Unbalanced Voltage Drop Report
Source: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
BLEVINS VALLEY		A	BLEVINS VA	7.56Y	126.0	0.00	0.00	217.01	0	1619	268	99	0.00	0.0	0.000	0.000	0	0	0	360	
		B		7.56Y	126.0	0.00	0.00	174.56	0	1310	162	99					0	0	0	278	
		C		7.56Y	126.0	0.00	0.00	159.43	0	1195	158	99					0	0	0	235	
PL.29101	BLEVINS VALLEY	A	336ACSR	7.56Y	126.0	0.00	0.00	47.52	7	359	6	100	0.00	0.0	0.003	0.003	0	0	0	75	
		B		7.56Y	126.0	-0.00	-0.00	17.19	2	105	-77	-81					0	0	0	19	
P		C		7.56Y	126.0	-0.00	-0.00	14.01	2	20	-104	-19					0	0	0	5	P
PL.46602	PL.29101	A	336ACSR	7.56Y	126.0	0.00	0.00	47.52	7	359	6	100	0.00	0.0	0.003	0.000	0	0	0	75	
		B		7.56Y	126.0	-0.00	-0.00	17.19	2	105	-77	-81					0	0	0	19	
P		C		7.56Y	126.0	-0.00	-0.00	14.01	2	20	-104	-19					0	0	0	5	P
PL.46603	PL.46602	A	336ACSR	7.56Y	126.0	0.00	0.00	47.52	7	359	6	100	0.00	0.0	0.006	0.003	0	0	0	75	
		B		7.56Y	126.0	-0.00	-0.00	17.19	2	105	-77	-81					0	0	0	19	
P		C		7.56Y	126.0	-0.00	-0.00	14.01	2	20	-104	-19					0	0	0	5	P
---------- Feeder No. 3 (BLEVAL3) Beginning with Device PD.2460 ----------																					
PD.2460	PL.46603	A	VWVE	7.56Y	126.0	0.00	0.00	47.52	0	359	6	100	0.00	0.0	0.006	0.000	0	0	0	75	
		B		7.56Y	126.0	0.00	-0.00	17.19	0	105	-77	-81					0	0	0	19	
		C		7.56Y	126.0	0.00	-0.00	14.01	0	20	-104	-19					0	0	0	5	
PL.25915	PD.2460	A	336ACSR	7.56Y	126.0	0.02	0.03	47.52	7	359	6	100	0.05	0.0	0.060	0.054	0	0	0	75	
		B		7.56Y	126.0	-0.02	-0.02	17.19	2	105	-77	-81					0	0	0	19	
P		C		7.56Y	126.0	-0.00	-0.00	14.01	2	20	-104	-19					0	0	0	5	P
PL.25916	PL.25915	A	336ACSR	7.56Y	126.0	0.02	0.05	47.52	7	359	6	100	0.04	0.0	0.100	0.040	0	0	0	75	
		B		7.56Y	126.0	-0.01	-0.03	17.19	2	105	-77	-81					0	0	0	19	
P		C		7.56Y	126.0	-0.00	-0.01	14.09	2	16	-105	-15					0	0	0	4	P
PL.25907	PL.25916	A	336ACSR	7.55Y	125.9	0.04	0.09	47.52	7	359	6	100	0.09	0.0	0.195	0.094	0	0	0	75	
		B		7.56Y	126.1	-0.03	-0.06	17.19	2	105	-77	-81					0	0	0	19	
P		C		7.56Y	126.0	-0.01	-0.02	14.09	2	16	-105	-15					0	0	0	4	P
PL.25908	PL.25907	A	336ACSR	7.55Y	125.9	0.03	0.12	47.52	7	359	6	100	0.06	0.0	0.259	0.064	0	0	0	75	
		B		7.57Y	126.1	-0.02	-0.09	16.73	2	99	-79	-78					0	0	0	17	
P		C		7.56Y	126.0	-0.01	-0.02	14.09	2	16	-105	-15					0	0	0	4	P
PL.25911	PL.25908	A	1/0CU	7.55Y	125.8	0.05	0.17	47.52	11	359	6	100	0.13	0.0	0.328	0.069	0	0	0	75	
		B		7.57Y	126.1	-0.02	-0.11	16.73	4	99	-79	-78					0	0	0	17	
P		C		7.56Y	126.0	-0.01	-0.03	14.09	3	16	-105	-15					0	0	0	4	P
PL.25912	PL.25911	A	1/0CU	7.54Y	125.7	0.10	0.27	47.52	11	359	6	100	0.25	0.1	0.460	0.132	0	0	0	75	
		B		7.57Y	126.2	-0.05	-0.16	16.00	4	89	-82	-74					0	0	0	16	
P		C		7.56Y	126.0	-0.01	-0.04	14.09	3	16	-105	-15					0	0	0	4	P
PL.11095	PL.25912	A	1/0CU	7.54Y	125.7	0.05	0.32	47.52	11	358	5	100	0.14	0.0	0.532	0.072	0	0	0	75	
		B		7.57Y	126.2	-0.03	-0.18	14.98	3	73	-87	-64					0	0	0	14	
P		C		7.56Y	126.1	-0.01	-0.05	14.09	3	16	-105	-15					0	0	0	4	P
PL.11097	PL.11095	B	4ACSR	7.57Y	126.2	0.00	-0.18	0.99	1	7	2	96	0.00	0.0	0.554	0.022	0	0	0	1	
PD.1444	PL.11097	B	fuse6AMP	7.57Y	126.2	0.00	-0.18	0.99	17	7	2	96	0.00	0.0	0.554	0.000	0	0	0	1	
PL.11098	PD.1444	B	4ACSR	7.57Y	126.2	0.00	-0.18	0.99	1	7	2	96	0.00	0.0	0.629	0.075	0	0	0	1	
445619	PL.11098	B	Consumer	7.57Y	126.2	0.00	-0.18	0.99	0	7	2	96	0.00	0.0	0.629	0.000	7	2	1	1	
PL.11096	PL.11095	A	1/0CU	7.54Y	125.6	0.04	0.36	47.52	11	358	5	100	0.12	0.0	0.592	0.061	0	0	0	75	
		B		7.57Y	126.2	-0.03	-0.21	14.63	3	66	-89	-59					0	0	0	13	
P		C		7.56Y	126.1	-0.01	-0.06	14.09	3	16	-105	-15					0	0	0	4	P
445620	PL.11096	A	Consumer	7.54Y	125.6	0.00	0.36	0.34	0	2	1	89	0.00	0.0	0.592	0.000	2	1	1	1	
PL.11099	PL.11096	A	4ACSR	7.54Y	125.6	0.00	0.37	0.96	0	7	2	96	0.00	0.0	0.605	0.013	0	0	0	1	
PD.1445	PL.11099	A	fuse6AMP	7.54Y	125.6	0.00	0.37	0.96	16	7	2	96	0.00	0.0	0.605	0.000	0	0	0	1	
PL.11100	PD.1445	A	4ACSR	7.54Y	125.6	0.00	0.37	0.96	0	7	2	96	0.00	0.0	0.676	0.071	0	0	0	1	
445628	PL.11100	A	Consumer	7.54Y	125.6	0.00	0.37	0.00	0	0	0	100	0.00	0.0	0.676	0.000	0	0	0	0	
445623	PL.11100	A	Consumer	7.54Y	125.6	0.00	0.37	0.96	0	7	2	96	0.00	0.0	0.676	0.000	7	2	1	1	
445616	PL.11100	A	Consumer	7.54Y	125.6	0.00	0.37	0.00	0	0	0	100	0.00	0.0	0.676	0.000	0	0	0	0	

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

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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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
	PL.20174	PL.11096	A	1/0CU	7.54Y	125.6	0.02	0.39	46.28	11	349	2	100	0.06	0.0	0.625	0.033	0	0	0	73	
			B		7.57Y	126.2	-0.01	-0.22	14.63	3	66	-89	-59					0	0	0	13	
P			C		7.56Y	126.1	-0.00	-0.06	14.09	3	16	-105	-15					0	0	0	4	P
	PL.20175	PL.20174	A	1/0CU	7.54Y	125.6	0.02	0.41	48.59	11	349	112	95	0.05	0.0	0.651	0.026	0	0	0	73	
			B		7.57Y	126.2	-0.01	-0.23	9.12	2	66	21	95					0	0	0	13	
			C		7.56Y	126.1	0.00	-0.06	2.22	1	16	5	95					0	0	0	4	
	PL.11101	PL.20175	C	4ACSR	7.56Y	126.1	0.00	-0.06	1.52	1	11	3	96	0.00	0.0	0.667	0.016	0	0	0	2	
	PD.1446	PL.11101	C	fuse6AMP	7.56Y	126.1	0.00	-0.06	1.52	26	11	3	96	0.00	0.0	0.667	0.000	0	0	0	2	
	PL.11102	PD.1446	C	4ACSR	7.56Y	126.0	0.01	-0.05	1.52	1	11	3	96	0.00	0.0	0.795	0.128	0	0	0	2	
	445621	PL.11102	C	Consumer	7.56Y	126.0	0.00	-0.05	0.88	0	6	2	95	0.00	0.0	0.795	0.000	6	2	1	1	
	445626	PL.11102	C	Consumer	7.56Y	126.0	0.00	-0.05	0.00	0	0	0	100	0.00	0.0	0.795	0.000	0	0	0	0	
	PL.24286	PL.11102	C	4ACSR	7.56Y	126.0	0.00	-0.05	0.64	0	5	1	98	0.00	0.0	0.795	0.000	0	0	0	1	
	PL.24020	PL.24286	C	4ACSR	7.56Y	126.0	0.00	-0.04	0.64	0	5	1	98	0.00	0.0	0.954	0.159	0	0	0	1	
	445629	PL.24020	C	Consumer	7.56Y	126.0	0.00	-0.04	0.64	0	5	1	98	0.00	0.0	0.954	0.000	5	1	1	1	
	PL.11103	PL.20175	A	1/0CU	7.53Y	125.5	0.09	0.50	48.59	11	349	112	95	0.18	0.0	0.752	0.102	0	0	0	73	
			B		7.58Y	126.3	-0.02	-0.25	9.12	2	66	21	95					0	0	0	13	
			C		7.56Y	126.1	0.01	-0.05	0.71	0	5	2	95					0	0	0	2	
	PL.11104	PL.11103	A	1/0CU	7.53Y	125.4	0.06	0.56	48.59	11	349	111	95	0.11	0.0	0.816	0.064	0	0	0	73	
			B		7.58Y	126.3	-0.02	-0.27	8.09	2	58	19	95					0	0	0	12	
			C		7.56Y	126.0	0.00	-0.05	0.71	0	5	2	95					0	0	0	2	
	PL.6917	PL.11104	A	1/0CU	7.52Y	125.4	0.04	0.60	48.59	11	348	111	95	0.07	0.0	0.857	0.041	0	0	0	73	
			B		7.58Y	126.3	-0.01	-0.28	8.09	2	58	19	95					0	0	0	12	
			C		7.56Y	126.0	0.00	-0.04	0.71	0	5	2	95					0	0	0	2	
	445618	PL.6917	B	Consumer	7.58Y	126.3	0.00	-0.28	1.16	0	8	3	94	0.00	0.0	0.857	0.000	8	3	1	1	
	PL.11105	PL.6917	A	1/0CU	7.52Y	125.4	0.05	0.65	48.59	11	348	111	95	0.10	0.0	0.916	0.059	0	0	0	73	
			B		7.58Y	126.3	-0.02	-0.29	6.93	2	50	16	95					0	0	0	11	
			C		7.56Y	126.0	0.00	-0.04	0.71	0	5	2	95					0	0	0	2	
	PL.11107	PL.11105	B	4ACSR	7.58Y	126.3	0.00	-0.29	0.78	0	6	2	95	0.00	0.0	0.931	0.015	0	0	0	1	
	PD.1447	PL.11107	B	fuse6AMP	7.58Y	126.3	0.00	-0.29	0.78	13	6	2	95	0.00	0.0	0.931	0.000	0	0	0	1	
	PL.11108	PD.1447	B	4ACSR	7.58Y	126.3	0.00	-0.29	0.78	0	6	2	95	0.00	0.0	1.017	0.087	0	0	0	1	
	445603	PL.11108	B	Consumer	7.58Y	126.3	0.00	-0.29	0.78	0	6	2	95	0.00	0.0	1.017	0.000	6	2	1	1	
	PL.11106	PL.11105	A	1/0CU	7.51Y	125.2	0.19	0.84	48.59	11	348	111	95	0.38	0.1	1.134	0.218	0	0	0	73	
			B		7.58Y	126.4	-0.06	-0.35	6.15	1	44	15	95					0	0	0	10	
			C		7.56Y	126.0	0.02	-0.02	0.71	0	5	2	95					0	0	0	2	
	PL.11109	PL.11106	A	4ACSR	7.51Y	125.1	0.02	0.86	29.91	15	214	68	95	0.03	0.0	1.146	0.013	0	0	0	44	
	PD.371-A	PL.11109	A	Closed	7.51Y	125.1	0.00	0.86	29.91	0	214	68	95	0.00	0.0	1.146	0.000	0	0	0	44	
	PD.371-B	PD.371-A	A	Closed	7.51Y	125.1	0.00	0.86	29.91	0	214	68	95	0.00	0.0	1.146	0.000	0	0	0	44	
	PL.11110	PD.371-B	A	4ACSR	7.51Y	125.1	0.03	0.89	29.91	15	214	68	95	0.04	0.0	1.167	0.021	0	0	0	44	
	PL.24018	PL.11110	A	4ACSR	7.51Y	125.1	0.00	0.89	0.00	0	0	0	100	0.00	0.0	1.212	0.045	0	0	0	0	
	PL.11111	PL.11110	A	4ACSR	7.51Y	125.1	0.01	0.90	29.91	15	214	68	95	0.01	0.0	1.173	0.005	0	0	0	44	
C	PD.2469	PL.11111	A	25L	7.51Y	125.1	0.00	0.90	29.91	120	214	68	95	0.00	0.0	1.173	0.000	0	0	0	44	C
	PL.11112	PD.2469	A	4ACSR	7.46Y	124.4	0.72	1.61	29.91	15	214	68	95	1.13	0.5	1.703	0.531	0	0	0	44	
	PL.11113	PL.11112	A	4ACSR	7.45Y	124.2	0.22	1.83	27.10	14	193	61	95	0.31	0.2	1.880	0.177	0	0	0	40	
C	PD.1449	PL.11113	A	fuse6AMP	7.45Y	124.2	0.00	1.83	27.10	463	192	61	95	0.00	0.0	1.880	0.000	0	0	0	40	C
	PL.11114	PD.1449	A	4ACSR	7.45Y	124.2	0.01	1.84	27.10	14	192	61	95	0.02	0.0	1.890	0.009	0	0	0	40	

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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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.11115	PL.11114	A	4ACSR	7.45Y	124.1	0.01	1.85	25.71	13	182	58	95	0.01	0.0	1.898	0.008	0	0	0	37
PD.373-A	PL.11115	A	Closed	7.45Y	124.1	0.00	1.85	25.71	0	182	58	95	0.00	0.0	1.898	0.000	0	0	0	37
PD.373-B	PD.373-A	A	Closed	7.45Y	124.1	0.00	1.85	25.71	0	182	58	95	0.00	0.0	1.898	0.000	0	0	0	37
PL.11116	PD.373-B	A	4ACSR	7.43Y	123.8	0.34	2.19	25.71	13	182	58	95	0.46	0.3	2.190	0.292	0	0	0	37
PL.24751	PL.11116	A	4ACSR	7.40Y	123.4	0.43	2.62	21.89	11	155	49	95	0.50	0.3	2.627	0.437	0	0	0	32
PL.24752	PL.24751	A	4ACSR	7.40Y	123.4	0.02	2.64	21.63	11	153	48	95	0.02	0.0	2.644	0.017	0	0	0	31
PL.11117	PL.24752	A	4ACSR	7.40Y	123.3	0.05	2.69	21.63	11	153	48	95	0.05	0.0	2.691	0.047	0	0	0	31
PD.374-A	PL.11117	A	Closed	7.40Y	123.3	0.00	2.69	21.63	0	153	48	95	0.00	0.0	2.691	0.000	0	0	0	31
PD.374-B	PD.374-A	A	Closed	7.40Y	123.3	0.00	2.69	21.63	0	153	48	95	0.00	0.0	2.691	0.000	0	0	0	31
PL.11118	PD.374-B	A	4ACSR	7.39Y	123.2	0.13	2.82	21.63	11	153	48	95	0.15	0.1	2.825	0.134	0	0	0	31
PL.11119	PL.11118	A	4ACSR	7.38Y	123.0	0.20	3.02	20.54	11	145	46	95	0.21	0.1	3.037	0.212	0	0	0	29
PL.11120	PL.11119	A	4ACSR	7.37Y	122.9	0.09	3.10	18.21	9	128	40	95	0.08	0.1	3.143	0.106	0	0	0	26
PL.6554	PL.11120	A	4ACSR	7.37Y	122.8	0.07	3.18	18.06	9	127	40	95	0.07	0.1	3.232	0.089	0	0	0	25
447707	PL.6554	A	Consumer	7.37Y	122.8	0.00	3.18	1.39	0	10	3	96	0.00	0.0	3.232	0.000	10	3	1	1
PL.11123	PL.6554	A	4ACSR	7.37Y	122.8	0.04	3.21	16.67	9	117	37	95	0.03	0.0	3.279	0.047	0	0	0	24
PD.376-A	PL.11123	A	Closed	7.37Y	122.8	0.00	3.21	16.67	0	117	37	95	0.00	0.0	3.279	0.000	0	0	0	24
PD.376-B	PD.376-A	A	Closed	7.37Y	122.8	0.00	3.21	16.67	0	117	37	95	0.00	0.0	3.279	0.000	0	0	0	24
PL.11124	PD.376-B	A	4ACSR	7.37Y	122.8	0.01	3.22	16.67	9	117	37	95	0.00	0.0	3.286	0.007	0	0	0	24
PL.12212	PL.11124	A	4ACSR	7.35Y	122.5	0.29	3.51	16.67	9	117	37	95	0.25	0.2	3.670	0.384	0	0	0	24
PD.377-A	PL.12212	A	Closed	7.35Y	122.5	0.00	3.51	16.67	0	117	37	95	0.00	0.0	3.670	0.000	0	0	0	24
PD.377-B	PD.377-A	A	Closed	7.35Y	122.5	0.00	3.51	16.67	0	117	37	95	0.00	0.0	3.670	0.000	0	0	0	24
PL.17706	PD.377-B	A	4ACSR	7.35Y	122.5	0.01	3.51	16.67	9	117	37	95	0.01	0.0	3.680	0.010	0	0	0	24
PL.12211	PL.17706	A	4ACSR	7.35Y	122.5	0.00	3.51	0.00	0	0	0	100	0.00	0.0	3.694	0.014	0	0	0	0
PD.378-A	PL.12211	A	Open	7.35Y	122.5	0.00	3.51	0.00	0	0	0	100	0.00	0.0	3.694	0.000	0	0	0	0
PL.17707	PL.17706	A	4ACSR	7.35Y	122.5	0.00	3.51	16.67	9	117	37	95	0.00	0.0	3.681	0.002	0	0	0	24
PL.20294	PL.17707	A	4ACSR	7.35Y	122.5	0.01	3.52	16.67	9	117	37	95	0.01	0.0	3.693	0.012	0	0	0	24
PD.2744-A	PL.20294	A	Closed	7.35Y	122.5	0.00	3.52	16.67	0	117	37	95	0.00	0.0	3.693	0.000	0	0	0	24
PD.2744-B	PD.2744-A	A	Closed	7.35Y	122.5	0.00	3.52	16.67	0	117	37	95	0.00	0.0	3.693	0.000	0	0	0	24
PL.20293	PD.2744-B	A	4ACSR	7.35Y	122.4	0.04	3.56	16.67	9	117	37	95	0.03	0.0	3.746	0.052	0	0	0	24
PL.22173	PL.20293	A	4ACSR	7.34Y	122.3	0.10	3.67	16.33	8	114	36	95	0.09	0.1	3.887	0.141	0	0	0	23
447706	PL.22173	A	Consumer	7.34Y	122.3	0.00	3.67	0.24	0	2	1	89	0.00	0.0	3.887	0.000	2	1	1	1
PL.11863	PL.22173	A	4ACSR	7.33Y	122.2	0.16	3.83	16.09	8	113	35	96	0.14	0.1	4.105	0.219	0	0	0	22
PL.24040	PL.11863	A	4ACSR	7.33Y	122.2	0.00	3.83	0.99	1	7	2	96	0.00	0.0	4.167	0.061	0	0	0	1
447709	PL.24040	A	Consumer	7.33Y	122.2	0.00	3.83	0.99	0	7	2	96	0.00	0.0	4.167	0.000	7	2	1	1
PL.12215	PL.11863	A	4ACSR	7.32Y	122.0	0.14	3.96	15.09	8	106	33	95	0.11	0.1	4.309	0.203	0	0	0	21
PD.375-A	PL.12215	A	Closed	7.32Y	122.0	0.00	3.96	15.09	0	105	33	95	0.00	0.0	4.309	0.000	0	0	0	21
PD.375-B	PD.375-A	A	Closed	7.32Y	122.0	0.00	3.96	15.09	0	105	33	95	0.00	0.0	4.309	0.000	0	0	0	21
PL.12214	PD.375-B	A	4ACSR	7.32Y	122.0	0.01	3.97	15.09	8	105	33	95	0.01	0.0	4.322	0.013	0	0	0	21

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: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.24039	PL.12214	A	4ACSR	7.32Y	122.0	0.00	3.98	0.60	0	4	1	97	0.00	0.0	4.380	0.059	0	0	0	1
447708	PL.24039	A	Consumer	7.32Y	122.0	0.00	3.98	0.60	0	4	1	97	0.00	0.0	4.380	0.000	4	1	1	1
PL.12213	PL.12214	A	4ACSR	7.32Y	122.0	0.08	4.05	14.49	7	101	32	95	0.06	0.1	4.436	0.115	0	0	0	20
PL.8600	PL.12213	A	4ACSR	7.30Y	121.7	0.28	4.33	14.49	7	101	32	95	0.21	0.2	4.863	0.427	0	0	0	20
PL.8599	PL.8600	A	4ACSR	7.30Y	121.6	0.07	4.39	14.49	7	101	32	95	0.05	0.0	4.964	0.100	0	0	0	20
447814	PL.8599	A	Consumer	7.30Y	121.6	0.00	4.39	0.90	0	6	2	95	0.00	0.0	4.964	0.000	6	2	1	1
447811	PL.8599	A	Consumer	7.30Y	121.6	0.00	4.39	0.00	0	0	0	100	0.00	0.0	4.964	0.000	0	0	1	1
PL.11853	PL.8599	A	4ACSR	7.29Y	121.5	0.07	4.47	13.59	7	95	30	95	0.05	0.1	5.085	0.121	0	0	0	18
PL.11854	PL.11853	A	4ACSR	7.29Y	121.5	0.04	4.51	13.47	7	94	29	96	0.03	0.0	5.150	0.065	0	0	0	17
PL.11856	PL.11854	A	4ACSR	7.28Y	121.4	0.12	4.62	11.03	6	77	24	95	0.07	0.1	5.383	0.233	0	0	0	13
PL.24046	PL.11856	A	4ACSR	7.28Y	121.4	0.01	4.64	1.68	1	12	4	95	0.00	0.0	5.536	0.153	0	0	0	2
448804	PL.24046	A	Consumer	7.28Y	121.4	0.00	4.64	0.85	0	6	2	95	0.00	0.0	5.536	0.000	6	2	1	1
448803	PL.24046	A	Consumer	7.28Y	121.4	0.00	4.64	0.83	0	6	2	95	0.00	0.0	5.536	0.000	6	2	1	1
PL.11855	PL.11856	A	4ACSR	7.28Y	121.4	0.02	4.65	9.36	5	65	20	96	0.01	0.0	5.438	0.056	0	0	0	11
PL.6555	PL.11855	A	4ACSR	7.28Y	121.3	0.07	4.72	7.18	4	50	16	95	0.03	0.1	5.654	0.216	0	0	0	9
448805	PL.6555	A	Consumer	7.28Y	121.3	0.00	4.72	1.45	0	10	3	96	0.00	0.0	5.654	0.000	10	3	1	1
PL.11858	PL.6555	A	4ACSR	7.28Y	121.3	0.01	4.73	5.73	3	40	12	96	0.00	0.0	5.692	0.038	0	0	0	8
PL.11857	PL.11858	A	4ACSR	7.28Y	121.3	0.01	4.74	5.38	3	37	12	95	0.00	0.0	5.726	0.034	0	0	0	7
PL.6556	PL.11857	A	4ACSR	7.27Y	121.2	0.02	4.76	5.38	3	37	12	95	0.01	0.0	5.820	0.094	0	0	0	7
447911	PL.6556	A	Consumer	7.27Y	121.2	0.00	4.76	1.17	0	8	3	94	0.00	0.0	5.820	0.000	8	3	1	1
PL.11860	PL.6556	A	4ACSR	7.27Y	121.2	0.01	4.77	4.22	2	29	9	96	0.00	0.0	5.878	0.058	0	0	0	6
PL.2721	PL.11860	A	4ACSR	7.27Y	121.2	0.01	4.78	0.64	0	4	1	97	0.00	0.0	6.226	0.348	0	0	0	1
447906	PL.2721	A	Consumer	7.27Y	121.2	0.00	4.78	0.64	0	4	1	97	0.00	0.0	6.226	0.000	4	1	1	1
447902	PL.11860	A	Consumer	7.27Y	121.2	0.00	4.77	0.51	0	4	1	97	0.00	0.0	5.878	0.000	4	1	1	1
PL.11859	PL.11860	A	4ACSR	7.27Y	121.2	0.01	4.78	3.07	2	21	7	95	0.00	0.0	5.955	0.077	0	0	0	4
PL.6557	PL.11859	A	4ACSR	7.27Y	121.2	0.01	4.79	3.07	2	21	7	95	0.00	0.0	6.000	0.045	0	0	0	4
PL.6558	PL.6557	A	4ACSR	7.27Y	121.2	0.02	4.81	3.06	2	21	7	95	0.00	0.0	6.142	0.142	0	0	0	3
447909	PL.6558	A	Consumer	7.27Y	121.2	0.00	4.81	0.72	0	5	2	93	0.00	0.0	6.142	0.000	5	2	1	1
447915	PL.6558	A	Consumer	7.27Y	121.2	0.00	4.81	1.40	0	10	3	96	0.00	0.0	6.142	0.000	10	3	1	1
PL.11861	PL.6558	A	4ACSR	7.27Y	121.2	0.01	4.81	0.95	0	7	2	96	0.00	0.0	6.336	0.194	0	0	0	1
PL.11862	PL.11861	A	4ACSR	7.27Y	121.2	0.00	4.82	0.95	0	7	2	96	0.00	0.0	6.424	0.088	0	0	0	1
PL.41070	PL.11862	A	4ACSR	7.27Y	121.2	0.00	4.82	0.00	0	0	0	100	0.00	0.0	6.501	0.077	0	0	0	0
PD.379-B	PL.41070	A	Open	7.27Y	121.2	0.00	4.82	0.00	0	0	0	100	0.00	0.0	6.501	0.000	0	0	0	0
PL.2722	PL.11862	A	4ACSR	7.27Y	121.2	0.00	4.82	0.95	0	7	2	96	0.00	0.0	6.481	0.057	0	0	0	1
447912	PL.2722	A	Consumer	7.27Y	121.2	0.00	4.82	0.95	0	7	2	96	0.00	0.0	6.481	0.000	7	2	1	1
447905	PL.6557	A	Consumer	7.27Y	121.2	0.00	4.79	0.00	0	0	0	100	0.00	0.0	6.000	0.000	0	0	1	1
PL.2720	PL.11858	A	4ACSR	7.28Y	121.3	0.00	4.73	0.34	0	2	1	89	0.00	0.0	5.846	0.154	0	0	0	1
448802	PL.2720	A	Consumer	7.28Y	121.3	0.00	4.73	0.34	0	2	1	89	0.00	0.0	5.846	0.000	2	1	1	1

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Unbalanced Voltage Drop Report
Source: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
447808	PL.11855	A	Consumer	7.28Y	121.4	0.00	4.65	1.24	0	9	3	95	0.00	0.0	5.438	0.000	9	3	1	1
PL.24045	PL.11855	A	4ACSR	7.28Y	121.3	0.01	4.65	0.94	0	7	2	96	0.00	0.0	5.572	0.134	0	0	0	1
447816	PL.24045	A	Consumer	7.28Y	121.3	0.00	4.65	0.94	0	7	2	96	0.00	0.0	5.572	0.000	7	2	1	1
447807	PL.11854	A	Consumer	7.29Y	121.5	0.00	4.51	1.32	0	9	3	95	0.00	0.0	5.150	0.000	9	3	1	1
447815	PL.11854	A	Consumer	7.29Y	121.5	0.00	4.51	0.17	0	1	0	100	0.00	0.0	5.150	0.000	1	0	1	1
PL.24044	PL.11854	A	4ACSR	7.29Y	121.5	0.00	4.51	0.95	0	7	2	96	0.00	0.0	5.218	0.068	0	0	0	2
447809	PL.24044	A	Consumer	7.29Y	121.5	0.00	4.51	0.90	0	6	2	95	0.00	0.0	5.218	0.000	6	2	1	1
447812	PL.24044	A	Consumer	7.29Y	121.5	0.00	4.51	0.04	0	0	0	100	0.00	0.0	5.218	0.000	0	0	1	1
PL.24043	PL.11853	A	4ACSR	7.29Y	121.5	0.00	4.47	0.12	0	1	0	100	0.00	0.0	5.161	0.076	0	0	0	1
447806	PL.24043	A	Consumer	7.29Y	121.5	0.00	4.47	0.12	0	1	0	100	0.00	0.0	5.161	0.000	1	0	1	1
447813	PL.24043	A	Consumer	7.29Y	121.5	0.00	4.47	0.00	0	0	0	100	0.00	0.0	5.161	0.000	0	0	0	0
447704	PL.20293	A	Consumer	7.35Y	122.4	0.00	3.56	0.34	0	2	1	89	0.00	0.0	3.746	0.000	2	1	1	1
447603	PL.11120	A	Consumer	7.37Y	122.9	0.00	3.10	0.14	0	1	0	100	0.00	0.0	3.143	0.000	1	0	1	1
PL.11121	PL.11119	A	4ACSR	7.38Y	123.0	0.00	3.02	2.33	1	16	5	95	0.00	0.0	3.045	0.008	0	0	0	3
PD.1455	PL.11121	A	fuse6AMP	7.38Y	123.0	0.00	3.02	2.33	40	16	5	95	0.00	0.0	3.045	0.000	0	0	0	3
PL.11122	PD.1455	A	4ACSR	7.38Y	123.0	0.01	3.02	2.33	1	16	5	95	0.00	0.0	3.127	0.082	0	0	0	3
PL.24037	PL.11122	A	4ACSR	7.38Y	123.0	0.01	3.04	2.33	1	16	5	95	0.00	0.0	3.246	0.119	0	0	0	3
PL.24036	PL.24037	A	4ACSR	7.38Y	122.9	0.02	3.06	2.33	1	16	5	95	0.00	0.0	3.421	0.175	0	0	0	3
PL.24038	PL.24036	A	4ACSR	7.38Y	122.9	0.01	3.06	2.30	1	16	5	95	0.00	0.0	3.477	0.057	0	0	0	2
PL.24041	PL.24038	A	4ACSR	7.38Y	122.9	0.01	3.07	1.03	1	7	2	96	0.00	0.0	3.647	0.170	0	0	0	1
447611	PL.24041	A	Consumer	7.38Y	122.9	0.00	3.07	1.03	0	7	2	96	0.00	0.0	3.647	0.000	7	2	1	1
447610	PL.24038	A	Consumer	7.38Y	122.9	0.00	3.06	1.28	0	9	3	95	0.00	0.0	3.477	0.000	9	3	1	1
447608	PL.24036	A	Consumer	7.38Y	122.9	0.00	3.06	0.03	0	0	0	100	0.00	0.0	3.421	0.000	0	0	1	1
PL.22463	PL.11118	A	4ACSR	7.39Y	123.2	0.00	2.82	0.57	0	4	1	97	0.00	0.0	2.836	0.011	0	0	0	1
PD.1454	PL.22463	A	fuse6AMP	7.39Y	123.2	0.00	2.82	0.57	10	4	1	97	0.00	0.0	2.836	0.000	0	0	0	1
PL.22464	PD.1454	A	4ACSR	7.39Y	123.2	0.00	2.82	0.57	0	4	1	97	0.00	0.0	2.881	0.045	0	0	0	1
447606	PL.22464	A	Consumer	7.39Y	123.2	0.00	2.82	0.57	0	4	1	97	0.00	0.0	2.881	0.000	4	1	1	1
447609	PL.11118	A	Consumer	7.39Y	123.2	0.00	2.82	0.52	0	4	1	97	0.00	0.0	2.825	0.000	4	1	1	1
446608	PL.24751	A	Consumer	7.40Y	123.4	0.00	2.62	0.27	0	2	1	89	0.00	0.0	2.627	0.000	2	1	1	1
PL.22052	PL.11116	A	4ACSR	7.43Y	123.8	0.00	2.20	3.82	2	27	8	96	0.00	0.0	2.217	0.028	0	0	0	5
PD.1450	PL.22052	A	fuse6AMP	7.43Y	123.8	0.00	2.20	3.82	65	27	8	96	0.00	0.0	2.217	0.000	0	0	0	5
PL.22053	PD.1450	A	4ACSR	7.43Y	123.8	0.03	2.22	3.82	2	27	8	96	0.01	0.0	2.373	0.155	0	0	0	5
PL.23318	PL.22053	A	4ACSR	7.43Y	123.8	0.01	2.23	2.06	1	15	5	95	0.00	0.0	2.437	0.064	0	0	0	2
PL.45816	PL.23318	A	4ACSR	7.43Y	123.8	0.00	2.23	2.04	1	14	5	94	0.00	0.0	2.457	0.021	0	0	0	1
4466024	PL.45816	A	Consumer	7.43Y	123.8	0.00	2.23	0.00	0	0	0	100	0.00	0.0	2.457	0.000	0	0	0	0
PL.45817	PL.45816	A	4ACSR	7.43Y	123.8	0.00	2.23	2.04	1	14	5	94	0.00	0.0	2.484	0.026	0	0	0	1
446611	PL.45817	A	Consumer	7.43Y	123.8	0.00	2.23	2.04	0	14	5	94	0.00	0.0	2.484	0.000	14	5	1	1
446616	PL.23318	A	Consumer	7.43Y	123.8	0.00	2.23	0.01	0	0	0	100	0.00	0.0	2.437	0.000	0	0	1	1

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Unbalanced Voltage Drop Report
Source: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.22822	PL.22053	A	4ACSR	7.43Y	123.8	0.00	2.23	1.11	1	8	2	97	0.00	0.0	2.449	0.076	0	0	0	1
446614	PL.22822	A	Consumer	7.43Y	123.8	0.00	2.23	1.11	0	8	2	97	0.00	0.0	2.449	0.000	8	2	1	1
446603	PL.22053	A	Consumer	7.43Y	123.8	0.00	2.22	0.27	0	2	1	89	0.00	0.0	2.373	0.000	2	1	1	1
446606	PL.22053	A	Consumer	7.43Y	123.8	0.00	2.22	0.38	0	3	1	95	0.00	0.0	2.373	0.000	3	1	1	1
446615	PL.11114	A	Consumer	7.45Y	124.2	0.00	1.84	0.01	0	0	0	100	0.00	0.0	1.890	0.000	0	0	1	1
446602	PL.11114	A	Consumer	7.45Y	124.2	0.00	1.84	0.79	0	6	2	95	0.00	0.0	1.890	0.000	6	2	1	1
PL.23391	PL.11114	A	4ACSR	7.45Y	124.1	0.01	1.85	0.59	0	4	1	97	0.00	0.0	2.228	0.338	0	0	0	1
446610	PL.23391	A	Consumer	7.45Y	124.1	0.00	1.85	0.59	0	4	1	97	0.00	0.0	2.228	0.000	4	1	1	1
PL.22461	PL.11112	A	4ACSR	7.46Y	124.4	0.00	1.62	2.81	1	20	6	96	0.00	0.0	1.732	0.028	0	0	0	4
PD.1448	PL.22461	A	fuse6AMP	7.46Y	124.4	0.00	1.62	2.81	48	20	6	96	0.00	0.0	1.732	0.000	0	0	0	4
PL.22462	PD.1448	A	4ACSR	7.46Y	124.4	0.02	1.63	2.81	1	20	6	96	0.00	0.0	1.862	0.130	0	0	0	4
PL.23390	PL.22462	A	4ACSR	7.46Y	124.4	0.00	1.64	0.50	0	4	1	97	0.00	0.0	1.938	0.077	0	0	0	2
446605	PL.23390	A	Consumer	7.46Y	124.4	0.00	1.64	0.49	0	3	1	95	0.00	0.0	1.938	0.000	3	1	1	1
446607	PL.23390	A	Consumer	7.46Y	124.4	0.00	1.64	0.02	0	0	0	100	0.00	0.0	1.938	0.000	0	0	1	1
PL.23389	PL.22462	A	4ACSR	7.46Y	124.4	0.00	1.64	2.31	1	16	5	95	0.00	0.0	1.902	0.040	0	0	0	2
446612	PL.23389	A	Consumer	7.46Y	124.4	0.00	1.64	0.00	0	0	0	100	0.00	0.0	1.902	0.000	0	0	0	0
446609	PL.23389	A	Consumer	7.46Y	124.4	0.00	1.64	1.50	0	11	3	96	0.00	0.0	1.902	0.000	11	3	1	1
PL.33930	PL.23389	A	2ACSR	7.46Y	124.4	0.00	1.64	0.81	0	6	2	95	0.00	0.0	2.059	0.157	0	0	0	1
4456037	PL.33930	A	Consumer	7.46Y	124.4	0.00	1.64	0.81	0	6	2	95	0.00	0.0	2.059	0.000	6	2	1	1
PL.108	PL.11106	A	1/0CU	7.51Y	125.1	0.02	0.87	18.69	4	134	42	95	0.02	0.0	1.199	0.066	0	0	0	29
		B		7.58Y	126.4	-0.00	-0.36	6.15	1	44	15	95					0	0	0	10
		C		7.56Y	126.0	0.00	-0.02	0.71	0	5	2	95					0	0	0	2
PL.109	PL.108	A	1/0CU	7.51Y	125.1	0.00	0.87	0.00	0	0	0	100	0.00	0.0	1.208	0.008	0	0	0	0
		B		7.58Y	126.4	0.00	-0.35	6.15	1	44	15	95					0	0	0	10
		C		7.56Y	126.0	-0.00	-0.02	0.71	0	5	2	95					0	0	0	2
PL.24013	PL.109	A	1/0CU	7.51Y	125.1	0.00	0.87	0.00	0	0	0	100	0.00	0.0	1.208	0.000	0	0	0	0
		B		7.58Y	126.4	0.00	-0.35	6.15	1	44	15	95					0	0	0	10
		C		7.56Y	126.0	0.00	-0.02	0.71	0	5	2	95					0	0	0	2
PL.14815	PL.24013	A	1/0CU	7.51Y	125.1	0.00	0.87	0.00	0	0	0	100	0.00	0.0	1.316	0.108	0	0	0	0
		B		7.58Y	126.3	0.01	-0.34	6.15	1	44	15	95					0	0	0	10
		C		7.56Y	126.0	-0.00	-0.02	0.71	0	5	2	95					0	0	0	2
PD.386-A	PL.14815	A	Closed	7.51Y	125.1	0.00	0.87	0.00	0	0	0	100	0.00	0.0	1.316	0.000	0	0	0	0
		B		7.58Y	126.3	0.00	-0.34	6.15	0	44	15	95					0	0	0	10
		C		7.56Y	126.0	0.00	-0.02	0.71	0	5	2	95					0	0	0	2
PD.386-B	PD.386-A	A	Closed	7.51Y	125.1	0.00	0.87	0.00	0	0	0	100	0.00	0.0	1.316	0.000	0	0	0	0
		B		7.58Y	126.3	0.00	-0.34	6.15	0	44	15	95					0	0	0	10
		C		7.56Y	126.0	0.00	-0.02	0.71	0	5	2	95					0	0	0	2
PL.14814	PD.386-B	A	1/0CU	7.51Y	125.1	0.00	0.87	0.00	0	0	0	100	0.00	0.0	1.326	0.010	0	0	0	0
		B		7.58Y	126.3	0.00	-0.34	6.15	1	44	15	95					0	0	0	10
		C		7.56Y	126.0	-0.00	-0.02	0.71	0	5	2	95					0	0	0	2
PL.20661	PL.14814	A	1/0CU	7.51Y	125.1	0.00	0.87	0.00	0	0	0	100	0.00	0.0	1.329	0.003	0	0	0	0
		B		7.58Y	126.3	0.00	-0.34	6.15	1	44	15	95					0	0	0	10
		C		7.56Y	126.0	-0.00	-0.02	0.71	0	5	2	95					0	0	0	2
PL.20660	PL.20661	A	1/0CU	7.51Y	125.1	0.00	0.87	0.00	0	0	0	100	0.01	0.0	1.565	0.236	0	0	0	0
		B		7.58Y	126.3	0.03	-0.31	6.15	1	44	15	95					0	0	0	10
		C		7.56Y	126.0	-0.01	-0.03	0.71	0	5	2	95					0	0	0	1

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

Unbalanced Voltage Drop Report
Source: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.115	PL.20660	A	1/0CU	7.51Y	125.1	0.00	0.87	0.00	0	0	0	100	0.00	0.0	1.684	0.119	0	0	0	0
		B		7.58Y	126.3	0.00	-0.31	0.00	0	0	0	100					0	0	0	1
		C		7.56Y	126.0	0.00	-0.03	0.00	0	0	0	100					0	0	0	0
PL.14816	PL.115	A	1/0CU	7.51Y	125.1	0.00	0.87	0.00	0	0	0	100	0.00	0.0	1.689	0.005	0	0	0	0
		B		7.58Y	126.3	0.00	-0.31	0.00	0	0	0	100					0	0	0	0
		C		7.56Y	126.0	0.00	-0.03	0.00	0	0	0	100					0	0	0	0
PL.29061	PL.14816	A	1/0CU	7.51Y	125.1	0.00	0.87	0.00	0	0	0	100	0.00	0.0	1.695	0.006	0	0	0	0
		B		7.58Y	126.3	0.00	-0.31	0.00	0	0	0	100					0	0	0	0
		C		7.56Y	126.0	0.00	-0.03	0.00	0	0	0	100					0	0	0	0
PD.387-A	PL.29061	A	Open	7.51Y	125.1	0.00	0.87	0.00	0	0	0	100	0.00	0.0	1.695	0.000	0	0	0	0
		B		7.58Y	126.3	0.00	-0.31	0.00	0	0	0	100					0	0	0	0
		C		7.56Y	126.0	0.00	-0.03	0.00	0	0	0	100					0	0	0	0
PL.11849	PL.115	B	4ACSR	7.58Y	126.3	0.00	-0.31	0.00	0	0	0	100	0.00	0.0	1.695	0.011	0	0	0	1
PD.1461	PL.11849	B	fuse6AMP	7.58Y	126.3	0.00	-0.31	0.00	0	0	0	100	0.00	0.0	1.695	0.000	0	0	0	1
PL.11850	PD.1461	B	4ACSR	7.58Y	126.3	0.00	-0.31	0.00	0	0	0	100	0.00	0.0	1.814	0.120	0	0	0	1
445547	PL.11850	B	Consumer	7.58Y	126.3	0.00	-0.31	0.00	0	0	0	100	0.00	0.0	1.814	0.000	0	0	1	1
PL.2756	PL.20660	B	4ACSR	7.58Y	126.3	0.02	-0.30	6.15	3	44	15	95	0.01	0.0	1.627	0.062	0	0	0	9
C PD.1462	PL.2756	B	fuse6AMP	7.58Y	126.3	0.00	-0.30	6.15	105	44	15	95	0.00	0.0	1.627	0.000	0	0	0	9 C
PL.24910	PD.1462	B	4ACSR	7.58Y	126.3	0.03	-0.27	6.15	3	44	15	95	0.01	0.0	1.721	0.094	0	0	0	9
445542	PL.24910	B	Consumer	7.58Y	126.3	0.00	-0.27	0.38	0	3	1	95	0.00	0.0	1.721	0.000	3	1	1	1
445534	445542	B	Consumer	7.58Y	126.3	0.00	-0.27	0.00	0	0	0	100	0.00	0.0	1.721	0.000	0	0	0	0
PL.24911	PL.24910	B	4ACSR	7.58Y	126.3	0.02	-0.25	3.34	2	24	8	95	0.00	0.0	1.837	0.116	0	0	0	6
PL.24912	PL.24911	B	4ACSR	7.57Y	126.2	0.00	-0.25	0.94	0	7	3	92	0.00	0.0	1.923	0.086	0	0	0	3
445538	PL.24912	B	Consumer	7.57Y	126.2	0.00	-0.25	0.23	0	2	1	89	0.00	0.0	1.923	0.000	2	1	1	1
445530	PL.24912	B	Consumer	7.57Y	126.2	0.00	-0.25	0.67	0	5	2	93	0.00	0.0	1.923	0.000	5	2	1	1
445544	PL.24912	B	Consumer	7.57Y	126.2	0.00	-0.25	0.00	0	0	0	100	0.00	0.0	1.923	0.000	0	0	0	0
445533	PL.24912	B	Consumer	7.57Y	126.2	0.00	-0.25	0.05	0	0	0	100	0.00	0.0	1.923	0.000	0	0	1	1
PL.35049	PL.24911	B	2ACSR	7.58Y	126.3	0.00	-0.25	1.00	0	7	2	96	0.00	0.0	1.884	0.046	0	0	0	1
4455056	PL.35049	B	Consumer	7.58Y	126.3	0.00	-0.25	1.00	0	7	2	96	0.00	0.0	1.884	0.000	7	2	1	1
445548	PL.24911	B	Consumer	7.58Y	126.3	0.00	-0.25	1.10	0	8	2	97	0.00	0.0	1.837	0.000	8	2	1	1
445539	PL.24911	B	Consumer	7.58Y	126.3	0.00	-0.25	0.29	0	2	1	89	0.00	0.0	1.837	0.000	2	1	1	1
PL.43723	PL.24910	B	2ACSR	7.58Y	126.3	0.00	-0.27	2.43	1	18	5	96	0.00	0.0	1.769	0.048	0	0	0	2
4455063	PL.43723	B	Consumer	7.58Y	126.3	0.00	-0.27	0.00	0	0	0	100	0.00	0.0	1.769	0.000	0	0	0	0
PL.43724	PL.43723	B	2ACSR	7.58Y	126.3	0.00	-0.26	2.43	1	18	5	96	0.00	0.0	1.805	0.036	0	0	0	2
PL.36768	PL.43724	B	2ACSR	7.58Y	126.3	0.00	-0.26	1.11	0	8	3	94	0.00	0.0	1.829	0.024	0	0	0	1
PL.45799	PL.36768	B	2ACSR	7.58Y	126.3	0.00	-0.26	0.00	0	0	0	100	0.00	0.0	1.859	0.030	0	0	0	0
PL.45800	PL.45799	B	2ACSR	7.58Y	126.3	0.00	-0.26	0.00	0	0	0	100	0.00	0.0	1.970	0.111	0	0	0	0
4455065	PL.45799	B	Consumer	7.58Y	126.3	0.00	-0.26	0.00	0	0	0	100	0.00	0.0	1.859	0.000	0	0	0	0
4455060	PL.36768	B	Consumer	7.58Y	126.3	0.00	-0.26	1.11	0	8	3	94	0.00	0.0	1.829	0.000	8	3	1	1
PL.36481	PL.43724	B	2ACSR	7.58Y	126.3	0.00	-0.26	1.32	1	10	3	96	0.00	0.0	1.832	0.027	0	0	0	1
4455057	PL.36481	B	Consumer	7.58Y	126.3	0.00	-0.26	1.32	0	10	3	96	0.00	0.0	1.832	0.000	10	3	1	1
PL.2757	PL.20660	C	4ACSR	7.56Y	126.0	0.01	-0.02	0.71	0	5	2	93	0.00	0.0	1.834	0.269	0	0	0	1

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

Unbalanced Voltage Drop Report
Source: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
445537	PL.2757	C	Consumer	7.56Y	126.0	0.00	-0.02	0.71	0	5	2	93	0.00	0.0	1.834	0.000	5	2	1	1
4455064	PL.20660	C	Consumer	7.56Y	126.0	0.00	-0.03	0.00	0	0	0	100	0.00	0.0	1.565	0.000	0	0	0	0
445511	PL.20661	C	Consumer	7.56Y	126.0	0.00	-0.02	0.00	0	0	0	100	0.00	0.0	1.329	0.000	0	0	1	1
PL.11125	PL.108	A	4ACSR	7.51Y	125.1	0.02	0.88	18.69	10	134	42	95	0.02	0.0	1.217	0.018	0	0	0	29
PD.372-A	PL.11125	A	Closed	7.51Y	125.1	0.00	0.88	18.69	0	134	42	95	0.00	0.0	1.217	0.000	0	0	0	29
PD.372-B	PD.372-A	A	Closed	7.51Y	125.1	0.00	0.88	18.69	0	134	42	95	0.00	0.0	1.217	0.000	0	0	0	29
PL.11126	PD.372-B	A	4ACSR	7.50Y	125.1	0.04	0.92	18.69	10	134	42	95	0.04	0.0	1.268	0.051	0	0	0	29
PL.11127	PL.11126	A	4ACSR	7.50Y	125.1	0.02	0.94	18.69	10	134	42	95	0.02	0.0	1.292	0.024	0	0	0	29
PL.11132	PL.11127	A	4ACSR	7.50Y	125.0	0.05	0.99	18.36	9	131	41	95	0.05	0.0	1.353	0.060	0	0	0	27
PD.2657	PL.11132	A	35E	7.50Y	125.0	0.00	0.99	18.36	52	131	41	95	0.00	0.0	1.353	0.000	0	0	0	27
PL.11133	PD.2657	A	4ACSR	7.50Y	125.0	0.03	1.02	18.36	9	131	41	95	0.03	0.0	1.388	0.035	0	0	0	27
PL.11128	PL.11133	A	4ACSR	7.49Y	124.8	0.20	1.22	10.94	6	78	25	95	0.12	0.1	1.795	0.407	0	0	0	18
PL.11141	PL.11128	A	4ACSR	7.49Y	124.8	0.00	1.23	4.45	2	32	10	95	0.00	0.0	1.802	0.008	0	0	0	7
PD.1464	PL.11141	A	fuse6AMP	7.49Y	124.8	0.00	1.23	4.45	76	32	10	95	0.00	0.0	1.802	0.000	0	0	0	7
PL.11142	PD.1464	A	4ACSR	7.49Y	124.8	0.02	1.25	4.45	2	32	10	95	0.01	0.0	1.920	0.117	0	0	0	7
PL.11136	PL.11142	A	4ACSR	7.48Y	124.7	0.01	1.26	2.45	1	18	5	96	0.00	0.0	1.996	0.077	0	0	0	6
PL.11137	PL.11136	A	4ACSR	7.48Y	124.7	0.00	1.26	2.45	1	18	5	96	0.00	0.0	2.025	0.028	0	0	0	6
PL.22888	PL.11137	A	4ACSR	7.48Y	124.7	0.00	1.26	0.30	0	2	1	89	0.00	0.0	2.124	0.099	0	0	0	2
445531	PL.22888	A	Consumer	7.48Y	124.7	0.00	1.26	0.13	0	1	0	100	0.00	0.0	2.124	0.000	1	0	1	1
445526	PL.22888	A	Consumer	7.48Y	124.7	0.00	1.26	0.17	0	1	0	100	0.00	0.0	2.124	0.000	1	0	1	1
PL.11138	PL.11137	A	4ACSR	7.48Y	124.7	0.01	1.27	2.15	1	15	5	95	0.00	0.0	2.116	0.092	0	0	0	4
445543	PL.11138	A	Consumer	7.48Y	124.7	0.00	1.27	1.54	0	11	3	96	0.00	0.0	2.116	0.000	11	3	1	1
445515	PL.11138	A	Consumer	7.48Y	124.7	0.00	1.27	0.00	0	0	0	100	0.00	0.0	2.116	0.000	0	0	0	0
445522	PL.11138	A	Consumer	7.48Y	124.7	0.00	1.27	0.34	0	2	1	89	0.00	0.0	2.116	0.000	2	1	1	1
445524	PL.11138	A	Consumer	7.48Y	124.7	0.00	1.27	0.09	0	1	0	100	0.00	0.0	2.116	0.000	1	0	1	1
445521	PL.11138	A	Consumer	7.48Y	124.7	0.00	1.27	0.18	0	1	0	100	0.00	0.0	2.116	0.000	1	0	1	1
PL.22896	PL.11142	A	4ACSR	7.48Y	124.7	0.01	1.26	2.00	1	14	4	96	0.00	0.0	1.980	0.060	0	0	0	1
445549	PL.22896	A	Consumer	7.48Y	124.7	0.00	1.26	2.00	0	14	4	96	0.00	0.0	1.980	0.000	14	4	1	1
PL.11139	PL.11128	A	4ACSR	7.49Y	124.8	0.01	1.23	5.47	3	39	12	96	0.00	0.0	1.820	0.025	0	0	0	10
PL.22467	PL.11139	A	4ACSR	7.49Y	124.8	0.00	1.23	0.00	0	0	0	100	0.00	0.0	1.828	0.008	0	0	0	0
PD.1466	PL.22467	A	fuse6AMP	7.49Y	124.8	0.00	1.23	0.00	0	0	0	100	0.00	0.0	1.828	0.000	0	0	0	0
PL.22468	PD.1466	A	4ACSR	7.49Y	124.8	0.00	1.23	0.00	0	0	0	100	0.00	0.0	1.922	0.093	0	0	0	0
445507	PL.22468	A	Consumer	7.49Y	124.8	0.00	1.23	0.00	0	0	0	100	0.00	0.0	1.922	0.000	0	0	0	0
PL.11140	PL.11139	A	4ACSR	7.48Y	124.7	0.03	1.26	5.47	3	39	12	96	0.01	0.0	1.924	0.104	0	0	0	10
PL.6445	PL.11140	A	4ACSR	7.48Y	124.7	0.01	1.26	4.48	2	32	10	95	0.00	0.0	1.960	0.036	0	0	0	7
PL.6914	PL.6445	A	4ACSR	7.48Y	124.7	0.01	1.27	4.48	2	32	10	95	0.00	0.0	1.999	0.039	0	0	0	7
444532	PL.6914	A	Consumer	7.48Y	124.7	0.00	1.27	0.83	0	6	2	95	0.00	0.0	1.999	0.000	6	2	1	1
PL.41196	PL.6914	A	4ACSR	7.48Y	124.7	0.02	1.29	3.65	2	26	8	96	0.00	0.0	2.105	0.106	0	0	0	6

Unbalanced Voltage Drop Report
Source: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.41197	PL.41196	A	4ACSR	7.48Y	124.7	0.02	1.31	3.65	2	26	8	96	0.00	0.0	2.221	0.116	0	0	0	6
PL.10853	PL.41197	A	4ACSR	7.48Y	124.7	0.01	1.31	3.65	2	26	8	96	0.00	0.0	2.257	0.036	0	0	0	6
PL.10854	PL.10853	A	4ACSR	7.48Y	124.7	0.01	1.32	2.79	1	20	6	96	0.00	0.0	2.298	0.041	0	0	0	5
PL.6908	PL.10854	A	4ACSR	7.48Y	124.7	0.00	1.32	0.88	0	6	2	95	0.00	0.0	2.360	0.063	0	0	0	3
444521	PL.6908	A	Consumer	7.48Y	124.7	0.00	1.32	0.46	0	3	1	95	0.00	0.0	2.360	0.000	3	1	1	1
PL.6909	PL.6908	A	4ACSR	7.48Y	124.7	0.00	1.32	0.42	0	3	1	95	0.00	0.0	2.416	0.056	0	0	0	2
444512	PL.6909	A	Consumer	7.48Y	124.7	0.00	1.32	0.41	0	3	1	95	0.00	0.0	2.416	0.000	3	1	1	1
PL.6910	PL.6909	A	4ACSR	7.48Y	124.7	0.00	1.32	0.01	0	0	0	100	0.00	0.0	2.468	0.052	0	0	0	1
444518	PL.6910	A	Consumer	7.48Y	124.7	0.00	1.32	0.01	0	0	0	100	0.00	0.0	2.468	0.000	0	0	1	1
444507	PL.10854	A	Consumer	7.48Y	124.7	0.00	1.32	1.64	0	12	4	95	0.00	0.0	2.298	0.000	12	4	1	1
444524	PL.10854	A	Consumer	7.48Y	124.7	0.00	1.32	0.00	0	0	0	100	0.00	0.0	2.298	0.000	0	0	0	0
444508	PL.10854	A	Consumer	7.48Y	124.7	0.00	1.32	0.27	0	2	1	89	0.00	0.0	2.298	0.000	2	1	1	1
PL.10855	PL.10853	A	4ACSR	7.48Y	124.7	0.00	1.31	0.86	0	6	2	95	0.00	0.0	2.267	0.009	0	0	0	1
PD.1426	PL.10855	A	fuse6AMP	7.48Y	124.7	0.00	1.31	0.86	15	6	2	95	0.00	0.0	2.267	0.000	0	0	0	1
PL.10856	PD.1426	A	4ACSR	7.48Y	124.7	0.00	1.32	0.86	0	6	2	95	0.00	0.0	2.304	0.037	0	0	0	1
444535	PL.10856	A	Consumer	7.48Y	124.7	0.00	1.32	0.86	0	6	2	95	0.00	0.0	2.304	0.000	6	2	1	1
PL.41195	PL.41196	A	2ACSR	7.48Y	124.7	0.00	1.29	0.00	0	0	0	100	0.00	0.0	2.159	0.054	0	0	0	0
4445037	PL.41195	A	Consumer	7.48Y	124.7	0.00	1.29	0.00	0	0	0	100	0.00	0.0	2.159	0.000	0	0	0	0
445541	PL.11140	A	Consumer	7.48Y	124.7	0.00	1.26	0.00	0	0	0	100	0.00	0.0	1.924	0.000	0	0	1	1
445518	PL.11140	A	Consumer	7.48Y	124.7	0.00	1.26	0.01	0	0	0	100	0.00	0.0	1.924	0.000	0	0	1	1
445527	PL.11140	A	Consumer	7.48Y	124.7	0.00	1.26	0.98	0	7	2	96	0.00	0.0	1.924	0.000	7	2	1	1
PL.22465	PL.11128	A	4ACSR	7.49Y	124.8	0.00	1.23	1.02	1	7	2	96	0.00	0.0	1.801	0.006	0	0	0	1
PD.1465	PL.22465	A	fuse6AMP	7.49Y	124.8	0.00	1.23	1.02	17	7	2	96	0.00	0.0	1.801	0.000	0	0	0	1
PL.22466	PD.1465	A	4ACSR	7.49Y	124.8	0.00	1.23	1.02	1	7	2	96	0.00	0.0	1.834	0.033	0	0	0	1
445550	PL.22466	A	Consumer	7.49Y	124.8	0.00	1.23	1.02	0	7	2	96	0.00	0.0	1.834	0.000	7	2	1	1
PL.11129	PL.11133	A	4ACSR	7.50Y	125.0	0.00	1.03	7.42	4	53	17	95	0.00	0.0	1.399	0.011	0	0	0	9
C PD.1463	PL.11129	A	fuse6AMP	7.50Y	125.0	0.00	1.03	7.42	127	53	17	95	0.00	0.0	1.399	0.000	0	0	0	9 C
PL.11130	PD.1463	A	4ACSR	7.50Y	125.0	0.02	1.04	7.42	4	53	17	95	0.01	0.0	1.446	0.048	0	0	0	9
PL.11131	PL.11130	A	4ACSR	7.50Y	125.0	0.00	1.05	0.76	0	5	2	93	0.00	0.0	1.523	0.076	0	0	0	1
PL.6446	PL.11131	A	4ACSR	7.50Y	125.0	0.00	1.05	0.00	0	0	0	100	0.00	0.0	1.523	0.000	0	0	0	0
445545	PL.11131	A	Consumer	7.50Y	125.0	0.00	1.05	0.76	0	5	2	93	0.00	0.0	1.523	0.000	5	2	1	1
PL.36530	PL.11130	A	4ACSR	7.50Y	124.9	0.03	1.07	5.81	3	42	13	96	0.01	0.0	1.566	0.119	0	0	0	7
PL.36529	PL.36530	A	2ACSR	7.50Y	124.9	0.00	1.07	0.18	0	1	0	100	0.00	0.0	1.602	0.036	0	0	0	1
4455058	PL.36529	A	Consumer	7.50Y	124.9	0.00	1.07	0.18	0	1	0	100	0.00	0.0	1.602	0.000	1	0	1	1
PL.36531	PL.36530	A	4ACSR	7.49Y	124.9	0.01	1.08	5.64	3	40	13	95	0.00	0.0	1.604	0.038	0	0	0	6
PL.34619	PL.36531	A	4ACSR	7.49Y	124.9	0.01	1.09	2.66	1	19	6	95	0.00	0.0	1.658	0.054	0	0	0	2
PL.34618	PL.34619	A	2ACSR	7.49Y	124.9	0.00	1.09	1.14	0	8	3	94	0.00	0.0	1.693	0.035	0	0	0	1
4455055	PL.34618	A	Consumer	7.49Y	124.9	0.00	1.09	1.14	0	8	3	94	0.00	0.0	1.693	0.000	8	3	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: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.46078	PL.34619	A	4ACSR	7.49Y	124.9	0.00	1.09	1.52	1	11	3	96	0.00	0.0	1.676	0.018	0	0	0	1
4455067	PL.46078	A	Consumer	7.49Y	124.9	0.00	1.09	0.00	0	0	0	100	0.00	0.0	1.676	0.000	0	0	0	0
PL.46079	PL.46078	A	4ACSR	7.49Y	124.9	0.00	1.09	1.52	1	11	3	96	0.00	0.0	1.711	0.035	0	0	0	1
4455066	PL.46079	A	Consumer	7.49Y	124.9	0.00	1.09	0.00	0	0	0	100	0.00	0.0	1.711	0.000	0	0	0	0
445551	PL.46079	A	Consumer	7.49Y	124.9	0.00	1.09	1.52	0	11	3	96	0.00	0.0	1.711	0.000	11	3	1	1
PL.2755	PL.36531	A	4ACSR	7.49Y	124.9	0.00	1.09	2.36	1	17	5	96	0.00	0.0	1.632	0.028	0	0	0	3
445552	PL.2755	A	Consumer	7.49Y	124.9	0.00	1.09	1.33	0	10	3	96	0.00	0.0	1.632	0.000	10	3	1	1
445553	PL.2755	A	Consumer	7.49Y	124.9	0.00	1.09	0.81	0	6	2	95	0.00	0.0	1.632	0.000	6	2	1	1
4455062	PL.2755	A	Consumer	7.49Y	124.9	0.00	1.09	0.22	0	2	0	100	0.00	0.0	1.632	0.000	2	0	1	1
4455054	PL.36531	A	Consumer	7.49Y	124.9	0.00	1.08	0.61	0	4	1	97	0.00	0.0	1.604	0.000	4	1	1	1
445546	PL.11130	A	Consumer	7.50Y	125.0	0.00	1.04	0.85	0	6	2	95	0.00	0.0	1.446	0.000	6	2	1	1
445510	PL.11127	A	Consumer	7.50Y	125.1	0.00	0.94	0.02	0	0	0	100	0.00	0.0	1.292	0.000	0	0	1	1
445608	PL.11127	A	Consumer	7.50Y	125.1	0.00	0.94	0.30	0	2	1	89	0.00	0.0	1.292	0.000	2	1	1	1
PL.14817	PL.11103	B	4ACSR	7.58Y	126.3	0.00	-0.25	1.03	1	7	2	96	0.00	0.0	0.756	0.003	0	0	0	1
PD.1441	PL.14817	B	fuse6AMP	7.58Y	126.3	0.00	-0.25	1.03	18	7	2	96	0.00	0.0	0.756	0.000	0	0	0	1
PL.14437	PD.1441	B	4ACSR	7.57Y	126.2	0.00	-0.25	1.03	1	7	2	96	0.00	0.0	0.793	0.037	0	0	0	1
445612	PL.14437	B	Consumer	7.57Y	126.2	0.00	-0.25	1.03	0	7	2	96	0.00	0.0	0.793	0.000	7	2	1	1
P CP.11	PL.20174	A	Cap (300)	7.54Y	125.6	0.00	0.39	-14.54	0	0	-110	0	0.00	0.0	0.625	0.000	0	0	0	0 P
P		B		7.57Y	126.2	0.00	-0.22	-14.61	0	0	-111	0					0	0	0	0 P
P		C		7.56Y	126.1	0.00	-0.06	-14.59	0	0	-110	0					0	0	0	0 P
445622	PL.25912	B	Consumer	7.57Y	126.2	0.00	-0.16	0.00	0	0	0	100	0.00	0.0	0.460	0.000	0	0	0	0
445633	PL.25912	B	Consumer	7.57Y	126.2	0.00	-0.16	1.15	0	8	3	94	0.00	0.0	0.460	0.000	8	3	1	1
445613	PL.25912	A	Consumer	7.54Y	125.7	0.00	0.27	0.00	0	0	0	100	0.00	0.0	0.460	0.000	0	0	0	0
4456039	PL.25912	B	Consumer	7.57Y	126.2	0.00	-0.16	0.00	0	0	0	100	0.00	0.0	0.460	0.000	0	0	0	0
445630	PL.25912	B	Consumer	7.57Y	126.2	0.00	-0.16	1.13	0	8	3	94	0.00	0.0	0.460	0.000	8	3	1	1
PL.25913	PL.25911	B	4ACSR	7.57Y	126.1	0.00	-0.11	1.38	1	10	3	96	0.00	0.0	0.330	0.002	0	0	0	1
PD.1443	PL.25913	B	fuse6AMP	7.57Y	126.1	0.00	-0.11	1.38	24	10	3	96	0.00	0.0	0.330	0.000	0	0	0	1
PL.25914	PD.1443	B	4ACSR	7.57Y	126.1	0.00	-0.11	1.38	1	10	3	96	0.00	0.0	0.356	0.026	0	0	0	1
445636	PL.25914	B	Consumer	7.57Y	126.1	0.00	-0.11	1.38	0	10	3	96	0.00	0.0	0.356	0.000	10	3	1	1
PL.25909	PL.25907	B	4ACSR	7.56Y	126.1	0.00	-0.06	0.78	0	6	2	95	0.00	0.0	0.197	0.003	0	0	0	2
PD.1442	PL.25909	B	fuse6AMP	7.56Y	126.1	0.00	-0.06	0.78	13	6	2	95	0.00	0.0	0.197	0.000	0	0	0	2
PL.25910	PD.1442	B	4ACSR	7.56Y	126.1	0.00	-0.06	0.78	0	6	2	95	0.00	0.0	0.217	0.020	0	0	0	2
445625	PL.25910	B	Consumer	7.56Y	126.1	0.00	-0.06	0.00	0	0	0	100	0.00	0.0	0.217	0.000	0	0	0	0
PL.24289	PL.25910	B	4ACSR	7.56Y	126.1	0.00	-0.06	0.78	0	6	2	95	0.00	0.0	0.253	0.036	0	0	0	2
PL.24288	PL.24289	B	4ACSR	7.56Y	126.1	0.00	-0.06	0.78	0	6	2	95	0.00	0.0	0.253	0.000	0	0	0	2
445624	PL.24288	B	Consumer	7.56Y	126.1	0.00	-0.06	0.36	0	3	1	95	0.00	0.0	0.253	0.000	3	1	1	1
PL.24021	PL.24288	B	4ACSR	7.56Y	126.1	0.00	-0.06	0.43	0	3	1	95	0.00	0.0	0.359	0.106	0	0	0	1
445632	PL.24021	B	Consumer	7.56Y	126.1	0.00	-0.06	0.43	0	3	1	95	0.00	0.0	0.359	0.000	3	1	1	1
PL.2300	PL.25915	C	4ACSR	7.56Y	126.0	0.00	-0.00	0.58	0	4	1	97	0.00	0.0	0.100	0.040	0	0	0	1

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

Unbalanced Voltage Drop Report
Source: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
444675	PL.2300	C	Consumer	7.56Y	126.0	0.00	-0.00	0.58	0	4	1	97	0.00	0.0	0.100	0.000	4	1	1	1
PL.46598	BLEVINS VALLEY	A	336ACSR	7.56Y	126.0	0.00	0.00	99.38	14	713	236	95	0.00	0.0	0.001	0.001	0	0	0	167
		B		7.56Y	126.0	0.00	0.00	61.13	8	441	140	95					0	0	0	97
		C		7.56Y	126.0	0.00	0.00	59.94	8	429	145	95					0	0	0	89
PL.46599	PL.46598	A	336ACSR	7.56Y	126.0	0.00	0.00	99.38	14	713	236	95	0.00	0.0	0.002	0.001	0	0	0	167
		B		7.56Y	126.0	0.00	0.00	61.13	8	441	140	95					0	0	0	97
		C		7.56Y	126.0	0.00	0.00	59.94	8	429	145	95					0	0	0	89
ST.6	PL.46599	A	Transforme	15.09Y	125.7	0.28	0.28	99.38	14	713	236	95	0.71	0.0	0.002	0.000	0	0	0	167
		B		15.10Y	125.8	0.17	0.17	61.13	9	441	140	95					0	0	0	97
		C		15.10Y	125.8	0.17	0.17	59.94	9	429	145	95					0	0	0	89
PL.31441	ST.6	A	336ACSR	15.09Y	125.7	0.00	0.28	49.69	7	713	232	95	0.00	0.0	0.003	0.002	0	0	0	167
		B		15.10Y	125.8	0.00	0.17	30.56	4	440	138	95					0	0	0	97
		C		15.10Y	125.8	0.00	0.17	29.97	4	429	143	95					0	0	0	89
PL.32880	PL.31441	A	336ACSR	15.09Y	125.7	0.00	0.28	49.69	7	713	232	95	0.00	0.0	0.004	0.000	0	0	0	167
		B		15.10Y	125.8	0.00	0.17	30.56	4	440	138	95					0	0	0	97
		C		15.10Y	125.8	0.00	0.17	29.97	4	429	143	95					0	0	0	89
PL.32881	PL.32880	A	336ACSR	15.09Y	125.7	0.00	0.28	49.69	7	713	232	95	0.02	0.0	0.018	0.015	0	0	0	167
		B		15.10Y	125.8	0.00	0.17	30.56	4	440	138	95					0	0	0	97
		C		15.10Y	125.8	0.00	0.17	29.97	4	429	143	95					0	0	0	89
---------- Feeder No. 1 (BLEVAL1) Beginning with Device PD.2459 ----------																				
PD.2459	PL.32881	A	VWVE	15.09Y	125.7	0.00	0.28	49.69	0	713	232	95	0.00	0.0	0.018	0.000	0	0	0	167
		B		15.10Y	125.8	0.00	0.17	30.56	0	440	138	95					0	0	0	97
		C		15.10Y	125.8	0.00	0.17	29.97	0	429	143	95					0	0	0	89
PL.10117	PD.2459	A	336ACSR	15.08Y	125.7	0.04	0.32	49.69	7	713	232	95	0.20	0.0	0.185	0.167	0	0	0	167
		B		15.10Y	125.8	0.01	0.18	30.56	4	440	138	95					0	0	0	97
		C		15.10Y	125.8	0.02	0.20	29.97	4	429	143	95					0	0	0	89
PL.10119	PL.10117	B	4ACSR	15.10Y	125.8	0.00	0.18	0.78	0	11	3	96	0.00	0.0	0.193	0.008	0	0	0	5
PD.981	PL.10119	B	fuse6AMP	15.10Y	125.8	0.00	0.18	0.78	13	11	3	96	0.00	0.0	0.193	0.000	0	0	0	5
PL.10120	PD.981	B	4ACSR	15.10Y	125.8	0.00	0.18	0.78	0	11	3	96	0.00	0.0	0.230	0.038	0	0	0	5
PL.10121	PL.10120	B	4ACSR	15.10Y	125.8	0.00	0.18	0.48	0	7	2	96	0.00	0.0	0.495	0.265	0	0	0	3
444689	PL.10121	B	Consumer	15.10Y	125.8	0.00	0.18	0.00	0	0	0	100	0.00	0.0	0.495	0.000	0	0	1	1
444617	PL.10121	B	Consumer	15.10Y	125.8	0.00	0.18	0.00	0	0	0	100	0.00	0.0	0.495	0.000	0	0	1	1
444679	PL.10121	B	Consumer	15.10Y	125.8	0.00	0.18	0.48	0	7	2	96	0.00	0.0	0.495	0.000	7	2	1	1
PL.10123	PL.10120	B	4ACSR	15.10Y	125.8	0.00	0.18	0.29	0	4	1	97	0.00	0.0	0.263	0.033	0	0	0	2
PL.45809	PL.10123	B	4ACSR	15.10Y	125.8	0.00	0.18	0.29	0	4	1	97	0.00	0.0	0.404	0.140	0	0	0	2
4446100	PL.45809	B	Consumer	15.10Y	125.8	0.00	0.18	0.00	0	0	0	100	0.00	0.0	0.404	0.000	0	0	0	0
PL.45808	PL.45809	B	4ACSR	15.10Y	125.8	0.00	0.18	0.29	0	4	1	97	0.00	0.0	0.516	0.112	0	0	0	2
444619	PL.45808	B	Consumer	15.10Y	125.8	0.00	0.18	0.03	0	0	0	100	0.00	0.0	0.516	0.000	0	0	1	1
444616	PL.45808	B	Consumer	15.10Y	125.8	0.00	0.18	0.27	0	4	1	97	0.00	0.0	0.516	0.000	4	1	1	1
444618	PL.10123	B	Consumer	15.10Y	125.8	0.00	0.18	0.00	0	0	0	100	0.00	0.0	0.263	0.000	0	0	0	0
PL.10124	PL.10117	A	336ACSR	15.07Y	125.6	0.06	0.38	49.69	7	713	232	95	0.31	0.0	0.446	0.261	0	0	0	167
		B		15.10Y	125.8	0.01	0.18	27.94	4	403	126	95					0	0	0	89
		C		15.09Y	125.8	0.04	0.24	29.97	4	429	143	95					0	0	0	89
PL.25903	PL.10124	A	336ACSR	15.07Y	125.6	0.01	0.39	49.69	7	712	231	95	0.03	0.0	0.477	0.031	0	0	0	167
		B		15.10Y	125.8	-0.00	0.18	19.87	3	286	90	95					0	0	0	72
		C		15.09Y	125.8	0.01	0.24	29.97	4	429	143	95					0	0	0	89
PL.25904	PL.25903	A	336ACSR	15.07Y	125.6	0.02	0.40	49.69	7	712	231	95	0.08	0.0	0.552	0.074	0	0	0	167
		B		15.10Y	125.8	-0.00	0.18	19.87	3	286	90	95					0	0	0	72
		C		15.09Y	125.7	0.01	0.26	29.23	4	419	138	95					0	0	0	88

Unbalanced Voltage Drop Report
Source: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.25905	PL.25904	A	336ACSR	15.07Y	125.6	0.02	0.43	49.69	7	712	231	95	0.12	0.0	0.661	0.109	0	0	0	167
		B		15.10Y	125.8	-0.01	0.18	14.35	2	207	65	95					0	0	0	62
		C		15.09Y	125.7	0.02	0.28	29.23	4	419	138	95					0	0	0	88
444665	PL.25905	B	Consumer	15.10Y	125.8	0.00	0.18	0.39	0	6	2	95	0.00	0.0	0.661	0.000	6	2	1	1
444630	PL.25905	B	Consumer	15.10Y	125.8	0.00	0.18	0.60	0	9	3	95	0.00	0.0	0.661	0.000	9	3	1	1
PL.10504	PL.25905	C	4ACSR	15.09Y	125.7	0.00	0.28	0.67	0	10	3	96	0.00	0.0	0.666	0.006	0	0	0	1
PD.1078	PL.10504	C	fuse6AMP	15.09Y	125.7	0.00	0.28	0.67	11	10	3	96	0.00	0.0	0.666	0.000	0	0	0	1
PL.10505	PD.1078	C	4ACSR	15.09Y	125.7	0.00	0.28	0.67	0	10	3	96	0.00	0.0	0.708	0.042	0	0	0	1
444661	PL.10505	C	Consumer	15.09Y	125.7	0.00	0.28	0.67	0	10	3	96	0.00	0.0	0.708	0.000	10	3	1	1
PL.20295	PL.25905	B	4ACSR	15.10Y	125.8	0.00	0.18	1.41	1	20	6	96	0.00	0.0	0.663	0.003	0	0	0	4
PD.2673	PL.20295	B	fuse6AMP	15.10Y	125.8	0.00	0.18	1.41	24	20	6	96	0.00	0.0	0.663	0.000	0	0	0	4
PL.20296	PD.2673	B	4ACSR	15.10Y	125.8	0.00	0.18	1.41	1	20	6	96	0.00	0.0	0.722	0.058	0	0	0	4
444685	PL.20296	B	Consumer	15.10Y	125.8	0.00	0.18	0.34	0	5	2	93	0.00	0.0	0.722	0.000	5	2	1	1
4446097	PL.20296	B	Consumer	15.10Y	125.8	0.00	0.18	0.00	0	0	0	100	0.00	0.0	0.722	0.000	0	0	0	0
444635	PL.20296	B	Consumer	15.10Y	125.8	0.00	0.18	0.24	0	3	1	95	0.00	0.0	0.722	0.000	3	1	1	1
PL.23283	PL.20296	B	4ACSR	15.10Y	125.8	0.00	0.18	0.83	0	12	4	95	0.00	0.0	0.784	0.062	0	0	0	2
PL.23287	PL.23283	B	4ACSR	15.10Y	125.8	0.00	0.18	0.18	0	3	1	95	0.00	0.0	0.855	0.071	0	0	0	1
PL.23288	PL.23287	B	4ACSR	15.10Y	125.8	0.00	0.18	0.18	0	3	1	95	0.00	0.0	0.856	0.000	0	0	0	1
444650	PL.23288	B	Consumer	15.10Y	125.8	0.00	0.18	0.18	0	3	1	95	0.00	0.0	0.856	0.000	3	1	1	1
444634	PL.23283	B	Consumer	15.10Y	125.8	0.00	0.18	0.65	0	9	3	95	0.00	0.0	0.784	0.000	9	3	1	1
PL.46545	PL.25905	A	336ACSR	15.07Y	125.6	0.00	0.43	49.69	7	712	231	95	0.02	0.0	0.684	0.023	0	0	0	167
		B		15.10Y	125.8	-0.00	0.17	11.96	2	172	54	95					0	0	0	56
		C		15.09Y	125.7	0.00	0.28	28.57	4	409	135	95					0	0	0	87
PL.46547	PL.46545	A	2ACSR	15.07Y	125.6	0.00	0.43	0.00	0	0	0	100	0.00	0.0	0.693	0.009	0	0	0	0
PD.8755	PL.46547	A	fuse6AMP	15.07Y	125.6	0.00	0.43	0.00	0	0	0	100	0.00	0.0	0.693	0.000	0	0	0	0
PL.46548	PD.8755	A	2ACSR	15.07Y	125.6	0.00	0.43	0.00	0	0	0	100	0.00	0.0	0.760	0.068	0	0	0	0
4446103	PL.46548	A	Consumer	15.07Y	125.6	0.00	0.43	0.00	0	0	0	100	0.00	0.0	0.760	0.000	0	0	0	0
PL.46546	PL.46545	A	336ACSR	15.07Y	125.6	0.01	0.44	49.69	7	712	231	95	0.04	0.0	0.726	0.042	0	0	0	167
		B		15.10Y	125.8	-0.00	0.17	11.96	2	172	54	95					0	0	0	56
		C		15.09Y	125.7	0.01	0.29	28.57	4	409	135	95					0	0	0	87
PL.6856	PL.46546	A	336ACSR	15.07Y	125.6	0.01	0.45	49.69	7	712	231	95	0.04	0.0	0.761	0.035	0	0	0	167
		B		15.10Y	125.8	-0.00	0.17	11.58	2	167	52	95					0	0	0	53
		C		15.08Y	125.7	0.01	0.30	28.57	4	409	135	95					0	0	0	87
PL.6857	PL.6856	A	336ACSR	15.06Y	125.5	0.02	0.46	44.72	6	641	208	95	0.08	0.0	0.851	0.090	0	0	0	160
		B		15.10Y	125.8	-0.01	0.16	9.21	1	133	42	95					0	0	0	39
		C		15.08Y	125.7	0.02	0.31	28.57	4	409	135	95					0	0	0	87
444613	PL.6857	B	Consumer	15.10Y	125.8	0.00	0.16	0.18	0	3	1	95	0.00	0.0	0.851	0.000	3	1	1	1
444628	PL.6857	B	Consumer	15.10Y	125.8	0.00	0.16	0.21	0	3	1	95	0.00	0.0	0.851	0.000	3	1	1	1
PL.9701	PL.6857	A	336ACSR	15.06Y	125.5	0.01	0.47	44.72	6	641	208	95	0.04	0.0	0.891	0.040	0	0	0	160
		B		15.10Y	125.8	-0.00	0.16	8.82	1	127	40	95					0	0	0	37
		C		15.08Y	125.7	0.01	0.32	28.57	4	409	135	95					0	0	0	87
444612	PL.9701	B	Consumer	15.10Y	125.8	0.00	0.16	0.11	0	2	0	100	0.00	0.0	0.891	0.000	2	0	1	1
PL.9702	PL.9701	A	336ACSR	15.06Y	125.5	0.00	0.48	44.72	6	641	208	95	0.02	0.0	0.913	0.022	0	0	0	160
		B		15.10Y	125.8	-0.00	0.16	8.71	1	126	39	95					0	0	0	36
		C		15.08Y	125.7	0.00	0.33	28.57	4	409	135	95					0	0	0	87

Unbalanced Voltage Drop Report
Source: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.350-A	PL.9702	A	Closed	15.06Y	125.5	0.00	0.48	44.72	0	641	208	95	0.00	0.0	0.913	0.000	0	0	0	160
		B		15.10Y	125.8	0.00	0.16	8.71	0	126	39	95					0	0	0	36
		C		15.08Y	125.7	0.00	0.33	28.57	0	409	135	95					0	0	0	87
PD.350-B	PD.350-A	A	Closed	15.06Y	125.5	0.00	0.48	44.72	0	641	208	95	0.00	0.0	0.913	0.000	0	0	0	160
		B		15.10Y	125.8	0.00	0.16	8.71	0	126	39	95					0	0	0	36
		C		15.08Y	125.7	0.00	0.33	28.57	0	409	135	95					0	0	0	87
PL.44215	PD.350-B	A	336ACSR	15.06Y	125.5	0.01	0.48	44.72	6	641	208	95	0.03	0.0	0.943	0.030	0	0	0	160
		B		15.10Y	125.8	-0.00	0.16	8.71	1	126	39	95					0	0	0	36
		C		15.08Y	125.7	0.01	0.33	28.57	4	409	135	95					0	0	0	87
PL.44216	PL.44215	A	336ACSR	15.06Y	125.5	0.00	0.48	44.72	6	641	208	95	0.02	0.0	0.967	0.023	0	0	0	160
		B		15.10Y	125.8	-0.00	0.16	8.71	1	126	39	95					0	0	0	36
		C		15.08Y	125.7	0.00	0.34	28.57	4	409	135	95					0	0	0	87
PL.9704	PL.44216	A	336ACSR	15.06Y	125.5	0.01	0.49	44.72	6	641	208	95	0.04	0.0	1.012	0.045	0	0	0	160
		B		15.10Y	125.8	-0.00	0.15	8.71	1	126	39	95					0	0	0	36
		C		15.08Y	125.7	0.01	0.35	28.57	4	409	135	95					0	0	0	87
PL.9705	PL.9704	B	4ACSR	15.10Y	125.8	0.00	0.15	2.35	1	34	11	95	0.00	0.0	1.016	0.004	0	0	0	3
PD.1081	PL.9705	B	fuse6AMP	15.10Y	125.8	0.00	0.15	2.35	40	34	11	95	0.00	0.0	1.016	0.000	0	0	0	3
PL.9706	PD.1081	B	4ACSR	15.10Y	125.8	0.00	0.16	2.35	1	34	11	95	0.00	0.0	1.085	0.069	0	0	0	3
443643	PL.9706	B	Consumer	15.10Y	125.8	0.00	0.16	1.16	0	17	5	96	0.00	0.0	1.085	0.000	17	5	1	1
443628	PL.9706	B	Consumer	15.10Y	125.8	0.00	0.16	0.02	0	0	0	100	0.00	0.0	1.085	0.000	0	0	1	1
443631	PL.9706	B	Consumer	15.10Y	125.8	0.00	0.16	1.18	0	17	5	96	0.00	0.0	1.085	0.000	17	5	1	1
PL.9707	PL.9704	A	336ACSR	15.06Y	125.5	0.01	0.50	44.72	6	641	208	95	0.04	0.0	1.054	0.042	0	0	0	160
		B		15.10Y	125.8	-0.00	0.15	6.36	1	92	29	95					0	0	0	33
		C		15.08Y	125.6	0.01	0.36	28.57	4	409	135	95					0	0	0	87
PL.9711	PL.9707	B	4ACSR	15.10Y	125.8	0.00	0.15	0.07	0	1	0	100	0.00	0.0	1.060	0.006	0	0	0	2
PD.1082	PL.9711	B	fuse6AMP	15.10Y	125.8	0.00	0.15	0.07	1	1	0	100	0.00	0.0	1.060	0.000	0	0	0	2
PL.9712	PD.1082	B	4ACSR	15.10Y	125.8	0.00	0.15	0.07	0	1	0	100	0.00	0.0	1.132	0.071	0	0	0	2
443606	PL.9712	B	Consumer	15.10Y	125.8	0.00	0.15	0.04	0	1	0	100	0.00	0.0	1.132	0.000	1	0	1	1
443613	PL.9712	B	Consumer	15.10Y	125.8	0.00	0.15	0.02	0	0	0	100	0.00	0.0	1.132	0.000	0	0	1	1
PL.9708	PL.9707	A	336ACSR	15.06Y	125.5	0.00	0.50	44.72	6	641	208	95	0.00	0.0	1.054	0.000	0	0	0	160
		B		15.10Y	125.8	0.00	0.15	6.29	1	91	28	95					0	0	0	30
		C		15.08Y	125.6	0.00	0.36	28.57	4	409	135	95					0	0	0	87
PL.9709	PL.9708	B	4ACSR	15.10Y	125.8	0.00	0.15	0.07	0	1	0	100	0.00	0.0	1.059	0.005	0	0	0	1
PD.1083	PL.9709	B	fuse6AMP	15.10Y	125.8	0.00	0.15	0.07	1	1	0	100	0.00	0.0	1.059	0.000	0	0	0	1
PL.9710	PD.1083	B	4ACSR	15.10Y	125.8	0.00	0.15	0.07	0	1	0	100	0.00	0.0	1.154	0.095	0	0	0	1
PL.6863	PL.9710	B	4ACSR	15.10Y	125.8	0.00	0.15	0.00	0	0	0	100	0.00	0.0	1.154	0.000	0	0	0	0
443659	PL.9710	B	Consumer	15.10Y	125.8	0.00	0.15	0.07	0	1	0	100	0.00	0.0	1.154	0.000	1	0	1	1
PL.9713	PL.9708	A	336ACSR	15.06Y	125.5	0.03	0.53	44.72	6	641	208	95	0.14	0.0	1.211	0.157	0	0	0	160
		B		15.10Y	125.9	-0.01	0.14	6.22	1	90	28	95					0	0	0	29
		C		15.07Y	125.6	0.03	0.39	28.57	4	409	135	95					0	0	0	87
PL.9715	PL.9713	B	4ACSR	15.10Y	125.9	0.00	0.14	1.17	1	17	5	96	0.00	0.0	1.217	0.006	0	0	0	3
PD.1084	PL.9715	B	fuse6AMP	15.10Y	125.9	0.00	0.14	1.17	20	17	5	96	0.00	0.0	1.217	0.000	0	0	0	3
PL.10507	PD.1084	B	4ACSR	15.10Y	125.9	0.00	0.14	1.17	1	17	5	96	0.00	0.0	1.287	0.070	0	0	0	3
443615	PL.10507	B	Consumer	15.10Y	125.9	0.00	0.14	0.55	0	8	2	97	0.00	0.0	1.287	0.000	8	2	1	1
443661	PL.10507	B	Consumer	15.10Y	125.9	0.00	0.14	0.58	0	8	3	94	0.00	0.0	1.287	0.000	8	3	1	1
443639	PL.10507	B	Consumer	15.10Y	125.9	0.00	0.14	0.04	0	1	0	100	0.00	0.0	1.287	0.000	1	0	1	1

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

Unbalanced Voltage Drop Report
Source: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.9714	PL.9713	A	336ACSR	15.06Y	125.5	0.01	0.54	44.72	6	641	207	95	0.07	0.0	1.291	0.080	0	0	0	160
		B		15.10Y	125.9	-0.01	0.13	5.05	1	73	23	95					0	0	0	26
		C		15.07Y	125.6	0.02	0.41	28.57	4	409	135	95					0	0	0	87
PL.10508	PL.9714	A	336ACSR	15.05Y	125.5	0.01	0.55	44.72	6	641	207	95	0.03	0.0	1.323	0.032	0	0	0	160
		B		15.10Y	125.9	-0.00	0.13	5.05	1	73	23	95					0	0	0	26
		C		15.07Y	125.6	0.01	0.41	28.57	4	409	135	95					0	0	0	87
443641	PL.10508	B	Consumer	15.10Y	125.9	0.00	0.13	0.37	0	5	2	93	0.00	0.0	1.323	0.000	5	2	1	1
PL.10509	PL.10508	A	336ACSR	15.05Y	125.4	0.02	0.56	44.72	6	641	207	95	0.08	0.0	1.413	0.090	0	0	0	160
		B		15.11Y	125.9	-0.01	0.12	4.68	1	67	21	95					0	0	0	25
		C		15.07Y	125.6	0.02	0.43	28.57	4	409	135	95					0	0	0	87
PL.10511	PL.10509	B	4ACSR	15.11Y	125.9	0.00	0.12	0.35	0	5	2	93	0.00	0.0	1.419	0.006	0	0	0	4
PD.1086	PL.10511	B	fuse6AMP	15.11Y	125.9	0.00	0.12	0.35	6	5	2	93	0.00	0.0	1.419	0.000	0	0	0	4
PL.10512	PD.1086	B	4ACSR	15.11Y	125.9	0.00	0.12	0.35	0	5	2	93	0.00	0.0	1.450	0.031	0	0	0	4
PL.10510	PL.10512	B	4ACSR	15.11Y	125.9	0.00	0.12	0.25	0	4	1	97	0.00	0.0	1.510	0.060	0	0	0	1
PL.6860	PL.10510	B	4ACSR	15.11Y	125.9	0.00	0.12	0.00	0	0	0	100	0.00	0.0	1.510	0.000	0	0	0	0
443621	PL.10510	B	Consumer	15.11Y	125.9	0.00	0.12	0.25	0	4	1	97	0.00	0.0	1.510	0.000	4	1	1	1
443619	PL.10512	B	Consumer	15.11Y	125.9	0.00	0.12	0.02	0	0	0	100	0.00	0.0	1.450	0.000	0	0	1	1
443614	PL.10512	B	Consumer	15.11Y	125.9	0.00	0.12	0.00	0	0	0	100	0.00	0.0	1.450	0.000	0	0	1	1
443632	PL.10512	B	Consumer	15.11Y	125.9	0.00	0.12	0.09	0	1	0	100	0.00	0.0	1.450	0.000	1	0	1	1
PL.10513	PL.10509	B	4ACSR	15.11Y	125.9	0.00	0.12	0.14	0	2	1	89	0.00	0.0	1.418	0.006	0	0	0	2
PD.1085	PL.10513	B	fuse6AMP	15.11Y	125.9	0.00	0.12	0.14	2	2	1	89	0.00	0.0	1.418	0.000	0	0	0	2
PL.10834	PD.1085	B	4ACSR	15.11Y	125.9	0.00	0.12	0.14	0	2	1	89	0.00	0.0	1.621	0.202	0	0	0	2
PL.19534	PL.10834	B	4ACSR	15.11Y	125.9	0.00	0.12	0.01	0	0	0	100	0.00	0.0	1.671	0.051	0	0	0	1
PL.19535	PL.19534	B	4ACSR	15.11Y	125.9	0.00	0.12	0.01	0	0	0	100	0.00	0.0	1.909	0.238	0	0	0	1
444624	PL.19535	B	Consumer	15.11Y	125.9	0.00	0.12	0.01	0	0	0	100	0.00	0.0	1.909	0.000	0	0	1	1
443651	PL.19534	B	Consumer	15.11Y	125.9	0.00	0.12	0.00	0	0	0	100	0.00	0.0	1.671	0.000	0	0	0	0
443653	PL.10834	B	Consumer	15.11Y	125.9	0.00	0.12	0.13	0	2	1	89	0.00	0.0	1.621	0.000	2	1	1	1
PL.25954	PL.10509	A	336ACSR	15.05Y	125.4	0.05	0.61	44.72	6	640	207	95	0.29	0.0	1.729	0.317	0	0	0	160
		B		15.11Y	125.9	-0.03	0.09	4.19	1	60	19	95					0	0	0	19
		C		15.06Y	125.5	0.07	0.50	28.57	4	409	135	95					0	0	0	87
C PD.2456	PL.25954	A	50V4E	15.05Y	125.4	0.00	0.61	44.72	89	640	207	95	0.00	0.0	1.729	0.000	0	0	0	160 C
		B		15.11Y	125.9	0.00	0.09	4.19	17	60	19	95					0	0	0	19
		C		15.06Y	125.5	0.00	0.50	28.57	0	409	135	95					0	0	0	87
PL.25955	PD.2456	A	336ACSR	15.05Y	125.4	0.00	0.62	44.72	6	640	207	95	0.01	0.0	1.744	0.015	0	0	0	160
		B		15.11Y	125.9	-0.00	0.09	4.19	1	60	19	95					0	0	0	19
		C		15.06Y	125.5	0.00	0.51	28.57	4	409	135	95					0	0	0	87
PL.25719	PL.25955	A	4ACSR	15.04Y	125.4	0.01	0.63	44.72	23	640	206	95	0.06	0.0	1.756	0.012	0	0	0	160
PD.352-A	PL.25719	A	Closed	15.04Y	125.4	0.00	0.63	44.72	0	640	206	95	0.00	0.0	1.756	0.000	0	0	0	160
PD.352-B	PD.352-A	A	Closed	15.04Y	125.4	0.00	0.63	44.72	0	640	206	95	0.00	0.0	1.756	0.000	0	0	0	160
PL.25720	PD.352-B	A	4ACSR	15.04Y	125.3	0.05	0.68	44.72	23	640	206	95	0.24	0.0	1.805	0.049	0	0	0	160
PL.21269	PL.25720	A	4ACSR	15.04Y	125.3	0.00	0.68	0.54	0	8	2	97	0.00	0.0	1.813	0.008	0	0	0	3
PD.1093	PL.21269	A	fuse6AMP	15.04Y	125.3	0.00	0.68	0.54	9	8	2	97	0.00	0.0	1.813	0.000	0	0	0	3
PL.21270	PD.1093	A	4ACSR	15.04Y	125.3	0.00	0.68	0.54	0	8	2	97	0.00	0.0	1.858	0.045	0	0	0	3
443638	PL.21270	A	Consumer	15.04Y	125.3	0.00	0.68	0.15	0	2	1	89	0.00	0.0	1.858	0.000	2	1	1	1

Unbalanced Voltage Drop Report
Source: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.21268	PL.21270	A	4ACSR	15.04Y	125.3	0.00	0.68	0.40	0	6	2	95	0.00	0.0	1.937	0.079	0	0	0	2
443636	PL.21268	A	Consumer	15.04Y	125.3	0.00	0.68	0.14	0	2	1	89	0.00	0.0	1.937	0.000	2	1	1	1
PL.23344	PL.21268	A	4ACSR	15.04Y	125.3	0.00	0.68	0.26	0	4	1	97	0.00	0.0	2.025	0.088	0	0	0	1
443650	PL.23344	A	Consumer	15.04Y	125.3	0.00	0.68	0.26	0	4	1	97	0.00	0.0	2.025	0.000	4	1	1	1
PL.25953	PL.25720	A	4ACSR	15.03Y	125.3	0.05	0.73	44.18	23	632	204	95	0.24	0.0	1.857	0.052	0	0	0	157
443657	PL.25953	A	Consumer	15.03Y	125.3	0.00	0.73	0.09	0	1	0	100	0.00	0.0	1.857	0.000	1	0	1	1
PL.43958	PL.25953	A	4ACSR	15.03Y	125.2	0.02	0.75	44.08	23	631	203	95	0.10	0.0	1.879	0.022	0	0	0	156
4436064	PL.43958	A	Consumer	15.03Y	125.2	0.00	0.75	0.00	0	0	0	100	0.00	0.0	1.879	0.000	0	0	0	0
PL.43959	PL.43958	A	4ACSR	15.02Y	125.1	0.11	0.86	44.08	23	631	203	95	0.49	0.1	1.986	0.106	0	0	0	156
PL.21275	PL.43959	A	4ACSR	15.02Y	125.1	0.00	0.86	0.32	0	5	1	98	0.00	0.0	1.995	0.009	0	0	0	1
PD.984	PL.21275	A	fuse6AMP	15.02Y	125.1	0.00	0.86	0.32	5	5	1	98	0.00	0.0	1.995	0.000	0	0	0	1
PL.28220	PD.984	A	4ACSR	15.02Y	125.1	0.00	0.86	0.32	0	5	1	98	0.00	0.0	2.053	0.058	0	0	0	1
443660	PL.28220	A	Consumer	15.02Y	125.1	0.00	0.86	0.32	0	5	1	98	0.00	0.0	2.053	0.000	5	1	1	1
PL.32762	PL.43959	A	4ACSR	15.01Y	125.1	0.06	0.91	43.76	23	625	201	95	0.26	0.0	2.042	0.056	0	0	0	155
4436062	PL.32762	A	Consumer	15.01Y	125.1	0.00	0.91	0.53	0	8	2	97	0.00	0.0	2.042	0.000	8	2	1	1
443656	PL.32762	A	Consumer	15.01Y	125.1	0.00	0.91	0.65	0	9	3	95	0.00	0.0	2.042	0.000	9	3	1	1
PL.32763	PL.32762	A	4ACSR	15.01Y	125.1	0.03	0.95	42.58	22	608	196	95	0.14	0.0	2.074	0.032	0	0	0	153
PL.20923	PL.32763	A	4ACSR	15.00Y	125.0	0.04	0.99	41.92	22	599	193	95	0.19	0.0	2.119	0.045	0	0	0	149
PL.20924	PL.20923	A	4ACSR	15.00Y	125.0	0.00	0.99	41.92	22	599	193	95	0.00	0.0	2.119	0.000	0	0	0	149
PL.11052	PL.20924	A	4ACSR	15.00Y	125.0	0.02	1.01	41.92	22	599	193	95	0.10	0.0	2.142	0.023	0	0	0	149
442630	PL.11052	A	Consumer	15.00Y	125.0	0.00	1.01	0.30	0	4	1	97	0.00	0.0	2.142	0.000	4	1	1	1
442603	PL.11052	A	Consumer	15.00Y	125.0	0.00	1.01	0.00	0	0	0	100	0.00	0.0	2.142	0.000	0	0	0	0
442620	PL.11052	A	Consumer	15.00Y	125.0	0.00	1.01	1.80	0	24	12	89	0.00	0.0	2.142	0.000	24	12	1	1
PL.11053	PL.11052	A	4ACSR	14.99Y	124.9	0.05	1.06	39.84	21	570	180	95	0.19	0.0	2.192	0.050	0	0	0	147
PL.6891	PL.11053	A	4ACSR	14.99Y	124.9	0.03	1.08	39.33	20	562	177	95	0.11	0.0	2.222	0.030	0	0	0	146
442523	PL.6891	A	Consumer	14.99Y	124.9	0.00	1.08	0.50	0	7	2	96	0.00	0.0	2.222	0.000	7	2	1	1
442529	PL.6891	A	Consumer	14.99Y	124.9	0.00	1.08	0.49	0	7	2	96	0.00	0.0	2.222	0.000	7	2	1	1
PL.11057	PL.6891	A	4ACSR	14.99Y	124.9	0.03	1.11	38.34	20	548	173	95	0.11	0.0	2.253	0.031	0	0	0	144
C PD.1077	PL.11057	A	fuse6AMP	14.99Y	124.9	0.00	1.11	38.34	655	548	173	95	0.00	0.0	2.253	0.000	0	0	0	144 C
PL.11058	PD.1077	A	4ACSR	14.99Y	124.9	0.01	1.12	38.34	20	548	173	95	0.03	0.0	2.263	0.010	0	0	0	144
PL.22227	PL.11058	A	4ACSR	14.99Y	124.9	0.00	1.12	0.61	0	9	3	95	0.00	0.0	2.276	0.013	0	0	0	2
PD.1076	PL.22227	A	fuse6AMP	14.99Y	124.9	0.00	1.12	0.61	10	9	3	95	0.00	0.0	2.276	0.000	0	0	0	2
PL.22228	PD.1076	A	4ACSR	14.99Y	124.9	0.00	1.12	0.61	0	9	3	95	0.00	0.0	2.347	0.072	0	0	0	2
PL.23371	PL.22228	A	4ACSR	14.99Y	124.9	0.00	1.12	0.56	0	8	2	97	0.00	0.0	2.398	0.051	0	0	0	1
442535	PL.23371	A	Consumer	14.99Y	124.9	0.00	1.12	0.56	0	8	2	97	0.00	0.0	2.398	0.000	8	2	1	1
442532	PL.22228	A	Consumer	14.99Y	124.9	0.00	1.12	0.06	0	1	0	100	0.00	0.0	2.347	0.000	1	0	1	1
PL.20921	PL.11058	A	4ACSR	14.99Y	124.9	0.01	1.12	3.97	2	57	18	95	0.00	0.0	2.324	0.061	0	0	0	15
PL.20922	PL.20921	A	4ACSR	14.99Y	124.9	0.00	1.12	3.97	2	57	18	95	0.00	0.0	2.324	0.000	0	0	0	15

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

Unbalanced Voltage Drop Report
Source: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.11054	PL.20922	A	4ACSR	14.99Y	124.9	0.00	1.12	3.45	2	49	15	96	0.00	0.0	2.329	0.005	0	0	0	13
PD.2454	PL.11054	A	25V4E	14.99Y	124.9	0.00	1.12	3.45	14	49	15	96	0.00	0.0	2.329	0.000	0	0	0	13
PL.11055	PD.2454	A	4ACSR	14.98Y	124.9	0.00	1.13	3.45	2	49	15	96	0.00	0.0	2.371	0.042	0	0	0	13
PL.6788	PL.11055	A	4ACSR	14.98Y	124.9	0.01	1.13	2.88	1	41	13	95	0.00	0.0	2.477	0.105	0	0	0	12
442601	PL.6788	A	Consumer	14.98Y	124.9	0.00	1.13	0.13	0	2	1	89	0.00	0.0	2.477	0.000	2	1	1	1
PL.25705	PL.6788	A	4ACSR	14.98Y	124.9	0.01	1.14	2.06	1	29	9	96	0.00	0.0	2.587	0.110	0	0	0	7
PL.22233	PL.25705	A	4ACSR	14.98Y	124.9	0.00	1.14	0.38	0	5	2	93	0.00	0.0	2.616	0.029	0	0	0	1
PD.1230	PL.22233	A	fuse6AMP	14.98Y	124.9	0.00	1.14	0.38	6	5	2	93	0.00	0.0	2.616	0.000	0	0	0	1
PL.22234	PD.1230	A	4ACSR	14.98Y	124.9	0.00	1.14	0.38	0	5	2	93	0.00	0.0	2.633	0.018	0	0	0	1
PL.23368	PL.22234	A	4ACSR	14.98Y	124.9	0.00	1.14	0.38	0	5	2	93	0.00	0.0	3.050	0.417	0	0	0	1
PL.28388	PL.23368	A	4ACSR	14.98Y	124.9	0.00	1.14	0.38	0	5	2	93	0.00	0.0	3.200	0.150	0	0	0	1
442515	PL.28388	A	Consumer	14.98Y	124.9	0.00	1.14	0.38	0	5	2	93	0.00	0.0	3.200	0.000	5	2	1	1
PL.28389	PL.28388	A	4ACSR	14.98Y	124.9	0.00	1.14	0.00	0	0	0	100	0.00	0.0	3.249	0.049	0	0	0	0
PL.23369	PL.28389	A	4ACSR	14.98Y	124.9	0.00	1.14	0.00	0	0	0	100	0.00	0.0	3.338	0.088	0	0	0	0
442533	PL.23369	A	Consumer	14.98Y	124.9	0.00	1.14	0.00	0	0	0	100	0.00	0.0	3.338	0.000	0	0	0	0
PL.46072	PL.23369	A	2ACSR	14.98Y	124.9	0.00	1.14	0.00	0	0	0	100	0.00	0.0	3.356	0.018	0	0	0	0
PD.8713-B	PL.46072	A	Open	14.98Y	124.9	0.00	1.14	0.00	0	0	0	100	0.00	0.0	3.356	0.000	0	0	0	0
PL.25706	PL.25705	A	4ACSR	14.98Y	124.9	0.01	1.14	1.68	1	24	8	95	0.00	0.0	2.766	0.179	0	0	0	6
PL.25707	PL.25706	A	4ACSR	14.98Y	124.8	0.01	1.15	1.68	1	24	8	95	0.00	0.0	2.991	0.225	0	0	0	6
442616	PL.25707	A	Consumer	14.98Y	124.8	0.00	1.15	0.21	0	3	1	95	0.00	0.0	2.991	0.000	3	1	1	1
442629	PL.25707	A	Consumer	14.98Y	124.8	0.00	1.15	0.01	0	0	0	100	0.00	0.0	2.991	0.000	0	0	1	1
PL.12466	PL.25707	A	4ACSR	14.98Y	124.8	0.01	1.16	1.46	1	21	7	95	0.00	0.0	3.182	0.191	0	0	0	4
PL.20528	PL.12466	A	4ACSR	14.98Y	124.8	0.00	1.16	0.34	0	5	2	93	0.00	0.0	3.190	0.008	0	0	0	2
PD.972	PL.20528	A	fuse6AMP	14.98Y	124.8	0.00	1.16	0.34	6	5	2	93	0.00	0.0	3.190	0.000	0	0	0	2
PL.20527	PD.972	A	4ACSR	14.98Y	124.8	0.00	1.16	0.34	0	5	2	93	0.00	0.0	3.210	0.020	0	0	0	2
442604	PL.20527	A	Consumer	14.98Y	124.8	0.00	1.16	0.29	0	4	1	97	0.00	0.0	3.210	0.000	4	1	1	1
442626	PL.20527	A	Consumer	14.98Y	124.8	0.00	1.16	0.05	0	1	0	100	0.00	0.0	3.210	0.000	1	0	1	1
PL.12467	PL.12466	A	4ACSR	14.98Y	124.8	0.00	1.16	1.11	1	16	5	95	0.00	0.0	3.300	0.118	0	0	0	2
PL.25704	PL.12467	A	4ACSR	14.98Y	124.8	0.00	1.17	0.54	0	8	2	97	0.00	0.0	3.495	0.195	0	0	0	1
442615	PL.25704	A	Consumer	14.98Y	124.8	0.00	1.17	0.54	0	8	2	97	0.00	0.0	3.495	0.000	8	2	1	1
4426033	PL.25704	A	Consumer	14.98Y	124.8	0.00	1.17	0.00	0	0	0	100	0.00	0.0	3.495	0.000	0	0	0	0
PL.20529	PL.12467	A	4ACSR	14.98Y	124.8	0.00	1.16	0.57	0	8	3	94	0.00	0.0	3.322	0.021	0	0	0	1
PD.973	PL.20529	A	fuse6AMP	14.98Y	124.8	0.00	1.16	0.57	10	8	3	94	0.00	0.0	3.322	0.000	0	0	0	1
PL.20530	PD.973	A	4ACSR	14.98Y	124.8	0.00	1.16	0.57	0	8	3	94	0.00	0.0	3.421	0.099	0	0	0	1
4426032	PL.20530	A	Consumer	14.98Y	124.8	0.00	1.16	0.57	0	8	3	94	0.00	0.0	3.421	0.000	8	3	1	1
PL.12464	PL.25706	A	4ACSR	14.98Y	124.9	0.00	1.14	0.00	0	0	0	100	0.00	0.0	2.786	0.020	0	0	0	0
PD.1231	PL.12464	A	fuse6AMP	14.98Y	124.9	0.00	1.14	0.00	0	0	0	100	0.00	0.0	2.786	0.000	0	0	0	0
PL.12465	PD.1231	A	4ACSR	14.98Y	124.9	0.00	1.14	0.00	0	0	0	100	0.00	0.0	2.835	0.049	0	0	0	0

Unbalanced Voltage Drop Report
Source: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.24008	PL.12465	A	4ACSR	14.98Y	124.9	0.00	1.14	0.00	0	0	0	100	0.00	0.0	2.845	0.010	0	0	0	0
PL.24007	PL.24008	A	4ACSR	14.98Y	124.9	0.00	1.14	0.00	0	0	0	100	0.00	0.0	2.921	0.076	0	0	0	0
442531	PL.24007	A	Consumer	14.98Y	124.9	0.00	1.14	0.00	0	0	0	100	0.00	0.0	2.921	0.000	0	0	0	0
PL.22230	PL.6788	A	4ACSR	14.98Y	124.9	0.00	1.13	0.14	0	2	1	89	0.00	0.0	2.523	0.047	0	0	0	2
PL.22229	PL.22230	A	4ACSR	14.98Y	124.9	-0.00	1.13	0.09	0	1	0	100	0.00	0.0	2.525	0.002	0	0	0	1
PL.28372	PL.22229	A	4ACSR	14.98Y	124.9	0.00	1.13	0.09	0	1	0	100	0.00	0.0	2.580	0.055	0	0	0	1
442508	PL.28372	A	Consumer	14.98Y	124.9	0.00	1.13	0.09	0	1	0	100	0.00	0.0	2.580	0.000	1	0	1	1
PL.23327	PL.22229	A	4ACSR	14.98Y	124.9	0.00	1.13	0.00	0	0	0	100	0.00	0.0	2.525	0.000	0	0	0	0
442602	PL.22230	A	Consumer	14.98Y	124.9	0.00	1.13	0.06	0	1	0	100	0.00	0.0	2.523	0.000	1	0	1	1
PL.25702	PL.6788	A	4ACSR	14.98Y	124.9	0.00	1.13	0.55	0	8	2	97	0.00	0.0	2.480	0.004	0	0	0	2
PD.1229	PL.25702	A	fuse6AMP	14.98Y	124.9	0.00	1.13	0.55	9	8	2	97	0.00	0.0	2.480	0.000	0	0	0	2
PL.25703	PD.1229	A	4ACSR	14.98Y	124.9	0.00	1.13	0.55	0	8	2	97	0.00	0.0	2.500	0.020	0	0	0	2
442625	PL.25703	A	Consumer	14.98Y	124.9	0.00	1.13	0.51	0	7	2	96	0.00	0.0	2.500	0.000	7	2	1	1
442627	PL.25703	A	Consumer	14.98Y	124.9	0.00	1.13	0.04	0	1	0	100	0.00	0.0	2.500	0.000	1	0	1	1
442624	PL.11055	A	Consumer	14.98Y	124.9	0.00	1.13	0.00	0	0	0	100	0.00	0.0	2.371	0.000	0	0	0	0
442610	PL.11055	A	Consumer	14.98Y	124.9	0.00	1.13	0.56	0	8	3	94	0.00	0.0	2.371	0.000	8	3	1	1
PL.23328	PL.20922	A	4ACSR	14.99Y	124.9	0.00	1.12	0.53	0	8	2	97	0.00	0.0	2.392	0.068	0	0	0	2
442631	PL.23328	A	Consumer	14.99Y	124.9	0.00	1.12	0.40	0	6	2	95	0.00	0.0	2.392	0.000	6	2	1	1
442614	PL.23328	A	Consumer	14.99Y	124.9	0.00	1.12	0.13	0	2	1	89	0.00	0.0	2.392	0.000	2	1	1	1
442530	PL.11058	A	Consumer	14.99Y	124.9	0.00	1.12	0.50	0	7	2	96	0.00	0.0	2.263	0.000	7	2	1	1
PL.28371	PL.11058	A	4ACSR	14.99Y	124.9	0.00	1.12	1.84	1	26	9	94	0.00	0.0	2.314	0.051	0	0	0	3
4425037	PL.28371	A	Consumer	14.99Y	124.9	0.00	1.12	0.21	0	3	1	95	0.00	0.0	2.314	0.000	0	0	0	1
442524	4425037	A	Consumer	14.99Y	124.9	0.00	1.12	0.21	0	3	1	95	0.00	0.0	2.314	0.000	3	1	1	1
442521	PL.28371	A	Consumer	14.99Y	124.9	0.00	1.12	0.86	0	12	4	95	0.00	0.0	2.314	0.000	12	4	1	1
442522	PL.28371	A	Consumer	14.99Y	124.9	0.00	1.12	0.78	0	11	4	94	0.00	0.0	2.314	0.000	11	4	1	1
PL.6896	PL.11058	A	4ACSR	14.98Y	124.8	0.05	1.16	30.21	16	432	136	95	0.15	0.0	2.330	0.067	0	0	0	121
PL.11059	PL.6896	A	4ACSR	14.98Y	124.8	0.00	1.17	29.97	15	428	135	95	0.01	0.0	2.336	0.006	0	0	0	120
PD.362-A	PL.11059	A	Closed	14.98Y	124.8	0.00	1.17	29.97	0	428	135	95	0.00	0.0	2.336	0.000	0	0	0	120
PD.362-B	PD.362-A	A	Closed	14.98Y	124.8	0.00	1.17	29.97	0	428	135	95	0.00	0.0	2.336	0.000	0	0	0	120
PL.25701	PD.362-B	A	4ACSR	14.98Y	124.8	0.02	1.19	29.97	15	428	135	95	0.07	0.0	2.366	0.030	0	0	0	120
PL.11056	PL.25701	A	4ACSR	14.96Y	124.7	0.11	1.29	27.48	14	393	124	95	0.31	0.1	2.538	0.172	0	0	0	115
PL.106	PL.11056	A	4ACSR	14.96Y	124.6	0.08	1.37	22.43	12	320	101	95	0.19	0.1	2.695	0.157	0	0	0	97
PL.25723	PL.106	A	4ACSR	14.95Y	124.6	0.06	1.44	22.43	12	320	101	95	0.15	0.0	2.819	0.124	0	0	0	97
PL.41480	PL.25723	A	4ACSR	14.94Y	124.5	0.06	1.50	22.05	11	314	99	95	0.14	0.0	2.941	0.122	0	0	0	94
PL.41481	PL.41480	A	4ACSR	14.91Y	124.3	0.22	1.72	22.00	11	314	99	95	0.51	0.2	3.380	0.440	0	0	0	93
PL.25725	PL.41481	A	4ACSR	14.91Y	124.3	0.02	1.74	21.33	11	303	95	95	0.05	0.0	3.427	0.047	0	0	0	88
PD.370-A	PL.25725	A	Closed	14.91Y	124.3	0.00	1.74	21.33	0	303	95	95	0.00	0.0	3.427	0.000	0	0	0	88
PD.370-B	PD.370-A	A	Closed	14.91Y	124.3	0.00	1.74	21.33	0	303	95	95	0.00	0.0	3.427	0.000	0	0	0	88

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: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.25726	PD.370-B	A	4ACSR	14.89Y	124.1	0.18	1.91	21.33	11	303	95	95	0.40	0.1	3.792	0.365	0	0	0	88
PL.22311	PL.25726	A	4ACSR	14.89Y	124.1	0.00	1.92	0.48	0	7	2	96	0.00	0.0	3.872	0.080	0	0	0	3
443428	PL.22311	A	Consumer	14.89Y	124.1	0.00	1.92	0.33	0	5	1	98	0.00	0.0	3.872	0.000	5	1	1	1
PL.22815	PL.22311	A	4ACSR	14.89Y	124.1	0.00	1.92	0.15	0	2	1	89	0.00	0.0	3.980	0.109	0	0	0	2
PL.23315	PL.22815	A	4ACSR	14.89Y	124.1	0.00	1.92	0.15	0	2	1	89	0.00	0.0	4.088	0.108	0	0	0	2
443431	PL.23315	A	Consumer	14.89Y	124.1	0.00	1.92	0.15	0	2	1	89	0.00	0.0	4.088	0.000	2	1	1	1
PL.23316	PL.23315	A	4ACSR	14.89Y	124.1	0.00	1.92	0.00	0	0	0	100	0.00	0.0	4.088	0.000	0	0	0	0
PL.40296	PL.23315	A	2ACSR	14.89Y	124.1	0.00	1.92	0.00	0	0	0	100	0.00	0.0	4.186	0.098	0	0	0	1
4434040	PL.40296	A	Consumer	14.89Y	124.1	0.00	1.92	0.00	0	0	0	100	0.00	0.0	4.186	0.000	0	0	1	1
PL.25727	PL.25726	A	4ACSR	14.89Y	124.1	0.02	1.94	16.23	8	231	72	95	0.04	0.0	3.851	0.059	0	0	0	72
443418	PL.25727	A	Consumer	14.89Y	124.1	0.00	1.94	0.06	0	1	0	100	0.00	0.0	3.851	0.000	1	0	1	1
PL.17428	PL.25727	A	4ACSR	14.89Y	124.1	0.00	1.94	16.17	8	230	72	95	0.01	0.0	3.860	0.009	0	0	0	71
PD.2468	PL.17428	A	50V4E	14.89Y	124.1	0.00	1.94	16.17	32	230	72	95	0.00	0.0	3.860	0.000	0	0	0	71
PL.28259	PD.2468	A	4ACSR	14.88Y	124.0	0.07	2.01	16.17	8	230	72	95	0.13	0.1	4.061	0.201	0	0	0	71
PL.22802	PL.28259	A	4ACSR	14.88Y	124.0	0.01	2.02	16.17	8	230	72	95	0.01	0.0	4.076	0.015	0	0	0	71
443417	PL.22802	A	Consumer	14.88Y	124.0	0.00	2.02	0.00	0	0	0	100	0.00	0.0	4.076	0.000	0	0	1	1
PL.6913	PL.22802	A	4ACSR	14.87Y	123.9	0.04	2.05	15.11	8	215	67	95	0.06	0.0	4.180	0.105	0	0	0	63
PL.6894	PL.6913	A	4ACSR	14.87Y	123.9	0.05	2.10	15.11	8	215	67	95	0.07	0.0	4.313	0.132	0	0	0	63
442434	PL.6894	A	Consumer	14.87Y	123.9	0.00	2.10	0.30	0	4	1	97	0.00	0.0	4.313	0.000	4	1	1	1
PL.19598	PL.6894	A	4ACSR	14.86Y	123.9	0.03	2.13	14.81	8	210	66	95	0.05	0.0	4.416	0.103	0	0	0	62
PL.19599	PL.19598	A	4ACSR	14.86Y	123.8	0.02	2.15	14.52	7	206	65	95	0.03	0.0	4.481	0.065	0	0	0	60
PL.25728	PL.19599	A	4ACSR	14.86Y	123.8	0.03	2.19	14.52	7	206	65	95	0.05	0.0	4.578	0.097	0	0	0	60
442439	PL.25728	A	Consumer	14.86Y	123.8	0.00	2.19	0.04	0	1	0	100	0.00	0.0	4.578	0.000	1	0	1	1
PL.25988	PL.25728	A	4ACSR	14.85Y	123.8	0.03	2.22	14.48	7	205	64	95	0.05	0.0	4.672	0.094	0	0	0	59
C PD.1097	PL.25988	A	fuse6AMP	14.85Y	123.8	0.00	2.22	14.48	247	205	64	95	0.00	0.0	4.672	0.000	0	0	0	59 C
PL.25989	PD.1097	A	4ACSR	14.85Y	123.8	0.00	2.22	14.48	7	205	64	95	0.00	0.0	4.682	0.010	0	0	0	59
PL.25729	PL.25989	A	4ACSR	14.85Y	123.8	0.00	2.22	10.54	5	149	47	95	0.00	0.0	4.692	0.011	0	0	0	46
C PD.1096	PL.25729	A	fuse6AMP	14.85Y	123.8	0.00	2.22	10.54	180	149	47	95	0.00	0.0	4.692	0.000	0	0	0	46 C
PL.25990	PD.1096	A	4ACSR	14.85Y	123.8	0.02	2.25	10.54	5	149	47	95	0.03	0.0	4.791	0.099	0	0	0	46
PL.6892	PL.25990	A	4ACSR	14.85Y	123.8	0.00	2.25	0.21	0	3	1	95	0.00	0.0	4.849	0.058	0	0	0	1
PL.6893	PL.6892	A	4ACSR	14.85Y	123.8	0.00	2.25	0.00	0	0	0	100	0.00	0.0	4.849	0.000	0	0	0	0
442421	PL.6892	A	Consumer	14.85Y	123.8	0.00	2.25	0.21	0	3	1	95	0.00	0.0	4.849	0.000	3	1	1	1
PL.25991	PL.25990	A	4ACSR	14.85Y	123.8	0.00	2.25	0.56	0	8	2	97	0.00	0.0	4.798	0.008	0	0	0	1
PD.1098	PL.25991	A	fuse6AMP	14.85Y	123.8	0.00	2.25	0.56	10	8	2	97	0.00	0.0	4.798	0.000	0	0	0	1
PL.25992	PD.1098	A	4ACSR	14.85Y	123.8	0.00	2.25	0.56	0	8	2	97	0.00	0.0	4.868	0.069	0	0	0	1
442426	PL.25992	A	Consumer	14.85Y	123.8	0.00	2.25	0.56	0	8	2	97	0.00	0.0	4.868	0.000	8	2	1	1
PL.25993	PL.25990	A	4ACSR	14.85Y	123.7	0.01	2.26	9.76	5	138	43	95	0.01	0.0	4.845	0.055	0	0	0	44
442409	PL.25993	A	Consumer	14.85Y	123.7	0.00	2.26	0.50	0	7	2	96	0.00	0.0	4.845	0.000	7	2	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: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
442430	PL.25993	A	Consumer	14.85Y	123.7	0.00	2.26	0.02	0	0	0	100	0.00	0.0	4.845	0.000	0	0	1	1
PL.28016	PL.25993	A	4ACSR	14.85Y	123.7	0.01	2.27	9.25	5	131	41	95	0.01	0.0	4.899	0.053	0	0	0	42
PL.28017	PL.28016	A	4ACSR	14.85Y	123.7	0.01	2.28	8.83	5	125	39	95	0.01	0.0	4.959	0.061	0	0	0	40
C PD.1075	PL.28017	A	fuse6AMP	14.85Y	123.7	0.00	2.28	8.83	151	125	39	95	0.00	0.0	4.959	0.000	0	0	0	40 C
PL.11075	PD.1075	A	4ACSR	14.85Y	123.7	0.00	2.28	8.83	5	125	39	95	0.00	0.0	4.965	0.005	0	0	0	40
PL.11074	PL.11075	A	4ACSR	14.85Y	123.7	0.00	2.28	3.70	2	52	16	96	0.00	0.0	4.973	0.008	0	0	0	18
PD.1099	PL.11074	A	fuse6AMP	14.85Y	123.7	0.00	2.28	3.70	63	52	16	96	0.00	0.0	4.973	0.000	0	0	0	18
PL.11076	PD.1099	A	4ACSR	14.84Y	123.7	0.01	2.30	3.70	2	52	16	96	0.01	0.0	5.137	0.165	0	0	0	18
442410	PL.11076	A	Consumer	14.84Y	123.7	0.00	2.30	0.61	0	9	3	95	0.00	0.0	5.137	0.000	9	3	1	1
PL.11077	PL.11076	A	4ACSR	14.84Y	123.7	0.00	2.30	3.09	2	44	14	95	0.00	0.0	5.142	0.004	0	0	0	17
PD.2466	PL.11077	A	25V4E	14.84Y	123.7	0.00	2.30	3.09	12	44	14	95	0.00	0.0	5.142	0.000	0	0	0	17
4424045	PD.2466	A	Consumer	14.84Y	123.7	0.00	2.30	0.49	0	7	2	96	0.00	0.0	5.142	0.000	7	2	1	1
PL.11078	PD.2466	A	4ACSR	14.84Y	123.7	0.00	2.30	2.60	1	37	12	95	0.00	0.0	5.213	0.071	0	0	0	16
441410	PL.11078	A	Consumer	14.84Y	123.7	0.00	2.30	0.19	0	3	1	95	0.00	0.0	5.213	0.000	3	1	1	1
PL.11080	PL.11078	A	4ACSR	14.84Y	123.7	0.00	2.30	1.87	1	26	8	96	0.00	0.0	5.217	0.005	0	0	0	11
PD.360-A	PL.11080	A	Closed	14.84Y	123.7	0.00	2.30	1.87	0	26	8	96	0.00	0.0	5.217	0.000	0	0	0	11
PD.360-B	PD.360-A	A	Closed	14.84Y	123.7	0.00	2.30	1.87	0	26	8	96	0.00	0.0	5.217	0.000	0	0	0	11
PL.11081	PD.360-B	A	4ACSR	14.84Y	123.7	0.00	2.31	1.87	1	26	8	96	0.00	0.0	5.288	0.071	0	0	0	11
PL.22814	PL.11081	A	4ACSR	14.84Y	123.7	0.00	2.31	0.00	0	0	0	100	0.00	0.0	5.295	0.007	0	0	0	0
PD.1235	PL.22814	A	fuse6AMP	14.84Y	123.7	0.00	2.31	0.00	0	0	0	100	0.00	0.0	5.295	0.000	0	0	0	0
PL.22306	PD.1235	A	4ACSR	14.84Y	123.7	0.00	2.31	0.00	0	0	0	100	0.00	0.0	5.345	0.050	0	0	0	0
PL.28366	PL.22306	A	4ACSR	14.84Y	123.7	0.00	2.31	0.00	0	0	0	100	0.00	0.0	5.424	0.079	0	0	0	0
PL.11079	PL.11081	A	4ACSR	14.84Y	123.7	0.00	2.31	1.87	1	26	8	96	0.00	0.0	5.365	0.077	0	0	0	11
441403	PL.11079	A	Consumer	14.84Y	123.7	0.00	2.31	0.05	0	1	0	100	0.00	0.0	5.365	0.000	1	0	1	1
441404	PL.11079	A	Consumer	14.84Y	123.7	0.00	2.31	0.07	0	1	0	100	0.00	0.0	5.365	0.000	1	0	1	1
PL.11082	PL.11079	A	4ACSR	14.84Y	123.7	0.00	2.31	1.74	1	25	8	95	0.00	0.0	5.459	0.094	0	0	0	9
PD.1418	PL.11082	A	fuse6AMP	14.84Y	123.7	0.00	2.31	1.74	30	25	8	95	0.00	0.0	5.459	0.000	0	0	0	9
PL.32759	PD.1418	A	4ACSR	14.84Y	123.7	0.00	2.31	0.00	0	0	0	100	0.00	0.0	5.731	0.273	0	0	0	0
4414003	PL.32759	A	Consumer	14.84Y	123.7	0.00	2.31	0.00	0	0	0	100	0.00	0.0	5.731	0.000	0	0	0	0
PL.14810	PD.1418	A	4ACSR	14.84Y	123.7	0.01	2.32	1.43	1	20	6	96	0.00	0.0	5.754	0.295	0	0	0	8
PD.3053-A	PL.14810	A	Closed	14.84Y	123.7	0.00	2.32	1.43	0	20	6	96	0.00	0.0	5.754	0.000	0	0	0	8
PD.3053-B	PD.3053-A	A	Closed	14.84Y	123.7	0.00	2.32	1.43	0	20	6	96	0.00	0.0	5.754	0.000	0	0	0	8
PL.14811	PD.3053-B	A	4ACSR	14.84Y	123.7	0.01	2.33	1.43	1	20	6	96	0.00	0.0	6.038	0.284	0	0	0	8
PL.22307	PL.14811	A	4ACSR	14.84Y	123.7	0.00	2.33	0.26	0	4	1	97	0.00	0.0	6.048	0.010	0	0	0	2
PD.1419	PL.22307	A	fuse6AMP	14.84Y	123.7	0.00	2.33	0.26	4	4	1	97	0.00	0.0	6.048	0.000	0	0	0	2
PL.22308	PD.1419	A	4ACSR	14.84Y	123.7	0.00	2.33	0.26	0	4	1	97	0.00	0.0	6.105	0.056	0	0	0	2
PL.28356	PL.22308	A	4ACSR	14.84Y	123.7	0.00	2.33	0.26	0	4	1	97	0.00	0.0	6.184	0.080	0	0	0	2
441409	PL.28356	A	Consumer	14.84Y	123.7	0.00	2.33	0.02	0	0	0	100	0.00	0.0	6.184	0.000	0	0	1	1

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

Unbalanced Voltage Drop Report
Source: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.23305	PL.28356	A	4ACSR	14.84Y	123.7	0.00	2.33	0.24	0	3	1	95	0.00	0.0	6.249	0.065	0	0	0	1
PL.23306	PL.23305	A	4ACSR	14.84Y	123.7	0.00	2.33	0.00	0	0	0	100	0.00	0.0	6.263	0.014	0	0	0	0
441412	PL.23305	A	Consumer	14.84Y	123.7	0.00	2.33	0.24	0	3	1	95	0.00	0.0	6.249	0.000	3	1	1	1
PL.28357	PL.22308	A	4ACSR	14.84Y	123.7	0.00	2.33	0.00	0	0	0	100	0.00	0.0	6.129	0.024	0	0	0	0
PL.11083	PL.14811	A	4ACSR	14.84Y	123.7	0.00	2.33	1.18	1	17	5	96	0.00	0.0	6.052	0.014	0	0	0	6
PD.365-A	PL.11083	A	Closed	14.84Y	123.7	0.00	2.33	1.18	0	17	5	96	0.00	0.0	6.052	0.000	0	0	0	6
PD.365-B	PD.365-A	A	Closed	14.84Y	123.7	0.00	2.33	1.18	0	17	5	96	0.00	0.0	6.052	0.000	0	0	0	6
PL.11084	PD.365-B	A	4ACSR	14.84Y	123.7	0.01	2.35	1.18	1	17	5	96	0.00	0.0	6.604	0.552	0	0	0	6
440402	PL.11084	A	Consumer	14.84Y	123.7	0.00	2.35	0.49	0	7	2	96	0.00	0.0	6.604	0.000	7	2	1	1
440418	PL.11084	A	Consumer	14.84Y	123.7	0.00	2.35	0.03	0	0	0	100	0.00	0.0	6.604	0.000	0	0	1	1
PL.11086	PL.11084	A	4ACSR	14.84Y	123.7	0.00	2.35	0.66	0	9	3	95	0.00	0.0	6.610	0.006	0	0	0	4
PD.366-A	PL.11086	A	Closed	14.84Y	123.7	0.00	2.35	0.66	0	9	3	95	0.00	0.0	6.610	0.000	0	0	0	4
PD.366-B	PD.366-A	A	Closed	14.84Y	123.7	0.00	2.35	0.66	0	9	3	95	0.00	0.0	6.610	0.000	0	0	0	4
PL.11087	PD.366-B	A	4ACSR	14.84Y	123.7	0.00	2.35	0.66	0	9	3	95	0.00	0.0	6.669	0.059	0	0	0	4
PL.11085	PL.11087	A	4ACSR	14.84Y	123.6	0.00	2.35	0.66	0	9	3	95	0.00	0.0	6.913	0.244	0	0	0	4
PL.11088	PL.11085	A	4ACSR	14.84Y	123.6	0.00	2.35	0.53	0	8	2	97	0.00	0.0	7.007	0.094	0	0	0	3
PL.11090	PL.11088	A	4ACSR	14.84Y	123.6	0.00	2.35	0.30	0	4	1	97	0.00	0.0	7.023	0.016	0	0	0	2
PD.1421	PL.11090	A	fuse6AMP	14.84Y	123.6	0.00	2.35	0.30	5	4	1	97	0.00	0.0	7.023	0.000	0	0	0	2
PL.11089	PD.1421	A	4ACSR	14.84Y	123.6	0.00	2.35	0.30	0	4	1	97	0.00	0.0	7.188	0.166	0	0	0	2
PL.8595	PL.11089	A	4ACSR	14.84Y	123.6	0.00	2.35	0.30	0	4	1	97	0.00	0.0	7.252	0.064	0	0	0	2
440415	PL.8595	A	Consumer	14.84Y	123.6	0.00	2.35	0.01	0	0	0	100	0.00	0.0	7.252	0.000	0	0	1	1
440419	PL.8595	A	Consumer	14.84Y	123.6	0.00	2.35	0.29	0	4	1	97	0.00	0.0	7.252	0.000	4	1	1	1
440417	PL.8595	A	Consumer	14.84Y	123.6	0.00	2.35	0.00	0	0	0	100	0.00	0.0	7.252	0.000	0	0	0	0
PL.11091	PL.11088	A	4ACSR	14.84Y	123.6	0.00	2.35	0.23	0	3	1	95	0.00	0.0	7.282	0.275	0	0	0	1
PD.1422	PL.11091	A	fuse6AMP	14.84Y	123.6	0.00	2.35	0.23	4	3	1	95	0.00	0.0	7.282	0.000	0	0	0	1
PL.11092	PD.1422	A	4ACSR	14.84Y	123.6	0.00	2.35	0.23	0	3	1	95	0.00	0.0	7.307	0.025	0	0	0	1
PL.11093	PL.11092	A	4ACSR	14.84Y	123.6	0.00	2.35	0.00	0	0	0	100	0.00	0.0	7.636	0.329	0	0	0	0
PL.1800	PL.11093	A	4ACSR	14.84Y	123.6	0.00	2.35	0.00	0	0	0	100	0.00	0.0	7.808	0.172	0	0	0	0
PL.11094	PL.11093	A	4ACSR	14.84Y	123.6	0.00	2.35	0.00	0	0	0	100	0.00	0.0	7.720	0.083	0	0	0	0
PL.1801	PL.11092	A	4ACSR	14.84Y	123.6	0.00	2.35	0.00	0	0	0	100	0.00	0.0	7.308	0.000	0	0	0	0
PL.1802	PL.11092	A	4ACSR	14.84Y	123.6	0.00	2.35	0.00	0	0	0	100	0.00	0.0	7.312	0.004	0	0	0	0
PL.27498	PL.11092	A	4ACSR	14.84Y	123.6	0.00	2.35	0.23	0	3	1	95	0.00	0.0	7.370	0.063	0	0	0	1
440416	PL.27498	A	Consumer	14.84Y	123.6	0.00	2.35	0.00	0	0	0	100	0.00	0.0	7.370	0.000	0	0	0	0
440404	PL.27498	A	Consumer	14.84Y	123.6	0.00	2.35	0.23	0	3	1	95	0.00	0.0	7.370	0.000	3	1	1	1
440403	PL.11085	A	Consumer	14.84Y	123.6	0.00	2.35	0.13	0	2	1	89	0.00	0.0	6.913	0.000	2	1	1	1
PL.22309	PL.11087	A	4ACSR	14.84Y	123.7	0.00	2.35	0.00	0	0	0	100	0.00	0.0	6.687	0.017	0	0	0	0
PD.1420	PL.22309	A	fuse6AMP	14.84Y	123.7	0.00	2.35	0.00	0	0	0	100	0.00	0.0	6.687	0.000	0	0	0	0
PL.22459	PD.1420	A	4ACSR	14.84Y	123.7	0.00	2.35	0.00	0	0	0	100	0.00	0.0	6.747	0.060	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: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.22460	PL.22459	A	4ACSR	14.84Y	123.7	0.00	2.35	0.00	0	0	0	100	0.00	0.0	6.819	0.072	0	0	0	0
PL.28355	PL.22460	A	4ACSR	14.84Y	123.7	0.00	2.35	0.00	0	0	0	100	0.00	0.0	6.882	0.064	0	0	0	0
PL.28354	PL.28355	A	4ACSR	14.84Y	123.7	0.00	2.35	0.00	0	0	0	100	0.00	0.0	6.932	0.050	0	0	0	0
PL.21191	PL.28354	A	4ACSR	14.84Y	123.7	0.00	2.35	0.00	0	0	0	100	0.00	0.0	7.082	0.150	0	0	0	0
PL.28365	PD.1418	A	4ACSR	14.84Y	123.7	0.00	2.31	0.31	0	4	1	97	0.00	0.0	5.548	0.089	0	0	0	1
441415	PL.28365	A	Consumer	14.84Y	123.7	0.00	2.31	0.31	0	4	1	97	0.00	0.0	5.548	0.000	4	1	1	1
PL.22812	PL.11078	A	4ACSR	14.84Y	123.7	0.00	2.30	0.54	0	8	2	97	0.00	0.0	5.221	0.009	0	0	0	4
PD.1234	PL.22812	A	fuse6AMP	14.84Y	123.7	0.00	2.30	0.54	9	8	2	97	0.00	0.0	5.221	0.000	0	0	0	4
PL.22813	PD.1234	A	4ACSR	14.84Y	123.7	0.00	2.30	0.54	0	8	2	97	0.00	0.0	5.322	0.100	0	0	0	4
441411	PL.22813	A	Consumer	14.84Y	123.7	0.00	2.30	0.00	0	0	0	100	0.00	0.0	5.322	0.000	0	0	1	1
441414	PL.22813	A	Consumer	14.84Y	123.7	0.00	2.30	0.25	0	4	1	97	0.00	0.0	5.322	0.000	4	1	1	1
PL.23304	PL.22813	A	4ACSR	14.84Y	123.7	0.00	2.31	0.29	0	4	1	97	0.00	0.0	5.687	0.365	0	0	0	2
PL.28364	PL.23304	A	4ACSR	14.84Y	123.7	0.00	2.31	0.29	0	4	1	97	0.00	0.0	5.814	0.127	0	0	0	2
441408	PL.28364	A	Consumer	14.84Y	123.7	0.00	2.31	0.16	0	2	1	89	0.00	0.0	5.814	0.000	2	1	1	1
PL.28363	PL.28364	A	4ACSR	14.84Y	123.7	0.00	2.31	0.13	0	2	1	89	0.00	0.0	5.919	0.105	0	0	0	1
PL.28362	PL.28363	A	4ACSR	14.84Y	123.7	0.00	2.31	0.13	0	2	1	89	0.00	0.0	5.985	0.066	0	0	0	1
PL.28361	PL.28362	A	4ACSR	14.84Y	123.7	0.00	2.31	0.13	0	2	1	89	0.00	0.0	6.066	0.081	0	0	0	1
PL.28359	PL.28361	A	4ACSR	14.84Y	123.7	0.00	2.31	0.13	0	2	1	89	0.00	0.0	6.148	0.082	0	0	0	1
PL.28358	PL.28359	A	4ACSR	14.84Y	123.7	0.00	2.31	0.13	0	2	1	89	0.00	0.0	6.193	0.045	0	0	0	1
441501	PL.28358	A	Consumer	14.84Y	123.7	0.00	2.31	0.13	0	2	1	89	0.00	0.0	6.193	0.000	2	1	1	1
PL.28360	PL.28362	A	4ACSR	14.84Y	123.7	0.00	2.31	0.00	0	0	0	100	0.00	0.0	6.086	0.101	0	0	0	0
PL.28369	PL.11075	A	4ACSR	14.85Y	123.7	0.00	2.28	0.48	0	7	2	96	0.00	0.0	5.055	0.091	0	0	0	3
PL.23302	PL.28369	A	4ACSR	14.85Y	123.7	0.00	2.28	0.19	0	3	1	95	0.00	0.0	5.259	0.203	0	0	0	1
442423	PL.23302	A	Consumer	14.85Y	123.7	0.00	2.28	0.00	0	0	0	100	0.00	0.0	5.259	0.000	0	0	0	0
PL.23303	PL.23302	A	4ACSR	14.85Y	123.7	0.00	2.29	0.19	0	3	1	95	0.00	0.0	5.298	0.039	0	0	0	1
442402	PL.23303	A	Consumer	14.85Y	123.7	0.00	2.29	0.19	0	3	1	95	0.00	0.0	5.298	0.000	3	1	1	1
PL.28367	PL.28369	A	4ACSR	14.85Y	123.7	0.00	2.28	0.11	0	2	0	100	0.00	0.0	5.116	0.061	0	0	0	1
442406	PL.28367	A	Consumer	14.85Y	123.7	0.00	2.28	0.11	0	2	0	100	0.00	0.0	5.116	0.000	2	0	1	1
PL.28368	PL.28369	A	4ACSR	14.85Y	123.7	0.00	2.28	0.18	0	3	1	95	0.00	0.0	5.108	0.053	0	0	0	1
442422	PL.28368	A	Consumer	14.85Y	123.7	0.00	2.28	0.18	0	3	1	95	0.00	0.0	5.108	0.000	3	1	1	1
PL.25994	PL.11075	A	4ACSR	14.84Y	123.7	0.01	2.30	4.24	2	60	19	95	0.01	0.0	5.102	0.137	0	0	0	17
PL.25995	PL.25994	A	4ACSR	14.84Y	123.7	0.00	2.30	3.96	2	56	18	95	0.00	0.0	5.110	0.008	0	0	0	15
PD.2465	PL.25995	A	25V4E	14.84Y	123.7	0.00	2.30	3.96	16	56	18	95	0.00	0.0	5.110	0.000	0	0	0	15
PL.25996	PD.2465	A	4ACSR	14.84Y	123.7	0.00	2.30	3.96	2	56	18	95	0.00	0.0	5.162	0.053	0	0	0	15
442412	PL.25996	A	Consumer	14.84Y	123.7	0.00	2.30	0.31	0	4	1	97	0.00	0.0	5.162	0.000	4	1	1	1
4424042	PL.25996	A	Consumer	14.84Y	123.7	0.00	2.30	0.03	0	0	0	100	0.00	0.0	5.162	0.000	0	0	1	1
4424046	PL.25996	A	Consumer	14.84Y	123.7	0.00	2.30	0.00	0	0	0	100	0.00	0.0	5.162	0.000	0	0	0	0
PL.25997	PL.25996	A	4ACSR	14.84Y	123.7	0.01	2.31	3.62	2	51	16	95	0.00	0.0	5.223	0.061	0	0	0	13

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Unbalanced Voltage Drop Report
Source: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.25998	PL.25997	A	4ACSR	14.84Y	123.7	0.01	2.32	3.60	2	51	16	95	0.00	0.0	5.342	0.119	0	0	0	12
442431	PL.25998	A	Consumer	14.84Y	123.7	0.00	2.32	0.10	0	1	0	100	0.00	0.0	5.342	0.000	1	0	1	1
PL.11060	PL.25998	A	4ACSR	14.84Y	123.7	0.01	2.32	3.50	2	50	16	95	0.00	0.0	5.422	0.079	0	0	0	11
PL.22808	PL.11060	A	4ACSR	14.84Y	123.7	0.00	2.32	0.11	0	1	0	100	0.00	0.0	5.434	0.013	0	0	0	1
PD.1100	PL.22808	A	fuse6AMP	14.84Y	123.7	0.00	2.32	0.11	2	1	0	100	0.00	0.0	5.434	0.000	0	0	0	1
PL.22809	PD.1100	A	4ACSR	14.84Y	123.7	0.00	2.32	0.11	0	1	0	100	0.00	0.0	5.497	0.063	0	0	0	1
442435	PL.22809	A	Consumer	14.84Y	123.7	0.00	2.32	0.00	0	0	0	100	0.00	0.0	5.497	0.000	0	0	0	0
442416	PL.22809	A	Consumer	14.84Y	123.7	0.00	2.32	0.11	0	1	0	100	0.00	0.0	5.497	0.000	1	0	1	1
PL.11061	PL.11060	A	4ACSR	14.84Y	123.7	0.00	2.33	2.54	1	36	11	96	0.00	0.0	5.496	0.074	0	0	0	9
PL.22810	PL.11061	A	4ACSR	14.84Y	123.7	0.00	2.33	0.00	0	0	0	100	0.00	0.0	5.504	0.008	0	0	0	0
PD.1233	PL.22810	A	fuse6AMP	14.84Y	123.7	0.00	2.33	0.00	0	0	0	100	0.00	0.0	5.504	0.000	0	0	0	0
PL.22811	PD.1233	A	4ACSR	14.84Y	123.7	0.00	2.33	0.00	0	0	0	100	0.00	0.0	5.534	0.030	0	0	0	0
PL.11062	PL.11061	A	4ACSR	14.84Y	123.7	0.00	2.33	2.54	1	36	11	96	0.00	0.0	5.553	0.057	0	0	0	9
442510	PL.11062	A	Consumer	14.84Y	123.7	0.00	2.33	0.43	0	6	2	95	0.00	0.0	5.553	0.000	6	2	1	1
PL.11063	PL.11062	A	4ACSR	14.84Y	123.7	0.01	2.34	2.11	1	30	9	96	0.00	0.0	5.681	0.128	0	0	0	8
442502	PL.11063	A	Consumer	14.84Y	123.7	0.00	2.34	0.55	0	8	2	97	0.00	0.0	5.681	0.000	8	2	1	1
PL.11066	PL.11063	A	4ACSR	14.84Y	123.7	0.00	2.34	1.56	1	22	7	95	0.00	0.0	5.780	0.099	0	0	0	7
PD.1232	PL.11066	A	fuse6AMP	14.84Y	123.7	0.00	2.34	1.56	27	22	7	95	0.00	0.0	5.780	0.000	0	0	0	7
PL.11067	PD.1232	A	4ACSR	14.84Y	123.7	0.00	2.34	1.56	1	22	7	95	0.00	0.0	5.794	0.014	0	0	0	7
PL.11068	PL.11067	A	4ACSR	14.84Y	123.7	0.00	2.34	1.28	1	18	6	95	0.00	0.0	5.905	0.112	0	0	0	5
PL.11069	PL.11068	A	4ACSR	14.84Y	123.7	0.00	2.34	1.03	1	15	5	95	0.00	0.0	5.919	0.013	0	0	0	3
PL.11070	PL.11069	A	4ACSR	14.84Y	123.7	0.00	2.34	1.03	1	15	5	95	0.00	0.0	5.935	0.017	0	0	0	3
442527	PL.11070	A	Consumer	14.84Y	123.7	0.00	2.34	0.00	0	0	0	100	0.00	0.0	5.935	0.000	0	0	0	0
PL.11071	PL.11070	A	4ACSR	14.84Y	123.7	0.00	2.34	1.03	1	15	5	95	0.00	0.0	5.962	0.027	0	0	0	3
PL.11072	PL.11071	A	4ACSR	14.84Y	123.7	0.00	2.35	0.53	0	7	2	96	0.00	0.0	6.046	0.084	0	0	0	2
442519	PL.11072	A	Consumer	14.84Y	123.7	0.00	2.35	0.34	0	5	1	98	0.00	0.0	6.046	0.000	5	1	1	1
PL.11073	PL.11072	A	4ACSR	14.84Y	123.7	0.00	2.35	0.19	0	3	1	95	0.00	0.0	6.171	0.125	0	0	0	1
442505	PL.11073	A	Consumer	14.84Y	123.7	0.00	2.35	0.19	0	3	1	95	0.00	0.0	6.171	0.000	3	1	1	1
PL.46071	PL.11073	A	2ACSR	14.84Y	123.7	0.00	2.35	0.00	0	0	0	100	0.00	0.0	6.259	0.087	0	0	0	0
PD.8713-A	PL.46071	A	Open	14.84Y	123.7	0.00	2.35	0.00	0	0	0	100	0.00	0.0	6.259	0.000	0	0	0	0
442514	PL.11071	A	Consumer	14.84Y	123.7	0.00	2.34	0.51	0	7	2	96	0.00	0.0	5.962	0.000	7	2	1	1
442504	PL.11071	A	Consumer	14.84Y	123.7	0.00	2.34	0.00	0	0	0	100	0.00	0.0	5.962	0.000	0	0	0	0
442525	PL.11068	A	Consumer	14.84Y	123.7	0.00	2.34	0.21	0	3	1	95	0.00	0.0	5.905	0.000	3	1	1	1
442517	PL.11068	A	Consumer	14.84Y	123.7	0.00	2.34	0.03	0	0	0	100	0.00	0.0	5.905	0.000	0	0	1	1
PL.28370	PL.11067	A	4ACSR	14.84Y	123.7	0.00	2.34	0.29	0	4	1	97	0.00	0.0	5.875	0.081	0	0	0	2
442513	PL.28370	A	Consumer	14.84Y	123.7	0.00	2.34	0.29	0	4	1	97	0.00	0.0	5.875	0.000	4	1	1	1
442518	PL.28370	A	Consumer	14.84Y	123.7	0.00	2.34	0.00	0	0	0	100	0.00	0.0	5.875	0.000	0	0	1	1
PL.11064	PL.11062	A	4ACSR	14.84Y	123.7	0.00	2.33	0.00	0	0	0	100	0.00	0.0	5.562	0.009	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: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.1101	PL.11064	A	fuse6AMP	14.84Y	123.7	0.00	2.33	0.00	0	0	0	100	0.00	0.0	5.562	0.000	0	0	0	0
PL.11065	PD.1101	A	4ACSR	14.84Y	123.7	0.00	2.33	0.00	0	0	0	100	0.00	0.0	5.639	0.077	0	0	0	0
442503	PL.11065	A	Consumer	14.84Y	123.7	0.00	2.33	0.00	0	0	0	100	0.00	0.0	5.639	0.000	0	0	0	0
PL.37755	PL.11060	A	2ACSR	14.84Y	123.7	0.00	2.32	0.86	0	12	4	95	0.00	0.0	5.478	0.057	0	0	0	1
4424043	PL.37755	A	Consumer	14.84Y	123.7	0.00	2.32	0.86	0	12	4	95	0.00	0.0	5.478	0.000	12	4	1	1
442427	PL.25997	A	Consumer	14.84Y	123.7	0.00	2.31	0.02	0	0	0	100	0.00	0.0	5.223	0.000	0	0	1	1
442429	PL.25997	A	Consumer	14.84Y	123.7	0.00	2.31	0.00	0	0	0	100	0.00	0.0	5.223	0.000	0	0	0	0
442425	PL.25994	A	Consumer	14.84Y	123.7	0.00	2.30	0.04	0	1	0	100	0.00	0.0	5.102	0.000	1	0	1	1
442420	PL.25994	A	Consumer	14.84Y	123.7	0.00	2.30	0.24	0	3	1	95	0.00	0.0	5.102	0.000	3	1	1	1
442415	PL.11075	A	Consumer	14.85Y	123.7	0.00	2.28	0.35	0	5	2	93	0.00	0.0	4.965	0.000	5	2	1	1
442433	PL.11075	A	Consumer	14.85Y	123.7	0.00	2.28	0.06	0	1	0	100	0.00	0.0	4.965	0.000	1	0	1	1
442417	PL.28016	A	Consumer	14.85Y	123.7	0.00	2.27	0.12	0	2	1	89	0.00	0.0	4.899	0.000	2	1	1	1
442428	PL.28016	A	Consumer	14.85Y	123.7	0.00	2.27	0.30	0	4	1	97	0.00	0.0	4.899	0.000	4	1	1	1
PL.27803	PL.25989	A	4ACSR	14.85Y	123.8	0.01	2.23	2.62	1	37	12	95	0.00	0.0	4.802	0.120	0	0	0	9
442407	PL.27803	A	Consumer	14.85Y	123.8	0.00	2.23	0.13	0	2	1	89	0.00	0.0	4.802	0.000	2	1	1	1
442408	PL.27803	A	Consumer	14.85Y	123.8	0.00	2.23	0.25	0	3	1	95	0.00	0.0	4.802	0.000	3	1	1	1
PL.27804	PL.27803	A	4ACSR	14.85Y	123.8	0.00	2.23	2.25	1	32	10	95	0.00	0.0	4.886	0.084	0	0	0	7
PD.363-A	PL.27804	A	Closed	14.85Y	123.8	0.00	2.23	2.25	0	32	10	95	0.00	0.0	4.886	0.000	0	0	0	7
PD.363-B	PD.363-A	A	Closed	14.85Y	123.8	0.00	2.23	2.25	0	32	10	95	0.00	0.0	4.886	0.000	0	0	0	7
PL.27642	PD.363-B	A	4ACSR	14.85Y	123.8	0.00	2.24	2.25	1	32	10	95	0.00	0.0	4.954	0.068	0	0	0	7
PL.12471	PL.27642	A	4ACSR	14.85Y	123.8	0.00	2.24	2.25	1	32	10	95	0.00	0.0	5.025	0.071	0	0	0	6
442436	PL.12471	A	Consumer	14.85Y	123.8	0.00	2.24	0.52	0	7	2	96	0.00	0.0	5.025	0.000	7	2	1	1
442401	PL.12471	A	Consumer	14.85Y	123.8	0.00	2.24	0.01	0	0	0	100	0.00	0.0	5.025	0.000	0	0	1	1
PL.12472	PL.12471	A	4ACSR	14.85Y	123.8	0.00	2.24	1.29	1	18	6	95	0.00	0.0	5.144	0.119	0	0	0	3
PL.6895	PL.12472	A	4ACSR	14.85Y	123.8	0.00	2.25	1.29	1	18	6	95	0.00	0.0	5.307	0.163	0	0	0	3
PL.12469	PL.6895	A	4ACSR	14.85Y	123.8	0.00	2.25	1.26	1	18	6	95	0.00	0.0	5.323	0.016	0	0	0	2
PD.361-A	PL.12469	A	Closed	14.85Y	123.8	0.00	2.25	1.26	0	18	6	95	0.00	0.0	5.323	0.000	0	0	0	2
PD.361-B	PD.361-A	A	Closed	14.85Y	123.8	0.00	2.25	1.26	0	18	6	95	0.00	0.0	5.323	0.000	0	0	0	2
PL.12470	PD.361-B	A	4ACSR	14.85Y	123.7	0.00	2.25	1.26	1	18	6	95	0.00	0.0	5.431	0.109	0	0	0	2
PL.24006	PL.12470	A	4ACSR	14.85Y	123.7	0.00	2.25	0.49	0	7	2	96	0.00	0.0	5.488	0.057	0	0	0	1
442325	PL.24006	A	Consumer	14.85Y	123.7	0.00	2.25	0.49	0	7	2	96	0.00	0.0	5.488	0.000	7	2	1	1
PL.12468	PL.12470	A	4ACSR	14.85Y	123.7	0.00	2.25	0.77	0	11	3	96	0.00	0.0	5.465	0.033	0	0	0	1
PL.6889	PL.12468	A	4ACSR	14.85Y	123.7	0.00	2.25	0.77	0	11	3	96	0.00	0.0	5.531	0.066	0	0	0	1
PL.6890	PL.6889	A	4ACSR	14.85Y	123.7	0.00	2.25	0.00	0	0	0	100	0.00	0.0	5.532	0.001	0	0	0	0
442323	PL.6889	A	Consumer	14.85Y	123.7	0.00	2.25	0.77	0	11	3	96	0.00	0.0	5.531	0.000	11	3	1	1
PL.24004	PL.6895	A	4ACSR	14.85Y	123.8	-0.00	2.25	0.03	0	0	0	100	0.00	0.0	5.307	0.000	0	0	0	1
PL.12473	PL.24004	A	4ACSR	14.85Y	123.8	0.00	2.25	0.03	0	0	0	100	0.00	0.0	5.537	0.230	0	0	0	1
442305	PL.12473	A	Consumer	14.85Y	123.8	0.00	2.25	0.03	0	0	0	100	0.00	0.0	5.537	0.000	0	0	1	1

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

Unbalanced Voltage Drop Report
Source: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.12474	PL.12473	A	4ACSR	14.85Y	123.8	0.00	2.25	0.00	0	0	0	100	0.00	0.0	5.685	0.148	0	0	0	0
PL.24009	PL.12471	A	4ACSR	14.85Y	123.8	0.00	2.24	0.41	0	6	2	95	0.00	0.0	5.094	0.069	0	0	0	1
442441	PL.24009	A	Consumer	14.85Y	123.8	0.00	2.24	0.41	0	6	2	95	0.00	0.0	5.094	0.000	6	2	1	1
442424	PL.27642	A	Consumer	14.85Y	123.8	0.00	2.24	0.00	0	0	0	100	0.00	0.0	4.954	0.000	0	0	1	1
PL.22806	PL.25989	A	4ACSR	14.85Y	123.8	0.00	2.22	1.32	1	19	6	95	0.00	0.0	4.691	0.009	0	0	0	4
PD.364-A	PL.22806	A	Closed	14.85Y	123.8	0.00	2.22	1.32	0	19	6	95	0.00	0.0	4.691	0.000	0	0	0	4
PD.364-B	PD.364-A	A	Closed	14.85Y	123.8	0.00	2.22	1.32	0	19	6	95	0.00	0.0	4.691	0.000	0	0	0	4
PL.22807	PD.364-B	A	4ACSR	14.85Y	123.8	0.00	2.22	1.32	1	19	6	95	0.00	0.0	4.779	0.088	0	0	0	4
PL.22804	PL.22807	A	4ACSR	14.85Y	123.8	0.00	2.23	1.32	1	19	6	95	0.00	0.0	4.856	0.077	0	0	0	4
PL.22805	PL.22804	A	4ACSR	14.85Y	123.8	0.00	2.23	0.74	0	11	3	96	0.00	0.0	4.884	0.028	0	0	0	3
PL.22803	PL.22805	A	4ACSR	14.85Y	123.8	0.00	2.23	0.74	0	10	3	96	0.00	0.0	4.958	0.074	0	0	0	1
442440	PL.22803	A	Consumer	14.85Y	123.8	0.00	2.23	0.74	0	10	3	96	0.00	0.0	4.958	0.000	10	3	1	1
442414	PL.22805	A	Consumer	14.85Y	123.8	0.00	2.23	0.00	0	0	0	100	0.00	0.0	4.884	0.000	0	0	1	1
4424044	PL.22805	A	Consumer	14.85Y	123.8	0.00	2.23	0.00	0	0	0	100	0.00	0.0	4.884	0.000	0	0	1	1
PL.23370	PL.22804	A	4ACSR	14.85Y	123.8	0.00	2.23	0.58	0	8	3	94	0.00	0.0	4.902	0.046	0	0	0	1
442438	PL.23370	A	Consumer	14.85Y	123.8	0.00	2.23	0.58	0	8	3	94	0.00	0.0	4.902	0.000	8	3	1	1
442405	PL.19598	A	Consumer	14.86Y	123.9	0.00	2.13	0.29	0	4	1	97	0.00	0.0	4.416	0.000	4	1	1	1
442404	PL.19598	A	Consumer	14.86Y	123.9	0.00	2.13	0.00	0	0	0	100	0.00	0.0	4.416	0.000	0	0	1	1
PL.45934	PL.22802	A	4ACSR	14.88Y	124.0	0.00	2.02	1.06	1	15	5	95	0.00	0.0	4.098	0.023	0	0	0	7
PD.2674	PL.45934	A	fuse6AMP	14.88Y	124.0	0.00	2.02	1.06	18	15	5	95	0.00	0.0	4.098	0.000	0	0	0	7
PL.45935	PD.2674	A	4ACSR	14.88Y	124.0	0.00	2.02	1.06	1	15	5	95	0.00	0.0	4.112	0.013	0	0	0	7
PL.22312	PL.45935	A	4ACSR	14.88Y	124.0	0.00	2.02	0.08	0	1	0	100	0.00	0.0	4.166	0.054	0	0	0	1
443401	PL.22312	A	Consumer	14.88Y	124.0	0.00	2.02	0.08	0	1	0	100	0.00	0.0	4.166	0.000	1	0	1	1
PL.22744	PL.45935	A	4ACSR	14.88Y	124.0	0.00	2.02	0.98	1	14	4	96	0.00	0.0	4.314	0.202	0	0	0	6
PL.27985	PL.22744	A	4ACSR	14.88Y	124.0	0.00	2.03	0.98	1	14	4	96	0.00	0.0	4.414	0.100	0	0	0	6
PL.23317	PL.27985	A	4ACSR	14.88Y	124.0	0.00	2.03	0.98	1	14	4	96	0.00	0.0	4.470	0.056	0	0	0	6
PL.23310	PL.23317	A	4ACSR	14.88Y	124.0	0.00	2.03	0.65	0	9	3	95	0.00	0.0	4.471	0.002	0	0	0	5
PL.22310	PL.23310	A	4ACSR	14.88Y	124.0	0.00	2.03	0.65	0	9	3	95	0.00	0.0	4.486	0.015	0	0	0	5
PL.22511	PL.22310	A	4ACSR	14.88Y	124.0	0.00	2.03	0.53	0	8	2	97	0.00	0.0	4.567	0.081	0	0	0	3
PL.22512	PL.22511	A	4ACSR	14.88Y	124.0	0.00	2.03	0.02	0	0	0	100	0.00	0.0	4.788	0.221	0	0	0	1
443415	PL.22512	A	Consumer	14.88Y	124.0	0.00	2.03	0.02	0	0	0	100	0.00	0.0	4.788	0.000	0	0	1	1
PL.22509	PL.22511	A	4ACSR	14.88Y	124.0	0.00	2.03	0.51	0	7	2	96	0.00	0.0	4.795	0.228	0	0	0	2
443416	PL.22509	A	Consumer	14.88Y	124.0	0.00	2.03	0.00	0	0	0	100	0.00	0.0	4.795	0.000	0	0	1	1
443404	PL.22509	A	Consumer	14.88Y	124.0	0.00	2.03	0.51	0	7	2	96	0.00	0.0	4.795	0.000	7	2	1	1
PL.22510	PL.22310	A	4ACSR	14.88Y	124.0	0.00	2.03	0.11	0	2	1	89	0.00	0.0	4.558	0.071	0	0	0	2
PL.22818	PL.22510	A	4ACSR	14.88Y	124.0	0.00	2.03	0.00	0	0	0	100	0.00	0.0	4.650	0.092	0	0	0	1
443435	PL.22818	A	Consumer	14.88Y	124.0	0.00	2.03	0.00	0	0	0	100	0.00	0.0	4.650	0.000	0	0	1	1
443402	PL.22510	A	Consumer	14.88Y	124.0	0.00	2.03	0.11	0	2	0	100	0.00	0.0	4.558	0.000	2	0	1	1

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Unbalanced Voltage Drop Report
Source: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
443403	PL.23317	A	Consumer	14.88Y	124.0	0.00	2.03	0.33	0	5	1	98	0.00	0.0	4.470	0.000	5	1	1	1
443438	PL.27985	A	Consumer	14.88Y	124.0	0.00	2.03	0.00	0	0	0	100	0.00	0.0	4.414	0.000	0	0	0	0
PL.45570	PD.2468	A	2ACSR	14.89Y	124.1	0.00	1.94	0.00	0	0	0	100	0.00	0.0	3.947	0.087	0	0	0	0
4434041	PL.45570	A	Consumer	14.89Y	124.1	0.00	1.94	0.00	0	0	0	100	0.00	0.0	3.947	0.000	0	0	0	0
PL.23544	PL.25726	A	4ACSR	14.89Y	124.1	0.00	1.91	0.42	0	6	2	95	0.00	0.0	3.825	0.033	0	0	0	2
443429	PL.23544	A	Consumer	14.89Y	124.1	0.00	1.91	0.05	0	1	0	100	0.00	0.0	3.825	0.000	1	0	1	1
443411	PL.23544	A	Consumer	14.89Y	124.1	0.00	1.91	0.37	0	5	2	93	0.00	0.0	3.825	0.000	5	2	1	1
PL.23313	PL.25726	A	4ACSR	14.89Y	124.1	0.01	1.92	4.19	2	60	19	95	0.00	0.0	3.854	0.062	0	0	0	11
PL.23314	PL.23313	A	4ACSR	14.89Y	124.1	0.00	1.92	2.85	1	40	13	95	0.00	0.0	3.857	0.003	0	0	0	9
PL.23311	PL.23314	A	4ACSR	14.89Y	124.1	0.00	1.93	2.85	1	40	13	95	0.00	0.0	3.931	0.074	0	0	0	9
PL.23312	PL.23311	A	4ACSR	14.89Y	124.1	0.00	1.93	0.94	0	13	4	96	0.00	0.0	4.002	0.071	0	0	0	4
PL.22315	PL.23312	A	4ACSR	14.89Y	124.1	0.00	1.93	0.38	0	5	2	93	0.00	0.0	4.068	0.066	0	0	0	1
443425	PL.22315	A	Consumer	14.89Y	124.1	0.00	1.93	0.38	0	5	2	93	0.00	0.0	4.068	0.000	5	2	1	1
PL.22314	PL.23312	A	4ACSR	14.89Y	124.1	0.00	1.93	0.57	0	8	3	94	0.00	0.0	4.036	0.034	0	0	0	3
443420	PL.22314	A	Consumer	14.89Y	124.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	4.036	0.000	0	0	0	0
443427	PL.22314	A	Consumer	14.89Y	124.1	0.00	1.93	0.43	0	6	2	95	0.00	0.0	4.036	0.000	6	2	1	1
443424	PL.22314	A	Consumer	14.89Y	124.1	0.00	1.93	0.03	0	0	0	100	0.00	0.0	4.036	0.000	0	0	1	1
443419	PL.22314	A	Consumer	14.89Y	124.1	0.00	1.93	0.11	0	2	1	89	0.00	0.0	4.036	0.000	2	1	1	1
443422	PL.23311	A	Consumer	14.89Y	124.1	0.00	1.93	0.34	0	5	2	93	0.00	0.0	3.931	0.000	5	2	1	1
443426	PL.23311	A	Consumer	14.89Y	124.1	0.00	1.93	0.53	0	8	2	97	0.00	0.0	3.931	0.000	8	2	1	1
443432	PL.23311	A	Consumer	14.89Y	124.1	0.00	1.93	0.37	0	5	2	93	0.00	0.0	3.931	0.000	5	2	1	1
443437	PL.23311	A	Consumer	14.89Y	124.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	3.931	0.000	0	0	1	1
443421	PL.23311	A	Consumer	14.89Y	124.1	0.00	1.93	0.66	0	9	3	95	0.00	0.0	3.931	0.000	9	3	1	1
PL.22819	PL.23311	A	4ACSR	14.89Y	124.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	3.994	0.063	0	0	0	0
443436	PL.22819	A	Consumer	14.89Y	124.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	3.994	0.000	0	0	0	0
443433	PL.23313	A	Consumer	14.89Y	124.1	0.00	1.92	0.40	0	6	2	95	0.00	0.0	3.854	0.000	6	2	1	1
443423	PL.23313	A	Consumer	14.89Y	124.1	0.00	1.92	0.95	0	13	4	96	0.00	0.0	3.854	0.000	13	4	1	1
443430	PL.23313	A	Consumer	14.89Y	124.1	0.00	1.92	0.00	0	0	0	100	0.00	0.0	3.854	0.000	0	0	0	0
PL.22503	PL.41481	A	4ACSR	14.91Y	124.3	0.00	1.72	0.67	0	10	3	96	0.00	0.0	3.402	0.022	0	0	0	5
PD.1425	PL.22503	A	fuse6AMP	14.91Y	124.3	0.00	1.72	0.67	12	10	3	96	0.00	0.0	3.402	0.000	0	0	0	5
PL.22502	PD.1425	A	4ACSR	14.91Y	124.3	0.00	1.72	0.67	0	10	3	96	0.00	0.0	3.541	0.139	0	0	0	5
443412	PL.22502	A	Consumer	14.91Y	124.3	0.00	1.72	0.02	0	0	0	100	0.00	0.0	3.541	0.000	0	0	1	1
PL.22501	PL.22502	A	4ACSR	14.91Y	124.3	0.00	1.72	0.34	0	5	1	98	0.00	0.0	3.623	0.081	0	0	0	2
PL.22816	PL.22501	A	4ACSR	14.91Y	124.3	0.00	1.72	0.23	0	3	1	95	0.00	0.0	3.670	0.048	0	0	0	1
443434	PL.22816	A	Consumer	14.91Y	124.3	0.00	1.72	0.23	0	3	1	95	0.00	0.0	3.670	0.000	3	1	1	1
443408	PL.22501	A	Consumer	14.91Y	124.3	0.00	1.72	0.11	0	2	0	100	0.00	0.0	3.623	0.000	2	0	1	1
PL.22469	PL.22502	A	4ACSR	14.91Y	124.3	0.00	1.72	0.32	0	5	1	98	0.00	0.0	3.611	0.070	0	0	0	2
PL.22470	PL.22469	A	4ACSR	14.91Y	124.3	0.00	1.72	0.09	0	1	0	100	0.00	0.0	3.637	0.026	0	0	0	1

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

Unbalanced Voltage Drop Report
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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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
443501	PL.22470	A	Consumer	14.91Y	124.3	0.00	1.72	0.09	0	1	0	100	0.00	0.0	3.637	0.000	1	0	1	1
443414	PL.22469	A	Consumer	14.91Y	124.3	0.00	1.72	0.23	0	3	1	95	0.00	0.0	3.611	0.000	3	1	1	1
4435042	PL.41480	A	Consumer	14.94Y	124.5	0.00	1.50	0.05	0	1	0	100	0.00	0.0	2.941	0.000	1	0	1	1
PL.22800	PL.25723	A	4ACSR	14.95Y	124.6	0.00	1.44	0.38	0	5	2	93	0.00	0.0	2.836	0.017	0	0	0	3
PD.1424	PL.22800	A	fuse6AMP	14.95Y	124.6	0.00	1.44	0.38	7	5	2	93	0.00	0.0	2.836	0.000	0	0	0	3
PL.22801	PD.1424	A	4ACSR	14.95Y	124.6	0.00	1.44	0.38	0	5	2	93	0.00	0.0	2.877	0.040	0	0	0	3
PL.22504	PL.22801	A	4ACSR	14.95Y	124.6	0.00	1.44	0.38	0	5	2	93	0.00	0.0	2.963	0.086	0	0	0	3
PL.44232	PL.22504	A	2ACSR	14.95Y	124.6	0.00	1.44	0.00	0	0	0	100	0.00	0.0	3.039	0.076	0	0	0	0
4435043	PL.44232	A	Consumer	14.95Y	124.6	0.00	1.44	0.00	0	0	0	100	0.00	0.0	3.039	0.000	0	0	0	0
PL.22817	PL.22504	A	4ACSR	14.95Y	124.6	0.00	1.44	0.38	0	5	2	93	0.00	0.0	3.023	0.060	0	0	0	3
PL.23004	PL.22817	A	4ACSR	14.95Y	124.6	0.00	1.44	0.38	0	5	2	93	0.00	0.0	3.034	0.011	0	0	0	3
PL.23003	PL.23004	A	4ACSR	14.95Y	124.6	0.00	1.44	0.38	0	5	2	93	0.00	0.0	3.080	0.046	0	0	0	3
PL.23053	PL.23003	A	4ACSR	14.95Y	124.6	0.00	1.44	0.28	0	4	1	97	0.00	0.0	3.117	0.037	0	0	0	2
PL.43256	PL.23053	A	4ACSR	14.95Y	124.6	0.00	1.44	0.28	0	4	1	97	0.00	0.0	3.154	0.037	0	0	0	2
PL.43257	PL.43256	A	4ACSR	14.95Y	124.6	0.00	1.44	0.28	0	4	1	97	0.00	0.0	3.249	0.095	0	0	0	1
5713004	PL.43257	A	Consumer	14.95Y	124.6	0.00	1.44	0.00	0	0	0	100	0.00	0.0	3.249	0.000	0	0	0	0
571201	PL.43257	A	Consumer	14.95Y	124.6	0.00	1.44	0.00	0	0	0	100	0.00	0.0	3.249	0.000	0	0	0	0
571303	PL.43257	A	Consumer	14.95Y	124.6	0.00	1.44	0.28	0	4	1	97	0.00	0.0	3.249	0.000	4	1	1	1
570201	PL.43256	A	Consumer	14.95Y	124.6	0.00	1.44	0.00	0	0	0	100	0.00	0.0	3.154	0.000	0	0	1	1
5702002	PL.43256	A	Consumer	14.95Y	124.6	0.00	1.44	0.00	0	0	0	100	0.00	0.0	3.154	0.000	0	0	0	0
570102	PL.23003	A	Consumer	14.95Y	124.6	0.00	1.44	0.10	0	1	0	100	0.00	0.0	3.080	0.000	1	0	1	1
PL.18538	PL.11056	A	4ACSR	14.96Y	124.7	0.00	1.30	5.05	3	72	23	95	0.00	0.0	2.553	0.015	0	0	0	18
C PD.1095	PL.18538	A	fuse6AMP	14.96Y	124.7	0.00	1.30	5.05	86	72	23	95	0.00	0.0	2.553	0.000	0	0	0	18 C
PL.18539	PD.1095	A	4ACSR	14.96Y	124.7	0.00	1.30	5.05	3	72	23	95	0.00	0.0	2.569	0.016	0	0	0	18
PL.21578	PL.18539	A	4ACSR	14.96Y	124.7	0.00	1.30	5.05	3	72	23	95	0.00	0.0	2.575	0.006	0	0	0	18
PD.3516	PL.21578	A	25V4E	14.96Y	124.7	0.00	1.30	5.05	20	72	23	95	0.00	0.0	2.575	0.000	0	0	0	18
PL.21589	PD.3516	A	4ACSR	14.96Y	124.7	0.00	1.30	5.05	3	72	23	95	0.00	0.0	2.603	0.028	0	0	0	18
PL.25708	PL.21589	A	4ACSR	14.96Y	124.7	0.02	1.32	4.82	2	69	22	95	0.01	0.0	2.756	0.153	0	0	0	17
PL.22798	PL.25708	A	4ACSR	14.96Y	124.7	0.00	1.32	0.59	0	8	3	94	0.00	0.0	2.764	0.008	0	0	0	1
PD.1423	PL.22798	A	fuse6AMP	14.96Y	124.7	0.00	1.32	0.59	10	8	3	94	0.00	0.0	2.764	0.000	0	0	0	1
PL.22799	PD.1423	A	4ACSR	14.96Y	124.7	0.00	1.32	0.59	0	8	3	94	0.00	0.0	2.786	0.022	0	0	0	1
PL.22797	PL.22799	A	4ACSR	14.96Y	124.7	0.00	1.32	0.59	0	8	3	94	0.00	0.0	2.864	0.077	0	0	0	1
570410	PL.22797	A	Consumer	14.96Y	124.7	0.00	1.32	0.59	0	8	3	94	0.00	0.0	2.864	0.000	8	3	1	1
570408	PL.22797	A	Consumer	14.96Y	124.7	0.00	1.32	0.00	0	0	0	100	0.00	0.0	2.864	0.000	0	0	0	0
PL.22508	PL.25708	A	4ACSR	14.96Y	124.7	0.00	1.32	0.49	0	7	2	96	0.00	0.0	2.833	0.077	0	0	0	2
443524	PL.22508	A	Consumer	14.96Y	124.7	0.00	1.32	0.49	0	7	2	96	0.00	0.0	2.833	0.000	7	2	1	1
443529	PL.22508	A	Consumer	14.96Y	124.7	0.00	1.32	0.00	0	0	0	100	0.00	0.0	2.833	0.000	0	0	1	1
PL.25709	PL.25708	A	4ACSR	14.96Y	124.7	0.00	1.32	3.75	2	54	17	95	0.00	0.0	2.765	0.009	0	0	0	14

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: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.25710	PL.25709	A	4ACSR	14.96Y	124.7	0.01	1.33	3.75	2	54	17	95	0.00	0.0	2.837	0.073	0	0	0	14
PL.25711	PL.25710	A	4ACSR	14.96Y	124.7	0.00	1.33	3.59	2	51	16	95	0.00	0.0	2.856	0.019	0	0	0	13
PL.7521	PL.25711	A	4ACSR	14.96Y	124.7	0.00	1.33	2.62	1	37	12	95	0.00	0.0	2.918	0.062	0	0	0	10
PL.30769	PL.7521	A	4ACSR	14.96Y	124.7	0.00	1.33	0.58	0	8	3	94	0.00	0.0	2.956	0.038	0	0	0	1
5714015	PL.30769	A	Consumer	14.96Y	124.7	0.00	1.33	0.58	0	8	3	94	0.00	0.0	2.956	0.000	8	3	1	1
571410	PL.7521	A	Consumer	14.96Y	124.7	0.00	1.33	0.00	0	0	0	100	0.00	0.0	2.918	0.000	0	0	1	1
571409	PL.7521	A	Consumer	14.96Y	124.7	0.00	1.33	0.00	0	0	0	100	0.00	0.0	2.918	0.000	0	0	1	1
571401	PL.7521	A	Consumer	14.96Y	124.7	0.00	1.33	0.01	0	0	0	100	0.00	0.0	2.918	0.000	0	0	1	1
PL.25712	PL.7521	A	4ACSR	14.96Y	124.7	0.00	1.33	2.03	1	29	9	96	0.00	0.0	2.994	0.076	0	0	0	6
PL.25713	PL.25712	A	4ACSR	14.96Y	124.7	0.00	1.34	2.02	1	29	9	96	0.00	0.0	3.066	0.072	0	0	0	5
PL.25714	PL.25713	A	4ACSR	14.96Y	124.7	0.00	1.34	0.72	0	10	3	96	0.00	0.0	3.121	0.055	0	0	0	2
570502	PL.25714	A	Consumer	14.96Y	124.7	0.00	1.34	0.17	0	2	1	89	0.00	0.0	3.121	0.000	2	1	1	1
570503	PL.25714	A	Consumer	14.96Y	124.7	0.00	1.34	0.55	0	8	2	97	0.00	0.0	3.121	0.000	8	2	1	1
5705005	PL.25713	A	Consumer	14.96Y	124.7	0.00	1.34	0.00	0	0	0	100	0.00	0.0	3.066	0.000	0	0	0	0
570501	PL.25713	A	Consumer	14.96Y	124.7	0.00	1.34	0.66	0	9	3	95	0.00	0.0	3.066	0.000	9	3	1	1
PL.21476	PL.25713	A	4ACSR	14.96Y	124.7	0.00	1.34	0.63	0	9	3	95	0.00	0.0	3.072	0.006	0	0	0	2
PD.2835	PL.21476	A	fuse6AMP	14.96Y	124.7	0.00	1.34	0.63	11	9	3	95	0.00	0.0	3.072	0.000	0	0	0	2
PL.21477	PD.2835	A	4ACSR	14.96Y	124.7	0.00	1.34	0.63	0	9	3	95	0.00	0.0	3.098	0.026	0	0	0	2
PL.3560	PL.21477	A	4ACSR	14.96Y	124.7	0.00	1.34	0.59	0	8	3	94	0.00	0.0	3.114	0.016	0	0	0	1
571506	PL.3560	A	Consumer	14.96Y	124.7	0.00	1.34	0.59	0	8	3	94	0.00	0.0	3.114	0.000	8	3	1	1
571508	PL.21477	A	Consumer	14.96Y	124.7	0.00	1.34	0.05	0	1	0	100	0.00	0.0	3.098	0.000	1	0	1	1
5715010	PL.21477	A	Consumer	14.96Y	124.7	0.00	1.34	0.00	0	0	0	100	0.00	0.0	3.098	0.000	0	0	0	0
571411	PL.25712	A	Consumer	14.96Y	124.7	0.00	1.33	0.00	0	0	0	100	0.00	0.0	2.994	0.000	0	0	0	0
570405	PL.25712	A	Consumer	14.96Y	124.7	0.00	1.33	0.01	0	0	0	100	0.00	0.0	2.994	0.000	0	0	1	1
570407	PL.25711	A	Consumer	14.96Y	124.7	0.00	1.33	0.00	0	0	0	100	0.00	0.0	2.856	0.000	0	0	0	0
570406	PL.25711	A	Consumer	14.96Y	124.7	0.00	1.33	0.63	0	9	3	95	0.00	0.0	2.856	0.000	9	3	1	1
570404	PL.25711	A	Consumer	14.96Y	124.7	0.00	1.33	0.03	0	0	0	100	0.00	0.0	2.856	0.000	0	0	1	1
570409	PL.25711	A	Consumer	14.96Y	124.7	0.00	1.33	0.31	0	4	1	97	0.00	0.0	2.856	0.000	4	1	1	1
570411	PL.25710	A	Consumer	14.96Y	124.7	0.00	1.33	0.16	0	2	1	89	0.00	0.0	2.837	0.000	2	1	1	1
570415	PL.25710	A	Consumer	14.96Y	124.7	0.00	1.33	0.00	0	0	0	100	0.00	0.0	2.837	0.000	0	0	0	0
4435044	PL.21589	A	Consumer	14.96Y	124.7	0.00	1.30	0.00	0	0	0	100	0.00	0.0	2.603	0.000	0	0	0	0
443527	PL.21589	A	Consumer	14.96Y	124.7	0.00	1.30	0.23	0	3	1	95	0.00	0.0	2.603	0.000	3	1	1	1
PL.22225	PL.25701	A	4ACSR	14.98Y	124.8	0.00	1.19	2.49	1	36	11	96	0.00	0.0	2.378	0.012	0	0	0	5
PD.1094	PL.22225	A	fuse6AMP	14.98Y	124.8	0.00	1.19	2.49	43	36	11	96	0.00	0.0	2.378	0.000	0	0	0	5
PL.22226	PD.1094	A	4ACSR	14.98Y	124.8	0.00	1.19	2.49	1	36	11	96	0.00	0.0	2.424	0.046	0	0	0	5
PL.22505	PL.22226	A	4ACSR	14.98Y	124.8	0.01	1.20	2.49	1	36	11	96	0.00	0.0	2.546	0.122	0	0	0	5
PL.22507	PL.22505	A	4ACSR	14.98Y	124.8	0.00	1.20	0.73	0	10	3	96	0.00	0.0	2.634	0.088	0	0	0	1
443520	PL.22507	A	Consumer	14.98Y	124.8	0.00	1.20	0.73	0	10	3	96	0.00	0.0	2.634	0.000	10	3	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: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
443513	PL.22505	A	Consumer	14.98Y	124.8	0.00	1.20	0.47	0	7	2	96	0.00	0.0	2.546	0.000	7	2	1	1	
443517	PL.22505	A	Consumer	14.98Y	124.8	0.00	1.20	0.62	0	9	3	95	0.00	0.0	2.546	0.000	9	3	1	1	
PL.22506	PL.22505	A	4ACSR	14.98Y	124.8	0.00	1.20	0.67	0	10	3	96	0.00	0.0	2.606	0.059	0	0	0	2	
443514	PL.22506	A	Consumer	14.98Y	124.8	0.00	1.20	0.27	0	4	1	97	0.00	0.0	2.606	0.000	4	1	1	1	
443515	PL.22506	A	Consumer	14.98Y	124.8	0.00	1.20	0.40	0	6	2	95	0.00	0.0	2.606	0.000	6	2	1	1	
4425036	PL.6896	A	Consumer	14.98Y	124.8	0.00	1.16	0.00	0	0	0	100	0.00	0.0	2.330	0.000	0	0	0	0	
442534	PL.6896	A	Consumer	14.98Y	124.8	0.00	1.16	0.24	0	3	1	95	0.00	0.0	2.330	0.000	3	1	1	1	
PL.23300	PL.11058	A	4ACSR	14.99Y	124.9	0.00	1.12	1.19	1	17	5	96	0.00	0.0	2.300	0.037	0	0	0	2	
PL.23301	PL.23300	A	4ACSR	14.99Y	124.9	0.00	1.12	0.00	0	0	0	100	0.00	0.0	2.301	0.002	0	0	0	0	
442528	PL.23300	A	Consumer	14.99Y	124.9	0.00	1.12	0.65	0	9	3	95	0.00	0.0	2.300	0.000	9	3	1	1	
442526	PL.23300	A	Consumer	14.99Y	124.9	0.00	1.12	0.55	0	8	2	97	0.00	0.0	2.300	0.000	8	2	1	1	
442619	PL.11053	A	Consumer	14.99Y	124.9	0.00	1.06	0.51	0	7	2	96	0.00	0.0	2.192	0.000	7	2	1	1	
PL.22796	PL.32763	A	4ACSR	15.01Y	125.1	0.00	0.95	0.62	0	9	3	95	0.00	0.0	2.082	0.008	0	0	0	3	
PD.985	PL.22796	A	fuse6AMP	15.01Y	125.1	0.00	0.95	0.62	11	9	3	95	0.00	0.0	2.082	0.000	0	0	0	3	
PL.22224	PD.985	A	4ACSR	15.01Y	125.1	0.00	0.95	0.62	0	9	3	95	0.00	0.0	2.097	0.015	0	0	0	3	
PL.23282	PL.22224	A	4ACSR	15.01Y	125.1	-0.00	0.95	0.01	0	0	0	100	0.00	0.0	2.123	0.026	0	0	0	2	
PL.22231	PL.23282	A	4ACSR	15.01Y	125.1	0.00	0.95	0.01	0	0	0	100	0.00	0.0	2.207	0.084	0	0	0	2	
PL.23194	PL.22231	A	4ACSR	15.01Y	125.1	-0.00	0.95	0.01	0	0	0	100	0.00	0.0	2.220	0.013	0	0	0	1	
PL.23193	PL.23194	A	4ACSR	15.01Y	125.1	-0.00	0.95	0.01	0	0	0	100	0.00	0.0	2.232	0.012	0	0	0	1	
442623	PL.23193	A	Consumer	15.01Y	125.1	0.00	0.95	0.01	0	0	0	100	0.00	0.0	2.232	0.000	0	0	1	1	
PL.22232	PL.22231	A	4ACSR	15.01Y	125.1	0.00	0.95	0.00	0	0	0	100	0.00	0.0	2.406	0.199	0	0	0	1	
442609	PL.22232	A	Consumer	15.01Y	125.1	0.00	0.95	0.00	0	0	0	100	0.00	0.0	2.406	0.000	0	0	0	0	
442617	PL.22232	A	Consumer	15.01Y	125.1	0.00	0.95	0.00	0	0	0	100	0.00	0.0	2.406	0.000	0	0	1	1	
443652	PL.22224	A	Consumer	15.01Y	125.1	0.00	0.95	0.61	0	9	3	95	0.00	0.0	2.097	0.000	9	3	1	1	
443634	PL.32763	A	Consumer	15.01Y	125.1	0.00	0.95	0.05	0	1	0	100	0.00	0.0	2.074	0.000	1	0	1	1	
PL.25721	PL.25955	C	4ACSR	15.06Y	125.5	0.01	0.51	28.57	15	409	135	95	0.02	0.0	1.755	0.011	0	0	0	87	
PD.353-A	PL.25721	C	Closed	15.06Y	125.5	0.00	0.51	28.57	0	409	135	95	0.00	0.0	1.755	0.000	0	0	0	87	
PD.353-B	PD.353-A	C	Closed	15.06Y	125.5	0.00	0.51	28.57	0	409	135	95	0.00	0.0	1.755	0.000	0	0	0	87	
PL.25722	PD.353-B	C	4ACSR	15.06Y	125.5	0.02	0.53	28.57	15	409	135	95	0.07	0.0	1.788	0.034	0	0	0	87	
443649	PL.25722	C	Consumer	15.06Y	125.5	0.00	0.53	0.00	0	0	0	100	0.00	0.0	1.788	0.000	0	0	0	0	
PL.25952	PL.25722	C	4ACSR	15.04Y	125.3	0.14	0.68	28.57	15	408	135	95	0.43	0.1	2.011	0.223	0	0	0	87	
PL.21272	PL.25952	C	4ACSR	15.04Y	125.3	0.00	0.68	0.00	0	0	0	100	0.00	0.0	2.021	0.010	0	0	0	0	
PD.986	PL.21272	C	fuse6AMP	15.04Y	125.3	0.00	0.68	0.00	0	0	0	100	0.00	0.0	2.021	0.000	0	0	0	0	
PL.21271	PD.986	C	4ACSR	15.04Y	125.3	0.00	0.68	0.00	0	0	0	100	0.00	0.0	2.200	0.179	0	0	0	0	
443629	PL.21271	C	Consumer	15.04Y	125.3	0.00	0.68	0.00	0	0	0	100	0.00	0.0	2.200	0.000	0	0	0	0	
PL.25956	PL.25952	C	4ACSR	15.04Y	125.3	0.01	0.69	28.57	15	408	134	95	0.03	0.0	2.025	0.013	0	0	0	87	
PL.25957	PL.25956	C	4ACSR	15.04Y	125.3	0.01	0.70	28.57	15	408	134	95	0.03	0.0	2.039	0.015	0	0	0	87	
C PD.2836	PL.25957	C	fuse6AMP	15.04Y	125.3	0.00	0.70	28.57	488	408	134	95	0.00	0.0	2.039	0.000	0	0	0	87	C

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

Unbalanced Voltage Drop Report
Source: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.25958	PD.2836	C	4ACSR	15.04Y	125.3	0.00	0.70	28.57	15	408	134	95	0.00	0.0	2.041	0.002	0	0	0	87
571507	PL.25958	C	Consumer	15.04Y	125.3	0.00	0.70	0.14	0	2	1	89	0.00	0.0	2.041	0.000	2	1	1	1
571502	PL.25958	C	Consumer	15.04Y	125.3	0.00	0.70	0.00	0	0	0	100	0.00	0.0	2.041	0.000	0	0	0	0
5725002	PL.25958	C	Consumer	15.04Y	125.3	0.00	0.70	0.00	0	0	0	100	0.00	0.0	2.041	0.000	0	0	0	0
PL.25959	PL.25958	C	4ACSR	15.03Y	125.3	0.03	0.73	27.90	14	398	131	95	0.09	0.0	2.090	0.048	0	0	0	85
PL.23002	PL.25959	C	4ACSR	15.03Y	125.3	0.00	0.73	0.43	0	6	2	95	0.00	0.0	2.155	0.066	0	0	0	2
571413	PL.23002	C	Consumer	15.03Y	125.3	0.00	0.73	0.10	0	1	0	100	0.00	0.0	2.155	0.000	1	0	1	1
571408	PL.23002	C	Consumer	15.03Y	125.3	0.00	0.73	0.33	0	5	1	98	0.00	0.0	2.155	0.000	5	1	1	1
PL.25960	PL.25959	C	4ACSR	15.03Y	125.3	0.00	0.73	27.48	14	392	129	95	0.01	0.0	2.094	0.005	0	0	0	83
C PD.2837	PL.25960	C	fuse6AMP	15.03Y	125.3	0.00	0.73	27.48	469	392	129	95	0.00	0.0	2.094	0.000	0	0	0	83 C
PL.25961	PD.2837	C	4ACSR	15.02Y	125.2	0.07	0.80	27.48	14	392	129	95	0.19	0.0	2.199	0.105	0	0	0	83
572501	PL.25961	C	Consumer	15.02Y	125.2	0.00	0.80	0.26	0	4	1	97	0.00	0.0	2.199	0.000	4	1	1	1
572408	PL.25961	C	Consumer	15.02Y	125.2	0.00	0.80	0.32	0	5	1	98	0.00	0.0	2.199	0.000	5	1	1	1
PL.21273	PL.25961	C	4ACSR	15.02Y	125.2	0.00	0.80	1.02	1	14	6	92	0.00	0.0	2.204	0.005	0	0	0	7
PD.2838	PL.21273	C	fuse6AMP	15.02Y	125.2	0.00	0.80	1.02	17	14	6	92	0.00	0.0	2.204	0.000	0	0	0	7
PL.45148	PD.2838	C	4ACSR	15.02Y	125.2	0.00	0.80	1.02	1	14	6	92	0.00	0.0	2.235	0.031	0	0	0	7
5724015	PL.45148	C	Consumer	15.02Y	125.2	0.00	0.80	0.00	0	0	0	100	0.00	0.0	2.235	0.000	0	0	0	0
PL.45149	PL.45148	C	4ACSR	15.02Y	125.2	0.00	0.80	1.02	1	14	6	92	0.00	0.0	2.299	0.065	0	0	0	7
PL.23001	PL.45149	C	4ACSR	15.02Y	125.2	0.00	0.80	0.14	0	2	1	89	0.00	0.0	2.332	0.033	0	0	0	1
PL.23000	PL.23001	C	4ACSR	15.02Y	125.2	0.00	0.80	0.14	0	2	1	89	0.00	0.0	2.356	0.024	0	0	0	1
571301	PL.23000	C	Consumer	15.02Y	125.2	0.00	0.80	0.14	0	2	1	89	0.00	0.0	2.356	0.000	2	1	1	1
5714010	PL.45149	C	Consumer	15.02Y	125.2	0.00	0.80	0.00	0	0	0	100	0.00	0.0	2.299	0.000	0	0	0	0
572402	PL.45149	C	Consumer	15.02Y	125.2	0.00	0.80	0.05	0	1	0	100	0.00	0.0	2.299	0.000	1	0	1	1
572401	PL.45149	C	Consumer	15.02Y	125.2	0.00	0.80	0.11	0	2	1	89	0.00	0.0	2.299	0.000	2	1	1	1
571406	PL.45149	C	Consumer	15.02Y	125.2	0.00	0.80	0.30	0	4	1	97	0.00	0.0	2.299	0.000	4	1	1	1
571414	PL.45149	C	Consumer	15.02Y	125.2	0.00	0.80	0.00	0	0	0	100	0.00	0.0	2.299	0.000	0	0	0	0
571405	PL.45149	C	Consumer	15.02Y	125.2	0.00	0.80	0.31	0	4	2	89	0.00	0.0	2.299	0.000	4	2	1	1
571412	PL.45149	C	Consumer	15.02Y	125.2	0.00	0.80	0.11	0	2	0	100	0.00	0.0	2.299	0.000	1	0	1	2
5714016	571412	C	Consumer	15.02Y	125.2	0.00	0.80	0.00	0	0	0	100	0.00	0.0	2.299	0.000	0	0	0	0
5724014	571412	C	Consumer	15.02Y	125.2	0.00	0.80	0.04	0	1	0	100	0.00	0.0	2.299	0.000	1	0	1	1
PL.25962	PL.25961	C	4ACSR	15.02Y	125.2	0.03	0.83	25.88	13	369	121	95	0.09	0.0	2.253	0.054	0	0	0	74
PL.25963	PL.25962	C	4ACSR	15.02Y	125.2	0.00	0.83	0.03	0	0	0	100	0.00	0.0	2.256	0.003	0	0	0	1
PD.3491	PL.25963	C	fuse6AMP	15.02Y	125.2	0.00	0.83	0.03	1	0	0	100	0.00	0.0	2.256	0.000	0	0	0	1
PL.45660	PD.3491	C	4ACSR	15.02Y	125.2	0.00	0.83	0.03	0	0	0	100	0.00	0.0	2.328	0.071	0	0	0	1
572302	PL.45660	C	Consumer	15.02Y	125.2	0.00	0.83	0.03	0	0	0	100	0.00	0.0	2.328	0.000	0	0	1	1
PL.45661	PL.45660	C	4ACSR	15.02Y	125.2	0.00	0.83	0.00	0	0	0	100	0.00	0.0	2.329	0.001	0	0	0	0
5723005	PL.45661	C	Consumer	15.02Y	125.2	0.00	0.83	0.00	0	0	0	100	0.00	0.0	2.329	0.000	0	0	0	0
PL.7520	PL.25962	C	4ACSR	15.01Y	125.1	0.07	0.89	24.74	13	353	116	95	0.17	0.0	2.371	0.118	0	0	0	69

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Unbalanced Voltage Drop Report
Source: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.7519	PL.7520	C	4ACSR	15.01Y	125.1	0.04	0.94	23.62	12	337	111	95	0.11	0.0	2.451	0.080	0	0	0	65
PL.11822	PL.7519	C	4ACSR	15.01Y	125.0	0.01	0.95	23.62	12	337	111	95	0.03	0.0	2.477	0.026	0	0	0	65
PL.19255	PL.11822	C	4ACSR	15.00Y	125.0	0.03	0.98	21.33	11	304	101	95	0.06	0.0	2.534	0.056	0	0	0	57
PL.19256	PL.19255	C	4ACSR	15.00Y	125.0	0.01	0.99	21.33	11	304	101	95	0.02	0.0	2.553	0.019	0	0	0	57
PL.11827	PL.19256	C	4ACSR	15.00Y	125.0	0.02	1.01	19.92	10	285	91	95	0.04	0.0	2.598	0.045	0	0	0	55
PL.11828	PL.11827	C	4ACSR	15.00Y	125.0	0.03	1.04	19.60	10	280	90	95	0.06	0.0	2.666	0.068	0	0	0	53
PL.107	PL.11828	C	4ACSR	14.99Y	124.9	0.02	1.06	13.71	7	196	63	95	0.03	0.0	2.738	0.072	0	0	0	37
PD.368-A	PL.107	C	Closed	14.99Y	124.9	0.00	1.06	13.71	0	196	63	95	0.00	0.0	2.738	0.000	0	0	0	37
PD.368-B	PD.368-A	C	Closed	14.99Y	124.9	0.00	1.06	13.71	0	196	63	95	0.00	0.0	2.738	0.000	0	0	0	37
PL.20992	PD.368-B	C	4ACSR	14.99Y	124.9	0.01	1.07	13.71	7	196	63	95	0.01	0.0	2.756	0.019	0	0	0	37
4435047	PL.20992	C	Consumer	14.99Y	124.9	0.00	1.07	0.00	0	0	0	100	0.00	0.0	2.756	0.000	0	0	0	0
443503	PL.20992	C	Consumer	14.99Y	124.9	0.00	1.07	0.14	0	2	1	89	0.00	0.0	2.756	0.000	2	1	1	1
PL.20991	PL.20992	C	4ACSR	14.99Y	124.9	0.02	1.08	13.58	7	194	63	95	0.02	0.0	2.813	0.057	0	0	0	36
443508	PL.20991	C	Consumer	14.99Y	124.9	0.00	1.08	0.15	0	2	1	89	0.00	0.0	2.813	0.000	2	1	1	1
PL.13358	PL.20991	C	4ACSR	14.99Y	124.9	0.02	1.11	13.43	7	191	62	95	0.03	0.0	2.884	0.071	0	0	0	35
PL.13357	PL.13358	C	4ACSR	14.99Y	124.9	0.01	1.11	11.68	6	166	54	95	0.01	0.0	2.915	0.031	0	0	0	31
PL.6911	PL.13357	C	4ACSR	14.98Y	124.9	0.03	1.14	11.48	6	164	53	95	0.03	0.0	3.013	0.098	0	0	0	29
PL.23254	PL.6911	C	4ACSR	14.98Y	124.9	0.00	1.14	0.49	0	7	2	96	0.00	0.0	3.023	0.010	0	0	0	1
PD.1430	PL.23254	C	fuse6AMP	14.98Y	124.9	0.00	1.14	0.49	8	7	2	96	0.00	0.0	3.023	0.000	0	0	0	1
PL.23255	PD.1430	C	4ACSR	14.98Y	124.9	0.00	1.14	0.49	0	7	2	96	0.00	0.0	3.123	0.100	0	0	0	1
443521	PL.23255	C	Consumer	14.98Y	124.9	0.00	1.14	0.49	0	7	2	96	0.00	0.0	3.123	0.000	7	2	1	1
443519	PL.6911	C	Consumer	14.98Y	124.9	0.00	1.14	0.95	0	13	6	91	0.00	0.0	3.013	0.000	13	6	1	1
PL.20026	PL.6911	C	4ACSR	14.98Y	124.8	0.02	1.16	10.05	5	144	45	95	0.02	0.0	3.090	0.077	0	0	0	27
444506	PL.20026	C	Consumer	14.98Y	124.8	0.00	1.16	0.11	0	2	0	100	0.00	0.0	3.090	0.000	2	0	1	1
4445038	PL.20026	C	Consumer	14.98Y	124.8	0.00	1.16	0.00	0	0	0	100	0.00	0.0	3.090	0.000	0	0	0	0
PL.20025	PL.20026	C	4ACSR	14.98Y	124.8	0.02	1.17	9.94	5	142	44	96	0.02	0.0	3.169	0.079	0	0	0	26
PL.23256	PL.20025	C	4ACSR	14.98Y	124.8	0.00	1.17	0.93	0	13	4	96	0.00	0.0	3.181	0.012	0	0	0	2
PD.1431	PL.23256	C	fuse6AMP	14.98Y	124.8	0.00	1.17	0.93	16	13	4	96	0.00	0.0	3.181	0.000	0	0	0	2
PL.23257	PD.1431	C	4ACSR	14.98Y	124.8	0.00	1.18	0.93	0	13	4	96	0.00	0.0	3.216	0.034	0	0	0	2
PL.22754	PL.23257	C	4ACSR	14.98Y	124.8	0.00	1.18	0.93	0	13	4	96	0.00	0.0	3.217	0.002	0	0	0	2
444531	PL.22754	C	Consumer	14.98Y	124.8	0.00	1.18	0.69	0	10	3	96	0.00	0.0	3.217	0.000	10	3	1	1
PL.19975	PL.22754	C	4ACSR	14.98Y	124.8	0.00	1.18	0.24	0	3	1	95	0.00	0.0	3.292	0.074	0	0	0	1
444534	PL.19975	C	Consumer	14.98Y	124.8	0.00	1.18	0.24	0	3	1	95	0.00	0.0	3.292	0.000	3	1	1	1
PL.18882	PL.20025	C	4ACSR	14.98Y	124.8	0.01	1.19	9.01	5	129	40	96	0.01	0.0	3.231	0.062	0	0	0	24
PD.2467	PL.18882	C	50V4E	14.98Y	124.8	0.00	1.19	9.01	18	129	40	96	0.00	0.0	3.231	0.000	0	0	0	24
PL.19090	PD.2467	C	4ACSR	14.98Y	124.8	0.00	1.19	9.01	5	129	40	96	0.00	0.0	3.238	0.007	0	0	0	24
PL.19089	PL.19090	C	4ACSR	14.98Y	124.8	0.01	1.20	8.41	4	120	38	95	0.01	0.0	3.304	0.065	0	0	0	23
PL.19112	PL.19089	C	4ACSR	14.98Y	124.8	0.00	1.20	8.29	4	118	37	95	0.00	0.0	3.307	0.003	0	0	0	22

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Unbalanced Voltage Drop Report
Source: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.27664	PL.19112	C	4ACSR	14.97Y	124.7	0.06	1.26	8.29	4	118	37	95	0.05	0.0	3.613	0.306	0	0	0	22
PL.13356	PL.27664	C	4ACSR	14.97Y	124.7	0.02	1.28	8.17	4	117	36	96	0.02	0.0	3.712	0.098	0	0	0	21
PL.13355	PL.13356	C	4ACSR	14.97Y	124.7	0.01	1.28	3.80	2	54	17	95	0.00	0.0	3.784	0.072	0	0	0	12
PD.369-A	PL.13355	C	Closed	14.97Y	124.7	0.00	1.28	3.80	0	54	17	95	0.00	0.0	3.784	0.000	0	0	0	12
PD.369-B	PD.369-A	C	Closed	14.97Y	124.7	0.00	1.28	3.80	0	54	17	95	0.00	0.0	3.784	0.000	0	0	0	12
PL.13354	PD.369-B	C	4ACSR	14.97Y	124.7	0.01	1.29	3.80	2	54	17	95	0.00	0.0	3.863	0.079	0	0	0	12
PL.20972	PL.13354	C	4ACSR	14.97Y	124.7	0.00	1.29	1.11	1	16	5	95	0.00	0.0	3.889	0.026	0	0	0	4
PD.1436	PL.20972	C	fuse6AMP	14.97Y	124.7	0.00	1.29	1.11	19	16	5	95	0.00	0.0	3.889	0.000	0	0	0	4
PL.20973	PD.1436	C	4ACSR	14.96Y	124.7	0.00	1.29	1.11	1	16	5	95	0.00	0.0	3.957	0.069	0	0	0	4
PL.20974	PL.20973	C	4ACSR	14.96Y	124.7	0.00	1.29	1.11	1	16	5	95	0.00	0.0	3.959	0.002	0	0	0	4
PL.20975	PL.20974	C	4ACSR	14.96Y	124.7	0.00	1.29	0.52	0	7	2	96	0.00	0.0	4.066	0.107	0	0	0	3
PL.23387	PL.20975	C	4ACSR	14.96Y	124.7	0.00	1.29	0.01	0	0	0	100	0.00	0.0	4.152	0.087	0	0	0	1
444413	PL.23387	C	Consumer	14.96Y	124.7	0.00	1.29	0.01	0	0	0	100	0.00	0.0	4.152	0.000	0	0	1	1
PL.23388	PL.20975	C	4ACSR	14.96Y	124.7	0.00	1.29	0.51	0	7	2	96	0.00	0.0	4.102	0.037	0	0	0	1
444418	PL.23388	C	Consumer	14.96Y	124.7	0.00	1.29	0.51	0	7	2	96	0.00	0.0	4.102	0.000	7	2	1	1
444409	PL.20975	C	Consumer	14.96Y	124.7	0.00	1.29	0.00	0	0	0	100	0.00	0.0	4.066	0.000	0	0	1	1
444405	PL.20975	C	Consumer	14.96Y	124.7	0.00	1.29	0.00	0	0	0	100	0.00	0.0	4.066	0.000	0	0	0	0
444501	PL.20974	C	Consumer	14.96Y	124.7	0.00	1.29	0.59	0	8	3	94	0.00	0.0	3.959	0.000	8	3	1	1
444511	PL.20974	C	Consumer	14.96Y	124.7	0.00	1.29	0.00	0	0	0	100	0.00	0.0	3.959	0.000	0	0	0	0
PL.13353	PL.13354	C	4ACSR	14.96Y	124.7	0.01	1.30	2.69	1	38	12	95	0.00	0.0	3.996	0.133	0	0	0	8
PL.13352	PL.13353	C	4ACSR	14.96Y	124.7	0.01	1.31	2.29	1	33	10	96	0.00	0.0	4.147	0.151	0	0	0	6
PL.13349	PL.13352	C	4ACSR	14.96Y	124.7	0.00	1.31	2.03	1	29	9	96	0.00	0.0	4.213	0.066	0	0	0	5
PL.13348	PL.13349	C	4ACSR	14.96Y	124.7	0.00	1.31	0.00	0	0	0	100	0.00	0.0	4.425	0.212	0	0	0	0
PL.21183	PL.13348	C	4ACSR	14.96Y	124.7	0.00	1.31	0.00	0	0	0	100	0.00	0.0	4.466	0.040	0	0	0	0
PL.38600	PL.21183	C	4ACSR	14.96Y	124.7	0.00	1.31	0.00	0	0	0	100	0.00	0.0	4.477	0.011	0	0	0	0
PD.7050-B	PL.38600	C	Open	14.96Y	124.7	0.00	1.31	0.00	0	0	0	100	0.00	0.0	4.477	0.000	0	0	0	0
PL.6907	PL.13349	C	4ACSR	14.96Y	124.7	0.00	1.31	2.03	1	29	9	96	0.00	0.0	4.214	0.001	0	0	0	5
444403	PL.6907	C	Consumer	14.96Y	124.7	0.00	1.31	0.52	0	7	2	96	0.00	0.0	4.214	0.000	7	2	1	1
444414	PL.6907	C	Consumer	14.96Y	124.7	0.00	1.31	0.40	0	6	2	95	0.00	0.0	4.214	0.000	6	2	1	1
PL.13350	PL.6907	C	4ACSR	14.96Y	124.7	0.00	1.31	1.11	1	16	5	95	0.00	0.0	4.228	0.014	0	0	0	3
PD.1439	PL.13350	C	fuse6AMP	14.96Y	124.7	0.00	1.31	1.11	19	16	5	95	0.00	0.0	4.228	0.000	0	0	0	3
PL.13351	PD.1439	C	4ACSR	14.96Y	124.7	0.00	1.31	1.11	1	16	5	95	0.00	0.0	4.331	0.103	0	0	0	3
PL.22893	PL.13351	C	4ACSR	14.96Y	124.7	0.00	1.31	1.11	1	16	5	95	0.00	0.0	4.420	0.089	0	0	0	3
PL.22894	PL.22893	C	4ACSR	14.96Y	124.7	0.00	1.32	1.11	1	16	5	95	0.00	0.0	4.489	0.069	0	0	0	3
445520	PL.22894	C	Consumer	14.96Y	124.7	0.00	1.32	0.24	0	3	1	95	0.00	0.0	4.489	0.000	3	1	1	1
445501	PL.22894	C	Consumer	14.96Y	124.7	0.00	1.32	0.81	0	12	4	95	0.00	0.0	4.489	0.000	12	4	1	1
445529	PL.22894	C	Consumer	14.96Y	124.7	0.00	1.32	0.06	0	1	0	100	0.00	0.0	4.489	0.000	1	0	1	1
444406	PL.13352	C	Consumer	14.96Y	124.7	0.00	1.31	0.27	0	4	1	97	0.00	0.0	4.147	0.000	4	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: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
444416	PL.13352	C	Consumer	14.96Y	124.7	0.00	1.31	0.00	0	0	0	100	0.00	0.0	4.147	0.000	0	0	0	0
PL.21068	PL.13353	C	4ACSR	14.96Y	124.7	0.00	1.30	0.25	0	4	1	97	0.00	0.0	4.020	0.024	0	0	0	1
PD.1438	PL.21068	C	fuse6AMP	14.96Y	124.7	0.00	1.30	0.25	4	4	1	97	0.00	0.0	4.020	0.000	0	0	0	1
PL.20969	PD.1438	C	4ACSR	14.96Y	124.7	0.00	1.30	0.25	0	4	1	97	0.00	0.0	4.231	0.212	0	0	0	1
PL.23385	PL.20969	C	4ACSR	14.96Y	124.7	0.00	1.30	0.25	0	4	1	97	0.00	0.0	4.334	0.103	0	0	0	1
444529	PL.23385	C	Consumer	14.96Y	124.7	0.00	1.30	0.25	0	4	1	97	0.00	0.0	4.334	0.000	4	1	1	1
PL.23386	PL.20969	C	4ACSR	14.96Y	124.7	0.00	1.30	0.00	0	0	0	100	0.00	0.0	4.336	0.105	0	0	0	0
PL.22895	PL.23386	C	4ACSR	14.96Y	124.7	0.00	1.30	0.00	0	0	0	100	0.00	0.0	4.575	0.239	0	0	0	0
445502	PL.22895	C	Consumer	14.96Y	124.7	0.00	1.30	0.00	0	0	0	100	0.00	0.0	4.575	0.000	0	0	0	0
PL.24012	PL.23386	C	4ACSR	14.96Y	124.7	0.00	1.30	0.00	0	0	0	100	0.00	0.0	4.336	0.000	0	0	0	0
PL.20970	PL.13353	C	4ACSR	14.96Y	124.7	0.00	1.30	0.15	0	2	1	89	0.00	0.0	4.012	0.016	0	0	0	1
PD.1437	PL.20970	C	fuse6AMP	14.96Y	124.7	0.00	1.30	0.15	2	2	1	89	0.00	0.0	4.012	0.000	0	0	0	1
PL.20971	PD.1437	C	4ACSR	14.96Y	124.7	0.00	1.30	0.15	0	2	1	89	0.00	0.0	4.075	0.063	0	0	0	1
444407	PL.20971	C	Consumer	14.96Y	124.7	0.00	1.30	0.15	0	2	1	89	0.00	0.0	4.075	0.000	2	1	1	1
PL.20983	PL.13356	C	4ACSR	14.97Y	124.7	0.00	1.28	0.77	0	11	3	96	0.00	0.0	3.728	0.016	0	0	0	1
PD.1435	PL.20983	C	fuse6AMP	14.97Y	124.7	0.00	1.28	0.77	13	11	3	96	0.00	0.0	3.728	0.000	0	0	0	1
PL.20984	PD.1435	C	4ACSR	14.97Y	124.7	0.00	1.28	0.77	0	11	3	96	0.00	0.0	3.813	0.085	0	0	0	1
PL.20979	PL.20984	C	4ACSR	14.97Y	124.7	0.00	1.28	0.77	0	11	3	96	0.00	0.0	3.815	0.002	0	0	0	1
444520	PL.20979	C	Consumer	14.97Y	124.7	0.00	1.28	0.00	0	0	0	100	0.00	0.0	3.815	0.000	0	0	0	0
444510	PL.20979	C	Consumer	14.97Y	124.7	0.00	1.28	0.00	0	0	0	100	0.00	0.0	3.815	0.000	0	0	0	0
444502	PL.20979	C	Consumer	14.97Y	124.7	0.00	1.28	0.77	0	11	3	96	0.00	0.0	3.815	0.000	11	3	1	1
PL.20980	PL.20979	C	4ACSR	14.97Y	124.7	0.00	1.28	0.00	0	0	0	100	0.00	0.0	4.016	0.202	0	0	0	0
444514	PL.20980	C	Consumer	14.97Y	124.7	0.00	1.28	0.00	0	0	0	100	0.00	0.0	4.016	0.000	0	0	0	0
PL.20981	PL.13356	C	4ACSR	14.97Y	124.7	0.00	1.28	3.60	2	51	16	95	0.00	0.0	3.724	0.013	0	0	0	8
PD.1434	PL.20981	C	fuse6AMP	14.97Y	124.7	0.00	1.28	3.60	62	51	16	95	0.00	0.0	3.724	0.000	0	0	0	8
PL.20982	PD.1434	C	4ACSR	14.97Y	124.7	0.00	1.28	3.60	2	51	16	95	0.00	0.0	3.767	0.043	0	0	0	8
PL.20976	PL.20982	C	4ACSR	14.96Y	124.7	0.01	1.29	3.17	2	45	14	95	0.00	0.0	3.948	0.181	0	0	0	7
PL.45458	PL.20976	C	4ACSR	14.96Y	124.7	0.00	1.30	1.83	1	26	8	96	0.00	0.0	3.966	0.018	0	0	0	3
PD.8648	PL.45458	C	fuse6AMP	14.96Y	124.7	0.00	1.30	1.83	31	26	8	96	0.00	0.0	3.966	0.000	0	0	0	3
PL.45459	PD.8648	C	4ACSR	14.96Y	124.7	0.00	1.30	1.83	1	26	8	96	0.00	0.0	4.001	0.035	0	0	0	3
PL.27927	PL.45459	C	4ACSR	14.96Y	124.7	0.00	1.30	0.88	0	13	4	96	0.00	0.0	4.059	0.058	0	0	0	2
444525	PL.27927	C	Consumer	14.96Y	124.7	0.00	1.30	0.51	0	7	2	96	0.00	0.0	4.059	0.000	7	2	1	1
PL.20989	PL.27927	C	4ACSR	14.96Y	124.7	0.00	1.30	0.37	0	5	2	93	0.00	0.0	4.136	0.077	0	0	0	1
PL.20990	PL.20989	C	4ACSR	14.96Y	124.7	0.00	1.30	0.00	0	0	0	100	0.00	0.0	4.139	0.003	0	0	0	0
444526	PL.20989	C	Consumer	14.96Y	124.7	0.00	1.30	0.37	0	5	2	93	0.00	0.0	4.136	0.000	5	2	1	1
444527	PL.45459	C	Consumer	14.96Y	124.7	0.00	1.30	0.95	0	14	4	96	0.00	0.0	4.001	0.000	14	4	1	1
444528	PL.20976	C	Consumer	14.96Y	124.7	0.00	1.29	0.61	0	9	3	95	0.00	0.0	3.948	0.000	9	3	1	1
PL.20985	PL.20976	C	4ACSR	14.96Y	124.7	0.00	1.30	0.73	0	10	3	96	0.00	0.0	4.015	0.067	0	0	0	3

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Unbalanced Voltage Drop Report
Source: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.20986	PL.20985	C	4ACSR	14.96Y	124.7	0.00	1.30	0.73	0	10	3	96	0.00	0.0	4.037	0.022	0	0	0	2
PL.23392	PL.20986	C	4ACSR	14.96Y	124.7	0.00	1.30	0.73	0	10	3	96	0.00	0.0	4.118	0.081	0	0	0	2
PL.20987	PL.23392	C	4ACSR	14.96Y	124.7	0.00	1.30	0.73	0	10	3	96	0.00	0.0	4.122	0.003	0	0	0	2
444522	PL.20987	C	Consumer	14.96Y	124.7	0.00	1.30	0.00	0	0	0	100	0.00	0.0	4.122	0.000	0	0	0	0
444530	PL.20987	C	Consumer	14.96Y	124.7	0.00	1.30	0.00	0	0	0	100	0.00	0.0	4.122	0.000	0	0	1	1
PL.20988	PL.20987	C	4ACSR	14.96Y	124.7	0.00	1.30	0.73	0	10	3	96	0.00	0.0	4.179	0.057	0	0	0	1
PL.21687	PL.20988	C	4ACSR	14.96Y	124.7	0.00	1.30	0.73	0	10	3	96	0.00	0.0	4.231	0.052	0	0	0	1
444533	PL.21687	C	Consumer	14.96Y	124.7	0.00	1.30	0.73	0	10	3	96	0.00	0.0	4.231	0.000	10	3	1	1
444417	PL.20985	C	Consumer	14.96Y	124.7	0.00	1.30	0.00	0	0	0	100	0.00	0.0	4.015	0.000	0	0	1	1
PL.22820	PL.20982	C	4ACSR	14.97Y	124.7	0.00	1.28	0.44	0	6	2	95	0.00	0.0	3.869	0.102	0	0	0	1
444536	PL.22820	C	Consumer	14.97Y	124.7	0.00	1.28	0.44	0	6	2	95	0.00	0.0	3.869	0.000	6	2	1	1
PL.20977	PL.27664	C	4ACSR	14.97Y	124.7	0.00	1.26	0.12	0	2	1	89	0.00	0.0	3.636	0.022	0	0	0	1
PD.1433	PL.20977	C	fuse6AMP	14.97Y	124.7	0.00	1.26	0.12	2	2	1	89	0.00	0.0	3.636	0.000	0	0	0	1
PL.20978	PD.1433	C	4ACSR	14.97Y	124.7	0.00	1.26	0.12	0	2	1	89	0.00	0.0	3.743	0.107	0	0	0	1
444503	PL.20978	C	Consumer	14.97Y	124.7	0.00	1.26	0.12	0	2	1	89	0.00	0.0	3.743	0.000	2	1	1	1
PL.23258	PL.19089	C	4ACSR	14.98Y	124.8	0.00	1.20	0.12	0	2	1	89	0.00	0.0	3.315	0.011	0	0	0	1
PD.1432	PL.23258	C	fuse6AMP	14.98Y	124.8	0.00	1.20	0.12	2	2	1	89	0.00	0.0	3.315	0.000	0	0	0	1
PL.23259	PD.1432	C	4ACSR	14.98Y	124.8	0.00	1.20	0.12	0	2	1	89	0.00	0.0	3.379	0.064	0	0	0	1
PL.40589	PL.23259	C	4ACSR	14.98Y	124.8	0.00	1.20	0.00	0	0	0	100	0.00	0.0	3.607	0.228	0	0	0	0
444517	PL.40589	C	Consumer	14.98Y	124.8	0.00	1.20	0.00	0	0	0	100	0.00	0.0	3.607	0.000	0	0	0	0
444505	PL.23259	C	Consumer	14.98Y	124.8	0.00	1.20	0.12	0	2	1	89	0.00	0.0	3.379	0.000	2	1	1	1
444515	PL.19090	C	Consumer	14.98Y	124.8	0.00	1.19	0.60	0	9	3	95	0.00	0.0	3.238	0.000	9	3	1	1
443507	PL.13357	C	Consumer	14.99Y	124.9	0.00	1.11	0.02	0	0	0	100	0.00	0.0	2.915	0.000	0	0	1	1
443504	PL.13357	C	Consumer	14.99Y	124.9	0.00	1.11	0.18	0	3	1	95	0.00	0.0	2.915	0.000	3	1	1	1
PL.20995	PL.13358	C	4ACSR	14.99Y	124.9	0.00	1.11	1.26	1	18	6	95	0.00	0.0	2.892	0.009	0	0	0	3
PD.1429	PL.20995	C	fuse6AMP	14.99Y	124.9	0.00	1.11	1.26	22	18	6	95	0.00	0.0	2.892	0.000	0	0	0	3
PL.20996	PD.1429	C	4ACSR	14.99Y	124.9	0.00	1.11	1.26	1	18	6	95	0.00	0.0	2.983	0.090	0	0	0	3
PL.23393	PL.20996	C	4ACSR	14.99Y	124.9	0.00	1.11	0.88	0	13	4	96	0.00	0.0	3.021	0.038	0	0	0	1
443522	PL.23393	C	Consumer	14.99Y	124.9	0.00	1.11	0.88	0	13	4	96	0.00	0.0	3.021	0.000	13	4	1	1
443505	PL.20996	C	Consumer	14.99Y	124.9	0.00	1.11	0.38	0	5	2	93	0.00	0.0	2.983	0.000	5	2	1	1
443510	PL.20996	C	Consumer	14.99Y	124.9	0.00	1.11	0.01	0	0	0	100	0.00	0.0	2.983	0.000	0	0	1	1
PL.20993	PL.13358	C	4ACSR	14.99Y	124.9	0.00	1.11	0.48	0	7	2	96	0.00	0.0	2.892	0.009	0	0	0	1
PD.1428	PL.20993	C	fuse6AMP	14.99Y	124.9	0.00	1.11	0.48	8	7	2	96	0.00	0.0	2.892	0.000	0	0	0	1
PL.20994	PD.1428	C	4ACSR	14.99Y	124.9	0.00	1.11	0.48	0	7	2	96	0.00	0.0	2.966	0.074	0	0	0	1
4435046	PL.20994	C	Consumer	14.99Y	124.9	0.00	1.11	0.48	0	7	2	96	0.00	0.0	2.966	0.000	0	0	0	1
443523	4435046	C	Consumer	14.99Y	124.9	0.00	1.11	0.48	0	7	2	96	0.00	0.0	2.966	0.000	7	2	1	1
PL.12115	PL.20991	C	4ACSR	14.99Y	124.9	0.00	1.08	0.00	0	0	0	100	0.00	0.0	2.813	0.000	0	0	0	0
PL.201	PL.11828	C	4ACSR	15.00Y	125.0	0.00	1.04	2.20	1	32	10	95	0.00	0.0	2.672	0.006	0	0	0	7

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: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.11829	PL.201	C	4ACSR	15.00Y	125.0	0.00	1.04	2.20	1	32	10	95	0.00	0.0	2.693	0.021	0	0	0	7
PL.11830	PL.11829	C	4ACSR	14.99Y	125.0	0.00	1.04	2.20	1	32	10	95	0.00	0.0	2.738	0.045	0	0	0	7
PL.23384	PL.11830	C	4ACSR	14.99Y	125.0	0.00	1.04	0.00	0	0	0	100	0.00	0.0	2.758	0.020	0	0	0	0
PL.12645	PL.11830	C	4ACSR	14.99Y	125.0	0.00	1.05	2.20	1	32	10	95	0.00	0.0	2.822	0.084	0	0	0	7
PL.22049	PL.12645	C	4ACSR	14.99Y	125.0	0.00	1.05	1.27	1	18	6	95	0.00	0.0	2.833	0.011	0	0	0	3
PD.1427	PL.22049	C	fuse6AMP	14.99Y	125.0	0.00	1.05	1.27	22	18	6	95	0.00	0.0	2.833	0.000	0	0	0	3
PL.22050	PD.1427	C	4ACSR	14.99Y	125.0	0.00	1.05	1.27	1	18	6	95	0.00	0.0	2.858	0.025	0	0	0	3
443530	PL.22050	C	Consumer	14.99Y	125.0	0.00	1.05	0.08	0	1	0	100	0.00	0.0	2.858	0.000	1	0	1	1
443526	PL.22050	C	Consumer	14.99Y	125.0	0.00	1.05	0.50	0	7	2	96	0.00	0.0	2.858	0.000	7	2	1	1
PL.20508	PL.22050	C	4ACSR	14.99Y	125.0	0.00	1.05	0.69	0	10	3	96	0.00	0.0	2.903	0.045	0	0	0	1
443528	PL.20508	C	Consumer	14.99Y	125.0	0.00	1.05	0.69	0	10	3	96	0.00	0.0	2.903	0.000	10	3	1	1
PL.45898	PL.12645	C	4ACSR	14.99Y	125.0	0.00	1.05	0.93	0	13	4	96	0.00	0.0	2.858	0.036	0	0	0	4
PL.45899	PL.45898	C	4ACSR	14.99Y	125.0	0.00	1.05	0.93	0	13	4	96	0.00	0.0	2.902	0.044	0	0	0	4
443541	PL.45899	C	Consumer	14.99Y	125.0	0.00	1.05	0.55	0	8	2	97	0.00	0.0	2.902	0.000	8	2	1	1
PL.6916	PL.45899	C	4ACSR	14.99Y	125.0	0.00	1.05	0.38	0	5	2	93	0.00	0.0	2.999	0.097	0	0	0	3
PL.6912	PL.6916	C	4ACSR	14.99Y	125.0	0.00	1.05	0.00	0	0	0	100	0.00	0.0	3.119	0.120	0	0	0	1
443518	PL.6912	C	Consumer	14.99Y	125.0	0.00	1.05	0.00	0	0	0	100	0.00	0.0	3.119	0.000	0	0	1	1
443511	PL.6916	C	Consumer	14.99Y	125.0	0.00	1.05	0.38	0	5	2	93	0.00	0.0	2.999	0.000	5	2	1	1
443512	PL.6916	C	Consumer	14.99Y	125.0	0.00	1.05	0.00	0	0	0	100	0.00	0.0	2.999	0.000	0	0	1	1
4435045	PL.45898	C	Consumer	14.99Y	125.0	0.00	1.05	0.00	0	0	0	100	0.00	0.0	2.858	0.000	0	0	0	0
PL.23383	PL.11829	C	4ACSR	15.00Y	125.0	0.00	1.04	0.00	0	0	0	100	0.00	0.0	2.729	0.036	0	0	0	0
574105	PL.11828	C	Consumer	15.00Y	125.0	0.00	1.04	0.45	0	6	2	95	0.00	0.0	2.666	0.000	6	2	1	1
PL.19192	PL.11828	C	4ACSR	15.00Y	125.0	0.00	1.04	3.23	2	46	14	96	0.00	0.0	2.702	0.036	0	0	0	8
PL.19193	PL.19192	C	4ACSR	15.00Y	125.0	0.00	1.04	3.22	2	46	14	96	0.00	0.0	2.704	0.002	0	0	0	7
PD.3720	PL.19193	C	25V4E	15.00Y	125.0	0.00	1.04	3.22	13	46	14	96	0.00	0.0	2.704	0.000	0	0	0	7
PL.11831	PD.3720	C	4ACSR	14.99Y	125.0	0.00	1.04	3.22	2	46	14	96	0.00	0.0	2.718	0.014	0	0	0	7
PD.2842	PL.11831	C	fuse6AMP	14.99Y	125.0	0.00	1.04	3.22	55	46	14	96	0.00	0.0	2.718	0.000	0	0	0	7
PL.11832	PD.2842	C	4ACSR	14.99Y	125.0	0.00	1.04	3.22	2	46	14	96	0.00	0.0	2.720	0.002	0	0	0	7
PL.3559	PL.11832	C	4ACSR	14.99Y	125.0	0.00	1.04	1.82	1	26	8	96	0.00	0.0	2.773	0.054	0	0	0	3
PL.3561	PL.3559	C	4ACSR	14.99Y	125.0	0.00	1.05	0.69	0	10	3	96	0.00	0.0	2.809	0.036	0	0	0	1
573114	PL.3561	C	Consumer	14.99Y	125.0	0.00	1.05	0.69	0	10	3	96	0.00	0.0	2.809	0.000	10	3	1	1
PL.22995	PL.3559	C	4ACSR	14.99Y	125.0	0.00	1.05	1.13	1	16	5	95	0.00	0.0	2.819	0.046	0	0	0	2
572101	PL.22995	C	Consumer	14.99Y	125.0	0.00	1.05	0.09	0	1	0	100	0.00	0.0	2.819	0.000	1	0	1	1
573103	PL.22995	C	Consumer	14.99Y	125.0	0.00	1.05	0.00	0	0	0	100	0.00	0.0	2.819	0.000	0	0	0	0
572102	PL.22995	C	Consumer	14.99Y	125.0	0.00	1.05	0.00	0	0	0	100	0.00	0.0	2.819	0.000	0	0	0	0
573109	PL.22995	C	Consumer	14.99Y	125.0	0.00	1.05	1.04	0	15	5	95	0.00	0.0	2.819	0.000	15	5	1	1
PL.22996	PL.11832	C	4ACSR	14.99Y	125.0	0.00	1.04	0.29	0	4	1	97	0.00	0.0	2.756	0.037	0	0	0	2
573107	PL.22996	C	Consumer	14.99Y	125.0	0.00	1.04	0.07	0	1	0	100	0.00	0.0	2.756	0.000	1	0	1	1

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

Unbalanced Voltage Drop Report
Source: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
573101	PL.22996	C	Consumer	14.99Y	125.0	0.00	1.04	0.22	0	3	1	95	0.00	0.0	2.756	0.000	3	1	1	1
PL.11833	PL.11832	C	4ACSR	14.99Y	125.0	0.00	1.04	1.12	1	16	5	95	0.00	0.0	2.737	0.018	0	0	0	2
PL.28687	PL.11833	C	4ACSR	14.99Y	125.0	0.00	1.04	1.12	1	16	5	95	0.00	0.0	2.737	0.000	0	0	0	2
PL.11834	PL.28687	C	4ACSR	14.99Y	125.0	0.00	1.04	1.12	1	16	5	95	0.00	0.0	2.755	0.017	0	0	0	2
PL.7522	PL.11834	C	4ACSR	14.99Y	125.0	0.00	1.04	0.00	0	0	0	100	0.00	0.0	2.783	0.028	0	0	0	0
573113	PL.7522	C	Consumer	14.99Y	125.0	0.00	1.04	0.00	0	0	0	100	0.00	0.0	2.783	0.000	0	0	0	0
573110	PL.7522	C	Consumer	14.99Y	125.0	0.00	1.04	0.00	0	0	0	100	0.00	0.0	2.783	0.000	0	0	0	0
573112	PL.11834	C	Consumer	14.99Y	125.0	0.00	1.04	0.63	0	9	3	95	0.00	0.0	2.755	0.000	9	3	1	1
573111	PL.11834	C	Consumer	14.99Y	125.0	0.00	1.04	0.49	0	7	2	96	0.00	0.0	2.755	0.000	7	2	1	1
PL.29875	PL.28687	C	4ACSR	14.99Y	125.0	0.00	1.04	0.00	0	0	0	100	0.00	0.0	2.740	0.002	0	0	0	0
PD.2843	PL.29875	C	fuse6AMP	14.99Y	125.0	0.00	1.04	0.00	0	0	0	100	0.00	0.0	2.740	0.000	0	0	0	0
PL.29876	PD.2843	C	4ACSR	14.99Y	125.0	0.00	1.04	0.00	0	0	0	100	0.00	0.0	2.746	0.007	0	0	0	0
574106	PL.19192	C	Consumer	15.00Y	125.0	0.00	1.04	0.01	0	0	0	100	0.00	0.0	2.702	0.000	0	0	1	1
574103	PL.11827	C	Consumer	15.00Y	125.0	0.00	1.01	0.20	0	3	1	95	0.00	0.0	2.598	0.000	3	1	1	1
574102	PL.11827	C	Consumer	15.00Y	125.0	0.00	1.01	0.12	0	2	1	89	0.00	0.0	2.598	0.000	2	1	1	1
PL.11825	PL.19256	C	4ACSR	15.00Y	125.0	0.00	0.99	0.00	0	0	0	100	0.00	0.0	2.556	0.003	0	0	0	0
PD.2841	PL.11825	C	fuse6AMP	15.00Y	125.0	0.00	0.99	0.00	0	0	0	100	0.00	0.0	2.556	0.000	0	0	0	0
PL.11826	PD.2841	C	4ACSR	15.00Y	125.0	0.00	0.99	0.00	0	0	0	100	0.00	0.0	2.584	0.028	0	0	0	0
574207	PL.11826	C	Consumer	15.00Y	125.0	0.00	0.99	0.00	0	0	0	100	0.00	0.0	2.584	0.000	0	0	0	0
574204	PL.19256	C	Consumer	15.00Y	125.0	0.00	0.99	1.40	0	19	9	90	0.00	0.0	2.553	0.000	19	9	1	1
574104	PL.19256	C	Consumer	15.00Y	125.0	0.00	0.99	0.02	0	0	0	100	0.00	0.0	2.553	0.000	0	0	1	1
PL.22170	PL.11822	C	4ACSR	15.01Y	125.0	0.00	0.95	1.85	1	27	8	96	0.00	0.0	2.481	0.003	0	0	0	7
PD.2839	PL.22170	C	fuse6AMP	15.01Y	125.0	0.00	0.95	1.85	32	27	8	96	0.00	0.0	2.481	0.000	0	0	0	7
PL.22171	PD.2839	C	4ACSR	15.01Y	125.0	0.00	0.95	1.85	1	27	8	96	0.00	0.0	2.519	0.038	0	0	0	7
PL.22997	PL.22171	C	4ACSR	15.01Y	125.0	0.00	0.95	1.36	1	19	6	95	0.00	0.0	2.547	0.029	0	0	0	3
573207	PL.22997	C	Consumer	15.01Y	125.0	0.00	0.95	0.50	0	7	2	96	0.00	0.0	2.547	0.000	7	2	1	1
573208	PL.22997	C	Consumer	15.01Y	125.0	0.00	0.95	0.66	0	9	3	95	0.00	0.0	2.547	0.000	9	3	1	1
573206	PL.22997	C	Consumer	15.01Y	125.0	0.00	0.95	0.20	0	3	1	95	0.00	0.0	2.547	0.000	3	1	1	1
573204	PL.22171	C	Consumer	15.01Y	125.0	0.00	0.95	0.21	0	3	1	95	0.00	0.0	2.519	0.000	3	1	1	1
573205	PL.22171	C	Consumer	15.01Y	125.0	0.00	0.95	0.00	0	0	0	100	0.00	0.0	2.519	0.000	0	0	1	1
PL.22999	PL.22171	C	4ACSR	15.01Y	125.0	0.00	0.95	0.28	0	4	1	97	0.00	0.0	2.538	0.019	0	0	0	2
PL.22998	PL.22999	C	4ACSR	15.01Y	125.0	0.00	0.95	0.28	0	4	1	97	0.00	0.0	2.566	0.028	0	0	0	2
573202	PL.22998	C	Consumer	15.01Y	125.0	0.00	0.95	0.22	0	3	1	95	0.00	0.0	2.566	0.000	3	1	1	1
573210	PL.22998	C	Consumer	15.01Y	125.0	0.00	0.95	0.06	0	1	0	100	0.00	0.0	2.566	0.000	1	0	1	1
PL.11823	PL.11822	C	4ACSR	15.01Y	125.0	0.00	0.95	0.43	0	6	2	95	0.00	0.0	2.480	0.002	0	0	0	1
PD.2840	PL.11823	C	fuse6AMP	15.01Y	125.0	0.00	0.95	0.43	7	6	2	95	0.00	0.0	2.480	0.000	0	0	0	1
PL.11824	PD.2840	C	4ACSR	15.01Y	125.0	0.00	0.95	0.43	0	6	2	95	0.00	0.0	2.502	0.022	0	0	0	1
574206	PL.11824	C	Consumer	15.01Y	125.0	0.00	0.95	0.43	0	6	2	95	0.00	0.0	2.502	0.000	6	2	1	1

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Unbalanced Voltage Drop Report
Source: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
574205	PL.11824	C	Consumer	15.01Y	125.0	0.00	0.95	0.00	0	0	0	100	0.00	0.0	2.502	0.000	0	0	0	0
573303	PL.7520	C	Consumer	15.01Y	125.1	0.00	0.89	0.38	0	5	2	93	0.00	0.0	2.371	0.000	5	2	1	1
573301	PL.7520	C	Consumer	15.01Y	125.1	0.00	0.89	0.14	0	2	1	89	0.00	0.0	2.371	0.000	2	1	1	1
PL.22168	PL.7520	C	4ACSR	15.01Y	125.1	0.00	0.89	0.61	0	9	3	95	0.00	0.0	2.375	0.004	0	0	0	2
PD.3492	PL.22168	C	fuse6AMP	15.01Y	125.1	0.00	0.89	0.61	10	9	3	95	0.00	0.0	2.375	0.000	0	0	0	2
PL.22169	PD.3492	C	4ACSR	15.01Y	125.1	0.00	0.90	0.61	0	9	3	95	0.00	0.0	2.447	0.072	0	0	0	2
573209	PL.22169	C	Consumer	15.01Y	125.1	0.00	0.90	0.45	0	6	2	95	0.00	0.0	2.447	0.000	6	2	1	1
572301	PL.22169	C	Consumer	15.01Y	125.1	0.00	0.90	0.17	0	2	1	89	0.00	0.0	2.447	0.000	2	1	1	1
573401	PL.25962	C	Consumer	15.02Y	125.2	0.00	0.83	0.90	0	13	4	96	0.00	0.0	2.253	0.000	13	4	1	1
572412	PL.25962	C	Consumer	15.02Y	125.2	0.00	0.83	0.09	0	1	0	100	0.00	0.0	2.253	0.000	1	0	1	1
572411	PL.25962	C	Consumer	15.02Y	125.2	0.00	0.83	0.00	0	0	0	100	0.00	0.0	2.253	0.000	0	0	0	0
572404	PL.25962	C	Consumer	15.02Y	125.2	0.00	0.83	0.12	0	2	1	89	0.00	0.0	2.253	0.000	2	1	1	1
572406	PL.25962	C	Consumer	15.02Y	125.2	0.00	0.83	0.00	0	0	0	100	0.00	0.0	2.253	0.000	0	0	1	1
PL.30315	PL.25958	C	4ACSR	15.04Y	125.3	0.00	0.70	0.52	0	8	2	97	0.00	0.0	2.090	0.048	0	0	0	1
5715009	PL.30315	C	Consumer	15.04Y	125.3	0.00	0.70	0.52	0	8	2	97	0.00	0.0	2.090	0.000	8	2	1	1
443601	PL.25952	C	Consumer	15.04Y	125.3	0.00	0.68	0.00	0	0	0	100	0.00	0.0	2.011	0.000	0	0	0	0
PL.25717	PL.25955	B	4ACSR	15.11Y	125.9	0.00	0.09	4.19	2	60	19	95	0.00	0.0	1.759	0.015	0	0	0	19
PD.351-A	PL.25717	B	Closed	15.11Y	125.9	0.00	0.09	4.19	0	60	19	95	0.00	0.0	1.759	0.000	0	0	0	19
PD.351-B	PD.351-A	B	Closed	15.11Y	125.9	0.00	0.09	4.19	0	60	19	95	0.00	0.0	1.759	0.000	0	0	0	19
PL.25718	PD.351-B	B	4ACSR	15.11Y	125.9	0.00	0.10	4.19	2	60	19	95	0.00	0.0	1.802	0.044	0	0	0	19
PL.25715	PL.25718	B	4ACSR	15.11Y	125.9	0.00	0.10	4.08	2	59	18	96	0.00	0.0	1.805	0.003	0	0	0	17
PL.25716	PL.25715	B	4ACSR	15.10Y	125.9	0.03	0.13	4.08	2	59	18	96	0.01	0.0	2.160	0.355	0	0	0	17
PL.10835	PL.25716	B	4ACSR	15.10Y	125.9	0.01	0.14	3.03	2	44	14	95	0.00	0.0	2.348	0.188	0	0	0	14
PL.10838	PL.10835	B	4ACSR	15.10Y	125.8	0.01	0.15	2.84	1	41	13	95	0.00	0.0	2.516	0.168	0	0	0	13
PL.10839	PL.10838	B	4ACSR	15.10Y	125.8	0.01	0.16	1.53	1	22	7	95	0.00	0.0	2.781	0.264	0	0	0	7
PL.20792	PL.10839	B	4ACSR	15.10Y	125.8	0.01	0.17	1.53	1	22	7	95	0.00	0.0	3.025	0.244	0	0	0	7
PL.20794	PL.20792	B	4ACSR	15.10Y	125.8	0.00	0.17	1.17	1	17	5	96	0.00	0.0	3.044	0.019	0	0	0	3
PD.1090	PL.20794	B	fuse6AMP	15.10Y	125.8	0.00	0.17	1.17	20	17	5	96	0.00	0.0	3.044	0.000	0	0	0	3
PL.20795	PD.1090	B	4ACSR	15.10Y	125.8	0.00	0.17	1.17	1	17	5	96	0.00	0.0	3.114	0.070	0	0	0	3
PL.20793	PL.20795	B	4ACSR	15.10Y	125.8	0.00	0.17	0.16	0	2	1	89	0.00	0.0	3.194	0.080	0	0	0	1
443706	PL.20793	B	Consumer	15.10Y	125.8	0.00	0.17	0.16	0	2	1	89	0.00	0.0	3.194	0.000	2	1	1	1
PL.23345	PL.20795	B	4ACSR	15.10Y	125.8	0.00	0.17	1.02	1	15	5	95	0.00	0.0	3.208	0.094	0	0	0	2
443711	PL.23345	B	Consumer	15.10Y	125.8	0.00	0.17	0.39	0	6	2	95	0.00	0.0	3.208	0.000	6	2	1	1
443713	PL.23345	B	Consumer	15.10Y	125.8	0.00	0.17	0.62	0	9	3	95	0.00	0.0	3.208	0.000	9	3	1	1
443710	PL.23345	B	Consumer	15.10Y	125.8	0.00	0.17	0.00	0	0	0	100	0.00	0.0	3.208	0.000	0	0	0	0
PL.20796	PL.20792	B	4ACSR	15.10Y	125.8	0.00	0.17	0.35	0	5	2	93	0.00	0.0	3.150	0.125	0	0	0	4
PL.20797	PL.20796	B	4ACSR	15.10Y	125.8	0.00	0.17	0.13	0	2	1	89	0.00	0.0	3.167	0.017	0	0	0	2
PD.1091	PL.20797	B	fuse6AMP	15.10Y	125.8	0.00	0.17	0.13	2	2	1	89	0.00	0.0	3.167	0.000	0	0	0	2

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Unbalanced Voltage Drop Report
Source: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.20798	PD.1091	B	4ACSR	15.10Y	125.8	0.00	0.17	0.13	0	2	1	89	0.00	0.0	3.302	0.135	0	0	0	2
PL.23346	PL.20798	B	4ACSR	15.10Y	125.8	0.00	0.17	0.13	0	2	1	89	0.00	0.0	3.337	0.035	0	0	0	1
PL.23329	PL.23346	B	4ACSR	15.10Y	125.8	0.00	0.17	0.13	0	2	1	89	0.00	0.0	3.582	0.245	0	0	0	1
442701	PL.23329	B	Consumer	15.10Y	125.8	0.00	0.17	0.13	0	2	1	89	0.00	0.0	3.582	0.000	2	1	1	1
PL.20799	PL.20798	B	4ACSR	15.10Y	125.8	0.00	0.17	0.00	0	0	0	100	0.00	0.0	3.340	0.038	0	0	0	1
443701	PL.20799	B	Consumer	15.10Y	125.8	0.00	0.17	0.00	0	0	0	100	0.00	0.0	3.340	0.000	0	0	1	1
PL.29030	PL.20796	B	4ACSR	15.10Y	125.8	0.00	0.17	0.22	0	3	1	95	0.00	0.0	3.152	0.001	0	0	0	2
PL.20800	PL.29030	B	4ACSR	15.10Y	125.8	0.00	0.17	0.22	0	3	1	95	0.00	0.0	3.266	0.115	0	0	0	2
PD.1092	PL.20800	B	fuse6AMP	15.10Y	125.8	0.00	0.17	0.22	4	3	1	95	0.00	0.0	3.266	0.000	0	0	0	2
PL.21267	PD.1092	B	4ACSR	15.10Y	125.8	0.00	0.17	0.22	0	3	1	95	0.00	0.0	3.588	0.322	0	0	0	2
PL.10840	PL.21267	B	4ACSR	15.10Y	125.8	0.00	0.17	0.22	0	3	1	95	0.00	0.0	3.680	0.091	0	0	0	2
PL.10841	PL.10840	B	4ACSR	15.10Y	125.8	0.00	0.17	0.04	0	1	0	100	0.00	0.0	3.733	0.053	0	0	0	1
PL.45312	PL.10841	B	4ACSR	15.10Y	125.8	0.00	0.17	0.04	0	1	0	100	0.00	0.0	3.874	0.141	0	0	0	1
PL.45313	PL.45312	B	4ACSR	15.10Y	125.8	0.00	0.17	0.04	0	1	0	100	0.00	0.0	3.928	0.054	0	0	0	1
442703	PL.45313	B	Consumer	15.10Y	125.8	0.00	0.17	0.04	0	1	0	100	0.00	0.0	3.928	0.000	1	0	1	1
442704	PL.45313	B	Consumer	15.10Y	125.8	0.00	0.17	0.00	0	0	0	100	0.00	0.0	3.928	0.000	0	0	0	0
4427006	PL.45312	B	Consumer	15.10Y	125.8	0.00	0.17	0.00	0	0	0	100	0.00	0.0	3.874	0.000	0	0	0	0
442705	PL.10840	B	Consumer	15.10Y	125.8	0.00	0.17	0.18	0	3	1	95	0.00	0.0	3.680	0.000	3	1	1	1
442702	PL.10840	B	Consumer	15.10Y	125.8	0.00	0.17	0.00	0	0	0	100	0.00	0.0	3.680	0.000	0	0	0	0
PL.2563	PL.10838	B	4ACSR	15.10Y	125.8	0.00	0.15	0.00	0	0	0	100	0.00	0.0	2.559	0.043	0	0	0	0
PL.20850	PL.10838	B	4ACSR	15.10Y	125.8	0.00	0.15	1.31	1	19	6	95	0.00	0.0	2.519	0.002	0	0	0	6
PL.20790	PL.20850	B	4ACSR	15.10Y	125.8	0.00	0.15	1.31	1	19	6	95	0.00	0.0	2.525	0.006	0	0	0	6
PD.1089	PL.20790	B	fuse6AMP	15.10Y	125.8	0.00	0.15	1.31	22	19	6	95	0.00	0.0	2.525	0.000	0	0	0	6
PL.20791	PD.1089	B	4ACSR	15.10Y	125.8	0.00	0.15	1.31	1	19	6	95	0.00	0.0	2.547	0.021	0	0	0	6
443646	PL.20791	B	Consumer	15.10Y	125.8	0.00	0.15	0.11	0	2	1	89	0.00	0.0	2.547	0.000	2	1	1	1
443658	PL.20791	B	Consumer	15.10Y	125.8	0.00	0.15	0.19	0	3	1	95	0.00	0.0	2.547	0.000	3	1	1	1
PL.23281	PL.20791	B	4ACSR	15.10Y	125.8	0.00	0.15	1.01	1	15	5	95	0.00	0.0	2.580	0.033	0	0	0	4
443655	PL.23281	B	Consumer	15.10Y	125.8	0.00	0.15	0.15	0	2	1	89	0.00	0.0	2.580	0.000	2	1	1	1
PL.20848	PL.23281	B	4ACSR	15.10Y	125.8	0.00	0.16	0.86	0	12	4	95	0.00	0.0	2.620	0.040	0	0	0	3
PL.20849	PL.20848	B	4ACSR	15.10Y	125.8	0.00	0.16	0.26	0	4	1	97	0.00	0.0	2.726	0.107	0	0	0	1
443709	PL.20849	B	Consumer	15.10Y	125.8	0.00	0.16	0.26	0	4	1	97	0.00	0.0	2.726	0.000	4	1	1	1
443617	PL.20848	B	Consumer	15.10Y	125.8	0.00	0.16	0.13	0	2	1	89	0.00	0.0	2.620	0.000	2	1	1	1
443620	PL.20848	B	Consumer	15.10Y	125.8	0.00	0.16	0.48	0	7	2	96	0.00	0.0	2.620	0.000	7	2	1	1
PL.20844	PL.10835	B	4ACSR	15.10Y	125.9	0.00	0.14	0.19	0	3	1	95	0.00	0.0	2.359	0.011	0	0	0	1
PD.1088	PL.20844	B	fuse6AMP	15.10Y	125.9	0.00	0.14	0.19	3	3	1	95	0.00	0.0	2.359	0.000	0	0	0	1
PL.20845	PD.1088	B	4ACSR	15.10Y	125.9	0.00	0.14	0.19	0	3	1	95	0.00	0.0	2.408	0.049	0	0	0	1
443640	PL.20845	B	Consumer	15.10Y	125.9	0.00	0.14	0.19	0	3	1	95	0.00	0.0	2.408	0.000	3	1	1	1
PL.20842	PL.25716	B	4ACSR	15.10Y	125.9	0.00	0.13	1.05	1	15	5	95	0.00	0.0	2.171	0.011	0	0	0	3

Unbalanced Voltage Drop Report
Source: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.1087	PL.20842	B	fuse6AMP	15.10Y	125.9	0.00	0.13	1.05	18	15	5	95	0.00	0.0	2.171	0.000	0	0	0	3
PL.20843	PD.1087	B	4ACSR	15.10Y	125.9	0.00	0.13	1.05	1	15	5	95	0.00	0.0	2.306	0.135	0	0	0	3
443609	PL.20843	B	Consumer	15.10Y	125.9	0.00	0.13	0.05	0	1	0	100	0.00	0.0	2.306	0.000	1	0	1	1
4436063	PL.20843	B	Consumer	15.10Y	125.9	0.00	0.13	0.76	0	11	3	96	0.00	0.0	2.306	0.000	11	3	1	1
443626	PL.20843	B	Consumer	15.10Y	125.9	0.00	0.13	0.24	0	3	1	95	0.00	0.0	2.306	0.000	3	1	1	1
443627	PL.25718	B	Consumer	15.11Y	125.9	0.00	0.10	0.11	0	2	0	100	0.00	0.0	1.802	0.000	2	0	1	1
443647	PL.25718	B	Consumer	15.11Y	125.9	0.00	0.10	0.00	0	0	0	100	0.00	0.0	1.802	0.000	0	0	1	1
443654	PL.9707	B	Consumer	15.10Y	125.8	0.00	0.15	0.01	0	0	0	100	0.00	0.0	1.054	0.000	0	0	1	1
4446095	PL.44215	B	Consumer	15.10Y	125.8	0.00	0.16	0.00	0	0	0	100	0.00	0.0	0.943	0.000	0	0	0	0
444627	PL.6856	B	Consumer	15.10Y	125.8	0.00	0.17	0.00	0	0	0	100	0.00	0.0	0.761	0.000	0	0	0	0
444602	PL.6856	B	Consumer	15.10Y	125.8	0.00	0.17	0.16	0	2	1	89	0.00	0.0	0.761	0.000	2	1	1	1
444605	PL.6856	B	Consumer	15.10Y	125.8	0.00	0.17	0.08	0	1	0	100	0.00	0.0	0.761	0.000	1	0	1	1
PL.10506	PL.6856	A	4ACSR	15.07Y	125.6	0.00	0.45	4.97	3	71	22	96	0.00	0.0	0.767	0.005	0	0	0	7
C PD.1079	PL.10506	A	fuse6AMP	15.07Y	125.6	0.00	0.45	4.97	85	71	22	96	0.00	0.0	0.767	0.000	0	0	0	7 C
PL.9696	PD.1079	A	4ACSR	15.06Y	125.5	0.01	0.46	4.97	3	71	22	96	0.01	0.0	0.866	0.099	0	0	0	7
PL.39728	PL.9696	A	2ACSR	15.06Y	125.5	0.01	0.47	4.22	2	61	19	95	0.00	0.0	1.008	0.142	0	0	0	6
PL.39730	PL.39728	A	2ACSR	15.06Y	125.5	0.00	0.47	4.22	2	61	19	95	0.00	0.0	1.042	0.034	0	0	0	6
PL.43743	PL.39730	A	2ACSR	15.06Y	125.5	0.00	0.48	3.48	1	50	16	95	0.00	0.0	1.111	0.069	0	0	0	5
4446094	PL.43743	A	Consumer	15.06Y	125.5	0.00	0.48	1.03	0	15	5	95	0.00	0.0	1.111	0.000	15	5	1	1
PL.43744	PL.43743	A	2ACSR	15.06Y	125.5	0.00	0.48	2.45	1	35	11	95	0.00	0.0	1.139	0.028	0	0	0	4
PL.39734	PL.43744	A	2ACSR	15.06Y	125.5	0.00	0.48	1.94	1	28	9	95	0.00	0.0	1.206	0.068	0	0	0	3
444678	PL.39734	A	Consumer	15.06Y	125.5	0.00	0.48	0.05	0	1	0	100	0.00	0.0	1.206	0.000	1	0	1	1
PL.39736	PL.39734	A	2ACSR	15.06Y	125.5	0.00	0.48	1.90	1	27	9	95	0.00	0.0	1.257	0.051	0	0	0	2
4446093	PL.39736	A	Consumer	15.06Y	125.5	0.00	0.48	1.25	0	18	6	95	0.00	0.0	1.257	0.000	18	6	1	1
444688	PL.39736	A	Consumer	15.06Y	125.5	0.00	0.48	0.65	0	9	3	95	0.00	0.0	1.257	0.000	9	3	1	1
PL.39737	PL.39736	A	2ACSR	15.06Y	125.5	0.00	0.48	0.00	0	0	0	100	0.00	0.0	1.291	0.034	0	0	0	0
444687	PL.39737	A	Consumer	15.06Y	125.5	0.00	0.48	0.00	0	0	0	100	0.00	0.0	1.291	0.000	0	0	0	0
4446092	PL.43744	A	Consumer	15.06Y	125.5	0.00	0.48	0.51	0	7	2	96	0.00	0.0	1.139	0.000	7	2	1	1
444666	PL.39730	A	Consumer	15.06Y	125.5	0.00	0.47	0.74	0	11	3	96	0.00	0.0	1.042	0.000	11	3	1	1
444631	PL.9696	A	Consumer	15.06Y	125.5	0.00	0.46	0.75	0	11	3	96	0.00	0.0	0.866	0.000	11	3	1	1
PL.9697	PL.6856	B	4ACSR	15.10Y	125.8	0.00	0.17	2.13	1	31	10	95	0.00	0.0	0.766	0.005	0	0	0	12
PD.1080	PL.9697	B	fuse8AMP	15.10Y	125.8	0.00	0.17	2.13	29	31	10	95	0.00	0.0	0.766	0.000	0	0	0	12
PL.9698	PD.1080	B	4ACSR	15.10Y	125.8	0.00	0.17	2.13	1	31	10	95	0.00	0.0	0.844	0.077	0	0	0	12
444629	PL.9698	B	Consumer	15.10Y	125.8	0.00	0.17	0.00	0	0	0	100	0.00	0.0	0.844	0.000	0	0	0	0
444615	PL.9698	B	Consumer	15.10Y	125.8	0.00	0.17	0.00	0	0	0	100	0.00	0.0	0.844	0.000	0	0	0	0
444626	PL.9698	B	Consumer	15.10Y	125.8	0.00	0.17	0.19	0	3	1	95	0.00	0.0	0.844	0.000	3	1	1	1
PL.9699	PL.9698	B	4ACSR	15.10Y	125.8	0.00	0.18	1.94	1	28	9	95	0.00	0.0	0.939	0.095	0	0	0	11
PL.20840	PL.9699	B	4ACSR	15.10Y	125.8	0.00	0.18	0.29	0	4	1	97	0.00	0.0	0.994	0.054	0	0	0	1

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

Unbalanced Voltage Drop Report
Source: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.20841	PL.20840	B	4ACSR	15.10Y	125.8	0.00	0.18	0.00	0	0	0	100	0.00	0.0	1.046	0.052	0	0	0	0
PL.23339	PL.20840	B	4ACSR	15.10Y	125.8	0.00	0.18	0.29	0	4	1	97	0.00	0.0	1.082	0.088	0	0	0	1
444623	PL.23339	B	Consumer	15.10Y	125.8	0.00	0.18	0.29	0	4	1	97	0.00	0.0	1.082	0.000	4	1	1	1
PL.9700	PL.9699	B	4ACSR	15.10Y	125.8	0.01	0.18	1.65	1	24	7	96	0.00	0.0	1.076	0.137	0	0	0	10
444609	PL.9700	B	Consumer	15.10Y	125.8	0.00	0.18	0.00	0	0	0	100	0.00	0.0	1.076	0.000	0	0	1	1
PL.10836	PL.9700	B	4ACSR	15.10Y	125.8	0.01	0.19	1.65	1	24	7	96	0.00	0.0	1.388	0.313	0	0	0	9
PL.10837	PL.10836	B	4ACSR	15.10Y	125.8	0.00	0.20	1.29	1	19	6	95	0.00	0.0	1.447	0.058	0	0	0	6
PL.6859	PL.10837	B	4ACSR	15.10Y	125.8	0.00	0.20	0.62	0	9	3	95	0.00	0.0	1.518	0.071	0	0	0	4
PL.23342	PL.6859	B	4ACSR	15.10Y	125.8	0.00	0.20	0.15	0	2	1	89	0.00	0.0	1.589	0.072	0	0	0	2
PL.23341	PL.23342	B	4ACSR	15.10Y	125.8	0.00	0.20	0.00	0	0	0	100	0.00	0.0	1.636	0.047	0	0	0	1
443648	PL.23341	B	Consumer	15.10Y	125.8	0.00	0.20	0.00	0	0	0	100	0.00	0.0	1.636	0.000	0	0	1	1
443637	PL.23342	B	Consumer	15.10Y	125.8	0.00	0.20	0.15	0	2	1	89	0.00	0.0	1.589	0.000	2	1	1	1
PL.6858	PL.6859	B	4ACSR	15.10Y	125.8	0.00	0.20	0.46	0	7	2	96	0.00	0.0	1.553	0.035	0	0	0	2
443622	PL.6858	B	Consumer	15.10Y	125.8	0.00	0.20	0.00	0	0	0	100	0.00	0.0	1.553	0.000	0	0	1	1
443645	PL.6858	B	Consumer	15.10Y	125.8	0.00	0.20	0.46	0	7	2	96	0.00	0.0	1.553	0.000	7	2	1	1
443642	PL.6858	B	Consumer	15.10Y	125.8	0.00	0.20	0.00	0	0	0	100	0.00	0.0	1.553	0.000	0	0	0	0
443708	PL.10837	B	Consumer	15.10Y	125.8	0.00	0.20	0.41	0	6	2	95	0.00	0.0	1.447	0.000	6	2	1	1
443612	PL.10837	B	Consumer	15.10Y	125.8	0.00	0.20	0.26	0	4	1	97	0.00	0.0	1.447	0.000	4	1	1	1
443624	PL.10837	B	Consumer	15.10Y	125.8	0.00	0.20	0.00	0	0	0	100	0.00	0.0	1.447	0.000	0	0	0	0
PL.23166	PL.10836	B	4ACSR	15.10Y	125.8	0.00	0.20	0.35	0	5	2	93	0.00	0.0	1.574	0.186	0	0	0	3
443712	PL.23166	B	Consumer	15.10Y	125.8	0.00	0.20	0.04	0	1	0	100	0.00	0.0	1.574	0.000	1	0	1	1
443702	PL.23166	B	Consumer	15.10Y	125.8	0.00	0.20	0.31	0	5	1	98	0.00	0.0	1.574	0.000	5	1	1	1
PL.20846	PL.23166	B	4ACSR	15.10Y	125.8	0.00	0.20	0.00	0	0	0	100	0.00	0.0	1.584	0.010	0	0	0	1
PL.20847	PL.20846	B	4ACSR	15.10Y	125.8	0.00	0.20	0.00	0	0	0	100	0.00	0.0	1.739	0.155	0	0	0	1
PL.32761	PL.20847	B	4ACSR	15.10Y	125.8	0.00	0.20	0.00	0	0	0	100	0.00	0.0	1.807	0.068	0	0	0	1
443714	PL.32761	B	Consumer	15.10Y	125.8	0.00	0.20	0.00	0	0	0	100	0.00	0.0	1.807	0.000	0	0	1	1
PL.23340	PL.20846	B	4ACSR	15.10Y	125.8	0.00	0.20	0.00	0	0	0	100	0.00	0.0	1.697	0.113	0	0	0	0
444620	PL.46546	B	Consumer	15.10Y	125.8	0.00	0.17	0.00	0	0	0	100	0.00	0.0	0.726	0.000	0	0	1	1
444606	PL.46546	B	Consumer	15.10Y	125.8	0.00	0.17	0.02	0	0	0	100	0.00	0.0	0.726	0.000	0	0	1	1
444611	PL.46546	B	Consumer	15.10Y	125.8	0.00	0.17	0.36	0	5	2	93	0.00	0.0	0.726	0.000	5	2	1	1
PL.25906	PL.25904	B	4ACSR	15.10Y	125.8	0.00	0.18	5.52	3	80	25	95	0.00	0.0	0.554	0.002	0	0	0	10
PD.983	PL.25906	B	fuse10AMP	15.10Y	125.8	0.00	0.18	5.52	58	80	25	95	0.00	0.0	0.554	0.000	0	0	0	10
PL.21260	PD.983	B	4ACSR	15.10Y	125.8	0.00	0.18	5.52	3	80	25	95	0.00	0.0	0.576	0.023	0	0	0	10
444656	PL.21260	B	Consumer	15.10Y	125.8	0.00	0.18	0.28	0	4	1	97	0.00	0.0	0.576	0.000	4	1	1	1
PL.45953	PL.21260	B	4ACSR	15.10Y	125.8	0.00	0.19	5.24	3	75	24	95	0.00	0.0	0.600	0.024	0	0	0	9
PL.45954	PL.45953	B	4ACSR	15.10Y	125.8	0.00	0.19	5.24	3	75	24	95	0.00	0.0	0.626	0.026	0	0	0	9
444655	PL.45954	B	Consumer	15.10Y	125.8	0.00	0.19	0.00	0	0	0	100	0.00	0.0	0.626	0.000	0	0	0	0
PL.45951	PL.45954	B	4ACSR	15.10Y	125.8	0.00	0.19	5.24	3	75	24	95	0.00	0.0	0.626	0.000	0	0	0	9

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: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.45952	PL.45951	B	4ACSR	15.10Y	125.8	0.01	0.20	5.24	3	75	24	95	0.00	0.0	0.677	0.051	0	0	0	9
4446096	PL.45952	B	Consumer	15.10Y	125.8	0.00	0.20	0.00	0	0	0	100	0.00	0.0	0.677	0.000	0	0	0	0
PL.21262	PL.45952	B	4ACSR	15.10Y	125.8	0.00	0.20	5.24	3	75	24	95	0.00	0.0	0.704	0.027	0	0	0	9
PL.23289	PL.21262	B	4ACSR	15.10Y	125.8	0.01	0.21	3.97	2	57	18	95	0.00	0.0	0.789	0.084	0	0	0	7
PL.23290	PL.23289	B	4ACSR	15.09Y	125.8	0.01	0.21	3.36	2	48	15	95	0.00	0.0	0.873	0.084	0	0	0	6
444673	PL.23290	B	Consumer	15.09Y	125.8	0.00	0.21	0.00	0	0	0	100	0.00	0.0	0.873	0.000	0	0	0	0
PL.23291	PL.23290	B	4ACSR	15.09Y	125.8	0.01	0.22	3.36	2	48	15	95	0.00	0.0	0.946	0.073	0	0	0	6
PL.21263	PL.23291	B	4ACSR	15.09Y	125.8	0.00	0.22	2.79	1	40	13	95	0.00	0.0	0.987	0.041	0	0	0	5
PL.21264	PL.21263	B	4ACSR	15.09Y	125.8	0.00	0.23	2.79	1	40	13	95	0.00	0.0	1.048	0.060	0	0	0	5
444643	PL.21264	B	Consumer	15.09Y	125.8	0.00	0.23	0.73	0	10	3	96	0.00	0.0	1.048	0.000	10	3	1	1
PL.21265	PL.21264	B	4ACSR	15.09Y	125.8	0.00	0.23	2.07	1	30	9	96	0.00	0.0	1.095	0.048	0	0	0	4
PL.23285	PL.21265	B	4ACSR	15.09Y	125.8	0.00	0.23	1.26	1	18	6	95	0.00	0.0	1.144	0.049	0	0	0	3
444726	PL.23285	B	Consumer	15.09Y	125.8	0.00	0.23	0.26	0	4	1	97	0.00	0.0	1.144	0.000	4	1	1	1
444722	PL.23285	B	Consumer	15.09Y	125.8	0.00	0.23	0.00	0	0	0	100	0.00	0.0	1.144	0.000	0	0	0	0
PL.23286	PL.23285	B	4ACSR	15.09Y	125.8	0.00	0.23	0.52	0	7	2	96	0.00	0.0	1.281	0.137	0	0	0	1
444721	PL.23286	B	Consumer	15.09Y	125.8	0.00	0.23	0.52	0	7	2	96	0.00	0.0	1.281	0.000	7	2	1	1
PL.23349	PL.23285	B	4ACSR	15.09Y	125.8	0.00	0.23	0.47	0	7	2	96	0.00	0.0	1.176	0.032	0	0	0	1
444727	PL.23349	B	Consumer	15.09Y	125.8	0.00	0.23	0.00	0	0	0	100	0.00	0.0	1.176	0.000	0	0	0	0
444723	PL.23349	B	Consumer	15.09Y	125.8	0.00	0.23	0.47	0	7	2	96	0.00	0.0	1.176	0.000	7	2	1	1
PL.23350	PL.21265	B	4ACSR	15.09Y	125.8	0.00	0.23	0.81	0	12	4	95	0.00	0.0	1.175	0.080	0	0	0	1
444659	PL.23350	B	Consumer	15.09Y	125.8	0.00	0.23	0.81	0	12	4	95	0.00	0.0	1.175	0.000	12	4	1	1
PL.23348	PL.21263	B	4ACSR	15.09Y	125.8	0.00	0.22	0.00	0	0	0	100	0.00	0.0	1.040	0.053	0	0	0	0
444720	PL.23348	B	Consumer	15.09Y	125.8	0.00	0.22	0.00	0	0	0	100	0.00	0.0	1.040	0.000	0	0	0	0
444641	PL.23291	B	Consumer	15.09Y	125.8	0.00	0.22	0.57	0	8	3	94	0.00	0.0	0.946	0.000	8	3	1	1
444676	PL.23289	B	Consumer	15.10Y	125.8	0.00	0.21	0.00	0	0	0	100	0.00	0.0	0.789	0.000	0	0	0	0
444647	PL.23289	B	Consumer	15.10Y	125.8	0.00	0.21	0.00	0	0	0	100	0.00	0.0	0.789	0.000	0	0	0	0
4446101	PL.23289	B	Consumer	15.10Y	125.8	0.00	0.21	0.00	0	0	0	100	0.00	0.0	0.789	0.000	0	0	0	0
PL.23351	PL.23289	B	4ACSR	15.10Y	125.8	0.00	0.21	0.61	0	9	3	95	0.00	0.0	0.847	0.058	0	0	0	1
4446099	PL.23351	B	Consumer	15.10Y	125.8	0.00	0.21	0.00	0	0	0	100	0.00	0.0	0.847	0.000	0	0	0	0
444677	PL.23351	B	Consumer	15.10Y	125.8	0.00	0.21	0.61	0	9	3	95	0.00	0.0	0.847	0.000	9	3	1	1
444672	PL.23351	B	Consumer	15.10Y	125.8	0.00	0.21	0.00	0	0	0	100	0.00	0.0	0.847	0.000	0	0	0	0
444662	PL.21262	B	Consumer	15.10Y	125.8	0.00	0.20	0.74	0	11	3	96	0.00	0.0	0.704	0.000	11	3	1	1
444658	PL.21262	B	Consumer	15.10Y	125.8	0.00	0.20	0.53	0	8	2	97	0.00	0.0	0.704	0.000	8	2	1	1
4446102	PL.45951	B	Consumer	15.10Y	125.8	0.00	0.19	0.00	0	0	0	100	0.00	0.0	0.626	0.000	0	0	0	0
444669	PL.45953	B	Consumer	15.10Y	125.8	0.00	0.19	0.00	0	0	0	100	0.00	0.0	0.600	0.000	0	0	0	0
444664	PL.25903	C	Consumer	15.09Y	125.8	0.00	0.24	0.75	0	10	5	89	0.00	0.0	0.477	0.000	10	5	1	1
PL.10125	PL.10124	B	4ACSR	15.10Y	125.8	0.00	0.18	8.07	4	116	36	96	0.00	0.0	0.450	0.004	0	0	0	17
C PD.982	PL.10125	B	fuse10AMP	15.10Y	125.8	0.00	0.18	8.07	84	116	36	96	0.00	0.0	0.450	0.000	0	0	0	17 C

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

Unbalanced Voltage Drop Report
Source: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.25902	PD.982	B	4ACSR	15.10Y	125.8	0.01	0.20	8.07	4	116	36	96	0.01	0.0	0.516	0.066	0	0	0	17
PL.10126	PL.25902	B	4ACSR	15.10Y	125.8	0.01	0.20	7.55	4	109	34	95	0.00	0.0	0.552	0.036	0	0	0	15
PL.6866	PL.10126	B	4ACSR	15.10Y	125.8	0.00	0.21	7.55	4	109	34	95	0.00	0.0	0.580	0.028	0	0	0	15
PL.6867	PL.6866	B	4ACSR	15.09Y	125.8	0.01	0.22	7.55	4	109	34	95	0.01	0.0	0.636	0.056	0	0	0	15
444636	PL.6867	B	Consumer	15.09Y	125.8	0.00	0.22	0.56	0	8	3	94	0.00	0.0	0.636	0.000	8	3	1	1
PL.2562	PL.6867	B	4ACSR	15.09Y	125.8	0.00	0.22	0.94	0	13	4	96	0.00	0.0	0.674	0.038	0	0	0	2
444671	PL.2562	B	Consumer	15.09Y	125.8	0.00	0.22	0.01	0	0	0	100	0.00	0.0	0.674	0.000	0	0	1	1
444651	PL.2562	B	Consumer	15.09Y	125.8	0.00	0.22	0.93	0	13	4	96	0.00	0.0	0.674	0.000	13	4	1	1
PL.2301	PL.6867	B	4ACSR	15.09Y	125.8	0.01	0.22	6.06	3	87	27	96	0.00	0.0	0.684	0.048	0	0	0	12
PL.2561	PL.2301	B	4ACSR	15.09Y	125.8	0.01	0.24	6.06	3	87	27	96	0.01	0.0	0.776	0.092	0	0	0	12
PL.2298	PL.2561	B	4ACSR	15.09Y	125.8	0.00	0.24	2.87	1	41	13	95	0.00	0.0	0.804	0.028	0	0	0	5
PL.2299	PL.2298	B	4ACSR	15.09Y	125.8	0.00	0.24	0.75	0	11	3	96	0.00	0.0	0.857	0.053	0	0	0	2
444654	PL.2299	B	Consumer	15.09Y	125.8	0.00	0.24	0.42	0	6	2	95	0.00	0.0	0.857	0.000	6	2	1	1
444670	PL.2299	B	Consumer	15.09Y	125.8	0.00	0.24	0.33	0	5	1	98	0.00	0.0	0.857	0.000	5	1	1	1
444652	PL.2298	B	Consumer	15.09Y	125.8	0.00	0.24	0.80	0	12	4	95	0.00	0.0	0.804	0.000	12	4	1	1
444686	PL.2298	B	Consumer	15.09Y	125.8	0.00	0.24	0.58	0	8	3	94	0.00	0.0	0.804	0.000	8	3	1	1
444668	PL.2298	B	Consumer	15.09Y	125.8	0.00	0.24	0.74	0	11	3	96	0.00	0.0	0.804	0.000	11	3	1	1
PL.2302	PL.2561	B	4ACSR	15.09Y	125.8	0.00	0.24	1.31	1	19	6	95	0.00	0.0	0.846	0.070	0	0	0	2
444667	PL.2302	B	Consumer	15.09Y	125.8	0.00	0.24	0.80	0	12	4	95	0.00	0.0	0.846	0.000	12	4	1	1
444645	PL.2302	B	Consumer	15.09Y	125.8	0.00	0.24	0.51	0	7	2	96	0.00	0.0	0.846	0.000	7	2	1	1
444663	PL.2561	B	Consumer	15.09Y	125.8	0.00	0.24	0.25	0	4	1	97	0.00	0.0	0.776	0.000	4	1	1	1
444660	PL.2561	B	Consumer	15.09Y	125.8	0.00	0.24	0.44	0	6	2	95	0.00	0.0	0.776	0.000	6	2	1	1
PL.2560	PL.2561	B	4ACSR	15.09Y	125.8	0.00	0.24	1.20	1	17	5	96	0.00	0.0	0.881	0.105	0	0	0	3
444649	PL.2560	B	Consumer	15.09Y	125.8	0.00	0.24	0.10	0	1	0	100	0.00	0.0	0.881	0.000	1	0	1	1
444648	PL.2560	B	Consumer	15.09Y	125.8	0.00	0.24	0.85	0	12	4	95	0.00	0.0	0.881	0.000	12	4	1	1
444684	PL.2560	B	Consumer	15.09Y	125.8	0.00	0.24	0.24	0	4	1	97	0.00	0.0	0.881	0.000	4	1	1	1
444632	PL.25902	B	Consumer	15.10Y	125.8	0.00	0.20	0.00	0	0	0	100	0.00	0.0	0.516	0.000	0	0	0	0
444690	PL.25902	B	Consumer	15.10Y	125.8	0.00	0.20	0.39	0	6	2	95	0.00	0.0	0.516	0.000	6	2	1	1
444640	PL.25902	B	Consumer	15.10Y	125.8	0.00	0.20	0.13	0	2	1	89	0.00	0.0	0.516	0.000	2	1	1	1
4446098	444640	B	Consumer	15.10Y	125.8	0.00	0.20	0.00	0	0	0	100	0.00	0.0	0.516	0.000	0	0	0	0
PL.21259	PL.10117	B	4ACSR	15.10Y	125.8	0.00	0.18	1.84	1	27	8	96	0.00	0.0	0.192	0.007	0	0	0	3
PD.2458	PL.21259	B	50V4E	15.10Y	125.8	0.00	0.18	1.84	4	27	8	96	0.00	0.0	0.192	0.000	0	0	0	3
PL.21266	PD.2458	B	4ACSR	15.10Y	125.8	0.01	0.18	1.84	1	27	8	96	0.00	0.0	0.346	0.154	0	0	0	3
PL.21073	PL.21266	B	4ACSR	15.10Y	125.8	0.00	0.18	0.30	0	4	1	97	0.00	0.0	0.428	0.082	0	0	0	1
PL.23343	PL.21073	B	4ACSR	15.10Y	125.8	0.00	0.18	0.30	0	4	1	97	0.00	0.0	0.464	0.036	0	0	0	1
444610	PL.23343	B	Consumer	15.10Y	125.8	0.00	0.18	0.30	0	4	1	97	0.00	0.0	0.464	0.000	4	1	1	1
PL.21075	PL.21073	B	4ACSR	15.10Y	125.8	0.00	0.18	0.00	0	0	0	100	0.00	0.0	0.495	0.067	0	0	0	0
444680	PL.21075	B	Consumer	15.10Y	125.8	0.00	0.18	0.00	0	0	0	100	0.00	0.0	0.495	0.000	0	0	0	0

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Unbalanced Voltage Drop Report
Source: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
444681	PL.21075	B	Consumer	15.10Y	125.8	0.00	0.18	0.00	0	0	0	100	0.00	0.0	0.495	0.000	0	0	0	0
PL.20837	PL.21075	B	4ACSR	15.10Y	125.8	0.00	0.18	0.00	0	0	0	100	0.00	0.0	0.531	0.036	0	0	0	0
444682	PL.20837	B	Consumer	15.10Y	125.8	0.00	0.18	0.00	0	0	0	100	0.00	0.0	0.531	0.000	0	0	0	0
444683	PL.20837	B	Consumer	15.10Y	125.8	0.00	0.18	0.00	0	0	0	100	0.00	0.0	0.531	0.000	0	0	0	0
PL.21074	PL.21073	B	4ACSR	15.10Y	125.8	0.00	0.18	0.00	0	0	0	100	0.00	0.0	0.527	0.099	0	0	0	0
PL.23284	PL.21266	B	4ACSR	15.10Y	125.8	0.00	0.19	1.54	1	22	7	95	0.00	0.0	0.454	0.108	0	0	0	2
444642	PL.23284	B	Consumer	15.10Y	125.8	0.00	0.19	0.62	0	9	3	95	0.00	0.0	0.454	0.000	9	3	1	1
444639	PL.23284	B	Consumer	15.10Y	125.8	0.00	0.19	0.00	0	0	0	100	0.00	0.0	0.454	0.000	0	0	0	0
PL.20743	PL.23284	B	4ACSR	15.10Y	125.8	0.00	0.19	0.92	0	13	4	96	0.00	0.0	0.481	0.027	0	0	0	1
444657	PL.20743	B	Consumer	15.10Y	125.8	0.00	0.19	0.00	0	0	0	100	0.00	0.0	0.481	0.000	0	0	0	0
PL.21069	PL.20743	B	4ACSR	15.10Y	125.8	0.00	0.19	0.92	0	13	4	96	0.00	0.0	0.542	0.061	0	0	0	1
PL.21070	PL.21069	B	4ACSR	15.10Y	125.8	0.00	0.19	0.92	0	13	4	96	0.00	0.0	0.604	0.062	0	0	0	1
PL.21071	PL.21070	B	4ACSR	15.10Y	125.8	0.00	0.19	0.92	0	13	4	96	0.00	0.0	0.624	0.020	0	0	0	1
444638	PL.21071	B	Consumer	15.10Y	125.8	0.00	0.19	0.00	0	0	0	100	0.00	0.0	0.624	0.000	0	0	0	0
PL.21072	PL.21071	B	4ACSR	15.10Y	125.8	0.00	0.19	0.92	0	13	4	96	0.00	0.0	0.735	0.111	0	0	0	1
444653	PL.21072	B	Consumer	15.10Y	125.8	0.00	0.19	0.92	0	13	4	96	0.00	0.0	0.735	0.000	13	4	1	1
444674	PL.21069	B	Consumer	15.10Y	125.8	0.00	0.19	0.00	0	0	0	100	0.00	0.0	0.542	0.000	0	0	0	0
PL.29103	BLEVINS VALLEY	A	336ACSR	7.56Y	126.0	0.00	0.00	72.33	10	546	25	100	0.01	0.0	0.002	0.002	0	0	0	118
		B		7.56Y	126.0	0.00	0.00	101.94	14	764	99	99					0	0	0	162
		C		7.56Y	126.0	0.00	0.00	99.79	14	745	117	99					0	0	0	141
PL.46600	PL.29103	A	336ACSR	7.56Y	126.0	0.00	0.00	72.33	10	546	25	100	0.01	0.0	0.003	0.001	0	0	0	118
		B		7.56Y	126.0	0.00	0.00	101.94	14	764	99	99					0	0	0	162
		C		7.56Y	126.0	0.00	0.00	99.79	14	745	117	99					0	0	0	141
PL.46601	PL.46600	A	336ACSR	7.56Y	126.0	0.00	0.00	72.33	10	546	25	100	0.00	0.0	0.003	0.000	0	0	0	118
		B		7.56Y	126.0	0.00	0.00	101.94	14	764	99	99					0	0	0	162
		C		7.56Y	126.0	0.00	0.00	99.79	14	745	117	99					0	0	0	141
PL.46597	PL.46601	A	336ACSR	7.56Y	126.0	0.00	0.00	72.33	10	546	25	100	0.03	0.0	0.008	0.005	0	0	0	118
		B		7.56Y	126.0	0.00	0.01	101.94	14	764	99	99					0	0	0	162
		C		7.56Y	126.0	0.00	0.00	99.79	14	745	117	99					0	0	0	141

---------- Feeder No. 2 (BLEVAL2) Beginning with Device PD.2461 ----------

PD.2461	PL.46597	A	VWVE	7.56Y	126.0	0.00	0.00	72.33	0	546	25	100	0.00	0.0	0.008	0.000	0	0	0	118
		B		7.56Y	126.0	0.00	0.01	101.94	0	764	99	99					0	0	0	162
		C		7.56Y	126.0	0.00	0.00	99.79	0	745	117	99					0	0	0	141
PL.10118	PD.2461	A	336ACSR	7.56Y	126.0	0.02	0.03	72.33	10	546	25	100	0.70	0.0	0.107	0.099	0	0	0	118
		B		7.55Y	125.9	0.08	0.08	101.94	14	764	99	99					0	0	0	162
		C		7.56Y	125.9	0.05	0.06	99.79	14	745	117	99					0	0	0	141
PL.110	PL.10118	A	336ACSR	7.56Y	125.9	0.04	0.07	72.33	10	546	25	100	1.12	0.1	0.266	0.159	0	0	0	118
		B		7.55Y	125.8	0.13	0.21	101.94	14	764	98	99					0	0	0	162
		C		7.55Y	125.9	0.09	0.14	99.79	14	745	116	99					0	0	0	141
PL.111	PL.110	A	1/0CU	7.55Y	125.8	0.16	0.22	72.33	17	546	24	100	4.02	0.2	0.543	0.277	0	0	0	118
		B		7.53Y	125.4	0.37	0.58	101.94	24	763	97	99					0	0	0	162
		C		7.53Y	125.6	0.29	0.43	99.79	23	745	115	99					0	0	0	141
PL.25917	PL.111	A	1/0CU	7.54Y	125.7	0.03	0.25	72.33	17	545	23	100	0.83	0.0	0.600	0.057	0	0	0	118
		B		7.52Y	125.3	0.08	0.65	101.94	24	761	95	99					0	0	0	162
		C		7.53Y	125.5	0.06	0.49	99.79	23	743	112	99					0	0	0	141
PL.42321	PL.25917	B	4ACSR	7.52Y	125.3	0.00	0.65	1.82	1	13	4	96	0.00	0.0	0.604	0.004	0	0	0	2
PD.7687	PL.42321	B	fuse6AMP	7.52Y	125.3	0.00	0.65	1.82	31	13	4	96	0.00	0.0	0.604	0.000	0	0	0	2

Unbalanced Voltage Drop Report
Source: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.42322	PD.7687	B	4ACSR	7.52Y	125.3	0.01	0.66	1.82	1	13	4	96	0.00	0.0	0.687	0.083	0	0	0	2
445609	PL.42322	B	Consumer	7.52Y	125.3	0.00	0.66	0.06	0	0	0	100	0.00	0.0	0.687	0.000	0	0	1	1
445604	PL.42322	B	Consumer	7.52Y	125.3	0.00	0.66	1.77	0	13	4	96	0.00	0.0	0.687	0.000	13	4	1	1
PL.25918	PL.25917	A	1/0CU	7.54Y	125.7	0.05	0.30	72.33	17	545	23	100	1.26	0.1	0.688	0.088	0	0	0	118
		B		7.51Y	125.2	0.11	0.76	100.15	23	748	90	99					0	0	0	160
		C		7.52Y	125.4	0.09	0.58	99.79	23	743	112	99					0	0	0	141
PL.25920	PL.25918	B	4ACSR	7.51Y	125.2	0.00	0.76	0.00	0	0	0	100	0.00	0.0	0.691	0.003	0	0	0	0
PL.2290	PL.25920	B	4ACSR	7.51Y	125.2	0.00	0.76	0.00	0	0	0	100	0.00	0.0	0.705	0.014	0	0	0	0
PL.25919	PL.25918	A	1/0CU	7.54Y	125.7	0.00	0.30	0.00	0	0	0	100	0.00	0.0	0.688	0.000	0	0	0	0
		B		7.51Y	125.2	0.00	0.76	2.79	1	20	6	95					0	0	0	5
		C		7.52Y	125.4	0.00	0.58	0.00	0	0	0	100					0	0	0	0
PL.23946	PL.25919	B	4ACSR	7.51Y	125.2	0.03	0.80	2.79	1	20	6	96	0.00	0.0	0.953	0.264	0	0	0	5
PL.23947	PL.23946	B	4ACSR	7.51Y	125.2	0.02	0.81	2.23	1	16	5	95	0.00	0.0	1.108	0.155	0	0	0	3
PL.24022	PL.23947	B	4ACSR	7.51Y	125.2	0.00	0.82	0.96	0	7	2	96	0.00	0.0	1.172	0.064	0	0	0	1
445634	PL.24022	B	Consumer	7.51Y	125.2	0.00	0.82	0.96	0	7	2	96	0.00	0.0	1.172	0.000	7	2	1	1
445617	PL.23947	B	Consumer	7.51Y	125.2	0.00	0.81	0.00	0	0	0	100	0.00	0.0	1.108	0.000	0	0	0	0
445602	PL.23947	B	Consumer	7.51Y	125.2	0.00	0.81	0.55	0	4	1	97	0.00	0.0	1.108	0.000	4	1	1	1
PL.24023	PL.23947	B	4ACSR	7.51Y	125.2	0.00	0.82	0.72	0	5	2	93	0.00	0.0	1.222	0.114	0	0	0	1
445635	PL.24023	B	Consumer	7.51Y	125.2	0.00	0.82	0.72	0	5	2	93	0.00	0.0	1.222	0.000	5	2	1	1
4456038	PL.24023	B	Consumer	7.51Y	125.2	0.00	0.82	0.00	0	0	0	100	0.00	0.0	1.222	0.000	0	0	0	0
PL.23950	PL.23946	B	4ACSR	7.51Y	125.2	0.01	0.81	0.56	0	4	1	97	0.00	0.0	1.233	0.280	0	0	0	2
445704	PL.23950	B	Consumer	7.51Y	125.2	0.00	0.81	0.25	0	2	1	89	0.00	0.0	1.233	0.000	2	1	1	1
445701	PL.23950	B	Consumer	7.51Y	125.2	0.00	0.81	0.30	0	2	1	89	0.00	0.0	1.233	0.000	2	1	1	1
PL.25921	PL.25918	A	1/0CU	7.54Y	125.7	0.01	0.31	72.33	17	545	23	100	0.17	0.0	0.701	0.013	0	0	0	118
		B		7.51Y	125.2	0.02	0.78	97.42	22	727	84	99					0	0	0	155
		C		7.52Y	125.4	0.01	0.60	99.79	23	743	111	99					0	0	0	141
PL.25922	PL.25921	A	1/0CU	7.54Y	125.7	0.01	0.32	72.33	17	545	23	100	0.32	0.0	0.724	0.023	0	0	0	118
		B		7.51Y	125.2	0.03	0.81	95.61	22	714	79	99					0	0	0	151
		C		7.52Y	125.4	0.03	0.62	99.79	23	743	111	99					0	0	0	141
PL.6854	PL.25922	A	1/0CU	7.54Y	125.7	0.01	0.34	72.33	17	545	23	100	0.31	0.0	0.747	0.022	0	0	0	118
		B		7.51Y	125.2	0.03	0.84	95.61	22	714	79	99					0	0	0	151
		C		7.52Y	125.4	0.02	0.65	99.79	23	742	111	99					0	0	0	141
444701	PL.6854	A	Consumer	7.54Y	125.7	0.00	0.34	0.44	0	3	1	95	0.00	0.0	0.747	0.000	3	1	1	1
PL.25923	PL.6854	A	1/0CU	7.54Y	125.6	0.04	0.38	71.91	17	542	22	100	1.08	0.1	0.825	0.078	0	0	0	117
		B		7.50Y	125.1	0.09	0.93	95.61	22	714	79	99					0	0	0	151
		C		7.52Y	125.3	0.09	0.73	99.79	23	742	111	99					0	0	0	141
PL.42327	PL.25923	C	4ACSR	7.52Y	125.3	0.00	0.73	0.00	0	0	0	100	0.00	0.0	0.830	0.005	0	0	0	1
PD.7691	PL.42327	C	fuse6AMP	7.52Y	125.3	0.00	0.73	0.00	0	0	0	100	0.00	0.0	0.830	0.000	0	0	0	1
PL.42328	PD.7691	C	4ACSR	7.52Y	125.3	0.00	0.73	0.00	0	0	0	100	0.00	0.0	0.904	0.074	0	0	0	1
444706	PL.42328	C	Consumer	7.52Y	125.3	0.00	0.73	0.00	0	0	0	100	0.00	0.0	0.904	0.000	0	0	1	1
PL.45290	PL.42328	C	4ACSR	7.52Y	125.3	0.00	0.73	0.00	0	0	0	100	0.00	0.0	0.935	0.031	0	0	0	0
PL.45291	PL.45290	C	4ACSR	7.52Y	125.3	0.00	0.73	0.00	0	0	0	100	0.00	0.0	1.049	0.113	0	0	0	0
4447031	PL.45291	C	Consumer	7.52Y	125.3	0.00	0.73	0.00	0	0	0	100	0.00	0.0	1.049	0.000	0	0	0	0
4447032	PL.45290	C	Consumer	7.52Y	125.3	0.00	0.73	0.00	0	0	0	100	0.00	0.0	0.935	0.000	0	0	0	0

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

Unbalanced Voltage Drop Report
Source: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.25924	PL.25923	A	1/0CU	7.53Y	125.5	0.09	0.47	71.91	17	542	21	100	2.40	0.1	1.000	0.175	0	0	0	117
		B		7.49Y	124.9	0.21	1.14	95.61	22	713	79	99					0	0	0	151
		C		7.50Y	125.1	0.19	0.92	99.79	23	742	110	99					0	0	0	140
PL.25925	PL.25924	A	1/0CU	7.52Y	125.4	0.13	0.60	71.91	17	541	21	100	3.27	0.2	1.238	0.238	0	0	0	117
		B		7.47Y	124.6	0.29	1.43	95.61	22	712	77	99					0	0	0	151
		C		7.49Y	124.8	0.26	1.18	99.74	23	741	108	99					0	0	0	139
PD.7692-A	PL.25925	A	Closed	7.52Y	125.4	0.00	0.60	71.91	0	541	20	100	0.00	0.0	1.238	0.000	0	0	0	117
		B		7.47Y	124.6	0.00	1.43	95.61	0	711	76	99					0	0	0	151
		C		7.49Y	124.8	0.00	1.18	99.74	0	739	106	99					0	0	0	139
PD.7692-B	PD.7692-A	A	Closed	7.52Y	125.4	0.00	0.60	71.91	0	541	20	100	0.00	0.0	1.238	0.000	0	0	0	117
		B		7.47Y	124.6	0.00	1.43	95.61	0	711	76	99					0	0	0	151
		C		7.49Y	124.8	0.00	1.18	99.74	0	739	106	99					0	0	0	139
PL.25926	PD.7692-B	A	1/0CU	7.52Y	125.4	0.03	0.63	71.91	17	541	20	100	0.84	0.0	1.299	0.061	0	0	0	117
		B		7.47Y	124.5	0.07	1.50	95.61	22	711	76	99					0	0	0	151
		C		7.49Y	124.8	0.07	1.25	99.74	23	739	106	99					0	0	0	139
PL.42341	PL.25926	C	4ACSR	7.49Y	124.8	0.00	1.25	0.49	0	3	1	95	0.00	0.0	1.308	0.009	0	0	0	2
PD.7701	PL.42341	C	fuse6AMP	7.49Y	124.8	0.00	1.25	0.49	8	3	1	95	0.00	0.0	1.308	0.000	0	0	0	2
PL.42342	PD.7701	C	4ACSR	7.49Y	124.8	0.00	1.25	0.49	0	3	1	95	0.00	0.0	1.351	0.043	0	0	0	2
PL.24014	PL.42342	C	4ACSR	7.49Y	124.8	0.00	1.25	0.49	0	3	1	95	0.00	0.0	1.387	0.036	0	0	0	2
445706	PL.24014	C	Consumer	7.49Y	124.8	0.00	1.25	0.05	0	0	0	100	0.00	0.0	1.387	0.000	0	0	1	1
445730	PL.24014	C	Consumer	7.49Y	124.8	0.00	1.25	0.44	0	3	1	95	0.00	0.0	1.387	0.000	3	1	1	1
PL.6855	PL.25926	A	1/0CU	7.52Y	125.3	0.09	0.72	71.91	17	541	20	100	2.24	0.1	1.480	0.181	0	0	0	117
		B		7.46Y	124.3	0.17	1.67	82.21	19	612	45	100					0	0	0	126
		C		7.47Y	124.5	0.21	1.46	99.25	23	736	105	99					0	0	0	137
4447030	PL.6855	A	Consumer	7.52Y	125.3	0.00	0.72	0.02	0	0	0	100	0.00	0.0	1.480	0.000	0	0	1	1
PL.33928	PL.6855	A	4ACSR	7.52Y	125.3	0.00	0.73	0.98	1	7	2	96	0.00	0.0	1.537	0.056	0	0	0	1
PL.33929	PL.33928	A	4ACSR	7.52Y	125.3	0.00	0.73	0.98	1	7	2	96	0.00	0.0	1.561	0.024	0	0	0	1
444709	PL.33929	A	Consumer	7.52Y	125.3	0.00	0.73	0.00	0	0	0	100	0.00	0.0	1.561	0.000	0	0	0	0
444718	PL.33929	A	Consumer	7.52Y	125.3	0.00	0.73	0.98	0	7	2	96	0.00	0.0	1.561	0.000	7	2	1	1
PL.10842	PL.6855	A	1/0CU	7.51Y	125.2	0.11	0.83	70.95	16	533	17	100	2.83	0.2	1.711	0.230	0	0	0	115
		B		7.45Y	124.1	0.22	1.89	82.21	19	612	44	100					0	0	0	126
		C		7.46Y	124.3	0.27	1.73	99.25	23	734	103	99					0	0	0	137
PL.10660	PL.10842	A	4ACSR	7.51Y	125.2	-0.00	0.83	0.01	0	0	0	100	0.00	0.0	1.721	0.011	0	0	0	1
PD.980	PL.10660	A	fuse6AMP	7.51Y	125.2	0.00	0.83	0.01	0	0	0	100	0.00	0.0	1.721	0.000	0	0	0	1
PL.10661	PD.980	A	4ACSR	7.51Y	125.2	0.00	0.83	0.01	0	0	0	100	0.00	0.0	1.767	0.045	0	0	0	1
444728	PL.10661	A	Consumer	7.51Y	125.2	0.00	0.83	0.00	0	0	0	100	0.00	0.0	1.767	0.000	0	0	0	0
PL.10659	PL.10661	A	4ACSR	7.51Y	125.2	0.00	0.83	0.01	0	0	0	100	0.00	0.0	1.819	0.052	0	0	0	1
444724	PL.10659	A	Consumer	7.51Y	125.2	0.00	0.83	0.01	0	0	0	100	0.00	0.0	1.819	0.000	0	0	1	1
PL.10658	PL.10842	A	1/0CU	7.51Y	125.1	0.07	0.91	70.94	16	533	16	100	1.85	0.1	1.861	0.150	0	0	0	114
		B		7.44Y	124.0	0.14	2.04	82.21	19	611	43	100					0	0	0	126
		C		7.45Y	124.1	0.18	1.91	99.25	23	733	101	99					0	0	0	137
PL.6861	PL.10658	A	1/0CU	7.50Y	125.1	0.02	0.93	70.94	16	532	15	100	0.52	0.0	1.904	0.043	0	0	0	114
		B		7.44Y	123.9	0.04	2.08	82.21	19	610	43	100					0	0	0	126
		C		7.44Y	124.0	0.05	1.96	99.02	23	731	99	99					0	0	0	136
444716	PL.6861	B	Consumer	7.44Y	123.9	0.00	2.08	0.75	0	5	2	93	0.00	0.0	1.904	0.000	5	2	1	1
PL.10662	PL.6861	A	1/0CU	7.50Y	125.0	0.07	1.00	70.94	16	532	15	100	1.73	0.1	2.046	0.142	0	0	0	114
		B		7.43Y	123.8	0.13	2.21	81.48	19	604	41	100					0	0	0	125
		C		7.43Y	123.9	0.17	2.12	99.02	23	730	99	99					0	0	0	136

Unbalanced Voltage Drop Report
Source: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.2296	PL.10662	C	4ACSR	7.43Y	123.9	0.00	2.13	1.75	1	12	4	95	0.00	0.0	2.077	0.031	0	0	0	1
444717	PL.2296	C	Consumer	7.43Y	123.9	0.00	2.13	1.75	0	12	4	95	0.00	0.0	2.077	0.000	12	4	1	1
PL.10663	PL.10662	A	1/0CU	7.50Y	124.9	0.06	1.05	70.94	16	532	15	100	1.38	0.1	2.161	0.115	0	0	0	114
		B		7.42Y	123.7	0.11	2.32	81.48	19	604	40	100					0	0	0	125
		C		7.42Y	123.7	0.13	2.25	97.29	22	717	94	99					0	0	0	135
PL.10666	PL.10663	B	4ACSR	7.42Y	123.7	0.01	2.33	9.80	5	69	22	95	0.00	0.0	2.174	0.013	0	0	0	16
PD.7684	PL.10666	B	25L	7.42Y	123.7	0.00	2.33	9.80	39	69	22	95	0.00	0.0	2.174	0.000	0	0	0	16
PL.29057	PD.7684	B	4ACSR	7.42Y	123.7	0.01	2.34	9.80	5	69	22	95	0.01	0.0	2.206	0.032	0	0	0	16
444713	PL.29057	B	Consumer	7.42Y	123.7	0.00	2.34	0.00	0	0	0	100	0.00	0.0	2.206	0.000	0	0	1	1
444714	PL.29057	B	Consumer	7.42Y	123.7	0.00	2.34	0.29	0	2	1	89	0.00	0.0	2.206	0.000	2	1	1	1
444725	PL.29057	B	Consumer	7.42Y	123.7	0.00	2.34	1.25	0	9	3	95	0.00	0.0	2.206	0.000	9	3	1	1
PL.10664	PL.29057	B	4ACSR	7.42Y	123.7	0.00	2.34	8.26	4	58	19	95	0.00	0.0	2.210	0.004	0	0	0	13
PL.10665	PL.10664	B	4ACSR	7.42Y	123.6	0.03	2.37	8.26	4	58	19	95	0.01	0.0	2.285	0.076	0	0	0	13
PL.6874	PL.10665	B	4ACSR	7.42Y	123.6	0.01	2.38	8.26	4	58	19	95	0.01	0.0	2.320	0.035	0	0	0	13
444805	PL.6874	B	Consumer	7.42Y	123.6	0.00	2.38	0.00	0	0	0	100	0.00	0.0	2.320	0.000	0	0	1	1
444801	PL.6874	B	Consumer	7.42Y	123.6	0.00	2.38	0.35	0	3	1	95	0.00	0.0	2.320	0.000	3	1	1	1
PL.25944	PL.6874	B	4ACSR	7.42Y	123.6	0.03	2.42	7.90	4	56	18	95	0.01	0.0	2.411	0.091	0	0	0	11
PL.25945	PL.25944	B	4ACSR	7.41Y	123.6	0.01	2.43	7.90	4	56	18	95	0.01	0.0	2.448	0.037	0	0	0	11
PL.25946	PL.25945	B	4ACSR	7.41Y	123.5	0.04	2.47	4.83	2	34	11	95	0.01	0.0	2.640	0.191	0	0	0	8
PL.23360	PL.25946	B	4ACSR	7.41Y	123.5	0.01	2.48	1.60	1	11	4	94	0.00	0.0	2.734	0.094	0	0	0	3
PL.23501	PL.23360	B	4ACSR	7.41Y	123.5	0.00	2.48	0.03	0	0	0	100	0.00	0.0	2.773	0.040	0	0	0	1
444818	PL.23501	B	Consumer	7.41Y	123.5	0.00	2.48	0.03	0	0	0	100	0.00	0.0	2.773	0.000	0	0	1	1
444814	PL.23360	B	Consumer	7.41Y	123.5	0.00	2.48	0.85	0	6	2	95	0.00	0.0	2.734	0.000	6	2	1	1
444803	PL.23360	B	Consumer	7.41Y	123.5	0.00	2.48	0.72	0	5	2	93	0.00	0.0	2.734	0.000	5	2	1	1
PL.42319	PL.25946	B	4ACSR	7.41Y	123.5	0.00	2.47	3.23	2	23	7	96	0.00	0.0	2.644	0.004	0	0	0	5
PD.7686	PL.42319	B	fuse6AMP	7.41Y	123.5	0.00	2.47	3.23	55	23	7	96	0.00	0.0	2.644	0.000	0	0	0	5
PL.42320	PD.7686	B	4ACSR	7.41Y	123.5	0.03	2.50	3.23	2	23	7	96	0.00	0.0	2.827	0.183	0	0	0	5
PL.6875	PL.42320	B	4ACSR	7.41Y	123.5	0.02	2.52	3.23	2	23	7	96	0.00	0.0	2.999	0.172	0	0	0	5
PL.6876	PL.6875	B	4ACSR	7.41Y	123.5	0.01	2.53	2.13	1	15	4	97	0.00	0.0	3.055	0.055	0	0	0	4
444813	PL.6876	B	Consumer	7.41Y	123.5	0.00	2.53	0.12	0	1	0	100	0.00	0.0	3.055	0.000	1	0	1	1
PL.23293	PL.6876	B	4ACSR	7.41Y	123.5	0.01	2.54	2.00	1	14	4	96	0.00	0.0	3.189	0.134	0	0	0	3
PL.43722	PL.23293	B	2ACSR	7.41Y	123.5	0.00	2.54	0.00	0	0	0	100	0.00	0.0	3.253	0.064	0	0	0	0
4448019	PL.43722	B	Consumer	7.41Y	123.5	0.00	2.54	0.00	0	0	0	100	0.00	0.0	3.253	0.000	0	0	0	0
PL.29561	PL.23293	B	1/0EPRJCN	7.41Y	123.5	0.00	2.54	1.27	1	9	3	95	0.00	0.0	3.248	0.058	0	0	0	1
444816	PL.29561	B	Consumer	7.41Y	123.5	0.00	2.54	1.28	0	9	3	95	0.00	0.0	3.248	0.000	9	3	1	1
444817	PL.23293	B	Consumer	7.41Y	123.5	0.00	2.54	0.00	0	0	0	100	0.00	0.0	3.189	0.000	0	0	1	1
PL.29560	PL.23293	B	1/0EPRJCN	7.41Y	123.5	0.00	2.54	0.73	0	5	1	98	0.00	0.0	3.255	0.066	0	0	0	1
444815	PL.29560	B	Consumer	7.41Y	123.5	0.00	2.54	0.74	0	5	2	93	0.00	0.0	3.255	0.000	5	2	1	1
444812	PL.6875	B	Consumer	7.41Y	123.5	0.00	2.52	1.11	0	8	2	97	0.00	0.0	2.999	0.000	8	2	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: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.42317	PL.25945	B	4ACSR	7.41Y	123.6	0.00	2.43	3.07	2	22	7	95	0.00	0.0	2.452	0.004	0	0	0	3
PD.7685	PL.42317	B	fuse6AMP	7.41Y	123.6	0.00	2.43	3.07	53	22	7	95	0.00	0.0	2.452	0.000	0	0	0	3
PL.42318	PD.7685	B	4ACSR	7.41Y	123.5	0.02	2.45	3.07	2	22	7	95	0.00	0.0	2.631	0.178	0	0	0	3
PL.23356	PL.42318	B	4ACSR	7.41Y	123.5	0.00	2.45	0.00	0	0	0	100	0.00	0.0	2.703	0.073	0	0	0	0
PL.23338	PL.23356	B	4ACSR	7.41Y	123.5	0.00	2.45	0.00	0	0	0	100	0.00	0.0	2.724	0.021	0	0	0	0
444710	PL.23356	B	Consumer	7.41Y	123.5	0.00	2.45	0.00	0	0	0	100	0.00	0.0	2.703	0.000	0	0	0	0
PL.23358	PL.42318	B	4ACSR	7.41Y	123.5	0.01	2.47	2.50	1	18	6	95	0.00	0.0	2.741	0.110	0	0	0	2
PL.23357	PL.23358	B	4ACSR	7.41Y	123.5	0.00	2.47	2.50	1	18	6	95	0.00	0.0	2.766	0.025	0	0	0	2
PL.23337	PL.23357	B	4ACSR	7.41Y	123.5	0.01	2.48	2.50	1	18	6	95	0.00	0.0	2.816	0.051	0	0	0	2
444708	PL.23337	B	Consumer	7.41Y	123.5	0.00	2.48	1.66	0	12	4	95	0.00	0.0	2.816	0.000	12	4	1	1
444712	PL.23337	B	Consumer	7.41Y	123.5	0.00	2.48	0.84	0	6	2	95	0.00	0.0	2.816	0.000	6	2	1	1
444804	PL.42318	B	Consumer	7.41Y	123.5	0.00	2.45	0.57	0	4	1	97	0.00	0.0	2.631	0.000	4	1	1	1
444807	PL.25944	B	Consumer	7.42Y	123.6	0.00	2.42	0.00	0	0	0	100	0.00	0.0	2.411	0.000	0	0	0	0
PL.10667	PL.10663	A	1/0CU	7.49Y	124.8	0.10	1.15	70.94	16	532	14	100	2.42	0.1	2.377	0.216	0	0	0	114
		B		7.41Y	123.5	0.16	2.49	72.01	17	534	18	100					0	0	0	109
		C		7.41Y	123.5	0.26	2.52	97.29	22	716	93	99					0	0	0	135
PL.10668	PL.10667	A	1/0CU	7.49Y	124.8	0.02	1.17	70.94	16	531	14	100	0.54	0.0	2.425	0.048	0	0	0	114
		B		7.41Y	123.5	0.04	2.52	72.01	17	533	17	100					0	0	0	109
		C		7.41Y	123.4	0.06	2.58	97.29	22	715	91	99					0	0	0	135
PL.10669	PL.10668	A	1/0CU	7.49Y	124.8	0.00	1.18	70.94	16	531	13	100	0.05	0.0	2.429	0.004	0	0	0	114
		B		7.41Y	123.5	0.00	2.53	72.01	17	533	17	100					0	0	0	109
		C		7.41Y	123.4	0.01	2.58	96.17	22	707	88	99					0	0	0	134
PL.10672	PL.10669	A	1/0CU	7.49Y	124.8	0.05	1.22	70.94	16	531	13	100	1.10	0.1	2.529	0.099	0	0	0	114
		B		7.40Y	123.4	0.08	2.60	72.01	17	533	17	100					0	0	0	109
		C		7.40Y	123.3	0.12	2.70	96.17	22	707	88	99					0	0	0	134
PL.6887	PL.10672	A	4ACSR	7.49Y	124.8	0.01	1.24	1.34	1	10	3	96	0.00	0.0	2.730	0.201	0	0	0	3
PL.25932	PL.6887	A	4ACSR	7.49Y	124.8	0.00	1.24	0.75	0	5	2	93	0.00	0.0	2.755	0.025	0	0	0	1
443808	PL.25932	A	Consumer	7.49Y	124.8	0.00	1.24	0.75	0	5	2	93	0.00	0.0	2.755	0.000	5	2	1	1
PL.2716	PL.6887	A	4ACSR	7.49Y	124.8	0.00	1.24	0.59	0	4	1	97	0.00	0.0	2.763	0.033	0	0	0	2
443859	PL.2716	A	Consumer	7.49Y	124.8	0.00	1.24	0.43	0	3	1	95	0.00	0.0	2.763	0.000	3	1	1	1
443858	PL.2716	A	Consumer	7.49Y	124.8	0.00	1.24	0.16	0	1	0	100	0.00	0.0	2.763	0.000	1	0	1	1
PL.25930	PL.10672	C	4ACSR	7.40Y	123.3	0.00	2.70	0.48	0	3	1	95	0.00	0.0	2.534	0.005	0	0	0	1
PD.1068	PL.25930	C	fuse6AMP	7.40Y	123.3	0.00	2.70	0.48	8	3	1	95	0.00	0.0	2.534	0.000	0	0	0	1
PL.25931	PD.1068	C	4ACSR	7.40Y	123.3	0.00	2.70	0.48	0	3	1	95	0.00	0.0	2.591	0.058	0	0	0	1
PL.2295	PL.25931	C	4ACSR	7.40Y	123.3	0.00	2.70	0.48	0	3	1	95	0.00	0.0	2.654	0.063	0	0	0	1
443705	PL.2295	C	Consumer	7.40Y	123.3	0.00	2.70	0.48	0	3	1	95	0.00	0.0	2.654	0.000	3	1	1	1
PL.10673	PL.10672	A	4ACSR	7.49Y	124.8	0.00	1.22	1.35	1	10	3	96	0.00	0.0	2.534	0.005	0	0	0	2
PD.1070	PL.10673	A	fuse6AMP	7.49Y	124.8	0.00	1.22	1.35	23	10	3	96	0.00	0.0	2.534	0.000	0	0	0	2
PL.10674	PD.1070	A	4ACSR	7.49Y	124.8	0.00	1.23	1.35	1	10	3	96	0.00	0.0	2.603	0.070	0	0	0	2
PL.2719	PL.10674	A	4ACSR	7.49Y	124.8	0.00	1.23	0.39	0	3	1	95	0.00	0.0	2.651	0.048	0	0	0	1
443862	PL.2719	A	Consumer	7.49Y	124.8	0.00	1.23	0.39	0	3	1	95	0.00	0.0	2.651	0.000	3	1	1	1
443814	PL.10674	A	Consumer	7.49Y	124.8	0.00	1.23	0.96	0	7	2	96	0.00	0.0	2.603	0.000	7	2	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: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.20195	PL.10672	A	1/0CU	7.48Y	124.7	0.09	1.31	68.36	16	512	7	100	2.18	0.1	2.730	0.201	0	0	0	109
		B		7.39Y	123.2	0.16	2.76	72.01	17	533	17	100					0	0	0	109
		C		7.38Y	123.1	0.24	2.94	95.70	22	703	87	99					0	0	0	133
PL.20196	PL.20195	A	1/0CU	7.48Y	124.7	0.02	1.33	70.04	16	511	114	98	0.35	0.0	2.760	0.030	0	0	0	109
		B		7.39Y	123.2	0.03	2.79	73.83	17	532	122	97					0	0	0	109
		C		7.38Y	123.0	0.04	2.98	98.43	23	701	190	97					0	0	0	133
PL.42260	PL.20196	A	4ACSR	7.48Y	124.7	0.00	1.33	1.07	1	8	2	97	0.00	0.0	2.769	0.009	0	0	0	1
PL.42261	PL.42260	A	4ACSR	7.48Y	124.7	0.00	1.33	1.07	1	8	2	97	0.00	0.0	2.801	0.032	0	0	0	1
443822	PL.42261	A	Consumer	7.48Y	124.7	0.00	1.33	1.07	0	8	2	97	0.00	0.0	2.801	0.000	8	2	1	1
PL.12462	PL.20196	A	1/0CU	7.48Y	124.7	0.00	1.33	68.98	16	504	112	98	0.01	0.0	2.761	0.001	0	0	0	108
		B		7.39Y	123.2	0.00	2.79	73.83	17	532	122	97					0	0	0	109
		C		7.38Y	123.0	0.00	2.98	98.43	23	701	190	97					0	0	0	133
PL.42262	PL.12462	C	4ACSR	7.38Y	123.0	0.00	2.98	2.28	1	16	5	95	0.00	0.0	2.767	0.005	0	0	0	8
PL.46512	PL.42262	C	4ACSR	7.38Y	123.0	0.00	2.98	2.28	1	16	5	95	0.00	0.0	2.777	0.010	0	0	0	8
PD.8749	PL.46512	C	fuse6AMP	7.38Y	123.0	0.00	2.98	2.28	39	16	5	95	0.00	0.0	2.777	0.000	0	0	0	8
PL.46513	PD.8749	C	4ACSR	7.38Y	123.0	0.01	2.99	2.28	1	16	5	95	0.00	0.0	2.828	0.051	0	0	0	8
PL.23298	PL.46513	C	4ACSR	7.38Y	123.0	0.00	2.99	0.44	0	3	1	95	0.00	0.0	2.871	0.042	0	0	0	4
443866	PL.23298	C	Consumer	7.38Y	123.0	0.00	2.99	0.01	0	0	0	100	0.00	0.0	2.871	0.000	0	0	1	1
443870	PL.23298	C	Consumer	7.38Y	123.0	0.00	2.99	0.00	0	0	0	100	0.00	0.0	2.871	0.000	0	0	1	1
443856	PL.23298	C	Consumer	7.38Y	123.0	0.00	2.99	0.30	0	2	1	89	0.00	0.0	2.871	0.000	2	1	1	1
PL.23299	PL.23298	C	4ACSR	7.38Y	123.0	0.00	2.99	0.13	0	1	0	100	0.00	0.0	2.899	0.029	0	0	0	1
443869	PL.23299	C	Consumer	7.38Y	123.0	0.00	2.99	0.13	0	1	0	100	0.00	0.0	2.899	0.000	1	0	1	1
443838	PL.46513	C	Consumer	7.38Y	123.0	0.00	2.99	0.90	0	6	2	95	0.00	0.0	2.828	0.000	6	2	1	1
443823	PL.46513	C	Consumer	7.38Y	123.0	0.00	2.99	0.64	0	5	1	98	0.00	0.0	2.828	0.000	5	1	1	1
443851	PL.46513	C	Consumer	7.38Y	123.0	0.00	2.99	0.00	0	0	0	100	0.00	0.0	2.828	0.000	0	0	1	1
443850	PL.46513	C	Consumer	7.38Y	123.0	0.00	2.99	0.29	0	2	1	89	0.00	0.0	2.828	0.000	2	1	1	1
PL.12463	PL.12462	A	1/0CU	7.48Y	124.6	0.05	1.38	68.98	16	504	112	98	0.97	0.1	2.849	0.088	0	0	0	108
		B		7.39Y	123.1	0.08	2.87	73.83	17	532	122	97					0	0	0	109
		C		7.37Y	122.9	0.11	3.09	96.16	22	685	185	97					0	0	0	125
PL.25936	PL.12463	A	1/0ACSR	7.48Y	124.6	0.00	1.39	5.19	2	37	12	95	0.01	0.0	2.903	0.054	0	0	0	1
		B		7.39Y	123.1	0.01	2.88	7.11	2	50	16	95					0	0	0	6
		C		7.37Y	122.9	0.01	3.10	7.54	2	53	18	95					0	0	0	4
PD.356-A	PL.25936	A	Closed	7.48Y	124.6	0.00	1.39	5.19	0	37	12	95	0.00	0.0	2.903	0.000	0	0	0	1
		B		7.39Y	123.1	0.00	2.88	7.11	0	50	16	95					0	0	0	6
		C		7.37Y	122.9	0.00	3.10	7.54	0	53	18	95					0	0	0	4
PD.356-B	PD.356-A	A	Closed	7.48Y	124.6	0.00	1.39	5.19	0	37	12	95	0.00	0.0	2.903	0.000	0	0	0	1
		B		7.39Y	123.1	0.00	2.88	7.11	0	50	16	95					0	0	0	6
		C		7.37Y	122.9	0.00	3.10	7.54	0	53	18	95					0	0	0	4
PL.25937	PD.356-B	A	1/0ACSR	7.48Y	124.6	0.01	1.39	5.19	2	37	12	95	0.01	0.0	2.979	0.076	0	0	0	1
		B		7.39Y	123.1	0.01	2.89	7.11	2	50	16	95					0	0	0	6
		C		7.37Y	122.9	0.01	3.11	7.54	2	53	18	95					0	0	0	4
443840	PL.25937	B	Consumer	7.39Y	123.1	0.00	2.89	0.03	0	0	0	100	0.00	0.0	2.979	0.000	0	0	1	1
PL.25935	PL.25937	A	1/0ACSR	7.48Y	124.6	0.00	1.40	5.19	2	37	12	95	0.00	0.0	3.012	0.033	0	0	0	1
		B		7.39Y	123.1	0.00	2.89	7.08	2	50	16	95					0	0	0	5
		C		7.37Y	122.9	0.00	3.11	7.54	2	53	18	95					0	0	0	4
PL.25938	PL.25935	A	1/0ACSR	7.48Y	124.6	0.00	1.40	5.19	2	37	12	95	0.01	0.0	3.062	0.051	0	0	0	1
		B		7.39Y	123.1	0.01	2.90	7.08	2	50	16	95					0	0	0	5
		C		7.37Y	122.9	0.01	3.12	7.54	2	53	18	95					0	0	0	4

Unbalanced Voltage Drop Report
Source: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
443837	PL.25938	A	Consumer	7.48Y	124.6	0.00	1.40	0.00	0	0	0	100	0.00	0.0	3.062	0.000	0	0	0	0
443834	PL.25938	C	Consumer	7.37Y	122.9	0.00	3.12	0.40	0	3	1	95	0.00	0.0	3.062	0.000	3	1	1	1
443839	PL.25938	B	Consumer	7.39Y	123.1	0.00	2.90	0.22	0	2	0	100	0.00	0.0	3.062	0.000	2	0	1	1
PL.25939	PL.25938	B	4ACSR	7.39Y	123.1	0.00	2.90	1.21	1	9	3	95	0.00	0.0	3.070	0.008	0	0	0	2
PD.1067	PL.25939	B	fuse6AMP	7.39Y	123.1	0.00	2.90	1.21	21	9	3	95	0.00	0.0	3.070	0.000	0	0	0	2
PL.25940	PD.1067	B	4ACSR	7.39Y	123.1	0.00	2.91	1.21	1	9	3	95	0.00	0.0	3.130	0.060	0	0	0	2
443848	PL.25940	B	Consumer	7.39Y	123.1	0.00	2.91	1.06	0	7	2	96	0.00	0.0	3.130	0.000	7	2	1	1
443872	PL.25940	B	Consumer	7.39Y	123.1	0.00	2.91	0.15	0	1	0	100	0.00	0.0	3.130	0.000	1	0	1	1
PL.25941	PL.25938	A	1/0ACSR	7.48Y	124.6	0.00	1.40	5.19	2	37	12	95	0.00	0.0	3.112	0.049	0	0	0	1
		B		7.39Y	123.1	0.01	2.91	5.65	2	40	13	95					0	0	0	2
		C		7.37Y	122.9	0.01	3.13	7.14	2	50	17	95					0	0	0	3
PL.25942	PL.25941	A	1/0ACSR	7.48Y	124.6	0.01	1.41	5.19	2	37	12	95	0.01	0.0	3.195	0.083	0	0	0	1
		B		7.39Y	123.1	0.01	2.92	5.25	2	37	12	95					0	0	0	1
		C		7.37Y	122.9	0.01	3.14	7.14	2	50	17	95					0	0	0	3
PL.14812	PL.25942	A	1/0ACSR	7.48Y	124.6	0.00	1.41	5.19	2	37	12	95	0.00	0.0	3.207	0.013	0	0	0	1
		B		7.39Y	123.1	0.00	2.92	5.25	2	37	12	95					0	0	0	1
		C		7.37Y	122.9	0.00	3.14	5.26	2	37	12	95					0	0	0	1
C PD.1069	PL.14812	A	fuse6AMP	7.48Y	124.6	0.00	1.41	5.19	89	37	12	95	0.00	0.0	3.207	0.000	0	0	0	1 C
C		B		7.39Y	123.1	0.00	2.92	5.25	90	37	12	95					0	0	0	1 C
C		C		7.37Y	122.9	0.00	3.14	5.26	90	37	12	95					0	0	0	1 C
PL.14813	PD.1069	A	1/0ACSR	7.48Y	124.6	0.00	1.41	5.19	2	37	12	95	0.00	0.0	3.251	0.044	0	0	0	1
		B		7.38Y	123.1	0.00	2.92	5.25	2	37	12	95					0	0	0	1
		C		7.37Y	122.9	0.00	3.15	5.26	2	37	12	95					0	0	0	1
PL.25943	PL.14813	A	1/0ACSR	7.48Y	124.6	0.00	1.41	0.00	0	0	0	100	0.00	0.0	3.301	0.050	0	0	0	0
		B		7.38Y	123.1	0.00	2.92	0.00	0	0	0	100					0	0	0	0
		C		7.37Y	122.9	0.00	3.15	0.00	0	0	0	100					0	0	0	0
443830	PL.25943	A	Consumer	7.48Y	124.6	0.00	1.41	0.00	0	0	0	100	0.00	0.0	3.301	0.000	0	0	0	0
		B		7.38Y	123.1	0.00	2.92	0.00	0	0	0	100					0	0	0	0
		C		7.37Y	122.9	0.00	3.15	0.00	0	0	0	100					0	0	0	0
443832	PL.14813	A	Consumer	7.48Y	124.6	0.00	1.41	3.37	0	23	11	90	0.00	0.0	3.251	0.000	23	11	0	0
		B		7.38Y	123.1	0.00	2.92	3.41	0	23	11	90					23	11	0	0
		C		7.37Y	122.9	0.00	3.15	3.41	0	23	11	90					23	11	0	0
443831	PL.14813	A	Consumer	7.48Y	124.6	0.00	1.41	1.90	0	14	1	100	0.00	0.0	3.251	0.000	14	1	0	0
		B		7.38Y	123.1	0.00	2.92	1.93	0	14	1	100					14	1	0	0
		C		7.37Y	122.9	0.00	3.15	1.93	0	14	1	100					14	1	0	0
PL.2585	PL.25942	C	4ACSR	7.37Y	122.8	0.01	3.15	1.12	1	8	2	97	0.00	0.0	3.448	0.253	0	0	0	1
PL.2718	PL.2585	C	4ACSR	7.37Y	122.8	0.00	3.16	1.12	1	8	2	97	0.00	0.0	3.511	0.063	0	0	0	1
443861	PL.2718	C	Consumer	7.37Y	122.8	0.00	3.16	1.12	0	8	2	97	0.00	0.0	3.511	0.000	8	2	1	1
443833	PL.25942	C	Consumer	7.37Y	122.9	0.00	3.14	0.76	0	5	2	93	0.00	0.0	3.195	0.000	5	2	1	1
443843	PL.25941	B	Consumer	7.39Y	123.1	0.00	2.91	0.40	0	3	1	95	0.00	0.0	3.112	0.000	3	1	1	1
PL.6881	PL.12463	A	1/0CU	7.46Y	124.4	0.25	1.63	63.82	15	467	99	98	4.16	0.3	3.296	0.446	0	0	0	107
		B		7.37Y	122.8	0.38	3.25	66.75	15	482	105	98					0	0	0	103
		C		7.34Y	122.4	0.54	3.63	88.63	20	632	166	97					0	0	0	121
443863	PL.6881	A	Consumer	7.46Y	124.4	0.00	1.63	0.00	0	0	0	100	0.00	0.0	3.296	0.000	0	0	0	0
PL.25933	PL.6881	A	1/0CU	7.46Y	124.3	0.04	1.67	63.82	15	466	98	98	0.75	0.0	3.377	0.081	0	0	0	107
		B		7.36Y	122.7	0.07	3.32	66.75	15	481	104	98					0	0	0	103
		C		7.34Y	122.3	0.10	3.73	88.63	20	630	163	97					0	0	0	121
PL.25934	PL.25933	A	1/0CU	7.46Y	124.3	0.07	1.75	63.12	15	461	96	98	1.28	0.1	3.515	0.139	0	0	0	106
		B		7.35Y	122.6	0.12	3.44	66.75	15	480	104	98					0	0	0	103
		C		7.33Y	122.1	0.17	3.90	88.63	20	630	163	97					0	0	0	121

Unbalanced Voltage Drop Report
Source: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PL.12216	PL.25934	A	1/0CU	7.45Y	124.2	0.08	1.83	63.11	15	461	96	98	1.38	0.1	3.664	0.149	0	0	0	105	
		B		7.35Y	122.4	0.13	3.56	66.75	15	480	103	98					0	0	0	103	
		C		7.32Y	121.9	0.18	4.07	88.63	20	629	162	97					0	0	0	121	
PD.354-A	PL.12216	A	Closed	7.45Y	124.2	0.00	1.83	63.11	0	460	95	98	0.00	0.0	3.664	0.000	0	0	0	105	
		B		7.35Y	122.4	0.00	3.56	66.75	0	479	103	98					0	0	0	103	
		C		7.32Y	121.9	0.00	4.07	88.63	0	628	161	97					0	0	0	121	
PD.354-B	PD.354-A	A	Closed	7.45Y	124.2	0.00	1.83	63.11	0	460	95	98	0.00	0.0	3.664	0.000	0	0	0	105	
		B		7.35Y	122.4	0.00	3.56	66.75	0	479	103	98					0	0	0	103	
		C		7.32Y	121.9	0.00	4.07	88.63	0	628	161	97					0	0	0	121	
PL.12217	PD.354-B	A	1/0CU	7.45Y	124.2	0.02	1.85	63.11	15	460	95	98	0.32	0.0	3.699	0.035	0	0	0	105	
		B		7.34Y	122.4	0.03	3.59	66.75	15	479	103	98					0	0	0	103	
		C		7.31Y	121.9	0.04	4.12	88.63	20	628	161	97					0	0	0	121	
PL.20297	PL.12217	A	4ACSR	7.45Y	124.1	0.02	1.87	34.09	18	252	29	99	0.03	0.0	3.710	0.011	0	0	0	64	
		B		7.34Y	122.4	-0.00	3.59	10.06	5	68	-29	-92					0	0	0	17	
		C		7.31Y	121.9	0.00	4.12	7.58	4	39	-39	-71					0	0	0	5	
PD.2462	PL.20297	A	50L	7.45Y	124.1	0.00	1.87	34.09	68	252	29	99	0.00	0.0	3.710	0.000	0	0	0	64	
		B		7.34Y	122.4	0.00	3.59	10.06	20	68	-29	-92					0	0	0	17	
		C		7.31Y	121.9	0.00	4.12	7.58	15	39	-39	-71					0	0	0	5	
PL.20298	PD.2462	A	4ACSR	7.44Y	123.9	0.20	2.07	34.09	18	252	29	99	0.41	0.1	3.847	0.137	0	0	0	64	
		B		7.34Y	122.4	-0.00	3.59	10.06	5	68	-29	-92					0	0	0	17	
		C		7.31Y	121.9	0.03	4.14	7.58	4	39	-39	-71					0	0	0	5	
PL.20299	PL.20298	A	4ACSR	7.43Y	123.9	0.03	2.10	28.61	15	212	17	100	0.06	0.0	3.873	0.027	0	0	0	54	
		B		7.34Y	122.4	0.00	3.59	10.06	5	68	-29	-92					0	0	0	17	
		C		7.31Y	121.9	0.00	4.15	7.58	4	39	-39	-71					0	0	0	5	
443828	PL.20299	A	Consumer	7.43Y	123.9	0.00	2.10	0.71	0	5	2	93	0.00	0.0	3.873	0.000	5	2	1	1	
PL.23294	PL.20299	A	4ACSR	7.43Y	123.8	0.09	2.19	27.91	14	207	15	100	0.15	0.0	3.945	0.072	0	0	0	53	
		B		7.34Y	122.4	0.00	3.59	10.06	5	68	-29	-92					0	0	0	17	
		C		7.31Y	121.8	0.01	4.16	7.58	4	39	-39	-71					0	0	0	5	
443803	PL.23294	A	Consumer	7.43Y	123.8	0.00	2.19	0.02	0	0	0	100	0.00	0.0	3.945	0.000	0	0	1	1	
443844	PL.23294	C	Consumer	7.31Y	121.8	0.00	4.16	1.02	0	7	2	96	0.00	0.0	3.945	0.000	7	2	1	1	
443827	PL.23294	C	Consumer	7.31Y	121.8	0.00	4.16	1.24	0	9	3	95	0.00	0.0	3.945	0.000	9	3	1	1	
PL.23295	PL.23294	A	4ACSR	7.42Y	123.7	0.13	2.32	27.89	14	207	15	100	0.22	0.1	4.050	0.104	0	0	0	52	
		B		7.34Y	122.4	0.00	3.60	10.06	5	68	-29	-92					0	0	0	17	
P		C		7.31Y	121.8	0.01	4.17	6.83	4	23	-44	-47					0	0	0	3	P
PL.22763	PL.23295	A	4ACSR	7.42Y	123.7	0.02	2.34	27.89	14	206	15	100	0.04	0.0	4.068	0.018	0	0	0	52	
		B		7.34Y	122.4	0.00	3.60	10.06	5	68	-29	-92					0	0	0	17	
P		C		7.31Y	121.8	0.00	4.17	6.83	4	23	-44	-47					0	0	0	3	P
P CP.9	PL.22763	A	Cap (150)	7.42Y	123.7	0.00	2.34	-7.16	0	0	-53	0	0.00	0.0	4.068	0.000	0	0	0	0	P
		B		7.34Y	122.4	0.00	3.60	-7.08	0	0	-52	0					0	0	0	0	
		C		7.31Y	121.8	0.00	4.17	-7.05	0	0	-52	0					0	0	0	0	
PL.22764	PL.22763	A	4ACSR	7.42Y	123.6	0.06	2.39	29.29	15	206	68	95	0.09	0.0	4.110	0.043	0	0	0	52	
		B		7.34Y	122.4	0.01	3.61	9.75	5	68	23	95					0	0	0	17	
		C		7.31Y	121.8	0.01	4.18	3.37	2	23	7	95					0	0	0	3	
442824	PL.22764	A	Consumer	7.42Y	123.6	0.00	2.39	0.14	0	1	0	100	0.00	0.0	4.110	0.000	1	0	1	1	
PL.21684	PL.22764	A	4ACSR	7.41Y	123.5	0.11	2.50	29.15	15	205	68	95	0.17	0.1	4.191	0.080	0	0	0	51	
		B		7.34Y	122.4	0.01	3.62	9.75	5	68	23	95					0	0	0	17	
		C		7.31Y	121.8	0.01	4.18	2.18	1	15	5	95					0	0	0	2	
PL.21685	PL.21684	A	4ACSR	7.40Y	123.3	0.20	2.70	29.15	15	205	68	95	0.33	0.1	4.342	0.151	0	0	0	51	
		B		7.34Y	122.4	0.02	3.64	9.75	5	68	23	95					0	0	0	17	
		C		7.31Y	121.8	0.02	4.20	2.18	1	15	5	95					0	0	0	2	
442829	PL.21685	A	Consumer	7.40Y	123.3	0.00	2.70	0.00	0	0	0	100	0.00	0.0	4.342	0.000	0	0	1	1	
PL.23164	PL.21685	A	4ACSR	7.39Y	123.2	0.12	2.82	29.15	15	205	67	95	0.20	0.1	4.433	0.092	0	0	0	50	
		B		7.34Y	122.3	0.01	3.65	9.75	5	68	23	95					0	0	0	17	
		C		7.31Y	121.8	0.01	4.21	2.18	1	15	5	95					0	0	0	2	

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: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.2285	PL.23164	A	4ACSR	7.39Y	123.2	0.00	2.83	0.12	0	1	0	100	0.00	0.0	4.485	0.051	0	0	0	0
		B		7.34Y	122.3	0.00	3.65	0.12	0	1	0	90					0	0	0	0
		C		7.31Y	121.8	0.00	4.21	0.12	0	1	0	90					0	0	0	0
PL.32692	PL.2285	A	4ACSR	7.39Y	123.2	0.00	2.83	0.12	0	1	0	100	0.00	0.0	4.521	0.036	0	0	0	0
		B		7.34Y	122.3	0.00	3.65	0.12	0	1	0	90					0	0	0	0
		C		7.31Y	121.8	0.00	4.21	0.12	0	1	0	90					0	0	0	0
PL.32693	PL.32692	A	4ACSR	7.39Y	123.2	0.00	2.83	0.12	0	1	0	100	0.00	0.0	4.534	0.014	0	0	0	0
		B		7.34Y	122.3	0.00	3.65	0.12	0	1	0	90					0	0	0	0
		C		7.31Y	121.8	0.00	4.21	0.12	0	1	0	90					0	0	0	0
4428096	PL.32693	A	Consumer	7.39Y	123.2	0.00	2.83	0.12	0	1	0	100	0.00	0.0	4.534	0.000	1	0	0	0
		B		7.34Y	122.3	0.00	3.65	0.12	0	1	0	90					1	0	0	0
		C		7.31Y	121.8	0.00	4.21	0.12	0	1	0	90					1	0	0	0
442883	PL.32693	A	Consumer	7.39Y	123.2	0.00	2.83	0.00	0	0	0	100	0.00	0.0	4.534	0.000	0	0	0	0
		B		7.34Y	122.3	0.00	3.65	0.00	0	0	0	100					0	0	0	0
		C		7.31Y	121.8	0.00	4.21	0.00	0	0	0	100					0	0	0	0
4428102	PL.32693	B	Consumer	7.34Y	122.3	0.00	3.65	0.00	0	0	0	100	0.00	0.0	4.534	0.000	0	0	0	0
442851	PL.23164	C	Consumer	7.31Y	121.8	0.00	4.21	0.91	0	6	2	95	0.00	0.0	4.433	0.000	6	2	1	1
442847	PL.23164	C	Consumer	7.31Y	121.8	0.00	4.21	1.15	0	8	3	94	0.00	0.0	4.433	0.000	8	3	1	1
PL.12225	PL.23164	A	4ACSR	7.39Y	123.2	0.00	2.83	29.03	15	204	67	95	0.00	0.0	4.434	0.001	0	0	0	50
		B		7.34Y	122.3	0.00	3.65	9.63	5	67	22	95					0	0	0	17
		C		7.31Y	121.8	0.00	4.21	0.00	0	0	0	100					0	0	0	0
PL.20302	PL.12225	A	4ACSR	7.39Y	123.1	0.08	2.91	29.03	15	204	67	95	0.13	0.0	4.494	0.060	0	0	0	50
		B		7.34Y	122.3	0.01	3.66	9.63	5	67	22	95					0	0	0	17
		C		7.31Y	121.8	0.00	4.21	0.00	0	0	0	100					0	0	0	0
PL.20303	PL.20302	A	4ACSR	7.38Y	123.1	0.02	2.92	29.03	15	204	67	95	0.03	0.0	4.506	0.012	0	0	0	50
		B		7.34Y	122.3	0.00	3.66	9.63	5	67	22	95					0	0	0	17
		C		7.31Y	121.8	0.00	4.21	0.00	0	0	0	100					0	0	0	0
PL.12231	PL.20303	A	4ACSR	7.38Y	123.1	0.01	2.93	24.03	12	169	53	95	0.01	0.0	4.514	0.009	0	0	0	42
		C		7.31Y	121.8	0.00	4.21	0.00	0	0	0	100					0	0	0	0
C PD.977	PL.12231	A	25L	7.38Y	123.1	0.00	2.93	24.03	96	169	53	95	0.00	0.0	4.514	0.000	0	0	0	42 C
		C		7.31Y	121.8	0.00	4.21	0.00	0	0	0	100					0	0	0	0
PL.12232	PD.977	A	4ACSR	7.38Y	123.0	0.10	3.03	24.03	12	169	53	95	0.13	0.1	4.609	0.095	0	0	0	42
		C		7.31Y	121.8	0.01	4.22	0.00	0	0	0	100					0	0	0	0
PL.42632	PL.12232	A	4ACSR	7.38Y	123.0	0.00	3.03	1.83	1	13	4	96	0.00	0.0	4.613	0.004	0	0	0	3
PD.8531	PL.42632	A	fuse6AMP	7.38Y	123.0	0.00	3.03	1.83	31	13	4	96	0.00	0.0	4.613	0.000	0	0	0	3
PL.42633	PD.8531	A	4ACSR	7.38Y	123.0	0.00	3.04	1.83	1	13	4	96	0.00	0.0	4.655	0.042	0	0	0	3
442894	PL.42633	A	Consumer	7.38Y	123.0	0.00	3.04	0.99	0	7	2	96	0.00	0.0	4.655	0.000	7	2	1	1
442823	PL.42633	A	Consumer	7.38Y	123.0	0.00	3.04	0.81	0	6	2	95	0.00	0.0	4.655	0.000	6	2	1	1
442846	PL.42633	A	Consumer	7.38Y	123.0	0.00	3.04	0.00	0	0	0	100	0.00	0.0	4.655	0.000	0	0	0	0
442811	PL.42633	A	Consumer	7.38Y	123.0	0.00	3.04	0.03	0	0	0	100	0.00	0.0	4.655	0.000	0	0	1	1
PL.12233	PL.12232	A	4ACSR	7.37Y	122.9	0.08	3.12	16.89	9	119	37	95	0.07	0.1	4.715	0.106	0	0	0	31
		C		7.31Y	121.8	0.01	4.23	0.00	0	0	0	100					0	0	0	0
PL.42634	PL.12233	A	4ACSR	7.37Y	122.9	0.00	3.12	0.27	0	2	1	89	0.00	0.0	4.719	0.004	0	0	0	1
		C		7.31Y	121.8	0.00	4.23	0.00	0	0	0	100					0	0	0	0
PD.8532	PL.42634	A	fuse6AMP	7.37Y	122.9	0.00	3.12	0.27	5	2	1	89	0.00	0.0	4.719	0.000	0	0	0	1
PL.42635	PD.8532	A	4ACSR	7.37Y	122.9	0.00	3.12	0.27	0	2	1	89	0.00	0.0	4.764	0.045	0	0	0	1
442850	PL.42635	A	Consumer	7.37Y	122.9	0.00	3.12	0.27	0	2	1	89	0.00	0.0	4.764	0.000	2	1	1	1
PL.12234	PL.12233	A	4ACSR	7.37Y	122.8	0.05	3.16	16.63	9	117	37	95	0.04	0.0	4.777	0.061	0	0	0	30
		C		7.31Y	121.8	0.00	4.23	0.00	0	0	0	100					0	0	0	0

Unbalanced Voltage Drop Report
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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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.6789	PL.12234	A	4ACSR	7.37Y	122.8	0.06	3.22	16.14	8	114	36	95	0.05	0.0	4.862	0.085	0	0	0	27
		C		7.31Y	121.8	0.00	4.23	0.00	0	0	0	100					0	0	0	0
PL.6792	PL.6789	A	4ACSR	7.36Y	122.7	0.06	3.28	15.09	8	106	33	95	0.05	0.0	4.945	0.084	0	0	0	25
442880	PL.6792	A	Consumer	7.36Y	122.7	0.00	3.28	0.52	0	4	1	97	0.00	0.0	4.945	0.000	4	1	1	1
442853	PL.6792	A	Consumer	7.36Y	122.7	0.00	3.28	0.23	0	2	0	100	0.00	0.0	4.945	0.000	2	0	1	1
442917	PL.6792	A	Consumer	7.36Y	122.7	0.00	3.28	0.59	0	4	1	97	0.00	0.0	4.945	0.000	4	1	1	1
442840	PL.6792	A	Consumer	7.36Y	122.7	0.00	3.28	1.53	0	11	3	96	0.00	0.0	4.945	0.000	11	3	1	1
442854	PL.6792	A	Consumer	7.36Y	122.7	0.00	3.28	0.00	0	0	0	100	0.00	0.0	4.945	0.000	0	0	0	0
442879	PL.6792	A	Consumer	7.36Y	122.7	0.00	3.28	0.04	0	0	0	100	0.00	0.0	4.945	0.000	0	0	1	1
442828	PL.6792	A	Consumer	7.36Y	122.7	0.00	3.28	0.43	0	3	1	95	0.00	0.0	4.945	0.000	3	1	1	1
PL.42641	PL.6792	A	4ACSR	7.36Y	122.7	0.00	3.28	2.53	1	18	6	95	0.00	0.0	4.953	0.008	0	0	0	3
PD.8535	PL.42641	A	fuse6AMP	7.36Y	122.7	0.00	3.28	2.53	43	18	6	95	0.00	0.0	4.953	0.000	0	0	0	3
PL.42642	PD.8535	A	4ACSR	7.36Y	122.7	0.01	3.29	2.53	1	18	6	95	0.00	0.0	5.055	0.101	0	0	0	3
PL.31871	PL.42642	A	4ACSR	7.36Y	122.7	0.00	3.30	1.22	1	9	3	95	0.00	0.0	5.120	0.065	0	0	0	1
4428095	PL.31871	A	Consumer	7.36Y	122.7	0.00	3.30	1.22	0	9	3	95	0.00	0.0	5.120	0.000	9	3	1	1
PL.31873	PL.42642	A	4ACSR	7.36Y	122.7	0.00	3.30	1.31	1	9	3	95	0.00	0.0	5.100	0.046	0	0	0	2
442927	PL.31873	A	Consumer	7.36Y	122.7	0.00	3.30	0.22	0	2	0	100	0.00	0.0	5.100	0.000	2	0	1	1
PL.20659	PL.31873	A	4ACSR	7.36Y	122.7	0.00	3.30	1.09	1	8	2	97	0.00	0.0	5.145	0.045	0	0	0	1
442910	PL.20659	A	Consumer	7.36Y	122.7	0.00	3.30	1.09	0	8	2	97	0.00	0.0	5.145	0.000	8	2	1	1
PL.42643	PL.6792	A	4ACSR	7.36Y	122.7	0.00	3.28	7.40	4	52	16	96	0.00	0.0	4.955	0.010	0	0	0	9
PD.8536-A	PL.42643	A	Closed	7.36Y	122.7	0.00	3.28	7.40	0	52	16	96	0.00	0.0	4.955	0.000	0	0	0	9
PD.8536-B	PD.8536-A	A	Closed	7.36Y	122.7	0.00	3.28	7.40	0	52	16	96	0.00	0.0	4.955	0.000	0	0	0	9
PL.42644	PD.8536-B	A	4ACSR	7.36Y	122.7	0.04	3.32	7.40	4	52	16	96	0.01	0.0	5.068	0.113	0	0	0	9
442919	PL.42644	A	Consumer	7.36Y	122.7	0.00	3.32	0.00	0	0	0	100	0.00	0.0	5.068	0.000	0	0	0	0
442912	PL.42644	A	Consumer	7.36Y	122.7	0.00	3.32	1.21	0	8	3	94	0.00	0.0	5.068	0.000	8	3	1	1
442904	PL.42644	A	Consumer	7.36Y	122.7	0.00	3.32	0.64	0	5	1	98	0.00	0.0	5.068	0.000	5	1	1	1
442913	PL.42644	A	Consumer	7.36Y	122.7	0.00	3.32	0.00	0	0	0	100	0.00	0.0	5.068	0.000	0	0	0	0
442925	PL.42644	A	Consumer	7.36Y	122.7	0.00	3.32	0.00	0	0	0	100	0.00	0.0	5.068	0.000	0	0	1	1
442924	PL.42644	A	Consumer	7.36Y	122.7	0.00	3.32	1.02	0	7	2	96	0.00	0.0	5.068	0.000	7	2	1	1
PL.12239	PL.42644	A	4ACSR	7.36Y	122.6	0.09	3.41	4.53	2	32	10	95	0.02	0.1	5.486	0.417	0	0	0	5
PL.12240	PL.12239	A	4ACSR	7.35Y	122.6	0.03	3.44	3.39	2	24	7	96	0.01	0.0	5.672	0.186	0	0	0	4
PL.12241	PL.12240	A	4ACSR	7.35Y	122.6	0.01	3.45	3.39	2	24	7	96	0.00	0.0	5.735	0.063	0	0	0	4
PL.42647	PL.12241	A	4ACSR	7.35Y	122.6	0.00	3.45	2.64	1	18	6	95	0.00	0.0	5.738	0.004	0	0	0	2
PD.8538	PL.42647	A	fuse6AMP	7.35Y	122.6	0.00	3.45	2.64	45	18	6	95	0.00	0.0	5.738	0.000	0	0	0	2
PL.42648	PD.8538	A	4ACSR	7.35Y	122.5	0.01	3.46	2.64	1	18	6	95	0.00	0.0	5.834	0.096	0	0	0	2
442920	PL.42648	A	Consumer	7.35Y	122.5	0.00	3.46	1.04	0	7	2	96	0.00	0.0	5.834	0.000	7	2	1	1
4429029	PL.42648	A	Consumer	7.35Y	122.5	0.00	3.46	1.60	0	11	4	94	0.00	0.0	5.834	0.000	11	4	1	1
PL.12461	PL.12241	A	4ACSR	7.35Y	122.6	0.00	3.45	0.76	0	5	2	93	0.00	0.0	5.822	0.087	0	0	0	2
442914	PL.12461	A	Consumer	7.35Y	122.6	0.00	3.45	0.73	0	5	2	93	0.00	0.0	5.822	0.000	5	2	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: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.32760	PL.12461	A	4ACSR	7.35Y	122.6	0.00	3.45	0.03	0	0	0	100	0.00	0.0	5.879	0.057	0	0	0	1
442928	PL.32760	A	Consumer	7.35Y	122.6	0.00	3.45	0.03	0	0	0	100	0.00	0.0	5.879	0.000	0	0	1	1
PL.42645	PL.12239	A	4ACSR	7.36Y	122.6	0.00	3.41	1.14	1	8	2	97	0.00	0.0	5.491	0.005	0	0	0	1
PD.8537	PL.42645	A	fuse6AMP	7.36Y	122.6	0.00	3.41	1.14	19	8	2	97	0.00	0.0	5.491	0.000	0	0	0	1
PL.42646	PD.8537	A	4ACSR	7.36Y	122.6	0.00	3.41	1.14	1	8	2	97	0.00	0.0	5.565	0.075	0	0	0	1
442926	PL.42646	A	Consumer	7.36Y	122.6	0.00	3.41	1.14	0	8	2	97	0.00	0.0	5.565	0.000	8	2	1	1
4429030	PL.42646	A	Consumer	7.36Y	122.6	0.00	3.41	0.00	0	0	0	100	0.00	0.0	5.565	0.000	0	0	0	0
PL.23200	PL.6792	A	4ACSR	7.36Y	122.7	0.00	3.28	1.83	1	13	4	96	0.00	0.0	4.978	0.033	0	0	0	7
442921	PL.23200	A	Consumer	7.36Y	122.7	0.00	3.28	0.08	0	1	0	100	0.00	0.0	4.978	0.000	1	0	1	1
442923	PL.23200	A	Consumer	7.36Y	122.7	0.00	3.28	1.42	0	10	3	96	0.00	0.0	4.978	0.000	10	3	1	1
442922	PL.23200	A	Consumer	7.36Y	122.7	0.00	3.28	0.11	0	1	0	100	0.00	0.0	4.978	0.000	1	0	1	1
442916	PL.23200	A	Consumer	7.36Y	122.7	0.00	3.28	0.01	0	0	0	100	0.00	0.0	4.978	0.000	0	0	1	1
PL.23201	PL.23200	A	4ACSR	7.36Y	122.7	0.00	3.28	0.21	0	1	0	100	0.00	0.0	5.050	0.072	0	0	0	3
PL.23199	PL.23201	A	4ACSR	7.36Y	122.7	0.00	3.28	0.00	0	0	0	100	0.00	0.0	5.126	0.076	0	0	0	1
442918	PL.23199	A	Consumer	7.36Y	122.7	0.00	3.28	0.00	0	0	0	100	0.00	0.0	5.126	0.000	0	0	1	1
442909	PL.23201	A	Consumer	7.36Y	122.7	0.00	3.28	0.00	0	0	0	100	0.00	0.0	5.050	0.000	0	0	1	1
442901	PL.23201	A	Consumer	7.36Y	122.7	0.00	3.28	0.21	0	1	0	100	0.00	0.0	5.050	0.000	1	0	1	1
4428100	PL.6789	A	Consumer	7.37Y	122.8	0.00	3.22	0.00	0	0	0	100	0.00	0.0	4.862	0.000	0	0	0	0
PL.23252	PL.6789	A	4ACSR	7.37Y	122.8	0.00	3.22	1.05	1	7	2	96	0.00	0.0	4.869	0.007	0	0	0	2
PD.978	PL.23252	A	fuse6AMP	7.37Y	122.8	0.00	3.22	1.05	18	7	2	96	0.00	0.0	4.869	0.000	0	0	0	2
PL.23253	PD.978	A	4ACSR	7.37Y	122.8	0.00	3.22	1.05	1	7	2	96	0.00	0.0	4.878	0.009	0	0	0	2
442826	PL.23253	A	Consumer	7.37Y	122.8	0.00	3.22	0.00	0	0	0	100	0.00	0.0	4.878	0.000	0	0	0	0
442812	PL.23253	A	Consumer	7.37Y	122.8	0.00	3.22	0.00	0	0	0	100	0.00	0.0	4.878	0.000	0	0	0	0
PL.23165	PL.23253	A	4ACSR	7.37Y	122.8	0.00	3.23	1.05	1	7	2	96	0.00	0.0	4.904	0.026	0	0	0	2
PL.36564	PL.23165	A	2ACSR	7.37Y	122.8	0.00	3.23	1.00	0	7	2	96	0.00	0.0	4.952	0.048	0	0	0	1
4428098	PL.36564	A	Consumer	7.37Y	122.8	0.00	3.23	1.00	0	7	2	96	0.00	0.0	4.952	0.000	7	2	1	1
442819	PL.23165	A	Consumer	7.37Y	122.8	0.00	3.23	0.05	0	0	0	100	0.00	0.0	4.904	0.000	0	0	1	1
442884	PL.23165	A	Consumer	7.37Y	122.8	0.00	3.23	0.00	0	0	0	100	0.00	0.0	4.904	0.000	0	0	0	0
442892	PL.12234	A	Consumer	7.37Y	122.8	0.00	3.16	0.28	0	2	1	89	0.00	0.0	4.777	0.000	2	1	1	1
442825	PL.12234	A	Consumer	7.37Y	122.8	0.00	3.16	0.00	0	0	0	100	0.00	0.0	4.777	0.000	0	0	1	1
442830	PL.12234	A	Consumer	7.37Y	122.8	0.00	3.16	0.21	0	1	0	100	0.00	0.0	4.777	0.000	1	0	1	1
PL.42627	PL.12232	A	4ACSR	7.38Y	123.0	0.00	3.04	5.30	3	37	12	95	0.00	0.0	4.611	0.002	0	0	0	8
PL.42630	PL.42627	A	4ACSR	7.38Y	123.0	0.00	3.04	5.30	3	37	12	95	0.00	0.0	4.612	0.001	0	0	0	8
PL.46037	PL.42630	A	4ACSR	7.38Y	123.0	0.00	3.04	3.44	2	24	8	95	0.00	0.0	4.616	0.004	0	0	0	5
PD.8530	PL.46037	A	fuse6AMP	7.38Y	123.0	0.00	3.04	3.44	59	24	8	95	0.00	0.0	4.616	0.000	0	0	0	5
PL.46038	PD.8530	A	4ACSR	7.38Y	123.0	0.01	3.05	3.44	2	24	8	95	0.00	0.0	4.703	0.087	0	0	0	5
442818	PL.46038	A	Consumer	7.38Y	123.0	0.00	3.05	0.00	0	0	0	100	0.00	0.0	4.703	0.000	0	0	0	0
442806	PL.46038	A	Consumer	7.38Y	123.0	0.00	3.05	0.33	0	2	1	89	0.00	0.0	4.703	0.000	2	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: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
442815	PL.46038	A	Consumer	7.38Y	123.0	0.00	3.05	0.28	0	2	1	89	0.00	0.0	4.703	0.000	2	1	1	1
442808	PL.46038	A	Consumer	7.38Y	123.0	0.00	3.05	0.00	0	0	0	100	0.00	0.0	4.703	0.000	0	0	0	0
442878	PL.46038	A	Consumer	7.38Y	123.0	0.00	3.05	1.01	0	7	2	96	0.00	0.0	4.703	0.000	7	2	1	1
442889	PL.46038	A	Consumer	7.38Y	123.0	0.00	3.05	0.79	0	6	2	95	0.00	0.0	4.703	0.000	6	2	1	1
442807	PL.46038	A	Consumer	7.38Y	123.0	0.00	3.05	1.02	0	7	2	96	0.00	0.0	4.703	0.000	7	2	1	1
PL.42629	PL.42630	A	4ACSR	7.38Y	123.0	0.00	3.04	1.86	1	13	4	96	0.00	0.0	4.655	0.043	0	0	0	3
442858	PL.42629	A	Consumer	7.38Y	123.0	0.00	3.04	1.23	0	9	3	95	0.00	0.0	4.655	0.000	9	3	1	1
442861	PL.42629	A	Consumer	7.38Y	123.0	0.00	3.04	0.30	0	2	1	89	0.00	0.0	4.655	0.000	2	1	1	1
4428101	PL.42629	A	Consumer	7.38Y	123.0	0.00	3.04	0.00	0	0	0	100	0.00	0.0	4.655	0.000	0	0	0	0
442876	PL.42629	A	Consumer	7.38Y	123.0	0.00	3.04	0.34	0	2	1	89	0.00	0.0	4.655	0.000	2	1	1	1
PL.12229	PL.20303	B	4ACSR	7.34Y	122.3	0.00	3.66	9.63	5	67	22	95	0.00	0.0	4.513	0.008	0	0	0	17
PL.12230	PL.12229	B	4ACSR	7.34Y	122.3	0.01	3.68	9.63	5	67	22	95	0.01	0.0	4.545	0.031	0	0	0	17
PL.43774	PL.12230	B	2ACSR	7.34Y	122.3	0.00	3.68	0.00	0	0	0	100	0.00	0.0	4.596	0.051	0	0	0	0
4428099	PL.43774	B	Consumer	7.34Y	122.3	0.00	3.68	0.00	0	0	0	100	0.00	0.0	4.596	0.000	0	0	0	0
PL.12226	PL.12230	B	4ACSR	7.34Y	122.3	0.03	3.70	8.19	4	57	19	95	0.01	0.0	4.614	0.070	0	0	0	14
442864	PL.12226	B	Consumer	7.34Y	122.3	0.00	3.70	0.00	0	0	0	100	0.00	0.0	4.614	0.000	0	0	1	1
442862	PL.12226	B	Consumer	7.34Y	122.3	0.00	3.70	1.00	0	7	3	92	0.00	0.0	4.614	0.000	7	3	1	1
PL.12235	PL.12226	B	4ACSR	7.33Y	122.2	0.07	3.78	3.35	2	23	7	96	0.01	0.1	5.094	0.479	0	0	0	6
PL.12236	PL.12235	B	4ACSR	7.33Y	122.2	0.01	3.78	2.75	1	19	6	95	0.00	0.0	5.162	0.068	0	0	0	5
442863	PL.12236	B	Consumer	7.33Y	122.2	0.00	3.78	0.18	0	1	0	100	0.00	0.0	5.162	0.000	1	0	1	1
442848	PL.12236	B	Consumer	7.33Y	122.2	0.00	3.78	1.10	0	8	2	97	0.00	0.0	5.162	0.000	8	2	1	1
PL.12237	PL.12236	B	4ACSR	7.33Y	122.2	0.00	3.79	1.48	1	10	3	96	0.00	0.0	5.197	0.035	0	0	0	3
PL.12238	PL.12237	B	4ACSR	7.33Y	122.2	0.00	3.79	1.22	1	9	3	95	0.00	0.0	5.267	0.071	0	0	0	2
442875	PL.12238	B	Consumer	7.33Y	122.2	0.00	3.79	1.21	0	8	3	94	0.00	0.0	5.267	0.000	8	3	1	1
442877	PL.12238	B	Consumer	7.33Y	122.2	0.00	3.79	0.01	0	0	0	100	0.00	0.0	5.267	0.000	0	0	1	1
PL.23197	PL.12237	B	4ACSR	7.33Y	122.2	0.00	3.79	0.26	0	2	1	89	0.00	0.0	5.234	0.038	0	0	0	1
442844	PL.23197	B	Consumer	7.33Y	122.2	0.00	3.79	0.26	0	2	1	89	0.00	0.0	5.234	0.000	2	1	1	1
PL.23333	PL.23197	B	4ACSR	7.33Y	122.2	0.00	3.79	0.00	0	0	0	100	0.00	0.0	5.300	0.065	0	0	0	0
442886	PL.23333	B	Consumer	7.33Y	122.2	0.00	3.79	0.00	0	0	0	100	0.00	0.0	5.300	0.000	0	0	0	0
PL.23196	PL.12235	B	4ACSR	7.33Y	122.2	0.00	3.78	0.60	0	4	1	97	0.00	0.0	5.226	0.132	0	0	0	1
442888	PL.23196	B	Consumer	7.33Y	122.2	0.00	3.78	0.60	0	4	1	97	0.00	0.0	5.226	0.000	4	1	1	1
442882	PL.23196	B	Consumer	7.33Y	122.2	0.00	3.78	0.00	0	0	0	100	0.00	0.0	5.226	0.000	0	0	0	0
PL.42258	PL.12226	B	4ACSR	7.34Y	122.3	0.00	3.70	3.85	2	27	8	96	0.00	0.0	4.624	0.009	0	0	0	6
PD.7672	PL.42258	B	fuse6AMP	7.34Y	122.3	0.00	3.70	3.85	66	27	8	96	0.00	0.0	4.624	0.000	0	0	0	6
PL.42259	PD.7672	B	4ACSR	7.34Y	122.3	0.02	3.72	3.85	2	27	8	96	0.00	0.0	4.731	0.108	0	0	0	6
442870	PL.42259	B	Consumer	7.34Y	122.3	0.00	3.72	0.61	0	4	1	97	0.00	0.0	4.731	0.000	4	1	1	1
PL.20306	PL.42259	B	4ACSR	7.34Y	122.3	0.01	3.73	3.24	2	23	7	96	0.00	0.0	4.781	0.049	0	0	0	5
PL.23195	PL.20306	B	4ACSR	7.34Y	122.3	0.00	3.74	1.01	1	7	2	96	0.00	0.0	4.877	0.096	0	0	0	1

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

Unbalanced Voltage Drop Report
Source: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
442881	PL.23195	B	Consumer	7.34Y	122.3	0.00	3.74	1.01	0	7	2	96	0.00	0.0	4.877	0.000	7	2	1	1
PL.20304	PL.20306	B	4ACSR	7.34Y	122.3	0.00	3.74	1.34	1	9	3	95	0.00	0.0	4.862	0.081	0	0	0	2
442842	PL.20304	B	Consumer	7.34Y	122.3	0.00	3.74	1.28	0	9	3	95	0.00	0.0	4.862	0.000	9	3	1	1
442809	PL.20304	B	Consumer	7.34Y	122.3	0.00	3.74	0.06	0	0	0	100	0.00	0.0	4.862	0.000	0	0	1	1
442871	PL.20306	B	Consumer	7.34Y	122.3	0.00	3.73	0.04	0	0	0	100	0.00	0.0	4.781	0.000	0	0	1	1
442874	PL.20306	B	Consumer	7.34Y	122.3	0.00	3.73	0.86	0	6	2	95	0.00	0.0	4.781	0.000	6	2	1	1
442893	PL.12230	B	Consumer	7.34Y	122.3	0.00	3.68	0.28	0	2	1	89	0.00	0.0	4.545	0.000	2	1	1	1
442852	PL.12230	B	Consumer	7.34Y	122.3	0.00	3.68	0.95	0	7	2	96	0.00	0.0	4.545	0.000	7	2	1	1
442865	PL.12230	B	Consumer	7.34Y	122.3	0.00	3.68	0.22	0	1	1	71	0.00	0.0	4.545	0.000	1	1	1	1
PL.12227	PL.20303	A	4ACSR	7.38Y	123.1	0.00	2.92	4.58	2	31	13	92	0.00	0.0	4.512	0.006	0	0	0	6
PD.975	PL.12227	A	fuse6AMP	7.38Y	123.1	0.00	2.92	4.58	78	31	13	92	0.00	0.0	4.512	0.000	0	0	0	6
PL.12228	PD.975	A	4ACSR	7.38Y	123.1	0.01	2.94	4.58	2	31	13	92	0.00	0.0	4.583	0.071	0	0	0	6
PL.23330	PL.12228	A	4ACSR	7.38Y	123.1	0.01	2.95	4.03	2	27	12	91	0.00	0.0	4.620	0.038	0	0	0	4
442855	PL.23330	A	Consumer	7.38Y	123.1	0.00	2.95	0.70	0	5	2	93	0.00	0.0	4.620	0.000	5	2	1	1
442859	PL.23330	A	Consumer	7.38Y	123.1	0.00	2.95	0.62	0	4	1	97	0.00	0.0	4.620	0.000	4	1	1	1
442860	PL.23330	A	Consumer	7.38Y	123.1	0.00	2.95	2.73	0	18	9	89	0.00	0.0	4.620	0.000	18	9	1	1
442868	PL.23330	A	Consumer	7.38Y	123.1	0.00	2.95	0.00	0	0	0	100	0.00	0.0	4.620	0.000	0	0	1	1
PL.6791	PL.12228	A	4ACSR	7.38Y	123.1	0.00	2.94	0.00	0	0	0	100	0.00	0.0	4.646	0.063	0	0	0	0
442802	PL.6791	A	Consumer	7.38Y	123.1	0.00	2.94	0.00	0	0	0	100	0.00	0.0	4.646	0.000	0	0	0	0
442834	PL.6791	A	Consumer	7.38Y	123.1	0.00	2.94	0.00	0	0	0	100	0.00	0.0	4.646	0.000	0	0	0	0
PL.23334	PL.6791	A	4ACSR	7.38Y	123.1	0.00	2.94	0.00	0	0	0	100	0.00	0.0	4.698	0.052	0	0	0	0
442887	PL.23334	A	Consumer	7.38Y	123.1	0.00	2.94	0.00	0	0	0	100	0.00	0.0	4.698	0.000	0	0	0	0
PL.6790	PL.6791	A	4ACSR	7.38Y	123.1	0.00	2.94	0.00	0	0	0	100	0.00	0.0	4.697	0.051	0	0	0	0
442891	PL.12228	A	Consumer	7.38Y	123.1	0.00	2.94	0.55	0	4	1	97	0.00	0.0	4.583	0.000	4	1	1	1
442866	PL.12228	A	Consumer	7.38Y	123.1	0.00	2.94	0.00	0	0	0	100	0.00	0.0	4.583	0.000	0	0	1	1
442857	PL.12228	A	Consumer	7.38Y	123.1	0.00	2.94	0.00	0	0	0	100	0.00	0.0	4.583	0.000	0	0	0	0
442872	PL.12228	A	Consumer	7.38Y	123.1	0.00	2.94	0.00	0	0	0	100	0.00	0.0	4.583	0.000	0	0	0	0
442804	PL.20303	A	Consumer	7.38Y	123.1	0.00	2.92	0.02	0	0	0	100	0.00	0.0	4.506	0.000	0	0	1	1
442873	PL.20303	A	Consumer	7.38Y	123.1	0.00	2.92	0.41	0	3	1	95	0.00	0.0	4.506	0.000	3	1	1	1
PL.20300	PL.22764	C	4ACSR	7.31Y	121.8	0.00	4.18	1.19	1	8	3	94	0.00	0.0	4.119	0.009	0	0	0	1
PD.2672	PL.20300	C	fuse6AMP	7.31Y	121.8	0.00	4.18	1.19	20	8	3	94	0.00	0.0	4.119	0.000	0	0	0	1
PL.20301	PD.2672	C	4ACSR	7.31Y	121.8	0.00	4.18	1.19	1	8	3	94	0.00	0.0	4.182	0.063	0	0	0	1
442885	PL.20301	C	Consumer	7.31Y	121.8	0.00	4.18	1.19	0	8	3	94	0.00	0.0	4.182	0.000	8	3	1	1
PL.12221	PL.20298	A	4ACSR	7.44Y	123.9	0.00	2.07	5.60	3	40	12	96	0.00	0.0	3.854	0.007	0	0	0	10
C PD.988	PL.12221	A	fuse6AMP	7.44Y	123.9	0.00	2.07	5.60	96	40	12	96	0.00	0.0	3.854	0.000	0	0	0	10 C
PL.12222	PD.988	A	4ACSR	7.43Y	123.9	0.03	2.10	5.60	3	40	12	96	0.01	0.0	3.954	0.100	0	0	0	10
443804	PL.12222	A	Consumer	7.43Y	123.9	0.00	2.10	0.24	0	2	1	89	0.00	0.0	3.954	0.000	2	1	1	1
443860	PL.12222	A	Consumer	7.43Y	123.9	0.00	2.10	0.85	0	6	2	95	0.00	0.0	3.954	0.000	6	2	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: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.33051	PL.12222	A	4ACSR	7.43Y	123.9	0.03	2.13	4.50	2	32	10	95	0.01	0.0	4.103	0.149	0	0	0	8
443835	PL.33051	A	Consumer	7.43Y	123.9	0.00	2.13	1.29	0	9	3	95	0.00	0.0	4.103	0.000	9	3	1	1
443818	PL.33051	A	Consumer	7.43Y	123.9	0.00	2.13	0.00	0	0	0	100	0.00	0.0	4.103	0.000	0	0	0	0
443817	PL.33051	A	Consumer	7.43Y	123.9	0.00	2.13	0.29	0	2	1	89	0.00	0.0	4.103	0.000	2	1	1	1
PL.28011	PL.33051	A	4ACSR	7.43Y	123.9	0.01	2.14	2.70	1	19	6	95	0.00	0.0	4.180	0.077	0	0	0	5
PL.12223	PL.28011	A	4ACSR	7.43Y	123.9	0.00	2.14	2.70	1	19	6	95	0.00	0.0	4.182	0.002	0	0	0	5
PL.12224	PL.12223	A	4ACSR	7.43Y	123.9	0.01	2.14	1.62	1	11	4	94	0.00	0.0	4.277	0.095	0	0	0	3
443849	PL.12224	A	Consumer	7.43Y	123.9	0.00	2.14	0.60	0	4	1	97	0.00	0.0	4.277	0.000	4	1	1	1
443812	PL.12224	A	Consumer	7.43Y	123.9	0.00	2.14	0.23	0	2	1	89	0.00	0.0	4.277	0.000	2	1	1	1
443815	PL.12224	A	Consumer	7.43Y	123.9	0.00	2.14	0.79	0	6	2	95	0.00	0.0	4.277	0.000	6	2	1	1
443809	PL.12223	A	Consumer	7.43Y	123.9	0.00	2.14	0.02	0	0	0	100	0.00	0.0	4.182	0.000	0	0	1	1
443826	PL.12223	A	Consumer	7.43Y	123.9	0.00	2.14	1.07	0	8	2	97	0.00	0.0	4.182	0.000	8	2	1	1
PL.33052	PL.33051	A	4ACSR	7.43Y	123.9	0.00	2.13	0.22	0	2	0	100	0.00	0.0	4.140	0.037	0	0	0	1
443842	PL.33052	A	Consumer	7.43Y	123.9	0.00	2.13	0.22	0	2	0	100	0.00	0.0	4.140	0.000	2	0	1	1
PL.12218	PL.12217	A	336ACSR	7.45Y	124.2	-0.00	1.85	29.31	4	208	66	95	0.04	0.0	3.711	0.012	0	0	0	41
		B		7.34Y	122.4	0.01	3.60	58.84	8	411	132	95					0	0	0	86
		C		7.31Y	121.9	0.01	4.12	85.01	12	589	200	95					0	0	0	116
PL.42708	PL.12218	A	336ACSR	7.45Y	124.2	-0.00	1.84	29.31	4	208	66	95	0.12	0.0	3.745	0.034	0	0	0	41
		B		7.34Y	122.4	0.02	3.63	58.84	8	411	132	95					0	0	0	86
		C		7.31Y	121.9	0.02	4.15	85.01	12	589	200	95					0	0	0	116
C PD.8132	PL.42708	A	25E	7.45Y	124.2	0.00	1.84	29.31	117	208	66	95	0.00	0.0	3.745	0.000	0	0	0	41 C
C		B		7.34Y	122.4	0.00	3.63	58.84	235	411	132	95					0	0	0	86 C
C		C		7.31Y	121.9	0.00	4.15	85.01	340	589	199	95					0	0	0	116 C
PL.42709	PD.8132	A	336ACSR	7.45Y	124.2	-0.00	1.84	29.31	4	208	66	95	0.07	0.0	3.765	0.020	0	0	0	41
		B		7.34Y	122.4	0.01	3.64	58.84	8	411	132	95					0	0	0	86
		C		7.31Y	121.8	0.01	4.16	85.01	12	589	199	95					0	0	0	116
PL.37904	PL.42709	A	4ACSR	7.45Y	124.2	0.00	1.85	2.16	1	15	5	95	0.00	0.0	3.799	0.035	0	0	0	3
4438073	PL.37904	A	Consumer	7.45Y	124.2	0.00	1.85	1.45	0	10	3	96	0.00	0.0	3.799	0.000	10	3	1	1
PL.37905	PL.37904	A	4ACSR	7.45Y	124.2	0.00	1.85	0.70	0	5	2	93	0.00	0.0	3.818	0.018	0	0	0	2
PL.23500	PL.37905	A	4ACSR	7.45Y	124.2	0.00	1.85	0.70	0	5	2	93	0.00	0.0	3.849	0.031	0	0	0	2
443845	PL.23500	A	Consumer	7.45Y	124.2	0.00	1.85	0.07	0	0	0	100	0.00	0.0	3.849	0.000	0	0	1	1
443868	PL.23500	A	Consumer	7.45Y	124.2	0.00	1.85	0.64	0	5	1	98	0.00	0.0	3.849	0.000	5	1	1	1
PL.12220	PL.42709	A	336ACSR	7.45Y	124.2	-0.00	1.84	27.15	4	193	61	95	0.08	0.0	3.787	0.023	0	0	0	38
		B		7.34Y	122.3	0.02	3.66	58.84	8	411	132	95					0	0	0	86
		C		7.31Y	121.8	0.02	4.18	85.01	12	589	199	95					0	0	0	116
PL.42704	PL.12220	A	4ACSR	7.45Y	124.2	0.00	1.85	27.15	14	193	61	95	0.01	0.0	3.791	0.003	0	0	0	38
PD.8130-A	PL.42704	A	Closed	7.45Y	124.2	0.00	1.85	27.15	0	193	61	95	0.00	0.0	3.791	0.000	0	0	0	38
PD.8130-B	PD.8130-A	A	Closed	7.45Y	124.2	0.00	1.85	27.15	0	193	61	95	0.00	0.0	3.791	0.000	0	0	0	38
PL.42705	PD.8130-B	A	4ACSR	7.45Y	124.1	0.03	1.88	27.15	14	193	61	95	0.05	0.0	3.817	0.026	0	0	0	38
PD.8131-A	PL.42705	A	Closed	7.45Y	124.1	0.00	1.88	27.15	0	193	61	95	0.00	0.0	3.817	0.000	0	0	0	38
PD.8131-B	PD.8131-A	A	Closed	7.45Y	124.1	0.00	1.88	27.15	0	193	61	95	0.00	0.0	3.817	0.000	0	0	0	38
PL.13208	PD.8131-B	A	4ACSR	7.44Y	124.0	0.11	1.99	27.15	14	193	61	95	0.16	0.1	3.906	0.089	0	0	0	38
443909	PL.13208	A	Consumer	7.44Y	124.0	0.00	1.99	0.84	0	6	2	95	0.00	0.0	3.906	0.000	6	2	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: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
443908	PL.13208	A	Consumer	7.44Y	124.0	0.00	1.99	2.20	0	16	5	95	0.00	0.0	3.906	0.000	16	5	1	1	
PL.13209	PL.13208	A	4ACSR	7.44Y	124.0	0.05	2.04	24.11	12	171	54	95	0.07	0.0	3.953	0.047	0	0	0	36	
PL.42736	PL.13209	A	4ACSR	7.41Y	123.5	0.42	2.46	21.76	11	154	49	95	0.48	0.3	4.378	0.425	0	0	0	33	
PD.8553-A	PL.42736	A	Closed	7.41Y	123.5	0.00	2.46	21.76	0	154	48	95	0.00	0.0	4.378	0.000	0	0	0	33	
PD.8553-B	PD.8553-A	A	Closed	7.41Y	123.5	0.00	2.46	21.76	0	154	48	95	0.00	0.0	4.378	0.000	0	0	0	33	
PL.42737	PD.8553-B	A	4ACSR	7.41Y	123.5	0.03	2.48	21.76	11	154	48	95	0.03	0.0	4.405	0.027	0	0	0	33	
PL.13362	PL.42737	A	4ACSR	7.40Y	123.3	0.26	2.74	20.36	10	144	45	95	0.28	0.2	4.689	0.284	0	0	0	31	
PL.42732	PL.13362	A	4ACSR	7.40Y	123.3	0.00	2.74	1.77	1	12	4	95	0.00	0.0	4.692	0.004	0	0	0	1	
PD.8551	PL.42732	A	fuse6AMP	7.40Y	123.3	0.00	2.74	1.77	30	12	4	95	0.00	0.0	4.692	0.000	0	0	0	1	
PL.42733	PD.8551	A	4ACSR	7.40Y	123.3	0.00	2.75	1.77	1	12	4	95	0.00	0.0	4.734	0.042	0	0	0	1	
443912	PL.42733	A	Consumer	7.40Y	123.3	0.00	2.75	1.77	0	12	4	95	0.00	0.0	4.734	0.000	12	4	1	1	
PL.13171	PL.13362	A	4ACSR	7.39Y	123.2	0.04	2.79	18.59	10	131	41	95	0.04	0.0	4.739	0.050	0	0	0	30	
PL.13170	PL.13171	A	4ACSR	7.39Y	123.1	0.10	2.88	16.13	8	114	36	95	0.08	0.1	4.871	0.133	0	0	0	29	
C PD.8549	PL.13170	A	fuse6AMP	7.39Y	123.1	0.00	2.88	16.13	275	114	36	95	0.00	0.0	4.871	0.000	0	0	0	29	C
PL.13173	PD.8549	A	4ACSR	7.39Y	123.1	0.03	2.92	15.21	8	107	34	95	0.03	0.0	4.920	0.049	0	0	0	28	
PL.13175	PL.13173	A	4ACSR	7.38Y	123.0	0.12	3.04	14.55	7	102	32	95	0.10	0.1	5.110	0.190	0	0	0	27	
PL.41486	PL.13175	A	4ACSR	7.38Y	122.9	0.04	3.08	14.55	7	102	32	95	0.03	0.0	5.169	0.059	0	0	0	27	
PL.42727	PL.41486	A	4ACSR	7.37Y	122.9	0.04	3.12	14.55	7	102	32	95	0.03	0.0	5.225	0.056	0	0	0	27	
PD.8547-A	PL.42727	A	Closed	7.37Y	122.9	0.00	3.12	14.55	0	102	32	95	0.00	0.0	5.225	0.000	0	0	0	27	
PD.8547-B	PD.8547-A	A	Closed	7.37Y	122.9	0.00	3.12	14.55	0	102	32	95	0.00	0.0	5.225	0.000	0	0	0	27	
PL.42726	PD.8547-B	A	4ACSR	7.36Y	122.6	0.29	3.41	14.55	7	102	32	95	0.23	0.2	5.671	0.446	0	0	0	27	
PL.42724	PL.42726	A	4ACSR	7.36Y	122.6	0.00	3.41	0.34	0	2	1	89	0.00	0.0	5.677	0.006	0	0	0	2	
PD.8546	PL.42724	A	fuse6AMP	7.36Y	122.6	0.00	3.41	0.34	6	2	1	89	0.00	0.0	5.677	0.000	0	0	0	2	
PL.42725	PD.8546	A	4ACSR	7.36Y	122.6	0.00	3.41	0.34	0	2	1	89	0.00	0.0	5.761	0.084	0	0	0	2	
453233	PL.42725	A	Consumer	7.36Y	122.6	0.00	3.41	0.00	0	0	0	100	0.00	0.0	5.761	0.000	0	0	1	1	
453219	PL.42725	A	Consumer	7.36Y	122.6	0.00	3.41	0.33	0	2	1	89	0.00	0.0	5.761	0.000	2	1	1	1	
PL.32755	PL.42726	A	4ACSR	7.35Y	122.5	0.10	3.51	14.21	7	100	31	96	0.08	0.1	5.832	0.161	0	0	0	25	
PL.42722	PL.32755	A	4ACSR	7.35Y	122.5	0.00	3.51	1.37	1	10	3	96	0.00	0.0	5.836	0.003	0	0	0	1	
PD.8545	PL.42722	A	fuse6AMP	7.35Y	122.5	0.00	3.51	1.37	23	10	3	96	0.00	0.0	5.836	0.000	0	0	0	1	
PL.42723	PD.8545	A	4ACSR	7.35Y	122.5	0.00	3.52	1.37	1	10	3	96	0.00	0.0	5.867	0.031	0	0	0	1	
4532043	PL.42723	A	Consumer	7.35Y	122.5	0.00	3.52	1.37	0	10	3	96	0.00	0.0	5.867	0.000	10	3	1	1	
PL.42721	PL.32755	A	4ACSR	7.35Y	122.5	0.02	3.53	12.84	7	90	28	95	0.01	0.0	5.867	0.035	0	0	0	24	
PD.8544-A	PL.42721	A	Closed	7.35Y	122.5	0.00	3.53	12.84	0	90	28	95	0.00	0.0	5.867	0.000	0	0	0	24	
PD.8544-B	PD.8544-A	A	Closed	7.35Y	122.5	0.00	3.53	12.84	0	90	28	95	0.00	0.0	5.867	0.000	0	0	0	24	
PL.42720	PD.8544-B	A	4ACSR	7.35Y	122.5	0.01	3.54	12.84	7	90	28	95	0.01	0.0	5.882	0.015	0	0	0	24	
PL.13572	PL.42720	A	4ACSR	7.35Y	122.4	0.04	3.58	12.84	7	90	28	95	0.02	0.0	5.943	0.061	0	0	0	23	
453220	PL.13572	A	Consumer	7.35Y	122.4	0.00	3.58	0.00	0	0	0	100	0.00	0.0	5.943	0.000	0	0	0	0	
PL.13571	PL.13572	A	4ACSR	7.34Y	122.4	0.02	3.60	12.10	6	85	27	95	0.01	0.0	5.980	0.037	0	0	0	21	

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: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.13038	PL.13571	A	4ACSR	7.34Y	122.4	0.02	3.61	8.31	4	58	18	96	0.01	0.0	6.023	0.043	0	0	0	12
PL.6986	PL.13038	A	4ACSR	7.34Y	122.4	0.02	3.64	7.17	4	50	16	95	0.01	0.0	6.090	0.067	0	0	0	11
453230	PL.6986	A	Consumer	7.34Y	122.4	0.00	3.64	0.29	0	2	1	89	0.00	0.0	6.090	0.000	2	1	1	1
453236	PL.6986	A	Consumer	7.34Y	122.4	0.00	3.64	1.38	0	10	3	96	0.00	0.0	6.090	0.000	10	3	1	1
PL.42717	PL.6986	A	4ACSR	7.34Y	122.3	0.02	3.66	5.50	3	39	12	96	0.01	0.0	6.179	0.089	0	0	0	9
PD.8541-A	PL.42717	A	Closed	7.34Y	122.3	0.00	3.66	5.50	0	38	12	95	0.00	0.0	6.179	0.000	0	0	0	9
PD.8541-B	PD.8541-A	A	Closed	7.34Y	122.3	0.00	3.66	5.50	0	38	12	95	0.00	0.0	6.179	0.000	0	0	0	9
PL.42716	PD.8541-B	A	4ACSR	7.34Y	122.3	0.00	3.66	5.50	3	38	12	95	0.00	0.0	6.189	0.010	0	0	0	9
PL.42714	PL.42716	A	4ACSR	7.34Y	122.3	0.00	3.66	0.87	0	6	2	95	0.00	0.0	6.194	0.005	0	0	0	2
PD.8540-A	PL.42714	A	Closed	7.34Y	122.3	0.00	3.66	0.87	0	6	2	95	0.00	0.0	6.194	0.000	0	0	0	2
PD.8540-B	PD.8540-A	A	Closed	7.34Y	122.3	0.00	3.66	0.87	0	6	2	95	0.00	0.0	6.194	0.000	0	0	0	2
PL.42715	PD.8540-B	A	4ACSR	7.34Y	122.3	0.00	3.67	0.87	0	6	2	95	0.00	0.0	6.295	0.102	0	0	0	2
PL.40861	PL.42715	A	2ACSR	7.34Y	122.3	0.00	3.67	0.03	0	0	0	100	0.00	0.0	6.358	0.063	0	0	0	1
4532044	PL.40861	A	Consumer	7.34Y	122.3	0.00	3.67	0.03	0	0	0	100	0.00	0.0	6.358	0.000	0	0	1	1
PL.40863	PL.42715	A	4ACSR	7.34Y	122.3	0.00	3.67	0.84	0	6	2	95	0.00	0.0	6.346	0.050	0	0	0	1
PL.45154	PL.40863	A	4ACSR	7.34Y	122.3	0.00	3.67	0.00	0	0	0	100	0.00	0.0	6.456	0.110	0	0	0	0
4532045	PL.45154	A	Consumer	7.34Y	122.3	0.00	3.67	0.00	0	0	0	100	0.00	0.0	6.456	0.000	0	0	0	0
PL.23075	PL.40863	A	4ACSR	7.34Y	122.3	0.00	3.67	0.84	0	6	2	95	0.00	0.0	6.409	0.063	0	0	0	1
PL.20441	PL.23075	A	4ACSR	7.34Y	122.3	0.00	3.67	0.00	0	0	0	100	0.00	0.0	6.460	0.052	0	0	0	0
PL.20442	PL.20441	A	4ACSR	7.34Y	122.3	0.00	3.67	0.00	0	0	0	100	0.00	0.0	6.667	0.206	0	0	0	0
453237	PL.23075	A	Consumer	7.34Y	122.3	0.00	3.67	0.84	0	6	2	95	0.00	0.0	6.409	0.000	6	2	1	1
PL.6989	PL.42716	A	4ACSR	7.34Y	122.3	0.03	3.69	4.53	2	32	10	95	0.01	0.0	6.323	0.134	0	0	0	6
453217	PL.6989	A	Consumer	7.34Y	122.3	0.00	3.69	0.82	0	6	2	95	0.00	0.0	6.323	0.000	6	2	1	1
453228	PL.6989	A	Consumer	7.34Y	122.3	0.00	3.69	0.00	0	0	0	100	0.00	0.0	6.323	0.000	0	0	0	0
PL.32758	PL.6989	A	4ACSR	7.34Y	122.3	0.02	3.71	3.71	2	26	8	96	0.00	0.0	6.451	0.127	0	0	0	5
PL.32757	PL.32758	A	4ACSR	7.34Y	122.3	0.00	3.71	3.71	2	26	8	96	0.00	0.0	6.477	0.026	0	0	0	5
PL.6983	PL.32757	A	4ACSR	7.34Y	122.3	0.01	3.73	3.71	2	26	8	96	0.00	0.0	6.554	0.077	0	0	0	5
453313	PL.6983	A	Consumer	7.34Y	122.3	0.00	3.73	0.63	0	4	1	97	0.00	0.0	6.554	0.000	4	1	1	1
PL.6982	PL.6983	A	4ACSR	7.34Y	122.3	0.00	3.73	3.08	2	22	7	95	0.00	0.0	6.585	0.032	0	0	0	4
453314	PL.6982	A	Consumer	7.34Y	122.3	0.00	3.73	0.00	0	0	0	100	0.00	0.0	6.585	0.000	0	0	0	0
453308	PL.6982	A	Consumer	7.34Y	122.3	0.00	3.73	1.45	0	10	3	96	0.00	0.0	6.585	0.000	10	3	1	1
PL.23013	PL.6982	A	4ACSR	7.34Y	122.3	0.00	3.74	1.64	1	11	4	94	0.00	0.0	6.643	0.057	0	0	0	3
453312	PL.23013	A	Consumer	7.34Y	122.3	0.00	3.74	0.00	0	0	0	100	0.00	0.0	6.643	0.000	0	0	0	0
453319	PL.23013	A	Consumer	7.34Y	122.3	0.00	3.74	0.51	0	4	1	97	0.00	0.0	6.643	0.000	4	1	1	1
453203	PL.23013	A	Consumer	7.34Y	122.3	0.00	3.74	0.52	0	4	1	97	0.00	0.0	6.643	0.000	4	1	1	1
453210	PL.23013	A	Consumer	7.34Y	122.3	0.00	3.74	0.61	0	4	1	97	0.00	0.0	6.643	0.000	4	1	1	1
PL.41488	PL.6982	A	4ACSR	7.34Y	122.3	0.00	3.73	0.00	0	0	0	100	0.00	0.0	6.611	0.025	0	0	0	0
PD.7453-B	PL.41488	A	Open	7.34Y	122.3	0.00	3.73	0.00	0	0	0	100	0.00	0.0	6.611	0.000	0	0	0	0

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Unbalanced Voltage Drop Report
Source: BLEVINS VALLEY

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	Element Length (mi)	KW	KVAR	Cons On	Cons Thru
453204	PL.42716	A	Consumer	7.34Y	122.3	0.00	3.66	0.10	0	1	0	100	0.00	0.0	6.189	0.000	1	0	1	1
453206	PL.13038	A	Consumer	7.34Y	122.4	0.00	3.61	1.14	0	8	2	97	0.00	0.0	6.023	0.000	8	2	1	1
PL.42718	PL.13571	A	4ACSR	7.34Y	122.4	0.00	3.60	3.17	2	22	7	95	0.00	0.0	5.987	0.007	0	0	0	7
PD.8542-A	PL.42718	A	Closed	7.34Y	122.4	0.00	3.60	3.17	0	22	7	95	0.00	0.0	5.987	0.000	0	0	0	7
PD.8542-B	PD.8542-A	A	Closed	7.34Y	122.4	0.00	3.60	3.17	0	22	7	95	0.00	0.0	5.987	0.000	0	0	0	7
PL.42719	PD.8542-B	A	4ACSR	7.34Y	122.4	0.01	3.61	3.17	2	22	7	95	0.00	0.0	6.034	0.047	0	0	0	7
PL.22445	PL.42719	A	4ACSR	7.34Y	122.4	0.00	3.61	3.17	2	22	7	95	0.00	0.0	6.063	0.030	0	0	0	7
PL.22446	PL.22445	A	4ACSR	7.34Y	122.4	0.01	3.62	2.64	1	19	6	95	0.00	0.0	6.147	0.084	0	0	0	6
PL.23009	PL.22446	A	4ACSR	7.34Y	122.4	0.00	3.62	1.56	1	11	3	96	0.00	0.0	6.183	0.036	0	0	0	5
PL.23010	PL.23009	A	4ACSR	7.34Y	122.4	0.00	3.63	1.56	1	11	3	96	0.00	0.0	6.217	0.034	0	0	0	5
PL.23011	PL.23010	A	4ACSR	7.34Y	122.4	0.00	3.63	1.56	1	11	3	96	0.00	0.0	6.253	0.036	0	0	0	5
PL.22447	PL.23011	A	4ACSR	7.34Y	122.4	0.00	3.63	1.56	1	11	3	96	0.00	0.0	6.255	0.002	0	0	0	5
453231	PL.22447	A	Consumer	7.34Y	122.4	0.00	3.63	0.24	0	2	1	89	0.00	0.0	6.255	0.000	2	1	1	1
PL.22448	PL.22447	A	4ACSR	7.34Y	122.4	0.00	3.63	1.32	1	9	3	95	0.00	0.0	6.337	0.082	0	0	0	4
PL.23014	PL.22448	A	4ACSR	7.34Y	122.4	0.00	3.64	1.32	1	9	3	95	0.00	0.0	6.377	0.039	0	0	0	4
PL.23065	PL.23014	A	4ACSR	7.34Y	122.4	0.00	3.64	1.32	1	9	3	95	0.00	0.0	6.411	0.035	0	0	0	4
PL.23067	PL.23065	A	4ACSR	7.34Y	122.4	0.00	3.64	0.79	0	6	2	95	0.00	0.0	6.452	0.041	0	0	0	3
PL.23068	PL.23067	A	4ACSR	7.34Y	122.4	0.00	3.64	0.79	0	6	2	95	0.00	0.0	6.523	0.072	0	0	0	3
453232	PL.23068	A	Consumer	7.34Y	122.4	0.00	3.64	0.39	0	3	1	95	0.00	0.0	6.523	0.000	3	1	1	1
453227	PL.23068	A	Consumer	7.34Y	122.4	0.00	3.64	0.00	0	0	0	100	0.00	0.0	6.523	0.000	0	0	1	1
PL.23069	PL.23068	A	4ACSR	7.34Y	122.4	0.00	3.64	0.40	0	3	1	95	0.00	0.0	6.564	0.041	0	0	0	1
453226	PL.23069	A	Consumer	7.34Y	122.4	0.00	3.64	0.40	0	3	1	95	0.00	0.0	6.564	0.000	3	1	1	1
PL.23066	PL.23065	A	4ACSR	7.34Y	122.4	0.00	3.64	0.53	0	4	1	97	0.00	0.0	6.480	0.069	0	0	0	1
453225	PL.23066	A	Consumer	7.34Y	122.4	0.00	3.64	0.53	0	4	1	97	0.00	0.0	6.480	0.000	4	1	1	1
453213	PL.22446	A	Consumer	7.34Y	122.4	0.00	3.62	1.08	0	8	2	97	0.00	0.0	6.147	0.000	8	2	1	1
453229	PL.22445	A	Consumer	7.34Y	122.4	0.00	3.61	0.53	0	4	1	97	0.00	0.0	6.063	0.000	4	1	1	1
453221	PL.13571	A	Consumer	7.34Y	122.4	0.00	3.60	0.00	0	0	0	100	0.00	0.0	5.980	0.000	0	0	0	0
453207	PL.13571	A	Consumer	7.34Y	122.4	0.00	3.60	0.61	0	4	1	97	0.00	0.0	5.980	0.000	4	1	1	1
453215	PL.13571	A	Consumer	7.34Y	122.4	0.00	3.60	0.00	0	0	0	100	0.00	0.0	5.980	0.000	0	0	1	1
PL.21234	PL.13572	A	4ACSR	7.35Y	122.4	0.00	3.58	0.74	0	5	2	93	0.00	0.0	5.950	0.007	0	0	0	2
PD.8543	PL.21234	A	fuse6AMP	7.35Y	122.4	0.00	3.58	0.74	13	5	2	93	0.00	0.0	5.950	0.000	0	0	0	2
PL.21235	PD.8543	A	4ACSR	7.35Y	122.4	0.00	3.58	0.74	0	5	2	93	0.00	0.0	5.993	0.043	0	0	0	2
453214	PL.21235	A	Consumer	7.35Y	122.4	0.00	3.58	0.26	0	2	1	89	0.00	0.0	5.993	0.000	2	1	1	1
453208	PL.21235	A	Consumer	7.35Y	122.4	0.00	3.58	0.48	0	3	1	95	0.00	0.0	5.993	0.000	3	1	1	1
453224	PL.42720	A	Consumer	7.35Y	122.5	0.00	3.54	0.00	0	0	0	100	0.00	0.0	5.882	0.000	0	0	1	1
PL.42728	PL.13173	A	4ACSR	7.39Y	123.1	0.00	2.92	0.66	0	5	1	98	0.00	0.0	4.926	0.005	0	0	0	1
PD.8548	PL.42728	A	fuse6AMP	7.39Y	123.1	0.00	2.92	0.66	11	5	1	98	0.00	0.0	4.926	0.000	0	0	0	1
PL.42729	PD.8548	A	4ACSR	7.38Y	123.1	0.00	2.92	0.66	0	5	1	98	0.00	0.0	4.979	0.053	0	0	0	1

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Unbalanced Voltage Drop Report
Source: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
443910	PL.42729	A	Consumer	7.38Y	123.1	0.00	2.92	0.66	0	5	1	98	0.00	0.0	4.979	0.000	5	1	1	1
PL.13174	PD.8549	A	4ACSR	7.39Y	123.1	0.00	2.88	0.91	0	6	2	95	0.00	0.0	4.919	0.048	0	0	0	1
443911	PL.13174	A	Consumer	7.39Y	123.1	0.00	2.88	0.91	0	6	2	95	0.00	0.0	4.919	0.000	6	2	1	1
PL.42730	PL.13171	A	4ACSR	7.39Y	123.2	0.00	2.79	2.47	1	17	5	96	0.00	0.0	4.744	0.005	0	0	0	1
PD.8550	PL.42730	A	fuse6AMP	7.39Y	123.2	0.00	2.79	2.47	42	17	5	96	0.00	0.0	4.744	0.000	0	0	0	1
PL.42731	PD.8550	A	4ACSR	7.39Y	123.2	0.01	2.79	2.47	1	17	5	96	0.00	0.0	4.801	0.057	0	0	0	1
443913	PL.42731	A	Consumer	7.39Y	123.2	0.00	2.79	2.47	0	17	5	96	0.00	0.0	4.801	0.000	17	5	1	1
PL.42734	PL.42737	A	4ACSR	7.41Y	123.5	0.00	2.48	1.41	1	10	3	96	0.00	0.0	4.411	0.005	0	0	0	2
PD.8552	PL.42734	A	fuse6AMP	7.41Y	123.5	0.00	2.48	1.41	24	10	3	96	0.00	0.0	4.411	0.000	0	0	0	2
PL.42735	PD.8552	A	4ACSR	7.41Y	123.5	0.00	2.49	1.41	1	10	3	96	0.00	0.0	4.461	0.050	0	0	0	2
PL.29894	PL.42735	A	4ACSR	7.41Y	123.5	0.00	2.49	1.41	1	10	3	96	0.00	0.0	4.512	0.051	0	0	0	2
4439015	PL.29894	A	Consumer	7.41Y	123.5	0.00	2.49	0.03	0	0	0	100	0.00	0.0	4.512	0.000	0	0	1	1
PL.29895	PL.29894	A	4ACSR	7.41Y	123.5	0.00	2.49	1.38	1	10	3	96	0.00	0.0	4.591	0.080	0	0	0	1
443914	PL.29895	A	Consumer	7.41Y	123.5	0.00	2.49	1.38	0	10	3	96	0.00	0.0	4.591	0.000	10	3	1	1
PL.13210	PL.13209	A	4ACSR	7.44Y	124.0	0.00	2.04	2.34	1	17	5	96	0.00	0.0	3.991	0.038	0	0	0	3
443907	PL.13210	A	Consumer	7.44Y	124.0	0.00	2.04	0.47	0	3	1	95	0.00	0.0	3.991	0.000	3	1	1	1
4439016	PL.13210	A	Consumer	7.44Y	124.0	0.00	2.04	0.81	0	6	2	95	0.00	0.0	3.991	0.000	6	2	1	1
443906	PL.13210	A	Consumer	7.44Y	124.0	0.00	2.04	1.06	0	8	2	97	0.00	0.0	3.991	0.000	8	2	1	1
PL.43121	PL.12220	B	6ACWC	7.33Y	122.1	0.25	3.91	58.84	31	411	132	95	2.06	0.2	3.871	0.084	0	0	0	86
		C		7.29Y	121.5	0.27	4.45	85.01	44	589	199	95					0	0	0	116
PL.43128	PL.43121	C	6ACWC	7.29Y	121.5	0.00	4.45	0.00	0	0	0	100	0.00	0.0	3.957	0.086	0	0	0	0
443824	PL.43121	B	Consumer	7.33Y	122.1	0.00	3.91	0.31	0	2	1	89	0.00	0.0	3.871	0.000	2	1	1	1
4438074	PL.43121	B	Consumer	7.33Y	122.1	0.00	3.91	0.00	0	0	0	100	0.00	0.0	3.871	0.000	0	0	0	0
PL.43124	PL.43121	B	4ACSR	7.33Y	122.1	0.00	3.91	0.73	0	5	2	93	0.00	0.0	3.881	0.010	0	0	0	1
		C		7.29Y	121.5	-0.00	4.45	0.00	0	0	0	100					0	0	0	0
PD.8129	PL.43124	B	fuse6AMP	7.33Y	122.1	0.00	3.91	0.73	12	5	2	93	0.00	0.0	3.881	0.000	0	0	0	1
PL.43125	PD.8129	B	4ACSR	7.33Y	122.1	0.00	3.91	0.73	0	5	2	93	0.00	0.0	3.937	0.056	0	0	0	1
443847	PL.43125	B	Consumer	7.33Y	122.1	0.00	3.91	0.73	0	5	2	93	0.00	0.0	3.937	0.000	5	2	1	1
PL.43126	PL.43121	B	6ACWC	7.32Y	122.0	0.13	4.04	57.80	30	403	129	95	1.03	0.1	3.913	0.042	0	0	0	84
		C		7.28Y	121.4	0.14	4.59	85.01	44	587	198	95					0	0	0	116
443821	PL.43126	C	Consumer	7.28Y	121.4	0.00	4.59	1.19	0	8	3	94	0.00	0.0	3.913	0.000	8	3	1	1
PL.43127	PL.43126	B	6ACWC	7.30Y	121.7	0.22	4.26	57.80	30	403	129	95	1.79	0.2	3.988	0.075	0	0	0	84
		C		7.27Y	121.2	0.24	4.83	83.82	44	579	195	95					0	0	0	115
PL.43120	PL.43127	B	4ACSR	7.30Y	121.7	0.07	4.33	57.80	30	402	129	95	0.57	0.1	4.012	0.024	0	0	0	84
		C		7.27Y	121.1	0.08	4.91	83.82	43	578	194	95					0	0	0	115
PL.6878	PL.43120	B	4ACSR	7.29Y	121.5	0.20	4.53	55.48	29	386	124	95	1.69	0.2	4.086	0.073	0	0	0	80
		C		7.25Y	120.8	0.24	5.15	83.82	43	577	194	95					0	0	0	115
443807	PL.6878	B	Consumer	7.29Y	121.5	0.00	4.53	0.31	0	2	1	89	0.00	0.0	4.086	0.000	2	1	1	1
443857	PL.6878	B	Consumer	7.29Y	121.5	0.00	4.53	0.59	0	4	1	97	0.00	0.0	4.086	0.000	4	1	1	1
443852	PL.6878	B	Consumer	7.29Y	121.5	0.00	4.53	1.07	0	7	2	96	0.00	0.0	4.086	0.000	7	2	1	1
PL.28135	PL.6878	B	4ACSR	7.29Y	121.4	0.03	4.57	53.50	28	371	120	95	0.27	0.0	4.098	0.012	0	0	0	77
		C		7.25Y	120.8	0.04	5.19	83.82	43	576	193	95					0	0	0	115

Unbalanced Voltage Drop Report
Source: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
RG.15	PL.28135	B	1ph-100A-7	7.56Y	126.0	-4.57	-0.00	53.50	54	371	120	95	percent Boost= 3.76 Tap= 6.0							77
C		C		7.56Y	126.0	-5.19	0.00	83.82	84	576	193	95	percent Boost= 4.30 Tap= 6.9						C	
PL.28136	RG.15	B	4ACSR	7.52Y	125.3	0.72	0.72	51.56	27	371	120	95	5.77	0.6	4.377	0.279	0	0	0	77
		C		7.51Y	125.1	0.87	0.87	80.37	41	576	193	95					0	0	0	115
PL.13428	PL.28136	B	4ACSR	7.50Y	125.0	0.30	1.02	51.56	27	369	119	95	2.40	0.3	4.493	0.116	0	0	0	77
		C		7.49Y	124.8	0.36	1.24	80.17	41	571	190	95					0	0	0	114
PL.42696	PL.13428	B	4ACSR	7.49Y	124.8	0.15	1.17	48.88	25	349	113	95	1.25	0.1	4.555	0.063	0	0	0	74
		C		7.47Y	124.6	0.20	1.44	80.17	41	569	189	95					0	0	0	114
PD.8126-A	PL.42696	B	Closed	7.49Y	124.8	0.00	1.17	48.88	0	348	113	95	0.00	0.0	4.555	0.000	0	0	0	74
		C		7.47Y	124.6	0.00	1.44	80.17	0	569	189	95					0	0	0	114
PD.8126-B	PD.8126-A	B	Closed	7.49Y	124.8	0.00	1.17	48.88	0	348	113	95	0.00	0.0	4.555	0.000	0	0	0	74
		C		7.47Y	124.6	0.00	1.44	80.17	0	569	189	95					0	0	0	114
PL.42697	PD.8126-B	B	4ACSR	7.49Y	124.8	0.01	1.18	48.88	25	348	113	95	0.07	0.0	4.559	0.004	0	0	0	74
		C		7.47Y	124.6	0.01	1.45	80.17	41	569	189	95					0	0	0	114
PL.42694	PL.42697	C	4ACSR	7.47Y	124.6	0.00	1.45	1.99	1	14	4	96	0.00	0.0	4.563	0.004	0	0	0	3
PD.8125	PL.42694	C	fuse6AMP	7.47Y	124.6	0.00	1.45	1.99	34	14	4	96	0.00	0.0	4.563	0.000	0	0	0	3
PL.42695	PD.8125	C	4ACSR	7.47Y	124.5	0.01	1.45	1.99	1	14	4	96	0.00	0.0	4.640	0.077	0	0	0	3
PL.2567	PL.42695	C	4ACSR	7.47Y	124.5	0.00	1.46	0.24	0	2	1	89	0.00	0.0	4.765	0.125	0	0	0	1
PL.2566	PL.2567	C	4ACSR	7.47Y	124.5	0.00	1.46	0.24	0	2	1	89	0.00	0.0	4.831	0.066	0	0	0	1
444940	PL.2566	C	Consumer	7.47Y	124.5	0.00	1.46	0.24	0	2	1	89	0.00	0.0	4.831	0.000	2	1	1	1
PL.2584	PL.42695	C	4ACSR	7.47Y	124.5	0.00	1.46	1.56	1	11	3	96	0.00	0.0	4.674	0.034	0	0	0	1
444955	PL.2584	C	Consumer	7.47Y	124.5	0.00	1.46	1.56	0	11	3	96	0.00	0.0	4.674	0.000	11	3	1	1
444903	PL.42695	C	Consumer	7.47Y	124.5	0.00	1.45	0.19	0	1	0	100	0.00	0.0	4.640	0.000	1	0	1	1
PL.13430	PL.42697	B	4ACSR	7.46Y	124.4	0.43	1.60	48.88	25	348	113	95	3.36	0.4	4.733	0.174	0	0	0	74
		C		7.44Y	124.0	0.53	1.98	78.18	40	554	184	95					0	0	0	111
PL.6877	PL.13430	B	4ACSR	7.46Y	124.3	0.10	1.70	48.88	25	347	112	95	0.81	0.1	4.775	0.042	0	0	0	74
		C		7.43Y	123.9	0.13	2.11	78.18	40	552	183	95					0	0	0	111
444905	PL.6877	C	Consumer	7.43Y	123.9	0.00	2.11	0.69	0	5	2	93	0.00	0.0	4.775	0.000	5	2	1	1
PL.6873	PL.6877	B	4ACSR	7.46Y	124.3	0.04	1.74	48.88	25	347	112	95	0.32	0.0	4.791	0.017	0	0	0	74
		C		7.43Y	123.8	0.05	2.16	77.49	40	547	181	95					0	0	0	110
PL.32719	PL.6873	B	4ACSR	7.44Y	124.0	0.26	2.00	47.79	25	339	110	95	1.99	0.2	4.898	0.107	0	0	0	70
		C		7.41Y	123.5	0.32	2.48	76.76	40	541	179	95					0	0	0	109
PL.32720	PL.32719	B	4ACSR	7.44Y	123.9	0.08	2.08	47.79	25	338	110	95	0.63	0.1	4.933	0.034	0	0	0	70
		C		7.41Y	123.4	0.10	2.58	76.76	40	540	178	95					0	0	0	109
PL.42688	PL.32720	B	4ACSR	7.43Y	123.9	0.03	2.11	47.79	25	338	110	95	0.23	0.0	4.945	0.012	0	0	0	70
		C		7.40Y	123.4	0.04	2.62	76.76	40	540	178	95					0	0	0	109
444904	PL.42688	C	Consumer	7.40Y	123.4	0.00	2.62	0.30	0	2	1	89	0.00	0.0	4.945	0.000	2	1	1	1
PL.42689	PL.42688	B	4ACSR	7.42Y	123.6	0.27	2.38	47.79	25	338	110	95	2.09	0.2	5.058	0.113	0	0	0	70
		C		7.38Y	123.0	0.34	2.96	76.46	39	537	177	95					0	0	0	108
PL.41698	PL.42689	C	1/0EPRJCN	7.38Y	123.0	0.01	2.96	2.17	1	15	4	97	0.00	0.0	5.173	0.115	0	0	0	1
4449065	PL.41698	C	Consumer	7.38Y	123.0	0.00	2.96	2.19	0	15	5	95	0.00	0.0	5.173	0.000	15	5	1	1
PL.41700	PL.42689	B	4ACSR	7.39Y	123.2	0.42	2.81	47.79	25	337	110	95	3.16	0.4	5.236	0.178	0	0	0	70
		C		7.35Y	122.5	0.52	3.47	74.29	38	521	172	95					0	0	0	107
PL.13159	PL.41700	B	4ACSR	7.38Y	123.0	0.24	3.04	42.90	22	301	98	95	1.78	0.2	5.346	0.109	0	0	0	65
		C		7.33Y	122.2	0.31	3.79	72.83	38	509	168	95					0	0	0	104
444907	PL.13159	C	Consumer	7.33Y	122.2	0.00	3.79	0.00	0	0	0	100	0.00	0.0	5.346	0.000	0	0	0	0

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

Unbalanced Voltage Drop Report
Source: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
444942	PL.13159	C	Consumer	7.33Y	122.2	0.00	3.79	0.06	0	0	0	100	0.00	0.0	5.346	0.000	0	0	1	1
444908	PL.13159	C	Consumer	7.33Y	122.2	0.00	3.79	1.27	0	9	3	95	0.00	0.0	5.346	0.000	9	3	1	1
PL.13160	PL.13159	B	4ACSR	7.37Y	122.8	0.19	3.23	42.90	22	301	98	95	1.41	0.2	5.435	0.089	0	0	0	65
		C		7.32Y	122.0	0.25	4.04	71.51	37	498	164	95					0	0	0	102
444956	PL.13160	C	Consumer	7.32Y	122.0	0.00	4.04	1.08	0	8	2	97	0.00	0.0	5.435	0.000	8	2	1	1
444922	PL.13160	C	Consumer	7.32Y	122.0	0.00	4.04	0.00	0	0	0	100	0.00	0.0	5.435	0.000	0	0	0	0
444938	PL.13160	C	Consumer	7.32Y	122.0	0.00	4.04	0.00	0	0	0	100	0.00	0.0	5.435	0.000	0	0	0	0
PL.13162	PL.13160	B	4ACSR	7.35Y	122.5	0.30	3.53	42.90	22	300	98	95	2.15	0.3	5.574	0.139	0	0	0	65
		C		7.29Y	121.6	0.38	4.42	70.43	36	490	161	95					0	0	0	101
PL.13164	PL.13162	B	4ACSR	7.35Y	122.5	0.00	3.54	13.12	7	92	29	95	0.00	0.0	5.580	0.006	0	0	0	18
PL.13165	PL.13164	B	4ACSR	7.35Y	122.5	0.00	3.54	13.12	7	92	29	95	0.00	0.0	5.584	0.004	0	0	0	18
PL.45949	PL.13165	B	4ACSR	7.35Y	122.5	0.01	3.55	13.12	7	92	29	95	0.00	0.0	5.595	0.012	0	0	0	18
C PD.8696	PL.45949	B	fuse6AMP	7.35Y	122.5	0.00	3.55	13.12	224	92	29	95	0.00	0.0	5.595	0.000	0	0	0	18 C
PL.45950	PD.8696	B	4ACSR	7.34Y	122.3	0.12	3.67	13.12	7	92	29	95	0.09	0.1	5.804	0.208	0	0	0	18
PL.42673	PL.45950	B	4ACSR	7.34Y	122.3	0.00	3.67	0.41	0	3	1	95	0.00	0.0	5.810	0.006	0	0	0	2
PD.8114	PL.42673	B	fuse6AMP	7.34Y	122.3	0.00	3.67	0.41	7	3	1	95	0.00	0.0	5.810	0.000	0	0	0	2
PL.42674	PD.8114	B	4ACSR	7.34Y	122.3	0.00	3.67	0.41	0	3	1	95	0.00	0.0	5.911	0.102	0	0	0	2
PL.22536	PL.42674	B	4ACSR	7.34Y	122.3	0.00	3.67	0.41	0	3	1	95	0.00	0.0	6.078	0.166	0	0	0	2
445927	PL.22536	B	Consumer	7.34Y	122.3	0.00	3.67	0.16	0	1	0	100	0.00	0.0	6.078	0.000	1	0	1	1
445915	PL.22536	B	Consumer	7.34Y	122.3	0.00	3.67	0.25	0	2	1	89	0.00	0.0	6.078	0.000	2	1	1	1
PL.13167	PL.45950	B	4ACSR	7.33Y	122.2	0.11	3.77	12.71	7	89	28	95	0.07	0.1	5.988	0.184	0	0	0	16
PL.6544	PL.13167	B	4ACSR	7.33Y	122.1	0.13	3.90	12.33	6	86	27	95	0.08	0.1	6.220	0.233	0	0	0	15
445918	PL.6544	B	Consumer	7.33Y	122.1	0.00	3.90	0.40	0	3	1	95	0.00	0.0	6.220	0.000	3	1	1	1
PL.13168	PL.6544	B	4ACSR	7.32Y	122.0	0.08	3.98	11.94	6	83	26	95	0.05	0.1	6.363	0.143	0	0	0	14
PL.13169	PL.13168	B	4ACSR	7.32Y	122.0	0.05	4.03	11.27	6	79	25	95	0.03	0.0	6.455	0.091	0	0	0	13
PL.6545	PL.13169	B	4ACSR	7.31Y	121.9	0.09	4.12	9.77	5	68	21	96	0.05	0.1	6.669	0.214	0	0	0	12
PL.6546	PL.6545	B	4ACSR	7.31Y	121.8	0.03	4.15	9.63	5	67	21	95	0.02	0.0	6.739	0.070	0	0	0	11
PL.6868	PL.6546	B	4ACSR	7.31Y	121.8	0.01	4.16	9.63	5	67	21	95	0.01	0.0	6.762	0.023	0	0	0	11
444943	PL.6868	B	Consumer	7.31Y	121.8	0.00	4.16	0.00	0	0	0	100	0.00	0.0	6.762	0.000	0	0	1	1
444934	PL.6868	B	Consumer	7.31Y	121.8	0.00	4.16	0.28	0	2	1	89	0.00	0.0	6.762	0.000	2	1	1	1
444948	PL.6868	B	Consumer	7.31Y	121.8	0.00	4.16	1.43	0	10	3	96	0.00	0.0	6.762	0.000	10	3	1	1
PL.42675	PL.6868	B	4ACSR	7.31Y	121.8	0.01	4.17	7.91	4	55	17	96	0.00	0.0	6.782	0.020	0	0	0	8
PD.8115-A	PL.42675	B	Closed	7.31Y	121.8	0.00	4.17	7.91	0	55	17	96	0.00	0.0	6.782	0.000	0	0	0	8
PD.8115-B	PD.8115-A	B	Closed	7.31Y	121.8	0.00	4.17	7.91	0	55	17	96	0.00	0.0	6.782	0.000	0	0	0	8
PL.42676	PD.8115-B	B	4ACSR	7.31Y	121.8	0.03	4.20	7.91	4	55	17	96	0.01	0.0	6.863	0.082	0	0	0	8
PL.19267	PL.42676	B	4ACSR	7.31Y	121.8	0.03	4.23	7.91	4	55	17	96	0.01	0.0	6.946	0.082	0	0	0	8
445808	PL.19267	B	Consumer	7.31Y	121.8	0.00	4.23	1.98	0	14	4	96	0.00	0.0	6.946	0.000	14	4	1	1
PL.44158	PL.19267	B	4ACSR	7.31Y	121.8	0.02	4.25	5.94	3	41	13	95	0.01	0.0	7.019	0.073	0	0	0	7
PL.44159	PL.44158	B	4ACSR	7.30Y	121.7	0.01	4.26	5.94	3	41	13	95	0.00	0.0	7.057	0.038	0	0	0	7

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: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.6548	PL.44159	B	4ACSR	7.30Y	121.7	0.03	4.28	5.94	3	41	13	95	0.01	0.0	7.151	0.094	0	0	0	7
PL.6552	PL.6548	B	4ACSR	7.30Y	121.7	0.01	4.29	4.37	2	30	10	95	0.00	0.0	7.187	0.036	0	0	0	6
PL.6553	PL.6552	B	4ACSR	7.30Y	121.7	0.01	4.30	3.57	2	25	8	95	0.00	0.0	7.239	0.052	0	0	0	5
445817	PL.6553	B	Consumer	7.30Y	121.7	0.00	4.30	0.36	0	3	1	95	0.00	0.0	7.239	0.000	3	1	1	1
PL.35654	PL.6553	B	4ACSR	7.30Y	121.7	0.01	4.31	3.21	2	22	7	95	0.00	0.0	7.283	0.045	0	0	0	4
PL.35655	PL.35654	B	4ACSR	7.30Y	121.7	0.02	4.32	3.21	2	22	7	95	0.00	0.0	7.408	0.125	0	0	0	4
445815	PL.35655	B	Consumer	7.30Y	121.7	0.00	4.32	1.01	0	7	2	96	0.00	0.0	7.408	0.000	7	2	1	1
PL.45332	PL.35655	B	2ACSR	7.30Y	121.7	0.01	4.33	2.20	1	15	5	95	0.00	0.0	7.523	0.115	0	0	0	3
4458020	PL.45332	B	Consumer	7.30Y	121.7	0.00	4.33	1.17	0	8	3	94	0.00	0.0	7.523	0.000	8	3	1	1
PL.45334	PL.45332	B	2ACSR	7.30Y	121.7	0.00	4.33	1.03	0	7	2	96	0.00	0.0	7.580	0.057	0	0	0	2
PL.45335	PL.45334	B	2ACSR	7.30Y	121.7	0.00	4.33	0.01	0	0	0	100	0.00	0.0	7.659	0.080	0	0	0	1
4458024	PL.45335	B	Consumer	7.30Y	121.7	0.00	4.33	0.01	0	0	0	100	0.00	0.0	7.659	0.000	0	0	1	1
4458023	PL.45334	B	Consumer	7.30Y	121.7	0.00	4.33	1.02	0	7	2	96	0.00	0.0	7.580	0.000	7	2	1	1
4458027	PL.35654	B	Consumer	7.30Y	121.7	0.00	4.31	0.00	0	0	0	100	0.00	0.0	7.283	0.000	0	0	0	0
445819	PL.6552	B	Consumer	7.30Y	121.7	0.00	4.29	0.80	0	6	2	95	0.00	0.0	7.187	0.000	6	2	1	1
4458028	PL.6548	B	Consumer	7.30Y	121.7	0.00	4.28	0.00	0	0	0	100	0.00	0.0	7.151	0.000	0	0	0	0
445807	PL.6548	B	Consumer	7.30Y	121.7	0.00	4.28	0.00	0	0	0	100	0.00	0.0	7.151	0.000	0	0	0	0
445816	PL.6548	B	Consumer	7.30Y	121.7	0.00	4.28	1.57	0	11	3	96	0.00	0.0	7.151	0.000	11	3	1	1
4458025	PL.44158	B	Consumer	7.31Y	121.8	0.00	4.25	0.00	0	0	0	100	0.00	0.0	7.019	0.000	0	0	0	0
PL.24027	PL.6546	B	4ACSR	7.31Y	121.8	0.00	4.15	0.00	0	0	0	100	0.00	0.0	6.740	0.001	0	0	0	0
445929	PL.6545	B	Consumer	7.31Y	121.9	0.00	4.12	0.14	0	1	0	100	0.00	0.0	6.669	0.000	1	0	1	1
445924	PL.13169	B	Consumer	7.32Y	122.0	0.00	4.03	1.50	0	10	3	96	0.00	0.0	6.455	0.000	10	3	1	1
PL.24028	PL.13168	B	4ACSR	7.32Y	122.0	0.00	3.98	0.67	0	5	1	98	0.00	0.0	6.437	0.073	0	0	0	1
445920	PL.24028	B	Consumer	7.32Y	122.0	0.00	3.98	0.67	0	5	1	98	0.00	0.0	6.437	0.000	5	1	1	1
445913	PL.13167	B	Consumer	7.33Y	122.2	0.00	3.77	0.38	0	3	1	95	0.00	0.0	5.988	0.000	3	1	1	1
PL.40935	PL.13162	C	2ACSR	7.29Y	121.6	0.00	4.42	0.00	0	0	0	100	0.00	0.0	5.578	0.004	0	0	0	0
PD.7297	PL.40935	C	fuse6AMP	7.29Y	121.6	0.00	4.42	0.00	0	0	0	100	0.00	0.0	5.578	0.000	0	0	0	0
PL.40936	PD.7297	C	2ACSR	7.29Y	121.6	0.00	4.42	0.00	0	0	0	100	0.00	0.0	5.629	0.051	0	0	0	0
4449067	PL.40936	C	Consumer	7.29Y	121.6	0.00	4.42	0.00	0	0	0	100	0.00	0.0	5.629	0.000	0	0	0	0
PL.13163	PL.13162	B	4ACSR	7.35Y	122.5	0.01	3.54	29.78	15	208	69	95	0.06	0.0	5.578	0.004	0	0	0	47
		C		7.29Y	121.6	0.01	4.44	70.43	36	488	160	95					0	0	0	101
PL.13161	PL.13163	B	4ACSR	7.34Y	122.4	0.10	3.64	29.78	15	208	69	95	0.87	0.1	5.643	0.065	0	0	0	47
		C		7.28Y	121.4	0.19	4.62	70.43	36	488	160	95					0	0	0	101
PL.42679	PL.13161	B	4ACSR	7.34Y	122.4	0.00	3.64	1.00	1	7	2	96	0.00	0.0	5.647	0.004	0	0	0	1
PD.8117	PL.42679	B	fuse6AMP	7.34Y	122.4	0.00	3.64	1.00	17	7	2	96	0.00	0.0	5.647	0.000	0	0	0	1
PL.42680	PD.8117	B	4ACSR	7.34Y	122.4	0.01	3.65	1.00	1	7	2	96	0.00	0.0	5.820	0.173	0	0	0	1
445919	PL.42680	B	Consumer	7.34Y	122.4	0.00	3.65	0.00	0	0	0	100	0.00	0.0	5.820	0.000	0	0	0	0
445903	PL.42680	B	Consumer	7.34Y	122.4	0.00	3.65	1.00	0	7	2	96	0.00	0.0	5.820	0.000	7	2	1	1
PL.112	PL.13161	C	4ACSR	7.28Y	121.3	0.08	4.71	43.30	22	300	98	95	0.19	0.1	5.685	0.042	0	0	0	63

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: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.6870	PL.112	C	4ACSR	7.27Y	121.2	0.05	4.75	43.30	22	300	98	95	0.11	0.0	5.709	0.024	0	0	0	63
444926	PL.6870	C	Consumer	7.27Y	121.2	0.00	4.75	0.00	0	0	0	100	0.00	0.0	5.709	0.000	0	0	0	0
444951	PL.6870	C	Consumer	7.27Y	121.2	0.00	4.75	2.24	0	15	7	91	0.00	0.0	5.709	0.000	15	7	1	1
444927	PL.6870	C	Consumer	7.27Y	121.2	0.00	4.75	0.00	0	0	0	100	0.00	0.0	5.709	0.000	0	0	0	0
444949	PL.6870	C	Consumer	7.27Y	121.2	0.00	4.75	0.68	0	5	1	98	0.00	0.0	5.709	0.000	5	1	1	1
444936	PL.6870	C	Consumer	7.27Y	121.2	0.00	4.75	0.61	0	4	1	97	0.00	0.0	5.709	0.000	4	1	1	1
PL.13564	PL.6870	C	4ACSR	7.26Y	121.1	0.19	4.94	39.80	21	276	88	95	0.39	0.1	5.813	0.104	0	0	0	60
444937	PL.13564	C	Consumer	7.26Y	121.1	0.00	4.94	1.27	0	9	3	95	0.00	0.0	5.813	0.000	9	3	1	1
4449068	PL.13564	C	Consumer	7.26Y	121.1	0.00	4.94	0.00	0	0	0	100	0.00	0.0	5.813	0.000	0	0	0	0
PL.13565	PL.13564	C	4ACSR	7.26Y	121.0	0.03	4.98	38.52	20	267	85	95	0.07	0.0	5.832	0.019	0	0	0	59
PL.17906	PL.13565	C	4ACSR	7.26Y	121.0	0.01	4.99	38.52	20	267	85	95	0.02	0.0	5.838	0.006	0	0	0	59
PD.2463	PL.17906	C	50L	7.26Y	121.0	0.00	4.99	38.52	77	267	85	95	0.00	0.0	5.838	0.000	0	0	0	59
PL.17907	PD.2463	C	4ACSR	7.26Y	120.9	0.07	5.06	38.52	20	267	85	95	0.15	0.1	5.881	0.043	0	0	0	59
444950	PL.17907	C	Consumer	7.26Y	120.9	0.00	5.06	0.26	0	2	1	89	0.00	0.0	5.881	0.000	2	1	1	1
PL.13033	PL.17907	C	4ACSR	7.25Y	120.9	0.07	5.13	36.90	19	255	81	95	0.14	0.1	5.923	0.042	0	0	0	56
PL.6886	PL.13033	C	4ACSR	7.24Y	120.7	0.14	5.27	35.36	18	244	77	95	0.26	0.1	6.011	0.088	0	0	0	52
444960	PL.6886	C	Consumer	7.24Y	120.7	0.00	5.27	0.89	0	6	2	95	0.00	0.0	6.011	0.000	6	2	1	1
PL.19273	PL.6886	C	4ACSR	7.24Y	120.6	0.08	5.35	34.46	18	238	75	95	0.15	0.1	6.063	0.052	0	0	0	51
444930	PL.19273	C	Consumer	7.24Y	120.6	0.00	5.35	0.18	0	1	0	100	0.00	0.0	6.063	0.000	1	0	1	1
4449066	PL.19273	C	Consumer	7.24Y	120.6	0.00	5.35	0.09	0	1	0	100	0.00	0.0	6.063	0.000	1	0	1	1
444959	PL.19273	C	Consumer	7.24Y	120.6	0.00	5.35	0.95	0	7	2	96	0.00	0.0	6.063	0.000	7	2	1	1
PL.19274	PL.19273	C	4ACSR	7.23Y	120.6	0.07	5.42	33.24	17	229	73	95	0.13	0.1	6.112	0.048	0	0	0	48
PL.41703	PL.19274	C	4ACSR	7.23Y	120.5	0.04	5.47	33.24	17	229	73	95	0.07	0.0	6.139	0.027	0	0	0	48
PD.7496-A	PL.41703	C	Closed	7.23Y	120.5	0.00	5.47	33.24	0	229	72	95	0.00	0.0	6.139	0.000	0	0	0	48
PD.7496-B	PD.7496-A	C	Closed	7.23Y	120.5	0.00	5.47	33.24	0	229	72	95	0.00	0.0	6.139	0.000	0	0	0	48
PL.41704	PD.7496-B	C	4ACSR	7.19Y	119.9	0.64	6.11	33.24	17	229	72	95	1.13	0.5	6.568	0.429	0	0	0	48
PL.41705	PL.41704	C	4ACSR	7.19Y	119.9	0.00	6.11	2.01	1	14	4	96	0.00	0.0	6.575	0.007	0	0	0	2
PD.7497	PL.41705	C	fuse6AMP	7.19Y	119.9	0.00	6.11	2.01	34	14	4	96	0.00	0.0	6.575	0.000	0	0	0	2
PL.41706	PD.7497	C	4ACSR	7.19Y	119.9	0.01	6.12	2.01	1	14	4	96	0.00	0.0	6.638	0.063	0	0	0	2
454203	PL.41706	C	Consumer	7.19Y	119.9	0.00	6.12	0.31	0	2	1	89	0.00	0.0	6.638	0.000	2	1	1	1
454220	PL.41706	C	Consumer	7.19Y	119.9	0.00	6.12	1.69	0	12	4	95	0.00	0.0	6.638	0.000	12	4	1	1
PL.13212	PL.41704	C	4ACSR	7.18Y	119.7	0.18	6.29	31.23	16	214	67	95	0.30	0.1	6.695	0.127	0	0	0	46
PL.41707	PL.13212	C	4ACSR	7.18Y	119.7	0.00	6.29	4.25	2	29	9	96	0.00	0.0	6.703	0.007	0	0	0	4
PD.7498	PL.41707	C	fuse6AMP	7.18Y	119.7	0.00	6.29	4.25	73	29	9	96	0.00	0.0	6.703	0.000	0	0	0	4
PL.41708	PD.7498	C	4ACSR	7.18Y	119.7	0.02	6.31	4.25	2	29	9	96	0.00	0.0	6.796	0.093	0	0	0	4
PL.21300	PL.41708	C	4ACSR	7.18Y	119.7	0.01	6.32	2.84	1	19	6	95	0.00	0.0	6.843	0.047	0	0	0	3
454216	PL.21300	C	Consumer	7.18Y	119.7	0.00	6.32	0.75	0	5	2	93	0.00	0.0	6.843	0.000	5	2	1	1
454237	PL.21300	C	Consumer	7.18Y	119.7	0.00	6.32	0.78	0	5	2	93	0.00	0.0	6.843	0.000	5	2	1	1

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Unbalanced Voltage Drop Report
Source: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
454239	PL.21300	C	Consumer	7.18Y	119.7	0.00	6.32	1.31	0	9	3	95	0.00	0.0	6.843	0.000	9	3	1	1
PL.21131	PL.41708	C	4ACSR	7.18Y	119.7	0.00	6.31	1.41	1	10	3	96	0.00	0.0	6.819	0.023	0	0	0	1
454241	PL.21131	C	Consumer	7.18Y	119.7	0.00	6.31	1.41	0	10	3	96	0.00	0.0	6.819	0.000	10	3	1	1
454215	PL.21131	C	Consumer	7.18Y	119.7	0.00	6.31	0.00	0	0	0	100	0.00	0.0	6.819	0.000	0	0	0	0
PL.13213	PL.13212	C	4ACSR	7.18Y	119.6	0.09	6.38	26.54	14	182	57	95	0.13	0.1	6.771	0.076	0	0	0	41
PL.13214	PL.13213	C	4ACSR	7.17Y	119.5	0.14	6.52	26.03	13	178	56	95	0.19	0.1	6.888	0.116	0	0	0	38
PL.6977	PL.13214	C	4ACSR	7.17Y	119.4	0.05	6.57	22.97	12	157	49	95	0.06	0.0	6.939	0.051	0	0	0	35
PL.6978	PL.6977	C	4ACSR	7.15Y	119.1	0.32	6.90	22.97	12	157	49	95	0.39	0.3	7.251	0.312	0	0	0	35
PL.6979	PL.6978	C	4ACSR	7.14Y	119.0	0.13	7.02	21.24	11	145	45	96	0.14	0.1	7.385	0.134	0	0	0	32
PL.6980	PL.6979	C	4ACSR	7.13Y	118.9	0.11	7.14	20.94	11	143	45	95	0.12	0.1	7.503	0.118	0	0	0	31
453201	PL.6980	C	Consumer	7.13Y	118.9	0.00	7.14	0.40	0	3	1	95	0.00	0.0	7.503	0.000	3	1	1	1
453241	PL.6980	C	Consumer	7.13Y	118.9	0.00	7.14	0.58	0	4	1	97	0.00	0.0	7.503	0.000	4	1	1	1
PL.13215	PL.6980	C	4ACSR	7.13Y	118.8	0.10	7.24	19.96	10	136	43	95	0.11	0.1	7.614	0.111	0	0	0	29
PL.13035	PL.13215	C	4ACSR	7.12Y	118.7	0.02	7.26	18.06	9	123	38	96	0.02	0.0	7.641	0.027	0	0	0	27
PL.13036	PL.13035	C	4ACSR	7.12Y	118.7	0.01	7.27	16.99	9	116	36	96	0.01	0.0	7.655	0.014	0	0	0	25
PD.401-A	PL.13036	C	Closed	7.12Y	118.7	0.00	7.27	16.99	0	116	36	96	0.00	0.0	7.655	0.000	0	0	0	25
PD.401-B	PD.401-A	C	Closed	7.12Y	118.7	0.00	7.27	16.99	0	116	36	96	0.00	0.0	7.655	0.000	0	0	0	25
PL.13037	PD.401-B	C	4ACSR	7.12Y	118.7	0.07	7.34	16.99	9	116	36	96	0.06	0.1	7.748	0.094	0	0	0	25
PL.41714	PL.13037	C	4ACSR	7.12Y	118.7	0.00	7.34	4.84	2	33	10	96	0.00	0.0	7.755	0.006	0	0	0	6
C PD.7501	PL.41714	C	fuse6AMP	7.12Y	118.7	0.00	7.34	4.84	83	33	10	96	0.00	0.0	7.755	0.000	0	0	0	6 C
PL.41713	PD.7501	C	4ACSR	7.12Y	118.7	0.00	7.35	4.84	2	33	10	96	0.00	0.0	7.770	0.015	0	0	0	6
PL.22444	PL.41713	C	4ACSR	7.12Y	118.6	0.01	7.35	3.63	2	25	8	95	0.00	0.0	7.821	0.051	0	0	0	4
PL.22443	PL.22444	C	4ACSR	7.12Y	118.6	0.00	7.36	1.91	1	13	4	96	0.00	0.0	7.870	0.049	0	0	0	3
453331	PL.22443	C	Consumer	7.12Y	118.6	0.00	7.36	1.30	0	9	3	95	0.00	0.0	7.870	0.000	9	3	1	1
453338	PL.22443	C	Consumer	7.12Y	118.6	0.00	7.36	0.00	0	0	0	100	0.00	0.0	7.870	0.000	0	0	1	1
PL.22439	PL.22443	C	4ACSR	7.12Y	118.6	0.00	7.36	0.61	0	4	1	97	0.00	0.0	7.919	0.049	0	0	0	1
453309	PL.22439	C	Consumer	7.12Y	118.6	0.00	7.36	0.00	0	0	0	100	0.00	0.0	7.919	0.000	0	0	0	0
PL.23074	PL.22439	C	4ACSR	7.12Y	118.6	0.00	7.36	0.61	0	4	1	97	0.00	0.0	7.948	0.030	0	0	0	1
453333	PL.23074	C	Consumer	7.12Y	118.6	0.00	7.36	0.61	0	4	1	97	0.00	0.0	7.948	0.000	4	1	1	1
453322	PL.22444	C	Consumer	7.12Y	118.6	0.00	7.35	1.72	0	12	4	95	0.00	0.0	7.821	0.000	12	4	1	1
453311	PL.41713	C	Consumer	7.12Y	118.7	0.00	7.35	0.00	0	0	0	100	0.00	0.0	7.770	0.000	0	0	0	0
453323	PL.41713	C	Consumer	7.12Y	118.7	0.00	7.35	1.02	0	7	2	96	0.00	0.0	7.770	0.000	7	2	1	1
453202	PL.41713	C	Consumer	7.12Y	118.7	0.00	7.35	0.18	0	1	0	100	0.00	0.0	7.770	0.000	1	0	1	1
453310	PL.41713	C	Consumer	7.12Y	118.7	0.00	7.35	0.00	0	0	0	100	0.00	0.0	7.770	0.000	0	0	0	0
453305	PL.41713	C	Consumer	7.12Y	118.7	0.00	7.35	0.00	0	0	0	100	0.00	0.0	7.770	0.000	0	0	0	0
PL.13034	PL.13037	C	4ACSR	7.12Y	118.6	0.01	7.35	12.16	6	83	26	95	0.01	0.0	7.766	0.017	0	0	0	19
PL.41487	PL.13034	C	4ACSR	7.12Y	118.6	0.00	7.35	0.00	0	0	0	100	0.00	0.0	7.805	0.039	0	0	0	0
PD.7453-A	PL.41487	C	Open	7.12Y	118.6	0.00	7.35	0.00	0	0	0	100	0.00	0.0	7.805	0.000	0	0	0	0

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Unbalanced Voltage Drop Report
Source: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.6984	PL.13034	C	4ACSR	7.11Y	118.6	0.07	7.42	11.89	6	81	25	96	0.04	0.1	7.890	0.124	0	0	0	18
453332	PL.6984	C	Consumer	7.11Y	118.6	0.00	7.42	0.62	0	4	1	97	0.00	0.0	7.890	0.000	4	1	1	1
453326	PL.6984	C	Consumer	7.11Y	118.6	0.00	7.42	0.00	0	0	0	100	0.00	0.0	7.890	0.000	0	0	0	0
453329	PL.6984	C	Consumer	7.11Y	118.6	0.00	7.42	0.19	0	1	0	100	0.00	0.0	7.890	0.000	1	0	1	1
453325	PL.6984	C	Consumer	7.11Y	118.6	0.00	7.42	0.00	0	0	0	100	0.00	0.0	7.890	0.000	0	0	0	0
453321	PL.6984	C	Consumer	7.11Y	118.6	0.00	7.42	0.00	0	0	0	100	0.00	0.0	7.890	0.000	0	0	0	0
PL.42297	PL.6984	C	4ACSR	7.11Y	118.6	0.02	7.44	11.08	6	75	24	95	0.01	0.0	7.930	0.040	0	0	0	16
PD.7681	PL.42297	C	25E	7.11Y	118.6	0.00	7.44	11.08	44	75	24	95	0.00	0.0	7.930	0.000	0	0	0	16
PL.42298	PD.7681	C	4ACSR	7.11Y	118.5	0.03	7.47	11.08	6	75	24	95	0.02	0.0	7.994	0.065	0	0	0	16
PL.6991	PL.42298	C	4ACSR	7.11Y	118.5	0.01	7.48	10.65	5	72	23	95	0.01	0.0	8.023	0.029	0	0	0	15
PL.6992	PL.6991	C	4ACSR	7.11Y	118.5	0.02	7.50	6.01	3	41	13	95	0.01	0.0	8.095	0.071	0	0	0	11
PL.40624	PL.6992	C	4ACSR	7.11Y	118.5	0.02	7.52	3.62	2	25	8	95	0.00	0.0	8.200	0.106	0	0	0	9
PL.40625	PL.40624	C	4ACSR	7.11Y	118.5	0.01	7.53	3.39	2	23	7	96	0.00	0.0	8.268	0.068	0	0	0	8
453316	PL.40625	C	Consumer	7.11Y	118.5	0.00	7.53	0.38	0	3	1	95	0.00	0.0	8.268	0.000	3	1	1	1
PL.17469	PL.40625	C	4ACSR	7.11Y	118.5	0.01	7.54	3.01	2	20	6	96	0.00	0.0	8.307	0.038	0	0	0	7
PL.42743	PL.17469	C	4ACSR	7.11Y	118.5	0.00	7.54	1.23	1	8	3	94	0.00	0.0	8.312	0.005	0	0	0	2
PD.8556	PL.42743	C	fuse6AMP	7.11Y	118.5	0.00	7.54	1.23	21	8	3	94	0.00	0.0	8.312	0.000	0	0	0	2
PL.42744	PD.8556	C	4ACSR	7.11Y	118.5	0.00	7.54	1.23	1	8	3	94	0.00	0.0	8.345	0.033	0	0	0	2
PL.33061	PL.42744	C	4ACSR	7.11Y	118.5	0.00	7.54	1.20	1	8	3	94	0.00	0.0	8.385	0.040	0	0	0	1
453335	PL.33061	C	Consumer	7.11Y	118.5	0.00	7.54	1.20	0	8	3	94	0.00	0.0	8.385	0.000	8	3	1	1
4533040	PL.42744	C	Consumer	7.11Y	118.5	0.00	7.54	0.03	0	0	0	100	0.00	0.0	8.345	0.000	0	0	1	1
PL.17470	PL.17469	C	4ACSR	7.11Y	118.5	0.00	7.54	1.78	1	12	4	95	0.00	0.0	8.367	0.060	0	0	0	5
PL.42745	PL.17470	C	4ACSR	7.11Y	118.5	0.00	7.54	1.26	1	9	3	95	0.00	0.0	8.372	0.005	0	0	0	1
PD.8557	PL.42745	C	fuse6AMP	7.11Y	118.5	0.00	7.54	1.26	22	9	3	95	0.00	0.0	8.372	0.000	0	0	0	1
PL.42746	PD.8557	C	4ACSR	7.11Y	118.5	0.00	7.55	1.26	1	9	3	95	0.00	0.0	8.448	0.077	0	0	0	1
453334	PL.42746	C	Consumer	7.11Y	118.5	0.00	7.55	1.26	0	9	3	95	0.00	0.0	8.448	0.000	9	3	1	1
PL.6994	PL.17470	C	4ACSR	7.11Y	118.5	0.00	7.54	0.52	0	4	1	97	0.00	0.0	8.429	0.062	0	0	0	4
PL.6540	PL.6994	C	4ACSR	7.11Y	118.5	0.00	7.54	0.52	0	4	1	97	0.00	0.0	8.506	0.077	0	0	0	4
PL.6541	PL.6540	C	4ACSR	7.11Y	118.5	0.00	7.55	0.52	0	4	1	97	0.00	0.0	8.633	0.127	0	0	0	3
452305	PL.6541	C	Consumer	7.11Y	118.5	0.00	7.55	0.11	0	1	0	100	0.00	0.0	8.633	0.000	1	0	1	1
PL.19088	PL.6541	C	4ACSR	7.11Y	118.5	0.00	7.55	0.41	0	3	1	95	0.00	0.0	8.744	0.111	0	0	0	2
PL.45801	PL.19088	C	4ACSR	7.11Y	118.5	0.00	7.55	0.40	0	3	1	95	0.00	0.0	8.772	0.028	0	0	0	1
4523012	PL.45801	C	Consumer	7.11Y	118.5	0.00	7.55	0.00	0	0	0	100	0.00	0.0	8.772	0.000	0	0	0	0
PL.45802	PL.45801	C	4ACSR	7.11Y	118.4	0.00	7.55	0.40	0	3	1	95	0.00	0.0	8.793	0.020	0	0	0	1
PD.8558-A	PL.45802	C	Closed	7.11Y	118.4	0.00	7.55	0.40	0	3	1	95	0.00	0.0	8.793	0.000	0	0	0	1
PD.8558-B	PD.8558-A	C	Closed	7.11Y	118.4	0.00	7.55	0.40	0	3	1	95	0.00	0.0	8.793	0.000	0	0	0	1
PL.42748	PD.8558-B	C	4ACSR	7.11Y	118.4	0.00	7.55	0.40	0	3	1	95	0.00	0.0	8.828	0.035	0	0	0	1
PL.19087	PL.42748	C	4ACSR	7.11Y	118.4	0.00	7.55	0.00	0	0	0	100	0.00	0.0	9.311	0.484	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: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
452309	PL.19087	C	Consumer	7.11Y	118.4	0.00	7.55	0.00	0	0	0	100	0.00	0.0	9.311	0.000	0	0	0	0
452307	PL.42748	C	Consumer	7.11Y	118.4	0.00	7.55	0.40	0	3	1	95	0.00	0.0	8.828	0.000	3	1	1	1
452302	PL.19088	C	Consumer	7.11Y	118.5	0.00	7.55	0.01	0	0	0	100	0.00	0.0	8.744	0.000	0	0	1	1
452310	PL.6540	C	Consumer	7.11Y	118.5	0.00	7.54	0.00	0	0	0	100	0.00	0.0	8.506	0.000	0	0	1	1
PL.40626	PL.40624	C	2ACSR	7.11Y	118.5	0.00	7.52	0.22	0	2	0	100	0.00	0.0	8.205	0.005	0	0	0	1
PD.7239	PL.40626	C	fuse6AMP	7.11Y	118.5	0.00	7.52	0.22	4	2	0	100	0.00	0.0	8.205	0.000	0	0	0	1
PL.40627	PD.7239	C	2ACSR	7.11Y	118.5	0.00	7.52	0.22	0	2	0	100	0.00	0.0	8.262	0.058	0	0	0	1
4533041	PL.40627	C	Consumer	7.11Y	118.5	0.00	7.52	0.22	0	2	0	100	0.00	0.0	8.262	0.000	2	0	1	1
PL.42741	PL.6992	C	4ACSR	7.11Y	118.5	0.00	7.50	2.40	1	16	5	95	0.00	0.0	8.098	0.004	0	0	0	2
PD.8555	PL.42741	C	fuse6AMP	7.11Y	118.5	0.00	7.50	2.40	41	16	5	95	0.00	0.0	8.098	0.000	0	0	0	2
PL.42742	PD.8555	C	4ACSR	7.11Y	118.5	0.00	7.51	2.40	1	16	5	95	0.00	0.0	8.134	0.036	0	0	0	2
453303	PL.42742	C	Consumer	7.11Y	118.5	0.00	7.51	1.34	0	9	3	95	0.00	0.0	8.134	0.000	9	3	1	1
4533039	PL.42742	C	Consumer	7.11Y	118.5	0.00	7.51	1.06	0	7	2	96	0.00	0.0	8.134	0.000	7	2	1	1
453324	PL.6991	C	Consumer	7.11Y	118.5	0.00	7.48	1.08	0	7	2	96	0.00	0.0	8.023	0.000	7	2	1	1
453327	PL.6991	C	Consumer	7.11Y	118.5	0.00	7.48	3.52	0	24	7	96	0.00	0.0	8.023	0.000	10	3	1	2
453328	453327	C	Consumer	7.11Y	118.5	0.00	7.48	2.03	0	14	4	96	0.00	0.0	8.023	0.000	14	4	1	1
453336	PL.6991	C	Consumer	7.11Y	118.5	0.00	7.48	0.03	0	0	0	100	0.00	0.0	8.023	0.000	0	0	1	1
453318	PL.42298	C	Consumer	7.11Y	118.5	0.00	7.47	0.44	0	3	1	95	0.00	0.0	7.994	0.000	3	1	1	1
PL.42739	PL.6984	C	4ACSR	7.11Y	118.6	0.00	7.42	0.00	0	0	0	100	0.00	0.0	7.893	0.004	0	0	0	0
PD.8554	PL.42739	C	fuse6AMP	7.11Y	118.6	0.00	7.42	0.00	0	0	0	100	0.00	0.0	7.893	0.000	0	0	0	0
PL.42740	PD.8554	C	4ACSR	7.11Y	118.6	0.00	7.42	0.00	0	0	0	100	0.00	0.0	7.970	0.076	0	0	0	0
453337	PL.13034	C	Consumer	7.12Y	118.6	0.00	7.35	0.27	0	2	1	89	0.00	0.0	7.766	0.000	2	1	1	1
453239	PL.13035	C	Consumer	7.12Y	118.7	0.00	7.26	0.17	0	1	0	100	0.00	0.0	7.641	0.000	1	0	1	1
453234	PL.13035	C	Consumer	7.12Y	118.7	0.00	7.26	0.89	0	6	2	95	0.00	0.0	7.641	0.000	6	2	1	1
PL.23012	PL.13215	C	4ACSR	7.13Y	118.8	0.01	7.24	1.90	1	13	4	96	0.00	0.0	7.683	0.069	0	0	0	2
453223	PL.23012	C	Consumer	7.13Y	118.8	0.00	7.24	1.18	0	8	3	94	0.00	0.0	7.683	0.000	8	3	1	1
453235	PL.23012	C	Consumer	7.13Y	118.8	0.00	7.24	0.72	0	5	2	93	0.00	0.0	7.683	0.000	5	2	1	1
453222	PL.6979	C	Consumer	7.14Y	119.0	0.00	7.02	0.29	0	2	1	89	0.00	0.0	7.385	0.000	2	1	1	1
454229	PL.6978	C	Consumer	7.15Y	119.1	0.00	6.90	1.29	0	9	3	95	0.00	0.0	7.251	0.000	9	3	1	1
454214	PL.6978	C	Consumer	7.15Y	119.1	0.00	6.90	0.00	0	0	0	100	0.00	0.0	7.251	0.000	0	0	0	0
PL.41711	PL.6978	C	4ACSR	7.15Y	119.1	0.00	6.90	0.45	0	3	1	95	0.00	0.0	7.261	0.010	0	0	0	2
PD.7500	PL.41711	C	fuse6AMP	7.15Y	119.1	0.00	6.90	0.45	8	3	1	95	0.00	0.0	7.261	0.000	0	0	0	2
PL.41712	PD.7500	C	4ACSR	7.15Y	119.1	0.00	6.90	0.45	0	3	1	95	0.00	0.0	7.393	0.132	0	0	0	2
454212	PL.41712	C	Consumer	7.15Y	119.1	0.00	6.90	0.41	0	3	1	95	0.00	0.0	7.393	0.000	3	1	1	1
454218	PL.41712	C	Consumer	7.15Y	119.1	0.00	6.90	0.05	0	0	0	100	0.00	0.0	7.393	0.000	0	0	1	1
454238	PL.13214	C	Consumer	7.17Y	119.5	0.00	6.52	1.35	0	9	3	95	0.00	0.0	6.888	0.000	9	3	1	1
454232	PL.13214	C	Consumer	7.17Y	119.5	0.00	6.52	0.08	0	1	0	100	0.00	0.0	6.888	0.000	1	0	1	1
454205	PL.13214	C	Consumer	7.17Y	119.5	0.00	6.52	1.62	0	11	3	96	0.00	0.0	6.888	0.000	11	3	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: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.41709	PL.13213	C	4ACSR	7.18Y	119.6	0.00	6.38	0.52	0	4	1	97	0.00	0.0	6.778	0.007	0	0	0	3
PD.7499	PL.41709	C	fuse6AMP	7.18Y	119.6	0.00	6.38	0.52	9	4	1	97	0.00	0.0	6.778	0.000	0	0	0	3
PL.41710	PD.7499	C	4ACSR	7.18Y	119.6	0.00	6.38	0.52	0	4	1	97	0.00	0.0	6.839	0.061	0	0	0	3
454230	PL.41710	C	Consumer	7.18Y	119.6	0.00	6.38	0.04	0	0	0	100	0.00	0.0	6.839	0.000	0	0	1	2
454235	454230	C	Consumer	7.18Y	119.6	0.00	6.38	0.04	0	0	0	100	0.00	0.0	6.839	0.000	0	0	1	1
454233	PL.41710	C	Consumer	7.18Y	119.6	0.00	6.38	0.47	0	3	1	95	0.00	0.0	6.839	0.000	3	1	1	1
454231	PL.13212	C	Consumer	7.18Y	119.7	0.00	6.29	0.44	0	3	1	95	0.00	0.0	6.695	0.000	3	1	1	1
444931	PL.13033	C	Consumer	7.25Y	120.9	0.00	5.13	0.55	0	4	1	97	0.00	0.0	5.923	0.000	4	1	1	1
444924	PL.13033	C	Consumer	7.25Y	120.9	0.00	5.13	0.00	0	0	0	100	0.00	0.0	5.923	0.000	0	0	0	0
444962	PL.13033	C	Consumer	7.25Y	120.9	0.00	5.13	0.44	0	3	1	95	0.00	0.0	5.923	0.000	3	1	1	1
444916	PL.13033	C	Consumer	7.25Y	120.9	0.00	5.13	0.00	0	0	0	100	0.00	0.0	5.923	0.000	0	0	0	0
444945	PL.13033	C	Consumer	7.25Y	120.9	0.00	5.13	0.41	0	3	1	95	0.00	0.0	5.923	0.000	3	1	1	1
444952	PL.13033	C	Consumer	7.25Y	120.9	0.00	5.13	0.13	0	1	0	100	0.00	0.0	5.923	0.000	1	0	1	1
PL.41701	PL.17907	C	4ACSR	7.26Y	120.9	0.00	5.06	1.37	1	9	3	95	0.00	0.0	5.888	0.007	0	0	0	2
PD.7495	PL.41701	C	fuse6AMP	7.26Y	120.9	0.00	5.06	1.37	23	9	3	95	0.00	0.0	5.888	0.000	0	0	0	2
PL.41702	PD.7495	C	4ACSR	7.26Y	120.9	0.00	5.06	1.37	1	9	3	95	0.00	0.0	5.934	0.047	0	0	0	2
444920	PL.41702	C	Consumer	7.26Y	120.9	0.00	5.06	0.00	0	0	0	100	0.00	0.0	5.934	0.000	0	0	0	0
PL.23296	PL.41702	C	4ACSR	7.26Y	120.9	0.00	5.07	1.37	1	9	3	95	0.00	0.0	5.973	0.038	0	0	0	2
PL.23297	PL.23296	C	4ACSR	7.26Y	120.9	0.00	5.07	0.06	0	0	0	100	0.00	0.0	5.981	0.008	0	0	0	1
PL.23354	PL.23297	C	4ACSR	7.26Y	120.9	0.00	5.07	0.06	0	0	0	100	0.00	0.0	6.054	0.073	0	0	0	1
444933	PL.23354	C	Consumer	7.26Y	120.9	0.00	5.07	0.06	0	0	0	100	0.00	0.0	6.054	0.000	0	0	1	1
PL.23361	PL.23297	C	4ACSR	7.26Y	120.9	0.00	5.07	0.00	0	0	0	100	0.00	0.0	6.011	0.030	0	0	0	0
444964	PL.23361	C	Consumer	7.26Y	120.9	0.00	5.07	0.00	0	0	0	100	0.00	0.0	6.011	0.000	0	0	0	0
444954	PL.23296	C	Consumer	7.26Y	120.9	0.00	5.07	1.31	0	9	3	95	0.00	0.0	5.973	0.000	9	3	1	1
PL.6547	PL.13161	B	4ACSR	7.34Y	122.3	0.09	3.73	28.78	15	201	67	95	0.22	0.1	5.705	0.062	0	0	0	46
		C		7.28Y	121.3	0.06	4.68	26.87	14	186	60	95					0	0	0	37
445932	PL.6547	B	Consumer	7.34Y	122.3	0.00	3.73	0.17	0	1	1	71	0.00	0.0	5.705	0.000	1	1	1	1
445921	PL.6547	B	Consumer	7.34Y	122.3	0.00	3.73	1.71	0	12	4	95	0.00	0.0	5.705	0.000	12	4	1	1
PL.13566	PL.6547	B	4ACSR	7.33Y	122.2	0.03	3.76	26.90	14	187	62	95	0.08	0.0	5.729	0.024	0	0	0	44
		C		7.28Y	121.3	0.02	4.71	26.87	14	186	60	95					0	0	0	37
445906	PL.13566	B	Consumer	7.33Y	122.2	0.00	3.76	1.60	0	11	4	94	0.00	0.0	5.729	0.000	11	4	1	1
PL.13567	PL.13566	B	4ACSR	7.33Y	122.1	0.11	3.87	25.29	13	176	59	95	0.28	0.1	5.819	0.090	0	0	0	43
		C		7.27Y	121.2	0.09	4.79	26.87	14	186	60	95					0	0	0	37
PL.8598	PL.13567	B	4ACSR	7.32Y	122.0	0.12	3.99	25.29	13	176	59	95	0.31	0.1	5.921	0.102	0	0	0	43
		C		7.27Y	121.1	0.10	4.89	26.87	14	186	60	95					0	0	0	37
PL.13568	PL.8598	B	4ACSR	7.32Y	121.9	0.07	4.07	25.29	13	176	59	95	0.18	0.1	5.981	0.060	0	0	0	43
		C		7.26Y	121.1	0.06	4.95	26.72	14	185	60	95					0	0	0	36
PL.13569	PL.13568	B	4ACSR	7.31Y	121.9	0.02	4.09	25.28	13	175	59	95	0.06	0.0	6.000	0.019	0	0	0	42
		C		7.26Y	121.0	0.02	4.97	26.72	14	185	60	95					0	0	0	36
PL.13570	PL.13569	B	4ACSR	7.31Y	121.8	0.07	4.16	25.22	13	175	58	95	0.19	0.1	6.061	0.061	0	0	0	41
		C		7.26Y	121.0	0.06	5.02	26.72	14	185	60	95					0	0	0	36

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: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.13030	PL.13570	B	4ACSR	7.31Y	121.8	0.01	4.17	25.22	13	175	58	95	0.03	0.0	6.070	0.009	0	0	0	41
		C		7.26Y	121.0	0.01	5.03	26.72	14	185	60	95					0	0	0	36
PL.45489	PL.13030	B	4ACSR	7.31Y	121.8	0.01	4.18	8.90	5	61	23	94	0.00	0.0	6.082	0.013	0	0	0	19
C PD.1451	PL.45489	B	fuse6AMP	7.31Y	121.8	0.00	4.18	8.90	152	61	23	94	0.00	0.0	6.082	0.000	0	0	0	19 C
PL.45490	PD.1451	B	4ACSR	7.31Y	121.8	0.02	4.20	8.90	5	61	23	94	0.01	0.0	6.133	0.051	0	0	0	19
PL.7014	PL.45490	B	4ACSR	7.31Y	121.8	0.03	4.23	8.90	5	61	23	94	0.01	0.0	6.206	0.073	0	0	0	19
PL.1836	PL.7014	B	4ACSR	7.31Y	121.8	0.00	4.23	0.64	0	4	2	89	0.00	0.0	6.251	0.045	0	0	0	1
455242	PL.1836	B	Consumer	7.31Y	121.8	0.00	4.23	0.64	0	4	2	89	0.00	0.0	6.251	0.000	4	2	1	1
PL.2837	PL.7014	B	4ACSR	7.31Y	121.8	0.01	4.24	2.02	1	14	4	96	0.00	0.0	6.275	0.069	0	0	0	1
455223	PL.2837	B	Consumer	7.31Y	121.8	0.00	4.24	2.02	0	14	4	96	0.00	0.0	6.275	0.000	14	4	1	1
455202	PL.7014	B	Consumer	7.31Y	121.8	0.00	4.23	1.12	0	8	2	97	0.00	0.0	6.206	0.000	8	2	1	1
455201	PL.7014	B	Consumer	7.31Y	121.8	0.00	4.23	0.00	0	0	0	100	0.00	0.0	6.206	0.000	0	0	1	1
PL.7015	PL.7014	B	4ACSR	7.30Y	121.7	0.04	4.27	5.12	3	35	14	93	0.01	0.0	6.376	0.169	0	0	0	15
PL.7010	PL.7015	B	4ACSR	7.30Y	121.7	0.06	4.33	5.10	3	35	14	93	0.02	0.0	6.620	0.245	0	0	0	14
PL.22440	PL.7010	B	4ACSR	7.30Y	121.6	0.04	4.37	5.10	3	35	14	93	0.01	0.0	6.812	0.191	0	0	0	14
454240	PL.22440	B	Consumer	7.30Y	121.6	0.00	4.37	0.01	0	0	0	100	0.00	0.0	6.812	0.000	0	0	1	1
PL.22441	PL.22440	B	4ACSR	7.30Y	121.6	0.02	4.39	5.10	3	35	14	93	0.01	0.0	6.911	0.100	0	0	0	13
PL.13619	PL.22441	B	4ACSR	7.30Y	121.6	0.01	4.40	4.01	2	27	11	93	0.00	0.0	6.965	0.054	0	0	0	11
454227	PL.13619	B	Consumer	7.30Y	121.6	0.00	4.40	0.00	0	0	0	100	0.00	0.0	6.965	0.000	0	0	1	1
454228	PL.13619	B	Consumer	7.30Y	121.6	0.00	4.40	0.00	0	0	0	100	0.00	0.0	6.965	0.000	0	0	1	1
PL.13620	PL.13619	B	4ACSR	7.30Y	121.6	0.00	4.41	3.39	2	23	10	92	0.00	0.0	6.966	0.001	0	0	0	8
PL.13618	PL.13620	B	4ACSR	7.30Y	121.6	0.01	4.41	3.39	2	23	10	92	0.00	0.0	7.022	0.056	0	0	0	8
PL.2619	PL.13618	B	4ACSR	7.29Y	121.6	0.01	4.42	2.56	1	17	8	90	0.00	0.0	7.067	0.045	0	0	0	1
454242	PL.2619	B	Consumer	7.29Y	121.6	0.00	4.42	2.56	0	17	8	90	0.00	0.0	7.067	0.000	17	8	1	1
454225	PL.13618	B	Consumer	7.30Y	121.6	0.00	4.41	0.01	0	0	0	100	0.00	0.0	7.022	0.000	0	0	1	1
454224	PL.13618	B	Consumer	7.30Y	121.6	0.00	4.41	0.00	0	0	0	100	0.00	0.0	7.022	0.000	0	0	1	1
454223	PL.13618	B	Consumer	7.30Y	121.6	0.00	4.41	0.00	0	0	0	100	0.00	0.0	7.022	0.000	0	0	1	1
4542044	PL.13618	B	Consumer	7.30Y	121.6	0.00	4.41	0.00	0	0	0	100	0.00	0.0	7.022	0.000	0	0	0	0
454236	PL.13618	B	Consumer	7.30Y	121.6	0.00	4.41	0.65	0	5	1	98	0.00	0.0	7.022	0.000	5	1	1	1
454226	PL.13618	B	Consumer	7.30Y	121.6	0.00	4.41	0.01	0	0	0	100	0.00	0.0	7.022	0.000	0	0	1	1
454222	PL.13618	B	Consumer	7.30Y	121.6	0.00	4.41	0.02	0	0	0	100	0.00	0.0	7.022	0.000	0	0	1	1
454213	PL.13618	B	Consumer	7.30Y	121.6	0.00	4.41	0.14	0	1	0	100	0.00	0.0	7.022	0.000	1	0	1	1
PL.23073	PL.13619	B	4ACSR	7.30Y	121.6	0.00	4.41	0.62	0	4	1	97	0.00	0.0	7.020	0.055	0	0	0	1
454221	PL.23073	B	Consumer	7.30Y	121.6	0.00	4.41	0.62	0	4	1	97	0.00	0.0	7.020	0.000	4	1	1	1
454243	PL.22441	B	Consumer	7.30Y	121.6	0.00	4.39	0.00	0	0	0	100	0.00	0.0	6.911	0.000	0	0	1	1
454219	PL.22441	B	Consumer	7.30Y	121.6	0.00	4.39	1.09	0	8	2	97	0.00	0.0	6.911	0.000	8	2	1	1
455215	PL.7015	B	Consumer	7.30Y	121.7	0.00	4.27	0.02	0	0	0	100	0.00	0.0	6.376	0.000	0	0	1	1
PL.13031	PL.13030	B	4ACSR	7.31Y	121.8	0.01	4.18	15.51	8	108	34	95	0.02	0.0	6.080	0.010	0	0	0	20
		C		7.26Y	121.0	0.01	5.04	26.72	14	185	60	95					0	0	0	36

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: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.13032	PL.13031	B	4ACSR	7.31Y	121.8	0.04	4.22	15.51	8	108	34	95	0.11	0.0	6.130	0.051	0	0	0	20
		C		7.25Y	120.9	0.05	5.10	26.72	14	185	60	95					0	0	0	36
PL.6434	PL.13032	B	4ACSR	7.30Y	121.7	0.05	4.28	15.47	8	108	34	95	0.15	0.1	6.201	0.070	0	0	0	18
		C		7.25Y	120.8	0.07	5.17	26.72	14	184	60	95					0	0	0	36
PL.13578	PL.6434	B	4ACSR	7.30Y	121.7	0.03	4.31	15.47	8	108	34	95	0.09	0.0	6.244	0.043	0	0	0	18
		C		7.25Y	120.8	0.05	5.22	26.72	14	184	59	95					0	0	0	36
455205	PL.13578	B	Consumer	7.30Y	121.7	0.00	4.31	2.51	0	18	5	96	0.00	0.0	6.244	0.000	18	5	1	1
455225	PL.13578	B	Consumer	7.30Y	121.7	0.00	4.31	0.60	0	4	1	97	0.00	0.0	6.244	0.000	4	1	1	1
PL.13579	PL.13578	B	4ACSR	7.30Y	121.7	0.03	4.34	12.35	6	86	27	95	0.09	0.0	6.290	0.046	0	0	0	16
		C		7.24Y	120.7	0.05	5.27	26.72	14	184	59	95					0	0	0	36
455249	PL.13579	C	Consumer	7.24Y	120.7	0.00	5.27	0.80	0	6	2	95	0.00	0.0	6.290	0.000	6	2	1	1
PL.40434	PL.13579	B	4ACSR	7.30Y	121.6	0.01	4.35	12.35	6	86	27	95	0.04	0.0	6.310	0.021	0	0	0	16
		C		7.24Y	120.7	0.02	5.29	25.92	13	179	58	95					0	0	0	35
PL.40435	PL.40434	B	4ACSR	7.30Y	121.6	0.00	4.35	8.97	5	62	20	95	0.01	0.0	6.316	0.006	0	0	0	10
		C		7.24Y	120.7	0.01	5.29	22.61	12	156	50	95					0	0	0	32
PL.13573	PL.40435	C	4ACSR	7.24Y	120.7	0.00	5.29	0.00	0	0	0	100	0.00	0.0	6.316	0.000	0	0	0	0
PL.13574	PL.40435	C	4ACSR	7.24Y	120.7	0.01	5.30	22.61	12	156	50	95	0.01	0.0	6.322	0.005	0	0	0	32
PD.3526	PL.13574	C	50L	7.24Y	120.7	0.00	5.30	22.61	45	156	50	95	0.00	0.0	6.322	0.000	0	0	0	32
PL.13580	PD.3526	C	4ACSR	7.24Y	120.6	0.08	5.38	22.61	12	156	50	95	0.10	0.1	6.403	0.081	0	0	0	32
PL.13581	PL.13580	C	4ACSR	7.23Y	120.6	0.04	5.42	21.70	11	149	48	95	0.04	0.0	6.442	0.039	0	0	0	29
455217	PL.13581	C	Consumer	7.23Y	120.6	0.00	5.42	0.13	0	1	0	100	0.00	0.0	6.442	0.000	1	0	1	1
PL.13582	PL.13581	C	4ACSR	7.23Y	120.5	0.07	5.49	21.57	11	148	48	95	0.08	0.1	6.512	0.069	0	0	0	28
455220	PL.13582	C	Consumer	7.23Y	120.5	0.00	5.49	0.77	0	5	2	93	0.00	0.0	6.512	0.000	5	2	1	1
PL.13583	PL.13582	C	4ACSR	7.23Y	120.4	0.08	5.57	20.80	11	143	46	95	0.09	0.1	6.596	0.084	0	0	0	27
455209	PL.13583	C	Consumer	7.23Y	120.4	0.00	5.57	0.30	0	2	1	89	0.00	0.0	6.596	0.000	2	1	1	1
455246	PL.13583	C	Consumer	7.23Y	120.4	0.00	5.57	1.11	0	8	2	97	0.00	0.0	6.596	0.000	8	2	1	1
455228	PL.13583	C	Consumer	7.23Y	120.4	0.00	5.57	0.00	0	0	0	100	0.00	0.0	6.596	0.000	0	0	1	1
PL.13584	PL.13583	C	4ACSR	7.22Y	120.3	0.08	5.65	19.40	10	133	43	95	0.09	0.1	6.691	0.096	0	0	0	24
PL.13585	PL.13584	C	4ACSR	7.22Y	120.3	0.07	5.72	18.35	9	126	41	95	0.07	0.1	6.775	0.084	0	0	0	22
PL.40880	PL.13585	C	4ACSR	7.22Y	120.3	0.00	5.72	1.56	1	11	3	96	0.00	0.0	6.781	0.005	0	0	0	1
PD.7272	PL.40880	C	fuse6AMP	7.22Y	120.3	0.00	5.72	1.56	27	11	3	96	0.00	0.0	6.781	0.000	0	0	0	1
PL.40881	PD.7272	C	4ACSR	7.22Y	120.3	0.00	5.73	1.56	1	11	3	96	0.00	0.0	6.851	0.070	0	0	0	1
455233	PL.40881	C	Consumer	7.22Y	120.3	0.00	5.73	1.56	0	11	3	96	0.00	0.0	6.851	0.000	11	3	1	1
PL.13586	PL.13585	C	4ACSR	7.21Y	120.2	0.06	5.78	16.78	9	115	38	95	0.05	0.0	6.848	0.072	0	0	0	21
455245	PL.13586	C	Consumer	7.21Y	120.2	0.00	5.78	1.38	0	9	3	95	0.00	0.0	6.848	0.000	9	3	1	1
PL.40878	PL.13586	C	4ACSR	7.21Y	120.2	0.00	5.78	3.27	2	23	7	96	0.00	0.0	6.855	0.008	0	0	0	3
PD.7271	PL.40878	C	fuse6AMP	7.21Y	120.2	0.00	5.78	3.27	56	23	7	96	0.00	0.0	6.855	0.000	0	0	0	3
PL.40879	PD.7271	C	4ACSR	7.21Y	120.2	0.01	5.79	3.27	2	23	7	96	0.00	0.0	6.924	0.069	0	0	0	3
PL.23015	PL.40879	C	4ACSR	7.21Y	120.2	0.00	5.79	1.49	1	10	3	96	0.00	0.0	6.962	0.038	0	0	0	1
455237	PL.23015	C	Consumer	7.21Y	120.2	0.00	5.79	1.49	0	10	3	96	0.00	0.0	6.962	0.000	10	3	1	1
PL.22518	PL.40879	C	4ACSR	7.21Y	120.2	0.00	5.79	0.78	0	5	2	93	0.00	0.0	6.995	0.071	0	0	0	1

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

Unbalanced Voltage Drop Report
Source: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
455231	PL.22518	C	Consumer	7.21Y	120.2	0.00	5.79	0.00	0	0	0	100	0.00	0.0	6.995	0.000	0	0	0	0
455247	PL.22518	C	Consumer	7.21Y	120.2	0.00	5.79	0.78	0	5	2	93	0.00	0.0	6.995	0.000	5	2	1	1
455229	PL.40879	C	Consumer	7.21Y	120.2	0.00	5.79	1.01	0	7	2	96	0.00	0.0	6.924	0.000	7	2	1	1
PL.13587	PL.13586	C	4ACSR	7.21Y	120.2	0.04	5.82	12.13	6	83	28	95	0.02	0.0	6.916	0.069	0	0	0	17
455253	PL.13587	C	Consumer	7.21Y	120.2	0.00	5.82	0.72	0	5	2	93	0.00	0.0	6.916	0.000	5	2	1	1
PL.13588	PL.13587	C	4ACSR	7.21Y	120.1	0.06	5.88	11.42	6	78	26	95	0.04	0.0	7.036	0.120	0	0	0	16
PL.40876	PL.13588	C	4ACSR	7.21Y	120.1	0.00	5.88	1.98	1	14	4	96	0.00	0.0	7.048	0.012	0	0	0	4
PD.7270	PL.40876	C	fuse6AMP	7.21Y	120.1	0.00	5.88	1.98	34	14	4	96	0.00	0.0	7.048	0.000	0	0	0	4
PL.40877	PD.7270	C	4ACSR	7.21Y	120.1	0.00	5.88	1.98	1	14	4	96	0.00	0.0	7.089	0.041	0	0	0	4
4552057	PL.40877	C	Consumer	7.21Y	120.1	0.00	5.88	0.00	0	0	0	100	0.00	0.0	7.089	0.000	0	0	1	1
PL.22520	PL.40877	C	4ACSR	7.21Y	120.1	0.01	5.89	1.98	1	14	4	96	0.00	0.0	7.213	0.124	0	0	0	3
PL.23518	PL.22520	C	4ACSR	7.21Y	120.1	0.00	5.89	0.00	0	0	0	100	0.00	0.0	7.362	0.149	0	0	0	1
4552056	PL.23518	C	Consumer	7.21Y	120.1	0.00	5.89	0.00	0	0	0	100	0.00	0.0	7.362	0.000	0	0	1	1
455255	PL.23518	C	Consumer	7.21Y	120.1	0.00	5.89	0.00	0	0	0	100	0.00	0.0	7.362	0.000	0	0	0	0
455239	PL.22520	C	Consumer	7.21Y	120.1	0.00	5.89	0.96	0	7	2	96	0.00	0.0	7.213	0.000	7	2	1	1
455240	PL.22520	C	Consumer	7.21Y	120.1	0.00	5.89	1.02	0	7	2	96	0.00	0.0	7.213	0.000	7	2	1	1
455251	PL.13588	C	Consumer	7.21Y	120.1	0.00	5.88	0.02	0	0	0	100	0.00	0.0	7.036	0.000	0	0	1	1
455230	PL.13588	C	Consumer	7.21Y	120.1	0.00	5.88	1.06	0	7	2	96	0.00	0.0	7.036	0.000	7	2	1	1
455250	PL.13588	C	Consumer	7.21Y	120.1	0.00	5.88	1.43	0	9	4	91	0.00	0.0	7.036	0.000	9	4	1	1
PL.7013	PL.13588	C	4ACSR	7.20Y	120.1	0.06	5.94	6.94	4	48	15	95	0.02	0.0	7.235	0.199	0	0	0	9
PL.13589	PL.7013	C	4ACSR	7.20Y	120.0	0.01	5.95	5.68	3	39	12	96	0.00	0.0	7.289	0.054	0	0	0	8
PL.13591	PL.13589	C	4ACSR	7.20Y	120.0	0.00	5.96	1.15	1	8	2	97	0.00	0.0	7.310	0.021	0	0	0	1
PD.1065	PL.13591	C	fuse6AMP	7.20Y	120.0	0.00	5.96	1.15	20	8	2	97	0.00	0.0	7.310	0.000	0	0	0	1
PL.13592	PD.1065	C	4ACSR	7.20Y	120.0	0.01	5.97	1.15	1	8	2	97	0.00	0.0	7.544	0.234	0	0	0	1
455252	PL.13592	C	Consumer	7.20Y	120.0	0.00	5.97	1.15	0	8	2	97	0.00	0.0	7.544	0.000	8	2	1	1
PL.41779	PL.13589	C	4ACSR	7.20Y	120.0	0.02	5.97	4.53	2	31	10	95	0.00	0.0	7.380	0.091	0	0	0	7
455234	PL.41779	C	Consumer	7.20Y	120.0	0.00	5.97	0.36	0	2	1	89	0.00	0.0	7.380	0.000	2	1	1	1
PL.13593	PL.41779	C	4ACSR	7.20Y	120.0	0.00	5.97	4.17	2	29	9	96	0.00	0.0	7.391	0.011	0	0	0	6
PL.13594	PL.13593	C	4ACSR	7.20Y	120.0	0.02	6.00	4.17	2	29	9	96	0.00	0.0	7.502	0.111	0	0	0	6
455235	PL.13594	C	Consumer	7.20Y	120.0	0.00	6.00	0.49	0	3	1	95	0.00	0.0	7.502	0.000	3	1	1	1
PL.7011	PL.13594	C	4ACSR	7.20Y	120.0	0.01	6.01	3.68	2	25	8	95	0.00	0.0	7.569	0.067	0	0	0	5
PL.7012	PL.7011	C	4ACSR	7.20Y	120.0	0.02	6.03	2.37	1	16	5	95	0.00	0.0	7.802	0.233	0	0	0	4
PL.13598	PL.7012	C	4ACSR	7.20Y	119.9	0.02	6.05	2.37	1	16	5	95	0.00	0.0	7.988	0.187	0	0	0	4
PL.40874	PL.13598	C	4ACSR	7.20Y	119.9	0.00	6.05	0.45	0	3	1	95	0.00	0.0	7.993	0.005	0	0	0	2
PD.7269	PL.40874	C	fuse6AMP	7.20Y	119.9	0.00	6.05	0.45	8	3	1	95	0.00	0.0	7.993	0.000	0	0	0	2
PL.40875	PD.7269	C	4ACSR	7.20Y	119.9	0.00	6.05	0.45	0	3	1	95	0.00	0.0	8.040	0.047	0	0	0	2
PL.23016	PL.40875	C	4ACSR	7.20Y	119.9	0.00	6.05	0.45	0	3	1	95	0.00	0.0	8.098	0.057	0	0	0	2
455314	PL.23016	C	Consumer	7.20Y	119.9	0.00	6.05	0.39	0	3	1	95	0.00	0.0	8.098	0.000	3	1	1	1

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

Unbalanced Voltage Drop Report
Source: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.28655	PL.23016	C	4ACSR	7.20Y	119.9	0.00	6.05	0.06	0	0	0	100	0.00	0.0	8.189	0.091	0	0	0	1
455315	PL.28655	C	Consumer	7.20Y	119.9	0.00	6.05	0.06	0	0	0	100	0.00	0.0	8.189	0.000	0	0	1	1
PL.13597	PL.13598	C	4ACSR	7.20Y	119.9	0.01	6.06	1.91	1	13	4	96	0.00	0.0	8.062	0.073	0	0	0	2
PL.6974	PL.13597	C	4ACSR	7.20Y	119.9	0.00	6.06	0.68	0	5	1	98	0.00	0.0	8.118	0.056	0	0	0	1
PL.40872	PL.6974	C	4ACSR	7.20Y	119.9	0.00	6.06	0.68	0	5	1	98	0.00	0.0	8.122	0.004	0	0	0	1
PD.7268	PL.40872	C	fuse6AMP	7.20Y	119.9	0.00	6.06	0.68	12	5	1	98	0.00	0.0	8.122	0.000	0	0	0	1
PL.40873	PD.7268	C	4ACSR	7.20Y	119.9	0.00	6.06	0.68	0	5	1	98	0.00	0.0	8.178	0.056	0	0	0	1
454305	PL.40873	C	Consumer	7.20Y	119.9	0.00	6.06	0.68	0	5	1	98	0.00	0.0	8.178	0.000	5	1	1	1
PL.13596	PL.6974	C	4ACSR	7.20Y	119.9	0.00	6.06	0.00	0	0	0	100	0.00	0.0	8.136	0.019	0	0	0	0
PD.402-B	PL.13596	C	Open	7.20Y	119.9	0.00	6.06	0.00	0	0	0	100	0.00	0.0	8.136	0.000	0	0	0	0
454306	PL.13597	C	Consumer	7.20Y	119.9	0.00	6.06	1.23	0	8	3	94	0.00	0.0	8.062	0.000	8	3	1	1
454304	PL.13597	C	Consumer	7.20Y	119.9	0.00	6.06	0.00	0	0	0	100	0.00	0.0	8.062	0.000	0	0	0	0
455236	PL.7011	C	Consumer	7.20Y	120.0	0.00	6.01	1.31	0	9	3	95	0.00	0.0	7.569	0.000	9	3	1	1
455244	PL.7013	C	Consumer	7.20Y	120.1	0.00	5.94	1.25	0	9	3	95	0.00	0.0	7.235	0.000	9	3	1	1
4552058	PL.13585	C	Consumer	7.22Y	120.3	0.00	5.72	0.00	0	0	0	100	0.00	0.0	6.775	0.000	0	0	0	0
PL.40882	PL.13584	C	4ACSR	7.22Y	120.3	0.00	5.65	0.48	0	3	1	95	0.00	0.0	6.698	0.007	0	0	0	1
PD.7273	PL.40882	C	fuse6AMP	7.22Y	120.3	0.00	5.65	0.48	8	3	1	95	0.00	0.0	6.698	0.000	0	0	0	1
PL.40883	PD.7273	C	4ACSR	7.22Y	120.3	0.00	5.66	0.48	0	3	1	95	0.00	0.0	6.800	0.101	0	0	0	1
455216	PL.40883	C	Consumer	7.22Y	120.3	0.00	5.66	0.48	0	3	1	95	0.00	0.0	6.800	0.000	3	1	1	1
455218	PL.13584	C	Consumer	7.22Y	120.3	0.00	5.65	0.57	0	4	1	97	0.00	0.0	6.691	0.000	4	1	1	1
455207	PL.13580	C	Consumer	7.24Y	120.6	0.00	5.38	0.36	0	2	1	89	0.00	0.0	6.403	0.000	2	1	1	1
455227	PL.13580	C	Consumer	7.24Y	120.6	0.00	5.38	0.47	0	3	1	95	0.00	0.0	6.403	0.000	3	1	1	1
455224	PL.13580	C	Consumer	7.24Y	120.6	0.00	5.38	0.09	0	1	0	100	0.00	0.0	6.403	0.000	1	0	1	1
PL.41777	PL.40435	B	4ACSR	7.30Y	121.6	0.00	4.36	8.97	5	62	20	95	0.00	0.0	6.325	0.009	0	0	0	10
C PD.7519	PL.41777	B	fuse6AMP	7.30Y	121.6	0.00	4.36	8.97	153	62	20	95	0.00	0.0	6.325	0.000	0	0	0	10 C
PL.41778	PD.7519	B	4ACSR	7.30Y	121.6	0.03	4.39	8.97	5	62	20	95	0.01	0.0	6.399	0.074	0	0	0	10
PL.6432	PL.41778	B	4ACSR	7.30Y	121.6	0.01	4.40	8.97	5	62	20	95	0.01	0.0	6.435	0.036	0	0	0	10
PL.13621	PL.6432	B	4ACSR	7.30Y	121.6	0.01	4.41	8.97	5	62	20	95	0.00	0.0	6.454	0.019	0	0	0	10
PL.13622	PL.13621	B	4ACSR	7.29Y	121.5	0.08	4.49	8.13	4	57	18	95	0.03	0.1	6.661	0.207	0	0	0	9
PL.6431	PL.13622	B	4ACSR	7.29Y	121.4	0.08	4.57	6.86	4	48	15	95	0.03	0.1	6.928	0.268	0	0	0	8
446901	PL.6431	B	Consumer	7.29Y	121.4	0.00	4.57	0.00	0	0	0	100	0.00	0.0	6.928	0.000	0	0	1	1
PL.6430	PL.6431	B	4ACSR	7.28Y	121.4	0.03	4.60	6.86	4	48	15	95	0.01	0.0	7.024	0.096	0	0	0	7
446912	PL.6430	B	Consumer	7.28Y	121.4	0.00	4.60	0.93	0	6	2	95	0.00	0.0	7.024	0.000	6	2	1	1
PL.22542	PL.6430	B	4ACSR	7.28Y	121.4	0.01	4.61	2.42	1	17	5	96	0.00	0.0	7.131	0.106	0	0	0	2
PL.22541	PL.22542	B	4ACSR	7.28Y	121.4	0.00	4.61	1.30	1	9	3	95	0.00	0.0	7.203	0.072	0	0	0	1
446909	PL.22541	B	Consumer	7.28Y	121.4	0.00	4.61	1.30	0	9	3	95	0.00	0.0	7.203	0.000	9	3	1	1
446906	PL.22542	B	Consumer	7.28Y	121.4	0.00	4.61	1.12	0	8	2	97	0.00	0.0	7.131	0.000	8	2	1	1
PL.41302	PL.6430	B	4ACSR	7.28Y	121.4	0.01	4.61	3.50	2	24	8	95	0.00	0.0	7.106	0.082	0	0	0	4

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: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
446902	PL.41302	B	Consumer	7.28Y	121.4	0.00	4.61	1.28	0	9	3	95	0.00	0.0	7.106	0.000	9	3	1	1
PL.41303	PL.41302	B	4ACSR	7.28Y	121.4	0.01	4.62	2.23	1	15	5	95	0.00	0.0	7.157	0.051	0	0	0	3
PL.13623	PL.41303	B	4ACSR	7.28Y	121.4	0.01	4.62	1.33	1	9	3	95	0.00	0.0	7.261	0.104	0	0	0	1
PL.13624	PL.13623	B	4ACSR	7.28Y	121.4	0.00	4.63	1.33	1	9	3	95	0.00	0.0	7.325	0.064	0	0	0	1
PL.1837	PL.13624	B	4ACSR	7.28Y	121.4	0.01	4.64	1.33	1	9	3	95	0.00	0.0	7.522	0.197	0	0	0	1
456253	PL.1837	B	Consumer	7.28Y	121.4	0.00	4.64	1.33	0	9	3	95	0.00	0.0	7.522	0.000	9	3	1	1
446903	PL.13624	B	Consumer	7.28Y	121.4	0.00	4.63	0.00	0	0	0	100	0.00	0.0	7.325	0.000	0	0	0	0
PL.39193	PL.41303	B	4ACSR	7.28Y	121.4	0.00	4.62	0.90	0	6	2	95	0.00	0.0	7.188	0.031	0	0	0	2
PL.39194	PL.39193	B	4ACSR	7.28Y	121.4	0.00	4.62	0.89	0	6	2	95	0.00	0.0	7.253	0.065	0	0	0	1
4469016	PL.39194	B	Consumer	7.28Y	121.4	0.00	4.62	0.89	0	6	2	95	0.00	0.0	7.253	0.000	6	2	1	1
446904	PL.39193	B	Consumer	7.28Y	121.4	0.00	4.62	0.01	0	0	0	100	0.00	0.0	7.188	0.000	0	0	1	1
445933	PL.13622	B	Consumer	7.29Y	121.5	0.00	4.49	0.00	0	0	0	100	0.00	0.0	6.661	0.000	0	0	0	0
445930	PL.13622	B	Consumer	7.29Y	121.5	0.00	4.49	1.27	0	9	3	95	0.00	0.0	6.661	0.000	9	3	1	1
PL.22540	PL.13621	B	4ACSR	7.30Y	121.6	0.00	4.41	0.84	0	6	2	95	0.00	0.0	6.514	0.060	0	0	0	1
445923	PL.22540	B	Consumer	7.30Y	121.6	0.00	4.41	0.84	0	6	2	95	0.00	0.0	6.514	0.000	6	2	1	1
PL.40433	PL.40434	B	4ACSR	7.30Y	121.6	0.01	4.36	3.38	2	24	7	96	0.00	0.0	6.383	0.073	0	0	0	6
		C		7.24Y	120.7	0.01	5.30	3.31	2	23	7	95					0	0	0	3
PL.13611	PL.40433	B	4ACSR	7.30Y	121.6	0.01	4.38	2.48	1	17	5	96	0.00	0.0	6.494	0.111	0	0	0	4
		C		7.24Y	120.7	0.01	5.31	3.31	2	23	7	95					0	0	0	3
455232	PL.13611	C	Consumer	7.24Y	120.7	0.00	5.31	1.07	0	7	2	96	0.00	0.0	6.494	0.000	7	2	1	1
PL.46035	PL.13611	B	4ACSR	7.30Y	121.6	0.02	4.39	2.48	1	17	5	96	0.00	0.0	6.624	0.130	0	0	0	4
		C		7.24Y	120.7	0.01	5.32	1.66	1	11	4	95					0	0	0	1
PD.8711-A	PL.46035	B	Closed	7.30Y	121.6	0.00	4.39	2.48	0	17	5	96	0.00	0.0	6.624	0.000	0	0	0	4
		C		7.24Y	120.7	0.00	5.32	1.66	0	11	4	95					0	0	0	1
PD.8711-B	PD.8711-A	B	Closed	7.30Y	121.6	0.00	4.39	2.48	0	17	5	96	0.00	0.0	6.624	0.000	0	0	0	4
		C		7.24Y	120.7	0.00	5.32	1.66	0	11	4	95					0	0	0	1
PL.46036	PD.8711-B	B	4ACSR	7.30Y	121.6	0.00	4.40	2.48	1	17	5	96	0.00	0.0	6.653	0.028	0	0	0	4
		C		7.24Y	120.7	0.00	5.32	1.66	1	11	4	95					0	0	0	1
PL.46024	PL.46036	B	4ACSR	7.30Y	121.6	0.00	4.40	2.48	1	17	5	96	0.00	0.0	6.680	0.028	0	0	0	4
		C		7.24Y	120.7	0.00	5.32	1.66	1	11	4	95					0	0	0	1
PL.46022	PL.46024	B	4ACSR	7.30Y	121.6	0.00	4.40	2.48	1	17	5	96	0.00	0.0	6.694	0.013	0	0	0	4
		C		7.24Y	120.7	0.00	5.32	1.66	1	11	4	95					0	0	0	1
PL.13613	PL.46022	B	4ACSR	7.30Y	121.6	0.00	4.40	2.48	1	17	5	96	0.00	0.0	6.703	0.009	0	0	0	4
		C		7.24Y	120.7	0.00	5.32	1.66	1	11	4	95					0	0	0	1
PL.13614	PL.13613	C	4ACSR	7.24Y	120.7	0.00	5.32	1.66	1	11	4	94	0.00	0.0	6.710	0.007	0	0	0	1
PD.1062	PL.13614	C	fuse6AMP	7.24Y	120.7	0.00	5.32	1.66	28	11	4	94	0.00	0.0	6.710	0.000	0	0	0	1
PL.13615	PD.1062	C	4ACSR	7.24Y	120.7	0.00	5.33	1.66	1	11	4	94	0.00	0.0	6.767	0.057	0	0	0	1
455243	PL.13615	C	Consumer	7.24Y	120.7	0.00	5.33	1.66	0	11	4	94	0.00	0.0	6.767	0.000	11	4	1	1
PL.13616	PL.13613	C	4ACSR	7.24Y	120.7	0.00	5.32	0.00	0	0	0	100	0.00	0.0	6.709	0.005	0	0	0	0
PL.13617	PL.13616	C	4ACSR	7.24Y	120.7	0.00	5.32	0.00	0	0	0	100	0.00	0.0	6.718	0.009	0	0	0	0
455241	PL.13617	C	Consumer	7.24Y	120.7	0.00	5.32	0.00	0	0	0	100	0.00	0.0	6.718	0.000	0	0	0	0
PL.13610	PL.13613	B	4ACSR	7.30Y	121.6	0.00	4.40	2.48	1	17	5	96	0.00	0.0	6.733	0.030	0	0	0	4
		C		7.24Y	120.7	-0.00	5.32	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: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.21238	PL.13610	B	4ACSR	7.30Y	121.6	0.00	4.41	2.48	1	17	5	96	0.00	0.0	6.753	0.020	0	0	0	4
		C		7.24Y	120.7	-0.00	5.32	0.00	0	0	0	100					0	0	0	0
PL.41771	PL.21238	B	4ACSR	7.30Y	121.6	0.00	4.41	1.24	1	9	3	95	0.00	0.0	6.757	0.004	0	0	0	1
PD.7515	PL.41771	B	fuse6AMP	7.30Y	121.6	0.00	4.41	1.24	21	9	3	95	0.00	0.0	6.757	0.000	0	0	0	1
PL.41772	PD.7515	B	4ACSR	7.30Y	121.6	0.00	4.41	1.24	1	9	3	95	0.00	0.0	6.808	0.052	0	0	0	1
455212	PL.41772	B	Consumer	7.30Y	121.6	0.00	4.41	1.24	0	9	3	95	0.00	0.0	6.808	0.000	9	3	1	1
PL.21237	PL.21238	B	4ACSR	7.30Y	121.6	0.00	4.41	1.24	1	9	3	95	0.00	0.0	6.823	0.070	0	0	0	3
		C		7.24Y	120.7	-0.00	5.32	0.00	0	0	0	100					0	0	0	0
455213	PL.21237	B	Consumer	7.30Y	121.6	0.00	4.41	0.27	0	2	1	89	0.00	0.0	6.823	0.000	2	1	1	1
455226	PL.21237	B	Consumer	7.30Y	121.6	0.00	4.41	0.69	0	5	2	93	0.00	0.0	6.823	0.000	5	2	1	1
PL.13608	PL.21237	B	4ACSR	7.30Y	121.6	0.00	4.41	0.27	0	2	1	89	0.00	0.0	6.965	0.142	0	0	0	1
		C		7.24Y	120.7	-0.00	5.32	0.00	0	0	0	100					0	0	0	0
PL.13609	PL.13608	B	4ACSR	7.30Y	121.6	0.00	4.41	0.00	0	0	0	100	0.00	0.0	7.095	0.130	0	0	0	0
		C		7.24Y	120.7	0.00	5.32	0.00	0	0	0	100					0	0	0	0
PL.40888	PL.13609	B	4ACSR	7.30Y	121.6	0.00	4.41	0.00	0	0	0	100	0.00	0.0	7.136	0.041	0	0	0	0
		C		7.24Y	120.7	0.00	5.32	0.00	0	0	0	100					0	0	0	0
PD.7276-A	PL.40888	B	Open	7.30Y	121.6	0.00	4.41	0.00	0	0	0	100	0.00	0.0	7.136	0.000	0	0	0	0
		C		7.24Y	120.7	0.00	5.32	0.00	0	0	0	100					0	0	0	0
456233	PL.13609	B	Consumer	7.30Y	121.6	0.00	4.41	0.00	0	0	0	100	0.00	0.0	7.095	0.000	0	0	0	0
		C		7.24Y	120.7	0.00	5.32	0.00	0	0	0	100					0	0	0	0
456241	PL.13609	C	Consumer	7.24Y	120.7	0.00	5.32	0.00	0	0	0	100	0.00	0.0	7.095	0.000	0	0	0	0
PL.41769	PL.13608	B	4ACSR	7.30Y	121.6	0.00	4.41	0.27	0	2	1	89	0.00	0.0	6.969	0.005	0	0	0	1
PD.7513	PL.41769	B	fuse6AMP	7.30Y	121.6	0.00	4.41	0.27	5	2	1	89	0.00	0.0	6.969	0.000	0	0	0	1
PL.41770	PD.7513	B	4ACSR	7.30Y	121.6	0.00	4.41	0.27	0	2	1	89	0.00	0.0	7.036	0.067	0	0	0	1
PL.22334	PL.41770	B	4ACSR	7.30Y	121.6	0.00	4.42	0.27	0	2	1	89	0.00	0.0	7.211	0.175	0	0	0	1
456222	PL.22334	B	Consumer	7.30Y	121.6	0.00	4.42	0.27	0	2	1	89	0.00	0.0	7.211	0.000	2	1	1	1
456214	PL.41770	B	Consumer	7.30Y	121.6	0.00	4.41	0.00	0	0	0	100	0.00	0.0	7.036	0.000	0	0	0	0
456218	PL.41770	B	Consumer	7.30Y	121.6	0.00	4.41	0.00	0	0	0	100	0.00	0.0	7.036	0.000	0	0	0	0
PL.41775	PL.13611	C	4ACSR	7.24Y	120.7	0.00	5.31	0.58	0	4	1	97	0.00	0.0	6.499	0.005	0	0	0	1
PD.7517	PL.41775	C	fuse6AMP	7.24Y	120.7	0.00	5.31	0.58	10	4	1	97	0.00	0.0	6.499	0.000	0	0	0	1
PL.41776	PD.7517	C	4ACSR	7.24Y	120.7	0.00	5.31	0.58	0	4	1	97	0.00	0.0	6.565	0.067	0	0	0	1
455210	PL.41776	C	Consumer	7.24Y	120.7	0.00	5.31	0.58	0	4	1	97	0.00	0.0	6.565	0.000	4	1	1	1
455222	PL.40433	B	Consumer	7.30Y	121.6	0.00	4.36	0.46	0	3	1	95	0.00	0.0	6.383	0.000	3	1	1	1
455219	PL.40433	B	Consumer	7.30Y	121.6	0.00	4.36	0.45	0	3	1	95	0.00	0.0	6.383	0.000	3	1	1	1
455203	PL.13032	B	Consumer	7.31Y	121.8	0.00	4.22	0.03	0	0	0	100	0.00	0.0	6.130	0.000	0	0	1	1
445908	PL.13032	B	Consumer	7.31Y	121.8	0.00	4.22	0.01	0	0	0	100	0.00	0.0	6.130	0.000	0	0	1	1
445931	PL.13032	B	Consumer	7.31Y	121.8	0.00	4.22	0.00	0	0	0	100	0.00	0.0	6.130	0.000	0	0	0	0
		C		7.25Y	120.9	0.00	5.10	0.00	0	0	0	100					0	0	0	0
PL.45487	PL.13030	B	4ACSR	7.31Y	121.8	0.00	4.17	0.83	0	6	2	95	0.00	0.0	6.085	0.016	0	0	0	2
PD.1453	PL.45487	B	fuse6AMP	7.31Y	121.8	0.00	4.17	0.83	14	6	2	95	0.00	0.0	6.085	0.000	0	0	0	2
PL.45488	PD.1453	B	4ACSR	7.31Y	121.8	0.00	4.18	0.83	0	6	2	95	0.00	0.0	6.201	0.116	0	0	0	2
445925	PL.45488	B	Consumer	7.31Y	121.8	0.00	4.18	0.06	0	0	0	100	0.00	0.0	6.201	0.000	0	0	1	1

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

Unbalanced Voltage Drop Report
Source: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
445914	PL.45488	B	Consumer	7.31Y	121.8	0.00	4.18	0.76	0	5	2	93	0.00	0.0	6.201	0.000	5	2	1	1
445907	PL.13569	B	Consumer	7.31Y	121.9	0.00	4.09	0.00	0	0	0	100	0.00	0.0	6.000	0.000	0	0	0	0
445912	PL.13569	B	Consumer	7.31Y	121.9	0.00	4.09	0.06	0	0	0	100	0.00	0.0	6.000	0.000	0	0	1	1
445928	PL.13569	B	Consumer	7.31Y	121.9	0.00	4.09	0.00	0	0	0	100	0.00	0.0	6.000	0.000	0	0	0	0
PL.24033	PL.13568	B	4ACSR	7.32Y	121.9	0.00	4.07	0.01	0	0	0	100	0.00	0.0	6.081	0.100	0	0	0	1
445911	PL.24033	B	Consumer	7.32Y	121.9	0.00	4.07	0.01	0	0	0	100	0.00	0.0	6.081	0.000	0	0	1	1
445917	PL.8598	C	Consumer	7.27Y	121.1	0.00	4.89	0.15	0	1	0	100	0.00	0.0	5.921	0.000	1	0	1	1
PD.8118-A	PL.13161	C	Closed	7.28Y	121.4	0.00	4.62	0.00	0	0	0	100	0.00	0.0	5.643	0.000	0	0	0	0
PD.8118-B	PD.8118-A	C	Closed	7.28Y	121.4	0.00	4.62	0.00	0	0	0	100	0.00	0.0	5.643	0.000	0	0	0	0
444947	PD.8118-B	C	Consumer	7.28Y	121.4	0.00	4.62	0.00	0	0	0	100	0.00	0.0	5.643	0.000	0	0	0	0
445916	PL.13161	C	Consumer	7.28Y	121.4	0.00	4.62	0.26	0	2	1	89	0.00	0.0	5.643	0.000	2	1	1	1
PL.42681	PL.41700	C	4ACSR	7.35Y	122.5	0.00	3.47	1.04	1	7	2	96	0.00	0.0	5.240	0.004	0	0	0	1
PD.8121	PL.42681	C	fuse6AMP	7.35Y	122.5	0.00	3.47	1.04	18	7	2	96	0.00	0.0	5.240	0.000	0	0	0	1
PL.42682	PD.8121	C	4ACSR	7.35Y	122.5	0.01	3.48	1.04	1	7	2	96	0.00	0.0	5.356	0.116	0	0	0	1
444909	PL.42682	C	Consumer	7.35Y	122.5	0.00	3.48	1.04	0	7	2	96	0.00	0.0	5.356	0.000	7	2	1	1
444963	PL.41700	C	Consumer	7.35Y	122.5	0.00	3.47	0.04	0	0	0	100	0.00	0.0	5.236	0.000	0	0	1	1
444921	PL.41700	C	Consumer	7.35Y	122.5	0.00	3.47	0.37	0	3	1	95	0.00	0.0	5.236	0.000	3	1	1	1
PL.42683	PL.41700	B	4ACSR	7.39Y	123.2	0.00	2.81	4.89	3	34	11	95	0.00	0.0	5.240	0.004	0	0	0	5
C PD.8122	PL.42683	B	fuse6AMP	7.39Y	123.2	0.00	2.81	4.89	84	34	11	95	0.00	0.0	5.240	0.000	0	0	0	5 C
PL.42686	PD.8122	B	4ACSR	7.39Y	123.2	0.00	2.81	4.89	3	34	11	95	0.00	0.0	5.241	0.001	0	0	0	5
PL.42685	PL.42686	B	4ACSR	7.39Y	123.2	0.01	2.81	2.01	1	14	4	96	0.00	0.0	5.307	0.065	0	0	0	3
444932	PL.42685	B	Consumer	7.39Y	123.2	0.00	2.81	0.00	0	0	0	100	0.00	0.0	5.307	0.000	0	0	1	1
444914	PL.42685	B	Consumer	7.39Y	123.2	0.00	2.81	0.72	0	5	2	93	0.00	0.0	5.307	0.000	5	2	1	1
444928	PL.42685	B	Consumer	7.39Y	123.2	0.00	2.81	1.29	0	9	3	95	0.00	0.0	5.307	0.000	9	3	1	1
PL.42687	PL.42686	B	4ACSR	7.39Y	123.2	0.02	2.83	2.88	1	20	6	96	0.00	0.0	5.387	0.145	0	0	0	2
PL.2717	PL.42687	B	4ACSR	7.39Y	123.2	0.02	2.85	1.65	1	12	4	95	0.00	0.0	5.679	0.293	0	0	0	1
444961	PL.2717	B	Consumer	7.39Y	123.2	0.00	2.85	1.65	0	12	4	95	0.00	0.0	5.679	0.000	12	4	1	1
444906	PL.42687	B	Consumer	7.39Y	123.2	0.00	2.83	1.23	0	9	3	95	0.00	0.0	5.387	0.000	9	3	1	1
PL.42692	PL.6873	B	4ACSR	7.46Y	124.3	0.00	1.75	1.08	1	8	2	97	0.00	0.0	4.796	0.005	0	0	0	4
PD.8124	PL.42692	B	fuse6AMP	7.46Y	124.3	0.00	1.75	1.08	19	8	2	97	0.00	0.0	4.796	0.000	0	0	0	4
PL.42693	PD.8124	B	4ACSR	7.46Y	124.3	0.00	1.75	1.08	1	8	2	97	0.00	0.0	4.889	0.093	0	0	0	4
PL.6871	PL.42693	B	4ACSR	7.45Y	124.2	0.00	1.75	1.08	1	8	2	97	0.00	0.0	4.951	0.061	0	0	0	4
PL.6872	PL.6871	B	4ACSR	7.45Y	124.2	0.00	1.75	0.91	0	6	2	95	0.00	0.0	5.007	0.056	0	0	0	2
PL.13432	PL.6872	B	4ACSR	7.45Y	124.2	0.00	1.76	0.91	0	6	2	95	0.00	0.0	5.076	0.070	0	0	0	2
PL.2574	PL.13432	B	4ACSR	7.45Y	124.2	0.00	1.76	0.91	0	6	2	95	0.00	0.0	5.198	0.121	0	0	0	2
PL.2573	PL.2574	B	4ACSR	7.45Y	124.2	0.00	1.77	0.91	0	6	2	95	0.00	0.0	5.285	0.088	0	0	0	2
444929	PL.2573	B	Consumer	7.45Y	124.2	0.00	1.77	0.90	0	6	2	95	0.00	0.0	5.285	0.000	6	2	1	1
444941	PL.2573	B	Consumer	7.45Y	124.2	0.00	1.77	0.01	0	0	0	100	0.00	0.0	5.285	0.000	0	0	1	1

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Unbalanced Voltage Drop Report
Source: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
444957	PL.6871	B	Consumer	7.45Y	124.2	0.00	1.75	0.00	0	0	0	100	0.00	0.0	4.951	0.000	0	0	1	1
444902	PL.6871	B	Consumer	7.45Y	124.2	0.00	1.75	0.18	0	1	0	100	0.00	0.0	4.951	0.000	1	0	1	1
PL.42690	PL.6873	C	4ACSR	7.43Y	123.8	0.00	2.16	0.73	0	5	2	93	0.00	0.0	4.795	0.003	0	0	0	1
PD.8123	PL.42690	C	fuse6AMP	7.43Y	123.8	0.00	2.16	0.73	13	5	2	93	0.00	0.0	4.795	0.000	0	0	0	1
PL.42691	PD.8123	C	4ACSR	7.43Y	123.8	0.00	2.16	0.73	0	5	2	93	0.00	0.0	4.835	0.041	0	0	0	1
444944	PL.42691	C	Consumer	7.43Y	123.8	0.00	2.16	0.73	0	5	2	93	0.00	0.0	4.835	0.000	5	2	1	1
444918	PL.13428	B	Consumer	7.50Y	125.0	0.00	1.02	0.98	0	7	2	96	0.00	0.0	4.493	0.000	7	2	1	1
PL.42698	PL.13428	B	4ACSR	7.50Y	125.0	0.00	1.02	1.71	1	12	4	95	0.00	0.0	4.496	0.004	0	0	0	2
PD.8127	PL.42698	B	fuse6AMP	7.50Y	125.0	0.00	1.02	1.71	29	12	4	95	0.00	0.0	4.496	0.000	0	0	0	2
PL.42699	PD.8127	B	4ACSR	7.50Y	125.0	0.01	1.02	1.71	1	12	4	95	0.00	0.0	4.590	0.093	0	0	0	2
PL.2569	PL.42699	B	4ACSR	7.50Y	125.0	0.01	1.03	1.28	1	9	3	95	0.00	0.0	4.693	0.103	0	0	0	1
444925	PL.2569	B	Consumer	7.50Y	125.0	0.00	1.03	1.28	0	9	3	95	0.00	0.0	4.693	0.000	9	3	1	1
444901	PL.42699	B	Consumer	7.50Y	125.0	0.00	1.02	0.43	0	3	1	95	0.00	0.0	4.590	0.000	3	1	1	1
443905	PL.28136	C	Consumer	7.51Y	125.1	0.00	0.87	0.20	0	1	0	100	0.00	0.0	4.377	0.000	1	0	1	1
443825	PL.43120	B	Consumer	7.30Y	121.7	0.00	4.33	0.12	0	1	0	100	0.00	0.0	4.012	0.000	1	0	1	1
443867	PL.43120	B	Consumer	7.30Y	121.7	0.00	4.33	0.87	0	6	2	95	0.00	0.0	4.012	0.000	6	2	1	1
PL.42700	PL.43120	B	4ACSR	7.30Y	121.7	0.00	4.33	1.33	1	9	3	95	0.00	0.0	4.016	0.004	0	0	0	2
PD.8128	PL.42700	B	fuse6AMP	7.30Y	121.7	0.00	4.33	1.33	23	9	3	95	0.00	0.0	4.016	0.000	0	0	0	2
PL.42701	PD.8128	B	4ACSR	7.30Y	121.7	0.00	4.33	1.33	1	9	3	95	0.00	0.0	4.060	0.044	0	0	0	2
PL.6882	PL.42701	B	4ACSR	7.30Y	121.7	0.00	4.34	1.33	1	9	3	95	0.00	0.0	4.088	0.028	0	0	0	2
PL.6883	PL.6882	B	4ACSR	7.30Y	121.7	0.01	4.34	1.33	1	9	3	95	0.00	0.0	4.207	0.119	0	0	0	2
443865	PL.6883	B	Consumer	7.30Y	121.7	0.00	4.34	0.93	0	6	2	95	0.00	0.0	4.207	0.000	6	2	1	1
443871	PL.6883	B	Consumer	7.30Y	121.7	0.00	4.34	0.40	0	3	1	95	0.00	0.0	4.207	0.000	3	1	1	1
PL.13427	PL.42701	B	4ACSR	7.30Y	121.7	0.00	4.33	0.00	0	0	0	100	0.00	0.0	4.124	0.064	0	0	0	0
443864	PL.13427	B	Consumer	7.30Y	121.7	0.00	4.33	0.00	0	0	0	100	0.00	0.0	4.124	0.000	0	0	0	0
443816	PL.25934	C	Consumer	7.33Y	122.1	0.00	3.90	0.00	0	0	0	100	0.00	0.0	3.515	0.000	0	0	0	0
443836	PL.25934	A	Consumer	7.46Y	124.3	0.00	1.75	0.00	0	0	0	100	0.00	0.0	3.515	0.000	0	0	1	1
PL.2581	PL.25933	A	4ACSR	7.46Y	124.3	0.00	1.68	0.71	0	5	2	93	0.00	0.0	3.437	0.060	0	0	0	1
443846	PL.2581	A	Consumer	7.46Y	124.3	0.00	1.68	0.71	0	5	2	93	0.00	0.0	3.437	0.000	5	2	1	1
P CP.10	PL.20195	A	Cap (300)	7.48Y	124.7	0.00	1.31	-14.43	0	0	-108	0	0.00	0.0	2.730	0.000	0	0	0	0 P
P		B		7.39Y	123.2	0.00	2.76	-14.26	0	0	-105	0					0	0	0	0 P
		C		7.38Y	123.1	0.00	2.94	-14.24	0	0	-105	0					0	0	0	0
PL.10670	PL.10668	C	4ACSR	7.41Y	123.4	0.00	2.58	1.15	1	8	3	94	0.00	0.0	2.431	0.006	0	0	0	1
PD.987	PL.10670	C	fuse6AMP	7.41Y	123.4	0.00	2.58	1.15	20	8	3	94	0.00	0.0	2.431	0.000	0	0	0	1
PL.10671	PD.987	C	4ACSR	7.41Y	123.4	0.00	2.58	1.15	1	8	3	94	0.00	0.0	2.477	0.046	0	0	0	1
443715	PL.10671	C	Consumer	7.41Y	123.4	0.00	2.58	1.15	0	8	3	94	0.00	0.0	2.477	0.000	8	3	1	1
444711	PL.10658	C	Consumer	7.45Y	124.1	0.00	1.91	0.24	0	2	1	89	0.00	0.0	1.861	0.000	2	1	1	1
PL.42343	PL.25926	B	4ACSR	7.47Y	124.5	0.00	1.50	13.70	7	98	30	96	0.00	0.0	1.306	0.007	0	0	0	25
PD.7702-A	PL.42343	B	Closed	7.47Y	124.5	0.00	1.50	13.70	0	98	30	96	0.00	0.0	1.306	0.000	0	0	0	25

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: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.7702-B	PD.7702-A	B	Closed	7.47Y	124.5	0.00	1.50	13.70	0	98	30	96	0.00	0.0	1.306	0.000	0	0	0	25
PL.42344	PD.7702-B	B	4ACSR	7.47Y	124.5	0.01	1.52	13.70	7	98	30	96	0.01	0.0	1.326	0.021	0	0	0	25
PL.25928	PL.42344	B	4ACSR	7.47Y	124.5	0.01	1.53	13.70	7	98	30	96	0.01	0.0	1.343	0.016	0	0	0	25
PL.42325	PL.25928	B	4ACSR	7.47Y	124.5	0.00	1.53	13.70	7	98	30	96	0.00	0.0	1.348	0.006	0	0	0	25
PD.7690	PL.42325	B	35L	7.47Y	124.5	0.00	1.53	13.70	39	98	30	96	0.00	0.0	1.348	0.000	0	0	0	25
PL.42326	PD.7690	B	4ACSR	7.46Y	124.4	0.07	1.60	13.70	7	98	30	96	0.05	0.1	1.459	0.110	0	0	0	25
PL.42329	PL.42326	B	4ACSR	7.46Y	124.4	0.00	1.60	0.83	0	6	2	95	0.00	0.0	1.463	0.005	0	0	0	1
PD.7693	PL.42329	B	fuse6AMP	7.46Y	124.4	0.00	1.60	0.83	14	6	2	95	0.00	0.0	1.463	0.000	0	0	0	1
PL.42330	PD.7693	B	4ACSR	7.46Y	124.4	0.00	1.60	0.83	0	6	2	95	0.00	0.0	1.526	0.062	0	0	0	1
445729	PL.42330	B	Consumer	7.46Y	124.4	0.00	1.60	0.83	0	6	2	95	0.00	0.0	1.526	0.000	6	2	1	1
PL.24290	PL.42326	B	4ACSR	7.46Y	124.4	0.03	1.63	12.57	6	90	28	95	0.02	0.0	1.507	0.048	0	0	0	23
445732	PL.24290	B	Consumer	7.46Y	124.4	0.00	1.63	0.04	0	0	0	100	0.00	0.0	1.507	0.000	0	0	1	1
PL.42333	PL.24290	B	4ACSR	7.46Y	124.4	0.00	1.63	1.88	1	13	4	96	0.00	0.0	1.513	0.006	0	0	0	2
PD.7695	PL.42333	B	fuse6AMP	7.46Y	124.4	0.00	1.63	1.88	32	13	4	96	0.00	0.0	1.513	0.000	0	0	0	2
PL.42334	PD.7695	B	4ACSR	7.46Y	124.4	0.01	1.63	1.88	1	13	4	96	0.00	0.0	1.589	0.076	0	0	0	2
PL.34959	PL.42334	B	4ACSR	7.46Y	124.4	0.01	1.64	0.94	0	7	2	96	0.00	0.0	1.789	0.200	0	0	0	1
PD.5177	PL.34959	B	fuse6AMP	7.46Y	124.4	0.00	1.64	0.94	16	7	2	96	0.00	0.0	1.789	0.000	0	0	0	1
PL.34960	PD.5177	B	1/0EPRJCN	7.46Y	124.4	0.00	1.64	0.94	0	7	2	96	0.00	0.0	1.830	0.041	0	0	0	1
4447029	PL.34960	B	Consumer	7.46Y	124.4	0.00	1.64	0.94	0	7	2	96	0.00	0.0	1.830	0.000	7	2	1	1
445709	PL.42334	B	Consumer	7.46Y	124.4	0.00	1.63	0.94	0	7	2	96	0.00	0.0	1.589	0.000	7	2	1	1
PL.42331	PL.24290	B	4ACSR	7.46Y	124.4	0.00	1.63	0.00	0	0	0	100	0.00	0.0	1.513	0.006	0	0	0	0
PD.7694	PL.42331	B	fuse6AMP	7.46Y	124.4	0.00	1.63	0.00	0	0	0	100	0.00	0.0	1.513	0.000	0	0	0	0
PL.42332	PD.7694	B	4ACSR	7.46Y	124.4	0.00	1.63	0.00	0	0	0	100	0.00	0.0	1.563	0.050	0	0	0	0
445727	PL.42332	B	Consumer	7.46Y	124.4	0.00	1.63	0.00	0	0	0	100	0.00	0.0	1.563	0.000	0	0	0	0
PL.24291	PL.24290	B	4ACSR	7.46Y	124.3	0.04	1.66	10.65	5	76	24	95	0.02	0.0	1.584	0.077	0	0	0	20
445718	PL.24291	B	Consumer	7.46Y	124.3	0.00	1.66	0.00	0	0	0	100	0.00	0.0	1.584	0.000	0	0	0	0
445728	PL.24291	B	Consumer	7.46Y	124.3	0.00	1.66	0.38	0	3	1	95	0.00	0.0	1.584	0.000	3	1	1	1
445717	PL.24291	B	Consumer	7.46Y	124.3	0.00	1.66	0.39	0	3	1	95	0.00	0.0	1.584	0.000	3	1	1	1
445720	PL.24291	B	Consumer	7.46Y	124.3	0.00	1.66	0.74	0	5	2	93	0.00	0.0	1.584	0.000	5	2	1	1
PL.24287	PL.24291	B	4ACSR	7.46Y	124.3	0.05	1.71	9.14	5	65	20	96	0.02	0.0	1.697	0.113	0	0	0	17
PL.42337	PL.24287	B	4ACSR	7.46Y	124.3	0.00	1.71	1.10	1	8	2	97	0.00	0.0	1.702	0.006	0	0	0	2
PD.7697	PL.42337	B	fuse6AMP	7.46Y	124.3	0.00	1.71	1.10	19	8	2	97	0.00	0.0	1.702	0.000	0	0	0	2
PL.42338	PD.7697	B	4ACSR	7.46Y	124.3	0.00	1.71	1.10	1	8	2	97	0.00	0.0	1.757	0.055	0	0	0	2
PL.21688	PL.42338	B	4ACSR	7.46Y	124.3	0.00	1.71	0.72	0	5	2	93	0.00	0.0	1.798	0.040	0	0	0	1
PL.21689	PL.21688	B	4ACSR	7.46Y	124.3	0.00	1.72	0.72	0	5	2	93	0.00	0.0	1.846	0.048	0	0	0	1
445726	PL.21689	B	Consumer	7.46Y	124.3	0.00	1.72	0.00	0	0	0	100	0.00	0.0	1.846	0.000	0	0	0	0
4457035	PL.21689	B	Consumer	7.46Y	124.3	0.00	1.72	0.72	0	5	2	93	0.00	0.0	1.846	0.000	5	2	1	1
PL.20839	PL.42338	B	4ACSR	7.46Y	124.3	0.00	1.71	0.38	0	3	1	95	0.00	0.0	1.838	0.081	0	0	0	1

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

Unbalanced Voltage Drop Report
Source: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
445724	PL.20839	B	Consumer	7.46Y	124.3	0.00	1.71	0.38	0	3	1	95	0.00	0.0	1.838	0.000	3	1	1	1
PL.19329	PL.24287	B	4ACSR	7.46Y	124.3	0.00	1.71	4.54	2	32	10	95	0.00	0.0	1.721	0.024	0	0	0	10
445702	PL.19329	B	Consumer	7.46Y	124.3	0.00	1.71	0.01	0	0	0	100	0.00	0.0	1.721	0.000	0	0	1	1
445714	PL.19329	B	Consumer	7.46Y	124.3	0.00	1.71	0.60	0	4	1	97	0.00	0.0	1.721	0.000	4	1	1	1
445721	PL.19329	B	Consumer	7.46Y	124.3	0.00	1.71	0.00	0	0	0	100	0.00	0.0	1.721	0.000	0	0	0	0
445711	PL.19329	B	Consumer	7.46Y	124.3	0.00	1.71	0.64	0	5	1	98	0.00	0.0	1.721	0.000	5	1	1	1
PL.42339	PL.19329	B	4ACSR	7.46Y	124.3	0.01	1.73	3.29	2	23	7	96	0.00	0.0	1.818	0.097	0	0	0	7
PD.7700-A	PL.42339	B	Closed	7.46Y	124.3	0.00	1.73	3.29	0	23	7	96	0.00	0.0	1.818	0.000	0	0	0	7
PD.7700-B	PD.7700-A	B	Closed	7.46Y	124.3	0.00	1.73	3.29	0	23	7	96	0.00	0.0	1.818	0.000	0	0	0	7
PL.42340	PD.7700-B	B	4ACSR	7.46Y	124.3	0.00	1.73	3.29	2	23	7	96	0.00	0.0	1.828	0.010	0	0	0	7
445725	PL.42340	B	Consumer	7.46Y	124.3	0.00	1.73	0.00	0	0	0	100	0.00	0.0	1.828	0.000	0	0	1	1
PL.25929	PL.42340	B	4ACSR	7.45Y	124.2	0.02	1.75	3.28	2	23	7	96	0.00	0.0	1.958	0.130	0	0	0	6
PL.25948	PL.25929	B	4ACSR	7.45Y	124.2	0.01	1.76	3.28	2	23	7	96	0.00	0.0	2.048	0.090	0	0	0	6
PL.25949	PL.25948	B	4ACSR	7.45Y	124.2	0.02	1.78	2.13	1	15	5	95	0.00	0.0	2.229	0.180	0	0	0	4
PL.24032	PL.25949	B	4ACSR	7.45Y	124.2	0.00	1.78	0.00	0	0	0	100	0.00	0.0	2.272	0.043	0	0	0	0
PL.24031	PL.24032	B	4ACSR	7.45Y	124.2	0.00	1.78	0.00	0	0	0	100	0.00	0.0	2.340	0.068	0	0	0	0
PL.24030	PL.24031	B	4ACSR	7.45Y	124.2	0.00	1.78	0.00	0	0	0	100	0.00	0.0	2.378	0.039	0	0	0	0
PL.25950	PL.25949	B	4ACSR	7.45Y	124.2	0.00	1.78	2.13	1	15	5	95	0.00	0.0	2.241	0.013	0	0	0	4
PD.1452	PL.25950	B	fuse6AMP	7.45Y	124.2	0.00	1.78	2.13	36	15	5	95	0.00	0.0	2.241	0.000	0	0	0	4
445810	PD.1452	B	Consumer	7.45Y	124.2	0.00	1.78	0.87	0	6	2	95	0.00	0.0	2.241	0.000	6	2	1	1
PL.25951	PD.1452	B	4ACSR	7.45Y	124.2	0.01	1.80	1.27	1	9	3	95	0.00	0.0	2.486	0.245	0	0	0	3
445818	PL.25951	B	Consumer	7.45Y	124.2	0.00	1.80	0.07	0	1	0	100	0.00	0.0	2.486	0.000	1	0	1	1
445814	PL.25951	B	Consumer	7.45Y	124.2	0.00	1.80	0.00	0	0	0	100	0.00	0.0	2.486	0.000	0	0	0	0
445804	PL.25951	B	Consumer	7.45Y	124.2	0.00	1.80	0.30	0	2	1	89	0.00	0.0	2.486	0.000	2	1	1	1
PL.6433	PL.25951	B	4ACSR	7.45Y	124.2	0.00	1.80	0.89	0	6	2	95	0.00	0.0	2.554	0.069	0	0	0	1
445805	PL.6433	B	Consumer	7.45Y	124.2	0.00	1.80	0.89	0	6	2	95	0.00	0.0	2.554	0.000	6	2	1	1
445802	PL.25948	B	Consumer	7.45Y	124.2	0.00	1.76	0.00	0	0	0	100	0.00	0.0	2.048	0.000	0	0	0	0
445803	PL.25948	B	Consumer	7.45Y	124.2	0.00	1.76	0.00	0	0	0	100	0.00	0.0	2.048	0.000	0	0	0	0
PL.24035	PL.25948	B	4ACSR	7.45Y	124.2	0.00	1.76	0.29	0	2	1	89	0.00	0.0	2.165	0.116	0	0	0	1
PL.24019	PL.24035	B	4ACSR	7.45Y	124.2	0.00	1.77	0.29	0	2	1	89	0.00	0.0	2.187	0.022	0	0	0	1
445731	PL.24019	B	Consumer	7.45Y	124.2	0.00	1.77	0.29	0	2	1	89	0.00	0.0	2.187	0.000	2	1	1	1
PL.45709	PL.24019	B	2ACSR	7.45Y	124.2	0.00	1.77	0.00	0	0	0	100	0.00	0.0	2.369	0.183	0	0	0	0
4447033	PL.45709	B	Consumer	7.45Y	124.2	0.00	1.77	0.00	0	0	0	100	0.00	0.0	2.369	0.000	0	0	0	0
PL.24029	PL.25948	B	4ACSR	7.45Y	124.2	0.00	1.77	0.86	0	6	2	95	0.00	0.0	2.100	0.052	0	0	0	1
PL.24024	PL.24029	B	4ACSR	7.45Y	124.2	0.00	1.77	0.86	0	6	2	95	0.00	0.0	2.157	0.057	0	0	0	1
PL.44195	PL.24024	B	2ACSR	7.45Y	124.2	0.00	1.77	0.00	0	0	0	100	0.00	0.0	2.240	0.083	0	0	0	0
4458026	PL.44195	B	Consumer	7.45Y	124.2	0.00	1.77	0.00	0	0	0	100	0.00	0.0	2.240	0.000	0	0	0	0
PL.39672	PL.24024	B	2ACSR	7.45Y	124.2	0.00	1.77	0.86	0	6	2	95	0.00	0.0	2.270	0.113	0	0	0	1

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

Unbalanced Voltage Drop Report
Source: BLEVINS VALLEY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
4458021	PL.39672	B	Consumer	7.45Y	124.2	0.00	1.77	0.86	0	6	2	95	0.00	0.0	2.270	0.000	6	2	1	1
PL.42335	PL.24287	B	4ACSR	7.46Y	124.3	0.00	1.71	2.95	2	21	7	95	0.00	0.0	1.701	0.005	0	0	0	4
PD.7696	PL.42335	B	fuse6AMP	7.46Y	124.3	0.00	1.71	2.95	50	21	7	95	0.00	0.0	1.701	0.000	0	0	0	4
PL.42336	PD.7696	B	4ACSR	7.46Y	124.3	0.02	1.73	2.95	2	21	7	95	0.00	0.0	1.839	0.137	0	0	0	4
PL.23949	PL.42336	B	4ACSR	7.46Y	124.3	0.01	1.74	2.95	2	21	7	95	0.00	0.0	1.921	0.082	0	0	0	4
PL.23948	PL.23949	B	4ACSR	7.45Y	124.2	0.01	1.75	2.95	2	21	7	95	0.00	0.0	2.015	0.094	0	0	0	4
PL.23951	PL.23948	B	4ACSR	7.45Y	124.2	0.01	1.76	1.73	1	12	4	95	0.00	0.0	2.110	0.095	0	0	0	3
445716	PL.23951	B	Consumer	7.45Y	124.2	0.00	1.76	0.19	0	1	0	100	0.00	0.0	2.110	0.000	1	0	1	1
PL.14438	PL.23951	B	4ACSR	7.45Y	124.2	0.02	1.78	1.53	1	11	3	96	0.00	0.0	2.365	0.255	0	0	0	2
PL.23952	PL.14438	B	4ACSR	7.45Y	124.2	0.00	1.78	1.11	1	8	2	97	0.00	0.0	2.439	0.074	0	0	0	1
PL.24017	PL.23952	B	4ACSR	7.45Y	124.2	0.01	1.79	1.11	1	8	2	97	0.00	0.0	2.550	0.112	0	0	0	1
446701	PL.24017	B	Consumer	7.45Y	124.2	0.00	1.79	1.11	0	8	2	97	0.00	0.0	2.550	0.000	8	2	1	1
445715	PL.14438	B	Consumer	7.45Y	124.2	0.00	1.78	0.42	0	3	1	95	0.00	0.0	2.365	0.000	3	1	1	1
445733	PL.23948	B	Consumer	7.45Y	124.2	0.00	1.75	1.22	0	9	3	95	0.00	0.0	2.015	0.000	9	3	1	1
445723	PL.24287	B	Consumer	7.46Y	124.3	0.00	1.71	0.55	0	4	1	97	0.00	0.0	1.697	0.000	4	1	1	1
445719	PL.42326	B	Consumer	7.46Y	124.4	0.00	1.60	0.30	0	2	1	89	0.00	0.0	1.459	0.000	2	1	1	1
445734	PL.42326	B	Consumer	7.46Y	124.4	0.00	1.60	0.00	0	0	0	100	0.00	0.0	1.459	0.000	0	0	0	0
PL.2291	PL.25924	C	4ACSR	7.50Y	125.1	0.00	0.92	0.06	0	0	0	100	0.00	0.0	1.056	0.056	0	0	0	1
444704	PL.2291	C	Consumer	7.50Y	125.1	0.00	0.92	0.06	0	0	0	100	0.00	0.0	1.056	0.000	0	0	1	1
PL.24015	PL.25922	A	1/0CU	7.54Y	125.7	0.00	0.32	0.00	0	0	0	100	0.00	0.0	0.734	0.010	0	0	0	0
		B		7.51Y	125.2	0.00	0.81	0.00	0	0	0	100					0	0	0	0
		C		7.52Y	125.4	0.00	0.62	0.00	0	0	0	100					0	0	0	0
PL.24016	PL.25921	B	4ACSR	7.51Y	125.2	0.00	0.78	1.84	1	13	4	96	0.00	0.0	0.703	0.002	0	0	0	4
PL.2288	PL.24016	B	4ACSR	7.51Y	125.2	0.01	0.79	1.84	1	13	4	96	0.00	0.0	0.835	0.132	0	0	0	4
PL.6864	PL.2288	B	4ACSR	7.51Y	125.2	0.00	0.79	1.20	1	9	3	95	0.00	0.0	0.890	0.055	0	0	0	3
PL.6865	PL.6864	B	4ACSR	7.51Y	125.2	0.01	0.80	1.20	1	9	3	95	0.00	0.0	0.991	0.100	0	0	0	2
444637	PL.6865	B	Consumer	7.51Y	125.2	0.00	0.80	0.34	0	2	1	89	0.00	0.0	0.991	0.000	2	1	1	1
PL.2297	PL.6865	B	4ACSR	7.51Y	125.2	0.00	0.80	0.86	0	6	2	95	0.00	0.0	1.031	0.041	0	0	0	1
444644	PL.2297	B	Consumer	7.51Y	125.2	0.00	0.80	0.86	0	6	2	95	0.00	0.0	1.031	0.000	6	2	1	1
444646	PL.6864	B	Consumer	7.51Y	125.2	0.00	0.79	0.00	0	0	0	100	0.00	0.0	0.890	0.000	0	0	1	1
444715	PL.2288	B	Consumer	7.51Y	125.2	0.00	0.79	0.64	0	5	1	98	0.00	0.0	0.835	0.000	5	1	1	1

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

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	4017	0	0	0	0	0	106	0.00	4123
KVAR	1288	0	-806	-1	0	0	106		587

Lowest Voltage	Highest Accumulated Voltage Drop	Highest Element Voltage Drop
A-Phase -> 121.18 volts on PL.2722	4.82 volts on PL.2722	0.72 volts on PL.11112
B-Phase -> 121.36 volts on PL.1837	4.64 volts on PL.1837	0.72 volts on PL.28136
C-Phase -> 118.45 volts on PL.42748	7.55 volts on PL.42748	0.87 volts on PL.28136

Unbalanced Voltage Drop Report
Source: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
BOWEN		A	BOWEN	7.56Y	126.0	0.00	0.00	140.42	0	1059	68	100	0.00	0.0	0.000	0.000	0	0	0	167
		B		7.56Y	126.0	0.00	0.00	199.68	0	1475	321	98					0	0	0	395
		C		7.56Y	126.0	0.00	0.00	153.06	0	1149	136	99					0	0	0	253
PL.29136	BOWEN	A	397ACSR	7.56Y	126.0	-0.00	-0.00	14.34	2	94	54	87	0.05	0.0	0.028	0.028	0	0	0	33
		B		7.56Y	126.0	0.02	0.02	58.91	7	386	222	87					0	0	0	225
		C		7.56Y	126.0	0.01	0.01	51.23	6	334	196	86					0	0	0	167
PL.32942	PL.29136	A	397ACSR	7.56Y	126.0	-0.00	-0.00	14.34	2	94	54	87	0.01	0.0	0.033	0.005	0	0	0	33
		B		7.56Y	126.0	0.00	0.03	58.91	7	386	222	87					0	0	0	225
		C		7.56Y	126.0	0.00	0.01	51.23	6	334	196	86					0	0	0	167
---------- Feeder No. 3 (BOWEN3) Beginning with Device PD.3932 ----------																				
PD.3932	PL.32942	A	VWVE	7.56Y	126.0	0.00	-0.00	14.34	0	94	54	87	0.00	0.0	0.033	0.000	0	0	0	33
		B		7.56Y	126.0	0.00	0.03	58.91	0	386	222	87					0	0	0	225
		C		7.56Y	126.0	0.00	0.01	51.23	0	334	196	86					0	0	0	167
PL.32943	PD.3932	A	397ACSR	7.56Y	126.0	-0.00	-0.00	14.34	2	94	54	87	0.07	0.0	0.077	0.045	0	0	0	33
		B		7.56Y	125.9	0.04	0.06	58.91	7	386	222	87					0	0	0	225
		C		7.56Y	126.0	0.02	0.03	51.23	6	334	196	86					0	0	0	167
PD.3070-A	PL.32943	A	Closed	7.56Y	126.0	0.00	-0.00	14.34	0	94	54	87	0.00	0.0	0.077	0.000	0	0	0	33
		B		7.56Y	125.9	0.00	0.06	58.91	0	386	221	87					0	0	0	225
		C		7.56Y	126.0	0.00	0.03	51.23	0	334	196	86					0	0	0	167
PD.3070-B	PD.3070-A	A	Closed	7.56Y	126.0	0.00	-0.00	14.34	0	94	54	87	0.00	0.0	0.077	0.000	0	0	0	33
		B		7.56Y	125.9	0.00	0.06	58.91	0	386	221	87					0	0	0	225
		C		7.56Y	126.0	0.00	0.03	51.23	0	334	196	86					0	0	0	167
PL.20727	PD.3070-B	A	397ACSR	7.56Y	126.0	-0.00	-0.01	14.34	2	94	54	87	0.14	0.0	0.164	0.086	0	0	0	33
		B		7.55Y	125.9	0.07	0.13	58.91	7	386	221	87					0	0	0	225
		C		7.56Y	125.9	0.03	0.06	51.23	6	334	196	86					0	0	0	167
083524	PL.20727	B	Consumer	7.55Y	125.9	0.00	0.13	0.04	0	0	0	100	0.00	0.0	0.164	0.000	0	0	1	1
PL.28627	PL.20727	A	397ACSR	7.56Y	126.0	0.00	-0.01	0.00	0	0	0	100	0.00	0.0	0.186	0.023	0	0	0	1
		B		7.55Y	125.9	0.00	0.13	0.00	0	0	0	100					0	0	0	0
		C		7.56Y	125.9	0.00	0.06	0.00	0	0	0	100					0	0	0	0
083531	PL.28627	A	Consumer	7.56Y	126.0	0.00	-0.01	0.00	0	0	0	100	0.00	0.0	0.186	0.000	0	0	1	1
PL.28628	PL.28627	A	397ACSR	7.56Y	126.0	0.00	-0.01	0.00	0	0	0	100	0.00	0.0	0.231	0.044	0	0	0	0
		B		7.55Y	125.9	0.00	0.13	0.00	0	0	0	100					0	0	0	0
		C		7.56Y	125.9	0.00	0.06	0.00	0	0	0	100					0	0	0	0
PD.740-B	PL.28628	A	Open	7.56Y	126.0	0.00	-0.01	0.00	0	0	0	100	0.00	0.0	0.231	0.000	0	0	0	0
		B		7.55Y	125.9	0.00	0.13	0.00	0	0	0	100					0	0	0	0
		C		7.56Y	125.9	0.00	0.06	0.00	0	0	0	100					0	0	0	0
PL.19174	PL.20727	A	397ACSR	7.56Y	126.0	-0.00	-0.01	14.34	2	94	54	87	0.09	0.0	0.217	0.053	0	0	0	32
		B		7.55Y	125.8	0.04	0.17	58.87	7	386	221	87					0	0	0	224
		C		7.56Y	125.9	0.02	0.07	51.23	6	334	196	86					0	0	0	167
083539	PL.19174	B	Consumer	7.55Y	125.8	0.00	0.17	0.14	0	1	1	71	0.00	0.0	0.217	0.000	1	1	1	1
083517	PL.19174	B	Consumer	7.55Y	125.8	0.00	0.17	0.08	0	1	0	100	0.00	0.0	0.217	0.000	1	0	1	1
083522	PL.19174	B	Consumer	7.55Y	125.8	0.00	0.17	0.12	0	1	0	100	0.00	0.0	0.217	0.000	1	0	1	1
PL.19175	PL.19174	A	397ACSR	7.56Y	126.0	-0.00	-0.01	14.34	2	94	54	87	0.06	0.0	0.256	0.039	0	0	0	32
		B		7.55Y	125.8	0.03	0.20	58.52	7	383	220	87					0	0	0	221
		C		7.55Y	125.9	0.01	0.09	51.23	6	334	196	86					0	0	0	167
PL.29815	PL.19175	A	397ACSR	7.56Y	126.0	-0.00	-0.01	14.34	2	94	54	87	0.04	0.0	0.281	0.025	0	0	0	32
		B		7.55Y	125.8	0.02	0.22	58.52	7	383	219	87					0	0	0	221
		C		7.55Y	125.9	0.01	0.09	51.23	6	334	196	86					0	0	0	167
520002	PL.29815	B	Consumer	7.55Y	125.8	0.00	0.22	0.00	0	0	0	100	0.00	0.0	0.281	0.000	0	0	1	1
PL.43531	PL.29815	B	4ACSR	7.55Y	125.8	0.00	0.22	1.51	1	10	6	86	0.00	0.0	0.297	0.016	0	0	0	5
PD.8580	PL.43531	B	fuse6AMP	7.55Y	125.8	0.00	0.22	1.51	26	10	6	86	0.00	0.0	0.297	0.000	0	0	0	5
PL.43532	PD.8580	B	4ACSR	7.55Y	125.8	0.00	0.22	1.51	1	10	6	86	0.00	0.0	0.310	0.013	0	0	0	5

Unbalanced Voltage Drop Report
Source: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.14082	PL.43532	B	4ACSR	7.55Y	125.8	0.00	0.22	1.34	1	9	5	87	0.00	0.0	0.334	0.024	0	0	0	4
PL.19224	PL.14082	B	4ACSR	7.55Y	125.8	0.00	0.23	1.02	1	7	4	87	0.00	0.0	0.381	0.047	0	0	0	3
083516	PL.19224	B	Consumer	7.55Y	125.8	0.00	0.23	0.50	0	3	2	83	0.00	0.0	0.381	0.000	3	2	1	1
083521	PL.19224	B	Consumer	7.55Y	125.8	0.00	0.23	0.13	0	1	0	100	0.00	0.0	0.381	0.000	1	0	1	1
083534	PL.19224	B	Consumer	7.55Y	125.8	0.00	0.23	0.00	0	0	0	100	0.00	0.0	0.381	0.000	0	0	0	0
PL.19225	PL.19224	B	4ACSR	7.55Y	125.8	0.00	0.23	0.39	0	3	1	95	0.00	0.0	0.409	0.027	0	0	0	1
083526	PL.19225	B	Consumer	7.55Y	125.8	0.00	0.23	0.39	0	3	1	95	0.00	0.0	0.409	0.000	3	1	1	1
PL.5211	PL.14082	B	4ACSR	7.55Y	125.8	0.00	0.23	0.32	0	2	1	89	0.00	0.0	0.374	0.040	0	0	0	1
083502	PL.5211	B	Consumer	7.55Y	125.8	0.00	0.23	0.32	0	2	1	89	0.00	0.0	0.374	0.000	2	1	1	1
PL.3491	PL.43532	B	4ACSR	7.55Y	125.8	0.00	0.22	0.17	0	1	1	71	0.00	0.0	0.357	0.046	0	0	0	1
PL.3492	PL.3491	B	4ACSR	7.55Y	125.8	0.00	0.22	0.17	0	1	1	71	0.00	0.0	0.396	0.039	0	0	0	1
520001	PL.3492	B	Consumer	7.55Y	125.8	0.00	0.22	0.17	0	1	1	71	0.00	0.0	0.396	0.000	1	1	1	1
PL.14081	PL.29815	A	397ACSR	7.56Y	126.0	-0.01	-0.02	14.34	2	94	54	87	0.19	0.0	0.402	0.121	0	0	0	32
		B		7.54Y	125.7	0.09	0.31	57.01	7	373	214	87					0	0	0	215
		C		7.55Y	125.9	0.04	0.14	51.23	6	334	196	86					0	0	0	167
PL.7221	PL.14081	A	397ACSR	7.56Y	126.0	-0.01	-0.03	13.25	2	87	50	87	0.13	0.0	0.481	0.080	0	0	0	30
		B		7.54Y	125.6	0.06	0.37	56.74	7	371	212	87					0	0	0	212
		C		7.55Y	125.8	0.03	0.16	51.23	6	334	195	86					0	0	0	167
PL.19445	PL.7221	A	397ACSR	7.56Y	126.0	-0.01	-0.03	13.25	2	87	50	87	0.14	0.0	0.569	0.087	0	0	0	30
		B		7.53Y	125.6	0.07	0.44	56.74	7	371	212	87					0	0	0	212
		C		7.55Y	125.8	0.03	0.19	50.53	6	329	193	86					0	0	0	166
PL.19446	PL.19445	A	397ACSR	7.56Y	126.0	-0.00	-0.04	13.25	2	87	50	87	0.09	0.0	0.625	0.056	0	0	0	30
		B		7.53Y	125.5	0.04	0.48	56.06	7	367	209	87					0	0	0	209
		C		7.55Y	125.8	0.02	0.21	50.53	6	329	192	86					0	0	0	166
527001	PL.19446	B	Consumer	7.53Y	125.5	0.00	0.48	0.42	0	3	2	83	0.00	0.0	0.625	0.000	3	2	1	1
PL.7222	PL.19446	A	397ACSR	7.56Y	126.0	-0.01	-0.05	13.25	2	87	50	87	0.21	0.0	0.759	0.135	0	0	0	30
		B		7.52Y	125.4	0.10	0.58	55.65	7	364	208	87					0	0	0	208
		C		7.54Y	125.7	0.05	0.26	50.53	6	329	192	86					0	0	0	166
PL.19154	PL.7222	A	397ACSR	7.56Y	126.0	-0.00	-0.05	13.25	2	87	50	87	0.05	0.0	0.794	0.035	0	0	0	30
		B		7.52Y	125.4	0.03	0.61	54.25	7	355	202	87					0	0	0	205
		C		7.54Y	125.7	0.01	0.27	50.53	6	329	192	86					0	0	0	166
525002	PL.19154	B	Consumer	7.52Y	125.4	0.00	0.61	0.00	0	0	0	100	0.00	0.0	0.794	0.000	0	0	0	0
5250003	PL.19154	B	Consumer	7.52Y	125.4	0.00	0.61	0.00	0	0	0	100	0.00	0.0	0.794	0.000	0	0	0	0
PL.19155	PL.19154	A	397ACSR	7.56Y	126.1	-0.01	-0.05	13.25	2	87	50	87	0.13	0.0	0.882	0.088	0	0	0	30
		B		7.52Y	125.3	0.06	0.67	54.25	7	355	202	87					0	0	0	205
		C		7.54Y	125.7	0.03	0.30	50.53	6	329	192	86					0	0	0	166
PL.6954	PL.19155	A	397ACSR	7.56Y	126.1	-0.01	-0.06	12.67	2	83	48	87	0.13	0.0	0.974	0.092	0	0	0	29
		B		7.52Y	125.3	0.07	0.74	53.02	7	346	197	87					0	0	0	203
		C		7.54Y	125.7	0.03	0.34	50.53	6	329	192	86					0	0	0	166
PL.7223	PL.6954	A	397ACSR	7.56Y	126.1	-0.00	-0.07	12.67	2	83	48	87	0.07	0.0	1.023	0.049	0	0	0	29
		B		7.51Y	125.2	0.04	0.78	52.89	6	345	197	87					0	0	0	201
		C		7.54Y	125.6	0.02	0.35	50.01	6	326	190	86					0	0	0	165
PL.6964	PL.7223	A	397ACSR	7.56Y	126.1	-0.00	-0.07	12.67	2	83	48	87	0.09	0.0	1.087	0.064	0	0	0	29
		B		7.51Y	125.2	0.05	0.82	52.88	6	345	197	87					0	0	0	200
		C		7.54Y	125.6	0.02	0.38	49.27	6	321	187	86					0	0	0	160
PL.6965	PL.6964	A	397ACSR	7.56Y	126.1	-0.00	-0.07	12.67	2	83	48	87	0.06	0.0	1.128	0.041	0	0	0	29
		B		7.51Y	125.2	0.03	0.85	51.98	6	339	193	87					0	0	0	198
		C		7.54Y	125.6	0.01	0.39	48.70	6	317	185	86					0	0	0	158

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: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.26780	PL.6965	A	397ACSR	7.56Y	126.1	-0.00	-0.07	4.94	1	32	19	86	0.01	0.0	1.139	0.011	0	0	0	18
		B		7.51Y	125.1	0.01	0.86	40.76	5	266	150	87					0	0	0	170
		C		7.54Y	125.6	0.00	0.39	22.80	3	149	86	86					0	0	0	90
PL.26781	PL.26780	A	397ACSR	7.56Y	126.1	-0.00	-0.08	4.94	1	32	19	86	0.08	0.0	1.265	0.126	0	0	0	18
		B		7.50Y	125.1	0.07	0.93	40.76	5	266	150	87					0	0	0	170
		C		7.54Y	125.6	0.01	0.40	22.80	3	149	86	86					0	0	0	90
PD.183-A	PL.26781	A	Closed	7.56Y	126.1	0.00	-0.08	4.94	0	32	19	86	0.00	0.0	1.265	0.000	0	0	0	18
		B		7.50Y	125.1	0.00	0.93	40.76	0	266	150	87					0	0	0	170
		C		7.54Y	125.6	0.00	0.40	22.80	0	149	86	86					0	0	0	90
PD.183-B	PD.183-A	A	Closed	7.56Y	126.1	0.00	-0.08	4.94	0	32	19	86	0.00	0.0	1.265	0.000	0	0	0	18
		B		7.50Y	125.1	0.00	0.93	40.76	0	266	150	87					0	0	0	170
		C		7.54Y	125.6	0.00	0.40	22.80	0	149	86	86					0	0	0	90
PL.26782	PD.183-B	A	397ACSR	7.56Y	126.1	-0.00	-0.08	4.94	1	32	19	86	0.02	0.0	1.297	0.032	0	0	0	18
		B		7.50Y	125.1	0.02	0.94	40.76	5	266	150	87					0	0	0	170
		C		7.54Y	125.6	0.00	0.40	22.80	3	149	86	86					0	0	0	90
PL.402	PL.26782	A	397ACSR	7.56Y	126.1	-0.01	-0.08	4.94	1	32	19	86	0.18	0.0	1.585	0.288	0	0	0	18
		B		7.49Y	124.9	0.16	1.10	40.76	5	266	150	87					0	0	0	170
		C		7.54Y	125.6	0.01	0.41	22.80	3	149	86	86					0	0	0	90
PL.19141	PL.402	A	336ACSR	7.57Y	126.1	-0.01	-0.09	4.94	1	32	19	86	0.04	0.0	1.765	0.180	0	0	0	18
		B		7.49Y	124.9	0.04	1.14	15.49	2	101	58	87					0	0	0	62
		C		7.53Y	125.5	0.04	0.45	22.80	3	149	86	86					0	0	0	90
PL.19142	PL.19141	A	336ACSR	7.57Y	126.1	-0.00	-0.10	4.94	1	32	19	86	0.01	0.0	1.809	0.044	0	0	0	18
		B		7.49Y	124.8	0.01	1.15	14.84	2	96	56	87					0	0	0	61
		C		7.53Y	125.5	0.01	0.47	22.80	3	149	86	86					0	0	0	90
PL.7638	PL.19142	A	336ACSR	7.57Y	126.1	-0.01	-0.10	4.94	1	32	19	86	0.03	0.0	1.951	0.141	0	0	0	18
		B		7.49Y	124.8	0.03	1.18	14.84	2	96	56	87					0	0	0	60
		C		7.53Y	125.5	0.03	0.50	22.80	3	149	86	86					0	0	0	90
082417	PL.7638	A	Consumer	7.57Y	126.1	0.00	-0.10	0.86	0	6	3	89	0.00	0.0	1.951	0.000	6	3	1	1
PL.14570	PL.7638	A	336ACSR	7.57Y	126.1	-0.01	-0.11	4.07	1	27	15	87	0.02	0.0	2.035	0.085	0	0	0	17
		B		7.49Y	124.8	0.02	1.20	14.84	2	96	56	87					0	0	0	60
		C		7.53Y	125.5	0.02	0.52	22.80	3	149	86	87					0	0	0	90
PL.39251	PL.14570	C	4ACSR	7.53Y	125.5	0.00	0.52	0.91	0	6	3	89	0.00	0.0	2.050	0.015	0	0	0	2
PD.6890	PL.39251	C	fuse6AMP	7.53Y	125.5	0.00	0.52	0.91	16	6	3	89	0.00	0.0	2.050	0.000	0	0	0	2
PL.39252	PD.6890	C	4ACSR	7.53Y	125.5	0.00	0.52	0.91	0	6	3	89	0.00	0.0	2.082	0.032	0	0	0	2
PL.5196	PL.39252	C	4ACSR	7.53Y	125.5	0.00	0.52	0.13	0	1	0	100	0.00	0.0	2.176	0.094	0	0	0	1
082409	PL.5196	C	Consumer	7.53Y	125.5	0.00	0.52	0.13	0	1	0	100	0.00	0.0	2.176	0.000	1	0	1	1
082408	PL.39252	C	Consumer	7.53Y	125.5	0.00	0.52	0.00	0	0	0	100	0.00	0.0	2.082	0.000	0	0	0	0
0824020	PL.39252	C	Consumer	7.53Y	125.5	0.00	0.52	0.79	0	5	3	86	0.00	0.0	2.082	0.000	5	3	1	1
PL.14571	PL.14570	A	336ACSR	7.57Y	126.1	-0.02	-0.13	4.07	1	27	15	87	0.07	0.0	2.336	0.301	0	0	0	17
		B		7.48Y	124.7	0.07	1.27	14.84	2	96	56	87					0	0	0	60
		C		7.52Y	125.4	0.07	0.59	21.89	3	143	83	87					0	0	0	88
PL.19385	PL.14571	A	1/0CU	7.57Y	126.1	0.00	-0.13	3.70	1	24	14	86	0.00	0.0	2.341	0.005	0	0	0	14
		B		7.48Y	124.7	-0.00	1.27	0.24	0	2	1	87					0	0	0	2
		C		7.52Y	125.4	0.00	0.59	10.34	2	67	39	87					0	0	0	47
PD.574-A	PL.19385	A	Closed	7.57Y	126.1	0.00	-0.13	3.70	0	24	14	86	0.00	0.0	2.341	0.000	0	0	0	14
		B		7.48Y	124.7	0.00	1.27	0.24	0	2	1	87					0	0	0	2
		C		7.52Y	125.4	0.00	0.59	10.34	0	67	39	87					0	0	0	47
PD.574-B	PD.574-A	A	Closed	7.57Y	126.1	0.00	-0.13	3.70	0	24	14	86	0.00	0.0	2.341	0.000	0	0	0	14
		B		7.48Y	124.7	0.00	1.27	0.24	0	2	1	87					0	0	0	2
		C		7.52Y	125.4	0.00	0.59	10.34	0	67	39	87					0	0	0	47
PL.19386	PD.574-B	A	1/0CU	7.57Y	126.1	-0.00	-0.13	3.70	1	24	14	86	0.02	0.0	2.621	0.280	0	0	0	14
		B		7.48Y	124.7	-0.00	1.27	0.24	0	2	1	87					0	0	0	2
		C		7.52Y	125.4	0.06	0.65	10.34	2	67	39	87					0	0	0	47

Unbalanced Voltage Drop Report
Source: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.14225	PL.19386	A	1/0CU	7.57Y	126.1	0.00	-0.13	3.70	1	24	14	86	0.02	0.0	2.842	0.221	0	0	0	14
		B		7.48Y	124.7	-0.00	1.26	0.24	0	2	1	87					0	0	0	2
		C		7.52Y	125.3	0.05	0.69	9.87	2	64	37	87					0	0	0	45
082406	PL.14225	B	Consumer	7.48Y	124.7	0.00	1.26	0.24	0	2	1	89	0.00	0.0	2.842	0.000	2	1	1	1
PL.7636	PL.14225	A	1/0CU	7.57Y	126.1	0.00	-0.13	3.70	1	24	14	86	0.02	0.0	3.088	0.246	0	0	0	14
		B		7.48Y	124.7	-0.00	1.26	0.00	0	0	0	100					0	0	0	1
		C		7.52Y	125.3	0.05	0.75	9.87	2	64	37	87					0	0	0	45
PL.14568	PL.7636	A	1/0CU	7.57Y	126.1	0.00	-0.13	3.70	1	24	14	86	0.01	0.0	3.223	0.135	0	0	0	14
		B		7.48Y	124.7	-0.00	1.26	0.00	0	0	0	100					0	0	0	1
		C		7.51Y	125.2	0.03	0.77	9.87	2	64	37	87					0	0	0	45
PL.26404	PL.14568	C	4ACSR	7.51Y	125.2	0.00	0.78	0.27	0	2	1	89	0.00	0.0	3.244	0.020	0	0	0	1
PD.1168	PL.26404	C	fuse6AMP	7.51Y	125.2	0.00	0.78	0.27	5	2	1	89	0.00	0.0	3.244	0.000	0	0	0	1
PL.26405	PD.1168	C	4ACSR	7.51Y	125.2	0.00	0.78	0.27	0	2	1	89	0.00	0.0	3.291	0.048	0	0	0	1
082315	PL.26405	C	Consumer	7.51Y	125.2	0.00	0.78	0.27	0	2	1	89	0.00	0.0	3.291	0.000	2	1	1	1
PL.44171	PL.14568	A	1/0CU	7.57Y	126.1	0.00	-0.13	3.70	1	24	14	86	0.01	0.0	3.345	0.122	0	0	0	14
		B		7.48Y	124.7	-0.00	1.25	0.00	0	0	0	100					0	0	0	1
		C		7.51Y	125.2	0.02	0.80	9.60	2	63	36	87					0	0	0	44
PL.44173	PL.44171	C	2ACSR	7.51Y	125.2	0.00	0.80	0.00	0	0	0	100	0.00	0.0	3.350	0.005	0	0	0	0
PD.8353	PL.44173	C	fuse6AMP	7.51Y	125.2	0.00	0.80	0.00	0	0	0	100	0.00	0.0	3.350	0.000	0	0	0	0
PL.44174	PD.8353	C	2ACSR	7.51Y	125.2	0.00	0.80	0.00	0	0	0	100	0.00	0.0	3.389	0.039	0	0	0	0
0823037	PL.44174	C	Consumer	7.51Y	125.2	0.00	0.80	0.00	0	0	0	100	0.00	0.0	3.389	0.000	0	0	0	0
PL.44172	PL.44171	A	1/0CU	7.57Y	126.1	0.00	-0.13	3.70	1	24	14	86	0.00	0.0	3.405	0.059	0	0	0	14
		B		7.48Y	124.7	-0.00	1.25	0.00	0	0	0	100					0	0	0	1
		C		7.51Y	125.2	0.01	0.81	9.60	2	62	36	87					0	0	0	44
PL.16344	PL.44172	C	4ACSR	7.51Y	125.2	0.00	0.82	7.60	4	49	29	86	0.00	0.0	3.415	0.010	0	0	0	33
PD.572-A	PL.16344	C	Closed	7.51Y	125.2	0.00	0.82	7.60	0	49	29	86	0.00	0.0	3.415	0.000	0	0	0	33
PD.572-B	PD.572-A	C	Closed	7.51Y	125.2	0.00	0.82	7.60	0	49	29	86	0.00	0.0	3.415	0.000	0	0	0	33
PL.16345	PD.572-B	C	4ACSR	7.51Y	125.1	0.05	0.86	7.60	4	49	29	86	0.02	0.0	3.549	0.134	0	0	0	33
PL.18961	PL.16345	C	4ACSR	7.51Y	125.1	0.00	0.86	0.92	0	6	3	89	0.00	0.0	3.554	0.006	0	0	0	1
PL.18962	PL.18961	C	4ACSR	7.51Y	125.1	0.00	0.86	0.92	0	6	3	89	0.00	0.0	3.565	0.011	0	0	0	1
PD.1169	PL.18962	C	fuse6AMP	7.51Y	125.1	0.00	0.86	0.92	16	6	3	89	0.00	0.0	3.565	0.000	0	0	0	1
PL.16343	PD.1169	C	4ACSR	7.51Y	125.1	0.00	0.87	0.92	0	6	3	89	0.00	0.0	3.651	0.086	0	0	0	1
082317	PL.16343	C	Consumer	7.51Y	125.1	0.00	0.87	0.00	0	0	0	100	0.00	0.0	3.651	0.000	0	0	0	0
082321	PL.16343	C	Consumer	7.51Y	125.1	0.00	0.87	0.92	0	6	3	89	0.00	0.0	3.651	0.000	6	3	1	1
PL.18963	PL.16345	C	4ACSR	7.51Y	125.1	0.02	0.88	6.68	3	43	25	86	0.01	0.0	3.597	0.048	0	0	0	32
PD.3446	PL.18963	C	50V4E	7.51Y	125.1	0.00	0.88	6.68	13	43	25	86	0.00	0.0	3.597	0.000	0	0	0	32
PL.18964	PD.3446	C	4ACSR	7.50Y	125.1	0.04	0.92	6.68	3	43	25	86	0.01	0.0	3.732	0.134	0	0	0	32
PL.45964	PL.18964	C	4ACSR	7.50Y	125.1	0.02	0.94	5.90	3	38	22	87	0.01	0.0	3.817	0.086	0	0	0	30
0823038	PL.45964	C	Consumer	7.50Y	125.1	0.00	0.94	0.00	0	0	0	100	0.00	0.0	3.817	0.000	0	0	0	0
PL.45965	PL.45964	C	4ACSR	7.50Y	125.0	0.04	0.98	5.90	3	38	22	87	0.01	0.0	3.966	0.149	0	0	0	30
PL.26408	PL.45965	C	4ACSR	7.50Y	125.0	0.00	0.99	1.30	1	8	5	85	0.00	0.0	3.985	0.019	0	0	0	3
PD.820	PL.26408	C	fuse6AMP	7.50Y	125.0	0.00	0.99	1.30	22	8	5	85	0.00	0.0	3.985	0.000	0	0	0	3
PL.26409	PD.820	C	4ACSR	7.50Y	125.0	0.01	0.99	1.30	1	8	5	85	0.00	0.0	4.077	0.091	0	0	0	3

Unbalanced Voltage Drop Report
Source: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.24488	PL.26409	C	4ACSR	7.50Y	125.0	0.00	0.99	0.47	0	3	2	83	0.00	0.0	4.152	0.075	0	0	0	1
082326	PL.24488	C	Consumer	7.50Y	125.0	0.00	0.99	0.47	0	3	2	83	0.00	0.0	4.152	0.000	3	2	1	1
082305	PL.26409	C	Consumer	7.50Y	125.0	0.00	0.99	0.28	0	2	1	89	0.00	0.0	4.077	0.000	2	1	1	1
082330	PL.26409	C	Consumer	7.50Y	125.0	0.00	0.99	0.55	0	4	2	89	0.00	0.0	4.077	0.000	4	2	1	1
PL.14229	PL.45965	C	4ACSR	7.50Y	125.0	0.02	1.01	4.59	2	30	17	87	0.01	0.0	4.081	0.116	0	0	0	27
PL.8317	PL.14229	C	4ACSR	7.50Y	125.0	0.04	1.04	4.40	2	29	17	86	0.01	0.0	4.257	0.176	0	0	0	26
082322	PL.8317	C	Consumer	7.50Y	125.0	0.00	1.04	0.20	0	1	1	71	0.00	0.0	4.257	0.000	1	1	1	1
082304	PL.8317	C	Consumer	7.50Y	125.0	0.00	1.04	0.11	0	1	0	100	0.00	0.0	4.257	0.000	1	0	1	1
PL.14230	PL.8317	C	4ACSR	7.50Y	124.9	0.01	1.05	4.10	2	27	15	87	0.00	0.0	4.290	0.033	0	0	0	24
PL.14726	PL.14230	C	4ACSR	7.50Y	124.9	0.01	1.06	3.93	2	26	15	87	0.00	0.0	4.338	0.048	0	0	0	23
PL.17647	PL.14726	C	4ACSR	7.50Y	124.9	0.00	1.06	0.26	0	2	1	89	0.00	0.0	4.357	0.019	0	0	0	1
PD.821	PL.17647	C	fuse6AMP	7.50Y	124.9	0.00	1.06	0.26	4	2	1	89	0.00	0.0	4.357	0.000	0	0	0	1
PL.17648	PD.821	C	4ACSR	7.50Y	124.9	0.00	1.06	0.26	0	2	1	89	0.00	0.0	4.438	0.081	0	0	0	1
082318	PL.17648	C	Consumer	7.50Y	124.9	0.00	1.06	0.26	0	2	1	89	0.00	0.0	4.438	0.000	2	1	1	1
PL.17442	PL.14726	C	4ACSR	7.50Y	124.9	0.01	1.07	3.51	2	23	13	87	0.00	0.0	4.388	0.050	0	0	0	20
PL.32696	PL.17442	C	4ACSR	7.50Y	124.9	0.01	1.07	3.35	2	22	13	86	0.00	0.0	4.422	0.033	0	0	0	18
PL.32697	PL.32696	C	4ACSR	7.50Y	124.9	0.01	1.08	3.35	2	22	13	86	0.00	0.0	4.462	0.040	0	0	0	18
PL.15360	PL.32697	C	4ACSR	7.50Y	124.9	0.00	1.08	3.35	2	22	13	86	0.00	0.0	4.462	0.000	0	0	0	18
PL.32701	PL.15360	C	4ACSR	7.49Y	124.9	0.01	1.09	3.10	2	20	12	86	0.00	0.0	4.505	0.043	0	0	0	16
PL.32703	PL.32701	C	4ACSR	7.49Y	124.9	0.00	1.09	1.65	1	11	6	88	0.00	0.0	4.559	0.054	0	0	0	5
PL.32704	PL.32703	C	4ACSR	7.49Y	124.9	0.00	1.09	1.07	1	7	4	87	0.00	0.0	4.589	0.030	0	0	0	4
0823032	PL.32704	C	Consumer	7.49Y	124.9	0.00	1.09	0.65	0	4	2	89	0.00	0.0	4.589	0.000	4	2	1	1
PL.34636	PL.32704	C	2ACSR	7.49Y	124.9	0.00	1.09	0.42	0	3	2	83	0.00	0.0	4.611	0.021	0	0	0	3
PL.34637	PL.34636	C	2ACSR	7.49Y	124.9	0.00	1.09	0.02	0	0	0	100	0.00	0.0	4.807	0.197	0	0	0	2
PL.34821	PL.34637	C	2ACSR	7.49Y	124.9	0.00	1.09	0.00	0	0	0	100	0.00	0.0	4.846	0.039	0	0	0	1
PL.40784	PL.34821	C	2ACSR	7.49Y	124.9	0.00	1.09	0.00	0	0	0	100	0.00	0.0	4.907	0.061	0	0	0	1
0823036	PL.40784	C	Consumer	7.49Y	124.9	0.00	1.09	0.00	0	0	0	100	0.00	0.0	4.907	0.000	0	0	1	1
PL.34819	PL.34637	C	2ACSR	7.49Y	124.9	0.00	1.09	0.02	0	0	0	100	0.00	0.0	4.849	0.041	0	0	0	1
0823034	PL.34819	C	Consumer	7.49Y	124.9	0.00	1.09	0.02	0	0	0	100	0.00	0.0	4.849	0.000	0	0	1	1
PL.34635	PL.34636	C	2ACSR	7.49Y	124.9	0.00	1.09	0.40	0	3	1	95	0.00	0.0	4.620	0.009	0	0	0	1
0823035	PL.34635	C	Consumer	7.49Y	124.9	0.00	1.09	0.40	0	3	1	95	0.00	0.0	4.620	0.000	3	1	1	1
0823033	PL.32703	C	Consumer	7.49Y	124.9	0.00	1.09	0.58	0	4	2	89	0.00	0.0	4.559	0.000	4	2	1	1
PL.32702	PL.32701	C	4ACSR	7.49Y	124.9	0.00	1.09	1.45	1	9	5	87	0.00	0.0	4.534	0.028	0	0	0	11
082325	PL.32702	C	Consumer	7.49Y	124.9	0.00	1.09	0.01	0	0	0	100	0.00	0.0	4.534	0.000	0	0	1	1
PL.19362	PL.32702	C	4ACSR	7.49Y	124.9	0.01	1.10	1.44	1	9	5	87	0.00	0.0	4.706	0.173	0	0	0	10
PL.14231	PL.19362	C	4ACSR	7.49Y	124.9	0.00	1.10	1.35	1	9	5	87	0.00	0.0	4.750	0.043	0	0	0	9
PL.18285	PL.14231	C	4ACSR	7.49Y	124.9	0.00	1.10	0.22	0	1	1	71	0.00	0.0	4.770	0.020	0	0	0	3
PD.823	PL.18285	C	fuse6AMP	7.49Y	124.9	0.00	1.10	0.22	4	1	1	71	0.00	0.0	4.770	0.000	0	0	0	3

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: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.18286	PD.823	C	4ACSR	7.49Y	124.9	0.00	1.10	0.22	0	1	1	71	0.00	0.0	4.821	0.051	0	0	0	3
081304	PL.18286	C	Consumer	7.49Y	124.9	0.00	1.10	0.10	0	1	0	100	0.00	0.0	4.821	0.000	1	0	1	1
081311	PL.18286	C	Consumer	7.49Y	124.9	0.00	1.10	0.00	0	0	0	100	0.00	0.0	4.821	0.000	0	0	1	1
081309	PL.18286	C	Consumer	7.49Y	124.9	0.00	1.10	0.12	0	1	0	100	0.00	0.0	4.821	0.000	1	0	1	1
PL.18512	PL.14231	C	4ACSR	7.49Y	124.9	0.00	1.11	1.14	1	7	4	87	0.00	0.0	4.834	0.084	0	0	0	6
PD.824	PL.18512	C	fuse6AMP	7.49Y	124.9	0.00	1.11	1.14	19	7	4	87	0.00	0.0	4.834	0.000	0	0	0	6
PL.18523	PD.824	C	4ACSR	7.49Y	124.9	0.00	1.11	1.14	1	7	4	87	0.00	0.0	4.844	0.010	0	0	0	6
PL.18510	PL.18523	C	4ACSR	7.49Y	124.9	0.00	1.11	0.00	0	0	0	100	0.00	0.0	4.852	0.009	0	0	0	0
PD.825	PL.18510	C	fuse6AMP	7.49Y	124.9	0.00	1.11	0.00	0	0	0	100	0.00	0.0	4.852	0.000	0	0	0	0
PL.18511	PD.825	C	4ACSR	7.49Y	124.9	0.00	1.11	0.00	0	0	0	100	0.00	0.0	5.219	0.367	0	0	0	0
PL.18509	PD.825	C	4ACSR	7.49Y	124.9	0.00	1.11	0.00	0	0	0	100	0.00	0.0	5.219	0.367	0	0	0	0
PL.24237	PL.18523	C	4ACSR	7.49Y	124.9	0.00	1.11	0.44	0	3	2	83	0.00	0.0	4.912	0.068	0	0	0	2
081306	PL.24237	C	Consumer	7.49Y	124.9	0.00	1.11	0.31	0	2	1	89	0.00	0.0	4.912	0.000	2	1	1	1
081308	PL.24237	C	Consumer	7.49Y	124.9	0.00	1.11	0.13	0	1	0	100	0.00	0.0	4.912	0.000	1	0	1	1
PL.14724	PL.18523	C	4ACSR	7.49Y	124.9	0.00	1.11	0.06	0	0	0	100	0.00	0.0	4.922	0.078	0	0	0	1
PL.14725	PL.14724	C	4ACSR	7.49Y	124.9	0.00	1.11	0.00	0	0	0	100	0.00	0.0	5.013	0.091	0	0	0	0
081305	PL.14724	C	Consumer	7.49Y	124.9	0.00	1.11	0.06	0	0	0	100	0.00	0.0	4.922	0.000	0	0	1	1
PL.14566	PL.18523	C	4ACSR	7.49Y	124.9	0.00	1.11	0.64	0	4	2	89	0.00	0.0	4.903	0.059	0	0	0	3
PL.14567	PL.14566	C	4ACSR	7.49Y	124.9	0.00	1.11	0.31	0	2	1	89	0.00	0.0	4.937	0.034	0	0	0	1
081310	PL.14567	C	Consumer	7.49Y	124.9	0.00	1.11	0.00	0	0	0	100	0.00	0.0	4.937	0.000	0	0	0	0
081301	PL.14567	C	Consumer	7.49Y	124.9	0.00	1.11	0.31	0	2	1	89	0.00	0.0	4.937	0.000	2	1	1	1
PL.8319	PL.14567	C	4ACSR	7.49Y	124.9	0.00	1.11	0.00	0	0	0	100	0.00	0.0	4.937	0.000	0	0	0	0
PL.29589	PL.14566	C	4ACSR	7.49Y	124.9	0.00	1.11	0.33	0	2	1	89	0.00	0.0	4.977	0.074	0	0	0	2
081312	PL.29589	C	Consumer	7.49Y	124.9	0.00	1.11	0.28	0	2	1	89	0.00	0.0	4.977	0.000	2	1	1	1
081313	PL.29589	C	Consumer	7.49Y	124.9	0.00	1.11	0.05	0	0	0	100	0.00	0.0	4.977	0.000	0	0	1	1
081307	PL.19362	C	Consumer	7.49Y	124.9	0.00	1.10	0.09	0	1	0	100	0.00	0.0	4.706	0.000	1	0	1	1
082302	PL.15360	C	Consumer	7.50Y	124.9	0.00	1.08	0.08	0	1	0	100	0.00	0.0	4.462	0.000	1	0	1	1
PL.18287	PL.15360	C	4ACSR	7.50Y	124.9	0.00	1.08	0.17	0	1	1	71	0.00	0.0	4.485	0.023	0	0	0	1
PD.822	PL.18287	C	fuse6AMP	7.50Y	124.9	0.00	1.08	0.17	3	1	1	71	0.00	0.0	4.485	0.000	0	0	0	1
PL.18288	PD.822	C	4ACSR	7.50Y	124.9	0.00	1.08	0.17	0	1	1	71	0.00	0.0	4.572	0.087	0	0	0	1
082301	PL.18288	C	Consumer	7.50Y	124.9	0.00	1.08	0.17	0	1	1	71	0.00	0.0	4.572	0.000	1	1	1	1
082319	PL.17442	C	Consumer	7.50Y	124.9	0.00	1.07	0.13	0	1	0	100	0.00	0.0	4.388	0.000	1	0	1	1
082323	PL.17442	C	Consumer	7.50Y	124.9	0.00	1.07	0.03	0	0	0	100	0.00	0.0	4.388	0.000	0	0	1	1
082331	PL.14726	C	Consumer	7.50Y	124.9	0.00	1.06	0.00	0	0	0	100	0.00	0.0	4.338	0.000	0	0	1	1
082303	PL.14726	C	Consumer	7.50Y	124.9	0.00	1.06	0.17	0	1	1	71	0.00	0.0	4.338	0.000	1	1	1	1
PL.24238	PL.14230	C	4ACSR	7.50Y	124.9	0.00	1.05	0.16	0	1	1	71	0.00	0.0	4.345	0.055	0	0	0	1
082329	PL.24238	C	Consumer	7.50Y	124.9	0.00	1.05	0.16	0	1	1	71	0.00	0.0	4.345	0.000	1	1	1	1
082314	PL.14229	C	Consumer	7.50Y	125.0	0.00	1.01	0.19	0	1	1	71	0.00	0.0	4.081	0.000	1	1	1	1

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

Unbalanced Voltage Drop Report
Source: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.26406	PL.18964	C	4ACSR	7.50Y	125.1	0.00	0.92	0.79	0	5	3	86	0.00	0.0	3.750	0.019	0	0	0	2
PD.1170	PL.26406	C	fuse6AMP	7.50Y	125.1	0.00	0.92	0.79	13	5	3	86	0.00	0.0	3.750	0.000	0	0	0	2
PL.26407	PD.1170	C	4ACSR	7.50Y	125.1	0.00	0.92	0.79	0	5	3	86	0.00	0.0	3.793	0.043	0	0	0	2
082327	PL.26407	C	Consumer	7.50Y	125.1	0.00	0.92	0.00	0	0	0	100	0.00	0.0	3.793	0.000	0	0	0	0
082316	PL.26407	C	Consumer	7.50Y	125.1	0.00	0.92	0.00	0	0	0	100	0.00	0.0	3.793	0.000	0	0	0	0
082328	PL.26407	C	Consumer	7.50Y	125.1	0.00	0.92	0.76	0	5	3	86	0.00	0.0	3.793	0.000	5	3	1	1
082324	PL.26407	C	Consumer	7.50Y	125.1	0.00	0.92	0.03	0	0	0	100	0.00	0.0	3.793	0.000	0	0	1	1
PL.14227	PL.44172	A	1/0CU	7.57Y	126.1	0.01	-0.12	3.70	1	24	14	86	0.00	0.0	3.541	0.137	0	0	0	14
		B		7.49Y	124.8	-0.00	1.25	0.00	0	0	0	100					0	0	0	1
		C		7.51Y	125.2	0.01	0.82	2.00	0	13	7	87					0	0	0	11
PL.21873	PL.14227	A	1/0CU	7.57Y	126.1	0.03	-0.09	3.70	1	24	14	86	0.01	0.0	3.980	0.439	0	0	0	14
		B		7.49Y	124.8	-0.01	1.24	0.00	0	0	0	100					0	0	0	0
		C		7.51Y	125.2	0.02	0.84	2.00	0	13	7	87					0	0	0	11
PD.2752-A	PL.21873	A	Closed	7.57Y	126.1	0.00	-0.09	3.70	0	24	14	86	0.00	0.0	3.980	0.000	0	0	0	14
		B		7.49Y	124.8	0.00	1.24	0.00	0	0	0	100					0	0	0	0
		C		7.51Y	125.2	0.00	0.84	2.00	0	13	7	87					0	0	0	11
PD.2752-B	PD.2752-A	A	Closed	7.57Y	126.1	0.00	-0.09	3.70	0	24	14	86	0.00	0.0	3.980	0.000	0	0	0	14
		B		7.49Y	124.8	0.00	1.24	0.00	0	0	0	100					0	0	0	0
		C		7.51Y	125.2	0.00	0.84	2.00	0	13	7	87					0	0	0	11
PL.21874	PD.2752-B	A	1/0CU	7.57Y	126.1	0.00	-0.09	3.70	1	24	14	86	0.00	0.0	4.026	0.046	0	0	0	14
		B		7.49Y	124.8	-0.00	1.24	0.00	0	0	0	100					0	0	0	0
		C		7.51Y	125.2	0.00	0.84	2.00	0	13	7	87					0	0	0	11
PL.204	PL.21874	A	1/0CU	7.56Y	126.1	0.01	-0.08	3.70	1	24	14	86	0.00	0.0	4.131	0.105	0	0	0	14
		B		7.49Y	124.8	-0.00	1.23	0.00	0	0	0	100					0	0	0	0
		C		7.51Y	125.2	0.00	0.85	2.00	0	13	7	87					0	0	0	11
PL.14218	PL.204	A	1/0CU	7.56Y	126.1	-0.00	-0.08	0.00	0	0	0	100	0.00	0.0	4.226	0.095	0	0	0	0
		B		7.49Y	124.8	0.00	1.23	0.00	0	0	0	100					0	0	0	0
		C		7.51Y	125.2	0.00	0.85	2.00	0	13	7	87					0	0	0	11
PL.26411	PL.14218	C	4ACSR	7.51Y	125.2	0.00	0.85	2.00	1	13	7	88	0.00	0.0	4.229	0.003	0	0	0	11
PD.2856	PL.26411	C	fuse8AMP	7.51Y	125.2	0.00	0.85	2.00	27	13	7	88	0.00	0.0	4.229	0.000	0	0	0	11
PL.26412	PD.2856	C	4ACSR	7.51Y	125.1	0.00	0.85	2.00	1	13	7	88	0.00	0.0	4.268	0.039	0	0	0	11
577902	PL.26412	C	Consumer	7.51Y	125.1	0.00	0.85	0.00	0	0	0	100	0.00	0.0	4.268	0.000	0	0	0	0
577903	PL.26412	C	Consumer	7.51Y	125.1	0.00	0.85	0.00	0	0	0	100	0.00	0.0	4.268	0.000	0	0	1	1
PL.7547	PL.26412	C	4ACSR	7.51Y	125.1	0.00	0.86	1.25	1	8	5	85	0.00	0.0	4.319	0.052	0	0	0	7
5778005	PL.7547	C	Consumer	7.51Y	125.1	0.00	0.86	0.42	0	3	2	83	0.00	0.0	4.319	0.000	3	2	1	1
577801	PL.7547	C	Consumer	7.51Y	125.1	0.00	0.86	0.00	0	0	0	100	0.00	0.0	4.319	0.000	0	0	0	0
577804	PL.7547	C	Consumer	7.51Y	125.1	0.00	0.86	0.00	0	0	0	100	0.00	0.0	4.319	0.000	0	0	1	1
577803	PL.7547	C	Consumer	7.51Y	125.1	0.00	0.86	0.09	0	1	0	100	0.00	0.0	4.319	0.000	1	0	1	1
PL.7546	PL.7547	C	4ACSR	7.51Y	125.1	0.00	0.86	0.74	0	5	3	86	0.00	0.0	4.336	0.016	0	0	0	4
PL.7545	PL.7546	C	4ACSR	7.51Y	125.1	0.00	0.86	0.32	0	2	1	89	0.00	0.0	4.371	0.036	0	0	0	2
576803	PL.7545	C	Consumer	7.51Y	125.1	0.00	0.86	0.24	0	2	1	89	0.00	0.0	4.371	0.000	2	1	1	1
576805	PL.7545	C	Consumer	7.51Y	125.1	0.00	0.86	0.08	0	0	0	100	0.00	0.0	4.371	0.000	0	0	1	1
576809	PL.7545	C	Consumer	7.51Y	125.1	0.00	0.86	0.00	0	0	0	100	0.00	0.0	4.371	0.000	0	0	0	0
576808	PL.7545	C	Consumer	7.51Y	125.1	0.00	0.86	0.00	0	0	0	100	0.00	0.0	4.371	0.000	0	0	0	0
576804	PL.7546	C	Consumer	7.51Y	125.1	0.00	0.86	0.21	0	1	1	71	0.00	0.0	4.336	0.000	1	1	1	1

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

Unbalanced Voltage Drop Report
Source: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
576806	PL.7546	C	Consumer	7.51Y	125.1	0.00	0.86	0.21	0	1	1	71	0.00	0.0	4.336	0.000	1	1	1	1
PL.14220	PL.26412	C	4ACSR	7.51Y	125.1	0.00	0.85	0.75	0	5	3	86	0.00	0.0	4.293	0.025	0	0	0	3
577910	PL.14220	C	Consumer	7.51Y	125.1	0.00	0.85	0.16	0	1	1	71	0.00	0.0	4.293	0.000	1	1	1	1
PL.7550	PL.14220	C	4ACSR	7.51Y	125.1	0.00	0.85	0.59	0	4	2	89	0.00	0.0	4.305	0.012	0	0	0	2
PL.7548	PL.7550	C	4ACSR	7.51Y	125.1	0.00	0.85	0.59	0	4	2	89	0.00	0.0	4.331	0.025	0	0	0	2
578905	PL.7548	C	Consumer	7.51Y	125.1	0.00	0.85	0.43	0	3	2	83	0.00	0.0	4.331	0.000	3	2	1	1
578901	PL.7548	C	Consumer	7.51Y	125.1	0.00	0.85	0.16	0	1	1	71	0.00	0.0	4.331	0.000	1	1	1	1
577909	PL.7550	C	Consumer	7.51Y	125.1	0.00	0.85	0.00	0	0	0	100	0.00	0.0	4.305	0.000	0	0	0	0
PL.14217	PL.14218	A	1/0CU	7.56Y	126.1	0.00	-0.08	0.00	0	0	0	100	0.00	0.0	4.262	0.036	0	0	0	0
		B		7.49Y	124.8	0.00	1.23	0.00	0	0	0	100					0	0	0	0
		C		7.51Y	125.2	0.00	0.85	0.00	0	0	0	100					0	0	0	0
PD.193-A	PL.14217	A	Open	7.56Y	126.1	0.00	-0.08	0.00	0	0	0	100	0.00	0.0	4.262	0.000	0	0	0	0
		B		7.49Y	124.8	0.00	1.23	0.00	0	0	0	100					0	0	0	0
		C		7.51Y	125.2	0.00	0.85	0.00	0	0	0	100					0	0	0	0
PL.28090	PL.204	A	4ACSR	7.56Y	126.1	0.00	-0.08	3.70	2	24	14	86	0.00	0.0	4.137	0.006	0	0	0	14
PD.3725	PL.28090	A	0VXE	7.56Y	126.1	0.00	-0.08	3.70	0	24	14	86	0.00	0.0	4.137	0.000	0	0	0	14
PL.28091	PD.3725	A	4ACSR	7.56Y	126.1	0.01	-0.07	3.70	2	24	14	86	0.00	0.0	4.178	0.041	0	0	0	14
PL.15361	PL.28091	A	4ACSR	7.56Y	126.1	0.00	-0.07	3.70	2	24	14	86	0.00	0.0	4.178	0.000	0	0	0	14
PL.15362	PL.15361	A	4ACSR	7.56Y	126.1	0.01	-0.07	3.51	2	23	13	87	0.00	0.0	4.212	0.034	0	0	0	13
577905	PL.15362	A	Consumer	7.56Y	126.1	0.00	-0.07	0.20	0	1	1	71	0.00	0.0	4.212	0.000	1	1	1	1
577906	PL.15362	A	Consumer	7.56Y	126.1	0.00	-0.07	0.19	0	1	1	71	0.00	0.0	4.212	0.000	1	1	1	1
PL.15358	PL.15362	A	4ACSR	7.56Y	126.1	0.01	-0.06	3.12	2	20	12	86	0.00	0.0	4.268	0.055	0	0	0	11
PL.15365	PL.15358	A	4ACSR	7.56Y	126.1	0.00	-0.06	1.63	1	11	6	88	0.00	0.0	4.308	0.040	0	0	0	6
PL.15364	PL.15365	A	4ACSR	7.56Y	126.1	0.00	-0.05	1.63	1	11	6	88	0.00	0.0	4.334	0.026	0	0	0	6
PL.7549	PL.15364	A	4ACSR	7.56Y	126.0	0.01	-0.05	1.63	1	11	6	88	0.00	0.0	4.424	0.090	0	0	0	6
579901	PL.7549	A	Consumer	7.56Y	126.0	0.00	-0.05	0.03	0	0	0	100	0.00	0.0	4.424	0.000	0	0	1	1
579903	PL.7549	A	Consumer	7.56Y	126.0	0.00	-0.05	0.00	0	0	0	100	0.00	0.0	4.424	0.000	0	0	0	0
579902	PL.7549	A	Consumer	7.56Y	126.0	0.00	-0.05	0.21	0	1	1	71	0.00	0.0	4.424	0.000	1	1	1	1
PL.14221	PL.7549	A	4ACSR	7.56Y	126.0	0.01	-0.04	1.39	1	9	5	87	0.00	0.0	4.585	0.161	0	0	0	4
PL.14222	PL.14221	A	4ACSR	7.56Y	126.0	0.00	-0.04	1.39	1	9	5	87	0.00	0.0	4.585	0.000	0	0	0	4
PL.24499	PL.14222	A	4ACSR	7.56Y	126.0	0.00	-0.04	0.61	0	4	2	89	0.00	0.0	4.624	0.039	0	0	0	3
0832108	PL.24499	A	Consumer	7.56Y	126.0	0.00	-0.04	0.08	0	1	0	100	0.00	0.0	4.624	0.000	1	0	1	1
0832107	PL.24499	A	Consumer	7.56Y	126.0	0.00	-0.04	0.14	0	1	1	71	0.00	0.0	4.624	0.000	1	1	1	1
0832106	PL.24499	A	Consumer	7.56Y	126.0	0.00	-0.04	0.39	0	3	1	95	0.00	0.0	4.624	0.000	3	1	1	1
PL.14727	PL.14222	A	4ACSR	7.56Y	126.0	0.00	-0.03	0.78	0	5	3	86	0.00	0.0	4.684	0.099	0	0	0	1
PL.38141	PL.14727	A	4ACSR	7.56Y	126.0	0.00	-0.03	0.00	0	0	0	100	0.00	0.0	4.747	0.063	0	0	0	0
PD.6620-A	PL.38141	A	Closed	7.56Y	126.0	0.00	-0.03	0.00	0	0	0	100	0.00	0.0	4.747	0.000	0	0	0	0
PD.6620-B	PD.6620-A	A	Closed	7.56Y	126.0	0.00	-0.03	0.00	0	0	0	100	0.00	0.0	4.747	0.000	0	0	0	0
PL.38142	PD.6620-B	A	4ACSR	7.56Y	126.0	0.00	-0.03	0.00	0	0	0	100	0.00	0.0	4.754	0.007	0	0	0	0
PL.38140	PL.38142	A	4ACSR	7.56Y	126.0	0.00	-0.03	0.00	0	0	0	100	0.00	0.0	4.759	0.005	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: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.579-B	PL.38140	A	Open	7.56Y	126.0	0.00	-0.03	0.00	0	0	0	100	0.00	0.0	4.759	0.000	0	0	0	0
PL.38129	PL.38142	A	4ACSR	7.56Y	126.0	0.00	-0.03	0.00	0	0	0	100	0.00	0.0	4.757	0.003	0	0	0	0
PL.38130	PL.38129	A	4ACSR	7.56Y	126.0	0.00	-0.03	0.00	0	0	0	100	0.00	0.0	4.760	0.003	0	0	0	0
PL.38137	PL.38130	A	4ACSR	7.56Y	126.0	0.00	-0.03	0.00	0	0	0	100	0.00	0.0	4.880	0.120	0	0	0	0
PD.6619-A	PL.38137	A	Open	7.56Y	126.0	0.00	-0.03	0.00	0	0	0	100	0.00	0.0	4.880	0.000	0	0	0	0
PL.24500	PL.14727	A	4ACSR	7.56Y	126.0	0.00	-0.03	0.78	0	5	3	86	0.00	0.0	4.720	0.036	0	0	0	1
0832109	PL.24500	A	Consumer	7.56Y	126.0	0.00	-0.03	0.78	0	5	3	86	0.00	0.0	4.720	0.000	5	3	1	1
PL.15363	PL.15365	A	4ACSR	7.56Y	126.1	0.00	-0.06	0.00	0	0	0	100	0.00	0.0	4.350	0.042	0	0	0	0
579001	PL.15363	A	Consumer	7.56Y	126.1	0.00	-0.06	0.00	0	0	0	100	0.00	0.0	4.350	0.000	0	0	0	0
PL.42668	PL.15363	A	2ACSR	7.56Y	126.1	0.00	-0.06	0.00	0	0	0	100	0.00	0.0	4.399	0.049	0	0	0	0
5790003	PL.42668	A	Consumer	7.56Y	126.1	0.00	-0.06	0.00	0	0	0	100	0.00	0.0	4.399	0.000	0	0	0	0
578904	PL.15358	A	Consumer	7.56Y	126.1	0.00	-0.06	0.31	0	2	1	89	0.00	0.0	4.268	0.000	2	1	1	1
5790002	PL.15358	A	Consumer	7.56Y	126.1	0.00	-0.06	0.53	0	3	2	83	0.00	0.0	4.268	0.000	3	2	1	1
5789007	PL.15358	A	Consumer	7.56Y	126.1	0.00	-0.06	0.15	0	1	1	71	0.00	0.0	4.268	0.000	1	1	1	1
578906	PL.15358	A	Consumer	7.56Y	126.1	0.00	-0.06	0.12	0	1	0	100	0.00	0.0	4.268	0.000	1	0	1	1
578903	PL.15358	A	Consumer	7.56Y	126.1	0.00	-0.06	0.38	0	2	1	89	0.00	0.0	4.268	0.000	2	1	1	1
577907	PL.15361	A	Consumer	7.56Y	126.1	0.00	-0.07	0.19	0	1	1	71	0.00	0.0	4.178	0.000	1	1	1	1
PL.16346	PL.14227	B	4ACSR	7.49Y	124.8	0.00	1.25	0.00	0	0	0	100	0.00	0.0	3.555	0.013	0	0	0	1
PD.828	PL.16346	B	fuse6AMP	7.49Y	124.8	0.00	1.25	0.00	0	0	0	100	0.00	0.0	3.555	0.000	0	0	0	1
PL.16347	PD.828	B	4ACSR	7.49Y	124.8	0.00	1.25	0.00	0	0	0	100	0.00	0.0	3.677	0.122	0	0	0	1
PL.4640	PL.16347	B	4ACSR	7.49Y	124.8	0.00	1.25	0.00	0	0	0	100	0.00	0.0	3.813	0.137	0	0	0	1
083325	PL.4640	B	Consumer	7.49Y	124.8	0.00	1.25	0.00	0	0	0	100	0.00	0.0	3.813	0.000	0	0	1	1
083314	PL.4640	B	Consumer	7.49Y	124.8	0.00	1.25	0.00	0	0	0	100	0.00	0.0	3.813	0.000	0	0	0	0
PL.15032	PL.19386	C	4ACSR	7.52Y	125.4	0.00	0.65	0.47	0	3	2	83	0.00	0.0	2.644	0.023	0	0	0	2
PD.1767	PL.15032	C	fuse6AMP	7.52Y	125.4	0.00	0.65	0.47	8	3	2	83	0.00	0.0	2.644	0.000	0	0	0	2
PL.15033	PD.1767	C	4ACSR	7.52Y	125.3	0.00	0.65	0.47	0	3	2	83	0.00	0.0	2.727	0.083	0	0	0	2
PL.8356	PL.15033	C	4ACSR	7.52Y	125.3	0.00	0.65	0.47	0	3	2	83	0.00	0.0	2.804	0.077	0	0	0	2
082403	PL.8356	C	Consumer	7.52Y	125.3	0.00	0.65	0.42	0	3	2	83	0.00	0.0	2.804	0.000	3	2	1	1
PL.24240	PL.8356	C	4ACSR	7.52Y	125.3	0.00	0.65	0.05	0	0	0	100	0.00	0.0	2.906	0.102	0	0	0	1
082416	PL.24240	C	Consumer	7.52Y	125.3	0.00	0.65	0.05	0	0	0	100	0.00	0.0	2.906	0.000	0	0	1	1
PL.18377	PL.14571	A	1/0CU	7.57Y	126.1	-0.01	-0.14	0.37	0	2	1	89	0.04	0.0	2.511	0.175	0	0	0	3
		B		7.48Y	124.7	0.05	1.32	14.59	3	95	55	87					0	0	0	58
		C		7.52Y	125.4	0.02	0.61	11.55	3	75	44	86					0	0	0	41
PD.3451	PL.18377	A	35V4E	7.57Y	126.1	0.00	-0.14	0.37	1	2	1	89	0.00	0.0	2.511	0.000	0	0	0	3
		B		7.48Y	124.7	0.00	1.32	14.59	21	95	55	87					0	0	0	58
		C		7.52Y	125.4	0.00	0.61	11.55	33	75	44	87					0	0	0	41
PL.40923	PD.3451	A	2ACSR	7.57Y	126.1	0.00	-0.14	0.01	0	0	0	100	0.00	0.0	2.518	0.007	0	0	0	1
PD.7294	PL.40923	A	fuse6AMP	7.57Y	126.1	0.00	-0.14	0.01	0	0	0	100	0.00	0.0	2.518	0.000	0	0	0	1
PL.40924	PD.7294	A	2ACSR	7.57Y	126.1	0.00	-0.14	0.01	0	0	0	100	0.00	0.0	2.695	0.176	0	0	0	1
0824021	PL.40924	A	Consumer	7.57Y	126.1	0.00	-0.14	0.01	0	0	0	100	0.00	0.0	2.695	0.000	0	0	1	1

Unbalanced Voltage Drop Report
Source: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.18378	PD.3451	A	1/0CU	7.57Y	126.2	-0.02	-0.16	0.37	0	2	1	89	0.07	0.0	2.804	0.293	0	0	0	2
		B		7.48Y	124.6	0.09	1.42	14.59	3	95	55	87					0	0	0	58
		C		7.52Y	125.4	0.04	0.65	11.55	3	75	44	87					0	0	0	41
PL.15030	PL.18378	C	4ACSR	7.52Y	125.4	0.00	0.65	1.38	1	9	5	87	0.00	0.0	2.829	0.025	0	0	0	2
PD.2017	PL.15030	C	fuse6AMP	7.52Y	125.4	0.00	0.65	1.38	24	9	5	87	0.00	0.0	2.829	0.000	0	0	0	2
PL.15031	PD.2017	C	4ACSR	7.52Y	125.3	0.00	0.65	1.38	1	9	5	87	0.00	0.0	2.869	0.040	0	0	0	2
PL.5197	PL.15031	C	4ACSR	7.52Y	125.3	0.01	0.66	0.81	0	5	3	86	0.00	0.0	3.047	0.178	0	0	0	1
0814026	PL.5197	C	Consumer	7.52Y	125.3	0.00	0.66	0.81	0	5	3	86	0.00	0.0	3.047	0.000	5	3	1	1
PL.5199	PL.15031	C	4ACSR	7.52Y	125.3	0.00	0.65	0.57	0	4	2	89	0.00	0.0	2.957	0.089	0	0	0	1
081412	PL.5199	C	Consumer	7.52Y	125.3	0.00	0.65	0.57	0	4	2	89	0.00	0.0	2.957	0.000	4	2	1	1
PL.14226	PL.18378	A	1/0CU	7.57Y	126.2	-0.04	-0.20	0.37	0	2	1	89	0.14	0.1	3.491	0.687	0	0	0	2
		B		7.46Y	124.4	0.21	1.63	14.59	3	95	54	87					0	0	0	58
		C		7.52Y	125.3	0.07	0.72	10.17	2	66	38	87					0	0	0	39
PL.7640	PL.14226	A	1/0CU	7.57Y	126.2	-0.01	-0.21	0.37	0	2	1	89	0.01	0.0	3.670	0.179	0	0	0	2
		B		7.46Y	124.4	0.01	1.64	2.28	1	15	9	87					0	0	0	10
		C		7.51Y	125.2	0.04	0.75	10.17	2	66	38	87					0	0	0	39
PL.15024	PL.7640	C	4ACSR	7.51Y	125.2	0.00	0.75	0.63	0	4	2	89	0.00	0.0	3.694	0.024	0	0	0	1
PD.2018	PL.15024	C	fuse6AMP	7.51Y	125.2	0.00	0.75	0.63	11	4	2	89	0.00	0.0	3.694	0.000	0	0	0	1
PL.15025	PD.2018	C	4ACSR	7.51Y	125.2	0.00	0.76	0.63	0	4	2	89	0.00	0.0	3.784	0.091	0	0	0	1
081413	PL.15025	C	Consumer	7.51Y	125.2	0.00	0.76	0.63	0	4	2	89	0.00	0.0	3.784	0.000	4	2	1	1
PL.15374	PL.7640	A	1/0CU	7.57Y	126.2	-0.01	-0.22	0.37	0	2	1	89	0.01	0.0	3.755	0.085	0	0	0	2
		B		7.46Y	124.4	0.00	1.64	2.28	1	15	9	87					0	0	0	10
		C		7.51Y	125.2	0.02	0.77	9.42	2	61	35	87					0	0	0	37
PL.42760	PL.15374	C	4ACSR	7.51Y	125.2	0.00	0.77	0.84	0	5	3	86	0.00	0.0	3.760	0.005	0	0	0	3
PD.1774	PL.42760	C	fuse6AMP	7.51Y	125.2	0.00	0.77	0.84	14	5	3	86	0.00	0.0	3.760	0.000	0	0	0	3
PL.42761	PD.1774	C	4ACSR	7.51Y	125.2	0.00	0.77	0.40	0	3	1	95	0.00	0.0	3.849	0.089	0	0	0	1
081515	PL.42761	C	Consumer	7.51Y	125.2	0.00	0.77	0.40	0	3	1	95	0.00	0.0	3.849	0.000	3	1	1	1
PL.42762	PD.1774	C	4ACSR	7.51Y	125.2	0.00	0.77	0.45	0	3	2	83	0.00	0.0	3.849	0.089	0	0	0	2
081511	PL.42762	C	Consumer	7.51Y	125.2	0.00	0.77	0.41	0	3	2	83	0.00	0.0	3.849	0.000	3	2	1	1
081517	PL.42762	C	Consumer	7.51Y	125.2	0.00	0.77	0.03	0	0	0	100	0.00	0.0	3.849	0.000	0	0	1	1
PL.15029	PL.15374	A	1/0CU	7.57Y	126.2	-0.00	-0.22	0.37	0	2	1	89	0.00	0.0	3.816	0.062	0	0	0	2
		B		7.46Y	124.4	0.00	1.65	2.28	1	15	9	87					0	0	0	10
		C		7.51Y	125.2	0.01	0.78	8.58	2	56	32	87					0	0	0	34
PD.578-A	PL.15029	A	Closed	7.57Y	126.2	0.00	-0.22	0.37	0	2	1	89	0.00	0.0	3.816	0.000	0	0	0	2
		B		7.46Y	124.4	0.00	1.65	2.28	0	15	9	87					0	0	0	10
		C		7.51Y	125.2	0.00	0.78	8.58	0	56	32	87					0	0	0	34
PD.578-B	PD.578-A	A	Closed	7.57Y	126.2	0.00	-0.22	0.37	0	2	1	89	0.00	0.0	3.816	0.000	0	0	0	2
		B		7.46Y	124.4	0.00	1.65	2.28	0	15	9	87					0	0	0	10
		C		7.51Y	125.2	0.00	0.78	8.58	0	56	32	87					0	0	0	34
PL.15028	PD.578-B	A	1/0CU	7.57Y	126.2	-0.01	-0.23	0.37	0	2	1	89	0.01	0.0	3.927	0.110	0	0	0	2
		B		7.46Y	124.3	0.01	1.65	2.28	1	15	9	87					0	0	0	10
		C		7.51Y	125.2	0.02	0.80	8.58	2	56	32	87					0	0	0	34
PL.15375	PL.15028	A	1/0CU	7.57Y	126.2	-0.01	-0.23	0.37	0	2	1	89	0.01	0.0	4.068	0.141	0	0	0	2
		B		7.46Y	124.3	0.01	1.66	2.28	1	15	9	87					0	0	0	10
		C		7.51Y	125.2	0.02	0.82	8.56	2	56	32	87					0	0	0	33
PL.18519	PL.15375	C	4ACSR	7.51Y	125.2	0.00	0.82	2.18	1	14	8	87	0.00	0.0	4.091	0.023	0	0	0	11
PD.2021	PL.18519	C	fuse6AMP	7.51Y	125.2	0.00	0.82	2.18	37	14	8	87	0.00	0.0	4.091	0.000	0	0	0	11

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

Unbalanced Voltage Drop Report
Source: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.18520	PD.2021	C	4ACSR	7.51Y	125.2	0.01	0.83	2.18	1	14	8	87	0.00	0.0	4.158	0.067	0	0	0	11
PL.8350	PL.18520	C	4ACSR	7.51Y	125.2	0.00	0.83	0.73	0	5	3	86	0.00	0.0	4.206	0.048	0	0	0	4
080509	PL.8350	C	Consumer	7.51Y	125.2	0.00	0.83	0.22	0	1	1	71	0.00	0.0	4.206	0.000	1	1	1	1
PL.8351	PL.8350	C	4ACSR	7.51Y	125.2	0.00	0.83	0.50	0	3	2	83	0.00	0.0	4.253	0.047	0	0	0	3
080526	PL.8351	C	Consumer	7.51Y	125.2	0.00	0.83	0.23	0	1	1	71	0.00	0.0	4.253	0.000	1	1	1	1
080501	PL.8351	C	Consumer	7.51Y	125.2	0.00	0.83	0.25	0	2	1	89	0.00	0.0	4.253	0.000	2	1	1	1
080522	PL.8351	C	Consumer	7.51Y	125.2	0.00	0.83	0.03	0	0	0	100	0.00	0.0	4.253	0.000	0	0	1	1
PL.15376	PL.18520	C	4ACSR	7.51Y	125.2	0.01	0.84	1.45	1	9	5	87	0.00	0.0	4.341	0.183	0	0	0	7
080516	PL.15376	C	Consumer	7.51Y	125.2	0.00	0.84	0.00	0	0	0	100	0.00	0.0	4.341	0.000	0	0	0	0
080507	PL.15376	C	Consumer	7.51Y	125.2	0.00	0.84	0.16	0	1	1	71	0.00	0.0	4.341	0.000	1	1	1	1
080524	PL.15376	C	Consumer	7.51Y	125.2	0.00	0.84	0.50	0	3	2	83	0.00	0.0	4.341	0.000	3	2	1	1
PL.15377	PL.15376	C	4ACSR	7.51Y	125.2	0.00	0.84	0.21	0	1	1	71	0.00	0.0	4.488	0.148	0	0	0	3
PL.23816	PL.15377	C	4ACSR	7.51Y	125.2	0.00	0.84	0.21	0	1	1	71	0.00	0.0	4.489	0.000	0	0	0	3
PL.20684	PL.23816	C	4ACSR	7.51Y	125.2	0.00	0.84	0.21	0	1	1	71	0.00	0.0	4.528	0.039	0	0	0	3
029515	PL.20684	C	Consumer	7.51Y	125.2	0.00	0.84	0.21	0	1	1	71	0.00	0.0	4.528	0.000	1	1	1	1
PL.20685	PL.20684	C	4ACSR	7.51Y	125.2	0.00	0.84	0.00	0	0	0	100	0.00	0.0	4.576	0.048	0	0	0	2
PL.39800	PL.20685	C	2ACSR	7.51Y	125.2	0.00	0.84	0.00	0	0	0	100	0.00	0.0	4.623	0.047	0	0	0	1
0295017	PL.39800	C	Consumer	7.51Y	125.2	0.00	0.84	0.00	0	0	0	100	0.00	0.0	4.623	0.000	0	0	1	1
029516	PL.20685	C	Consumer	7.51Y	125.2	0.00	0.84	0.00	0	0	0	100	0.00	0.0	4.576	0.000	0	0	1	1
PL.18991	PL.15376	C	4ACSR	7.51Y	125.2	0.00	0.84	0.57	0	4	2	89	0.00	0.0	4.415	0.074	0	0	0	2
080519	PL.18991	C	Consumer	7.51Y	125.2	0.00	0.84	0.16	0	1	1	71	0.00	0.0	4.415	0.000	1	1	1	1
PL.18992	PL.18991	C	4ACSR	7.51Y	125.2	0.00	0.84	0.42	0	3	2	83	0.00	0.0	4.474	0.059	0	0	0	1
080512	PL.18992	C	Consumer	7.51Y	125.2	0.00	0.84	0.42	0	3	2	83	0.00	0.0	4.474	0.000	3	2	1	1
PL.14876	PL.15375	A	1/0CU	7.57Y	126.2	-0.00	-0.24	0.37	0	2	1	89	0.00	0.0	4.186	0.118	0	0	0	2
		B		7.46Y	124.3	0.01	1.67	2.28	1	15	9	87					0	0	0	10
		C		7.51Y	125.2	0.01	0.83	6.38	1	41	24	87					0	0	0	22
PL.19144	PL.14876	A	1/0CU	7.57Y	126.2	-0.00	-0.24	0.37	0	2	1	89	0.00	0.0	4.215	0.030	0	0	0	2
		B		7.46Y	124.3	0.00	1.67	2.28	1	15	9	87					0	0	0	10
		C		7.51Y	125.2	0.00	0.84	6.30	1	41	24	87					0	0	0	21
PL.19143	PL.19144	A	1/0CU	7.57Y	126.2	-0.00	-0.24	0.37	0	2	1	89	0.00	0.0	4.297	0.082	0	0	0	2
		B		7.46Y	124.3	0.00	1.67	2.22	1	14	8	87					0	0	0	9
		C		7.51Y	125.2	0.01	0.85	6.30	1	41	24	87					0	0	0	21
080523	PL.19143	A	Consumer	7.57Y	126.2	0.00	-0.24	0.36	0	2	1	89	0.00	0.0	4.297	0.000	2	1	1	1
PL.8354	PL.19143	A	1/0CU	7.57Y	126.2	-0.00	-0.24	0.00	0	0	0	100	0.00	0.0	4.319	0.022	0	0	0	1
		B		7.46Y	124.3	0.00	1.67	2.22	1	14	8	87					0	0	0	9
		C		7.51Y	125.2	0.00	0.85	6.30	1	41	24	87					0	0	0	21
PL.26797	PL.8354	A	1/0CU	7.57Y	126.2	-0.00	-0.25	0.00	0	0	0	100	0.00	0.0	4.384	0.065	0	0	0	1
		B		7.46Y	124.3	0.00	1.68	2.22	1	14	8	87					0	0	0	9
		C		7.51Y	125.1	0.01	0.86	6.30	1	41	24	87					0	0	0	21
PD.2023	PL.26797	A	fuse6AMP	7.57Y	126.2	0.00	-0.25	0.00	0	0	0	100	0.00	0.0	4.384	0.000	0	0	0	1
		B		7.46Y	124.3	0.00	1.68	2.22	38	14	8	87					0	0	0	9
C		C		7.51Y	125.1	0.00	0.86	6.30	108	41	24	87					0	0	0	21 C
PL.19847	PD.2023	A	1/0CU	7.57Y	126.2	-0.00	-0.25	0.00	0	0	0	100	0.00	0.0	4.408	0.023	0	0	0	1
		B		7.46Y	124.3	0.00	1.68	2.22	1	14	8	87					0	0	0	9
		C		7.51Y	125.1	0.00	0.86	6.30	1	41	24	87					0	0	0	21

Unbalanced Voltage Drop Report
Source: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
080513	PL.19847	B	Consumer	7.46Y	124.3	0.00	1.68	0.15	0	1	1	71	0.00	0.0	4.408	0.000	1	1	1	1
080527	PL.19847	C	Consumer	7.51Y	125.1	0.00	0.86	0.12	0	1	0	100	0.00	0.0	4.408	0.000	1	0	1	1
PL.19846	PL.19847	A	1/0CU	7.57Y	126.2	-0.00	-0.25	0.00	0	0	0	100	0.00	0.0	4.438	0.030	0	0	0	1
		B		7.46Y	124.3	0.00	1.68	2.07	0	13	8	87					0	0	0	8
		C		7.51Y	125.1	0.00	0.86	6.17	1	40	23	87					0	0	0	20
PL.8355	PL.19846	A	1/0CU	7.57Y	126.2	-0.00	-0.25	0.00	0	0	0	100	0.00	0.0	4.439	0.001	0	0	0	1
		B		7.46Y	124.3	0.00	1.68	2.07	0	13	8	87					0	0	0	8
		C		7.51Y	125.1	0.00	0.86	6.17	1	40	23	87					0	0	0	20
PL.23817	PL.8355	A	1/0CU	7.57Y	126.2	0.00	-0.25	0.00	0	0	0	100	0.00	0.0	4.439	0.000	0	0	0	0
		B		7.46Y	124.3	0.00	1.68	0.00	0	0	0	100					0	0	0	0
		C		7.51Y	125.1	0.00	0.86	0.00	0	0	0	100					0	0	0	0
PL.20687	PL.8355	A	1/0CU	7.58Y	126.3	-0.01	-0.26	0.00	0	0	0	100	0.00	0.0	4.580	0.142	0	0	0	1
		B		7.46Y	124.3	0.01	1.69	2.07	0	13	8	87					0	0	0	8
		C		7.51Y	125.1	0.02	0.88	6.17	1	40	23	87					0	0	0	20
PL.20686	PL.20687	A	1/0CU	7.58Y	126.3	-0.01	-0.26	0.00	0	0	0	100	0.00	0.0	4.700	0.119	0	0	0	1
		B		7.46Y	124.3	0.01	1.69	1.88	0	12	7	87					0	0	0	7
		C		7.51Y	125.1	0.01	0.89	6.17	1	40	23	87					0	0	0	20
PL.23818	PL.20686	A	4ACSR	7.58Y	126.3	0.00	-0.26	0.00	0	0	0	100	0.00	0.0	4.770	0.070	0	0	0	1
029511	PL.23818	A	Consumer	7.58Y	126.3	0.00	-0.26	0.00	0	0	0	100	0.00	0.0	4.770	0.000	0	0	1	1
PL.14878	PL.20686	A	1/0CU	7.58Y	126.3	-0.01	-0.27	0.00	0	0	0	100	0.00	0.0	4.848	0.148	0	0	0	0
		B		7.46Y	124.3	0.01	1.70	1.88	0	12	7	87					0	0	0	7
		C		7.51Y	125.1	0.02	0.91	6.17	1	40	23	87					0	0	0	20
PL.20232	PL.14878	B	4ACSR	7.46Y	124.3	0.00	1.70	0.12	0	1	0	100	0.00	0.0	4.857	0.009	0	0	0	1
PD.1116	PL.20232	B	fuse6AMP	7.46Y	124.3	0.00	1.70	0.12	2	1	0	100	0.00	0.0	4.857	0.000	0	0	0	1
PL.20233	PD.1116	B	4ACSR	7.46Y	124.3	0.00	1.70	0.12	0	1	0	100	0.00	0.0	4.951	0.094	0	0	0	1
029507	PL.20233	B	Consumer	7.46Y	124.3	0.00	1.70	0.12	0	1	0	100	0.00	0.0	4.951	0.000	1	0	1	1
PL.14877	PL.14878	A	1/0CU	7.58Y	126.3	-0.00	-0.27	0.00	0	0	0	100	0.00	0.0	4.880	0.031	0	0	0	0
		B		7.46Y	124.3	0.00	1.70	1.76	0	11	7	87					0	0	0	6
		C		7.51Y	125.1	0.00	0.91	6.17	1	40	23	87					0	0	0	20
PL.26587	PL.14877	A	1/0CU	7.58Y	126.3	-0.00	-0.27	0.00	0	0	0	100	0.00	0.0	4.881	0.002	0	0	0	0
		B		7.46Y	124.3	0.00	1.70	1.76	0	11	7	87					0	0	0	6
		C		7.51Y	125.1	0.00	0.91	6.17	1	40	23	87					0	0	0	20
PL.26586	PL.26587	A	1/0CU	7.58Y	126.3	-0.00	-0.27	0.00	0	0	0	100	0.00	0.0	4.968	0.087	0	0	0	0
		B		7.46Y	124.3	0.00	1.70	1.76	0	11	7	87					0	0	0	6
		C		7.51Y	125.1	0.00	0.92	2.09	0	14	8	87					0	0	0	5
PL.14883	PL.26586	A	1/0CU	7.58Y	126.3	-0.01	-0.28	0.00	0	0	0	100	0.00	0.0	5.449	0.481	0	0	0	0
		B		7.46Y	124.3	0.02	1.72	1.73	0	11	6	87					0	0	0	5
		C		7.50Y	125.1	0.01	0.93	2.09	0	14	8	87					0	0	0	5
PL.14884	PL.14883	A	1/0CU	7.58Y	126.3	-0.00	-0.28	0.00	0	0	0	100	0.00	0.0	5.511	0.062	0	0	0	0
		B		7.46Y	124.3	0.00	1.72	1.49	0	10	6	87					0	0	0	4
		C		7.50Y	125.1	0.00	0.93	2.09	0	14	8	87					0	0	0	5
PL.45652	PL.14884	B	4ACSR	7.46Y	124.3	0.00	1.73	0.58	0	4	2	89	0.00	0.0	5.578	0.067	0	0	0	1
PL.45651	PL.45652	B	4ACSR	7.46Y	124.3	0.00	1.73	0.58	0	4	2	89	0.00	0.0	5.626	0.048	0	0	0	1
028529	PL.45651	B	Consumer	7.46Y	124.3	0.00	1.73	0.58	0	4	2	89	0.00	0.0	5.626	0.000	4	2	1	1
PL.45650	PL.45652	B	4ACSR	7.46Y	124.3	0.00	1.73	0.00	0	0	0	100	0.00	0.0	5.618	0.040	0	0	0	0
0285033	PL.45650	B	Consumer	7.46Y	124.3	0.00	1.73	0.00	0	0	0	100	0.00	0.0	5.618	0.000	0	0	0	0
PL.19493	PL.14884	A	1/0CU	7.58Y	126.3	-0.00	-0.28	0.00	0	0	0	100	0.00	0.0	5.551	0.041	0	0	0	0
		B		7.46Y	124.3	0.00	1.72	0.91	0	6	3	87					0	0	0	3
		C		7.50Y	125.1	0.00	0.93	2.09	0	14	8	87					0	0	0	5
028503	PL.19493	B	Consumer	7.46Y	124.3	0.00	1.72	0.13	0	1	0	100	0.00	0.0	5.551	0.000	1	0	1	1

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

Unbalanced Voltage Drop Report
Source: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.20251	PL.19493	A	1/0CU	7.58Y	126.3	-0.00	-0.28	0.00	0	0	0	100	0.00	0.0	5.685	0.134	0	0	0	0
		B		7.46Y	124.3	0.00	1.73	0.78	0	5	3	87					0	0	0	2
		C		7.50Y	125.1	0.01	0.94	2.09	0	14	8	87					0	0	0	5
PD.233-A	PL.20251	A	Closed	7.58Y	126.3	0.00	-0.28	0.00	0	0	0	100	0.00	0.0	5.685	0.000	0	0	0	0
		B		7.46Y	124.3	0.00	1.73	0.78	0	5	3	87					0	0	0	2
		C		7.50Y	125.1	0.00	0.94	2.09	0	14	8	87					0	0	0	5
PD.233-B	PD.233-A	A	Closed	7.58Y	126.3	0.00	-0.28	0.00	0	0	0	100	0.00	0.0	5.685	0.000	0	0	0	0
		B		7.46Y	124.3	0.00	1.73	0.78	0	5	3	87					0	0	0	2
		C		7.50Y	125.1	0.00	0.94	2.09	0	14	8	87					0	0	0	5
PL.20250	PD.233-B	A	1/0CU	7.58Y	126.3	-0.00	-0.28	0.00	0	0	0	100	0.00	0.0	5.723	0.038	0	0	0	0
		B		7.46Y	124.3	0.00	1.73	0.78	0	5	3	87					0	0	0	2
		C		7.50Y	125.1	0.00	0.94	2.09	0	14	8	87					0	0	0	5
PL.2003	PL.20250	B	4ACSR	7.46Y	124.3	0.00	1.73	0.78	0	5	3	86	0.00	0.0	5.806	0.082	0	0	0	2
028530	PL.2003	B	Consumer	7.46Y	124.3	0.00	1.73	0.47	0	3	2	83	0.00	0.0	5.806	0.000	3	2	1	1
0285032	PL.2003	B	Consumer	7.46Y	124.3	0.00	1.73	0.31	0	2	1	89	0.00	0.0	5.806	0.000	2	1	1	1
PL.14885	PL.20250	A	1/0CU	7.58Y	126.3	-0.00	-0.28	0.00	0	0	0	100	0.00	0.0	5.792	0.069	0	0	0	0
		B		7.46Y	124.3	0.00	1.73	0.00	0	0	0	100					0	0	0	0
		C		7.50Y	125.1	0.00	0.94	2.09	0	14	8	87					0	0	0	5
PL.15034	PL.14885	A	1/0CU	7.58Y	126.3	-0.00	-0.28	0.00	0	0	0	100	0.00	0.0	5.950	0.158	0	0	0	0
		B		7.46Y	124.3	0.00	1.73	0.00	0	0	0	100					0	0	0	0
		C		7.50Y	125.1	0.01	0.95	1.54	0	10	6	87					0	0	0	3
PL.14886	PL.15034	A	1/0CU	7.58Y	126.3	-0.00	-0.29	0.00	0	0	0	100	0.00	0.0	6.170	0.220	0	0	0	0
		B		7.46Y	124.3	0.00	1.73	0.00	0	0	0	100					0	0	0	0
		C		7.50Y	125.0	0.00	0.95	0.71	0	5	3	87					0	0	0	1
PL.14953	PL.14886	A	1/0CU	7.58Y	126.3	-0.00	-0.29	0.00	0	0	0	100	0.00	0.0	6.218	0.048	0	0	0	0
		B		7.46Y	124.3	0.00	1.73	0.00	0	0	0	100					0	0	0	0
		C		7.50Y	125.0	0.00	0.95	0.71	0	5	3	87					0	0	0	1
PL.45991	PL.14953	A	1/0CU	7.58Y	126.3	0.00	-0.29	0.00	0	0	0	100	0.00	0.0	6.249	0.031	0	0	0	0
		B		7.46Y	124.3	0.00	1.73	0.00	0	0	0	100					0	0	0	0
		C		7.50Y	125.0	0.00	0.95	0.00	0	0	0	100					0	0	0	0
PL.45990	PL.45991	A	1/0CU	7.58Y	126.3	0.00	-0.29	0.00	0	0	0	100	0.00	0.0	6.254	0.005	0	0	0	0
		B		7.46Y	124.3	0.00	1.73	0.00	0	0	0	100					0	0	0	0
		C		7.50Y	125.0	0.00	0.95	0.00	0	0	0	100					0	0	0	0
PL.26326	PL.45990	A	1/0CU	7.58Y	126.3	0.00	-0.29	0.00	0	0	0	100	0.00	0.0	6.261	0.006	0	0	0	0
		B		7.46Y	124.3	0.00	1.73	0.00	0	0	0	100					0	0	0	0
		C		7.50Y	125.0	0.00	0.95	0.00	0	0	0	100					0	0	0	0
PD.232-B	PL.26326	A	Open	7.58Y	126.3	0.00	-0.29	0.00	0	0	0	100	0.00	0.0	6.261	0.000	0	0	0	0
		B		7.46Y	124.3	0.00	1.73	0.00	0	0	0	100					0	0	0	0
		C		7.50Y	125.0	0.00	0.95	0.00	0	0	0	100					0	0	0	0
PL.45989	PL.45991	A	2ACSR	7.58Y	126.3	0.00	-0.29	0.00	0	0	0	100	0.00	0.0	6.286	0.037	0	0	0	0
0275005	PL.45989	A	Consumer	7.58Y	126.3	0.00	-0.29	0.00	0	0	0	100	0.00	0.0	6.286	0.000	0	0	0	0
027502	PL.14953	C	Consumer	7.50Y	125.0	0.00	0.95	0.71	0	5	3	86	0.00	0.0	6.218	0.000	5	3	1	1
PL.21698	PL.15034	C	4ACSR	7.50Y	125.1	0.00	0.95	0.83	0	5	3	86	0.00	0.0	5.960	0.010	0	0	0	2
PD.3086	PL.21698	C	fuse6AMP	7.50Y	125.1	0.00	0.95	0.83	14	5	3	86	0.00	0.0	5.960	0.000	0	0	0	2
PL.21699	PD.3086	C	4ACSR	7.50Y	125.0	0.00	0.95	0.83	0	5	3	86	0.00	0.0	6.027	0.067	0	0	0	2
028527	PL.21699	C	Consumer	7.50Y	125.0	0.00	0.95	0.03	0	0	0	100	0.00	0.0	6.027	0.000	0	0	1	1
028501	PL.21699	C	Consumer	7.50Y	125.0	0.00	0.95	0.80	0	5	3	86	0.00	0.0	6.027	0.000	5	3	1	1
PL.19393	PL.14885	C	4ACSR	7.50Y	125.1	0.00	0.94	0.54	0	4	2	89	0.00	0.0	5.827	0.034	0	0	0	2
PD.1118	PL.19393	C	fuse6AMP	7.50Y	125.1	0.00	0.94	0.54	9	4	2	89	0.00	0.0	5.827	0.000	0	0	0	2
PL.19394	PD.1118	C	4ACSR	7.50Y	125.1	0.00	0.95	0.54	0	4	2	89	0.00	0.0	5.874	0.048	0	0	0	2

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: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.23822	PL.19394	C	4ACSR	7.50Y	125.1	0.00	0.95	0.54	0	4	2	89	0.00	0.0	5.995	0.121	0	0	0	2
028504	PL.23822	C	Consumer	7.50Y	125.1	0.00	0.95	0.24	0	2	1	89	0.00	0.0	5.995	0.000	2	1	1	1
028506	PL.23822	C	Consumer	7.50Y	125.1	0.00	0.95	0.30	0	2	1	89	0.00	0.0	5.995	0.000	2	1	1	1
028508	PL.14883	B	Consumer	7.46Y	124.3	0.00	1.72	0.24	0	2	1	89	0.00	0.0	5.449	0.000	2	1	1	1
028502	PL.26586	B	Consumer	7.46Y	124.3	0.00	1.70	0.03	0	0	0	100	0.00	0.0	4.968	0.000	0	0	1	1
PL.39253	PL.26587	C	4ACSR	7.51Y	125.1	0.00	0.91	4.09	2	27	15	87	0.00	0.0	4.891	0.010	0	0	0	15
PD.6891	PL.39253	C	25L	7.51Y	125.1	0.00	0.91	4.09	16	27	15	87	0.00	0.0	4.891	0.000	0	0	0	15
PL.39254	PD.6891	C	4ACSR	7.50Y	125.1	0.00	0.92	4.09	2	27	15	87	0.00	0.0	4.902	0.011	0	0	0	15
PL.18779	PL.39254	C	4ACSR	7.50Y	125.1	0.01	0.92	4.09	2	27	15	87	0.00	0.0	4.944	0.042	0	0	0	15
PL.23819	PL.18779	C	4ACSR	7.50Y	125.1	0.00	0.93	0.25	0	2	1	89	0.00	0.0	5.083	0.138	0	0	0	1
029504	PL.23819	C	Consumer	7.50Y	125.1	0.00	0.93	0.25	0	2	1	89	0.00	0.0	5.083	0.000	2	1	1	1
PL.27703	PL.18779	C	4ACSR	7.50Y	125.1	0.02	0.94	3.76	2	24	14	86	0.00	0.0	5.046	0.102	0	0	0	13
PD.234-A	PL.27703	C	Closed	7.50Y	125.1	0.00	0.94	3.76	0	24	14	86	0.00	0.0	5.046	0.000	0	0	0	13
PD.234-B	PD.234-A	C	Closed	7.50Y	125.1	0.00	0.94	3.76	0	24	14	86	0.00	0.0	5.046	0.000	0	0	0	13
PL.27704	PD.234-B	C	4ACSR	7.50Y	125.0	0.02	0.96	3.76	2	24	14	86	0.00	0.0	5.145	0.098	0	0	0	13
PD.3778	PL.27704	C	fuse6AMP	7.50Y	125.0	0.00	0.96	3.76	64	24	14	86	0.00	0.0	5.145	0.000	0	0	0	13
PL.14879	PD.3778	C	4ACSR	7.50Y	125.0	0.03	0.99	3.69	2	24	14	86	0.01	0.0	5.333	0.188	0	0	0	12
PL.30855	PL.14879	C	4ACSR	7.50Y	125.0	0.00	0.99	0.45	0	3	2	83	0.00	0.0	5.334	0.001	0	0	0	1
PD.3779	PL.30855	C	fuse6AMP	7.50Y	125.0	0.00	0.99	0.45	8	3	2	83	0.00	0.0	5.334	0.000	0	0	0	1
PL.30856	PD.3779	C	4ACSR	7.50Y	125.0	0.00	0.99	0.45	0	3	2	83	0.00	0.0	5.361	0.027	0	0	0	1
028524	PL.30856	C	Consumer	7.50Y	125.0	0.00	0.99	0.00	0	0	0	100	0.00	0.0	5.361	0.000	0	0	0	0
028525	PL.30856	C	Consumer	7.50Y	125.0	0.00	0.99	0.45	0	3	2	83	0.00	0.0	5.361	0.000	3	2	1	1
PL.14880	PL.14879	C	4ACSR	7.50Y	125.0	0.01	1.00	3.24	2	21	12	87	0.00	0.0	5.411	0.078	0	0	0	11
PL.30863	PL.14880	C	4ACSR	7.50Y	125.0	0.00	1.00	0.00	0	0	0	100	0.00	0.0	5.411	0.000	0	0	0	0
PD.3780	PL.30863	C	fuse6AMP	7.50Y	125.0	0.00	1.00	0.00	0	0	0	100	0.00	0.0	5.411	0.000	0	0	0	0
PL.30864	PD.3780	C	4ACSR	7.50Y	125.0	0.00	1.00	0.00	0	0	0	100	0.00	0.0	5.461	0.049	0	0	0	0
PL.19336	PL.14880	C	4ACSR	7.50Y	125.0	0.01	1.01	2.60	1	17	10	86	0.00	0.0	5.480	0.069	0	0	0	10
PL.19337	PL.19336	C	4ACSR	7.50Y	125.0	0.00	1.02	1.82	1	12	7	86	0.00	0.0	5.523	0.044	0	0	0	8
028518	PL.19337	C	Consumer	7.50Y	125.0	0.00	1.02	0.36	0	2	1	89	0.00	0.0	5.523	0.000	2	1	1	1
PL.5795	PL.19337	C	4ACSR	7.50Y	125.0	0.01	1.02	1.46	1	9	5	87	0.00	0.0	5.600	0.077	0	0	0	7
PL.14881	PL.5795	C	4ACSR	7.50Y	125.0	0.00	1.02	1.30	1	8	5	85	0.00	0.0	5.640	0.040	0	0	0	6
028514	PL.14881	C	Consumer	7.50Y	125.0	0.00	1.02	0.30	0	2	1	89	0.00	0.0	5.640	0.000	2	1	1	1
PL.14882	PL.14881	C	4ACSR	7.50Y	125.0	0.00	1.03	0.67	0	4	2	89	0.00	0.0	5.696	0.055	0	0	0	3
PL.27819	PL.14882	C	4ACSR	7.50Y	125.0	0.00	1.03	0.67	0	4	2	89	0.00	0.0	5.800	0.104	0	0	0	3
PL.27820	PL.27819	C	4ACSR	7.50Y	125.0	0.00	1.03	0.53	0	3	2	83	0.00	0.0	5.910	0.110	0	0	0	2
PL.8572	PL.27820	C	4ACSR	7.50Y	125.0	0.00	1.03	0.53	0	3	2	83	0.00	0.0	6.030	0.120	0	0	0	2
PL.19577	PL.8572	C	4ACSR	7.50Y	125.0	0.00	1.04	0.53	0	3	2	83	0.00	0.0	6.078	0.048	0	0	0	2
PL.19578	PL.19577	C	4ACSR	7.50Y	125.0	0.00	1.04	0.13	0	1	0	100	0.00	0.0	6.141	0.062	0	0	0	1

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Unbalanced Voltage Drop Report
Source: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
028602	PL.19578	C	Consumer	7.50Y	125.0	0.00	1.04	0.00	0	0	0	100	0.00	0.0	6.141	0.000	0	0	0	0
028601	PL.19578	C	Consumer	7.50Y	125.0	0.00	1.04	0.13	0	1	0	100	0.00	0.0	6.141	0.000	1	0	1	1
PL.40280	PL.19577	C	2ACSR	7.50Y	125.0	0.00	1.04	0.40	0	3	2	83	0.00	0.0	6.085	0.006	0	0	0	1
PD.7133	PL.40280	C	fuse6AMP	7.50Y	125.0	0.00	1.04	0.40	7	3	2	83	0.00	0.0	6.085	0.000	0	0	0	1
PL.40281	PD.7133	C	2ACSR	7.50Y	125.0	0.00	1.04	0.40	0	3	2	83	0.00	0.0	6.120	0.035	0	0	0	1
0286006	PL.40281	C	Consumer	7.50Y	125.0	0.00	1.04	0.40	0	3	2	83	0.00	0.0	6.120	0.000	3	2	1	1
028512	PL.27819	C	Consumer	7.50Y	125.0	0.00	1.03	0.13	0	1	1	71	0.00	0.0	5.800	0.000	1	1	1	1
PL.20705	PL.14881	C	4ACSR	7.50Y	125.0	0.00	1.02	0.33	0	2	1	89	0.00	0.0	5.665	0.024	0	0	0	2
PD.3085	PL.20705	C	fuse6AMP	7.50Y	125.0	0.00	1.02	0.33	6	2	1	89	0.00	0.0	5.665	0.000	0	0	0	2
PL.20706	PD.3085	C	4ACSR	7.50Y	125.0	0.00	1.02	0.33	0	2	1	89	0.00	0.0	5.692	0.027	0	0	0	2
PL.8576	PL.20706	C	4ACSR	7.50Y	125.0	0.00	1.03	0.33	0	2	1	89	0.00	0.0	5.761	0.069	0	0	0	2
PL.1493	PL.8576	C	4ACSR	7.50Y	125.0	0.00	1.03	0.33	0	2	1	89	0.00	0.0	5.781	0.020	0	0	0	2
PL.1982	PL.1493	C	4ACSR	7.50Y	125.0	0.00	1.03	0.33	0	2	1	89	0.00	0.0	5.909	0.128	0	0	0	2
PL.1983	PL.1982	C	4ACSR	7.50Y	125.0	0.00	1.03	0.33	0	2	1	89	0.00	0.0	6.017	0.108	0	0	0	2
028605	PL.1983	C	Consumer	7.50Y	125.0	0.00	1.03	0.00	0	0	0	100	0.00	0.0	6.017	0.000	0	0	1	1
028604	PL.1983	C	Consumer	7.50Y	125.0	0.00	1.03	0.33	0	2	1	89	0.00	0.0	6.017	0.000	2	1	1	1
028517	PL.5795	C	Consumer	7.50Y	125.0	0.00	1.02	0.16	0	1	1	71	0.00	0.0	5.600	0.000	1	1	1	1
028526	PL.19336	C	Consumer	7.50Y	125.0	0.00	1.01	0.48	0	3	2	83	0.00	0.0	5.480	0.000	3	2	1	1
028511	PL.19336	C	Consumer	7.50Y	125.0	0.00	1.01	0.29	0	2	1	89	0.00	0.0	5.480	0.000	2	1	1	1
028528	PL.14880	C	Consumer	7.50Y	125.0	0.00	1.00	0.64	0	4	2	89	0.00	0.0	5.411	0.000	4	2	1	1
PL.23820	PD.3778	C	4ACSR	7.50Y	125.0	0.00	0.96	0.07	0	0	0	100	0.00	0.0	5.208	0.064	0	0	0	1
029514	PL.23820	C	Consumer	7.50Y	125.0	0.00	0.96	0.07	0	0	0	100	0.00	0.0	5.208	0.000	0	0	1	1
029509	PL.18779	C	Consumer	7.50Y	125.1	0.00	0.92	0.07	0	0	0	100	0.00	0.0	4.944	0.000	0	0	1	1
029505	PL.20687	B	Consumer	7.46Y	124.3	0.00	1.69	0.19	0	1	1	71	0.00	0.0	4.580	0.000	1	1	1	1
080514	PL.19846	B	Consumer	7.46Y	124.3	0.00	1.68	0.00	0	0	0	100	0.00	0.0	4.438	0.000	0	0	0	0
080517	PL.19144	B	Consumer	7.46Y	124.3	0.00	1.67	0.06	0	0	0	100	0.00	0.0	4.215	0.000	0	0	1	1
PL.26798	PL.14876	C	4ACSR	7.51Y	125.2	0.00	0.83	0.09	0	1	0	100	0.00	0.0	4.207	0.021	0	0	0	1
PD.2022	PL.26798	C	fuse6AMP	7.51Y	125.2	0.00	0.83	0.09	1	1	0	100	0.00	0.0	4.207	0.000	0	0	0	1
PL.26799	PD.2022	C	4ACSR	7.51Y	125.2	0.00	0.83	0.09	0	1	0	100	0.00	0.0	4.280	0.074	0	0	0	1
080521	PL.26799	C	Consumer	7.51Y	125.2	0.00	0.83	0.09	0	1	0	100	0.00	0.0	4.280	0.000	1	0	1	1
PL.27614	PL.15028	C	4ACSR	7.51Y	125.2	0.00	0.80	0.00	0	0	0	100	0.00	0.0	3.948	0.021	0	0	0	0
PD.2020	PL.27614	C	fuse6AMP	7.51Y	125.2	0.00	0.80	0.00	0	0	0	100	0.00	0.0	3.948	0.000	0	0	0	0
PL.27615	PD.2020	C	4ACSR	7.51Y	125.2	0.00	0.80	0.00	0	0	0	100	0.00	0.0	4.128	0.180	0	0	0	0
PL.26800	PL.15028	C	4ACSR	7.51Y	125.2	0.00	0.80	0.03	0	0	0	100	0.00	0.0	3.953	0.027	0	0	0	1
PD.2019	PL.26800	C	fuse6AMP	7.51Y	125.2	0.00	0.80	0.03	0	0	0	100	0.00	0.0	3.953	0.000	0	0	0	1
PL.26801	PD.2019	C	4ACSR	7.51Y	125.2	0.00	0.80	0.03	0	0	0	100	0.00	0.0	4.052	0.099	0	0	0	1
080520	PL.26801	C	Consumer	7.51Y	125.2	0.00	0.80	0.03	0	0	0	100	0.00	0.0	4.052	0.000	0	0	1	1
081513	PL.7640	C	Consumer	7.51Y	125.2	0.00	0.75	0.11	0	1	0	100	0.00	0.0	3.670	0.000	1	0	1	1

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Unbalanced Voltage Drop Report
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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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
	PL.15026	PL.14226	B	4ACSR	7.46Y	124.4	0.02	1.65	12.31	6	80	46	87	0.01	0.0	3.517	0.026	0	0	0	48	
	PD.577-A	PL.15026	B	Closed	7.46Y	124.4	0.00	1.65	12.31	0	80	46	87	0.00	0.0	3.517	0.000	0	0	0	48	
	PD.577-B	PD.577-A	B	Closed	7.46Y	124.4	0.00	1.65	12.31	0	80	46	87	0.00	0.0	3.517	0.000	0	0	0	48	
	PL.15027	PD.577-B	B	4ACSR	7.46Y	124.3	0.04	1.68	12.31	6	80	46	87	0.02	0.0	3.580	0.063	0	0	0	48	
	PL.30895	PL.15027	B	4ACSR	7.46Y	124.3	0.01	1.69	11.40	6	74	42	87	0.00	0.0	3.594	0.013	0	0	0	44	
C	PD.3803	PL.30895	B	fuse6AMP	7.46Y	124.3	0.00	1.69	11.40	195	74	42	87	0.00	0.0	3.594	0.000	0	0	0	44	C
	PL.30897	PD.3803	B	4ACSR	7.46Y	124.3	0.04	1.73	11.40	6	74	42	87	0.02	0.0	3.669	0.075	0	0	0	44	
C	PD.3804	PL.30897	B	fuse6AMP	7.46Y	124.3	0.00	1.73	11.40	195	74	42	87	0.00	0.0	3.669	0.000	0	0	0	44	C
	PL.30898	PD.3804	B	4ACSR	7.46Y	124.3	0.00	1.73	11.40	6	74	42	87	0.00	0.0	3.670	0.001	0	0	0	44	
	PL.5201	PL.30898	B	4ACSR	7.46Y	124.3	0.00	1.73	0.20	0	1	1	71	0.00	0.0	3.725	0.055	0	0	0	2	
	081411	PL.5201	B	Consumer	7.46Y	124.3	0.00	1.73	0.00	0	0	0	100	0.00	0.0	3.725	0.000	0	0	1	1	
	081425	PL.5201	B	Consumer	7.46Y	124.3	0.00	1.73	0.19	0	1	1	71	0.00	0.0	3.725	0.000	1	1	1	1	
	PL.17474	PL.30898	B	4ACSR	7.45Y	124.2	0.06	1.79	11.21	6	72	42	86	0.03	0.0	3.785	0.116	0	0	0	42	
	081409	PL.17474	B	Consumer	7.45Y	124.2	0.00	1.79	0.00	0	0	0	100	0.00	0.0	3.785	0.000	0	0	0	0	
	081424	PL.17474	B	Consumer	7.45Y	124.2	0.00	1.79	0.23	0	1	1	71	0.00	0.0	3.785	0.000	1	1	1	1	
	081421	PL.17474	B	Consumer	7.45Y	124.2	0.00	1.79	0.00	0	0	0	100	0.00	0.0	3.785	0.000	0	0	0	0	
	081418	PL.17474	B	Consumer	7.45Y	124.2	0.00	1.79	0.32	0	2	1	89	0.00	0.0	3.785	0.000	2	1	1	1	
	PL.20216	PL.17474	B	4ACSR	7.45Y	124.2	0.00	1.79	10.65	5	69	40	87	0.00	0.0	3.791	0.005	0	0	0	40	
	PD.3452	PL.20216	B	35V4E	7.45Y	124.2	0.00	1.79	10.65	30	69	40	87	0.00	0.0	3.791	0.000	0	0	0	40	
	PL.20217	PD.3452	B	4ACSR	7.45Y	124.2	0.05	1.84	10.65	5	69	40	87	0.03	0.0	3.887	0.096	0	0	0	40	
	PL.19944	PL.20217	B	4ACSR	7.45Y	124.1	0.06	1.89	10.65	5	69	40	87	0.03	0.0	3.999	0.112	0	0	0	39	
	PL.14572	PL.19944	B	4ACSR	7.44Y	124.0	0.11	2.01	10.65	5	69	40	87	0.06	0.1	4.223	0.224	0	0	0	39	
	PL.14573	PL.14572	B	4ACSR	7.43Y	123.9	0.08	2.09	10.08	5	65	38	86	0.04	0.1	4.395	0.172	0	0	0	35	
	080405	PL.14573	B	Consumer	7.43Y	123.9	0.00	2.09	0.03	0	0	0	100	0.00	0.0	4.395	0.000	0	0	1	1	
	PL.7642	PL.14573	B	4ACSR	7.43Y	123.9	0.04	2.13	10.05	5	65	37	87	0.02	0.0	4.478	0.084	0	0	0	34	
	PL.7641	PL.7642	B	4ACSR	7.43Y	123.9	0.02	2.15	10.05	5	65	37	87	0.01	0.0	4.527	0.048	0	0	0	34	
	PL.18710	PL.7641	B	4ACSR	7.43Y	123.8	0.04	2.18	8.00	4	51	30	86	0.01	0.0	4.621	0.094	0	0	0	29	
	PL.19665	PL.18710	B	4ACSR	7.43Y	123.8	0.01	2.19	7.69	4	49	29	86	0.00	0.0	4.650	0.029	0	0	0	27	
	PL.19666	PL.19665	B	4ACSR	7.43Y	123.8	0.01	2.20	7.69	4	49	29	86	0.00	0.0	4.667	0.017	0	0	0	27	
	PL.15368	PL.19666	B	4ACSR	7.43Y	123.8	0.01	2.21	7.26	4	47	27	87	0.00	0.0	4.687	0.020	0	0	0	26	
	PL.30903	PL.15368	B	4ACSR	7.43Y	123.8	0.00	2.21	0.15	0	1	1	71	0.00	0.0	4.700	0.013	0	0	0	1	
	PD.3808	PL.30903	B	fuse6AMP	7.43Y	123.8	0.00	2.21	0.15	2	1	1	71	0.00	0.0	4.700	0.000	0	0	0	1	
	PL.30904	PD.3808	B	4ACSR	7.43Y	123.8	0.00	2.21	0.15	0	1	1	71	0.00	0.0	4.744	0.044	0	0	0	1	
	080428	PL.30904	B	Consumer	7.43Y	123.8	0.00	2.21	0.15	0	1	1	71	0.00	0.0	4.744	0.000	1	1	1	1	
	PL.42302	PL.15368	B	4ACSR	7.43Y	123.8	0.01	2.22	6.96	4	45	26	87	0.00	0.0	4.726	0.039	0	0	0	23	
	PD.7683-A	PL.42302	B	Closed	7.43Y	123.8	0.00	2.22	6.96	0	45	26	87	0.00	0.0	4.726	0.000	0	0	0	23	
	PD.7683-B	PD.7683-A	B	Closed	7.43Y	123.8	0.00	2.22	6.96	0	45	26	87	0.00	0.0	4.726	0.000	0	0	0	23	
	PL.42303	PD.7683-B	B	4ACSR	7.43Y	123.8	0.01	2.23	6.96	4	45	26	87	0.00	0.0	4.745	0.019	0	0	0	23	

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Unbalanced Voltage Drop Report
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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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.15367	PL.42303	B	4ACSR	7.42Y	123.7	0.03	2.25	6.14	3	40	23	87	0.01	0.0	4.837	0.092	0	0	0	20
PL.1488	PL.15367	B	4ACSR	7.42Y	123.7	0.00	2.25	0.00	0	0	0	100	0.00	0.0	4.837	0.000	0	0	0	0
PL.5794	PL.15367	B	4ACSR	7.42Y	123.7	0.01	2.26	6.14	3	39	23	86	0.00	0.0	4.856	0.019	0	0	0	20
PL.15369	PL.5794	B	4ACSR	7.42Y	123.7	0.04	2.29	6.12	3	39	23	86	0.01	0.0	4.980	0.124	0	0	0	19
PL.30871	PL.15369	B	4ACSR	7.42Y	123.7	0.00	2.29	0.31	0	2	1	89	0.00	0.0	4.987	0.008	0	0	0	1
PD.3812	PL.30871	B	fuse6AMP	7.42Y	123.7	0.00	2.29	0.31	5	2	1	89	0.00	0.0	4.987	0.000	0	0	0	1
PL.30872	PD.3812	B	4ACSR	7.42Y	123.7	0.00	2.29	0.31	0	2	1	89	0.00	0.0	5.120	0.133	0	0	0	1
029403	PL.30872	B	Consumer	7.42Y	123.7	0.00	2.29	0.31	0	2	1	89	0.00	0.0	5.120	0.000	2	1	1	1
PL.19030	PL.15369	B	4ACSR	7.42Y	123.7	0.04	2.34	5.80	3	37	22	86	0.01	0.0	5.139	0.159	0	0	0	18
029406	PL.19030	B	Consumer	7.42Y	123.7	0.00	2.34	0.35	0	2	1	89	0.00	0.0	5.139	0.000	2	1	1	1
PL.19250	PL.19030	B	4ACSR	7.42Y	123.6	0.02	2.36	5.46	3	35	20	87	0.01	0.0	5.225	0.086	0	0	0	17
PL.30909	PL.19250	B	4ACSR	7.42Y	123.6	0.00	2.36	0.57	0	4	2	89	0.00	0.0	5.238	0.013	0	0	0	2
PD.3813	PL.30909	B	fuse6AMP	7.42Y	123.6	0.00	2.36	0.57	10	4	2	89	0.00	0.0	5.238	0.000	0	0	0	2
PL.30910	PD.3813	B	4ACSR	7.42Y	123.6	0.00	2.36	0.57	0	4	2	89	0.00	0.0	5.366	0.129	0	0	0	2
PL.1490	PL.30910	B	4ACSR	7.42Y	123.6	0.00	2.36	0.00	0	0	0	100	0.00	0.0	5.626	0.259	0	0	0	0
028420	PL.1490	B	Consumer	7.42Y	123.6	0.00	2.36	0.00	0	0	0	100	0.00	0.0	5.626	0.000	0	0	0	0
028402	PL.1490	B	Consumer	7.42Y	123.6	0.00	2.36	0.00	0	0	0	100	0.00	0.0	5.626	0.000	0	0	0	0
PL.41331	PL.1490	B	2ACSR	7.42Y	123.6	0.00	2.36	0.00	0	0	0	100	0.00	0.0	5.834	0.208	0	0	0	0
0284026	PL.41331	B	Consumer	7.42Y	123.6	0.00	2.36	0.00	0	0	0	100	0.00	0.0	5.834	0.000	0	0	0	0
029405	PL.30910	B	Consumer	7.42Y	123.6	0.00	2.36	0.34	0	2	1	89	0.00	0.0	5.366	0.000	2	1	1	1
029408	PL.30910	B	Consumer	7.42Y	123.6	0.00	2.36	0.22	0	1	1	71	0.00	0.0	5.366	0.000	1	1	1	1
PL.15370	PL.19250	B	4ACSR	7.42Y	123.6	0.03	2.39	4.89	3	31	18	86	0.01	0.0	5.377	0.153	0	0	0	15
PL.90	PL.15370	B	4ACSR	7.42Y	123.6	0.02	2.41	4.89	3	31	18	86	0.00	0.0	5.453	0.076	0	0	0	15
PL.23809	PL.90	B	4ACSR	7.42Y	123.6	0.00	2.41	0.00	0	0	0	100	0.00	0.0	5.457	0.003	0	0	0	0
PL.15371	PL.90	B	4ACSR	7.41Y	123.6	0.03	2.44	4.89	3	31	18	86	0.01	0.0	5.570	0.117	0	0	0	14
PL.15372	PL.15371	B	4ACSR	7.41Y	123.5	0.02	2.46	4.78	2	31	18	86	0.01	0.0	5.663	0.093	0	0	0	13
PL.18333	PL.15372	B	4ACSR	7.41Y	123.5	0.01	2.47	4.46	2	29	17	86	0.00	0.0	5.725	0.061	0	0	0	12
PL.18334	PL.18333	B	4ACSR	7.41Y	123.5	0.01	2.48	4.26	2	27	16	86	0.00	0.0	5.800	0.076	0	0	0	10
PL.18335	PL.18334	B	4ACSR	7.41Y	123.5	0.00	2.49	4.26	2	27	16	86	0.00	0.0	5.806	0.006	0	0	0	10
PD.231-A	PL.18335	B	Closed	7.41Y	123.5	0.00	2.49	4.26	0	27	16	86	0.00	0.0	5.806	0.000	0	0	0	10
PD.231-B	PD.231-A	B	Closed	7.41Y	123.5	0.00	2.49	4.26	0	27	16	86	0.00	0.0	5.806	0.000	0	0	0	10
PL.18336	PD.231-B	B	4ACSR	7.41Y	123.5	0.01	2.49	4.26	2	27	16	86	0.00	0.0	5.835	0.029	0	0	0	10
PL.30913	PL.18336	B	4ACSR	7.41Y	123.5	0.00	2.49	0.85	0	5	3	86	0.00	0.0	5.846	0.011	0	0	0	1
PD.3816	PL.30913	B	fuse6AMP	7.41Y	123.5	0.00	2.49	0.85	14	5	3	86	0.00	0.0	5.846	0.000	0	0	0	1
PL.30914	PD.3816	B	4ACSR	7.41Y	123.5	0.00	2.49	0.85	0	5	3	86	0.00	0.0	5.905	0.059	0	0	0	1
PL.23813	PL.30914	B	4ACSR	7.41Y	123.5	0.00	2.50	0.85	0	5	3	86	0.00	0.0	5.981	0.076	0	0	0	1
028313	PL.23813	B	Consumer	7.41Y	123.5	0.00	2.50	0.00	0	0	0	100	0.00	0.0	5.981	0.000	0	0	0	0
028311	PL.23813	B	Consumer	7.41Y	123.5	0.00	2.50	0.85	0	5	3	86	0.00	0.0	5.981	0.000	5	3	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: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.15373	PL.18336	B	4ACSR	7.41Y	123.5	0.01	2.51	3.41	2	22	13	86	0.00	0.0	5.923	0.088	0	0	0	9
PL.5786	PL.15373	B	4ACSR	7.41Y	123.5	0.03	2.53	2.96	2	19	11	87	0.00	0.0	6.105	0.181	0	0	0	6
028303	PL.5786	B	Consumer	7.41Y	123.5	0.00	2.53	0.51	0	3	2	83	0.00	0.0	6.105	0.000	3	2	1	1
028308	PL.5786	B	Consumer	7.41Y	123.5	0.00	2.53	0.08	0	1	0	100	0.00	0.0	6.105	0.000	1	0	1	1
PL.5788	PL.5786	B	4ACSR	7.41Y	123.5	0.02	2.55	2.37	1	15	9	86	0.00	0.0	6.249	0.145	0	0	0	4
PL.17708	PL.5788	B	4ACSR	7.41Y	123.4	0.02	2.57	2.37	1	15	9	86	0.00	0.0	6.467	0.218	0	0	0	4
PL.19078	PL.17708	B	4ACSR	7.41Y	123.4	0.00	2.57	1.59	1	10	6	86	0.00	0.0	6.519	0.052	0	0	0	3
028312	PL.19078	B	Consumer	7.41Y	123.4	0.00	2.57	0.85	0	5	3	86	0.00	0.0	6.519	0.000	5	3	1	1
PL.19079	PL.19078	B	4ACSR	7.41Y	123.4	0.00	2.58	0.73	0	5	3	86	0.00	0.0	6.555	0.037	0	0	0	2
PL.19080	PL.19079	B	4ACSR	7.41Y	123.4	0.00	2.58	0.46	0	3	2	83	0.00	0.0	6.689	0.134	0	0	0	1
027311	PL.19080	B	Consumer	7.41Y	123.4	0.00	2.58	0.46	0	3	2	83	0.00	0.0	6.689	0.000	3	2	1	1
027318	PL.19080	B	Consumer	7.41Y	123.4	0.00	2.58	0.00	0	0	0	100	0.00	0.0	6.689	0.000	0	0	0	0
027320	PL.19079	B	Consumer	7.41Y	123.4	0.00	2.58	0.27	0	2	1	89	0.00	0.0	6.555	0.000	2	1	1	1
PL.30915	PL.17708	B	4ACSR	7.41Y	123.4	0.00	2.57	0.79	0	5	3	86	0.00	0.0	6.473	0.006	0	0	0	1
PD.3817	PL.30915	B	fuse6AMP	7.41Y	123.4	0.00	2.57	0.79	13	5	3	86	0.00	0.0	6.473	0.000	0	0	0	1
PL.30916	PD.3817	B	4ACSR	7.41Y	123.4	0.00	2.57	0.79	0	5	3	86	0.00	0.0	6.515	0.043	0	0	0	1
028318	PL.30916	B	Consumer	7.41Y	123.4	0.00	2.57	0.79	0	5	3	86	0.00	0.0	6.515	0.000	5	3	1	1
028317	PL.15373	B	Consumer	7.41Y	123.5	0.00	2.51	0.16	0	1	1	71	0.00	0.0	5.923	0.000	1	1	1	1
028304	PL.15373	B	Consumer	7.41Y	123.5	0.00	2.51	0.21	0	1	1	71	0.00	0.0	5.923	0.000	1	1	1	1
028305	PL.15373	B	Consumer	7.41Y	123.5	0.00	2.51	0.08	0	1	0	100	0.00	0.0	5.923	0.000	1	0	1	1
028306	PL.18333	B	Consumer	7.41Y	123.5	0.00	2.47	0.15	0	1	1	71	0.00	0.0	5.725	0.000	1	1	1	1
028316	PL.18333	B	Consumer	7.41Y	123.5	0.00	2.47	0.05	0	0	0	100	0.00	0.0	5.725	0.000	0	0	1	1
028314	PL.15372	B	Consumer	7.41Y	123.5	0.00	2.46	0.32	0	2	1	89	0.00	0.0	5.663	0.000	2	1	1	1
PL.30873	PL.15371	B	4ACSR	7.41Y	123.6	0.00	2.44	0.11	0	1	0	100	0.00	0.0	5.582	0.011	0	0	0	1
PD.3815	PL.30873	B	fuse6AMP	7.41Y	123.6	0.00	2.44	0.11	2	1	0	100	0.00	0.0	5.582	0.000	0	0	0	1
PL.30874	PD.3815	B	4ACSR	7.41Y	123.6	0.00	2.44	0.11	0	1	0	100	0.00	0.0	5.639	0.058	0	0	0	1
028307	PL.30874	B	Consumer	7.41Y	123.6	0.00	2.44	0.11	0	1	0	100	0.00	0.0	5.639	0.000	1	0	1	1
PL.23811	PL.90	B	4ACSR	7.42Y	123.6	0.00	2.41	0.00	0	0	0	100	0.00	0.0	5.456	0.003	0	0	0	0
PL.30911	PL.90	B	4ACSR	7.42Y	123.6	0.00	2.41	0.00	0	0	0	100	0.00	0.0	5.466	0.012	0	0	0	1
PD.3814	PL.30911	B	fuse6AMP	7.42Y	123.6	0.00	2.41	0.00	0	0	0	100	0.00	0.0	5.466	0.000	0	0	0	1
PL.30912	PD.3814	B	4ACSR	7.42Y	123.6	0.00	2.41	0.00	0	0	0	100	0.00	0.0	5.529	0.063	0	0	0	1
028403	PL.30912	B	Consumer	7.42Y	123.6	0.00	2.41	0.00	0	0	0	100	0.00	0.0	5.529	0.000	0	0	1	1
029407	PL.5794	B	Consumer	7.42Y	123.7	0.00	2.26	0.03	0	0	0	100	0.00	0.0	4.856	0.000	0	0	1	1
PL.30907	PL.42303	B	4ACSR	7.43Y	123.8	0.00	2.23	0.61	0	4	2	89	0.00	0.0	4.763	0.018	0	0	0	1
PD.3811	PL.30907	B	fuse6AMP	7.43Y	123.8	0.00	2.23	0.61	10	4	2	89	0.00	0.0	4.763	0.000	0	0	0	1
PL.30908	PD.3811	B	4ACSR	7.43Y	123.8	0.00	2.23	0.61	0	4	2	89	0.00	0.0	4.799	0.037	0	0	0	1
PL.8353	PL.30908	B	4ACSR	7.43Y	123.8	0.00	2.23	0.00	0	0	0	100	0.00	0.0	4.819	0.019	0	0	0	0
080422	PL.30908	B	Consumer	7.43Y	123.8	0.00	2.23	0.61	0	4	2	89	0.00	0.0	4.799	0.000	4	2	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: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.30905	PL.42303	B	4ACSR	7.43Y	123.8	0.00	2.23	0.21	0	1	1	71	0.00	0.0	4.759	0.014	0	0	0	2
PD.3810	PL.30905	B	fuse6AMP	7.43Y	123.8	0.00	2.23	0.21	4	1	1	71	0.00	0.0	4.759	0.000	0	0	0	2
PL.30906	PD.3810	B	4ACSR	7.43Y	123.8	0.00	2.23	0.21	0	1	1	71	0.00	0.0	4.895	0.136	0	0	0	2
080412	PL.30906	B	Consumer	7.43Y	123.8	0.00	2.23	0.07	0	0	0	100	0.00	0.0	4.895	0.000	0	0	1	1
080423	PL.30906	B	Consumer	7.43Y	123.8	0.00	2.23	0.14	0	1	1	71	0.00	0.0	4.895	0.000	1	1	1	1
080402	PL.15368	B	Consumer	7.43Y	123.8	0.00	2.21	0.08	0	1	0	100	0.00	0.0	4.687	0.000	1	0	1	1
080411	PL.15368	B	Consumer	7.43Y	123.8	0.00	2.21	0.07	0	0	0	100	0.00	0.0	4.687	0.000	0	0	1	1
PL.30869	PL.19666	B	4ACSR	7.43Y	123.8	0.00	2.20	0.43	0	3	2	83	0.00	0.0	4.678	0.011	0	0	0	1
PD.3809	PL.30869	B	fuse6AMP	7.43Y	123.8	0.00	2.20	0.43	7	3	2	83	0.00	0.0	4.678	0.000	0	0	0	1
PL.30870	PD.3809	B	4ACSR	7.43Y	123.8	0.00	2.20	0.43	0	3	2	83	0.00	0.0	4.767	0.089	0	0	0	1
080425	PL.30870	B	Consumer	7.43Y	123.8	0.00	2.20	0.43	0	3	2	83	0.00	0.0	4.767	0.000	3	2	1	1
080416	PL.18710	B	Consumer	7.43Y	123.8	0.00	2.18	0.00	0	0	0	100	0.00	0.0	4.621	0.000	0	0	0	0
080408	PL.18710	B	Consumer	7.43Y	123.8	0.00	2.18	0.12	0	1	0	100	0.00	0.0	4.621	0.000	1	0	1	1
080424	PL.18710	B	Consumer	7.43Y	123.8	0.00	2.18	0.20	0	1	1	71	0.00	0.0	4.621	0.000	1	1	1	1
PL.30901	PL.7641	B	4ACSR	7.43Y	123.9	0.00	2.15	2.06	1	13	8	85	0.00	0.0	4.538	0.011	0	0	0	5
PD.3807	PL.30901	B	fuse6AMP	7.43Y	123.9	0.00	2.15	2.06	35	13	8	85	0.00	0.0	4.538	0.000	0	0	0	5
PL.30902	PD.3807	B	4ACSR	7.43Y	123.8	0.01	2.16	2.06	1	13	8	85	0.00	0.0	4.608	0.070	0	0	0	5
PL.5204	PL.30902	B	4ACSR	7.43Y	123.8	0.00	2.16	0.05	0	0	0	100	0.00	0.0	4.667	0.059	0	0	0	1
PL.5205	PL.5204	B	4ACSR	7.43Y	123.8	0.00	2.16	0.05	0	0	0	100	0.00	0.0	4.724	0.057	0	0	0	1
080409	PL.5205	B	Consumer	7.43Y	123.8	0.00	2.16	0.05	0	0	0	100	0.00	0.0	4.724	0.000	0	0	1	1
080421	PL.30902	B	Consumer	7.43Y	123.8	0.00	2.16	1.02	0	7	4	87	0.00	0.0	4.608	0.000	7	4	1	1
080420	PL.30902	B	Consumer	7.43Y	123.8	0.00	2.16	0.72	0	5	3	86	0.00	0.0	4.608	0.000	5	3	1	1
080418	PL.30902	B	Consumer	7.43Y	123.8	0.00	2.16	0.17	0	1	1	71	0.00	0.0	4.608	0.000	1	1	1	1
080419	PL.30902	B	Consumer	7.43Y	123.8	0.00	2.16	0.09	0	1	0	100	0.00	0.0	4.608	0.000	1	0	1	1
PL.5202	PL.14572	B	4ACSR	7.44Y	124.0	0.00	2.01	0.12	0	1	0	100	0.00	0.0	4.352	0.130	0	0	0	2
081422	PL.5202	B	Consumer	7.44Y	124.0	0.00	2.01	0.11	0	1	0	100	0.00	0.0	4.352	0.000	1	0	1	1
081419	PL.5202	B	Consumer	7.44Y	124.0	0.00	2.01	0.02	0	0	0	100	0.00	0.0	4.352	0.000	0	0	1	1
PL.30899	PL.14572	B	4ACSR	7.44Y	124.0	0.00	2.01	0.44	0	3	2	83	0.00	0.0	4.224	0.002	0	0	0	2
PD.3805	PL.30899	B	fuse6AMP	7.44Y	124.0	0.00	2.01	0.44	8	3	2	83	0.00	0.0	4.224	0.000	0	0	0	2
PL.30900	PD.3805	B	4ACSR	7.44Y	124.0	0.00	2.01	0.44	0	3	2	83	0.00	0.0	4.243	0.019	0	0	0	2
PL.30868	PL.30900	B	4ACSR	7.44Y	124.0	0.00	2.01	0.44	0	3	2	83	0.00	0.0	4.277	0.035	0	0	0	2
PL.21299	PL.30868	B	4ACSR	7.44Y	124.0	0.00	2.01	0.44	0	3	2	83	0.00	0.0	4.311	0.034	0	0	0	2
PL.21226	PL.21299	B	4ACSR	7.44Y	124.0	0.00	2.01	0.08	0	1	0	100	0.00	0.0	4.406	0.095	0	0	0	1
080410	PL.21226	B	Consumer	7.44Y	124.0	0.00	2.01	0.08	0	1	0	100	0.00	0.0	4.406	0.000	1	0	1	1
080426	PL.21299	B	Consumer	7.44Y	124.0	0.00	2.01	0.36	0	2	1	89	0.00	0.0	4.311	0.000	2	1	1	1
PL.21297	PL.30868	B	4ACSR	7.44Y	124.0	0.00	2.01	0.00	0	0	0	100	0.00	0.0	4.342	0.065	0	0	0	0
080407	PL.21297	B	Consumer	7.44Y	124.0	0.00	2.01	0.00	0	0	0	100	0.00	0.0	4.342	0.000	0	0	0	0
081403	PL.20217	B	Consumer	7.45Y	124.2	0.00	1.84	0.01	0	0	0	100	0.00	0.0	3.887	0.000	0	0	1	1

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

Unbalanced Voltage Drop Report
Source: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.5200	PL.15027	B	4ACSR	7.46Y	124.3	0.01	1.69	0.91	0	6	3	89	0.00	0.0	3.737	0.157	0	0	0	3
081417	PL.5200	B	Consumer	7.46Y	124.3	0.00	1.69	0.74	0	5	3	86	0.00	0.0	3.737	0.000	5	3	1	1
081406	PL.5200	B	Consumer	7.46Y	124.3	0.00	1.69	0.09	0	1	0	100	0.00	0.0	3.737	0.000	1	0	1	1
081405	PL.5200	B	Consumer	7.46Y	124.3	0.00	1.69	0.08	0	1	0	100	0.00	0.0	3.737	0.000	1	0	1	1
081420	PL.15027	B	Consumer	7.46Y	124.3	0.00	1.68	0.00	0	0	0	100	0.00	0.0	3.580	0.000	0	0	1	1
0824023	PL.19142	B	Consumer	7.49Y	124.8	0.00	1.15	0.00	0	0	0	100	0.00	0.0	1.809	0.000	0	0	0	0
082419	PL.19142	B	Consumer	7.49Y	124.8	0.00	1.15	0.00	0	0	0	100	0.00	0.0	1.809	0.000	0	0	1	1
082418	PL.19141	B	Consumer	7.49Y	124.9	0.00	1.14	0.66	0	4	2	89	0.00	0.0	1.765	0.000	4	2	1	1
PL.14839	PL.402	A	4ACSR	7.56Y	126.1	0.00	-0.08	0.00	0	0	0	100	0.01	0.0	1.595	0.010	0	0	0	0
		B		7.49Y	124.9	0.01	1.12	25.26	13	166	92	87					0	0	0	108
		C		7.54Y	125.6	-0.00	0.41	0.00	0	0	0	100					0	0	0	0
PD.575-A	PL.14839	A	Closed	7.56Y	126.1	0.00	-0.08	0.00	0	0	0	100	0.00	0.0	1.595	0.000	0	0	0	0
		B		7.49Y	124.9	0.00	1.12	25.26	0	166	92	87					0	0	0	108
		C		7.54Y	125.6	0.00	0.41	0.00	0	0	0	100					0	0	0	0
PD.575-B	PD.575-A	A	Closed	7.56Y	126.1	0.00	-0.08	0.00	0	0	0	100	0.00	0.0	1.595	0.000	0	0	0	0
		B		7.49Y	124.9	0.00	1.12	25.26	0	166	92	87					0	0	0	108
		C		7.54Y	125.6	0.00	0.41	0.00	0	0	0	100					0	0	0	0
PL.14840	PD.575-B	A	4ACSR	7.56Y	126.1	0.00	-0.08	0.00	0	0	0	100	0.13	0.1	1.679	0.085	0	0	0	0
		B		7.49Y	124.8	0.10	1.22	25.26	13	166	92	87					0	0	0	108
		C		7.54Y	125.6	-0.02	0.39	0.00	0	0	0	100					0	0	0	0
PL.26487	PL.14840	A	4ACSR	7.56Y	126.1	0.00	-0.07	0.00	0	0	0	100	0.13	0.1	1.767	0.088	0	0	0	0
		B		7.48Y	124.7	0.10	1.32	25.26	13	165	92	87					0	0	0	108
		C		7.54Y	125.6	-0.02	0.37	0.00	0	0	0	100					0	0	0	0
PL.26488	PL.26487	A	4ACSR	7.56Y	126.1	0.00	-0.07	0.00	0	0	0	100	0.13	0.1	1.864	0.096	0	0	0	0
		B		7.47Y	124.6	0.11	1.42	23.76	12	156	86	88					0	0	0	102
		C		7.54Y	125.7	-0.02	0.34	0.00	0	0	0	100					0	0	0	0
PL.18467	PL.26488	B	4ACSR	7.47Y	124.6	0.01	1.43	23.76	12	155	86	87	0.01	0.0	1.869	0.005	0	0	0	102
PD.3450	PL.18467	B	0VXE	7.47Y	124.6	0.00	1.43	23.76	0	155	86	87	0.00	0.0	1.869	0.000	0	0	0	102
PL.18468	PD.3450	B	4ACSR	7.47Y	124.5	0.05	1.48	23.76	12	155	86	87	0.06	0.0	1.916	0.047	0	0	0	102
082502	PL.18468	B	Consumer	7.47Y	124.5	0.00	1.48	0.13	0	1	0	100	0.00	0.0	1.916	0.000	1	0	1	1
082557	PL.18468	B	Consumer	7.47Y	124.5	0.00	1.48	0.30	0	2	1	89	0.00	0.0	1.916	0.000	2	1	1	1
PL.8359	PL.18468	B	4ACSR	7.47Y	124.4	0.08	1.56	23.33	12	153	84	88	0.10	0.1	1.989	0.073	0	0	0	100
082559	PL.8359	B	Consumer	7.47Y	124.4	0.00	1.56	0.44	0	3	2	83	0.00	0.0	1.989	0.000	3	2	1	1
PL.26485	PL.8359	B	4ACSR	7.46Y	124.3	0.17	1.73	22.89	12	150	83	87	0.19	0.1	2.144	0.155	0	0	0	99
PL.14841	PL.26485	B	4ACSR	7.46Y	124.3	0.00	1.73	0.00	0	0	0	100	0.00	0.0	2.155	0.011	0	0	0	1
PD.1770	PL.14841	B	fuse6AMP	7.46Y	124.3	0.00	1.73	0.00	0	0	0	100	0.00	0.0	2.155	0.000	0	0	0	1
PL.14842	PD.1770	B	4ACSR	7.46Y	124.3	0.00	1.73	0.00	0	0	0	100	0.00	0.0	2.174	0.019	0	0	0	1
082550	PL.14842	B	Consumer	7.46Y	124.3	0.00	1.73	0.00	0	0	0	100	0.00	0.0	2.174	0.000	0	0	1	1
PL.26486	PL.26485	B	4ACSR	7.45Y	124.2	0.06	1.79	22.89	12	149	82	88	0.07	0.0	2.200	0.056	0	0	0	98
PL.26323	PL.26486	B	4ACSR	7.45Y	124.2	0.03	1.81	22.89	12	149	82	88	0.03	0.0	2.226	0.026	0	0	0	98
PL.16300	PL.26323	B	4ACSR	7.45Y	124.2	0.00	1.82	3.15	2	20	12	86	0.00	0.0	2.236	0.009	0	0	0	9
PD.2013	PL.16300	B	fuse6AMP	7.45Y	124.2	0.00	1.82	3.15	54	20	12	86	0.00	0.0	2.236	0.000	0	0	0	9
PL.19645	PD.2013	B	4ACSR	7.45Y	124.2	0.01	1.82	3.15	2	20	12	86	0.00	0.0	2.274	0.038	0	0	0	9
PL.19646	PL.19645	B	4ACSR	7.45Y	124.2	0.01	1.83	2.33	1	15	9	86	0.00	0.0	2.324	0.050	0	0	0	8

Unbalanced Voltage Drop Report
Source: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.5188	PL.19646	B	4ACSR	7.45Y	124.2	0.00	1.83	1.26	1	8	5	85	0.00	0.0	2.380	0.055	0	0	0	3
PL.5189	PL.5188	B	4ACSR	7.45Y	124.2	0.00	1.83	0.78	0	5	3	86	0.00	0.0	2.429	0.050	0	0	0	1
PL.5190	PL.5189	B	4ACSR	7.45Y	124.2	0.00	1.83	0.78	0	5	3	86	0.00	0.0	2.471	0.042	0	0	0	1
PL.5187	PL.5190	B	4ACSR	7.45Y	124.2	0.01	1.84	0.78	0	5	3	86	0.00	0.0	2.621	0.150	0	0	0	1
082540	PL.5187	B	Consumer	7.45Y	124.2	0.00	1.84	0.78	0	5	3	86	0.00	0.0	2.621	0.000	5	3	1	1
082510	PL.5188	B	Consumer	7.45Y	124.2	0.00	1.83	0.16	0	1	1	71	0.00	0.0	2.380	0.000	1	1	1	1
082548	PL.5188	B	Consumer	7.45Y	124.2	0.00	1.83	0.32	0	2	1	89	0.00	0.0	2.380	0.000	2	1	1	1
082531	PL.19646	B	Consumer	7.45Y	124.2	0.00	1.83	0.00	0	0	0	100	0.00	0.0	2.324	0.000	0	0	1	1
082516	PL.19646	B	Consumer	7.45Y	124.2	0.00	1.83	0.54	0	3	2	83	0.00	0.0	2.324	0.000	3	2	1	1
082532	PL.19646	B	Consumer	7.45Y	124.2	0.00	1.83	0.02	0	0	0	100	0.00	0.0	2.324	0.000	0	0	1	1
082519	PL.19646	B	Consumer	7.45Y	124.2	0.00	1.83	0.33	0	2	1	89	0.00	0.0	2.324	0.000	2	1	1	1
082515	PL.19646	B	Consumer	7.45Y	124.2	0.00	1.83	0.18	0	1	1	71	0.00	0.0	2.324	0.000	1	1	1	1
082543	PL.19645	B	Consumer	7.45Y	124.2	0.00	1.82	0.82	0	5	3	86	0.00	0.0	2.274	0.000	5	3	1	1
PL.26324	PL.26323	B	4ACSR	7.44Y	124.0	0.15	1.97	19.74	10	129	71	88	0.15	0.1	2.391	0.165	0	0	0	89
PL.16303	PL.26324	B	4ACSR	7.44Y	124.0	0.00	1.97	0.50	0	3	2	83	0.00	0.0	2.397	0.005	0	0	0	2
PD.1769	PL.16303	B	fuse6AMP	7.44Y	124.0	0.00	1.97	0.50	9	3	2	83	0.00	0.0	2.397	0.000	0	0	0	2
PL.16304	PD.1769	B	4ACSR	7.44Y	124.0	0.00	1.97	0.50	0	3	2	83	0.00	0.0	2.474	0.077	0	0	0	2
PL.24242	PL.16304	B	4ACSR	7.44Y	124.0	0.00	1.97	0.20	0	1	1	71	0.00	0.0	2.506	0.032	0	0	0	1
082536	PL.24242	B	Consumer	7.44Y	124.0	0.00	1.97	0.20	0	1	1	71	0.00	0.0	2.506	0.000	1	1	1	1
082503	PL.16304	B	Consumer	7.44Y	124.0	0.00	1.97	0.30	0	2	1	89	0.00	0.0	2.474	0.000	2	1	1	1
PL.26322	PL.26324	B	4ACSR	7.44Y	124.0	0.04	2.01	19.24	10	126	69	88	0.04	0.0	2.437	0.046	0	0	0	87
PL.26320	PL.26322	B	4ACSR	7.44Y	124.0	0.03	2.04	19.16	10	125	68	88	0.03	0.0	2.471	0.034	0	0	0	86
PL.16301	PL.26320	B	4ACSR	7.44Y	124.0	0.00	2.04	0.69	0	4	3	80	0.00	0.0	2.476	0.005	0	0	0	3
PD.1773	PL.16301	B	fuse6AMP	7.44Y	124.0	0.00	2.04	0.69	12	4	3	80	0.00	0.0	2.476	0.000	0	0	0	3
PL.16302	PD.1773	B	4ACSR	7.44Y	124.0	0.00	2.04	0.69	0	4	3	80	0.00	0.0	2.582	0.106	0	0	0	3
082512	PL.16302	B	Consumer	7.44Y	124.0	0.00	2.04	0.48	0	3	2	83	0.00	0.0	2.582	0.000	3	2	1	1
082527	PL.16302	B	Consumer	7.44Y	124.0	0.00	2.04	0.00	0	0	0	100	0.00	0.0	2.582	0.000	0	0	1	1
082511	PL.16302	B	Consumer	7.44Y	124.0	0.00	2.04	0.21	0	1	1	71	0.00	0.0	2.582	0.000	1	1	1	1
PL.26321	PL.26320	B	4ACSR	7.44Y	123.9	0.02	2.06	18.47	10	121	66	88	0.02	0.0	2.498	0.027	0	0	0	83
082505	PL.26321	B	Consumer	7.44Y	123.9	0.00	2.06	0.08	0	1	0	100	0.00	0.0	2.498	0.000	1	0	1	1
PL.19172	PL.26321	B	4ACSR	7.43Y	123.9	0.08	2.14	18.39	9	120	66	88	0.08	0.1	2.595	0.097	0	0	0	82
PL.45662	PL.19172	B	4ACSR	7.43Y	123.8	0.04	2.18	18.27	9	119	65	88	0.03	0.0	2.637	0.042	0	0	0	80
PL.45663	PL.45662	B	4ACSR	7.43Y	123.8	0.03	2.21	18.27	9	119	65	88	0.03	0.0	2.677	0.040	0	0	0	80
082537	PL.45663	B	Consumer	7.43Y	123.8	0.00	2.21	0.11	0	1	0	100	0.00	0.0	2.677	0.000	1	0	1	1
PL.26318	PL.45663	B	4ACSR	7.43Y	123.8	0.03	2.24	18.17	9	118	65	88	0.03	0.0	2.712	0.035	0	0	0	79
PL.16307	PL.26318	B	4ACSR	7.43Y	123.8	0.00	2.24	0.23	0	1	1	71	0.00	0.0	2.725	0.013	0	0	0	1
PD.1772	PL.16307	B	fuse6AMP	7.43Y	123.8	0.00	2.24	0.23	4	1	1	71	0.00	0.0	2.725	0.000	0	0	0	1
PL.16308	PD.1772	B	4ACSR	7.43Y	123.8	0.00	2.24	0.23	0	1	1	71	0.00	0.0	2.794	0.069	0	0	0	1

Unbalanced Voltage Drop Report
Source: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
082523	PL.16308	B	Consumer	7.43Y	123.8	0.00	2.24	0.23	0	1	1	71	0.00	0.0	2.794	0.000	1	1	1	1
082541	PL.26318	B	Consumer	7.43Y	123.8	0.00	2.24	0.19	0	1	1	71	0.00	0.0	2.712	0.000	1	1	1	1
PL.26319	PL.26318	B	4ACSR	7.42Y	123.7	0.03	2.27	17.75	9	116	63	88	0.03	0.0	2.748	0.036	0	0	0	77
PL.26317	PL.26319	B	4ACSR	7.42Y	123.7	0.00	2.27	17.41	9	114	62	88	0.00	0.0	2.749	0.001	0	0	0	75
PL.26316	PL.26317	B	4ACSR	7.42Y	123.7	0.04	2.32	17.41	9	114	62	88	0.04	0.0	2.805	0.055	0	0	0	75
PL.26633	PL.26316	B	4ACSR	7.42Y	123.6	0.04	2.36	17.20	9	112	61	88	0.04	0.0	2.860	0.055	0	0	0	72
PL.39581	PL.26633	B	2ACSR	7.42Y	123.6	0.00	2.36	0.01	0	0	0	100	0.00	0.0	2.914	0.054	0	0	0	1
0825060	PL.39581	B	Consumer	7.42Y	123.6	0.00	2.36	0.01	0	0	0	100	0.00	0.0	2.914	0.000	0	0	1	1
082509	PL.26633	B	Consumer	7.42Y	123.6	0.00	2.36	0.00	0	0	0	100	0.00	0.0	2.860	0.000	0	0	0	0
PL.7637	PL.26633	B	4ACSR	7.42Y	123.6	0.03	2.39	17.19	9	112	61	88	0.02	0.0	2.894	0.034	0	0	0	71
082544	PL.7637	B	Consumer	7.42Y	123.6	0.00	2.39	0.33	0	2	1	89	0.00	0.0	2.894	0.000	2	1	1	1
PL.26631	PL.7637	B	4ACSR	7.41Y	123.5	0.07	2.46	16.86	9	110	60	88	0.06	0.1	2.985	0.091	0	0	0	70
PL.26632	PL.26631	B	4ACSR	7.40Y	123.4	0.12	2.58	15.73	8	103	55	88	0.10	0.1	3.155	0.170	0	0	0	66
PL.26490	PL.26632	B	4ACSR	7.40Y	123.3	0.07	2.65	15.73	8	102	55	88	0.05	0.1	3.244	0.089	0	0	0	66
PL.16313	PL.26490	B	4ACSR	7.40Y	123.3	0.00	2.65	0.43	0	3	2	83	0.00	0.0	3.252	0.007	0	0	0	1
PD.2014	PL.16313	B	fuse6AMP	7.40Y	123.3	0.00	2.65	0.43	7	3	2	83	0.00	0.0	3.252	0.000	0	0	0	1
PL.16314	PD.2014	B	4ACSR	7.40Y	123.3	0.00	2.65	0.43	0	3	2	83	0.00	0.0	3.292	0.040	0	0	0	1
082514	PL.16314	B	Consumer	7.40Y	123.3	0.00	2.65	0.43	0	3	2	83	0.00	0.0	3.292	0.000	3	2	1	1
PL.20688	PL.26490	B	4ACSR	7.40Y	123.3	0.09	2.74	15.30	8	100	54	88	0.07	0.1	3.374	0.130	0	0	0	65
082555	PL.20688	B	Consumer	7.40Y	123.3	0.00	2.74	0.00	0	0	0	100	0.00	0.0	3.374	0.000	0	0	1	1
PL.20689	PL.20688	B	4ACSR	7.39Y	123.2	0.03	2.78	15.30	8	100	54	88	0.03	0.0	3.423	0.049	0	0	0	64
PL.38605	PL.20689	B	4ACSR	7.39Y	123.2	0.00	2.78	0.24	0	2	1	89	0.00	0.0	3.427	0.004	0	0	0	3
PD.2015	PL.38605	B	fuse6AMP	7.39Y	123.2	0.00	2.78	0.24	4	2	1	89	0.00	0.0	3.427	0.000	0	0	0	3
PL.38606	PD.2015	B	4ACSR	7.39Y	123.2	0.00	2.78	0.24	0	2	1	89	0.00	0.0	3.455	0.029	0	0	0	3
PL.5191	PL.38606	B	4ACSR	7.39Y	123.2	0.00	2.78	0.16	0	1	1	71	0.00	0.0	3.569	0.113	0	0	0	2
081505	PL.5191	B	Consumer	7.39Y	123.2	0.00	2.78	0.16	0	1	1	71	0.00	0.0	3.569	0.000	1	1	1	1
081510	PL.5191	B	Consumer	7.39Y	123.2	0.00	2.78	0.00	0	0	0	100	0.00	0.0	3.569	0.000	0	0	1	1
082507	PL.38606	B	Consumer	7.39Y	123.2	0.00	2.78	0.08	0	1	0	100	0.00	0.0	3.455	0.000	1	0	1	1
PL.26489	PL.20689	B	4ACSR	7.39Y	123.2	0.06	2.84	15.06	8	98	53	88	0.05	0.0	3.509	0.086	0	0	0	61
PL.16315	PL.26489	B	4ACSR	7.39Y	123.2	0.00	2.84	0.31	0	2	1	89	0.00	0.0	3.517	0.008	0	0	0	2
PD.2016	PL.16315	B	fuse6AMP	7.39Y	123.2	0.00	2.84	0.31	5	2	1	89	0.00	0.0	3.517	0.000	0	0	0	2
PL.16316	PD.2016	B	4ACSR	7.39Y	123.2	0.00	2.84	0.31	0	2	1	89	0.00	0.0	3.540	0.023	0	0	0	2
081512	PL.16316	B	Consumer	7.39Y	123.2	0.00	2.84	0.04	0	0	0	100	0.00	0.0	3.540	0.000	0	0	1	1
081508	PL.16316	B	Consumer	7.39Y	123.2	0.00	2.84	0.28	0	2	1	89	0.00	0.0	3.540	0.000	2	1	1	1
PL.16317	PL.26489	B	4ACSR	7.38Y	123.0	0.12	2.96	14.75	8	96	52	88	0.09	0.1	3.685	0.176	0	0	0	59
PD.576-A	PL.16317	B	Closed	7.38Y	123.0	0.00	2.96	14.75	0	96	52	88	0.00	0.0	3.685	0.000	0	0	0	59
PD.576-B	PD.576-A	B	Closed	7.38Y	123.0	0.00	2.96	14.75	0	96	52	88	0.00	0.0	3.685	0.000	0	0	0	59
PL.42764	PD.576-B	B	4ACSR	7.37Y	122.8	0.21	3.17	14.75	8	96	52	88	0.16	0.2	3.998	0.313	0	0	0	59

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: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.42767	PL.42764	B	2ACSR	7.37Y	122.8	0.07	3.24	14.75	6	96	51	88	0.05	0.1	4.137	0.139	0	0	0	59
PL.42769	PL.42767	B	2ACSR	7.36Y	122.7	0.03	3.28	14.75	6	96	51	88	0.02	0.0	4.206	0.069	0	0	0	59
081507	PL.42769	B	Consumer	7.36Y	122.7	0.00	3.28	0.02	0	0	0	100	0.00	0.0	4.206	0.000	0	0	1	1
081502	PL.42769	B	Consumer	7.36Y	122.7	0.00	3.28	0.11	0	1	0	100	0.00	0.0	4.206	0.000	1	0	1	1
081509	PL.42769	B	Consumer	7.36Y	122.7	0.00	3.28	0.31	0	2	1	89	0.00	0.0	4.206	0.000	2	1	1	1
PL.42774	PL.42769	B	2ACSR	7.36Y	122.7	0.05	3.33	14.30	6	93	50	88	0.03	0.0	4.310	0.104	0	0	0	56
PL.42773	PL.42774	B	2ACSR	7.36Y	122.7	0.00	3.33	0.45	0	3	2	83	0.00	0.0	4.391	0.081	0	0	0	2
081516	PL.42773	B	Consumer	7.36Y	122.7	0.00	3.33	0.22	0	1	1	71	0.00	0.0	4.391	0.000	1	1	1	1
081503	PL.42773	B	Consumer	7.36Y	122.7	0.00	3.33	0.22	0	1	1	71	0.00	0.0	4.391	0.000	1	1	1	1
PL.42775	PL.42774	B	2ACSR	7.36Y	122.6	0.03	3.36	13.85	5	90	48	88	0.02	0.0	4.380	0.070	0	0	0	54
081514	PL.42775	B	Consumer	7.36Y	122.6	0.00	3.36	0.42	0	3	2	83	0.00	0.0	4.380	0.000	3	2	1	1
081607	PL.42775	B	Consumer	7.36Y	122.6	0.00	3.36	0.05	0	0	0	100	0.00	0.0	4.380	0.000	0	0	1	1
PL.42772	PL.42775	B	2ACSR	7.35Y	122.6	0.08	3.44	13.38	5	87	46	88	0.05	0.1	4.545	0.164	0	0	0	52
0816013	PL.42772	B	Consumer	7.35Y	122.6	0.00	3.44	0.89	0	6	3	89	0.00	0.0	4.545	0.000	6	3	1	1
PL.30316	PL.42772	B	4ACSR	7.35Y	122.5	0.07	3.50	12.49	6	81	43	88	0.04	0.1	4.657	0.112	0	0	0	51
081612	PL.30316	B	Consumer	7.35Y	122.5	0.00	3.50	0.68	0	4	2	89	0.00	0.0	4.657	0.000	4	2	1	1
PL.19097	PL.30316	B	4ACSR	7.35Y	122.4	0.06	3.57	11.82	6	77	40	89	0.04	0.1	4.774	0.117	0	0	0	50
PL.19096	PL.19097	B	4ACSR	7.34Y	122.4	0.02	3.59	11.61	6	75	40	88	0.01	0.0	4.812	0.038	0	0	0	49
PL.14380	PL.19096	B	4ACSR	7.34Y	122.4	0.00	3.59	0.00	0	0	0	100	0.00	0.0	4.860	0.048	0	0	0	1
PL.8300	PL.14380	B	4ACSR	7.34Y	122.4	0.00	3.59	0.00	0	0	0	100	0.00	0.0	4.897	0.037	0	0	0	1
081610	PL.8300	B	Consumer	7.34Y	122.4	0.00	3.59	0.00	0	0	0	100	0.00	0.0	4.897	0.000	0	0	1	1
PL.8301	PL.8300	B	4ACSR	7.34Y	122.4	0.00	3.59	0.00	0	0	0	100	0.00	0.0	4.966	0.069	0	0	0	0
PL.5034	PL.8301	B	4ACSR	7.34Y	122.4	0.00	3.59	0.00	0	0	0	100	0.00	0.0	5.352	0.386	0	0	0	0
PL.19566	PL.19096	B	4ACSR	7.34Y	122.4	0.05	3.64	11.61	6	75	40	88	0.03	0.0	4.904	0.092	0	0	0	48
PL.19565	PL.19566	B	4ACSR	7.34Y	122.3	0.02	3.66	11.32	6	74	39	88	0.01	0.0	4.941	0.037	0	0	0	46
C PD.1145	PL.19565	B	fuse6AMP	7.34Y	122.3	0.00	3.66	11.32	193	74	39	88	0.00	0.0	4.941	0.000	0	0	0	46 C
PL.18748	PD.1145	B	4ACSR	7.34Y	122.3	0.01	3.67	11.32	6	74	39	88	0.01	0.0	4.964	0.023	0	0	0	46
PL.14379	PL.18748	B	4ACSR	7.33Y	122.1	0.19	3.86	11.32	6	74	39	88	0.11	0.1	5.323	0.359	0	0	0	46
PL.18632	PL.14379	B	4ACSR	7.33Y	122.1	0.00	3.86	0.28	0	2	1	89	0.00	0.0	5.347	0.024	0	0	0	3
PD.1146	PL.18632	B	fuse6AMP	7.33Y	122.1	0.00	3.86	0.28	5	2	1	89	0.00	0.0	5.347	0.000	0	0	0	3
PL.18633	PD.1146	B	4ACSR	7.33Y	122.1	0.00	3.86	0.28	0	2	1	89	0.00	0.0	5.408	0.061	0	0	0	3
PL.37966	PL.18633	B	4ACSR	7.33Y	122.1	0.00	3.86	0.12	0	1	0	100	0.00	0.0	5.482	0.075	0	0	0	2
PL.37965	PL.37966	B	2ACSR	7.33Y	122.1	0.00	3.86	0.00	0	0	0	100	0.00	0.0	5.539	0.057	0	0	0	0
PL.37967	PL.37966	B	4ACSR	7.33Y	122.1	0.00	3.86	0.12	0	1	0	100	0.00	0.0	5.586	0.104	0	0	0	2
PL.19171	PL.37967	B	4ACSR	7.33Y	122.1	0.00	3.86	0.08	0	1	0	100	0.00	0.0	5.662	0.076	0	0	0	1
081605	PL.19171	B	Consumer	7.33Y	122.1	0.00	3.86	0.08	0	1	0	100	0.00	0.0	5.662	0.000	1	0	1	1
081604	PL.37967	B	Consumer	7.33Y	122.1	0.00	3.86	0.04	0	0	0	100	0.00	0.0	5.586	0.000	0	0	1	1
081603	PL.18633	B	Consumer	7.33Y	122.1	0.00	3.86	0.16	0	1	1	71	0.00	0.0	5.408	0.000	1	1	1	1

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

Unbalanced Voltage Drop Report
Source: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PL.39236	PL.14379	B	4ACSR	7.32Y	122.0	0.10	3.95	11.04	6	72	38	88	0.05	0.1	5.511	0.188	0	0	0	43	
0816016	PL.39236	B	Consumer	7.32Y	122.0	0.00	3.95	0.02	0	0	0	100	0.00	0.0	5.511	0.000	0	0	1	1	
PL.39237	PL.39236	B	4ACSR	7.32Y	122.0	0.02	3.98	11.02	6	72	37	89	0.01	0.0	5.556	0.045	0	0	0	42	
PD.3443	PL.39237	B	50V4E	7.32Y	122.0	0.00	3.98	11.02	22	72	37	89	0.00	0.0	5.556	0.000	0	0	0	42	
PL.18802	PD.3443	B	4ACSR	7.32Y	122.0	0.05	4.03	11.02	6	72	37	89	0.03	0.0	5.651	0.095	0	0	0	42	
PL.18805	PL.18802	B	4ACSR	7.32Y	122.0	0.00	4.03	0.32	0	2	1	89	0.00	0.0	5.671	0.020	0	0	0	3	
PD.18-A	PL.18805	B	Closed	7.32Y	122.0	0.00	4.03	0.32	0	2	1	89	0.00	0.0	5.671	0.000	0	0	0	3	
PD.18-B	PD.18-A	B	Closed	7.32Y	122.0	0.00	4.03	0.32	0	2	1	89	0.00	0.0	5.671	0.000	0	0	0	3	
PL.18806	PD.18-B	B	4ACSR	7.32Y	122.0	0.00	4.03	0.32	0	2	1	89	0.00	0.0	5.692	0.021	0	0	0	3	
PL.14378	PL.18806	B	4ACSR	7.32Y	122.0	0.00	4.03	0.15	0	1	1	71	0.00	0.0	5.771	0.079	0	0	0	2	
PL.5032	PL.14378	B	4ACSR	7.32Y	122.0	0.00	4.03	0.15	0	1	1	71	0.00	0.0	5.848	0.077	0	0	0	2	
PL.8294	PL.5032	B	4ACSR	7.32Y	122.0	0.00	4.03	0.15	0	1	1	71	0.00	0.0	5.848	0.000	0	0	0	2	
PL.8295	PL.8294	B	4ACSR	7.32Y	122.0	0.00	4.03	0.14	0	1	1	71	0.00	0.0	5.936	0.089	0	0	0	1	
082604	PL.8295	B	Consumer	7.32Y	122.0	0.00	4.03	0.14	0	1	1	71	0.00	0.0	5.936	0.000	1	1	1	1	
082606	PL.8294	B	Consumer	7.32Y	122.0	0.00	4.03	0.01	0	0	0	100	0.00	0.0	5.848	0.000	0	0	1	1	
081611	PL.18806	B	Consumer	7.32Y	122.0	0.00	4.03	0.00	0	0	0	100	0.00	0.0	5.692	0.000	0	0	0	0	
081601	PL.18806	B	Consumer	7.32Y	122.0	0.00	4.03	0.17	0	1	1	71	0.00	0.0	5.692	0.000	1	1	1	1	
PL.18803	PL.18802	B	4ACSR	7.32Y	122.0	0.01	4.03	10.70	6	69	36	89	0.00	0.0	5.664	0.013	0	0	0	39	
C PD.1147	PL.18803	B	fuse6AMP	7.32Y	122.0	0.00	4.03	10.70	183	69	36	89	0.00	0.0	5.664	0.000	0	0	0	39	C
PL.18804	PD.1147	B	4ACSR	7.31Y	121.8	0.15	4.18	10.70	6	69	36	89	0.08	0.1	5.971	0.307	0	0	0	39	
PL.19387	PL.18804	B	4ACSR	7.29Y	121.5	0.29	4.48	10.70	6	69	36	89	0.16	0.2	6.561	0.590	0	0	0	39	
PD.19-A	PL.19387	B	Closed	7.29Y	121.5	0.00	4.48	10.70	0	69	36	89	0.00	0.0	6.561	0.000	0	0	0	39	
PD.19-B	PD.19-A	B	Closed	7.29Y	121.5	0.00	4.48	10.70	0	69	36	89	0.00	0.0	6.561	0.000	0	0	0	39	
PL.19388	PD.19-B	B	4ACSR	7.29Y	121.5	0.01	4.49	10.70	6	69	36	89	0.01	0.0	6.582	0.020	0	0	0	39	
PD.20-A	PL.19388	B	Closed	7.29Y	121.5	0.00	4.49	10.70	0	69	36	89	0.00	0.0	6.582	0.000	0	0	0	39	
PD.20-B	PD.20-A	B	Closed	7.29Y	121.5	0.00	4.49	10.70	0	69	36	89	0.00	0.0	6.582	0.000	0	0	0	39	
PL.14376	PD.20-B	B	4ACSR	7.29Y	121.5	0.00	4.49	0.06	0	0	0	100	0.00	0.0	6.774	0.192	0	0	0	3	
PL.18828	PL.14376	B	4ACSR	7.29Y	121.5	0.00	4.49	0.06	0	0	0	100	0.00	0.0	6.858	0.084	0	0	0	3	
PD.1148	PL.18828	B	fuse6AMP	7.29Y	121.5	0.00	4.49	0.06	1	0	0	100	0.00	0.0	6.858	0.000	0	0	0	3	
PL.18829	PD.1148	B	4ACSR	7.29Y	121.5	0.00	4.49	0.06	0	0	0	100	0.00	0.0	7.102	0.244	0	0	0	3	
PL.5035	PL.18829	B	4ACSR	7.29Y	121.5	0.00	4.49	0.03	0	0	0	100	0.00	0.0	7.225	0.124	0	0	0	1	
082712	PL.5035	B	Consumer	7.29Y	121.5	0.00	4.49	0.03	0	0	0	100	0.00	0.0	7.225	0.000	0	0	1	1	
082703	PL.18829	B	Consumer	7.29Y	121.5	0.00	4.49	0.03	0	0	0	100	0.00	0.0	7.102	0.000	0	0	1	1	
PL.14377	PL.18829	B	4ACSR	7.29Y	121.5	0.00	4.49	0.00	0	0	0	100	0.00	0.0	8.192	1.090	0	0	0	1	
081701	PL.14377	B	Consumer	7.29Y	121.5	0.00	4.49	0.00	0	0	0	100	0.00	0.0	8.192	0.000	0	0	1	1	
PL.14371	PD.20-B	B	4ACSR	7.29Y	121.5	0.05	4.54	10.64	5	69	36	89	0.03	0.0	6.681	0.099	0	0	0	36	
PL.14372	PL.14371	B	4ACSR	7.29Y	121.5	0.01	4.55	9.56	5	62	32	89	0.01	0.0	6.705	0.024	0	0	0	32	
PL.14373	PL.14372	B	4ACSR	7.28Y	121.4	0.04	4.59	9.56	5	62	32	89	0.02	0.0	6.788	0.083	0	0	0	32	

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Unbalanced Voltage Drop Report
Source: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.26909	PL.14373	B	4ACSR	7.28Y	121.4	0.00	4.59	0.37	0	2	1	89	0.00	0.0	6.804	0.016	0	0	0	1
PD.1150	PL.26909	B	fuse6AMP	7.28Y	121.4	0.00	4.59	0.37	6	2	1	89	0.00	0.0	6.804	0.000	0	0	0	1
PL.26910	PD.1150	B	4ACSR	7.28Y	121.4	0.00	4.59	0.37	0	2	1	89	0.00	0.0	6.842	0.038	0	0	0	1
082708	PL.26910	B	Consumer	7.28Y	121.4	0.00	4.59	0.00	0	0	0	100	0.00	0.0	6.842	0.000	0	0	0	0
082709	PL.26910	B	Consumer	7.28Y	121.4	0.00	4.59	0.37	0	2	1	89	0.00	0.0	6.842	0.000	2	1	1	1
PL.14374	PL.14373	B	4ACSR	7.28Y	121.4	0.03	4.61	9.19	5	60	31	89	0.01	0.0	6.850	0.062	0	0	0	31
PL.26588	PL.14374	B	4ACSR	7.28Y	121.4	0.00	4.61	0.00	0	0	0	100	0.00	0.0	6.925	0.075	0	0	0	0
PD.21-A	PL.26588	B	Open	7.28Y	121.4	0.00	4.61	0.00	0	0	0	100	0.00	0.0	6.925	0.000	0	0	0	0
PL.394	PL.14374	B	4ACSR	7.28Y	121.3	0.06	4.67	9.19	5	60	31	89	0.03	0.0	6.995	0.145	0	0	0	31
PL.14355	PL.394	B	4ACSR	7.28Y	121.3	0.05	4.72	9.19	5	60	31	89	0.02	0.0	7.107	0.112	0	0	0	31
PL.18919	PL.14355	B	4ACSR	7.28Y	121.3	0.00	4.72	0.30	0	2	1	89	0.00	0.0	7.124	0.017	0	0	0	1
PD.1163	PL.18919	B	fuse6AMP	7.28Y	121.3	0.00	4.72	0.30	5	2	1	89	0.00	0.0	7.124	0.000	0	0	0	1
PL.18920	PD.1163	B	4ACSR	7.28Y	121.3	0.00	4.72	0.30	0	2	1	89	0.00	0.0	7.181	0.057	0	0	0	1
083703	PL.18920	B	Consumer	7.28Y	121.3	0.00	4.72	0.00	0	0	0	100	0.00	0.0	7.181	0.000	0	0	0	0
083726	PL.18920	B	Consumer	7.28Y	121.3	0.00	4.72	0.30	0	2	1	89	0.00	0.0	7.181	0.000	2	1	1	1
PL.18385	PL.14355	B	4ACSR	7.28Y	121.3	0.02	4.74	8.89	5	58	29	89	0.01	0.0	7.144	0.037	0	0	0	30
PD.23-A	PL.18385	B	Closed	7.28Y	121.3	0.00	4.74	8.89	0	58	29	89	0.00	0.0	7.144	0.000	0	0	0	30
PD.23-B	PD.23-A	B	Closed	7.28Y	121.3	0.00	4.74	8.89	0	58	29	89	0.00	0.0	7.144	0.000	0	0	0	30
PL.18386	PD.23-B	B	4ACSR	7.28Y	121.3	0.00	4.74	8.89	5	58	29	89	0.00	0.0	7.150	0.006	0	0	0	30
083704	PL.18386	B	Consumer	7.28Y	121.3	0.00	4.74	0.00	0	0	0	100	0.00	0.0	7.150	0.000	0	0	1	1
PL.14356	PL.18386	B	4ACSR	7.27Y	121.2	0.09	4.83	8.89	5	58	29	89	0.04	0.1	7.368	0.218	0	0	0	29
PL.28067	PL.14356	B	4ACSR	7.27Y	121.2	0.00	4.83	0.13	0	1	0	100	0.00	0.0	7.391	0.023	0	0	0	1
PD.1154	PL.28067	B	fuse6AMP	7.27Y	121.2	0.00	4.83	0.13	2	1	0	100	0.00	0.0	7.391	0.000	0	0	0	1
PL.28068	PD.1154	B	4ACSR	7.27Y	121.2	0.00	4.83	0.13	0	1	0	100	0.00	0.0	7.429	0.038	0	0	0	1
PL.5054	PL.28068	B	4ACSR	7.27Y	121.2	0.00	4.83	0.13	0	1	0	100	0.00	0.0	7.665	0.237	0	0	0	1
083719	PL.5054	B	Consumer	7.27Y	121.2	0.00	4.83	0.13	0	1	0	100	0.00	0.0	7.665	0.000	1	0	1	1
PL.14357	PL.14356	B	4ACSR	7.26Y	121.0	0.13	4.96	8.76	5	57	29	89	0.06	0.1	7.688	0.319	0	0	0	28
PL.14358	PL.14357	B	4ACSR	7.26Y	121.0	0.01	4.97	8.47	4	55	28	89	0.01	0.0	7.717	0.030	0	0	0	27
PL.401	PL.14358	B	4ACSR	7.25Y	120.9	0.16	5.13	8.47	4	55	28	89	0.07	0.1	8.121	0.404	0	0	0	27
PL.396	PL.401	B	4ACSR	7.24Y	120.7	0.13	5.25	8.47	4	55	28	89	0.05	0.1	8.440	0.319	0	0	0	27
PL.397	PL.396	B	4ACSR	7.24Y	120.7	0.08	5.34	8.47	4	55	28	89	0.04	0.1	8.645	0.205	0	0	0	27
PL.18950	PL.397	B	4ACSR	7.24Y	120.6	0.08	5.41	8.47	4	55	28	89	0.03	0.1	8.842	0.197	0	0	0	27
PD.27-A	PL.18950	B	Closed	7.24Y	120.6	0.00	5.41	8.47	0	55	28	89	0.00	0.0	8.842	0.000	0	0	0	27
PD.27-B	PD.27-A	B	Closed	7.24Y	120.6	0.00	5.41	8.47	0	55	28	89	0.00	0.0	8.842	0.000	0	0	0	27
PL.18951	PD.27-B	B	4ACSR	7.23Y	120.5	0.12	5.53	8.47	4	55	28	89	0.05	0.1	9.148	0.306	0	0	0	27
PL.8312	PL.18951	B	4ACSR	7.23Y	120.5	0.00	5.53	0.00	0	0	0	100	0.00	0.0	9.149	0.001	0	0	0	0
PL.14359	PL.18951	B	4ACSR	7.22Y	120.4	0.06	5.59	8.47	4	55	28	89	0.03	0.0	9.302	0.154	0	0	0	27
PL.14360	PL.14359	B	4ACSR	7.22Y	120.4	0.05	5.64	8.47	4	55	28	89	0.02	0.0	9.421	0.119	0	0	0	27

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Unbalanced Voltage Drop Report
Source: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
082902	PL.14360	B	Consumer	7.22Y	120.4	0.00	5.64	0.00	0	0	0	100	0.00	0.0	9.421	0.000	0	0	0	0	
PL.14361	PL.14360	B	4ACSR	7.22Y	120.3	0.07	5.71	8.47	4	55	28	89	0.03	0.1	9.610	0.189	0	0	0	27	
PL.18195	PL.14361	B	4ACSR	7.22Y	120.3	0.00	5.71	0.49	0	3	2	83	0.00	0.0	9.629	0.019	0	0	0	2	
PD.1152	PL.18195	B	fuse6AMP	7.22Y	120.3	0.00	5.71	0.49	8	3	2	83	0.00	0.0	9.629	0.000	0	0	0	2	
PL.17478	PD.1152	B	4ACSR	7.22Y	120.3	0.00	5.72	0.49	0	3	2	83	0.00	0.0	9.811	0.181	0	0	0	2	
PL.5039	PL.17478	B	4ACSR	7.22Y	120.3	0.00	5.72	0.00	0	0	0	100	0.00	0.0	10.069	0.259	0	0	0	0	
082903	PL.17478	B	Consumer	7.22Y	120.3	0.00	5.72	0.33	0	2	1	89	0.00	0.0	9.811	0.000	2	1	1	1	
082906	PL.17478	B	Consumer	7.22Y	120.3	0.00	5.72	0.16	0	1	1	71	0.00	0.0	9.811	0.000	1	1	1	1	
PL.14362	PL.14361	B	4ACSR	7.21Y	120.2	0.04	5.76	7.98	4	51	26	89	0.02	0.0	9.721	0.111	0	0	0	25	
PL.20354	PL.14362	B	4ACSR	7.21Y	120.2	0.09	5.85	7.98	4	51	26	89	0.04	0.1	9.971	0.250	0	0	0	25	
PD.3444	PL.20354	B	25V4E	7.21Y	120.2	0.00	5.85	7.98	32	51	26	89	0.00	0.0	9.971	0.000	0	0	0	25	
PL.20355	PD.3444	B	4ACSR	7.20Y	119.9	0.22	6.07	7.98	4	51	26	89	0.09	0.2	10.563	0.592	0	0	0	25	
PL.17769	PL.20355	B	4ACSR	7.19Y	119.9	0.08	6.14	7.98	4	51	26	89	0.03	0.1	10.771	0.208	0	0	0	25	
PD.22-A	PL.17769	B	Closed	7.19Y	119.9	0.00	6.14	7.98	0	51	26	89	0.00	0.0	10.771	0.000	0	0	0	25	
PD.22-B	PD.22-A	B	Closed	7.19Y	119.9	0.00	6.14	7.98	0	51	26	89	0.00	0.0	10.771	0.000	0	0	0	25	
PL.17770	PD.22-B	B	4ACSR	7.19Y	119.8	0.04	6.18	7.98	4	51	26	89	0.02	0.0	10.872	0.101	0	0	0	25	
PL.5038	PL.17770	B	4ACSR	7.19Y	119.8	0.00	6.18	0.00	0	0	0	100	0.00	0.0	10.873	0.001	0	0	0	0	
PL.16184	PL.17770	B	4ACSR	7.19Y	119.8	0.03	6.21	7.98	4	51	26	89	0.01	0.0	10.955	0.083	0	0	0	25	
PD.2491-A	PL.16184	B	Closed	7.19Y	119.8	0.00	6.21	7.98	0	51	26	89	0.00	0.0	10.955	0.000	0	0	0	25	
PD.2491-B	PD.2491-A	B	Closed	7.19Y	119.8	0.00	6.21	7.98	0	51	26	89	0.00	0.0	10.955	0.000	0	0	0	25	
PL.16185	PD.2491-B	B	4ACSR	7.18Y	119.7	0.12	6.33	7.98	4	51	26	89	0.05	0.1	11.286	0.331	0	0	0	25	
PL.243	PL.16185	B	4ACSR	7.17Y	119.5	0.13	6.47	7.98	4	51	26	89	0.05	0.1	11.647	0.361	0	0	0	25	
PL.16823	PL.243	B	4ACSR	7.17Y	119.5	0.01	6.48	1.36	1	9	5	87	0.00	0.0	11.837	0.190	0	0	0	17	
PD.2297	PL.16823	B	fuse8AMP	7.17Y	119.5	0.00	6.48	1.36	19	9	5	87	0.00	0.0	11.837	0.000	0	0	0	17	
PL.16824	PD.2297	B	4ACSR	7.17Y	119.5	0.01	6.49	1.36	1	9	5	87	0.00	0.0	11.932	0.095	0	0	0	17	
PL.27969	PL.16824	B	4ACSR	7.17Y	119.5	0.01	6.49	1.30	1	8	4	89	0.00	0.0	12.041	0.108	0	0	0	14	
PL.27970	PL.27969	B	4ACSR	7.17Y	119.5	0.00	6.50	1.30	1	8	4	89	0.00	0.0	12.113	0.073	0	0	0	14	
093219	PL.27970	B	Consumer	7.17Y	119.5	0.00	6.50	0.00	0	0	0	100	0.00	0.0	12.113	0.000	0	0	1	1	
093202	PL.27970	B	Consumer	7.17Y	119.5	0.00	6.50	0.37	0	2	1	89	0.00	0.0	12.113	0.000	2	1	1	1	
093214	PL.27970	B	Consumer	7.17Y	119.5	0.00	6.50	0.05	0	0	0	100	0.00	0.0	12.113	0.000	0	0	1	1	
093216	PL.27970	B	Consumer	7.17Y	119.5	0.00	6.50	0.19	0	1	1	71	0.00	0.0	12.113	0.000	1	1	1	1	
093218	PL.27970	B	Consumer	7.17Y	119.5	0.00	6.50	0.00	0	0	0	100	0.00	0.0	12.113	0.000	0	0	1	1	
093201	PL.27970	B	Consumer	7.17Y	119.5	0.00	6.50	0.00	0	0	0	100	0.00	0.0	12.113	0.000	0	0	1	1	
PL.14363	PL.27970	B	4ACSR	7.17Y	119.5	0.00	6.50	0.68	0	4	2	89	0.00	0.0	12.234	0.121	0	0	0	8	
PL.14364	PL.14363	B	4ACSR	7.17Y	119.5	0.01	6.51	0.68	0	4	2	89	0.00	0.0	12.429	0.195	0	0	0	8	
PL.14365	PL.14364	B	4ACSR	7.17Y	119.5	0.00	6.51	0.54	0	3	2	83	0.00	0.0	12.565	0.136	0	0	0	6	
094209	PL.14365	B	Consumer	7.17Y	119.5	0.00	6.51	0.01	0	0	0	100	0.00	0.0	12.565	0.000	0	0	1	1	
P PL.43671	PL.14365	B	2ACSR	7.17Y	119.5	-0.00	6.51	-0.04	0	0	0	100	0.00	0.0	12.585	0.020	0	0	0	0	P

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: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
P PL.43672	PL.43671	B	1/0EPRJCN	7.17Y	119.5	-0.00	6.51	-0.04	0	0	0	100	0.00	0.0	12.644	0.059	0	0	0	0	P
0942019	PL.43672	B	Consumer	7.17Y	119.5	0.00	6.51	0.00	0	0	0	100	0.00	0.0	12.644	0.000	0	0	0	0	
PL.19879	PL.14365	B	4ACSR	7.17Y	119.5	0.00	6.51	0.55	0	3	2	83	0.00	0.0	12.600	0.035	0	0	0	5	
PL.19880	PL.19879	B	4ACSR	7.17Y	119.5	0.00	6.51	0.47	0	3	2	83	0.00	0.0	12.630	0.030	0	0	0	4	
PL.14367	PL.19880	B	4ACSR	7.17Y	119.5	0.00	6.51	0.23	0	1	1	71	0.00	0.0	12.665	0.035	0	0	0	2	
PL.5314	PL.14367	B	4ACSR	7.17Y	119.5	0.00	6.51	0.23	0	1	1	71	0.00	0.0	12.723	0.058	0	0	0	2	
PL.5315	PL.5314	B	4ACSR	7.17Y	119.5	0.00	6.51	0.22	0	1	1	71	0.00	0.0	12.778	0.055	0	0	0	1	
094211	PL.5315	B	Consumer	7.17Y	119.5	0.00	6.51	0.00	0	0	0	100	0.00	0.0	12.778	0.000	0	0	0	0	
094210	PL.5315	B	Consumer	7.17Y	119.5	0.00	6.51	0.22	0	1	1	71	0.00	0.0	12.778	0.000	1	1	1	1	
094201	PL.5314	B	Consumer	7.17Y	119.5	0.00	6.51	0.01	0	0	0	100	0.00	0.0	12.723	0.000	0	0	1	1	
PL.14366	PL.14367	B	4ACSR	7.17Y	119.5	0.00	6.51	0.00	0	0	0	100	0.00	0.0	12.747	0.082	0	0	0	0	
PL.400	PL.14366	B	4ACSR	7.17Y	119.5	0.00	6.51	0.00	0	0	0	100	0.00	0.0	12.959	0.212	0	0	0	0	
094216	PL.19880	B	Consumer	7.17Y	119.5	0.00	6.51	0.20	0	1	1	71	0.00	0.0	12.630	0.000	1	1	1	1	
094215	PL.19880	B	Consumer	7.17Y	119.5	0.00	6.51	0.04	0	0	0	100	0.00	0.0	12.630	0.000	0	0	1	1	
094214	PL.19879	B	Consumer	7.17Y	119.5	0.00	6.51	0.08	0	0	0	100	0.00	0.0	12.600	0.000	0	0	1	1	
094206	PL.14364	B	Consumer	7.17Y	119.5	0.00	6.51	0.00	0	0	0	100	0.00	0.0	12.429	0.000	0	0	1	1	
094217	PL.14364	B	Consumer	7.17Y	119.5	0.00	6.51	0.00	0	0	0	100	0.00	0.0	12.429	0.000	0	0	0	0	
094213	PL.14364	B	Consumer	7.17Y	119.5	0.00	6.51	0.14	0	1	1	71	0.00	0.0	12.429	0.000	1	1	1	1	
093212	PL.16824	B	Consumer	7.17Y	119.5	0.00	6.49	0.00	0	0	0	100	0.00	0.0	11.932	0.000	0	0	0	0	
093213	PL.16824	B	Consumer	7.17Y	119.5	0.00	6.49	0.00	0	0	0	100	0.00	0.0	11.932	0.000	0	0	1	1	
0932022	PL.16824	B	Consumer	7.17Y	119.5	0.00	6.49	0.00	0	0	0	100	0.00	0.0	11.932	0.000	0	0	1	1	
093207	PL.16824	B	Consumer	7.17Y	119.5	0.00	6.49	0.06	0	0	0	100	0.00	0.0	11.932	0.000	0	0	1	1	
PL.46516	PL.243	B	4ACSR	7.17Y	119.5	0.00	6.47	6.62	3	43	21	90	0.00	0.0	11.661	0.013	0	0	0	8	
C PD.8750	PL.46516	B	fuse6AMP	7.17Y	119.5	0.00	6.47	6.62	113	43	21	90	0.00	0.0	11.661	0.000	0	0	0	8	C
PL.46517	PD.8750	B	4ACSR	7.17Y	119.5	0.04	6.52	6.62	3	43	21	90	0.01	0.0	11.800	0.139	0	0	0	8	
PL.5320	PL.46517	B	4ACSR	7.17Y	119.5	0.00	6.52	0.00	0	0	0	100	0.00	0.0	11.847	0.047	0	0	0	1	
093220	PL.5320	B	Consumer	7.17Y	119.5	0.00	6.52	0.00	0	0	0	100	0.00	0.0	11.847	0.000	0	0	1	1	
PL.18636	PL.46517	B	4ACSR	7.16Y	119.4	0.07	6.59	6.62	3	43	21	90	0.03	0.1	12.040	0.240	0	0	0	7	
PD.2492-A	PL.18636	B	Closed	7.16Y	119.4	0.00	6.59	6.62	0	43	21	90	0.00	0.0	12.040	0.000	0	0	0	7	
PD.2492-B	PD.2492-A	B	Closed	7.16Y	119.4	0.00	6.59	6.62	0	43	21	90	0.00	0.0	12.040	0.000	0	0	0	7	
PL.18637	PD.2492-B	B	4ACSR	7.16Y	119.4	0.05	6.64	6.62	3	43	21	90	0.02	0.0	12.195	0.155	0	0	0	7	
PL.18634	PL.18637	B	4ACSR	7.16Y	119.3	0.04	6.68	6.62	3	43	21	90	0.01	0.0	12.335	0.140	0	0	0	7	
PL.18635	PL.18634	B	4ACSR	7.16Y	119.3	0.06	6.74	6.62	3	43	21	90	0.02	0.0	12.518	0.183	0	0	0	7	
093204	PL.18635	B	Consumer	7.16Y	119.3	0.00	6.74	0.21	0	1	1	71	0.00	0.0	12.518	0.000	1	1	1	1	
PL.17267	PL.18635	B	4ACSR	7.16Y	119.3	0.00	6.74	6.40	3	41	20	90	0.00	0.0	12.524	0.005	0	0	0	6	
PD.2495-A	PL.17267	B	Closed	7.16Y	119.3	0.00	6.74	6.40	0	41	20	90	0.00	0.0	12.524	0.000	0	0	0	6	
PD.2495-B	PD.2495-A	B	Closed	7.16Y	119.3	0.00	6.74	6.40	0	41	20	90	0.00	0.0	12.524	0.000	0	0	0	6	
PL.17268	PD.2495-B	B	4ACSR	7.15Y	119.2	0.04	6.78	6.40	3	41	20	90	0.01	0.0	12.663	0.139	0	0	0	6	

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: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.14369	PL.17268	B	4ACSR	7.15Y	119.1	0.08	6.86	6.40	3	41	20	90	0.03	0.1	12.923	0.259	0	0	0	6
093301	PL.14369	B	Consumer	7.15Y	119.1	0.00	6.86	0.10	0	1	0	100	0.00	0.0	12.923	0.000	1	0	1	1
PL.37606	PL.14369	B	4ACSR	7.15Y	119.1	0.01	6.86	6.30	3	40	20	89	0.00	0.0	12.954	0.031	0	0	0	5
PL.37605	PL.37606	B	2ACSR	7.15Y	119.1	0.00	6.86	0.01	0	0	0	100	0.00	0.0	12.998	0.045	0	0	0	1
0933004	PL.37605	B	Consumer	7.15Y	119.1	0.00	6.86	0.01	0	0	0	100	0.00	0.0	12.998	0.000	0	0	1	1
0933005	PL.37606	B	Consumer	7.15Y	119.1	0.00	6.86	0.00	0	0	0	100	0.00	0.0	12.954	0.000	0	0	0	0
PL.37607	PL.37606	B	4ACSR	7.15Y	119.1	0.04	6.91	6.29	3	40	20	89	0.01	0.0	13.104	0.150	0	0	0	4
PL.20147	PL.37607	B	4ACSR	7.14Y	119.0	0.05	6.96	6.29	3	40	20	89	0.02	0.0	13.279	0.176	0	0	0	4
PD.2494-A	PL.20147	B	Closed	7.14Y	119.0	0.00	6.96	6.29	0	40	20	89	0.00	0.0	13.279	0.000	0	0	0	4
PD.2494-B	PD.2494-A	B	Closed	7.14Y	119.0	0.00	6.96	6.29	0	40	20	89	0.00	0.0	13.279	0.000	0	0	0	4
PL.16198	PD.2494-B	B	4ACSR	7.13Y	118.8	0.26	7.22	6.29	3	40	20	89	0.08	0.2	14.170	0.891	0	0	0	4
PL.5317	PL.16198	B	4ACSR	7.13Y	118.8	0.00	7.22	0.00	0	0	0	100	0.00	0.0	14.337	0.167	0	0	0	0
PL.8332	PL.5317	B	4ACSR	7.13Y	118.8	0.00	7.22	0.00	0	0	0	100	0.00	0.0	14.508	0.171	0	0	0	0
PL.8333	PL.8332	B	4ACSR	7.13Y	118.8	0.00	7.22	0.00	0	0	0	100	0.00	0.0	14.509	0.001	0	0	0	0
PL.18562	PL.16198	B	4ACSR	7.12Y	118.7	0.06	7.28	6.29	3	40	20	89	0.02	0.1	14.387	0.217	0	0	0	4
PD.2493-A	PL.18562	B	Closed	7.12Y	118.7	0.00	7.28	6.29	0	40	20	89	0.00	0.0	14.387	0.000	0	0	0	4
PD.2493-B	PD.2493-A	B	Closed	7.12Y	118.7	0.00	7.28	6.29	0	40	20	89	0.00	0.0	14.387	0.000	0	0	0	4
PL.18593	PD.2493-B	B	4ACSR	7.12Y	118.7	0.05	7.34	6.29	3	40	20	89	0.02	0.0	14.571	0.184	0	0	0	4
PL.8334	PL.18593	B	4ACSR	7.12Y	118.6	0.04	7.38	6.29	3	40	20	89	0.01	0.0	14.725	0.154	0	0	0	4
PL.16197	PL.8334	B	4ACSR	7.11Y	118.6	0.06	7.44	6.29	3	40	20	89	0.02	0.0	14.926	0.202	0	0	0	4
PD.2496-A	PL.16197	B	Closed	7.11Y	118.6	0.00	7.44	6.29	0	40	20	89	0.00	0.0	14.926	0.000	0	0	0	4
PD.2496-B	PD.2496-A	B	Closed	7.11Y	118.6	0.00	7.44	6.29	0	40	20	89	0.00	0.0	14.926	0.000	0	0	0	4
PL.19463	PD.2496-B	B	4ACSR	7.10Y	118.4	0.16	7.60	6.29	3	40	20	89	0.05	0.1	15.476	0.550	0	0	0	4
PL.28629	PL.19463	B	4ACSR	7.10Y	118.4	0.04	7.64	6.29	3	40	20	89	0.01	0.0	15.597	0.121	0	0	0	3
093404	PL.28629	B	Consumer	7.10Y	118.4	0.00	7.64	0.05	0	0	0	100	0.00	0.0	15.597	0.000	0	0	1	1
PL.21313	PL.28629	B	4ACSR	7.10Y	118.4	0.01	7.64	6.23	3	40	19	90	0.00	0.0	15.627	0.030	0	0	0	2
PD.3649-A	PL.21313	B	Closed	7.10Y	118.4	0.00	7.64	6.23	0	40	19	90	0.00	0.0	15.627	0.000	0	0	0	2
PD.3649-B	PD.3649-A	B	Closed	7.10Y	118.4	0.00	7.64	6.23	0	40	19	90	0.00	0.0	15.627	0.000	0	0	0	2
PL.21314	PD.3649-B	B	4ACSR	7.10Y	118.3	0.02	7.66	6.23	3	40	19	90	0.01	0.0	15.690	0.063	0	0	0	2
PL.5321	PL.21314	B	4ACSR	7.10Y	118.3	0.01	7.67	6.10	3	39	19	90	0.00	0.0	15.734	0.044	0	0	0	1
093406	PL.5321	B	Consumer	7.10Y	118.3	0.00	7.67	6.10	0	39	19	90	0.00	0.0	15.734	0.000	39	19	1	1
PL.14370	PL.21314	B	4ACSR	7.10Y	118.3	0.00	7.66	0.14	0	1	0	100	0.00	0.0	16.027	0.337	0	0	0	1
093403	PL.14370	B	Consumer	7.10Y	118.3	0.00	7.66	0.14	0	1	0	100	0.00	0.0	16.027	0.000	1	0	1	1
093405	PL.19463	B	Consumer	7.10Y	118.4	0.00	7.60	0.00	0	0	0	100	0.00	0.0	15.476	0.000	0	0	1	1
093303	PL.37607	B	Consumer	7.15Y	119.1	0.00	6.91	0.00	0	0	0	100	0.00	0.0	13.104	0.000	0	0	0	0
PL.5037	PL.14359	B	4ACSR	7.22Y	120.4	0.00	5.59	0.00	0	0	0	100	0.00	0.0	9.385	0.082	0	0	0	0
PD.1151	PL.5037	B	fuse6AMP	7.22Y	120.4	0.00	5.59	0.00	0	0	0	100	0.00	0.0	9.385	0.000	0	0	0	0
PL.5036	PD.1151	B	4ACSR	7.22Y	120.4	0.00	5.59	0.00	0	0	0	100	0.00	0.0	9.684	0.299	0	0	0	0

Unbalanced Voltage Drop Report
Source: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.20102	PL.14357	B	4ACSR	7.26Y	121.0	0.00	4.96	0.29	0	2	1	89	0.00	0.0	7.705	0.018	0	0	0	1
PD.1153	PL.20102	B	fuse6AMP	7.26Y	121.0	0.00	4.96	0.29	5	2	1	89	0.00	0.0	7.705	0.000	0	0	0	1
PL.20103	PD.1153	B	4ACSR	7.26Y	121.0	0.00	4.96	0.29	0	2	1	89	0.00	0.0	7.897	0.192	0	0	0	1
PL.5055	PL.20103	B	4ACSR	7.26Y	121.0	0.00	4.96	0.29	0	2	1	89	0.00	0.0	7.934	0.037	0	0	0	1
PL.24476	PL.5055	B	4ACSR	7.26Y	121.0	0.00	4.96	0.29	0	2	1	89	0.00	0.0	8.056	0.122	0	0	0	1
083802	PL.24476	B	Consumer	7.26Y	121.0	0.00	4.96	0.00	0	0	0	100	0.00	0.0	8.056	0.000	0	0	0	0
083803	PL.24476	B	Consumer	7.26Y	121.0	0.00	4.96	0.29	0	2	1	89	0.00	0.0	8.056	0.000	2	1	1	1
PL.18498	PL.14371	B	4ACSR	7.29Y	121.5	0.00	4.54	1.08	1	7	4	87	0.00	0.0	6.695	0.015	0	0	0	4
PD.1149	PL.18498	B	fuse6AMP	7.29Y	121.5	0.00	4.54	1.08	19	7	4	87	0.00	0.0	6.695	0.000	0	0	0	4
PL.27613	PD.1149	B	4ACSR	7.29Y	121.5	0.00	4.54	1.08	1	7	4	87	0.00	0.0	6.759	0.063	0	0	0	4
PL.5026	PL.27613	B	4ACSR	7.29Y	121.5	0.00	4.54	0.56	0	4	2	89	0.00	0.0	6.837	0.078	0	0	0	1
082710	PL.5026	B	Consumer	7.29Y	121.5	0.00	4.54	0.56	0	4	2	89	0.00	0.0	6.837	0.000	4	2	1	1
082706	PL.27613	B	Consumer	7.29Y	121.5	0.00	4.54	0.02	0	0	0	100	0.00	0.0	6.759	0.000	0	0	1	1
0827013	PL.27613	B	Consumer	7.29Y	121.5	0.00	4.54	0.48	0	3	2	83	0.00	0.0	6.759	0.000	3	2	1	1
082702	PL.27613	B	Consumer	7.29Y	121.5	0.00	4.54	0.02	0	0	0	100	0.00	0.0	6.759	0.000	0	0	1	1
PL.14375	PL.27613	B	4ACSR	7.29Y	121.5	0.00	4.54	0.00	0	0	0	100	0.00	0.0	6.840	0.081	0	0	0	0
082707	PL.14375	B	Consumer	7.29Y	121.5	0.00	4.54	0.00	0	0	0	100	0.00	0.0	6.840	0.000	0	0	0	0
PL.5031	PL.18804	B	4ACSR	7.31Y	121.8	0.00	4.18	0.00	0	0	0	100	0.00	0.0	6.163	0.191	0	0	0	0
PL.5030	PL.5031	B	4ACSR	7.31Y	121.8	0.00	4.18	0.00	0	0	0	100	0.00	0.0	6.312	0.149	0	0	0	0
081602	PL.19566	B	Consumer	7.34Y	122.4	0.00	3.64	0.25	0	2	1	89	0.00	0.0	4.904	0.000	2	1	1	1
081609	PL.19566	B	Consumer	7.34Y	122.4	0.00	3.64	0.04	0	0	0	100	0.00	0.0	4.904	0.000	0	0	1	1
081608	PL.19097	B	Consumer	7.35Y	122.4	0.00	3.57	0.20	0	1	1	71	0.00	0.0	4.774	0.000	1	1	1	1
PL.16311	PL.26631	B	4ACSR	7.41Y	123.5	0.00	2.46	1.13	1	7	4	87	0.00	0.0	2.995	0.010	0	0	0	4
PD.1766	PL.16311	B	fuse6AMP	7.41Y	123.5	0.00	2.46	1.13	19	7	4	87	0.00	0.0	2.995	0.000	0	0	0	4
PL.16312	PD.1766	B	4ACSR	7.41Y	123.5	0.00	2.46	1.13	1	7	4	87	0.00	0.0	3.026	0.031	0	0	0	4
PL.7639	PL.16312	B	4ACSR	7.41Y	123.5	0.00	2.46	0.48	0	3	2	83	0.00	0.0	3.116	0.090	0	0	0	2
082542	PL.7639	B	Consumer	7.41Y	123.5	0.00	2.46	0.32	0	2	1	89	0.00	0.0	3.116	0.000	2	1	1	1
082545	PL.7639	B	Consumer	7.41Y	123.5	0.00	2.46	0.16	0	1	1	71	0.00	0.0	3.116	0.000	1	1	1	1
082524	PL.16312	B	Consumer	7.41Y	123.5	0.00	2.46	0.11	0	1	0	100	0.00	0.0	3.026	0.000	1	0	1	1
082552	PL.16312	B	Consumer	7.41Y	123.5	0.00	2.46	0.55	0	4	2	89	0.00	0.0	3.026	0.000	4	2	1	1
PL.16309	PL.26316	B	4ACSR	7.42Y	123.7	0.00	2.32	0.21	0	1	1	71	0.00	0.0	2.815	0.010	0	0	0	3
PD.1768	PL.16309	B	fuse6AMP	7.42Y	123.7	0.00	2.32	0.21	4	1	1	71	0.00	0.0	2.815	0.000	0	0	0	3
PL.16310	PD.1768	B	4ACSR	7.42Y	123.7	0.00	2.32	0.21	0	1	1	71	0.00	0.0	2.994	0.180	0	0	0	3
PL.5028	PL.16310	B	4ACSR	7.42Y	123.7	0.00	2.32	0.16	0	1	1	71	0.00	0.0	3.134	0.140	0	0	0	2
PL.26634	PL.5028	B	4ACSR	7.42Y	123.7	0.00	2.32	0.16	0	1	1	71	0.00	0.0	3.151	0.017	0	0	0	2
PL.26315	PL.26634	B	4ACSR	7.42Y	123.7	0.00	2.32	0.16	0	1	1	71	0.00	0.0	3.342	0.191	0	0	0	1
082607	PL.26315	B	Consumer	7.42Y	123.7	0.00	2.32	0.16	0	1	1	71	0.00	0.0	3.342	0.000	1	1	1	1
082602	PL.26634	B	Consumer	7.42Y	123.7	0.00	2.32	0.00	0	0	0	100	0.00	0.0	3.151	0.000	0	0	1	1

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

Unbalanced Voltage Drop Report
Source: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.5029	PL.16310	B	4ACSR	7.42Y	123.7	0.00	2.32	0.05	0	0	0	100	0.00	0.0	3.090	0.095	0	0	0	1
082601	PL.5029	B	Consumer	7.42Y	123.7	0.00	2.32	0.05	0	0	0	100	0.00	0.0	3.090	0.000	0	0	1	1
PL.24241	PL.16310	B	4ACSR	7.42Y	123.7	0.00	2.32	0.00	0	0	0	100	0.00	0.0	2.994	0.000	0	0	0	0
PL.16305	PL.26319	B	4ACSR	7.42Y	123.7	0.00	2.27	0.34	0	2	1	89	0.00	0.0	2.763	0.014	0	0	0	2
PD.1771	PL.16305	B	fuse6AMP	7.42Y	123.7	0.00	2.27	0.34	6	2	1	89	0.00	0.0	2.763	0.000	0	0	0	2
PL.16306	PD.1771	B	4ACSR	7.42Y	123.7	0.00	2.27	0.34	0	2	1	89	0.00	0.0	2.838	0.076	0	0	0	2
082539	PL.16306	B	Consumer	7.42Y	123.7	0.00	2.27	0.16	0	1	1	71	0.00	0.0	2.838	0.000	1	1	1	1
082553	PL.16306	B	Consumer	7.42Y	123.7	0.00	2.27	0.18	0	1	1	71	0.00	0.0	2.838	0.000	1	1	1	1
082549	PL.26319	B	Consumer	7.42Y	123.7	0.00	2.27	0.00	0	0	0	100	0.00	0.0	2.748	0.000	0	0	0	0
082506	PL.19172	B	Consumer	7.43Y	123.9	0.00	2.14	0.10	0	1	0	100	0.00	0.0	2.595	0.000	1	0	1	1
082547	PL.19172	B	Consumer	7.43Y	123.9	0.00	2.14	0.02	0	0	0	100	0.00	0.0	2.595	0.000	0	0	1	1
PL.7635	PL.26321	B	4ACSR	7.44Y	123.9	0.00	2.06	0.00	0	0	0	100	0.00	0.0	2.499	0.001	0	0	0	0
082558	PL.26322	B	Consumer	7.44Y	124.0	0.00	2.01	0.07	0	0	0	100	0.00	0.0	2.437	0.000	0	0	1	1
082401	PL.26487	B	Consumer	7.48Y	124.7	0.00	1.32	0.46	0	3	2	83	0.00	0.0	1.767	0.000	3	2	1	1
082410	PL.26487	B	Consumer	7.48Y	124.7	0.00	1.32	0.11	0	1	0	100	0.00	0.0	1.767	0.000	1	0	1	1
PL.14837	PL.26487	B	4ACSR	7.48Y	124.7	0.00	1.32	0.94	0	6	4	83	0.00	0.0	1.780	0.012	0	0	0	4
PD.1775	PL.14837	B	fuse6AMP	7.48Y	124.7	0.00	1.32	0.94	16	6	4	83	0.00	0.0	1.780	0.000	0	0	0	4
PL.14838	PD.1775	B	4ACSR	7.48Y	124.7	0.00	1.32	0.94	0	6	4	83	0.00	0.0	1.881	0.101	0	0	0	4
082521	PL.14838	B	Consumer	7.48Y	124.7	0.00	1.32	0.39	0	3	1	95	0.00	0.0	1.881	0.000	3	1	1	1
PL.8357	PL.14838	B	4ACSR	7.48Y	124.7	0.00	1.33	0.55	0	4	2	89	0.00	0.0	1.971	0.090	0	0	0	3
082556	PL.8357	B	Consumer	7.48Y	124.7	0.00	1.33	0.42	0	3	2	83	0.00	0.0	1.971	0.000	3	2	1	1
PL.8358	PL.8357	B	4ACSR	7.48Y	124.7	0.00	1.33	0.14	0	1	1	71	0.00	0.0	2.014	0.043	0	0	0	2
082551	PL.8358	B	Consumer	7.48Y	124.7	0.00	1.33	0.00	0	0	0	100	0.00	0.0	2.014	0.000	0	0	1	1
082522	PL.8358	B	Consumer	7.48Y	124.7	0.00	1.33	0.14	0	1	1	71	0.00	0.0	2.014	0.000	1	1	1	1
PL.6961	PL.6965	A	4ACSR	7.56Y	126.1	0.00	-0.07	7.73	4	51	29	87	0.01	0.0	1.134	0.006	0	0	0	11
		B		7.51Y	125.1	0.00	0.85	11.23	6	73	42	86					0	0	0	28
		C		7.54Y	125.6	0.01	0.40	25.90	13	169	98	86					0	0	0	68
PL.20401	PL.6961	A	397ACSR	7.56Y	126.1	-0.00	-0.07	7.57	1	50	29	87	0.01	0.0	1.162	0.028	0	0	0	10
		B		7.51Y	125.1	0.00	0.86	11.23	1	73	42	86					0	0	0	28
		C		7.54Y	125.6	0.01	0.40	25.17	3	164	95	86					0	0	0	66
PD.3716	PL.20401	A	25V4E	7.56Y	126.1	0.00	-0.07	7.57	30	50	29	87	0.00	0.0	1.162	0.000	0	0	0	10
		B		7.51Y	125.1	0.00	0.86	11.23	45	73	42	86					0	0	0	28
		C		7.54Y	125.6	0.00	0.40	25.17	36	164	95	86					0	0	0	66
PL.20402	PD.3716	A	4ACSR	7.56Y	126.1	0.00	-0.07	7.57	4	50	29	87	0.02	0.0	1.171	0.009	0	0	0	10
		B		7.51Y	125.1	0.00	0.86	11.23	6	73	42	86					0	0	0	28
		C		7.54Y	125.6	0.01	0.41	25.17	13	164	95	86					0	0	0	66
521913	PL.20402	A	Consumer	7.56Y	126.1	0.00	-0.07	0.00	0	0	0	100	0.00	0.0	1.171	0.000	0	0	0	0
521901	PL.20402	A	Consumer	7.56Y	126.1	0.00	-0.07	0.00	0	0	0	100	0.00	0.0	1.171	0.000	0	0	0	0
521902	PL.20402	A	Consumer	7.56Y	126.1	0.00	-0.07	0.01	0	0	0	100	0.00	0.0	1.171	0.000	0	0	1	1
521806	PL.20402	A	Consumer	7.56Y	126.1	0.00	-0.07	0.00	0	0	0	100	0.00	0.0	1.171	0.000	0	0	0	0
PL.17950	PL.20402	A	4ACSR	7.56Y	126.1	0.01	-0.06	7.56	4	49	29	86	0.13	0.0	1.243	0.071	0	0	0	9
		B		7.51Y	125.1	0.03	0.90	11.23	6	73	42	86					0	0	0	28
		C		7.53Y	125.5	0.08	0.49	25.17	13	164	95	86					0	0	0	66

Unbalanced Voltage Drop Report
Source: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.17951	PL.17950	A	4ACSR	7.56Y	126.1	0.01	-0.05	7.56	4	49	29	86	0.15	0.1	1.327	0.084	0	0	0	9
		B		7.50Y	125.1	0.04	0.94	11.13	6	72	42	86					0	0	0	27
		C		7.53Y	125.4	0.09	0.58	25.17	13	164	95	86					0	0	0	66
PL.26783	PL.17951	A	4ACSR	7.56Y	126.1	0.00	-0.05	0.15	0	1	1	71	0.00	0.0	1.335	0.008	0	0	0	1
PD.2439	PL.26783	A	fuse6AMP	7.56Y	126.1	0.00	-0.05	0.15	3	1	1	71	0.00	0.0	1.335	0.000	0	0	0	1
PL.26784	PD.2439	A	4ACSR	7.56Y	126.1	0.00	-0.05	0.15	0	1	1	71	0.00	0.0	1.381	0.046	0	0	0	1
5217003	PL.26784	A	Consumer	7.56Y	126.1	0.00	-0.05	0.00	0	0	0	100	0.00	0.0	1.381	0.000	0	0	0	0
521702	PL.26784	A	Consumer	7.56Y	126.1	0.00	-0.05	0.15	0	1	1	71	0.00	0.0	1.381	0.000	1	1	1	1
PL.17949	PL.17951	A	4ACSR	7.56Y	126.0	0.01	-0.04	7.41	4	48	28	86	0.21	0.1	1.441	0.114	0	0	0	8
		B		7.50Y	125.0	0.05	0.99	11.13	6	72	42	86					0	0	0	27
		C		7.52Y	125.3	0.12	0.70	25.17	13	164	95	86					0	0	0	66
521701	PL.17949	B	Consumer	7.50Y	125.0	0.00	0.99	0.17	0	1	1	71	0.00	0.0	1.441	0.000	1	1	1	1
PL.6959	PL.17949	A	4ACSR	7.56Y	126.0	0.01	-0.04	7.41	4	48	28	86	0.12	0.0	1.509	0.068	0	0	0	8
		B		7.50Y	125.0	0.03	1.02	10.96	6	71	41	86					0	0	0	26
		C		7.51Y	125.2	0.07	0.78	25.17	13	164	95	86					0	0	0	66
522609	PL.6959	B	Consumer	7.50Y	125.0	0.00	1.02	0.00	0	0	0	100	0.00	0.0	1.509	0.000	0	0	0	0
522608	PL.6959	B	Consumer	7.50Y	125.0	0.00	1.02	0.00	0	0	0	100	0.00	0.0	1.509	0.000	0	0	1	1
522602	PL.6959	B	Consumer	7.50Y	125.0	0.00	1.02	0.00	0	0	0	100	0.00	0.0	1.509	0.000	0	0	1	1
521603	PL.6959	B	Consumer	7.50Y	125.0	0.00	1.02	0.00	0	0	0	100	0.00	0.0	1.509	0.000	0	0	1	1
PL.6960	PL.6959	A	4ACSR	7.56Y	126.0	0.01	-0.03	7.23	4	47	27	87	0.12	0.0	1.576	0.068	0	0	0	7
		B		7.50Y	124.9	0.03	1.06	10.96	6	71	41	86					0	0	0	23
		C		7.51Y	125.2	0.07	0.85	25.17	13	163	95	86					0	0	0	66
PL.14083	PL.6960	A	2ACSR	7.56Y	126.0	0.00	-0.03	7.23	3	47	27	87	0.00	0.0	1.577	0.000	0	0	0	7
		B		7.50Y	124.9	0.00	1.06	10.96	4	71	41	86					0	0	0	23
		C		7.51Y	125.2	0.00	0.85	25.17	10	163	95	86					0	0	0	66
PL.26788	PL.14083	C	4ACSR	7.51Y	125.2	0.00	0.85	0.99	1	6	4	83	0.00	0.0	1.585	0.008	0	0	0	4
PD.2440	PL.26788	C	fuse8AMP	7.51Y	125.2	0.00	0.85	0.99	14	6	4	83	0.00	0.0	1.585	0.000	0	0	0	4
PL.26787	PD.2440	C	4ACSR	7.51Y	125.1	0.00	0.85	0.99	1	6	4	83	0.00	0.0	1.626	0.042	0	0	0	4
5226015	PL.26787	C	Consumer	7.51Y	125.1	0.00	0.85	0.01	0	0	0	100	0.00	0.0	1.626	0.000	0	0	1	1
522613	PL.26787	C	Consumer	7.51Y	125.1	0.00	0.85	0.26	0	2	1	89	0.00	0.0	1.626	0.000	2	1	1	1
522607	PL.26787	C	Consumer	7.51Y	125.1	0.00	0.85	0.00	0	0	0	100	0.00	0.0	1.626	0.000	0	0	0	0
522612	PL.26787	C	Consumer	7.51Y	125.1	0.00	0.85	0.00	0	0	0	100	0.00	0.0	1.626	0.000	0	0	0	0
522606	PL.26787	C	Consumer	7.51Y	125.1	0.00	0.85	0.28	0	2	1	89	0.00	0.0	1.626	0.000	2	1	1	1
522601	PL.26787	C	Consumer	7.51Y	125.1	0.00	0.85	0.44	0	3	2	83	0.00	0.0	1.626	0.000	3	2	1	1
PL.26789	PL.14083	A	4ACSR	7.56Y	126.0	0.00	-0.03	1.10	1	7	4	87	0.00	0.0	1.587	0.011	0	0	0	5
PD.2441	PL.26789	A	fuse8AMP	7.56Y	126.0	0.00	-0.03	1.10	15	7	4	87	0.00	0.0	1.587	0.000	0	0	0	5
PL.26790	PD.2441	A	4ACSR	7.56Y	126.0	0.00	-0.02	1.10	1	7	4	87	0.00	0.0	1.669	0.082	0	0	0	5
522701	PL.26790	A	Consumer	7.56Y	126.0	0.00	-0.02	0.16	0	1	1	71	0.00	0.0	1.669	0.000	1	1	1	1
PL.3500	PL.26790	A	4ACSR	7.56Y	126.0	0.00	-0.02	0.94	0	6	4	83	0.00	0.0	1.713	0.044	0	0	0	4
PL.3498	PL.3500	A	4ACSR	7.56Y	126.0	0.00	-0.02	0.80	0	5	3	86	0.00	0.0	1.801	0.088	0	0	0	2
PL.3496	PL.3498	A	4ACSR	7.56Y	126.0	0.00	-0.02	0.44	0	3	2	83	0.00	0.0	1.883	0.082	0	0	0	1
PL.3495	PL.3496	A	4ACSR	7.56Y	126.0	0.00	-0.02	0.44	0	3	2	83	0.00	0.0	1.953	0.070	0	0	0	1
525701	PL.3495	A	Consumer	7.56Y	126.0	0.00	-0.02	0.44	0	3	2	83	0.00	0.0	1.953	0.000	3	2	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: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.3497	PL.3498	A	4ACSR	7.56Y	126.0	0.00	-0.02	0.35	0	2	1	89	0.00	0.0	1.813	0.012	0	0	0	1
524701	PL.3497	A	Consumer	7.56Y	126.0	0.00	-0.02	0.35	0	2	1	89	0.00	0.0	1.813	0.000	2	1	1	1
PL.3499	PL.3500	A	4ACSR	7.56Y	126.0	0.00	-0.02	0.14	0	1	1	71	0.00	0.0	1.769	0.056	0	0	0	2
523601	PL.3499	A	Consumer	7.56Y	126.0	0.00	-0.02	0.13	0	1	1	71	0.00	0.0	1.769	0.000	1	1	1	1
523602	PL.3499	A	Consumer	7.56Y	126.0	0.00	-0.02	0.01	0	0	0	100	0.00	0.0	1.769	0.000	0	0	1	1
PL.6955	PL.14083	B	4ACSR	7.50Y	124.9	0.00	1.06	6.13	3	40	23	87	0.00	0.0	1.584	0.007	0	0	0	22
522605	PL.6955	B	Consumer	7.50Y	124.9	0.00	1.06	0.17	0	1	1	71	0.00	0.0	1.584	0.000	1	1	1	1
522604	PL.6955	B	Consumer	7.50Y	124.9	0.00	1.06	0.07	0	0	0	100	0.00	0.0	1.584	0.000	0	0	1	1
PL.6956	PL.6955	B	4ACSR	7.50Y	124.9	0.00	1.06	5.89	3	38	22	87	0.00	0.0	1.600	0.017	0	0	0	20
522611	PL.6956	B	Consumer	7.50Y	124.9	0.00	1.06	0.00	0	0	0	100	0.00	0.0	1.600	0.000	0	0	1	1
522614	PL.6956	B	Consumer	7.50Y	124.9	0.00	1.06	0.32	0	2	1	89	0.00	0.0	1.600	0.000	2	1	1	1
522603	PL.6956	B	Consumer	7.50Y	124.9	0.00	1.06	0.18	0	1	1	71	0.00	0.0	1.600	0.000	1	1	1	1
PL.6957	PL.6956	B	4ACSR	7.50Y	124.9	0.01	1.07	5.38	3	35	20	87	0.00	0.0	1.635	0.035	0	0	0	17
PL.14223	PL.6957	B	4ACSR	7.49Y	124.9	0.02	1.09	5.26	3	34	19	87	0.01	0.0	1.734	0.099	0	0	0	16
PL.3494	PL.14223	B	4ACSR	7.49Y	124.9	0.00	1.10	0.72	0	5	3	86	0.00	0.0	1.761	0.027	0	0	0	2
524602	PL.3494	B	Consumer	7.49Y	124.9	0.00	1.10	0.17	0	1	1	71	0.00	0.0	1.761	0.000	1	1	1	1
5246005	PL.3494	B	Consumer	7.49Y	124.9	0.00	1.10	0.00	0	0	0	100	0.00	0.0	1.761	0.000	0	0	0	0
524603	PL.3494	B	Consumer	7.49Y	124.9	0.00	1.10	0.55	0	4	2	89	0.00	0.0	1.761	0.000	4	2	1	1
PL.14224	PL.14223	B	4ACSR	7.49Y	124.9	0.00	1.10	4.43	2	29	16	88	0.00	0.0	1.754	0.020	0	0	0	13
PL.14085	PL.14224	B	4ACSR	7.49Y	124.9	0.02	1.12	4.22	2	28	15	88	0.00	0.0	1.836	0.082	0	0	0	12
083436	PL.14085	B	Consumer	7.49Y	124.9	0.00	1.12	0.23	0	2	1	89	0.00	0.0	1.836	0.000	2	1	1	1
PL.14086	PL.14085	B	4ACSR	7.49Y	124.9	0.01	1.13	2.74	1	18	10	87	0.00	0.0	1.939	0.103	0	0	0	9
PL.5207	PL.14086	B	4ACSR	7.49Y	124.9	0.00	1.13	0.85	0	5	3	86	0.00	0.0	2.023	0.084	0	0	0	2
PL.5206	PL.5207	B	4ACSR	7.49Y	124.9	0.00	1.13	0.85	0	5	3	86	0.00	0.0	2.044	0.021	0	0	0	2
PL.5214	PL.5206	B	4ACSR	7.49Y	124.9	0.00	1.13	0.85	0	5	3	86	0.00	0.0	2.086	0.042	0	0	0	2
083453	PL.5214	B	Consumer	7.49Y	124.9	0.00	1.13	0.51	0	3	2	83	0.00	0.0	2.086	0.000	3	2	1	1
083451	PL.5214	B	Consumer	7.49Y	124.9	0.00	1.13	0.34	0	2	1	89	0.00	0.0	2.086	0.000	2	1	1	1
083424	PL.14086	B	Consumer	7.49Y	124.9	0.00	1.13	0.00	0	0	0	100	0.00	0.0	1.939	0.000	0	0	0	0
083423	PL.14086	B	Consumer	7.49Y	124.9	0.00	1.13	0.09	0	1	0	100	0.00	0.0	1.939	0.000	1	0	1	1
083428	PL.14086	B	Consumer	7.49Y	124.9	0.00	1.13	0.00	0	0	0	100	0.00	0.0	1.939	0.000	0	0	0	0
083434	PL.14086	B	Consumer	7.49Y	124.9	0.00	1.13	0.00	0	0	0	100	0.00	0.0	1.939	0.000	0	0	0	0
083421	PL.14086	B	Consumer	7.49Y	124.9	0.00	1.13	0.00	0	0	0	100	0.00	0.0	1.939	0.000	0	0	0	0
083420	PL.14086	B	Consumer	7.49Y	124.9	0.00	1.13	0.48	0	3	2	83	0.00	0.0	1.939	0.000	3	2	1	1
083441	PL.14086	B	Consumer	7.49Y	124.9	0.00	1.13	0.00	0	0	0	100	0.00	0.0	1.939	0.000	0	0	0	0
083442	PL.14086	B	Consumer	7.49Y	124.9	0.00	1.13	0.04	0	0	0	100	0.00	0.0	1.939	0.000	0	0	1	1
083425	PL.14086	B	Consumer	7.49Y	124.9	0.00	1.13	0.00	0	0	0	100	0.00	0.0	1.939	0.000	0	0	0	0
083422	PL.14086	B	Consumer	7.49Y	124.9	0.00	1.13	0.00	0	0	0	100	0.00	0.0	1.939	0.000	0	0	0	0
PL.14087	PL.14086	B	4ACSR	7.49Y	124.9	0.00	1.13	1.28	1	8	5	85	0.00	0.0	1.963	0.024	0	0	0	4

Unbalanced Voltage Drop Report
Source: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.14088	PL.14087	B	4ACSR	7.49Y	124.9	0.00	1.13	1.28	1	8	5	85	0.00	0.0	1.967	0.004	0	0	0	4
PL.3501	PL.14088	B	4ACSR	7.49Y	124.9	0.00	1.13	0.73	0	5	3	86	0.00	0.0	2.062	0.095	0	0	0	1
PL.40777	PL.3501	B	2ACSR	7.49Y	124.9	0.00	1.13	0.73	0	5	3	86	0.00	0.0	2.134	0.072	0	0	0	1
5257002	PL.40777	B	Consumer	7.49Y	124.9	0.00	1.13	0.73	0	5	3	86	0.00	0.0	2.134	0.000	5	3	1	1
PL.14089	PL.14088	B	4ACSR	7.49Y	124.9	0.00	1.13	0.55	0	4	2	89	0.00	0.0	2.096	0.129	0	0	0	3
PL.3503	PL.14089	B	4ACSR	7.49Y	124.9	0.00	1.13	0.14	0	1	1	71	0.00	0.0	2.141	0.045	0	0	0	1
527701	PL.3503	B	Consumer	7.49Y	124.9	0.00	1.13	0.14	0	1	1	71	0.00	0.0	2.141	0.000	1	1	1	1
527601	PL.14089	B	Consumer	7.49Y	124.9	0.00	1.13	0.03	0	0	0	100	0.00	0.0	2.096	0.000	0	0	1	1
526701	PL.14089	B	Consumer	7.49Y	124.9	0.00	1.13	0.38	0	2	1	89	0.00	0.0	2.096	0.000	2	1	1	1
PL.5208	PL.14085	B	4ACSR	7.49Y	124.9	0.01	1.12	1.25	1	8	4	89	0.00	0.0	1.944	0.109	0	0	0	2
083435	PL.5208	B	Consumer	7.49Y	124.9	0.00	1.12	0.53	0	3	2	83	0.00	0.0	1.944	0.000	3	2	1	1
083430	PL.5208	B	Consumer	7.49Y	124.9	0.00	1.12	0.72	0	5	2	93	0.00	0.0	1.944	0.000	5	2	1	1
083432	PL.14224	B	Consumer	7.49Y	124.9	0.00	1.10	0.21	0	1	1	71	0.00	0.0	1.754	0.000	1	1	1	1
PL.3493	PL.14223	B	4ACSR	7.49Y	124.9	0.00	1.10	0.11	0	1	0	100	0.00	0.0	1.811	0.077	0	0	0	1
524601	PL.3493	B	Consumer	7.49Y	124.9	0.00	1.10	0.11	0	1	0	100	0.00	0.0	1.811	0.000	1	0	1	1
523603	PL.6957	B	Consumer	7.50Y	124.9	0.00	1.07	0.12	0	1	0	100	0.00	0.0	1.635	0.000	1	0	1	1
PL.6958	PL.6957	B	4ACSR	7.50Y	124.9	0.00	1.07	0.00	0	0	0	100	0.00	0.0	1.645	0.009	0	0	0	0
PL.14084	PL.14083	A	4ACSR	7.56Y	126.0	0.00	-0.03	6.13	3	40	23	87	0.03	0.0	1.595	0.018	0	0	0	2
		B		7.50Y	124.9	0.00	1.06	4.83	2	31	19	85					0	0	0	1
		C		7.51Y	125.1	0.02	0.87	24.18	12	157	91	86					0	0	0	62
PL.14090	PL.14084	A	4ACSR	7.56Y	126.0	0.03	0.01	6.13	3	40	23	87	1.01	0.4	2.282	0.687	0	0	0	2
		B		7.49Y	124.8	0.14	1.20	4.83	2	31	19	85					0	0	0	1
		C		7.46Y	124.4	0.75	1.61	24.18	12	157	91	86					0	0	0	62
PL.14091	PL.14090	A	4ACSR	7.56Y	126.0	0.00	0.01	6.01	3	39	23	86	0.14	0.1	2.379	0.097	0	0	0	1
		B		7.49Y	124.8	0.02	1.22	4.71	2	30	18	85					0	0	0	0
		C		7.46Y	124.3	0.11	1.72	24.18	12	156	91	86					0	0	0	62
PL.26398	PL.14091	C	4ACSR	7.45Y	124.2	0.04	1.76	19.45	10	126	72	87	0.04	0.0	2.422	0.043	0	0	0	61
PD.747-A	PL.26398	C	Closed	7.45Y	124.2	0.00	1.76	19.45	0	126	72	87	0.00	0.0	2.422	0.000	0	0	0	61
PD.747-B	PD.747-A	C	Closed	7.45Y	124.2	0.00	1.76	19.45	0	126	72	87	0.00	0.0	2.422	0.000	0	0	0	61
PL.26399	PD.747-B	C	4ACSR	7.44Y	124.1	0.17	1.93	19.45	10	126	72	87	0.17	0.1	2.612	0.191	0	0	0	61
PL.14092	PL.26399	C	4ACSR	7.44Y	124.0	0.04	1.97	19.26	10	124	71	87	0.04	0.0	2.653	0.041	0	0	0	60
PL.14093	PL.14092	C	4ACSR	7.44Y	124.0	0.05	2.02	10.45	5	67	39	86	0.03	0.0	2.755	0.102	0	0	0	32
PL.20226	PL.14093	C	4ACSR	7.44Y	124.0	0.00	2.02	10.22	5	66	38	87	0.00	0.0	2.761	0.005	0	0	0	30
PD.3455	PL.20226	C	25V4E	7.44Y	124.0	0.00	2.02	10.22	41	66	38	87	0.00	0.0	2.761	0.000	0	0	0	30
PL.20227	PD.3455	C	4ACSR	7.44Y	124.0	0.03	2.05	10.22	5	66	38	87	0.02	0.0	2.822	0.061	0	0	0	30
PL.8443	PL.20227	C	4ACSR	7.44Y	123.9	0.01	2.06	10.14	5	65	38	86	0.01	0.0	2.849	0.027	0	0	0	29
PL.8425	PL.8443	C	4ACSR	7.43Y	123.9	0.05	2.11	10.14	5	65	38	86	0.02	0.0	2.948	0.099	0	0	0	29
083336	PL.8425	C	Consumer	7.43Y	123.9	0.00	2.11	0.89	0	6	3	89	0.00	0.0	2.948	0.000	6	3	1	1
PL.13054	PL.8425	C	4ACSR	7.43Y	123.9	0.01	2.12	9.25	5	60	34	87	0.01	0.0	2.981	0.033	0	0	0	28
PL.18772	PL.13054	C	4ACSR	7.43Y	123.9	0.01	2.13	7.61	4	49	28	87	0.00	0.0	3.015	0.034	0	0	0	22
PD.581-A	PL.18772	C	Closed	7.43Y	123.9	0.00	2.13	7.61	0	49	28	87	0.00	0.0	3.015	0.000	0	0	0	22

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: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.581-B	PD.581-A	C	Closed	7.43Y	123.9	0.00	2.13	7.61	0	49	28	87	0.00	0.0	3.015	0.000	0	0	0	22
PL.18773	PD.581-B	C	4ACSR	7.43Y	123.9	0.00	2.14	7.61	4	49	28	87	0.00	0.0	3.020	0.005	0	0	0	22
083308	PL.18773	C	Consumer	7.43Y	123.9	0.00	2.14	0.00	0	0	0	100	0.00	0.0	3.020	0.000	0	0	1	1
083329	PL.18773	C	Consumer	7.43Y	123.9	0.00	2.14	0.19	0	1	1	71	0.00	0.0	3.020	0.000	1	1	1	1
PL.13056	PL.18773	C	4ACSR	7.43Y	123.8	0.02	2.15	7.42	4	48	28	86	0.01	0.0	3.073	0.053	0	0	0	20
PL.13057	PL.13056	C	4ACSR	7.43Y	123.8	0.03	2.18	6.35	3	41	24	86	0.01	0.0	3.164	0.091	0	0	0	17
083305	PL.13057	C	Consumer	7.43Y	123.8	0.00	2.18	0.24	0	2	1	89	0.00	0.0	3.164	0.000	2	1	1	1
083334	PL.13057	C	Consumer	7.43Y	123.8	0.00	2.18	0.52	0	3	2	83	0.00	0.0	3.164	0.000	3	2	1	1
083313	PL.13057	C	Consumer	7.43Y	123.8	0.00	2.18	0.00	0	0	0	100	0.00	0.0	3.164	0.000	0	0	0	0
083324	PL.13057	C	Consumer	7.43Y	123.8	0.00	2.18	0.00	0	0	0	100	0.00	0.0	3.164	0.000	0	0	0	0
PL.8373	PL.13057	C	4ACSR	7.43Y	123.8	0.01	2.19	5.31	3	34	20	86	0.00	0.0	3.215	0.050	0	0	0	14
PL.8374	PL.8373	C	4ACSR	7.43Y	123.8	0.02	2.21	4.94	3	32	18	87	0.00	0.0	3.290	0.075	0	0	0	13
PL.13058	PL.8374	C	4ACSR	7.42Y	123.7	0.04	2.25	4.94	3	32	18	87	0.01	0.0	3.460	0.170	0	0	0	13
PL.16333	PL.13058	C	4ACSR	7.42Y	123.7	0.00	2.25	0.33	0	2	1	89	0.00	0.0	3.466	0.006	0	0	0	1
PD.2036	PL.16333	C	fuse6AMP	7.42Y	123.7	0.00	2.25	0.33	6	2	1	89	0.00	0.0	3.466	0.000	0	0	0	1
PL.16334	PD.2036	C	4ACSR	7.42Y	123.7	0.00	2.25	0.33	0	2	1	89	0.00	0.0	3.523	0.057	0	0	0	1
083322	PL.16334	C	Consumer	7.42Y	123.7	0.00	2.25	0.33	0	2	1	89	0.00	0.0	3.523	0.000	2	1	1	1
PL.13059	PL.13058	C	4ACSR	7.42Y	123.7	0.03	2.29	4.61	2	30	17	87	0.01	0.0	3.622	0.162	0	0	0	12
PL.13060	PL.13059	C	4ACSR	7.42Y	123.7	0.01	2.29	3.23	2	21	12	87	0.00	0.0	3.659	0.037	0	0	0	10
083321	PL.13060	C	Consumer	7.42Y	123.7	0.00	2.29	0.80	0	5	3	86	0.00	0.0	3.659	0.000	5	3	1	1
083302	PL.13060	C	Consumer	7.42Y	123.7	0.00	2.29	0.13	0	1	0	100	0.00	0.0	3.659	0.000	1	0	1	1
083331	PL.13060	C	Consumer	7.42Y	123.7	0.00	2.29	0.42	0	3	2	83	0.00	0.0	3.659	0.000	3	2	1	1
083330	PL.13060	C	Consumer	7.42Y	123.7	0.00	2.29	0.18	0	1	1	71	0.00	0.0	3.659	0.000	1	1	1	1
083317	PL.13060	C	Consumer	7.42Y	123.7	0.00	2.29	0.46	0	3	2	83	0.00	0.0	3.659	0.000	3	2	1	1
083323	PL.13060	C	Consumer	7.42Y	123.7	0.00	2.29	0.07	0	0	0	100	0.00	0.0	3.659	0.000	0	0	1	1
PL.19411	PL.13060	C	4ACSR	7.42Y	123.7	0.00	2.29	1.18	1	8	4	89	0.00	0.0	3.703	0.043	0	0	0	4
PL.19412	PL.19411	C	4ACSR	7.42Y	123.7	0.00	2.29	0.48	0	3	2	83	0.00	0.0	3.731	0.028	0	0	0	2
083310	PL.19412	C	Consumer	7.42Y	123.7	0.00	2.29	0.10	0	1	0	100	0.00	0.0	3.731	0.000	1	0	1	1
PL.19567	PL.19412	C	4ACSR	7.42Y	123.7	0.00	2.29	0.38	0	2	1	89	0.00	0.0	3.764	0.034	0	0	0	1
PL.20690	PL.19567	C	4ACSR	7.42Y	123.7	0.00	2.29	0.00	0	0	0	100	0.00	0.0	4.093	0.329	0	0	0	0
PL.20691	PL.20690	C	4ACSR	7.42Y	123.7	0.00	2.29	0.00	0	0	0	100	0.00	0.0	4.145	0.052	0	0	0	0
PL.38139	PL.20691	C	4ACSR	7.42Y	123.7	0.00	2.29	0.00	0	0	0	100	0.00	0.0	4.150	0.005	0	0	0	0
PD.579-A	PL.38139	C	Open	7.42Y	123.7	0.00	2.29	0.00	0	0	0	100	0.00	0.0	4.150	0.000	0	0	0	0
0832112	PL.20690	C	Consumer	7.42Y	123.7	0.00	2.29	0.00	0	0	0	100	0.00	0.0	4.093	0.000	0	0	0	0
083319	PL.19567	C	Consumer	7.42Y	123.7	0.00	2.29	0.38	0	2	1	89	0.00	0.0	3.764	0.000	2	1	1	1
083320	PL.19411	C	Consumer	7.42Y	123.7	0.00	2.29	0.17	0	1	1	71	0.00	0.0	3.703	0.000	1	1	1	1
083315	PL.19411	C	Consumer	7.42Y	123.7	0.00	2.29	0.53	0	3	2	83	0.00	0.0	3.703	0.000	3	2	1	1
PL.16335	PL.13059	C	4ACSR	7.42Y	123.7	0.00	2.29	1.38	1	9	5	87	0.00	0.0	3.632	0.010	0	0	0	2

Unbalanced Voltage Drop Report
Source: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.2037	PL.16335	C	fuse6AMP	7.42Y	123.7	0.00	2.29	1.38	24	9	5	87	0.00	0.0	3.632	0.000	0	0	0	2
PL.16336	PD.2037	C	4ACSR	7.42Y	123.7	0.00	2.29	1.38	1	9	5	87	0.00	0.0	3.701	0.069	0	0	0	2
083337	PL.16336	C	Consumer	7.42Y	123.7	0.00	2.29	0.04	0	0	0	100	0.00	0.0	3.701	0.000	0	0	1	1
PL.24493	PL.16336	C	4ACSR	7.42Y	123.7	0.00	2.29	1.34	1	9	5	87	0.00	0.0	3.735	0.035	0	0	0	1
083338	PL.24493	C	Consumer	7.42Y	123.7	0.00	2.29	1.34	0	9	5	87	0.00	0.0	3.735	0.000	9	5	1	1
0833040	PL.13058	C	Consumer	7.42Y	123.7	0.00	2.25	0.00	0	0	0	100	0.00	0.0	3.460	0.000	0	0	0	0
083332	PL.8373	C	Consumer	7.43Y	123.8	0.00	2.19	0.36	0	2	1	89	0.00	0.0	3.215	0.000	2	1	1	1
PL.16337	PL.13057	C	4ACSR	7.43Y	123.8	0.00	2.18	0.29	0	2	1	89	0.00	0.0	3.172	0.008	0	0	0	1
PD.2035	PL.16337	C	fuse6AMP	7.43Y	123.8	0.00	2.18	0.29	5	2	1	89	0.00	0.0	3.172	0.000	0	0	0	1
PL.16338	PD.2035	C	4ACSR	7.43Y	123.8	0.00	2.18	0.29	0	2	1	89	0.00	0.0	3.240	0.068	0	0	0	1
083328	PL.16338	C	Consumer	7.43Y	123.8	0.00	2.18	0.29	0	2	1	89	0.00	0.0	3.240	0.000	2	1	1	1
083326	PL.13056	C	Consumer	7.43Y	123.8	0.00	2.15	0.73	0	5	3	86	0.00	0.0	3.073	0.000	5	3	1	1
083327	PL.13056	C	Consumer	7.43Y	123.8	0.00	2.15	0.31	0	2	1	89	0.00	0.0	3.073	0.000	2	1	1	1
PL.16339	PL.13056	C	4ACSR	7.43Y	123.8	0.00	2.15	0.03	0	0	0	100	0.00	0.0	3.080	0.007	0	0	0	1
PD.2034	PL.16339	C	fuse6AMP	7.43Y	123.8	0.00	2.15	0.03	1	0	0	100	0.00	0.0	3.080	0.000	0	0	0	1
PL.16340	PD.2034	C	4ACSR	7.43Y	123.8	0.00	2.15	0.03	0	0	0	100	0.00	0.0	3.126	0.045	0	0	0	1
0833039	PL.16340	C	Consumer	7.43Y	123.8	0.00	2.15	0.03	0	0	0	100	0.00	0.0	3.126	0.000	0	0	1	1
083306	PL.16340	C	Consumer	7.43Y	123.8	0.00	2.15	0.00	0	0	0	100	0.00	0.0	3.126	0.000	0	0	0	0
PL.16341	PL.13054	C	4ACSR	7.43Y	123.9	0.00	2.12	1.43	1	9	5	87	0.00	0.0	2.988	0.007	0	0	0	5
PD.2033	PL.16341	C	fuse6AMP	7.43Y	123.9	0.00	2.12	1.43	24	9	5	87	0.00	0.0	2.988	0.000	0	0	0	5
PL.16342	PD.2033	C	4ACSR	7.43Y	123.9	0.00	2.12	1.43	1	9	5	87	0.00	0.0	3.014	0.026	0	0	0	5
PL.24254	PL.16342	C	4ACSR	7.43Y	123.9	0.00	2.13	1.31	1	8	5	85	0.00	0.0	3.071	0.057	0	0	0	4
PL.4641	PL.24254	C	4ACSR	7.43Y	123.9	0.00	2.13	0.50	0	3	2	83	0.00	0.0	3.090	0.019	0	0	0	2
PL.8369	PL.4641	C	4ACSR	7.43Y	123.9	0.00	2.13	0.50	0	3	2	83	0.00	0.0	3.176	0.086	0	0	0	2
PL.8370	PL.8369	C	4ACSR	7.43Y	123.9	0.00	2.13	0.21	0	1	1	71	0.00	0.0	3.214	0.038	0	0	0	1
084308	PL.8370	C	Consumer	7.43Y	123.9	0.00	2.13	0.21	0	1	1	71	0.00	0.0	3.214	0.000	1	1	1	1
084307	PL.8369	C	Consumer	7.43Y	123.9	0.00	2.13	0.29	0	2	1	89	0.00	0.0	3.176	0.000	2	1	1	1
084306	PL.24254	C	Consumer	7.43Y	123.9	0.00	2.13	0.23	0	1	1	71	0.00	0.0	3.071	0.000	1	1	1	1
PL.4642	PL.24254	C	4ACSR	7.43Y	123.9	0.00	2.13	0.59	0	4	2	89	0.00	0.0	3.160	0.089	0	0	0	1
084303	PL.4642	C	Consumer	7.43Y	123.9	0.00	2.13	0.59	0	4	2	89	0.00	0.0	3.160	0.000	4	2	1	1
PL.13055	PL.16342	C	4ACSR	7.43Y	123.9	0.00	2.12	0.12	0	1	0	100	0.00	0.0	3.051	0.038	0	0	0	1
083335	PL.13055	C	Consumer	7.43Y	123.9	0.00	2.12	0.12	0	1	0	100	0.00	0.0	3.051	0.000	1	0	1	1
083333	PL.13054	C	Consumer	7.43Y	123.9	0.00	2.12	0.21	0	1	1	71	0.00	0.0	2.981	0.000	1	1	1	1
083401	PL.20227	C	Consumer	7.44Y	124.0	0.00	2.05	0.08	0	1	0	100	0.00	0.0	2.822	0.000	1	0	1	1
PL.26396	PL.14093	C	4ACSR	7.44Y	124.0	0.00	2.02	0.23	0	1	1	71	0.00	0.0	2.774	0.019	0	0	0	1
PD.2044	PL.26396	C	fuse6AMP	7.44Y	124.0	0.00	2.02	0.23	4	1	1	71	0.00	0.0	2.774	0.000	0	0	0	1
PL.26397	PD.2044	C	4ACSR	7.44Y	124.0	0.00	2.02	0.23	0	1	1	71	0.00	0.0	2.832	0.058	0	0	0	1
083413	PL.26397	C	Consumer	7.44Y	124.0	0.00	2.02	0.23	0	1	1	71	0.00	0.0	2.832	0.000	1	1	1	1

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

Unbalanced Voltage Drop Report
Source: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
083408	PL.26397	C	Consumer	7.44Y	124.0	0.00	2.02	0.00	0	0	0	100	0.00	0.0	2.832	0.000	0	0	0	0
083450	PL.14093	C	Consumer	7.44Y	124.0	0.00	2.02	0.00	0	0	0	100	0.00	0.0	2.755	0.000	0	0	1	1
PL.18608	PL.14092	C	4ACSR	7.44Y	124.0	0.00	1.97	8.81	5	57	33	87	0.00	0.0	2.659	0.006	0	0	0	28
PD.3454	PL.18608	C	25V4E	7.44Y	124.0	0.00	1.97	8.81	35	57	33	87	0.00	0.0	2.659	0.000	0	0	0	28
PL.18609	PD.3454	C	4ACSR	7.44Y	124.0	0.02	1.99	8.81	5	57	33	87	0.01	0.0	2.712	0.053	0	0	0	28
PL.8444	PL.18609	C	4ACSR	7.44Y	124.0	0.03	2.02	8.05	4	52	30	87	0.01	0.0	2.780	0.068	0	0	0	26
PL.4740	PL.8444	C	4ACSR	7.44Y	124.0	0.00	2.02	0.50	0	3	2	83	0.00	0.0	2.888	0.108	0	0	0	2
084406	PL.4740	C	Consumer	7.44Y	124.0	0.00	2.02	0.14	0	1	1	71	0.00	0.0	2.888	0.000	1	1	1	1
PL.8452	PL.4740	C	4ACSR	7.44Y	124.0	0.00	2.02	0.37	0	2	1	89	0.00	0.0	2.919	0.031	0	0	0	1
084433	PL.8452	C	Consumer	7.44Y	124.0	0.00	2.02	0.37	0	2	1	89	0.00	0.0	2.919	0.000	2	1	1	1
PL.8453	PL.8452	C	4ACSR	7.44Y	124.0	0.00	2.02	0.00	0	0	0	100	0.00	0.0	2.947	0.028	0	0	0	0
083414	PL.8444	C	Consumer	7.44Y	124.0	0.00	2.02	1.12	0	7	4	87	0.00	0.0	2.780	0.000	7	4	1	1
PL.26402	PL.8444	C	4ACSR	7.44Y	124.0	0.00	2.02	0.32	0	2	1	89	0.00	0.0	2.801	0.021	0	0	0	1
PD.2045	PL.26402	C	fuse6AMP	7.44Y	124.0	0.00	2.02	0.32	5	2	1	89	0.00	0.0	2.801	0.000	0	0	0	1
PL.26403	PD.2045	C	4ACSR	7.44Y	124.0	0.00	2.02	0.32	0	2	1	89	0.00	0.0	2.858	0.057	0	0	0	1
083452	PL.26403	C	Consumer	7.44Y	124.0	0.00	2.02	0.32	0	2	1	89	0.00	0.0	2.858	0.000	2	1	1	1
PL.13049	PL.8444	C	4ACSR	7.44Y	124.0	0.02	2.04	6.10	3	39	23	86	0.01	0.0	2.848	0.068	0	0	0	22
PL.13050	PL.13049	C	4ACSR	7.44Y	123.9	0.01	2.05	5.53	3	36	20	87	0.00	0.0	2.901	0.053	0	0	0	21
084401	PL.13050	C	Consumer	7.44Y	123.9	0.00	2.05	0.00	0	0	0	100	0.00	0.0	2.901	0.000	0	0	1	1
084425	PL.13050	C	Consumer	7.44Y	123.9	0.00	2.05	0.13	0	1	0	100	0.00	0.0	2.901	0.000	1	0	1	1
084422	PL.13050	C	Consumer	7.44Y	123.9	0.00	2.05	0.37	0	2	1	89	0.00	0.0	2.901	0.000	2	1	1	1
PL.8441	PL.13050	C	4ACSR	7.44Y	123.9	0.02	2.07	4.58	2	30	17	87	0.00	0.0	2.996	0.096	0	0	0	16
PL.8456	PL.8441	C	4ACSR	7.44Y	123.9	0.01	2.08	4.08	2	26	15	87	0.00	0.0	3.023	0.026	0	0	0	12
084437	PL.8456	C	Consumer	7.44Y	123.9	0.00	2.08	0.22	0	1	1	71	0.00	0.0	3.023	0.000	1	1	1	1
PL.13051	PL.8456	C	4ACSR	7.43Y	123.9	0.01	2.09	3.12	2	20	12	86	0.00	0.0	3.097	0.074	0	0	0	9
PL.4739	PL.13051	C	4ACSR	7.43Y	123.9	0.01	2.10	2.62	1	17	10	86	0.00	0.0	3.175	0.079	0	0	0	6
PL.5212	PL.4739	C	4ACSR	7.43Y	123.9	0.00	2.10	1.18	1	8	4	89	0.00	0.0	3.252	0.076	0	0	0	2
PL.5215	PL.5212	C	4ACSR	7.43Y	123.9	0.01	2.11	0.84	0	5	3	86	0.00	0.0	3.384	0.132	0	0	0	1
084435	PL.5215	C	Consumer	7.43Y	123.9	0.00	2.11	0.84	0	5	3	86	0.00	0.0	3.384	0.000	5	3	1	1
084432	PL.5212	C	Consumer	7.43Y	123.9	0.00	2.10	0.35	0	2	1	89	0.00	0.0	3.252	0.000	2	1	1	1
PL.5213	PL.4739	C	4ACSR	7.43Y	123.9	0.00	2.10	1.05	1	7	4	87	0.00	0.0	3.238	0.063	0	0	0	2
084434	PL.5213	C	Consumer	7.43Y	123.9	0.00	2.10	0.22	0	1	1	71	0.00	0.0	3.238	0.000	1	1	1	1
084431	PL.5213	C	Consumer	7.43Y	123.9	0.00	2.10	0.84	0	5	3	86	0.00	0.0	3.238	0.000	5	3	1	1
084428	PL.4739	C	Consumer	7.43Y	123.9	0.00	2.10	0.14	0	1	1	71	0.00	0.0	3.175	0.000	1	1	1	1
084417	PL.4739	C	Consumer	7.43Y	123.9	0.00	2.10	0.24	0	2	1	89	0.00	0.0	3.175	0.000	2	1	1	1
PL.30339	PL.13051	C	4ACSR	7.43Y	123.9	0.00	2.09	0.00	0	0	0	100	0.00	0.0	3.245	0.148	0	0	0	1
PL.13053	PL.30339	C	4ACSR	7.43Y	123.9	0.00	2.09	0.00	0	0	0	100	0.00	0.0	3.466	0.221	0	0	0	1
084412	PL.13053	C	Consumer	7.43Y	123.9	0.00	2.09	0.00	0	0	0	100	0.00	0.0	3.466	0.000	0	0	1	1

Unbalanced Voltage Drop Report
Source: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.8436	PL.13053	C	4ACSR	7.43Y	123.9	0.00	2.09	0.00	0	0	0	100	0.00	0.0	3.839	0.373	0	0	0	0
084415	PL.8436	C	Consumer	7.43Y	123.9	0.00	2.09	0.00	0	0	0	100	0.00	0.0	3.839	0.000	0	0	0	0
PL.4737	PL.30339	C	4ACSR	7.43Y	123.9	0.00	2.09	0.00	0	0	0	100	0.00	0.0	3.311	0.066	0	0	0	0
084430	PL.13051	C	Consumer	7.43Y	123.9	0.00	2.09	0.26	0	2	1	89	0.00	0.0	3.097	0.000	2	1	1	1
084427	PL.13051	C	Consumer	7.43Y	123.9	0.00	2.09	0.24	0	2	1	89	0.00	0.0	3.097	0.000	2	1	1	1
PL.4738	PL.8456	C	4ACSR	7.44Y	123.9	0.00	2.08	0.74	0	5	3	86	0.00	0.0	3.088	0.066	0	0	0	2
084407	PL.4738	C	Consumer	7.44Y	123.9	0.00	2.08	0.15	0	1	1	71	0.00	0.0	3.088	0.000	1	1	1	1
084424	PL.4738	C	Consumer	7.44Y	123.9	0.00	2.08	0.59	0	4	2	89	0.00	0.0	3.088	0.000	4	2	1	1
084409	PL.4738	C	Consumer	7.44Y	123.9	0.00	2.08	0.00	0	0	0	100	0.00	0.0	3.088	0.000	0	0	0	0
084423	PL.8441	C	Consumer	7.44Y	123.9	0.00	2.07	0.16	0	1	1	71	0.00	0.0	2.996	0.000	1	1	1	1
084419	PL.8441	C	Consumer	7.44Y	123.9	0.00	2.07	0.09	0	1	0	100	0.00	0.0	2.996	0.000	1	0	1	1
084436	PL.8441	C	Consumer	7.44Y	123.9	0.00	2.07	0.00	0	0	0	100	0.00	0.0	2.996	0.000	0	0	1	1
084418	PL.8441	C	Consumer	7.44Y	123.9	0.00	2.07	0.24	0	2	1	89	0.00	0.0	2.996	0.000	2	1	1	1
PL.8450	PL.13050	C	4ACSR	7.44Y	123.9	0.00	2.05	0.45	0	3	2	83	0.00	0.0	2.982	0.081	0	0	0	2
PL.8451	PL.8450	C	4ACSR	7.44Y	123.9	0.00	2.05	0.34	0	2	1	89	0.00	0.0	3.047	0.065	0	0	0	1
084426	PL.8451	C	Consumer	7.44Y	123.9	0.00	2.05	0.34	0	2	1	89	0.00	0.0	3.047	0.000	2	1	1	1
084429	PL.8450	C	Consumer	7.44Y	123.9	0.00	2.05	0.11	0	1	0	100	0.00	0.0	2.982	0.000	1	0	1	1
PL.33894	PL.13049	C	2ACSR	7.44Y	124.0	0.00	2.04	0.57	0	4	2	89	0.00	0.0	2.909	0.061	0	0	0	1
0844038	PL.33894	C	Consumer	7.44Y	124.0	0.00	2.04	0.57	0	4	2	89	0.00	0.0	2.909	0.000	4	2	1	1
PL.4741	PL.13049	C	4ACSR	7.44Y	124.0	0.00	2.04	0.00	0	0	0	100	0.00	0.0	2.943	0.095	0	0	0	0
084402	PL.4741	C	Consumer	7.44Y	124.0	0.00	2.04	0.00	0	0	0	100	0.00	0.0	2.943	0.000	0	0	0	0
083403	PL.18609	C	Consumer	7.44Y	124.0	0.00	1.99	0.19	0	1	1	71	0.00	0.0	2.712	0.000	1	1	1	1
083443	PL.18609	C	Consumer	7.44Y	124.0	0.00	1.99	0.58	0	4	2	89	0.00	0.0	2.712	0.000	4	2	1	1
PL.26400	PL.26399	C	4ACSR	7.44Y	124.1	0.00	1.93	0.18	0	1	1	71	0.00	0.0	2.633	0.020	0	0	0	1
PD.2043	PL.26400	C	fuse6AMP	7.44Y	124.1	0.00	1.93	0.18	3	1	1	71	0.00	0.0	2.633	0.000	0	0	0	1
PL.26401	PD.2043	C	4ACSR	7.44Y	124.1	0.00	1.93	0.18	0	1	1	71	0.00	0.0	2.702	0.069	0	0	0	1
083449	PL.26401	C	Consumer	7.44Y	124.1	0.00	1.93	0.18	0	1	1	71	0.00	0.0	2.702	0.000	1	1	1	1
083405	PL.26401	C	Consumer	7.44Y	124.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	2.702	0.000	0	0	0	0
PL.4742	PL.14091	A	4ACSR	7.56Y	126.0	0.01	0.02	4.66	2	30	18	86	0.01	0.0	2.443	0.064	0	0	0	0
		B		7.49Y	124.8	0.01	1.23	4.71	2	30	18	85					0	0	0	0
		C		7.46Y	124.3	0.01	1.73	4.73	2	30	18	85					0	0	0	1
PL.4744	PL.4742	A	1/0EPRJCN	7.56Y	126.0	0.00	0.03	4.66	2	30	18	86	0.00	0.0	2.490	0.047	0	0	0	0
		B		7.49Y	124.8	0.00	1.23	4.71	2	30	18	85					0	0	0	0
		C		7.46Y	124.3	0.00	1.74	4.73	2	30	18	85					0	0	0	0
083447	PL.4744	A	Consumer	7.56Y	126.0	0.00	0.03	4.68	0	30	19	84	0.00	0.0	2.490	0.000	30	19	0	0
		B		7.49Y	124.8	0.00	1.23	4.72	0	30	19	85					30	19	0	0
		C		7.46Y	124.3	0.00	1.74	4.74	0	30	19	85					30	19	0	0
083444	PL.4742	C	Consumer	7.46Y	124.3	0.00	1.73	0.00	0	0	0	100	0.00	0.0	2.443	0.000	0	0	0	0
083448	PL.4742	C	Consumer	7.46Y	124.3	0.00	1.73	0.01	0	0	0	100	0.00	0.0	2.443	0.000	0	0	1	1
PL.30337	PL.14091	A	4ACSR	7.56Y	126.0	0.00	0.01	1.36	1	9	4	91	0.00	0.0	2.387	0.008	0	0	0	1
PD.3822	PL.30337	A	fuse6AMP	7.56Y	126.0	0.00	0.01	1.36	23	9	4	91	0.00	0.0	2.387	0.000	0	0	0	1

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

Unbalanced Voltage Drop Report
Source: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.30338	PD.3822	A	4ACSR	7.56Y	126.0	0.00	0.01	1.36	1	9	4	91	0.00	0.0	2.445	0.057	0	0	0	1
PL.4745	PL.30338	A	4ACSR	7.56Y	126.0	0.00	0.02	1.36	1	9	4	91	0.00	0.0	2.506	0.062	0	0	0	1
083406	PL.4745	A	Consumer	7.56Y	126.0	0.00	0.02	1.36	0	9	4	91	0.00	0.0	2.506	0.000	9	4	1	1
083446	PL.14090	A	Consumer	7.56Y	126.0	0.00	0.01	0.12	0	1	0	100	0.00	0.0	2.282	0.000	1	0	1	1
		B		7.49Y	124.8	0.00	1.20	0.12	0	1	0	90					1	0	1	1
PL.26785	PL.6959	A	4ACSR	7.56Y	126.0	0.00	-0.04	0.17	0	1	1	71	0.00	0.0	1.516	0.007	0	0	0	1
PD.2443	PL.26785	A	fuse6AMP	7.56Y	126.0	0.00	-0.04	0.17	3	1	1	71	0.00	0.0	1.516	0.000	0	0	0	1
PL.26786	PD.2443	A	4ACSR	7.56Y	126.0	0.00	-0.03	0.17	0	1	1	71	0.00	0.0	1.553	0.037	0	0	0	1
521703	PL.26786	A	Consumer	7.56Y	126.0	0.00	-0.03	0.17	0	1	1	71	0.00	0.0	1.553	0.000	1	1	1	1
521803	PL.17950	B	Consumer	7.51Y	125.1	0.00	0.90	0.10	0	1	0	100	0.00	0.0	1.243	0.000	1	0	1	1
521910	PL.6961	A	Consumer	7.56Y	126.1	0.00	-0.07	0.16	0	1	1	71	0.00	0.0	1.134	0.000	1	1	1	1
521904	PL.6961	C	Consumer	7.54Y	125.6	0.00	0.40	0.10	0	1	0	100	0.00	0.0	1.134	0.000	1	0	1	1
521909	PL.6961	C	Consumer	7.54Y	125.6	0.00	0.40	0.62	0	4	2	89	0.00	0.0	1.134	0.000	4	2	1	1
521912	PL.6964	C	Consumer	7.54Y	125.6	0.00	0.38	0.05	0	0	0	100	0.00	0.0	1.087	0.000	0	0	1	1
521911	PL.6964	B	Consumer	7.51Y	125.2	0.00	0.82	0.02	0	0	0	100	0.00	0.0	1.087	0.000	0	0	1	1
521906	PL.6964	B	Consumer	7.51Y	125.2	0.00	0.82	0.00	0	0	0	100	0.00	0.0	1.087	0.000	0	0	0	0
521907	PL.6964	C	Consumer	7.54Y	125.6	0.00	0.38	0.52	0	4	2	89	0.00	0.0	1.087	0.000	4	2	1	1
5219014	PL.6964	B	Consumer	7.51Y	125.2	0.00	0.82	0.88	0	6	3	89	0.00	0.0	1.087	0.000	6	3	1	1
PL.26778	PL.7223	C	4ACSR	7.54Y	125.6	0.00	0.35	0.53	0	3	2	83	0.00	0.0	1.035	0.011	0	0	0	4
PD.2435	PL.26778	C	fuse6AMP	7.54Y	125.6	0.00	0.35	0.53	9	3	2	83	0.00	0.0	1.035	0.000	0	0	0	4
PL.26779	PD.2435	C	4ACSR	7.54Y	125.6	0.00	0.36	0.53	0	3	2	83	0.00	0.0	1.097	0.063	0	0	0	4
PL.6962	PL.26779	C	4ACSR	7.54Y	125.6	0.00	0.36	0.14	0	1	1	71	0.00	0.0	1.141	0.043	0	0	0	1
PL.6963	PL.6962	C	4ACSR	7.54Y	125.6	0.00	0.36	0.00	0	0	0	100	0.00	0.0	1.159	0.018	0	0	0	0
522905	PL.6962	C	Consumer	7.54Y	125.6	0.00	0.36	0.14	0	1	1	71	0.00	0.0	1.141	0.000	1	1	1	1
522901	PL.26779	C	Consumer	7.54Y	125.6	0.00	0.36	0.06	0	0	0	100	0.00	0.0	1.097	0.000	0	0	1	1
522904	PL.26779	C	Consumer	7.54Y	125.6	0.00	0.36	0.33	0	2	1	89	0.00	0.0	1.097	0.000	2	1	1	1
522902	PL.26779	C	Consumer	7.54Y	125.6	0.00	0.36	0.00	0	0	0	100	0.00	0.0	1.097	0.000	0	0	1	1
523002	PL.7223	B	Consumer	7.51Y	125.2	0.00	0.78	0.01	0	0	0	100	0.00	0.0	1.023	0.000	0	0	1	1
522911	PL.7223	C	Consumer	7.54Y	125.6	0.00	0.35	0.21	0	1	1	71	0.00	0.0	1.023	0.000	1	1	1	1
524002	PL.6954	B	Consumer	7.52Y	125.3	0.00	0.74	0.11	0	1	0	100	0.00	0.0	0.974	0.000	1	0	1	1
524001	PL.6954	B	Consumer	7.52Y	125.3	0.00	0.74	0.01	0	0	0	100	0.00	0.0	0.974	0.000	0	0	1	1
523901	PL.6954	B	Consumer	7.52Y	125.3	0.00	0.74	0.00	0	0	0	100	0.00	0.0	0.974	0.000	0	0	0	0
523001	PL.6954	C	Consumer	7.54Y	125.7	0.00	0.34	0.52	0	3	2	83	0.00	0.0	0.974	0.000	3	2	1	1
PL.26776	PL.19155	B	4ACSR	7.52Y	125.3	0.00	0.68	1.23	1	8	5	85	0.00	0.0	0.897	0.015	0	0	0	2
PD.2437	PL.26776	B	fuse6AMP	7.52Y	125.3	0.00	0.68	1.23	21	8	5	85	0.00	0.0	0.897	0.000	0	0	0	2
PL.26777	PD.2437	B	4ACSR	7.52Y	125.3	0.00	0.68	1.23	1	8	5	85	0.00	0.0	0.964	0.067	0	0	0	2
524003	PL.26777	B	Consumer	7.52Y	125.3	0.00	0.68	0.00	0	0	0	100	0.00	0.0	0.964	0.000	0	0	1	1
523905	PL.26777	B	Consumer	7.52Y	125.3	0.00	0.68	1.23	0	8	5	85	0.00	0.0	0.964	0.000	8	5	1	1
524005	PL.19155	A	Consumer	7.56Y	126.1	0.00	-0.05	0.58	0	4	2	89	0.00	0.0	0.882	0.000	4	2	1	1

Unbalanced Voltage Drop Report
Source: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.26774	PL.7222	B	4ACSR	7.52Y	125.4	0.00	0.59	0.69	0	5	3	86	0.00	0.0	0.773	0.013	0	0	0	2
PD.2436	PL.26774	B	fuse6AMP	7.52Y	125.4	0.00	0.59	0.69	12	5	3	86	0.00	0.0	0.773	0.000	0	0	0	2
PL.26775	PD.2436	B	4ACSR	7.52Y	125.4	0.00	0.59	0.69	0	5	3	86	0.00	0.0	0.815	0.042	0	0	0	2
525903	PL.26775	B	Consumer	7.52Y	125.4	0.00	0.59	0.39	0	3	1	95	0.00	0.0	0.815	0.000	3	1	1	1
525904	PL.26775	B	Consumer	7.52Y	125.4	0.00	0.59	0.30	0	2	1	89	0.00	0.0	0.815	0.000	2	1	1	1
525901	PL.26775	B	Consumer	7.52Y	125.4	0.00	0.59	0.00	0	0	0	100	0.00	0.0	0.815	0.000	0	0	0	0
525001	PL.7222	B	Consumer	7.52Y	125.4	0.00	0.58	0.70	0	5	3	86	0.00	0.0	0.759	0.000	5	3	1	1
527901	PL.19445	B	Consumer	7.53Y	125.6	0.00	0.44	0.29	0	2	1	89	0.00	0.0	0.569	0.000	2	1	1	1
526901	PL.19445	B	Consumer	7.53Y	125.6	0.00	0.44	0.15	0	1	1	71	0.00	0.0	0.569	0.000	1	1	1	1
527003	PL.19445	B	Consumer	7.53Y	125.6	0.00	0.44	0.24	0	2	1	89	0.00	0.0	0.569	0.000	2	1	1	1
528901	PL.7221	C	Consumer	7.55Y	125.8	0.00	0.16	0.71	0	5	3	86	0.00	0.0	0.481	0.000	5	3	1	1
PL.26738	PL.14081	A	4ACSR	7.56Y	126.0	0.00	-0.02	1.09	1	7	4	87	0.00	0.0	0.413	0.011	0	0	0	2
PD.2438	PL.26738	A	fuse6AMP	7.56Y	126.0	0.00	-0.02	1.09	19	7	4	87	0.00	0.0	0.413	0.000	0	0	0	2
PL.26739	PD.2438	A	4ACSR	7.56Y	126.0	0.00	-0.02	1.09	1	7	4	87	0.00	0.0	0.452	0.039	0	0	0	2
PL.3502	PL.26739	A	4ACSR	7.56Y	126.0	0.00	-0.02	0.00	0	0	0	100	0.00	0.0	0.479	0.027	0	0	0	0
529901	PL.3502	A	Consumer	7.56Y	126.0	0.00	-0.02	0.00	0	0	0	100	0.00	0.0	0.479	0.000	0	0	0	0
528903	PL.26739	A	Consumer	7.56Y	126.0	0.00	-0.02	0.68	0	4	3	80	0.00	0.0	0.452	0.000	4	3	1	1
528906	PL.26739	A	Consumer	7.56Y	126.0	0.00	-0.02	0.42	0	3	2	83	0.00	0.0	0.452	0.000	3	2	1	1
529004	PL.14081	B	Consumer	7.54Y	125.7	0.00	0.31	0.00	0	0	0	100	0.00	0.0	0.402	0.000	0	0	1	1
529003	PL.14081	B	Consumer	7.54Y	125.7	0.00	0.31	0.11	0	1	0	100	0.00	0.0	0.402	0.000	1	0	1	1
529001	PL.14081	B	Consumer	7.54Y	125.7	0.00	0.31	0.16	0	1	1	71	0.00	0.0	0.402	0.000	1	1	1	1
PL.17913	BOWEN	A	397ACSR	7.56Y	126.0	0.01	0.01	79.20	10	589	-109	-98	0.12	0.0	0.033	0.033	0	0	0	77
		B		7.56Y	126.0	-0.01	-0.01	65.49	8	460	-182	-93					0	0	0	3
		C		7.56Y	126.0	0.00	0.00	65.25	8	458	-183	-93					0	0	0	3
PD.739-A	PL.17913	A	Closed	7.56Y	126.0	0.00	0.01	79.20	0	589	-109	-98	0.00	0.0	0.033	0.000	0	0	0	77
		B		7.56Y	126.0	0.00	-0.01	65.49	0	460	-182	-93					0	0	0	3
		C		7.56Y	126.0	0.00	0.00	65.25	0	458	-183	-93					0	0	0	3
PD.739-B	PD.739-A	A	Closed	7.56Y	126.0	0.00	0.01	79.20	0	589	-109	-98	0.00	0.0	0.033	0.000	0	0	0	77
		B		7.56Y	126.0	0.00	-0.01	65.49	0	460	-182	-93					0	0	0	3
		C		7.56Y	126.0	0.00	0.00	65.25	0	458	-183	-93					0	0	0	3
PL.29138	PD.739-B	A	397ACSR	7.56Y	126.0	0.00	0.01	79.20	10	589	-109	-98	0.03	0.0	0.042	0.009	0	0	0	77
		B		7.56Y	126.0	-0.00	-0.01	65.49	8	460	-182	-93					0	0	0	3
		C		7.56Y	126.0	0.00	0.00	65.25	8	458	-183	-93					0	0	0	3
PL.32940	PL.29138	A	397ACSR	7.56Y	126.0	0.00	0.01	79.20	10	589	-109	-98	0.01	0.0	0.045	0.003	0	0	0	77
		B		7.56Y	126.0	-0.00	-0.01	65.49	8	460	-182	-93					0	0	0	3
		C		7.56Y	126.0	0.00	0.00	65.25	8	458	-183	-93					0	0	0	3
---------- Feeder No. 2 (BOWEN2) Beginning with Device PD.3931 ----------																				
PD.3931	PL.32940	A	VWVE	7.56Y	126.0	0.00	0.01	79.20	0	589	-109	-98	0.00	0.0	0.045	0.000	0	0	0	77
		B		7.56Y	126.0	0.00	-0.01	65.49	0	460	-182	-93					0	0	0	3
		C		7.56Y	126.0	0.00	0.00	65.25	0	458	-183	-93					0	0	0	3
PL.32941	PD.3931	A	397ACSR	7.56Y	126.0	0.01	0.02	79.20	10	589	-109	-98	0.14	0.0	0.085	0.040	0	0	0	77
		B		7.56Y	126.0	-0.01	-0.01	65.49	8	460	-182	-93					0	0	0	3
		C		7.56Y	126.0	0.00	0.00	65.25	8	458	-183	-93					0	0	0	3
PD.742-A	PL.32941	A	Closed	7.56Y	126.0	0.00	0.02	79.20	0	589	-109	-98	0.00	0.0	0.085	0.000	0	0	0	77
		B		7.56Y	126.0	0.00	-0.01	65.49	0	460	-182	-93					0	0	0	3
		C		7.56Y	126.0	0.00	0.00	65.25	0	458	-184	-93					0	0	0	3

Unbalanced Voltage Drop Report
Source: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
	PD.742-B	PD.742-A	A	Closed	7.56Y	126.0	0.00	0.02	79.20	0	589	-109	-98	0.00	0.0	0.085	0.000	0	0	0	77	
			B		7.56Y	126.0	0.00	-0.01	65.49	0	460	-182	-93					0	0	0	3	
			C		7.56Y	126.0	0.00	0.00	65.25	0	458	-184	-93					0	0	0	3	
	PL.19382	PD.742-B	A	397ACSR	7.56Y	126.0	0.00	0.02	79.20	10	589	-109	-98	0.02	0.0	0.089	0.004	0	0	0	77	
			B		7.56Y	126.0	-0.00	-0.01	65.49	8	460	-182	-93					0	0	0	3	
			C		7.56Y	126.0	0.00	0.00	65.25	8	458	-184	-93					0	0	0	3	
P	CP.38	PL.19382	A	Cap (300)	7.56Y	126.0	0.00	0.02	-14.58	0	0	-110	0	0.00	0.0	0.089	0.000	0	0	0	0	P
P			B		7.56Y	126.0	0.00	-0.01	-14.58	0	0	-110	0					0	0	0	0	P
P			C		7.56Y	126.0	0.00	0.00	-14.58	0	0	-110	0					0	0	0	0	P
	PL.19383	PL.19382	A	397ACSR	7.56Y	126.0	0.00	0.03	77.87	10	589	1	100	0.03	0.0	0.099	0.010	0	0	0	77	
			B		7.56Y	126.0	0.00	-0.01	61.63	8	460	-72	-99					0	0	0	3	
			C		7.56Y	126.0	0.00	0.00	61.33	8	458	-73	-99					0	0	0	3	
	PL.8442	PL.19383	A	397ACSR	7.56Y	125.9	0.04	0.06	77.87	10	589	1	100	0.28	0.0	0.186	0.087	0	0	0	77	
			B		7.56Y	126.0	0.00	-0.01	61.63	8	460	-72	-99					0	0	0	3	
			C		7.56Y	126.0	0.01	0.02	61.33	8	458	-73	-99					0	0	0	3	
	PL.29066	PL.8442	A	397ACSR	7.56Y	125.9	0.02	0.08	77.87	10	588	0	100	0.16	0.0	0.238	0.052	0	0	0	77	
			B		7.56Y	126.0	-0.00	-0.01	60.78	7	453	-76	-99					0	0	0	2	
			C		7.56Y	126.0	0.01	0.02	61.33	8	458	-74	-99					0	0	0	3	
	PL.20189	PL.29066	A	1/0ACSR	7.55Y	125.9	0.04	0.13	76.60	23	579	-5	-100	0.41	0.0	0.274	0.036	0	0	0	75	
			B		7.56Y	126.0	0.02	0.01	60.78	18	453	-76	-99					0	0	0	2	
			C		7.56Y	125.9	0.03	0.05	60.83	18	453	-76	-99					0	0	0	2	
P	CP.42	PL.20189	A	Cap (300)	7.55Y	125.9	0.00	0.13	-14.57	0	0	-110	0	0.00	0.0	0.274	0.000	0	0	0	0	P
P			B		7.56Y	126.0	0.00	0.01	-14.58	0	0	-110	0					0	0	0	0	P
P			C		7.56Y	125.9	0.00	0.05	-14.58	0	0	-110	0					0	0	0	0	P
	PL.20190	PL.20189	A	1/0ACSR	7.55Y	125.8	0.06	0.19	77.85	24	579	105	98	0.48	0.0	0.316	0.042	0	0	0	75	
			B		7.56Y	126.0	0.03	0.04	60.12	18	453	34	100					0	0	0	2	
			C		7.55Y	125.9	0.04	0.09	60.16	18	453	34	100					0	0	0	2	
	PL.8455	PL.20190	A	1/0ACSR	7.55Y	125.8	0.05	0.24	77.85	24	578	105	98	0.40	0.0	0.351	0.035	0	0	0	75	
			B		7.56Y	125.9	0.03	0.06	60.12	18	453	34	100					0	0	0	2	
			C		7.55Y	125.9	0.03	0.12	60.16	18	453	34	100					0	0	0	2	
	084526	PL.8455	A	Consumer	7.55Y	125.8	0.00	0.24	0.91	0	6	3	89	0.00	0.0	0.351	0.000	6	3	1	1	
	084545	PL.8455	A	Consumer	7.55Y	125.8	0.00	0.24	0.71	0	5	2	93	0.00	0.0	0.351	0.000	5	2	1	1	
	PL.28290	PL.8455	A	1/0ACSR	7.54Y	125.7	0.05	0.28	76.29	23	567	99	99	0.37	0.0	0.384	0.033	0	0	0	73	
			B		7.55Y	125.9	0.03	0.09	60.12	18	453	34	100					0	0	0	2	
			C		7.55Y	125.8	0.03	0.15	60.16	18	453	34	100					0	0	0	2	
	PL.28291	PL.28290	A	1/0ACSR	7.54Y	125.6	0.09	0.37	59.95	18	443	91	98	0.48	0.0	0.459	0.075	0	0	0	73	
			B		7.55Y	125.9	0.04	0.13	43.69	13	329	26	100					0	0	0	2	
			C		7.55Y	125.8	0.05	0.21	43.73	13	329	25	100					0	0	0	2	
	084516	PL.28291	B	Consumer	7.55Y	125.9	0.00	0.13	0.00	0	0	0	100	0.00	0.0	0.459	0.000	0	0	0	0	
	PL.19876	PL.28291	A	1/0ACSR	7.54Y	125.6	0.03	0.39	59.95	18	443	90	98	0.14	0.0	0.481	0.022	0	0	0	73	
			B		7.55Y	125.9	0.01	0.14	43.69	13	329	25	100					0	0	0	2	
			C		7.55Y	125.8	0.02	0.22	43.73	13	329	25	100					0	0	0	2	
	084554	PL.19876	A	Consumer	7.54Y	125.6	0.00	0.39	0.00	0	0	0	100	0.00	0.0	0.481	0.000	0	0	0	0	
	PL.19844	PL.19876	A	1/0ACSR	7.54Y	125.6	0.00	0.40	8.27	3	62	8	99	0.00	0.0	0.495	0.013	0	0	0	1	
			B		7.55Y	125.9	0.00	0.14	8.25	3	62	8	99					0	0	0	1	
			C		7.55Y	125.8	0.00	0.22	8.26	3	62	8	99					0	0	0	1	
	PD.743	PL.19844	A	fuse15AMP	7.54Y	125.6	0.00	0.40	8.27	55	62	8	99	0.00	0.0	0.495	0.000	0	0	0	1	
			B		7.55Y	125.9	0.00	0.14	8.25	55	62	8	99					0	0	0	1	
			C		7.55Y	125.8	0.00	0.22	8.26	55	62	8	99					0	0	0	1	
	PL.19845	PD.743	A	1/0ACSR	7.54Y	125.6	0.01	0.40	8.27	3	62	8	99	0.01	0.0	0.543	0.048	0	0	0	1	
			B		7.55Y	125.9	0.01	0.15	8.25	3	62	8	99					0	0	0	1	
			C		7.55Y	125.8	0.01	0.23	8.26	3	62	8	99					0	0	0	1	
	PL.24561	PL.19845	A	1/0ACSR	7.54Y	125.6	0.01	0.41	7.53	2	56	6	99	0.01	0.0	0.620	0.077	0	0	0	0	
			B		7.55Y	125.8	0.01	0.16	7.51	2	56	6	99					0	0	0	0	
			C		7.55Y	125.8	0.01	0.24	7.52	2	56	6	99					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: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.24562	PL.24561	A	1/0ACSR	7.53Y	125.6	0.01	0.43	7.53	2	56	6	99	0.02	0.0	0.741	0.122	0	0	0	0
		B		7.55Y	125.8	0.01	0.17	7.51	2	56	6	99					0	0	0	0
		C		7.54Y	125.7	0.01	0.25	7.52	2	56	6	99					0	0	0	0
PL.36764	PL.24562	A	1/0ACSR	7.53Y	125.6	0.01	0.44	7.53	2	56	6	99	0.02	0.0	0.851	0.110	0	0	0	0
		B		7.55Y	125.8	0.01	0.18	7.51	2	56	6	99					0	0	0	0
		C		7.54Y	125.7	0.01	0.27	7.52	2	56	6	99					0	0	0	0
PL.36765	PL.36764	A	1/0EPRJCN	7.53Y	125.6	0.00	0.44	7.53	4	56	6	99	0.00	0.0	0.877	0.026	0	0	0	0
		B		7.55Y	125.8	0.00	0.19	7.51	4	56	6	99					0	0	0	0
		C		7.54Y	125.7	0.00	0.27	7.52	4	56	6	99					0	0	0	0
084411	PL.36765	A	Consumer	7.53Y	125.6	0.00	0.44	7.53	0	56	6	99	0.00	0.0	0.877	0.000	56	6	0	0
		B		7.55Y	125.8	0.00	0.19	7.52	0	56	6	99					56	6	0	0
		C		7.54Y	125.7	0.00	0.27	7.52	0	56	6	99					56	6	0	0
PL.4736	PL.19845	A	1/0ACSR	7.54Y	125.6	0.00	0.40	0.77	0	5	2	93	0.00	0.0	0.556	0.013	0	0	0	0
		B		7.55Y	125.9	0.00	0.15	0.77	0	5	2	92					0	0	0	0
		C		7.55Y	125.8	0.00	0.23	0.77	0	5	2	92					0	0	0	0
PL.24560	PL.4736	A	1/0ACSR	7.54Y	125.6	0.00	0.40	0.77	0	5	2	93	0.00	0.0	0.590	0.033	0	0	0	0
		B		7.55Y	125.9	0.00	0.15	0.77	0	5	2	92					0	0	0	0
		C		7.55Y	125.8	0.00	0.23	0.77	0	5	2	92					0	0	0	0
084539	PL.24560	A	Consumer	7.54Y	125.6	0.00	0.40	0.77	0	5	2	93	0.00	0.0	0.590	0.000	5	2	0	0
		B		7.55Y	125.9	0.00	0.15	0.77	0	5	2	92					5	2	0	0
		C		7.55Y	125.8	0.00	0.23	0.77	0	5	2	92					5	2	0	0
PL.14384	PL.19876	A	1/0ACSR	7.53Y	125.6	0.05	0.44	51.71	16	381	82	98	0.20	0.0	0.527	0.045	0	0	0	72
		B		7.55Y	125.8	0.02	0.16	35.46	11	267	17	100					0	0	0	1
		C		7.55Y	125.8	0.03	0.25	35.48	11	267	17	100					0	0	0	1
PL.17265	PL.14384	A	4ACSR	7.53Y	125.6	0.00	0.44	1.11	1	8	4	89	0.00	0.0	0.536	0.010	0	0	0	1
		B		7.55Y	125.8	0.00	0.16	1.11	1	8	4	90					0	0	0	1
		C		7.55Y	125.8	0.00	0.25	1.11	1	8	4	90					0	0	0	1
PD.2039	PL.17265	A	fuse15AMP	7.53Y	125.6	0.00	0.44	1.11	7	8	4	89	0.00	0.0	0.536	0.000	0	0	0	1
		B		7.55Y	125.8	0.00	0.16	1.11	7	8	4	90					0	0	0	1
		C		7.55Y	125.8	0.00	0.25	1.11	7	8	4	90					0	0	0	1
PL.17266	PD.2039	A	1/0ACSR	7.53Y	125.6	0.00	0.44	1.11	0	8	4	89	0.00	0.0	0.572	0.036	0	0	0	1
		B		7.55Y	125.8	0.00	0.16	1.11	0	8	4	90					0	0	0	1
		C		7.55Y	125.8	0.00	0.25	1.11	0	8	4	90					0	0	0	1
PL.24558	PL.17266	A	1/0ACSR	7.53Y	125.6	0.00	0.44	1.04	0	7	3	92	0.00	0.0	0.636	0.064	0	0	0	0
		B		7.55Y	125.8	0.00	0.16	1.04	0	7	3	90					0	0	0	0
		C		7.54Y	125.7	0.00	0.25	1.04	0	7	3	90					0	0	0	0
084560	PL.24558	A	Consumer	7.53Y	125.6	0.00	0.44	1.04	0	7	3	92	0.00	0.0	0.636	0.000	7	3	0	0
		B		7.55Y	125.8	0.00	0.16	1.04	0	7	3	90					7	3	0	0
		C		7.54Y	125.7	0.00	0.25	1.04	0	7	3	90					7	3	0	0
PL.14385	PL.17266	A	1/0ACSR	7.53Y	125.6	0.00	0.44	0.07	0	0	0	100	0.00	0.0	0.596	0.024	0	0	0	0
		B		7.55Y	125.8	0.00	0.16	0.07	0	0	0	85					0	0	0	0
		C		7.55Y	125.8	0.00	0.25	0.07	0	0	0	85					0	0	0	0
084543	PL.14385	A	Consumer	7.53Y	125.6	0.00	0.44	0.07	0	0	0	100	0.00	0.0	0.596	0.000	0	0	0	0
		B		7.55Y	125.8	0.00	0.16	0.07	0	0	0	85					0	0	0	0
		C		7.55Y	125.8	0.00	0.25	0.07	0	0	0	85					0	0	0	0
PL.18530	PL.14384	A	1/0ACSR	7.53Y	125.5	0.06	0.49	50.63	15	373	78	98	0.24	0.0	0.582	0.056	0	0	0	71
		B		7.55Y	125.8	0.02	0.18	34.43	10	260	13	100					0	0	0	0
		C		7.54Y	125.7	0.03	0.28	34.46	10	260	13	100					0	0	0	0
C PD.2041	PL.18530	A	fuse6AMP	7.53Y	125.5	0.00	0.49	50.63	865	373	78	98	0.00	0.0	0.582	0.000	0	0	0	71 C
C		B		7.55Y	125.8	0.00	0.18	34.43	588	260	13	100					0	0	0	0 C
C		C		7.54Y	125.7	0.00	0.28	34.46	589	260	13	100					0	0	0	0 C
PL.18736	PD.2041	A	1/0ACSR	7.53Y	125.5	0.01	0.50	50.63	15	373	78	98	0.03	0.0	0.589	0.007	0	0	0	71
		B		7.55Y	125.8	0.00	0.18	34.43	10	260	13	100					0	0	0	0
		C		7.54Y	125.7	0.00	0.28	34.46	10	260	13	100					0	0	0	0
PL.8437	PL.18736	A	4ACSR	7.53Y	125.4	0.08	0.58	17.36	9	114	65	87	0.07	0.1	0.684	0.095	0	0	0	71
PL.26736	PL.8437	A	4ACSR	7.53Y	125.4	0.00	0.58	0.19	0	1	1	71	0.00	0.0	0.701	0.017	0	0	0	1

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

Unbalanced Voltage Drop Report
Source: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PD.2042	PL.26736	A	fuse6AMP	7.53Y	125.4	0.00	0.58	0.19	3	1	1	71	0.00	0.0	0.701	0.000	0	0	0	1	
PL.26737	PD.2042	A	4ACSR	7.53Y	125.4	0.00	0.58	0.19	0	1	1	71	0.00	0.0	0.767	0.066	0	0	0	1	
084527	PL.26737	A	Consumer	7.53Y	125.4	0.00	0.58	0.19	0	1	1	71	0.00	0.0	0.767	0.000	1	1	1	1	
0845064	PL.26737	A	Consumer	7.53Y	125.4	0.00	0.58	0.00	0	0	0	100	0.00	0.0	0.767	0.000	0	0	0	0	
PL.20725	PL.8437	A	4ACSR	7.52Y	125.4	0.01	0.59	16.52	9	108	62	87	0.01	0.0	0.695	0.011	0	0	0	69	
PD.3655	PL.20725	A	0VXE	7.52Y	125.4	0.00	0.59	16.52	0	108	62	87	0.00	0.0	0.695	0.000	0	0	0	69	
PL.20726	PD.3655	A	4ACSR	7.52Y	125.4	0.06	0.64	16.52	9	108	62	87	0.05	0.0	0.771	0.076	0	0	0	69	
PL.39606	PL.20726	A	4ACSR	7.51Y	125.2	0.20	0.84	15.78	8	103	59	87	0.16	0.2	1.043	0.272	0	0	0	68	
0845063	PL.39606	A	Consumer	7.51Y	125.2	0.00	0.84	0.37	0	2	1	89	0.00	0.0	1.043	0.000	2	1	1	1	
PL.39607	PL.39606	A	4ACSR	7.50Y	125.0	0.16	1.01	15.41	8	100	58	87	0.13	0.1	1.272	0.229	0	0	0	67	
PL.20142	PL.39607	A	4ACSR	7.50Y	125.0	0.04	1.05	15.11	8	98	56	87	0.03	0.0	1.324	0.052	0	0	0	65	
PL.20143	PL.20142	A	4ACSR	7.49Y	124.9	0.07	1.12	14.64	8	95	55	87	0.05	0.1	1.428	0.104	0	0	0	64	
084559	PL.20143	A	Consumer	7.49Y	124.9	0.00	1.12	0.71	0	5	3	86	0.00	0.0	1.428	0.000	5	3	1	1	
PL.8454	PL.20143	A	4ACSR	7.49Y	124.9	0.03	1.14	13.92	7	90	52	87	0.02	0.0	1.472	0.044	0	0	0	63	
PL.37974	PL.8454	A	4ACSR	7.49Y	124.9	0.00	1.15	13.92	7	90	52	87	0.00	0.0	1.479	0.007	0	0	0	63	
PL.37975	PL.37974	A	4ACSR	7.49Y	124.8	0.03	1.18	13.90	7	90	52	87	0.02	0.0	1.532	0.052	0	0	0	62	
PL.242	PL.37975	A	4ACSR	7.48Y	124.6	0.18	1.36	13.90	7	90	52	87	0.13	0.1	1.805	0.273	0	0	0	62	
085512	PL.242	A	Consumer	7.48Y	124.6	0.00	1.36	0.00	0	0	0	100	0.00	0.0	1.805	0.000	0	0	0	0	
085503	PL.242	A	Consumer	7.48Y	124.6	0.00	1.36	0.11	0	1	0	100	0.00	0.0	1.805	0.000	1	0	1	1	
PL.8472	PL.242	A	4ACSR	7.47Y	124.5	0.10	1.46	13.79	7	89	51	87	0.07	0.1	1.955	0.150	0	0	0	61	
PL.19413	PL.8472	A	4ACSR	7.47Y	124.5	0.01	1.47	13.61	7	88	51	87	0.01	0.0	1.974	0.019	0	0	0	60	
PL.19414	PL.19413	A	4ACSR	7.47Y	124.5	0.05	1.52	13.61	7	88	51	87	0.04	0.0	2.058	0.084	0	0	0	60	
PL.26701	PL.19414	A	4ACSR	7.47Y	124.4	0.05	1.57	13.60	7	88	51	87	0.03	0.0	2.130	0.072	0	0	0	59	
PD.760-A	PL.26701	A	Closed	7.47Y	124.4	0.00	1.57	13.60	0	88	50	87	0.00	0.0	2.130	0.000	0	0	0	59	
PD.760-B	PD.760-A	A	Closed	7.47Y	124.4	0.00	1.57	13.60	0	88	50	87	0.00	0.0	2.130	0.000	0	0	0	59	
PL.43352	PD.760-B	A	4ACSR	7.44Y	124.1	0.36	1.93	13.60	7	88	50	87	0.25	0.3	2.701	0.572	0	0	0	59	
0865036	PL.43352	A	Consumer	7.44Y	124.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	2.701	0.000	0	0	0	0	
PL.43353	PL.43352	A	4ACSR	7.44Y	124.0	0.03	1.96	13.60	7	88	50	87	0.02	0.0	2.753	0.052	0	0	0	59	
C PD.2278	PL.43353	A	fuse6AMP	7.44Y	124.0	0.00	1.96	13.60	232	88	50	87	0.00	0.0	2.753	0.000	0	0	0	59	C
PL.19850	PD.2278	A	4ACSR	7.44Y	124.0	0.00	1.97	0.21	0	1	1	71	0.00	0.0	3.231	0.477	0	0	0	2	
PL.19851	PL.19850	A	4ACSR	7.44Y	124.0	-0.00	1.97	0.00	0	0	0	100	0.00	0.0	3.281	0.050	0	0	0	1	
PL.25300	PL.19851	A	4ACSR	7.44Y	124.0	0.00	1.97	0.00	0	0	0	100	0.00	0.0	3.645	0.364	0	0	0	1	
086516	PL.25300	A	Consumer	7.44Y	124.0	0.00	1.97	0.00	0	0	0	100	0.00	0.0	3.645	0.000	0	0	1	1	
086515	PL.19850	A	Consumer	7.44Y	124.0	0.00	1.97	0.21	0	1	1	71	0.00	0.0	3.231	0.000	1	1	1	1	
PL.25038	PD.2278	A	4ACSR	7.44Y	124.0	0.06	2.02	13.39	7	86	50	86	0.04	0.0	2.852	0.098	0	0	0	57	
PL.24571	PL.25038	A	4ACSR	7.44Y	124.0	0.00	2.02	0.39	0	3	1	95	0.00	0.0	2.909	0.057	0	0	0	1	
0864021	PL.24571	A	Consumer	7.44Y	124.0	0.00	2.02	0.39	0	3	1	95	0.00	0.0	2.909	0.000	3	1	1	1	
PL.8470	PL.25038	A	4ACSR	7.43Y	123.9	0.12	2.14	13.00	7	84	48	87	0.08	0.1	3.048	0.197	0	0	0	56	

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: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.8471	PL.8470	A	4ACSR	7.43Y	123.8	0.03	2.17	13.00	7	84	48	87	0.02	0.0	3.091	0.042	0	0	0	56
PL.42309	PL.8471	A	4ACSR	7.43Y	123.8	0.00	2.17	0.67	0	4	3	80	0.00	0.0	3.132	0.041	0	0	0	6
PL.42308	PL.42309	A	2ACSR	7.43Y	123.8	0.00	2.17	0.00	0	0	0	100	0.00	0.0	3.203	0.071	0	0	0	0
0854018	PL.42308	A	Consumer	7.43Y	123.8	0.00	2.17	0.00	0	0	0	100	0.00	0.0	3.203	0.000	0	0	0	0
PL.42310	PL.42309	A	4ACSR	7.43Y	123.8	0.01	2.18	0.67	0	4	3	80	0.00	0.0	3.530	0.398	0	0	0	6
PL.14067	PL.42310	A	4ACSR	7.43Y	123.8	0.00	2.18	0.34	0	2	1	89	0.00	0.0	3.692	0.161	0	0	0	2
085402	PL.14067	A	Consumer	7.43Y	123.8	0.00	2.18	0.04	0	0	0	100	0.00	0.0	3.692	0.000	0	0	1	1
085407	PL.14067	A	Consumer	7.43Y	123.8	0.00	2.18	0.30	0	2	1	89	0.00	0.0	3.692	0.000	2	1	1	1
PL.8474	PL.42310	A	4ACSR	7.43Y	123.8	0.00	2.18	0.33	0	2	1	89	0.00	0.0	3.618	0.088	0	0	0	4
085408	PL.8474	A	Consumer	7.43Y	123.8	0.00	2.18	0.00	0	0	0	100	0.00	0.0	3.618	0.000	0	0	1	1
PL.8475	PL.8474	A	4ACSR	7.43Y	123.8	0.00	2.18	0.33	0	2	1	89	0.00	0.0	3.679	0.061	0	0	0	3
PL.5275	PL.8475	A	4ACSR	7.43Y	123.8	0.00	2.18	0.00	0	0	0	100	0.00	0.0	3.731	0.052	0	0	0	1
PL.5276	PL.5275	A	4ACSR	7.43Y	123.8	0.00	2.18	0.00	0	0	0	100	0.00	0.0	3.789	0.058	0	0	0	1
085513	PL.5276	A	Consumer	7.43Y	123.8	0.00	2.18	0.00	0	0	0	100	0.00	0.0	3.789	0.000	0	0	1	1
085406	PL.8475	A	Consumer	7.43Y	123.8	0.00	2.18	0.03	0	0	0	100	0.00	0.0	3.679	0.000	0	0	1	1
085404	PL.8475	A	Consumer	7.43Y	123.8	0.00	2.18	0.30	0	2	1	89	0.00	0.0	3.679	0.000	2	1	1	1
PL.15608	PL.8471	A	4ACSR	7.42Y	123.7	0.11	2.27	12.21	6	79	45	87	0.07	0.1	3.278	0.187	0	0	0	48
PD.2482-A	PL.15608	A	Closed	7.42Y	123.7	0.00	2.27	12.21	0	79	45	87	0.00	0.0	3.278	0.000	0	0	0	48
PD.2482-B	PD.2482-A	A	Closed	7.42Y	123.7	0.00	2.27	12.21	0	79	45	87	0.00	0.0	3.278	0.000	0	0	0	48
PL.32767	PD.2482-B	A	4ACSR	7.41Y	123.5	0.21	2.49	12.21	6	79	45	87	0.13	0.2	3.653	0.375	0	0	0	48
PL.32770	PL.32767	A	4ACSR	7.41Y	123.5	0.02	2.51	0.88	0	6	3	89	0.00	0.0	4.144	0.491	0	0	0	7
PL.32769	PL.32770	A	4ACSR	7.41Y	123.5	0.00	2.51	0.13	0	1	0	100	0.00	0.0	4.234	0.091	0	0	0	1
0854010	PL.32769	A	Consumer	7.41Y	123.5	0.00	2.51	0.13	0	1	0	100	0.00	0.0	4.234	0.000	1	0	1	1
PL.32773	PL.32770	A	4ACSR	7.41Y	123.5	0.02	2.52	0.75	0	5	3	86	0.00	0.0	4.629	0.486	0	0	0	6
PL.32776	PL.32773	A	4ACSR	7.41Y	123.5	0.01	2.53	0.36	0	2	1	89	0.00	0.0	5.107	0.478	0	0	0	5
PL.32779	PL.32776	A	4ACSR	7.41Y	123.5	0.00	2.54	0.36	0	2	1	89	0.00	0.0	5.386	0.279	0	0	0	5
PL.32780	PL.32779	A	4ACSR	7.41Y	123.5	0.00	2.54	0.28	0	2	1	89	0.00	0.0	5.449	0.062	0	0	0	4
0854013	PL.32780	A	Consumer	7.41Y	123.5	0.00	2.54	0.03	0	0	0	100	0.00	0.0	5.449	0.000	0	0	1	1
PL.32781	PL.32780	A	4ACSR	7.41Y	123.5	0.00	2.54	0.24	0	2	1	89	0.00	0.0	5.522	0.074	0	0	0	3
0854014	PL.32781	A	Consumer	7.41Y	123.5	0.00	2.54	0.05	0	0	0	100	0.00	0.0	5.522	0.000	0	0	1	1
PL.32782	PL.32781	A	4ACSR	7.41Y	123.5	0.00	2.54	0.19	0	1	1	71	0.00	0.0	5.583	0.061	0	0	0	2
0854015	PL.32782	A	Consumer	7.41Y	123.5	0.00	2.54	0.08	0	1	0	100	0.00	0.0	5.583	0.000	1	0	1	1
0854016	PL.32782	A	Consumer	7.41Y	123.5	0.00	2.54	0.11	0	1	0	100	0.00	0.0	5.583	0.000	1	0	1	1
0854009	PL.32779	A	Consumer	7.41Y	123.5	0.00	2.54	0.08	0	1	0	100	0.00	0.0	5.386	0.000	1	0	1	1
PL.32775	PL.32776	A	4ACSR	7.41Y	123.5	0.00	2.53	0.00	0	0	0	100	0.00	0.0	5.344	0.237	0	0	0	0
PL.32772	PL.32773	A	4ACSR	7.41Y	123.5	0.00	2.53	0.39	0	3	1	95	0.00	0.0	4.710	0.080	0	0	0	1
0854011	PL.32772	A	Consumer	7.41Y	123.5	0.00	2.53	0.39	0	3	1	95	0.00	0.0	4.710	0.000	3	1	1	1
PL.32768	PL.32767	A	4ACSR	7.40Y	123.3	0.21	2.70	11.34	6	73	42	87	0.12	0.2	4.049	0.396	0	0	0	41

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: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.20938	PL.32768	A	4ACSR	7.40Y	123.3	0.01	2.70	11.34	6	73	42	87	0.00	0.0	4.063	0.014	0	0	0	41
PL.14729	PL.20938	A	4ACSR	7.40Y	123.3	0.00	2.70	11.34	6	73	42	87	0.00	0.0	4.065	0.002	0	0	0	41
PL.15604	PL.14729	A	4ACSR	7.40Y	123.3	0.00	2.70	0.00	0	0	0	100	0.00	0.0	4.072	0.006	0	0	0	0
PD.2484-A	PL.15604	A	Closed	7.40Y	123.3	0.00	2.70	0.00	0	0	0	100	0.00	0.0	4.072	0.000	0	0	0	0
PD.2484-B	PD.2484-A	A	Closed	7.40Y	123.3	0.00	2.70	0.00	0	0	0	100	0.00	0.0	4.072	0.000	0	0	0	0
PL.15605	PD.2484-B	A	4ACSR	7.40Y	123.3	0.00	2.70	0.00	0	0	0	100	0.00	0.0	4.736	0.664	0	0	0	0
PD.762-B	PL.15605	A	Open	7.40Y	123.3	0.00	2.70	0.00	0	0	0	100	0.00	0.0	4.736	0.000	0	0	0	0
PL.30846	PL.14729	A	4ACSR	7.40Y	123.3	0.01	2.71	11.34	6	73	42	87	0.00	0.0	4.077	0.012	0	0	0	41
PD.2483-A	PL.30846	A	Closed	7.40Y	123.3	0.00	2.71	11.34	0	73	42	87	0.00	0.0	4.077	0.000	0	0	0	41
PD.2483-B	PD.2483-A	A	Closed	7.40Y	123.3	0.00	2.71	11.34	0	73	42	87	0.00	0.0	4.077	0.000	0	0	0	41
PL.30845	PD.2483-B	A	4ACSR	7.40Y	123.3	0.02	2.73	11.34	6	73	42	87	0.01	0.0	4.111	0.034	0	0	0	41
PD.3462	PL.30845	A	50V4E	7.40Y	123.3	0.00	2.73	11.34	23	73	42	87	0.00	0.0	4.111	0.000	0	0	0	41
PL.18890	PD.3462	A	4ACSR	7.39Y	123.2	0.05	2.78	11.34	6	73	42	87	0.03	0.0	4.206	0.096	0	0	0	41
086421	PL.18890	A	Consumer	7.39Y	123.2	0.00	2.78	0.26	0	2	1	89	0.00	0.0	4.206	0.000	2	1	1	1
PL.13063	PL.18890	A	4ACSR	7.39Y	123.1	0.10	2.88	11.08	6	71	41	87	0.06	0.1	4.410	0.204	0	0	0	40
PL.35574	PL.13063	A	4ACSR	7.39Y	123.1	0.00	2.88	0.44	0	3	2	83	0.00	0.0	4.416	0.006	0	0	0	2
PD.5226	PL.35574	A	fuse6AMP	7.39Y	123.1	0.00	2.88	0.44	8	3	2	83	0.00	0.0	4.416	0.000	0	0	0	2
PL.35575	PD.5226	A	4ACSR	7.39Y	123.1	0.00	2.88	0.44	0	3	2	83	0.00	0.0	4.451	0.035	0	0	0	2
086419	PL.35575	A	Consumer	7.39Y	123.1	0.00	2.88	0.34	0	2	1	89	0.00	0.0	4.451	0.000	2	1	1	1
086420	PL.35575	A	Consumer	7.39Y	123.1	0.00	2.88	0.10	0	1	0	100	0.00	0.0	4.451	0.000	1	0	1	1
PL.13062	PL.13063	A	4ACSR	7.38Y	123.1	0.03	2.92	10.64	5	68	39	87	0.02	0.0	4.477	0.067	0	0	0	38
086418	PL.13062	A	Consumer	7.38Y	123.1	0.00	2.92	0.00	0	0	0	100	0.00	0.0	4.477	0.000	0	0	0	0
PL.8473	PL.13062	A	4ACSR	7.38Y	122.9	0.15	3.07	10.64	5	68	39	87	0.08	0.1	4.777	0.300	0	0	0	38
PL.241	PL.8473	A	4ACSR	7.37Y	122.8	0.08	3.15	10.64	5	68	39	87	0.05	0.1	4.948	0.171	0	0	0	38
PL.24565	PL.241	A	4ACSR	7.37Y	122.8	-0.00	3.15	0.00	0	0	0	100	0.00	0.0	5.014	0.066	0	0	0	1
086336	PL.24565	A	Consumer	7.37Y	122.8	0.00	3.15	0.00	0	0	0	100	0.00	0.0	5.014	0.000	0	0	1	1
PL.25032	PL.241	A	4ACSR	7.37Y	122.8	0.05	3.20	10.63	5	68	39	87	0.03	0.0	5.053	0.105	0	0	0	37
PL.25031	PL.25032	A	4ACSR	7.37Y	122.8	0.01	3.21	9.51	5	61	35	87	0.01	0.0	5.079	0.026	0	0	0	35
086328	PL.25031	A	Consumer	7.37Y	122.8	0.00	3.21	0.46	0	3	2	83	0.00	0.0	5.079	0.000	3	2	1	1
PL.13066	PL.25031	A	4ACSR	7.37Y	122.8	0.02	3.23	9.05	5	58	33	87	0.01	0.0	5.124	0.045	0	0	0	34
PL.13067	PL.13066	A	4ACSR	7.36Y	122.7	0.03	3.27	8.37	4	53	31	86	0.01	0.0	5.210	0.086	0	0	0	32
PL.13071	PL.13067	A	4ACSR	7.36Y	122.7	0.05	3.31	7.82	4	50	29	87	0.02	0.0	5.340	0.130	0	0	0	30
PL.13070	PL.13071	A	4ACSR	7.36Y	122.6	0.04	3.35	6.22	3	40	23	87	0.01	0.0	5.472	0.132	0	0	0	27
PL.25024	PL.13070	A	4ACSR	7.36Y	122.6	0.01	3.36	6.11	3	39	22	87	0.00	0.0	5.513	0.041	0	0	0	26
086326	PL.25024	A	Consumer	7.36Y	122.6	0.00	3.36	0.35	0	2	1	89	0.00	0.0	5.513	0.000	2	1	1	1
PL.13072	PL.25024	A	4ACSR	7.36Y	122.6	0.00	3.36	5.76	3	37	21	87	0.00	0.0	5.518	0.004	0	0	0	25
PL.16019	PL.13072	A	4ACSR	7.36Y	122.6	0.00	3.36	0.13	0	1	0	100	0.00	0.0	5.529	0.011	0	0	0	1
PD.2275	PL.16019	A	fuse6AMP	7.36Y	122.6	0.00	3.36	0.13	2	1	0	100	0.00	0.0	5.529	0.000	0	0	0	1

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

Unbalanced Voltage Drop Report
Source: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.16020	PD.2275	A	4ACSR	7.36Y	122.6	0.00	3.37	0.13	0	1	0	100	0.00	0.0	5.613	0.084	0	0	0	1
086325	PL.16020	A	Consumer	7.36Y	122.6	0.00	3.37	0.13	0	1	0	100	0.00	0.0	5.613	0.000	1	0	1	1
PL.13073	PL.13072	A	4ACSR	7.36Y	122.6	0.00	3.37	5.63	3	36	21	86	0.00	0.0	5.534	0.016	0	0	0	24
PL.16017	PL.13073	A	4ACSR	7.36Y	122.6	0.00	3.37	0.09	0	1	0	100	0.00	0.0	5.548	0.014	0	0	0	1
PD.2274	PL.16017	A	fuse6AMP	7.36Y	122.6	0.00	3.37	0.09	2	1	0	100	0.00	0.0	5.548	0.000	0	0	0	1
PL.16018	PD.2274	A	4ACSR	7.36Y	122.6	0.00	3.37	0.09	0	1	0	100	0.00	0.0	5.638	0.090	0	0	0	1
086308	PL.16018	A	Consumer	7.36Y	122.6	0.00	3.37	0.09	0	1	0	100	0.00	0.0	5.638	0.000	1	0	1	1
PL.20693	PL.13073	A	4ACSR	7.36Y	122.6	0.02	3.39	5.54	3	35	20	87	0.01	0.0	5.630	0.096	0	0	0	23
086301	PL.20693	A	Consumer	7.36Y	122.6	0.00	3.39	0.09	0	1	0	100	0.00	0.0	5.630	0.000	1	0	1	1
PL.20692	PL.20693	A	4ACSR	7.36Y	122.6	0.01	3.41	5.45	3	35	20	87	0.00	0.0	5.676	0.046	0	0	0	22
PL.13074	PL.20692	A	4ACSR	7.35Y	122.6	0.04	3.45	5.15	3	33	19	87	0.01	0.0	5.852	0.176	0	0	0	20
PL.25023	PL.13074	A	4ACSR	7.35Y	122.5	0.03	3.48	4.81	2	31	18	86	0.01	0.0	5.983	0.132	0	0	0	17
PL.25035	PL.25023	A	4ACSR	7.35Y	122.5	0.01	3.48	4.81	2	31	18	86	0.00	0.0	6.018	0.034	0	0	0	17
086337	PL.25035	A	Consumer	7.35Y	122.5	0.00	3.48	0.00	0	0	0	100	0.00	0.0	6.018	0.000	0	0	0	0
PL.16281	PL.25035	A	4ACSR	7.35Y	122.5	0.00	3.48	0.17	0	1	1	71	0.00	0.0	6.033	0.016	0	0	0	1
PD.2271	PL.16281	A	fuse6AMP	7.35Y	122.5	0.00	3.48	0.17	3	1	1	71	0.00	0.0	6.033	0.000	0	0	0	1
PL.16282	PD.2271	A	4ACSR	7.35Y	122.5	0.00	3.49	0.17	0	1	1	71	0.00	0.0	6.119	0.086	0	0	0	1
086323	PL.16282	A	Consumer	7.35Y	122.5	0.00	3.49	0.17	0	1	1	71	0.00	0.0	6.119	0.000	1	1	1	1
PL.14551	PL.25035	A	4ACSR	7.35Y	122.5	0.02	3.51	4.64	2	30	17	87	0.01	0.0	6.117	0.099	0	0	0	16
0863042	PL.14551	A	Consumer	7.35Y	122.5	0.00	3.51	0.34	0	2	1	89	0.00	0.0	6.117	0.000	2	1	1	1
PL.16279	PL.14551	A	4ACSR	7.35Y	122.5	0.00	3.51	1.39	1	9	5	87	0.00	0.0	6.129	0.013	0	0	0	2
PD.2270	PL.16279	A	fuse6AMP	7.35Y	122.5	0.00	3.51	1.39	24	9	5	87	0.00	0.0	6.129	0.000	0	0	0	2
PL.30325	PD.2270	A	4ACSR	7.35Y	122.5	0.00	3.51	1.39	1	9	5	87	0.00	0.0	6.144	0.014	0	0	0	2
PL.30324	PL.30325	A	4ACSR	7.35Y	122.5	0.00	3.51	0.60	0	4	2	89	0.00	0.0	6.201	0.057	0	0	0	1
0863043	PL.30324	A	Consumer	7.35Y	122.5	0.00	3.51	0.60	0	4	2	89	0.00	0.0	6.201	0.000	4	2	1	1
PL.30326	PL.30325	A	4ACSR	7.35Y	122.5	0.00	3.51	0.79	0	5	3	86	0.00	0.0	6.163	0.020	0	0	0	1
086314	PL.30326	A	Consumer	7.35Y	122.5	0.00	3.51	0.00	0	0	0	100	0.00	0.0	6.163	0.000	0	0	0	0
086327	PL.30326	A	Consumer	7.35Y	122.5	0.00	3.51	0.79	0	5	3	86	0.00	0.0	6.163	0.000	5	3	1	1
PL.14550	PL.14551	A	4ACSR	7.35Y	122.5	0.00	3.51	2.91	2	19	11	87	0.00	0.0	6.117	0.000	0	0	0	13
PL.13075	PL.14550	A	4ACSR	7.35Y	122.5	0.01	3.51	2.91	2	19	11	87	0.00	0.0	6.174	0.058	0	0	0	13
PL.13078	PL.13075	A	4ACSR	7.35Y	122.5	0.00	3.52	0.95	0	6	3	89	0.00	0.0	6.242	0.068	0	0	0	2
PL.14094	PL.13078	A	4ACSR	7.35Y	122.5	0.00	3.52	0.67	0	4	2	89	0.00	0.0	6.262	0.019	0	0	0	1
PL.24566	PL.14094	A	4ACSR	7.35Y	122.5	0.00	3.52	0.67	0	4	2	89	0.00	0.0	6.299	0.038	0	0	0	1
086338	PL.24566	A	Consumer	7.35Y	122.5	0.00	3.52	0.67	0	4	2	89	0.00	0.0	6.299	0.000	4	2	1	1
PL.14095	PL.14094	A	4ACSR	7.35Y	122.5	0.00	3.52	0.00	0	0	0	100	0.00	0.0	6.279	0.017	0	0	0	0
086324	PL.14095	A	Consumer	7.35Y	122.5	0.00	3.52	0.00	0	0	0	100	0.00	0.0	6.279	0.000	0	0	0	0
PL.5263	PL.13078	A	4ACSR	7.35Y	122.5	0.00	3.52	0.28	0	2	1	89	0.00	0.0	6.282	0.040	0	0	0	1
086319	PL.5263	A	Consumer	7.35Y	122.5	0.00	3.52	0.28	0	2	1	89	0.00	0.0	6.282	0.000	2	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: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.13077	PL.13075	A	4ACSR	7.35Y	122.5	0.00	3.52	1.96	1	13	7	88	0.00	0.0	6.191	0.017	0	0	0	11
PL.13076	PL.13077	A	4ACSR	7.35Y	122.5	0.01	3.52	1.41	1	9	5	87	0.00	0.0	6.281	0.090	0	0	0	8
086317	PL.13076	A	Consumer	7.35Y	122.5	0.00	3.52	0.29	0	2	1	89	0.00	0.0	6.281	0.000	2	1	1	1
086320	PL.13076	A	Consumer	7.35Y	122.5	0.00	3.52	0.02	0	0	0	100	0.00	0.0	6.281	0.000	0	0	1	1
PL.25026	PL.13076	A	4ACSR	7.35Y	122.5	0.00	3.52	1.10	1	7	4	87	0.00	0.0	6.320	0.038	0	0	0	6
PL.14097	PL.25026	A	4ACSR	7.35Y	122.5	0.00	3.53	0.84	0	5	3	86	0.00	0.0	6.400	0.080	0	0	0	5
PL.16273	PL.14097	A	4ACSR	7.35Y	122.5	0.00	3.53	0.41	0	3	1	95	0.00	0.0	6.414	0.014	0	0	0	1
PD.2267	PL.16273	A	fuse6AMP	7.35Y	122.5	0.00	3.53	0.41	7	3	1	95	0.00	0.0	6.414	0.000	0	0	0	1
PL.16274	PD.2267	A	4ACSR	7.35Y	122.5	0.00	3.53	0.41	0	3	1	95	0.00	0.0	6.442	0.028	0	0	0	1
086311	PL.16274	A	Consumer	7.35Y	122.5	0.00	3.53	0.41	0	3	1	95	0.00	0.0	6.442	0.000	3	1	1	1
PL.25025	PL.16274	A	4ACSR	7.35Y	122.5	0.00	3.53	0.00	0	0	0	100	0.00	0.0	6.520	0.078	0	0	0	0
PL.14096	PL.14097	A	4ACSR	7.35Y	122.5	0.00	3.53	0.44	0	3	2	83	0.00	0.0	6.487	0.087	0	0	0	4
PL.14098	PL.14096	A	4ACSR	7.35Y	122.5	0.00	3.53	0.16	0	1	1	71	0.00	0.0	6.583	0.096	0	0	0	2
PL.14099	PL.14098	A	4ACSR	7.35Y	122.5	0.00	3.53	0.00	0	0	0	100	0.00	0.0	6.742	0.159	0	0	0	1
PL.36774	PL.14099	A	4ACSR	7.35Y	122.5	0.00	3.53	0.00	0	0	0	100	0.00	0.0	6.794	0.052	0	0	0	0
PD.758-B	PL.36774	A	Open	7.35Y	122.5	0.00	3.53	0.00	0	0	0	100	0.00	0.0	6.794	0.000	0	0	0	0
PL.16267	PL.14099	A	4ACSR	7.35Y	122.5	0.00	3.53	0.00	0	0	0	100	0.00	0.0	6.754	0.012	0	0	0	1
PL.16268	PL.16267	A	4ACSR	7.35Y	122.5	0.00	3.53	0.00	0	0	0	100	0.00	0.0	6.860	0.106	0	0	0	1
085308	PL.16268	A	Consumer	7.35Y	122.5	0.00	3.53	0.00	0	0	0	100	0.00	0.0	6.860	0.000	0	0	1	1
PL.16269	PL.14098	A	4ACSR	7.35Y	122.5	0.00	3.53	0.16	0	1	1	71	0.00	0.0	6.594	0.011	0	0	0	1
PD.2264	PL.16269	A	fuse6AMP	7.35Y	122.5	0.00	3.53	0.16	3	1	1	71	0.00	0.0	6.594	0.000	0	0	0	1
PL.16270	PD.2264	A	4ACSR	7.35Y	122.5	0.00	3.53	0.16	0	1	1	71	0.00	0.0	6.672	0.078	0	0	0	1
085202	PL.16270	A	Consumer	7.35Y	122.5	0.00	3.53	0.16	0	1	1	71	0.00	0.0	6.672	0.000	1	1	1	1
PL.20591	PL.14096	A	4ACSR	7.35Y	122.5	0.00	3.53	0.00	0	0	0	100	0.00	0.0	6.503	0.016	0	0	0	0
PD.2265	PL.20591	A	fuse6AMP	7.35Y	122.5	0.00	3.53	0.00	0	0	0	100	0.00	0.0	6.503	0.000	0	0	0	0
PL.20592	PD.2265	A	4ACSR	7.35Y	122.5	0.00	3.53	0.00	0	0	0	100	0.00	0.0	6.580	0.078	0	0	0	0
085307	PL.20592	A	Consumer	7.35Y	122.5	0.00	3.53	0.00	0	0	0	100	0.00	0.0	6.580	0.000	0	0	0	0
085206	PL.14096	A	Consumer	7.35Y	122.5	0.00	3.53	0.11	0	1	0	100	0.00	0.0	6.487	0.000	1	0	1	1
PL.16271	PL.14096	A	4ACSR	7.35Y	122.5	0.00	3.53	0.17	0	1	1	71	0.00	0.0	6.511	0.024	0	0	0	1
PD.2266	PL.16271	A	fuse6AMP	7.35Y	122.5	0.00	3.53	0.17	3	1	1	71	0.00	0.0	6.511	0.000	0	0	0	1
PL.16272	PD.2266	A	4ACSR	7.35Y	122.5	0.00	3.53	0.17	0	1	1	71	0.00	0.0	6.532	0.021	0	0	0	1
085204	PL.16272	A	Consumer	7.35Y	122.5	0.00	3.53	0.17	0	1	1	71	0.00	0.0	6.532	0.000	1	1	1	1
086202	PL.25026	A	Consumer	7.35Y	122.5	0.00	3.52	0.25	0	2	1	89	0.00	0.0	6.320	0.000	2	1	1	1
086339	PL.13077	A	Consumer	7.35Y	122.5	0.00	3.52	0.02	0	0	0	100	0.00	0.0	6.191	0.000	0	0	1	1
PL.16277	PL.13077	A	4ACSR	7.35Y	122.5	0.00	3.52	0.54	0	3	2	83	0.00	0.0	6.209	0.018	0	0	0	2
PD.2268	PL.16277	A	fuse6AMP	7.35Y	122.5	0.00	3.52	0.54	9	3	2	83	0.00	0.0	6.209	0.000	0	0	0	2
PL.16278	PD.2268	A	4ACSR	7.35Y	122.5	0.00	3.52	0.54	0	3	2	83	0.00	0.0	6.296	0.087	0	0	0	2
086322	PL.16278	A	Consumer	7.35Y	122.5	0.00	3.52	0.00	0	0	0	100	0.00	0.0	6.296	0.000	0	0	1	1

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

Unbalanced Voltage Drop Report
Source: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
086316	PL.16278	A	Consumer	7.35Y	122.5	0.00	3.52	0.54	0	3	2	83	0.00	0.0	6.296	0.000	3	2	1	1
PL.16275	PL.13075	A	4ACSR	7.35Y	122.5	0.00	3.51	0.00	0	0	0	100	0.00	0.0	6.187	0.012	0	0	0	0
PD.2269	PL.16275	A	fuse6AMP	7.35Y	122.5	0.00	3.51	0.00	0	0	0	100	0.00	0.0	6.187	0.000	0	0	0	0
PL.16276	PD.2269	A	4ACSR	7.35Y	122.5	0.00	3.51	0.00	0	0	0	100	0.00	0.0	6.242	0.055	0	0	0	0
086313	PL.14550	A	Consumer	7.35Y	122.5	0.00	3.51	0.00	0	0	0	100	0.00	0.0	6.117	0.000	0	0	0	0
PL.16283	PL.13074	A	4ACSR	7.35Y	122.6	0.00	3.45	0.19	0	1	1	71	0.00	0.0	5.863	0.012	0	0	0	2
PD.2272	PL.16283	A	fuse6AMP	7.35Y	122.6	0.00	3.45	0.19	3	1	1	71	0.00	0.0	5.863	0.000	0	0	0	2
PL.16284	PD.2272	A	4ACSR	7.35Y	122.6	0.00	3.45	0.19	0	1	1	71	0.00	0.0	5.972	0.109	0	0	0	2
086340	PL.16284	A	Consumer	7.35Y	122.6	0.00	3.45	0.01	0	0	0	100	0.00	0.0	5.972	0.000	0	0	1	1
086309	PL.16284	A	Consumer	7.35Y	122.6	0.00	3.45	0.18	0	1	1	71	0.00	0.0	5.972	0.000	1	1	1	1
086307	PL.13074	A	Consumer	7.35Y	122.6	0.00	3.45	0.14	0	1	1	71	0.00	0.0	5.852	0.000	1	1	1	1
PL.16285	PL.20692	A	4ACSR	7.36Y	122.6	0.00	3.41	0.31	0	2	1	89	0.00	0.0	5.687	0.011	0	0	0	2
PD.2273	PL.16285	A	fuse6AMP	7.36Y	122.6	0.00	3.41	0.31	5	2	1	89	0.00	0.0	5.687	0.000	0	0	0	2
PL.16286	PD.2273	A	4ACSR	7.36Y	122.6	0.00	3.41	0.31	0	2	1	89	0.00	0.0	5.772	0.085	0	0	0	2
086303	PL.16286	A	Consumer	7.36Y	122.6	0.00	3.41	0.31	0	2	1	89	0.00	0.0	5.772	0.000	2	1	1	1
0863041	PL.16286	A	Consumer	7.36Y	122.6	0.00	3.41	0.00	0	0	0	100	0.00	0.0	5.772	0.000	0	0	1	1
086310	PL.13070	A	Consumer	7.36Y	122.6	0.00	3.35	0.11	0	1	0	100	0.00	0.0	5.472	0.000	1	0	1	1
PL.16021	PL.13071	A	4ACSR	7.36Y	122.7	0.00	3.31	0.49	0	3	2	83	0.00	0.0	5.358	0.018	0	0	0	1
PD.2276	PL.16021	A	fuse6AMP	7.36Y	122.7	0.00	3.31	0.49	8	3	2	83	0.00	0.0	5.358	0.000	0	0	0	1
PL.16022	PD.2276	A	4ACSR	7.36Y	122.7	0.00	3.32	0.49	0	3	2	83	0.00	0.0	5.424	0.065	0	0	0	1
086332	PL.16022	A	Consumer	7.36Y	122.7	0.00	3.32	0.49	0	3	2	83	0.00	0.0	5.424	0.000	3	2	1	1
PL.16023	PL.13071	A	4ACSR	7.36Y	122.7	0.00	3.31	1.01	1	6	4	83	0.00	0.0	5.358	0.018	0	0	0	1
PD.2277	PL.16023	A	fuse6AMP	7.36Y	122.7	0.00	3.31	1.01	17	6	4	83	0.00	0.0	5.358	0.000	0	0	0	1
PL.16024	PD.2277	A	4ACSR	7.36Y	122.7	0.00	3.32	1.01	1	6	4	83	0.00	0.0	5.392	0.034	0	0	0	1
086329	PL.16024	A	Consumer	7.36Y	122.7	0.00	3.32	1.01	0	6	4	83	0.00	0.0	5.392	0.000	6	4	1	1
086318	PL.13071	A	Consumer	7.36Y	122.7	0.00	3.31	0.10	0	1	0	100	0.00	0.0	5.340	0.000	1	0	1	1
PL.13068	PL.13067	A	4ACSR	7.36Y	122.7	0.00	3.27	0.44	0	3	2	83	0.00	0.0	5.239	0.030	0	0	0	1
086334	PL.13068	A	Consumer	7.36Y	122.7	0.00	3.27	0.44	0	3	2	83	0.00	0.0	5.239	0.000	3	2	1	1
PL.35572	PL.13067	A	4ACSR	7.36Y	122.7	0.00	3.27	0.11	0	1	0	100	0.00	0.0	5.214	0.004	0	0	0	1
PD.5225	PL.35572	A	fuse6AMP	7.36Y	122.7	0.00	3.27	0.11	2	1	0	100	0.00	0.0	5.214	0.000	0	0	0	1
PL.35573	PD.5225	A	4ACSR	7.36Y	122.7	0.00	3.27	0.11	0	1	0	100	0.00	0.0	5.242	0.029	0	0	0	1
086335	PL.35573	A	Consumer	7.36Y	122.7	0.00	3.27	0.11	0	1	0	100	0.00	0.0	5.242	0.000	1	0	1	1
PL.13064	PL.13066	A	4ACSR	7.37Y	122.8	0.00	3.23	0.68	0	4	2	89	0.00	0.0	5.200	0.077	0	0	0	2
PL.13065	PL.13064	A	4ACSR	7.37Y	122.8	0.00	3.24	0.20	0	1	1	71	0.00	0.0	5.365	0.165	0	0	0	1
086306	PL.13065	A	Consumer	7.37Y	122.8	0.00	3.24	0.20	0	1	1	71	0.00	0.0	5.365	0.000	1	1	1	1
PL.5274	PL.13064	A	4ACSR	7.37Y	122.8	0.00	3.24	0.48	0	3	2	83	0.00	0.0	5.271	0.071	0	0	0	1
086331	PL.5274	A	Consumer	7.37Y	122.8	0.00	3.24	0.48	0	3	2	83	0.00	0.0	5.271	0.000	3	2	1	1
086330	PL.25032	A	Consumer	7.37Y	122.8	0.00	3.20	1.03	0	7	4	87	0.00	0.0	5.053	0.000	7	4	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: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.24564	PL.25032	A	4ACSR	7.37Y	122.8	0.00	3.20	0.09	0	1	0	100	0.00	0.0	5.087	0.034	0	0	0	1
086312	PL.24564	A	Consumer	7.37Y	122.8	0.00	3.20	0.09	0	1	0	100	0.00	0.0	5.087	0.000	1	0	1	1
PL.24572	PL.8471	A	4ACSR	7.43Y	123.8	0.00	2.17	0.11	0	1	0	100	0.00	0.0	3.277	0.187	0	0	0	2
085506	PL.24572	A	Consumer	7.43Y	123.8	0.00	2.17	0.11	0	1	0	100	0.00	0.0	3.277	0.000	1	0	1	1
PL.42307	PL.24572	A	2ACSR	7.43Y	123.8	0.00	2.17	0.00	0	0	0	100	0.00	0.0	3.320	0.043	0	0	0	1
0854017	PL.42307	A	Consumer	7.43Y	123.8	0.00	2.17	0.00	0	0	0	100	0.00	0.0	3.320	0.000	0	0	1	1
085403	PL.8470	A	Consumer	7.43Y	123.9	0.00	2.14	0.00	0	0	0	100	0.00	0.0	3.048	0.000	0	0	0	0
085504	PL.19414	A	Consumer	7.47Y	124.5	0.00	1.52	0.02	0	0	0	100	0.00	0.0	2.058	0.000	0	0	1	1
085510	PL.8472	A	Consumer	7.47Y	124.5	0.00	1.46	0.18	0	1	1	71	0.00	0.0	1.955	0.000	1	1	1	1
PL.37973	PL.37974	A	2ACSR	7.49Y	124.9	0.00	1.15	0.02	0	0	0	100	0.00	0.0	1.495	0.016	0	0	0	1
084525	PL.37973	A	Consumer	7.49Y	124.9	0.00	1.15	0.02	0	0	0	100	0.00	0.0	1.495	0.000	0	0	1	1
084542	PL.20142	A	Consumer	7.50Y	125.0	0.00	1.05	0.47	0	3	2	83	0.00	0.0	1.324	0.000	3	2	1	1
084537	PL.39607	A	Consumer	7.50Y	125.0	0.00	1.01	0.14	0	1	1	71	0.00	0.0	1.272	0.000	1	1	1	1
084558	PL.39607	A	Consumer	7.50Y	125.0	0.00	1.01	0.17	0	1	1	71	0.00	0.0	1.272	0.000	1	1	1	1
084561	PL.20726	A	Consumer	7.52Y	125.4	0.00	0.64	0.74	0	5	2	93	0.00	0.0	0.771	0.000	5	2	1	1
084549	PL.8437	A	Consumer	7.53Y	125.4	0.00	0.58	0.65	0	4	2	89	0.00	0.0	0.684	0.000	4	2	1	1
PL.26734	PL.18736	A	1/0ACSR	7.53Y	125.5	0.01	0.51	34.52	10	260	13	100	0.04	0.0	0.603	0.014	0	0	0	0
		B		7.55Y	125.8	0.01	0.19	34.43	10	260	13	100					0	0	0	0
		C		7.54Y	125.7	0.01	0.29	34.46	10	260	13	100					0	0	0	0
PD.746-A	PL.26734	A	Closed	7.53Y	125.5	0.00	0.51	34.52	0	260	13	100	0.00	0.0	0.603	0.000	0	0	0	0
		B		7.55Y	125.8	0.00	0.19	34.43	0	260	13	100					0	0	0	0
		C		7.54Y	125.7	0.00	0.29	34.46	0	260	13	100					0	0	0	0
PD.746-B	PD.746-A	A	Closed	7.53Y	125.5	0.00	0.51	34.52	0	260	13	100	0.00	0.0	0.603	0.000	0	0	0	0
		B		7.55Y	125.8	0.00	0.19	34.43	0	260	13	100					0	0	0	0
		C		7.54Y	125.7	0.00	0.29	34.46	0	260	13	100					0	0	0	0
PL.26735	PD.746-B	A	1/0ACSR	7.53Y	125.5	0.02	0.53	34.52	10	260	13	100	0.11	0.0	0.638	0.035	0	0	0	0
		B		7.55Y	125.8	0.02	0.20	34.43	10	260	13	100					0	0	0	0
		C		7.54Y	125.7	0.02	0.31	34.46	10	260	13	100					0	0	0	0
PL.24557	PL.26735	A	1/0ACSR	7.53Y	125.5	0.01	0.54	34.52	10	260	13	100	0.08	0.0	0.664	0.026	0	0	0	0
		B		7.55Y	125.8	0.01	0.22	34.43	10	260	13	100					0	0	0	0
		C		7.54Y	125.7	0.01	0.32	34.46	10	260	13	100					0	0	0	0
084514	PL.24557	A	Consumer	7.53Y	125.5	0.00	0.54	34.52	0	260	13	100	0.00	0.0	0.664	0.000	260	13	0	0
		B		7.55Y	125.8	0.00	0.22	34.43	0	260	13	100					260	13	0	0
		C		7.54Y	125.7	0.00	0.32	34.46	0	260	13	100					260	13	0	0
084528	PL.28290	A	Consumer	7.54Y	125.7	0.00	0.28	16.45	0	124	8	100	0.00	0.0	0.384	0.000	124	8	0	0
		B		7.55Y	125.9	0.00	0.09	16.42	0	124	8	100					124	8	0	0
		C		7.55Y	125.8	0.00	0.15	16.43	0	124	8	100					124	8	0	0
083533	PL.29066	C	Consumer	7.56Y	126.0	0.00	0.02	0.65	0	4	2	89	0.00	0.0	0.238	0.000	4	2	1	1
PL.8449	PL.29066	A	397ACSR	7.56Y	125.9	0.00	0.08	1.43	0	10	5	89	0.00	0.0	0.257	0.019	0	0	0	2
		B		7.56Y	126.0	-0.00	-0.01	0.00	0	0	0	100					0	0	0	0
		C		7.56Y	126.0	0.00	0.02	0.00	0	0	0	100					0	0	0	0
PL.8448	PL.8449	A	397ACSR	7.56Y	125.9	0.00	0.08	0.00	0	0	0	100	0.00	0.0	0.274	0.017	0	0	0	0
		B		7.56Y	126.0	0.00	-0.01	0.00	0	0	0	100					0	0	0	0
		C		7.56Y	126.0	0.00	0.02	0.00	0	0	0	100					0	0	0	0
PL.14382	PL.8448	A	397ACSR	7.56Y	125.9	0.00	0.08	0.00	0	0	0	100	0.00	0.0	0.292	0.018	0	0	0	0
		B		7.56Y	126.0	0.00	-0.01	0.00	0	0	0	100					0	0	0	0
		C		7.56Y	126.0	0.00	0.02	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: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.740-A	PL.14382	A	Open	7.56Y	125.9	0.00	0.08	0.00	0	0	0	100	0.00	0.0	0.292	0.000	0	0	0	0
		B		7.56Y	126.0	0.00	-0.01	0.00	0	0	0	100					0	0	0	0
		C		7.56Y	126.0	0.00	0.02	0.00	0	0	0	100					0	0	0	0
083528	PL.8449	A	Consumer	7.56Y	125.9	0.00	0.08	0.70	0	5	3	86	0.00	0.0	0.257	0.000	5	3	1	1
083537	PL.8449	A	Consumer	7.56Y	125.9	0.00	0.08	0.73	0	5	2	93	0.00	0.0	0.257	0.000	5	2	1	1
PL.18688	PL.29066	A	4ACSR	7.56Y	125.9	0.00	0.08	0.00	0	0	0	100	0.00	0.0	0.238	0.000	0	0	0	0
		B		7.56Y	126.0	0.00	-0.01	0.00	0	0	0	100					0	0	0	0
		C		7.56Y	126.0	0.00	0.02	0.00	0	0	0	100					0	0	0	0
0835040	PL.8442	B	Consumer	7.56Y	126.0	0.00	-0.01	0.00	0	0	0	100	0.00	0.0	0.186	0.000	0	0	0	0
083527	PL.8442	B	Consumer	7.56Y	126.0	0.00	-0.01	1.04	0	7	3	92	0.00	0.0	0.186	0.000	7	3	1	1
PL.29140	BOWEN	A	397ACSR	7.56Y	126.0	0.01	0.01	52.41	6	377	123	95	0.08	0.0	0.023	0.023	0	0	0	57
		B		7.56Y	126.0	0.02	0.02	91.07	11	628	281	91					0	0	0	168
		C		7.56Y	126.0	0.00	0.00	49.99	6	357	123	95					0	0	0	83
PL.32938	PL.29140	A	397ACSR	7.56Y	126.0	0.00	0.01	52.41	6	377	123	95	0.02	0.0	0.028	0.005	0	0	0	57
		B		7.56Y	126.0	0.00	0.03	91.07	11	628	281	91					0	0	0	168
		C		7.56Y	126.0	0.00	0.00	49.99	6	357	123	95					0	0	0	83
---------- Feeder No. 1 (BOWEN1) Beginning with Device PD.3930 ----------																				
PD.3930	PL.32938	A	VWVE	7.56Y	126.0	0.00	0.01	52.41	0	377	123	95	0.00	0.0	0.028	0.000	0	0	0	57
		B		7.56Y	126.0	0.00	0.03	91.07	0	628	281	91					0	0	0	168
		C		7.56Y	126.0	0.00	0.00	49.99	0	357	123	95					0	0	0	83
PL.32939	PD.3930	A	397ACSR	7.56Y	126.0	0.00	0.01	52.41	6	377	123	95	0.01	0.0	0.032	0.004	0	0	0	57
		B		7.56Y	126.0	0.00	0.03	91.07	11	628	281	91					0	0	0	168
		C		7.56Y	126.0	0.00	0.00	49.99	6	357	123	95					0	0	0	83
PD.741-A	PL.32939	A	Closed	7.56Y	126.0	0.00	0.01	52.41	0	377	123	95	0.00	0.0	0.032	0.000	0	0	0	57
		B		7.56Y	126.0	0.00	0.03	91.07	0	628	281	91					0	0	0	168
		C		7.56Y	126.0	0.00	0.00	49.99	0	357	123	95					0	0	0	83
PD.741-B	PD.741-A	A	Closed	7.56Y	126.0	0.00	0.01	52.41	0	377	123	95	0.00	0.0	0.032	0.000	0	0	0	57
		B		7.56Y	126.0	0.00	0.03	91.07	0	628	281	91					0	0	0	168
		C		7.56Y	126.0	0.00	0.00	49.99	0	357	123	95					0	0	0	83
PL.20914	PD.741-B	A	397ACSR	7.55Y	125.9	0.11	0.13	52.41	6	377	123	95	0.87	0.1	0.295	0.263	0	0	0	57
		B		7.54Y	125.7	0.24	0.27	91.07	11	628	281	91					0	0	0	168
		C		7.56Y	126.0	0.02	0.03	49.99	6	357	123	95					0	0	0	83
PL.14386	PL.20914	A	397ACSR	7.55Y	125.8	0.03	0.16	52.41	6	376	122	95	0.23	0.0	0.363	0.068	0	0	0	57
		B		7.54Y	125.7	0.06	0.33	90.92	11	627	279	91					0	0	0	167
		C		7.56Y	126.0	0.01	0.03	49.99	6	357	123	95					0	0	0	83
PL.26791	PL.14386	A	4ACSR	7.55Y	125.8	0.00	0.16	0.41	0	3	2	83	0.00	0.0	0.382	0.019	0	0	0	1
PD.2038	PL.26791	A	fuse6AMP	7.55Y	125.8	0.00	0.16	0.41	7	3	2	83	0.00	0.0	0.382	0.000	0	0	0	1
PL.26792	PD.2038	A	4ACSR	7.55Y	125.8	0.00	0.16	0.41	0	3	2	83	0.00	0.0	0.455	0.072	0	0	0	1
083512	PL.26792	A	Consumer	7.55Y	125.8	0.00	0.16	0.41	0	3	2	83	0.00	0.0	0.455	0.000	3	2	1	1
PL.14387	PL.14386	A	397ACSR	7.55Y	125.8	0.08	0.23	52.01	6	374	121	95	0.61	0.0	0.547	0.184	0	0	0	56
		B		7.53Y	125.5	0.17	0.50	90.92	11	627	278	91					0	0	0	167
		C		7.56Y	126.0	0.02	0.05	49.99	6	357	123	95					0	0	0	83
083532	PL.14387	B	Consumer	7.53Y	125.5	0.00	0.50	0.58	0	4	2	89	0.00	0.0	0.547	0.000	4	2	1	1
PL.14388	PL.14387	A	397ACSR	7.54Y	125.7	0.02	0.25	52.01	6	373	121	95	0.14	0.0	0.588	0.042	0	0	0	56
		B		7.53Y	125.5	0.04	0.53	90.35	11	622	275	91					0	0	0	166
		C		7.56Y	125.9	0.00	0.05	49.99	6	357	123	95					0	0	0	83
PL.14389	PL.14388	A	397ACSR	7.54Y	125.7	0.01	0.26	52.01	6	373	121	95	0.07	0.0	0.611	0.022	0	0	0	56
		B		7.53Y	125.4	0.02	0.55	89.29	11	615	271	92					0	0	0	164
		C		7.56Y	125.9	0.00	0.05	49.99	6	357	122	95					0	0	0	83
PL.8447	PL.14389	A	397ACSR	7.54Y	125.7	0.03	0.29	52.01	6	373	121	95	0.22	0.0	0.680	0.070	0	0	0	56
		B		7.52Y	125.4	0.06	0.62	89.29	11	615	270	92					0	0	0	164
		C		7.56Y	125.9	0.01	0.06	49.99	6	357	122	95					0	0	0	83

Unbalanced Voltage Drop Report
Source: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.27965	PL.8447	A	397ACSR	7.54Y	125.7	0.03	0.33	52.01	6	373	121	95	0.26	0.0	0.761	0.081	0	0	0	56
		B		7.52Y	125.3	0.07	0.69	88.78	11	612	268	92					0	0	0	163
		C		7.56Y	125.9	0.01	0.07	49.85	6	356	122	95					0	0	0	82
PL.27966	PL.27965	A	397ACSR	7.54Y	125.7	0.02	0.35	52.01	6	373	120	95	0.16	0.0	0.813	0.052	0	0	0	56
		B		7.52Y	125.3	0.04	0.73	88.28	11	608	266	92					0	0	0	162
		C		7.56Y	125.9	0.01	0.08	49.85	6	356	122	95					0	0	0	82
PL.8440	PL.27966	A	397ACSR	7.54Y	125.6	0.02	0.37	52.01	6	373	120	95	0.15	0.0	0.859	0.046	0	0	0	56
		B		7.51Y	125.2	0.04	0.77	88.28	11	608	265	92					0	0	0	162
		C		7.56Y	125.9	0.00	0.08	49.85	6	356	122	95					0	0	0	82
084562	PL.8440	A	Consumer	7.54Y	125.6	0.00	0.37	0.16	0	1	1	71	0.00	0.0	0.859	0.000	1	1	1	1
084509	PL.8440	A	Consumer	7.54Y	125.6	0.00	0.37	0.17	0	1	1	71	0.00	0.0	0.859	0.000	1	1	1	1
084557	PL.8440	A	Consumer	7.54Y	125.6	0.00	0.37	0.05	0	0	0	100	0.00	0.0	0.859	0.000	0	0	1	1
PL.26795	PL.8440	A	397ACSR	7.54Y	125.6	0.02	0.38	51.57	6	370	119	95	0.12	0.0	0.897	0.038	0	0	0	52
		B		7.51Y	125.2	0.03	0.80	88.28	11	608	265	92					0	0	0	162
		C		7.55Y	125.9	0.00	0.08	49.85	6	356	122	95					0	0	0	82
PL.26796	PL.26795	A	1/0EPRJCN	7.54Y	125.6	0.01	0.39	51.57	27	370	119	95	0.13	0.0	0.908	0.011	0	0	0	52
		B		7.51Y	125.2	0.02	0.82	88.28	46	608	265	92					0	0	0	162
		C		7.55Y	125.9	0.01	0.09	49.85	26	356	121	95					0	0	0	82
PL.15978	PL.26796	A	1/0EPRJCN	7.54Y	125.6	0.01	0.40	51.45	27	369	118	95	0.09	0.0	0.916	0.008	0	0	0	51
		B		7.51Y	125.2	0.01	0.83	88.28	46	608	265	92					0	0	0	162
		C		7.55Y	125.9	0.01	0.10	49.85	26	356	122	95					0	0	0	82
PD.744-A	PL.15978	A	Closed	7.54Y	125.6	0.00	0.40	51.45	0	369	118	95	0.00	0.0	0.916	0.000	0	0	0	51
		B		7.51Y	125.2	0.00	0.83	88.29	0	608	265	92					0	0	0	162
		C		7.55Y	125.9	0.00	0.10	49.85	0	356	122	95					0	0	0	82
PD.744-B	PD.744-A	A	Closed	7.54Y	125.6	0.00	0.40	51.45	0	369	118	95	0.00	0.0	0.916	0.000	0	0	0	51
		B		7.51Y	125.2	0.00	0.83	88.29	0	608	265	92					0	0	0	162
		C		7.55Y	125.9	0.00	0.10	49.85	0	356	122	95					0	0	0	82
PL.15979	PD.744-B	A	1/0EPRJCN	7.53Y	125.5	0.11	0.51	51.45	27	369	118	95	1.82	0.1	1.066	0.151	0	0	0	51
		B		7.50Y	124.9	0.23	1.06	88.29	46	608	265	92					0	0	0	162
		C		7.55Y	125.8	0.12	0.22	49.85	26	356	122	95					0	0	0	82
PD.745-A	PL.15979	A	Closed	7.53Y	125.5	0.00	0.51	51.48	0	369	119	95	0.00	0.0	1.066	0.000	0	0	0	51
		B		7.50Y	124.9	0.00	1.06	88.32	0	607	265	92					0	0	0	162
		C		7.55Y	125.8	0.00	0.22	49.88	0	356	122	95					0	0	0	82
PD.745-B	PD.745-A	A	Closed	7.53Y	125.5	0.00	0.51	51.48	0	369	119	95	0.00	0.0	1.066	0.000	0	0	0	51
		B		7.50Y	124.9	0.00	1.06	88.32	0	607	265	92					0	0	0	162
		C		7.55Y	125.8	0.00	0.22	49.88	0	356	122	95					0	0	0	82
PL.403	PD.745-B	A	336ACSR	7.53Y	125.4	0.05	0.56	51.48	7	369	119	95	0.44	0.0	1.185	0.119	0	0	0	51
		B		7.49Y	124.8	0.11	1.18	88.32	12	607	265	92					0	0	0	162
		C		7.55Y	125.8	0.02	0.24	49.88	7	356	122	95					0	0	0	82
PL.25299	PL.403	A	336ACSR	7.52Y	125.3	0.12	0.69	51.48	7	369	119	95	1.01	0.1	1.459	0.273	0	0	0	51
		B		7.47Y	124.6	0.26	1.43	88.32	12	606	264	92					0	0	0	162
		C		7.54Y	125.7	0.04	0.28	49.88	7	356	122	95					0	0	0	82
PL.26597	PL.25299	A	336ACSR	7.52Y	125.3	0.03	0.71	51.48	7	369	118	95	0.21	0.0	1.515	0.057	0	0	0	51
		B		7.47Y	124.5	0.05	1.48	88.32	12	606	263	92					0	0	0	162
		C		7.54Y	125.7	0.01	0.28	49.88	7	356	121	95					0	0	0	82
PL.17263	PL.26597	A	4ACSR	7.52Y	125.3	0.00	0.71	0.14	0	1	1	71	0.00	0.0	1.520	0.005	0	0	0	1
PD.1156	PL.17263	A	fuse6AMP	7.52Y	125.3	0.00	0.71	0.14	2	1	1	71	0.00	0.0	1.520	0.000	0	0	0	1
PL.17264	PD.1156	A	4ACSR	7.52Y	125.3	0.00	0.71	0.14	0	1	1	71	0.00	0.0	1.560	0.040	0	0	0	1
083629	PL.17264	A	Consumer	7.52Y	125.3	0.00	0.71	0.14	0	1	1	71	0.00	0.0	1.560	0.000	1	1	1	1
PL.26598	PL.26597	A	1/0ACSR	7.51Y	125.1	0.18	0.89	51.35	16	368	118	95	2.15	0.2	1.704	0.188	0	0	0	50
		B		7.45Y	124.2	0.36	1.85	88.32	27	605	262	92					0	0	0	162
		C		7.54Y	125.6	0.11	0.39	49.88	15	356	121	95					0	0	0	82

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: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.8304	PL.26598	A	1/0ACSR	7.50Y	125.0	0.08	0.97	50.06	15	358	113	95	0.92	0.1	1.785	0.081	0	0	0	44
		B		7.44Y	124.0	0.16	2.01	88.32	27	604	261	92					0	0	0	162
		C		7.53Y	125.6	0.05	0.44	49.83	15	356	121	95					0	0	0	81
083618	PL.8304	B	Consumer	7.44Y	124.0	0.00	2.01	0.68	0	4	3	80	0.00	0.0	1.785	0.000	4	3	1	1
083620	PL.8304	B	Consumer	7.44Y	124.0	0.00	2.01	0.07	0	0	0	100	0.00	0.0	1.785	0.000	0	0	1	1
083632	PL.8304	B	Consumer	7.44Y	124.0	0.00	2.01	0.20	0	1	1	71	0.00	0.0	1.785	0.000	1	1	1	1
PL.19222	PL.8304	A	1/0ACSR	7.50Y	125.0	0.04	1.01	50.06	15	358	113	95	0.43	0.0	1.824	0.039	0	0	0	44
		B		7.44Y	123.9	0.07	2.08	87.38	26	597	257	92					0	0	0	159
		C		7.53Y	125.5	0.02	0.46	49.83	15	355	121	95					0	0	0	81
PL.19223	PL.19222	A	1/0ACSR	7.50Y	125.0	0.02	1.03	50.06	15	358	113	95	0.29	0.0	1.850	0.026	0	0	0	44
		B		7.43Y	123.9	0.05	2.13	86.96	26	594	255	92					0	0	0	158
		C		7.53Y	125.5	0.02	0.48	49.83	15	355	121	95					0	0	0	81
PL.16364	PL.19223	C	4ACSR	7.53Y	125.5	0.00	0.48	0.80	0	5	3	86	0.00	0.0	1.856	0.006	0	0	0	3
PD.1157	PL.16364	C	fuse6AMP	7.53Y	125.5	0.00	0.48	0.80	14	5	3	86	0.00	0.0	1.856	0.000	0	0	0	3
PL.16365	PD.1157	C	4ACSR	7.53Y	125.5	0.01	0.48	0.80	0	5	3	86	0.00	0.0	2.006	0.150	0	0	0	3
083627	PL.16365	C	Consumer	7.53Y	125.5	0.00	0.48	0.48	0	3	2	83	0.00	0.0	2.006	0.000	3	2	1	1
083625	PL.16365	C	Consumer	7.53Y	125.5	0.00	0.48	0.08	0	1	0	100	0.00	0.0	2.006	0.000	1	0	1	1
083605	PL.16365	C	Consumer	7.53Y	125.5	0.00	0.48	0.24	0	2	1	89	0.00	0.0	2.006	0.000	2	1	1	1
PL.26596	PL.19223	A	1/0ACSR	7.47Y	124.6	0.42	1.45	50.06	15	358	113	95	4.92	0.4	2.297	0.447	0	0	0	44
		B		7.38Y	123.0	0.85	2.98	86.96	26	594	255	92					0	0	0	158
		C		7.52Y	125.3	0.25	0.73	49.05	15	350	117	95					0	0	0	77
PL.20901	PL.26596	A	4ACSR	7.47Y	124.6	0.00	1.45	1.15	1	7	4	87	0.00	0.0	2.304	0.007	0	0	0	3
PD.1159	PL.20901	A	fuse6AMP	7.47Y	124.6	0.00	1.45	1.15	20	7	4	87	0.00	0.0	2.304	0.000	0	0	0	3
PL.20902	PD.1159	A	4ACSR	7.47Y	124.5	0.00	1.45	1.15	1	7	4	87	0.00	0.0	2.324	0.020	0	0	0	3
084625	PL.20902	A	Consumer	7.47Y	124.5	0.00	1.45	0.68	0	4	3	80	0.00	0.0	2.324	0.000	4	3	1	1
084624	PL.20902	A	Consumer	7.47Y	124.5	0.00	1.45	0.45	0	3	2	83	0.00	0.0	2.324	0.000	3	2	1	1
084609	PL.20902	A	Consumer	7.47Y	124.5	0.00	1.45	0.03	0	0	0	100	0.00	0.0	2.324	0.000	0	0	1	1
PL.16362	PL.26596	C	4ACSR	7.52Y	125.3	0.00	0.73	0.00	0	0	0	100	0.00	0.0	2.303	0.006	0	0	0	0
PD.1158	PL.16362	C	fuse6AMP	7.52Y	125.3	0.00	0.73	0.00	0	0	0	100	0.00	0.0	2.303	0.000	0	0	0	0
PL.16363	PD.1158	C	4ACSR	7.52Y	125.3	0.00	0.73	0.00	0	0	0	100	0.00	0.0	2.408	0.105	0	0	0	0
0846025	PL.16363	C	Consumer	7.52Y	125.3	0.00	0.73	0.00	0	0	0	100	0.00	0.0	2.408	0.000	0	0	0	0
PL.8308	PL.26596	A	1/0ACSR	7.47Y	124.5	0.04	1.49	48.93	15	349	108	96	0.54	0.0	2.346	0.049	0	0	0	41
		B		7.38Y	122.9	0.09	3.08	86.96	26	591	251	92					0	0	0	158
		C		7.51Y	125.2	0.03	0.76	49.05	15	350	116	95					0	0	0	77
PL.398	PL.8308	A	1/0ACSR	7.47Y	124.5	0.03	1.52	48.93	15	349	108	96	0.34	0.0	2.380	0.034	0	0	0	41
		B		7.37Y	122.9	0.06	3.14	81.64	25	556	231	92					0	0	0	137
		C		7.51Y	125.2	0.02	0.78	49.04	15	350	116	95					0	0	0	76
PL.7514	PL.398	A	1/0ACSR	7.47Y	124.5	0.02	1.54	48.93	15	349	108	96	0.17	0.0	2.397	0.017	0	0	0	41
		B		7.37Y	122.8	0.03	3.17	81.64	25	556	231	92					0	0	0	137
		C		7.51Y	125.2	0.01	0.79	49.04	15	350	116	95					0	0	0	76
561102	PL.7514	B	Consumer	7.37Y	122.8	0.00	3.17	0.00	0	0	0	100	0.00	0.0	2.397	0.000	0	0	1	1
PL.27612	PL.7514	A	4ACSR	7.47Y	124.5	0.01	1.55	48.93	25	349	108	96	0.11	0.0	2.402	0.004	0	0	0	41
		B		7.37Y	122.8	0.01	3.18	81.64	42	556	231	92					0	0	0	136
		C		7.51Y	125.2	0.01	0.79	49.04	25	350	116	95					0	0	0	76
PD.2832-A	PL.27612	A	Closed	7.47Y	124.5	0.00	1.55	48.93	0	349	108	96	0.00	0.0	2.402	0.000	0	0	0	41
		B		7.37Y	122.8	0.00	3.18	81.64	0	556	231	92					0	0	0	136
		C		7.51Y	125.2	0.00	0.79	49.04	0	350	116	95					0	0	0	76

Unbalanced Voltage Drop Report
Source: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.2832-B	PD.2832-A	A	Closed	7.47Y	124.5	0.00	1.55	48.93	0	349	108	96	0.00	0.0	2.402	0.000	0	0	0	41
		B		7.37Y	122.8	0.00	3.18	81.64	0	556	231	92					0	0	0	136
		C		7.51Y	125.2	0.00	0.79	49.04	0	350	116	95					0	0	0	76
PL.19790	PD.2832-B	A	1/0ACSR	7.46Y	124.4	0.06	1.61	48.93	15	349	108	96	0.72	0.1	2.473	0.072	0	0	0	41
		B		7.36Y	122.7	0.13	3.31	81.64	25	556	231	92					0	0	0	136
		C		7.51Y	125.2	0.04	0.84	49.04	15	350	116	95					0	0	0	76
561101	PL.19790	A	Consumer	7.46Y	124.4	0.00	1.61	0.17	0	1	1	71	0.00	0.0	2.473	0.000	1	1	1	1
561104	PL.19790	B	Consumer	7.36Y	122.7	0.00	3.31	0.00	0	0	0	100	0.00	0.0	2.473	0.000	0	0	0	0
561103	PL.19790	A	Consumer	7.46Y	124.4	0.00	1.61	0.77	0	5	3	86	0.00	0.0	2.473	0.000	5	3	1	1
PL.19791	PL.19790	A	1/0ACSR	7.46Y	124.4	0.03	1.65	48.02	15	343	104	96	0.38	0.0	2.511	0.037	0	0	0	39
		B		7.36Y	122.6	0.07	3.38	81.64	25	555	230	92					0	0	0	136
		C		7.51Y	125.1	0.02	0.86	49.04	15	350	116	95					0	0	0	76
561203	PL.19791	A	Consumer	7.46Y	124.4	0.00	1.65	0.12	0	1	0	100	0.00	0.0	2.511	0.000	1	0	1	1
561205	PL.19791	A	Consumer	7.46Y	124.4	0.00	1.65	0.52	0	3	2	83	0.00	0.0	2.511	0.000	3	2	1	1
PL.19767	PL.19791	A	1/0ACSR	7.46Y	124.3	0.05	1.70	47.40	14	339	102	96	0.61	0.0	2.572	0.062	0	0	0	37
		B		7.35Y	122.5	0.11	3.49	81.64	25	555	230	92					0	0	0	136
		C		7.51Y	125.1	0.04	0.90	49.04	15	349	116	95					0	0	0	76
PL.19768	PL.19767	A	1/0ACSR	7.45Y	124.2	0.10	1.79	47.40	14	339	101	96	1.11	0.1	2.684	0.112	0	0	0	37
		B		7.34Y	122.3	0.20	3.69	81.39	25	553	229	92					0	0	0	135
		C		7.50Y	125.0	0.07	0.96	49.04	15	349	116	95					0	0	0	76
PL.26605	PL.19768	A	4ACSR	7.45Y	124.2	0.00	1.79	47.40	24	338	101	96	0.00	0.0	2.684	0.000	0	0	0	37
		B		7.34Y	122.3	0.00	3.69	81.39	42	552	228	92					0	0	0	135
		C		7.50Y	125.0	0.00	0.96	49.04	25	349	116	95					0	0	0	76
5632003	PL.26605	A	Consumer	7.45Y	124.2	0.00	1.79	0.15	0	1	1	71	0.00	0.0	2.684	0.000	1	1	1	1
PL.20242	PL.26605	A	4ACSR	7.45Y	124.2	0.00	1.79	0.38	0	2	1	89	0.00	0.0	2.695	0.010	0	0	0	1
PD.2833	PL.20242	A	fuse6AMP	7.45Y	124.2	0.00	1.79	0.38	6	2	1	89	0.00	0.0	2.695	0.000	0	0	0	1
PL.20243	PD.2833	A	4ACSR	7.45Y	124.2	0.00	1.80	0.38	0	2	1	89	0.00	0.0	2.767	0.072	0	0	0	1
563201	PL.20243	A	Consumer	7.45Y	124.2	0.00	1.80	0.38	0	2	1	89	0.00	0.0	2.767	0.000	2	1	1	1
563202	PL.20243	A	Consumer	7.45Y	124.2	0.00	1.80	0.00	0	0	0	100	0.00	0.0	2.767	0.000	0	0	0	0
PL.26606	PL.26605	A	1/0ACSR	7.44Y	124.0	0.17	1.97	46.88	14	335	99	96	2.03	0.2	2.889	0.205	0	0	0	35
		B		7.32Y	121.9	0.37	4.05	81.39	25	552	228	92					0	0	0	135
		C		7.49Y	124.9	0.12	1.09	49.04	15	349	116	95					0	0	0	76
PL.26607	PL.26606	A	1/0ACSR	7.44Y	124.0	0.02	1.98	46.88	14	335	99	96	0.19	0.0	2.909	0.020	0	0	0	35
		B		7.31Y	121.9	0.03	4.08	80.86	25	547	224	93					0	0	0	134
		C		7.49Y	124.9	0.01	1.10	49.04	15	349	115	95					0	0	0	76
PL.20607	PL.26607	A	1/0ACSR	7.44Y	124.0	0.05	2.04	46.88	14	334	99	96	0.60	0.0	2.971	0.063	0	0	0	35
		B		7.31Y	121.8	0.11	4.19	79.04	24	536	218	93					0	0	0	127
		C		7.49Y	124.9	0.04	1.14	49.04	15	349	115	95					0	0	0	76
PL.20608	PL.20607	A	1/0ACSR	7.44Y	123.9	0.04	2.08	46.32	14	331	97	96	0.49	0.0	3.023	0.052	0	0	0	35
		B		7.30Y	121.7	0.09	4.28	78.46	24	531	215	93					0	0	0	127
		C		7.49Y	124.8	0.03	1.17	48.48	15	345	113	95					0	0	0	75
PL.8343	PL.20608	A	1/0ACSR	7.43Y	123.9	0.06	2.14	46.32	14	330	97	96	0.64	0.1	3.092	0.068	0	0	0	35
		B		7.30Y	121.6	0.12	4.40	78.46	24	531	215	93					0	0	0	127
		C		7.49Y	124.8	0.04	1.21	48.48	15	345	113	95					0	0	0	75
567404	PL.8343	C	Consumer	7.49Y	124.8	0.00	1.21	0.03	0	0	0	100	0.00	0.0	3.092	0.000	0	0	1	1
PL.26608	PL.8343	A	1/0ACSR	7.43Y	123.8	0.05	2.19	46.32	14	330	97	96	0.46	0.0	3.147	0.055	0	0	0	35
		B		7.29Y	121.5	0.09	4.49	78.46	24	531	215	93					0	0	0	127
		C		7.49Y	124.8	0.01	1.22	33.32	10	243	55	98					0	0	0	16
PL.39248	PL.26608	B	4ACSR	7.29Y	121.5	0.00	4.49	0.21	0	1	1	71	0.00	0.0	3.149	0.002	0	0	0	2
PD.6888	PL.39248	B	fuse6AMP	7.29Y	121.5	0.00	4.49	0.21	4	1	1	71	0.00	0.0	3.149	0.000	0	0	0	2

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: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.39250	PD.6888	B	4ACSR	7.29Y	121.5	0.00	4.49	0.21	0	1	1	71	0.00	0.0	3.223	0.074	0	0	0	1
568301	PL.39250	B	Consumer	7.29Y	121.5	0.00	4.49	0.21	0	1	1	71	0.00	0.0	3.223	0.000	1	1	1	1
PL.39249	PD.6888	B	4ACSR	7.29Y	121.5	0.00	4.49	0.00	0	0	0	100	0.00	0.0	3.158	0.009	0	0	0	1
PL.7509	PL.39249	B	4ACSR	7.29Y	121.5	0.00	4.49	0.00	0	0	0	100	0.00	0.0	3.298	0.140	0	0	0	1
567301	PL.7509	B	Consumer	7.29Y	121.5	0.00	4.49	0.00	0	0	0	100	0.00	0.0	3.298	0.000	0	0	1	1
PL.26609	PL.26608	A	336ACSR	7.43Y	123.8	0.04	2.23	46.32	6	330	97	96	0.21	0.0	3.223	0.077	0	0	0	35
		B		7.29Y	121.5	0.06	4.55	78.26	11	529	213	93					0	0	0	125
		C		7.49Y	124.8	-0.00	1.22	33.32	5	243	55	98					0	0	0	16
PL.7515	PL.26609	A	336ACSR	7.43Y	123.8	0.02	2.24	46.32	6	330	97	96	0.09	0.0	3.257	0.033	0	0	0	35
		B		7.29Y	121.4	0.03	4.58	77.83	11	526	212	93					0	0	0	122
		C		7.49Y	124.8	-0.00	1.22	33.32	5	243	55	98					0	0	0	16
PL.7516	PL.7515	A	336ACSR	7.42Y	123.7	0.04	2.28	46.30	6	330	97	96	0.22	0.0	3.338	0.082	0	0	0	34
		B		7.28Y	121.4	0.06	4.64	77.48	11	524	210	93					0	0	0	121
		C		7.49Y	124.8	-0.00	1.22	33.32	5	243	55	98					0	0	0	16
568508	PL.7516	A	Consumer	7.42Y	123.7	0.00	2.28	0.11	0	1	0	100	0.00	0.0	3.338	0.000	1	0	1	1
568503	PL.7516	A	Consumer	7.42Y	123.7	0.00	2.28	0.15	0	1	1	71	0.00	0.0	3.338	0.000	1	1	1	1
5685011	PL.7516	A	Consumer	7.42Y	123.7	0.00	2.28	0.00	0	0	0	100	0.00	0.0	3.338	0.000	0	0	1	1
568510	PL.7516	A	Consumer	7.42Y	123.7	0.00	2.28	0.00	0	0	0	100	0.00	0.0	3.338	0.000	0	0	1	1
PL.39287	PL.7516	B	2ACSR	7.28Y	121.4	0.00	4.64	1.23	0	8	4	89	0.00	0.0	3.344	0.005	0	0	0	7
PD.3830	PL.39287	B	fuse6AMP	7.28Y	121.4	0.00	4.64	1.23	21	8	4	89	0.00	0.0	3.344	0.000	0	0	0	7
PL.30844	PD.3830	B	2ACSR	7.28Y	121.4	0.01	4.65	1.23	0	8	4	89	0.00	0.0	3.548	0.204	0	0	0	7
PL.42170	PL.30844	B	2ACSR	7.28Y	121.4	0.00	4.65	0.03	0	0	0	100	0.00	0.0	3.571	0.024	0	0	0	1
0857021	PL.42170	B	Consumer	7.28Y	121.4	0.00	4.65	0.00	0	0	0	100	0.00	0.0	3.571	0.000	0	0	0	0
PL.42171	PL.42170	B	2ACSR	7.28Y	121.4	0.00	4.65	0.03	0	0	0	100	0.00	0.0	3.606	0.034	0	0	0	1
0857020	PL.42171	B	Consumer	7.28Y	121.4	0.00	4.65	0.03	0	0	0	100	0.00	0.0	3.606	0.000	0	0	1	1
0857027	PL.42171	B	Consumer	7.28Y	121.4	0.00	4.65	0.00	0	0	0	100	0.00	0.0	3.606	0.000	0	0	0	0
PL.41215	PL.42171	B	2ACSR	7.28Y	121.4	0.00	4.65	0.00	0	0	0	100	0.00	0.0	3.641	0.036	0	0	0	0
0857019	PL.30844	B	Consumer	7.28Y	121.4	0.00	4.65	0.16	0	1	0	100	0.00	0.0	3.548	0.000	1	0	1	1
PL.42172	PL.30844	B	2ACSR	7.28Y	121.4	0.00	4.65	1.05	0	7	4	87	0.00	0.0	3.606	0.058	0	0	0	5
PL.42173	PL.42172	B	2ACSR	7.28Y	121.3	0.00	4.65	1.05	0	7	4	87	0.00	0.0	3.643	0.037	0	0	0	5
PL.32796	PL.42173	B	2ACSR	7.28Y	121.3	0.00	4.65	1.04	0	7	4	87	0.00	0.0	3.750	0.107	0	0	0	4
PL.32798	PL.32796	B	2ACSR	7.28Y	121.3	0.00	4.65	0.00	0	0	0	100	0.00	0.0	3.780	0.030	0	0	0	1
0857017	PL.32798	B	Consumer	7.28Y	121.3	0.00	4.65	0.00	0	0	0	100	0.00	0.0	3.780	0.000	0	0	1	1
PL.33205	PL.32796	B	2ACSR	7.28Y	121.3	0.00	4.66	1.04	0	7	4	87	0.00	0.0	3.814	0.064	0	0	0	2
PL.33206	PL.33205	B	2ACSR	7.28Y	121.3	0.00	4.66	0.36	0	2	1	89	0.00	0.0	3.853	0.038	0	0	0	1
0857016	PL.33206	B	Consumer	7.28Y	121.3	0.00	4.66	0.36	0	2	1	89	0.00	0.0	3.853	0.000	2	1	1	1
0857015	PL.33205	B	Consumer	7.28Y	121.3	0.00	4.66	0.68	0	4	2	89	0.00	0.0	3.814	0.000	4	2	1	1
PL.43908	PL.32796	B	2ACSR	7.28Y	121.3	0.00	4.65	0.00	0	0	0	100	0.00	0.0	3.779	0.028	0	0	0	1
PL.45986	PL.43908	B	2ACSR	7.28Y	121.3	0.00	4.65	0.00	0	0	0	100	0.00	0.0	3.800	0.022	0	0	0	1
0857026	PL.45986	B	Consumer	7.28Y	121.3	0.00	4.65	0.00	0	0	0	100	0.00	0.0	3.800	0.000	0	0	0	0
PL.45987	PL.45986	B	2ACSR	7.28Y	121.3	0.00	4.65	0.00	0	0	0	100	0.00	0.0	3.820	0.020	0	0	0	1

Unbalanced Voltage Drop Report
Source: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
0857025	PL.45987	B	Consumer	7.28Y	121.3	0.00	4.65	0.00	0	0	0	100	0.00	0.0	3.820	0.000	0	0	0	0
PL.44715	PL.45987	B	2ACSR	7.28Y	121.3	0.00	4.65	0.00	0	0	0	100	0.00	0.0	3.945	0.125	0	0	0	1
PL.42277	PL.44715	B	2ACSR	7.28Y	121.3	0.00	4.65	0.00	0	0	0	100	0.00	0.0	3.993	0.048	0	0	0	0
0857023	PL.42277	B	Consumer	7.28Y	121.3	0.00	4.65	0.00	0	0	0	100	0.00	0.0	3.993	0.000	0	0	0	0
0857018	PL.44715	B	Consumer	7.28Y	121.3	0.00	4.65	0.00	0	0	0	100	0.00	0.0	3.945	0.000	0	0	1	1
0857024	PL.43908	B	Consumer	7.28Y	121.3	0.00	4.65	0.00	0	0	0	100	0.00	0.0	3.779	0.000	0	0	0	0
PL.31877	PL.42173	B	2ACSR	7.28Y	121.3	0.00	4.65	0.01	0	0	0	100	0.00	0.0	3.685	0.042	0	0	0	1
PL.31878	PL.31877	B	2ACSR	7.28Y	121.3	0.00	4.65	0.01	0	0	0	100	0.00	0.0	3.704	0.019	0	0	0	1
5694002	PL.31878	B	Consumer	7.28Y	121.3	0.00	4.65	0.01	0	0	0	100	0.00	0.0	3.704	0.000	0	0	1	1
0857022	PL.42172	B	Consumer	7.28Y	121.4	0.00	4.65	0.00	0	0	0	100	0.00	0.0	3.606	0.000	0	0	0	0
PL.30347	PL.7516	A	336ACSR	7.42Y	123.7	0.01	2.29	46.04	6	328	96	96	0.08	0.0	3.370	0.031	0	0	0	30
		B		7.28Y	121.3	0.02	4.66	76.26	10	516	205	93					0	0	0	114
		C		7.49Y	124.8	-0.00	1.21	33.32	5	243	55	98					0	0	0	16
PL.30348	PL.30347	A	336ACSR	7.42Y	123.6	0.09	2.38	46.04	6	328	96	96	0.50	0.0	3.559	0.190	0	0	0	30
		B		7.27Y	121.2	0.14	4.81	76.26	10	516	205	93					0	0	0	114
		C		7.49Y	124.8	-0.01	1.21	33.32	5	243	55	98					0	0	0	16
PL.30344	PL.30348	A	336ACSR	7.42Y	123.6	0.01	2.39	46.04	6	328	96	96	0.06	0.0	3.582	0.023	0	0	0	30
		B		7.27Y	121.2	0.02	4.82	76.26	10	516	204	93					0	0	0	114
		C		7.49Y	124.8	-0.00	1.21	33.32	5	243	55	98					0	0	0	16
PD.3827-A	PL.30344	A	Closed	7.42Y	123.6	0.00	2.39	46.04	0	328	96	96	0.00	0.0	3.582	0.000	0	0	0	30
		B		7.27Y	121.2	0.00	4.82	76.26	0	516	204	93					0	0	0	114
		C		7.49Y	124.8	0.00	1.21	33.32	0	243	55	98					0	0	0	16
PD.3827-B	PD.3827-A	A	Closed	7.42Y	123.6	0.00	2.39	46.04	0	328	96	96	0.00	0.0	3.582	0.000	0	0	0	30
		B		7.27Y	121.2	0.00	4.82	76.26	0	516	204	93					0	0	0	114
		C		7.49Y	124.8	0.00	1.21	33.32	0	243	55	98					0	0	0	16
PL.30345	PD.3827-B	A	336ACSR	7.42Y	123.6	0.02	2.41	46.04	6	328	96	96	0.10	0.0	3.621	0.038	0	0	0	30
		B		7.27Y	121.1	0.03	4.85	76.26	10	516	204	93					0	0	0	114
		C		7.49Y	124.8	-0.00	1.20	33.32	5	243	55	98					0	0	0	16
PL.17938	PL.30345	A	336ACSR	7.40Y	123.3	0.24	2.66	46.04	6	328	96	96	1.39	0.1	4.145	0.524	0	0	0	30
		B		7.25Y	120.8	0.40	5.25	76.26	10	515	204	93					0	0	0	114
		C		7.49Y	124.8	-0.02	1.18	33.32	5	243	55	98					0	0	0	16
PL.26850	PL.17938	B	4ACSR	7.25Y	120.8	0.00	5.25	1.20	1	8	4	89	0.00	0.0	4.155	0.010	0	0	0	3
PD.2046	PL.26850	B	fuse6AMP	7.25Y	120.8	0.00	5.25	1.20	21	8	4	89	0.00	0.0	4.155	0.000	0	0	0	3
PL.26851	PD.2046	B	4ACSR	7.24Y	120.7	0.01	5.26	1.20	1	8	4	89	0.00	0.0	4.363	0.208	0	0	0	3
085704	PL.26851	B	Consumer	7.24Y	120.7	0.00	5.26	0.62	0	4	2	89	0.00	0.0	4.363	0.000	4	2	1	1
PL.8461	PL.26851	B	4ACSR	7.24Y	120.7	0.00	5.26	0.58	0	4	2	89	0.00	0.0	4.479	0.116	0	0	0	2
085708	PL.8461	B	Consumer	7.24Y	120.7	0.00	5.26	0.00	0	0	0	100	0.00	0.0	4.479	0.000	0	0	1	1
085712	PL.8461	B	Consumer	7.24Y	120.7	0.00	5.26	0.58	0	4	2	89	0.00	0.0	4.479	0.000	4	2	1	1
PL.26620	PL.17938	A	1/0ACSR	7.40Y	123.3	0.08	2.74	46.04	14	327	95	96	0.66	0.1	4.228	0.083	0	0	0	30
		B		7.24Y	120.6	0.13	5.38	75.07	23	507	197	93					0	0	0	111
		C		7.49Y	124.8	0.02	1.20	33.32	10	244	55	98					0	0	0	16
PL.39245	PL.26620	A	4ACSR	7.40Y	123.3	0.00	2.74	0.28	0	2	1	89	0.00	0.0	4.234	0.006	0	0	0	2
PD.6886	PL.39245	A	fuse6AMP	7.40Y	123.3	0.00	2.74	0.28	5	2	1	89	0.00	0.0	4.234	0.000	0	0	0	2
PL.39244	PD.6886	A	4ACSR	7.40Y	123.3	0.00	2.74	0.28	0	2	1	89	0.00	0.0	4.329	0.095	0	0	0	2
085709	PL.39244	A	Consumer	7.40Y	123.3	0.00	2.74	0.11	0	1	0	100	0.00	0.0	4.329	0.000	1	0	1	1
085710	PL.39244	A	Consumer	7.40Y	123.3	0.00	2.74	0.17	0	1	1	71	0.00	0.0	4.329	0.000	1	1	1	1

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

Unbalanced Voltage Drop Report
Source: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.14025	PL.26620	A	1/0ACSR	7.39Y	123.2	0.09	2.82	45.77	14	325	94	96	0.73	0.1	4.321	0.093	0	0	0	28
		B		7.23Y	120.5	0.15	5.53	75.07	23	507	196	93					0	0	0	111
		C		7.49Y	124.8	0.02	1.22	33.32	10	244	54	98					0	0	0	16
085711	PL.14025	C	Consumer	7.49Y	124.8	0.00	1.22	0.01	0	0	0	100	0.00	0.0	4.321	0.000	0	0	1	1
PL.14026	PL.14025	A	1/0ACSR	7.38Y	123.1	0.12	2.95	45.77	14	325	94	96	1.03	0.1	4.452	0.131	0	0	0	28
		B		7.22Y	120.3	0.21	5.73	75.07	23	506	196	93					0	0	0	111
		C		7.48Y	124.7	0.03	1.25	33.31	10	243	54	98					0	0	0	15
PL.18388	PL.14026	A	6ACWC	7.38Y	123.0	0.01	2.96	45.77	24	325	94	96	0.14	0.0	4.459	0.007	0	0	0	28
		B		7.21Y	120.2	0.02	5.76	74.92	39	504	194	93					0	0	0	109
		C		7.48Y	124.7	0.01	1.26	33.31	17	243	54	98					0	0	0	15
PD.752-A	PL.18388	A	Closed	7.38Y	123.0	0.00	2.96	45.77	0	325	94	96	0.00	0.0	4.459	0.000	0	0	0	28
		B		7.21Y	120.2	0.00	5.76	74.92	0	504	194	93					0	0	0	109
		C		7.48Y	124.7	0.00	1.26	33.31	0	243	54	98					0	0	0	15
PD.752-B	PD.752-A	A	Closed	7.38Y	123.0	0.00	2.96	45.77	0	325	94	96	0.00	0.0	4.459	0.000	0	0	0	28
		B		7.21Y	120.2	0.00	5.76	74.92	0	504	194	93					0	0	0	109
		C		7.48Y	124.7	0.00	1.26	33.31	0	243	54	98					0	0	0	15
PL.14027	PD.752-B	A	6ACWC	7.38Y	122.9	0.12	3.08	45.77	24	325	94	96	1.15	0.1	4.518	0.059	0	0	0	28
		B		7.20Y	120.1	0.18	5.94	74.92	39	504	194	93					0	0	0	109
		C		7.48Y	124.7	0.05	1.31	33.31	17	243	54	98					0	0	0	15
PL.18954	PL.14027	C	4ACSR	7.48Y	124.7	0.00	1.31	0.20	0	1	1	71	0.00	0.0	4.530	0.012	0	0	0	1
PD.1813	PL.18954	C	fuse6AMP	7.48Y	124.7	0.00	1.31	0.20	3	1	1	71	0.00	0.0	4.530	0.000	0	0	0	1
PL.18955	PD.1813	C	4ACSR	7.48Y	124.7	0.00	1.31	0.20	0	1	1	71	0.00	0.0	4.593	0.064	0	0	0	1
085803	PL.18955	C	Consumer	7.48Y	124.7	0.00	1.31	0.20	0	1	1	71	0.00	0.0	4.593	0.000	1	1	1	1
085806	PL.18955	C	Consumer	7.48Y	124.7	0.00	1.31	0.00	0	0	0	100	0.00	0.0	4.593	0.000	0	0	0	0
PL.14028	PL.14027	A	6ACWC	7.37Y	122.8	0.14	3.22	45.77	24	324	94	96	1.35	0.1	4.586	0.069	0	0	0	28
		B		7.19Y	119.8	0.22	6.16	74.92	39	504	194	93					0	0	0	109
		C		7.48Y	124.6	0.06	1.37	33.12	17	242	53	98					0	0	0	14
PL.25269	PL.14028	A	6ACWC	7.36Y	122.7	0.03	3.25	45.77	24	324	94	96	0.34	0.0	4.603	0.017	0	0	0	28
		B		7.19Y	119.8	0.05	6.21	74.88	39	502	193	93					0	0	0	108
		C		7.48Y	124.6	0.01	1.38	33.12	17	242	53	98					0	0	0	14
PL.25097	PL.25269	A	6ACWC	7.36Y	122.6	0.12	3.37	45.77	24	324	94	96	1.20	0.1	4.665	0.061	0	0	0	28
		B		7.18Y	119.6	0.19	6.40	74.88	39	502	193	93					0	0	0	108
		C		7.47Y	124.6	0.05	1.44	33.12	17	242	53	98					0	0	0	14
PL.25098	PL.25097	A	6ACWC	7.35Y	122.4	0.18	3.55	45.77	24	323	94	96	1.73	0.2	4.753	0.088	0	0	0	28
		B		7.16Y	119.3	0.28	6.68	74.88	39	501	193	93					0	0	0	108
		C		7.47Y	124.5	0.08	1.51	33.12	17	242	53	98					0	0	0	14
591102	PL.25098	A	Consumer	7.35Y	122.4	0.00	3.55	0.03	0	0	0	100	0.00	0.0	4.753	0.000	0	0	1	1
PL.28128	PL.25098	A	1/0ACSR	7.35Y	122.4	0.01	3.56	45.74	14	323	93	96	0.06	0.0	4.760	0.007	0	0	0	27
		B		7.16Y	119.3	0.01	6.69	74.88	23	500	192	93					0	0	0	108
		C		7.47Y	124.5	0.00	1.51	33.12	10	242	53	98					0	0	0	14
RG.20	PL.28128	A	1ph-100A-7	7.56Y	126.0	-3.56	0.00	45.74	46	323	93	96	percent Boost= 2.91 Tap= 4.6							27
		B		7.56Y	126.0	-6.69	-0.00	74.88	75	500	192	93	percent Boost= 5.61 Tap= 9.0							
		C		7.56Y	126.0	-1.51	-0.00	33.12	33	242	53	98	percent Boost= 1.21 Tap= 1.9							
PL.22243	RG.20	A	6ACWC	7.55Y	125.9	0.09	0.09	44.45	23	323	93	96	0.87	0.1	4.809	0.048	0	0	0	27
		B		7.55Y	125.9	0.14	0.14	70.90	37	500	192	93					0	0	0	108
		C		7.56Y	126.0	0.04	0.04	32.72	17	242	53	98					0	0	0	14
C PD.3494	PL.22243	A	fuse6AMP	7.55Y	125.9	0.00	0.09	44.45	759	323	93	96	0.00	0.0	4.809	0.000	0	0	0	27 C
C		B		7.55Y	125.9	0.00	0.14	70.90	1211	500	192	93					0	0	0	108 C
C		C		7.56Y	126.0	0.00	0.04	32.72	559	241	53	98					0	0	0	14 C
PL.23430	PD.3494	A	6ACWC	7.55Y	125.9	0.04	0.13	44.45	23	323	93	96	0.35	0.0	4.828	0.020	0	0	0	27
		B		7.55Y	125.8	0.06	0.20	70.90	37	500	192	93					0	0	0	108
		C		7.56Y	125.9	0.02	0.06	32.72	17	241	53	98					0	0	0	14
592204	PL.23430	B	Consumer	7.55Y	125.8	0.00	0.20	0.06	0	0	0	100	0.00	0.0	4.828	0.000	0	0	1	1

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

Unbalanced Voltage Drop Report
Source: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
592211	PL.23430	A	Consumer	7.55Y	125.9	0.00	0.13	0.01	0	0	0	100	0.00	0.0	4.828	0.000	0	0	1	1
		C		7.56Y	125.9	0.00	0.06	0.01	0	0	0	90					0	0	1	1
PL.14029	PL.23430	A	1/0ACSR	7.55Y	125.8	0.02	0.15	44.44	13	322	93	96	0.16	0.0	4.851	0.023	0	0	0	26
		B		7.55Y	125.8	0.03	0.24	70.84	21	499	192	93					0	0	0	107
		C		7.56Y	125.9	0.01	0.07	32.70	10	241	53	98					0	0	0	14
591203	PL.14029	B	Consumer	7.55Y	125.8	0.00	0.24	0.75	0	5	2	93	0.00	0.0	4.851	0.000	5	2	1	1
PL.14030	PL.14029	A	6ACWC	7.54Y	125.7	0.16	0.31	44.44	23	322	93	96	1.42	0.1	4.932	0.081	0	0	0	26
		B		7.53Y	125.5	0.24	0.47	69.70	36	491	188	93					0	0	0	105
		C		7.55Y	125.9	0.07	0.14	32.70	17	241	53	98					0	0	0	14
PL.25092	PL.14030	A	6ACWC	7.53Y	125.6	0.12	0.43	40.30	21	294	78	97	0.69	0.1	5.006	0.074	0	0	0	24
		B		7.52Y	125.4	0.12	0.59	40.75	21	296	79	97					0	0	0	35
		C		7.55Y	125.8	0.08	0.22	30.39	16	225	43	98					0	0	0	12
592307	PL.25092	B	Consumer	7.52Y	125.4	0.00	0.59	2.49	0	17	8	90	0.00	0.0	5.006	0.000	17	8	1	1
PL.14352	PL.25092	A	6ACWC	7.53Y	125.4	0.15	0.58	40.30	21	294	77	97	0.77	0.1	5.093	0.087	0	0	0	24
		B		7.52Y	125.3	0.13	0.71	38.31	20	279	71	97					0	0	0	34
		C		7.54Y	125.7	0.10	0.31	30.39	16	225	43	98					0	0	0	12
PL.39246	PL.14352	A	4ACSR	7.53Y	125.4	0.00	0.58	5.89	3	40	19	90	0.00	0.0	5.095	0.003	0	0	0	1
C PD.6887	PL.39246	A	fuse6AMP	7.53Y	125.4	0.00	0.58	5.89	101	40	19	90	0.00	0.0	5.095	0.000	0	0	0	1 C
PL.39247	PD.6887	A	4ACSR	7.53Y	125.4	0.00	0.58	5.89	3	40	19	90	0.00	0.0	5.111	0.015	0	0	0	1
593201	PL.39247	A	Consumer	7.53Y	125.4	0.00	0.58	5.89	0	40	19	90	0.00	0.0	5.111	0.000	40	19	1	1
PL.14353	PL.14352	A	6ACWC	7.52Y	125.4	0.05	0.63	34.53	18	253	58	97	0.29	0.0	5.129	0.037	0	0	0	23
		B		7.51Y	125.2	0.06	0.77	38.31	20	279	71	97					0	0	0	34
		C		7.54Y	125.6	0.04	0.36	30.39	16	225	43	98					0	0	0	12
PL.14282	PL.14353	A	6ACWC	7.52Y	125.3	0.05	0.67	33.74	18	248	55	98	0.27	0.0	5.164	0.034	0	0	0	17
		B		7.51Y	125.2	0.05	0.82	38.31	20	279	71	97					0	0	0	34
		C		7.54Y	125.6	0.04	0.39	30.39	16	225	43	98					0	0	0	12
PL.25099	PL.14282	A	6ACWC	7.51Y	125.2	0.11	0.78	33.74	18	248	55	98	0.62	0.1	5.243	0.080	0	0	0	17
		B		7.50Y	125.1	0.12	0.94	38.15	20	278	70	97					0	0	0	32
		C		7.53Y	125.5	0.09	0.48	30.39	16	225	43	98					0	0	0	12
595202	PL.25099	C	Consumer	7.53Y	125.5	0.00	0.48	0.01	0	0	0	100	0.00	0.0	5.243	0.000	0	0	1	1
5952003	PL.25099	C	Consumer	7.53Y	125.5	0.00	0.48	0.25	0	2	1	89	0.00	0.0	5.243	0.000	2	1	1	1
PL.28697	PL.25099	A	6ACWC	7.51Y	125.2	0.05	0.83	33.74	18	247	55	98	0.27	0.0	5.279	0.035	0	0	0	17
		B		7.50Y	125.0	0.05	1.00	38.15	20	277	70	97					0	0	0	32
		C		7.53Y	125.5	0.04	0.52	30.13	16	223	42	98					0	0	0	10
PL.45913	PL.28697	A	4ACSR	7.51Y	125.2	0.01	0.84	33.74	17	247	55	98	0.04	0.0	5.284	0.005	0	0	0	17
		B		7.50Y	125.0	0.01	1.01	38.15	20	277	70	97					0	0	0	32
		C		7.53Y	125.5	0.01	0.52	30.13	16	223	42	98					0	0	0	10
PD.8684	PL.45913	A	50L	7.51Y	125.2	0.00	0.84	33.74	67	247	55	98	0.00	0.0	5.284	0.000	0	0	0	17
		B		7.50Y	125.0	0.00	1.01	38.15	76	277	70	97					0	0	0	32
		C		7.53Y	125.5	0.00	0.52	30.13	60	223	42	98					0	0	0	10
PL.45914	PD.8684	A	6ACWC	7.51Y	125.1	0.06	0.89	33.74	18	247	55	98	0.31	0.0	5.325	0.041	0	0	0	17
		B		7.50Y	124.9	0.06	1.07	38.15	20	277	70	97					0	0	0	32
		C		7.53Y	125.4	0.04	0.57	30.13	16	223	42	98					0	0	0	10
PL.25091	PL.45914	A	6ACWC	7.50Y	125.0	0.10	0.99	31.13	16	229	44	98	0.59	0.1	5.405	0.080	0	0	0	14
		B		7.49Y	124.8	0.12	1.19	38.15	20	277	70	97					0	0	0	32
		C		7.52Y	125.3	0.09	0.66	30.13	16	223	42	98					0	0	0	10
PL.26859	PL.25091	A	4ACSR	7.50Y	125.0	0.00	0.99	0.00	0	0	0	100	0.00	0.0	5.414	0.009	0	0	0	0
PD.2874	PL.26859	A	fuse6AMP	7.50Y	125.0	0.00	0.99	0.00	0	0	0	100	0.00	0.0	5.414	0.000	0	0	0	0
PL.20483	PL.25091	A	6ACWC	7.50Y	125.0	0.04	1.03	31.13	16	229	44	98	0.25	0.0	5.440	0.035	0	0	0	14
		B		7.49Y	124.8	0.05	1.24	37.36	19	272	67	97					0	0	0	27
		C		7.52Y	125.3	0.04	0.69	29.56	15	219	40	98					0	0	0	8

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

Unbalanced Voltage Drop Report
Source: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
596412	PL.20483	A	Consumer	7.50Y	125.0	0.00	1.03	0.01	0	0	0	100	0.00	0.0	5.440	0.000	0	0	1	1
		C		7.52Y	125.3	0.00	0.69	0.01	0	0	0	90					0	0	1	1
PL.20484	PL.20483	A	6ACWC	7.50Y	124.9	0.03	1.07	31.12	16	229	44	98	0.20	0.0	5.468	0.027	0	0	0	13
		B		7.48Y	124.7	0.04	1.29	37.36	19	272	67	97					0	0	0	27
		C		7.52Y	125.3	0.03	0.72	29.55	15	219	40	98					0	0	0	8
PL.25100	PL.20484	A	6ACWC	7.49Y	124.8	0.09	1.15	31.12	16	229	44	98	0.49	0.1	5.538	0.070	0	0	0	13
		B		7.48Y	124.6	0.10	1.39	36.88	19	268	65	97					0	0	0	24
		C		7.51Y	125.2	0.07	0.80	29.55	15	218	40	98					0	0	0	8
PL.25101	PL.25100	A	6ACWC	7.49Y	124.8	0.02	1.17	31.12	16	229	44	98	0.11	0.0	5.553	0.015	0	0	0	13
		B		7.48Y	124.6	0.02	1.41	36.88	19	268	65	97					0	0	0	24
		C		7.51Y	125.2	0.02	0.81	29.55	15	218	40	98					0	0	0	8
597504	PL.25101	B	Consumer	7.48Y	124.6	0.00	1.41	0.00	0	0	0	100	0.00	0.0	5.553	0.000	0	0	0	0
597503	PL.25101	B	Consumer	7.48Y	124.6	0.00	1.41	0.00	0	0	0	100	0.00	0.0	5.553	0.000	0	0	0	0
597501	PL.25101	B	Consumer	7.48Y	124.6	0.00	1.41	0.00	0	0	0	100	0.00	0.0	5.553	0.000	0	0	0	0
PL.6850	PL.25101	A	6ACWC	7.48Y	124.7	0.12	1.29	31.12	16	229	44	98	0.66	0.1	5.647	0.094	0	0	0	13
		B		7.47Y	124.4	0.14	1.55	36.88	19	268	65	97					0	0	0	24
		C		7.51Y	125.1	0.10	0.91	29.55	15	218	40	98					0	0	0	8
PL.6851	PL.6850	A	6ACWC	7.47Y	124.5	0.17	1.46	31.12	16	229	44	98	0.96	0.1	5.785	0.139	0	0	0	13
		B		7.45Y	124.2	0.20	1.75	36.30	19	264	63	97					0	0	0	22
		C		7.50Y	124.9	0.15	1.06	29.55	15	218	40	98					0	0	0	8
PL.14354	PL.6851	A	6ACWC	7.47Y	124.5	0.07	1.53	31.12	16	228	44	98	0.40	0.1	5.846	0.060	0	0	0	13
		B		7.45Y	124.2	0.08	1.84	34.83	18	253	57	98					0	0	0	21
		C		7.49Y	124.9	0.06	1.13	29.14	15	215	38	98					0	0	0	6
PL.3585	PL.14354	B	2ACSR	7.45Y	124.1	0.02	1.86	7.16	3	48	23	90	0.01	0.0	5.924	0.078	0	0	0	8
598705	PL.3585	B	Consumer	7.45Y	124.1	0.00	1.86	0.03	0	0	0	100	0.00	0.0	5.924	0.000	0	0	1	1
598710	PL.3585	B	Consumer	7.45Y	124.1	0.00	1.86	0.17	0	1	1	71	0.00	0.0	5.924	0.000	1	1	1	1
598703	PL.3585	B	Consumer	7.45Y	124.1	0.00	1.86	2.01	0	13	7	88	0.00	0.0	5.924	0.000	14	7	1	1
598709	PL.3585	B	Consumer	7.45Y	124.1	0.00	1.86	0.14	0	1	0	100	0.00	0.0	5.924	0.000	1	0	1	1
PL.3147	PL.3585	B	2ACSR	7.45Y	124.1	0.00	1.86	4.81	2	32	16	89	0.00	0.0	5.948	0.024	0	0	0	4
599701	PL.3147	B	Consumer	7.45Y	124.1	0.00	1.86	0.00	0	0	0	100	0.00	0.0	5.948	0.000	0	0	0	0
598708	PL.3147	B	Consumer	7.45Y	124.1	0.00	1.86	0.03	0	0	0	100	0.00	0.0	5.948	0.000	0	0	1	1
598706	PL.3147	B	Consumer	7.45Y	124.1	0.00	1.86	0.02	0	0	0	100	0.00	0.0	5.948	0.000	0	0	1	1
598704	PL.3147	B	Consumer	7.45Y	124.1	0.00	1.86	0.31	0	2	1	89	0.00	0.0	5.948	0.000	2	1	1	1
PL.3146	PL.3147	B	2ACSR	7.45Y	124.1	0.00	1.86	4.46	2	30	14	91	0.00	0.0	5.979	0.031	0	0	0	1
PL.3148	PL.3146	B	2ACSR	7.45Y	124.1	0.01	1.87	4.46	2	30	14	91	0.00	0.0	6.033	0.053	0	0	0	1
598801	PL.3148	B	Consumer	7.45Y	124.1	0.00	1.87	4.46	0	30	14	91	0.00	0.0	6.033	0.000	30	14	1	1
PL.28638	PL.14354	A	6ACWC	7.46Y	124.4	0.10	1.63	31.12	16	228	44	98	0.47	0.1	5.927	0.082	0	0	0	13
		B		7.44Y	124.1	0.09	1.92	27.91	15	205	34	99					0	0	0	13
		C		7.49Y	124.8	0.09	1.22	29.14	15	215	38	98					0	0	0	6
PL.28639	PL.28638	A	6ACWC	7.46Y	124.3	0.05	1.68	30.77	16	226	43	98	0.25	0.0	5.972	0.045	0	0	0	11
		B		7.44Y	124.0	0.05	1.97	27.91	15	205	34	99					0	0	0	13
		C		7.48Y	124.7	0.05	1.27	29.14	15	215	38	98					0	0	0	6
PL.22672	PL.28639	A	6ACWC	7.45Y	124.2	0.12	1.81	30.77	16	226	43	98	0.58	0.1	6.076	0.103	0	0	0	11
		B		7.44Y	123.9	0.11	2.08	27.91	15	205	34	99					0	0	0	13
		C		7.48Y	124.6	0.12	1.39	29.14	15	215	38	98					0	0	0	6
PL.28679	PL.22672	A	6ACWC	7.45Y	124.1	0.05	1.86	30.77	16	225	43	98	0.23	0.0	6.117	0.041	0	0	0	11
		B		7.43Y	123.9	0.04	2.12	27.91	15	205	34	99					0	0	0	13
		C		7.47Y	124.6	0.05	1.44	29.14	15	215	38	98					0	0	0	6

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: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.28680	PL.28679	A	6ACWC	7.45Y	124.1	0.05	1.90	30.77	16	225	43	98	0.22	0.0	6.155	0.039	0	0	0	11
		B		7.43Y	123.8	0.04	2.16	27.91	15	205	34	99					0	0	0	13
		C		7.47Y	124.5	0.04	1.48	29.14	15	214	38	98					0	0	0	6
PL.30979	PL.28680	A	4ACSR	7.45Y	124.1	0.00	1.90	1.84	1	12	6	89	0.00	0.0	6.166	0.011	0	0	0	3
PD.3969	PL.30979	A	fuse6AMP	7.45Y	124.1	0.00	1.90	1.84	31	12	6	89	0.00	0.0	6.166	0.000	0	0	0	3
PL.30980	PD.3969	A	4ACSR	7.45Y	124.1	0.00	1.90	1.84	1	12	6	89	0.00	0.0	6.177	0.011	0	0	0	3
PL.5262	PL.30980	A	4ACSR	7.45Y	124.1	0.00	1.91	1.84	1	12	6	89	0.00	0.0	6.200	0.023	0	0	0	3
087821	PL.5262	A	Consumer	7.45Y	124.1	0.00	1.91	0.14	0	1	0	100	0.00	0.0	6.200	0.000	1	0	1	1
087824	PL.5262	A	Consumer	7.45Y	124.1	0.00	1.91	1.54	0	10	5	89	0.00	0.0	6.200	0.000	10	5	1	1
087822	PL.5262	A	Consumer	7.45Y	124.1	0.00	1.91	0.16	0	1	1	71	0.00	0.0	6.200	0.000	1	1	1	1
PL.30977	PL.28680	B	4ACSR	7.43Y	123.8	0.00	2.16	0.10	0	1	0	100	0.00	0.0	6.166	0.011	0	0	0	2
PD.3861	PL.30977	B	fuse6AMP	7.43Y	123.8	0.00	2.16	0.10	2	1	0	100	0.00	0.0	6.166	0.000	0	0	0	2
PL.30978	PD.3861	B	4ACSR	7.43Y	123.8	0.00	2.16	0.10	0	1	0	100	0.00	0.0	6.213	0.047	0	0	0	2
086808	PL.30978	B	Consumer	7.43Y	123.8	0.00	2.16	0.00	0	0	0	100	0.00	0.0	6.213	0.000	0	0	1	1
086809	PL.30978	B	Consumer	7.43Y	123.8	0.00	2.16	0.00	0	0	0	100	0.00	0.0	6.213	0.000	0	0	0	0
086801	PL.30978	B	Consumer	7.43Y	123.8	0.00	2.16	0.10	0	1	0	100	0.00	0.0	6.213	0.000	1	0	1	1
599802	PL.28680	B	Consumer	7.43Y	123.8	0.00	2.16	0.18	0	1	1	71	0.00	0.0	6.155	0.000	1	1	1	1
086811	PL.28680	B	Consumer	7.43Y	123.8	0.00	2.16	0.11	0	1	0	100	0.00	0.0	6.155	0.000	1	0	1	1
086810	PL.28680	B	Consumer	7.43Y	123.8	0.00	2.16	0.16	0	1	1	71	0.00	0.0	6.155	0.000	1	1	1	1
PL.8467	PL.28680	A	6ACWC	7.44Y	124.1	0.02	1.93	29.00	15	213	37	99	0.11	0.0	6.177	0.021	0	0	0	8
		B		7.43Y	123.8	0.02	2.18	27.39	14	201	32	99					0	0	0	8
		C		7.47Y	124.5	0.02	1.51	29.14	15	214	38	98					0	0	0	6
PL.25021	PL.8467	A	6ACWC	7.44Y	124.0	0.03	1.95	29.00	15	213	37	99	0.13	0.0	6.201	0.024	0	0	0	8
		B		7.43Y	123.8	0.02	2.21	27.39	14	201	32	99					0	0	0	8
		C		7.47Y	124.5	0.03	1.53	29.14	15	214	38	98					0	0	0	6
087817	PL.25021	C	Consumer	7.47Y	124.5	0.00	1.53	0.04	0	0	0	100	0.00	0.0	6.201	0.000	0	0	1	1
087807	PL.25021	C	Consumer	7.47Y	124.5	0.00	1.53	0.08	0	1	0	100	0.00	0.0	6.201	0.000	1	0	1	1
087815	PL.25021	C	Consumer	7.47Y	124.5	0.00	1.53	0.45	0	3	1	95	0.00	0.0	6.201	0.000	3	1	1	1
PL.14144	PL.25021	A	6ACWC	7.44Y	124.0	0.09	2.04	29.00	15	213	36	99	0.41	0.1	6.278	0.077	0	0	0	8
		B		7.42Y	123.7	0.08	2.29	27.39	14	201	32	99					0	0	0	8
		C		7.46Y	124.4	0.09	1.62	28.60	15	210	36	99					0	0	0	3
PL.14145	PL.14144	A	6ACWC	7.43Y	123.9	0.09	2.13	29.00	15	213	36	99	0.44	0.1	6.361	0.083	0	0	0	8
		B		7.42Y	123.6	0.09	2.38	27.34	14	200	32	99					0	0	0	7
		C		7.46Y	124.3	0.09	1.71	28.60	15	210	36	99					0	0	0	3
PL.15602	PL.14145	A	6ACWC	7.43Y	123.9	0.00	2.13	3.50	2	23	11	90	0.00	0.0	6.384	0.023	0	0	0	5
		B		7.42Y	123.6	-0.00	2.37	0.31	0	2	1	90					0	0	0	1
		C		7.46Y	124.3	0.00	1.72	3.29	2	22	11	89					0	0	0	3
PD.1776	PL.15602	A	fuse6AMP	7.43Y	123.9	0.00	2.13	3.50	60	23	11	90	0.00	0.0	6.384	0.000	0	0	0	5
		B		7.42Y	123.6	0.00	2.37	0.31	5	2	1	90					0	0	0	1
		C		7.46Y	124.3	0.00	1.72	3.29	56	22	11	89					0	0	0	3
PL.15603	PD.1776	A	6ACWC	7.43Y	123.9	0.00	2.14	3.50	2	23	11	90	0.00	0.0	6.415	0.031	0	0	0	5
		B		7.42Y	123.6	-0.00	2.37	0.31	0	2	1	90					0	0	0	1
		C		7.46Y	124.3	0.01	1.72	3.29	2	22	11	89					0	0	0	3
PL.14142	PL.15603	A	4ACSR	7.43Y	123.9	0.00	2.14	2.17	1	15	7	91	0.00	0.0	6.421	0.006	0	0	0	2
		C		7.46Y	124.3	0.00	1.72	2.12	1	14	7	90					0	0	0	1
PL.14143	PL.14142	A	4ACSR	7.43Y	123.9	0.00	2.14	2.17	1	15	7	91	0.00	0.0	6.446	0.025	0	0	0	2
		C		7.46Y	124.3	0.00	1.73	2.12	1	14	7	90					0	0	0	1

Unbalanced Voltage Drop Report
Source: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
087818	PL.14143	C	Consumer	7.46Y	124.3	0.00	1.73	0.00	0	0	0	100	0.00	0.0	6.446	0.000	0	0	0	0
087819	PL.14143	A	Consumer	7.43Y	123.9	0.00	2.14	0.05	0	0	0	100	0.00	0.0	6.446	0.000	0	0	1	1
PL.24838	PL.14143	A	4ACSR	7.43Y	123.9	0.00	2.14	2.12	1	14	7	89	0.00	0.0	6.505	0.059	0	0	0	1
		C		7.46Y	124.3	0.01	1.73	2.12	1	14	7	90					0	0	0	1
087811	PL.24838	A	Consumer	7.43Y	123.9	0.00	2.14	1.92	0	13	6	91	0.00	0.0	6.505	0.000	13	6	1	1
		C		7.46Y	124.3	0.00	1.73	1.92	0	13	6	90					13	6	1	1
087812	PL.24838	A	Consumer	7.43Y	123.9	0.00	2.14	0.20	0	1	1	71	0.00	0.0	6.505	0.000	1	1	1	1
		C		7.46Y	124.3	0.00	1.73	0.20	0	1	1	90					1	1	1	1
087813	PL.24838	A	Consumer	7.43Y	123.9	0.00	2.14	0.00	0	0	0	100	0.00	0.0	6.505	0.000	0	0	0	0
		C		7.46Y	124.3	0.00	1.73	0.00	0	0	0	100					0	0	0	0
087810	PL.15603	C	Consumer	7.46Y	124.3	0.00	1.72	0.61	0	4	2	89	0.00	0.0	6.415	0.000	4	2	1	1
087809	PL.15603	A	Consumer	7.43Y	123.9	0.00	2.14	0.10	0	1	0	100	0.00	0.0	6.415	0.000	1	0	1	1
087816	PL.15603	A	Consumer	7.43Y	123.9	0.00	2.14	0.67	0	4	2	89	0.00	0.0	6.415	0.000	4	2	1	1
PL.14141	PL.15603	A	6ACWC	7.43Y	123.9	0.00	2.14	0.56	0	4	2	89	0.00	0.0	6.516	0.100	0	0	0	1
		B		7.42Y	123.6	0.00	2.38	0.31	0	2	1	90					0	0	0	1
		C		7.46Y	124.3	0.00	1.72	0.56	0	4	2	90					0	0	0	1
PL.24840	PL.14141	A	6ACWC	7.43Y	123.9	0.00	2.14	0.56	0	4	2	89	0.00	0.0	6.548	0.032	0	0	0	1
		B		7.42Y	123.6	0.00	2.38	0.31	0	2	1	90					0	0	0	1
		C		7.46Y	124.3	0.00	1.73	0.56	0	4	2	90					0	0	0	1
PL.24839	PL.24840	A	6ACWC	7.43Y	123.9	0.00	2.14	0.56	0	4	2	89	0.00	0.0	6.575	0.027	0	0	0	1
		B		7.42Y	123.6	-0.00	2.38	0.00	0	0	0	100					0	0	0	0
		C		7.46Y	124.3	0.00	1.73	0.56	0	4	2	90					0	0	0	1
087806	PL.24839	A	Consumer	7.43Y	123.9	0.00	2.14	0.56	0	4	2	89	0.00	0.0	6.575	0.000	4	2	1	1
		C		7.46Y	124.3	0.00	1.73	0.56	0	4	2	90					4	2	1	1
087823	PL.24840	B	Consumer	7.42Y	123.6	0.00	2.38	0.31	0	2	1	89	0.00	0.0	6.548	0.000	2	1	1	1
087805	PL.24840	B	Consumer	7.42Y	123.6	0.00	2.38	0.00	0	0	0	100	0.00	0.0	6.548	0.000	0	0	0	0
PL.19649	PL.14145	A	6ACWC	7.42Y	123.7	0.20	2.33	25.66	13	189	25	99	0.92	0.2	6.567	0.205	0	0	0	4
		B		7.40Y	123.4	0.22	2.59	27.04	14	198	31	99					0	0	0	6
		C		7.45Y	124.1	0.20	1.91	25.47	13	188	25	99					0	0	0	0
PL.19650	PL.19649	A	6ACWC	7.41Y	123.5	0.17	2.50	25.66	13	189	25	99	0.77	0.1	6.738	0.171	0	0	0	4
		B		7.39Y	123.2	0.18	2.77	27.04	14	198	31	99					0	0	0	5
		C		7.44Y	123.9	0.16	2.07	25.47	13	188	25	99					0	0	0	0
PL.45920	PL.19650	A	1/0ACSR	7.41Y	123.5	0.02	2.52	25.66	8	188	25	99	0.10	0.0	6.794	0.056	0	0	0	4
		B		7.39Y	123.2	0.03	2.80	27.04	8	198	30	99					0	0	0	5
		C		7.43Y	123.9	0.02	2.10	25.47	8	188	25	99					0	0	0	0
C PD.8687	PL.45920	A	25L	7.41Y	123.5	0.00	2.52	25.66	103	188	25	99	0.00	0.0	6.794	0.000	0	0	0	4 C
C		B		7.39Y	123.2	0.00	2.80	27.04	108	198	30	99					0	0	0	5 C
C		C		7.43Y	123.9	0.00	2.10	25.47	102	188	25	99					0	0	0	0 C
PL.45921	PD.8687	A	1/0ACSR	7.41Y	123.5	0.02	2.54	25.66	8	188	25	99	0.10	0.0	6.851	0.057	0	0	0	4
		B		7.39Y	123.2	0.03	2.82	27.04	8	198	30	99					0	0	0	5
		C		7.43Y	123.9	0.02	2.12	25.47	8	188	25	99					0	0	0	0
PL.45918	PL.45921	A	2ACSR	7.41Y	123.5	0.00	2.54	0.12	0	1	0	100	0.00	0.0	6.857	0.006	0	0	0	4
		B		7.39Y	123.2	0.00	2.82	1.53	1	10	6	87					0	0	0	5
PD.8686	PL.45918	A	fuse6AMP	7.41Y	123.5	0.00	2.54	0.12	2	1	0	100	0.00	0.0	6.857	0.000	0	0	0	4
		B		7.39Y	123.2	0.00	2.82	1.53	26	10	6	87					0	0	0	5
PL.45919	PD.8686	A	2ACSR	7.41Y	123.5	0.00	2.54	0.12	0	1	0	100	0.00	0.0	6.914	0.057	0	0	0	4
		B		7.39Y	123.2	0.00	2.83	1.53	1	10	6	87					0	0	0	5
087912	PL.45919	A	Consumer	7.41Y	123.5	0.00	2.54	0.02	0	0	0	100	0.00	0.0	6.914	0.000	0	0	1	1
		B		7.39Y	123.2	0.00	2.83	0.02	0	0	0	90					0	0	1	1
PL.5257	PL.45919	B	4ACSR	7.39Y	123.2	0.01	2.83	1.51	1	10	6	86	0.00	0.0	6.992	0.078	0	0	0	4
PL.5259	PL.5257	B	4ACSR	7.39Y	123.2	0.00	2.83	0.18	0	1	1	71	0.00	0.0	7.064	0.072	0	0	0	1

Unbalanced Voltage Drop Report
Source: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
	PL.5237	PL.5259	B	4ACSR	7.39Y	123.2	0.00	2.83	0.18	0	1	1	71	0.00	0.0	7.078	0.014	0	0	0	1	
	086903	PL.5237	B	Consumer	7.39Y	123.2	0.00	2.83	0.18	0	1	1	71	0.00	0.0	7.078	0.000	1	1	1	1	
	PL.5258	PL.5257	B	4ACSR	7.39Y	123.2	0.00	2.84	1.33	1	9	5	87	0.00	0.0	7.058	0.066	0	0	0	3	
	087915	PL.5258	B	Consumer	7.39Y	123.2	0.00	2.84	0.18	0	1	1	71	0.00	0.0	7.058	0.000	1	1	1	1	
	087914	PL.5258	B	Consumer	7.39Y	123.2	0.00	2.84	0.09	0	1	0	100	0.00	0.0	7.058	0.000	1	0	1	1	
	087916	PL.5258	B	Consumer	7.39Y	123.2	0.00	2.84	1.06	0	7	4	87	0.00	0.0	7.058	0.000	7	4	1	1	
	PL.5253	PL.45919	A	4ACSR	7.41Y	123.5	0.00	2.54	0.10	0	1	0	100	0.00	0.0	6.975	0.061	0	0	0	3	
	PL.5254	PL.5253	A	4ACSR	7.41Y	123.5	0.00	2.54	0.00	0	0	0	100	0.00	0.0	7.148	0.173	0	0	0	0	
	PL.5255	PL.5253	A	4ACSR	7.41Y	123.5	0.00	2.54	0.00	0	0	0	100	0.00	0.0	7.026	0.051	0	0	0	1	
	087903	PL.5255	A	Consumer	7.41Y	123.5	0.00	2.54	0.00	0	0	0	100	0.00	0.0	7.026	0.000	0	0	1	1	
	PL.5252	PL.5253	A	4ACSR	7.41Y	123.5	0.00	2.54	0.10	0	1	0	100	0.00	0.0	7.017	0.042	0	0	0	2	
	087907	PL.5252	A	Consumer	7.41Y	123.5	0.00	2.54	0.09	0	1	0	100	0.00	0.0	7.017	0.000	1	0	1	1	
	087918	PL.5252	A	Consumer	7.41Y	123.5	0.00	2.54	0.00	0	0	0	100	0.00	0.0	7.017	0.000	0	0	1	1	
	PL.14147	PL.45921	A	1/0ACSR	7.40Y	123.4	0.09	2.63	25.55	8	188	24	99	0.38	0.1	7.074	0.223	0	0	0	0	
			B		7.39Y	123.1	0.09	2.92	25.61	8	188	25	99					0	0	0	0	
			C		7.43Y	123.8	0.09	2.21	25.47	8	188	25	99					0	0	0	0	
	087905	PL.14147	A	Consumer	7.40Y	123.4	0.00	2.63	25.57	0	188	26	99	0.00	0.0	7.074	0.000	188	26	0	0	
			B		7.39Y	123.1	0.00	2.92	25.63	0	188	26	99					188	26	0	0	
			C		7.43Y	123.8	0.00	2.21	25.49	0	188	26	99					188	26	0	0	
P	PL.14148	PL.14147	A	6ACWC	7.40Y	123.4	-0.00	2.63	-0.19	0	0	-1	0	0.00	0.0	7.216	0.142	0	0	0	0	P
P			B		7.39Y	123.1	-0.00	2.92	-0.15	0	0	-1	0					0	0	0	0	P
P			C		7.43Y	123.8	-0.00	2.21	-0.15	0	0	-1	0					0	0	0	0	P
P	PL.14149	PL.14148	A	6ACWC	7.40Y	123.4	-0.00	2.63	-0.19	0	0	-1	0	0.00	0.0	7.471	0.254	0	0	0	0	P
P			B		7.39Y	123.1	-0.00	2.92	-0.15	0	0	-1	0					0	0	0	0	P
P			C		7.43Y	123.8	-0.00	2.21	-0.15	0	0	-1	0					0	0	0	0	P
P	PL.43133	PL.14149	A	4ACSR	7.40Y	123.4	-0.00	2.63	-0.19	0	0	-1	0	0.00	0.0	7.479	0.008	0	0	0	0	P
P			B		7.39Y	123.1	-0.00	2.92	-0.15	0	0	-1	0					0	0	0	0	P
			C		7.43Y	123.8	-0.00	2.21	-0.15	0	0	-1	0					0	0	0	0	
P	PD.8576-A	PL.43133	A	Closed	7.40Y	123.4	0.00	2.63	-0.19	0	0	-1	0	0.00	0.0	7.479	0.000	0	0	0	0	P
P			B		7.39Y	123.1	0.00	2.92	-0.15	0	0	-1	0					0	0	0	0	P
			C		7.43Y	123.8	0.00	2.21	-0.15	0	0	-1	0					0	0	0	0	
P	PD.8576-B	PD.8576-A	A	Closed	7.40Y	123.4	0.00	2.63	-0.19	0	0	-1	0	0.00	0.0	7.479	0.000	0	0	0	0	P
P			B		7.39Y	123.1	0.00	2.92	-0.15	0	0	-1	0					0	0	0	0	P
			C		7.43Y	123.8	0.00	2.21	-0.15	0	0	-1	0					0	0	0	0	
P	PL.43134	PD.8576-B	A	6ACWC	7.40Y	123.4	-0.00	2.63	-0.19	0	0	-1	0	0.00	0.0	7.542	0.063	0	0	0	0	P
P			B		7.39Y	123.1	-0.00	2.91	-0.15	0	0	-1	0					0	0	0	0	P
			C		7.43Y	123.8	-0.00	2.21	-0.15	0	0	-1	0					0	0	0	0	
P	PL.14151	PL.43134	A	1/0EPRJCN	7.40Y	123.4	-0.00	2.63	-0.19	0	0	-1	0	0.00	0.0	7.626	0.084	0	0	0	0	P
P			B		7.39Y	123.1	-0.00	2.91	-0.15	0	0	-1	0					0	0	0	0	P
			C		7.43Y	123.8	-0.00	2.21	-0.15	0	0	-1	0					0	0	0	0	
P	PL.14152	PL.14151	A	1/0EPRJCN	7.40Y	123.4	-0.00	2.63	-0.12	0	0	-1	0	0.00	0.0	7.702	0.076	0	0	0	0	P
P			B		7.39Y	123.1	-0.00	2.91	-0.09	0	0	-1	0					0	0	0	0	P
			C		7.43Y	123.8	-0.00	2.21	-0.09	0	0	-1	0					0	0	0	0	
P	PL.14153	PL.14152	A	1/0EPRJCN	7.40Y	123.4	-0.00	2.63	-0.05	0	0	0	100	0.00	0.0	7.778	0.075	0	0	0	0	P
P			B		7.39Y	123.1	-0.00	2.91	-0.05	0	0	0	0					0	0	0	0	P
			C		7.43Y	123.8	-0.00	2.21	-0.05	0	0	0	0					0	0	0	0	
P	PL.5261	PL.14152	A	1/0EPRJCN	7.40Y	123.4	-0.00	2.63	-0.03	0	0	0	100	0.00	0.0	7.743	0.041	0	0	0	0	P
P	PL.5260	PL.14151	A	1/0EPRJCN	7.40Y	123.4	-0.00	2.63	-0.02	0	0	0	100	0.00	0.0	7.658	0.032	0	0	0	0	P

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: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.5246	PL.43134	A	6ACWC	7.40Y	123.4	0.00	2.63	0.00	0	0	0	100	0.00	0.0	7.607	0.065	0	0	0	0
		B		7.39Y	123.1	0.00	2.91	0.00	0	0	0	100					0	0	0	0
		C		7.43Y	123.8	0.00	2.21	0.00	0	0	0	100					0	0	0	0
PL.20485	PL.5246	B	4ACSR	7.39Y	123.1	0.00	2.91	0.00	0	0	0	100	0.00	0.0	7.676	0.069	0	0	0	0
PL.20486	PL.20485	B	4ACSR	7.39Y	123.1	0.00	2.91	0.00	0	0	0	100	0.00	0.0	7.726	0.050	0	0	0	0
PL.25022	PL.5246	A	6ACWC	7.40Y	123.4	0.00	2.63	0.00	0	0	0	100	0.00	0.0	7.640	0.033	0	0	0	0
		B		7.39Y	123.1	0.00	2.91	0.00	0	0	0	100					0	0	0	0
		C		7.43Y	123.8	0.00	2.21	0.00	0	0	0	100					0	0	0	0
PL.15529	PL.25022	A	6ACWC	7.40Y	123.4	0.00	2.63	0.00	0	0	0	100	0.00	0.0	7.665	0.025	0	0	0	0
		B		7.39Y	123.1	0.00	2.91	0.00	0	0	0	100					0	0	0	0
		C		7.43Y	123.8	0.00	2.21	0.00	0	0	0	100					0	0	0	0
PD.1820	PL.15529	A	fuse6AMP	7.40Y	123.4	0.00	2.63	0.00	0	0	0	100	0.00	0.0	7.665	0.000	0	0	0	0
		B		7.39Y	123.1	0.00	2.91	0.00	0	0	0	100					0	0	0	0
		C		7.43Y	123.8	0.00	2.21	0.00	0	0	0	100					0	0	0	0
PL.15530	PD.1820	A	6ACWC	7.40Y	123.4	0.00	2.63	0.00	0	0	0	100	0.00	0.0	7.672	0.007	0	0	0	0
		B		7.39Y	123.1	0.00	2.91	0.00	0	0	0	100					0	0	0	0
		C		7.43Y	123.8	0.00	2.21	0.00	0	0	0	100					0	0	0	0
PL.5247	PL.15530	A	6ACWC	7.40Y	123.4	0.00	2.63	0.00	0	0	0	100	0.00	0.0	7.687	0.014	0	0	0	0
		B		7.39Y	123.1	0.00	2.91	0.00	0	0	0	100					0	0	0	0
		C		7.43Y	123.8	0.00	2.21	0.00	0	0	0	100					0	0	0	0
PL.43131	PL.14149	A	4ACSR	7.40Y	123.4	0.00	2.63	0.00	0	0	0	100	0.00	0.0	7.474	0.004	0	0	0	0
		B		7.39Y	123.1	0.00	2.92	0.00	0	0	0	100					0	0	0	0
		C		7.43Y	123.8	0.00	2.21	0.00	0	0	0	100					0	0	0	0
PL.43132	PL.43131	A	6ACWC	7.40Y	123.4	0.00	2.63	0.00	0	0	0	100	0.00	0.0	7.554	0.080	0	0	0	0
		B		7.39Y	123.1	0.00	2.92	0.00	0	0	0	100					0	0	0	0
		C		7.43Y	123.8	0.00	2.21	0.00	0	0	0	100					0	0	0	0
PL.43135	PL.43132	A	6ACWC	7.40Y	123.4	0.00	2.63	0.00	0	0	0	100	0.00	0.0	7.559	0.004	0	0	0	0
		B		7.39Y	123.1	0.00	2.92	0.00	0	0	0	100					0	0	0	0
PD.8577-A	PL.43135	A	Closed	7.40Y	123.4	0.00	2.63	0.00	0	0	0	100	0.00	0.0	7.559	0.000	0	0	0	0
		B		7.39Y	123.1	0.00	2.92	0.00	0	0	0	100					0	0	0	0
PD.8577-B	PD.8577-A	A	Closed	7.40Y	123.4	0.00	2.63	0.00	0	0	0	100	0.00	0.0	7.559	0.000	0	0	0	0
		B		7.39Y	123.1	0.00	2.92	0.00	0	0	0	100					0	0	0	0
PL.43136	PD.8577-B	A	6ACWC	7.40Y	123.4	0.00	2.63	0.00	0	0	0	100	0.00	0.0	7.773	0.215	0	0	0	0
		B		7.39Y	123.1	0.00	2.92	0.00	0	0	0	100					0	0	0	0
PL.24836	PL.43136	A	6ACWC	7.40Y	123.4	0.00	2.63	0.00	0	0	0	100	0.00	0.0	8.144	0.371	0	0	0	0
		B		7.39Y	123.1	0.00	2.92	0.00	0	0	0	100					0	0	0	0
PL.5250	PL.14148	A	4ACSR	7.40Y	123.4	0.00	2.63	0.00	0	0	0	100	0.00	0.0	7.364	0.148	0	0	0	0
		B		7.39Y	123.1	0.00	2.92	0.00	0	0	0	100					0	0	0	0
		C		7.43Y	123.8	0.00	2.21	0.00	0	0	0	100					0	0	0	0
PL.5249	PL.5250	A	4ACSR	7.40Y	123.4	0.00	2.63	0.00	0	0	0	100	0.00	0.0	7.395	0.030	0	0	0	0
		B		7.39Y	123.1	0.00	2.92	0.00	0	0	0	100					0	0	0	0
		C		7.43Y	123.8	0.00	2.21	0.00	0	0	0	100					0	0	0	0
PL.24837	PL.14148	A	4ACSR	7.40Y	123.4	0.00	2.63	0.00	0	0	0	100	0.00	0.0	7.285	0.069	0	0	0	0
		B		7.39Y	123.1	0.00	2.92	0.00	0	0	0	100					0	0	0	0
PL.20779	PL.24837	A	4ACSR	7.40Y	123.4	0.00	2.63	0.00	0	0	0	100	0.00	0.0	7.294	0.009	0	0	0	0
		B		7.39Y	123.1	0.00	2.92	0.00	0	0	0	100					0	0	0	0
PL.20780	PL.20779	A	4ACSR	7.40Y	123.4	0.00	2.63	0.00	0	0	0	100	0.00	0.0	7.371	0.077	0	0	0	0
		B		7.39Y	123.1	0.00	2.92	0.00	0	0	0	100					0	0	0	0
PL.20744	PL.20780	A	4ACSR	7.40Y	123.4	0.00	2.63	0.00	0	0	0	100	0.00	0.0	7.413	0.042	0	0	0	0
		B		7.39Y	123.1	0.00	2.92	0.00	0	0	0	100					0	0	0	0
PL.5256	PL.20744	B	4ACSR	7.39Y	123.1	0.00	2.92	0.00	0	0	0	100	0.00	0.0	7.511	0.098	0	0	0	0
PL.5251	PL.20744	B	4ACSR	7.39Y	123.1	0.00	2.92	0.00	0	0	0	100	0.00	0.0	7.484	0.071	0	0	0	0
087917	PL.19649	B	Consumer	7.40Y	123.4	0.00	2.59	0.01	0	0	0	100	0.00	0.0	6.567	0.000	0	0	1	1

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

Unbalanced Voltage Drop Report
Source: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
0878025	PL.14144	B	Consumer	7.42Y	123.7	0.00	2.29	0.05	0	0	0	100	0.00	0.0	6.278	0.000	0	0	0	1
087808	0878025	B	Consumer	7.42Y	123.7	0.00	2.29	0.05	0	0	0	100	0.00	0.0	6.278	0.000	0	0	1	1
087801	PL.14144	B	Consumer	7.42Y	123.7	0.00	2.29	0.00	0	0	0	100	0.00	0.0	6.278	0.000	0	0	0	0
PL.33151	PL.28638	A	4ACSR	7.46Y	124.4	0.00	1.63	0.37	0	2	1	89	0.00	0.0	5.934	0.007	0	0	0	2
PL.33152	PL.33151	A	4ACSR	7.46Y	124.4	0.00	1.63	0.37	0	2	1	89	0.00	0.0	5.977	0.043	0	0	0	2
599702	PL.33152	A	Consumer	7.46Y	124.4	0.00	1.63	0.07	0	0	0	100	0.00	0.0	5.977	0.000	0	0	1	1
PL.35063	PL.33152	A	2ACSR	7.46Y	124.4	0.00	1.63	0.30	0	2	1	89	0.00	0.0	5.992	0.015	0	0	0	1
0868012	PL.35063	A	Consumer	7.46Y	124.4	0.00	1.63	0.30	0	2	1	89	0.00	0.0	5.992	0.000	2	1	1	1
5996001	PL.14354	B	Consumer	7.45Y	124.2	0.00	1.84	0.00	0	0	0	100	0.00	0.0	5.846	0.000	0	0	0	0
PL.16254	PL.6851	C	4ACSR	7.50Y	124.9	0.00	1.06	0.43	0	3	2	83	0.00	0.0	5.792	0.007	0	0	0	1
PD.2877	PL.16254	C	fuse6AMP	7.50Y	124.9	0.00	1.06	0.43	7	3	2	83	0.00	0.0	5.792	0.000	0	0	0	1
PL.16255	PD.2877	C	4ACSR	7.50Y	124.9	0.00	1.06	0.43	0	3	2	83	0.00	0.0	5.845	0.053	0	0	0	1
598606	PL.16255	C	Consumer	7.50Y	124.9	0.00	1.06	0.43	0	3	2	83	0.00	0.0	5.845	0.000	3	2	1	1
598605	PL.6851	C	Consumer	7.50Y	124.9	0.00	1.06	0.00	0	0	0	100	0.00	0.0	5.785	0.000	0	0	1	1
598603	PL.6851	B	Consumer	7.45Y	124.2	0.00	1.75	1.51	0	10	5	89	0.00	0.0	5.785	0.000	10	5	1	1
597502	PL.6850	B	Consumer	7.47Y	124.4	0.00	1.55	0.12	0	1	0	100	0.00	0.0	5.647	0.000	1	0	1	1
598604	PL.6850	B	Consumer	7.47Y	124.4	0.00	1.55	0.47	0	3	2	83	0.00	0.0	5.647	0.000	3	2	1	1
596404	PL.20484	B	Consumer	7.48Y	124.7	0.00	1.29	0.30	0	2	1	89	0.00	0.0	5.468	0.000	2	1	1	1
596408	PL.20484	B	Consumer	7.48Y	124.7	0.00	1.29	0.00	0	0	0	100	0.00	0.0	5.468	0.000	0	0	0	0
596409	PL.20484	B	Consumer	7.48Y	124.7	0.00	1.29	0.00	0	0	0	100	0.00	0.0	5.468	0.000	0	0	1	1
596406	PL.20484	B	Consumer	7.48Y	124.7	0.00	1.29	0.20	0	1	1	71	0.00	0.0	5.468	0.000	1	1	1	1
PL.26861	PL.25091	B	4ACSR	7.49Y	124.8	0.00	1.19	0.82	0	5	3	86	0.00	0.0	5.414	0.009	0	0	0	5
PD.2879	PL.26861	B	fuse6AMP	7.49Y	124.8	0.00	1.19	0.82	14	5	3	86	0.00	0.0	5.414	0.000	0	0	0	5
PL.26862	PD.2879	B	4ACSR	7.49Y	124.8	0.00	1.19	0.82	0	5	3	86	0.00	0.0	5.464	0.050	0	0	0	5
597401	PL.26862	B	Consumer	7.49Y	124.8	0.00	1.19	0.43	0	3	2	83	0.00	0.0	5.464	0.000	3	2	1	1
PL.7567	PL.26862	B	4ACSR	7.49Y	124.8	0.00	1.20	0.39	0	3	1	95	0.00	0.0	5.518	0.055	0	0	0	4
597406	PL.7567	B	Consumer	7.49Y	124.8	0.00	1.20	0.14	0	1	1	71	0.00	0.0	5.518	0.000	1	1	1	1
5973001	PL.7567	B	Consumer	7.49Y	124.8	0.00	1.20	0.00	0	0	0	100	0.00	0.0	5.518	0.000	0	0	1	1
PL.25020	PL.7567	B	4ACSR	7.49Y	124.8	0.00	1.20	0.25	0	2	1	89	0.00	0.0	5.565	0.047	0	0	0	2
597403	PL.25020	B	Consumer	7.49Y	124.8	0.00	1.20	0.00	0	0	0	100	0.00	0.0	5.565	0.000	0	0	0	0
597402	PL.25020	B	Consumer	7.49Y	124.8	0.00	1.20	0.13	0	1	0	100	0.00	0.0	5.565	0.000	1	0	1	1
597405	PL.25020	B	Consumer	7.49Y	124.8	0.00	1.20	0.12	0	1	0	100	0.00	0.0	5.565	0.000	1	0	1	1
597404	PL.25020	B	Consumer	7.49Y	124.8	0.00	1.20	0.00	0	0	0	100	0.00	0.0	5.565	0.000	0	0	0	0
596407	PL.25091	C	Consumer	7.52Y	125.3	0.00	0.66	0.38	0	3	1	95	0.00	0.0	5.405	0.000	3	1	1	1
596410	PL.25091	B	Consumer	7.49Y	124.8	0.00	1.19	0.00	0	0	0	100	0.00	0.0	5.405	0.000	0	0	0	0
596405	PL.25091	C	Consumer	7.52Y	125.3	0.00	0.66	0.22	0	1	1	71	0.00	0.0	5.405	0.000	1	1	1	1
596411	PL.25091	A	Consumer	7.50Y	125.0	0.00	0.99	0.00	0	0	0	100	0.00	0.0	5.405	0.000	0	0	0	0
PL.33149	PL.45914	A	4ACSR	7.51Y	125.1	0.00	0.89	2.75	1	18	10	87	0.00	0.0	5.337	0.012	0	0	0	2

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: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.3968	PL.33149	A	fuse6AMP	7.51Y	125.1	0.00	0.89	2.75	47	18	10	87	0.00	0.0	5.337	0.000	0	0	0	2
PL.33150	PD.3968	A	4ACSR	7.51Y	125.1	0.00	0.90	2.75	1	18	10	87	0.00	0.0	5.345	0.008	0	0	0	2
PL.2891	PL.33150	A	4ACSR	7.51Y	125.1	0.00	0.90	1.16	1	8	4	89	0.00	0.0	5.411	0.066	0	0	0	1
596202	PL.2891	A	Consumer	7.51Y	125.1	0.00	0.90	1.16	0	8	4	89	0.00	0.0	5.411	0.000	8	4	1	1
PL.2893	PL.33150	A	4ACSR	7.51Y	125.1	0.00	0.90	1.59	1	10	6	86	0.00	0.0	5.389	0.045	0	0	0	1
596301	PL.2893	A	Consumer	7.51Y	125.1	0.00	0.90	1.59	0	10	6	86	0.00	0.0	5.389	0.000	10	6	1	1
595303	PL.45914	C	Consumer	7.53Y	125.4	0.00	0.57	0.00	0	0	0	100	0.00	0.0	5.325	0.000	0	0	0	0
595302	PL.45914	A	Consumer	7.51Y	125.1	0.00	0.89	0.00	0	0	0	100	0.00	0.0	5.325	0.000	0	0	1	1
594208	PL.14282	B	Consumer	7.51Y	125.2	0.00	0.82	0.02	0	0	0	100	0.00	0.0	5.164	0.000	0	0	1	1
595201	PL.14282	B	Consumer	7.51Y	125.2	0.00	0.82	0.15	0	1	1	71	0.00	0.0	5.164	0.000	1	1	1	1
PL.26856	PL.14353	A	4ACSR	7.52Y	125.4	0.00	0.63	0.83	0	5	3	86	0.00	0.0	5.134	0.005	0	0	0	6
PD.2873	PL.26856	A	fuse6AMP	7.52Y	125.4	0.00	0.63	0.83	14	5	3	86	0.00	0.0	5.134	0.000	0	0	0	6
PL.26857	PD.2873	A	4ACSR	7.52Y	125.4	0.00	0.63	0.83	0	5	3	86	0.00	0.0	5.196	0.061	0	0	0	6
PL.6853	PL.26857	A	4ACSR	7.52Y	125.4	0.00	0.63	0.83	0	5	3	86	0.00	0.0	5.249	0.053	0	0	0	6
PL.7563	PL.6853	A	4ACSR	7.52Y	125.4	0.00	0.63	0.64	0	4	2	89	0.00	0.0	5.278	0.029	0	0	0	5
PL.3149	PL.7563	A	4ACSR	7.52Y	125.4	0.00	0.64	0.61	0	4	2	89	0.00	0.0	5.361	0.083	0	0	0	4
595101	PL.3149	A	Consumer	7.52Y	125.4	0.00	0.64	0.06	0	0	0	100	0.00	0.0	5.361	0.000	0	0	1	1
595103	PL.3149	A	Consumer	7.52Y	125.4	0.00	0.64	0.02	0	0	0	100	0.00	0.0	5.361	0.000	0	0	1	1
5951002	PL.3149	A	Consumer	7.52Y	125.4	0.00	0.64	0.53	0	3	2	83	0.00	0.0	5.361	0.000	3	2	1	1
5951004	PL.3149	A	Consumer	7.52Y	125.4	0.00	0.64	0.00	0	0	0	100	0.00	0.0	5.361	0.000	0	0	0	0
PL.33991	PL.3149	A	2ACSR	7.52Y	125.4	-0.00	0.64	0.00	0	0	0	100	0.00	0.0	5.406	0.045	0	0	0	1
5952004	PL.33991	A	Consumer	7.52Y	125.4	0.00	0.64	0.00	0	0	0	100	0.00	0.0	5.406	0.000	0	0	1	1
5941003	PL.7563	A	Consumer	7.52Y	125.4	0.00	0.63	0.00	0	0	0	100	0.00	0.0	5.278	0.000	0	0	0	0
594101	PL.7563	A	Consumer	7.52Y	125.4	0.00	0.63	0.02	0	0	0	100	0.00	0.0	5.278	0.000	0	0	1	1
594102	PL.6853	A	Consumer	7.52Y	125.4	0.00	0.63	0.20	0	1	1	71	0.00	0.0	5.249	0.000	1	1	1	1
PL.18848	PL.14030	A	4ACSR	7.54Y	125.7	0.00	0.31	1.96	1	13	7	88	0.00	0.0	4.945	0.013	0	0	0	2
PD.2876	PL.18848	A	fuse6AMP	7.54Y	125.7	0.00	0.31	1.96	34	13	7	88	0.00	0.0	4.945	0.000	0	0	0	2
PL.18849	PD.2876	A	4ACSR	7.54Y	125.7	0.01	0.31	1.96	1	13	7	88	0.00	0.0	5.009	0.064	0	0	0	2
592208	PL.18849	A	Consumer	7.54Y	125.7	0.00	0.31	0.15	0	1	1	71	0.00	0.0	5.009	0.000	1	1	1	1
592210	PL.18849	A	Consumer	7.54Y	125.7	0.00	0.31	1.82	0	12	6	89	0.00	0.0	5.009	0.000	12	6	1	1
592207	PL.18849	A	Consumer	7.54Y	125.7	0.00	0.31	0.00	0	0	0	100	0.00	0.0	5.009	0.000	0	0	0	0
PL.211	PL.14030	A	6ACWC	7.54Y	125.7	0.01	0.32	2.30	1	15	9	86	0.16	0.1	5.011	0.079	0	0	0	0
		B		7.53Y	125.4	0.11	0.58	29.46	15	194	108	87					0	0	0	70
		C		7.55Y	125.9	-0.02	0.12	2.30	1	15	9	85					0	0	0	0
PL.43725	PL.211	A	2ACSR	7.54Y	125.7	0.00	0.32	0.00	0	0	0	100	0.00	0.0	5.042	0.032	0	0	0	0
		B		7.53Y	125.4	0.00	0.58	0.00	0	0	0	100					0	0	0	0
		C		7.55Y	125.9	0.00	0.12	0.00	0	0	0	100					0	0	0	0
5923009	PL.43725	C	Consumer	7.55Y	125.9	0.00	0.12	0.00	0	0	0	100	0.00	0.0	5.042	0.000	0	0	0	0
5923010	5923009	C	Consumer	7.55Y	125.9	0.00	0.12	0.00	0	0	0	100	0.00	0.0	5.042	0.000	0	0	0	0

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

Unbalanced Voltage Drop Report
Source: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.2899	PL.211	A	2ACSR	7.54Y	125.7	0.00	0.32	2.30	1	15	9	86	0.00	0.0	5.038	0.028	0	0	0	0
		B		7.52Y	125.4	0.00	0.58	2.31	1	15	9	85					0	0	0	0
		C		7.55Y	125.9	0.00	0.12	2.30	1	15	9	85					0	0	0	0
592308	PL.2899	A	Consumer	7.54Y	125.7	0.00	0.32	2.30	0	15	9	86	0.00	0.0	5.038	0.000	15	9	0	0
		B		7.52Y	125.4	0.00	0.58	2.31	0	15	9	85					15	9	0	0
		C		7.55Y	125.9	0.00	0.12	2.30	0	15	9	85					15	9	0	0
PL.39059	PL.211	B	2ACSR	7.52Y	125.4	0.00	0.58	14.77	6	97	54	87	0.00	0.0	5.015	0.004	0	0	0	40
PD.6825-A	PL.39059	B	Closed	7.52Y	125.4	0.00	0.58	14.77	0	97	54	87	0.00	0.0	5.015	0.000	0	0	0	40
PD.6825-B	PD.6825-A	B	Closed	7.52Y	125.4	0.00	0.58	14.77	0	97	54	87	0.00	0.0	5.015	0.000	0	0	0	40
PL.39061	PD.6825-B	B	2ACSR	7.52Y	125.4	0.02	0.60	14.77	6	97	54	87	0.01	0.0	5.053	0.038	0	0	0	40
PD.6826	PL.39061	B	25E	7.52Y	125.4	0.00	0.60	14.77	59	97	54	87	0.00	0.0	5.053	0.000	0	0	0	40
PL.39062	PD.6826	B	2ACSR	7.52Y	125.4	0.01	0.61	14.77	6	97	54	87	0.01	0.0	5.068	0.015	0	0	0	40
592409	PL.39062	B	Consumer	7.52Y	125.4	0.00	0.61	0.08	0	1	0	100	0.00	0.0	5.068	0.000	1	0	1	1
592401	PL.39062	B	Consumer	7.52Y	125.4	0.00	0.61	0.12	0	1	0	100	0.00	0.0	5.068	0.000	1	0	1	1
PL.39058	PL.39062	B	2ACSR	7.52Y	125.4	0.02	0.63	14.56	6	96	53	88	0.01	0.0	5.106	0.038	0	0	0	38
PL.39056	PL.39058	B	2ACSR	7.52Y	125.3	0.04	0.67	14.27	6	94	52	88	0.03	0.0	5.186	0.079	0	0	0	37
592507	PL.39056	B	Consumer	7.52Y	125.3	0.00	0.67	0.34	0	2	1	89	0.00	0.0	5.186	0.000	2	1	1	1
592502	PL.39056	B	Consumer	7.52Y	125.3	0.00	0.67	0.15	0	1	0	100	0.00	0.0	5.186	0.000	1	0	1	1
592508	PL.39056	B	Consumer	7.52Y	125.3	0.00	0.67	0.00	0	0	0	100	0.00	0.0	5.186	0.000	0	0	0	0
592504	PL.39056	B	Consumer	7.52Y	125.3	0.00	0.67	0.00	0	0	0	100	0.00	0.0	5.186	0.000	0	0	0	0
592509	PL.39056	B	Consumer	7.52Y	125.3	0.00	0.67	0.00	0	0	0	100	0.00	0.0	5.186	0.000	0	0	0	0
PL.39054	PL.39056	B	2ACSR	7.51Y	125.1	0.23	0.90	13.79	5	91	50	88	0.15	0.2	5.667	0.481	0	0	0	35
PD.6827-A	PL.39054	B	Closed	7.51Y	125.1	0.00	0.90	13.79	0	90	50	87	0.00	0.0	5.667	0.000	0	0	0	35
PD.6827-B	PD.6827-A	B	Closed	7.51Y	125.1	0.00	0.90	13.79	0	90	50	87	0.00	0.0	5.667	0.000	0	0	0	35
PL.39052	PD.6827-B	B	4ACSR	7.50Y	124.9	0.16	1.05	13.79	7	90	50	87	0.11	0.1	5.912	0.245	0	0	0	35
PL.14040	PL.39052	B	4ACSR	7.49Y	124.8	0.10	1.15	13.79	7	90	50	87	0.07	0.1	6.063	0.152	0	0	0	35
PL.33147	PL.14040	B	4ACSR	7.49Y	124.8	0.00	1.15	0.26	0	2	1	89	0.00	0.0	6.072	0.009	0	0	0	1
PD.3967	PL.33147	B	fuse6AMP	7.49Y	124.8	0.00	1.15	0.26	4	2	1	89	0.00	0.0	6.072	0.000	0	0	0	1
PL.33148	PD.3967	B	4ACSR	7.49Y	124.8	0.00	1.15	0.26	0	2	1	89	0.00	0.0	6.129	0.057	0	0	0	1
086913	PL.33148	B	Consumer	7.49Y	124.8	0.00	1.15	0.26	0	2	1	89	0.00	0.0	6.129	0.000	2	1	1	1
PL.14041	PL.14040	B	4ACSR	7.46Y	124.3	0.53	1.68	13.53	7	89	49	88	0.37	0.4	6.906	0.843	0	0	0	34
PL.40405	PL.14041	B	2ACSR	7.46Y	124.3	0.00	1.68	0.00	0	0	0	100	0.00	0.0	6.963	0.057	0	0	0	0
0869022	PL.40405	B	Consumer	7.46Y	124.3	0.00	1.68	0.00	0	0	0	100	0.00	0.0	6.963	0.000	0	0	0	0
PL.43129	PL.14041	B	2ACSR	7.46Y	124.3	0.03	1.71	13.53	5	88	49	87	0.02	0.0	6.963	0.056	0	0	0	34
PD.8575-A	PL.43129	B	Closed	7.46Y	124.3	0.00	1.71	13.53	0	88	49	87	0.00	0.0	6.963	0.000	0	0	0	34
PD.8575-B	PD.8575-A	B	Closed	7.46Y	124.3	0.00	1.71	13.53	0	88	49	87	0.00	0.0	6.963	0.000	0	0	0	34
PL.43130	PD.8575-B	B	2ACSR	7.46Y	124.3	0.02	1.73	13.53	5	88	49	87	0.01	0.0	7.006	0.043	0	0	0	34
PL.40404	PL.43130	B	2ACSR	7.45Y	124.2	0.08	1.81	12.11	5	79	44	87	0.04	0.1	7.195	0.189	0	0	0	33
PL.40402	PL.40404	B	4ACSR	7.45Y	124.1	0.07	1.88	12.11	6	79	44	87	0.04	0.1	7.317	0.122	0	0	0	33
PL.14043	PL.40402	B	4ACSR	7.45Y	124.1	0.04	1.91	10.11	5	66	37	87	0.02	0.0	7.399	0.081	0	0	0	29

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: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.33960	PL.14043	B	4ACSR	7.44Y	124.1	0.02	1.94	10.11	5	66	37	87	0.01	0.0	7.443	0.045	0	0	0	29
0869020	PL.33960	B	Consumer	7.44Y	124.1	0.00	1.94	0.28	0	2	1	89	0.00	0.0	7.443	0.000	2	1	1	1
PL.33961	PL.33960	B	4ACSR	7.44Y	124.1	0.01	1.94	9.83	5	64	36	87	0.00	0.0	7.462	0.019	0	0	0	28
PL.8335	PL.33961	B	4ACSR	7.44Y	124.0	0.02	1.96	9.83	5	64	36	87	0.01	0.0	7.501	0.039	0	0	0	28
086916	PL.8335	B	Consumer	7.44Y	124.0	0.00	1.96	0.32	0	2	1	89	0.00	0.0	7.501	0.000	2	1	1	1
PL.8336	PL.8335	B	4ACSR	7.44Y	124.0	0.01	1.98	9.52	5	62	34	88	0.01	0.0	7.532	0.031	0	0	0	27
096216	PL.8336	B	Consumer	7.44Y	124.0	0.00	1.98	0.10	0	1	0	100	0.00	0.0	7.532	0.000	1	0	1	1
096238	PL.8336	B	Consumer	7.44Y	124.0	0.00	1.98	0.57	0	4	2	89	0.00	0.0	7.532	0.000	4	2	1	1
PL.20152	PL.8336	B	4ACSR	7.44Y	124.0	0.02	2.00	8.85	5	58	32	88	0.01	0.0	7.582	0.050	0	0	0	25
PL.20153	PL.20152	B	4ACSR	7.44Y	124.0	0.02	2.02	8.60	4	56	31	87	0.01	0.0	7.635	0.052	0	0	0	24
PL.19178	PL.20153	B	4ACSR	7.44Y	123.9	0.07	2.08	6.85	4	45	24	88	0.02	0.1	7.841	0.206	0	0	0	21
096221	PL.19178	B	Consumer	7.44Y	123.9	0.00	2.08	0.59	0	4	2	89	0.00	0.0	7.841	0.000	4	2	1	1
PL.19179	PL.19178	B	4ACSR	7.43Y	123.9	0.02	2.11	6.25	3	41	22	88	0.01	0.0	7.923	0.083	0	0	0	20
PL.14044	PL.19179	B	4ACSR	7.43Y	123.9	0.01	2.12	4.82	2	32	17	88	0.00	0.0	7.970	0.047	0	0	0	16
096203	PL.14044	B	Consumer	7.43Y	123.9	0.00	2.12	0.00	0	0	0	100	0.00	0.0	7.970	0.000	0	0	1	1
PL.14045	PL.14044	B	4ACSR	7.43Y	123.9	0.01	2.12	4.82	2	32	17	88	0.00	0.0	7.996	0.026	0	0	0	15
PL.14046	PL.14045	B	4ACSR	7.43Y	123.9	0.01	2.13	4.82	2	32	17	88	0.00	0.0	8.040	0.044	0	0	0	15
PL.14047	PL.14046	B	4ACSR	7.43Y	123.9	0.01	2.14	4.11	2	27	14	89	0.00	0.0	8.100	0.060	0	0	0	13
PL.14048	PL.14047	B	4ACSR	7.43Y	123.9	0.00	2.15	3.98	2	26	14	88	0.00	0.0	8.111	0.011	0	0	0	12
PL.19228	PL.14048	B	4ACSR	7.43Y	123.9	0.00	2.15	0.96	0	6	4	83	0.00	0.0	8.162	0.051	0	0	0	8
096205	PL.19228	B	Consumer	7.43Y	123.9	0.00	2.15	0.14	0	1	1	71	0.00	0.0	8.162	0.000	1	1	1	1
096230	PL.19228	B	Consumer	7.43Y	123.9	0.00	2.15	0.00	0	0	0	100	0.00	0.0	8.162	0.000	0	0	0	0
096229	PL.19228	B	Consumer	7.43Y	123.9	0.00	2.15	0.14	0	1	1	71	0.00	0.0	8.162	0.000	1	1	1	1
PL.19229	PL.19228	B	4ACSR	7.43Y	123.8	0.00	2.15	0.68	0	4	3	80	0.00	0.0	8.255	0.092	0	0	0	6
096215	PL.19229	B	Consumer	7.43Y	123.8	0.00	2.15	0.25	0	2	1	89	0.00	0.0	8.255	0.000	2	1	1	1
PL.19651	PL.19229	B	4ACSR	7.43Y	123.8	0.00	2.15	0.43	0	3	2	83	0.00	0.0	8.373	0.118	0	0	0	5
PL.19652	PL.19651	B	4ACSR	7.43Y	123.8	0.00	2.16	0.40	0	3	1	95	0.00	0.0	8.436	0.063	0	0	0	4
PL.5326	PL.19652	B	4ACSR	7.43Y	123.8	0.00	2.16	0.00	0	0	0	100	0.00	0.0	8.466	0.030	0	0	0	0
096235	PL.19652	B	Consumer	7.43Y	123.8	0.00	2.16	0.01	0	0	0	100	0.00	0.0	8.436	0.000	0	0	1	1
095201	PL.19652	B	Consumer	7.43Y	123.8	0.00	2.16	0.05	0	0	0	100	0.00	0.0	8.436	0.000	0	0	1	1
096220	PL.19652	B	Consumer	7.43Y	123.8	0.00	2.16	0.03	0	0	0	100	0.00	0.0	8.436	0.000	0	0	1	1
096218	PL.19652	B	Consumer	7.43Y	123.8	0.00	2.16	0.32	0	2	1	89	0.00	0.0	8.436	0.000	2	1	1	1
0962046	PL.19651	B	Consumer	7.43Y	123.8	0.00	2.15	0.03	0	0	0	100	0.00	0.0	8.373	0.000	0	0	1	1
PL.35689	PL.14048	B	4ACSR	7.43Y	123.9	0.00	2.15	3.02	2	20	10	89	0.00	0.0	8.117	0.006	0	0	0	4
PD.5258	PL.35689	B	fuse6AMP	7.43Y	123.9	0.00	2.15	3.02	52	20	10	89	0.00	0.0	8.117	0.000	0	0	0	4
PL.35690	PD.5258	B	4ACSR	7.43Y	123.8	0.01	2.16	3.02	2	20	10	89	0.00	0.0	8.201	0.084	0	0	0	4
096204	PL.35690	B	Consumer	7.43Y	123.8	0.00	2.16	0.55	0	4	2	89	0.00	0.0	8.201	0.000	4	2	1	1
096219	PL.35690	B	Consumer	7.43Y	123.8	0.00	2.16	0.13	0	1	0	100	0.00	0.0	8.201	0.000	1	0	1	1

Unbalanced Voltage Drop Report
Source: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.5323	PL.35690	B	4ACSR	7.43Y	123.8	0.01	2.16	2.33	1	16	8	89	0.00	0.0	8.257	0.056	0	0	0	2
PL.5324	PL.5323	B	4ACSR	7.43Y	123.8	0.01	2.17	2.33	1	16	8	89	0.00	0.0	8.336	0.079	0	0	0	2
PL.5327	PL.5324	B	4ACSR	7.43Y	123.8	0.00	2.17	0.08	0	1	0	100	0.00	0.0	8.374	0.038	0	0	0	1
096243	PL.5327	B	Consumer	7.43Y	123.8	0.00	2.17	0.08	0	1	0	100	0.00	0.0	8.374	0.000	1	0	1	1
096233	PL.5324	B	Consumer	7.43Y	123.8	0.00	2.17	2.25	0	15	7	91	0.00	0.0	8.336	0.000	15	7	1	1
096237	PL.14047	B	Consumer	7.43Y	123.9	0.00	2.14	0.13	0	1	0	100	0.00	0.0	8.100	0.000	1	0	1	1
PL.35687	PL.14046	B	4ACSR	7.43Y	123.9	0.00	2.13	0.72	0	5	3	86	0.00	0.0	8.050	0.010	0	0	0	2
PD.5257	PL.35687	B	fuse6AMP	7.43Y	123.9	0.00	2.13	0.72	12	5	3	86	0.00	0.0	8.050	0.000	0	0	0	2
PL.35688	PD.5257	B	4ACSR	7.43Y	123.9	0.00	2.13	0.72	0	5	3	86	0.00	0.0	8.083	0.033	0	0	0	2
096227	PL.35688	B	Consumer	7.43Y	123.9	0.00	2.13	0.24	0	2	1	89	0.00	0.0	8.083	0.000	2	1	1	1
096228	PL.35688	B	Consumer	7.43Y	123.9	0.00	2.13	0.48	0	3	2	83	0.00	0.0	8.083	0.000	3	2	1	1
PL.35683	PL.19179	B	4ACSR	7.43Y	123.9	0.00	2.11	1.27	1	8	5	85	0.00	0.0	7.936	0.013	0	0	0	3
PD.5255	PL.35683	B	fuse6AMP	7.43Y	123.9	0.00	2.11	1.27	22	8	5	85	0.00	0.0	7.936	0.000	0	0	0	3
PL.35684	PD.5255	B	4ACSR	7.43Y	123.9	0.00	2.11	1.27	1	8	5	85	0.00	0.0	7.990	0.055	0	0	0	3
096244	PL.35684	B	Consumer	7.43Y	123.9	0.00	2.11	0.07	0	0	0	100	0.00	0.0	7.990	0.000	0	0	1	1
096208	PL.35684	B	Consumer	7.43Y	123.9	0.00	2.11	0.66	0	4	2	89	0.00	0.0	7.990	0.000	4	2	1	1
096239	PL.35684	B	Consumer	7.43Y	123.9	0.00	2.11	0.00	0	0	0	100	0.00	0.0	7.990	0.000	0	0	0	0
096217	PL.35684	B	Consumer	7.43Y	123.9	0.00	2.11	0.54	0	3	2	83	0.00	0.0	7.990	0.000	3	2	1	1
096201	PL.19179	B	Consumer	7.43Y	123.9	0.00	2.11	0.16	0	1	1	71	0.00	0.0	7.923	0.000	1	1	1	1
PL.35681	PL.20153	B	4ACSR	7.44Y	124.0	0.00	2.02	1.75	1	11	7	84	0.00	0.0	7.642	0.007	0	0	0	3
PD.5254	PL.35681	B	fuse6AMP	7.44Y	124.0	0.00	2.02	1.75	30	11	7	84	0.00	0.0	7.642	0.000	0	0	0	3
PL.35682	PD.5254	B	4ACSR	7.44Y	124.0	0.00	2.02	1.75	1	11	7	84	0.00	0.0	7.677	0.035	0	0	0	3
PL.19571	PL.35682	B	4ACSR	7.44Y	124.0	0.00	2.02	0.89	0	6	3	89	0.00	0.0	7.704	0.028	0	0	0	2
096242	PL.19571	B	Consumer	7.44Y	124.0	0.00	2.02	0.17	0	1	1	71	0.00	0.0	7.704	0.000	1	1	1	1
096224	PL.19571	B	Consumer	7.44Y	124.0	0.00	2.02	0.72	0	5	3	86	0.00	0.0	7.704	0.000	5	3	1	1
096241	PL.19571	B	Consumer	7.44Y	124.0	0.00	2.02	0.00	0	0	0	100	0.00	0.0	7.704	0.000	0	0	0	0
096225	PL.19571	B	Consumer	7.44Y	124.0	0.00	2.02	0.00	0	0	0	100	0.00	0.0	7.704	0.000	0	0	0	0
096223	PL.35682	B	Consumer	7.44Y	124.0	0.00	2.02	0.00	0	0	0	100	0.00	0.0	7.677	0.000	0	0	0	0
096234	PL.35682	B	Consumer	7.44Y	124.0	0.00	2.02	0.86	0	6	3	89	0.00	0.0	7.677	0.000	6	3	1	1
096222	PL.20152	B	Consumer	7.44Y	124.0	0.00	2.00	0.25	0	2	1	89	0.00	0.0	7.582	0.000	2	1	1	1
PL.35679	PL.40402	B	4ACSR	7.45Y	124.1	0.00	1.88	1.30	1	9	4	91	0.00	0.0	7.336	0.019	0	0	0	2
PD.5253	PL.35679	B	fuse6AMP	7.45Y	124.1	0.00	1.88	1.30	22	9	4	91	0.00	0.0	7.336	0.000	0	0	0	2
PL.35680	PD.5253	B	4ACSR	7.45Y	124.1	0.00	1.88	1.30	1	9	4	91	0.00	0.0	7.366	0.030	0	0	0	2
086919	PL.35680	B	Consumer	7.45Y	124.1	0.00	1.88	0.53	0	3	2	83	0.00	0.0	7.366	0.000	3	2	1	1
PL.25274	PL.35680	B	4ACSR	7.45Y	124.1	0.00	1.88	0.78	0	5	3	86	0.00	0.0	7.367	0.000	0	0	0	1
PL.5238	PL.25274	B	4ACSR	7.45Y	124.1	0.00	1.88	0.78	0	5	3	86	0.00	0.0	7.435	0.068	0	0	0	1
086918	PL.5238	B	Consumer	7.45Y	124.1	0.00	1.88	0.78	0	5	3	86	0.00	0.0	7.435	0.000	5	3	1	1
086917	PL.40402	B	Consumer	7.45Y	124.1	0.00	1.88	0.54	0	3	2	83	0.00	0.0	7.317	0.000	3	2	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: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
086910	PL.40402	B	Consumer	7.45Y	124.1	0.00	1.88	0.16	0	1	1	71	0.00	0.0	7.317	0.000	1	1	1	1
086914	PL.43130	B	Consumer	7.46Y	124.3	0.00	1.73	1.42	0	9	5	87	0.00	0.0	7.006	0.000	9	5	1	1
592408	PL.39058	B	Consumer	7.52Y	125.4	0.00	0.63	0.00	0	0	0	100	0.00	0.0	5.106	0.000	0	0	0	0
592405	PL.39058	B	Consumer	7.52Y	125.4	0.00	0.63	0.29	0	2	1	89	0.00	0.0	5.106	0.000	2	1	1	1
PL.26854	PL.211	B	4ACSR	7.52Y	125.4	0.00	0.59	12.39	6	82	44	88	0.00	0.0	5.018	0.007	0	0	0	30
PD.6889	PL.26854	B	25L	7.52Y	125.4	0.00	0.59	12.39	50	82	44	88	0.00	0.0	5.018	0.000	0	0	0	30
PL.26855	PD.6889	B	4ACSR	7.52Y	125.4	0.06	0.64	12.39	6	82	44	88	0.04	0.0	5.114	0.096	0	0	0	30
PL.7564	PL.26855	B	4ACSR	7.52Y	125.3	0.01	0.65	5.31	3	36	18	89	0.00	0.0	5.166	0.052	0	0	0	5
591303	PL.7564	B	Consumer	7.52Y	125.3	0.00	0.65	4.49	0	30	15	89	0.00	0.0	5.166	0.000	30	15	1	1
PL.39141	PL.7564	B	4ACSR	7.52Y	125.3	0.00	0.66	0.83	0	5	3	86	0.00	0.0	5.196	0.030	0	0	0	4
591302	PL.39141	B	Consumer	7.52Y	125.3	0.00	0.66	0.29	0	2	1	89	0.00	0.0	5.196	0.000	2	1	1	1
5913005	PL.39141	B	Consumer	7.52Y	125.3	0.00	0.66	0.08	0	1	0	100	0.00	0.0	5.196	0.000	1	0	1	1
PL.39142	PL.39141	B	4ACSR	7.52Y	125.3	0.00	0.66	0.46	0	3	2	83	0.00	0.0	5.209	0.013	0	0	0	2
PL.6852	PL.39142	B	4ACSR	7.52Y	125.3	0.00	0.66	0.46	0	3	2	83	0.00	0.0	5.228	0.019	0	0	0	2
590201	PL.6852	B	Consumer	7.52Y	125.3	0.00	0.66	0.26	0	2	1	89	0.00	0.0	5.228	0.000	2	1	1	1
590202	PL.6852	B	Consumer	7.52Y	125.3	0.00	0.66	0.20	0	1	1	71	0.00	0.0	5.228	0.000	1	1	1	1
PL.14031	PL.26855	B	4ACSR	7.52Y	125.3	0.05	0.69	6.64	3	43	25	86	0.02	0.0	5.268	0.154	0	0	0	23
590405	PL.14031	B	Consumer	7.52Y	125.3	0.00	0.69	0.57	0	4	2	89	0.00	0.0	5.268	0.000	4	2	1	1
590408	PL.14031	B	Consumer	7.52Y	125.3	0.00	0.69	0.22	0	1	1	71	0.00	0.0	5.268	0.000	1	1	1	1
PL.14032	PL.14031	B	4ACSR	7.52Y	125.3	0.02	0.70	5.85	3	38	22	87	0.00	0.0	5.326	0.058	0	0	0	21
PL.14033	PL.14032	B	4ACSR	7.52Y	125.3	0.01	0.72	5.78	3	38	22	87	0.00	0.0	5.380	0.055	0	0	0	19
PL.14036	PL.14033	B	4ACSR	7.52Y	125.3	0.01	0.73	5.78	3	38	22	87	0.00	0.0	5.427	0.047	0	0	0	19
PL.25271	PL.14036	B	4ACSR	7.52Y	125.3	0.00	0.73	1.38	1	9	5	87	0.00	0.0	5.452	0.024	0	0	0	4
PL.25272	PL.25271	B	4ACSR	7.52Y	125.3	0.00	0.73	0.76	0	5	3	86	0.00	0.0	5.490	0.038	0	0	0	2
PL.14038	PL.25272	B	4ACSR	7.52Y	125.3	0.00	0.74	0.76	0	5	3	86	0.00	0.0	5.503	0.013	0	0	0	2
PL.2901	PL.14038	B	4ACSR	7.52Y	125.3	0.00	0.74	0.62	0	4	2	89	0.00	0.0	5.541	0.038	0	0	0	1
085815	PL.2901	B	Consumer	7.52Y	125.3	0.00	0.74	0.62	0	4	2	89	0.00	0.0	5.541	0.000	4	2	1	1
PL.14039	PL.14038	B	4ACSR	7.52Y	125.3	0.00	0.74	0.15	0	1	1	71	0.00	0.0	5.602	0.099	0	0	0	1
590501	PL.14039	B	Consumer	7.52Y	125.3	0.00	0.74	0.15	0	1	1	71	0.00	0.0	5.602	0.000	1	1	1	1
085813	PL.25271	B	Consumer	7.52Y	125.3	0.00	0.73	0.30	0	2	1	89	0.00	0.0	5.452	0.000	2	1	1	1
085812	PL.25271	B	Consumer	7.52Y	125.3	0.00	0.73	0.32	0	2	1	89	0.00	0.0	5.452	0.000	2	1	1	1
PL.14037	PL.14036	B	4ACSR	7.52Y	125.3	0.01	0.74	4.25	2	28	16	87	0.00	0.0	5.477	0.049	0	0	0	14
085808	PL.14037	B	Consumer	7.52Y	125.3	0.00	0.74	0.00	0	0	0	100	0.00	0.0	5.477	0.000	0	0	0	0
085809	PL.14037	B	Consumer	7.52Y	125.3	0.00	0.74	0.13	0	1	0	100	0.00	0.0	5.477	0.000	1	0	1	1
590410	PL.14037	B	Consumer	7.52Y	125.3	0.00	0.74	0.70	0	5	3	86	0.00	0.0	5.477	0.000	5	3	1	1
085814	PL.14037	B	Consumer	7.52Y	125.3	0.00	0.74	0.47	0	3	2	83	0.00	0.0	5.477	0.000	3	2	1	1
085807	PL.14037	B	Consumer	7.52Y	125.3	0.00	0.74	0.41	0	3	2	83	0.00	0.0	5.477	0.000	3	2	1	1
PL.25270	PL.14037	B	4ACSR	7.52Y	125.3	0.00	0.75	2.54	1	17	10	86	0.00	0.0	5.506	0.030	0	0	0	10

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: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.7566	PL.25270	B	4ACSR	7.52Y	125.3	0.00	0.75	2.54	1	17	10	86	0.00	0.0	5.535	0.029	0	0	0	10
PL.14034	PL.7566	B	4ACSR	7.51Y	125.2	0.00	0.75	2.14	1	14	8	87	0.00	0.0	5.585	0.050	0	0	0	8
PL.14035	PL.14034	B	4ACSR	7.51Y	125.2	0.00	0.76	1.44	1	9	5	87	0.00	0.0	5.615	0.030	0	0	0	5
PL.19311	PL.14035	B	4ACSR	7.51Y	125.2	0.00	0.76	1.44	1	9	5	87	0.00	0.0	5.635	0.020	0	0	0	5
PL.27938	PL.19311	B	4ACSR	7.51Y	125.2	0.00	0.76	1.09	1	7	4	87	0.00	0.0	5.653	0.018	0	0	0	4
PL.20481	PL.27938	B	4ACSR	7.51Y	125.2	0.00	0.76	1.09	1	7	4	87	0.00	0.0	5.688	0.035	0	0	0	4
PL.20482	PL.20481	B	4ACSR	7.51Y	125.2	0.00	0.76	0.54	0	4	2	89	0.00	0.0	5.717	0.030	0	0	0	2
590302	PL.20482	B	Consumer	7.51Y	125.2	0.00	0.76	0.28	0	2	1	89	0.00	0.0	5.717	0.000	2	1	1	1
590303	PL.20482	B	Consumer	7.51Y	125.2	0.00	0.76	0.26	0	2	1	89	0.00	0.0	5.717	0.000	2	1	1	1
590304	PL.20481	B	Consumer	7.51Y	125.2	0.00	0.76	0.10	0	1	0	100	0.00	0.0	5.688	0.000	1	0	1	1
590301	PL.20481	B	Consumer	7.51Y	125.2	0.00	0.76	0.45	0	3	2	83	0.00	0.0	5.688	0.000	3	2	1	1
085810	PL.19311	B	Consumer	7.51Y	125.2	0.00	0.76	0.34	0	2	1	89	0.00	0.0	5.635	0.000	2	1	1	1
590403	PL.14034	B	Consumer	7.51Y	125.2	0.00	0.75	0.39	0	3	1	95	0.00	0.0	5.585	0.000	3	1	1	1
590401	PL.14034	B	Consumer	7.51Y	125.2	0.00	0.75	0.11	0	1	0	100	0.00	0.0	5.585	0.000	1	0	1	1
590411	PL.14034	B	Consumer	7.51Y	125.2	0.00	0.75	0.21	0	1	1	71	0.00	0.0	5.585	0.000	1	1	1	1
590409	PL.7566	B	Consumer	7.52Y	125.3	0.00	0.75	0.31	0	2	1	89	0.00	0.0	5.535	0.000	2	1	1	1
590402	PL.7566	B	Consumer	7.52Y	125.3	0.00	0.75	0.09	0	1	0	100	0.00	0.0	5.535	0.000	1	0	1	1
085811	PL.14036	B	Consumer	7.52Y	125.3	0.00	0.73	0.15	0	1	1	71	0.00	0.0	5.427	0.000	1	1	1	1
590407	PL.14032	B	Consumer	7.52Y	125.3	0.00	0.70	0.01	0	0	0	100	0.00	0.0	5.326	0.000	0	0	1	1
590404	PL.14032	B	Consumer	7.52Y	125.3	0.00	0.70	0.05	0	0	0	100	0.00	0.0	5.326	0.000	0	0	1	1
591301	PL.26855	B	Consumer	7.52Y	125.4	0.00	0.64	0.24	0	2	1	89	0.00	0.0	5.114	0.000	2	1	1	1
591304	PL.26855	B	Consumer	7.52Y	125.4	0.00	0.64	0.21	0	1	1	71	0.00	0.0	5.114	0.000	1	1	1	1
592301	PL.14030	C	Consumer	7.55Y	125.9	0.00	0.14	0.16	0	1	1	71	0.00	0.0	4.932	0.000	1	1	1	1
PL.2900	PL.14029	B	4ACSR	7.55Y	125.8	0.00	0.24	0.39	0	3	1	95	0.00	0.0	4.870	0.019	0	0	0	1
591202	PL.2900	B	Consumer	7.55Y	125.8	0.00	0.24	0.39	0	3	1	95	0.00	0.0	4.870	0.000	3	1	1	1
590101	PL.25097	B	Consumer	7.18Y	119.6	0.00	6.40	0.00	0	0	0	100	0.00	0.0	4.665	0.000	0	0	0	0
085805	PL.14028	B	Consumer	7.19Y	119.8	0.00	6.16	0.05	0	0	0	100	0.00	0.0	4.586	0.000	0	0	1	1
PL.26852	PL.14026	B	4ACSR	7.22Y	120.3	0.00	5.73	0.15	0	1	1	71	0.00	0.0	4.463	0.011	0	0	0	2
PD.2053	PL.26852	B	fuse6AMP	7.22Y	120.3	0.00	5.73	0.15	3	1	1	71	0.00	0.0	4.463	0.000	0	0	0	2
PL.26853	PD.2053	B	4ACSR	7.22Y	120.3	0.00	5.73	0.15	0	1	1	71	0.00	0.0	4.573	0.110	0	0	0	2
085714	PL.26853	B	Consumer	7.22Y	120.3	0.00	5.73	0.00	0	0	0	100	0.00	0.0	4.573	0.000	0	0	1	1
085705	PL.26853	B	Consumer	7.22Y	120.3	0.00	5.73	0.15	0	1	1	71	0.00	0.0	4.573	0.000	1	1	1	1
568501	PL.7515	A	Consumer	7.43Y	123.8	0.00	2.24	0.03	0	0	0	100	0.00	0.0	3.257	0.000	0	0	1	1
567501	PL.7515	B	Consumer	7.29Y	121.4	0.00	4.58	0.00	0	0	0	100	0.00	0.0	3.257	0.000	0	0	0	0
567503	PL.7515	B	Consumer	7.29Y	121.4	0.00	4.58	0.36	0	2	1	89	0.00	0.0	3.257	0.000	2	1	1	1
568401	PL.26609	B	Consumer	7.29Y	121.5	0.00	4.55	0.08	0	1	0	100	0.00	0.0	3.223	0.000	1	0	1	1
567403	PL.26609	B	Consumer	7.29Y	121.5	0.00	4.55	0.25	0	2	1	89	0.00	0.0	3.223	0.000	2	1	1	1
567504	PL.26609	B	Consumer	7.29Y	121.5	0.00	4.55	0.10	0	1	0	100	0.00	0.0	3.223	0.000	1	0	1	1

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

Unbalanced Voltage Drop Report
Source: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
568402	PL.26609	B	Consumer	7.29Y	121.5	0.00	4.55	0.00	0	0	0	100	0.00	0.0	3.223	0.000	0	0	0	0
PL.20403	PL.8343	C	4ACSR	7.49Y	124.8	0.00	1.22	15.58	8	101	58	87	0.00	0.0	3.097	0.005	0	0	0	58
PD.3719	PL.20403	C	35V4E	7.49Y	124.8	0.00	1.22	15.58	45	101	58	87	0.00	0.0	3.097	0.000	0	0	0	58
PL.20404	PD.3719	C	4ACSR	7.48Y	124.7	0.11	1.32	15.58	8	101	58	87	0.08	0.1	3.242	0.145	0	0	0	58
PL.20058	PL.20404	C	4ACSR	7.48Y	124.6	0.05	1.38	15.38	8	100	57	87	0.04	0.0	3.318	0.075	0	0	0	57
566601	PL.20058	C	Consumer	7.48Y	124.6	0.00	1.38	0.16	0	1	1	71	0.00	0.0	3.318	0.000	1	1	1	1
566602	PL.20058	C	Consumer	7.48Y	124.6	0.00	1.38	0.48	0	3	2	83	0.00	0.0	3.318	0.000	3	2	1	1
566603	PL.20058	C	Consumer	7.48Y	124.6	0.00	1.38	0.13	0	1	0	100	0.00	0.0	3.318	0.000	1	0	1	1
567601	PL.20058	C	Consumer	7.48Y	124.6	0.00	1.38	0.22	0	1	1	71	0.00	0.0	3.318	0.000	1	1	1	1
567607	PL.20058	C	Consumer	7.48Y	124.6	0.00	1.38	0.00	0	0	0	100	0.00	0.0	3.318	0.000	0	0	0	0
PL.26610	PL.20058	C	4ACSR	7.48Y	124.6	0.04	1.41	14.39	7	94	53	87	0.03	0.0	3.371	0.053	0	0	0	53
PL.39788	PL.26610	C	4ACSR	7.47Y	124.6	0.02	1.44	12.90	7	84	48	87	0.02	0.0	3.411	0.040	0	0	0	46
PL.39790	PL.39788	C	2ACSR	7.47Y	124.6	0.00	1.44	0.26	0	2	1	89	0.00	0.0	3.416	0.005	0	0	0	1
PD.7104	PL.39790	C	fuse6AMP	7.47Y	124.6	0.00	1.44	0.26	5	2	1	89	0.00	0.0	3.416	0.000	0	0	0	1
PL.39791	PD.7104	C	2ACSR	7.47Y	124.6	0.00	1.44	0.26	0	2	1	89	0.00	0.0	3.545	0.129	0	0	0	1
5667001	PL.39791	C	Consumer	7.47Y	124.6	0.00	1.44	0.26	0	2	1	89	0.00	0.0	3.545	0.000	2	1	1	1
PL.39789	PL.39788	C	4ACSR	7.47Y	124.5	0.02	1.45	12.63	7	82	47	87	0.01	0.0	3.438	0.027	0	0	0	45
PL.7511	PL.39789	C	4ACSR	7.47Y	124.5	0.00	1.46	12.03	6	78	45	87	0.00	0.0	3.444	0.005	0	0	0	41
PL.7512	PL.7511	C	4ACSR	7.47Y	124.5	0.03	1.49	8.71	4	57	32	87	0.01	0.0	3.519	0.076	0	0	0	36
567712	PL.7512	C	Consumer	7.47Y	124.5	0.00	1.49	0.00	0	0	0	100	0.00	0.0	3.519	0.000	0	0	1	1
567708	PL.7512	C	Consumer	7.47Y	124.5	0.00	1.49	0.00	0	0	0	100	0.00	0.0	3.519	0.000	0	0	0	0
567703	PL.7512	C	Consumer	7.47Y	124.5	0.00	1.49	0.00	0	0	0	100	0.00	0.0	3.519	0.000	0	0	0	0
567716	PL.7512	C	Consumer	7.47Y	124.5	0.00	1.49	0.61	0	4	2	89	0.00	0.0	3.519	0.000	4	2	1	1
567709	PL.7512	C	Consumer	7.47Y	124.5	0.00	1.49	0.22	0	1	1	71	0.00	0.0	3.519	0.000	1	1	1	1
567719	PL.7512	C	Consumer	7.47Y	124.5	0.00	1.49	0.00	0	0	0	100	0.00	0.0	3.519	0.000	0	0	0	0
567707	PL.7512	C	Consumer	7.47Y	124.5	0.00	1.49	0.00	0	0	0	100	0.00	0.0	3.519	0.000	0	0	0	0
567711	PL.7512	C	Consumer	7.47Y	124.5	0.00	1.49	0.41	0	3	1	95	0.00	0.0	3.519	0.000	3	1	1	1
567721	PL.7512	C	Consumer	7.47Y	124.5	0.00	1.49	0.65	0	4	2	89	0.00	0.0	3.519	0.000	4	2	1	1
PL.7517	PL.7512	C	4ACSR	7.47Y	124.5	0.02	1.51	6.82	4	44	25	87	0.01	0.0	3.580	0.061	0	0	0	31
PL.7518	PL.7517	C	4ACSR	7.47Y	124.5	0.04	1.55	6.10	3	40	23	87	0.01	0.0	3.728	0.148	0	0	0	27
567905	PL.7518	C	Consumer	7.47Y	124.5	0.00	1.55	0.00	0	0	0	100	0.00	0.0	3.728	0.000	0	0	0	0
567907	PL.7518	C	Consumer	7.47Y	124.5	0.00	1.55	0.17	0	1	1	71	0.00	0.0	3.728	0.000	1	1	1	1
567908	PL.7518	C	Consumer	7.47Y	124.5	0.00	1.55	0.07	0	0	0	100	0.00	0.0	3.728	0.000	0	0	1	1
PL.7513	PL.7518	C	4ACSR	7.46Y	124.4	0.05	1.60	5.85	3	38	22	87	0.02	0.0	3.916	0.188	0	0	0	25
PL.18207	PL.7513	C	4ACSR	7.46Y	124.4	0.00	1.60	4.28	2	28	16	87	0.00	0.0	3.927	0.011	0	0	0	20
PD.28-A	PL.18207	C	Closed	7.46Y	124.4	0.00	1.60	4.28	0	28	16	87	0.00	0.0	3.927	0.000	0	0	0	20
PD.28-B	PD.28-A	C	Closed	7.46Y	124.4	0.00	1.60	4.28	0	28	16	87	0.00	0.0	3.927	0.000	0	0	0	20
PL.18208	PD.28-B	C	4ACSR	7.46Y	124.4	0.00	1.60	4.28	2	28	16	87	0.00	0.0	3.944	0.017	0	0	0	20

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: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
084802	PL.18208	C	Consumer	7.46Y	124.4	0.00	1.60	0.32	0	2	1	89	0.00	0.0	3.944	0.000	2	1	1	1
084846	PL.18208	C	Consumer	7.46Y	124.4	0.00	1.60	0.17	0	1	1	71	0.00	0.0	3.944	0.000	1	1	1	1
PL.8313	PL.18208	C	4ACSR	7.46Y	124.4	0.02	1.62	3.79	2	24	14	86	0.00	0.0	4.047	0.103	0	0	0	18
PL.19874	PL.8313	C	4ACSR	7.46Y	124.3	0.03	1.65	3.79	2	24	14	86	0.01	0.0	4.225	0.178	0	0	0	18
PL.19875	PL.19874	C	4ACSR	7.46Y	124.3	0.00	1.66	3.78	2	24	14	86	0.00	0.0	4.249	0.024	0	0	0	17
PL.26613	PL.19875	C	4ACSR	7.46Y	124.3	0.00	1.66	3.53	2	23	13	87	0.00	0.0	4.270	0.021	0	0	0	16
PL.19643	PL.26613	C	4ACSR	7.46Y	124.3	0.01	1.68	3.32	2	21	12	87	0.00	0.0	4.365	0.095	0	0	0	15
PL.19644	PL.19643	C	4ACSR	7.46Y	124.3	0.00	1.68	3.32	2	21	12	87	0.00	0.0	4.391	0.027	0	0	0	15
PL.26614	PL.19644	C	4ACSR	7.46Y	124.3	0.01	1.69	3.32	2	21	12	87	0.00	0.0	4.473	0.081	0	0	0	15
PL.26615	PL.26614	C	4ACSR	7.46Y	124.3	0.02	1.71	3.11	2	20	12	86	0.00	0.0	4.597	0.124	0	0	0	14
PL.26616	PL.26615	C	4ACSR	7.46Y	124.3	0.00	1.71	3.11	2	20	12	86	0.00	0.0	4.619	0.023	0	0	0	14
PL.26617	PL.26616	C	4ACSR	7.46Y	124.3	0.01	1.72	3.11	2	20	12	86	0.00	0.0	4.688	0.069	0	0	0	13
084806	PL.26617	C	Consumer	7.46Y	124.3	0.00	1.72	0.16	0	1	1	71	0.00	0.0	4.688	0.000	1	1	1	1
084821	PL.26617	C	Consumer	7.46Y	124.3	0.00	1.72	0.23	0	1	1	71	0.00	0.0	4.688	0.000	1	1	1	1
084844	PL.26617	C	Consumer	7.46Y	124.3	0.00	1.72	0.07	0	0	0	100	0.00	0.0	4.688	0.000	0	0	1	1
084832	PL.26617	C	Consumer	7.46Y	124.3	0.00	1.72	0.38	0	2	1	89	0.00	0.0	4.688	0.000	2	1	1	1
084823	PL.26617	C	Consumer	7.46Y	124.3	0.00	1.72	0.00	0	0	0	100	0.00	0.0	4.688	0.000	0	0	0	0
PL.8310	PL.26617	C	4ACSR	7.46Y	124.3	0.01	1.73	2.27	1	15	8	88	0.00	0.0	4.773	0.085	0	0	0	9
084852	PL.8310	C	Consumer	7.46Y	124.3	0.00	1.73	0.08	0	1	0	100	0.00	0.0	4.773	0.000	1	0	1	1
084833	PL.8310	C	Consumer	7.46Y	124.3	0.00	1.73	0.17	0	1	1	71	0.00	0.0	4.773	0.000	1	1	1	1
084840	PL.8310	C	Consumer	7.46Y	124.3	0.00	1.73	0.17	0	1	1	71	0.00	0.0	4.773	0.000	1	1	1	1
084838	PL.8310	C	Consumer	7.46Y	124.3	0.00	1.73	0.00	0	0	0	100	0.00	0.0	4.773	0.000	0	0	0	0
PL.39664	PL.8310	C	4ACSR	7.46Y	124.3	0.00	1.74	1.84	1	12	7	86	0.00	0.0	4.794	0.021	0	0	0	6
PL.39665	PL.39664	C	4ACSR	7.46Y	124.3	0.01	1.74	1.83	1	12	7	86	0.00	0.0	4.863	0.069	0	0	0	5
084847	PL.39665	C	Consumer	7.46Y	124.3	0.00	1.74	0.00	0	0	0	100	0.00	0.0	4.863	0.000	0	0	0	0
084845	PL.39665	C	Consumer	7.46Y	124.3	0.00	1.74	0.83	0	5	3	86	0.00	0.0	4.863	0.000	5	3	1	1
084839	PL.39665	C	Consumer	7.46Y	124.3	0.00	1.74	0.08	0	1	0	100	0.00	0.0	4.863	0.000	1	0	1	1
084828	PL.39665	C	Consumer	7.46Y	124.3	0.00	1.74	0.00	0	0	0	100	0.00	0.0	4.863	0.000	0	0	0	0
PL.26619	PL.39665	C	4ACSR	7.46Y	124.3	0.00	1.74	0.31	0	2	1	89	0.00	0.0	4.962	0.099	0	0	0	2
084829	PL.26619	C	Consumer	7.46Y	124.3	0.00	1.74	0.00	0	0	0	100	0.00	0.0	4.962	0.000	0	0	0	0
084848	PL.26619	C	Consumer	7.46Y	124.3	0.00	1.74	0.13	0	1	1	71	0.00	0.0	4.962	0.000	1	1	1	1
084842	PL.26619	C	Consumer	7.46Y	124.3	0.00	1.74	0.18	0	1	1	71	0.00	0.0	4.962	0.000	1	1	1	1
PL.38676	PL.39665	C	4ACSR	7.46Y	124.3	0.00	1.74	0.60	0	4	2	89	0.00	0.0	4.872	0.009	0	0	0	1
PL.38677	PL.38676	C	4ACSR	7.46Y	124.3	0.00	1.74	0.60	0	4	2	89	0.00	0.0	4.912	0.041	0	0	0	1
PL.24477	PL.38677	C	4ACSR	7.46Y	124.3	0.00	1.74	0.60	0	4	2	89	0.00	0.0	4.967	0.055	0	0	0	1
PL.24478	PL.24477	C	4ACSR	7.46Y	124.3	0.00	1.75	0.60	0	4	2	89	0.00	0.0	5.033	0.066	0	0	0	1
084849	PL.24478	C	Consumer	7.46Y	124.3	0.00	1.75	0.60	0	4	2	89	0.00	0.0	5.033	0.000	4	2	1	1
084824	PL.38677	C	Consumer	7.46Y	124.3	0.00	1.74	0.00	0	0	0	100	0.00	0.0	4.912	0.000	0	0	0	0

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

Unbalanced Voltage Drop Report
Source: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.39663	PL.39664	C	2ACSR	7.46Y	124.3	0.00	1.74	0.01	0	0	0	100	0.00	0.0	4.949	0.154	0	0	0	1
0848054	PL.39663	C	Consumer	7.46Y	124.3	0.00	1.74	0.01	0	0	0	100	0.00	0.0	4.949	0.000	0	0	1	1
PL.38671	PL.26616	C	4ACSR	7.46Y	124.3	0.00	1.71	0.00	0	0	0	100	0.00	0.0	4.624	0.005	0	0	0	1
PD.7059	PL.38671	C	fuse6AMP	7.46Y	124.3	0.00	1.71	0.00	0	0	0	100	0.00	0.0	4.624	0.000	0	0	0	1
PL.38674	PD.7059	C	4ACSR	7.46Y	124.3	0.00	1.71	0.00	0	0	0	100	0.00	0.0	4.627	0.002	0	0	0	1
PL.38675	PL.38674	C	4ACSR	7.46Y	124.3	0.00	1.71	0.00	0	0	0	100	0.00	0.0	4.654	0.027	0	0	0	0
PL.38673	PL.38674	C	4ACSR	7.46Y	124.3	0.00	1.71	0.00	0	0	0	100	0.00	0.0	4.658	0.031	0	0	0	1
084835	PL.38673	C	Consumer	7.46Y	124.3	0.00	1.71	0.00	0	0	0	100	0.00	0.0	4.658	0.000	0	0	1	1
PL.38669	PL.26614	C	4ACSR	7.46Y	124.3	0.00	1.69	0.22	0	1	1	71	0.00	0.0	4.478	0.005	0	0	0	1
PD.7058	PL.38669	C	fuse6AMP	7.46Y	124.3	0.00	1.69	0.22	4	1	1	71	0.00	0.0	4.478	0.000	0	0	0	1
PL.38670	PD.7058	C	4ACSR	7.46Y	124.3	0.00	1.69	0.22	0	1	1	71	0.00	0.0	4.504	0.026	0	0	0	1
084814	PL.38670	C	Consumer	7.46Y	124.3	0.00	1.69	0.22	0	1	1	71	0.00	0.0	4.504	0.000	1	1	1	1
084819	PL.26613	C	Consumer	7.46Y	124.3	0.00	1.66	0.21	0	1	1	71	0.00	0.0	4.270	0.000	1	1	1	1
PL.38667	PL.19875	C	4ACSR	7.46Y	124.3	0.00	1.66	0.25	0	2	1	89	0.00	0.0	4.255	0.006	0	0	0	1
PD.7057	PL.38667	C	fuse6AMP	7.46Y	124.3	0.00	1.66	0.25	4	2	1	89	0.00	0.0	4.255	0.000	0	0	0	1
PL.38668	PD.7057	C	4ACSR	7.46Y	124.3	0.00	1.66	0.25	0	2	1	89	0.00	0.0	4.317	0.062	0	0	0	1
085804	PL.38668	C	Consumer	7.46Y	124.3	0.00	1.66	0.25	0	2	1	89	0.00	0.0	4.317	0.000	2	1	1	1
084831	PL.19874	C	Consumer	7.46Y	124.3	0.00	1.65	0.01	0	0	0	100	0.00	0.0	4.225	0.000	0	0	1	1
PL.18210	PL.7513	C	4ACSR	7.46Y	124.4	0.00	1.60	1.58	1	10	6	86	0.00	0.0	3.932	0.016	0	0	0	5
PD.1165	PL.18210	C	fuse6AMP	7.46Y	124.4	0.00	1.60	1.58	27	10	6	86	0.00	0.0	3.932	0.000	0	0	0	5
PL.18209	PD.1165	C	4ACSR	7.46Y	124.4	0.00	1.60	1.58	1	10	6	86	0.00	0.0	3.973	0.041	0	0	0	5
PL.40448	PL.18209	C	4ACSR	7.46Y	124.4	0.00	1.60	1.21	1	8	4	89	0.00	0.0	3.989	0.016	0	0	0	4
568003	PL.40448	C	Consumer	7.46Y	124.4	0.00	1.60	0.00	0	0	0	100	0.00	0.0	3.989	0.000	0	0	0	0
568005	PL.40448	C	Consumer	7.46Y	124.4	0.00	1.60	0.34	0	2	1	89	0.00	0.0	3.989	0.000	2	1	1	1
PL.26612	PL.40448	C	4ACSR	7.46Y	124.4	0.00	1.61	0.86	0	6	3	89	0.00	0.0	4.019	0.030	0	0	0	3
PL.3557	PL.26612	C	4ACSR	7.46Y	124.4	0.00	1.61	0.39	0	2	1	89	0.00	0.0	4.035	0.016	0	0	0	2
568007	PL.3557	C	Consumer	7.46Y	124.4	0.00	1.61	0.30	0	2	1	89	0.00	0.0	4.035	0.000	2	1	1	1
568006	PL.3557	C	Consumer	7.46Y	124.4	0.00	1.61	0.09	0	1	0	100	0.00	0.0	4.035	0.000	1	0	1	1
PL.5066	PL.26612	C	4ACSR	7.46Y	124.4	0.00	1.61	0.48	0	3	2	83	0.00	0.0	4.178	0.159	0	0	0	1
PL.5068	PL.5066	C	4ACSR	7.46Y	124.4	0.00	1.61	0.48	0	3	2	83	0.00	0.0	4.233	0.055	0	0	0	1
PL.24474	PL.5068	C	4ACSR	7.46Y	124.4	0.00	1.61	0.48	0	3	2	83	0.00	0.0	4.293	0.060	0	0	0	1
084837	PL.24474	C	Consumer	7.46Y	124.4	0.00	1.61	0.00	0	0	0	100	0.00	0.0	4.293	0.000	0	0	0	0
PL.8314	PL.24474	C	4ACSR	7.46Y	124.4	0.00	1.61	0.48	0	3	2	83	0.00	0.0	4.368	0.075	0	0	0	1
084850	PL.8314	C	Consumer	7.46Y	124.4	0.00	1.61	0.00	0	0	0	100	0.00	0.0	4.368	0.000	0	0	0	0
PL.8315	PL.8314	C	4ACSR	7.46Y	124.4	0.00	1.62	0.48	0	3	2	83	0.00	0.0	4.464	0.096	0	0	0	1
PL.8316	PL.8315	C	4ACSR	7.46Y	124.4	0.00	1.62	0.48	0	3	2	83	0.00	0.0	4.604	0.140	0	0	0	1
PL.24480	PL.8316	C	4ACSR	7.46Y	124.4	0.00	1.62	0.48	0	3	2	83	0.00	0.0	4.679	0.075	0	0	0	1
084851	PL.24480	C	Consumer	7.46Y	124.4	0.00	1.62	0.48	0	3	2	83	0.00	0.0	4.679	0.000	3	2	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: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
084853	PL.8315	C	Consumer	7.46Y	124.4	0.00	1.62	0.00	0	0	0	100	0.00	0.0	4.464	0.000	0	0	0	0
084812	PL.5066	C	Consumer	7.46Y	124.4	0.00	1.61	0.00	0	0	0	100	0.00	0.0	4.178	0.000	0	0	0	0
PL.24479	PL.5066	C	4ACSR	7.46Y	124.4	0.00	1.61	0.00	0	0	0	100	0.00	0.0	4.304	0.126	0	0	0	0
PL.40446	PL.18209	C	2ACSR	7.46Y	124.4	0.00	1.60	0.37	0	2	1	89	0.00	0.0	4.024	0.051	0	0	0	1
5680008	PL.40446	C	Consumer	7.46Y	124.4	0.00	1.60	0.37	0	2	1	89	0.00	0.0	4.024	0.000	2	1	1	1
566803	PL.7517	C	Consumer	7.47Y	124.5	0.00	1.51	0.00	0	0	0	100	0.00	0.0	3.580	0.000	0	0	0	0
567802	PL.7517	C	Consumer	7.47Y	124.5	0.00	1.51	0.24	0	2	1	89	0.00	0.0	3.580	0.000	2	1	1	1
567901	PL.7517	C	Consumer	7.47Y	124.5	0.00	1.51	0.06	0	0	0	100	0.00	0.0	3.580	0.000	0	0	1	1
566801	PL.7517	C	Consumer	7.47Y	124.5	0.00	1.51	0.31	0	2	1	89	0.00	0.0	3.580	0.000	2	1	1	1
567804	PL.7517	C	Consumer	7.47Y	124.5	0.00	1.51	0.11	0	1	0	100	0.00	0.0	3.580	0.000	1	0	1	1
567805	PL.7517	C	Consumer	7.47Y	124.5	0.00	1.51	0.00	0	0	0	100	0.00	0.0	3.580	0.000	0	0	0	0
PL.3558	PL.7511	C	4ACSR	7.47Y	124.5	0.01	1.47	3.32	2	21	12	87	0.00	0.0	3.513	0.070	0	0	0	5
PL.33775	PL.3558	C	2ACSR	7.47Y	124.5	0.00	1.47	1.03	0	7	4	87	0.00	0.0	3.549	0.035	0	0	0	1
5687010	PL.33775	C	Consumer	7.47Y	124.5	0.00	1.47	1.03	0	7	4	87	0.00	0.0	3.549	0.000	7	4	1	1
568707	PL.3558	C	Consumer	7.47Y	124.5	0.00	1.47	0.00	0	0	0	100	0.00	0.0	3.513	0.000	0	0	0	0
568705	PL.3558	C	Consumer	7.47Y	124.5	0.00	1.47	0.26	0	2	1	89	0.00	0.0	3.513	0.000	2	1	1	1
568704	PL.3558	C	Consumer	7.47Y	124.5	0.00	1.47	0.00	0	0	0	100	0.00	0.0	3.513	0.000	0	0	0	0
568708	PL.3558	C	Consumer	7.47Y	124.5	0.00	1.47	0.66	0	4	2	89	0.00	0.0	3.513	0.000	4	2	1	1
568706	PL.3558	C	Consumer	7.47Y	124.5	0.00	1.47	0.00	0	0	0	100	0.00	0.0	3.513	0.000	0	0	0	0
PL.3544	PL.3558	C	4ACSR	7.47Y	124.5	0.00	1.47	1.37	1	9	5	87	0.00	0.0	3.585	0.072	0	0	0	2
568801	PL.3544	C	Consumer	7.47Y	124.5	0.00	1.47	0.60	0	4	2	89	0.00	0.0	3.585	0.000	4	2	1	1
568709	PL.3544	C	Consumer	7.47Y	124.5	0.00	1.47	0.77	0	5	3	86	0.00	0.0	3.585	0.000	5	3	1	1
567714	PL.39789	C	Consumer	7.47Y	124.5	0.00	1.45	0.00	0	0	0	100	0.00	0.0	3.438	0.000	0	0	0	0
567720	PL.39789	C	Consumer	7.47Y	124.5	0.00	1.45	0.37	0	2	1	89	0.00	0.0	3.438	0.000	2	1	1	1
567717	PL.39789	C	Consumer	7.47Y	124.5	0.00	1.45	0.04	0	0	0	100	0.00	0.0	3.438	0.000	0	0	1	1
567718	PL.39789	C	Consumer	7.47Y	124.5	0.00	1.45	0.10	0	1	0	100	0.00	0.0	3.438	0.000	1	0	1	1
567701	PL.39789	C	Consumer	7.47Y	124.5	0.00	1.45	0.00	0	0	0	100	0.00	0.0	3.438	0.000	0	0	0	0
567702	PL.39789	C	Consumer	7.47Y	124.5	0.00	1.45	0.09	0	1	0	100	0.00	0.0	3.438	0.000	1	0	1	1
567605	PL.26610	C	Consumer	7.48Y	124.6	0.00	1.41	0.00	0	0	0	100	0.00	0.0	3.371	0.000	0	0	0	0
567611	PL.26610	C	Consumer	7.48Y	124.6	0.00	1.41	0.31	0	2	1	89	0.00	0.0	3.371	0.000	2	1	1	1
567603	PL.26610	C	Consumer	7.48Y	124.6	0.00	1.41	0.00	0	0	0	100	0.00	0.0	3.371	0.000	0	0	0	0
PL.38665	PL.26610	C	4ACSR	7.48Y	124.6	0.00	1.41	1.19	1	8	4	89	0.00	0.0	3.378	0.007	0	0	0	6
PD.7056	PL.38665	C	fuse6AMP	7.48Y	124.6	0.00	1.41	1.19	20	8	4	89	0.00	0.0	3.378	0.000	0	0	0	6
PL.38666	PD.7056	C	4ACSR	7.48Y	124.6	0.00	1.42	1.19	1	8	4	89	0.00	0.0	3.439	0.061	0	0	0	6
568609	PL.38666	C	Consumer	7.48Y	124.6	0.00	1.42	0.00	0	0	0	100	0.00	0.0	3.439	0.000	0	0	0	0
567610	PL.38666	C	Consumer	7.48Y	124.6	0.00	1.42	0.19	0	1	1	71	0.00	0.0	3.439	0.000	1	1	1	1
567612	PL.38666	C	Consumer	7.48Y	124.6	0.00	1.42	0.01	0	0	0	100	0.00	0.0	3.439	0.000	0	0	1	1
568606	PL.38666	C	Consumer	7.48Y	124.6	0.00	1.42	0.29	0	2	1	89	0.00	0.0	3.439	0.000	2	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: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
568607	PL.38666	C	Consumer	7.48Y	124.6	0.00	1.42	0.00	0	0	0	100	0.00	0.0	3.439	0.000	0	0	0	0
568608	PL.38666	C	Consumer	7.48Y	124.6	0.00	1.42	0.50	0	3	2	83	0.00	0.0	3.439	0.000	3	2	1	1
568610	PL.38666	C	Consumer	7.48Y	124.6	0.00	1.42	0.16	0	1	1	71	0.00	0.0	3.439	0.000	1	1	1	1
567602	PL.38666	C	Consumer	7.48Y	124.6	0.00	1.42	0.03	0	0	0	100	0.00	0.0	3.439	0.000	0	0	1	1
567502	PL.20404	C	Consumer	7.48Y	124.7	0.00	1.32	0.20	0	1	1	71	0.00	0.0	3.242	0.000	1	1	1	1
565403	PL.20607	A	Consumer	7.44Y	124.0	0.00	2.04	0.57	0	4	2	89	0.00	0.0	2.971	0.000	4	2	0	0
		B		7.31Y	121.8	0.00	4.19	0.58	0	4	2	90					4	2	0	0
		C		7.49Y	124.9	0.00	1.14	0.56	0	4	2	90					4	2	0	0
565402	PL.26607	B	Consumer	7.31Y	121.9	0.00	4.08	0.03	0	0	0	100	0.00	0.0	2.909	0.000	0	0	1	1
PL.15986	PL.26607	B	4ACSR	7.31Y	121.9	0.00	4.09	1.80	1	11	7	84	0.00	0.0	2.914	0.005	0	0	0	5
PD.2831	PL.15986	B	fuse6AMP	7.31Y	121.9	0.00	4.09	1.80	31	11	7	84	0.00	0.0	2.914	0.000	0	0	0	5
PL.15987	PD.2831	B	4ACSR	7.31Y	121.9	0.01	4.09	1.80	1	11	7	84	0.00	0.0	3.010	0.097	0	0	0	5
PL.3550	PL.15987	B	4ACSR	7.31Y	121.9	0.00	4.10	1.80	1	11	7	84	0.00	0.0	3.052	0.042	0	0	0	5
PL.15984	PL.3550	B	4ACSR	7.31Y	121.9	0.00	4.10	0.16	0	1	1	71	0.00	0.0	3.056	0.003	0	0	0	1
PD.192-A	PL.15984	B	Closed	7.31Y	121.9	0.00	4.10	0.16	0	1	1	71	0.00	0.0	3.056	0.000	0	0	0	1
PD.192-B	PD.192-A	B	Closed	7.31Y	121.9	0.00	4.10	0.16	0	1	1	71	0.00	0.0	3.056	0.000	0	0	0	1
PL.15985	PD.192-B	B	4ACSR	7.31Y	121.9	0.00	4.10	0.16	0	1	1	71	0.00	0.0	3.076	0.020	0	0	0	1
564401	PL.15985	B	Consumer	7.31Y	121.9	0.00	4.10	0.16	0	1	1	71	0.00	0.0	3.076	0.000	1	1	1	1
PL.3549	PL.3550	B	4ACSR	7.31Y	121.9	0.01	4.10	1.64	1	10	6	86	0.00	0.0	3.149	0.097	0	0	0	4
PL.3554	PL.3549	B	4ACSR	7.31Y	121.9	0.00	4.11	1.15	1	7	4	87	0.00	0.0	3.227	0.077	0	0	0	2
563402	PL.3554	B	Consumer	7.31Y	121.9	0.00	4.11	0.62	0	4	2	89	0.00	0.0	3.227	0.000	4	2	1	1
PL.3553	PL.3554	B	4ACSR	7.31Y	121.9	0.00	4.11	0.53	0	3	2	83	0.00	0.0	3.277	0.050	0	0	0	1
PL.3555	PL.3553	B	4ACSR	7.31Y	121.9	0.00	4.11	0.53	0	3	2	83	0.00	0.0	3.293	0.016	0	0	0	1
562401	PL.3555	B	Consumer	7.31Y	121.9	0.00	4.11	0.00	0	0	0	100	0.00	0.0	3.293	0.000	0	0	0	0
PL.3551	PL.3555	B	4ACSR	7.31Y	121.9	0.00	4.11	0.53	0	3	2	83	0.00	0.0	3.459	0.166	0	0	0	1
561202	PL.3551	B	Consumer	7.31Y	121.9	0.00	4.11	0.53	0	3	2	83	0.00	0.0	3.459	0.000	3	2	1	1
PL.3552	PL.3549	B	4ACSR	7.31Y	121.9	0.00	4.11	0.49	0	3	2	83	0.00	0.0	3.206	0.057	0	0	0	2
563401	PL.3552	B	Consumer	7.31Y	121.9	0.00	4.11	0.24	0	2	1	89	0.00	0.0	3.206	0.000	2	1	1	1
563403	PL.3552	B	Consumer	7.31Y	121.9	0.00	4.11	0.25	0	2	1	89	0.00	0.0	3.206	0.000	2	1	1	1
PL.16361	PL.26606	B	4ACSR	7.32Y	121.9	0.00	4.05	0.53	0	3	2	83	0.00	0.0	2.893	0.004	0	0	0	1
PD.2834	PL.16361	B	fuse6AMP	7.32Y	121.9	0.00	4.05	0.53	9	3	2	83	0.00	0.0	2.893	0.000	0	0	0	1
PL.16150	PD.2834	B	4ACSR	7.32Y	121.9	0.00	4.05	0.53	0	3	2	83	0.00	0.0	2.953	0.060	0	0	0	1
PL.3548	PL.16150	B	4ACSR	7.32Y	121.9	0.00	4.05	0.53	0	3	2	83	0.00	0.0	3.027	0.074	0	0	0	1
PL.3547	PL.3548	B	4ACSR	7.32Y	121.9	0.00	4.06	0.53	0	3	2	83	0.00	0.0	3.091	0.064	0	0	0	1
564201	PL.3547	B	Consumer	7.32Y	121.9	0.00	4.06	0.53	0	3	2	83	0.00	0.0	3.091	0.000	3	2	1	1
562201	PL.19767	B	Consumer	7.35Y	122.5	0.00	3.49	0.26	0	2	1	89	0.00	0.0	2.572	0.000	2	1	1	1
562202	PL.19767	B	Consumer	7.35Y	122.5	0.00	3.49	0.00	0	0	0	100	0.00	0.0	2.572	0.000	0	0	0	0
PL.399	PL.8308	B	4ACSR	7.37Y	122.9	0.01	3.09	5.20	3	33	19	87	0.00	0.0	2.396	0.050	0	0	0	20
PL.18725	PL.399	B	4ACSR	7.37Y	122.9	0.00	3.09	5.20	3	33	19	87	0.00	0.0	2.402	0.006	0	0	0	20

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: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
	PD.3445	PL.18725	B	25V4E	7.37Y	122.9	0.00	3.09	5.20	21	33	19	87	0.00	0.0	2.402	0.000	0	0	0	20	
	PL.18726	PD.3445	B	4ACSR	7.37Y	122.9	0.01	3.10	5.20	3	33	19	87	0.00	0.0	2.437	0.035	0	0	0	20	
	PL.26590	PL.18726	B	4ACSR	7.37Y	122.9	0.02	3.12	5.20	3	33	19	87	0.00	0.0	2.503	0.066	0	0	0	20	
C	PD.3819	PL.26590	B	fuse6AMP	7.37Y	122.9	0.00	3.12	5.20	89	33	19	87	0.00	0.0	2.503	0.000	0	0	0	20	C
	PL.26599	PD.3819	B	4ACSR	7.37Y	122.9	0.01	3.13	5.07	3	32	19	86	0.00	0.0	2.565	0.062	0	0	0	19	
	PL.26600	PL.26599	B	4ACSR	7.37Y	122.9	0.00	3.14	3.85	2	25	14	87	0.00	0.0	2.591	0.026	0	0	0	14	
	083628	PL.26600	B	Consumer	7.37Y	122.9	0.00	3.14	0.45	0	3	2	83	0.00	0.0	2.591	0.000	3	2	1	1	
	PL.8309	PL.26600	B	4ACSR	7.37Y	122.9	0.01	3.14	3.40	2	22	13	86	0.00	0.0	2.629	0.037	0	0	0	13	
	083624	PL.8309	B	Consumer	7.37Y	122.9	0.00	3.14	0.44	0	3	2	83	0.00	0.0	2.629	0.000	3	2	1	1	
	083615	PL.8309	B	Consumer	7.37Y	122.9	0.00	3.14	0.25	0	2	1	89	0.00	0.0	2.629	0.000	2	1	1	1	
	PL.8306	PL.8309	B	4ACSR	7.37Y	122.8	0.02	3.16	2.71	1	17	10	86	0.00	0.0	2.793	0.164	0	0	0	11	
	PL.8307	PL.8306	B	4ACSR	7.37Y	122.8	0.01	3.17	2.55	1	16	9	87	0.00	0.0	2.847	0.054	0	0	0	10	
	PD.25-A	PL.8307	B	Closed	7.37Y	122.8	0.00	3.17	2.55	0	16	9	87	0.00	0.0	2.847	0.000	0	0	0	10	
	PD.25-B	PD.25-A	B	Closed	7.37Y	122.8	0.00	3.17	2.55	0	16	9	87	0.00	0.0	2.847	0.000	0	0	0	10	
	PL.40322	PD.25-B	B	4ACSR	7.37Y	122.8	0.01	3.17	2.55	1	16	9	87	0.00	0.0	2.899	0.053	0	0	0	10	
	PL.40321	PL.40322	B	4ACSR	7.37Y	122.8	0.01	3.18	2.40	1	15	9	86	0.00	0.0	2.980	0.080	0	0	0	9	
	PD.3820	PL.40321	B	fuse6AMP	7.37Y	122.8	0.00	3.18	2.40	41	15	9	86	0.00	0.0	2.980	0.000	0	0	0	9	
	PL.26592	PD.3820	B	4ACSR	7.37Y	122.8	0.00	3.18	0.00	0	0	0	100	0.00	0.0	2.995	0.016	0	0	0	0	
	PL.5051	PL.26592	B	4ACSR	7.37Y	122.8	0.00	3.18	0.00	0	0	0	100	0.00	0.0	3.025	0.030	0	0	0	0	
	083725	PL.5051	B	Consumer	7.37Y	122.8	0.00	3.18	0.00	0	0	0	100	0.00	0.0	3.025	0.000	0	0	0	0	
	083723	PL.5051	B	Consumer	7.37Y	122.8	0.00	3.18	0.00	0	0	0	100	0.00	0.0	3.025	0.000	0	0	0	0	
	PL.26591	PD.3820	B	4ACSR	7.37Y	122.8	0.00	3.19	2.40	1	15	9	86	0.00	0.0	3.003	0.023	0	0	0	9	
	PL.5053	PL.26591	B	4ACSR	7.37Y	122.8	0.01	3.19	2.40	1	15	9	86	0.00	0.0	3.070	0.067	0	0	0	9	
	0837034	PL.5053	B	Consumer	7.37Y	122.8	0.00	3.19	0.00	0	0	0	100	0.00	0.0	3.070	0.000	0	0	0	0	
	PL.5052	PL.5053	B	4ACSR	7.37Y	122.8	0.01	3.20	2.40	1	15	9	86	0.00	0.0	3.119	0.048	0	0	0	9	
	PL.26593	PL.5052	B	4ACSR	7.37Y	122.8	0.00	3.20	0.40	0	3	1	95	0.00	0.0	3.156	0.038	0	0	0	4	
	PL.27744	PL.26593	B	4ACSR	7.37Y	122.8	0.00	3.20	0.25	0	2	1	89	0.00	0.0	3.269	0.113	0	0	0	3	
	PD.1164	PL.27744	B	fuse6AMP	7.37Y	122.8	0.00	3.20	0.25	4	2	1	89	0.00	0.0	3.269	0.000	0	0	0	3	
	PL.27743	PD.1164	B	4ACSR	7.37Y	122.8	0.00	3.20	0.25	0	2	1	89	0.00	0.0	3.283	0.013	0	0	0	3	
	PL.5056	PL.27743	B	4ACSR	7.37Y	122.8	0.00	3.20	0.22	0	1	1	71	0.00	0.0	3.412	0.129	0	0	0	2	
	083731	PL.5056	B	Consumer	7.37Y	122.8	0.00	3.20	0.18	0	1	1	71	0.00	0.0	3.412	0.000	1	1	1	1	
	083721	PL.5056	B	Consumer	7.37Y	122.8	0.00	3.20	0.05	0	0	0	100	0.00	0.0	3.412	0.000	0	0	1	1	
	PL.26604	PL.27743	B	4ACSR	7.37Y	122.8	0.00	3.20	0.02	0	0	0	100	0.00	0.0	3.441	0.158	0	0	0	1	
	PD.3821	PL.26604	B	fuse6AMP	7.37Y	122.8	0.00	3.20	0.02	0	0	0	100	0.00	0.0	3.441	0.000	0	0	0	1	
	PL.26603	PD.3821	B	4ACSR	7.37Y	122.8	0.00	3.20	0.00	0	0	0	100	0.00	0.0	3.700	0.259	0	0	0	0	
	PL.26589	PL.26603	B	4ACSR	7.37Y	122.8	0.00	3.20	0.00	0	0	0	100	0.00	0.0	3.725	0.025	0	0	0	0	
	PD.21-B	PL.26589	B	Open	7.37Y	122.8	0.00	3.20	0.00	0	0	0	100	0.00	0.0	3.725	0.000	0	0	0	0	
	PL.5057	PD.3821	B	4ACSR	7.37Y	122.8	0.00	3.20	0.02	0	0	0	100	0.00	0.0	3.545	0.104	0	0	0	1	

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

Unbalanced Voltage Drop Report
Source: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
083708	PL.5057	B	Consumer	7.37Y	122.8	0.00	3.20	0.02	0	0	0	100	0.00	0.0	3.545	0.000	0	0	1	1
083710	PL.26593	B	Consumer	7.37Y	122.8	0.00	3.20	0.15	0	1	1	71	0.00	0.0	3.156	0.000	1	1	1	1
PL.20425	PL.5052	B	4ACSR	7.37Y	122.8	0.00	3.20	2.00	1	13	7	88	0.00	0.0	3.130	0.011	0	0	0	5
PD.1162	PL.20425	B	fuse6AMP	7.37Y	122.8	0.00	3.20	2.00	34	13	7	88	0.00	0.0	3.130	0.000	0	0	0	5
PL.20426	PD.1162	B	4ACSR	7.37Y	122.8	0.01	3.21	2.00	1	13	7	88	0.00	0.0	3.216	0.086	0	0	0	5
PL.26601	PL.20426	B	4ACSR	7.37Y	122.8	0.00	3.21	0.48	0	3	2	83	0.00	0.0	3.266	0.050	0	0	0	2
083724	PL.26601	B	Consumer	7.37Y	122.8	0.00	3.21	0.22	0	1	1	71	0.00	0.0	3.266	0.000	1	1	1	1
PL.26602	PL.26601	B	4ACSR	7.37Y	122.8	0.01	3.21	0.27	0	2	1	89	0.00	0.0	3.715	0.448	0	0	0	1
083712	PL.26602	B	Consumer	7.37Y	122.8	0.00	3.21	0.27	0	2	1	89	0.00	0.0	3.715	0.000	2	1	1	1
PL.5059	PL.20426	B	4ACSR	7.37Y	122.8	0.00	3.21	0.91	0	6	3	89	0.00	0.0	3.258	0.042	0	0	0	1
083727	PL.5059	B	Consumer	7.37Y	122.8	0.00	3.21	0.91	0	6	3	89	0.00	0.0	3.258	0.000	6	3	1	1
083728	PL.5059	B	Consumer	7.37Y	122.8	0.00	3.21	0.00	0	0	0	100	0.00	0.0	3.258	0.000	0	0	0	0
083729	PL.20426	B	Consumer	7.37Y	122.8	0.00	3.21	0.32	0	2	1	89	0.00	0.0	3.216	0.000	2	1	1	1
083722	PL.20426	B	Consumer	7.37Y	122.8	0.00	3.21	0.29	0	2	1	89	0.00	0.0	3.216	0.000	2	1	1	1
0837032	PL.40322	B	Consumer	7.37Y	122.8	0.00	3.17	0.15	0	1	1	71	0.00	0.0	2.899	0.000	1	1	1	1
0837033	PL.40322	B	Consumer	7.37Y	122.8	0.00	3.17	0.00	0	0	0	100	0.00	0.0	2.899	0.000	0	0	0	0
083714	PL.8306	B	Consumer	7.37Y	122.8	0.00	3.16	0.16	0	1	1	71	0.00	0.0	2.793	0.000	1	1	1	1
PL.5047	PL.26599	B	4ACSR	7.37Y	122.9	0.00	3.13	1.02	1	7	4	87	0.00	0.0	2.633	0.068	0	0	0	4
PL.5048	PL.5047	B	4ACSR	7.37Y	122.9	0.00	3.13	0.00	0	0	0	100	0.00	0.0	2.692	0.059	0	0	0	0
PL.5044	PL.5047	B	4ACSR	7.37Y	122.9	0.00	3.14	1.02	1	7	4	87	0.00	0.0	2.737	0.104	0	0	0	4
PL.5045	PL.5044	B	4ACSR	7.37Y	122.9	0.00	3.14	0.66	0	4	2	89	0.00	0.0	2.764	0.027	0	0	0	2
083609	PL.5045	B	Consumer	7.37Y	122.9	0.00	3.14	0.48	0	3	2	83	0.00	0.0	2.764	0.000	3	2	1	1
083614	PL.5045	B	Consumer	7.37Y	122.9	0.00	3.14	0.17	0	1	1	71	0.00	0.0	2.764	0.000	1	1	1	1
PL.5046	PL.5044	B	4ACSR	7.37Y	122.9	0.00	3.14	0.36	0	2	1	89	0.00	0.0	2.777	0.040	0	0	0	2
083622	PL.5046	B	Consumer	7.37Y	122.9	0.00	3.14	0.02	0	0	0	100	0.00	0.0	2.777	0.000	0	0	1	1
083611	PL.5046	B	Consumer	7.37Y	122.9	0.00	3.14	0.35	0	2	1	89	0.00	0.0	2.777	0.000	2	1	1	1
083718	PL.26599	B	Consumer	7.37Y	122.9	0.00	3.13	0.20	0	1	1	71	0.00	0.0	2.565	0.000	1	1	1	1
PL.5049	PD.3819	B	4ACSR	7.37Y	122.9	0.00	3.12	0.12	0	1	0	100	0.00	0.0	2.549	0.046	0	0	0	1
083702	PL.5049	B	Consumer	7.37Y	122.9	0.00	3.12	0.12	0	1	0	100	0.00	0.0	2.549	0.000	1	0	1	1
084621	PL.8308	B	Consumer	7.38Y	122.9	0.00	3.08	0.16	0	1	1	71	0.00	0.0	2.346	0.000	1	1	1	1
084614	PL.8308	C	Consumer	7.51Y	125.2	0.00	0.76	0.00	0	0	0	100	0.00	0.0	2.346	0.000	0	0	1	1
083630	PL.19223	C	Consumer	7.53Y	125.5	0.00	0.48	0.00	0	0	0	100	0.00	0.0	1.850	0.000	0	0	1	1
083626	PL.19222	B	Consumer	7.44Y	123.9	0.00	2.08	0.42	0	3	1	95	0.00	0.0	1.824	0.000	3	1	1	1
PL.16366	PL.26598	A	4ACSR	7.51Y	125.1	0.00	0.89	1.32	1	9	5	87	0.00	0.0	1.710	0.007	0	0	0	6
PD.1155	PL.16366	A	fuse6AMP	7.51Y	125.1	0.00	0.89	1.32	23	9	5	87	0.00	0.0	1.710	0.000	0	0	0	6
PL.16367	PD.1155	A	4ACSR	7.51Y	125.1	0.01	0.90	1.32	1	9	5	87	0.00	0.0	1.847	0.136	0	0	0	6
083631	PL.16367	A	Consumer	7.51Y	125.1	0.00	0.90	0.40	0	3	1	95	0.00	0.0	1.847	0.000	3	1	1	1
PL.26594	PL.16367	A	4ACSR	7.51Y	125.1	0.00	0.90	0.92	0	6	3	89	0.00	0.0	1.884	0.038	0	0	0	5

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: BOWEN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.30335	PL.26594	A	4ACSR	7.51Y	125.1	0.00	0.91	0.92	0	6	3	89	0.00	0.0	1.923	0.039	0	0	0	5
PD.3818-A	PL.30335	A	Closed	7.51Y	125.1	0.00	0.91	0.92	0	6	3	89	0.00	0.0	1.923	0.000	0	0	0	5
PD.3818-B	PD.3818-A	A	Closed	7.51Y	125.1	0.00	0.91	0.92	0	6	3	89	0.00	0.0	1.923	0.000	0	0	0	5
PL.30336	PD.3818-B	A	4ACSR	7.50Y	125.1	0.02	0.92	0.92	0	6	3	89	0.00	0.0	2.276	0.352	0	0	0	5
083601	PL.30336	A	Consumer	7.50Y	125.1	0.00	0.92	0.08	0	1	0	100	0.00	0.0	2.276	0.000	1	0	1	1
083612	PL.30336	A	Consumer	7.50Y	125.1	0.00	0.92	0.70	0	5	3	86	0.00	0.0	2.276	0.000	5	3	1	1
PL.8305	PL.30336	A	4ACSR	7.50Y	125.1	0.00	0.92	0.14	0	1	1	71	0.00	0.0	2.362	0.087	0	0	0	3
PL.5050	PL.8305	A	4ACSR	7.50Y	125.1	0.00	0.92	0.00	0	0	0	100	0.00	0.0	2.362	0.000	0	0	0	0
PL.5209	PL.8305	A	4ACSR	7.50Y	125.1	0.00	0.92	0.14	0	1	1	71	0.00	0.0	2.474	0.112	0	0	0	3
083515	PL.5209	A	Consumer	7.50Y	125.1	0.00	0.92	0.08	0	1	0	100	0.00	0.0	2.474	0.000	1	0	1	1
083535	PL.5209	A	Consumer	7.50Y	125.1	0.00	0.92	0.00	0	0	0	100	0.00	0.0	2.474	0.000	0	0	1	1
PL.19647	PL.5209	A	4ACSR	7.50Y	125.1	0.00	0.92	0.06	0	0	0	100	0.00	0.0	2.555	0.081	0	0	0	1
083506	PL.19647	A	Consumer	7.50Y	125.1	0.00	0.92	0.06	0	0	0	100	0.00	0.0	2.555	0.000	0	0	1	1
083623	PL.26598	C	Consumer	7.54Y	125.6	0.00	0.39	0.05	0	0	0	100	0.00	0.0	1.704	0.000	0	0	1	1
PL.26793	PL.26796	A	4ACSR	7.54Y	125.6	0.00	0.39	0.12	0	1	0	100	0.00	0.0	0.929	0.021	0	0	0	1
PD.2040	PL.26793	A	fuse6AMP	7.54Y	125.6	0.00	0.39	0.12	2	1	0	100	0.00	0.0	0.929	0.000	0	0	0	1
PL.26794	PD.2040	A	4ACSR	7.54Y	125.6	0.00	0.39	0.12	0	1	0	100	0.00	0.0	1.064	0.134	0	0	0	1
PL.5042	PL.26794	A	4ACSR	7.54Y	125.6	0.00	0.39	0.12	0	1	0	100	0.00	0.0	1.077	0.013	0	0	0	1
084601	PL.5042	A	Consumer	7.54Y	125.6	0.00	0.39	0.12	0	1	0	100	0.00	0.0	1.077	0.000	1	0	1	1
PL.39241	PL.8440	A	4ACSR	7.54Y	125.6	0.00	0.37	0.07	0	0	0	100	0.00	0.0	0.865	0.006	0	0	0	1
PD.6885	PL.39241	A	50E	7.54Y	125.6	0.00	0.37	0.07	0	0	0	100	0.00	0.0	0.865	0.000	0	0	0	1
PL.8438	PD.6885	A	4ACSR	7.54Y	125.6	0.00	0.37	0.07	0	0	0	100	0.00	0.0	0.997	0.132	0	0	0	1
PL.39242	PL.8438	A	4ACSR	7.54Y	125.6	0.00	0.37	0.00	0	0	0	100	0.00	0.0	1.000	0.003	0	0	0	0
PD.6884-A	PL.39242	A	Open	7.54Y	125.6	0.00	0.37	0.00	0	0	0	100	0.00	0.0	1.000	0.000	0	0	0	0
084510	PL.8438	A	Consumer	7.54Y	125.6	0.00	0.37	0.07	0	0	0	100	0.00	0.0	0.997	0.000	0	0	1	1
084552	PL.27965	B	Consumer	7.52Y	125.3	0.00	0.69	0.00	0	0	0	100	0.00	0.0	0.761	0.000	0	0	0	0
084507	PL.27965	B	Consumer	7.52Y	125.3	0.00	0.69	0.50	0	3	2	83	0.00	0.0	0.761	0.000	3	2	1	1
084535	PL.8447	B	Consumer	7.52Y	125.4	0.00	0.62	0.51	0	3	2	83	0.00	0.0	0.680	0.000	3	2	1	1
084553	PL.8447	C	Consumer	7.56Y	125.9	0.00	0.06	0.15	0	1	1	71	0.00	0.0	0.680	0.000	1	1	1	1
084551	PL.14388	B	Consumer	7.53Y	125.5	0.00	0.53	0.60	0	4	2	89	0.00	0.0	0.588	0.000	4	2	1	1
083536	PL.14388	B	Consumer	7.53Y	125.5	0.00	0.53	0.47	0	3	2	83	0.00	0.0	0.588	0.000	3	2	1	1
083538	PL.20914	B	Consumer	7.54Y	125.7	0.00	0.27	0.14	0	1	1	71	0.00	0.0	0.295	0.000	1	1	1	1
083523	PL.20914	B	Consumer	7.54Y	125.7	0.00	0.27	0.00	0	0	0	100	0.00	0.0	0.295	0.000	0	0	0	0

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

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	3617	0	0	0	0	0	67	0.00	3684
KVAR	1127	0	-661	-7	0	0	66		525

Lowest Voltage	Highest Accumulated Voltage Drop	Highest Element Voltage Drop
A-Phase -> 122.44 volts on PL.28128	3.56 volts on PL.28128	0.42 volts on PL.26596
B-Phase -> 118.33 volts on PL.5321	7.67 volts on PL.5321	0.85 volts on PL.26596
C-Phase -> 123.71 volts on PL.19567	2.29 volts on PL.19567	0.75 volts on PL.14090

Unbalanced Voltage Drop Report
Source: CAVE RUN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
CAVE RUN		A	CAVE RUN	7.56Y	126.0	0.00	0.00	113.50	0	851	109	99	0.00	0.0	0.000	0.000	0	0	0	126
		B		7.56Y	126.0	0.00	0.00	70.91	0	530	80	99					0	0	0	78
		C		7.56Y	126.0	0.00	0.00	59.80	0	446	72	99					0	0	0	87
PL.40919	CAVE RUN	A	4/0ACSR	7.56Y	126.0	0.00	0.00	43.88	9	332	4	100	0.01	0.0	0.008	0.008	0	0	0	55
		B		7.56Y	126.0	0.00	0.00	34.33	7	259	10	100					0	0	0	48
		C		7.56Y	126.0	0.00	0.00	29.13	6	219	19	100					0	0	0	38
PL.32854	PL.40919	A	4/0ACSR	7.56Y	126.0	0.00	0.00	43.88	9	332	4	100	0.00	0.0	0.010	0.002	0	0	0	55
		B		7.56Y	126.0	0.00	0.00	34.33	7	259	10	100					0	0	0	48
		C		7.56Y	126.0	0.00	0.00	29.13	6	219	19	100					0	0	0	38
---------- Feeder No. 1 (CAVERUN1) Beginning with Device PD.3888 ----------																				
PD.3888	PL.32854	A	VWVE	7.56Y	126.0	0.00	0.00	43.88	0	332	4	100	0.00	0.0	0.010	0.000	0	0	0	55
		B		7.56Y	126.0	0.00	0.00	34.33	0	259	10	100					0	0	0	48
		C		7.56Y	126.0	0.00	0.00	29.13	0	219	19	100					0	0	0	38
PL.32855	PD.3888	A	4/0ACSR	7.56Y	126.0	0.01	0.01	43.88	9	332	4	100	0.03	0.0	0.027	0.016	0	0	0	55
		B		7.56Y	126.0	0.00	0.00	34.33	7	259	10	100					0	0	0	48
		C		7.56Y	126.0	0.00	0.01	29.13	6	219	19	100					0	0	0	38
PL.29078	PL.32855	A	4/0ACSR	7.56Y	126.0	0.01	0.02	43.88	9	332	4	100	0.03	0.0	0.043	0.016	0	0	0	55
		B		7.56Y	126.0	0.00	0.01	34.33	7	259	10	100					0	0	0	48
		C		7.56Y	126.0	0.00	0.01	29.13	6	219	19	100					0	0	0	38
PD.247-A	PL.29078	A	Closed	7.56Y	126.0	0.00	0.02	43.88	0	332	4	100	0.00	0.0	0.043	0.000	0	0	0	55
		B		7.56Y	126.0	0.00	0.01	34.33	0	259	10	100					0	0	0	48
		C		7.56Y	126.0	0.00	0.01	29.13	0	219	19	100					0	0	0	38
PD.247-B	PD.247-A	A	Closed	7.56Y	126.0	0.00	0.02	43.88	0	332	4	100	0.00	0.0	0.043	0.000	0	0	0	55
		B		7.56Y	126.0	0.00	0.01	34.33	0	259	10	100					0	0	0	48
		C		7.56Y	126.0	0.00	0.01	29.13	0	219	19	100					0	0	0	38
PL.15541	PD.247-B	A	4/0ACSR	7.56Y	126.0	0.01	0.03	43.88	9	332	4	100	0.05	0.0	0.073	0.030	0	0	0	55
		B		7.56Y	126.0	0.00	0.01	34.33	7	259	10	100					0	0	0	48
		C		7.56Y	126.0	0.01	0.02	29.13	6	219	19	100					0	0	0	38
PL.37683	PL.15541	A	4/0ACSR	7.56Y	126.0	0.00	0.03	0.00	0	0	0	100	0.00	0.0	0.077	0.004	0	0	0	0
		B		7.56Y	126.0	0.00	0.01	0.00	0	0	0	100					0	0	0	0
		C		7.56Y	126.0	0.00	0.02	0.00	0	0	0	100					0	0	0	0
PD.7582-A	PL.37683	A	Open	7.56Y	126.0	0.00	0.03	0.00	0	0	0	100	0.00	0.0	0.077	0.000	0	0	0	0
		B		7.56Y	126.0	0.00	0.01	0.00	0	0	0	100					0	0	0	0
		C		7.56Y	126.0	0.00	0.02	0.00	0	0	0	100					0	0	0	0
PL.9595	PL.15541	A	4/0ACSR	7.56Y	126.0	0.01	0.03	43.88	9	332	4	100	0.03	0.0	0.090	0.017	0	0	0	55
		B		7.56Y	126.0	0.00	0.01	34.33	7	259	10	100					0	0	0	48
		C		7.56Y	126.0	0.00	0.03	29.13	6	219	19	100					0	0	0	38
PL.15721	PL.9595	A	4/0ACSR	7.56Y	126.0	0.00	0.04	43.88	9	332	4	100	0.01	0.0	0.096	0.006	0	0	0	55
		B		7.56Y	126.0	0.00	0.01	34.33	7	259	10	100					0	0	0	48
		C		7.56Y	126.0	0.00	0.03	29.13	6	219	19	100					0	0	0	38
PD.245-A	PL.15721	A	Closed	7.56Y	126.0	0.00	0.04	43.88	0	332	4	100	0.00	0.0	0.096	0.000	0	0	0	55
		B		7.56Y	126.0	0.00	0.01	34.33	0	259	10	100					0	0	0	48
		C		7.56Y	126.0	0.00	0.03	29.13	0	219	19	100					0	0	0	38
PD.245-B	PD.245-A	A	Closed	7.56Y	126.0	0.00	0.04	43.88	0	332	4	100	0.00	0.0	0.096	0.000	0	0	0	55
		B		7.56Y	126.0	0.00	0.01	34.33	0	259	10	100					0	0	0	48
		C		7.56Y	126.0	0.00	0.03	29.13	0	219	19	100					0	0	0	38
PL.15722	PD.245-B	A	4/0ACSR	7.56Y	125.9	0.03	0.06	43.88	9	332	4	100	0.12	0.0	0.163	0.067	0	0	0	55
		B		7.56Y	126.0	0.01	0.02	34.33	7	259	10	100					0	0	0	48
		C		7.56Y	126.0	0.02	0.05	29.13	6	219	19	100					0	0	0	38
399702	PL.15722	A	Consumer	7.56Y	125.9	0.00	0.06	0.00	0	0	0	100	0.00	0.0	0.163	0.000	0	0	1	1
399796	PL.15722	A	Consumer	7.56Y	125.9	0.00	0.06	0.00	0	0	0	100	0.00	0.0	0.163	0.000	0	0	0	0
PL.23997	PL.15722	A	4/0ACSR	7.55Y	125.9	0.03	0.09	43.88	9	332	4	100	0.13	0.0	0.240	0.077	0	0	0	54
		B		7.56Y	126.0	0.01	0.04	34.33	7	259	10	100					0	0	0	48
		C		7.56Y	125.9	0.02	0.07	29.13	6	219	19	100					0	0	0	38

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

Unbalanced Voltage Drop Report
Source: CAVE RUN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.9596	PL.23997	A	4/0ACSR	7.55Y	125.9	0.02	0.12	43.88	9	331	4	100	0.10	0.0	0.299	0.059	0	0	0	54
		B		7.56Y	126.0	0.01	0.05	34.12	7	258	10	100					0	0	0	47
		C		7.55Y	125.9	0.02	0.09	29.13	6	219	19	100					0	0	0	38
PL.19746	PL.9596	B	4ACSR	7.56Y	126.0	0.00	0.05	8.45	4	64	3	100	0.00	0.0	0.299	0.000	0	0	0	10
3997112	PL.19746	B	Consumer	7.56Y	126.0	0.00	0.05	0.00	0	0	0	100	0.00	0.0	0.299	0.000	0	0	0	0
399792	PL.19746	B	Consumer	7.56Y	126.0	0.00	0.05	0.21	0	1	1	71	0.00	0.0	0.299	0.000	1	1	1	1
399763	PL.19746	B	Consumer	7.56Y	126.0	0.00	0.05	1.43	0	11	0	100	0.00	0.0	0.299	0.000	11	0	1	1
PL.19747	PL.19746	B	4ACSR	7.56Y	126.0	0.00	0.05	6.83	4	52	2	100	0.00	0.0	0.301	0.002	0	0	0	8
C PD.1176	PL.19747	B	fuse6AMP	7.56Y	126.0	0.00	0.05	6.83	117	52	2	100	0.00	0.0	0.301	0.000	0	0	0	8 C
PL.15743	PD.1176	B	4ACSR	7.56Y	126.0	0.00	0.05	6.83	4	52	2	100	0.00	0.0	0.306	0.005	0	0	0	8
399788	PL.15743	B	Consumer	7.56Y	126.0	0.00	0.05	0.00	0	0	0	100	0.00	0.0	0.306	0.000	0	0	1	1
PL.9597	PL.15743	B	4ACSR	7.56Y	125.9	0.01	0.06	6.83	4	52	2	100	0.01	0.0	0.356	0.050	0	0	0	7
PL.1803	PL.9597	B	4ACSR	7.56Y	125.9	0.00	0.07	6.07	3	46	1	100	0.00	0.0	0.374	0.018	0	0	0	4
399774	PL.1803	B	Consumer	7.56Y	125.9	0.00	0.07	1.11	0	8	0	100	0.00	0.0	0.374	0.000	8	0	1	1
399762	PL.1803	B	Consumer	7.56Y	125.9	0.00	0.07	1.80	0	14	0	100	0.00	0.0	0.374	0.000	14	0	1	1
399776	PL.1803	B	Consumer	7.56Y	125.9	0.00	0.07	1.61	0	12	0	100	0.00	0.0	0.374	0.000	12	0	1	1
399760	PL.1803	B	Consumer	7.56Y	125.9	0.00	0.07	0.00	0	0	0	100	0.00	0.0	0.374	0.000	0	0	0	0
399750	PL.1803	B	Consumer	7.56Y	125.9	0.00	0.07	1.54	0	12	0	100	0.00	0.0	0.374	0.000	12	0	1	1
PL.1804	PL.9597	B	4ACSR	7.56Y	125.9	0.00	0.06	0.77	0	6	0	100	0.00	0.0	0.387	0.031	0	0	0	3
PL.1805	PL.1804	B	4ACSR	7.56Y	125.9	0.00	0.06	0.00	0	0	0	100	0.00	0.0	0.441	0.053	0	0	0	0
399779	PL.1804	B	Consumer	7.56Y	125.9	0.00	0.06	0.19	0	1	0	100	0.00	0.0	0.387	0.000	1	0	1	1
399746	PL.1804	B	Consumer	7.56Y	125.9	0.00	0.06	0.01	0	0	0	100	0.00	0.0	0.387	0.000	0	0	1	1
399752	PL.1804	B	Consumer	7.56Y	125.9	0.00	0.06	0.56	0	4	0	100	0.00	0.0	0.387	0.000	4	0	1	1
PL.20023	PL.9596	A	4/0ACSR	7.55Y	125.9	0.03	0.15	43.88	9	331	4	100	0.14	0.0	0.390	0.090	0	0	0	54
		B		7.56Y	125.9	0.00	0.05	25.67	5	194	8	100					0	0	0	37
		C		7.55Y	125.9	0.03	0.12	29.13	6	219	19	100					0	0	0	38
PL.20024	PL.20023	A	4/0ACSR	7.55Y	125.8	0.01	0.16	43.88	9	331	4	100	0.05	0.0	0.423	0.033	0	0	0	54
		B		7.56Y	125.9	0.00	0.05	25.67	5	194	8	100					0	0	0	37
		C		7.55Y	125.9	0.01	0.13	28.24	6	212	18	100					0	0	0	37
PL.9598	PL.20024	A	4/0ACSR	7.55Y	125.8	0.01	0.17	43.88	9	331	4	100	0.04	0.0	0.453	0.030	0	0	0	54
		B		7.56Y	125.9	0.00	0.05	25.67	5	194	8	100					0	0	0	37
		C		7.55Y	125.9	0.01	0.14	23.90	5	180	17	100					0	0	0	32
PL.9599	PL.9598	A	4/0ACSR	7.55Y	125.8	0.02	0.19	43.88	9	331	4	100	0.08	0.0	0.509	0.056	0	0	0	54
		B		7.56Y	125.9	0.00	0.05	25.67	5	194	8	100					0	0	0	37
		C		7.55Y	125.8	0.02	0.15	22.55	5	169	17	100					0	0	0	29
399731	PL.9599	C	Consumer	7.55Y	125.8	0.00	0.15	0.26	0	2	1	89	0.00	0.0	0.509	0.000	2	1	1	1
399747	PL.9599	C	Consumer	7.55Y	125.8	0.00	0.15	0.85	0	6	0	100	0.00	0.0	0.509	0.000	6	0	1	1
399732	PL.9599	C	Consumer	7.55Y	125.8	0.00	0.15	0.62	0	5	0	100	0.00	0.0	0.509	0.000	5	0	1	1
399729	PL.9599	C	Consumer	7.55Y	125.8	0.00	0.15	0.26	0	2	0	100	0.00	0.0	0.509	0.000	2	0	1	1
PL.40666	PL.9599	A	4/0ACSR	7.55Y	125.8	0.02	0.21	43.88	9	331	3	100	0.07	0.0	0.562	0.053	0	0	0	54
		B		7.56Y	125.9	0.00	0.05	25.67	5	194	7	100					0	0	0	37
		C		7.55Y	125.8	0.01	0.17	20.58	4	155	16	99					0	0	0	25
PD.7253-A	PL.40666	A	Closed	7.55Y	125.8	0.00	0.21	43.88	0	331	3	100	0.00	0.0	0.562	0.000	0	0	0	54
		B		7.56Y	125.9	0.00	0.05	25.67	0	194	7	100					0	0	0	37
		C		7.55Y	125.8	0.00	0.17	20.58	0	155	16	99					0	0	0	25

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: CAVE RUN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.7253-B	PD.7253-A	A	Closed	7.55Y	125.8	0.00	0.21	43.88	0	331	3	100	0.00	0.0	0.562	0.000	0	0	0	54
		B		7.56Y	125.9	0.00	0.05	25.67	0	194	7	100					0	0	0	37
		C		7.55Y	125.8	0.00	0.17	20.58	0	155	16	99					0	0	0	25
PL.40667	PD.7253-B	A	4/0ACSR	7.54Y	125.7	0.09	0.30	43.88	9	331	3	100	0.29	0.0	0.772	0.209	0	0	0	54
		B		7.56Y	125.9	0.00	0.06	25.67	5	194	7	100					0	0	0	37
		C		7.55Y	125.8	0.05	0.22	20.58	4	155	16	99					0	0	0	25
PL.94	PL.40667	A	4/0ACSR	7.54Y	125.7	0.01	0.31	43.88	9	331	3	100	0.04	0.0	0.804	0.032	0	0	0	54
		B		7.56Y	125.9	0.00	0.06	25.67	5	194	7	100					0	0	0	37
		C		7.55Y	125.8	0.01	0.23	20.58	4	155	16	99					0	0	0	25
PL.24713	PL.94	A	4/0ACSR	7.54Y	125.6	0.08	0.39	43.88	9	331	3	100	0.26	0.0	0.993	0.190	0	0	0	54
		B		7.56Y	125.9	0.00	0.06	25.67	5	194	7	100					0	0	0	37
		C		7.54Y	125.7	0.05	0.28	20.58	4	155	16	99					0	0	0	25
398848	PL.24713	B	Consumer	7.56Y	125.9	0.00	0.06	0.50	0	3	2	83	0.00	0.0	0.993	0.000	3	2	1	1
PL.24714	PL.24713	A	4/0ACSR	7.53Y	125.6	0.03	0.43	43.88	9	331	2	100	0.11	0.0	1.075	0.082	0	0	0	54
		B		7.56Y	125.9	0.00	0.06	25.22	5	190	6	100					0	0	0	36
		C		7.54Y	125.7	0.02	0.30	20.58	4	154	16	99					0	0	0	25
398805	PL.24714	B	Consumer	7.56Y	125.9	0.00	0.06	0.00	0	0	0	100	0.00	0.0	1.075	0.000	0	0	0	0
398847	PL.24714	B	Consumer	7.56Y	125.9	0.00	0.06	0.00	0	0	0	100	0.00	0.0	1.075	0.000	0	0	0	0
398835	PL.24714	B	Consumer	7.56Y	125.9	0.00	0.06	0.88	0	6	3	89	0.00	0.0	1.075	0.000	6	3	1	1
PL.24715	PL.24714	A	4/0ACSR	7.53Y	125.5	0.07	0.49	43.88	9	331	2	100	0.23	0.0	1.241	0.166	0	0	0	54
		B		7.56Y	125.9	-0.00	0.06	24.42	5	184	3	100					0	0	0	35
		C		7.54Y	125.7	0.05	0.35	20.58	4	154	16	99					0	0	0	25
PL.9600	PL.24715	A	4/0ACSR	7.53Y	125.4	0.08	0.57	43.38	9	327	2	100	0.25	0.0	1.430	0.189	0	0	0	53
		B		7.56Y	125.9	-0.00	0.06	24.42	5	184	3	100					0	0	0	35
		C		7.54Y	125.6	0.05	0.40	20.58	4	154	16	99					0	0	0	25
PL.9601	PL.9600	A	4/0ACSR	7.53Y	125.4	0.00	0.57	41.49	9	312	1	100	0.01	0.0	1.439	0.009	0	0	0	51
		B		7.56Y	125.9	-0.00	0.06	20.65	4	156	2	100					0	0	0	31
		C		7.54Y	125.6	0.00	0.40	20.58	4	154	16	99					0	0	0	25
PL.9602	PL.9601	A	4/0ACSR	7.53Y	125.4	0.00	0.57	31.33	7	236	-1	-100	0.00	0.0	1.444	0.004	0	0	0	43
		B		7.56Y	125.9	0.00	0.06	20.65	4	156	2	100					0	0	0	31
		C		7.54Y	125.6	0.00	0.40	20.58	4	154	16	99					0	0	0	25
PL.24716	PL.9602	A	4/0ACSR	7.52Y	125.4	0.02	0.59	31.33	7	236	-1	-100	0.06	0.0	1.521	0.078	0	0	0	43
		B		7.56Y	125.9	0.00	0.06	20.65	4	156	2	100					0	0	0	31
		C		7.53Y	125.6	0.02	0.42	20.58	4	154	16	99					0	0	0	25
PL.9603	PL.24716	A	4/0ACSR	7.52Y	125.4	0.01	0.60	30.46	6	229	-2	-100	0.04	0.0	1.570	0.048	0	0	0	42
		B		7.56Y	125.9	0.00	0.06	20.65	4	156	2	100					0	0	0	31
		C		7.53Y	125.6	0.01	0.43	20.58	4	154	16	99					0	0	0	25
PL.9604	PL.9603	A	4/0ACSR	7.52Y	125.4	0.01	0.62	30.46	6	229	-2	-100	0.04	0.0	1.623	0.054	0	0	0	42
		B		7.56Y	125.9	0.00	0.06	15.66	3	118	0	100					0	0	0	26
		C		7.53Y	125.6	0.01	0.45	20.58	4	154	16	99					0	0	0	25
PL.15726	PL.9604	A	4ACSR	7.52Y	125.4	0.01	0.63	9.13	5	69	3	100	0.01	0.0	1.649	0.026	0	0	0	8
PD.3401	PL.15726	A	25L	7.52Y	125.4	0.00	0.63	9.13	37	69	3	100	0.00	0.0	1.649	0.000	0	0	0	8
PL.15727	PD.3401	A	4ACSR	7.52Y	125.3	0.09	0.71	9.13	5	69	3	100	0.05	0.1	1.888	0.239	0	0	0	8
PL.40652	PL.15727	A	4ACSR	7.52Y	125.3	0.00	0.72	6.94	4	52	2	100	0.00	0.0	1.894	0.006	0	0	0	6
PD.7245-A	PL.40652	A	Closed	7.52Y	125.3	0.00	0.72	6.94	0	52	2	100	0.00	0.0	1.894	0.000	0	0	0	6
PD.7245-B	PD.7245-A	A	Closed	7.52Y	125.3	0.00	0.72	6.94	0	52	2	100	0.00	0.0	1.894	0.000	0	0	0	6
PL.40653	PD.7245-B	A	4ACSR	7.52Y	125.3	0.02	0.74	6.94	4	52	2	100	0.01	0.0	1.975	0.081	0	0	0	6
PL.21204	PL.40653	A	4ACSR	7.52Y	125.3	0.01	0.75	5.29	3	40	2	100	0.00	0.0	2.003	0.028	0	0	0	4
PL.21203	PL.21204	A	4ACSR	7.52Y	125.3	0.00	0.75	3.35	2	25	1	100	0.00	0.0	2.035	0.032	0	0	0	3
PL.21202	PL.21203	A	4ACSR	7.51Y	125.2	0.00	0.75	3.35	2	25	1	100	0.00	0.0	2.063	0.027	0	0	0	3

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: CAVE RUN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
398839	PL.21202	A	Consumer	7.51Y	125.2	0.00	0.75	2.13	0	16	0	100	0.00	0.0	2.063	0.000	16	0	1	1
398859	PL.21202	A	Consumer	7.51Y	125.2	0.00	0.75	0.14	0	1	0	100	0.00	0.0	2.063	0.000	1	0	1	1
398843	PL.21202	A	Consumer	7.51Y	125.2	0.00	0.75	1.09	0	8	0	100	0.00	0.0	2.063	0.000	8	0	1	1
398844	PL.21204	A	Consumer	7.52Y	125.3	0.00	0.75	1.95	0	15	0	100	0.00	0.0	2.003	0.000	15	0	1	1
398846	PL.40653	A	Consumer	7.52Y	125.3	0.00	0.74	0.60	0	4	0	100	0.00	0.0	1.975	0.000	4	0	1	1
398845	PL.40653	A	Consumer	7.52Y	125.3	0.00	0.74	1.05	0	8	0	100	0.00	0.0	1.975	0.000	8	0	1	1
PL.40654	PL.15727	A	4ACSR	7.52Y	125.3	0.00	0.72	2.19	1	16	0	100	0.00	0.0	1.896	0.008	0	0	0	2
PD.7246-A	PL.40654	A	Closed	7.52Y	125.3	0.00	0.72	2.19	0	16	0	100	0.00	0.0	1.896	0.000	0	0	0	2
PD.7246-B	PD.7246-A	A	Closed	7.52Y	125.3	0.00	0.72	2.19	0	16	0	100	0.00	0.0	1.896	0.000	0	0	0	2
PL.40655	PD.7246-B	A	4ACSR	7.52Y	125.3	0.00	0.72	2.19	1	16	0	100	0.00	0.0	1.922	0.026	0	0	0	2
398840	PL.40655	A	Consumer	7.52Y	125.3	0.00	0.72	1.20	0	9	0	100	0.00	0.0	1.922	0.000	9	0	1	1
PL.27984	PL.40655	A	4ACSR	7.52Y	125.3	0.00	0.72	0.98	1	7	0	100	0.00	0.0	2.016	0.094	0	0	0	1
PL.24717	PL.27984	A	4ACSR	7.52Y	125.3	0.00	0.72	0.98	1	7	0	100	0.00	0.0	2.061	0.045	0	0	0	1
398838	PL.24717	A	Consumer	7.52Y	125.3	0.00	0.72	0.98	0	7	0	100	0.00	0.0	2.061	0.000	7	0	1	1
PL.15728	PL.9604	A	4/0ACSR	7.52Y	125.4	0.00	0.62	21.34	5	161	-4	-100	0.00	0.0	1.626	0.003	0	0	0	34
		B		7.56Y	125.9	0.00	0.06	15.66	3	118	0	100					0	0	0	26
		C		7.53Y	125.6	0.00	0.45	20.58	4	154	16	99					0	0	0	25
PD.249-A	PL.15728	A	Closed	7.52Y	125.4	0.00	0.62	21.34	0	161	-4	-100	0.00	0.0	1.626	0.000	0	0	0	34
		B		7.56Y	125.9	0.00	0.06	15.66	0	118	0	100					0	0	0	26
		C		7.53Y	125.6	0.00	0.45	20.58	0	154	15	99					0	0	0	25
PD.249-B	PD.249-A	A	Closed	7.52Y	125.4	0.00	0.62	21.34	0	161	-4	-100	0.00	0.0	1.626	0.000	0	0	0	34
		B		7.56Y	125.9	0.00	0.06	15.66	0	118	0	100					0	0	0	26
		C		7.53Y	125.6	0.00	0.45	20.58	0	154	15	99					0	0	0	25
PL.40658	PD.249-B	A	4/0ACSR	7.52Y	125.4	0.02	0.63	21.34	5	161	-4	-100	0.07	0.0	1.776	0.150	0	0	0	34
		B		7.56Y	125.9	0.01	0.08	15.66	3	118	0	100					0	0	0	26
		C		7.53Y	125.5	0.04	0.48	20.58	4	154	15	99					0	0	0	25
PD.7248-A	PL.40658	A	Closed	7.52Y	125.4	0.00	0.63	21.34	0	160	-4	-100	0.00	0.0	1.776	0.000	0	0	0	34
		B		7.56Y	125.9	0.00	0.08	15.66	0	118	0	100					0	0	0	26
		C		7.53Y	125.5	0.00	0.48	20.58	0	154	15	100					0	0	0	25
PD.7248-B	PD.7248-A	A	Closed	7.52Y	125.4	0.00	0.63	21.34	0	160	-4	-100	0.00	0.0	1.776	0.000	0	0	0	34
		B		7.56Y	125.9	0.00	0.08	15.66	0	118	0	100					0	0	0	26
		C		7.53Y	125.5	0.00	0.48	20.58	0	154	15	100					0	0	0	25
PL.40659	PD.7248-B	A	4/0ACSR	7.52Y	125.4	0.01	0.65	21.34	5	160	-4	-100	0.05	0.0	1.869	0.093	0	0	0	34
		B		7.56Y	125.9	0.01	0.08	15.66	3	118	0	100					0	0	0	26
		C		7.53Y	125.5	0.02	0.51	20.58	4	154	15	100					0	0	0	25
PL.15730	PL.40659	A	4/0ACSR	7.52Y	125.3	0.01	0.66	20.89	4	157	-4	-100	0.05	0.0	1.970	0.102	0	0	0	33
		B		7.55Y	125.9	0.01	0.09	15.66	3	118	0	100					0	0	0	26
		C		7.53Y	125.5	0.02	0.53	20.58	4	154	15	100					0	0	0	25
PD.3400	PL.15730	A	50L	7.52Y	125.3	0.00	0.66	20.89	42	157	-4	-100	0.00	0.0	1.970	0.000	0	0	0	33
		B		7.55Y	125.9	0.00	0.09	15.66	31	118	0	100					0	0	0	26
		C		7.53Y	125.5	0.00	0.53	20.58	41	154	15	100					0	0	0	25
PL.15731	PD.3400	A	4/0ACSR	7.52Y	125.3	0.01	0.67	20.89	4	157	-4	-100	0.05	0.0	2.068	0.097	0	0	0	33
		B		7.55Y	125.9	0.01	0.10	15.66	3	118	0	100					0	0	0	26
		C		7.53Y	125.4	0.02	0.55	20.58	4	154	15	100					0	0	0	25
PL.15732	PL.15731	C	4ACSR	7.53Y	125.4	0.00	0.55	1.04	1	8	0	100	0.00	0.0	2.073	0.006	0	0	0	2
PD.1179	PL.15732	C	fuse6AMP	7.53Y	125.4	0.00	0.55	1.04	18	8	0	100	0.00	0.0	2.073	0.000	0	0	0	2
PL.21517	PD.1179	C	4ACSR	7.53Y	125.4	0.00	0.55	1.04	1	8	0	100	0.00	0.0	2.116	0.043	0	0	0	2
PL.21199	PL.21517	C	4ACSR	7.53Y	125.4	0.00	0.56	1.04	1	8	0	100	0.00	0.0	2.225	0.109	0	0	0	2

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: CAVE RUN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.21200	PL.21199	C	4ACSR	7.53Y	125.4	0.00	0.56	1.04	1	8	0	100	0.00	0.0	2.327	0.102	0	0	0	1
399803	PL.21200	C	Consumer	7.53Y	125.4	0.00	0.56	1.04	0	8	0	100	0.00	0.0	2.327	0.000	8	0	1	1
399808	PL.21199	C	Consumer	7.53Y	125.4	0.00	0.56	0.00	0	0	0	100	0.00	0.0	2.225	0.000	0	0	1	1
PL.15733	PL.15731	A	4/0ACSR	7.52Y	125.3	0.00	0.67	20.89	4	157	-4	-100	0.02	0.0	2.106	0.038	0	0	0	33
		B		7.55Y	125.9	0.00	0.10	15.66	3	118	0	100					0	0	0	26
		C		7.53Y	125.4	0.01	0.56	19.55	4	146	15	99					0	0	0	23
PL.15734	PL.15733	A	4/0ACSR	7.52Y	125.3	0.00	0.67	20.89	4	157	-4	-100	0.00	0.0	2.115	0.009	0	0	0	33
		B		7.55Y	125.9	0.00	0.10	15.66	3	118	0	100					0	0	0	26
		C		7.53Y	125.4	0.00	0.56	17.36	4	130	15	99					0	0	0	20
399837	PL.15734	C	Consumer	7.53Y	125.4	0.00	0.56	1.85	0	14	0	100	0.00	0.0	2.115	0.000	14	0	1	1
PL.9605	PL.15734	A	4/0ACSR	7.52Y	125.3	0.02	0.69	20.89	4	157	-4	-100	0.05	0.0	2.247	0.132	0	0	0	33
		B		7.55Y	125.9	0.01	0.11	15.66	3	118	0	100					0	0	0	26
		C		7.52Y	125.4	0.02	0.59	15.52	3	116	14	99					0	0	0	19
PL.15735	PL.9605	B	4ACSR	7.55Y	125.9	0.00	0.11	1.54	1	12	0	100	0.00	0.0	2.249	0.002	0	0	0	1
PD.1181	PL.15735	B	fuse6AMP	7.55Y	125.9	0.00	0.11	1.54	26	12	0	100	0.00	0.0	2.249	0.000	0	0	0	1
PL.15736	PD.1181	B	4ACSR	7.55Y	125.9	0.01	0.12	1.54	1	12	0	100	0.00	0.0	2.466	0.216	0	0	0	1
399841	PL.15736	B	Consumer	7.55Y	125.9	0.00	0.12	1.54	0	12	0	100	0.00	0.0	2.466	0.000	12	0	1	1
PL.43669	PL.9605	A	4/0ACSR	7.52Y	125.3	0.00	0.70	20.89	4	157	-5	-100	0.00	0.0	2.259	0.013	0	0	0	33
		B		7.55Y	125.9	0.00	0.11	14.11	3	107	0	100					0	0	0	25
		C		7.52Y	125.4	0.00	0.59	15.52	3	116	14	99					0	0	0	19
PD.250-A	PL.43669	A	Closed	7.52Y	125.3	0.00	0.70	20.89	0	157	-5	-100	0.00	0.0	2.259	0.000	0	0	0	33
		B		7.55Y	125.9	0.00	0.11	14.11	0	107	0	100					0	0	0	25
		C		7.52Y	125.4	0.00	0.59	15.52	0	116	14	99					0	0	0	19
PD.250-B	PD.250-A	A	Closed	7.52Y	125.3	0.00	0.70	20.89	0	157	-5	-100	0.00	0.0	2.259	0.000	0	0	0	33
		B		7.55Y	125.9	0.00	0.11	14.11	0	107	0	100					0	0	0	25
		C		7.52Y	125.4	0.00	0.59	15.52	0	116	14	99					0	0	0	19
PL.43670	PD.250-B	A	4/0ACSR	7.52Y	125.3	0.01	0.71	20.89	4	157	-5	-100	0.03	0.0	2.344	0.084	0	0	0	33
		B		7.55Y	125.9	0.00	0.11	14.11	3	107	0	100					0	0	0	25
		C		7.52Y	125.4	0.02	0.61	15.52	3	116	14	99					0	0	0	19
PL.15738	PL.43670	A	4/0ACSR	7.51Y	125.2	0.09	0.79	20.89	4	157	-5	-100	0.23	0.1	2.942	0.598	0	0	0	33
		B		7.55Y	125.9	0.02	0.14	14.11	3	107	0	-100					0	0	0	25
		C		7.52Y	125.3	0.11	0.72	15.52	3	116	14	99					0	0	0	19
PL.123	PL.15738	A	4/0ACSR	7.51Y	125.1	0.08	0.87	20.89	4	157	-5	-100	0.21	0.1	3.470	0.528	0	0	0	33
		B		7.55Y	125.8	0.02	0.16	14.11	3	107	0	-100					0	0	0	25
		C		7.51Y	125.2	0.10	0.82	15.52	3	116	14	99					0	0	0	19
PL.122	PL.123	A	4/0ACSR	7.50Y	125.0	0.11	0.98	20.89	4	157	-5	-100	0.30	0.1	4.252	0.782	0	0	0	33
		B		7.55Y	125.8	0.03	0.19	14.11	3	107	0	-100					0	0	0	25
		C		7.50Y	125.0	0.15	0.97	15.52	3	116	14	99					0	0	0	19
PL.9606	PL.122	A	4/0ACSR	7.50Y	125.0	0.00	0.99	20.89	4	157	-5	-100	0.01	0.0	4.270	0.017	0	0	0	33
		B		7.55Y	125.8	0.00	0.19	14.11	3	107	0	-100					0	0	0	25
		C		7.50Y	125.0	0.00	0.97	15.52	3	116	14	99					0	0	0	19
PL.9607	PL.9606	A	4/0ACSR	7.50Y	125.0	0.05	1.03	20.89	4	157	-5	-100	0.13	0.0	4.600	0.331	0	0	0	33
		B		7.55Y	125.8	0.01	0.20	14.11	3	107	0	-100					0	0	0	25
		C		7.50Y	125.0	0.06	1.03	15.52	3	116	14	99					0	0	0	19
PL.27264	PL.9607	A	4/0ACSR	7.49Y	124.9	0.07	1.10	20.89	4	157	-6	-100	0.18	0.0	5.059	0.459	0	0	0	33
		B		7.55Y	125.8	0.02	0.22	14.11	3	107	0	-100					0	0	0	25
		C		7.49Y	124.9	0.09	1.12	15.52	3	116	14	99					0	0	0	19
PD.413-A	PL.27264	A	Closed	7.49Y	124.9	0.00	1.10	20.89	0	156	-6	-100	0.00	0.0	5.059	0.000	0	0	0	33
		B		7.55Y	125.8	0.00	0.22	14.11	0	107	0	-100					0	0	0	25
		C		7.49Y	124.9	0.00	1.12	15.52	0	115	14	99					0	0	0	19
PD.413-B	PD.413-A	A	Closed	7.49Y	124.9	0.00	1.10	20.89	0	156	-6	-100	0.00	0.0	5.059	0.000	0	0	0	33
		B		7.55Y	125.8	0.00	0.22	14.11	0	107	0	-100					0	0	0	25
		C		7.49Y	124.9	0.00	1.12	15.52	0	115	14	99					0	0	0	19

Unbalanced Voltage Drop Report
Source: CAVE RUN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
	PL.27265	PD.413-B	A	4/0ACSR	7.49Y	124.9	0.02	1.11	20.89	4	156	-6	-100	0.04	0.0	5.171	0.112	0	0	0	33	
			B		7.55Y	125.8	0.00	0.23	14.11	3	107	0	-100					0	0	0	25	
			C		7.49Y	124.9	0.02	1.14	15.52	3	115	14	99					0	0	0	19	
C	PD.1519	PL.27265	A	fuse6AMP	7.49Y	124.9	0.00	1.11	20.89	357	156	-6	-100	0.00	0.0	5.171	0.000	0	0	0	33	C
C			B		7.55Y	125.8	0.00	0.23	14.11	241	107	0	-100					0	0	0	25	C
C			C		7.49Y	124.9	0.00	1.14	15.52	265	115	14	99					0	0	0	19	C
	PL.27266	PD.1519	A	4/0ACSR	7.49Y	124.9	0.00	1.12	20.89	4	156	-6	-100	0.00	0.0	5.180	0.009	0	0	0	33	
			B		7.55Y	125.8	0.00	0.23	14.11	3	107	0	-100					0	0	0	25	
			C		7.49Y	124.9	0.00	1.14	15.52	3	115	14	99					0	0	0	19	
	PL.29614	PL.27266	A	1/0EPRJCN	7.49Y	124.9	0.00	1.12	12.89	7	92	-31	-95	0.00	0.0	5.186	0.006	0	0	0	27	
			B		7.55Y	125.8	0.00	0.23	4.97	3	29	-24	-77					0	0	0	16	
P			C		7.49Y	124.9	-0.00	1.14	4.03	2	4	-30	-13					0	0	0	7	P
	PL.29615	PL.29614	A	1/0EPRJCN	7.49Y	124.8	0.13	1.24	12.89	7	92	-31	-95	0.13	0.1	5.845	0.660	0	0	0	27	
			B		7.55Y	125.8	0.02	0.25	4.97	3	29	-24	-77					0	0	0	16	
P			C		7.49Y	124.9	-0.02	1.12	4.03	2	4	-30	-13					0	0	0	7	P
	PD.1518-A	PL.29615	A	Closed	7.49Y	124.8	0.00	1.24	12.77	0	91	-28	-96	0.00	0.0	5.845	0.000	0	0	0	27	
			B		7.55Y	125.8	0.00	0.25	4.71	0	29	-21	-82					0	0	0	16	
P			C		7.49Y	124.9	0.00	1.12	3.62	0	4	-27	-15					0	0	0	7	P
	PD.1518-B	PD.1518-A	A	Closed	7.49Y	124.8	0.00	1.24	12.77	0	91	-28	-96	0.00	0.0	5.845	0.000	0	0	0	27	
			B		7.55Y	125.8	0.00	0.25	4.71	0	29	-21	-82					0	0	0	16	
P			C		7.49Y	124.9	0.00	1.12	3.62	0	4	-27	-15					0	0	0	7	P
	PL.29423	PD.1518-B	A	1/0EPRJCN	7.49Y	124.8	0.00	1.24	12.77	7	91	-28	-96	0.00	0.0	5.850	0.004	0	0	0	27	
			B		7.55Y	125.8	0.00	0.25	4.71	2	29	-21	-82					0	0	0	16	
P			C		7.49Y	124.9	-0.00	1.12	3.62	2	4	-27	-15					0	0	0	7	P
	PL.29256	PL.29423	A	1/0EPRJCN	7.48Y	124.7	0.09	1.34	11.72	6	86	-17	-98	0.07	0.1	6.325	0.475	0	0	0	22	
P			B		7.55Y	125.8	-0.01	0.24	-2.02	1	0	-15	0					0	0	0	0	P
			C		7.49Y	124.9	-0.01	1.11	-2.00	1	0	-15	0					0	0	0	0	
	PL.29261	PL.29256	A	1/0EPRJCN	7.48Y	124.6	0.06	1.39	11.67	6	86	-14	-99	0.04	0.0	6.605	0.280	0	0	0	22	
P			B		7.55Y	125.8	-0.01	0.23	-1.72	1	0	-13	0					0	0	0	0	P
			C		7.49Y	124.9	-0.01	1.10	-1.70	1	0	-13	0					0	0	0	0	
	PL.29545	PL.29261	A	1/0EPRJCN	7.48Y	124.6	0.00	1.40	2.82	1	21	-1	-100	0.00	0.0	6.652	0.047	0	0	0	5	
	PD.1520	PL.29545	A	fuse6AMP	7.48Y	124.6	0.00	1.40	2.82	48	21	-1	-100	0.00	0.0	6.652	0.000	0	0	0	5	
	PL.29546	PD.1520	A	1/0EPRJCN	7.48Y	124.6	0.00	1.40	2.82	1	21	-1	-100	0.00	0.0	6.664	0.012	0	0	0	5	
	PL.23612	PL.29546	A	1/0EPRJCN	7.48Y	124.6	0.00	1.40	2.82	1	21	0	100	0.00	0.0	6.716	0.051	0	0	0	5	
	463201	PL.23612	A	Consumer	7.48Y	124.6	0.00	1.40	0.59	0	4	0	100	0.00	0.0	6.716	0.000	4	0	1	1	
	PL.23610	PL.23612	A	1/0EPRJCN	7.48Y	124.6	0.00	1.40	2.23	1	17	0	100	0.00	0.0	6.747	0.032	0	0	0	4	
	PL.23611	PL.23610	A	1/0EPRJCN	7.48Y	124.6	0.00	1.40	1.24	1	9	0	100	0.00	0.0	6.791	0.044	0	0	0	2	
	PL.23614	PL.23611	A	1/0EPRJCN	7.48Y	124.6	0.00	1.40	1.09	1	8	0	100	0.00	0.0	6.839	0.048	0	0	0	1	
	463302	PL.23614	A	Consumer	7.48Y	124.6	0.00	1.40	1.09	0	8	0	100	0.00	0.0	6.839	0.000	8	0	1	1	
	462201	PL.23611	A	Consumer	7.48Y	124.6	0.00	1.40	0.15	0	1	0	100	0.00	0.0	6.791	0.000	1	0	1	1	
	PL.22605	PL.23610	A	1/0EPRJCN	7.48Y	124.6	0.00	1.40	0.98	1	7	0	100	0.00	0.0	6.777	0.030	0	0	0	2	
	463202	PL.22605	A	Consumer	7.48Y	124.6	0.00	1.40	0.56	0	4	0	100	0.00	0.0	6.777	0.000	4	0	1	1	
	PL.22606	PL.22605	A	1/0EPRJCN	7.48Y	124.6	0.00	1.40	0.43	0	3	0	100	0.00	0.0	6.794	0.017	0	0	0	1	
	PL.23613	PL.22606	A	1/0EPRJCN	7.48Y	124.6	0.00	1.40	0.43	0	3	0	100	0.00	0.0	6.813	0.019	0	0	0	1	
	463203	PL.23613	A	Consumer	7.48Y	124.6	0.00	1.40	0.43	0	3	0	100	0.00	0.0	6.813	0.000	3	0	1	1	
	463301	PL.23613	A	Consumer	7.48Y	124.6	0.00	1.40	0.00	0	0	0	100	0.00	0.0	6.813	0.000	0	0	0	0	
	PL.29262	PL.29261	A	1/0EPRJCN	7.47Y	124.4	0.17	1.57	8.85	5	65	-12	-98	0.10	0.2	7.756	1.150	0	0	0	17	
P			B		7.55Y	125.8	-0.02	0.20	-1.54	1	0	-12	0					0	0	0	0	P
			C		7.50Y	124.9	-0.02	1.08	-1.53	1	0	-11	0					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: CAVE RUN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.29259	PL.29262	A	1/0EPRJCN	7.46Y	124.4	0.05	1.61	8.74	5	65	-7	-99	0.03	0.0	8.071	0.315	0	0	0	17
P		B		7.55Y	125.8	-0.01	0.20	-0.81	0	0	-6	0					0	0	0	0 P
		C		7.50Y	124.9	-0.01	1.07	-0.81	0	0	-6	0					0	0	0	0
PL.29260	PL.29259	A	1/0EPRJCN	7.46Y	124.4	0.01	1.63	8.72	5	65	-6	-100	0.01	0.0	8.164	0.093	0	0	0	17
P		B		7.55Y	125.8	-0.00	0.20	-0.61	0	0	-5	0					0	0	0	0 P
		C		7.50Y	124.9	-0.00	1.07	-0.61	0	0	-5	0					0	0	0	0
PL.29263	PL.29260	A	1/0EPRJCN	7.45Y	124.2	0.14	1.76	8.72	5	65	-5	-100	0.07	0.1	9.046	0.882	0	0	0	17
P		B		7.55Y	125.8	-0.01	0.18	-0.56	0	0	-4	0					0	0	0	0 P
		C		7.50Y	124.9	-0.01	1.06	-0.55	0	0	-4	0					0	0	0	0
PL.29527	PL.29263	A	1/0EPRJCN	7.45Y	124.2	0.05	1.81	8.69	5	65	-1	-100	0.03	0.0	9.329	0.283	0	0	0	17
PL.29528	PL.29527	A	1/0EPRJCN	7.45Y	124.1	0.04	1.85	8.58	5	64	0	100	0.02	0.0	9.546	0.217	0	0	0	16
463401	PL.29528	A	Consumer	7.45Y	124.1	0.00	1.85	0.00	0	0	0	100	0.00	0.0	9.546	0.000	0	0	1	1
463503	PL.29528	A	Consumer	7.45Y	124.1	0.00	1.85	1.52	0	11	0	100	0.00	0.0	9.546	0.000	11	0	1	1
PL.20310	PL.29528	A	4ACSR	7.45Y	124.1	0.00	1.85	7.06	4	53	0	100	0.00	0.0	9.548	0.002	0	0	0	14
PD.3529	PL.20310	A	15H	7.45Y	124.1	0.00	1.85	7.06	47	53	0	100	0.00	0.0	9.548	0.000	0	0	0	14
PL.20311	PD.3529	A	4ACSR	7.44Y	124.1	0.07	1.93	7.06	4	53	0	100	0.03	0.1	9.807	0.259	0	0	0	14
PL.24915	PL.20311	A	4ACSR	7.44Y	124.0	0.03	1.96	7.05	4	52	0	100	0.01	0.0	9.929	0.121	0	0	0	13
PL.18968	PL.24915	A	4ACSR	7.44Y	124.0	0.00	1.96	6.82	4	51	0	100	0.00	0.0	9.944	0.015	0	0	0	12
PD.415-A	PL.18968	A	Closed	7.44Y	124.0	0.00	1.96	6.82	0	51	0	100	0.00	0.0	9.944	0.000	0	0	0	12
PD.415-B	PD.415-A	A	Closed	7.44Y	124.0	0.00	1.96	6.82	0	51	0	100	0.00	0.0	9.944	0.000	0	0	0	12
PL.32722	PD.415-B	A	4ACSR	7.44Y	123.9	0.10	2.06	6.82	4	51	0	100	0.04	0.1	10.308	0.363	0	0	0	12
P PL.32721	PL.32722	A	1/0EPRJCN	7.44Y	123.9	-0.00	2.06	0.10	0	0	-1	0	0.00	0.0	10.467	0.160	0	0	0	1 P
4644011	PL.32721	A	Consumer	7.44Y	123.9	0.00	2.06	0.02	0	0	0	100	0.00	0.0	10.467	0.000	0	0	1	1
PL.32723	PL.32722	A	4ACSR	7.43Y	123.9	0.07	2.13	6.80	4	51	1	100	0.03	0.1	10.549	0.242	0	0	0	11
PL.18896	PL.32723	A	4ACSR	7.43Y	123.8	0.11	2.24	6.80	4	51	1	100	0.05	0.1	10.962	0.413	0	0	0	11
PD.416-A	PL.18896	A	Closed	7.43Y	123.8	0.00	2.24	6.80	0	50	1	100	0.00	0.0	10.962	0.000	0	0	0	11
PD.416-B	PD.416-A	A	Closed	7.43Y	123.8	0.00	2.24	6.80	0	50	1	100	0.00	0.0	10.962	0.000	0	0	0	11
PL.19978	PD.416-B	A	4ACSR	7.43Y	123.8	0.01	2.25	6.80	4	50	1	100	0.00	0.0	10.985	0.023	0	0	0	11
464408	PL.19978	A	Consumer	7.43Y	123.8	0.00	2.25	0.00	0	0	0	100	0.00	0.0	10.985	0.000	0	0	1	1
PL.19979	PL.19978	A	4ACSR	7.42Y	123.7	0.01	2.26	6.80	4	50	1	100	0.00	0.0	11.012	0.026	0	0	0	10
PL.40912	PL.19979	A	4ACSR	7.42Y	123.7	0.00	2.26	0.09	0	1	0	100	0.00	0.0	11.020	0.009	0	0	0	1
PD.7290	PL.40912	A	fuse6AMP	7.42Y	123.7	0.00	2.26	0.09	2	1	0	100	0.00	0.0	11.020	0.000	0	0	0	1
PL.40913	PD.7290	A	4ACSR	7.42Y	123.7	0.00	2.26	0.09	0	1	0	100	0.00	0.0	11.082	0.062	0	0	0	1
464410	PL.40913	A	Consumer	7.42Y	123.7	0.00	2.26	0.09	0	1	0	100	0.00	0.0	11.082	0.000	1	0	1	1
PL.9608	PL.19979	A	4ACSR	7.42Y	123.7	0.03	2.29	4.48	2	33	1	100	0.01	0.0	11.200	0.189	0	0	0	5
PL.9609	PL.9608	A	4ACSR	7.42Y	123.7	0.00	2.29	1.23	1	9	0	100	0.00	0.0	11.212	0.012	0	0	0	3
PL.9610	PL.9609	A	4ACSR	7.42Y	123.7	0.00	2.29	1.23	1	9	0	100	0.00	0.0	11.249	0.037	0	0	0	3
PL.9611	PL.9610	A	4ACSR	7.42Y	123.7	0.00	2.29	1.23	1	9	0	100	0.00	0.0	11.290	0.041	0	0	0	2
465401	PL.9611	A	Consumer	7.42Y	123.7	0.00	2.29	1.06	0	8	0	100	0.00	0.0	11.290	0.000	8	0	1	1
PL.24916	PL.9611	A	4ACSR	7.42Y	123.7	0.00	2.30	0.18	0	1	0	100	0.00	0.0	11.492	0.202	0	0	0	1
PL.2915	PL.24916	A	1/0EPRJCN	7.42Y	123.7	0.00	2.30	0.18	0	1	0	100	0.00	0.0	11.596	0.103	0	0	0	1

Unbalanced Voltage Drop Report
Source: CAVE RUN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
	465405	PL.2915	A	Consumer	7.42Y	123.7	0.00	2.30	0.17	0	1	0	100	0.00	0.0	11.596	0.000	1	0	1	1
	4654008	PL.2915	A	Consumer	7.42Y	123.7	0.00	2.30	0.00	0	0	0	100	0.00	0.0	11.596	0.000	0	0	0	0
	465404	PL.9610	A	Consumer	7.42Y	123.7	0.00	2.29	0.00	0	0	0	100	0.00	0.0	11.249	0.000	0	0	1	1
	PL.29316	PL.9608	A	4ACSR	7.42Y	123.7	0.01	2.30	3.25	2	24	1	100	0.00	0.0	11.296	0.095	0	0	0	2
	464406	PL.29316	A	Consumer	7.42Y	123.7	0.00	2.30	0.00	0	0	0	100	0.00	0.0	11.296	0.000	0	0	1	1
	464407	PL.29316	A	Consumer	7.42Y	123.7	0.00	2.30	3.25	0	24	1	100	0.00	0.0	11.296	0.000	24	1	1	1
	464402	PL.19979	A	Consumer	7.42Y	123.7	0.00	2.26	0.76	0	6	0	100	0.00	0.0	11.012	0.000	6	0	1	1
	464409	PL.19979	A	Consumer	7.42Y	123.7	0.00	2.26	0.07	0	1	0	100	0.00	0.0	11.012	0.000	1	0	1	1
	464403	PL.19979	A	Consumer	7.42Y	123.7	0.00	2.26	0.99	0	7	0	100	0.00	0.0	11.012	0.000	7	0	1	1
	464404	PL.19979	A	Consumer	7.42Y	123.7	0.00	2.26	0.40	0	3	0	100	0.00	0.0	11.012	0.000	3	0	1	1
	463501	PL.24915	A	Consumer	7.44Y	124.0	0.00	1.96	0.23	0	2	0	100	0.00	0.0	9.929	0.000	2	0	1	1
	464502	PL.24915	A	Consumer	7.44Y	124.0	0.00	1.96	0.00	0	0	0	100	0.00	0.0	9.929	0.000	0	0	0	0
	463405	PL.20311	A	Consumer	7.44Y	124.1	0.00	1.93	0.01	0	0	0	100	0.00	0.0	9.807	0.000	0	0	1	1
	463504	PL.20311	A	Consumer	7.44Y	124.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	9.807	0.000	0	0	0	0
	463408	PL.29527	A	Consumer	7.45Y	124.2	0.00	1.81	0.12	0	1	0	100	0.00	0.0	9.329	0.000	1	0	1	1
P	PL.29257	PL.29423	A	1/0EPRJCN	7.49Y	124.8	-0.00	1.24	1.64	1	5	-11	-41	0.01	0.0	6.422	0.573	0	0	0	5 P
			B		7.54Y	125.7	0.04	0.29	3.91	2	29	-5	-98					0	0	0	16
P			C		7.49Y	124.9	-0.00	1.12	1.67	1	4	-12	-32					0	0	0	7 P
	PL.29255	PL.29257	A	1/0EPRJCN	7.49Y	124.8	-0.00	1.24	1.33	1	5	-8	-53	0.01	0.0	6.694	0.272	0	0	0	5
			B		7.54Y	125.7	0.02	0.30	3.86	2	29	-3	-100					0	0	0	16
P			C		7.49Y	124.9	-0.00	1.12	1.33	1	4	-9	-41					0	0	0	7 P
	PL.29600	PL.29255	A	1/0EPRJCN	7.49Y	124.8	0.00	1.24	0.21	0	2	0	100	0.00	0.0	6.724	0.030	0	0	0	1
	PL.29599	PL.29600	A	1/0EPRJCN	7.49Y	124.8	0.00	1.24	0.21	0	2	0	100	0.00	0.0	6.740	0.017	0	0	0	1
	PL.29629	PL.29599	A	1/0EPRJCN	7.49Y	124.8	0.00	1.24	0.21	0	2	0	100	0.00	0.0	6.764	0.024	0	0	0	1
	PL.29558	PL.29629	A	1/0EPRJCN	7.49Y	124.8	0.00	1.24	0.22	0	2	0	100	0.00	0.0	6.785	0.021	0	0	0	1
	PL.29557	PL.29558	A	1/0EPRJCN	7.49Y	124.8	0.00	1.24	0.22	0	2	0	100	0.00	0.0	6.843	0.058	0	0	0	1
	453903	PL.29557	A	Consumer	7.49Y	124.8	0.00	1.24	0.23	0	2	1	89	0.00	0.0	6.843	0.000	2	1	1	1
P	PL.29441	PL.29255	A	1/0EPRJCN	7.49Y	124.8	-0.00	1.24	1.08	1	4	-7	-50	0.00	0.0	6.900	0.206	0	0	0	4 P
			B		7.54Y	125.7	0.01	0.32	3.84	2	29	-1	-100					0	0	0	16
P			C		7.49Y	124.9	-0.00	1.12	1.18	1	4	-8	-46					0	0	0	7 P
P	PL.29523	PL.29441	B	1/0EPRJCN	7.54Y	125.7	-0.00	0.32	-0.04	0	0	0	100	0.00	0.0	6.955	0.055	0	0	0	1 P
P	PL.29314	PL.29523	B	1/0EPRJCN	7.54Y	125.7	0.00	0.32	-0.01	0	0	0	100	0.00	0.0	6.965	0.009	0	0	0	1 P
	453912	PL.29314	B	Consumer	7.54Y	125.7	0.00	0.32	0.00	0	0	0	100	0.00	0.0	6.965	0.000	0	0	1	1
	PL.29598	PL.29441	B	1/0EPRJCN	7.54Y	125.7	0.00	0.32	3.34	2	23	10	92	0.00	0.0	6.934	0.034	0	0	0	2
	PL.29506	PL.29598	B	1/0EPRJCN	7.54Y	125.7	0.00	0.32	3.34	2	23	10	92	0.00	0.0	6.970	0.035	0	0	0	2
	PL.29504	PL.29506	B	1/0EPRJCN	7.54Y	125.7	0.00	0.33	3.35	2	23	10	92	0.00	0.0	7.013	0.043	0	0	0	2
	PL.29505	PL.29504	B	1/0EPRJCN	7.54Y	125.7	0.00	0.33	3.36	2	23	11	90	0.00	0.0	7.067	0.055	0	0	0	2
	PL.2615	PL.29505	B	1/0EPRJCN	7.54Y	125.7	0.00	0.33	3.38	2	23	11	90	0.00	0.0	7.123	0.056	0	0	0	2
	452942	PL.2615	B	Consumer	7.54Y	125.7	0.00	0.33	0.00	0	0	0	100	0.00	0.0	7.123	0.000	0	0	1	1
	452926	PL.2615	B	Consumer	7.54Y	125.7	0.00	0.33	3.39	0	23	11	90	0.00	0.0	7.123	0.000	23	11	1	1
	452905	PL.29441	C	Consumer	7.49Y	124.9	0.00	1.12	0.00	0	0	0	100	0.00	0.0	6.900	0.000	0	0	1	1

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

Unbalanced Voltage Drop Report
Source: CAVE RUN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
	452923	PL.29441	C	Consumer	7.49Y	124.9	0.00	1.12	0.06	0	0	0	100	0.00	0.0	6.900	0.000	0	0	1	1	
	PL.29442	PL.29441	A	1/0EPRJCN	7.49Y	124.8	0.00	1.24	0.97	1	4	-6	-55	0.00	0.0	6.971	0.071	0	0	0	4	
			B		7.54Y	125.7	0.00	0.32	1.56	1	6	-10	-50					0	0	0	13	
P			C		7.49Y	124.9	0.00	1.12	1.06	1	4	-7	-46					0	0	0	5	P
	PL.29440	PL.29442	A	1/0EPRJCN	7.49Y	124.8	0.00	1.24	0.93	0	4	-6	-55	0.00	0.0	7.064	0.093	0	0	0	4	
P			B		7.54Y	125.7	0.00	0.32	1.00	1	4	-7	-48					0	0	0	5	P
P			C		7.49Y	124.9	0.00	1.12	1.02	1	4	-7	-48					0	0	0	5	P
	PL.29438	PL.29440	A	1/0EPRJCN	7.49Y	124.8	0.00	1.24	0.88	0	4	-5	-62	0.00	0.0	7.170	0.106	0	0	0	4	
			B		7.54Y	125.7	0.00	0.32	0.95	1	4	-6	-51					0	0	0	5	
			C		7.49Y	124.9	0.00	1.12	0.97	1	4	-6	-50					0	0	0	5	
P	PL.29503	PL.29438	B	1/0EPRJCN	7.54Y	125.7	-0.00	0.32	-0.05	0	0	0	100	0.00	0.0	7.209	0.039	0	0	0	2	P
P	PL.29632	PL.29503	B	1/0EPRJCN	7.54Y	125.7	-0.00	0.32	-0.02	0	0	0	100	0.00	0.0	7.227	0.018	0	0	0	2	P
P	PL.29172	PL.29632	B	1/0EPRJCN	7.54Y	125.7	0.00	0.32	-0.01	0	0	0	100	0.00	0.0	7.244	0.016	0	0	0	0	P
	453913	PL.29632	B	Consumer	7.54Y	125.7	0.00	0.32	0.00	0	0	0	100	0.00	0.0	7.227	0.000	0	0	1	1	
	452924	PL.29632	B	Consumer	7.54Y	125.7	0.00	0.32	0.00	0	0	0	100	0.00	0.0	7.227	0.000	0	0	1	1	
	PL.29439	PL.29438	A	1/0EPRJCN	7.49Y	124.8	0.00	1.24	0.83	0	4	-5	-62	0.00	0.0	7.263	0.093	0	0	0	4	
			B		7.54Y	125.7	0.00	0.32	0.86	0	4	-5	-56					0	0	0	3	
			C		7.49Y	124.9	0.00	1.12	0.92	0	4	-6	-53					0	0	0	5	
	PL.29596	PL.29439	A	1/0EPRJCN	7.49Y	124.8	-0.00	1.24	0.78	0	4	-5	-62	0.00	0.0	7.265	0.001	0	0	0	4	
			B		7.54Y	125.7	0.00	0.32	0.81	0	4	-5	-60					0	0	0	3	
			C		7.49Y	124.9	0.00	1.12	0.87	0	4	-5	-56					0	0	0	5	
	PL.29624	PL.29596	C	1/0EPRJCN	7.49Y	124.9	-0.00	1.12	-0.09	0	0	-1	0	0.00	0.0	7.280	0.015	0	0	0	2	
	PL.29502	PL.29624	C	1/0EPRJCN	7.49Y	124.9	-0.00	1.12	-0.08	0	0	-1	0	0.00	0.0	7.300	0.021	0	0	0	2	
	PL.29501	PL.29502	C	1/0EPRJCN	7.49Y	124.9	-0.00	1.12	-0.07	0	0	-1	0	0.00	0.0	7.374	0.074	0	0	0	2	
	PL.29500	PL.29501	C	1/0EPRJCN	7.49Y	124.9	-0.00	1.12	-0.02	0	0	0	100	0.00	0.0	7.412	0.037	0	0	0	2	
	452938	PL.29500	C	Consumer	7.49Y	124.9	0.00	1.12	0.00	0	0	0	100	0.00	0.0	7.412	0.000	0	0	1	1	
	452935	PL.29500	C	Consumer	7.49Y	124.9	0.00	1.12	0.00	0	0	0	100	0.00	0.0	7.412	0.000	0	0	0	0	
	452920	PL.29500	C	Consumer	7.49Y	124.9	0.00	1.12	0.00	0	0	0	100	0.00	0.0	7.412	0.000	0	0	1	1	
	PL.2803	PL.29596	A	1/0EPRJCN	7.49Y	124.8	-0.00	1.24	-0.01	0	0	0	100	0.00	0.0	7.286	0.021	0	0	0	1	
	452941	PL.2803	A	Consumer	7.49Y	124.8	0.00	1.24	0.00	0	0	0	100	0.00	0.0	7.286	0.000	0	0	1	1	
	PL.29537	PL.29596	A	1/0EPRJCN	7.49Y	124.8	0.00	1.24	0.77	0	4	-4	-71	0.00	0.0	7.415	0.151	0	0	0	3	
			B		7.54Y	125.7	0.00	0.32	0.81	0	4	-5	-60					0	0	0	3	
			C		7.49Y	124.9	0.00	1.12	0.79	0	4	-5	-61					0	0	0	3	
P	PL.29544	PL.29537	A	1/0EPRJCN	7.49Y	124.8	-0.00	1.24	0.50	0	0	-4	0	0.00	0.0	7.487	0.071	0	0	0	2	P
P			B		7.54Y	125.7	-0.00	0.32	-0.59	0	0	-4	0					0	0	0	3	P
P			C		7.49Y	124.9	-0.00	1.12	-0.57	0	0	-4	0					0	0	0	3	P
P	PL.29436	PL.29544	A	2ALUD	7.49Y	124.8	-0.00	1.24	0.46	0	0	-3	0	0.00	0.0	7.539	0.053	0	0	0	2	P
P			B		7.54Y	125.7	-0.00	0.32	-0.54	0	0	-4	0					0	0	0	3	P
P			C		7.49Y	124.9	-0.00	1.12	-0.52	0	0	-4	0					0	0	0	3	P
P	PL.29250	PL.29436	A	2ALUD	7.49Y	124.8	0.00	1.24	0.04	0	0	0	100	0.00	0.0	7.613	0.074	0	0	0	1	P
	452915	PL.29250	A	Consumer	7.49Y	124.8	0.00	1.24	0.01	0	0	0	100	0.00	0.0	7.613	0.000	0	0	1	1	
P	PL.29437	PL.29436	A	2ALUD	7.49Y	124.8	-0.00	1.24	-0.38	0	0	-3	0	0.00	0.0	7.563	0.024	0	0	0	1	P
P			B		7.54Y	125.7	-0.00	0.32	-0.51	0	0	-4	0					0	0	0	3	P
P			C		7.49Y	124.9	-0.00	1.12	-0.49	0	0	-4	0					0	0	0	3	P
P	PL.29630	PL.29437	B	2ALUD	7.54Y	125.7	-0.00	0.32	-0.09	0	0	-1	0	0.00	0.0	7.581	0.017	0	0	0	2	P
	452901	PL.29630	B	Consumer	7.54Y	125.7	0.00	0.32	0.00	0	0	0	100	0.00	0.0	7.581	0.000	0	0	1	1	
P	PL.29249	PL.29630	B	2ALUD	7.54Y	125.7	-0.00	0.32	-0.08	0	0	-1	0	0.00	0.0	7.639	0.058	0	0	0	1	P

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: CAVE RUN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
P	PL.29248	PL.29249	B	2ALUD	7.54Y	125.7	-0.00	0.32	-0.04	0	0	0	100	0.00	0.0	7.690	0.051	0	0	0	1	P
P	PL.29247	PL.29248	B	2ALUD	7.54Y	125.7	-0.00	0.32	-0.01	0	0	0	100	0.00	0.0	7.709	0.019	0	0	0	1	P
	452902	PL.29247	B	Consumer	7.54Y	125.7	0.00	0.32	0.00	0	0	0	100	0.00	0.0	7.709	0.000	0	0	1	1	
P	PL.29435	PL.29437	A	2ALUD	7.49Y	124.8	-0.00	1.24	-0.37	0	0	-3	0	0.00	0.0	7.686	0.123	0	0	0	1	P
P			B		7.54Y	125.7	-0.00	0.32	-0.40	0	0	-3	0					0	0	0	1	P
P			C		7.49Y	124.9	-0.00	1.12	-0.40	0	0	-3	0					0	0	0	2	P
P	PL.29605	PL.29435	B	2ALUD	7.54Y	125.7	-0.00	0.32	-0.06	0	0	0	100	0.00	0.0	7.715	0.029	0	0	0	1	P
P	PL.29601	PL.29605	B	2ALUD	7.54Y	125.7	-0.00	0.32	-0.04	0	0	0	100	0.00	0.0	7.748	0.032	0	0	0	1	P
P	PL.29604	PL.29601	B	2ALUD	7.54Y	125.7	-0.00	0.32	-0.02	0	0	0	100	0.00	0.0	7.774	0.027	0	0	0	1	P
	452922	PL.29604	B	Consumer	7.54Y	125.7	0.00	0.32	0.00	0	0	0	100	0.00	0.0	7.774	0.000	0	0	1	1	
P	PL.29434	PL.29435	A	2ALUD	7.49Y	124.8	-0.00	1.24	-0.29	0	0	-2	0	0.00	0.0	7.772	0.086	0	0	0	1	P
P			B		7.54Y	125.7	-0.00	0.32	-0.26	0	0	-2	0					0	0	0	0	P
P			C		7.49Y	124.9	-0.00	1.12	-0.32	0	0	-2	0					0	0	0	2	P
	PL.29602	PL.29434	C	2ALUD	7.49Y	124.9	-0.00	1.12	-0.06	0	0	0	100	0.00	0.0	7.826	0.054	0	0	0	2	
	PL.29288	PL.29602	C	2ALUD	7.49Y	124.9	-0.00	1.12	-0.02	0	0	0	100	0.00	0.0	7.846	0.020	0	0	0	2	
	PL.29606	PL.29288	C	2ALUD	7.49Y	124.9	0.00	1.12	-0.01	0	0	0	100	0.00	0.0	7.862	0.016	0	0	0	2	
	452940	PL.29606	C	Consumer	7.49Y	124.9	0.00	1.12	0.00	0	0	0	100	0.00	0.0	7.862	0.000	0	0	1	1	
	452936	PL.29606	C	Consumer	7.49Y	124.9	0.00	1.12	0.00	0	0	0	100	0.00	0.0	7.862	0.000	0	0	1	1	
	452921	PL.29606	C	Consumer	7.49Y	124.9	0.00	1.12	0.00	0	0	0	100	0.00	0.0	7.862	0.000	0	0	0	0	
	PL.29603	PL.29434	A	2ALUD	7.49Y	124.8	-0.00	1.24	-0.03	0	0	0	100	0.00	0.0	7.818	0.046	0	0	0	1	
	452916	PL.29603	A	Consumer	7.49Y	124.8	0.00	1.24	0.00	0	0	0	100	0.00	0.0	7.818	0.000	0	0	1	1	
	PL.30941	PL.29434	A	2ALUD	7.49Y	124.8	-0.00	1.24	-0.20	0	0	-2	0	0.00	0.0	8.091	0.319	0	0	0	0	
P			B		7.54Y	125.7	-0.00	0.32	-0.21	0	0	-2	0					0	0	0	0	P
P			C		7.49Y	124.9	-0.00	1.12	-0.20	0	0	-2	0					0	0	0	0	P
P	PL.29246	PL.29437	C	2ALUD	7.49Y	124.9	-0.00	1.12	-0.08	0	0	-1	0	0.00	0.0	7.637	0.074	0	0	0	1	P
P	PL.29245	PL.29246	C	2ALUD	7.49Y	124.9	-0.00	1.12	-0.03	0	0	0	100	0.00	0.0	7.684	0.047	0	0	0	1	P
	452801	PL.29245	C	Consumer	7.49Y	124.9	0.00	1.12	0.00	0	0	0	100	0.00	0.0	7.684	0.000	0	0	1	1	
	PL.29597	PL.29537	A	1/0EPRJCN	7.49Y	124.8	0.00	1.24	0.49	0	4	0	100	0.00	0.0	7.445	0.030	0	0	0	1	
			B		7.54Y	125.7	0.00	0.32	0.48	0	4	0	100					0	0	0	0	
			C		7.49Y	124.9	0.00	1.12	0.49	0	4	0	100					0	0	0	0	
	PL.29309	PL.29597	A	1/0EPRJCN	7.49Y	124.8	0.00	1.24	0.49	0	4	0	100	0.00	0.0	7.478	0.033	0	0	0	1	
			B		7.54Y	125.7	0.00	0.32	0.49	0	4	0	99					0	0	0	0	
			C		7.49Y	124.9	0.00	1.12	0.49	0	4	0	99					0	0	0	0	
	PL.29307	PL.29309	A	1/0EPRJCN	7.49Y	124.8	0.00	1.24	0.49	0	4	1	97	0.00	0.0	7.562	0.084	0	0	0	0	
			B		7.54Y	125.7	0.00	0.32	0.49	0	4	1	99					0	0	0	0	
			C		7.49Y	124.9	0.00	1.12	0.49	0	4	1	99					0	0	0	0	
	PL.29306	PL.29307	A	1/0EPRJCN	7.49Y	124.8	0.00	1.24	0.50	0	4	1	97	0.00	0.0	7.675	0.113	0	0	0	0	
			B		7.54Y	125.7	0.00	0.32	0.50	0	4	1	97					0	0	0	0	
			C		7.49Y	124.9	0.00	1.12	0.50	0	4	1	97					0	0	0	0	
	453901	PL.29306	A	Consumer	7.49Y	124.8	0.00	1.24	0.54	0	4	2	89	0.00	0.0	7.675	0.000	4	2	0	0	
			B		7.54Y	125.7	0.00	0.32	0.54	0	4	2	90					4	2	0	0	
			C		7.49Y	124.9	0.00	1.12	0.54	0	4	2	90					4	2	0	0	
	PL.29308	PL.29306	A	1/0EPRJCN	7.49Y	124.8	-0.00	1.24	-0.04	0	0	0	100	0.00	0.0	7.735	0.060	0	0	0	0	
P			B		7.54Y	125.7	-0.00	0.32	-0.04	0	0	0	0					0	0	0	0	P
			C		7.49Y	124.9	-0.00	1.12	-0.04	0	0	0	0					0	0	0	0	
	PL.29311	PL.29309	A	1/0EPRJCN	7.49Y	124.8	-0.00	1.24	-0.03	0	0	0	100	0.00	0.0	7.501	0.022	0	0	0	1	
	PL.29310	PL.29311	A	1/0EPRJCN	7.49Y	124.8	-0.00	1.24	-0.02	0	0	0	100	0.00	0.0	7.527	0.027	0	0	0	1	

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

Unbalanced Voltage Drop Report
Source: CAVE RUN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
453902	PL.29310	A	Consumer	7.49Y	124.8	0.00	1.24	0.00	0	0	0	100	0.00	0.0	7.527	0.000	0	0	1	1
PL.29625	PL.29442	B	1/0EPRJCN	7.54Y	125.7	0.00	0.32	0.52	0	2	-3	-55	0.00	0.0	7.010	0.039	0	0	0	8
452903	PL.29625	B	Consumer	7.54Y	125.7	0.00	0.32	0.33	0	2	1	89	0.00	0.0	7.010	0.000	2	1	1	1
P PL.29556	PL.29625	B	1/0EPRJCN	7.54Y	125.7	-0.00	0.32	0.54	0	0	-4	0	0.00	0.0	7.026	0.016	0	0	0	7 P
P PL.29236	PL.29556	B	1/0EPRJCN	7.54Y	125.7	-0.00	0.32	0.26	0	0	-2	0	0.00	0.0	7.059	0.033	0	0	0	4 P
P PD.400-A	PL.29236	B	Closed	7.54Y	125.7	0.00	0.32	0.24	0	0	-2	0	0.00	0.0	7.059	0.000	0	0	0	4 P
P PD.400-B	PD.400-A	B	Closed	7.54Y	125.7	0.00	0.32	0.24	0	0	-2	0	0.00	0.0	7.059	0.000	0	0	0	4 P
P PL.29616	PD.400-B	B	1/0EPRJCN	7.54Y	125.7	-0.00	0.32	0.24	0	0	-2	0	0.00	0.0	7.060	0.001	0	0	0	4 P
P PL.29554	PL.29616	B	1/0EPRJCN	7.54Y	125.7	-0.00	0.32	-0.16	0	0	-1	0	0.00	0.0	7.127	0.067	0	0	0	2 P
P PL.29553	PL.29554	B	1/0EPRJCN	7.54Y	125.7	-0.00	0.32	-0.12	0	0	-1	0	0.00	0.0	7.160	0.033	0	0	0	2 P
P PL.29552	PL.29553	B	1/0EPRJCN	7.54Y	125.7	-0.00	0.32	-0.10	0	0	-1	0	0.00	0.0	7.179	0.019	0	0	0	2 P
P PL.29551	PL.29552	B	1/0EPRJCN	7.54Y	125.7	-0.00	0.32	-0.09	0	0	-1	0	0.00	0.0	7.232	0.053	0	0	0	2 P
P PL.29550	PL.29551	B	1/0EPRJCN	7.54Y	125.7	-0.00	0.32	-0.05	0	0	0	100	0.00	0.0	7.253	0.022	0	0	0	2 P
P PL.29549	PL.29550	B	1/0EPRJCN	7.54Y	125.7	-0.00	0.32	-0.04	0	0	0	100	0.00	0.0	7.316	0.062	0	0	0	2 P
453908	PL.29549	B	Consumer	7.54Y	125.7	0.00	0.32	0.00	0	0	0	100	0.00	0.0	7.316	0.000	0	0	1	1
453909	PL.29549	B	Consumer	7.54Y	125.7	0.00	0.32	0.00	0	0	0	100	0.00	0.0	7.316	0.000	0	0	1	1
P PL.29312	PL.29616	B	1/0EPRJCN	7.54Y	125.7	-0.00	0.32	0.08	0	0	-1	0	0.00	0.0	7.123	0.063	0	0	0	2 P
P PL.29555	PL.29312	B	1/0EPRJCN	7.54Y	125.7	-0.00	0.32	0.04	0	0	0	100	0.00	0.0	7.156	0.033	0	0	0	2 P
P PL.29313	PL.29555	B	1/0EPRJCN	7.54Y	125.7	0.00	0.32	0.02	0	0	0	100	0.00	0.0	7.193	0.037	0	0	0	2 P
453907	PL.29313	B	Consumer	7.54Y	125.7	0.00	0.32	0.00	0	0	0	100	0.00	0.0	7.193	0.000	0	0	1	1
453906	PL.29313	B	Consumer	7.54Y	125.7	0.00	0.32	0.01	0	0	0	100	0.00	0.0	7.193	0.000	0	0	1	1
P PL.29242	PL.29556	B	1/0EPRJCN	7.54Y	125.7	-0.00	0.32	-0.27	0	0	-2	0	0.00	0.0	7.055	0.029	0	0	0	3 P
P PL.29389	PL.29242	B	1/0EPRJCN	7.54Y	125.7	-0.00	0.32	-0.25	0	0	-2	0	0.00	0.0	7.157	0.102	0	0	0	2 P
P PL.29305	PL.29389	B	1/0EPRJCN	7.54Y	125.7	-0.00	0.32	-0.19	0	0	-1	0	0.00	0.0	7.291	0.134	0	0	0	2 P
P PL.29304	PL.29305	B	1/0EPRJCN	7.54Y	125.7	-0.00	0.32	-0.10	0	0	-1	0	0.00	0.0	7.324	0.033	0	0	0	2 P
P PL.29303	PL.29304	B	1/0EPRJCN	7.54Y	125.7	-0.00	0.32	-0.08	0	0	-1	0	0.00	0.0	7.352	0.028	0	0	0	2 P
P PL.29302	PL.29303	B	1/0EPRJCN	7.54Y	125.7	-0.00	0.32	-0.07	0	0	0	100	0.00	0.0	7.422	0.071	0	0	0	2 P
P PL.29301	PL.29302	B	1/0EPRJCN	7.54Y	125.7	-0.00	0.32	-0.02	0	0	0	100	0.00	0.0	7.455	0.033	0	0	0	2 P
453911	PL.29301	B	Consumer	7.54Y	125.7	0.00	0.32	0.00	0	0	0	100	0.00	0.0	7.455	0.000	0	0	1	1
453904	PL.29301	B	Consumer	7.54Y	125.7	0.00	0.32	0.00	0	0	0	100	0.00	0.0	7.455	0.000	0	0	1	1
453914	PL.29242	B	Consumer	7.54Y	125.7	0.00	0.32	0.00	0	0	0	100	0.00	0.0	7.055	0.000	0	0	1	1
PL.29258	PL.27266	A	1/0EPRJCN	7.49Y	124.8	0.04	1.16	9.28	5	65	25	93	0.11	0.0	5.451	0.272	0	0	0	5
		B		7.54Y	125.7	0.04	0.27	10.73	6	78	23	96					0	0	0	8
		C		7.49Y	124.8	0.08	1.22	15.97	8	111	44	93					0	0	0	11
PL.29424	PL.29258	A	1/0EPRJCN	7.49Y	124.8	0.01	1.17	9.34	5	65	26	93	0.03	0.0	5.528	0.077	0	0	0	5
		B		7.54Y	125.7	0.01	0.29	10.78	6	77	25	95					0	0	0	8
		C		7.49Y	124.8	0.02	1.24	16.03	8	111	45	93					0	0	0	11
PL.29425	PL.29424	A	1/0EPRJCN	7.49Y	124.8	0.02	1.19	9.36	5	65	27	92	0.05	0.0	5.672	0.144	0	0	0	5
		B		7.54Y	125.7	0.01	0.30	7.06	4	47	25	89					0	0	0	0
		C		7.48Y	124.7	0.04	1.28	16.05	8	111	45	93					0	0	0	11

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

Unbalanced Voltage Drop Report
Source: CAVE RUN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PL.29427	PL.29425	A	1/0EPRJCN	7.49Y	124.8	0.01	1.20	9.40	5	65	28	92	0.03	0.0	5.742	0.070	0	0	0	5	
		B		7.54Y	125.7	0.01	0.31	7.10	4	47	25	88					0	0	0	0	
		C		7.48Y	124.7	0.02	1.30	16.06	8	111	46	92					0	0	0	10	
PL.2800	PL.29427	A	1/0EPRJCN	7.49Y	124.8	0.00	1.20	1.76	1	13	0	100	0.00	0.0	5.773	0.030	0	0	0	2	
452934	PL.2800	A	Consumer	7.49Y	124.8	0.00	1.20	0.99	0	7	0	100	0.00	0.0	5.773	0.000	7	0	1	1	
452937	PL.2800	A	Consumer	7.49Y	124.8	0.00	1.20	0.78	0	6	0	100	0.00	0.0	5.773	0.000	6	0	1	1	
PL.29426	PL.29427	A	1/0EPRJCN	7.49Y	124.8	0.02	1.22	7.81	4	52	28	88	0.05	0.0	5.891	0.148	0	0	0	3	
		B		7.54Y	125.7	0.01	0.32	7.12	4	47	26	88					0	0	0	0	
		C		7.48Y	124.7	0.04	1.34	16.08	8	111	46	92					0	0	0	10	
PL.23213	PL.29426	C	1/0EPRJCN	7.48Y	124.7	0.00	1.35	1.96	1	15	-1	-100	0.00	0.0	5.920	0.029	0	0	0	5	
PL.28063	PL.23213	C	1/0EPRJCN	7.48Y	124.7	0.00	1.35	1.96	1	15	-1	-100	0.00	0.0	5.922	0.002	0	0	0	5	
PD.1042	PL.28063	C	fuse6AMP	7.48Y	124.7	0.00	1.35	1.96	33	15	-1	-100	0.00	0.0	5.922	0.000	0	0	0	5	
PL.28064	PD.1042	C	1/0EPRJCN	7.48Y	124.7	0.00	1.35	1.96	1	15	-1	-100	0.00	0.0	5.996	0.074	0	0	0	5	
PL.27872	PL.28064	C	1/0EPRJCN	7.48Y	124.6	0.00	1.35	1.96	1	15	0	100	0.00	0.0	6.041	0.045	0	0	0	5	
451902	PL.27872	C	Consumer	7.48Y	124.6	0.00	1.35	0.14	0	1	0	100	0.00	0.0	6.041	0.000	1	0	1	1	
451904	PL.27872	C	Consumer	7.48Y	124.6	0.00	1.35	0.15	0	1	0	100	0.00	0.0	6.041	0.000	1	0	1	1	
PL.19436	PL.27872	C	1/0EPRJCN	7.48Y	124.6	0.00	1.35	1.69	1	13	0	100	0.00	0.0	6.106	0.066	0	0	0	3	
PL.19437	PL.19436	C	1/0EPRJCN	7.48Y	124.6	-0.00	1.35	-0.08	0	0	-1	0	0.00	0.0	6.234	0.128	0	0	0	0	
451905	PL.19436	C	Consumer	7.48Y	124.6	0.00	1.35	1.15	0	9	0	100	0.00	0.0	6.106	0.000	9	0	1	1	
451901	PL.19436	C	Consumer	7.48Y	124.6	0.00	1.35	0.01	0	0	0	100	0.00	0.0	6.106	0.000	0	0	1	1	
451903	PL.19436	C	Consumer	7.48Y	124.6	0.00	1.35	0.53	0	4	0	100	0.00	0.0	6.106	0.000	4	0	1	1	
PL.29234	PL.29426	C	1/0EPRJCN	7.48Y	124.7	0.00	1.34	0.59	0	4	0	100	0.00	0.0	5.895	0.005	0	0	0	2	
PD.1045	PL.29234	C	fuse6AMP	7.48Y	124.7	0.00	1.34	0.59	10	4	0	100	0.00	0.0	5.895	0.000	0	0	0	2	
PL.29235	PD.1045	C	1/0EPRJCN	7.48Y	124.7	0.00	1.35	0.59	0	4	0	100	0.00	0.0	5.992	0.096	0	0	0	2	
452919	PL.29235	C	Consumer	7.48Y	124.7	0.00	1.35	0.12	0	1	0	100	0.00	0.0	5.992	0.000	1	0	1	1	
452909	PL.29235	C	Consumer	7.48Y	124.7	0.00	1.35	0.48	0	4	0	100	0.00	0.0	5.992	0.000	4	0	1	1	
PL.29428	PL.29426	A	2ALUD	7.49Y	124.8	0.00	1.22	7.86	4	52	28	88	0.01	0.0	5.914	0.023	0	0	0	3	
		B		7.54Y	125.7	0.00	0.32	7.17	4	47	26	87					0	0	0	0	
		C		7.48Y	124.6	0.01	1.35	13.84	8	92	48	89					0	0	0	3	
PL.29289	PL.29428	A	1/0EPRJCN	7.49Y	124.8	-0.00	1.22	-0.02	0	0	0	100	0.00	0.0	5.944	0.030	0	0	0	0	
P		B		7.54Y	125.7	-0.00	0.32	-0.02	0	0	0	0					0	0	0	0	P
		C		7.48Y	124.6	-0.00	1.35	-0.02	0	0	0	0					0	0	0	0	
PL.29429	PL.29428	A	2ALUD	7.49Y	124.8	0.02	1.24	7.87	4	52	29	87	0.04	0.0	5.999	0.085	0	0	0	3	
		B		7.54Y	125.7	0.01	0.34	7.18	4	47	27	87					0	0	0	0	
		C		7.48Y	124.6	0.03	1.38	13.86	8	92	48	89					0	0	0	3	
PL.29291	PL.29429	C	2ALUD	7.48Y	124.6	0.01	1.39	6.62	4	45	21	91	0.00	0.0	6.031	0.032	0	0	0	3	
PL.29290	PL.29291	C	2ALUD	7.48Y	124.6	0.01	1.40	6.63	4	45	21	91	0.00	0.0	6.063	0.032	0	0	0	3	
452904	PL.29290	C	Consumer	7.48Y	124.6	0.00	1.40	0.23	0	2	1	89	0.00	0.0	6.063	0.000	2	1	1	1	
452925	PL.29290	C	Consumer	7.48Y	124.6	0.00	1.40	2.12	0	14	7	89	0.00	0.0	6.063	0.000	14	7	1	1	
452913	PL.29290	C	Consumer	7.48Y	124.6	0.00	1.40	4.28	0	29	14	90	0.00	0.0	6.063	0.000	29	14	1	1	
PL.29430	PL.29429	A	2ALUD	7.49Y	124.8	0.01	1.25	0.59	0	4	0	100	0.00	0.0	6.399	0.400	0	0	0	3	
P		B		7.54Y	125.7	-0.00	0.34	-0.28	0	0	-2	0					0	0	0	0	P
P		C		7.48Y	124.6	-0.00	1.38	-0.28	0	0	-2	0					0	0	0	0	P

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: CAVE RUN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PL.29431	PL.29430	A	2ALUD	7.49Y	124.8	0.00	1.25	0.63	0	4	2	89	0.00	0.0	6.416	0.017	0	0	0	3	
P		B		7.54Y	125.7	-0.00	0.34	-0.02	0	0	0	0					0	0	0	0	P
		C		7.48Y	124.6	-0.00	1.38	-0.02	0	0	0	0					0	0	0	0	
452914	PL.29431	A	Consumer	7.49Y	124.8	0.00	1.25	0.66	0	4	2	89	0.00	0.0	6.416	0.000	4	2	1	1	
PL.30942	PL.29431	A	2ALUD	7.49Y	124.8	-0.00	1.25	-0.01	0	0	0	100	0.00	0.0	6.437	0.021	0	0	0	0	
P		B		7.54Y	125.7	0.00	0.34	-0.01	0	0	0	0					0	0	0	0	P
		C		7.48Y	124.6	0.00	1.38	-0.01	0	0	0	0					0	0	0	0	
PL.29432	PL.29431	A	2ALUD	7.49Y	124.8	-0.00	1.25	-0.04	0	0	0	100	0.00	0.0	6.463	0.046	0	0	0	2	
PL.29547	PL.29432	A	2ALUD	7.49Y	124.8	-0.00	1.25	-0.01	0	0	0	100	0.00	0.0	6.484	0.021	0	0	0	2	
452943	PL.29547	A	Consumer	7.49Y	124.8	0.00	1.25	0.00	0	0	0	100	0.00	0.0	6.484	0.000	0	0	1	1	
452927	PL.29547	A	Consumer	7.49Y	124.8	0.00	1.25	0.00	0	0	0	100	0.00	0.0	6.484	0.000	0	0	1	1	
452917	PL.29429	A	Consumer	7.49Y	124.8	0.00	1.24	7.41	0	47	29	85	0.00	0.0	5.999	0.000	47	29	0	0	
		B		7.54Y	125.7	0.00	0.34	7.36	0	47	29	85					47	29	0	0	
		C		7.48Y	124.6	0.00	1.38	7.42	0	47	29	85					47	29	0	0	
PL.29548	PL.29425	A	1/0EPRJCN	7.49Y	124.8	-0.00	1.19	-0.02	0	0	0	100	0.00	0.0	5.708	0.036	0	0	0	0	
PL.29293	PL.29425	C	1/0EPRJCN	7.48Y	124.7	0.00	1.28	0.05	0	0	0	100	0.00	0.0	5.724	0.052	0	0	0	1	
PL.29292	PL.29293	C	1/0EPRJCN	7.48Y	124.7	0.00	1.28	0.04	0	0	0	100	0.00	0.0	5.752	0.028	0	0	0	1	
4529046	PL.29292	C	Consumer	7.48Y	124.7	0.00	1.28	0.04	0	0	0	100	0.00	0.0	5.752	0.000	0	0	1	1	
PL.2795	PL.29424	B	1/0EPRJCN	7.54Y	125.7	0.00	0.29	4.02	2	30	0	100	0.00	0.0	5.549	0.021	0	0	0	8	
452930	PL.2795	B	Consumer	7.54Y	125.7	0.00	0.29	0.57	0	4	0	100	0.00	0.0	5.549	0.000	4	0	1	1	
452928	PL.2795	B	Consumer	7.54Y	125.7	0.00	0.29	0.52	0	4	0	100	0.00	0.0	5.549	0.000	4	0	1	1	
452931	PL.2795	B	Consumer	7.54Y	125.7	0.00	0.29	0.67	0	5	0	100	0.00	0.0	5.549	0.000	5	0	1	1	
452932	PL.2795	B	Consumer	7.54Y	125.7	0.00	0.29	0.00	0	0	0	100	0.00	0.0	5.549	0.000	0	0	1	1	
452929	PL.2795	B	Consumer	7.54Y	125.7	0.00	0.29	0.00	0	0	0	100	0.00	0.0	5.549	0.000	0	0	0	0	
452939	PL.2795	B	Consumer	7.54Y	125.7	0.00	0.29	0.57	0	4	0	100	0.00	0.0	5.549	0.000	4	0	1	1	
PL.27267	PL.2795	B	1/0EPRJCN	7.54Y	125.7	0.00	0.29	1.70	1	13	0	100	0.00	0.0	5.551	0.002	0	0	0	3	
PD.1038	PL.27267	B	fuse6AMP	7.54Y	125.7	0.00	0.29	1.70	29	13	0	100	0.00	0.0	5.551	0.000	0	0	0	3	
PL.27268	PD.1038	B	1/0EPRJCN	7.54Y	125.7	0.00	0.29	1.70	1	13	0	100	0.00	0.0	5.591	0.041	0	0	0	3	
PL.2796	PL.27268	B	1/0EPRJCN	7.54Y	125.7	0.00	0.29	1.22	1	9	0	100	0.00	0.0	5.653	0.062	0	0	0	2	
4529045	PL.2796	B	Consumer	7.54Y	125.7	0.00	0.29	0.70	0	5	0	100	0.00	0.0	5.653	0.000	5	0	1	1	
452933	PL.2796	B	Consumer	7.54Y	125.7	0.00	0.29	0.52	0	4	0	100	0.00	0.0	5.653	0.000	4	0	1	1	
452944	PL.27268	B	Consumer	7.54Y	125.7	0.00	0.29	0.48	0	4	0	100	0.00	0.0	5.591	0.000	4	0	1	1	
PL.18490	PL.15733	C	4ACSR	7.53Y	125.4	0.00	0.56	2.19	1	16	1	100	0.00	0.0	2.119	0.013	0	0	0	3	
PD.1180	PL.18490	C	fuse6AMP	7.53Y	125.4	0.00	0.56	2.19	37	16	1	100	0.00	0.0	2.119	0.000	0	0	0	3	
PL.18489	PD.1180	C	4ACSR	7.53Y	125.4	0.00	0.57	2.19	1	16	1	100	0.00	0.0	2.159	0.041	0	0	0	3	
PL.24718	PL.18489	C	4ACSR	7.53Y	125.4	0.00	0.57	0.73	0	5	0	100	0.00	0.0	2.240	0.081	0	0	0	2	
PL.24719	PL.24718	C	4ACSR	7.53Y	125.4	0.00	0.57	0.39	0	3	0	100	0.00	0.0	2.404	0.164	0	0	0	1	
399840	PL.24719	C	Consumer	7.53Y	125.4	0.00	0.57	0.39	0	3	0	100	0.00	0.0	2.404	0.000	3	0	1	1	
399839	PL.24718	C	Consumer	7.53Y	125.4	0.00	0.57	0.34	0	3	0	100	0.00	0.0	2.240	0.000	3	0	1	1	
PL.21198	PL.18489	C	4ACSR	7.53Y	125.4	0.01	0.57	1.46	1	11	0	100	0.00	0.0	2.255	0.096	0	0	0	1	
PL.21197	PL.21198	C	4ACSR	7.53Y	125.4	0.00	0.58	1.46	1	11	0	100	0.00	0.0	2.313	0.057	0	0	0	1	

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

Unbalanced Voltage Drop Report
Source: CAVE RUN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.21196	PL.21197	C	4ACSR	7.53Y	125.4	0.00	0.58	1.46	1	11	0	100	0.00	0.0	2.355	0.042	0	0	0	1
399836	PL.21196	C	Consumer	7.53Y	125.4	0.00	0.58	1.46	0	11	0	100	0.00	0.0	2.355	0.000	11	0	1	1
PL.40656	PL.40659	A	4ACSR	7.52Y	125.4	0.00	0.65	0.46	0	3	0	100	0.00	0.0	1.876	0.007	0	0	0	1
PD.7247	PL.40656	A	fuse6AMP	7.52Y	125.4	0.00	0.65	0.46	8	3	0	100	0.00	0.0	1.876	0.000	0	0	0	1
PL.40657	PD.7247	A	4ACSR	7.52Y	125.4	0.00	0.65	0.46	0	3	0	100	0.00	0.0	1.935	0.059	0	0	0	1
398849	PL.40657	A	Consumer	7.52Y	125.4	0.00	0.65	0.46	0	3	0	100	0.00	0.0	1.935	0.000	3	0	1	1
398837	PL.9603	B	Consumer	7.56Y	125.9	0.00	0.06	0.87	0	7	0	100	0.00	0.0	1.570	0.000	7	0	1	1
398841	PL.9603	B	Consumer	7.56Y	125.9	0.00	0.06	1.43	0	11	0	100	0.00	0.0	1.570	0.000	11	0	1	1
PL.1815	PL.9603	B	4ACSR	7.56Y	125.9	0.01	0.07	2.69	1	20	1	100	0.00	0.0	1.619	0.049	0	0	0	3
398852	PL.1815	B	Consumer	7.56Y	125.9	0.00	0.07	0.71	0	5	0	100	0.00	0.0	1.619	0.000	5	0	1	1
398861	PL.1815	B	Consumer	7.56Y	125.9	0.00	0.07	0.33	0	3	0	100	0.00	0.0	1.619	0.000	3	0	1	1
398851	PL.1815	B	Consumer	7.56Y	125.9	0.00	0.07	1.65	0	12	0	100	0.00	0.0	1.619	0.000	12	0	1	1
398816	PL.24716	C	Consumer	7.53Y	125.6	0.00	0.42	0.00	0	0	0	100	0.00	0.0	1.521	0.000	0	0	0	0
398854	PL.24716	A	Consumer	7.52Y	125.4	0.00	0.59	0.87	0	7	0	100	0.00	0.0	1.521	0.000	7	0	1	1
398856	PL.24716	C	Consumer	7.53Y	125.6	0.00	0.42	0.00	0	0	0	100	0.00	0.0	1.521	0.000	0	0	0	0
398832	PL.24716	B	Consumer	7.56Y	125.9	0.00	0.06	0.00	0	0	0	100	0.00	0.0	1.521	0.000	0	0	0	0
PL.15720	PL.9601	A	4ACSR	7.53Y	125.4	0.00	0.57	10.16	5	76	2	100	0.00	0.0	1.442	0.003	0	0	0	8
C PD.1182	PL.15720	A	fuse8AMP	7.53Y	125.4	0.00	0.57	10.16	139	76	2	100	0.00	0.0	1.442	0.000	0	0	0	8 C
PL.21516	PD.1182	A	4ACSR	7.52Y	125.4	0.02	0.59	10.16	5	76	2	100	0.01	0.0	1.480	0.038	0	0	0	8
398817	PL.21516	A	Consumer	7.52Y	125.4	0.00	0.59	1.09	0	8	0	100	0.00	0.0	1.480	0.000	8	0	1	1
PL.21206	PL.21516	A	4ACSR	7.52Y	125.4	0.01	0.60	9.06	5	68	2	100	0.01	0.0	1.511	0.031	0	0	0	7
398857	PL.21206	A	Consumer	7.52Y	125.4	0.00	0.60	0.00	0	0	0	100	0.00	0.0	1.511	0.000	0	0	0	0
398820	PL.21206	A	Consumer	7.52Y	125.4	0.00	0.60	1.22	0	9	0	100	0.00	0.0	1.511	0.000	9	0	1	1
398818	PL.21206	A	Consumer	7.52Y	125.4	0.00	0.60	1.11	0	8	0	100	0.00	0.0	1.511	0.000	8	0	1	1
PL.23023	PL.21206	A	4ACSR	7.52Y	125.4	0.01	0.61	6.73	3	51	2	100	0.00	0.0	1.553	0.041	0	0	0	5
PL.23024	PL.23023	A	4ACSR	7.52Y	125.4	0.00	0.61	3.63	2	27	1	100	0.00	0.0	1.555	0.002	0	0	0	3
PL.21205	PL.23024	A	4ACSR	7.52Y	125.4	0.01	0.62	3.63	2	27	1	100	0.00	0.0	1.597	0.042	0	0	0	3
398828	PL.21205	A	Consumer	7.52Y	125.4	0.00	0.62	0.00	0	0	0	100	0.00	0.0	1.597	0.000	0	0	0	0
398831	PL.21205	A	Consumer	7.52Y	125.4	0.00	0.62	1.26	0	9	0	100	0.00	0.0	1.597	0.000	9	0	1	1
398827	PL.21205	A	Consumer	7.52Y	125.4	0.00	0.62	0.00	0	0	0	100	0.00	0.0	1.597	0.000	0	0	0	0
398826	PL.21205	A	Consumer	7.52Y	125.4	0.00	0.62	1.26	0	9	0	100	0.00	0.0	1.597	0.000	9	0	1	1
398830	PL.21205	A	Consumer	7.52Y	125.4	0.00	0.62	1.11	0	8	0	100	0.00	0.0	1.597	0.000	8	0	1	1
398822	PL.23023	A	Consumer	7.52Y	125.4	0.00	0.61	1.86	0	14	0	100	0.00	0.0	1.553	0.000	14	0	1	1
398823	PL.23023	A	Consumer	7.52Y	125.4	0.00	0.61	0.00	0	0	0	100	0.00	0.0	1.553	0.000	0	0	0	0
398824	PL.23023	A	Consumer	7.52Y	125.4	0.00	0.61	1.25	0	9	0	100	0.00	0.0	1.553	0.000	9	0	1	1
398810	PL.9600	B	Consumer	7.56Y	125.9	0.00	0.06	0.00	0	0	0	100	0.00	0.0	1.430	0.000	0	0	0	0
398811	PL.9600	B	Consumer	7.56Y	125.9	0.00	0.06	1.05	0	8	0	100	0.00	0.0	1.430	0.000	8	0	1	1
398812	PL.9600	A	Consumer	7.53Y	125.4	0.00	0.57	1.28	0	10	0	100	0.00	0.0	1.430	0.000	10	0	1	1

Unbalanced Voltage Drop Report
Source: CAVE RUN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
398808	PL.9600	B	Consumer	7.56Y	125.9	0.00	0.06	1.13	0	9	0	100	0.00	0.0	1.430	0.000	9	0	1	1
398814	PL.9600	A	Consumer	7.53Y	125.4	0.00	0.57	0.62	0	5	0	100	0.00	0.0	1.430	0.000	5	0	1	1
398813	PL.9600	B	Consumer	7.56Y	125.9	0.00	0.06	0.00	0	0	0	100	0.00	0.0	1.430	0.000	0	0	0	0
398855	PL.9600	B	Consumer	7.56Y	125.9	0.00	0.06	0.46	0	3	0	100	0.00	0.0	1.430	0.000	3	0	1	1
398860	PL.9600	B	Consumer	7.56Y	125.9	0.00	0.06	0.00	0	0	0	100	0.00	0.0	1.430	0.000	0	0	0	0
398809	PL.9600	B	Consumer	7.56Y	125.9	0.00	0.06	1.13	0	9	0	100	0.00	0.0	1.430	0.000	9	0	1	1
398804	PL.24715	A	Consumer	7.53Y	125.5	0.00	0.49	0.50	0	4	0	100	0.00	0.0	1.241	0.000	4	0	1	1
PL.23999	PL.9598	C	4ACSR	7.55Y	125.9	0.01	0.14	1.03	1	8	0	100	0.00	0.0	0.579	0.127	0	0	0	2
PL.24000	PL.23999	C	4ACSR	7.55Y	125.9	0.00	0.14	0.06	0	0	0	100	0.00	0.0	0.580	0.000	0	0	0	1
PL.40998	PL.24000	C	2ACSR	7.55Y	125.9	0.00	0.14	0.06	0	0	0	100	0.00	0.0	0.624	0.044	0	0	0	1
3997109	PL.40998	C	Consumer	7.55Y	125.9	0.00	0.14	0.06	0	0	0	100	0.00	0.0	0.624	0.000	0	0	1	1
399794	PL.23999	C	Consumer	7.55Y	125.9	0.00	0.14	0.98	0	7	0	100	0.00	0.0	0.579	0.000	7	0	1	1
PL.32997	PL.9598	C	4ACSR	7.55Y	125.9	0.00	0.14	0.33	0	2	0	100	0.00	0.0	0.464	0.011	0	0	0	1
3997103	PL.32997	C	Consumer	7.55Y	125.9	0.00	0.14	0.33	0	2	0	100	0.00	0.0	0.464	0.000	2	0	1	1
399748	PL.20024	C	Consumer	7.55Y	125.9	0.00	0.13	0.91	0	7	0	100	0.00	0.0	0.423	0.000	7	0	1	1
399740	PL.20024	C	Consumer	7.55Y	125.9	0.00	0.13	0.97	0	7	0	100	0.00	0.0	0.423	0.000	7	0	1	1
399743	PL.20024	C	Consumer	7.55Y	125.9	0.00	0.13	0.30	0	2	0	100	0.00	0.0	0.423	0.000	2	0	1	1
399749	PL.20024	C	Consumer	7.55Y	125.9	0.00	0.13	0.00	0	0	0	100	0.00	0.0	0.423	0.000	0	0	0	0
399756	PL.20024	C	Consumer	7.55Y	125.9	0.00	0.13	0.54	0	4	0	100	0.00	0.0	0.423	0.000	4	0	1	1
399755	PL.20024	C	Consumer	7.55Y	125.9	0.00	0.13	1.62	0	12	0	100	0.00	0.0	0.423	0.000	12	0	1	1
399753	PL.20023	C	Consumer	7.55Y	125.9	0.00	0.12	0.00	0	0	0	100	0.00	0.0	0.390	0.000	0	0	0	0
399761	PL.20023	C	Consumer	7.55Y	125.9	0.00	0.12	0.90	0	7	0	100	0.00	0.0	0.390	0.000	7	0	1	1
399710	PL.23997	B	Consumer	7.56Y	126.0	0.00	0.04	0.21	0	2	0	100	0.00	0.0	0.240	0.000	2	0	1	1
PL.1811	PL.9595	B	4ACSR	7.56Y	126.0	0.00	0.01	0.00	0	0	0	100	0.00	0.0	0.114	0.024	0	0	0	0
399795	PL.1811	B	Consumer	7.56Y	126.0	0.00	0.01	0.00	0	0	0	100	0.00	0.0	0.114	0.000	0	0	0	0
PL.40918	CAVE RUN	A	4/0ACSR	7.56Y	126.0	0.01	0.01	70.09	15	519	105	98	0.02	0.0	0.007	0.007	0	0	0	72
		B		7.56Y	126.0	0.00	0.00	36.98	8	271	70	97					0	0	0	31
		C		7.56Y	126.0	0.00	0.00	30.83	7	227	53	97					0	0	0	50
PL.32852	PL.40918	A	4/0ACSR	7.56Y	126.0	0.00	0.01	70.09	15	519	105	98	0.01	0.0	0.009	0.002	0	0	0	72
		B		7.56Y	126.0	0.00	0.00	36.98	8	271	70	97					0	0	0	31
		C		7.56Y	126.0	0.00	0.00	30.83	7	227	53	97					0	0	0	50

---------- Feeder No. 2 (CAVERUN2) Beginning with Device PD.3887 ----------

PD.3887	PL.32852	A	VWVE	7.56Y	126.0	0.00	0.01	70.09	0	519	105	98	0.00	0.0	0.009	0.000	0	0	0	72
		B		7.56Y	126.0	0.00	0.00	36.98	0	271	70	97					0	0	0	31
		C		7.56Y	126.0	0.00	0.00	30.83	0	227	53	97					0	0	0	50
PL.32853	PD.3887	A	4/0ACSR	7.56Y	126.0	0.01	0.01	70.09	15	519	105	98	0.02	0.0	0.016	0.007	0	0	0	72
		B		7.56Y	126.0	0.00	0.00	36.98	8	271	70	97					0	0	0	31
		C		7.56Y	126.0	0.00	0.01	30.83	7	227	53	97					0	0	0	50
PL.29079	PL.32853	A	4/0ACSR	7.56Y	126.0	0.00	0.02	70.09	15	519	105	98	0.01	0.0	0.018	0.002	0	0	0	72
		B		7.56Y	126.0	0.00	0.00	36.98	8	271	70	97					0	0	0	31
		C		7.56Y	126.0	0.00	0.01	30.83	7	227	53	97					0	0	0	50
PL.29080	PL.29079	A	4/0ACSR	7.56Y	126.0	0.01	0.03	70.09	15	519	105	98	0.04	0.0	0.029	0.011	0	0	0	72
		B		7.56Y	126.0	0.00	0.00	36.98	8	271	70	97					0	0	0	31
		C		7.56Y	126.0	0.00	0.01	30.83	7	227	53	97					0	0	0	50

Unbalanced Voltage Drop Report
Source: CAVE RUN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.29081	PL.29080	B	4ACSR	7.56Y	126.0	0.00	0.00	9.97	5	75	2	100	0.00	0.0	0.035	0.005	0	0	0	11
PL.29082	PL.29081	B	4ACSR	7.56Y	126.0	0.00	0.01	9.97	5	75	2	100	0.00	0.0	0.044	0.009	0	0	0	11
PD.7249	PL.29082	B	70V4E	7.56Y	126.0	0.00	0.01	9.97	14	75	2	100	0.00	0.0	0.044	0.000	0	0	0	11
PL.28319	PD.7249	B	4ACSR	7.56Y	126.0	0.01	0.02	9.97	5	75	2	100	0.01	0.0	0.067	0.023	0	0	0	11
PL.29083	PL.28319	B	4ACSR	7.56Y	126.0	0.00	0.02	7.52	4	57	2	100	0.00	0.0	0.077	0.010	0	0	0	7
PL.29084	PL.29083	B	4ACSR	7.56Y	126.0	0.01	0.03	7.52	4	57	2	100	0.00	0.0	0.108	0.031	0	0	0	7
PL.27473	PL.29084	B	4ACSR	7.56Y	126.0	0.00	0.03	7.52	4	57	2	100	0.00	0.0	0.119	0.011	0	0	0	7
PL.21192	PL.27473	B	4ACSR	7.56Y	126.0	0.01	0.04	7.52	4	57	2	100	0.00	0.0	0.138	0.019	0	0	0	7
PL.21193	PL.21192	B	4ACSR	7.56Y	126.0	0.00	0.04	4.24	2	32	1	100	0.00	0.0	0.165	0.027	0	0	0	4
PL.23021	PL.21193	B	4ACSR	7.56Y	126.0	0.00	0.05	4.24	2	32	1	100	0.00	0.0	0.180	0.015	0	0	0	4
399780	PL.23021	B	Consumer	7.56Y	126.0	0.00	0.05	1.86	0	14	0	100	0.00	0.0	0.180	0.000	14	0	1	1
PL.23022	PL.23021	B	4ACSR	7.56Y	125.9	0.01	0.05	2.38	1	18	1	100	0.00	0.0	0.260	0.080	0	0	0	3
PL.21194	PL.23022	B	4ACSR	7.56Y	125.9	0.00	0.06	1.78	1	13	0	100	0.00	0.0	0.284	0.024	0	0	0	1
399778	PL.21194	B	Consumer	7.56Y	125.9	0.00	0.06	1.78	0	13	0	100	0.00	0.0	0.284	0.000	13	0	1	1
399757	PL.23022	B	Consumer	7.56Y	125.9	0.00	0.05	0.30	0	2	0	100	0.00	0.0	0.260	0.000	2	0	1	1
399786	PL.23022	B	Consumer	7.56Y	125.9	0.00	0.05	0.30	0	2	0	100	0.00	0.0	0.260	0.000	2	0	1	1
399775	PL.21192	B	Consumer	7.56Y	126.0	0.00	0.04	1.10	0	8	0	100	0.00	0.0	0.138	0.000	8	0	1	1
399787	PL.21192	B	Consumer	7.56Y	126.0	0.00	0.04	1.36	0	10	0	100	0.00	0.0	0.138	0.000	10	0	1	1
399737	PL.21192	B	Consumer	7.56Y	126.0	0.00	0.04	0.82	0	6	0	100	0.00	0.0	0.138	0.000	6	0	1	1
PL.27474	PL.29084	B	4ACSR	7.56Y	126.0	0.00	0.03	0.00	0	0	0	100	0.00	0.0	0.159	0.051	0	0	0	0
PL.29076	PL.28319	B	4ACSR	7.56Y	126.0	0.00	0.02	2.45	1	19	1	100	0.00	0.0	0.094	0.027	0	0	0	4
PL.43758	PL.29076	B	4ACSR	7.56Y	126.0	0.01	0.03	2.45	1	19	1	100	0.00	0.0	0.183	0.089	0	0	0	4
3997110	PL.43758	B	Consumer	7.56Y	126.0	0.00	0.03	0.00	0	0	0	100	0.00	0.0	0.183	0.000	0	0	0	0
PL.43759	PL.43758	B	4ACSR	7.56Y	126.0	0.01	0.03	2.45	1	19	1	100	0.00	0.0	0.234	0.051	0	0	0	4
PL.27472	PL.43759	B	4ACSR	7.56Y	126.0	0.01	0.04	2.45	1	19	1	100	0.00	0.0	0.286	0.052	0	0	0	3
3997102	PL.27472	B	Consumer	7.56Y	126.0	0.00	0.04	0.77	0	6	0	100	0.00	0.0	0.286	0.000	6	0	1	1
3997101	PL.27472	B	Consumer	7.56Y	126.0	0.00	0.04	1.20	0	9	0	100	0.00	0.0	0.286	0.000	9	0	1	1
PL.21195	PL.27472	B	4ACSR	7.56Y	126.0	0.00	0.04	0.48	0	4	0	100	0.00	0.0	0.327	0.041	0	0	0	1
399724	PL.21195	B	Consumer	7.56Y	126.0	0.00	0.04	0.48	0	4	0	100	0.00	0.0	0.327	0.000	4	0	1	1
PL.40660	PL.43759	B	4ACSR	7.56Y	126.0	0.00	0.03	0.00	0	0	0	100	0.00	0.0	0.241	0.007	0	0	0	1
PD.7250	PL.40660	B	fuse6AMP	7.56Y	126.0	0.00	0.03	0.00	0	0	0	100	0.00	0.0	0.241	0.000	0	0	0	1
PL.40661	PD.7250	B	4ACSR	7.56Y	126.0	0.00	0.03	0.00	0	0	0	100	0.00	0.0	0.279	0.038	0	0	0	1
PL.19018	PL.40661	B	4ACSR	7.56Y	126.0	0.00	0.03	0.00	0	0	0	100	0.00	0.0	0.326	0.047	0	0	0	1
PL.27996	PL.19018	B	4ACSR	7.56Y	126.0	0.00	0.03	0.00	0	0	0	100	0.00	0.0	0.374	0.048	0	0	0	1
PL.27997	PL.27996	B	4ACSR	7.56Y	126.0	0.00	0.03	0.00	0	0	0	100	0.00	0.0	0.423	0.048	0	0	0	1
399799	PL.27997	B	Consumer	7.56Y	126.0	0.00	0.03	0.00	0	0	0	100	0.00	0.0	0.423	0.000	0	0	1	1
3997111	PL.19018	B	Consumer	7.56Y	126.0	0.00	0.03	0.00	0	0	0	100	0.00	0.0	0.326	0.000	0	0	0	0
3997113	PL.19018	B	Consumer	7.56Y	126.0	0.00	0.03	0.00	0	0	0	100	0.00	0.0	0.326	0.000	0	0	0	0

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

Unbalanced Voltage Drop Report
Source: CAVE RUN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.9612	PL.29080	A	4/0ACSR	7.56Y	126.0	0.02	0.05	70.09	15	519	105	98	0.09	0.0	0.057	0.027	0	0	0	72
		B		7.56Y	126.0	-0.00	0.00	27.34	6	195	67	95					0	0	0	20
		C		7.56Y	126.0	0.01	0.03	30.83	7	227	53	97					0	0	0	50
3997100	PL.9612	C	Consumer	7.56Y	126.0	0.00	0.03	0.68	0	5	2	93	0.00	0.0	0.057	0.000	5	2	1	1
399797	PL.9612	B	Consumer	7.56Y	126.0	0.00	0.00	0.00	0	0	0	100	0.00	0.0	0.057	0.000	0	0	0	0
PL.23995	PL.9612	A	4/0ACSR	7.56Y	125.9	0.01	0.06	70.09	15	519	105	98	0.05	0.0	0.072	0.016	0	0	0	72
		B		7.56Y	126.0	-0.00	0.00	27.34	6	195	67	95					0	0	0	20
		C		7.56Y	126.0	0.01	0.03	30.16	6	222	51	97					0	0	0	49
PL.29823	PL.23995	A	4/0ACSR	7.56Y	125.9	0.00	0.06	70.09	15	519	105	98	0.00	0.0	0.074	0.002	0	0	0	72
		B		7.56Y	126.0	-0.00	0.00	27.34	6	195	67	95					0	0	0	20
		C		7.56Y	126.0	0.00	0.03	30.16	6	222	51	97					0	0	0	49
PL.37684	PL.29823	A	4/0ACSR	7.56Y	125.9	0.00	0.06	0.00	0	0	0	100	0.00	0.0	0.082	0.009	0	0	0	0
		B		7.56Y	126.0	0.00	0.00	0.00	0	0	0	100					0	0	0	0
		C		7.56Y	126.0	0.00	0.03	0.00	0	0	0	100					0	0	0	0
PD.7582-B	PL.37684	A	Open	7.56Y	125.9	0.00	0.06	0.00	0	0	0	100	0.00	0.0	0.082	0.000	0	0	0	0
		B		7.56Y	126.0	0.00	0.00	0.00	0	0	0	100					0	0	0	0
		C		7.56Y	126.0	0.00	0.03	0.00	0	0	0	100					0	0	0	0
PL.29824	PL.29823	A	4/0ACSR	7.55Y	125.9	0.03	0.09	70.09	15	519	105	98	0.11	0.0	0.108	0.034	0	0	0	72
		B		7.56Y	126.0	-0.00	0.00	27.34	6	195	67	95					0	0	0	20
		C		7.56Y	125.9	0.02	0.05	30.16	6	222	51	97					0	0	0	49
PD.246-A	PL.29824	A	Closed	7.55Y	125.9	0.00	0.09	70.09	0	519	104	98	0.00	0.0	0.108	0.000	0	0	0	72
		B		7.56Y	126.0	0.00	0.00	27.34	0	195	67	95					0	0	0	20
		C		7.56Y	125.9	0.00	0.05	30.16	0	222	51	97					0	0	0	49
PD.246-B	PD.246-A	A	Closed	7.55Y	125.9	0.00	0.09	70.09	0	519	104	98	0.00	0.0	0.108	0.000	0	0	0	72
		B		7.56Y	126.0	0.00	0.00	27.34	0	195	67	95					0	0	0	20
		C		7.56Y	125.9	0.00	0.05	30.16	0	222	51	97					0	0	0	49
PL.20123	PD.246-B	A	4/0ACSR	7.55Y	125.9	0.06	0.15	70.09	15	519	104	98	0.22	0.0	0.180	0.072	0	0	0	72
		B		7.56Y	126.0	-0.00	-0.00	27.34	6	195	67	95					0	0	0	20
		C		7.55Y	125.9	0.03	0.08	30.16	6	222	51	97					0	0	0	49
PL.18819	PL.20123	A	4/0ACSR	7.55Y	125.8	0.00	0.15	70.09	15	519	104	98	0.01	0.0	0.184	0.004	0	0	0	72
		B		7.56Y	126.0	-0.00	-0.00	27.34	6	195	67	95					0	0	0	20
		C		7.55Y	125.9	0.00	0.09	30.16	6	222	51	97					0	0	0	49
PL.30959	PL.18819	B	4ACSR	7.56Y	126.0	0.00	-0.00	1.39	1	11	0	100	0.00	0.0	0.190	0.006	0	0	0	2
PD.1178	PL.30959	B	fuse15AMP	7.56Y	126.0	0.00	-0.00	1.39	9	11	0	100	0.00	0.0	0.190	0.000	0	0	0	2
PL.30960	PD.1178	B	4ACSR	7.56Y	126.0	0.00	0.00	1.39	1	11	0	100	0.00	0.0	0.229	0.039	0	0	0	2
399708	PL.30960	B	Consumer	7.56Y	126.0	0.00	0.00	1.21	0	9	0	100	0.00	0.0	0.229	0.000	9	0	1	1
399705	PL.30960	B	Consumer	7.56Y	126.0	0.00	0.00	0.18	0	1	0	100	0.00	0.0	0.229	0.000	1	0	1	1
PL.23629	PL.18819	A	4/0ACSR	7.55Y	125.8	0.07	0.22	70.09	15	519	104	98	0.25	0.0	0.267	0.083	0	0	0	72
		B		7.56Y	126.0	-0.01	-0.01	23.03	5	162	64	93					0	0	0	13
		C		7.55Y	125.9	0.04	0.13	29.93	6	220	51	97					0	0	0	48
PL.121	PL.23629	A	4/0ACSR	7.55Y	125.8	0.03	0.25	70.08	15	519	104	98	0.11	0.0	0.303	0.037	0	0	0	71
		B		7.56Y	126.0	-0.01	-0.01	18.00	4	125	54	92					0	0	0	10
		C		7.55Y	125.9	0.02	0.15	29.93	6	220	51	97					0	0	0	48
PL.6534	PL.121	A	4/0ACSR	7.55Y	125.8	0.00	0.25	26.83	6	196	50	97	0.02	0.0	0.327	0.023	0	0	0	27
		B		7.56Y	126.0	0.00	-0.01	18.00	4	125	54	92					0	0	0	10
		C		7.55Y	125.8	0.01	0.16	29.93	6	220	51	97					0	0	0	48
PL.8605	PL.6534	A	4/0ACSR	7.54Y	125.7	0.01	0.26	26.83	6	196	50	97	0.04	0.0	0.380	0.053	0	0	0	27
		B		7.56Y	126.0	0.01	-0.00	15.49	3	104	53	89					0	0	0	7
		C		7.55Y	125.8	0.02	0.18	29.93	6	220	51	97					0	0	0	48
PL.9158	PL.8605	A	4/0ACSR	7.54Y	125.7	0.01	0.27	26.83	6	196	50	97	0.06	0.0	0.449	0.069	0	0	0	27
		B		7.56Y	126.0	0.01	0.01	15.49	3	104	53	89					0	0	0	7
		C		7.55Y	125.8	0.03	0.21	29.93	6	220	51	97					0	0	0	48

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: CAVE RUN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.15542	PL.9158	A	4/0ACSR	7.54Y	125.7	0.00	0.27	21.91	5	158	49	96	0.00	0.0	0.451	0.002	0	0	0	19
		B		7.56Y	126.0	0.00	0.01	15.49	3	104	53	89					0	0	0	7
		C		7.55Y	125.8	0.00	0.21	29.93	6	220	51	97					0	0	0	48
C PD.1036	PL.15542	A	fuse6AMP	7.54Y	125.7	0.00	0.27	21.91	374	158	49	96	0.00	0.0	0.451	0.000	0	0	0	19 C
C		B		7.56Y	126.0	0.00	0.01	15.49	265	104	53	89					0	0	0	7 C
C		C		7.55Y	125.8	0.00	0.21	29.93	511	220	51	97					0	0	0	48 C
PL.15543	PD.1036	A	4/0ACSR	7.54Y	125.7	0.02	0.29	21.91	5	158	49	96	0.12	0.0	0.619	0.168	0	0	0	19
		B		7.56Y	126.0	0.04	0.05	15.49	3	104	53	89					0	0	0	7
		C		7.54Y	125.7	0.06	0.27	29.93	6	220	51	97					0	0	0	48
PL.124	PL.15543	A	4/0ACSR	7.54Y	125.7	0.02	0.31	21.91	5	158	49	96	0.09	0.0	0.743	0.124	0	0	0	19
		B		7.56Y	125.9	0.03	0.07	15.49	3	104	53	89					0	0	0	7
		C		7.54Y	125.7	0.05	0.32	29.93	6	220	50	97					0	0	0	48
PL.9159	PL.124	A	4/0ACSR	7.54Y	125.7	0.00	0.31	21.91	5	158	49	96	0.00	0.0	0.743	0.000	0	0	0	19
		B		7.56Y	125.9	0.00	0.07	15.49	3	104	53	89					0	0	0	7
		C		7.54Y	125.7	0.00	0.32	28.50	6	209	50	97					0	0	0	47
PL.9160	PL.9159	A	4/0ACSR	7.54Y	125.7	0.00	0.31	11.67	2	78	41	89	0.02	0.0	0.796	0.053	0	0	0	3
		B		7.55Y	125.9	0.01	0.08	9.39	2	60	37	85					0	0	0	0
		C		7.54Y	125.7	0.02	0.34	25.07	5	184	44	97					0	0	0	45
450823	PL.9160	C	Consumer	7.54Y	125.7	0.00	0.34	0.67	0	5	2	93	0.00	0.0	0.796	0.000	5	2	1	1
PL.6537	PL.9160	A	1/0ACSR	7.54Y	125.7	0.01	0.32	11.67	4	78	41	89	0.05	0.0	0.859	0.063	0	0	0	3
		B		7.55Y	125.9	0.02	0.10	9.39	3	60	37	85					0	0	0	0
		C		7.54Y	125.6	0.03	0.37	24.41	7	179	41	97					0	0	0	44
PL.9229	PL.6537	A	1/0ACSR	7.54Y	125.7	0.00	0.32	11.67	4	78	41	89	0.00	0.0	0.859	0.000	0	0	0	3
		B		7.55Y	125.9	0.00	0.10	9.39	3	60	37	85					0	0	0	0
		C		7.54Y	125.6	0.00	0.37	24.41	7	179	41	97					0	0	0	44
PL.15548	PL.9229	A	1/0ACSR	7.54Y	125.7	0.00	0.32	9.41	3	60	37	85	0.00	0.0	0.861	0.002	0	0	0	0
		B		7.55Y	125.9	0.00	0.10	9.39	3	60	37	85					0	0	0	0
		C		7.54Y	125.6	0.00	0.37	9.41	3	60	37	85					0	0	0	0
PD.1037	PL.15548	A	fuse25AMP	7.54Y	125.7	0.00	0.32	9.41	39	60	37	85	0.00	0.0	0.861	0.000	0	0	0	0
		B		7.55Y	125.9	0.00	0.10	9.39	39	60	37	85					0	0	0	0
		C		7.54Y	125.6	0.00	0.37	9.41	39	60	37	85					0	0	0	0
PL.15549	PD.1037	A	1/0ACSR	7.54Y	125.7	0.00	0.32	9.41	3	60	37	85	0.01	0.0	0.888	0.027	0	0	0	0
		B		7.55Y	125.9	0.00	0.10	9.39	3	60	37	85					0	0	0	0
		C		7.54Y	125.6	0.00	0.37	9.41	3	60	37	85					0	0	0	0
450805	PL.15549	A	Consumer	7.54Y	125.7	0.00	0.32	9.41	0	60	37	85	0.00	0.0	0.888	0.000	60	37	0	0
		B		7.55Y	125.9	0.00	0.10	9.39	0	60	37	85					60	37	0	0
		C		7.54Y	125.6	0.00	0.37	9.41	0	60	37	85					60	37	0	0
450824	PL.9229	B	Consumer	7.55Y	125.9	0.00	0.10	0.00	0	0	0	100	0.00	0.0	0.859	0.000	0	0	0	0
PL.20405	PL.9229	A	1/0ACSR	7.54Y	125.7	-0.01	0.31	2.39	1	18	3	99	0.02	0.0	0.921	0.062	0	0	0	3
		B		7.55Y	125.9	0.00	0.10	0.00	0	0	0	100					0	0	0	0
		C		7.54Y	125.6	0.02	0.39	15.80	5	119	4	100					0	0	0	44
PD.399-A	PL.20405	A	Closed	7.54Y	125.7	0.00	0.31	2.39	0	18	3	99	0.00	0.0	0.921	0.000	0	0	0	3
		B		7.55Y	125.9	0.00	0.10	0.00	0	0	0	100					0	0	0	0
		C		7.54Y	125.6	0.00	0.39	15.80	0	119	4	100					0	0	0	44
PD.399-B	PD.399-A	A	Closed	7.54Y	125.7	0.00	0.31	2.39	0	18	3	99	0.00	0.0	0.921	0.000	0	0	0	3
		B		7.55Y	125.9	0.00	0.10	0.00	0	0	0	100					0	0	0	0
		C		7.54Y	125.6	0.00	0.39	15.80	0	119	4	100					0	0	0	44
PL.20406	PD.399-B	A	1/0ACSR	7.54Y	125.7	-0.01	0.30	2.39	1	18	3	99	0.02	0.0	1.006	0.085	0	0	0	3
		B		7.55Y	125.9	0.01	0.11	0.00	0	0	0	100					0	0	0	0
		C		7.54Y	125.6	0.03	0.41	15.80	5	119	4	100					0	0	0	44
PL.6536	PL.20406	A	1/0ACSR	7.54Y	125.7	-0.01	0.29	2.39	1	18	3	99	0.02	0.0	1.087	0.080	0	0	0	3
		B		7.55Y	125.9	0.00	0.11	0.00	0	0	0	100					0	0	0	0
		C		7.53Y	125.6	0.02	0.43	14.43	4	109	4	100					0	0	0	43
450804	PL.6536	A	Consumer	7.54Y	125.7	0.00	0.29	1.15	0	9	0	100	0.00	0.0	1.087	0.000	9	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: CAVE RUN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.6535	PL.6536	A	1/0ACSR	7.54Y	125.7	-0.01	0.29	1.27	0	9	3	95	0.01	0.0	1.152	0.066	0	0	0	2
		B		7.55Y	125.9	0.00	0.12	0.00	0	0	0	100					0	0	0	0
		C		7.53Y	125.5	0.02	0.45	14.43	4	109	4	100					0	0	0	43
PL.9220	PL.6535	A	1/0ACSR	7.54Y	125.7	-0.02	0.27	1.27	0	9	3	95	0.05	0.0	1.361	0.209	0	0	0	2
		B		7.55Y	125.9	0.01	0.13	0.00	0	0	0	100					0	0	0	0
		C		7.53Y	125.5	0.06	0.51	14.43	4	109	4	100					0	0	0	43
PL.9221	PL.9220	A	1/0ACSR	7.54Y	125.7	-0.01	0.25	1.27	0	9	3	95	0.03	0.0	1.485	0.124	0	0	0	2
		B		7.55Y	125.9	0.01	0.14	0.00	0	0	0	100					0	0	0	0
		C		7.53Y	125.5	0.03	0.54	14.43	4	109	3	100					0	0	0	43
PL.20888	PL.9221	A	4ACSR	7.54Y	125.7	-0.00	0.25	0.36	0	3	0	100	0.00	0.0	1.492	0.007	0	0	0	1
		B		7.55Y	125.9	0.00	0.14	0.00	0	0	0	100					0	0	0	0
		C		7.53Y	125.5	0.00	0.55	14.43	7	109	3	100					0	0	0	43
PD.396-A	PL.20888	A	Closed	7.54Y	125.7	0.00	0.25	0.36	0	3	0	100	0.00	0.0	1.492	0.000	0	0	0	1
		B		7.55Y	125.9	0.00	0.14	0.00	0	0	0	100					0	0	0	0
		C		7.53Y	125.5	0.00	0.55	14.43	0	109	3	100					0	0	0	43
PD.396-B	PD.396-A	A	Closed	7.54Y	125.7	0.00	0.25	0.36	0	3	0	100	0.00	0.0	1.492	0.000	0	0	0	1
		B		7.55Y	125.9	0.00	0.14	0.00	0	0	0	100					0	0	0	0
		C		7.53Y	125.5	0.00	0.55	14.43	0	109	3	100					0	0	0	43
PL.20889	PD.396-B	A	1/0ACSR	7.55Y	125.8	-0.03	0.22	0.36	0	3	0	100	0.06	0.1	1.749	0.257	0	0	0	1
		B		7.55Y	125.8	0.02	0.16	0.00	0	0	0	100					0	0	0	0
		C		7.52Y	125.4	0.07	0.62	14.43	4	109	3	100					0	0	0	43
PL.27914	PL.20889	C	4ACSR	7.52Y	125.4	0.00	0.62	14.43	7	109	3	100	0.00	0.0	1.755	0.005	0	0	0	43
PD.2662	PL.27914	C	35L	7.52Y	125.4	0.00	0.62	14.43	41	109	3	100	0.00	0.0	1.755	0.000	0	0	0	43
PL.27915	PD.2662	C	4ACSR	7.52Y	125.3	0.05	0.67	14.43	7	109	3	100	0.04	0.0	1.836	0.081	0	0	0	43
PL.6533	PL.27915	C	4ACSR	7.52Y	125.3	0.03	0.70	14.43	7	108	3	100	0.02	0.0	1.882	0.046	0	0	0	43
PL.9230	PL.6533	C	4ACSR	7.52Y	125.3	0.02	0.72	8.91	5	67	2	100	0.01	0.0	1.935	0.053	0	0	0	22
PL.9231	PL.9230	C	4ACSR	7.52Y	125.3	0.01	0.72	6.66	3	50	2	100	0.00	0.0	1.970	0.035	0	0	0	16
PL.17940	PL.9231	C	4ACSR	7.52Y	125.3	0.00	0.72	3.86	2	29	1	100	0.00	0.0	1.970	0.000	0	0	0	11
PL.17941	PL.17940	C	4ACSR	7.52Y	125.3	0.00	0.73	3.86	2	29	1	100	0.00	0.0	1.997	0.026	0	0	0	11
PL.9232	PL.17941	C	4ACSR	7.52Y	125.3	0.00	0.73	1.88	1	14	0	100	0.00	0.0	2.040	0.043	0	0	0	9
451760	PL.9232	C	Consumer	7.52Y	125.3	0.00	0.73	0.00	0	0	0	100	0.00	0.0	2.040	0.000	0	0	1	1
PL.19335	PL.9232	C	4ACSR	7.52Y	125.3	0.00	0.74	1.43	1	11	0	100	0.00	0.0	2.105	0.065	0	0	0	6
451758	PL.19335	C	Consumer	7.52Y	125.3	0.00	0.74	0.17	0	1	0	100	0.00	0.0	2.105	0.000	1	0	1	1
PL.43966	PL.19335	C	4ACSR	7.52Y	125.3	0.00	0.74	0.02	0	0	0	100	0.00	0.0	2.135	0.031	0	0	0	1
451709	PL.43966	C	Consumer	7.52Y	125.3	0.00	0.74	0.02	0	0	0	100	0.00	0.0	2.135	0.000	0	0	1	1
4517063	PL.43966	C	Consumer	7.52Y	125.3	0.00	0.74	0.00	0	0	0	100	0.00	0.0	2.135	0.000	0	0	0	0
PL.19713	PL.19335	C	4ACSR	7.52Y	125.3	0.00	0.74	1.24	1	9	0	100	0.00	0.0	2.135	0.030	0	0	0	4
451727	PL.19713	C	Consumer	7.52Y	125.3	0.00	0.74	0.55	0	4	0	100	0.00	0.0	2.135	0.000	4	0	1	1
PL.19714	PL.19713	C	4ACSR	7.52Y	125.3	0.00	0.74	0.69	0	5	0	100	0.00	0.0	2.183	0.049	0	0	0	3
PL.6530	PL.19714	C	4ACSR	7.52Y	125.3	0.00	0.74	0.47	0	4	0	100	0.00	0.0	2.267	0.084	0	0	0	1
PL.40808	PL.6530	C	4ACSR	7.52Y	125.3	0.00	0.74	0.47	0	4	0	100	0.00	0.0	2.425	0.158	0	0	0	1
PD.7262-A	PL.40808	C	Closed	7.52Y	125.3	0.00	0.74	0.47	0	4	0	100	0.00	0.0	2.425	0.000	0	0	0	1
PD.7262-B	PD.7262-A	C	Closed	7.52Y	125.3	0.00	0.74	0.47	0	4	0	100	0.00	0.0	2.425	0.000	0	0	0	1
PL.40809	PD.7262-B	C	4ACSR	7.51Y	125.2	0.01	0.75	0.47	0	4	0	100	0.00	0.0	2.785	0.360	0	0	0	1
451601	PL.40809	C	Consumer	7.51Y	125.2	0.00	0.75	0.47	0	4	0	100	0.00	0.0	2.785	0.000	4	0	1	1

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Unbalanced Voltage Drop Report
Source: CAVE RUN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
451710	PL.19714	C	Consumer	7.52Y	125.3	0.00	0.74	0.22	0	2	0	100	0.00	0.0	2.183	0.000	2	0	1	1
451747	PL.19714	C	Consumer	7.52Y	125.3	0.00	0.74	0.00	0	0	0	100	0.00	0.0	2.183	0.000	0	0	1	1
PL.40806	PL.9232	C	4ACSR	7.52Y	125.3	0.00	0.73	0.46	0	3	0	100	0.00	0.0	2.045	0.005	0	0	0	2
PD.7261	PL.40806	C	fuse6AMP	7.52Y	125.3	0.00	0.73	0.46	8	3	0	100	0.00	0.0	2.045	0.000	0	0	0	2
PL.40807	PD.7261	C	4ACSR	7.52Y	125.3	0.00	0.73	0.46	0	3	0	100	0.00	0.0	2.080	0.035	0	0	0	2
PL.2794	PL.40807	C	4ACSR	7.52Y	125.3	0.00	0.73	0.00	0	0	0	100	0.00	0.0	2.112	0.032	0	0	0	1
451762	PL.2794	C	Consumer	7.52Y	125.3	0.00	0.73	0.00	0	0	0	100	0.00	0.0	2.112	0.000	0	0	1	1
451712	PL.40807	C	Consumer	7.52Y	125.3	0.00	0.73	0.45	0	3	0	100	0.00	0.0	2.080	0.000	3	0	1	1
451749	PL.17941	C	Consumer	7.52Y	125.3	0.00	0.73	0.67	0	5	0	100	0.00	0.0	1.997	0.000	5	0	1	1
PL.40804	PL.17941	C	4ACSR	7.52Y	125.3	0.00	0.73	1.31	1	10	0	100	0.00	0.0	2.001	0.004	0	0	0	1
PD.7260	PL.40804	C	fuse6AMP	7.52Y	125.3	0.00	0.73	1.31	22	10	0	100	0.00	0.0	2.001	0.000	0	0	0	1
PL.40805	PD.7260	C	4ACSR	7.52Y	125.3	0.00	0.73	1.31	1	10	0	100	0.00	0.0	2.084	0.083	0	0	0	1
PL.2791	PL.40805	C	4ACSR	7.52Y	125.3	0.00	0.73	0.00	0	0	0	100	0.00	0.0	2.164	0.081	0	0	0	0
451730	PL.40805	C	Consumer	7.52Y	125.3	0.00	0.73	1.31	0	10	0	100	0.00	0.0	2.084	0.000	10	0	1	1
PL.6532	PL.17940	C	4ACSR	7.52Y	125.3	0.00	0.72	0.00	0	0	0	100	0.00	0.0	1.970	0.000	0	0	0	0
451752	PL.9231	C	Consumer	7.52Y	125.3	0.00	0.72	0.27	0	2	0	100	0.00	0.0	1.970	0.000	2	0	1	1
PL.40802	PL.9231	C	4ACSR	7.52Y	125.3	0.00	0.73	2.53	1	19	1	100	0.00	0.0	1.975	0.005	0	0	0	4
PD.7259	PL.40802	C	fuse6AMP	7.52Y	125.3	0.00	0.73	2.53	43	19	1	100	0.00	0.0	1.975	0.000	0	0	0	4
PL.40803	PD.7259	C	4ACSR	7.52Y	125.3	0.00	0.73	2.53	1	19	1	100	0.00	0.0	2.017	0.042	0	0	0	4
PL.22911	PL.40803	C	4ACSR	7.52Y	125.3	0.00	0.73	1.07	1	8	0	100	0.00	0.0	2.049	0.032	0	0	0	3
451732	PL.22911	C	Consumer	7.52Y	125.3	0.00	0.73	0.77	0	6	0	100	0.00	0.0	2.049	0.000	6	0	1	1
451735	PL.22911	C	Consumer	7.52Y	125.3	0.00	0.73	0.01	0	0	0	100	0.00	0.0	2.049	0.000	0	0	1	1
451731	PL.22911	C	Consumer	7.52Y	125.3	0.00	0.73	0.29	0	2	0	100	0.00	0.0	2.049	0.000	2	0	1	1
451744	PL.40803	C	Consumer	7.52Y	125.3	0.00	0.73	1.46	0	11	0	100	0.00	0.0	2.017	0.000	11	0	1	1
451751	PL.9230	C	Consumer	7.52Y	125.3	0.00	0.72	0.10	0	1	0	100	0.00	0.0	1.935	0.000	1	0	1	1
451736	PL.9230	C	Consumer	7.52Y	125.3	0.00	0.72	0.23	0	2	0	100	0.00	0.0	1.935	0.000	2	0	1	1
PL.40676	PL.9230	C	4ACSR	7.52Y	125.3	0.00	0.72	1.92	1	14	0	100	0.00	0.0	1.940	0.005	0	0	0	4
PD.7258	PL.40676	C	fuse6AMP	7.52Y	125.3	0.00	0.72	1.92	33	14	0	100	0.00	0.0	1.940	0.000	0	0	0	4
PL.40677	PD.7258	C	4ACSR	7.52Y	125.3	0.00	0.72	1.92	1	14	0	100	0.00	0.0	1.970	0.030	0	0	0	4
451733	PL.40677	C	Consumer	7.52Y	125.3	0.00	0.72	0.05	0	0	0	100	0.00	0.0	1.970	0.000	0	0	1	1
451739	PL.40677	C	Consumer	7.52Y	125.3	0.00	0.72	1.16	0	9	0	100	0.00	0.0	1.970	0.000	9	0	1	1
451728	PL.40677	C	Consumer	7.52Y	125.3	0.00	0.72	0.00	0	0	0	100	0.00	0.0	1.970	0.000	0	0	1	1
451729	PL.40677	C	Consumer	7.52Y	125.3	0.00	0.72	0.71	0	5	0	100	0.00	0.0	1.970	0.000	5	0	1	1
451757	PL.6533	C	Consumer	7.52Y	125.3	0.00	0.70	0.37	0	3	0	100	0.00	0.0	1.882	0.000	3	0	1	1
451748	PL.6533	C	Consumer	7.52Y	125.3	0.00	0.70	0.00	0	0	0	100	0.00	0.0	1.882	0.000	0	0	1	1
PL.40674	PL.6533	C	4ACSR	7.52Y	125.3	0.00	0.70	5.15	3	39	1	100	0.00	0.0	1.887	0.005	0	0	0	19
C PD.7256	PL.40674	C	fuse6AMP	7.52Y	125.3	0.00	0.70	5.15	88	39	1	100	0.00	0.0	1.887	0.000	0	0	0	19 C
PL.40675	PD.7256	C	4ACSR	7.52Y	125.3	0.01	0.71	5.15	3	39	1	100	0.00	0.0	1.955	0.067	0	0	0	19

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: CAVE RUN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.21911	PL.40675	C	4ACSR	7.52Y	125.3	0.00	0.71	5.15	3	39	1	100	0.00	0.0	1.956	0.002	0	0	0	19
451713	PL.21911	C	Consumer	7.52Y	125.3	0.00	0.71	0.44	0	3	0	100	0.00	0.0	1.956	0.000	3	0	1	1
451734	PL.21911	C	Consumer	7.52Y	125.3	0.00	0.71	0.04	0	0	0	100	0.00	0.0	1.956	0.000	0	0	1	1
PL.21912	PL.21911	C	4ACSR	7.52Y	125.3	0.01	0.72	4.68	2	35	1	100	0.00	0.0	1.988	0.032	0	0	0	17
451754	PL.21912	C	Consumer	7.52Y	125.3	0.00	0.72	0.00	0	0	0	100	0.00	0.0	1.988	0.000	0	0	1	1
451720	PL.21912	C	Consumer	7.52Y	125.3	0.00	0.72	0.00	0	0	0	100	0.00	0.0	1.988	0.000	0	0	1	1
451723	PL.21912	C	Consumer	7.52Y	125.3	0.00	0.72	0.00	0	0	0	100	0.00	0.0	1.988	0.000	0	0	1	1
451722	PL.21912	C	Consumer	7.52Y	125.3	0.00	0.72	0.00	0	0	0	100	0.00	0.0	1.988	0.000	0	0	1	1
451755	PL.21912	C	Consumer	7.52Y	125.3	0.00	0.72	0.00	0	0	0	100	0.00	0.0	1.988	0.000	0	0	1	1
451741	PL.21912	C	Consumer	7.52Y	125.3	0.00	0.72	0.07	0	1	0	100	0.00	0.0	1.988	0.000	1	0	1	1
451721	PL.21912	C	Consumer	7.52Y	125.3	0.00	0.72	0.00	0	0	0	100	0.00	0.0	1.988	0.000	0	0	0	0
PL.22664	PL.21912	C	4ACSR	7.52Y	125.3	0.01	0.72	4.60	2	35	1	100	0.00	0.0	2.017	0.029	0	0	0	11
451716	PL.22664	C	Consumer	7.52Y	125.3	0.00	0.72	1.06	0	8	0	100	0.00	0.0	2.017	0.000	8	0	1	1
451717	PL.22664	C	Consumer	7.52Y	125.3	0.00	0.72	0.00	0	0	0	100	0.00	0.0	2.017	0.000	0	0	0	0
451750	PL.22664	C	Consumer	7.52Y	125.3	0.00	0.72	0.00	0	0	0	100	0.00	0.0	2.017	0.000	0	0	0	0
451745	PL.22664	C	Consumer	7.52Y	125.3	0.00	0.72	0.07	0	0	0	100	0.00	0.0	2.017	0.000	0	0	1	1
451725	PL.22664	C	Consumer	7.52Y	125.3	0.00	0.72	0.80	0	6	0	100	0.00	0.0	2.017	0.000	6	0	1	1
451738	PL.22664	C	Consumer	7.52Y	125.3	0.00	0.72	0.38	0	3	0	100	0.00	0.0	2.017	0.000	3	0	1	1
451753	PL.22664	C	Consumer	7.52Y	125.3	0.00	0.72	0.03	0	0	0	100	0.00	0.0	2.017	0.000	0	0	1	1
451759	PL.22664	C	Consumer	7.52Y	125.3	0.00	0.72	0.00	0	0	0	100	0.00	0.0	2.017	0.000	0	0	1	1
451756	PL.22664	C	Consumer	7.52Y	125.3	0.00	0.72	0.00	0	0	0	100	0.00	0.0	2.017	0.000	0	0	1	1
451740	PL.22664	C	Consumer	7.52Y	125.3	0.00	0.72	0.39	0	3	0	100	0.00	0.0	2.017	0.000	3	0	1	1
451718	PL.22664	C	Consumer	7.52Y	125.3	0.00	0.72	0.42	0	3	0	100	0.00	0.0	2.017	0.000	3	0	1	1
451719	PL.22664	C	Consumer	7.52Y	125.3	0.00	0.72	0.18	0	1	0	100	0.00	0.0	2.017	0.000	1	0	1	1
451746	PL.22664	C	Consumer	7.52Y	125.3	0.00	0.72	1.28	0	10	0	100	0.00	0.0	2.017	0.000	10	0	1	1
451707	PL.27915	C	Consumer	7.52Y	125.3	0.00	0.67	0.00	0	0	0	100	0.00	0.0	1.836	0.000	0	0	0	0
PL.15554	PL.20889	A	1/0ACSR	7.55Y	125.8	0.00	0.22	0.36	0	3	0	100	0.00	0.0	1.795	0.046	0	0	0	1
		B		7.55Y	125.8	-0.00	0.16	0.00	0	0	0	100					0	0	0	0
		C		7.52Y	125.4	0.00	0.62	0.00	0	0	0	100					0	0	0	0
PD.397-A	PL.15554	A	Closed	7.55Y	125.8	0.00	0.22	0.36	0	3	0	100	0.00	0.0	1.795	0.000	0	0	0	1
		B		7.55Y	125.8	0.00	0.16	0.00	0	0	0	100					0	0	0	0
		C		7.52Y	125.4	0.00	0.62	0.00	0	0	0	100					0	0	0	0
PD.397-B	PD.397-A	A	Closed	7.55Y	125.8	0.00	0.22	0.36	0	3	0	100	0.00	0.0	1.795	0.000	0	0	0	1
		B		7.55Y	125.8	0.00	0.16	0.00	0	0	0	100					0	0	0	0
		C		7.52Y	125.4	0.00	0.62	0.00	0	0	0	100					0	0	0	0
PL.15555	PD.397-B	A	1/0ACSR	7.55Y	125.8	0.01	0.23	0.36	0	3	0	100	0.00	0.0	3.693	1.898	0	0	0	1
		B		7.55Y	125.8	-0.01	0.15	0.00	0	0	0	100					0	0	0	0
		C		7.52Y	125.4	0.00	0.62	0.00	0	0	0	100					0	0	0	0
PL.119	PL.15555	A	1/0ACSR	7.55Y	125.8	0.00	0.23	0.36	0	3	0	100	0.00	0.0	4.228	0.535	0	0	0	1
		B		7.55Y	125.8	-0.00	0.15	0.00	0	0	0	100					0	0	0	0
		C		7.52Y	125.4	0.00	0.62	0.00	0	0	0	100					0	0	0	0
PL.6542	PL.119	A	1/0ACSR	7.55Y	125.8	0.01	0.24	0.36	0	3	0	100	0.00	0.0	5.056	0.828	0	0	0	1
		B		7.55Y	125.9	-0.00	0.15	0.00	0	0	0	100					0	0	0	0
		C		7.52Y	125.4	0.00	0.63	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: CAVE RUN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.6543	PL.6542	A	1/0ACSR	7.55Y	125.8	0.00	0.24	0.00	0	0	0	100	0.00	0.0	5.337	0.282	0	0	0	0
		B		7.55Y	125.9	0.00	0.15	0.00	0	0	0	100					0	0	0	0
		C		7.52Y	125.4	0.00	0.63	0.00	0	0	0	100					0	0	0	0
PL.126	PL.6543	A	4ACSR	7.55Y	125.8	0.00	0.24	0.00	0	0	0	100	0.00	0.0	5.420	0.083	0	0	0	0
		B		7.55Y	125.9	0.00	0.15	0.00	0	0	0	100					0	0	0	0
		C		7.52Y	125.4	0.00	0.63	0.00	0	0	0	100					0	0	0	0
PL.8606	PL.126	A	4ACSR	7.55Y	125.8	0.00	0.24	0.00	0	0	0	100	0.00	0.0	6.142	0.722	0	0	0	0
		B		7.55Y	125.9	0.00	0.15	0.00	0	0	0	100					0	0	0	0
		C		7.52Y	125.4	0.00	0.63	0.00	0	0	0	100					0	0	0	0
PL.15556	PL.8606	A	4ACSR	7.55Y	125.8	0.00	0.24	0.00	0	0	0	100	0.00	0.0	6.200	0.057	0	0	0	0
		B		7.55Y	125.9	0.00	0.15	0.00	0	0	0	100					0	0	0	0
		C		7.52Y	125.4	0.00	0.63	0.00	0	0	0	100					0	0	0	0
PD.403-A	PL.15556	A	Open	7.55Y	125.8	0.00	0.24	0.00	0	0	0	100	0.00	0.0	6.200	0.000	0	0	0	0
		B		7.55Y	125.9	0.00	0.15	0.00	0	0	0	100					0	0	0	0
		C		7.52Y	125.4	0.00	0.63	0.00	0	0	0	100					0	0	0	0
452501	PL.6542	A	Consumer	7.55Y	125.8	0.00	0.24	0.36	0	3	0	100	0.00	0.0	5.056	0.000	3	0	1	1
PL.120	PL.9221	A	1/0ACSR	7.54Y	125.7	0.00	0.25	0.93	0	6	3	89	0.00	0.0	1.572	0.087	0	0	0	1
		B		7.55Y	125.9	-0.00	0.14	0.00	0	0	0	100					0	0	0	0
		C		7.53Y	125.5	0.00	0.54	0.00	0	0	0	100					0	0	0	0
PL.9216	PL.120	A	1/0ACSR	7.54Y	125.7	0.00	0.25	0.93	0	6	3	89	0.00	0.0	1.590	0.019	0	0	0	1
		B		7.55Y	125.9	-0.00	0.14	0.00	0	0	0	100					0	0	0	0
		C		7.53Y	125.5	0.00	0.54	0.00	0	0	0	100					0	0	0	0
PD.7257	PL.9216	A	fuse6AMP	7.54Y	125.7	0.00	0.25	0.93	16	6	3	89	0.00	0.0	1.590	0.000	0	0	0	1
		B		7.55Y	125.9	0.00	0.14	0.00	0	0	0	100					0	0	0	0
		C		7.53Y	125.5	0.00	0.54	0.00	0	0	0	100					0	0	0	0
PL.9219	PD.7257	A	1/0ACSR	7.54Y	125.7	0.00	0.26	0.93	0	6	3	89	0.00	0.0	1.773	0.182	0	0	0	1
		B		7.55Y	125.9	-0.00	0.14	0.00	0	0	0	100					0	0	0	0
		C		7.53Y	125.5	0.00	0.54	0.00	0	0	0	100					0	0	0	0
PL.15551	PL.9219	A	4ACSR	7.54Y	125.7	0.00	0.26	0.93	0	6	3	89	0.00	0.0	1.773	0.001	0	0	0	1
PL.15552	PL.15551	A	4ACSR	7.54Y	125.7	0.00	0.26	0.93	0	6	3	89	0.00	0.0	1.780	0.007	0	0	0	1
PD.1040	PL.15552	A	fuse6AMP	7.54Y	125.7	0.00	0.26	0.93	16	6	3	89	0.00	0.0	1.780	0.000	0	0	0	1
PL.15553	PD.1040	A	4ACSR	7.54Y	125.7	0.00	0.26	0.93	0	6	3	89	0.00	0.0	1.878	0.098	0	0	0	1
PL.2798	PL.15553	A	4ACSR	7.54Y	125.7	0.00	0.27	0.93	0	6	3	89	0.00	0.0	1.987	0.109	0	0	0	1
451824	PL.2798	A	Consumer	7.54Y	125.7	0.00	0.27	0.93	0	6	3	89	0.00	0.0	1.987	0.000	6	3	1	1
PL.2799	PL.15553	A	4ACSR	7.54Y	125.7	0.00	0.26	0.00	0	0	0	100	0.00	0.0	2.016	0.138	0	0	0	0
PL.29287	PL.9220	A	4ACSR	7.54Y	125.7	0.00	0.27	0.00	0	0	0	100	0.00	0.0	1.410	0.049	0	0	0	0
450803	PL.20406	C	Consumer	7.54Y	125.6	0.00	0.41	1.37	0	10	0	100	0.00	0.0	1.006	0.000	10	0	1	1
PL.15546	PL.9159	A	336ACSR	7.54Y	125.7	0.00	0.31	10.65	1	80	8	100	0.00	0.0	0.746	0.003	0	0	0	15
		B		7.56Y	125.9	0.00	0.07	6.19	1	44	16	94					0	0	0	6
		C		7.54Y	125.7	0.00	0.32	3.43	0	25	6	97					0	0	0	1
PL.15547	PL.15546	A	336ACSR	7.54Y	125.7	0.01	0.31	10.65	1	80	8	100	0.00	0.0	0.810	0.064	0	0	0	15
		B		7.56Y	125.9	0.00	0.07	6.19	1	44	16	94					0	0	0	6
		C		7.54Y	125.7	0.00	0.32	3.43	0	25	6	97					0	0	0	1
PL.15544	PL.15547	A	336ACSR	7.54Y	125.7	0.00	0.31	8.85	1	66	7	99	0.00	0.0	0.813	0.003	0	0	0	11
		B		7.56Y	125.9	0.00	0.07	6.19	1	44	16	94					0	0	0	6
		C		7.54Y	125.7	0.00	0.32	3.43	0	25	6	97					0	0	0	1
PL.40672	PL.15544	A	336ACSR	7.54Y	125.7	0.00	0.32	8.85	1	66	7	99	0.00	0.0	0.847	0.034	0	0	0	11
		B		7.56Y	125.9	0.00	0.08	6.19	1	44	16	94					0	0	0	6
		C		7.54Y	125.7	0.00	0.32	3.43	0	25	6	97					0	0	0	1
PD.7255	PL.40672	A	35V4E	7.54Y	125.7	0.00	0.32	8.85	25	66	7	99	0.00	0.0	0.847	0.000	0	0	0	11
		B		7.56Y	125.9	0.00	0.08	6.19	18	44	16	94					0	0	0	6
		C		7.54Y	125.7	0.00	0.32	3.43	10	25	6	97					0	0	0	1

Unbalanced Voltage Drop Report
Source: CAVE RUN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.40673	PD.7255	A	336ACSR	7.54Y	125.7	0.00	0.32	8.85	1	66	7	99	0.00	0.0	0.882	0.035	0	0	0	11
		B		7.56Y	125.9	0.00	0.08	6.19	1	44	16	94					0	0	0	6
		C		7.54Y	125.7	0.00	0.32	3.43	0	25	6	97					0	0	0	1
PL.6538	PL.40673	A	336ACSR	7.54Y	125.7	0.00	0.32	8.85	1	66	7	99	0.00	0.0	0.930	0.048	0	0	0	9
		B		7.56Y	125.9	0.00	0.08	6.19	1	44	16	94					0	0	0	6
		C		7.54Y	125.7	0.00	0.33	3.43	0	25	6	97					0	0	0	1
PL.6539	PL.6538	A	336ACSR	7.54Y	125.7	0.00	0.32	8.84	1	66	7	99	0.00	0.0	0.953	0.023	0	0	0	8
		B		7.56Y	125.9	0.00	0.08	6.19	1	44	16	94					0	0	0	6
		C		7.54Y	125.7	0.00	0.33	3.43	0	25	6	97					0	0	0	1
PL.9222	PL.6539	A	336ACSR	7.54Y	125.7	0.00	0.33	8.77	1	66	7	99	0.00	0.0	0.998	0.045	0	0	0	7
		B		7.56Y	125.9	0.00	0.08	6.19	1	44	16	94					0	0	0	6
		C		7.54Y	125.7	0.00	0.33	3.43	0	25	6	97					0	0	0	1
PL.9223	PL.9222	A	336ACSR	7.54Y	125.7	0.01	0.34	3.46	0	25	6	97	0.00	0.0	1.358	0.360	0	0	0	2
		B		7.55Y	125.9	0.01	0.09	3.60	0	26	7	97					0	0	0	3
		C		7.54Y	125.7	0.01	0.34	3.43	0	25	6	97					0	0	0	1
PL.125	PL.9223	A	1/0EPRJCN	7.54Y	125.7	0.00	0.34	3.46	2	25	6	97	0.00	0.0	1.385	0.028	0	0	0	2
		B		7.55Y	125.9	0.00	0.09	3.60	2	26	7	97					0	0	0	3
		C		7.54Y	125.7	0.00	0.34	3.43	2	25	6	97					0	0	0	1
PL.9228	PL.125	A	1/0EPRJCN	7.54Y	125.7	0.00	0.34	1.26	1	10	0	100	0.00	0.0	1.590	0.205	0	0	0	2
		B		7.55Y	125.9	0.00	0.09	1.22	1	9	1	100					0	0	0	1
		C		7.54Y	125.7	0.00	0.34	1.22	1	9	1	100					0	0	0	1
PL.29294	PL.9228	A	1/0EPRJCN	7.54Y	125.7	0.00	0.34	0.91	0	7	2	96	0.00	0.0	1.669	0.079	0	0	0	1
		B		7.55Y	125.9	0.00	0.10	0.89	0	6	3	92					0	0	0	0
		C		7.54Y	125.7	0.00	0.34	0.89	0	6	3	92					0	0	0	0
PL.29295	PL.29294	A	1/0EPRJCN	7.54Y	125.7	0.00	0.34	0.09	0	0	-1	0	0.00	0.0	1.701	0.032	0	0	0	1
PL.29297	PL.29295	A	1/0EPRJCN	7.54Y	125.7	0.00	0.34	0.07	0	0	0	100	0.00	0.0	1.746	0.045	0	0	0	1
PL.29418	PL.29297	A	1/0EPRJCN	7.54Y	125.7	0.00	0.34	0.06	0	0	0	100	0.00	0.0	1.775	0.029	0	0	0	1
P PL.29419	PL.29418	A	1/0EPRJCN	7.54Y	125.7	-0.00	0.34	-0.03	0	0	0	100	0.00	0.0	1.805	0.030	0	0	0	0 P
P PL.29296	PL.29419	A	1/0EPRJCN	7.54Y	125.7	-0.00	0.34	-0.01	0	0	0	100	0.00	0.0	1.829	0.024	0	0	0	0 P
450817	PL.29296	A	Consumer	7.54Y	125.7	0.00	0.34	0.00	0	0	0	100	0.00	0.0	1.829	0.000	0	0	0	0
450816	PL.29418	A	Consumer	7.54Y	125.7	0.00	0.34	0.05	0	0	0	100	0.00	0.0	1.775	0.000	0	0	1	1
450814	PL.29294	A	Consumer	7.54Y	125.7	0.00	0.34	0.91	0	6	3	89	0.00	0.0	1.669	0.000	6	3	0	0
		B		7.55Y	125.9	0.00	0.10	0.91	0	6	3	90					6	3	0	0
		C		7.54Y	125.7	0.00	0.34	0.91	0	6	3	90					6	3	0	0
PL.20784	PL.9228	A	1/0EPRJCN	7.54Y	125.7	0.00	0.34	0.42	0	3	-1	-95	0.00	0.0	1.895	0.305	0	0	0	0
		B		7.55Y	125.9	0.00	0.10	0.42	0	3	-1	-94					0	0	0	0
		C		7.54Y	125.7	0.00	0.34	0.42	0	3	-1	-94					0	0	0	0
P PL.9218	PL.20784	A	1/0EPRJCN	7.54Y	125.7	-0.00	0.34	-0.14	0	0	-1	0	0.00	0.0	2.112	0.217	0	0	0	0 P
P		B		7.55Y	125.9	-0.00	0.10	-0.14	0	0	-1	0					0	0	0	0 P
P		C		7.54Y	125.7	-0.00	0.34	-0.14	0	0	-1	0					0	0	0	0 P
P PL.9217	PL.9218	A	1/0EPRJCN	7.54Y	125.7	-0.00	0.34	-0.00	0	0	0	100	0.00	0.0	2.117	0.006	0	0	0	0 P
P		B		7.55Y	125.9	0.00	0.10	-0.00	0	0	0	0					0	0	0	0 P
		C		7.54Y	125.7	0.00	0.34	-0.00	0	0	0	0					0	0	0	0
451819	PL.20784	A	Consumer	7.54Y	125.7	0.00	0.34	0.44	0	3	1	95	0.00	0.0	1.895	0.000	3	1	0	0
		B		7.55Y	125.9	0.00	0.10	0.44	0	3	1	90					3	1	0	0
		C		7.54Y	125.7	0.00	0.34	0.44	0	3	1	90					3	1	0	0
PL.9226	PL.125	A	1/0EPRJCN	7.54Y	125.7	0.00	0.34	2.25	1	16	6	94	0.00	0.0	1.500	0.115	0	0	0	1
		B		7.55Y	125.9	0.00	0.09	2.42	1	17	6	94					0	0	0	3
		C		7.54Y	125.7	0.00	0.34	2.25	1	16	6	94					0	0	0	1
PL.9227	PL.9226	A	1/0EPRJCN	7.54Y	125.7	0.00	0.34	1.38	1	10	4	93	0.00	0.0	1.612	0.112	0	0	0	0
		B		7.55Y	125.9	0.00	0.10	1.38	1	10	4	92					0	0	0	0
		C		7.54Y	125.7	0.00	0.34	1.38	1	10	4	92					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: CAVE RUN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
450825	PL.9227	A	Consumer	7.54Y	125.7	0.00	0.34	1.41	0	10	5	89	0.00	0.0	1.612	0.000	10	5	0	0
		B		7.55Y	125.9	0.00	0.10	1.41	0	10	5	90					10	5	0	0
		C		7.54Y	125.7	0.00	0.34	1.41	0	10	5	90					10	5	0	0
PL.29298	PL.9226	A	1/0EPRJCN	7.54Y	125.7	0.00	0.34	0.90	0	6	2	95	0.00	0.0	1.537	0.037	0	0	0	0
		B		7.55Y	125.9	0.00	0.10	0.90	0	6	2	93					0	0	0	0
		C		7.54Y	125.7	0.00	0.34	0.90	0	6	2	93					0	0	0	0
PL.29299	PL.29298	A	1/0EPRJCN	7.54Y	125.7	0.00	0.34	0.91	0	6	3	89	0.00	0.0	1.594	0.057	0	0	0	0
		B		7.55Y	125.9	0.00	0.10	0.90	0	6	3	92					0	0	0	0
		C		7.54Y	125.7	0.00	0.34	0.91	0	6	3	92					0	0	0	0
PL.29300	PL.29299	A	1/0EPRJCN	7.54Y	125.7	0.00	0.34	0.92	0	6	3	89	0.00	0.0	1.626	0.033	0	0	0	0
		B		7.55Y	125.9	0.00	0.10	0.92	0	6	3	91					0	0	0	0
		C		7.54Y	125.7	0.00	0.34	0.92	0	6	3	91					0	0	0	0
450827	PL.29300	A	Consumer	7.54Y	125.7	0.00	0.34	0.93	0	6	3	89	0.00	0.0	1.626	0.000	6	3	0	0
		B		7.55Y	125.9	0.00	0.10	0.93	0	6	3	90					6	3	0	0
		C		7.54Y	125.7	0.00	0.34	0.93	0	6	3	90					6	3	0	0
PL.2804	PL.9226	B	1/0EPRJCN	7.55Y	125.9	0.00	0.09	0.17	0	1	0	100	0.00	0.0	1.533	0.033	0	0	0	2
450832	PL.2804	B	Consumer	7.55Y	125.9	0.00	0.09	0.16	0	1	1	71	0.00	0.0	1.533	0.000	1	1	1	1
450833	PL.2804	B	Consumer	7.55Y	125.9	0.00	0.09	0.02	0	0	0	100	0.00	0.0	1.533	0.000	0	0	1	1
PL.15739	PL.9222	A	4ACSR	7.54Y	125.7	0.00	0.33	5.36	3	40	1	100	0.00	0.0	1.002	0.004	0	0	0	5
C PD.1044	PL.15739	A	fuse6AMP	7.54Y	125.7	0.00	0.33	5.36	91	40	1	100	0.00	0.0	1.002	0.000	0	0	0	5 C
PL.15740	PD.1044	A	4ACSR	7.54Y	125.7	0.02	0.34	5.36	3	40	1	100	0.00	0.0	1.073	0.071	0	0	0	5
PL.24633	PL.15740	A	4ACSR	7.54Y	125.6	0.02	0.36	5.36	3	40	1	100	0.01	0.0	1.169	0.096	0	0	0	5
PL.24720	PL.24633	A	4ACSR	7.54Y	125.6	0.02	0.38	4.15	2	31	1	100	0.00	0.0	1.288	0.120	0	0	0	4
PL.9225	PL.24720	A	4ACSR	7.54Y	125.6	0.01	0.40	2.33	1	18	1	100	0.00	0.0	1.417	0.129	0	0	0	2
399843	PL.9225	A	Consumer	7.54Y	125.6	0.00	0.40	1.19	0	9	0	100	0.00	0.0	1.417	0.000	9	0	1	1
PL.1814	PL.9225	A	4ACSR	7.54Y	125.6	0.00	0.40	1.14	1	9	0	100	0.00	0.0	1.464	0.047	0	0	0	1
399844	PL.1814	A	Consumer	7.54Y	125.6	0.00	0.40	1.14	0	9	0	100	0.00	0.0	1.464	0.000	9	0	1	1
PL.9224	PL.9225	A	4ACSR	7.54Y	125.6	0.00	0.40	0.00	0	0	0	100	0.00	0.0	1.597	0.180	0	0	0	0
399842	PL.24720	A	Consumer	7.54Y	125.6	0.00	0.38	0.76	0	6	0	100	0.00	0.0	1.288	0.000	6	0	1	1
399847	PL.24720	A	Consumer	7.54Y	125.6	0.00	0.38	1.06	0	8	0	100	0.00	0.0	1.288	0.000	8	0	1	1
399846	PL.24633	A	Consumer	7.54Y	125.6	0.00	0.36	1.21	0	9	0	100	0.00	0.0	1.169	0.000	9	0	1	1
3998060	PL.24633	A	Consumer	7.54Y	125.6	0.00	0.36	0.00	0	0	0	100	0.00	0.0	1.169	0.000	0	0	0	0
450813	PL.9222	B	Consumer	7.56Y	125.9	0.00	0.08	1.46	0	10	5	89	0.00	0.0	0.998	0.000	10	5	1	1
450822	PL.9222	B	Consumer	7.56Y	125.9	0.00	0.08	0.17	0	1	1	71	0.00	0.0	0.998	0.000	1	1	1	1
450831	PL.9222	B	Consumer	7.56Y	125.9	0.00	0.08	0.99	0	7	3	92	0.00	0.0	0.998	0.000	7	3	1	1
450834	PL.6539	A	Consumer	7.54Y	125.7	0.00	0.32	0.07	0	1	0	100	0.00	0.0	0.953	0.000	1	0	1	1
450828	PL.6538	A	Consumer	7.54Y	125.7	0.00	0.32	0.00	0	0	0	100	0.00	0.0	0.930	0.000	0	0	1	1
450829	PL.40673	A	Consumer	7.54Y	125.7	0.00	0.32	0.01	0	0	0	100	0.00	0.0	0.882	0.000	0	0	1	1
450830	PL.40673	A	Consumer	7.54Y	125.7	0.00	0.32	0.00	0	0	0	100	0.00	0.0	0.882	0.000	0	0	1	1
PL.40670	PL.15547	A	4ACSR	7.54Y	125.7	0.00	0.31	1.80	1	14	1	100	0.00	0.0	0.814	0.004	0	0	0	4
PD.1043	PL.40670	A	fuse6AMP	7.54Y	125.7	0.00	0.31	1.80	31	14	1	100	0.00	0.0	0.814	0.000	0	0	0	4
PL.40671	PD.1043	A	4ACSR	7.54Y	125.7	0.01	0.32	1.80	1	14	1	100	0.00	0.0	0.917	0.103	0	0	0	4
450808	PL.40671	A	Consumer	7.54Y	125.7	0.00	0.32	0.00	0	0	0	100	0.00	0.0	0.917	0.000	0	0	1	1

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

Unbalanced Voltage Drop Report
Source: CAVE RUN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
450812	PL.40671	A	Consumer	7.54Y	125.7	0.00	0.32	0.04	0	0	0	100	0.00	0.0	0.917	0.000	0	0	1	1
450809	PL.40671	A	Consumer	7.54Y	125.7	0.00	0.32	1.30	0	10	0	100	0.00	0.0	0.917	0.000	10	0	1	1
450821	PL.40671	A	Consumer	7.54Y	125.7	0.00	0.32	0.47	0	4	0	100	0.00	0.0	0.917	0.000	4	0	1	1
450801	PL.124	C	Consumer	7.54Y	125.7	0.00	0.32	1.46	0	11	0	100	0.00	0.0	0.743	0.000	11	0	1	1
PL.2790	PL.9158	A	4ACSR	7.54Y	125.7	0.00	0.27	0.66	0	5	0	100	0.00	0.0	0.520	0.071	0	0	0	2
450705	PL.2790	A	Consumer	7.54Y	125.7	0.00	0.27	0.00	0	0	0	100	0.00	0.0	0.520	0.000	0	0	0	0
450710	PL.2790	A	Consumer	7.54Y	125.7	0.00	0.27	0.00	0	0	0	100	0.00	0.0	0.520	0.000	0	0	0	0
450820	PL.2790	A	Consumer	7.54Y	125.7	0.00	0.27	0.25	0	2	0	100	0.00	0.0	0.520	0.000	2	0	1	1
450703	PL.2790	A	Consumer	7.54Y	125.7	0.00	0.27	0.41	0	3	0	100	0.00	0.0	0.520	0.000	3	0	1	1
PL.2792	PL.9158	A	4ACSR	7.54Y	125.7	0.02	0.30	4.41	2	33	1	100	0.01	0.0	0.587	0.139	0	0	0	6
PL.2801	PL.2792	A	4ACSR	7.54Y	125.7	0.01	0.31	2.44	1	18	1	100	0.00	0.0	0.685	0.097	0	0	0	3
399834	PL.2801	A	Consumer	7.54Y	125.7	0.00	0.31	0.70	0	5	0	100	0.00	0.0	0.685	0.000	5	0	1	1
399828	PL.2801	A	Consumer	7.54Y	125.7	0.00	0.31	1.37	0	10	0	100	0.00	0.0	0.685	0.000	10	0	1	1
399821	PL.2801	A	Consumer	7.54Y	125.7	0.00	0.31	0.38	0	3	0	100	0.00	0.0	0.685	0.000	3	0	1	1
450704	PL.2792	A	Consumer	7.54Y	125.7	0.00	0.30	0.02	0	0	0	100	0.00	0.0	0.587	0.000	0	0	1	1
450711	PL.2792	A	Consumer	7.54Y	125.7	0.00	0.30	0.00	0	0	0	100	0.00	0.0	0.587	0.000	0	0	0	0
450718	PL.2792	A	Consumer	7.54Y	125.7	0.00	0.30	1.12	0	8	0	100	0.00	0.0	0.587	0.000	8	0	1	1
450716	PL.2792	A	Consumer	7.54Y	125.7	0.00	0.30	0.81	0	6	0	100	0.00	0.0	0.587	0.000	6	0	1	1
450702	PL.6534	B	Consumer	7.56Y	126.0	0.00	-0.01	0.95	0	7	0	100	0.00	0.0	0.327	0.000	7	0	1	1
450713	PL.6534	B	Consumer	7.56Y	126.0	0.00	-0.01	1.57	0	12	0	100	0.00	0.0	0.327	0.000	12	0	1	1
450707	PL.6534	B	Consumer	7.56Y	126.0	0.00	-0.01	0.20	0	2	0	100	0.00	0.0	0.327	0.000	2	0	1	1
PL.18761	PL.121	A	4ACSR	7.54Y	125.7	0.02	0.26	43.32	22	322	53	99	0.04	0.0	0.312	0.009	0	0	0	44
C PD.2663	PL.18761	A	35L	7.54Y	125.7	0.00	0.26	43.32	124	322	53	99	0.00	0.0	0.312	0.000	0	0	0	44 C
PL.18760	PD.2663	A	4ACSR	7.54Y	125.7	0.04	0.30	43.32	22	322	53	99	0.09	0.0	0.332	0.020	0	0	0	44
PL.9614	PL.18760	A	4ACSR	7.54Y	125.6	0.08	0.38	40.90	21	305	47	99	0.19	0.1	0.380	0.048	0	0	0	42
399783	PL.9614	A	Consumer	7.54Y	125.6	0.00	0.38	0.22	0	2	0	100	0.00	0.0	0.380	0.000	2	0	1	1
450719	PL.9614	A	Consumer	7.54Y	125.6	0.00	0.38	0.59	0	4	0	100	0.00	0.0	0.380	0.000	4	0	1	1
PL.40668	PL.9614	A	4ACSR	7.54Y	125.6	0.00	0.39	8.14	4	61	2	100	0.00	0.0	0.388	0.009	0	0	0	10
C PD.7254	PL.40668	A	fuse6AMP	7.54Y	125.6	0.00	0.39	8.14	139	61	2	100	0.00	0.0	0.388	0.000	0	0	0	10 C
PL.40669	PD.7254	A	4ACSR	7.54Y	125.6	0.01	0.40	8.14	4	61	2	100	0.01	0.0	0.428	0.040	0	0	0	10
PL.9157	PL.40669	A	4ACSR	7.54Y	125.6	0.00	0.40	8.14	4	61	2	100	0.00	0.0	0.441	0.013	0	0	0	10
PL.24001	PL.9157	A	4ACSR	7.53Y	125.6	0.03	0.43	8.14	4	61	2	100	0.01	0.0	0.519	0.077	0	0	0	10
PL.24002	PL.24001	A	4ACSR	7.53Y	125.6	0.01	0.43	3.61	2	27	1	100	0.00	0.0	0.554	0.035	0	0	0	5
PL.24711	PL.24002	A	4ACSR	7.53Y	125.6	0.00	0.44	0.79	0	6	0	100	0.00	0.0	0.602	0.047	0	0	0	2
PL.24712	PL.24711	A	4ACSR	7.53Y	125.6	0.00	0.44	0.71	0	5	0	100	0.00	0.0	0.620	0.018	0	0	0	1
399826	PL.24712	A	Consumer	7.53Y	125.6	0.00	0.44	0.00	0	0	0	100	0.00	0.0	0.620	0.000	0	0	0	0
399812	PL.24712	A	Consumer	7.53Y	125.6	0.00	0.44	0.71	0	5	0	100	0.00	0.0	0.620	0.000	5	0	1	1
399835	PL.24711	A	Consumer	7.53Y	125.6	0.00	0.44	0.07	0	1	0	100	0.00	0.0	0.602	0.000	1	0	1	1

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

Unbalanced Voltage Drop Report
Source: CAVE RUN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
399811	PL.24002	A	Consumer	7.53Y	125.6	0.00	0.43	0.08	0	1	0	100	0.00	0.0	0.554	0.000	1	0	1	1
399814	PL.24002	A	Consumer	7.53Y	125.6	0.00	0.43	0.96	0	7	0	100	0.00	0.0	0.554	0.000	7	0	1	1
399823	PL.24002	A	Consumer	7.53Y	125.6	0.00	0.43	1.79	0	13	0	100	0.00	0.0	0.554	0.000	13	0	1	1
399830	PL.24001	A	Consumer	7.53Y	125.6	0.00	0.43	1.46	0	11	0	100	0.00	0.0	0.519	0.000	11	0	1	1
399730	PL.24001	A	Consumer	7.53Y	125.6	0.00	0.43	0.41	0	3	0	100	0.00	0.0	0.519	0.000	3	0	1	1
399827	PL.24001	A	Consumer	7.53Y	125.6	0.00	0.43	1.06	0	8	0	100	0.00	0.0	0.519	0.000	8	0	1	1
399831	PL.24001	A	Consumer	7.53Y	125.6	0.00	0.43	0.01	0	0	0	100	0.00	0.0	0.519	0.000	0	0	1	1
399829	PL.24001	A	Consumer	7.53Y	125.6	0.00	0.43	1.59	0	12	0	100	0.00	0.0	0.519	0.000	12	0	1	1
PL.9613	PL.9614	A	4ACSR	7.54Y	125.6	0.02	0.40	32.04	17	237	45	98	0.03	0.0	0.394	0.014	0	0	0	30
PL.40629	PL.9613	A	4ACSR	7.53Y	125.5	0.08	0.48	32.04	17	237	45	98	0.13	0.1	0.448	0.055	0	0	0	30
399768	PL.40629	A	Consumer	7.53Y	125.5	0.00	0.48	1.06	0	8	0	100	0.00	0.0	0.448	0.000	8	0	1	1
399767	PL.40629	A	Consumer	7.53Y	125.5	0.00	0.48	1.17	0	9	0	100	0.00	0.0	0.448	0.000	9	0	1	1
399744	PL.40629	A	Consumer	7.53Y	125.5	0.00	0.48	0.00	0	0	0	100	0.00	0.0	0.448	0.000	0	0	0	0
PL.40630	PL.40629	A	4ACSR	7.53Y	125.5	0.04	0.52	29.84	15	220	44	98	0.06	0.0	0.477	0.029	0	0	0	28
PL.36666	PL.40630	A	4ACSR	7.53Y	125.4	0.04	0.56	28.27	15	208	44	98	0.07	0.0	0.513	0.035	0	0	0	26
399782	PL.36666	A	Consumer	7.53Y	125.4	0.00	0.56	9.90	0	63	39	85	0.00	0.0	0.513	0.000	63	39	1	1
399771	PL.36666	A	Consumer	7.53Y	125.4	0.00	0.56	0.37	0	3	0	100	0.00	0.0	0.513	0.000	3	0	1	1
PL.36662	PL.36666	A	4ACSR	7.53Y	125.4	0.02	0.58	18.89	10	142	4	100	0.02	0.0	0.537	0.024	0	0	0	24
PL.15742	PL.36662	A	4ACSR	7.52Y	125.4	0.03	0.61	16.73	9	126	4	100	0.03	0.0	0.581	0.045	0	0	0	21
PD.248-A	PL.15742	A	Closed	7.52Y	125.4	0.00	0.61	16.73	0	126	4	100	0.00	0.0	0.581	0.000	0	0	0	21
PD.248-B	PD.248-A	A	Closed	7.52Y	125.4	0.00	0.61	16.73	0	126	4	100	0.00	0.0	0.581	0.000	0	0	0	21
399723	PD.248-B	A	Consumer	7.52Y	125.4	0.00	0.61	0.00	0	0	0	100	0.00	0.0	0.581	0.000	0	0	1	1
PL.15741	PD.248-B	A	4ACSR	7.52Y	125.4	0.00	0.61	16.73	9	126	4	100	0.00	0.0	0.584	0.002	0	0	0	20
PL.40662	PL.15741	A	4ACSR	7.52Y	125.4	0.00	0.61	6.68	3	50	2	100	0.00	0.0	0.591	0.007	0	0	0	8
C PD.7251	PL.40662	A	fuse6AMP	7.52Y	125.4	0.00	0.61	6.68	114	50	2	100	0.00	0.0	0.591	0.000	0	0	0	8 C
PL.40663	PD.7251	A	4ACSR	7.52Y	125.4	0.01	0.62	6.68	3	50	2	100	0.00	0.0	0.636	0.045	0	0	0	8
PL.9616	PL.40663	A	4ACSR	7.52Y	125.4	0.01	0.63	5.58	3	42	1	100	0.00	0.0	0.672	0.037	0	0	0	7
PL.9617	PL.9616	A	4ACSR	7.52Y	125.4	0.00	0.63	3.36	2	25	1	100	0.00	0.0	0.677	0.005	0	0	0	4
PL.1813	PL.9617	A	4ACSR	7.52Y	125.4	0.01	0.64	3.36	2	25	1	100	0.00	0.0	0.740	0.063	0	0	0	4
399815	PL.1813	A	Consumer	7.52Y	125.4	0.00	0.64	1.67	0	13	0	100	0.00	0.0	0.740	0.000	13	0	1	1
399820	PL.1813	A	Consumer	7.52Y	125.4	0.00	0.64	0.00	0	0	0	100	0.00	0.0	0.740	0.000	0	0	1	1
399816	PL.1813	A	Consumer	7.52Y	125.4	0.00	0.64	1.68	0	13	0	100	0.00	0.0	0.740	0.000	13	0	1	1
399822	PL.1813	A	Consumer	7.52Y	125.4	0.00	0.64	0.01	0	0	0	100	0.00	0.0	0.740	0.000	0	0	1	1
399781	PL.9616	A	Consumer	7.52Y	125.4	0.00	0.63	0.81	0	6	0	100	0.00	0.0	0.672	0.000	6	0	1	1
399726	PL.9616	A	Consumer	7.52Y	125.4	0.00	0.63	0.64	0	5	0	100	0.00	0.0	0.672	0.000	5	0	1	1
399785	PL.9616	A	Consumer	7.52Y	125.4	0.00	0.63	0.77	0	6	0	100	0.00	0.0	0.672	0.000	6	0	1	1
3997108	PL.40663	A	Consumer	7.52Y	125.4	0.00	0.62	1.10	0	8	0	100	0.00	0.0	0.636	0.000	8	0	1	1
PL.9615	PL.15741	A	4ACSR	7.52Y	125.4	0.03	0.65	10.06	5	76	2	100	0.02	0.0	0.669	0.085	0	0	0	12

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: CAVE RUN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
399772	PL.9615	A	Consumer	7.52Y	125.4	0.00	0.65	1.39	0	10	0	100	0.00	0.0	0.669	0.000	10	0	1	1
399738	PL.9615	A	Consumer	7.52Y	125.4	0.00	0.65	0.96	0	7	0	100	0.00	0.0	0.669	0.000	7	0	1	1
PL.9154	PL.9615	A	4ACSR	7.52Y	125.3	0.01	0.65	7.71	4	58	2	100	0.00	0.0	0.692	0.023	0	0	0	10
PL.9156	PL.9154	A	4ACSR	7.52Y	125.3	0.01	0.66	4.86	3	37	1	100	0.00	0.0	0.733	0.041	0	0	0	6
PL.1810	PL.9156	A	4ACSR	7.52Y	125.3	0.00	0.66	1.45	1	11	0	100	0.00	0.0	0.763	0.031	0	0	0	1
399793	PL.1810	A	Consumer	7.52Y	125.3	0.00	0.66	1.45	0	11	0	100	0.00	0.0	0.763	0.000	11	0	1	1
PL.9155	PL.9156	A	4ACSR	7.52Y	125.3	0.01	0.67	3.41	2	26	1	100	0.00	0.0	0.783	0.050	0	0	0	5
399734	PL.9155	A	Consumer	7.52Y	125.3	0.00	0.67	0.38	0	3	0	100	0.00	0.0	0.783	0.000	3	0	1	1
399733	PL.9155	A	Consumer	7.52Y	125.3	0.00	0.67	1.09	0	8	0	100	0.00	0.0	0.783	0.000	8	0	1	1
PL.19533	PL.9155	A	4ACSR	7.52Y	125.3	0.00	0.67	1.94	1	15	0	100	0.00	0.0	0.816	0.033	0	0	0	3
PL.19532	PL.19533	A	4ACSR	7.52Y	125.3	0.00	0.67	1.80	1	14	0	100	0.00	0.0	0.844	0.028	0	0	0	2
PL.18717	PL.19532	A	4ACSR	7.52Y	125.3	0.00	0.67	1.80	1	14	0	100	0.00	0.0	0.874	0.030	0	0	0	2
399739	PL.18717	A	Consumer	7.52Y	125.3	0.00	0.67	0.00	0	0	0	100	0.00	0.0	0.874	0.000	0	0	0	0
PL.18716	PL.18717	A	4ACSR	7.52Y	125.3	0.00	0.68	1.80	1	14	0	100	0.00	0.0	0.932	0.057	0	0	0	2
399759	PL.18716	A	Consumer	7.52Y	125.3	0.00	0.68	1.17	0	9	0	100	0.00	0.0	0.932	0.000	9	0	1	1
399741	PL.18716	A	Consumer	7.52Y	125.3	0.00	0.68	0.63	0	5	0	100	0.00	0.0	0.932	0.000	5	0	1	1
399742	PL.19532	A	Consumer	7.52Y	125.3	0.00	0.67	0.00	0	0	0	100	0.00	0.0	0.844	0.000	0	0	0	0
399735	PL.19533	A	Consumer	7.52Y	125.3	0.00	0.67	0.13	0	1	0	100	0.00	0.0	0.816	0.000	1	0	1	1
399745	PL.9154	A	Consumer	7.52Y	125.3	0.00	0.65	0.52	0	4	0	100	0.00	0.0	0.692	0.000	4	0	1	1
399751	PL.9154	A	Consumer	7.52Y	125.3	0.00	0.65	0.99	0	7	0	100	0.00	0.0	0.692	0.000	7	0	1	1
PL.40664	PL.9154	A	4ACSR	7.52Y	125.3	0.00	0.65	1.34	1	10	0	100	0.00	0.0	0.699	0.007	0	0	0	2
PD.7252	PL.40664	A	fuse6AMP	7.52Y	125.3	0.00	0.65	1.34	23	10	0	100	0.00	0.0	0.699	0.000	0	0	0	2
PL.40665	PD.7252	A	4ACSR	7.52Y	125.3	0.00	0.66	1.34	1	10	0	100	0.00	0.0	0.746	0.047	0	0	0	2
399789	PL.40665	A	Consumer	7.52Y	125.3	0.00	0.66	0.79	0	6	0	100	0.00	0.0	0.746	0.000	6	0	1	1
399758	PL.40665	A	Consumer	7.52Y	125.3	0.00	0.66	0.55	0	4	0	100	0.00	0.0	0.746	0.000	4	0	1	1
399769	PL.36662	A	Consumer	7.53Y	125.4	0.00	0.58	0.79	0	6	0	100	0.00	0.0	0.537	0.000	6	0	1	1
399770	PL.36662	A	Consumer	7.53Y	125.4	0.00	0.58	0.25	0	2	0	100	0.00	0.0	0.537	0.000	2	0	1	1
399725	PL.36662	A	Consumer	7.53Y	125.4	0.00	0.58	1.11	0	8	0	100	0.00	0.0	0.537	0.000	8	0	1	1
3997105	PL.40630	A	Consumer	7.53Y	125.5	0.00	0.52	1.59	0	12	0	100	0.00	0.0	0.477	0.000	3	0	1	2
3997104	3997105	A	Consumer	7.53Y	125.5	0.00	0.52	1.22	0	9	0	100	0.00	0.0	0.477	0.000	9	0	1	1
450709	PL.18760	A	Consumer	7.54Y	125.7	0.00	0.30	0.67	0	5	0	100	0.00	0.0	0.332	0.000	5	0	1	1
450708	PL.18760	A	Consumer	7.54Y	125.7	0.00	0.30	1.84	0	12	6	89	0.00	0.0	0.332	0.000	12	6	1	1
450715	PL.23629	B	Consumer	7.56Y	126.0	0.00	-0.01	1.55	0	12	0	100	0.00	0.0	0.267	0.000	12	0	1	1
399711	PL.23629	B	Consumer	7.56Y	126.0	0.00	-0.01	0.62	0	5	0	100	0.00	0.0	0.267	0.000	5	0	1	1
450712	PL.23629	B	Consumer	7.56Y	126.0	0.00	-0.01	3.01	0	20	10	89	0.00	0.0	0.267	0.000	20	10	1	1
450720	PL.23629	A	Consumer	7.55Y	125.8	0.00	0.22	0.00	0	0	0	100	0.00	0.0	0.267	0.000	0	0	1	1
PL.1809	PL.18819	B	4ACSR	7.56Y	126.0	0.01	0.00	2.30	1	17	2	99	0.00	0.0	0.236	0.052	0	0	0	3
399720	PL.1809	B	Consumer	7.56Y	126.0	0.00	0.00	0.13	0	1	0	100	0.00	0.0	0.236	0.000	1	0	1	1

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

Unbalanced Voltage Drop Report
Source: CAVE RUN

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
399777	PL.1809	B	Consumer	7.56Y	126.0	0.00	0.00	1.64	0	12	0	100	0.00	0.0	0.236	0.000	12	0	1	1
399714	PL.1809	B	Consumer	7.56Y	126.0	0.00	0.00	0.57	0	4	2	89	0.00	0.0	0.236	0.000	4	2	1	1
399712	PL.18819	B	Consumer	7.56Y	126.0	0.00	-0.00	0.20	0	1	1	71	0.00	0.0	0.184	0.000	1	1	1	1
399736	PL.18819	C	Consumer	7.55Y	125.9	0.00	0.09	0.23	0	2	0	100	0.00	0.0	0.184	0.000	2	0	1	1
399773	PL.18819	C	Consumer	7.55Y	125.9	0.00	0.09	0.00	0	0	0	100	0.00	0.0	0.184	0.000	0	0	0	0
399791	PL.18819	B	Consumer	7.56Y	126.0	0.00	-0.00	0.57	0	4	0	100	0.00	0.0	0.184	0.000	4	0	1	1

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	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	1820	0	0	0	0	0	7	0.00	1828
KVAR	397	0	0	-147	0	0	11		261

Lowest Voltage	Highest Accumulated Voltage Drop	Highest Element Voltage Drop
A-Phase -> 123.70 volts on PL.29316	2.30 volts on PL.29316	0.17 volts on PL.29262
B-Phase -> 125.66 volts on PL.29429	0.34 volts on PL.29429	0.04 volts on PL.29258
C-Phase -> 124.60 volts on PL.29290	1.40 volts on PL.29290	0.15 volts on PL.122

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
CLAY CITY		A	CLAY CITY	7.56Y	126.0	0.00	0.00	625.07	0	4672	708	99	0.00	0.0	0.000	0.000	0	0	0	854
		B		7.56Y	126.0	0.00	0.00	436.76	0	3273	436	99					0	0	0	608
		C		7.56Y	126.0	0.00	0.00	482.93	0	3616	502	99					0	0	0	623
PL.29122	CLAY CITY	A	336ACSR	7.56Y	126.0	0.00	0.00	22.04	3	163	-36	-98	0.00	0.0	0.004	0.004	0	0	0	1
		B		7.56Y	126.0	0.00	0.00	22.04	3	163	-36	-98					0	0	0	1
		C		7.56Y	126.0	0.00	0.00	22.04	3	163	-36	-98					0	0	0	1
PL.32844	PL.29122	A	336ACSR	7.56Y	126.0	0.00	0.00	22.04	3	163	-36	-98	0.00	0.0	0.005	0.001	0	0	0	1
		B		7.56Y	126.0	0.00	0.00	22.04	3	163	-36	-98					0	0	0	1
		C		7.56Y	126.0	0.00	0.00	22.04	3	163	-36	-98					0	0	0	1
---------- Feeder No. 3 (CLAYCTY3) Beginning with Device PD.3883 ----------																				
PD.3883	PL.32844	A	VWVE	7.56Y	126.0	0.00	0.00	22.04	0	163	-36	-98	0.00	0.0	0.005	0.000	0	0	0	1
		B		7.56Y	126.0	0.00	0.00	22.04	0	163	-36	-98					0	0	0	1
		C		7.56Y	126.0	0.00	0.00	22.04	0	163	-36	-98					0	0	0	1
PL.32845	PD.3883	A	336ACSR	7.56Y	126.0	0.01	0.01	22.04	3	163	-36	-98	0.05	0.0	0.120	0.116	0	0	0	1
		B		7.56Y	126.0	0.01	0.01	22.04	3	163	-36	-98					0	0	0	1
		C		7.56Y	126.0	0.01	0.01	22.04	3	163	-36	-98					0	0	0	1
P CP.1	PL.32845	A	Cap (300)	7.56Y	126.0	0.00	0.01	-14.58	0	0	-110	0	0.00	0.0	0.120	0.000	0	0	0	0 P
P		B		7.56Y	126.0	0.00	0.01	-14.58	0	0	-110	0					0	0	0	0 P
P		C		7.56Y	126.0	0.00	0.01	-14.58	0	0	-110	0					0	0	0	0 P
PL.42670	PL.32845	A	336ACSR	7.56Y	126.0	0.01	0.01	23.62	3	163	74	91	0.01	0.0	0.145	0.025	0	0	0	1
		B		7.56Y	126.0	0.01	0.01	23.62	3	163	74	91					0	0	0	1
		C		7.56Y	126.0	0.01	0.01	23.62	3	163	74	91					0	0	0	1
PL.43673	PL.42670	A	1/0EPRJCN	7.56Y	126.0	0.01	0.02	23.62	12	163	74	91	0.05	0.0	0.179	0.034	0	0	0	1
		B		7.56Y	126.0	0.01	0.02	23.62	12	163	74	91					0	0	0	1
		C		7.56Y	126.0	0.01	0.02	23.62	12	163	74	91					0	0	0	1
PL.21368	PL.43673	A	1/0EPRJCN	7.56Y	126.0	0.01	0.03	16.68	9	113	56	90	0.02	0.0	0.206	0.027	0	0	0	0
		B		7.56Y	126.0	0.01	0.03	16.68	9	113	56	90					0	0	0	0
		C		7.56Y	126.0	0.01	0.03	16.68	9	113	56	90					0	0	0	0
PL.21369	PL.21368	A	1/0EPRJCN	7.56Y	126.0	0.01	0.04	16.69	9	113	56	90	0.03	0.0	0.252	0.045	0	0	0	0
		B		7.56Y	126.0	0.01	0.04	16.69	9	113	56	90					0	0	0	0
		C		7.56Y	126.0	0.01	0.04	16.69	9	113	56	90					0	0	0	0
019482	PL.21369	A	Consumer	7.56Y	126.0	0.00	0.04	16.70	0	113	56	90	0.00	0.0	0.252	0.000	113	56	0	0
		B		7.56Y	126.0	0.00	0.04	16.70	0	113	56	90					113	56	0	0
		C		7.56Y	126.0	0.00	0.04	16.70	0	113	56	90					113	56	0	0
PL.43674	PL.43673	A	1/0EPRJCN	7.56Y	126.0	0.01	0.03	6.98	4	50	18	94	0.01	0.0	0.225	0.046	0	0	0	0
		B		7.56Y	126.0	0.01	0.03	6.98	4	50	18	94					0	0	0	0
		C		7.56Y	126.0	0.01	0.03	6.98	4	50	18	94					0	0	0	0
PL.23749	PL.43674	A	1/0EPRJCN	7.56Y	126.0	0.01	0.04	6.99	4	50	18	94	0.01	0.0	0.293	0.068	0	0	0	0
		B		7.56Y	126.0	0.01	0.04	6.99	4	50	18	94					0	0	0	0
		C		7.56Y	126.0	0.01	0.04	6.99	4	50	18	94					0	0	0	0
019483	PL.23749	A	Consumer	7.56Y	126.0	0.00	0.04	7.00	0	50	19	93	0.00	0.0	0.293	0.000	50	19	0	0
		B		7.56Y	126.0	0.00	0.04	7.00	0	49	19	94					50	19	0	0
		C		7.56Y	126.0	0.00	0.04	7.00	0	50	19	94					50	19	0	0
PL.42667	CLAY CITY	A	336ACSR	7.56Y	126.0	0.00	0.00	150.11	21	1133	65	100	0.04	0.0	0.002	0.002	0	0	0	247
		B		7.56Y	126.0	0.00	0.00	106.10	15	802	9	100					0	0	0	193
		C		7.56Y	126.0	0.00	0.00	140.14	19	1058	63	100					0	0	0	208
PL.32846	PL.42667	A	336ACSR	7.56Y	126.0	0.00	0.00	150.11	21	1133	65	100	0.02	0.0	0.004	0.002	0	0	0	247
		B		7.56Y	126.0	0.00	0.00	106.10	15	802	9	100					0	0	0	193
		C		7.56Y	126.0	0.00	0.00	140.14	19	1058	63	100					0	0	0	208
---------- Feeder No. 4 (CLAYCTY4) Beginning with Device PD.3884 ----------																				
PD.3884	PL.32846	A	VWVE	7.56Y	126.0	0.00	0.00	150.11	0	1133	65	100	0.00	0.0	0.004	0.000	0	0	0	247
		B		7.56Y	126.0	0.00	0.00	106.10	0	802	9	100					0	0	0	193
		C		7.56Y	126.0	0.00	0.00	140.14	0	1058	63	100					0	0	0	208

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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.45428	PD.3884	A	336ACSR	7.55Y	125.9	0.08	0.08	150.11	21	1133	65	100	1.79	0.1	0.125	0.121	0	0	0	247
		B		7.56Y	126.0	0.04	0.04	106.10	15	802	9	100					0	0	0	193
		C		7.55Y	125.9	0.12	0.13	140.14	19	1058	63	100					0	0	0	208
0194125	PL.45428	A	Consumer	7.55Y	125.9	0.00	0.08	0.00	0	0	0	100	0.00	0.0	0.125	0.000	0	0	0	0
		B		7.56Y	126.0	0.00	0.04	0.00	0	0	0	100					0	0	0	0
		C		7.55Y	125.9	0.00	0.13	0.00	0	0	0	100					0	0	0	0
PL.45429	PL.45428	A	336ACSR	7.54Y	125.6	0.27	0.36	150.11	21	1132	63	100	6.11	0.2	0.538	0.413	0	0	0	247
		B		7.55Y	125.8	0.13	0.16	106.10	15	802	8	100					0	0	0	193
		C		7.53Y	125.5	0.42	0.54	140.14	19	1057	62	100					0	0	0	208
PL.42345	PL.45429	A	336ACSR	7.53Y	125.5	0.12	0.48	127.09	17	958	28	100	2.71	0.1	0.764	0.226	0	0	0	212
		B		7.54Y	125.7	0.09	0.26	106.10	15	801	6	100					0	0	0	193
		C		7.52Y	125.3	0.18	0.72	127.72	17	960	42	100					0	0	0	185
019587	PL.42345	C	Consumer	7.52Y	125.3	0.00	0.72	0.87	0	6	1	99	0.00	0.0	0.764	0.000	6	1	1	1
PL.12922	PL.42345	A	336ACSR	7.53Y	125.5	0.00	0.48	0.00	0	0	0	100	0.00	0.0	0.990	0.226	0	0	0	0
		B		7.54Y	125.7	0.00	0.26	0.00	0	0	0	100					0	0	0	0
		C		7.52Y	125.3	0.00	0.72	0.00	0	0	0	100					0	0	0	0
PL.17130	PL.42345	A	336ACSR	7.53Y	125.5	0.04	0.52	127.09	17	957	26	100	0.91	0.0	0.840	0.076	0	0	0	212
		B		7.54Y	125.7	0.03	0.29	106.10	15	800	5	100					0	0	0	193
		C		7.51Y	125.2	0.06	0.78	126.85	17	953	38	100					0	0	0	184
PD.154-A	PL.17130	A	Closed	7.53Y	125.5	0.00	0.52	127.09	0	957	25	100	0.00	0.0	0.840	0.000	0	0	0	212
		B		7.54Y	125.7	0.00	0.29	106.10	0	800	4	100					0	0	0	193
		C		7.51Y	125.2	0.00	0.78	126.85	0	952	38	100					0	0	0	184
PD.154-B	PD.154-A	A	Closed	7.53Y	125.5	0.00	0.52	127.09	0	957	25	100	0.00	0.0	0.840	0.000	0	0	0	212
		B		7.54Y	125.7	0.00	0.29	106.10	0	800	4	100					0	0	0	193
		C		7.51Y	125.2	0.00	0.78	126.85	0	952	38	100					0	0	0	184
PL.17131	PD.154-B	A	336ACSR	7.53Y	125.5	0.03	0.55	127.09	17	957	25	100	0.68	0.0	0.898	0.057	0	0	0	212
		B		7.54Y	125.7	0.02	0.31	106.10	15	800	4	100					0	0	0	193
		C		7.51Y	125.2	0.05	0.83	126.85	17	952	38	100					0	0	0	184
PL.12923	PL.17131	A	336ACSR	7.53Y	125.4	0.03	0.57	127.03	17	956	24	100	0.60	0.0	0.948	0.050	0	0	0	211
		B		7.54Y	125.7	0.02	0.34	106.10	15	800	4	100					0	0	0	193
		C		7.51Y	125.1	0.04	0.87	126.85	17	952	37	100					0	0	0	184
PL.12924	PL.12923	A	336ACSR	7.52Y	125.4	0.04	0.62	127.03	17	956	23	100	0.95	0.0	1.028	0.080	0	0	0	211
		B		7.54Y	125.6	0.03	0.37	106.10	15	800	3	100					0	0	0	193
		C		7.50Y	125.1	0.06	0.93	126.85	17	952	36	100					0	0	0	184
PL.12919	PL.12924	A	336ACSR	7.52Y	125.4	0.02	0.63	78.57	11	582	105	98	0.05	0.0	1.048	0.020	0	0	0	125
		B		7.54Y	125.6	-0.01	0.36	26.23	4	195	33	99					0	0	0	47
		C		7.50Y	125.1	0.00	0.93	4.13	1	31	5	99					0	0	0	9
PL.12920	PL.12919	A	336ACSR	7.52Y	125.3	0.02	0.66	78.57	11	582	105	98	0.07	0.0	1.076	0.029	0	0	0	125
		B		7.54Y	125.6	-0.01	0.35	26.23	4	195	33	99					0	0	0	47
		C		7.50Y	125.1	0.00	0.94	4.13	1	31	5	99					0	0	0	9
PL.12921	PL.12920	A	336ACSR	7.52Y	125.3	0.02	0.68	78.57	11	582	105	98	0.06	0.0	1.101	0.024	0	0	0	125
		B		7.54Y	125.7	-0.01	0.35	25.96	4	193	33	99					0	0	0	46
		C		7.50Y	125.1	0.00	0.94	4.13	1	31	5	99					0	0	0	9
019551	PL.12921	A	Consumer	7.52Y	125.3	0.00	0.68	1.31	0	10	2	98	0.00	0.0	1.101	0.000	10	2	1	1
PL.12933	PL.12921	A	336ACSR	7.52Y	125.3	0.04	0.72	77.26	11	572	103	98	0.12	0.0	1.151	0.050	0	0	0	124
		B		7.54Y	125.7	-0.01	0.33	25.96	4	193	33	99					0	0	0	46
		C		7.50Y	125.1	0.01	0.95	4.13	1	31	5	99					0	0	0	9
PL.29514	PL.12933	C	4ACSR	7.50Y	125.0	0.00	0.95	0.94	0	7	1	99	0.00	0.0	1.156	0.006	0	0	0	4
PD.1934	PL.29514	C	fuse6AMP	7.50Y	125.0	0.00	0.95	0.94	16	7	1	99	0.00	0.0	1.156	0.000	0	0	0	4
PL.29515	PD.1934	C	4ACSR	7.50Y	125.0	0.00	0.95	0.94	0	7	1	99	0.00	0.0	1.189	0.032	0	0	0	4
019515	PL.29515	C	Consumer	7.50Y	125.0	0.00	0.95	0.10	0	1	0	100	0.00	0.0	1.189	0.000	1	0	1	1
019583	PL.29515	C	Consumer	7.50Y	125.0	0.00	0.95	0.06	0	0	0	100	0.00	0.0	1.189	0.000	0	0	1	1
019504	PL.29515	C	Consumer	7.50Y	125.0	0.00	0.95	0.38	0	3	0	100	0.00	0.0	1.189	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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
019512	PL.29515	C	Consumer	7.50Y	125.0	0.00	0.95	0.40	0	3	0	100	0.00	0.0	1.189	0.000	3	0	1	1
PL.12935	PL.12933	A	336ACSR	7.51Y	125.2	0.09	0.80	77.26	11	572	103	98	0.25	0.0	1.255	0.104	0	0	0	124
		B		7.54Y	125.7	-0.03	0.30	25.96	4	193	33	99					0	0	0	46
		C		7.50Y	125.0	0.01	0.96	3.18	0	24	4	99					0	0	0	5
019565	PL.12935	A	Consumer	7.51Y	125.2	0.00	0.80	0.00	0	0	0	100	0.00	0.0	1.255	0.000	0	0	0	0
019522	PL.12935	C	Consumer	7.50Y	125.0	0.00	0.96	0.47	0	4	1	97	0.00	0.0	1.255	0.000	4	1	1	1
0195093	PL.12935	C	Consumer	7.50Y	125.0	0.00	0.96	0.00	0	0	0	100	0.00	0.0	1.255	0.000	0	0	1	1
019577	PL.12935	B	Consumer	7.54Y	125.7	0.00	0.30	0.23	0	2	0	100	0.00	0.0	1.255	0.000	2	0	1	1
PL.12936	PL.12935	A	336ACSR	7.51Y	125.2	0.00	0.80	77.26	11	571	102	98	0.00	0.0	1.255	0.000	0	0	0	124
		B		7.54Y	125.7	0.00	0.30	25.73	4	191	33	99					0	0	0	45
		C		7.50Y	125.0	0.00	0.96	2.71	0	20	3	99					0	0	0	3
PL.12934	PL.12936	A	336ACSR	7.51Y	125.2	0.02	0.82	77.26	11	571	102	98	0.05	0.0	1.278	0.023	0	0	0	124
		B		7.54Y	125.7	-0.01	0.30	25.73	4	191	33	99					0	0	0	45
		C		7.50Y	125.0	0.00	0.97	2.71	0	20	3	99					0	0	0	3
PL.27766	PL.12934	A	4ACSR	7.51Y	125.2	0.02	0.84	77.26	40	571	102	98	0.08	0.0	1.284	0.006	0	0	0	124
		B		7.54Y	125.7	-0.00	0.29	1.52	1	11	2	99					0	0	0	6
		C		7.50Y	125.0	0.00	0.97	2.71	1	20	3	99					0	0	0	3
PL.27767	PL.27766	A	336ACSR	7.51Y	125.1	0.03	0.87	77.26	11	571	102	98	0.10	0.0	1.327	0.043	0	0	0	124
		B		7.54Y	125.7	-0.02	0.27	1.52	0	11	2	99					0	0	0	6
		C		7.50Y	125.0	0.01	0.98	2.71	0	20	3	99					0	0	0	3
019503	PL.27767	B	Consumer	7.54Y	125.7	0.00	0.27	0.10	0	1	0	100	0.00	0.0	1.327	0.000	1	0	1	1
019540	PL.27767	B	Consumer	7.54Y	125.7	0.00	0.27	0.55	0	4	1	97	0.00	0.0	1.327	0.000	4	1	1	1
019564	PL.27767	A	Consumer	7.51Y	125.1	0.00	0.87	0.00	0	0	0	100	0.00	0.0	1.327	0.000	0	0	1	1
019516	PL.27767	B	Consumer	7.54Y	125.7	0.00	0.27	0.28	0	2	0	100	0.00	0.0	1.327	0.000	2	0	1	1
019502	PL.27767	B	Consumer	7.54Y	125.7	0.00	0.27	0.00	0	0	0	100	0.00	0.0	1.327	0.000	0	0	1	1
019576	PL.27767	B	Consumer	7.54Y	125.7	0.00	0.27	0.05	0	0	0	100	0.00	0.0	1.327	0.000	0	0	1	1
PL.45400	PL.27767	A	2ACSR	7.51Y	125.1	0.00	0.87	0.07	0	1	0	100	0.00	0.0	1.378	0.052	0	0	0	1
PL.45401	PL.45400	A	2ACSR	7.51Y	125.1	0.00	0.87	0.00	0	0	0	100	0.00	0.0	1.421	0.042	0	0	0	0
0195094	PL.45401	A	Consumer	7.51Y	125.1	0.00	0.87	0.00	0	0	0	100	0.00	0.0	1.421	0.000	0	0	0	0
019513	PL.45400	A	Consumer	7.51Y	125.1	0.00	0.87	0.07	0	1	0	100	0.00	0.0	1.378	0.000	1	0	1	1
PL.43535	PL.27767	A	336ACSR	7.51Y	125.1	0.03	0.90	77.19	11	571	102	98	0.09	0.0	1.366	0.040	0	0	0	122
		B		7.55Y	125.8	-0.02	0.25	0.54	0	4	1	99					0	0	0	1
		C		7.50Y	125.0	0.01	1.00	2.71	0	20	3	99					0	0	0	3
C PD.8583	PL.43535	A	50L	7.51Y	125.1	0.00	0.90	77.19	154	570	101	98	0.00	0.0	1.366	0.000	0	0	0	122 C
		B		7.55Y	125.8	0.00	0.25	0.54	2	4	1	99					0	0	0	1
		C		7.50Y	125.0	0.00	1.00	2.71	8	20	3	99					0	0	0	3
PL.43536	PD.8583	A	336ACSR	7.50Y	125.0	0.13	1.03	77.19	11	570	101	98	0.43	0.1	1.550	0.183	0	0	0	122
		B		7.55Y	125.8	-0.10	0.15	0.54	0	4	1	99					0	0	0	1
		C		7.50Y	124.9	0.06	1.05	2.71	0	20	3	99					0	0	0	3
PL.42281	PL.43536	A	336ACSR	7.49Y	124.8	0.12	1.15	76.60	10	566	100	98	0.38	0.1	1.716	0.166	0	0	0	121
		B		7.56Y	125.9	-0.09	0.07	0.00	0	0	0	100					0	0	0	0
		C		7.49Y	124.9	0.05	1.10	2.71	0	20	3	99					0	0	0	3
PL.42286	PL.42281	C	4ACSR	7.49Y	124.9	0.00	1.10	2.04	1	15	2	99	0.00	0.0	1.722	0.006	0	0	0	2
PD.1938	PL.42286	C	fuse6AMP	7.49Y	124.9	0.00	1.10	2.04	35	15	2	99	0.00	0.0	1.722	0.000	0	0	0	2
PL.42287	PD.1938	C	4ACSR	7.49Y	124.9	0.01	1.11	2.04	1	15	2	99	0.00	0.0	1.783	0.062	0	0	0	2
018570	PL.42287	C	Consumer	7.49Y	124.9	0.00	1.11	0.93	0	7	1	99	0.00	0.0	1.783	0.000	7	1	1	1
018566	PL.42287	C	Consumer	7.49Y	124.9	0.00	1.11	1.10	0	8	1	99	0.00	0.0	1.783	0.000	8	1	1	1

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

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
018565	PL.42281	A	Consumer	7.49Y	124.8	0.00	1.15	0.08	0	1	0	100	0.00	0.0	1.716	0.000	1	0	1	1
0185086	PL.42281	B	Consumer	7.56Y	125.9	0.00	0.07	0.00	0	0	0	100	0.00	0.0	1.716	0.000	0	0	0	0
PL.42284	PL.42281	C	4ACSR	7.49Y	124.9	0.00	1.10	0.67	0	5	1	98	0.00	0.0	1.720	0.004	0	0	0	1
PD.7677	PL.42284	C	fuse6AMP	7.49Y	124.9	0.00	1.10	0.67	12	5	1	98	0.00	0.0	1.720	0.000	0	0	0	1
PL.42285	PD.7677	C	4ACSR	7.49Y	124.9	0.00	1.11	0.67	0	5	1	98	0.00	0.0	1.773	0.053	0	0	0	1
0185084	PL.42285	C	Consumer	7.49Y	124.9	0.00	1.11	0.67	0	5	1	98	0.00	0.0	1.773	0.000	5	1	1	1
PL.42289	PL.42281	A	336ACSR	7.49Y	124.8	0.03	1.18	76.53	10	565	99	98	0.10	0.0	1.758	0.042	0	0	0	120
		B		7.56Y	126.0	-0.02	0.04	0.00	0	0	0	100					0	0	0	0
		C		7.49Y	124.9	0.01	1.12	0.00	0	0	0	100					0	0	0	0
PL.42290	PL.42289	A	336ACSR	7.49Y	124.8	0.01	1.19	76.53	10	565	98	99	0.02	0.0	1.767	0.009	0	0	0	120
		B		7.56Y	126.0	-0.00	0.04	0.00	0	0	0	100					0	0	0	0
		C		7.49Y	124.9	0.00	1.12	0.00	0	0	0	100					0	0	0	0
PL.6099	PL.42290	A	336ACSR	7.49Y	124.8	0.02	1.21	76.53	10	565	98	99	0.08	0.0	1.801	0.034	0	0	0	120
		B		7.56Y	126.0	-0.02	0.02	0.00	0	0	0	100					0	0	0	0
		C		7.49Y	124.9	0.01	1.13	0.00	0	0	0	100					0	0	0	0
018504	PL.6099	A	Consumer	7.49Y	124.8	0.00	1.21	0.91	0	7	1	99	0.00	0.0	1.801	0.000	7	1	1	1
018571	PL.6099	A	Consumer	7.49Y	124.8	0.00	1.21	0.00	0	0	0	100	0.00	0.0	1.801	0.000	0	0	0	0
PL.42295	PL.6099	A	4ACSR	7.49Y	124.8	0.03	1.24	63.09	33	465	82	98	0.09	0.0	1.811	0.009	0	0	0	103
PL.42296	PL.42295	A	4ACSR	7.48Y	124.6	0.13	1.37	63.09	33	465	82	98	0.47	0.1	1.860	0.049	0	0	0	103
PL.4494	PL.42296	A	4ACSR	7.47Y	124.5	0.11	1.48	62.49	32	460	81	98	0.37	0.1	1.899	0.039	0	0	0	102
PL.12945	PL.4494	A	4ACSR	7.46Y	124.4	0.11	1.59	60.08	31	442	78	98	0.37	0.1	1.942	0.043	0	0	0	97
PL.12946	PL.12945	A	4ACSR	7.46Y	124.4	0.05	1.65	59.15	30	435	77	98	0.18	0.0	1.963	0.021	0	0	0	93
PL.16847	PL.12946	A	4ACSR	7.46Y	124.3	0.03	1.68	58.24	30	428	76	98	0.10	0.0	1.975	0.012	0	0	0	92
C PD.1941	PL.16847	A	fuse6AMP	7.46Y	124.3	0.00	1.68	58.24	995	428	76	98	0.00	0.0	1.975	0.000	0	0	0	92 C
PL.27646	PD.1941	A	4ACSR	7.45Y	124.1	0.18	1.86	58.24	30	428	76	98	0.59	0.1	2.048	0.073	0	0	0	92
PL.27647	PL.27646	A	4ACSR	7.44Y	124.0	0.15	2.01	56.33	29	413	73	98	0.48	0.1	2.111	0.063	0	0	0	90
PL.12947	PL.27647	A	4ACSR	7.43Y	123.8	0.18	2.19	56.33	29	413	73	98	0.55	0.1	2.183	0.073	0	0	0	90
PL.12948	PL.12947	A	4ACSR	7.42Y	123.7	0.06	2.25	55.23	28	404	71	98	0.18	0.0	2.208	0.025	0	0	0	88
018527	PL.12948	A	Consumer	7.42Y	123.7	0.00	2.25	1.43	0	11	2	98	0.00	0.0	2.208	0.000	11	2	1	1
018513	PL.12948	A	Consumer	7.42Y	123.7	0.00	2.25	0.50	0	4	1	97	0.00	0.0	2.208	0.000	4	1	1	1
0185088	PL.12948	A	Consumer	7.42Y	123.7	0.00	2.25	0.00	0	0	0	100	0.00	0.0	2.208	0.000	0	0	0	0
018522	PL.12948	A	Consumer	7.42Y	123.7	0.00	2.25	0.00	0	0	0	100	0.00	0.0	2.208	0.000	0	0	1	1
018501	PL.12948	A	Consumer	7.42Y	123.7	0.00	2.25	0.77	0	6	1	99	0.00	0.0	2.208	0.000	6	1	1	1
0185087	PL.12948	A	Consumer	7.42Y	123.7	0.00	2.25	0.00	0	0	0	100	0.00	0.0	2.208	0.000	0	0	0	0
PL.12949	PL.12948	A	4ACSR	7.42Y	123.7	0.05	2.30	52.52	27	384	68	98	0.14	0.0	2.228	0.021	0	0	0	84
PL.1693	PL.12949	A	4ACSR	7.42Y	123.7	0.01	2.31	1.43	1	10	2	98	0.00	0.0	2.366	0.137	0	0	0	1
018572	PL.1693	A	Consumer	7.42Y	123.7	0.00	2.31	0.00	0	0	0	100	0.00	0.0	2.366	0.000	0	0	0	0
PL.33973	PL.1693	A	2ACSR	7.42Y	123.7	0.00	2.31	1.43	1	10	2	98	0.00	0.0	2.445	0.079	0	0	0	1
0185083	PL.33973	A	Consumer	7.42Y	123.7	0.00	2.31	1.43	0	10	2	98	0.00	0.0	2.445	0.000	10	2	1	1
PL.12950	PL.12949	A	4ACSR	7.42Y	123.6	0.08	2.38	51.10	26	373	66	98	0.22	0.1	2.264	0.036	0	0	0	83
PL.17125	PL.12950	A	4ACSR	7.42Y	123.6	0.00	2.38	3.73	2	27	6	98	0.00	0.0	2.275	0.010	0	0	0	6

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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.1944	PL.17125	A	fuse6AMP	7.42Y	123.6	0.00	2.38	3.73	64	27	6	98	0.00	0.0	2.275	0.000	0	0	0	6
PL.45353	PD.1944	A	4ACSR	7.42Y	123.6	0.01	2.39	3.73	2	27	6	98	0.00	0.0	2.312	0.037	0	0	0	6
PL.45354	PL.45353	A	4ACSR	7.42Y	123.6	0.01	2.40	3.46	2	25	6	97	0.00	0.0	2.394	0.082	0	0	0	5
PL.12951	PL.45354	A	4ACSR	7.42Y	123.6	0.01	2.41	3.02	2	22	5	98	0.00	0.0	2.462	0.068	0	0	0	4
PL.1670	PL.12951	A	4ACSR	7.42Y	123.6	0.00	2.41	1.67	1	12	4	95	0.00	0.0	2.524	0.063	0	0	0	3
PL.1669	PL.1670	A	4ACSR	7.42Y	123.6	0.00	2.41	1.67	1	12	4	95	0.00	0.0	2.566	0.041	0	0	0	3
018558	PL.1669	A	Consumer	7.42Y	123.6	0.00	2.41	0.21	0	1	1	71	0.00	0.0	2.566	0.000	1	1	1	1
018575	PL.1669	A	Consumer	7.42Y	123.6	0.00	2.41	0.87	0	6	1	99	0.00	0.0	2.566	0.000	6	1	1	1
018562	PL.1669	A	Consumer	7.42Y	123.6	0.00	2.41	0.60	0	4	2	89	0.00	0.0	2.566	0.000	4	2	1	1
PL.12952	PL.12951	A	4ACSR	7.42Y	123.6	0.01	2.41	1.37	1	10	2	98	0.00	0.0	2.549	0.088	0	0	0	1
018563	PL.12952	A	Consumer	7.42Y	123.6	0.00	2.41	1.37	0	10	2	98	0.00	0.0	2.549	0.000	10	2	1	1
PL.1679	PL.45354	A	4ACSR	7.42Y	123.6	0.00	2.40	0.43	0	3	1	95	0.00	0.0	2.507	0.113	0	0	0	1
018576	PL.1679	A	Consumer	7.42Y	123.6	0.00	2.40	0.43	0	3	1	95	0.00	0.0	2.507	0.000	3	1	1	1
018518	PL.45353	A	Consumer	7.42Y	123.6	0.00	2.39	0.28	0	2	0	100	0.00	0.0	2.312	0.000	2	0	1	1
PL.17123	PL.12950	A	4ACSR	7.42Y	123.6	0.00	2.38	2.53	1	19	3	99	0.00	0.0	2.270	0.006	0	0	0	4
PD.1943	PL.17123	A	fuse6AMP	7.42Y	123.6	0.00	2.38	2.53	43	19	3	99	0.00	0.0	2.270	0.000	0	0	0	4
PL.17124	PD.1943	A	4ACSR	7.42Y	123.6	0.01	2.38	2.53	1	19	3	99	0.00	0.0	2.321	0.050	0	0	0	4
018557	PL.17124	A	Consumer	7.42Y	123.6	0.00	2.38	0.01	0	0	0	100	0.00	0.0	2.321	0.000	0	0	1	1
018510	PL.17124	A	Consumer	7.42Y	123.6	0.00	2.38	0.35	0	3	0	100	0.00	0.0	2.321	0.000	3	0	1	1
PL.1668	PL.17124	A	4ACSR	7.42Y	123.6	0.00	2.39	2.17	1	16	3	98	0.00	0.0	2.338	0.018	0	0	0	2
PL.1671	PL.1668	A	4ACSR	7.42Y	123.6	0.00	2.39	2.17	1	16	3	98	0.00	0.0	2.370	0.032	0	0	0	2
018573	PL.1671	A	Consumer	7.42Y	123.6	0.00	2.39	0.64	0	5	1	98	0.00	0.0	2.370	0.000	5	1	1	1
PL.23754	PL.1671	A	4ACSR	7.42Y	123.6	0.01	2.40	1.54	1	11	2	98	0.00	0.0	2.489	0.119	0	0	0	1
018577	PL.23754	A	Consumer	7.42Y	123.6	0.00	2.40	1.54	0	11	2	98	0.00	0.0	2.489	0.000	11	2	1	1
PL.6104	PL.12950	A	4ACSR	7.41Y	123.5	0.09	2.47	44.84	23	328	57	99	0.23	0.1	2.312	0.048	0	0	0	73
018519	PL.6104	A	Consumer	7.41Y	123.5	0.00	2.47	0.40	0	3	0	100	0.00	0.0	2.312	0.000	3	0	1	1
PL.28908	PL.6104	A	4ACSR	7.41Y	123.5	0.00	2.47	44.44	23	325	56	99	0.00	0.0	2.312	0.000	0	0	0	72
PL.28909	PL.28908	A	4ACSR	7.40Y	123.4	0.12	2.59	44.44	23	325	56	99	0.31	0.1	2.377	0.065	0	0	0	72
018551	PL.28909	A	Consumer	7.40Y	123.4	0.00	2.59	0.90	0	7	1	99	0.00	0.0	2.377	0.000	7	1	1	1
018509	PL.28909	A	Consumer	7.40Y	123.4	0.00	2.59	0.30	0	2	0	100	0.00	0.0	2.377	0.000	2	0	1	1
018516	PL.28909	A	Consumer	7.40Y	123.4	0.00	2.59	0.37	0	3	0	100	0.00	0.0	2.377	0.000	3	0	1	1
PL.12953	PL.28909	A	4ACSR	7.40Y	123.3	0.15	2.74	42.88	22	313	54	99	0.35	0.1	2.457	0.080	0	0	0	69
PL.12954	PL.12953	A	4ACSR	7.39Y	123.2	0.06	2.80	42.16	22	307	53	99	0.14	0.0	2.490	0.034	0	0	0	66
018539	PL.12954	A	Consumer	7.39Y	123.2	0.00	2.80	1.36	0	10	2	98	0.00	0.0	2.490	0.000	10	2	1	1
018582	PL.12954	A	Consumer	7.39Y	123.2	0.00	2.80	1.33	0	10	2	98	0.00	0.0	2.490	0.000	10	2	1	1
018507	PL.12954	A	Consumer	7.39Y	123.2	0.00	2.80	0.21	0	2	0	100	0.00	0.0	2.490	0.000	2	0	1	1
018556	PL.12954	A	Consumer	7.39Y	123.2	0.00	2.80	1.20	0	9	1	99	0.00	0.0	2.490	0.000	9	1	1	1
PL.18894	PL.12954	A	4ACSR	7.39Y	123.2	0.01	2.82	38.06	20	277	48	99	0.02	0.0	2.497	0.007	0	0	0	62

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Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.158-A	PL.18894	A	Closed	7.39Y	123.2	0.00	2.82	38.06	0	277	48	99	0.00	0.0	2.497	0.000	0	0	0	62
PD.158-B	PD.158-A	A	Closed	7.39Y	123.2	0.00	2.82	38.06	0	277	48	99	0.00	0.0	2.497	0.000	0	0	0	62
PL.18895	PD.158-B	A	4ACSR	7.39Y	123.1	0.06	2.87	38.06	20	277	48	99	0.12	0.0	2.530	0.033	0	0	0	62
PL.12955	PL.18895	A	4ACSR	7.37Y	122.9	0.22	3.09	36.53	19	266	47	98	0.44	0.2	2.668	0.138	0	0	0	58
017508	PL.12955	A	Consumer	7.37Y	122.9	0.00	3.09	0.47	0	3	1	95	0.00	0.0	2.668	0.000	3	1	1	1
PL.12956	PL.12955	A	4ACSR	7.37Y	122.8	0.06	3.15	36.06	19	262	46	98	0.13	0.0	2.709	0.041	0	0	0	57
PL.6106	PL.12956	A	4ACSR	7.37Y	122.8	0.04	3.19	35.53	18	258	45	99	0.08	0.0	2.736	0.027	0	0	0	55
017531	PL.6106	A	Consumer	7.37Y	122.8	0.00	3.19	0.77	0	6	1	99	0.00	0.0	2.736	0.000	6	1	1	1
017501	PL.6106	A	Consumer	7.37Y	122.8	0.00	3.19	0.42	0	3	0	100	0.00	0.0	2.736	0.000	3	0	1	1
PL.18741	PL.6106	A	4ACSR	7.37Y	122.8	0.00	3.20	1.75	1	13	2	99	0.00	0.0	2.749	0.013	0	0	0	3
PD.1945	PL.18741	A	fuse6AMP	7.37Y	122.8	0.00	3.20	1.75	30	13	2	99	0.00	0.0	2.749	0.000	0	0	0	3
PL.18742	PD.1945	A	4ACSR	7.37Y	122.8	0.00	3.20	1.75	1	13	2	99	0.00	0.0	2.795	0.046	0	0	0	3
017522	PL.18742	A	Consumer	7.37Y	122.8	0.00	3.20	0.30	0	2	0	100	0.00	0.0	2.795	0.000	2	0	1	1
017520	PL.18742	A	Consumer	7.37Y	122.8	0.00	3.20	1.43	0	10	2	98	0.00	0.0	2.795	0.000	10	2	1	1
017527	PL.18742	A	Consumer	7.37Y	122.8	0.00	3.20	0.03	0	0	0	100	0.00	0.0	2.795	0.000	0	0	1	1
PL.12957	PL.6106	A	4ACSR	7.37Y	122.8	0.04	3.23	25.51	13	185	33	98	0.05	0.0	2.768	0.032	0	0	0	42
PL.12958	PL.12957	A	4ACSR	7.36Y	122.7	0.10	3.33	25.51	13	185	33	98	0.14	0.1	2.861	0.093	0	0	0	42
017509	PL.12958	A	Consumer	7.36Y	122.7	0.00	3.33	0.67	0	5	1	98	0.00	0.0	2.861	0.000	5	1	1	1
PL.6105	PL.12958	A	4ACSR	7.36Y	122.6	0.04	3.37	24.84	13	180	32	98	0.05	0.0	2.895	0.034	0	0	0	41
PL.19923	PL.6105	A	4ACSR	7.35Y	122.6	0.06	3.43	23.29	12	169	30	98	0.07	0.0	2.952	0.057	0	0	0	38
PD.3369	PL.19923	A	50V4E	7.35Y	122.6	0.00	3.43	23.29	47	169	30	98	0.00	0.0	2.952	0.000	0	0	0	38
PL.20323	PD.3369	A	4ACSR	7.35Y	122.6	0.01	3.43	23.29	12	169	30	98	0.01	0.0	2.958	0.006	0	0	0	38
017503	PL.20323	A	Consumer	7.35Y	122.6	0.00	3.43	0.33	0	2	0	100	0.00	0.0	2.958	0.000	2	0	1	1
PL.12959	PL.20323	A	4ACSR	7.35Y	122.5	0.08	3.51	22.96	12	166	30	98	0.10	0.1	3.038	0.080	0	0	0	37
PL.33876	PL.12959	A	4ACSR	7.34Y	122.4	0.11	3.62	19.10	10	138	23	99	0.11	0.1	3.166	0.127	0	0	0	31
PL.33877	PL.33876	A	4ACSR	7.34Y	122.3	0.09	3.71	19.08	10	138	23	99	0.09	0.1	3.274	0.109	0	0	0	30
017545	PL.33877	A	Consumer	7.34Y	122.3	0.00	3.71	0.86	0	6	1	99	0.00	0.0	3.274	0.000	6	1	1	1
PL.6133	PL.33877	A	4ACSR	7.33Y	122.2	0.06	3.77	18.21	9	132	22	99	0.06	0.0	3.347	0.073	0	0	0	29
PL.6109	PL.6133	A	4ACSR	7.33Y	122.2	0.06	3.83	17.77	9	129	21	99	0.06	0.0	3.431	0.084	0	0	0	28
017524	PL.6109	A	Consumer	7.33Y	122.2	0.00	3.83	0.00	0	0	0	100	0.00	0.0	3.431	0.000	0	0	0	0
017507	PL.6109	A	Consumer	7.33Y	122.2	0.00	3.83	0.78	0	6	1	99	0.00	0.0	3.431	0.000	6	1	1	1
PL.12961	PL.6109	A	4ACSR	7.33Y	122.1	0.05	3.88	16.99	9	123	20	99	0.04	0.0	3.495	0.064	0	0	0	27
PL.12962	PL.12961	A	4ACSR	7.33Y	122.1	0.03	3.91	16.99	9	123	20	99	0.03	0.0	3.541	0.046	0	0	0	27
PL.33768	PL.12962	A	4ACSR	7.33Y	122.1	0.00	3.91	0.08	0	1	0	100	0.00	0.0	3.561	0.020	0	0	0	1
PD.4031	PL.33768	A	fuse6AMP	7.33Y	122.1	0.00	3.91	0.08	1	1	0	100	0.00	0.0	3.561	0.000	0	0	0	1
PL.33769	PD.4031	A	4ACSR	7.33Y	122.1	0.00	3.91	0.08	0	1	0	100	0.00	0.0	3.647	0.086	0	0	0	1
017511	PL.33769	A	Consumer	7.33Y	122.1	0.00	3.91	0.08	0	1	0	100	0.00	0.0	3.647	0.000	1	0	1	1
017539	PL.12962	A	Consumer	7.33Y	122.1	0.00	3.91	0.00	0	0	0	100	0.00	0.0	3.541	0.000	0	0	0	0

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Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
017513	PL.12962	A	Consumer	7.33Y	122.1	0.00	3.91	0.89	0	6	1	99	0.00	0.0	3.541	0.000	6	1	1	1
017526	PL.12962	A	Consumer	7.33Y	122.1	0.00	3.91	0.61	0	4	1	97	0.00	0.0	3.541	0.000	4	1	1	1
PL.33766	PL.12962	A	4ACSR	7.33Y	122.1	0.00	3.91	1.91	1	14	2	99	0.00	0.0	3.552	0.012	0	0	0	3
PD.4030	PL.33766	A	fuse6AMP	7.33Y	122.1	0.00	3.91	1.91	33	14	2	99	0.00	0.0	3.552	0.000	0	0	0	3
PL.33767	PD.4030	A	4ACSR	7.33Y	122.1	0.00	3.92	1.91	1	14	2	99	0.00	0.0	3.598	0.046	0	0	0	3
017544	PL.33767	A	Consumer	7.33Y	122.1	0.00	3.92	1.01	0	7	1	99	0.00	0.0	3.598	0.000	7	1	1	1
017512	PL.33767	A	Consumer	7.33Y	122.1	0.00	3.92	0.49	0	4	1	97	0.00	0.0	3.598	0.000	4	1	1	1
017519	PL.33767	A	Consumer	7.33Y	122.1	0.00	3.92	0.41	0	3	0	100	0.00	0.0	3.598	0.000	3	0	1	1
PL.19201	PL.12962	A	4ACSR	7.32Y	122.1	0.03	3.94	13.49	7	97	16	99	0.02	0.0	3.597	0.057	0	0	0	21
PL.19202	PL.19201	A	4ACSR	7.32Y	122.0	0.03	3.97	13.49	7	97	16	99	0.02	0.0	3.641	0.044	0	0	0	21
017550	PL.19202	A	Consumer	7.32Y	122.0	0.00	3.97	1.07	0	8	1	99	0.00	0.0	3.641	0.000	8	1	1	1
017506	PL.19202	A	Consumer	7.32Y	122.0	0.00	3.97	0.61	0	4	1	97	0.00	0.0	3.641	0.000	4	1	1	1
PL.6111	PL.19202	A	4ACSR	7.32Y	122.0	0.03	4.00	8.61	4	62	11	98	0.01	0.0	3.725	0.084	0	0	0	16
PL.33772	PL.6111	A	4ACSR	7.32Y	122.0	0.00	4.00	0.30	0	2	0	100	0.00	0.0	3.733	0.008	0	0	0	1
PD.4033	PL.33772	A	fuse6AMP	7.32Y	122.0	0.00	4.00	0.30	5	2	0	100	0.00	0.0	3.733	0.000	0	0	0	1
PL.33773	PD.4033	A	4ACSR	7.32Y	122.0	0.00	4.00	0.30	0	2	0	100	0.00	0.0	3.771	0.038	0	0	0	1
PL.434	PL.33773	A	4ACSR	7.32Y	122.0	0.00	4.00	0.30	0	2	0	100	0.00	0.0	3.906	0.134	0	0	0	1
PL.435	PL.434	A	4ACSR	7.32Y	122.0	0.00	4.00	0.00	0	0	0	100	0.00	0.0	3.999	0.093	0	0	0	0
017604	PL.434	A	Consumer	7.32Y	122.0	0.00	4.00	0.30	0	2	0	100	0.00	0.0	3.906	0.000	2	0	1	1
PL.69	PL.6111	A	4ACSR	7.32Y	122.0	0.02	4.03	8.31	4	60	10	99	0.01	0.0	3.793	0.069	0	0	0	15
PL.64	PL.69	A	4ACSR	7.32Y	121.9	0.03	4.05	8.31	4	60	10	99	0.01	0.0	3.871	0.078	0	0	0	15
PL.5871	PL.64	A	4ACSR	7.32Y	121.9	0.01	4.07	6.43	3	46	8	99	0.00	0.0	3.914	0.043	0	0	0	11
016652	PL.5871	A	Consumer	7.32Y	121.9	0.00	4.07	0.00	0	0	0	100	0.00	0.0	3.914	0.000	0	0	0	0
PL.5872	PL.5871	A	4ACSR	7.31Y	121.9	0.03	4.10	6.43	3	46	8	99	0.01	0.0	4.037	0.123	0	0	0	11
PL.39617	PL.5872	A	2ACSR	7.31Y	121.9	0.00	4.10	1.51	1	11	2	98	0.00	0.0	4.071	0.034	0	0	0	3
016629	PL.39617	A	Consumer	7.31Y	121.9	0.00	4.10	0.44	0	3	1	95	0.00	0.0	4.071	0.000	3	1	1	1
0166071	PL.39617	A	Consumer	7.31Y	121.9	0.00	4.10	0.02	0	0	0	100	0.00	0.0	4.071	0.000	0	0	1	1
PL.39618	PL.39617	A	2ACSR	7.31Y	121.9	0.00	4.10	1.06	0	8	1	99	0.00	0.0	4.100	0.029	0	0	0	1
016630	PL.39618	A	Consumer	7.31Y	121.9	0.00	4.10	1.06	0	8	1	99	0.00	0.0	4.100	0.000	0	0	0	1
016646	016630	A	Consumer	7.31Y	121.9	0.00	4.10	1.06	0	8	1	99	0.00	0.0	4.100	0.000	8	1	1	1
016619	PL.5872	A	Consumer	7.31Y	121.9	0.00	4.10	0.00	0	0	0	100	0.00	0.0	4.037	0.000	0	0	0	0
016622	PL.5872	A	Consumer	7.31Y	121.9	0.00	4.10	0.51	0	4	1	97	0.00	0.0	4.037	0.000	4	1	1	1
016611	PL.5872	A	Consumer	7.31Y	121.9	0.00	4.10	0.03	0	0	0	100	0.00	0.0	4.037	0.000	0	0	1	1
016621	PL.5872	A	Consumer	7.31Y	121.9	0.00	4.10	1.89	0	14	2	99	0.00	0.0	4.037	0.000	14	2	1	1
016631	PL.5872	A	Consumer	7.31Y	121.9	0.00	4.10	1.48	0	11	2	98	0.00	0.0	4.037	0.000	11	2	1	1
016635	PL.5872	A	Consumer	7.31Y	121.9	0.00	4.10	0.28	0	2	0	100	0.00	0.0	4.037	0.000	2	0	1	1
PL.5854	PL.5872	A	4ACSR	7.31Y	121.9	0.00	4.10	0.74	0	5	1	98	0.00	0.0	4.135	0.098	0	0	0	3
016645	PL.5854	A	Consumer	7.31Y	121.9	0.00	4.10	0.22	0	1	1	71	0.00	0.0	4.135	0.000	1	1	1	1

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
016647	PL.5854	A	Consumer	7.31Y	121.9	0.00	4.10	0.00	0	0	0	100	0.00	0.0	4.135	0.000	0	0	0	0
PL.12963	PL.5854	A	4ACSR	7.31Y	121.9	0.00	4.10	0.52	0	4	1	97	0.00	0.0	4.194	0.059	0	0	0	2
PL.12964	PL.12963	A	4ACSR	7.31Y	121.9	0.00	4.10	0.05	0	0	0	100	0.00	0.0	4.241	0.047	0	0	0	1
PL.41646	PL.12964	A	4ACSR	7.31Y	121.9	0.00	4.10	0.00	0	0	0	100	0.00	0.0	4.334	0.094	0	0	0	0
PD.7486-A	PL.41646	A	Open	7.31Y	121.9	0.00	4.10	0.00	0	0	0	100	0.00	0.0	4.334	0.000	0	0	0	0
016644	PL.12964	A	Consumer	7.31Y	121.9	0.00	4.10	0.05	0	0	0	100	0.00	0.0	4.241	0.000	0	0	1	1
PL.43689	PL.12964	A	4ACSR	7.31Y	121.9	0.00	4.10	0.00	0	0	0	100	0.00	0.0	4.250	0.010	0	0	0	0
PD.8310	PL.43689	A	fuse6AMP	7.31Y	121.9	0.00	4.10	0.00	0	0	0	100	0.00	0.0	4.250	0.000	0	0	0	0
PL.43690	PD.8310	A	4ACSR	7.31Y	121.9	0.00	4.10	0.00	0	0	0	100	0.00	0.0	4.285	0.035	0	0	0	0
016613	PL.12963	A	Consumer	7.31Y	121.9	0.00	4.10	0.48	0	3	1	95	0.00	0.0	4.194	0.000	3	1	1	1
016620	PL.64	A	Consumer	7.32Y	121.9	0.00	4.05	0.02	0	0	0	100	0.00	0.0	3.871	0.000	0	0	1	1
016650	PL.64	A	Consumer	7.32Y	121.9	0.00	4.05	0.77	0	6	1	99	0.00	0.0	3.871	0.000	6	1	1	1
016607	PL.64	A	Consumer	7.32Y	121.9	0.00	4.05	0.42	0	3	0	100	0.00	0.0	3.871	0.000	3	0	1	1
016608	PL.64	A	Consumer	7.32Y	121.9	0.00	4.05	0.66	0	5	1	98	0.00	0.0	3.871	0.000	5	1	1	1
016617	PL.64	A	Consumer	7.32Y	121.9	0.00	4.05	0.00	0	0	0	100	0.00	0.0	3.871	0.000	0	0	0	0
PL.18473	PL.19202	A	4ACSR	7.32Y	122.0	0.00	3.97	3.20	2	23	4	99	0.00	0.0	3.648	0.006	0	0	0	3
PD.159-A	PL.18473	A	Closed	7.32Y	122.0	0.00	3.97	3.20	0	23	4	99	0.00	0.0	3.648	0.000	0	0	0	3
PD.159-B	PD.159-A	A	Closed	7.32Y	122.0	0.00	3.97	3.20	0	23	4	99	0.00	0.0	3.648	0.000	0	0	0	3
PL.33770	PD.159-B	A	4ACSR	7.32Y	122.0	0.00	3.97	3.20	2	23	4	99	0.00	0.0	3.654	0.007	0	0	0	3
PD.4032	PL.33770	A	fuse6AMP	7.32Y	122.0	0.00	3.97	3.20	55	23	4	99	0.00	0.0	3.654	0.000	0	0	0	3
PL.33771	PD.4032	A	4ACSR	7.32Y	122.0	0.01	3.98	3.20	2	23	4	99	0.00	0.0	3.711	0.056	0	0	0	3
017538	PL.33771	A	Consumer	7.32Y	122.0	0.00	3.98	1.10	0	8	1	99	0.00	0.0	3.711	0.000	8	1	1	1
017514	PL.33771	A	Consumer	7.32Y	122.0	0.00	3.98	1.11	0	8	1	99	0.00	0.0	3.711	0.000	8	1	1	1
017530	PL.33771	A	Consumer	7.32Y	122.0	0.00	3.98	0.00	0	0	0	100	0.00	0.0	3.711	0.000	0	0	0	0
017542	PL.33771	A	Consumer	7.32Y	122.0	0.00	3.98	0.99	0	7	1	99	0.00	0.0	3.711	0.000	7	1	1	1
017518	PL.19201	A	Consumer	7.32Y	122.1	0.00	3.94	0.00	0	0	0	100	0.00	0.0	3.597	0.000	0	0	0	0
PL.1691	PL.12961	A	4ACSR	7.33Y	122.1	0.00	3.88	0.00	0	0	0	100	0.00	0.0	3.556	0.061	0	0	0	0
017535	PL.6133	A	Consumer	7.33Y	122.2	0.00	3.77	0.44	0	3	1	95	0.00	0.0	3.347	0.000	3	1	1	1
0175055	PL.33876	A	Consumer	7.34Y	122.4	0.00	3.62	0.00	0	0	0	100	0.00	0.0	3.166	0.000	0	0	0	0
0175051	PL.33876	A	Consumer	7.34Y	122.4	0.00	3.62	0.02	0	0	0	100	0.00	0.0	3.166	0.000	0	0	1	1
PL.33764	PL.12959	A	4ACSR	7.35Y	122.5	0.00	3.52	3.88	2	28	7	97	0.00	0.0	3.046	0.008	0	0	0	6
PD.4029	PL.33764	A	fuse6AMP	7.35Y	122.5	0.00	3.52	3.88	66	28	7	97	0.00	0.0	3.046	0.000	0	0	0	6
PL.45230	PD.4029	A	4ACSR	7.35Y	122.5	0.00	3.52	3.88	2	28	7	97	0.00	0.0	3.053	0.007	0	0	0	6
PL.45231	PL.45230	A	4ACSR	7.35Y	122.5	0.00	3.52	1.38	1	9	4	91	0.00	0.0	3.093	0.040	0	0	0	2
PL.1673	PL.45231	A	4ACSR	7.35Y	122.5	0.00	3.52	0.00	0	0	0	100	0.00	0.0	3.145	0.052	0	0	0	0
PL.1674	PL.1673	A	4ACSR	7.35Y	122.5	0.00	3.52	0.00	0	0	0	100	0.00	0.0	3.190	0.045	0	0	0	0
017546	PL.1674	A	Consumer	7.35Y	122.5	0.00	3.52	0.00	0	0	0	100	0.00	0.0	3.190	0.000	0	0	0	0
PL.6107	PL.45231	A	4ACSR	7.35Y	122.5	0.00	3.52	1.38	1	9	4	91	0.00	0.0	3.115	0.022	0	0	0	2

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
017504	PL.6107	A	Consumer	7.35Y	122.5	0.00	3.52	0.19	0	1	0	100	0.00	0.0	3.115	0.000	1	0	1	1
PL.6108	PL.6107	A	4ACSR	7.35Y	122.5	0.00	3.52	1.20	1	8	4	89	0.00	0.0	3.148	0.033	0	0	0	1
PL.42299	PL.6108	A	2ACSR	7.35Y	122.5	0.02	3.54	1.20	0	8	4	89	0.00	0.0	3.595	0.447	0	0	0	1
0175054	PL.42299	A	Consumer	7.35Y	122.5	0.00	3.54	0.00	0	0	0	100	0.00	0.0	3.595	0.000	0	0	0	0
0175056	0175054	A	Consumer	7.35Y	122.5	0.00	3.54	0.00	0	0	0	100	0.00	0.0	3.595	0.000	0	0	0	0
017510	PL.42299	A	Consumer	7.35Y	122.5	0.00	3.54	1.20	0	8	4	89	0.00	0.0	3.595	0.000	8	4	1	1
PL.45229	PL.45230	A	4ACSR	7.35Y	122.5	0.01	3.53	2.53	1	18	3	99	0.00	0.0	3.146	0.093	0	0	0	4
017534	PL.45229	A	Consumer	7.35Y	122.5	0.00	3.53	0.26	0	2	0	100	0.00	0.0	3.146	0.000	2	0	1	1
017523	PL.45229	A	Consumer	7.35Y	122.5	0.00	3.53	0.24	0	2	0	100	0.00	0.0	3.146	0.000	2	0	1	1
017540	PL.45229	A	Consumer	7.35Y	122.5	0.00	3.53	1.01	0	7	1	99	0.00	0.0	3.146	0.000	7	1	1	1
017532	PL.45229	A	Consumer	7.35Y	122.5	0.00	3.53	1.01	0	7	1	99	0.00	0.0	3.146	0.000	7	1	1	1
PL.1683	PL.6105	A	4ACSR	7.36Y	122.6	0.00	3.37	0.77	0	6	1	99	0.00	0.0	2.943	0.048	0	0	0	1
017525	PL.1683	A	Consumer	7.36Y	122.6	0.00	3.37	0.77	0	6	1	99	0.00	0.0	2.943	0.000	6	1	1	1
PL.20723	PL.6105	A	4ACSR	7.36Y	122.6	0.00	3.37	0.77	0	6	1	99	0.00	0.0	2.917	0.022	0	0	0	2
PD.3475	PL.20723	A	fuse6AMP	7.36Y	122.6	0.00	3.37	0.77	13	6	1	99	0.00	0.0	2.917	0.000	0	0	0	2
PL.20724	PD.3475	A	4ACSR	7.36Y	122.6	0.00	3.37	0.77	0	6	1	99	0.00	0.0	2.962	0.045	0	0	0	2
017517	PL.20724	A	Consumer	7.36Y	122.6	0.00	3.37	0.31	0	2	0	100	0.00	0.0	2.962	0.000	2	0	1	1
017505	PL.20724	A	Consumer	7.36Y	122.6	0.00	3.37	0.46	0	3	1	95	0.00	0.0	2.962	0.000	3	1	1	1
PL.17485	PL.12957	A	4ACSR	7.37Y	122.8	0.00	3.23	0.00	0	0	0	100	0.00	0.0	2.777	0.009	0	0	0	0
PD.1947	PL.17485	A	fuse6AMP	7.37Y	122.8	0.00	3.23	0.00	0	0	0	100	0.00	0.0	2.777	0.000	0	0	0	0
PL.17486	PD.1947	A	4ACSR	7.37Y	122.8	0.00	3.23	0.00	0	0	0	100	0.00	0.0	2.830	0.053	0	0	0	0
017529	PL.17486	A	Consumer	7.37Y	122.8	0.00	3.23	0.00	0	0	0	100	0.00	0.0	2.830	0.000	0	0	0	0
PL.27695	PL.6106	A	4ACSR	7.37Y	122.8	0.00	3.20	7.08	4	52	8	99	0.00	0.0	2.743	0.007	0	0	0	8
C PD.1946	PL.27695	A	fuse6AMP	7.37Y	122.8	0.00	3.20	7.08	121	52	8	99	0.00	0.0	2.743	0.000	0	0	0	8 C
PL.27696	PD.1946	A	4ACSR	7.37Y	122.8	0.01	3.21	7.08	4	52	8	99	0.00	0.0	2.785	0.042	0	0	0	8
PL.4495	PL.27696	A	4ACSR	7.37Y	122.8	0.01	3.21	5.94	3	43	7	99	0.00	0.0	2.804	0.020	0	0	0	7
017549	PL.4495	A	Consumer	7.37Y	122.8	0.00	3.21	1.00	0	7	1	99	0.00	0.0	2.804	0.000	7	1	1	1
017533	PL.4495	A	Consumer	7.37Y	122.8	0.00	3.21	0.27	0	2	0	100	0.00	0.0	2.804	0.000	2	0	1	1
017516	PL.4495	A	Consumer	7.37Y	122.8	0.00	3.21	0.10	0	1	0	100	0.00	0.0	2.804	0.000	1	0	1	1
017536	PL.4495	A	Consumer	7.37Y	122.8	0.00	3.21	0.01	0	0	0	100	0.00	0.0	2.804	0.000	0	0	1	1
PL.1688	PL.4495	A	4ACSR	7.37Y	122.8	0.01	3.23	4.56	2	33	5	99	0.00	0.0	2.868	0.064	0	0	0	3
PL.33993	PL.1688	A	2ACSR	7.37Y	122.8	0.00	3.23	1.27	0	9	1	99	0.00	0.0	2.913	0.045	0	0	0	1
0175053	PL.33993	A	Consumer	7.37Y	122.8	0.00	3.23	1.27	0	9	1	99	0.00	0.0	2.913	0.000	9	1	1	1
0175052	PL.33993	A	Consumer	7.37Y	122.8	0.00	3.23	0.00	0	0	0	100	0.00	0.0	2.913	0.000	0	0	0	0
017548	PL.1688	A	Consumer	7.37Y	122.8	0.00	3.23	0.99	0	7	1	99	0.00	0.0	2.868	0.000	7	1	1	1
017547	PL.1688	A	Consumer	7.37Y	122.8	0.00	3.23	2.30	0	17	3	98	0.00	0.0	2.868	0.000	17	3	1	1
017543	PL.27696	A	Consumer	7.37Y	122.8	0.00	3.21	1.14	0	8	1	99	0.00	0.0	2.785	0.000	8	1	1	1
017515	PL.12956	A	Consumer	7.37Y	122.8	0.00	3.15	0.21	0	1	0	100	0.00	0.0	2.709	0.000	1	0	1	1

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

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
017541	PL.12956	A	Consumer	7.37Y	122.8	0.00	3.15	0.33	0	2	0	100	0.00	0.0	2.709	0.000	2	0	1	1
018521	PL.18895	A	Consumer	7.39Y	123.1	0.00	2.87	0.91	0	7	1	99	0.00	0.0	2.530	0.000	7	1	1	1
018506	PL.18895	A	Consumer	7.39Y	123.1	0.00	2.87	0.11	0	1	0	100	0.00	0.0	2.530	0.000	1	0	1	1
018512	PL.18895	A	Consumer	7.39Y	123.1	0.00	2.87	0.24	0	2	0	100	0.00	0.0	2.530	0.000	2	0	1	1
018549	PL.18895	A	Consumer	7.39Y	123.1	0.00	2.87	0.27	0	2	0	100	0.00	0.0	2.530	0.000	2	0	1	1
018560	PL.12953	A	Consumer	7.40Y	123.3	0.00	2.74	0.20	0	1	0	100	0.00	0.0	2.457	0.000	1	0	1	1
018528	PL.12953	A	Consumer	7.40Y	123.3	0.00	2.74	0.40	0	3	0	100	0.00	0.0	2.457	0.000	3	0	1	1
018559	PL.12953	A	Consumer	7.40Y	123.3	0.00	2.74	0.12	0	1	0	100	0.00	0.0	2.457	0.000	1	0	1	1
PL.16845	PL.12947	A	4ACSR	7.43Y	123.8	0.00	2.19	1.10	1	8	1	99	0.00	0.0	2.191	0.008	0	0	0	2
PD.1942	PL.16845	A	fuse6AMP	7.43Y	123.8	0.00	2.19	1.10	19	8	1	99	0.00	0.0	2.191	0.000	0	0	0	2
PL.16846	PD.1942	A	4ACSR	7.43Y	123.8	0.01	2.20	1.10	1	8	1	99	0.00	0.0	2.352	0.161	0	0	0	2
018564	PL.16846	A	Consumer	7.43Y	123.8	0.00	2.20	0.65	0	5	1	98	0.00	0.0	2.352	0.000	5	1	1	1
018553	PL.16846	A	Consumer	7.43Y	123.8	0.00	2.20	0.46	0	3	1	95	0.00	0.0	2.352	0.000	3	1	1	1
018511	PL.27646	A	Consumer	7.45Y	124.1	0.00	1.86	0.66	0	5	1	98	0.00	0.0	2.048	0.000	5	1	1	1
018525	PL.27646	A	Consumer	7.45Y	124.1	0.00	1.86	1.25	0	9	1	99	0.00	0.0	2.048	0.000	9	1	1	1
PL.1667	PL.12946	A	4ACSR	7.46Y	124.4	0.00	1.65	0.90	0	7	1	99	0.00	0.0	2.021	0.058	0	0	0	1
PL.6102	PL.1667	A	4ACSR	7.46Y	124.4	0.00	1.65	0.90	0	7	1	99	0.00	0.0	2.071	0.050	0	0	0	1
PL.6103	PL.6102	A	4ACSR	7.46Y	124.3	0.00	1.65	0.90	0	7	1	99	0.00	0.0	2.120	0.050	0	0	0	1
018523	PL.6103	A	Consumer	7.46Y	124.3	0.00	1.65	0.90	0	7	1	99	0.00	0.0	2.120	0.000	7	1	1	1
PL.16849	PL.12945	A	4ACSR	7.46Y	124.4	0.00	1.59	0.93	0	7	1	99	0.00	0.0	1.954	0.013	0	0	0	4
PD.1940	PL.16849	A	fuse6AMP	7.46Y	124.4	0.00	1.59	0.93	16	7	1	99	0.00	0.0	1.954	0.000	0	0	0	4
PL.16848	PD.1940	A	4ACSR	7.46Y	124.4	0.00	1.59	0.93	0	7	1	99	0.00	0.0	2.019	0.065	0	0	0	4
018540	PL.16848	A	Consumer	7.46Y	124.4	0.00	1.59	0.29	0	2	0	100	0.00	0.0	2.019	0.000	2	0	1	1
018514	PL.16848	A	Consumer	7.46Y	124.4	0.00	1.59	0.40	0	3	0	100	0.00	0.0	2.019	0.000	3	0	1	1
018580	PL.16848	A	Consumer	7.46Y	124.4	0.00	1.59	0.02	0	0	0	100	0.00	0.0	2.019	0.000	0	0	1	1
018541	PL.16848	A	Consumer	7.46Y	124.4	0.00	1.59	0.22	0	2	0	100	0.00	0.0	2.019	0.000	2	0	1	1
PL.33762	PL.4494	A	4ACSR	7.47Y	124.5	0.00	1.48	1.25	1	9	1	99	0.00	0.0	1.910	0.011	0	0	0	3
PD.4028	PL.33762	A	fuse6AMP	7.47Y	124.5	0.00	1.48	1.25	21	9	1	99	0.00	0.0	1.910	0.000	0	0	0	3
PL.33763	PD.4028	A	4ACSR	7.47Y	124.5	0.00	1.48	1.25	1	9	1	99	0.00	0.0	1.962	0.052	0	0	0	3
PL.12944	PL.33763	A	4ACSR	7.47Y	124.5	0.00	1.49	0.88	0	7	1	99	0.00	0.0	2.053	0.091	0	0	0	2
018579	PL.12944	A	Consumer	7.47Y	124.5	0.00	1.49	0.34	0	2	0	100	0.00	0.0	2.053	0.000	2	0	1	1
018578	PL.12944	A	Consumer	7.47Y	124.5	0.00	1.49	0.55	0	4	1	97	0.00	0.0	2.053	0.000	4	1	1	1
PL.1692	PL.33763	A	1/0EPRJCN	7.47Y	124.5	0.00	1.48	0.37	0	3	0	100	0.00	0.0	2.052	0.090	0	0	0	1
018581	PL.1692	A	Consumer	7.47Y	124.5	0.00	1.48	0.38	0	3	0	100	0.00	0.0	2.052	0.000	3	0	1	1
018520	PL.4494	A	Consumer	7.47Y	124.5	0.00	1.48	0.00	0	0	0	100	0.00	0.0	1.899	0.000	0	0	1	1
018502	PL.4494	A	Consumer	7.47Y	124.5	0.00	1.48	1.16	0	9	1	99	0.00	0.0	1.899	0.000	9	1	1	1
018503	PL.42296	A	Consumer	7.48Y	124.6	0.00	1.37	0.60	0	4	1	97	0.00	0.0	1.860	0.000	4	1	1	1
PL.16850	PL.6099	A	4ACSR	7.49Y	124.8	0.01	1.22	12.53	6	93	15	99	0.00	0.0	1.814	0.013	0	0	0	16

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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
C PD.1939	PL.16850	A	fuse8AMP	7.49Y	124.8	0.00	1.22	12.53	171	93	15	99	0.00	0.0	1.814	0.000	0	0	0	16 C
PL.16851	PD.1939	A	4ACSR	7.49Y	124.8	0.03	1.25	12.53	6	93	15	99	0.02	0.0	1.865	0.051	0	0	0	16
PL.1666	PL.16851	A	4ACSR	7.49Y	124.8	0.00	1.25	0.72	0	5	1	98	0.00	0.0	1.908	0.043	0	0	0	2
018568	PL.1666	A	Consumer	7.49Y	124.8	0.00	1.25	0.53	0	4	1	97	0.00	0.0	1.908	0.000	4	1	1	1
018567	PL.1666	A	Consumer	7.49Y	124.8	0.00	1.25	0.19	0	1	0	100	0.00	0.0	1.908	0.000	1	0	1	1
PL.27849	PL.16851	A	4ACSR	7.48Y	124.7	0.01	1.26	6.98	4	52	8	99	0.00	0.0	1.908	0.042	0	0	0	7
018531	PL.27849	A	Consumer	7.48Y	124.7	0.00	1.26	0.86	0	6	1	99	0.00	0.0	1.908	0.000	6	1	1	1
018530	PL.27849	A	Consumer	7.48Y	124.7	0.00	1.26	1.02	0	8	1	99	0.00	0.0	1.908	0.000	8	1	1	1
PL.27850	PL.27849	A	4ACSR	7.48Y	124.7	0.01	1.27	5.10	3	38	6	99	0.00	0.0	1.941	0.034	0	0	0	5
018544	PL.27850	A	Consumer	7.48Y	124.7	0.00	1.27	0.89	0	7	1	99	0.00	0.0	1.941	0.000	7	1	1	1
018545	PL.27850	A	Consumer	7.48Y	124.7	0.00	1.27	0.94	0	7	1	99	0.00	0.0	1.941	0.000	7	1	1	1
018532	PL.27850	A	Consumer	7.48Y	124.7	0.00	1.27	1.14	0	8	1	99	0.00	0.0	1.941	0.000	8	1	1	1
018542	PL.27850	A	Consumer	7.48Y	124.7	0.00	1.27	1.10	0	8	1	99	0.00	0.0	1.941	0.000	8	1	1	1
018546	PL.27850	A	Consumer	7.48Y	124.7	0.00	1.27	1.02	0	8	1	99	0.00	0.0	1.941	0.000	8	1	1	1
018529	PL.16851	A	Consumer	7.49Y	124.8	0.00	1.25	1.08	0	8	1	99	0.00	0.0	1.865	0.000	8	1	1	1
PL.12942	PL.16851	A	4ACSR	7.48Y	124.7	0.01	1.26	3.75	2	28	4	99	0.00	0.0	1.918	0.053	0	0	0	6
PL.20040	PL.12942	A	4ACSR	7.48Y	124.7	0.00	1.26	3.75	2	28	4	99	0.00	0.0	1.936	0.018	0	0	0	6
018547	PL.20040	A	Consumer	7.48Y	124.7	0.00	1.26	1.16	0	9	1	99	0.00	0.0	1.936	0.000	9	1	1	1
PL.20041	PL.20040	A	4ACSR	7.48Y	124.7	0.00	1.26	2.59	1	19	3	99	0.00	0.0	1.964	0.027	0	0	0	5
PL.19418	PL.20041	A	4ACSR	7.48Y	124.7	0.00	1.26	1.95	1	14	2	99	0.00	0.0	1.990	0.026	0	0	0	3
018537	PL.19418	A	Consumer	7.48Y	124.7	0.00	1.26	1.00	0	7	1	99	0.00	0.0	1.990	0.000	7	1	1	1
018538	PL.19418	A	Consumer	7.48Y	124.7	0.00	1.26	0.95	0	7	1	99	0.00	0.0	1.990	0.000	7	1	1	1
018536	PL.19418	A	Consumer	7.48Y	124.7	0.00	1.26	0.00	0	0	0	100	0.00	0.0	1.990	0.000	0	0	1	1
018534	PL.20041	A	Consumer	7.48Y	124.7	0.00	1.26	0.14	0	1	0	100	0.00	0.0	1.964	0.000	1	0	1	1
018535	PL.20041	A	Consumer	7.48Y	124.7	0.00	1.26	0.50	0	4	1	97	0.00	0.0	1.964	0.000	4	1	1	1
PL.42293	PL.42289	A	2ACSR	7.49Y	124.8	0.00	1.18	0.00	0	0	0	100	0.00	0.0	1.762	0.004	0	0	0	0
		B		7.56Y	126.0	0.00	0.04	0.00	0	0	0	100					0	0	0	0
		C		7.49Y	124.9	0.00	1.12	0.00	0	0	0	100					0	0	0	0
PD.7679	PL.42293	A	fuse6AMP	7.49Y	124.8	0.00	1.18	0.00	0	0	0	100	0.00	0.0	1.762	0.000	0	0	0	0
		B		7.56Y	126.0	0.00	0.04	0.00	0	0	0	100					0	0	0	0
		C		7.49Y	124.9	0.00	1.12	0.00	0	0	0	100					0	0	0	0
PL.42294	PD.7679	A	2ACSR	7.49Y	124.8	0.00	1.18	0.00	0	0	0	100	0.00	0.0	1.841	0.079	0	0	0	0
		B		7.56Y	126.0	0.00	0.04	0.00	0	0	0	100					0	0	0	0
		C		7.49Y	124.9	0.00	1.12	0.00	0	0	0	100					0	0	0	0
0185085	PL.42294	A	Consumer	7.49Y	124.8	0.00	1.18	0.00	0	0	0	100	0.00	0.0	1.841	0.000	0	0	0	0
		B		7.56Y	126.0	0.00	0.04	0.00	0	0	0	100					0	0	0	0
		C		7.49Y	124.9	0.00	1.12	0.00	0	0	0	100					0	0	0	0
PL.17126	PL.43536	A	4ACSR	7.50Y	125.0	0.00	1.03	0.59	0	4	1	97	0.00	0.0	1.555	0.006	0	0	0	1
PD.1937	PL.17126	A	fuse6AMP	7.50Y	125.0	0.00	1.03	0.59	10	4	1	97	0.00	0.0	1.555	0.000	0	0	0	1
PL.17127	PD.1937	A	4ACSR	7.50Y	125.0	0.00	1.04	0.59	0	4	1	97	0.00	0.0	1.662	0.107	0	0	0	1
019510	PL.17127	A	Consumer	7.50Y	125.0	0.00	1.04	0.59	0	4	1	97	0.00	0.0	1.662	0.000	4	1	1	1
018505	PL.43536	B	Consumer	7.55Y	125.8	0.00	0.15	0.54	0	4	1	97	0.00	0.0	1.550	0.000	4	1	1	1

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.42291	PL.12934	B	4ACSR	7.54Y	125.7	0.01	0.30	24.21	12	180	31	99	0.01	0.0	1.284	0.006	0	0	0	39
PD.7678-A	PL.42291	B	Closed	7.54Y	125.7	0.00	0.30	24.21	0	180	31	99	0.00	0.0	1.284	0.000	0	0	0	39
PD.7678-B	PD.7678-A	B	Closed	7.54Y	125.7	0.00	0.30	24.21	0	180	31	99	0.00	0.0	1.284	0.000	0	0	0	39
PL.42292	PD.7678-B	B	4ACSR	7.54Y	125.6	0.05	0.35	24.21	12	180	31	99	0.07	0.0	1.331	0.048	0	0	0	39
PD.3367	PL.42292	B	50V4E	7.54Y	125.6	0.00	0.35	24.21	48	180	31	99	0.00	0.0	1.331	0.000	0	0	0	39
PL.17129	PD.3367	B	4ACSR	7.54Y	125.6	0.00	0.36	24.21	12	180	31	99	0.01	0.0	1.336	0.005	0	0	0	39
019542	PL.17129	B	Consumer	7.54Y	125.6	0.00	0.36	0.01	0	0	0	100	0.00	0.0	1.336	0.000	0	0	1	1
019535	PL.17129	B	Consumer	7.54Y	125.6	0.00	0.36	0.28	0	2	0	100	0.00	0.0	1.336	0.000	2	0	1	1
019517	PL.17129	B	Consumer	7.54Y	125.6	0.00	0.36	1.05	0	8	1	99	0.00	0.0	1.336	0.000	8	1	1	1
019530	PL.17129	B	Consumer	7.54Y	125.6	0.00	0.36	0.59	0	4	1	97	0.00	0.0	1.336	0.000	4	1	1	1
019528	PL.17129	B	Consumer	7.54Y	125.6	0.00	0.36	0.13	0	1	0	100	0.00	0.0	1.336	0.000	1	0	1	1
019526	PL.17129	B	Consumer	7.54Y	125.6	0.00	0.36	1.91	0	14	2	99	0.00	0.0	1.336	0.000	14	2	1	1
PL.6115	PL.17129	B	4ACSR	7.54Y	125.6	0.05	0.40	20.24	10	150	26	99	0.05	0.0	1.389	0.053	0	0	0	33
PL.1678	PL.6115	B	4ACSR	7.54Y	125.6	0.00	0.41	3.38	2	25	4	99	0.00	0.0	1.417	0.028	0	0	0	7
PL.6114	PL.1678	B	4ACSR	7.54Y	125.6	0.00	0.41	2.24	1	17	3	98	0.00	0.0	1.437	0.020	0	0	0	5
PL.19892	PL.6114	B	4ACSR	7.54Y	125.6	0.00	0.41	2.24	1	17	3	98	0.00	0.0	1.456	0.019	0	0	0	5
019547	PL.19892	B	Consumer	7.54Y	125.6	0.00	0.41	0.36	0	3	0	100	0.00	0.0	1.456	0.000	3	0	1	1
PL.19893	PL.19892	B	4ACSR	7.54Y	125.6	0.00	0.42	1.88	1	14	2	99	0.00	0.0	1.489	0.034	0	0	0	4
PL.6122	PL.19893	B	4ACSR	7.53Y	125.6	0.00	0.42	1.36	1	10	2	98	0.00	0.0	1.515	0.026	0	0	0	2
019548	PL.6122	B	Consumer	7.53Y	125.6	0.00	0.42	0.85	0	6	1	99	0.00	0.0	1.515	0.000	6	1	1	1
019575	PL.6122	B	Consumer	7.53Y	125.6	0.00	0.42	0.51	0	4	1	97	0.00	0.0	1.515	0.000	4	1	1	1
019578	PL.19893	B	Consumer	7.54Y	125.6	0.00	0.42	0.24	0	2	0	100	0.00	0.0	1.489	0.000	2	0	1	1
019590	PL.19893	B	Consumer	7.54Y	125.6	0.00	0.42	0.27	0	2	0	100	0.00	0.0	1.489	0.000	2	0	1	1
019521	PL.1678	B	Consumer	7.54Y	125.6	0.00	0.41	0.21	0	2	0	100	0.00	0.0	1.417	0.000	2	0	1	1
019558	PL.1678	B	Consumer	7.54Y	125.6	0.00	0.41	0.92	0	7	1	99	0.00	0.0	1.417	0.000	7	1	1	1
PL.33675	PL.6115	B	4ACSR	7.54Y	125.6	0.01	0.41	15.60	8	116	21	98	0.01	0.0	1.404	0.015	0	0	0	24
C PD.3988	PL.33675	B	fuse6AMP	7.54Y	125.6	0.00	0.41	15.60	266	116	21	98	0.00	0.0	1.404	0.000	0	0	0	24 C
PL.33676	PD.3988	B	4ACSR	7.53Y	125.5	0.05	0.47	15.60	8	116	21	98	0.04	0.0	1.479	0.075	0	0	0	24
PL.1651	PL.33676	B	4ACSR	7.53Y	125.5	0.01	0.47	4.79	2	36	6	99	0.00	0.0	1.512	0.033	0	0	0	8
PL.1652	PL.1651	B	4ACSR	7.53Y	125.5	0.01	0.48	3.82	2	28	5	98	0.00	0.0	1.566	0.054	0	0	0	5
019539	PL.1652	B	Consumer	7.53Y	125.5	0.00	0.48	0.48	0	4	1	97	0.00	0.0	1.566	0.000	4	1	1	1
019519	PL.1652	B	Consumer	7.53Y	125.5	0.00	0.48	0.63	0	5	1	98	0.00	0.0	1.566	0.000	5	1	1	1
019573	PL.1652	B	Consumer	7.53Y	125.5	0.00	0.48	0.82	0	6	1	99	0.00	0.0	1.566	0.000	6	1	1	1
PL.1653	PL.1652	B	4ACSR	7.53Y	125.5	0.00	0.48	1.90	1	14	2	99	0.00	0.0	1.590	0.024	0	0	0	2
019580	PL.1653	B	Consumer	7.53Y	125.5	0.00	0.48	0.31	0	2	0	100	0.00	0.0	1.590	0.000	2	0	1	1
019556	PL.1653	B	Consumer	7.53Y	125.5	0.00	0.48	1.59	0	12	2	99	0.00	0.0	1.590	0.000	12	2	1	1
019529	PL.1651	B	Consumer	7.53Y	125.5	0.00	0.47	0.54	0	4	1	97	0.00	0.0	1.512	0.000	4	1	1	1
019579	PL.1651	B	Consumer	7.53Y	125.5	0.00	0.47	0.16	0	1	0	100	0.00	0.0	1.512	0.000	1	0	1	1

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

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
019566	PL.1651	B	Consumer	7.53Y	125.5	0.00	0.47	0.28	0	2	1	89	0.00	0.0	1.512	0.000	2	1	1	1
PL.33677	PL.33676	B	4ACSR	7.53Y	125.5	0.00	0.47	9.12	5	68	11	99	0.00	0.0	1.491	0.012	0	0	0	12
C PD.3989	PL.33677	B	fuse6AMP	7.53Y	125.5	0.00	0.47	9.12	156	68	11	99	0.00	0.0	1.491	0.000	0	0	0	12 C
PL.33678	PD.3989	B	4ACSR	7.53Y	125.5	0.02	0.49	9.12	5	68	11	99	0.01	0.0	1.548	0.058	0	0	0	12
PL.6121	PL.33678	B	4ACSR	7.53Y	125.5	0.02	0.51	6.37	3	47	8	99	0.01	0.0	1.614	0.065	0	0	0	8
PL.6130	PL.6121	B	4ACSR	7.53Y	125.5	0.00	0.52	4.77	2	35	6	99	0.00	0.0	1.637	0.023	0	0	0	7
019553	PL.6130	B	Consumer	7.53Y	125.5	0.00	0.52	0.48	0	4	1	97	0.00	0.0	1.637	0.000	4	1	1	1
019591	PL.6130	B	Consumer	7.53Y	125.5	0.00	0.52	1.00	0	7	1	99	0.00	0.0	1.637	0.000	7	1	1	1
PL.6131	PL.6130	B	4ACSR	7.53Y	125.5	0.01	0.52	3.28	2	24	4	99	0.00	0.0	1.674	0.037	0	0	0	5
PL.12939	PL.6131	B	4ACSR	7.53Y	125.5	0.00	0.52	0.68	0	5	1	98	0.00	0.0	1.741	0.066	0	0	0	2
019561	PL.12939	B	Consumer	7.53Y	125.5	0.00	0.52	0.00	0	0	0	100	0.00	0.0	1.741	0.000	0	0	0	0
PL.12940	PL.12939	B	4ACSR	7.53Y	125.5	0.00	0.52	0.68	0	5	1	98	0.00	0.0	1.761	0.020	0	0	0	2
PL.12941	PL.12940	B	4ACSR	7.53Y	125.5	0.00	0.52	0.18	0	1	0	100	0.00	0.0	1.881	0.120	0	0	0	1
018543	PL.12941	B	Consumer	7.53Y	125.5	0.00	0.52	0.18	0	1	0	100	0.00	0.0	1.881	0.000	1	0	1	1
PL.4492	PL.12941	B	4ACSR	7.53Y	125.5	0.00	0.52	0.00	0	0	0	100	0.00	0.0	1.937	0.055	0	0	0	0
018554	PL.12940	B	Consumer	7.53Y	125.5	0.00	0.52	0.50	0	4	1	97	0.00	0.0	1.761	0.000	4	1	1	1
019569	PL.6131	B	Consumer	7.53Y	125.5	0.00	0.52	0.80	0	6	1	99	0.00	0.0	1.674	0.000	6	1	1	1
019546	PL.6131	B	Consumer	7.53Y	125.5	0.00	0.52	0.24	0	2	0	100	0.00	0.0	1.674	0.000	2	0	1	1
PL.33679	PL.6131	B	4ACSR	7.53Y	125.5	0.00	0.52	1.56	1	12	2	99	0.00	0.0	1.685	0.010	0	0	0	1
PD.3990	PL.33679	B	fuse6AMP	7.53Y	125.5	0.00	0.52	1.56	27	12	2	99	0.00	0.0	1.685	0.000	0	0	0	1
PL.33680	PD.3990	B	4ACSR	7.53Y	125.5	0.00	0.52	1.56	1	12	2	99	0.00	0.0	1.713	0.028	0	0	0	1
019572	PL.33680	B	Consumer	7.53Y	125.5	0.00	0.52	1.56	0	12	2	99	0.00	0.0	1.713	0.000	12	2	1	1
019586	PL.6121	B	Consumer	7.53Y	125.5	0.00	0.51	0.00	0	0	0	100	0.00	0.0	1.614	0.000	0	0	0	0
019545	PL.6121	B	Consumer	7.53Y	125.5	0.00	0.51	1.60	0	12	2	99	0.00	0.0	1.614	0.000	12	2	1	1
019557	PL.33678	B	Consumer	7.53Y	125.5	0.00	0.49	0.19	0	1	0	100	0.00	0.0	1.548	0.000	1	0	1	1
019582	PL.33678	B	Consumer	7.53Y	125.5	0.00	0.49	1.36	0	10	2	98	0.00	0.0	1.548	0.000	10	2	1	1
019570	PL.33678	B	Consumer	7.53Y	125.5	0.00	0.49	0.00	0	0	0	100	0.00	0.0	1.548	0.000	0	0	0	0
019568	PL.33678	B	Consumer	7.53Y	125.5	0.00	0.49	0.68	0	5	1	98	0.00	0.0	1.548	0.000	5	1	1	1
019538	PL.33678	B	Consumer	7.53Y	125.5	0.00	0.49	0.51	0	4	1	97	0.00	0.0	1.548	0.000	4	1	1	1
019549	PL.33676	B	Consumer	7.53Y	125.5	0.00	0.47	0.54	0	4	1	97	0.00	0.0	1.479	0.000	4	1	1	1
019533	PL.33676	B	Consumer	7.53Y	125.5	0.00	0.47	0.60	0	4	2	89	0.00	0.0	1.479	0.000	4	2	1	1
019544	PL.33676	B	Consumer	7.53Y	125.5	0.00	0.47	0.41	0	3	0	100	0.00	0.0	1.479	0.000	3	0	1	1
019524	PL.33676	B	Consumer	7.53Y	125.5	0.00	0.47	0.17	0	1	0	100	0.00	0.0	1.479	0.000	1	0	1	1
019525	PL.6115	B	Consumer	7.54Y	125.6	0.00	0.40	1.11	0	8	1	99	0.00	0.0	1.389	0.000	8	1	1	1
019531	PL.6115	B	Consumer	7.54Y	125.6	0.00	0.40	0.15	0	1	0	100	0.00	0.0	1.389	0.000	1	0	1	1
019514	PL.12920	B	Consumer	7.54Y	125.6	0.00	0.35	0.00	0	0	0	100	0.00	0.0	1.076	0.000	0	0	0	0
019559	PL.12920	B	Consumer	7.54Y	125.6	0.00	0.35	0.27	0	2	0	100	0.00	0.0	1.076	0.000	2	0	1	1

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

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.75	PL.12924	A	336ACSR	7.52Y	125.4	-0.00	0.61	50.87	7	374	-83	-98	0.05	0.0	1.035	0.008	0	0	0	86
		B		7.54Y	125.6	0.01	0.37	80.35	11	605	-30	-100					0	0	0	146
		C		7.50Y	125.1	0.00	0.94	122.76	17	921	31	100					0	0	0	175
PL.12917	PL.75	A	336ACSR	7.52Y	125.4	-0.01	0.60	50.87	7	374	-83	-98	0.24	0.0	1.069	0.034	0	0	0	86
		B		7.54Y	125.6	0.02	0.40	80.35	11	605	-31	-100					0	0	0	146
		C		7.50Y	125.0	0.02	0.96	122.76	17	921	31	100					0	0	0	175
PL.41186	PL.12917	A	336ACSR	7.53Y	125.4	-0.03	0.58	50.46	7	370	-83	-98	0.63	0.0	1.158	0.089	0	0	0	85
		B		7.53Y	125.5	0.06	0.46	80.35	11	605	-31	-100					0	0	0	146
		C		7.50Y	125.0	0.06	1.01	122.76	17	921	30	100					0	0	0	175
5012002	PL.41186	B	Consumer	7.53Y	125.5	0.00	0.46	0.00	0	0	0	100	0.00	0.0	1.158	0.000	0	0	1	1
PL.41187	PL.41186	A	336ACSR	7.53Y	125.4	-0.02	0.56	50.46	7	371	-83	-98	0.39	0.0	1.213	0.055	0	0	0	85
		B		7.53Y	125.5	0.04	0.50	80.35	11	604	-31	-100					0	0	0	145
		C		7.50Y	125.0	0.03	1.05	122.76	17	920	29	100					0	0	0	175
PL.12915	PL.41187	A	336ACSR	7.53Y	125.5	-0.03	0.53	49.03	7	358	-89	-97	0.70	0.0	1.314	0.101	0	0	0	85
		B		7.53Y	125.4	0.07	0.57	80.35	11	604	-31	-100					0	0	0	145
		C		7.49Y	124.9	0.06	1.11	121.07	17	907	22	100					0	0	0	175
PL.15100	PL.12915	B	4ACSR	7.53Y	125.4	0.00	0.57	0.57	0	4	1	97	0.00	0.0	1.320	0.005	0	0	0	2
PD.2804	PL.15100	B	fuse6AMP	7.53Y	125.4	0.00	0.57	0.57	10	4	1	97	0.00	0.0	1.320	0.000	0	0	0	2
PL.15101	PD.2804	B	4ACSR	7.53Y	125.4	0.00	0.57	0.57	0	4	1	97	0.00	0.0	1.445	0.125	0	0	0	2
503101	PL.15101	B	Consumer	7.53Y	125.4	0.00	0.57	0.56	0	4	1	97	0.00	0.0	1.445	0.000	4	1	1	1
503102	PL.15101	B	Consumer	7.53Y	125.4	0.00	0.57	0.01	0	0	0	100	0.00	0.0	1.445	0.000	0	0	1	1
PL.12916	PL.12915	A	336ACSR	7.53Y	125.5	-0.05	0.48	49.03	7	358	-90	-97	1.00	0.1	1.459	0.145	0	0	0	85
		B		7.52Y	125.3	0.10	0.67	79.79	11	600	-32	-100					0	0	0	143
		C		7.49Y	124.8	0.09	1.20	121.07	17	907	21	100					0	0	0	175
PL.3369	PL.12916	A	4/0ACSR	7.53Y	125.5	0.00	0.48	0.78	0	6	1	99	0.00	0.0	1.511	0.052	0	0	0	1
		B		7.52Y	125.3	-0.00	0.67	0.00	0	0	0	100					0	0	0	0
		C		7.49Y	124.8	0.00	1.20	0.00	0	0	0	100					0	0	0	0
504317	PL.3369	A	Consumer	7.53Y	125.5	0.00	0.48	0.78	0	6	1	99	0.00	0.0	1.511	0.000	6	1	1	1
PL.193	PL.12916	A	4/0ACSR	7.53Y	125.5	0.00	0.48	0.00	0	0	0	100	0.00	0.0	1.479	0.020	0	0	0	0
		B		7.52Y	125.3	0.00	0.67	0.00	0	0	0	100					0	0	0	0
		C		7.49Y	124.8	0.00	1.20	0.00	0	0	0	100					0	0	0	0
PD.4350-A	PL.193	A	Open	7.53Y	125.5	0.00	0.48	0.00	0	0	0	100	0.00	0.0	1.479	0.000	0	0	0	0
		B		7.52Y	125.3	0.00	0.67	0.00	0	0	0	100					0	0	0	0
		C		7.49Y	124.8	0.00	1.20	0.00	0	0	0	100					0	0	0	0
503301	PL.12916	B	Consumer	7.52Y	125.3	0.00	0.67	0.75	0	6	1	99	0.00	0.0	1.459	0.000	6	1	1	1
PL.24830	PL.12916	A	4/0ACSR	7.53Y	125.5	-0.03	0.46	48.32	10	352	-91	-97	0.82	0.0	1.535	0.076	0	0	0	84
		B		7.52Y	125.3	0.07	0.74	79.05	17	594	-33	-100					0	0	0	142
		C		7.48Y	124.7	0.07	1.27	121.07	26	906	19	100					0	0	0	175
PL.25001	PL.24830	A	4/0ACSR	7.53Y	125.6	-0.02	0.43	48.32	10	352	-91	-97	0.77	0.0	1.608	0.073	0	0	0	84
		B		7.51Y	125.2	0.07	0.81	76.81	16	576	-36	-100					0	0	0	138
		C		7.48Y	124.7	0.07	1.34	121.07	26	906	18	100					0	0	0	175
PL.12690	PL.25001	A	4/0ACSR	7.54Y	125.6	-0.07	0.36	48.31	10	352	-91	-97	2.22	0.1	1.816	0.208	0	0	0	83
		B		7.50Y	125.0	0.19	1.00	76.81	16	576	-36	-100					0	0	0	138
		C		7.47Y	124.5	0.20	1.55	121.07	26	905	17	100					0	0	0	175
PL.15828	PL.12690	A	4/0ACSR	7.54Y	125.6	-0.00	0.36	46.50	10	338	-94	-96	0.06	0.0	1.822	0.005	0	0	0	81
		B		7.50Y	125.0	0.01	1.00	76.81	16	575	-37	-100					0	0	0	138
		C		7.47Y	124.4	0.01	1.55	121.07	26	904	14	100					0	0	0	175
PD.175-A	PL.15828	A	Closed	7.54Y	125.6	0.00	0.36	46.50	0	338	-94	-96	0.00	0.0	1.822	0.000	0	0	0	81
		B		7.50Y	125.0	0.00	1.00	76.81	0	575	-37	-100					0	0	0	138
		C		7.47Y	124.4	0.00	1.55	121.07	0	904	14	100					0	0	0	175
PD.175-B	PD.175-A	A	Closed	7.54Y	125.6	0.00	0.36	46.50	0	338	-94	-96	0.00	0.0	1.822	0.000	0	0	0	81
		B		7.50Y	125.0	0.00	1.00	76.81	0	575	-37	-100					0	0	0	138
		C		7.47Y	124.4	0.00	1.55	121.07	0	904	14	100					0	0	0	175

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.15829	PD.175-B	A	4/0ACSR	7.54Y	125.7	-0.03	0.33	46.50	10	338	-94	-96	0.82	0.0	1.899	0.077	0	0	0	81
		B		7.50Y	124.9	0.07	1.08	76.81	16	575	-37	-100					0	0	0	138
		C		7.46Y	124.4	0.07	1.63	121.07	26	904	14	100					0	0	0	175
PL.15830	PL.15829	A	4ACSR	7.54Y	125.7	0.00	0.33	0.55	0	4	1	97	0.00	0.0	1.904	0.005	0	0	0	1
PD.2817	PL.15830	A	fuse6AMP	7.54Y	125.7	0.00	0.33	0.55	9	4	1	97	0.00	0.0	1.904	0.000	0	0	0	1
PL.15831	PD.2817	A	4ACSR	7.54Y	125.7	0.00	0.33	0.55	0	4	1	97	0.00	0.0	1.944	0.040	0	0	0	1
501501	PL.15831	A	Consumer	7.54Y	125.7	0.00	0.33	0.55	0	4	1	97	0.00	0.0	1.944	0.000	4	1	1	1
501603	PL.15829	B	Consumer	7.50Y	124.9	0.00	1.08	0.30	0	2	0	100	0.00	0.0	1.899	0.000	2	0	1	1
502601	PL.15829	B	Consumer	7.50Y	124.9	0.00	1.08	0.27	0	2	0	100	0.00	0.0	1.899	0.000	2	0	1	1
501604	PL.15829	B	Consumer	7.50Y	124.9	0.00	1.08	1.32	0	10	2	98	0.00	0.0	1.899	0.000	10	2	1	1
501602	PL.15829	B	Consumer	7.50Y	124.9	0.00	1.08	0.74	0	5	1	98	0.00	0.0	1.899	0.000	5	1	1	1
PL.12691	PL.15829	A	4/0ACSR	7.54Y	125.7	-0.04	0.29	46.00	10	334	-94	-96	1.15	0.1	2.009	0.110	0	0	0	80
		B		7.49Y	124.8	0.10	1.18	74.25	16	555	-40	-100					0	0	0	134
		C		7.46Y	124.3	0.11	1.73	121.07	26	903	12	100					0	0	0	175
PL.12692	PL.12691	A	4/0ACSR	7.54Y	125.7	-0.03	0.26	45.00	10	326	-96	-96	0.76	0.0	2.082	0.073	0	0	0	78
		B		7.49Y	124.8	0.07	1.24	74.25	16	555	-41	-100					0	0	0	134
		C		7.45Y	124.2	0.07	1.80	121.07	26	903	11	100					0	0	0	175
503701	PL.12692	A	Consumer	7.54Y	125.7	0.00	0.26	0.86	0	6	1	99	0.00	0.0	2.082	0.000	6	1	1	1
503702	PL.12692	C	Consumer	7.45Y	124.2	0.00	1.80	1.17	0	9	1	99	0.00	0.0	2.082	0.000	9	1	1	1
PL.24294	PL.12692	A	4/0ACSR	7.55Y	125.8	-0.02	0.23	44.23	9	319	-97	-96	0.56	0.0	2.137	0.055	0	0	0	77
		B		7.48Y	124.7	0.05	1.29	74.25	16	554	-41	-100					0	0	0	134
		C		7.45Y	124.1	0.05	1.86	119.91	26	893	8	100					0	0	0	174
PL.26263	PL.24294	A	4/0ACSR	7.55Y	125.8	-0.01	0.22	44.23	9	319	-97	-96	0.37	0.0	2.172	0.036	0	0	0	77
		B		7.48Y	124.7	0.03	1.32	74.25	16	554	-41	-100					0	0	0	134
		C		7.45Y	124.1	0.03	1.89	119.91	26	893	7	100					0	0	0	174
PL.15570	PL.26263	A	4ACSR	7.55Y	125.8	0.00	0.22	0.00	0	0	0	100	0.00	0.0	2.178	0.005	0	0	0	1
PD.2805	PL.15570	A	fuse6AMP	7.55Y	125.8	0.00	0.22	0.00	0	0	0	100	0.00	0.0	2.178	0.000	0	0	0	1
PL.15571	PD.2805	A	4ACSR	7.55Y	125.8	0.00	0.22	0.00	0	0	0	100	0.00	0.0	2.443	0.265	0	0	0	1
503501	PL.15571	A	Consumer	7.55Y	125.8	0.00	0.22	0.00	0	0	0	100	0.00	0.0	2.443	0.000	0	0	1	1
PL.26264	PL.26263	A	4/0ACSR	7.55Y	125.8	-0.05	0.17	44.23	9	319	-97	-96	1.19	0.1	2.288	0.116	0	0	0	76
		B		7.47Y	124.6	0.10	1.43	74.25	16	554	-41	-100					0	0	0	134
		C		7.44Y	124.0	0.11	2.00	119.91	26	893	7	100					0	0	0	174
PL.15572	PL.26264	B	4ACSR	7.47Y	124.6	0.00	1.43	13.31	7	98	16	99	0.00	0.0	2.294	0.006	0	0	0	17
PD.3711	PL.15572	B	25L	7.47Y	124.6	0.00	1.43	13.31	53	98	16	99	0.00	0.0	2.294	0.000	0	0	0	17
PL.15573	PD.3711	B	4ACSR	7.47Y	124.5	0.05	1.48	13.31	7	98	16	99	0.03	0.0	2.376	0.082	0	0	0	17
504801	PL.15573	B	Consumer	7.47Y	124.5	0.00	1.48	0.30	0	2	0	100	0.00	0.0	2.376	0.000	2	0	1	1
PL.26265	PL.15573	B	4ACSR	7.47Y	124.5	0.01	1.49	13.00	7	96	15	99	0.01	0.0	2.393	0.017	0	0	0	16
PL.26266	PL.26265	B	4ACSR	7.47Y	124.5	0.03	1.52	7.08	4	52	8	99	0.01	0.0	2.483	0.090	0	0	0	10
PL.26267	PL.26266	B	4ACSR	7.47Y	124.5	0.00	1.52	5.46	3	40	6	99	0.00	0.0	2.496	0.013	0	0	0	8
5039005	PL.26267	B	Consumer	7.47Y	124.5	0.00	1.52	0.00	0	0	0	100	0.00	0.0	2.496	0.000	0	0	1	1
503903	PL.26267	B	Consumer	7.47Y	124.5	0.00	1.52	2.06	0	15	2	99	0.00	0.0	2.496	0.000	15	2	1	1
PL.38259	PL.26267	B	4ACSR	7.47Y	124.5	0.00	1.52	0.84	0	6	1	99	0.00	0.0	2.505	0.010	0	0	0	2
PD.6672	PL.38259	B	fuse6AMP	7.47Y	124.5	0.00	1.52	0.84	14	6	1	99	0.00	0.0	2.505	0.000	0	0	0	2
PL.38260	PD.6672	B	4ACSR	7.47Y	124.5	0.00	1.52	0.84	0	6	1	99	0.00	0.0	2.571	0.066	0	0	0	2

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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
503901	PL.38260	B	Consumer	7.47Y	124.5	0.00	1.52	0.83	0	6	1	99	0.00	0.0	2.571	0.000	6	1	1	1
503904	PL.38260	B	Consumer	7.47Y	124.5	0.00	1.52	0.01	0	0	0	100	0.00	0.0	2.571	0.000	0	0	1	1
PL.26268	PL.26267	B	4ACSR	7.47Y	124.5	0.02	1.54	2.51	1	19	3	99	0.00	0.0	2.654	0.158	0	0	0	3
PL.26269	PL.26268	B	4ACSR	7.47Y	124.5	0.00	1.54	1.40	1	10	2	98	0.00	0.0	2.698	0.044	0	0	0	1
PL.42663	PL.26269	B	4ACSR	7.47Y	124.5	0.00	1.54	0.00	0	0	0	100	0.00	0.0	2.720	0.022	0	0	0	0
PD.8113-A	PL.42663	B	Closed	7.47Y	124.5	0.00	1.54	0.00	0	0	0	100	0.00	0.0	2.720	0.000	0	0	0	0
PD.8113-B	PD.8113-A	B	Closed	7.47Y	124.5	0.00	1.54	0.00	0	0	0	100	0.00	0.0	2.720	0.000	0	0	0	0
PL.42664	PD.8113-B	B	4ACSR	7.47Y	124.5	0.00	1.54	0.00	0	0	0	100	0.00	0.0	2.781	0.062	0	0	0	0
PL.42665	PL.42664	B	4ACSR	7.47Y	124.5	0.00	1.54	0.00	0	0	0	100	0.00	0.0	2.906	0.124	0	0	0	0
PL.42661	PL.42665	B	4ACSR	7.47Y	124.5	0.00	1.54	0.00	0	0	0	100	0.00	0.0	2.939	0.033	0	0	0	0
PD.8112-A	PL.42661	B	Open	7.47Y	124.5	0.00	1.54	0.00	0	0	0	100	0.00	0.0	2.939	0.000	0	0	0	0
502002	PL.26269	B	Consumer	7.47Y	124.5	0.00	1.54	1.40	0	10	2	98	0.00	0.0	2.698	0.000	10	2	1	1
PL.38263	PL.26268	B	4ACSR	7.47Y	124.5	0.00	1.54	1.11	1	8	1	99	0.00	0.0	2.657	0.003	0	0	0	2
PD.6674	PL.38263	B	fuse6AMP	7.47Y	124.5	0.00	1.54	1.11	19	8	1	99	0.00	0.0	2.657	0.000	0	0	0	2
PL.38264	PD.6674	B	4ACSR	7.47Y	124.5	0.00	1.54	1.11	1	8	1	99	0.00	0.0	2.715	0.058	0	0	0	2
501901	PL.38264	B	Consumer	7.47Y	124.5	0.00	1.54	0.04	0	0	0	100	0.00	0.0	2.715	0.000	0	0	1	1
502902	PL.38264	B	Consumer	7.47Y	124.5	0.00	1.54	1.07	0	8	1	99	0.00	0.0	2.715	0.000	8	1	1	1
PL.38262	PL.26267	B	4ACSR	7.47Y	124.5	0.00	1.52	0.05	0	0	0	100	0.00	0.0	2.505	0.009	0	0	0	1
PD.6673	PL.38262	B	fuse6AMP	7.47Y	124.5	0.00	1.52	0.05	1	0	0	100	0.00	0.0	2.505	0.000	0	0	0	1
PL.38261	PD.6673	B	4ACSR	7.47Y	124.5	0.00	1.52	0.05	0	0	0	100	0.00	0.0	2.577	0.072	0	0	0	1
503802	PL.38261	B	Consumer	7.47Y	124.5	0.00	1.52	0.05	0	0	0	100	0.00	0.0	2.577	0.000	0	0	1	1
503801	PL.26266	B	Consumer	7.47Y	124.5	0.00	1.52	1.09	0	8	1	99	0.00	0.0	2.483	0.000	8	1	1	1
503902	PL.26266	B	Consumer	7.47Y	124.5	0.00	1.52	0.54	0	4	1	97	0.00	0.0	2.483	0.000	4	1	1	1
PL.38257	PL.26265	B	4ACSR	7.47Y	124.5	0.00	1.49	5.92	3	44	7	99	0.00	0.0	2.399	0.006	0	0	0	6
C PD.6671	PL.38257	B	fuse6AMP	7.47Y	124.5	0.00	1.49	5.92	101	44	7	99	0.00	0.0	2.399	0.000	0	0	0	6 C
PL.38258	PD.6671	B	4ACSR	7.47Y	124.5	0.01	1.50	5.92	3	44	7	99	0.00	0.0	2.442	0.043	0	0	0	6
PL.3214	PL.38258	B	4ACSR	7.47Y	124.5	0.01	1.51	5.26	3	39	6	99	0.00	0.0	2.484	0.042	0	0	0	5
504901	PL.3214	B	Consumer	7.47Y	124.5	0.00	1.51	1.00	0	7	1	99	0.00	0.0	2.484	0.000	7	1	1	1
504803	PL.3214	B	Consumer	7.47Y	124.5	0.00	1.51	0.95	0	7	1	99	0.00	0.0	2.484	0.000	7	1	1	1
504806	PL.3214	B	Consumer	7.47Y	124.5	0.00	1.51	0.79	0	6	1	99	0.00	0.0	2.484	0.000	6	1	1	1
504805	PL.3214	B	Consumer	7.47Y	124.5	0.00	1.51	1.31	0	10	2	98	0.00	0.0	2.484	0.000	10	2	1	1
504804	PL.3214	B	Consumer	7.47Y	124.5	0.00	1.51	1.20	0	9	1	99	0.00	0.0	2.484	0.000	9	1	1	1
504802	PL.38258	B	Consumer	7.47Y	124.5	0.00	1.50	0.66	0	5	1	98	0.00	0.0	2.442	0.000	5	1	1	1
PL.24824	PL.26264	A	4/0ACSR	7.55Y	125.9	-0.03	0.15	44.23	9	319	-97	-96	0.61	0.0	2.351	0.063	0	0	0	76
		B		7.47Y	124.5	0.05	1.47	61.38	13	455	-57	-99					0	0	0	117
		C		7.44Y	123.9	0.07	2.07	119.91	26	892	5	100					0	0	0	174
505802	PL.24824	B	Consumer	7.47Y	124.5	0.00	1.47	0.00	0	0	0	100	0.00	0.0	2.351	0.000	0	0	0	0
505804	PL.24824	B	Consumer	7.47Y	124.5	0.00	1.47	0.14	0	1	0	100	0.00	0.0	2.351	0.000	1	0	1	1
505801	PL.24824	B	Consumer	7.47Y	124.5	0.00	1.47	0.63	0	4	2	89	0.00	0.0	2.351	0.000	4	2	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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.24825	PL.24824	A	4/0ACSR	7.55Y	125.9	-0.03	0.12	44.23	9	319	-97	-96	0.59	0.0	2.412	0.061	0	0	0	76
		B		7.47Y	124.5	0.04	1.52	60.71	13	450	-59	-99					0	0	0	115
		C		7.43Y	123.9	0.06	2.13	119.91	26	892	4	100					0	0	0	174
PL.24826	PL.24825	A	4/0ACSR	7.56Y	125.9	-0.04	0.07	44.23	9	319	-98	-96	0.92	0.1	2.509	0.096	0	0	0	76
		B		7.46Y	124.4	0.07	1.59	60.71	13	450	-60	-99					0	0	0	115
		C		7.43Y	123.8	0.10	2.23	119.48	25	888	3	100					0	0	0	173
PL.18243	PL.24826	A	4/0ACSR	7.56Y	126.0	-0.05	0.02	44.23	9	320	-98	-96	1.07	0.1	2.621	0.113	0	0	0	76
		B		7.46Y	124.3	0.08	1.67	60.06	13	444	-60	-99					0	0	0	113
		C		7.42Y	123.6	0.12	2.35	119.48	25	887	1	100					0	0	0	173
PD.3069-A	PL.18243	A	Closed	7.56Y	126.0	0.00	0.02	44.23	0	320	-98	-96	0.00	0.0	2.621	0.000	0	0	0	76
		B		7.46Y	124.3	0.00	1.67	60.06	0	444	-61	-99					0	0	0	113
		C		7.42Y	123.6	0.00	2.35	119.48	0	886	-1	-100					0	0	0	173
PD.3069-B	PD.3069-A	A	Closed	7.56Y	126.0	0.00	0.02	44.23	0	320	-98	-96	0.00	0.0	2.621	0.000	0	0	0	76
		B		7.46Y	124.3	0.00	1.67	60.06	0	444	-61	-99					0	0	0	113
		C		7.42Y	123.6	0.00	2.35	119.48	0	886	-1	-100					0	0	0	173
PL.18325	PD.3069-B	A	4/0ACSR	7.56Y	126.0	-0.00	0.02	44.23	9	320	-98	-96	0.01	0.0	2.622	0.001	0	0	0	76
		B		7.46Y	124.3	0.00	1.67	60.06	13	444	-61	-99					0	0	0	113
		C		7.42Y	123.6	0.00	2.35	119.48	25	886	-1	-100					0	0	0	173
PL.24295	PL.18325	A	4/0ACSR	7.56Y	126.0	-0.02	-0.00	43.40	9	313	-99	-95	0.43	0.0	2.668	0.046	0	0	0	75
		B		7.46Y	124.3	0.03	1.70	60.06	13	444	-61	-99					0	0	0	113
		C		7.42Y	123.6	0.05	2.40	119.48	25	886	-1	-100					0	0	0	173
508003	PL.24295	B	Consumer	7.46Y	124.3	0.00	1.70	0.64	0	5	1	98	0.00	0.0	2.668	0.000	5	1	1	1
PL.5797	PL.24295	A	4/0ACSR	7.56Y	126.0	-0.02	-0.02	43.40	9	313	-99	-95	0.43	0.0	2.713	0.045	0	0	0	75
		B		7.46Y	124.3	0.03	1.73	59.45	13	439	-61	-99					0	0	0	112
		C		7.41Y	123.6	0.05	2.45	119.48	25	886	-1	-100					0	0	0	173
PL.24821	PL.5797	A	4/0ACSR	7.56Y	126.0	-0.01	-0.04	43.40	9	313	-99	-95	0.26	0.0	2.741	0.027	0	0	0	75
		B		7.45Y	124.2	0.02	1.75	58.23	12	430	-63	-99					0	0	0	109
		C		7.41Y	123.5	0.03	2.48	119.48	25	886	-2	-100					0	0	0	173
PL.15097	PL.24821	A	336ACSR	7.56Y	126.0	0.00	-0.04	30.94	4	224	-68	-96	0.00	0.0	2.746	0.005	0	0	0	62
		B		7.45Y	124.2	0.00	1.75	38.69	5	286	-37	-99					0	0	0	76
		C		7.41Y	123.5	-0.00	2.48	28.87	4	202	-72	-94					0	0	0	57
PD.176-A	PL.15097	A	Closed	7.56Y	126.0	0.00	-0.04	30.94	0	224	-68	-96	0.00	0.0	2.746	0.000	0	0	0	62
		B		7.45Y	124.2	0.00	1.75	38.69	0	286	-37	-99					0	0	0	76
		C		7.41Y	123.5	0.00	2.48	28.87	0	202	-72	-94					0	0	0	57
PD.176-B	PD.176-A	A	Closed	7.56Y	126.0	0.00	-0.04	30.94	0	224	-68	-96	0.00	0.0	2.746	0.000	0	0	0	62
		B		7.45Y	124.2	0.00	1.75	38.69	0	286	-37	-99					0	0	0	76
		C		7.41Y	123.5	0.00	2.48	28.87	0	202	-72	-94					0	0	0	57
PL.21413	PD.176-B	A	336ACSR	7.56Y	126.0	0.02	-0.02	30.94	4	224	-68	-96	0.20	0.0	2.963	0.217	0	0	0	62
		B		7.45Y	124.2	0.03	1.79	38.69	5	286	-37	-99					0	0	0	76
		C		7.41Y	123.5	-0.01	2.47	28.87	4	202	-72	-94					0	0	0	57
CP.41	PL.21413	A	Cap (300)	7.56Y	126.0	0.00	-0.02	-14.59	0	0	-110	0	0.00	0.0	2.963	0.000	0	0	0	0
P		B		7.45Y	124.2	0.00	1.79	-14.38	0	0	-107	0					0	0	0	0 P
P		C		7.41Y	123.5	0.00	2.47	-14.30	0	0	-106	0					0	0	0	0 P
PL.20087	PL.21413	A	336ACSR	7.56Y	126.0	0.04	0.02	30.13	4	224	42	98	0.14	0.0	3.119	0.156	0	0	0	62
		B		7.45Y	124.2	0.05	1.83	39.50	5	286	70	97					0	0	0	76
		C		7.41Y	123.5	0.02	2.48	27.59	4	202	34	99					0	0	0	57
PL.15640	PL.20087	A	4ACSR	7.56Y	126.0	0.00	0.02	5.48	3	40	9	98	0.00	0.0	3.125	0.005	0	0	0	10
C PD.2420	PL.15640	A	fuse6AMP	7.56Y	126.0	0.00	0.02	5.48	94	40	9	98	0.00	0.0	3.125	0.000	0	0	0	10 C
PL.33246	PD.2420	A	4ACSR	7.56Y	126.0	0.00	0.02	5.48	3	40	9	98	0.00	0.0	3.127	0.002	0	0	0	10
PL.33247	PL.33246	A	4ACSR	7.56Y	126.0	0.01	0.03	5.48	3	40	9	98	0.00	0.0	3.153	0.026	0	0	0	10
PL.12755	PL.33247	A	4ACSR	7.56Y	126.0	0.01	0.03	4.36	2	32	6	98	0.00	0.0	3.186	0.033	0	0	0	7
PL.6519	PL.12755	A	4ACSR	7.56Y	126.0	0.01	0.04	3.40	2	25	5	98	0.00	0.0	3.220	0.034	0	0	0	4
PL.19190	PL.6519	A	336ACSR	7.56Y	126.0	0.00	0.04	0.99	0	7	2	96	0.00	0.0	3.285	0.065	0	0	0	2

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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
512912	PL.19190	A	Consumer	7.56Y	126.0	0.00	0.04	0.55	0	4	2	89	0.00	0.0	3.285	0.000	4	2	1	1
PL.19191	PL.19190	A	336ACSR	7.56Y	126.0	0.00	0.04	0.44	0	3	1	95	0.00	0.0	3.312	0.027	0	0	0	1
PL.6520	PL.19191	A	336ACSR	7.56Y	126.0	0.00	0.04	0.00	0	0	0	100	0.00	0.0	3.343	0.031	0	0	0	0
PL.6521	PL.6520	A	336ACSR	7.56Y	126.0	0.00	0.04	0.00	0	0	0	100	0.00	0.0	3.343	0.000	0	0	0	0
512917	PL.19191	A	Consumer	7.56Y	126.0	0.00	0.04	0.44	0	3	1	95	0.00	0.0	3.312	0.000	3	1	1	1
512805	PL.6519	A	Consumer	7.56Y	126.0	0.00	0.04	0.00	0	0	0	100	0.00	0.0	3.220	0.000	0	0	0	0
512901	PL.6519	A	Consumer	7.56Y	126.0	0.00	0.04	0.31	0	2	0	100	0.00	0.0	3.220	0.000	2	0	1	1
511818	PL.6519	A	Consumer	7.56Y	126.0	0.00	0.04	0.00	0	0	0	100	0.00	0.0	3.220	0.000	0	0	0	0
511901	PL.6519	A	Consumer	7.56Y	126.0	0.00	0.04	2.12	0	16	3	98	0.00	0.0	3.220	0.000	16	3	1	1
PL.3445	PL.6519	A	4ACSR	7.56Y	126.0	0.00	0.04	0.00	0	0	0	100	0.00	0.0	3.246	0.026	0	0	0	0
PL.43527	PL.3445	A	4ACSR	7.56Y	126.0	0.00	0.04	0.00	0	0	0	100	0.00	0.0	3.277	0.031	0	0	0	0
PD.8578-A	PL.43527	A	Open	7.56Y	126.0	0.00	0.04	0.00	0	0	0	100	0.00	0.0	3.277	0.000	0	0	0	0
511816	PL.12755	A	Consumer	7.56Y	126.0	0.00	0.03	0.09	0	1	0	100	0.00	0.0	3.186	0.000	1	0	1	1
511810	PL.12755	A	Consumer	7.56Y	126.0	0.00	0.03	0.31	0	2	0	100	0.00	0.0	3.186	0.000	2	0	1	1
511809	PL.12755	A	Consumer	7.56Y	126.0	0.00	0.03	0.56	0	4	1	97	0.00	0.0	3.186	0.000	4	1	1	1
510802	PL.33247	A	Consumer	7.56Y	126.0	0.00	0.03	0.33	0	2	0	100	0.00	0.0	3.153	0.000	2	0	1	1
511824	PL.33247	A	Consumer	7.56Y	126.0	0.00	0.03	0.53	0	4	2	89	0.00	0.0	3.153	0.000	4	2	1	1
511814	PL.33247	A	Consumer	7.56Y	126.0	0.00	0.03	0.00	0	0	0	100	0.00	0.0	3.153	0.000	0	0	0	0
511808	PL.33247	A	Consumer	7.56Y	126.0	0.00	0.03	0.29	0	2	0	100	0.00	0.0	3.153	0.000	2	0	1	1
PL.38655	PL.20087	A	336ACSR	7.56Y	126.0	0.00	0.02	21.64	3	161	28	99	0.01	0.0	3.137	0.018	0	0	0	44
		B		7.45Y	124.2	0.01	1.84	38.24	5	277	68	97					0	0	0	73
		C		7.41Y	123.5	0.00	2.48	26.90	4	197	33	99					0	0	0	56
PD.7051-A	PL.38655	A	Closed	7.56Y	126.0	0.00	0.02	21.64	0	161	28	99	0.00	0.0	3.137	0.000	0	0	0	44
		B		7.45Y	124.2	0.00	1.84	38.24	0	277	68	97					0	0	0	73
		C		7.41Y	123.5	0.00	2.48	26.90	0	197	33	99					0	0	0	56
PD.7051-B	PD.7051-A	A	Closed	7.56Y	126.0	0.00	0.02	21.64	0	161	28	99	0.00	0.0	3.137	0.000	0	0	0	44
		B		7.45Y	124.2	0.00	1.84	38.24	0	277	68	97					0	0	0	73
		C		7.41Y	123.5	0.00	2.48	26.90	0	197	33	99					0	0	0	56
PL.38656	PD.7051-B	A	336ACSR	7.56Y	126.0	0.00	0.02	21.64	3	161	28	99	0.00	0.0	3.144	0.007	0	0	0	44
		B		7.45Y	124.2	0.00	1.84	38.24	5	277	68	97					0	0	0	73
		C		7.41Y	123.5	0.00	2.48	26.90	4	197	33	99					0	0	0	56
PD.3068-A	PL.38656	A	Closed	7.56Y	126.0	0.00	0.02	21.64	0	161	28	99	0.00	0.0	3.144	0.000	0	0	0	44
		B		7.45Y	124.2	0.00	1.84	38.24	0	277	68	97					0	0	0	73
		C		7.41Y	123.5	0.00	2.48	26.90	0	197	33	99					0	0	0	56
PD.3068-B	PD.3068-A	A	Closed	7.56Y	126.0	0.00	0.02	21.64	0	161	28	99	0.00	0.0	3.144	0.000	0	0	0	44
		B		7.45Y	124.2	0.00	1.84	38.24	0	277	68	97					0	0	0	73
		C		7.41Y	123.5	0.00	2.48	26.90	0	197	33	99					0	0	0	56
PL.18242	PD.3068-B	A	336ACSR	7.56Y	126.0	0.00	0.03	21.64	3	161	28	99	0.02	0.0	3.174	0.030	0	0	0	44
		B		7.45Y	124.1	0.01	1.85	38.24	5	277	68	97					0	0	0	73
		C		7.41Y	123.5	0.00	2.49	26.90	4	197	33	99					0	0	0	56
PL.195	PL.18242	A	336ACSR	7.56Y	126.0	0.00	0.03	21.64	3	161	28	99	0.01	0.0	3.183	0.009	0	0	0	44
		B		7.45Y	124.1	0.00	1.86	38.24	5	277	68	97					0	0	0	73
		C		7.41Y	123.5	0.00	2.49	26.90	4	197	33	99					0	0	0	56
PL.6517	PL.195	A	336ACSR	7.56Y	126.0	0.00	0.03	0.00	0	0	0	100	0.00	0.0	3.234	0.051	0	0	0	0
		B		7.45Y	124.1	0.00	1.86	0.21	0	2	0	99					0	0	0	3
		C		7.41Y	123.5	-0.00	2.49	0.00	0	0	0	100					0	0	0	0
511716	PL.6517	B	Consumer	7.45Y	124.1	0.00	1.86	0.16	0	1	0	100	0.00	0.0	3.234	0.000	1	0	1	1

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

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
511712	PL.6517	B	Consumer	7.45Y	124.1	0.00	1.86	0.05	0	0	0	100	0.00	0.0	3.234	0.000	0	0	1	1
511710	PL.6517	B	Consumer	7.45Y	124.1	0.00	1.86	0.00	0	0	0	100	0.00	0.0	3.234	0.000	0	0	1	1
511711	PL.6517	B	Consumer	7.45Y	124.1	0.00	1.86	0.00	0	0	0	100	0.00	0.0	3.234	0.000	0	0	0	0
PL.6518	PL.6517	A	336ACSR	7.56Y	126.0	0.00	0.03	0.00	0	0	0	100	0.00	0.0	3.261	0.027	0	0	0	0
		B		7.45Y	124.1	0.00	1.86	0.00	0	0	0	100					0	0	0	0
		C		7.41Y	123.5	0.00	2.49	0.00	0	0	0	100					0	0	0	0
PD.3067-A	PL.6518	A	Open	7.56Y	126.0	0.00	0.03	0.00	0	0	0	100	0.00	0.0	3.261	0.000	0	0	0	0
		B		7.45Y	124.1	0.00	1.86	0.00	0	0	0	100					0	0	0	0
		C		7.41Y	123.5	0.00	2.49	0.00	0	0	0	100					0	0	0	0
PL.12756	PL.195	A	336ACSR	7.56Y	126.0	0.01	0.03	20.75	3	155	27	99	0.03	0.0	3.221	0.038	0	0	0	40
		B		7.45Y	124.1	0.01	1.87	37.87	5	274	67	97					0	0	0	69
		C		7.41Y	123.5	0.00	2.49	21.97	3	160	28	99					0	0	0	45
512802	PL.12756	B	Consumer	7.45Y	124.1	0.00	1.87	0.60	0	4	1	97	0.00	0.0	3.221	0.000	4	1	1	1
511811	PL.12756	B	Consumer	7.45Y	124.1	0.00	1.87	0.09	0	1	0	100	0.00	0.0	3.221	0.000	1	0	1	1
PL.19059	PL.12756	A	336ACSR	7.56Y	126.0	0.01	0.04	20.75	3	155	27	99	0.02	0.0	3.254	0.033	0	0	0	40
		B		7.45Y	124.1	0.01	1.88	37.19	5	269	67	97					0	0	0	67
		C		7.41Y	123.5	0.00	2.49	21.97	3	160	28	99					0	0	0	45
512804	PL.19059	B	Consumer	7.45Y	124.1	0.00	1.88	0.39	0	3	0	100	0.00	0.0	3.254	0.000	3	0	1	1
512814	PL.19059	B	Consumer	7.45Y	124.1	0.00	1.88	0.13	0	1	0	100	0.00	0.0	3.254	0.000	1	0	1	1
512816	PL.19059	B	Consumer	7.45Y	124.1	0.00	1.88	0.70	0	5	2	93	0.00	0.0	3.254	0.000	5	2	1	1
512811	PL.19059	B	Consumer	7.45Y	124.1	0.00	1.88	0.14	0	1	0	100	0.00	0.0	3.254	0.000	1	0	1	1
512808	PL.19059	B	Consumer	7.45Y	124.1	0.00	1.88	0.26	0	2	0	100	0.00	0.0	3.254	0.000	2	0	1	1
PL.19766	PL.19059	A	336ACSR	7.56Y	126.0	0.00	0.04	20.75	3	155	27	99	0.02	0.0	3.284	0.030	0	0	0	40
		B		7.45Y	124.1	0.01	1.89	35.58	5	257	63	97					0	0	0	62
		C		7.41Y	123.5	0.00	2.49	21.97	3	160	28	99					0	0	0	45
PL.43528	PL.19766	A	4ACSR	7.56Y	126.0	0.00	0.04	0.00	0	0	0	100	0.00	0.0	3.291	0.007	0	0	0	0
PD.8578-B	PL.43528	A	Open	7.56Y	126.0	0.00	0.04	0.00	0	0	0	100	0.00	0.0	3.291	0.000	0	0	0	0
PL.19443	PL.19766	A	336ACSR	7.56Y	125.9	0.01	0.05	16.02	2	119	20	99	0.02	0.0	3.328	0.044	0	0	0	34
		B		7.45Y	124.1	0.01	1.90	35.58	5	257	63	97					0	0	0	62
		C		7.41Y	123.5	-0.00	2.49	17.48	2	128	22	99					0	0	0	36
512905	PL.19443	B	Consumer	7.45Y	124.1	0.00	1.90	0.00	0	0	0	100	0.00	0.0	3.328	0.000	0	0	0	0
512920	PL.19443	B	Consumer	7.45Y	124.1	0.00	1.90	1.05	0	8	1	99	0.00	0.0	3.328	0.000	8	1	1	1
PL.19444	PL.19443	A	336ACSR	7.56Y	125.9	0.00	0.05	16.02	2	119	20	99	0.01	0.0	3.343	0.015	0	0	0	34
		B		7.45Y	124.1	0.00	1.91	34.54	5	250	62	97					0	0	0	61
		C		7.41Y	123.5	-0.00	2.49	17.48	2	128	22	99					0	0	0	36
PL.20056	PL.19444	A	336ACSR	7.56Y	125.9	0.01	0.06	16.02	2	119	20	99	0.03	0.0	3.395	0.052	0	0	0	34
		B		7.44Y	124.1	0.02	1.92	34.52	5	249	62	97					0	0	0	60
		C		7.41Y	123.5	-0.00	2.49	17.48	2	128	22	99					0	0	0	36
513918	PL.20056	B	Consumer	7.44Y	124.1	0.00	1.92	0.71	0	5	1	98	0.00	0.0	3.395	0.000	5	1	1	1
513835	PL.20056	C	Consumer	7.41Y	123.5	0.00	2.49	0.45	0	3	1	95	0.00	0.0	3.395	0.000	3	1	1	1
512915	PL.20056	B	Consumer	7.44Y	124.1	0.00	1.92	0.00	0	0	0	100	0.00	0.0	3.395	0.000	0	0	0	0
513809	PL.20056	C	Consumer	7.41Y	123.5	0.00	2.49	0.18	0	1	1	71	0.00	0.0	3.395	0.000	1	1	1	1
512919	PL.20056	B	Consumer	7.44Y	124.1	0.00	1.92	0.00	0	0	0	100	0.00	0.0	3.395	0.000	0	0	0	0
512911	PL.20056	B	Consumer	7.44Y	124.1	0.00	1.92	0.32	0	2	0	100	0.00	0.0	3.395	0.000	2	0	1	1
513913	PL.20056	B	Consumer	7.44Y	124.1	0.00	1.92	1.02	0	7	1	99	0.00	0.0	3.395	0.000	7	1	1	1
513824	PL.20056	C	Consumer	7.41Y	123.5	0.00	2.49	0.00	0	0	0	100	0.00	0.0	3.395	0.000	0	0	0	0

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

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
512904	PL.20056	A	Consumer	7.56Y	125.9	0.00	0.06	0.00	0	0	0	100	0.00	0.0	3.395	0.000	0	0	0	0
PL.20057	PL.20056	A	336ACSR	7.56Y	125.9	0.00	0.06	16.02	2	119	20	99	0.01	0.0	3.420	0.025	0	0	0	34
		B		7.44Y	124.1	0.01	1.93	32.47	4	234	59	97					0	0	0	57
		C		7.41Y	123.5	-0.00	2.49	16.86	2	123	21	99					0	0	0	34
PL.20224	PL.20057	A	336ACSR	7.56Y	125.9	0.00	0.06	16.02	2	119	20	99	0.00	0.0	3.425	0.005	0	0	0	34
		B		7.44Y	124.1	0.00	1.93	17.07	2	124	28	98					0	0	0	29
		C		7.41Y	123.5	0.00	2.49	16.86	2	123	21	99					0	0	0	34
PL.20225	PL.20224	A	336ACSR	7.56Y	125.9	0.01	0.07	16.02	2	119	20	99	0.01	0.0	3.485	0.060	0	0	0	34
		B		7.44Y	124.1	0.01	1.94	17.07	2	124	28	98					0	0	0	29
		C		7.41Y	123.5	0.01	2.49	16.86	2	123	21	99					0	0	0	34
PL.12751	PL.20225	A	336ACSR	7.56Y	125.9	0.00	0.07	16.02	2	119	20	99	0.01	0.0	3.518	0.033	0	0	0	34
		B		7.44Y	124.1	0.00	1.94	17.07	2	124	27	98					0	0	0	29
		C		7.41Y	123.5	0.00	2.50	10.34	1	75	13	98					0	0	0	24
PL.5804	PL.12751	A	4ACSR	7.56Y	125.9	0.00	0.08	0.95	0	7	2	96	0.00	0.0	3.525	0.007	0	0	0	4
		B		7.44Y	124.1	0.00	1.94	2.14	1	16	3	98					0	0	0	7
PL.5805	PL.5804	A	4ACSR	7.56Y	125.9	0.00	0.08	0.21	0	1	1	71	0.00	0.0	3.557	0.032	0	0	0	1
		B		7.44Y	124.1	0.00	1.95	2.14	1	16	3	98					0	0	0	7
514915	PL.5805	B	Consumer	7.44Y	124.1	0.00	1.95	0.20	0	1	0	100	0.00	0.0	3.557	0.000	1	0	1	1
PL.6516	PL.5805	A	4ACSR	7.56Y	125.9	0.00	0.08	0.21	0	1	1	71	0.00	0.0	3.585	0.027	0	0	0	1
		B		7.44Y	124.1	0.00	1.95	1.94	1	14	3	98					0	0	0	6
PL.3443	PL.6516	A	4ACSR	7.56Y	125.9	0.00	0.08	0.21	0	1	1	71	0.00	0.0	3.653	0.068	0	0	0	1
		B		7.44Y	124.0	0.00	1.95	0.49	0	3	1	96					0	0	0	2
515015	PL.3443	B	Consumer	7.44Y	124.0	0.00	1.95	0.27	0	2	0	100	0.00	0.0	3.653	0.000	2	0	1	1
515014	PL.3443	A	Consumer	7.56Y	125.9	0.00	0.08	0.21	0	1	1	71	0.00	0.0	3.653	0.000	1	1	1	1
		B		7.44Y	124.0	0.00	1.95	0.22	0	1	1	90					1	1	1	1
514921	PL.6516	B	Consumer	7.44Y	124.1	0.00	1.95	0.76	0	6	1	99	0.00	0.0	3.585	0.000	6	1	1	1
514924	PL.6516	B	Consumer	7.44Y	124.1	0.00	1.95	0.06	0	0	0	100	0.00	0.0	3.585	0.000	0	0	1	1
514925	PL.6516	B	Consumer	7.44Y	124.1	0.00	1.95	0.25	0	2	0	100	0.00	0.0	3.585	0.000	2	0	1	1
514926	PL.6516	B	Consumer	7.44Y	124.1	0.00	1.95	0.38	0	3	0	100	0.00	0.0	3.585	0.000	3	0	1	1
514916	PL.5804	A	Consumer	7.56Y	125.9	0.00	0.08	0.30	0	2	0	100	0.00	0.0	3.525	0.000	2	0	1	1
513903	PL.5804	A	Consumer	7.56Y	125.9	0.00	0.08	0.43	0	3	1	95	0.00	0.0	3.525	0.000	3	1	1	1
514923	PL.5804	A	Consumer	7.56Y	125.9	0.00	0.08	0.01	0	0	0	100	0.00	0.0	3.525	0.000	0	0	1	1
PL.12750	PL.12751	A	336ACSR	7.56Y	125.9	0.01	0.08	15.07	2	112	18	99	0.01	0.0	3.559	0.041	0	0	0	30
		B		7.44Y	124.1	0.00	1.95	14.93	2	108	25	98					0	0	0	22
		C		7.41Y	123.5	0.00	2.50	6.19	1	45	9	98					0	0	0	17
PL.5803	PL.12750	A	336ACSR	7.55Y	125.9	0.01	0.09	14.70	2	110	18	99	0.01	0.0	3.619	0.060	0	0	0	28
		B		7.44Y	124.1	0.00	1.95	14.93	2	108	24	98					0	0	0	22
		C		7.41Y	123.5	-0.00	2.49	1.43	0	10	3	96					0	0	0	4
PL.38663	PL.5803	C	4ACSR	7.41Y	123.5	0.00	2.50	0.83	0	6	1	99	0.00	0.0	3.628	0.009	0	0	0	3
PD.7055	PL.38663	C	fuse6AMP	7.41Y	123.5	0.00	2.50	0.83	14	6	1	99	0.00	0.0	3.628	0.000	0	0	0	3
PL.38664	PD.7055	C	4ACSR	7.41Y	123.5	0.00	2.50	0.83	0	6	1	99	0.00	0.0	3.637	0.009	0	0	0	3
514814	PL.38664	C	Consumer	7.41Y	123.5	0.00	2.50	0.18	0	1	0	100	0.00	0.0	3.637	0.000	1	0	1	1
514808	PL.38664	C	Consumer	7.41Y	123.5	0.00	2.50	0.00	0	0	0	100	0.00	0.0	3.637	0.000	0	0	1	1
PL.25017	PL.38664	C	4ACSR	7.41Y	123.5	0.00	2.50	0.66	0	5	1	98	0.00	0.0	3.697	0.060	0	0	0	1
514813	PL.25017	C	Consumer	7.41Y	123.5	0.00	2.50	0.66	0	5	1	98	0.00	0.0	3.697	0.000	5	1	1	1
PL.38661	PL.5803	B	4ACSR	7.44Y	124.0	0.00	1.95	1.97	1	15	2	99	0.00	0.0	3.626	0.008	0	0	0	2
PD.7054	PL.38661	B	fuse6AMP	7.44Y	124.0	0.00	1.95	1.97	34	15	2	99	0.00	0.0	3.626	0.000	0	0	0	2

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.38662	PD.7054	B	4ACSR	7.44Y	124.0	0.01	1.96	1.97	1	15	2	99	0.00	0.0	3.701	0.074	0	0	0	2
515803	PL.38662	B	Consumer	7.44Y	124.0	0.00	1.96	0.99	0	7	1	99	0.00	0.0	3.701	0.000	7	1	1	1
515801	PL.38662	B	Consumer	7.44Y	124.0	0.00	1.96	0.98	0	7	1	99	0.00	0.0	3.701	0.000	7	1	1	1
5158005	515801	B	Consumer	7.44Y	124.0	0.00	1.96	0.00	0	0	0	100	0.00	0.0	3.701	0.000	0	0	0	0
PL.5798	PL.5803	A	336ACSR	7.55Y	125.9	0.01	0.10	14.70	2	110	18	99	0.00	0.0	3.656	0.037	0	0	0	28
		B		7.44Y	124.0	0.00	1.95	12.97	2	94	22	97					0	0	0	20
		C		7.41Y	123.5	-0.00	2.49	0.62	0	4	2	90					0	0	0	1
PD.4348-A	PL.5798	A	Closed	7.55Y	125.9	0.00	0.10	14.70	0	110	18	99	0.00	0.0	3.656	0.000	0	0	0	28
		B		7.44Y	124.0	0.00	1.95	12.97	0	94	22	97					0	0	0	20
		C		7.41Y	123.5	0.00	2.49	0.62	0	4	2	90					0	0	0	1
PD.4348-B	PD.4348-A	A	Closed	7.55Y	125.9	0.00	0.10	14.70	0	110	18	99	0.00	0.0	3.656	0.000	0	0	0	28
		B		7.44Y	124.0	0.00	1.95	12.97	0	94	22	97					0	0	0	20
		C		7.41Y	123.5	0.00	2.49	0.62	0	4	2	90					0	0	0	1
PL.33226	PD.4348-B	A	336ACSR	7.55Y	125.9	0.00	0.10	14.70	2	110	18	99	0.00	0.0	3.663	0.008	0	0	0	28
		B		7.44Y	124.0	0.00	1.95	12.97	2	94	22	97					0	0	0	20
		C		7.41Y	123.5	-0.00	2.49	0.62	0	4	2	90					0	0	0	1
PL.33227	PL.33226	A	336ACSR	7.55Y	125.9	0.01	0.11	14.70	2	110	18	99	0.01	0.0	3.727	0.064	0	0	0	28
		B		7.44Y	124.0	0.00	1.95	12.97	2	94	22	97					0	0	0	20
		C		7.41Y	123.5	-0.00	2.49	0.62	0	4	2	90					0	0	0	1
PL.26686	PL.33227	A	336ACSR	7.55Y	125.9	0.00	0.11	0.59	0	4	1	97	0.00	0.0	3.743	0.016	0	0	0	3
		B		7.44Y	124.0	0.00	1.96	12.97	2	94	22	97					0	0	0	20
		C		7.41Y	123.5	-0.00	2.49	0.00	0	0	0	100					0	0	0	0
PD.179-A	PL.26686	A	Closed	7.55Y	125.9	0.00	0.11	0.59	0	4	1	97	0.00	0.0	3.743	0.000	0	0	0	3
		B		7.44Y	124.0	0.00	1.96	12.97	0	94	22	97					0	0	0	20
		C		7.41Y	123.5	0.00	2.49	0.00	0	0	0	100					0	0	0	0
PD.179-B	PD.179-A	A	Closed	7.55Y	125.9	0.00	0.11	0.59	0	4	1	97	0.00	0.0	3.743	0.000	0	0	0	3
		B		7.44Y	124.0	0.00	1.96	12.97	0	94	22	97					0	0	0	20
		C		7.41Y	123.5	0.00	2.49	0.00	0	0	0	100					0	0	0	0
PL.26687	PD.179-B	A	336ACSR	7.55Y	125.9	0.00	0.11	0.59	0	4	1	97	0.00	0.0	3.766	0.023	0	0	0	3
		B		7.44Y	124.0	0.00	1.96	12.97	2	94	22	97					0	0	0	20
		C		7.41Y	123.5	-0.00	2.49	0.00	0	0	0	100					0	0	0	0
PL.12742	PL.26687	A	336ACSR	7.55Y	125.9	0.00	0.11	0.59	0	4	1	97	0.00	0.0	3.799	0.034	0	0	0	3
		B		7.44Y	124.0	0.00	1.96	11.63	2	84	21	97					0	0	0	18
		C		7.41Y	123.5	-0.00	2.49	0.00	0	0	0	100					0	0	0	0
PL.12748	PL.12742	A	336ACSR	7.55Y	125.9	0.00	0.12	0.59	0	4	1	97	0.00	0.0	3.841	0.041	0	0	0	3
		B		7.44Y	124.0	0.00	1.97	7.71	1	55	16	96					0	0	0	10
		C		7.41Y	123.5	-0.00	2.48	0.00	0	0	0	100					0	0	0	0
PL.12749	PL.12748	A	336ACSR	7.55Y	125.9	0.00	0.12	0.00	0	0	0	100	0.00	0.0	3.885	0.045	0	0	0	0
		B		7.44Y	124.0	0.00	1.97	2.90	0	19	9	90					0	0	0	2
		C		7.41Y	123.5	-0.00	2.48	0.00	0	0	0	100					0	0	0	0
PL.25012	PL.12749	A	336ACSR	7.55Y	125.9	0.00	0.12	0.00	0	0	0	100	0.00	0.0	3.962	0.077	0	0	0	0
		B		7.44Y	124.0	0.00	1.97	0.22	0	1	1	90					0	0	0	1
		C		7.41Y	123.5	-0.00	2.48	0.00	0	0	0	100					0	0	0	0
PL.7893	PL.25012	A	336ACSR	7.55Y	125.9	0.00	0.12	0.00	0	0	0	100	0.00	0.0	4.023	0.060	0	0	0	0
		B		7.44Y	124.0	0.00	1.97	0.22	0	1	1	90					0	0	0	1
		C		7.41Y	123.5	-0.00	2.48	0.00	0	0	0	100					0	0	0	0
PL.7894	PL.7893	A	336ACSR	7.55Y	125.9	0.00	0.12	0.00	0	0	0	100	0.00	0.0	4.060	0.037	0	0	0	0
		B		7.44Y	124.0	0.00	1.97	0.00	0	0	0	100					0	0	0	0
		C		7.41Y	123.5	0.00	2.48	0.00	0	0	0	100					0	0	0	0
PD.4342-A	PL.7894	A	Open	7.55Y	125.9	0.00	0.12	0.00	0	0	0	100	0.00	0.0	4.060	0.000	0	0	0	0
		B		7.44Y	124.0	0.00	1.97	0.00	0	0	0	100					0	0	0	0
		C		7.41Y	123.5	0.00	2.48	0.00	0	0	0	100					0	0	0	0
072623	PL.7893	B	Consumer	7.44Y	124.0	0.00	1.97	0.22	0	1	1	71	0.00	0.0	4.023	0.000	1	1	1	1
517013	PL.12749	B	Consumer	7.44Y	124.0	0.00	1.97	2.68	0	18	9	89	0.00	0.0	3.885	0.000	18	9	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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
516912	PL.12748	B	Consumer	7.44Y	124.0	0.00	1.97	0.32	0	2	0	100	0.00	0.0	3.841	0.000	2	0	1	1
517001	PL.12748	B	Consumer	7.44Y	124.0	0.00	1.97	0.37	0	3	0	100	0.00	0.0	3.841	0.000	3	0	1	1
517018	PL.12748	B	Consumer	7.44Y	124.0	0.00	1.97	0.84	0	6	1	99	0.00	0.0	3.841	0.000	6	1	1	1
516907	PL.12748	B	Consumer	7.44Y	124.0	0.00	1.97	0.33	0	2	0	100	0.00	0.0	3.841	0.000	2	0	1	1
517005	PL.12748	B	Consumer	7.44Y	124.0	0.00	1.97	0.36	0	3	0	100	0.00	0.0	3.841	0.000	3	0	1	1
517012	PL.12748	B	Consumer	7.44Y	124.0	0.00	1.97	0.35	0	2	1	89	0.00	0.0	3.841	0.000	2	1	1	1
5170019	PL.12748	B	Consumer	7.44Y	124.0	0.00	1.97	0.52	0	4	1	97	0.00	0.0	3.841	0.000	0	0	0	1
5170020	5170019	B	Consumer	7.44Y	124.0	0.00	1.97	0.00	0	0	0	100	0.00	0.0	3.841	0.000	0	0	0	0
5170021	5170020	B	Consumer	7.44Y	124.0	0.00	1.97	0.00	0	0	0	100	0.00	0.0	3.841	0.000	0	0	0	0
516910	5170019	B	Consumer	7.44Y	124.0	0.00	1.97	0.52	0	4	1	97	0.00	0.0	3.841	0.000	4	1	1	1
517006	PL.12748	B	Consumer	7.44Y	124.0	0.00	1.97	1.80	0	13	2	99	0.00	0.0	3.841	0.000	13	2	1	1
PL.3372	PL.12748	A	4ACSR	7.55Y	125.9	0.00	0.12	0.59	0	4	1	97	0.00	0.0	3.882	0.041	0	0	0	3
PL.3373	PL.3372	A	4ACSR	7.55Y	125.9	0.00	0.12	0.59	0	4	1	97	0.00	0.0	3.928	0.045	0	0	0	2
517014	PL.3373	A	Consumer	7.55Y	125.9	0.00	0.12	0.48	0	4	1	97	0.00	0.0	3.928	0.000	4	1	1	1
517011	PL.3373	A	Consumer	7.55Y	125.9	0.00	0.12	0.11	0	1	0	100	0.00	0.0	3.928	0.000	1	0	1	1
517016	PL.3372	A	Consumer	7.55Y	125.9	0.00	0.12	0.00	0	0	0	100	0.00	0.0	3.882	0.000	0	0	1	1
517015	PL.12742	B	Consumer	7.44Y	124.0	0.00	1.96	0.00	0	0	0	100	0.00	0.0	3.799	0.000	0	0	0	0
516010	PL.12742	B	Consumer	7.44Y	124.0	0.00	1.96	0.08	0	1	0	100	0.00	0.0	3.799	0.000	1	0	1	1
516006	PL.12742	B	Consumer	7.44Y	124.0	0.00	1.96	1.36	0	10	2	98	0.00	0.0	3.799	0.000	10	2	1	1
516904	PL.12742	B	Consumer	7.44Y	124.0	0.00	1.96	1.19	0	9	1	99	0.00	0.0	3.799	0.000	9	1	1	1
517009	PL.12742	B	Consumer	7.44Y	124.0	0.00	1.96	0.36	0	3	0	100	0.00	0.0	3.799	0.000	3	0	1	1
516007	PL.12742	B	Consumer	7.44Y	124.0	0.00	1.96	0.61	0	4	1	97	0.00	0.0	3.799	0.000	4	1	1	1
515909	PL.12742	B	Consumer	7.44Y	124.0	0.00	1.96	0.28	0	2	0	100	0.00	0.0	3.799	0.000	2	0	1	1
517008	PL.12742	B	Consumer	7.44Y	124.0	0.00	1.96	0.07	0	1	0	100	0.00	0.0	3.799	0.000	1	0	1	1
516015	PL.12742	B	Consumer	7.44Y	124.0	0.00	1.96	0.01	0	0	0	100	0.00	0.0	3.799	0.000	0	0	1	1
515908	PL.26687	A	Consumer	7.55Y	125.9	0.00	0.11	0.00	0	0	0	100	0.00	0.0	3.766	0.000	0	0	0	0
516911	PL.26687	B	Consumer	7.44Y	124.0	0.00	1.96	0.64	0	5	1	98	0.00	0.0	3.766	0.000	5	1	1	1
515910	PL.26687	B	Consumer	7.44Y	124.0	0.00	1.96	0.69	0	5	1	98	0.00	0.0	3.766	0.000	5	1	1	1
515919	PL.33227	A	Consumer	7.55Y	125.9	0.00	0.11	0.00	0	0	0	100	0.00	0.0	3.727	0.000	0	0	0	0
515914	PL.33227	C	Consumer	7.41Y	123.5	0.00	2.49	0.62	0	4	2	89	0.00	0.0	3.727	0.000	4	2	1	1
PL.26684	PL.33227	A	1/0ACSR	7.55Y	125.9	0.00	0.11	0.00	0	0	0	100	0.00	0.0	3.760	0.034	0	0	0	0
		B		7.44Y	124.0	0.00	1.95	0.00	0	0	0	100					0	0	0	0
		C		7.41Y	123.5	0.00	2.49	0.00	0	0	0	100					0	0	0	0
SW30-A	PL.26684	A	Open	7.55Y	125.9	0.00	0.11	0.00	0	0	0	100	0.00	0.0	3.760	0.000	0	0	0	0
		B		7.44Y	124.0	0.00	1.95	0.00	0	0	0	100					0	0	0	0
		C		7.41Y	123.5	0.00	2.49	0.00	0	0	0	100					0	0	0	0
PL.38659	PL.33227	A	4ACSR	7.55Y	125.9	0.00	0.11	14.11	7	105	17	99	0.00	0.0	3.730	0.003	0	0	0	25
C PD.7053	PL.38659	A	fuse6AMP	7.55Y	125.9	0.00	0.11	14.11	241	105	17	99	0.00	0.0	3.730	0.000	0	0	0	25 C
PL.38660	PD.7053	A	4ACSR	7.55Y	125.9	0.01	0.13	14.11	7	105	17	99	0.01	0.0	3.750	0.020	0	0	0	25
PL.26688	PL.38660	A	4ACSR	7.55Y	125.9	0.00	0.13	6.82	4	51	8	99	0.00	0.0	3.756	0.005	0	0	0	13

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Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
C PD.2819	PL.26688	A	fuse6AMP	7.55Y	125.9	0.00	0.13	6.82	116	51	8	99	0.00	0.0	3.756	0.000	0	0	0	13 C
PL.26689	PD.2819	A	4ACSR	7.55Y	125.9	0.00	0.13	6.82	4	51	8	99	0.00	0.0	3.763	0.007	0	0	0	13
515912	PL.26689	A	Consumer	7.55Y	125.9	0.00	0.13	0.00	0	0	0	100	0.00	0.0	3.763	0.000	0	0	0	0
515917	PL.26689	A	Consumer	7.55Y	125.9	0.00	0.13	0.37	0	3	0	100	0.00	0.0	3.763	0.000	3	0	1	1
515920	PL.26689	A	Consumer	7.55Y	125.9	0.00	0.13	0.38	0	3	0	100	0.00	0.0	3.763	0.000	3	0	1	1
PL.12744	PL.26689	A	4ACSR	7.55Y	125.9	0.01	0.14	6.06	3	45	7	99	0.00	0.0	3.788	0.026	0	0	0	11
515925	PL.12744	A	Consumer	7.55Y	125.9	0.00	0.14	0.74	0	6	1	99	0.00	0.0	3.788	0.000	6	1	1	1
515924	PL.12744	A	Consumer	7.55Y	125.9	0.00	0.14	0.60	0	4	1	97	0.00	0.0	3.788	0.000	4	1	1	1
515921	PL.12744	A	Consumer	7.55Y	125.9	0.00	0.14	0.38	0	3	0	100	0.00	0.0	3.788	0.000	3	0	1	1
515918	PL.12744	A	Consumer	7.55Y	125.9	0.00	0.14	0.26	0	2	0	100	0.00	0.0	3.788	0.000	2	0	1	1
515922	PL.12744	A	Consumer	7.55Y	125.9	0.00	0.14	0.21	0	2	0	100	0.00	0.0	3.788	0.000	2	0	1	1
PL.12745	PL.12744	A	4ACSR	7.55Y	125.9	0.00	0.14	3.87	2	29	5	99	0.00	0.0	3.811	0.023	0	0	0	6
PL.25011	PL.12745	A	4ACSR	7.55Y	125.9	0.00	0.14	1.67	1	12	2	99	0.00	0.0	3.849	0.037	0	0	0	3
515804	PL.25011	A	Consumer	7.55Y	125.9	0.00	0.14	0.58	0	4	1	97	0.00	0.0	3.849	0.000	4	1	1	1
514815	PL.25011	A	Consumer	7.55Y	125.9	0.00	0.14	0.00	0	0	0	100	0.00	0.0	3.849	0.000	0	0	0	0
514929	PL.25011	A	Consumer	7.55Y	125.9	0.00	0.14	0.53	0	4	1	97	0.00	0.0	3.849	0.000	4	1	1	1
514930	PL.25011	A	Consumer	7.55Y	125.9	0.00	0.14	0.56	0	4	1	97	0.00	0.0	3.849	0.000	4	1	1	1
514928	PL.12745	A	Consumer	7.55Y	125.9	0.00	0.14	0.72	0	5	1	98	0.00	0.0	3.811	0.000	5	1	1	1
515923	PL.12745	A	Consumer	7.55Y	125.9	0.00	0.14	0.53	0	4	1	97	0.00	0.0	3.811	0.000	4	1	1	1
514927	PL.12745	A	Consumer	7.55Y	125.9	0.00	0.14	0.95	0	7	1	99	0.00	0.0	3.811	0.000	7	1	1	1
PL.12746	PL.38660	A	4ACSR	7.55Y	125.9	0.01	0.14	7.29	4	54	9	99	0.00	0.0	3.784	0.034	0	0	0	12
515907	PL.12746	A	Consumer	7.55Y	125.9	0.00	0.14	0.00	0	0	0	100	0.00	0.0	3.784	0.000	0	0	0	0
516018	PL.12746	A	Consumer	7.55Y	125.9	0.00	0.14	0.19	0	1	0	100	0.00	0.0	3.784	0.000	1	0	1	1
515911	PL.12746	A	Consumer	7.55Y	125.9	0.00	0.14	0.00	0	0	0	100	0.00	0.0	3.784	0.000	0	0	0	0
516019	PL.12746	A	Consumer	7.55Y	125.9	0.00	0.14	0.26	0	2	0	100	0.00	0.0	3.784	0.000	2	0	1	1
515913	PL.12746	A	Consumer	7.55Y	125.9	0.00	0.14	0.74	0	6	1	99	0.00	0.0	3.784	0.000	6	1	1	1
515915	PL.12746	A	Consumer	7.55Y	125.9	0.00	0.14	0.17	0	1	0	100	0.00	0.0	3.784	0.000	1	0	1	1
5159026	PL.12746	A	Consumer	7.55Y	125.9	0.00	0.14	1.25	0	9	1	99	0.00	0.0	3.784	0.000	9	1	1	1
515905	PL.12746	A	Consumer	7.55Y	125.9	0.00	0.14	1.34	0	10	2	98	0.00	0.0	3.784	0.000	10	2	1	1
515916	PL.12746	A	Consumer	7.55Y	125.9	0.00	0.14	0.21	0	2	0	100	0.00	0.0	3.784	0.000	2	0	1	1
PL.12747	PL.12746	A	4ACSR	7.55Y	125.9	0.00	0.14	0.80	0	6	1	99	0.00	0.0	3.827	0.043	0	0	0	2
514909	PL.12747	A	Consumer	7.55Y	125.9	0.00	0.14	0.65	0	5	1	98	0.00	0.0	3.827	0.000	5	1	1	1
514908	PL.12747	A	Consumer	7.55Y	125.9	0.00	0.14	0.15	0	1	0	100	0.00	0.0	3.827	0.000	1	0	1	1
PL.2890	PL.12746	A	4ACSR	7.55Y	125.9	0.00	0.14	2.33	1	17	3	98	0.00	0.0	3.817	0.033	0	0	0	3
514922	PL.2890	A	Consumer	7.55Y	125.9	0.00	0.14	1.88	0	14	2	99	0.00	0.0	3.817	0.000	14	2	1	1
516012	PL.2890	A	Consumer	7.55Y	125.9	0.00	0.14	0.27	0	2	0	100	0.00	0.0	3.817	0.000	2	0	1	1
514931	PL.2890	A	Consumer	7.55Y	125.9	0.00	0.14	0.00	0	0	0	100	0.00	0.0	3.817	0.000	0	0	0	0
514914	PL.2890	A	Consumer	7.55Y	125.9	0.00	0.14	0.18	0	1	0	100	0.00	0.0	3.817	0.000	1	0	1	1

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

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
514802	PL.5803	A	Consumer	7.55Y	125.9	0.00	0.09	0.00	0	0	0	100	0.00	0.0	3.619	0.000	0	0	0	0
PL.19032	PL.12750	C	4ACSR	7.41Y	123.5	0.01	2.50	4.76	2	35	6	99	0.00	0.0	3.593	0.034	0	0	0	13
PL.19033	PL.19032	C	4ACSR	7.41Y	123.5	0.00	2.51	2.83	1	21	3	99	0.00	0.0	3.627	0.034	0	0	0	9
PL.3451	PL.19033	C	4ACSR	7.41Y	123.5	0.00	2.51	0.69	0	5	1	98	0.00	0.0	3.661	0.033	0	0	0	4
513702	PL.3451	C	Consumer	7.41Y	123.5	0.00	2.51	0.14	0	1	0	100	0.00	0.0	3.661	0.000	1	0	1	1
513812	PL.3451	C	Consumer	7.41Y	123.5	0.00	2.51	0.20	0	1	0	100	0.00	0.0	3.661	0.000	1	0	1	1
513801	PL.3451	C	Consumer	7.41Y	123.5	0.00	2.51	0.19	0	1	0	100	0.00	0.0	3.661	0.000	1	0	1	1
513815	PL.3451	C	Consumer	7.41Y	123.5	0.00	2.51	0.15	0	1	0	100	0.00	0.0	3.661	0.000	1	0	1	1
514807	PL.19033	C	Consumer	7.41Y	123.5	0.00	2.51	0.64	0	5	1	98	0.00	0.0	3.627	0.000	5	1	1	1
514803	PL.19033	C	Consumer	7.41Y	123.5	0.00	2.51	0.36	0	3	0	100	0.00	0.0	3.627	0.000	3	0	1	1
514804	PL.19033	C	Consumer	7.41Y	123.5	0.00	2.51	0.53	0	4	1	97	0.00	0.0	3.627	0.000	4	1	1	1
5148020	PL.19033	C	Consumer	7.41Y	123.5	0.00	2.51	0.00	0	0	0	100	0.00	0.0	3.627	0.000	0	0	0	0
514805	PL.19033	C	Consumer	7.41Y	123.5	0.00	2.51	0.29	0	2	0	100	0.00	0.0	3.627	0.000	2	0	1	1
513832	PL.19033	C	Consumer	7.41Y	123.5	0.00	2.51	0.32	0	2	0	100	0.00	0.0	3.627	0.000	2	0	1	1
514809	PL.19032	C	Consumer	7.41Y	123.5	0.00	2.50	0.78	0	6	1	99	0.00	0.0	3.593	0.000	6	1	1	1
514812	PL.19032	C	Consumer	7.41Y	123.5	0.00	2.50	0.79	0	6	1	99	0.00	0.0	3.593	0.000	6	1	1	1
514810	PL.19032	C	Consumer	7.41Y	123.5	0.00	2.50	0.11	0	1	0	100	0.00	0.0	3.593	0.000	1	0	1	1
514806	PL.19032	C	Consumer	7.41Y	123.5	0.00	2.50	0.24	0	2	0	100	0.00	0.0	3.593	0.000	2	0	1	1
PL.3438	PL.12750	A	4ACSR	7.56Y	125.9	0.00	0.08	0.37	0	3	0	100	0.00	0.0	3.595	0.036	0	0	0	2
514907	PL.3438	A	Consumer	7.56Y	125.9	0.00	0.08	0.30	0	2	0	100	0.00	0.0	3.595	0.000	2	0	1	1
514903	PL.3438	A	Consumer	7.56Y	125.9	0.00	0.08	0.07	0	1	0	100	0.00	0.0	3.595	0.000	1	0	1	1
PL.5799	PL.12751	C	4ACSR	7.41Y	123.5	0.01	2.50	4.16	2	30	5	99	0.00	0.0	3.550	0.032	0	0	0	7
PL.5800	PL.5799	C	4ACSR	7.41Y	123.5	0.00	2.50	3.33	2	24	4	99	0.00	0.0	3.560	0.010	0	0	0	5
513817	PL.5800	C	Consumer	7.41Y	123.5	0.00	2.50	0.37	0	3	0	100	0.00	0.0	3.560	0.000	3	0	1	1
513819	PL.5800	C	Consumer	7.41Y	123.5	0.00	2.50	0.46	0	3	1	95	0.00	0.0	3.560	0.000	3	1	1	1
513834	PL.5800	C	Consumer	7.41Y	123.5	0.00	2.50	1.22	0	9	1	99	0.00	0.0	3.560	0.000	9	1	1	1
513818	PL.5800	C	Consumer	7.41Y	123.5	0.00	2.50	0.45	0	3	1	95	0.00	0.0	3.560	0.000	3	1	1	1
513820	PL.5800	C	Consumer	7.41Y	123.5	0.00	2.50	0.83	0	6	1	99	0.00	0.0	3.560	0.000	6	1	1	1
513823	PL.5799	C	Consumer	7.41Y	123.5	0.00	2.50	0.26	0	2	0	100	0.00	0.0	3.550	0.000	2	0	1	1
514913	PL.5799	C	Consumer	7.41Y	123.5	0.00	2.50	0.56	0	4	1	97	0.00	0.0	3.550	0.000	4	1	1	1
513919	PL.5799	C	Consumer	7.41Y	123.5	0.00	2.50	0.00	0	0	0	100	0.00	0.0	3.550	0.000	0	0	0	0
PL.3439	PL.20225	C	4ACSR	7.41Y	123.5	0.01	2.50	6.52	3	48	8	99	0.00	0.0	3.510	0.025	0	0	0	10
PL.25018	PL.3439	C	4ACSR	7.41Y	123.5	0.01	2.51	4.50	2	33	5	99	0.00	0.0	3.554	0.043	0	0	0	6
513807	PL.25018	C	Consumer	7.41Y	123.5	0.00	2.51	0.42	0	3	0	100	0.00	0.0	3.554	0.000	3	0	1	1
513816	PL.25018	C	Consumer	7.41Y	123.5	0.00	2.51	0.44	0	3	1	95	0.00	0.0	3.554	0.000	3	1	1	1
513833	PL.25018	C	Consumer	7.41Y	123.5	0.00	2.51	1.09	0	8	1	99	0.00	0.0	3.554	0.000	8	1	1	1
PL.25019	PL.25018	C	4ACSR	7.41Y	123.5	0.00	2.51	2.55	1	19	3	99	0.00	0.0	3.574	0.021	0	0	0	3
513831	PL.25019	C	Consumer	7.41Y	123.5	0.00	2.51	1.52	0	11	2	98	0.00	0.0	3.574	0.000	11	2	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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
513806	PL.25019	C	Consumer	7.41Y	123.5	0.00	2.51	0.00	0	0	0	100	0.00	0.0	3.574	0.000	0	0	0	0
513828	PL.25019	C	Consumer	7.41Y	123.5	0.00	2.51	0.96	0	7	1	99	0.00	0.0	3.574	0.000	7	1	1	1
513826	PL.25019	C	Consumer	7.41Y	123.5	0.00	2.51	0.07	0	1	0	100	0.00	0.0	3.574	0.000	1	0	1	1
513901	PL.3439	C	Consumer	7.41Y	123.5	0.00	2.50	0.00	0	0	0	100	0.00	0.0	3.510	0.000	0	0	0	0
513927	PL.3439	C	Consumer	7.41Y	123.5	0.00	2.50	0.91	0	7	1	99	0.00	0.0	3.510	0.000	7	1	1	1
513924	PL.3439	C	Consumer	7.41Y	123.5	0.00	2.50	0.22	0	2	0	100	0.00	0.0	3.510	0.000	2	0	1	1
513914	PL.3439	C	Consumer	7.41Y	123.5	0.00	2.50	0.29	0	2	0	100	0.00	0.0	3.510	0.000	2	0	1	1
513827	PL.3439	C	Consumer	7.41Y	123.5	0.00	2.50	0.61	0	4	1	97	0.00	0.0	3.510	0.000	4	1	1	1
PL.43529	PL.20057	B	4ACSR	7.44Y	124.1	0.01	1.94	15.41	8	110	32	96	0.00	0.0	3.428	0.008	0	0	0	28
PD.3715	PL.43529	B	25V4E	7.44Y	124.1	0.00	1.94	15.41	62	110	32	96	0.00	0.0	3.428	0.000	0	0	0	28
PL.43530	PD.3715	B	4ACSR	7.44Y	124.1	0.01	1.94	15.41	8	110	32	96	0.01	0.0	3.437	0.009	0	0	0	28
PL.5802	PL.43530	B	4ACSR	7.44Y	124.0	0.02	1.96	11.66	6	84	23	96	0.01	0.0	3.470	0.033	0	0	0	18
PL.3442	PL.5802	B	4ACSR	7.44Y	124.0	0.03	1.99	11.66	6	84	23	96	0.02	0.0	3.524	0.054	0	0	0	18
515019	PL.3442	B	Consumer	7.44Y	124.0	0.00	1.99	1.22	0	9	1	99	0.00	0.0	3.524	0.000	9	1	1	1
PL.19991	PL.3442	B	4ACSR	7.44Y	124.0	0.01	2.00	3.78	2	28	6	98	0.00	0.0	3.609	0.085	0	0	0	10
PL.19862	PL.19991	B	4ACSR	7.44Y	124.0	0.00	2.00	2.50	1	18	3	99	0.00	0.0	3.616	0.007	0	0	0	7
515016	PL.19862	B	Consumer	7.44Y	124.0	0.00	2.00	0.00	0	0	0	100	0.00	0.0	3.616	0.000	0	0	0	0
515018	PL.19862	B	Consumer	7.44Y	124.0	0.00	2.00	0.00	0	0	0	100	0.00	0.0	3.616	0.000	0	0	1	1
PL.25013	PL.19862	B	4ACSR	7.44Y	124.0	0.00	2.01	2.50	1	18	3	99	0.00	0.0	3.639	0.024	0	0	0	6
PL.25014	PL.25013	B	4ACSR	7.44Y	124.0	0.00	2.01	1.18	1	9	1	99	0.00	0.0	3.673	0.033	0	0	0	2
516003	PL.25014	B	Consumer	7.44Y	124.0	0.00	2.01	0.11	0	1	0	100	0.00	0.0	3.673	0.000	1	0	1	1
516016	PL.25014	B	Consumer	7.44Y	124.0	0.00	2.01	1.06	0	8	1	99	0.00	0.0	3.673	0.000	8	1	1	1
516002	PL.25013	B	Consumer	7.44Y	124.0	0.00	2.01	0.19	0	1	0	100	0.00	0.0	3.639	0.000	1	0	1	1
516013	PL.25013	B	Consumer	7.44Y	124.0	0.00	2.01	0.37	0	3	0	100	0.00	0.0	3.639	0.000	3	0	1	1
516008	PL.25013	B	Consumer	7.44Y	124.0	0.00	2.01	0.46	0	3	1	95	0.00	0.0	3.639	0.000	3	1	1	1
516001	PL.25013	B	Consumer	7.44Y	124.0	0.00	2.01	0.30	0	2	0	100	0.00	0.0	3.639	0.000	2	0	1	1
515020	PL.19991	B	Consumer	7.44Y	124.0	0.00	2.00	0.52	0	3	2	83	0.00	0.0	3.609	0.000	3	2	1	1
516005	PL.19991	B	Consumer	7.44Y	124.0	0.00	2.00	0.43	0	3	1	95	0.00	0.0	3.609	0.000	3	1	1	1
515006	PL.19991	B	Consumer	7.44Y	124.0	0.00	2.00	0.00	0	0	0	100	0.00	0.0	3.609	0.000	0	0	0	0
516017	PL.19991	B	Consumer	7.44Y	124.0	0.00	2.00	0.36	0	3	0	100	0.00	0.0	3.609	0.000	3	0	1	1
PL.38658	PL.3442	B	4ACSR	7.44Y	124.0	0.00	1.99	6.68	3	47	16	95	0.00	0.0	3.532	0.008	0	0	0	7
C PD.7052	PL.38658	B	fuse6AMP	7.44Y	124.0	0.00	1.99	6.68	114	47	16	95	0.00	0.0	3.532	0.000	0	0	0	7 C
PL.38657	PD.7052	B	4ACSR	7.44Y	124.0	0.01	2.00	6.68	3	47	16	95	0.00	0.0	3.564	0.033	0	0	0	7
PL.3437	PL.38657	B	4ACSR	7.44Y	124.0	0.00	2.00	3.36	2	25	5	98	0.00	0.0	3.584	0.019	0	0	0	6
514917	PL.3437	B	Consumer	7.44Y	124.0	0.00	2.00	1.22	0	9	1	99	0.00	0.0	3.584	0.000	9	1	1	1
514911	PL.3437	B	Consumer	7.44Y	124.0	0.00	2.00	0.11	0	1	0	100	0.00	0.0	3.584	0.000	1	0	1	1
514906	PL.3437	B	Consumer	7.44Y	124.0	0.00	2.00	0.29	0	2	0	100	0.00	0.0	3.584	0.000	2	0	1	1
513904	PL.3437	B	Consumer	7.44Y	124.0	0.00	2.00	0.30	0	2	1	89	0.00	0.0	3.584	0.000	2	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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.3441	PL.3437	B	4ACSR	7.44Y	124.0	0.00	2.01	1.45	1	11	2	98	0.00	0.0	3.619	0.035	0	0	0	2
514920	PL.3441	B	Consumer	7.44Y	124.0	0.00	2.01	1.25	0	9	1	99	0.00	0.0	3.619	0.000	9	1	1	1
515010	PL.3441	B	Consumer	7.44Y	124.0	0.00	2.01	0.20	0	1	0	100	0.00	0.0	3.619	0.000	1	0	1	1
514002	PL.38657	B	Consumer	7.44Y	124.0	0.00	2.00	3.38	0	23	11	90	0.00	0.0	3.564	0.000	23	11	1	1
513929	PL.43530	B	Consumer	7.44Y	124.1	0.00	1.94	0.00	0	0	0	100	0.00	0.0	3.437	0.000	0	0	0	0
513925	PL.43530	B	Consumer	7.44Y	124.1	0.00	1.94	0.26	0	2	1	89	0.00	0.0	3.437	0.000	2	1	1	1
513931	PL.43530	B	Consumer	7.44Y	124.1	0.00	1.94	0.08	0	1	0	100	0.00	0.0	3.437	0.000	1	0	1	1
513910	PL.43530	B	Consumer	7.44Y	124.1	0.00	1.94	0.24	0	2	0	100	0.00	0.0	3.437	0.000	2	0	1	1
513912	PL.43530	B	Consumer	7.44Y	124.1	0.00	1.94	0.91	0	7	1	99	0.00	0.0	3.437	0.000	7	1	1	1
513932	PL.43530	B	Consumer	7.44Y	124.1	0.00	1.94	0.30	0	2	1	89	0.00	0.0	3.437	0.000	2	1	1	1
513928	PL.43530	B	Consumer	7.44Y	124.1	0.00	1.94	0.40	0	3	1	95	0.00	0.0	3.437	0.000	3	1	1	1
513915	PL.43530	B	Consumer	7.44Y	124.1	0.00	1.94	0.17	0	1	0	100	0.00	0.0	3.437	0.000	1	0	1	1
513926	PL.43530	B	Consumer	7.44Y	124.1	0.00	1.94	0.00	0	0	0	100	0.00	0.0	3.437	0.000	0	0	0	0
513909	PL.43530	B	Consumer	7.44Y	124.1	0.00	1.94	0.17	0	1	0	100	0.00	0.0	3.437	0.000	1	0	1	1
513930	PL.43530	B	Consumer	7.44Y	124.1	0.00	1.94	0.00	0	0	0	100	0.00	0.0	3.437	0.000	0	0	1	1
513933	PL.43530	B	Consumer	7.44Y	124.1	0.00	1.94	1.28	0	9	4	91	0.00	0.0	3.437	0.000	9	4	1	1
512921	PL.19444	B	Consumer	7.45Y	124.1	0.00	1.91	0.03	0	0	0	100	0.00	0.0	3.343	0.000	0	0	1	1
512922	PL.19444	B	Consumer	7.45Y	124.1	0.00	1.91	0.00	0	0	0	100	0.00	0.0	3.343	0.000	0	0	0	0
512820	PL.19766	A	Consumer	7.56Y	126.0	0.00	0.04	0.44	0	3	1	95	0.00	0.0	3.284	0.000	3	1	1	1
		C		7.41Y	123.5	0.00	2.49	0.45	0	3	1	99					3	1	1	1
512819	PL.19766	A	Consumer	7.56Y	126.0	0.00	0.04	1.16	0	9	1	99	0.00	0.0	3.284	0.000	9	1	1	1
512813	PL.19766	A	Consumer	7.56Y	126.0	0.00	0.04	0.47	0	3	1	95	0.00	0.0	3.284	0.000	3	1	1	1
512818	PL.19766	A	Consumer	7.56Y	126.0	0.00	0.04	0.95	0	7	1	99	0.00	0.0	3.284	0.000	7	1	1	1
512810	PL.19766	A	Consumer	7.56Y	126.0	0.00	0.04	0.60	0	4	1	97	0.00	0.0	3.284	0.000	4	1	1	1
512812	PL.19766	A	Consumer	7.56Y	126.0	0.00	0.04	0.57	0	4	2	89	0.00	0.0	3.284	0.000	4	2	1	1
512903	PL.19766	A	Consumer	7.56Y	126.0	0.00	0.04	0.57	0	4	1	97	0.00	0.0	3.284	0.000	4	1	1	1
PL.12754	PL.19766	C	4ACSR	7.41Y	123.5	0.01	2.50	4.05	2	30	5	99	0.00	0.0	3.338	0.054	0	0	0	8
PL.12752	PL.12754	C	4ACSR	7.41Y	123.5	0.01	2.51	3.59	2	26	4	99	0.00	0.0	3.409	0.071	0	0	0	7
513830	PL.12752	C	Consumer	7.41Y	123.5	0.00	2.51	0.00	0	0	0	100	0.00	0.0	3.409	0.000	0	0	0	0
513813	PL.12752	C	Consumer	7.41Y	123.5	0.00	2.51	0.09	0	1	0	100	0.00	0.0	3.409	0.000	1	0	1	1
513802	PL.12752	C	Consumer	7.41Y	123.5	0.00	2.51	0.00	0	0	0	100	0.00	0.0	3.409	0.000	0	0	0	0
513805	PL.12752	C	Consumer	7.41Y	123.5	0.00	2.51	0.66	0	5	1	98	0.00	0.0	3.409	0.000	5	1	1	1
513836	PL.12752	C	Consumer	7.41Y	123.5	0.00	2.51	0.00	0	0	0	100	0.00	0.0	3.409	0.000	0	0	0	0
513825	PL.12752	C	Consumer	7.41Y	123.5	0.00	2.51	0.13	0	1	0	100	0.00	0.0	3.409	0.000	1	0	1	1
513704	PL.12752	C	Consumer	7.41Y	123.5	0.00	2.51	0.30	0	2	0	100	0.00	0.0	3.409	0.000	2	0	1	1
PL.3450	PL.12752	C	4ACSR	7.41Y	123.5	0.00	2.51	2.41	1	18	3	99	0.00	0.0	3.423	0.014	0	0	0	3
PL.7205	PL.3450	C	4ACSR	7.41Y	123.5	0.00	2.51	1.76	1	13	2	99	0.00	0.0	3.444	0.021	0	0	0	2
513705	PL.7205	C	Consumer	7.41Y	123.5	0.00	2.51	1.34	0	10	2	98	0.00	0.0	3.444	0.000	10	2	1	1
PL.7206	PL.7205	C	4ACSR	7.41Y	123.5	0.00	2.51	0.42	0	3	0	100	0.00	0.0	3.471	0.027	0	0	0	1

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
513703	PL.7206	C	Consumer	7.41Y	123.5	0.00	2.51	0.42	0	3	0	100	0.00	0.0	3.471	0.000	3	0	1	1
513701	PL.3450	C	Consumer	7.41Y	123.5	0.00	2.51	0.65	0	5	1	98	0.00	0.0	3.423	0.000	5	1	1	1
513829	PL.12754	C	Consumer	7.41Y	123.5	0.00	2.50	0.00	0	0	0	100	0.00	0.0	3.338	0.000	0	0	0	0
512821	PL.12754	C	Consumer	7.41Y	123.5	0.00	2.50	0.46	0	3	1	95	0.00	0.0	3.338	0.000	3	1	1	1
512815	PL.195	A	Consumer	7.56Y	126.0	0.00	0.03	0.05	0	0	0	100	0.00	0.0	3.183	0.000	0	0	1	1
		C		7.41Y	123.5	0.00	2.49	0.05	0	0	0	90					0	0	1	1
511819	PL.195	A	Consumer	7.56Y	126.0	0.00	0.03	0.42	0	3	1	95	0.00	0.0	3.183	0.000	3	1	1	1
511805	PL.195	A	Consumer	7.56Y	126.0	0.00	0.03	0.27	0	2	0	100	0.00	0.0	3.183	0.000	2	0	1	1
PL.3444	PL.195	A	336ACSR	7.56Y	126.0	-0.00	0.03	0.16	0	1	1	71	0.00	0.0	3.232	0.049	0	0	0	1
		B		7.45Y	124.1	0.00	1.86	0.16	0	1	1	90					0	0	0	1
		C		7.41Y	123.5	0.00	2.49	4.88	1	36	6	99					0	0	0	11
512705	PL.3444	A	Consumer	7.56Y	126.0	0.00	0.03	0.00	0	0	0	100	0.00	0.0	3.232	0.000	0	0	0	0
511713	PL.3444	C	Consumer	7.41Y	123.5	0.00	2.49	0.52	0	4	1	97	0.00	0.0	3.232	0.000	4	1	1	1
5127010	PL.3444	A	Consumer	7.56Y	126.0	0.00	0.03	0.16	0	1	1	71	0.00	0.0	3.232	0.000	1	0	1	1
		B		7.45Y	124.1	0.00	1.86	0.16	0	1	1	90					1	0	1	1
5127011	5127010	A	Consumer	7.56Y	126.0	0.00	0.03	0.01	0	0	0	100	0.00	0.0	3.232	0.000	0	0	1	1
		B		7.45Y	124.1	0.00	1.86	0.01	0	0	0	90					0	0	1	1
512702	PL.3444	C	Consumer	7.41Y	123.5	0.00	2.49	0.32	0	2	0	100	0.00	0.0	3.232	0.000	2	0	1	1
512709	PL.3444	C	Consumer	7.41Y	123.5	0.00	2.49	1.09	0	8	1	99	0.00	0.0	3.232	0.000	8	1	1	1
512708	PL.3444	C	Consumer	7.41Y	123.5	0.00	2.49	0.02	0	0	0	100	0.00	0.0	3.232	0.000	0	0	1	1
512704	PL.3444	C	Consumer	7.41Y	123.5	0.00	2.49	0.26	0	2	0	100	0.00	0.0	3.232	0.000	2	0	1	1
512706	PL.3444	C	Consumer	7.41Y	123.5	0.00	2.49	0.40	0	3	0	100	0.00	0.0	3.232	0.000	3	0	1	1
512701	PL.3444	C	Consumer	7.41Y	123.5	0.00	2.49	0.32	0	2	0	100	0.00	0.0	3.232	0.000	2	0	1	1
PL.33248	PL.3444	C	4ACSR	7.41Y	123.5	0.00	2.49	1.95	1	14	2	99	0.00	0.0	3.266	0.034	0	0	0	4
512806	PL.33248	C	Consumer	7.41Y	123.5	0.00	2.49	1.35	0	10	2	98	0.00	0.0	3.266	0.000	10	2	1	1
512707	PL.33248	C	Consumer	7.41Y	123.5	0.00	2.49	0.37	0	3	0	100	0.00	0.0	3.266	0.000	3	0	1	1
512807	PL.33248	C	Consumer	7.41Y	123.5	0.00	2.49	0.18	0	1	0	100	0.00	0.0	3.266	0.000	1	0	1	1
512817	PL.33248	C	Consumer	7.41Y	123.5	0.00	2.49	0.05	0	0	0	100	0.00	0.0	3.266	0.000	0	0	1	1
PL.15800	PL.20087	A	4ACSR	7.56Y	126.0	0.00	0.02	3.02	2	22	5	98	0.00	0.0	3.125	0.006	0	0	0	8
PD.2419	PL.15800	A	fuse6AMP	7.56Y	126.0	0.00	0.02	3.02	52	22	5	98	0.00	0.0	3.125	0.000	0	0	0	8
PL.15801	PD.2419	A	4ACSR	7.56Y	126.0	0.00	0.02	3.02	2	22	5	98	0.00	0.0	3.153	0.028	0	0	0	8
PL.12757	PL.15801	A	4ACSR	7.56Y	126.0	0.00	0.03	1.69	1	13	2	99	0.00	0.0	3.192	0.039	0	0	0	5
510723	PL.12757	A	Consumer	7.56Y	126.0	0.00	0.03	0.18	0	1	0	100	0.00	0.0	3.192	0.000	1	0	1	1
510713	PL.12757	A	Consumer	7.56Y	126.0	0.00	0.03	0.35	0	3	0	100	0.00	0.0	3.192	0.000	3	0	1	1
510712	PL.12757	A	Consumer	7.56Y	126.0	0.00	0.03	0.35	0	3	0	100	0.00	0.0	3.192	0.000	3	0	1	1
510722	PL.12757	A	Consumer	7.56Y	126.0	0.00	0.03	0.35	0	3	0	100	0.00	0.0	3.192	0.000	3	0	1	1
510714	PL.12757	A	Consumer	7.56Y	126.0	0.00	0.03	0.46	0	3	1	95	0.00	0.0	3.192	0.000	3	1	1	1
510801	PL.15801	A	Consumer	7.56Y	126.0	0.00	0.02	0.18	0	1	0	100	0.00	0.0	3.153	0.000	1	0	1	1
511821	PL.15801	A	Consumer	7.56Y	126.0	0.00	0.02	0.00	0	0	0	100	0.00	0.0	3.153	0.000	0	0	0	0
511822	PL.15801	A	Consumer	7.56Y	126.0	0.00	0.02	0.80	0	5	3	86	0.00	0.0	3.153	0.000	5	3	1	1
511817	PL.15801	A	Consumer	7.56Y	126.0	0.00	0.02	0.37	0	3	0	100	0.00	0.0	3.153	0.000	3	0	1	1

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
511801	PL.15801	A	Consumer	7.56Y	126.0	0.00	0.02	0.00	0	0	0	100	0.00	0.0	3.153	0.000	0	0	0	0
511820	PL.20087	B	Consumer	7.45Y	124.2	0.00	1.83	0.89	0	7	1	99	0.00	0.0	3.119	0.000	7	1	1	1
511823	PL.20087	B	Consumer	7.45Y	124.2	0.00	1.83	0.16	0	1	0	100	0.00	0.0	3.119	0.000	1	0	1	1
511807	PL.20087	C	Consumer	7.41Y	123.5	0.00	2.48	0.69	0	5	1	98	0.00	0.0	3.119	0.000	5	1	1	1
511804	PL.20087	B	Consumer	7.45Y	124.2	0.00	1.83	0.23	0	2	0	100	0.00	0.0	3.119	0.000	2	0	1	1
PL.194	PL.24821	A	336ACSR	7.56Y	126.0	-0.01	-0.05	12.32	2	87	-32	-94	0.08	0.0	2.766	0.026	0	0	0	13
		B		7.45Y	124.2	0.01	1.76	19.38	3	142	-27	-98					0	0	0	33
		C		7.41Y	123.5	0.02	2.50	92.74	13	684	69	99					0	0	0	116
509001	PL.194	B	Consumer	7.45Y	124.2	0.00	1.76	0.96	0	7	1	99	0.00	0.0	2.766	0.000	7	1	1	1
509003	PL.194	B	Consumer	7.45Y	124.2	0.00	1.76	0.20	0	1	1	71	0.00	0.0	2.766	0.000	1	1	1	1
PL.375	PL.194	A	336ACSR	7.56Y	126.1	-0.03	-0.08	12.32	2	87	-32	-94	0.19	0.0	2.826	0.060	0	0	0	13
		B		7.45Y	124.2	0.02	1.78	18.33	3	134	-29	-98					0	0	0	31
		C		7.41Y	123.5	0.04	2.54	92.74	13	684	69	99					0	0	0	116
PL.7904	PL.375	A	397ACSR	7.57Y	126.1	-0.01	-0.09	3.65	0	27	4	99	0.01	0.0	2.898	0.072	0	0	0	6
		B		7.45Y	124.2	0.00	1.79	1.16	0	8	2	98					0	0	0	6
		C		7.41Y	123.4	0.01	2.55	21.55	3	158	25	99					0	0	0	24
071601	PL.7904	A	Consumer	7.57Y	126.1	0.00	-0.09	0.78	0	6	1	99	0.00	0.0	2.898	0.000	6	1	1	1
PL.28984	PL.7904	A	397ACSR	7.57Y	126.1	-0.00	-0.09	2.88	0	21	3	99	0.01	0.0	2.931	0.034	0	0	0	5
		B		7.45Y	124.2	0.00	1.79	1.16	0	8	2	98					0	0	0	6
		C		7.41Y	123.4	0.01	2.56	21.55	3	158	25	99					0	0	0	24
PL.28985	PL.28984	A	397ACSR	7.57Y	126.1	-0.00	-0.09	1.66	0	12	2	99	0.00	0.0	2.940	0.009	0	0	0	4
		B		7.45Y	124.2	0.00	1.79	1.16	0	8	2	98					0	0	0	6
		C		7.41Y	123.4	0.00	2.56	21.55	3	158	25	99					0	0	0	24
PL.15846	PL.28985	A	397ACSR	7.57Y	126.1	-0.00	-0.10	1.66	0	12	2	99	0.00	0.0	2.946	0.006	0	0	0	4
		B		7.45Y	124.2	0.00	1.79	1.16	0	8	2	98					0	0	0	6
		C		7.41Y	123.4	0.00	2.56	21.55	3	158	25	99					0	0	0	24
PD.3622	PL.15846	A	70V4E	7.57Y	126.1	0.00	-0.10	1.66	2	12	2	99	0.00	0.0	2.946	0.000	0	0	0	4
		B		7.45Y	124.2	0.00	1.79	1.16	2	8	2	98					0	0	0	6
		C		7.41Y	123.4	0.00	2.56	21.55	31	158	25	99					0	0	0	24
PL.15847	PD.3622	A	397ACSR	7.57Y	126.1	-0.01	-0.10	1.66	0	12	2	99	0.01	0.0	2.985	0.039	0	0	0	4
		B		7.45Y	124.2	0.00	1.79	1.16	0	8	2	98					0	0	0	6
		C		7.41Y	123.4	0.01	2.57	21.55	3	158	25	99					0	0	0	24
071652	PL.15847	A	Consumer	7.57Y	126.1	0.00	-0.10	0.49	0	4	1	97	0.00	0.0	2.985	0.000	4	1	1	1
071622	PL.15847	A	Consumer	7.57Y	126.1	0.00	-0.10	0.74	0	6	1	99	0.00	0.0	2.985	0.000	6	1	1	1
PL.13849	PL.15847	A	397ACSR	7.57Y	126.1	-0.01	-0.11	0.43	0	3	1	95	0.01	0.0	3.061	0.076	0	0	0	2
		B		7.45Y	124.2	0.01	1.80	1.16	0	8	2	98					0	0	0	6
		C		7.40Y	123.4	0.01	2.58	21.55	3	158	25	99					0	0	0	24
PL.13850	PL.13849	A	397ACSR	7.57Y	126.1	-0.03	-0.14	0.43	0	3	1	95	0.03	0.0	3.262	0.202	0	0	0	2
		B		7.45Y	124.2	0.02	1.82	1.16	0	8	2	98					0	0	0	6
		C		7.40Y	123.4	0.03	2.62	20.59	3	151	24	99					0	0	0	23
PL.15850	PL.13850	B	4ACSR	7.45Y	124.2	0.00	1.82	0.22	0	1	1	71	0.00	0.0	3.268	0.005	0	0	0	1
PD.3204	PL.15850	B	fuse6AMP	7.45Y	124.2	0.00	1.82	0.22	4	1	1	71	0.00	0.0	3.268	0.000	0	0	0	1
PL.15851	PD.3204	B	4ACSR	7.45Y	124.2	0.00	1.82	0.22	0	1	1	71	0.00	0.0	3.339	0.072	0	0	0	1
071603	PL.15851	B	Consumer	7.45Y	124.2	0.00	1.82	0.00	0	0	0	100	0.00	0.0	3.339	0.000	0	0	0	0
071625	PL.15851	B	Consumer	7.45Y	124.2	0.00	1.82	0.22	0	1	1	71	0.00	0.0	3.339	0.000	1	1	1	1
PL.13851	PL.13850	A	397ACSR	7.57Y	126.2	-0.03	-0.17	0.43	0	3	1	95	0.04	0.0	3.511	0.249	0	0	0	2
		B		7.45Y	124.2	0.02	1.84	0.95	0	7	1	99					0	0	0	5
		C		7.40Y	123.3	0.04	2.66	20.59	3	151	23	99					0	0	0	23

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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.7614	PL.13851	A	397ACSR	7.57Y	126.2	-0.01	-0.18	0.43	0	3	1	95	0.01	0.0	3.550	0.039	0	0	0	2
		B		7.45Y	124.2	0.00	1.84	0.95	0	7	1	99					0	0	0	5
		C		7.40Y	123.3	0.01	2.67	20.59	3	151	23	99					0	0	0	23
PL.7897	PL.7614	A	397ACSR	7.57Y	126.2	-0.06	-0.24	0.43	0	3	1	95	0.06	0.0	3.955	0.405	0	0	0	2
		B		7.45Y	124.1	0.03	1.87	0.44	0	3	1	99					0	0	0	2
		C		7.40Y	123.3	0.07	2.74	20.59	3	151	23	99					0	0	0	23
PL.13852	PL.7897	C	1/0EPRJCN	7.40Y	123.3	0.00	2.74	5.47	3	40	5	99	0.00	0.0	3.967	0.011	0	0	0	7
PL.13853	PL.13852	C	1/0EPRJCN	7.40Y	123.3	0.01	2.75	5.47	3	40	5	99	0.00	0.0	4.038	0.071	0	0	0	7
PL.13854	PL.13853	C	1/0EPRJCN	7.40Y	123.3	0.00	2.75	4.96	3	36	5	99	0.00	0.0	4.067	0.029	0	0	0	6
PL.20165	PL.13854	C	1/0EPRJCN	7.39Y	123.2	0.00	2.75	3.67	2	27	4	99	0.00	0.0	4.131	0.064	0	0	0	4
072687	PL.20165	C	Consumer	7.39Y	123.2	0.00	2.75	1.10	0	8	1	99	0.00	0.0	4.131	0.000	8	1	1	1
PL.20166	PL.20165	C	1/0EPRJCN	7.39Y	123.2	0.00	2.76	2.58	1	19	3	99	0.00	0.0	4.197	0.066	0	0	0	3
072682	PL.20166	C	Consumer	7.39Y	123.2	0.00	2.76	0.85	0	6	1	99	0.00	0.0	4.197	0.000	6	1	1	1
072694	PL.20166	C	Consumer	7.39Y	123.2	0.00	2.76	0.61	0	4	1	97	0.00	0.0	4.197	0.000	4	1	1	1
072688	PL.20166	C	Consumer	7.39Y	123.2	0.00	2.76	1.13	0	8	1	99	0.00	0.0	4.197	0.000	8	1	1	1
072691	PL.13854	C	Consumer	7.40Y	123.3	0.00	2.75	0.56	0	4	1	97	0.00	0.0	4.067	0.000	4	1	1	1
072686	PL.13854	C	Consumer	7.40Y	123.3	0.00	2.75	0.73	0	5	1	98	0.00	0.0	4.067	0.000	5	1	1	1
0726098	PL.13853	C	Consumer	7.40Y	123.3	0.00	2.75	0.51	0	4	1	97	0.00	0.0	4.038	0.000	4	1	1	1
0726104	PL.13853	C	Consumer	7.40Y	123.3	0.00	2.75	0.00	0	0	0	100	0.00	0.0	4.038	0.000	0	0	0	0
PL.13855	PL.7897	A	397ACSR	7.57Y	126.2	-0.00	-0.24	0.43	0	3	1	95	0.00	0.0	3.995	0.040	0	0	0	2
		B		7.45Y	124.1	0.00	1.87	0.44	0	3	1	99					0	0	0	2
		C		7.40Y	123.3	0.01	2.74	15.12	2	110	18	99					0	0	0	16
PL.4510	PL.13855	B	4ACSR	7.45Y	124.1	0.00	1.87	0.02	0	0	0	100	0.00	0.0	4.077	0.081	0	0	0	1
072695	PL.4510	B	Consumer	7.45Y	124.1	0.00	1.87	0.02	0	0	0	100	0.00	0.0	4.077	0.000	0	0	1	1
PL.13856	PL.13855	A	397ACSR	7.58Y	126.3	-0.01	-0.25	0.43	0	3	1	95	0.01	0.0	4.135	0.140	0	0	0	2
		B		7.45Y	124.1	0.01	1.88	0.42	0	3	0	99					0	0	0	1
		C		7.39Y	123.2	0.02	2.76	15.12	2	110	18	99					0	0	0	16
PL.13857	PL.13856	A	397ACSR	7.58Y	126.3	-0.01	-0.27	0.43	0	3	1	95	0.01	0.0	4.260	0.125	0	0	0	2
		B		7.45Y	124.1	0.01	1.89	0.00	0	0	0	100					0	0	0	0
		C		7.39Y	123.2	0.02	2.78	15.12	2	110	18	99					0	0	0	16
PL.4330	PL.13857	A	4ACSR	7.58Y	126.3	0.00	-0.27	0.43	0	3	1	95	0.00	0.0	4.298	0.038	0	0	0	2
072706	PL.4330	A	Consumer	7.58Y	126.3	0.00	-0.27	0.01	0	0	0	100	0.00	0.0	4.298	0.000	0	0	1	1
072710	PL.4330	A	Consumer	7.58Y	126.3	0.00	-0.27	0.43	0	3	1	95	0.00	0.0	4.298	0.000	3	1	1	1
PL.17310	PL.13857	C	4ACSR	7.39Y	123.2	0.00	2.78	0.92	0	7	1	99	0.00	0.0	4.265	0.006	0	0	0	1
PD.3209	PL.17310	C	fuse6AMP	7.39Y	123.2	0.00	2.78	0.92	16	7	1	99	0.00	0.0	4.265	0.000	0	0	0	1
PL.17311	PD.3209	C	4ACSR	7.39Y	123.2	0.00	2.78	0.92	0	7	1	99	0.00	0.0	4.312	0.047	0	0	0	1
072717	PL.17311	C	Consumer	7.39Y	123.2	0.00	2.78	0.92	0	7	1	99	0.00	0.0	4.312	0.000	7	1	1	1
PL.13858	PL.13857	A	397ACSR	7.58Y	126.3	-0.01	-0.27	0.00	0	0	0	100	0.01	0.0	4.344	0.084	0	0	0	0
		B		7.45Y	124.1	0.00	1.89	0.00	0	0	0	100					0	0	0	0
		C		7.39Y	123.2	0.01	2.79	14.20	2	104	17	99					0	0	0	15
PL.4508	PL.13858	C	4ACSR	7.39Y	123.2	0.00	2.79	2.23	1	16	3	98	0.00	0.0	4.382	0.038	0	0	0	2
072715	PL.4508	C	Consumer	7.39Y	123.2	0.00	2.79	0.93	0	7	1	99	0.00	0.0	4.382	0.000	7	1	1	1
072713	PL.4508	C	Consumer	7.39Y	123.2	0.00	2.79	1.30	0	9	2	98	0.00	0.0	4.382	0.000	9	2	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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.376	PL.13858	A	397ACSR	7.58Y	126.3	0.00	-0.27	0.00	0	0	0	100	0.00	0.0	4.472	0.128	0	0	0	0
		B		7.45Y	124.1	0.00	1.89	0.00	0	0	0	100					0	0	0	0
		C		7.39Y	123.2	0.00	2.79	0.00	0	0	0	100					0	0	0	0
PD.3208-A	PL.376	A	Open	7.58Y	126.3	0.00	-0.27	0.00	0	0	0	100	0.00	0.0	4.472	0.000	0	0	0	0
		B		7.45Y	124.1	0.00	1.89	0.00	0	0	0	100					0	0	0	0
		C		7.39Y	123.2	0.00	2.79	0.00	0	0	0	100					0	0	0	0
PL.13859	PL.13858	C	4ACSR	7.39Y	123.2	0.04	2.82	11.97	6	87	14	99	0.02	0.0	4.413	0.069	0	0	0	13
072714	PL.13859	C	Consumer	7.39Y	123.2	0.00	2.82	0.01	0	0	0	100	0.00	0.0	4.413	0.000	0	0	1	1
PL.13860	PL.13859	C	4ACSR	7.39Y	123.2	0.02	2.84	9.60	5	70	11	99	0.01	0.0	4.456	0.043	0	0	0	10
PL.4331	PL.13860	C	4ACSR	7.39Y	123.2	0.00	2.84	0.56	0	4	1	97	0.00	0.0	4.496	0.040	0	0	0	1
072711	PL.4331	C	Consumer	7.39Y	123.2	0.00	2.84	0.56	0	4	1	97	0.00	0.0	4.496	0.000	4	1	1	1
PL.32824	PL.13860	C	4ACSR	7.39Y	123.1	0.02	2.86	9.04	5	66	11	99	0.01	0.0	4.509	0.053	0	0	0	9
PL.32825	PL.32824	C	4ACSR	7.39Y	123.1	0.02	2.88	8.68	4	63	10	99	0.01	0.0	4.559	0.050	0	0	0	8
PL.13862	PL.32825	C	4ACSR	7.39Y	123.1	0.02	2.90	7.77	4	57	9	99	0.01	0.0	4.609	0.050	0	0	0	7
072697	PL.13862	C	Consumer	7.39Y	123.1	0.00	2.90	0.00	0	0	0	100	0.00	0.0	4.609	0.000	0	0	0	0
PL.13863	PL.13862	C	4ACSR	7.38Y	123.1	0.02	2.92	7.77	4	57	9	99	0.01	0.0	4.670	0.061	0	0	0	7
PL.4506	PL.13863	C	4ACSR	7.38Y	123.1	0.00	2.92	1.19	1	9	1	99	0.00	0.0	4.708	0.038	0	0	0	1
072692	PL.4506	C	Consumer	7.38Y	123.1	0.00	2.92	1.19	0	9	1	99	0.00	0.0	4.708	0.000	9	1	1	1
PL.29906	PL.13863	C	4ACSR	7.38Y	123.1	0.03	2.94	6.58	3	48	8	99	0.01	0.0	4.759	0.089	0	0	0	6
PL.29907	PL.29906	C	4ACSR	7.38Y	123.0	0.01	2.95	5.79	3	42	7	99	0.00	0.0	4.805	0.046	0	0	0	5
071683	PL.29907	C	Consumer	7.38Y	123.0	0.00	2.95	0.00	0	0	0	100	0.00	0.0	4.805	0.000	0	0	0	0
PL.13865	PL.29907	C	4ACSR	7.38Y	123.0	0.01	2.97	5.79	3	42	7	99	0.00	0.0	4.864	0.059	0	0	0	5
071691	PL.13865	C	Consumer	7.38Y	123.0	0.00	2.97	1.30	0	9	2	98	0.00	0.0	4.864	0.000	9	2	1	1
071689	PL.13865	C	Consumer	7.38Y	123.0	0.00	2.97	1.77	0	13	2	99	0.00	0.0	4.864	0.000	13	2	1	1
0716097	PL.13865	C	Consumer	7.38Y	123.0	0.00	2.97	1.06	0	8	1	99	0.00	0.0	4.864	0.000	8	1	1	1
PL.25200	PL.13865	C	4ACSR	7.38Y	123.0	0.00	2.97	1.66	1	12	2	99	0.00	0.0	4.916	0.051	0	0	0	2
0716093	PL.25200	C	Consumer	7.38Y	123.0	0.00	2.97	0.92	0	7	1	99	0.00	0.0	4.916	0.000	7	1	1	1
071681	PL.25200	C	Consumer	7.38Y	123.0	0.00	2.97	0.74	0	5	1	98	0.00	0.0	4.916	0.000	5	1	1	1
0716103	PL.25200	C	Consumer	7.38Y	123.0	0.00	2.97	0.00	0	0	0	100	0.00	0.0	4.916	0.000	0	0	0	0
0726102	PL.29906	C	Consumer	7.38Y	123.1	0.00	2.94	0.79	0	6	1	99	0.00	0.0	4.759	0.000	6	1	1	1
PL.4332	PL.32825	C	4ACSR	7.39Y	123.1	0.00	2.88	0.91	0	7	1	99	0.00	0.0	4.616	0.057	0	0	0	1
072610	PL.4332	C	Consumer	7.39Y	123.1	0.00	2.88	0.00	0	0	0	100	0.00	0.0	4.616	0.000	0	0	0	0
0727018	PL.4332	C	Consumer	7.39Y	123.1	0.00	2.88	0.91	0	7	1	99	0.00	0.0	4.616	0.000	7	1	1	1
0727019	PL.32824	C	Consumer	7.39Y	123.1	0.00	2.86	0.36	0	3	0	100	0.00	0.0	4.509	0.000	3	0	1	1
PL.4507	PL.13859	C	4ACSR	7.39Y	123.2	0.00	2.83	2.36	1	17	3	98	0.00	0.0	4.447	0.034	0	0	0	2
072712	PL.4507	C	Consumer	7.39Y	123.2	0.00	2.83	1.19	0	9	1	99	0.00	0.0	4.447	0.000	9	1	1	1
072716	PL.4507	C	Consumer	7.39Y	123.2	0.00	2.83	1.17	0	9	1	99	0.00	0.0	4.447	0.000	9	1	1	1
072670	PL.13856	B	Consumer	7.45Y	124.1	0.00	1.88	0.42	0	3	0	100	0.00	0.0	4.135	0.000	3	0	1	1
071604	PL.7614	B	Consumer	7.45Y	124.2	0.00	1.84	0.27	0	2	0	100	0.00	0.0	3.550	0.000	2	0	1	1
PL.15852	PL.7614	B	4ACSR	7.45Y	124.2	0.00	1.84	0.24	0	2	0	100	0.00	0.0	3.556	0.005	0	0	0	2

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.3203	PL.15852	B	fuse6AMP	7.45Y	124.2	0.00	1.84	0.24	4	2	0	100	0.00	0.0	3.556	0.000	0	0	0	2
PL.15853	PD.3203	B	4ACSR	7.45Y	124.2	0.00	1.84	0.24	0	2	0	100	0.00	0.0	3.684	0.128	0	0	0	2
071608	PL.15853	B	Consumer	7.45Y	124.2	0.00	1.84	0.10	0	1	0	100	0.00	0.0	3.684	0.000	1	0	1	1
071661	PL.15853	B	Consumer	7.45Y	124.2	0.00	1.84	0.15	0	1	0	100	0.00	0.0	3.684	0.000	1	0	1	1
PL.15848	PL.13849	C	4ACSR	7.40Y	123.4	0.00	2.58	0.96	0	7	1	99	0.00	0.0	3.066	0.005	0	0	0	1
PD.3213	PL.15848	C	fuse6AMP	7.40Y	123.4	0.00	2.58	0.96	16	7	1	99	0.00	0.0	3.066	0.000	0	0	0	1
PL.15849	PD.3213	C	4ACSR	7.40Y	123.4	0.00	2.59	0.96	0	7	1	99	0.00	0.0	3.178	0.112	0	0	0	1
071633	PL.15849	C	Consumer	7.40Y	123.4	0.00	2.59	0.96	0	7	1	99	0.00	0.0	3.178	0.000	7	1	1	1
071648	PL.28984	A	Consumer	7.57Y	126.1	0.00	-0.09	1.21	0	9	1	99	0.00	0.0	2.931	0.000	9	1	1	1
PL.15844	PL.375	A	336ACSR	7.57Y	126.1	-0.00	-0.08	9.31	1	60	-37	-85	0.01	0.0	2.832	0.005	0	0	0	6
		B		7.45Y	124.2	0.00	1.78	17.28	2	125	-31	-97					0	0	0	25
		C		7.41Y	123.5	0.00	2.54	71.24	10	526	44	100					0	0	0	92
PD.3620	PL.15844	A	50L	7.57Y	126.1	0.00	-0.08	9.31	19	60	-37	-85	0.00	0.0	2.832	0.000	0	0	0	6
		B		7.45Y	124.2	0.00	1.78	17.28	35	125	-31	-97					0	0	0	25
C		C		7.41Y	123.5	0.00	2.54	71.24	142	526	44	100					0	0	0	92 C
PL.15845	PD.3620	A	336ACSR	7.57Y	126.2	-0.11	-0.20	9.31	1	60	-37	-85	0.52	0.1	3.099	0.267	0	0	0	6
		B		7.45Y	124.1	0.08	1.86	17.28	2	125	-31	-97					0	0	0	25
		C		7.40Y	123.3	0.14	2.68	71.24	10	526	44	100					0	0	0	92
PL.42659	PL.15845	A	336ACSR	7.57Y	126.2	-0.00	-0.20	9.31	1	60	-37	-85	0.01	0.0	3.105	0.007	0	0	0	6
		B		7.45Y	124.1	0.00	1.86	17.28	2	125	-31	-97					0	0	0	25
		C		7.40Y	123.3	0.00	2.69	71.24	10	525	42	100					0	0	0	92
PL.42660	PL.42659	C	4ACSR	7.40Y	123.3	0.01	2.70	38.39	20	280	46	99	0.03	0.0	3.113	0.007	0	0	0	54
PL.15840	PL.42660	C	4ACSR	7.39Y	123.2	0.14	2.84	38.39	20	280	46	99	0.30	0.1	3.198	0.085	0	0	0	54
C PD.3618	PL.15840	C	25V4E	7.39Y	123.2	0.00	2.84	38.39	154	280	45	99	0.00	0.0	3.198	0.000	0	0	0	54 C
PL.15841	PD.3618	C	4ACSR	7.39Y	123.1	0.01	2.85	38.39	20	280	45	99	0.02	0.0	3.204	0.006	0	0	0	54
071634	PL.15841	C	Consumer	7.39Y	123.1	0.00	2.85	0.32	0	2	0	100	0.00	0.0	3.204	0.000	2	0	1	1
071629	PL.15841	C	Consumer	7.39Y	123.1	0.00	2.85	0.00	0	0	0	100	0.00	0.0	3.204	0.000	0	0	0	0
071641	PL.15841	C	Consumer	7.39Y	123.1	0.00	2.85	0.56	0	4	1	97	0.00	0.0	3.204	0.000	4	1	1	1
PL.13094	PL.15841	C	4ACSR	7.38Y	123.0	0.13	2.98	36.06	19	263	43	99	0.27	0.1	3.290	0.086	0	0	0	51
071637	PL.13094	C	Consumer	7.38Y	123.0	0.00	2.98	1.20	0	9	1	99	0.00	0.0	3.290	0.000	9	1	1	1
071640	PL.13094	C	Consumer	7.38Y	123.0	0.00	2.98	0.74	0	5	1	98	0.00	0.0	3.290	0.000	5	1	1	1
PL.13092	PL.13094	C	4ACSR	7.38Y	123.0	0.06	3.04	34.13	18	249	40	99	0.11	0.0	3.331	0.041	0	0	0	49
PL.13093	PL.13092	C	4ACSR	7.37Y	122.9	0.10	3.14	33.45	17	244	39	99	0.18	0.1	3.399	0.068	0	0	0	45
PL.34711	PL.13093	C	4ACSR	7.37Y	122.9	0.00	3.14	3.42	2	25	4	99	0.00	0.0	3.409	0.011	0	0	0	2
PD.4930	PL.34711	C	fuse6AMP	7.37Y	122.9	0.00	3.14	3.42	58	25	4	99	0.00	0.0	3.409	0.000	0	0	0	2
PL.34712	PD.4930	C	4ACSR	7.37Y	122.9	0.01	3.15	3.42	2	25	4	99	0.00	0.0	3.446	0.036	0	0	0	2
071657	PL.34712	C	Consumer	7.37Y	122.9	0.00	3.15	1.55	0	11	2	98	0.00	0.0	3.446	0.000	11	2	1	1
071672	PL.34712	C	Consumer	7.37Y	122.9	0.00	3.15	1.87	0	14	2	99	0.00	0.0	3.446	0.000	14	2	1	1
071630	PL.13093	C	Consumer	7.37Y	122.9	0.00	3.14	0.90	0	7	1	99	0.00	0.0	3.399	0.000	7	1	1	1
PL.13090	PL.13093	C	4ACSR	7.37Y	122.8	0.03	3.17	29.14	15	212	34	99	0.05	0.0	3.421	0.023	0	0	0	42
PL.13091	PL.13090	C	4ACSR	7.37Y	122.8	0.06	3.23	28.65	15	208	34	99	0.10	0.0	3.471	0.050	0	0	0	41
PL.13089	PL.13091	C	4ACSR	7.36Y	122.7	0.07	3.30	27.69	14	201	33	99	0.10	0.1	3.528	0.057	0	0	0	39

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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.34715	PL.13089	C	4ACSR	7.36Y	122.7	0.00	3.30	1.13	1	8	1	99	0.00	0.0	3.532	0.004	0	0	0	3
PD.4932	PL.34715	C	fuse6AMP	7.36Y	122.7	0.00	3.30	1.13	19	8	1	99	0.00	0.0	3.532	0.000	0	0	0	3
PL.34716	PD.4932	C	4ACSR	7.36Y	122.7	0.00	3.30	1.13	1	8	1	99	0.00	0.0	3.557	0.025	0	0	0	3
071656	PL.34716	C	Consumer	7.36Y	122.7	0.00	3.30	0.51	0	4	1	97	0.00	0.0	3.557	0.000	4	1	1	1
0716101	PL.34716	C	Consumer	7.36Y	122.7	0.00	3.30	0.00	0	0	0	100	0.00	0.0	3.557	0.000	0	0	0	0
071654	PL.34716	C	Consumer	7.36Y	122.7	0.00	3.30	0.29	0	2	0	100	0.00	0.0	3.557	0.000	2	0	1	1
071650	PL.34716	C	Consumer	7.36Y	122.7	0.00	3.30	0.00	0	0	0	100	0.00	0.0	3.557	0.000	0	0	0	0
071655	PL.34716	C	Consumer	7.36Y	122.7	0.00	3.30	0.00	0	0	0	100	0.00	0.0	3.557	0.000	0	0	0	0
0716100	PL.34716	C	Consumer	7.36Y	122.7	0.00	3.30	0.34	0	2	0	100	0.00	0.0	3.557	0.000	2	0	1	1
PL.20523	PL.13089	C	4ACSR	7.36Y	122.7	0.04	3.35	26.56	14	193	31	99	0.07	0.0	3.567	0.039	0	0	0	36
071647	PL.20523	C	Consumer	7.36Y	122.7	0.00	3.35	1.09	0	8	1	99	0.00	0.0	3.567	0.000	8	1	1	1
071670	PL.20523	C	Consumer	7.36Y	122.7	0.00	3.35	1.24	0	9	1	99	0.00	0.0	3.567	0.000	9	1	1	1
071643	PL.20523	C	Consumer	7.36Y	122.7	0.00	3.35	0.45	0	3	1	95	0.00	0.0	3.567	0.000	3	1	1	1
PL.20522	PL.20523	C	4ACSR	7.36Y	122.6	0.04	3.38	23.78	12	173	28	99	0.05	0.0	3.605	0.037	0	0	0	33
PL.8072	PL.20522	C	4ACSR	7.35Y	122.5	0.07	3.45	21.84	11	159	26	99	0.08	0.1	3.678	0.073	0	0	0	30
PL.4595	PL.8072	C	4ACSR	7.35Y	122.5	0.09	3.54	18.88	10	137	22	99	0.09	0.1	3.783	0.106	0	0	0	25
PL.34717	PL.4595	C	4ACSR	7.35Y	122.5	0.00	3.54	1.41	1	10	2	98	0.00	0.0	3.790	0.007	0	0	0	2
PD.4933	PL.34717	C	fuse6AMP	7.35Y	122.5	0.00	3.54	1.41	24	10	2	98	0.00	0.0	3.790	0.000	0	0	0	2
PL.34718	PD.4933	C	4ACSR	7.35Y	122.5	0.00	3.54	1.41	1	10	2	98	0.00	0.0	3.795	0.005	0	0	0	2
PL.3370	PL.34718	C	4ACSR	7.35Y	122.5	0.01	3.55	1.41	1	10	2	98	0.00	0.0	3.879	0.084	0	0	0	2
506001	PL.3370	C	Consumer	7.35Y	122.5	0.00	3.55	0.42	0	3	0	100	0.00	0.0	3.879	0.000	3	0	1	1
506003	PL.3370	C	Consumer	7.35Y	122.5	0.00	3.55	0.99	0	7	1	99	0.00	0.0	3.879	0.000	7	1	1	1
PL.4326	PL.4595	C	4ACSR	7.35Y	122.4	0.03	3.57	15.02	8	109	18	99	0.03	0.0	3.837	0.054	0	0	0	21
070601	PL.4326	C	Consumer	7.35Y	122.4	0.00	3.57	1.08	0	8	1	99	0.00	0.0	3.837	0.000	8	1	1	1
PL.26270	PL.4326	C	4ACSR	7.34Y	122.4	0.04	3.61	12.26	6	89	14	99	0.03	0.0	3.913	0.076	0	0	0	19
PL.34724	PL.26270	C	4ACSR	7.34Y	122.4	0.00	3.62	1.73	1	13	2	99	0.00	0.0	3.923	0.010	0	0	0	2
PD.4936	PL.34724	C	fuse6AMP	7.34Y	122.4	0.00	3.62	1.73	30	13	2	99	0.00	0.0	3.923	0.000	0	0	0	2
PL.34725	PD.4936	C	4ACSR	7.34Y	122.4	0.00	3.62	1.73	1	13	2	99	0.00	0.0	3.936	0.013	0	0	0	2
070624	PL.34725	C	Consumer	7.34Y	122.4	0.00	3.62	1.35	0	10	2	98	0.00	0.0	3.936	0.000	10	2	1	1
070625	PL.34725	C	Consumer	7.34Y	122.4	0.00	3.62	0.37	0	3	0	100	0.00	0.0	3.936	0.000	3	0	1	1
PL.26271	PL.26270	C	4ACSR	7.34Y	122.4	0.02	3.63	10.26	5	74	12	99	0.01	0.0	3.951	0.037	0	0	0	15
PL.4600	PL.26271	C	4ACSR	7.34Y	122.4	0.01	3.64	7.85	4	57	9	99	0.01	0.0	3.988	0.038	0	0	0	11
0706060	PL.4600	C	Consumer	7.34Y	122.4	0.00	3.64	0.80	0	6	1	99	0.00	0.0	3.988	0.000	6	1	1	1
PL.13466	PL.4600	C	4ACSR	7.34Y	122.3	0.01	3.65	7.05	4	51	8	99	0.00	0.0	4.009	0.020	0	0	0	10
PL.39289	PL.13466	C	4ACSR	7.34Y	122.3	0.05	3.70	6.27	3	45	7	99	0.02	0.0	4.201	0.192	0	0	0	8
0706059	PL.39289	C	Consumer	7.34Y	122.3	0.00	3.70	0.00	0	0	0	100	0.00	0.0	4.201	0.000	0	0	1	1
PL.39290	PL.39289	C	4ACSR	7.34Y	122.3	0.01	3.71	6.27	3	45	7	99	0.00	0.0	4.238	0.037	0	0	0	7
PL.13469	PL.39290	C	4ACSR	7.34Y	122.3	0.01	3.72	4.75	2	34	6	98	0.00	0.0	4.276	0.037	0	0	0	6

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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PD.204-A	PL.13469	C	Closed	7.34Y	122.3	0.00	3.72	4.75	0	34	6	98	0.00	0.0	4.276	0.000	0	0	0	6	
PD.204-B	PD.204-A	C	Closed	7.34Y	122.3	0.00	3.72	4.75	0	34	6	98	0.00	0.0	4.276	0.000	0	0	0	6	
PL.13470	PD.204-B	C	4ACSR	7.34Y	122.3	0.00	3.72	4.75	2	34	6	98	0.00	0.0	4.279	0.004	0	0	0	6	
PL.8554	PL.13470	C	4ACSR	7.34Y	122.3	0.00	3.72	4.75	2	34	6	98	0.00	0.0	4.297	0.018	0	0	0	6	
PL.15119	PL.8554	C	4ACSR	7.34Y	122.3	0.00	3.72	0.00	0	0	0	100	0.00	0.0	4.354	0.057	0	0	0	0	
PD.203-A	PL.15119	C	Open	7.34Y	122.3	0.00	3.72	0.00	0	0	0	100	0.00	0.0	4.354	0.000	0	0	0	0	
PL.45378	PL.8554	C	4ACSR	7.34Y	122.3	0.01	3.73	4.75	2	34	6	98	0.00	0.0	4.325	0.028	0	0	0	6	
PL.45379	PL.45378	C	4ACSR	7.34Y	122.3	0.00	3.73	4.75	2	34	6	98	0.00	0.0	4.348	0.023	0	0	0	6	
070634	PL.45379	C	Consumer	7.34Y	122.3	0.00	3.73	0.00	0	0	0	100	0.00	0.0	4.348	0.000	0	0	0	0	
PL.38114	PL.45379	C	4ACSR	7.34Y	122.3	0.00	3.74	4.75	2	34	6	98	0.00	0.0	4.353	0.005	0	0	0	6	
C PD.6613	PL.38114	C	fuse6AMP	7.34Y	122.3	0.00	3.74	4.75	81	34	6	98	0.00	0.0	4.353	0.000	0	0	0	6	C
PL.38115	PD.6613	C	4ACSR	7.34Y	122.3	0.01	3.74	4.75	2	34	6	98	0.00	0.0	4.396	0.043	0	0	0	6	
PL.8387	PL.38115	C	4ACSR	7.33Y	122.2	0.01	3.76	4.75	2	34	6	98	0.00	0.0	4.454	0.057	0	0	0	6	
PL.13256	PL.8387	C	4ACSR	7.33Y	122.2	0.01	3.77	4.75	2	34	6	98	0.00	0.0	4.506	0.052	0	0	0	6	
019602	PL.13256	C	Consumer	7.33Y	122.2	0.00	3.77	0.76	0	6	1	99	0.00	0.0	4.506	0.000	6	1	1	1	
PL.13257	PL.13256	C	4ACSR	7.33Y	122.2	0.02	3.78	3.99	2	29	5	99	0.00	0.0	4.599	0.093	0	0	0	5	
PL.35623	PL.13257	C	4ACSR	7.33Y	122.2	0.01	3.79	3.09	2	22	4	98	0.00	0.0	4.672	0.074	0	0	0	4	
PL.35624	PL.35623	C	4ACSR	7.33Y	122.2	0.00	3.80	3.09	2	22	4	98	0.00	0.0	4.707	0.035	0	0	0	4	
019603	PL.35624	C	Consumer	7.33Y	122.2	0.00	3.80	0.74	0	5	1	98	0.00	0.0	4.707	0.000	5	1	1	1	
PL.13259	PL.35624	C	4ACSR	7.33Y	122.2	0.01	3.80	2.34	1	17	3	98	0.00	0.0	4.781	0.074	0	0	0	3	
PL.45403	PL.13259	C	2ACSR	7.33Y	122.2	0.00	3.81	1.34	1	10	2	98	0.00	0.0	4.863	0.082	0	0	0	2	
PL.45404	PL.45403	C	2ACSR	7.33Y	122.2	0.01	3.82	1.34	1	10	2	98	0.00	0.0	5.094	0.230	0	0	0	2	
PL.34624	PL.45404	C	2ACSR	7.33Y	122.2	0.00	3.82	1.05	0	8	1	99	0.00	0.0	5.195	0.102	0	0	0	1	
0186004	PL.34624	C	Consumer	7.33Y	122.2	0.00	3.82	1.05	0	8	1	99	0.00	0.0	5.195	0.000	8	1	1	1	
018601	PL.45404	C	Consumer	7.33Y	122.2	0.00	3.82	0.00	0	0	0	100	0.00	0.0	5.094	0.000	0	0	0	0	
0186003	PL.45404	C	Consumer	7.33Y	122.2	0.00	3.82	0.29	0	2	0	100	0.00	0.0	5.094	0.000	2	0	1	1	
PL.45402	PL.45403	C	2ACSR	7.33Y	122.2	0.00	3.81	0.00	0	0	0	100	0.00	0.0	4.907	0.043	0	0	0	0	
SRL.36350	PL.45402	C	Consumer	7.33Y	122.2	0.00	3.81	0.00	0	0	0	100	0.00	0.0	4.907	0.000	0	0	0	0	
PL.8388	PL.13259	C	4ACSR	7.33Y	122.2	0.00	3.81	1.00	1	7	1	99	0.00	0.0	4.818	0.037	0	0	0	1	
019601	PL.8388	C	Consumer	7.33Y	122.2	0.00	3.81	1.00	0	7	1	99	0.00	0.0	4.818	0.000	7	1	1	1	
019604	PL.35623	C	Consumer	7.33Y	122.2	0.00	3.79	0.00	0	0	0	100	0.00	0.0	4.672	0.000	0	0	0	0	
PL.437	PL.13257	C	4ACSR	7.33Y	122.2	0.00	3.78	0.90	0	7	1	99	0.00	0.0	4.627	0.028	0	0	0	1	
0196005	PL.437	C	Consumer	7.33Y	122.2	0.00	3.78	0.90	0	7	1	99	0.00	0.0	4.627	0.000	7	1	1	1	
PL.41300	PL.8387	C	2ACSR	7.33Y	122.2	0.00	3.76	0.00	0	0	0	100	0.00	0.0	4.563	0.110	0	0	0	0	
0196006	PL.41300	C	Consumer	7.33Y	122.2	0.00	3.76	0.00	0	0	0	100	0.00	0.0	4.563	0.000	0	0	0	0	
PL.45377	PL.45378	C	2ACSR	7.34Y	122.3	0.00	3.73	0.00	0	0	0	100	0.00	0.0	4.344	0.019	0	0	0	0	
0706064	PL.45377	C	Consumer	7.34Y	122.3	0.00	3.73	0.00	0	0	0	100	0.00	0.0	4.344	0.000	0	0	0	0	
070622	PL.39290	C	Consumer	7.34Y	122.3	0.00	3.71	1.52	0	11	2	98	0.00	0.0	4.238	0.000	11	2	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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.34733	PL.13466	C	4ACSR	7.34Y	122.3	0.00	3.65	0.78	0	6	1	99	0.00	0.0	4.013	0.004	0	0	0	2
PD.4939	PL.34733	C	fuse6AMP	7.34Y	122.3	0.00	3.65	0.78	13	6	1	99	0.00	0.0	4.013	0.000	0	0	0	2
PL.34734	PD.4939	C	4ACSR	7.34Y	122.3	0.00	3.65	0.78	0	6	1	99	0.00	0.0	4.058	0.045	0	0	0	2
070615	PL.34734	C	Consumer	7.34Y	122.3	0.00	3.65	0.75	0	5	1	98	0.00	0.0	4.058	0.000	5	1	1	1
PL.36490	PL.34734	C	2ACSR	7.34Y	122.3	0.00	3.65	0.03	0	0	0	100	0.00	0.0	4.095	0.037	0	0	0	1
0706056	PL.36490	C	Consumer	7.34Y	122.3	0.00	3.65	0.03	0	0	0	100	0.00	0.0	4.095	0.000	0	0	1	1
070644	PL.26271	C	Consumer	7.34Y	122.4	0.00	3.63	0.00	0	0	0	100	0.00	0.0	3.951	0.000	0	0	0	0
070611	PL.26271	C	Consumer	7.34Y	122.4	0.00	3.63	0.00	0	0	0	100	0.00	0.0	3.951	0.000	0	0	0	0
070606	PL.26271	C	Consumer	7.34Y	122.4	0.00	3.63	0.35	0	3	0	100	0.00	0.0	3.951	0.000	3	0	1	1
PL.34728	PL.26271	C	4ACSR	7.34Y	122.4	0.00	3.63	2.06	1	15	2	99	0.00	0.0	3.954	0.004	0	0	0	3
PD.4938	PL.34728	C	fuse6AMP	7.34Y	122.4	0.00	3.63	2.06	35	15	2	99	0.00	0.0	3.954	0.000	0	0	0	3
PL.34731	PD.4938	C	4ACSR	7.34Y	122.4	0.00	3.63	2.06	1	15	2	99	0.00	0.0	3.957	0.002	0	0	0	3
PL.34732	PL.34731	C	4ACSR	7.34Y	122.4	0.01	3.64	1.75	1	13	2	99	0.00	0.0	4.033	0.077	0	0	0	2
070607	PL.34732	C	Consumer	7.34Y	122.4	0.00	3.64	1.03	0	7	1	99	0.00	0.0	4.033	0.000	7	1	1	1
070608	PL.34732	C	Consumer	7.34Y	122.4	0.00	3.64	0.71	0	5	1	98	0.00	0.0	4.033	0.000	5	1	1	1
PL.34730	PL.34731	C	4ACSR	7.34Y	122.4	0.00	3.63	0.31	0	2	0	100	0.00	0.0	3.964	0.007	0	0	0	1
PL.34727	PL.34730	C	4ACSR	7.34Y	122.4	0.00	3.63	0.31	0	2	0	100	0.00	0.0	4.011	0.047	0	0	0	1
PL.8079	PL.34727	C	4ACSR	7.34Y	122.4	0.00	3.63	0.31	0	2	0	100	0.00	0.0	4.122	0.111	0	0	0	1
070641	PL.8079	C	Consumer	7.34Y	122.4	0.00	3.63	0.31	0	2	0	100	0.00	0.0	4.122	0.000	2	0	1	1
070631	PL.34727	C	Consumer	7.34Y	122.4	0.00	3.63	0.00	0	0	0	100	0.00	0.0	4.011	0.000	0	0	0	0
070617	PL.26270	C	Consumer	7.34Y	122.4	0.00	3.61	0.27	0	2	0	100	0.00	0.0	3.913	0.000	2	0	1	1
070647	PL.26270	C	Consumer	7.34Y	122.4	0.00	3.61	0.00	0	0	0	100	0.00	0.0	3.913	0.000	0	0	1	1
PL.42662	PL.4326	C	4ACSR	7.35Y	122.4	0.00	3.57	0.00	0	0	0	100	0.00	0.0	3.853	0.016	0	0	0	0
PD.8112-B	PL.42662	C	Open	7.35Y	122.4	0.00	3.57	0.00	0	0	0	100	0.00	0.0	3.853	0.000	0	0	0	0
PL.34722	PL.4326	C	4ACSR	7.35Y	122.4	0.00	3.58	1.68	1	12	2	99	0.00	0.0	3.847	0.010	0	0	0	1
PL.34723	PL.34722	C	4ACSR	7.35Y	122.4	0.00	3.58	1.68	1	12	2	99	0.00	0.0	3.869	0.022	0	0	0	1
070618	PL.34723	C	Consumer	7.35Y	122.4	0.00	3.58	1.68	0	12	2	99	0.00	0.0	3.869	0.000	12	2	1	1
070643	PL.34723	C	Consumer	7.35Y	122.4	0.00	3.58	0.00	0	0	0	100	0.00	0.0	3.869	0.000	0	0	0	0
505003	PL.4595	C	Consumer	7.35Y	122.5	0.00	3.54	0.33	0	2	0	100	0.00	0.0	3.783	0.000	2	0	1	1
PL.34720	PL.4595	C	4ACSR	7.35Y	122.5	0.00	3.54	2.11	1	15	2	99	0.00	0.0	3.799	0.015	0	0	0	1
PD.4934	PL.34720	C	fuse6AMP	7.35Y	122.5	0.00	3.54	2.11	36	15	2	99	0.00	0.0	3.799	0.000	0	0	0	1
PL.34721	PD.4934	C	4ACSR	7.35Y	122.5	0.00	3.55	2.11	1	15	2	99	0.00	0.0	3.848	0.049	0	0	0	1
505004	PL.34721	C	Consumer	7.35Y	122.5	0.00	3.55	2.11	0	15	2	99	0.00	0.0	3.848	0.000	15	2	1	1
070612	PL.8072	C	Consumer	7.35Y	122.5	0.00	3.45	1.05	0	8	1	99	0.00	0.0	3.678	0.000	8	1	1	1
070613	PL.8072	C	Consumer	7.35Y	122.5	0.00	3.45	0.84	0	6	1	99	0.00	0.0	3.678	0.000	6	1	1	1
070619	PL.8072	C	Consumer	7.35Y	122.5	0.00	3.45	0.58	0	4	1	97	0.00	0.0	3.678	0.000	4	1	1	1
506002	PL.8072	C	Consumer	7.35Y	122.5	0.00	3.45	0.33	0	2	0	100	0.00	0.0	3.678	0.000	2	0	1	1
070614	PL.8072	C	Consumer	7.35Y	122.5	0.00	3.45	0.16	0	1	0	100	0.00	0.0	3.678	0.000	1	0	1	1

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

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
071631	PL.20522	C	Consumer	7.36Y	122.6	0.00	3.38	0.01	0	0	0	100	0.00	0.0	3.605	0.000	0	0	1	1
071645	PL.20522	C	Consumer	7.36Y	122.6	0.00	3.38	0.97	0	7	1	99	0.00	0.0	3.605	0.000	7	1	1	1
071628	PL.20522	C	Consumer	7.36Y	122.6	0.00	3.38	0.97	0	7	1	99	0.00	0.0	3.605	0.000	7	1	1	1
PL.34713	PL.13091	C	4ACSR	7.37Y	122.8	0.00	3.23	0.96	0	7	1	99	0.00	0.0	3.477	0.006	0	0	0	2
PD.4931	PL.34713	C	fuse6AMP	7.37Y	122.8	0.00	3.23	0.96	16	7	1	99	0.00	0.0	3.477	0.000	0	0	0	2
PL.34714	PD.4931	C	4ACSR	7.37Y	122.8	0.00	3.23	0.96	0	7	1	99	0.00	0.0	3.486	0.009	0	0	0	2
PL.8074	PL.34714	C	4ACSR	7.37Y	122.8	0.00	3.24	0.57	0	4	1	97	0.00	0.0	3.530	0.044	0	0	0	1
071632	PL.8074	C	Consumer	7.37Y	122.8	0.00	3.24	0.57	0	4	1	97	0.00	0.0	3.530	0.000	4	1	1	1
PL.4589	PL.8074	C	4ACSR	7.37Y	122.8	0.00	3.24	0.00	0	0	0	100	0.00	0.0	3.549	0.019	0	0	0	0
071623	PL.34714	C	Consumer	7.37Y	122.8	0.00	3.23	0.39	0	3	0	100	0.00	0.0	3.486	0.000	3	0	1	1
071642	PL.13090	C	Consumer	7.37Y	122.8	0.00	3.17	0.48	0	4	1	97	0.00	0.0	3.421	0.000	4	1	1	1
PL.34709	PL.13092	C	4ACSR	7.38Y	123.0	0.00	3.04	0.67	0	5	1	98	0.00	0.0	3.335	0.004	0	0	0	4
PD.4929	PL.34709	C	fuse6AMP	7.38Y	123.0	0.00	3.04	0.67	12	5	1	98	0.00	0.0	3.335	0.000	0	0	0	4
PL.34710	PD.4929	C	4ACSR	7.38Y	123.0	0.00	3.05	0.67	0	5	1	98	0.00	0.0	3.385	0.050	0	0	0	4
071639	PL.34710	C	Consumer	7.38Y	123.0	0.00	3.05	0.44	0	3	1	95	0.00	0.0	3.385	0.000	3	1	1	1
071617	PL.34710	C	Consumer	7.38Y	123.0	0.00	3.05	0.08	0	1	0	100	0.00	0.0	3.385	0.000	1	0	1	1
071627	PL.34710	C	Consumer	7.38Y	123.0	0.00	3.05	0.02	0	0	0	100	0.00	0.0	3.385	0.000	0	0	1	1
071618	PL.34710	C	Consumer	7.38Y	123.0	0.00	3.05	0.13	0	1	0	100	0.00	0.0	3.385	0.000	1	0	1	1
PL.34735	PL.15841	C	4ACSR	7.39Y	123.1	0.00	2.85	1.45	1	11	2	98	0.00	0.0	3.214	0.010	0	0	0	1
PD.4940	PL.34735	C	fuse6AMP	7.39Y	123.1	0.00	2.85	1.45	25	11	2	98	0.00	0.0	3.214	0.000	0	0	0	1
PL.34736	PD.4940	C	4ACSR	7.39Y	123.1	0.00	2.85	1.45	1	11	2	98	0.00	0.0	3.255	0.041	0	0	0	1
071636	PL.34736	C	Consumer	7.39Y	123.1	0.00	2.85	0.00	0	0	0	100	0.00	0.0	3.255	0.000	0	0	0	0
071635	PL.34736	C	Consumer	7.39Y	123.1	0.00	2.85	1.45	0	11	2	98	0.00	0.0	3.255	0.000	11	2	1	1
PL.42658	PL.42659	A	336ACSR	7.57Y	126.2	-0.01	-0.21	9.31	1	60	-37	-85	0.03	0.0	3.168	0.062	0	0	0	6
		B		7.45Y	124.1	0.01	1.87	17.28	2	125	-31	-97					0	0	0	25
		C		7.40Y	123.3	0.01	2.70	33.12	5	245	-3	-100					0	0	0	38
071607	PL.42658	A	Consumer	7.57Y	126.2	0.00	-0.21	0.01	0	0	0	100	0.00	0.0	3.168	0.000	0	0	1	1
PL.15842	PL.42658	A	4ACSR	7.57Y	126.2	0.00	-0.21	0.00	0	0	0	100	0.00	0.0	3.173	0.006	0	0	0	0
		B		7.45Y	124.1	0.00	1.87	0.71	0	5	1	99					0	0	0	3
		C		7.40Y	123.3	-0.00	2.70	0.00	0	0	0	100					0	0	0	0
PD.3201	PL.15842	A	fuse6AMP	7.57Y	126.2	0.00	-0.21	0.00	0	0	0	100	0.00	0.0	3.173	0.000	0	0	0	0
		B		7.45Y	124.1	0.00	1.87	0.71	12	5	1	99					0	0	0	3
		C		7.40Y	123.3	0.00	2.70	0.00	0	0	0	100					0	0	0	0
PL.15843	PD.3201	B	4ACSR	7.45Y	124.1	0.00	1.87	0.71	0	5	1	98	0.00	0.0	3.253	0.080	0	0	0	3
071659	PL.15843	B	Consumer	7.45Y	124.1	0.00	1.87	0.32	0	2	0	100	0.00	0.0	3.253	0.000	2	0	1	1
PL.4588	PL.15843	B	4ACSR	7.45Y	124.1	0.00	1.88	0.39	0	3	0	100	0.00	0.0	3.319	0.065	0	0	0	2
PL.4333	PL.4588	B	4ACSR	7.45Y	124.1	0.00	1.88	0.39	0	3	0	100	0.00	0.0	3.383	0.065	0	0	0	1
071682	PL.4333	B	Consumer	7.45Y	124.1	0.00	1.88	0.39	0	3	0	100	0.00	0.0	3.383	0.000	3	0	1	1
PL.4305	PL.4588	B	4ACSR	7.45Y	124.1	0.00	1.88	0.00	0	0	0	100	0.00	0.0	3.459	0.141	0	0	0	1
071684	PL.4305	B	Consumer	7.45Y	124.1	0.00	1.88	0.00	0	0	0	100	0.00	0.0	3.459	0.000	0	0	1	1

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

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PL.15838	PL.42658	A	336ACSR	7.58Y	126.3	-0.04	-0.26	9.30	1	60	-37	-85	0.13	0.0	3.448	0.280	0	0	0	5	
		B		7.45Y	124.1	0.04	1.91	16.63	2	120	-31	-97					0	0	0	22	
		C		7.40Y	123.3	0.05	2.75	33.12	5	245	-4	-100					0	0	0	38	
PD.201-A	PL.15838	A	Closed	7.58Y	126.3	0.00	-0.26	9.30	0	60	-37	-85	0.00	0.0	3.448	0.000	0	0	0	5	
		B		7.45Y	124.1	0.00	1.91	16.63	0	120	-31	-97					0	0	0	22	
		C		7.40Y	123.3	0.00	2.75	33.12	0	245	-4	-100					0	0	0	38	
PD.201-B	PD.201-A	A	Closed	7.58Y	126.3	0.00	-0.26	9.30	0	60	-37	-85	0.00	0.0	3.448	0.000	0	0	0	5	
		B		7.45Y	124.1	0.00	1.91	16.63	0	120	-31	-97					0	0	0	22	
		C		7.40Y	123.3	0.00	2.75	33.12	0	245	-4	-100					0	0	0	38	
PL.15839	PD.201-B	A	336ACSR	7.58Y	126.3	-0.00	-0.26	9.30	1	60	-37	-85	0.00	0.0	3.453	0.005	0	0	0	5	
		B		7.45Y	124.1	0.00	1.91	16.63	2	120	-31	-97					0	0	0	22	
		C		7.40Y	123.3	0.00	2.75	33.12	5	245	-4	-100					0	0	0	38	
PL.15836	PL.15839	B	1/0EPRJCN	7.45Y	124.1	0.00	1.91	2.47	1	18	-2	-99	0.00	0.0	3.459	0.005	0	0	0	5	
PD.3214	PL.15836	B	fuse6AMP	7.45Y	124.1	0.00	1.91	2.47	42	18	-2	-99	0.00	0.0	3.459	0.000	0	0	0	5	
PL.15837	PD.3214	B	1/0EPRJCN	7.45Y	124.1	0.00	1.91	2.47	1	18	-2	-99	0.00	0.0	3.502	0.043	0	0	0	5	
PL.13097	PL.15837	B	1/0EPRJCN	7.45Y	124.1	0.00	1.92	1.99	1	15	-3	-98	0.00	0.0	3.553	0.052	0	0	0	3	
PL.13098	PL.13097	B	1/0EPRJCN	7.44Y	124.1	0.00	1.92	1.98	1	15	-2	-99	0.00	0.0	3.610	0.057	0	0	0	3	
PL.13099	PL.13098	B	1/0EPRJCN	7.44Y	124.1	0.00	1.92	1.98	1	15	-2	-99	0.00	0.0	3.668	0.058	0	0	0	3	
0716099	PL.13099	B	Consumer	7.44Y	124.1	0.00	1.92	0.00	0	0	0	100	0.00	0.0	3.668	0.000	0	0	0	0	
PL.13100	PL.13099	B	1/0EPRJCN	7.44Y	124.1	0.00	1.92	1.97	1	15	-2	-99	0.00	0.0	3.718	0.051	0	0	0	3	
PL.13101	PL.13100	B	1/0EPRJCN	7.44Y	124.1	0.00	1.92	1.62	1	12	-2	-99	0.00	0.0	3.781	0.063	0	0	0	2	
PL.13102	PL.13101	B	1/0EPRJCN	7.44Y	124.1	0.00	1.93	1.61	1	12	-2	-99	0.00	0.0	3.846	0.064	0	0	0	2	
PL.13103	PL.13102	B	1/0EPRJCN	7.44Y	124.1	0.00	1.93	1.61	1	12	-2	-99	0.00	0.0	3.896	0.051	0	0	0	2	
0706055	PL.13103	B	Consumer	7.44Y	124.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	3.896	0.000	0	0	1	1	
PL.13104	PL.13103	B	1/0EPRJCN	7.44Y	124.1	0.00	1.93	1.60	1	12	-1	-100	0.00	0.0	3.953	0.057	0	0	0	1	
PL.13625	PL.13104	B	1/0EPRJCN	7.44Y	124.1	0.00	1.93	1.60	1	12	-1	-100	0.00	0.0	4.003	0.049	0	0	0	1	
PL.13626	PL.13625	B	1/0EPRJCN	7.44Y	124.1	0.00	1.93	1.60	1	12	-1	-100	0.00	0.0	4.067	0.064	0	0	0	1	
PL.13627	PL.13626	B	1/0EPRJCN	7.44Y	124.1	0.00	1.93	1.59	1	12	-1	-100	0.00	0.0	4.122	0.055	0	0	0	1	
PL.13628	PL.13627	B	1/0EPRJCN	7.44Y	124.1	0.01	1.94	1.59	1	12	0	100	0.00	0.0	4.289	0.167	0	0	0	1	
PL.4513	PL.13628	B	1/0EPRJCN	7.44Y	124.1	0.00	1.94	1.61	1	12	2	99	0.00	0.0	4.332	0.042	0	0	0	1	
0716092	PL.4513	B	Consumer	7.44Y	124.1	0.00	1.94	1.61	0	12	2	99	0.00	0.0	4.332	0.000	12	2	1	1	
P PL.13629	PL.13628	B	1/0EPRJCN	7.44Y	124.1	-0.00	1.94	-0.16	0	0	-1	0	0.00	0.0	4.319	0.029	0	0	0	0	P
P PL.13095	PL.13629	B	1/0EPRJCN	7.44Y	124.1	-0.00	1.94	-0.14	0	0	-1	0	0.00	0.0	4.517	0.199	0	0	0	0	P
P PL.13096	PL.13095	B	1/0EPRJCN	7.44Y	124.1	-0.00	1.94	-0.02	0	0	0	100	0.00	0.0	4.544	0.026	0	0	0	0	P
071686	PL.13100	B	Consumer	7.44Y	124.1	0.00	1.92	0.37	0	3	0	100	0.00	0.0	3.718	0.000	3	0	1	1	
071685	PL.15837	B	Consumer	7.45Y	124.1	0.00	1.91	0.50	0	4	1	97	0.00	0.0	3.502	0.000	4	1	1	1	
071687	PL.15837	B	Consumer	7.45Y	124.1	0.00	1.91	0.00	0	0	0	100	0.00	0.0	3.502	0.000	0	0	1	1	
PL.4584	PL.15839	C	4ACSR	7.40Y	123.3	0.00	2.75	0.00	0	0	0	100	0.00	0.0	3.494	0.040	0	0	0	0	
071609	PL.4584	C	Consumer	7.40Y	123.3	0.00	2.75	0.00	0	0	0	100	0.00	0.0	3.494	0.000	0	0	0	0	
071615	PL.4584	C	Consumer	7.40Y	123.3	0.00	2.75	0.00	0	0	0	100	0.00	0.0	3.494	0.000	0	0	0	0	
PL.8555	PL.15839	A	336ACSR	7.58Y	126.3	-0.01	-0.27	9.30	1	60	-37	-85	0.03	0.0	3.514	0.061	0	0	0	5	
		B		7.44Y	124.1	0.01	1.92	14.19	2	102	-29	-96					0	0	0	17	
		C		7.39Y	123.2	0.01	2.76	33.12	5	245	-4	-100					0	0	0	38	

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

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.13452	PL.8555	A	336ACSR	7.58Y	126.3	-0.01	-0.28	9.30	1	60	-37	-85	0.04	0.0	3.598	0.084	0	0	0	5
		B		7.44Y	124.1	0.01	1.93	14.19	2	102	-29	-96					0	0	0	17
		C		7.39Y	123.2	0.02	2.77	33.12	5	245	-4	-100					0	0	0	38
PL.13453	PL.13452	A	336ACSR	7.58Y	126.3	-0.01	-0.29	9.30	1	60	-37	-85	0.02	0.0	3.658	0.060	0	0	0	5
		B		7.44Y	124.1	0.01	1.94	14.19	2	102	-29	-96					0	0	0	17
		C		7.39Y	123.2	0.01	2.78	31.17	4	230	-8	-100					0	0	0	36
PL.4322	PL.13453	B	4ACSR	7.44Y	124.1	0.00	1.94	0.62	0	5	1	98	0.00	0.0	3.737	0.079	0	0	0	3
PL.4319	PL.4322	B	4ACSR	7.44Y	124.1	0.00	1.94	0.62	0	5	1	98	0.00	0.0	3.787	0.050	0	0	0	3
PL.4320	PL.4319	B	4ACSR	7.44Y	124.1	0.00	1.94	0.62	0	5	1	98	0.00	0.0	3.825	0.038	0	0	0	3
PL.4323	PL.4320	B	4ACSR	7.44Y	124.1	0.00	1.94	0.00	0	0	0	100	0.00	0.0	3.880	0.055	0	0	0	1
071663	PL.4323	B	Consumer	7.44Y	124.1	0.00	1.94	0.00	0	0	0	100	0.00	0.0	3.880	0.000	0	0	1	1
PL.4321	PL.4320	B	4ACSR	7.44Y	124.1	0.00	1.94	0.61	0	4	1	97	0.00	0.0	3.888	0.063	0	0	0	1
071651	PL.4321	B	Consumer	7.44Y	124.1	0.00	1.94	0.61	0	4	1	97	0.00	0.0	3.888	0.000	4	1	1	1
071649	PL.4320	B	Consumer	7.44Y	124.1	0.00	1.94	0.01	0	0	0	100	0.00	0.0	3.825	0.000	0	0	1	1
PL.45406	PL.4319	B	2ACSR	7.44Y	124.1	0.00	1.94	0.00	0	0	0	100	0.00	0.0	3.862	0.075	0	0	0	0
0716102	PL.45406	B	Consumer	7.44Y	124.1	0.00	1.94	0.00	0	0	0	100	0.00	0.0	3.862	0.000	0	0	0	0
PL.40779	PL.13453	A	336ACSR	7.58Y	126.3	-0.00	-0.29	9.30	1	60	-37	-85	0.01	0.0	3.761	0.104	0	0	0	5
		B		7.44Y	124.1	-0.00	1.94	8.74	1	54	-36	-84					0	0	0	5
		C		7.39Y	123.2	-0.00	2.78	8.51	1	52	-35	-83					0	0	0	2
PL.40780	PL.40779	A	336ACSR	7.58Y	126.3	-0.00	-0.29	9.30	1	60	-37	-85	0.00	0.0	3.790	0.029	0	0	0	5
		B		7.44Y	124.1	-0.00	1.93	8.45	1	52	-36	-82					0	0	0	3
		C		7.39Y	123.2	-0.00	2.78	8.51	1	52	-35	-83					0	0	0	2
PL.13455	PL.40780	A	336ACSR	7.58Y	126.3	-0.00	-0.29	9.30	1	60	-37	-85	0.00	0.0	3.817	0.027	0	0	0	5
		B		7.44Y	124.1	-0.00	1.93	8.45	1	52	-36	-82					0	0	0	3
		C		7.39Y	123.2	-0.00	2.78	8.51	1	52	-35	-83					0	0	0	2
PL.31892	PL.13455	A	336ACSR	7.58Y	126.3	-0.00	-0.29	9.30	1	60	-37	-85	0.00	0.0	3.859	0.042	0	0	0	5
		B		7.44Y	124.1	-0.00	1.93	7.24	1	38	-38	-70					0	0	0	1
		C		7.39Y	123.2	0.00	2.78	8.51	1	52	-35	-83					0	0	0	2
PL.31893	PL.31892	A	336ACSR	7.58Y	126.3	-0.00	-0.29	9.30	1	60	-37	-85	0.00	0.0	3.929	0.070	0	0	0	5
		B		7.44Y	124.1	-0.00	1.93	7.24	1	38	-38	-70					0	0	0	1
		C		7.39Y	123.2	-0.00	2.78	7.22	1	38	-38	-71					0	0	0	1
CP.35	PL.31893	A	Cap (150)	7.58Y	126.3	0.00	-0.29	-7.31	0	0	-55	0	0.00	0.0	3.929	0.000	0	0	0	0
P		B		7.44Y	124.1	0.00	1.93	-7.18	0	0	-53	0					0	0	0	0 P
P		C		7.39Y	123.2	0.00	2.78	-7.13	0	0	-53	0					0	0	0	0 P
PL.28054	PL.31893	A	336ACSR	7.58Y	126.3	0.01	-0.29	8.32	1	60	19	95	0.00	0.0	4.000	0.071	0	0	0	5
		B		7.44Y	124.1	0.00	1.93	5.48	1	38	15	93					0	0	0	1
		C		7.39Y	123.2	0.00	2.79	5.52	1	38	15	93					0	0	0	1
PL.15835	PL.28054	A	336ACSR	7.58Y	126.3	0.00	-0.29	5.39	1	38	15	93	0.00	0.0	4.005	0.005	0	0	0	0
		B		7.44Y	124.1	0.00	1.93	5.48	1	38	15	93					0	0	0	0
		C		7.39Y	123.2	0.00	2.79	5.52	1	38	15	93					0	0	0	0
C PD.3202	PL.15835	A	fuse6AMP	7.58Y	126.3	0.00	-0.29	5.39	92	38	15	93	0.00	0.0	4.005	0.000	0	0	0	0 C
C		B		7.44Y	124.1	0.00	1.93	5.48	94	38	15	93					0	0	0	0 C
C		C		7.39Y	123.2	0.00	2.79	5.52	94	38	15	93					0	0	0	0 C
PL.20766	PD.3202	A	336ACSR	7.58Y	126.3	0.00	-0.29	5.39	1	38	15	93	0.00	0.0	4.097	0.092	0	0	0	0
		B		7.44Y	124.1	0.00	1.93	5.48	1	38	15	93					0	0	0	0
		C		7.39Y	123.2	0.00	2.79	5.52	1	38	15	93					0	0	0	0
071762	PL.20766	A	Consumer	7.58Y	126.3	0.00	-0.29	5.39	0	38	15	93	0.00	0.0	4.097	0.000	38	15	0	0
		B		7.44Y	124.1	0.00	1.93	5.48	0	38	15	93					38	15	0	0
		C		7.39Y	123.2	0.00	2.79	5.52	0	38	15	93					38	15	0	0
PL.20767	PL.20766	A	336ACSR	7.58Y	126.3	0.00	-0.29	0.00	0	0	0	100	0.00	0.0	4.141	0.044	0	0	0	0
		B		7.44Y	124.1	0.00	1.93	0.00	0	0	0	100					0	0	0	0
		C		7.39Y	123.2	0.00	2.79	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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.21374	PL.28054	A	4ACSR	7.58Y	126.3	0.01	-0.28	2.98	2	22	4	98	0.00	0.0	4.089	0.089	0	0	0	4
		B		7.44Y	124.1	-0.00	1.93	0.00	0	0	0	100					0	0	0	0
		C		7.39Y	123.2	0.00	2.79	0.00	0	0	0	100					0	0	0	0
PL.15126	PL.21374	A	4ACSR	7.58Y	126.3	0.00	-0.28	2.98	2	22	4	98	0.00	0.0	4.095	0.006	0	0	0	4
		B		7.44Y	124.1	-0.00	1.93	0.00	0	0	0	100					0	0	0	0
		C		7.39Y	123.2	0.00	2.79	0.00	0	0	0	100					0	0	0	0
PD.3200	PL.15126	A	fuse6AMP	7.58Y	126.3	0.00	-0.28	2.98	51	22	4	98	0.00	0.0	4.095	0.000	0	0	0	4
		B		7.44Y	124.1	0.00	1.93	0.00	0	0	0	100					0	0	0	0
		C		7.39Y	123.2	0.00	2.79	0.00	0	0	0	100					0	0	0	0
PL.15832	PD.3200	A	4ACSR	7.58Y	126.3	0.00	-0.27	2.98	2	22	4	98	0.00	0.0	4.131	0.036	0	0	0	4
071761	PL.15832	A	Consumer	7.58Y	126.3	0.00	-0.27	0.56	0	4	1	97	0.00	0.0	4.131	0.000	4	1	1	1
PL.7911	PL.15832	A	4ACSR	7.58Y	126.3	0.01	-0.26	2.42	1	18	3	99	0.00	0.0	4.209	0.078	0	0	0	3
071676	PL.7911	A	Consumer	7.58Y	126.3	0.00	-0.26	0.00	0	0	0	100	0.00	0.0	4.209	0.000	0	0	0	0
PL.8071	PL.7911	A	4ACSR	7.58Y	126.3	0.01	-0.26	2.42	1	18	3	99	0.00	0.0	4.259	0.050	0	0	0	3
071678	PL.8071	A	Consumer	7.58Y	126.3	0.00	-0.26	0.53	0	4	1	97	0.00	0.0	4.259	0.000	4	1	1	1
071677	PL.8071	A	Consumer	7.58Y	126.3	0.00	-0.26	1.38	0	10	2	98	0.00	0.0	4.259	0.000	10	2	1	1
071653	PL.8071	A	Consumer	7.58Y	126.3	0.00	-0.26	0.51	0	4	1	97	0.00	0.0	4.259	0.000	4	1	1	1
071757	PL.21374	A	Consumer	7.58Y	126.3	0.00	-0.28	0.00	0	0	0	100	0.00	0.0	4.089	0.000	0	0	0	0
		B		7.44Y	124.1	0.00	1.93	0.00	0	0	0	100					0	0	0	0
		C		7.39Y	123.2	0.00	2.79	0.00	0	0	0	100					0	0	0	0
PL.15125	PL.21374	A	4ACSR	7.58Y	126.3	0.00	-0.28	0.00	0	0	0	100	0.00	0.0	4.096	0.007	0	0	0	0
		B		7.44Y	124.1	0.00	1.93	0.00	0	0	0	100					0	0	0	0
		C		7.39Y	123.2	0.00	2.79	0.00	0	0	0	100					0	0	0	0
PD.3199-B	PL.15125	C	Open	7.39Y	123.2	0.00	2.79	0.00	0	0	0	100	0.00	0.0	4.096	0.000	0	0	0	0
PL.31891	PL.31892	C	4ACSR	7.39Y	123.2	0.00	2.78	1.94	1	14	2	99	0.00	0.0	3.875	0.016	0	0	0	1
0716096	PL.31891	C	Consumer	7.39Y	123.2	0.00	2.78	1.94	0	14	2	99	0.00	0.0	3.875	0.000	14	2	1	1
071665	PL.13455	B	Consumer	7.44Y	124.1	0.00	1.93	1.06	0	8	1	99	0.00	0.0	3.817	0.000	8	1	1	1
071680	PL.13455	B	Consumer	7.44Y	124.1	0.00	1.93	0.79	0	6	1	99	0.00	0.0	3.817	0.000	6	1	1	1
071602	PL.40779	B	Consumer	7.44Y	124.1	0.00	1.94	0.39	0	3	0	100	0.00	0.0	3.761	0.000	3	0	1	1
0716098	PL.40779	B	Consumer	7.44Y	124.1	0.00	1.94	0.00	0	0	0	100	0.00	0.0	3.761	0.000	0	0	1	1
PL.20114	PL.13453	B	2ACSR	7.44Y	124.1	0.00	1.94	5.77	2	43	6	99	0.01	0.0	3.663	0.006	0	0	0	9
		C		7.39Y	123.2	0.00	2.79	24.38	10	178	27	99					0	0	0	34
PD.3619	PL.20114	B	25L	7.44Y	124.1	0.00	1.94	5.77	23	43	6	99	0.00	0.0	3.663	0.000	0	0	0	9
C		C		7.39Y	123.2	0.00	2.79	24.38	98	178	27	99					0	0	0	34 C
PL.20115	PD.3619	B	2ACSR	7.44Y	124.0	0.03	1.97	5.77	2	43	6	99	0.11	0.1	3.780	0.116	0	0	0	9
		C		7.39Y	123.1	0.08	2.87	24.38	10	178	27	99					0	0	0	34
PL.13456	PL.20115	B	1/0EPRJCN	7.44Y	124.0	-0.00	1.97	2.10	1	16	1	100	0.12	0.1	3.953	0.173	0	0	0	4
		C		7.38Y	123.1	0.08	2.95	24.38	13	178	27	99					0	0	0	34
PL.7910	PL.13456	C	4ACSR	7.38Y	123.0	0.01	2.96	6.88	4	50	8	99	0.00	0.0	3.973	0.020	0	0	0	8
PL.19459	PL.7910	C	4ACSR	7.38Y	123.0	0.02	2.97	4.31	2	31	5	99	0.00	0.0	4.057	0.084	0	0	0	5
071674	PL.19459	C	Consumer	7.38Y	123.0	0.00	2.97	0.55	0	4	1	97	0.00	0.0	4.057	0.000	4	1	1	1
PL.19460	PL.19459	C	4ACSR	7.38Y	123.0	0.01	2.98	3.76	2	27	4	99	0.00	0.0	4.137	0.079	0	0	0	4
PL.25199	PL.19460	C	4ACSR	7.38Y	123.0	0.00	2.99	1.34	1	10	2	98	0.00	0.0	4.167	0.031	0	0	0	2
071764	PL.25199	C	Consumer	7.38Y	123.0	0.00	2.99	0.80	0	6	1	99	0.00	0.0	4.167	0.000	6	1	1	1
071766	PL.25199	C	Consumer	7.38Y	123.0	0.00	2.99	0.54	0	4	1	97	0.00	0.0	4.167	0.000	4	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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.15124	PL.25199	C	4ACSR	7.38Y	123.0	0.00	2.99	0.00	0	0	0	100	0.00	0.0	4.209	0.041	0	0	0	0
PD.3199-A	PL.15124	C	Open	7.38Y	123.0	0.00	2.99	0.00	0	0	0	100	0.00	0.0	4.209	0.000	0	0	0	0
071769	PL.19460	C	Consumer	7.38Y	123.0	0.00	2.98	1.59	0	12	2	99	0.00	0.0	4.137	0.000	12	2	1	1
071626	PL.19460	C	Consumer	7.38Y	123.0	0.00	2.98	0.83	0	6	1	99	0.00	0.0	4.137	0.000	6	1	1	1
071667	PL.7910	C	Consumer	7.38Y	123.0	0.00	2.96	0.43	0	3	1	95	0.00	0.0	3.973	0.000	3	1	1	1
0716095	PL.7910	C	Consumer	7.38Y	123.0	0.00	2.96	1.28	0	9	1	99	0.00	0.0	3.973	0.000	9	1	1	1
071688	PL.7910	C	Consumer	7.38Y	123.0	0.00	2.96	0.86	0	6	1	99	0.00	0.0	3.973	0.000	6	1	1	1
PL.13459	PL.13456	B	1/0EPRJCN	7.44Y	124.0	0.00	1.97	2.11	1	16	2	99	0.02	0.0	4.001	0.047	0	0	0	4
		C		7.38Y	123.0	0.02	2.97	17.52	9	128	20	99					0	0	0	26
PL.13460	PL.13459	B	2ACSR	7.44Y	124.0	0.02	1.98	2.12	1	16	2	99	0.06	0.0	4.121	0.120	0	0	0	3
		C		7.38Y	123.0	0.06	3.03	17.53	7	128	20	99					0	0	0	26
PL.4592	PL.13460	C	1/0EPRJCN	7.38Y	123.0	0.00	3.03	3.04	2	22	3	99	0.00	0.0	4.174	0.053	0	0	0	3
070642	PL.4592	C	Consumer	7.38Y	123.0	0.00	3.03	0.06	0	0	0	100	0.00	0.0	4.174	0.000	0	0	1	1
PL.38649	PL.4592	C	1/0EPRJCN	7.38Y	123.0	0.00	3.03	2.98	2	22	3	99	0.00	0.0	4.248	0.074	0	0	0	2
PL.38651	PL.38649	C	2ACSR	7.38Y	123.0	0.01	3.05	2.99	1	22	3	99	0.00	0.0	4.369	0.120	0	0	0	2
PL.45960	PL.38651	C	2ACSR	7.38Y	123.0	0.00	3.05	0.00	0	0	0	100	0.00	0.0	4.418	0.049	0	0	0	0
0706065	PL.45960	C	Consumer	7.38Y	123.0	0.00	3.05	0.00	0	0	0	100	0.00	0.0	4.418	0.000	0	0	0	0
PL.45961	PL.45960	C	2ACSR	7.38Y	123.0	0.00	3.05	0.00	0	0	0	100	0.00	0.0	4.419	0.002	0	0	0	0
PL.45968	PL.45961	C	2ACSR	7.38Y	123.0	0.00	3.05	0.00	0	0	0	100	0.00	0.0	4.465	0.046	0	0	0	0
0706057	PL.38651	C	Consumer	7.38Y	123.0	0.00	3.05	0.86	0	6	1	99	0.00	0.0	4.369	0.000	6	1	1	1
0706054	PL.38651	C	Consumer	7.38Y	123.0	0.00	3.05	2.12	0	15	2	99	0.00	0.0	4.369	0.000	15	2	1	1
071666	PL.13460	B	Consumer	7.44Y	124.0	0.00	1.98	0.76	0	6	1	99	0.00	0.0	4.121	0.000	6	1	1	1
PL.15122	PL.13460	C	4ACSR	7.38Y	123.0	0.00	3.03	14.49	7	106	17	99	0.00	0.0	4.127	0.005	0	0	0	23
PD.200-A	PL.15122	C	Closed	7.38Y	123.0	0.00	3.03	14.49	0	106	17	99	0.00	0.0	4.127	0.000	0	0	0	23
PD.200-B	PD.200-A	C	Closed	7.38Y	123.0	0.00	3.03	14.49	0	106	17	99	0.00	0.0	4.127	0.000	0	0	0	23
PL.15123	PD.200-B	C	4ACSR	7.37Y	122.8	0.15	3.18	14.49	7	106	17	99	0.12	0.1	4.366	0.240	0	0	0	23
PL.34656	PL.15123	C	4ACSR	7.37Y	122.8	0.00	3.18	14.49	7	105	17	99	0.00	0.0	4.372	0.005	0	0	0	23
PD.4909-A	PL.34656	C	Closed	7.37Y	122.8	0.00	3.18	14.49	0	105	17	99	0.00	0.0	4.372	0.000	0	0	0	23
PD.4909-B	PD.4909-A	C	Closed	7.37Y	122.8	0.00	3.18	14.49	0	105	17	99	0.00	0.0	4.372	0.000	0	0	0	23
PL.43510	PD.4909-B	C	4ACSR	7.37Y	122.8	0.00	3.19	14.49	7	105	17	99	0.00	0.0	4.375	0.004	0	0	0	23
PL.45297	PL.43510	C	4ACSR	7.36Y	122.7	0.09	3.28	14.49	7	105	17	99	0.08	0.1	4.526	0.151	0	0	0	23
PL.45298	PL.45297	C	4ACSR	7.36Y	122.7	0.04	3.32	14.49	7	105	17	99	0.03	0.0	4.591	0.065	0	0	0	23
PL.19870	PL.45298	C	4ACSR	7.35Y	122.6	0.13	3.45	13.55	7	98	16	99	0.10	0.1	4.809	0.217	0	0	0	22
PL.19871	PL.19870	C	4ACSR	7.35Y	122.5	0.02	3.47	11.73	6	85	14	99	0.01	0.0	4.845	0.036	0	0	0	17
PL.34648	PL.19871	C	4ACSR	7.35Y	122.5	0.00	3.47	2.10	1	15	2	99	0.00	0.0	4.856	0.011	0	0	0	2
PD.4905	PL.34648	C	fuse6AMP	7.35Y	122.5	0.00	3.47	2.10	36	15	2	99	0.00	0.0	4.856	0.000	0	0	0	2
PL.34649	PD.4905	C	4ACSR	7.35Y	122.5	0.00	3.47	2.10	1	15	2	99	0.00	0.0	4.899	0.044	0	0	0	2
PL.4328	PL.34649	C	4ACSR	7.35Y	122.5	0.00	3.47	0.37	0	3	0	100	0.00	0.0	4.925	0.026	0	0	0	1
070646	PL.4328	C	Consumer	7.35Y	122.5	0.00	3.47	0.37	0	3	0	100	0.00	0.0	4.925	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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
070605	PL.34649	C	Consumer	7.35Y	122.5	0.00	3.47	1.73	0	13	2	99	0.00	0.0	4.899	0.000	13	2	1	1
PL.7620	PL.19871	C	4ACSR	7.35Y	122.5	0.03	3.49	9.63	5	70	11	99	0.01	0.0	4.912	0.067	0	0	0	15
070621	PL.7620	C	Consumer	7.35Y	122.5	0.00	3.49	0.24	0	2	0	100	0.00	0.0	4.912	0.000	2	0	1	1
PL.41329	PL.7620	C	2ACSR	7.35Y	122.5	0.00	3.49	0.00	0	0	0	100	0.00	0.0	4.918	0.006	0	0	0	1
PD.7394	PL.41329	C	fuse6AMP	7.35Y	122.5	0.00	3.49	0.00	0	0	0	100	0.00	0.0	4.918	0.000	0	0	0	1
PL.41330	PD.7394	C	2ACSR	7.35Y	122.5	0.00	3.49	0.00	0	0	0	100	0.00	0.0	4.983	0.064	0	0	0	1
0706062	PL.41330	C	Consumer	7.35Y	122.5	0.00	3.49	0.00	0	0	0	100	0.00	0.0	4.983	0.000	0	0	1	1
0706061	PL.41330	C	Consumer	7.35Y	122.5	0.00	3.49	0.00	0	0	0	100	0.00	0.0	4.983	0.000	0	0	0	0
PL.8089	PL.7620	C	4ACSR	7.35Y	122.4	0.07	3.56	9.39	5	68	11	99	0.04	0.1	5.079	0.167	0	0	0	13
070620	PL.8089	C	Consumer	7.35Y	122.4	0.00	3.56	0.72	0	5	1	98	0.00	0.0	5.079	0.000	5	1	1	1
PL.38653	PL.8089	C	4ACSR	7.35Y	122.4	0.01	3.58	8.68	4	63	10	99	0.01	0.0	5.116	0.037	0	0	0	12
PL.38654	PL.38653	C	4ACSR	7.34Y	122.4	0.02	3.59	7.69	4	56	9	99	0.01	0.0	5.168	0.052	0	0	0	11
PL.8084	PL.38654	C	4ACSR	7.34Y	122.4	0.01	3.60	6.95	4	50	8	99	0.00	0.0	5.185	0.017	0	0	0	10
070628	PL.8084	C	Consumer	7.34Y	122.4	0.00	3.60	0.52	0	4	1	97	0.00	0.0	5.185	0.000	4	1	1	1
PL.8083	PL.8084	C	4ACSR	7.34Y	122.4	0.01	3.60	6.43	3	47	7	99	0.00	0.0	5.204	0.019	0	0	0	9
PL.15102	PL.8083	C	4ACSR	7.34Y	122.4	0.00	3.60	0.00	0	0	0	100	0.00	0.0	5.210	0.006	0	0	0	0
PD.203-B	PL.15102	C	Open	7.34Y	122.4	0.00	3.60	0.00	0	0	0	100	0.00	0.0	5.210	0.000	0	0	0	0
PL.45626	PL.8083	C	4ACSR	7.34Y	122.4	0.00	3.60	0.00	0	0	0	100	0.00	0.0	5.411	0.206	0	0	0	0
PL.46018	PL.45626	C	4ACSR	7.34Y	122.4	0.00	3.60	0.00	0	0	0	100	0.00	0.0	5.661	0.251	0	0	0	0
PL.45623	PL.46018	C	4ACSR	7.34Y	122.4	0.00	3.60	0.00	0	0	0	100	0.00	0.0	5.753	0.092	0	0	0	0
PL.45622	PL.45623	C	4ACSR	7.34Y	122.4	0.00	3.60	0.00	0	0	0	100	0.00	0.0	5.842	0.089	0	0	0	0
0196009	PL.45622	C	Consumer	7.34Y	122.4	0.00	3.60	0.00	0	0	0	100	0.00	0.0	5.842	0.000	0	0	0	0
PL.45625	PL.45622	C	4ACSR	7.34Y	122.4	0.00	3.60	0.00	0	0	0	100	0.00	0.0	5.923	0.081	0	0	0	0
PL.45624	PL.45625	C	4ACSR	7.34Y	122.4	0.00	3.60	0.00	0	0	0	100	0.00	0.0	6.111	0.188	0	0	0	0
PL.45628	PL.45624	C	4ACSR	7.34Y	122.4	0.00	3.60	0.00	0	0	0	100	0.00	0.0	6.214	0.103	0	0	0	0
PL.45629	PL.45628	C	4ACSR	7.34Y	122.4	0.00	3.60	0.00	0	0	0	100	0.00	0.0	6.497	0.282	0	0	0	0
PL.45633	PL.45629	C	4ACSR	7.34Y	122.4	0.00	3.60	0.00	0	0	0	100	0.00	0.0	6.575	0.078	0	0	0	0
PL.45634	PL.45633	C	4ACSR	7.34Y	122.4	0.00	3.60	0.00	0	0	0	100	0.00	0.0	6.670	0.095	0	0	0	0
0186006	PL.45634	C	Consumer	7.34Y	122.4	0.00	3.60	0.00	0	0	0	100	0.00	0.0	6.670	0.000	0	0	0	0
0196010	PL.45633	C	Consumer	7.34Y	122.4	0.00	3.60	0.00	0	0	0	100	0.00	0.0	6.575	0.000	0	0	0	0
PL.45630	PL.45628	C	4ACSR	7.34Y	122.4	0.00	3.60	0.00	0	0	0	100	0.00	0.0	6.441	0.226	0	0	0	0
PL.45631	PL.45630	C	4ACSR	7.34Y	122.4	0.00	3.60	0.00	0	0	0	100	0.00	0.0	6.507	0.066	0	0	0	0
25184	PL.45631	C	Consumer	7.34Y	122.4	0.00	3.60	0.00	0	0	0	100	0.00	0.0	6.507	0.000	0	0	0	0
PL.45632	PL.45630	C	4ACSR	7.34Y	122.4	0.00	3.60	0.00	0	0	0	100	0.00	0.0	6.565	0.124	0	0	0	0
PL.45627	PL.45625	C	4ACSR	7.34Y	122.4	0.00	3.60	0.00	0	0	0	100	0.00	0.0	6.346	0.423	0	0	0	0
0186005	PL.45627	C	Consumer	7.34Y	122.4	0.00	3.60	0.00	0	0	0	100	0.00	0.0	6.346	0.000	0	0	0	0
PL.45619	PL.45623	C	4ACSR	7.34Y	122.4	0.00	3.60	0.00	0	0	0	100	0.00	0.0	5.791	0.037	0	0	0	0
0196008	PL.45619	C	Consumer	7.34Y	122.4	0.00	3.60	0.00	0	0	0	100	0.00	0.0	5.791	0.000	0	0	0	0

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.45620	PL.46018	C	4ACSR	7.34Y	122.4	0.00	3.60	0.00	0	0	0	100	0.00	0.0	5.692	0.031	0	0	0	0
0196007	PL.45620	C	Consumer	7.34Y	122.4	0.00	3.60	0.00	0	0	0	100	0.00	0.0	5.692	0.000	0	0	0	0
PL.4604	PL.8083	C	4ACSR	7.34Y	122.4	0.01	3.61	5.96	3	43	7	99	0.00	0.0	5.249	0.044	0	0	0	7
PL.34650	PL.4604	C	4ACSR	7.34Y	122.4	0.00	3.62	5.96	3	43	7	99	0.00	0.0	5.255	0.007	0	0	0	7
C PD.4906	PL.34650	C	fuse6AMP	7.34Y	122.4	0.00	3.62	5.96	102	43	7	99	0.00	0.0	5.255	0.000	0	0	0	7 C
PL.34651	PD.4906	C	4ACSR	7.34Y	122.4	0.02	3.63	5.96	3	43	7	99	0.01	0.0	5.323	0.067	0	0	0	7
PL.13463	PL.34651	C	4ACSR	7.34Y	122.4	0.00	3.64	4.62	2	33	5	99	0.00	0.0	5.345	0.023	0	0	0	6
070627	PL.13463	C	Consumer	7.34Y	122.4	0.00	3.64	1.02	0	7	1	99	0.00	0.0	5.345	0.000	7	1	1	1
PL.13464	PL.13463	C	4ACSR	7.34Y	122.4	0.00	3.64	3.01	2	22	4	98	0.00	0.0	5.376	0.030	0	0	0	4
PL.4511	PL.13464	C	4ACSR	7.34Y	122.4	0.01	3.65	1.23	1	9	1	99	0.00	0.0	5.478	0.102	0	0	0	1
070653	PL.4511	C	Consumer	7.34Y	122.4	0.00	3.65	1.23	0	9	1	99	0.00	0.0	5.478	0.000	9	1	1	1
PL.13465	PL.13464	C	4ACSR	7.34Y	122.4	0.00	3.64	1.79	1	13	2	99	0.00	0.0	5.389	0.013	0	0	0	3
070645	PL.13465	C	Consumer	7.34Y	122.4	0.00	3.64	0.58	0	4	1	97	0.00	0.0	5.389	0.000	4	1	1	1
PL.4603	PL.13465	C	4ACSR	7.34Y	122.4	0.00	3.65	1.21	1	9	1	99	0.00	0.0	5.442	0.053	0	0	0	2
PL.4601	PL.4603	C	4ACSR	7.34Y	122.4	0.00	3.65	0.44	0	3	1	95	0.00	0.0	5.481	0.039	0	0	0	1
070629	PL.4601	C	Consumer	7.34Y	122.4	0.00	3.65	0.44	0	3	1	95	0.00	0.0	5.481	0.000	3	1	1	1
070636	PL.4603	C	Consumer	7.34Y	122.4	0.00	3.65	0.77	0	6	1	99	0.00	0.0	5.442	0.000	6	1	1	1
PL.4602	PL.13463	C	4ACSR	7.34Y	122.4	0.00	3.64	0.59	0	4	1	97	0.00	0.0	5.384	0.038	0	0	0	1
070639	PL.4602	C	Consumer	7.34Y	122.4	0.00	3.64	0.59	0	4	1	97	0.00	0.0	5.384	0.000	4	1	1	1
070632	PL.34651	C	Consumer	7.34Y	122.4	0.00	3.63	1.34	0	10	2	98	0.00	0.0	5.323	0.000	10	2	1	1
070640	PL.8083	C	Consumer	7.34Y	122.4	0.00	3.60	0.02	0	0	0	100	0.00	0.0	5.204	0.000	0	0	1	1
070626	PL.8083	C	Consumer	7.34Y	122.4	0.00	3.60	0.45	0	3	1	95	0.00	0.0	5.204	0.000	3	1	1	1
070623	PL.38654	C	Consumer	7.34Y	122.4	0.00	3.59	0.74	0	5	1	98	0.00	0.0	5.168	0.000	5	1	1	1
0706058	PL.38653	C	Consumer	7.35Y	122.4	0.00	3.58	0.98	0	7	1	99	0.00	0.0	5.116	0.000	7	1	1	1
070649	PL.19870	C	Consumer	7.35Y	122.6	0.00	3.45	1.15	0	8	1	99	0.00	0.0	4.809	0.000	8	1	1	1
070637	PL.19870	C	Consumer	7.35Y	122.6	0.00	3.45	0.40	0	3	0	100	0.00	0.0	4.809	0.000	3	0	1	1
070638	PL.19870	C	Consumer	7.35Y	122.6	0.00	3.45	0.00	0	0	0	100	0.00	0.0	4.809	0.000	0	0	1	1
070635	PL.19870	C	Consumer	7.35Y	122.6	0.00	3.45	0.05	0	0	0	100	0.00	0.0	4.809	0.000	0	0	1	1
070633	PL.19870	C	Consumer	7.35Y	122.6	0.00	3.45	0.22	0	2	0	100	0.00	0.0	4.809	0.000	2	0	1	1
PL.4334	PL.45298	C	4ACSR	7.36Y	122.7	0.00	3.32	0.94	0	7	1	99	0.00	0.0	4.655	0.064	0	0	0	1
070651	PL.4334	C	Consumer	7.36Y	122.7	0.00	3.32	0.94	0	7	1	99	0.00	0.0	4.655	0.000	7	1	1	1
0706063	PL.45297	C	Consumer	7.36Y	122.7	0.00	3.28	0.00	0	0	0	100	0.00	0.0	4.526	0.000	0	0	0	0
PL.43509	PL.43510	C	4ACSR	7.37Y	122.8	0.00	3.19	0.00	0	0	0	100	0.00	0.0	4.442	0.067	0	0	0	0
0707025	PL.43509	C	Consumer	7.37Y	122.8	0.00	3.19	0.00	0	0	0	100	0.00	0.0	4.442	0.000	0	0	0	0
PL.15120	PL.15123	C	4ACSR	7.37Y	122.8	0.00	3.18	0.00	0	0	0	100	0.00	0.0	4.372	0.006	0	0	0	0
PL.15121	PL.15120	C	4ACSR	7.37Y	122.8	0.00	3.18	0.00	0	0	0	100	0.00	0.0	4.457	0.084	0	0	0	0
070723	PL.15121	C	Consumer	7.37Y	122.8	0.00	3.18	0.00	0	0	0	100	0.00	0.0	4.457	0.000	0	0	0	0
PL.31446	PL.15121	C	4ACSR	7.37Y	122.8	0.00	3.18	0.00	0	0	0	100	0.00	0.0	4.510	0.053	0	0	0	0

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.31447	PL.31446	C	4ACSR	7.37Y	122.8	0.00	3.18	0.00	0	0	0	100	0.00	0.0	4.578	0.068	0	0	0	0
0707024	PL.31446	C	Consumer	7.37Y	122.8	0.00	3.18	0.00	0	0	0	100	0.00	0.0	4.510	0.000	0	0	0	0
PL.4591	PL.13460	B	4ACSR	7.44Y	124.0	0.00	1.99	1.36	1	10	2	98	0.00	0.0	4.186	0.065	0	0	0	2
071669	PL.4591	B	Consumer	7.44Y	124.0	0.00	1.99	0.60	0	4	1	97	0.00	0.0	4.186	0.000	4	1	1	1
PL.4593	PL.4591	B	4ACSR	7.44Y	124.0	0.00	1.99	0.75	0	6	1	99	0.00	0.0	4.262	0.077	0	0	0	1
PL.4594	PL.4593	B	4ACSR	7.44Y	124.0	0.00	1.99	0.00	0	0	0	100	0.00	0.0	4.323	0.060	0	0	0	0
071738	PL.4593	B	Consumer	7.44Y	124.0	0.00	1.99	0.75	0	6	1	99	0.00	0.0	4.262	0.000	6	1	1	1
PL.7615	PL.13459	B	4ACSR	7.44Y	124.0	0.00	1.97	0.00	0	0	0	100	0.00	0.0	4.060	0.059	0	0	0	1
PL.8075	PL.7615	B	4ACSR	7.44Y	124.0	0.00	1.97	0.00	0	0	0	100	0.00	0.0	4.120	0.059	0	0	0	1
070648	PL.8075	B	Consumer	7.44Y	124.0	0.00	1.97	0.00	0	0	0	100	0.00	0.0	4.120	0.000	0	0	0	0
071690	PL.8075	B	Consumer	7.44Y	124.0	0.00	1.97	0.00	0	0	0	100	0.00	0.0	4.120	0.000	0	0	1	1
071671	PL.13459	B	Consumer	7.44Y	124.0	0.00	1.97	0.00	0	0	0	100	0.00	0.0	4.001	0.000	0	0	0	0
PL.13457	PL.20115	B	4ACSR	7.44Y	124.0	0.01	1.98	3.67	2	27	4	99	0.00	0.0	3.837	0.057	0	0	0	5
071664	PL.13457	B	Consumer	7.44Y	124.0	0.00	1.98	1.07	0	8	1	99	0.00	0.0	3.837	0.000	8	1	1	1
071679	PL.13457	B	Consumer	7.44Y	124.0	0.00	1.98	0.44	0	3	1	95	0.00	0.0	3.837	0.000	3	1	1	1
PL.13458	PL.13457	B	4ACSR	7.44Y	124.0	0.00	1.98	2.17	1	16	3	98	0.00	0.0	3.864	0.027	0	0	0	3
071675	PL.13458	B	Consumer	7.44Y	124.0	0.00	1.98	0.60	0	4	1	97	0.00	0.0	3.864	0.000	4	1	1	1
PL.7617	PL.13458	B	4ACSR	7.44Y	124.0	0.00	1.98	1.57	1	12	2	99	0.00	0.0	3.864	0.000	0	0	0	2
PL.8090	PL.7617	B	4ACSR	7.44Y	124.0	0.00	1.98	1.57	1	12	2	99	0.00	0.0	3.899	0.034	0	0	0	2
PL.7613	PL.8090	B	4ACSR	7.44Y	124.0	0.00	1.98	1.06	1	8	1	99	0.00	0.0	3.931	0.033	0	0	0	1
071673	PL.7613	B	Consumer	7.44Y	124.0	0.00	1.98	1.06	0	8	1	99	0.00	0.0	3.931	0.000	8	1	1	1
071668	PL.8090	B	Consumer	7.44Y	124.0	0.00	1.98	0.52	0	4	1	97	0.00	0.0	3.899	0.000	4	1	1	1
PL.4585	PL.13457	B	4ACSR	7.44Y	124.0	0.00	1.98	0.00	0	0	0	100	0.00	0.0	3.879	0.042	0	0	0	0
PL.15833	PL.13452	C	4ACSR	7.39Y	123.2	0.00	2.78	2.04	1	15	4	97	0.00	0.0	3.604	0.006	0	0	0	2
PD.3215	PL.15833	C	fuse6AMP	7.39Y	123.2	0.00	2.78	2.04	35	15	4	97	0.00	0.0	3.604	0.000	0	0	0	2
PL.15834	PD.3215	C	4ACSR	7.39Y	123.2	0.00	2.78	2.04	1	15	4	97	0.00	0.0	3.621	0.017	0	0	0	2
071658	PL.15834	C	Consumer	7.39Y	123.2	0.00	2.78	1.31	0	10	2	98	0.00	0.0	3.621	0.000	10	2	1	1
071660	PL.15834	C	Consumer	7.39Y	123.2	0.00	2.78	0.75	0	5	2	93	0.00	0.0	3.621	0.000	5	2	1	1
071646	PL.375	A	Consumer	7.56Y	126.1	0.00	-0.08	0.00	0	0	0	100	0.00	0.0	2.826	0.000	0	0	1	1
509002	PL.24821	A	Consumer	7.56Y	126.0	0.00	-0.04	0.21	0	1	1	71	0.00	0.0	2.741	0.000	1	1	1	1
		B		7.45Y	124.2	0.00	1.75	0.21	0	1	1	90					1	1	1	1
509004	PL.5797	B	Consumer	7.46Y	124.3	0.00	1.73	0.16	0	1	1	71	0.00	0.0	2.713	0.000	1	1	1	1
5090006	PL.5797	B	Consumer	7.46Y	124.3	0.00	1.73	0.79	0	6	1	99	0.00	0.0	2.713	0.000	6	1	1	1
509005	PL.5797	B	Consumer	7.46Y	124.3	0.00	1.73	0.34	0	3	0	100	0.00	0.0	2.713	0.000	3	0	1	1
508004	PL.18325	A	Consumer	7.56Y	126.0	0.00	0.02	0.92	0	7	1	99	0.00	0.0	2.622	0.000	7	1	1	1
506901	PL.24826	B	Consumer	7.46Y	124.4	0.00	1.59	0.34	0	3	0	100	0.00	0.0	2.509	0.000	3	0	1	1
506902	PL.24826	B	Consumer	7.46Y	124.4	0.00	1.59	0.00	0	0	0	100	0.00	0.0	2.509	0.000	0	0	0	0
506801	PL.24826	B	Consumer	7.46Y	124.4	0.00	1.59	0.34	0	3	0	100	0.00	0.0	2.509	0.000	3	0	1	1
505803	PL.24825	C	Consumer	7.43Y	123.9	0.00	2.13	0.44	0	3	1	95	0.00	0.0	2.412	0.000	3	1	1	1

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.3218	PL.12691	A	4ACSR	7.54Y	125.7	0.00	0.29	0.28	0	2	0	100	0.00	0.0	2.150	0.141	0	0	0	1
PL.3219	PL.3218	A	4ACSR	7.54Y	125.7	0.00	0.29	0.28	0	2	0	100	0.00	0.0	2.211	0.061	0	0	0	1
501801	PL.3219	A	Consumer	7.54Y	125.7	0.00	0.29	0.28	0	2	0	100	0.00	0.0	2.211	0.000	2	0	1	1
PL.15117	PL.12691	A	4ACSR	7.54Y	125.7	0.00	0.29	0.82	0	6	1	99	0.00	0.0	2.015	0.006	0	0	0	1
PD.2803	PL.15117	A	fuse6AMP	7.54Y	125.7	0.00	0.29	0.82	14	6	1	99	0.00	0.0	2.015	0.000	0	0	0	1
PL.15118	PD.2803	A	4ACSR	7.54Y	125.7	0.00	0.29	0.82	0	6	1	99	0.00	0.0	2.118	0.104	0	0	0	1
5016005	PL.15118	A	Consumer	7.54Y	125.7	0.00	0.29	0.00	0	0	0	100	0.00	0.0	2.118	0.000	0	0	0	0
501601	PL.15118	A	Consumer	7.54Y	125.7	0.00	0.29	0.82	0	6	1	99	0.00	0.0	2.118	0.000	6	1	1	1
PL.15826	PL.12690	A	4ACSR	7.54Y	125.6	0.00	0.36	1.98	1	15	2	99	0.00	0.0	1.822	0.005	0	0	0	2
PD.2802	PL.15826	A	fuse6AMP	7.54Y	125.6	0.00	0.36	1.98	34	15	2	99	0.00	0.0	1.822	0.000	0	0	0	2
PL.15827	PD.2802	A	4ACSR	7.54Y	125.6	0.00	0.36	1.98	1	15	2	99	0.00	0.0	1.870	0.048	0	0	0	2
PL.25003	PL.15827	A	4ACSR	7.54Y	125.6	0.00	0.36	0.50	0	4	1	97	0.00	0.0	1.906	0.036	0	0	0	1
500401	PL.25003	A	Consumer	7.54Y	125.6	0.00	0.36	0.50	0	4	1	97	0.00	0.0	1.906	0.000	4	1	1	1
500501	PL.15827	A	Consumer	7.54Y	125.6	0.00	0.36	1.49	0	11	2	98	0.00	0.0	1.870	0.000	11	2	1	1
500502	PL.15827	A	Consumer	7.54Y	125.6	0.00	0.36	0.00	0	0	0	100	0.00	0.0	1.870	0.000	0	0	0	0
502401	PL.25001	A	Consumer	7.53Y	125.6	0.00	0.43	0.00	0	0	0	100	0.00	0.0	1.608	0.000	0	0	1	1
503406	PL.24830	B	Consumer	7.52Y	125.3	0.00	0.74	1.14	0	8	1	99	0.00	0.0	1.535	0.000	8	1	1	1
503404	PL.24830	B	Consumer	7.52Y	125.3	0.00	0.74	0.42	0	3	1	95	0.00	0.0	1.535	0.000	3	1	1	1
503306	PL.24830	B	Consumer	7.52Y	125.3	0.00	0.74	0.34	0	3	0	100	0.00	0.0	1.535	0.000	3	0	1	1
503403	PL.24830	B	Consumer	7.52Y	125.3	0.00	0.74	0.38	0	3	0	100	0.00	0.0	1.535	0.000	3	0	1	1
501201	PL.41187	A	Consumer	7.53Y	125.4	0.00	0.56	1.85	0	13	6	91	0.00	0.0	1.213	0.000	13	6	1	1
		C		7.50Y	125.0	0.00	1.05	1.85	0	13	6	90					13	6	1	1
500201	PL.12917	A	Consumer	7.52Y	125.4	0.00	0.60	0.44	0	3	1	95	0.00	0.0	1.069	0.000	3	1	1	1
019589	PL.17131	A	Consumer	7.53Y	125.5	0.00	0.55	0.06	0	0	0	100	0.00	0.0	0.898	0.000	0	0	1	1
PL.17989	PL.45429	C	4ACSR	7.53Y	125.5	0.00	0.55	12.50	6	93	15	99	0.00	0.0	0.546	0.008	0	0	0	23
PD.3371	PL.17989	C	70V4E	7.53Y	125.5	0.00	0.55	12.50	18	93	15	99	0.00	0.0	0.546	0.000	0	0	0	23
PL.17990	PD.3371	C	4ACSR	7.53Y	125.4	0.02	0.56	12.50	6	93	15	99	0.01	0.0	0.576	0.030	0	0	0	23
PL.12904	PL.17990	C	4ACSR	7.52Y	125.4	0.02	0.58	11.16	6	83	13	99	0.01	0.0	0.619	0.043	0	0	0	22
0194117	PL.12904	C	Consumer	7.52Y	125.4	0.00	0.58	1.20	0	9	1	99	0.00	0.0	0.619	0.000	9	1	1	1
019420	PL.12904	C	Consumer	7.52Y	125.4	0.00	0.58	0.21	0	2	0	100	0.00	0.0	0.619	0.000	2	0	1	1
PL.12905	PL.12904	C	4ACSR	7.52Y	125.4	0.03	0.61	9.74	5	72	12	99	0.02	0.0	0.690	0.071	0	0	0	20
PL.45376	PL.12905	C	4ACSR	7.52Y	125.4	0.00	0.62	9.74	5	72	12	99	0.00	0.0	0.695	0.004	0	0	0	20
PL.7740	PL.45376	C	4ACSR	7.52Y	125.4	0.00	0.62	9.74	5	72	12	99	0.00	0.0	0.698	0.004	0	0	0	20
PL.7741	PL.7740	C	4ACSR	7.52Y	125.4	0.01	0.63	8.27	4	61	10	99	0.01	0.0	0.732	0.033	0	0	0	19
620901	PL.7741	C	Consumer	7.52Y	125.4	0.00	0.63	0.43	0	3	1	95	0.00	0.0	0.732	0.000	3	1	1	1
PL.7742	PL.7741	C	4ACSR	7.52Y	125.3	0.05	0.68	7.84	4	58	9	99	0.02	0.0	0.865	0.133	0	0	0	18
PL.16216	PL.7742	C	4ACSR	7.52Y	125.3	0.00	0.68	1.78	1	13	2	99	0.00	0.0	0.871	0.006	0	0	0	4
PD.2921	PL.16216	C	fuse6AMP	7.52Y	125.3	0.00	0.68	1.78	30	13	2	99	0.00	0.0	0.871	0.000	0	0	0	4
PL.20065	PD.2921	C	4ACSR	7.52Y	125.3	0.00	0.68	1.78	1	13	2	99	0.00	0.0	0.926	0.055	0	0	0	4

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
621801	PL.20065	C	Consumer	7.52Y	125.3	0.00	0.68	0.82	0	6	1	99	0.00	0.0	0.926	0.000	6	1	1	1
621903	PL.20065	C	Consumer	7.52Y	125.3	0.00	0.68	0.31	0	2	0	100	0.00	0.0	0.926	0.000	2	0	1	1
PL.20135	PL.20065	C	4ACSR	7.52Y	125.3	0.00	0.68	0.65	0	5	1	98	0.00	0.0	1.042	0.116	0	0	0	2
PL.24341	PL.20135	C	4ACSR	7.52Y	125.3	0.00	0.68	0.37	0	3	0	100	0.00	0.0	1.122	0.080	0	0	0	1
PL.1682	PL.24341	C	4ACSR	7.52Y	125.3	0.00	0.69	0.37	0	3	0	100	0.00	0.0	1.250	0.128	0	0	0	1
0194110	PL.1682	C	Consumer	7.52Y	125.3	0.00	0.69	0.37	0	3	0	100	0.00	0.0	1.250	0.000	3	0	1	1
620801	PL.20135	C	Consumer	7.52Y	125.3	0.00	0.68	0.28	0	2	0	100	0.00	0.0	1.042	0.000	2	0	1	1
621901	PL.7742	C	Consumer	7.52Y	125.3	0.00	0.68	0.00	0	0	0	100	0.00	0.0	0.865	0.000	0	0	0	0
PL.6952	PL.7742	C	4ACSR	7.52Y	125.3	0.02	0.70	6.06	3	45	7	99	0.01	0.0	0.960	0.095	0	0	0	14
PL.6953	PL.6952	C	4ACSR	7.52Y	125.3	0.00	0.70	6.05	3	45	7	99	0.00	0.0	0.975	0.015	0	0	0	13
623902	PL.6953	C	Consumer	7.52Y	125.3	0.00	0.70	0.42	0	3	0	100	0.00	0.0	0.975	0.000	3	0	1	1
622902	PL.6953	C	Consumer	7.52Y	125.3	0.00	0.70	0.42	0	3	0	100	0.00	0.0	0.975	0.000	3	0	1	1
PL.7738	PL.6953	C	4ACSR	7.52Y	125.3	0.01	0.72	5.22	3	39	6	99	0.00	0.0	1.038	0.063	0	0	0	11
PL.12706	PL.7738	C	4ACSR	7.52Y	125.3	0.00	0.72	4.63	2	34	6	98	0.00	0.0	1.045	0.008	0	0	0	9
PL.16215	PL.12706	C	4ACSR	7.52Y	125.3	0.00	0.72	3.71	2	28	4	99	0.00	0.0	1.051	0.006	0	0	0	8
PL.28116	PL.16215	C	4ACSR	7.52Y	125.3	0.00	0.72	3.71	2	28	4	99	0.00	0.0	1.052	0.001	0	0	0	8
PD.2356-A	PL.28116	C	Closed	7.52Y	125.3	0.00	0.72	3.71	0	28	4	99	0.00	0.0	1.052	0.000	0	0	0	8
PD.2356-B	PD.2356-A	C	Closed	7.52Y	125.3	0.00	0.72	3.71	0	28	4	99	0.00	0.0	1.052	0.000	0	0	0	8
PL.28117	PD.2356-B	C	4ACSR	7.52Y	125.3	0.01	0.73	3.71	2	28	4	99	0.00	0.0	1.141	0.090	0	0	0	8
624905	PL.28117	C	Consumer	7.52Y	125.3	0.00	0.73	0.00	0	0	0	100	0.00	0.0	1.141	0.000	0	0	1	1
624903	PL.28117	C	Consumer	7.52Y	125.3	0.00	0.73	0.38	0	3	0	100	0.00	0.0	1.141	0.000	3	0	1	1
624904	PL.28117	C	Consumer	7.52Y	125.3	0.00	0.73	0.00	0	0	0	100	0.00	0.0	1.141	0.000	0	0	0	0
PL.12704	PL.28117	C	4ACSR	7.52Y	125.3	0.00	0.74	3.33	2	25	4	99	0.00	0.0	1.169	0.028	0	0	0	6
PL.12705	PL.12704	C	4ACSR	7.52Y	125.3	0.01	0.74	2.81	1	21	3	99	0.00	0.0	1.216	0.047	0	0	0	5
PL.12703	PL.12705	C	4ACSR	7.52Y	125.3	0.00	0.75	1.40	1	10	2	98	0.00	0.0	1.291	0.074	0	0	0	1
PL.16211	PL.12703	C	4ACSR	7.52Y	125.3	0.00	0.75	0.00	0	0	0	100	0.00	0.0	1.323	0.033	0	0	0	0
PD.2357-A	PL.16211	C	Open	7.52Y	125.3	0.00	0.75	0.00	0	0	0	100	0.00	0.0	1.323	0.000	0	0	0	0
PL.38917	PL.12703	C	4ACSR	7.52Y	125.3	0.00	0.75	1.40	1	10	2	98	0.00	0.0	1.292	0.002	0	0	0	1
PD.6768	PL.38917	C	fuse6AMP	7.52Y	125.3	0.00	0.75	1.40	24	10	2	98	0.00	0.0	1.292	0.000	0	0	0	1
PL.38918	PD.6768	C	4ACSR	7.51Y	125.2	0.00	0.75	1.40	1	10	2	98	0.00	0.0	1.354	0.062	0	0	0	1
625901	PL.38918	C	Consumer	7.51Y	125.2	0.00	0.75	1.40	0	10	2	98	0.00	0.0	1.354	0.000	10	2	1	1
626003	PL.12705	C	Consumer	7.52Y	125.3	0.00	0.74	0.00	0	0	0	100	0.00	0.0	1.216	0.000	0	0	0	0
626005	PL.12705	C	Consumer	7.52Y	125.3	0.00	0.74	0.00	0	0	0	100	0.00	0.0	1.216	0.000	0	0	0	0
626008	PL.12705	C	Consumer	7.52Y	125.3	0.00	0.74	0.33	0	2	0	100	0.00	0.0	1.216	0.000	2	0	1	1
626010	PL.12705	C	Consumer	7.52Y	125.3	0.00	0.74	0.42	0	3	0	100	0.00	0.0	1.216	0.000	3	0	1	1
626002	PL.12705	C	Consumer	7.52Y	125.3	0.00	0.74	0.21	0	2	0	100	0.00	0.0	1.216	0.000	2	0	1	1
625005	PL.12705	C	Consumer	7.52Y	125.3	0.00	0.74	0.00	0	0	0	100	0.00	0.0	1.216	0.000	0	0	0	0
626004	PL.12705	C	Consumer	7.52Y	125.3	0.00	0.74	0.46	0	3	1	95	0.00	0.0	1.216	0.000	3	1	1	1

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

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.38919	PL.12705	C	4ACSR	7.52Y	125.3	0.00	0.74	0.00	0	0	0	100	0.00	0.0	1.219	0.003	0	0	0	0
PD.6769	PL.38919	C	fuse6AMP	7.52Y	125.3	0.00	0.74	0.00	0	0	0	100	0.00	0.0	1.219	0.000	0	0	0	0
PL.38920	PD.6769	C	4ACSR	7.52Y	125.3	0.00	0.74	0.00	0	0	0	100	0.00	0.0	1.284	0.065	0	0	0	0
625003	PL.12704	C	Consumer	7.52Y	125.3	0.00	0.74	0.52	0	4	1	97	0.00	0.0	1.169	0.000	4	1	1	1
PL.16213	PL.12706	C	4ACSR	7.52Y	125.3	0.00	0.72	0.92	0	7	1	99	0.00	0.0	1.051	0.005	0	0	0	1
PD.2922	PL.16213	C	fuse6AMP	7.52Y	125.3	0.00	0.72	0.92	16	7	1	99	0.00	0.0	1.051	0.000	0	0	0	1
PL.16214	PD.2922	C	4ACSR	7.52Y	125.3	0.00	0.72	0.92	0	7	1	99	0.00	0.0	1.088	0.037	0	0	0	1
623907	PL.16214	C	Consumer	7.52Y	125.3	0.00	0.72	0.92	0	7	1	99	0.00	0.0	1.088	0.000	7	1	1	1
6239008	PL.16214	C	Consumer	7.52Y	125.3	0.00	0.72	0.00	0	0	0	100	0.00	0.0	1.088	0.000	0	0	0	0
623906	PL.7738	C	Consumer	7.52Y	125.3	0.00	0.72	0.00	0	0	0	100	0.00	0.0	1.038	0.000	0	0	0	0
6239009	PL.7738	C	Consumer	7.52Y	125.3	0.00	0.72	0.00	0	0	0	100	0.00	0.0	1.038	0.000	0	0	0	0
623903	PL.7738	C	Consumer	7.52Y	125.3	0.00	0.72	0.16	0	1	0	100	0.00	0.0	1.038	0.000	1	0	1	1
624901	PL.7738	C	Consumer	7.52Y	125.3	0.00	0.72	0.42	0	3	1	95	0.00	0.0	1.038	0.000	3	1	1	1
622903	PL.6952	C	Consumer	7.52Y	125.3	0.00	0.70	0.00	0	0	0	100	0.00	0.0	0.960	0.000	0	0	1	1
620903	PL.7740	C	Consumer	7.52Y	125.4	0.00	0.62	0.00	0	0	0	100	0.00	0.0	0.698	0.000	0	0	0	0
620902	PL.7740	C	Consumer	7.52Y	125.4	0.00	0.62	1.48	0	11	2	98	0.00	0.0	0.698	0.000	11	2	1	1
PL.38921	PL.12904	C	4ACSR	7.52Y	125.4	0.00	0.58	0.00	0	0	0	100	0.00	0.0	0.626	0.007	0	0	0	0
PD.6770	PL.38921	C	fuse6AMP	7.52Y	125.4	0.00	0.58	0.00	0	0	0	100	0.00	0.0	0.626	0.000	0	0	0	0
PL.38922	PD.6770	C	4ACSR	7.52Y	125.4	0.00	0.58	0.00	0	0	0	100	0.00	0.0	0.733	0.107	0	0	0	0
019455	PL.17990	C	Consumer	7.53Y	125.4	0.00	0.56	1.34	0	10	2	98	0.00	0.0	0.576	0.000	10	2	1	1
PL.17987	PL.45429	A	4ACSR	7.54Y	125.6	0.01	0.37	23.18	12	173	28	99	0.02	0.0	0.552	0.014	0	0	0	35
PD.3370	PL.17987	A	70V4E	7.54Y	125.6	0.00	0.37	23.18	33	173	28	99	0.00	0.0	0.552	0.000	0	0	0	35
PL.17988	PD.3370	A	4ACSR	7.54Y	125.6	0.04	0.41	23.18	12	173	28	99	0.05	0.0	0.591	0.039	0	0	0	35
019456	PL.17988	A	Consumer	7.54Y	125.6	0.00	0.41	1.33	0	10	2	98	0.00	0.0	0.591	0.000	10	2	1	1
0194101	PL.17988	A	Consumer	7.54Y	125.6	0.00	0.41	1.82	0	14	2	99	0.00	0.0	0.591	0.000	14	2	1	1
019444	PL.17988	A	Consumer	7.54Y	125.6	0.00	0.41	0.36	0	3	0	100	0.00	0.0	0.591	0.000	3	0	1	1
0194109	PL.17988	A	Consumer	7.54Y	125.6	0.00	0.41	0.41	0	3	0	100	0.00	0.0	0.591	0.000	3	0	1	1
PL.12925	PL.17988	A	4ACSR	7.53Y	125.5	0.08	0.49	19.26	10	143	23	99	0.08	0.1	0.687	0.095	0	0	0	31
PL.12926	PL.12925	A	4ACSR	7.53Y	125.5	0.02	0.51	18.13	9	135	22	99	0.02	0.0	0.714	0.027	0	0	0	29
PL.12927	PL.12926	A	4ACSR	7.53Y	125.4	0.06	0.57	17.20	9	128	21	99	0.06	0.0	0.798	0.084	0	0	0	28
PL.12928	PL.12927	A	4ACSR	7.52Y	125.3	0.09	0.67	15.41	8	114	18	99	0.08	0.1	0.937	0.138	0	0	0	26
PL.12929	PL.12928	A	4ACSR	7.52Y	125.3	0.05	0.71	13.12	7	97	16	99	0.04	0.0	1.022	0.085	0	0	0	22
018470	PL.12929	A	Consumer	7.52Y	125.3	0.00	0.71	0.45	0	3	1	95	0.00	0.0	1.022	0.000	3	1	1	1
018411	PL.12929	A	Consumer	7.52Y	125.3	0.00	0.71	1.25	0	9	1	99	0.00	0.0	1.022	0.000	9	1	1	1
0184130	PL.12929	A	Consumer	7.52Y	125.3	0.00	0.71	0.05	0	0	0	100	0.00	0.0	1.022	0.000	0	0	1	1
018480	PL.12929	A	Consumer	7.52Y	125.3	0.00	0.71	0.00	0	0	0	100	0.00	0.0	1.022	0.000	0	0	0	0
PL.12930	PL.12929	A	4ACSR	7.52Y	125.3	0.02	0.74	11.37	6	84	14	99	0.01	0.0	1.070	0.048	0	0	0	19
PL.17134	PL.12930	A	4ACSR	7.52Y	125.3	0.00	0.74	9.31	5	69	11	99	0.00	0.0	1.074	0.004	0	0	0	15

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

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.156-A	PL.17134	A	Closed	7.52Y	125.3	0.00	0.74	9.31	0	69	11	99	0.00	0.0	1.074	0.000	0	0	0	15
PD.156-B	PD.156-A	A	Closed	7.52Y	125.3	0.00	0.74	9.31	0	69	11	99	0.00	0.0	1.074	0.000	0	0	0	15
PL.17135	PD.156-B	A	4ACSR	7.51Y	125.2	0.02	0.76	9.31	5	69	11	99	0.01	0.0	1.119	0.045	0	0	0	15
PL.4491	PL.17135	A	4ACSR	7.51Y	125.2	0.03	0.79	9.30	5	69	11	99	0.02	0.0	1.206	0.087	0	0	0	14
PL.4490	PL.4491	A	4ACSR	7.51Y	125.2	0.02	0.81	7.76	4	58	9	99	0.01	0.0	1.266	0.060	0	0	0	12
018446	PL.4490	A	Consumer	7.51Y	125.2	0.00	0.81	0.34	0	3	0	100	0.00	0.0	1.266	0.000	3	0	1	1
PL.6101	PL.4490	A	4ACSR	7.51Y	125.2	0.01	0.82	4.68	2	35	6	99	0.00	0.0	1.301	0.034	0	0	0	7
PL.12931	PL.6101	A	4ACSR	7.51Y	125.2	0.01	0.83	4.68	2	35	6	99	0.00	0.0	1.333	0.032	0	0	0	7
PL.12932	PL.12931	A	4ACSR	7.51Y	125.2	0.01	0.83	1.75	1	13	2	99	0.00	0.0	1.414	0.081	0	0	0	3
PL.32810	PL.12932	A	4ACSR	7.51Y	125.2	0.00	0.83	0.60	0	4	1	97	0.00	0.0	1.445	0.031	0	0	0	1
0184127	PL.32810	A	Consumer	7.51Y	125.2	0.00	0.83	0.60	0	4	1	97	0.00	0.0	1.445	0.000	4	1	1	1
018489	PL.12932	A	Consumer	7.51Y	125.2	0.00	0.83	0.00	0	0	0	100	0.00	0.0	1.414	0.000	0	0	0	0
018491	PL.12932	A	Consumer	7.51Y	125.2	0.00	0.83	0.38	0	3	0	100	0.00	0.0	1.414	0.000	3	0	1	1
018445	PL.12932	A	Consumer	7.51Y	125.2	0.00	0.83	0.77	0	6	1	99	0.00	0.0	1.414	0.000	6	1	1	1
018496	PL.12931	A	Consumer	7.51Y	125.2	0.00	0.83	0.45	0	3	1	95	0.00	0.0	1.333	0.000	3	1	1	1
0184126	PL.12931	A	Consumer	7.51Y	125.2	0.00	0.83	1.19	0	9	1	99	0.00	0.0	1.333	0.000	9	1	1	1
0184104	PL.12931	A	Consumer	7.51Y	125.2	0.00	0.83	0.42	0	3	1	95	0.00	0.0	1.333	0.000	3	1	1	1
018479	PL.12931	A	Consumer	7.51Y	125.2	0.00	0.83	0.87	0	6	1	99	0.00	0.0	1.333	0.000	6	1	1	1
PL.38934	PL.6101	A	2ACSR	7.51Y	125.2	0.00	0.82	0.00	0	0	0	100	0.00	0.0	1.308	0.007	0	0	0	0
PD.6776	PL.38934	A	fuse6AMP	7.51Y	125.2	0.00	0.82	0.00	0	0	0	100	0.00	0.0	1.308	0.000	0	0	0	0
PL.38935	PD.6776	A	2ACSR	7.51Y	125.2	0.00	0.82	0.00	0	0	0	100	0.00	0.0	1.400	0.093	0	0	0	0
0184129	PL.38935	A	Consumer	7.51Y	125.2	0.00	0.82	0.00	0	0	0	100	0.00	0.0	1.400	0.000	0	0	0	0
018482	PL.6101	A	Consumer	7.51Y	125.2	0.00	0.82	0.00	0	0	0	100	0.00	0.0	1.301	0.000	0	0	0	0
PL.38932	PL.4490	A	4ACSR	7.51Y	125.2	0.00	0.81	2.74	1	20	3	99	0.00	0.0	1.277	0.011	0	0	0	4
PD.6775	PL.38932	A	fuse6AMP	7.51Y	125.2	0.00	0.81	2.74	47	20	3	99	0.00	0.0	1.277	0.000	0	0	0	4
PL.38933	PD.6775	A	4ACSR	7.51Y	125.2	0.01	0.82	2.74	1	20	3	99	0.00	0.0	1.341	0.064	0	0	0	4
PL.1657	PL.38933	A	4ACSR	7.51Y	125.2	0.00	0.82	0.31	0	2	0	100	0.00	0.0	1.412	0.071	0	0	0	1
018444	PL.1657	A	Consumer	7.51Y	125.2	0.00	0.82	0.00	0	0	0	100	0.00	0.0	1.412	0.000	0	0	0	0
0184118	PL.1657	A	Consumer	7.51Y	125.2	0.00	0.82	0.31	0	2	0	100	0.00	0.0	1.412	0.000	2	0	1	1
0184117	PL.1657	A	Consumer	7.51Y	125.2	0.00	0.82	0.00	0	0	0	100	0.00	0.0	1.412	0.000	0	0	0	0
018486	PL.38933	A	Consumer	7.51Y	125.2	0.00	0.82	0.87	0	6	1	99	0.00	0.0	1.341	0.000	6	1	1	1
018447	PL.38933	A	Consumer	7.51Y	125.2	0.00	0.82	1.06	0	8	1	99	0.00	0.0	1.341	0.000	8	1	1	1
018460	PL.38933	A	Consumer	7.51Y	125.2	0.00	0.82	0.49	0	4	1	97	0.00	0.0	1.341	0.000	4	1	1	1
018461	PL.4491	A	Consumer	7.51Y	125.2	0.00	0.79	0.58	0	4	1	97	0.00	0.0	1.206	0.000	4	1	1	1
018456	PL.4491	A	Consumer	7.51Y	125.2	0.00	0.79	0.96	0	7	1	99	0.00	0.0	1.206	0.000	7	1	1	1
018455	PL.17135	A	Consumer	7.51Y	125.2	0.00	0.76	0.00	0	0	0	100	0.00	0.0	1.119	0.000	0	0	1	1
PL.38928	PL.12930	A	4ACSR	7.52Y	125.3	0.00	0.74	1.54	1	11	2	98	0.00	0.0	1.076	0.006	0	0	0	3
PD.6773	PL.38928	A	fuse6AMP	7.52Y	125.3	0.00	0.74	1.54	26	11	2	98	0.00	0.0	1.076	0.000	0	0	0	3

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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.38927	PD.6773	A	4ACSR	7.52Y	125.3	0.00	0.74	0.24	0	2	0	100	0.00	0.0	1.133	0.057	0	0	0	1
018440	PL.38927	A	Consumer	7.52Y	125.3	0.00	0.74	0.24	0	2	0	100	0.00	0.0	1.133	0.000	2	0	1	1
PL.38929	PD.6773	A	4ACSR	7.52Y	125.3	0.01	0.74	1.31	1	10	2	98	0.00	0.0	1.175	0.099	0	0	0	2
PL.6135	PL.38929	A	4ACSR	7.52Y	125.3	0.00	0.75	0.49	0	4	1	97	0.00	0.0	1.230	0.054	0	0	0	1
0184110	PL.6135	A	Consumer	7.52Y	125.3	0.00	0.75	0.49	0	4	1	97	0.00	0.0	1.230	0.000	4	1	1	1
018458	PL.38929	A	Consumer	7.52Y	125.3	0.00	0.74	0.00	0	0	0	100	0.00	0.0	1.175	0.000	0	0	0	0
018459	PL.38929	A	Consumer	7.52Y	125.3	0.00	0.74	0.82	0	6	1	99	0.00	0.0	1.175	0.000	6	1	1	1
PL.38930	PL.12930	A	4ACSR	7.52Y	125.3	0.00	0.74	0.52	0	4	1	97	0.00	0.0	1.076	0.006	0	0	0	1
PD.6774	PL.38930	A	fuse6AMP	7.52Y	125.3	0.00	0.74	0.52	9	4	1	97	0.00	0.0	1.076	0.000	0	0	0	1
PL.38931	PD.6774	A	4ACSR	7.52Y	125.3	0.00	0.74	0.52	0	4	1	97	0.00	0.0	1.100	0.024	0	0	0	1
PL.1656	PL.38931	A	4ACSR	7.52Y	125.3	0.00	0.74	0.52	0	4	1	97	0.00	0.0	1.119	0.019	0	0	0	1
018472	PL.1656	A	Consumer	7.52Y	125.3	0.00	0.74	0.52	0	4	1	97	0.00	0.0	1.119	0.000	4	1	1	1
018429	PL.12928	A	Consumer	7.52Y	125.3	0.00	0.67	0.48	0	4	1	97	0.00	0.0	0.937	0.000	4	1	1	1
018474	PL.12928	A	Consumer	7.52Y	125.3	0.00	0.67	0.00	0	0	0	100	0.00	0.0	0.937	0.000	0	0	0	0
0184112	PL.12928	A	Consumer	7.52Y	125.3	0.00	0.67	0.00	0	0	0	100	0.00	0.0	0.937	0.000	0	0	0	0
018488	PL.12928	A	Consumer	7.52Y	125.3	0.00	0.67	1.48	0	11	2	98	0.00	0.0	0.937	0.000	11	2	1	1
PL.38925	PL.12928	A	4ACSR	7.52Y	125.3	0.00	0.67	0.33	0	2	0	100	0.00	0.0	0.943	0.007	0	0	0	2
PD.6772	PL.38925	A	fuse6AMP	7.52Y	125.3	0.00	0.67	0.33	6	2	0	100	0.00	0.0	0.943	0.000	0	0	0	2
PL.38926	PD.6772	A	4ACSR	7.52Y	125.3	0.00	0.67	0.33	0	2	0	100	0.00	0.0	1.000	0.057	0	0	0	2
PL.23768	PL.38926	A	4ACSR	7.52Y	125.3	0.00	0.67	0.33	0	2	0	100	0.00	0.0	1.068	0.068	0	0	0	2
0184119	PL.23768	A	Consumer	7.52Y	125.3	0.00	0.67	0.07	0	1	0	100	0.00	0.0	1.068	0.000	1	0	1	1
018450	PL.23768	A	Consumer	7.52Y	125.3	0.00	0.67	0.26	0	2	0	100	0.00	0.0	1.068	0.000	2	0	1	1
PL.38923	PL.12927	A	4ACSR	7.53Y	125.4	0.00	0.57	0.26	0	2	0	100	0.00	0.0	0.805	0.007	0	0	0	1
PD.6771	PL.38923	A	fuse6AMP	7.53Y	125.4	0.00	0.57	0.26	4	2	0	100	0.00	0.0	0.805	0.000	0	0	0	1
PL.38924	PD.6771	A	4ACSR	7.53Y	125.4	0.00	0.58	0.26	0	2	0	100	0.00	0.0	0.933	0.128	0	0	0	1
019581	PL.38924	A	Consumer	7.53Y	125.4	0.00	0.58	0.26	0	2	0	100	0.00	0.0	0.933	0.000	2	0	1	1
019490	PL.12927	A	Consumer	7.53Y	125.4	0.00	0.57	1.54	0	11	2	98	0.00	0.0	0.798	0.000	11	2	1	1
PL.23765	PL.12926	A	4ACSR	7.53Y	125.5	0.00	0.51	0.93	0	7	1	99	0.00	0.0	0.777	0.063	0	0	0	1
PL.23766	PL.23765	A	4ACSR	7.53Y	125.5	0.00	0.52	0.93	0	7	1	99	0.00	0.0	0.810	0.032	0	0	0	1
019497	PL.23766	A	Consumer	7.53Y	125.5	0.00	0.52	0.93	0	7	1	99	0.00	0.0	0.810	0.000	7	1	1	1
019461	PL.12925	A	Consumer	7.53Y	125.5	0.00	0.49	0.92	0	7	1	99	0.00	0.0	0.687	0.000	7	1	1	1
019419	PL.12925	A	Consumer	7.53Y	125.5	0.00	0.49	0.21	0	2	0	100	0.00	0.0	0.687	0.000	2	0	1	1
PL.29124	CLAY CITY	A	4/0ACSR	7.56Y	126.0	0.01	0.01	214.35	46	1582	351	98	0.10	0.0	0.002	0.002	0	0	0	327
		B		7.56Y	126.0	0.00	0.00	178.98	38	1318	304	97					0	0	0	273
		C		7.56Y	126.0	0.00	0.00	135.91	29	1003	224	98					0	0	0	201
PL.32842	PL.29124	A	4/0ACSR	7.56Y	126.0	0.00	0.01	214.35	46	1582	351	98	0.07	0.0	0.004	0.002	0	0	0	327
		B		7.56Y	126.0	0.00	0.01	178.98	38	1318	304	97					0	0	0	273
		C		7.56Y	126.0	0.00	0.01	135.91	29	1003	224	98					0	0	0	201

---------- Feeder No. 2 (CLAYCTY2) Beginning with Device PD.3882 ----------

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.3882	PL.32842	A	VWVE	7.56Y	126.0	0.00	0.01	214.35	0	1582	351	98	0.00	0.0	0.004	0.000	0	0	0	327
		B		7.56Y	126.0	0.00	0.01	178.98	0	1318	304	97					0	0	0	273
		C		7.56Y	126.0	0.00	0.01	135.91	0	1003	224	98					0	0	0	201
PL.32843	PD.3882	A	4/0ACSR	7.56Y	125.9	0.05	0.06	214.35	46	1582	351	98	0.86	0.0	0.024	0.020	0	0	0	327
		B		7.56Y	126.0	0.03	0.03	178.98	38	1318	304	97					0	0	0	273
		C		7.56Y	126.0	0.03	0.03	135.91	29	1003	224	98					0	0	0	201
PL.18226	PL.32843	B	4ACSR	7.55Y	125.9	0.09	0.12	16.94	9	126	20	99	0.08	0.1	0.144	0.120	0	0	0	24
PD.3368	PL.18226	B	70V4E	7.55Y	125.9	0.00	0.12	16.94	24	126	20	99	0.00	0.0	0.144	0.000	0	0	0	24
PL.18227	PD.3368	B	4ACSR	7.55Y	125.9	0.03	0.15	16.94	9	126	20	99	0.02	0.0	0.180	0.036	0	0	0	24
PL.45248	PL.18227	B	4ACSR	7.55Y	125.9	0.00	0.15	0.95	0	7	1	99	0.00	0.0	0.185	0.005	0	0	0	2
PD.8631	PL.45248	B	fuse6AMP	7.55Y	125.9	0.00	0.15	0.95	16	7	1	99	0.00	0.0	0.185	0.000	0	0	0	2
PL.45249	PD.8631	B	4ACSR	7.55Y	125.9	0.00	0.15	0.95	0	7	1	99	0.00	0.0	0.235	0.050	0	0	0	2
019462	PL.45249	B	Consumer	7.55Y	125.9	0.00	0.15	0.85	0	6	1	99	0.00	0.0	0.235	0.000	6	1	1	1
019478	PL.45249	B	Consumer	7.55Y	125.9	0.00	0.15	0.00	0	0	0	100	0.00	0.0	0.235	0.000	0	0	0	0
PL.37686	PL.45249	B	2ACSR	7.55Y	125.9	0.00	0.15	0.10	0	1	0	100	0.00	0.0	0.270	0.034	0	0	0	1
0194123	PL.37686	B	Consumer	7.55Y	125.9	0.00	0.15	0.10	0	1	0	100	0.00	0.0	0.270	0.000	1	0	1	1
PL.37687	PL.18227	B	4ACSR	7.55Y	125.8	0.01	0.16	15.99	8	119	19	99	0.01	0.0	0.195	0.015	0	0	0	22
PL.37688	PL.37687	B	4ACSR	7.55Y	125.8	0.01	0.17	14.33	7	107	17	99	0.01	0.0	0.216	0.021	0	0	0	19
019480	PL.37688	B	Consumer	7.55Y	125.8	0.00	0.17	1.12	0	8	1	99	0.00	0.0	0.216	0.000	8	1	1	1
PL.20516	PL.37688	B	4ACSR	7.55Y	125.8	0.02	0.19	13.20	7	98	16	99	0.01	0.0	0.244	0.028	0	0	0	18
PL.6127	PL.20516	B	4ACSR	7.54Y	125.7	0.07	0.25	12.46	6	93	15	99	0.05	0.0	0.369	0.125	0	0	0	17
PL.45252	PL.6127	B	4ACSR	7.54Y	125.7	0.00	0.25	2.75	1	21	3	99	0.00	0.0	0.373	0.004	0	0	0	3
PD.8633	PL.45252	B	fuse6AMP	7.54Y	125.7	0.00	0.25	2.75	47	21	3	99	0.00	0.0	0.373	0.000	0	0	0	3
PL.45253	PD.8633	B	4ACSR	7.54Y	125.7	0.01	0.26	2.49	1	19	3	99	0.00	0.0	0.437	0.063	0	0	0	2
019457	PL.45253	B	Consumer	7.54Y	125.7	0.00	0.26	0.00	0	0	0	100	0.00	0.0	0.437	0.000	0	0	0	0
0194105	PL.45253	B	Consumer	7.54Y	125.7	0.00	0.26	1.44	0	11	2	98	0.00	0.0	0.437	0.000	11	2	1	1
019487	PL.45253	B	Consumer	7.54Y	125.7	0.00	0.26	0.00	0	0	0	100	0.00	0.0	0.437	0.000	0	0	0	0
019450	PL.45253	B	Consumer	7.54Y	125.7	0.00	0.26	1.05	0	8	1	99	0.00	0.0	0.437	0.000	8	1	1	1
PL.45254	PD.8633	B	4ACSR	7.54Y	125.7	0.00	0.25	0.26	0	2	0	100	0.00	0.0	0.432	0.058	0	0	0	1
019421	PL.45254	B	Consumer	7.54Y	125.7	0.00	0.25	0.26	0	2	0	100	0.00	0.0	0.432	0.000	2	0	1	1
PL.45250	PL.6127	B	4ACSR	7.54Y	125.7	0.00	0.25	1.53	1	11	2	98	0.00	0.0	0.375	0.006	0	0	0	2
PD.8632	PL.45250	B	fuse6AMP	7.54Y	125.7	0.00	0.25	1.53	26	11	2	98	0.00	0.0	0.375	0.000	0	0	0	2
PL.45251	PD.8632	B	4ACSR	7.54Y	125.7	0.00	0.26	1.53	1	11	2	98	0.00	0.0	0.434	0.059	0	0	0	2
SRL.27467	PL.45251	B	Consumer	7.54Y	125.7	0.00	0.26	0.00	0	0	0	100	0.00	0.0	0.434	0.000	0	0	0	0
019458	PL.45251	B	Consumer	7.54Y	125.7	0.00	0.26	1.31	0	10	2	98	0.00	0.0	0.434	0.000	10	2	1	1
0194115	PL.45251	B	Consumer	7.54Y	125.7	0.00	0.26	0.22	0	2	0	100	0.00	0.0	0.434	0.000	2	0	1	1
PL.12898	PL.6127	B	4ACSR	7.54Y	125.7	0.01	0.26	8.18	4	61	10	99	0.00	0.0	0.401	0.031	0	0	0	12
0194118	PL.12898	B	Consumer	7.54Y	125.7	0.00	0.26	1.00	0	7	1	99	0.00	0.0	0.401	0.000	7	1	1	1
PL.41199	PL.12898	B	4ACSR	7.54Y	125.7	0.00	0.27	7.18	4	53	9	99	0.00	0.0	0.414	0.013	0	0	0	11
PL.41198	PL.41199	B	2ACSR	7.54Y	125.7	0.00	0.27	0.00	0	0	0	100	0.00	0.0	0.459	0.046	0	0	0	0

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
0194124	PL.41198	B	Consumer	7.54Y	125.7	0.00	0.27	0.00	0	0	0	100	0.00	0.0	0.459	0.000	0	0	0	0
PL.41200	PL.41199	B	4ACSR	7.54Y	125.7	0.01	0.27	7.18	4	53	9	99	0.00	0.0	0.430	0.017	0	0	0	11
PL.45255	PL.41200	B	4ACSR	7.54Y	125.7	0.00	0.27	2.33	1	17	3	98	0.00	0.0	0.436	0.005	0	0	0	5
PD.8634	PL.45255	B	fuse6AMP	7.54Y	125.7	0.00	0.27	2.33	40	17	3	98	0.00	0.0	0.436	0.000	0	0	0	5
PL.45256	PD.8634	B	4ACSR	7.54Y	125.7	0.00	0.28	0.43	0	3	1	95	0.00	0.0	0.533	0.097	0	0	0	2
0184131	PL.45256	B	Consumer	7.54Y	125.7	0.00	0.28	0.00	0	0	0	100	0.00	0.0	0.533	0.000	0	0	1	1
018476	PL.45256	B	Consumer	7.54Y	125.7	0.00	0.28	0.43	0	3	1	95	0.00	0.0	0.533	0.000	3	1	1	1
PL.6129	PL.45256	B	4ACSR	7.54Y	125.7	0.00	0.28	0.00	0	0	0	100	0.00	0.0	0.533	0.000	0	0	0	0
PL.45257	PD.8634	B	4ACSR	7.54Y	125.7	0.01	0.28	1.90	1	14	2	99	0.00	0.0	0.498	0.062	0	0	0	3
018451	PL.45257	B	Consumer	7.54Y	125.7	0.00	0.28	0.00	0	0	0	100	0.00	0.0	0.498	0.000	0	0	0	0
018435	PL.45257	B	Consumer	7.54Y	125.7	0.00	0.28	1.29	0	10	2	98	0.00	0.0	0.498	0.000	10	2	1	1
018437	PL.45257	B	Consumer	7.54Y	125.7	0.00	0.28	0.33	0	2	0	100	0.00	0.0	0.498	0.000	2	0	1	1
018477	PL.45257	B	Consumer	7.54Y	125.7	0.00	0.28	0.28	0	2	0	100	0.00	0.0	0.498	0.000	2	0	1	1
PL.12900	PL.41200	B	4ACSR	7.54Y	125.7	0.02	0.30	4.84	2	36	6	99	0.01	0.0	0.536	0.105	0	0	0	6
PL.45258	PL.12900	B	4ACSR	7.54Y	125.7	0.00	0.30	1.07	1	8	1	99	0.00	0.0	0.541	0.005	0	0	0	1
PD.8635	PL.45258	B	fuse6AMP	7.54Y	125.7	0.00	0.30	1.07	18	8	1	99	0.00	0.0	0.541	0.000	0	0	0	1
PL.45259	PD.8635	B	4ACSR	7.54Y	125.7	0.00	0.30	1.07	1	8	1	99	0.00	0.0	0.605	0.064	0	0	0	1
018443	PL.45259	B	Consumer	7.54Y	125.7	0.00	0.30	1.07	0	8	1	99	0.00	0.0	0.605	0.000	8	1	1	1
0184116	PL.12900	B	Consumer	7.54Y	125.7	0.00	0.30	1.39	0	10	2	98	0.00	0.0	0.536	0.000	10	2	1	1
PL.17132	PL.12900	B	4ACSR	7.54Y	125.7	0.00	0.30	2.38	1	18	3	99	0.00	0.0	0.564	0.028	0	0	0	4
PD.1935	PL.17132	B	fuse6AMP	7.54Y	125.7	0.00	0.30	2.38	41	18	3	99	0.00	0.0	0.564	0.000	0	0	0	4
PL.17133	PD.1935	B	4ACSR	7.54Y	125.7	0.00	0.30	2.38	1	18	3	99	0.00	0.0	0.592	0.028	0	0	0	4
PL.12901	PL.17133	B	4ACSR	7.54Y	125.7	0.00	0.30	2.38	1	18	3	99	0.00	0.0	0.606	0.014	0	0	0	4
018483	PL.12901	B	Consumer	7.54Y	125.7	0.00	0.30	0.47	0	4	1	97	0.00	0.0	0.606	0.000	4	1	1	1
PL.4489	PL.12901	B	4ACSR	7.54Y	125.7	0.00	0.31	1.90	1	14	2	99	0.00	0.0	0.656	0.050	0	0	0	3
PL.12902	PL.4489	B	4ACSR	7.54Y	125.7	0.00	0.31	1.90	1	14	2	99	0.00	0.0	0.670	0.014	0	0	0	3
PL.12903	PL.12902	B	4ACSR	7.54Y	125.7	0.00	0.31	1.02	1	8	1	99	0.00	0.0	0.714	0.044	0	0	0	1
0184105	PL.12903	B	Consumer	7.54Y	125.7	0.00	0.31	1.02	0	8	1	99	0.00	0.0	0.714	0.000	8	1	1	1
0184121	PL.12903	B	Consumer	7.54Y	125.7	0.00	0.31	0.00	0	0	0	100	0.00	0.0	0.714	0.000	0	0	0	0
PL.6132	PL.12903	B	4ACSR	7.54Y	125.7	0.00	0.31	0.00	0	0	0	100	0.00	0.0	0.888	0.174	0	0	0	0
018493	PL.12902	B	Consumer	7.54Y	125.7	0.00	0.31	0.88	0	7	1	99	0.00	0.0	0.670	0.000	7	1	1	1
0184122	PL.12902	B	Consumer	7.54Y	125.7	0.00	0.31	0.00	0	0	0	100	0.00	0.0	0.670	0.000	0	0	1	1
019492	PL.20516	B	Consumer	7.55Y	125.8	0.00	0.19	0.74	0	6	1	99	0.00	0.0	0.244	0.000	6	1	1	1
019404	PL.20516	B	Consumer	7.55Y	125.8	0.00	0.19	0.00	0	0	0	100	0.00	0.0	0.244	0.000	0	0	0	0
019437	PL.37687	B	Consumer	7.55Y	125.8	0.00	0.16	0.32	0	2	0	100	0.00	0.0	0.195	0.000	2	0	1	1
0194104	PL.37687	B	Consumer	7.55Y	125.8	0.00	0.16	0.16	0	1	0	100	0.00	0.0	0.195	0.000	1	0	1	1
019472	PL.37687	B	Consumer	7.55Y	125.8	0.00	0.16	1.19	0	9	1	99	0.00	0.0	0.195	0.000	9	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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.10954	PL.32843	A	4/0ACSR	7.52Y	125.3	0.66	0.73	214.35	46	1581	350	98	10.41	0.3	0.286	0.262	0	0	0	327
		B		7.54Y	125.7	0.29	0.32	162.08	34	1192	283	97					0	0	0	249
		C		7.54Y	125.6	0.37	0.40	135.91	29	1002	224	98					0	0	0	201
PL.28121	PL.10954	C	4ACSR	7.54Y	125.6	0.00	0.40	0.84	0	6	1	99	0.00	0.0	0.293	0.006	0	0	0	2
PD.1936	PL.28121	C	fuse6AMP	7.54Y	125.6	0.00	0.40	0.84	14	6	1	99	0.00	0.0	0.293	0.000	0	0	0	2
PL.28120	PD.1936	C	4ACSR	7.54Y	125.6	0.00	0.40	0.84	0	6	1	99	0.00	0.0	0.334	0.041	0	0	0	2
PL.1660	PL.28120	C	4ACSR	7.54Y	125.6	0.00	0.40	0.84	0	6	1	99	0.00	0.0	0.366	0.032	0	0	0	2
PL.6119	PL.1660	C	4ACSR	7.54Y	125.6	0.00	0.40	0.84	0	6	1	99	0.00	0.0	0.385	0.020	0	0	0	2
019447	PL.6119	C	Consumer	7.54Y	125.6	0.00	0.40	0.40	0	3	0	100	0.00	0.0	0.385	0.000	3	0	1	1
019415	PL.6119	C	Consumer	7.54Y	125.6	0.00	0.40	0.44	0	3	1	95	0.00	0.0	0.385	0.000	3	1	1	1
PL.6120	PL.6119	C	4ACSR	7.54Y	125.6	0.00	0.40	0.00	0	0	0	100	0.00	0.0	0.428	0.043	0	0	0	0
019434	PL.6120	C	Consumer	7.54Y	125.6	0.00	0.40	0.00	0	0	0	100	0.00	0.0	0.428	0.000	0	0	0	0
PL.16998	PL.10954	A	4/0ACSR	7.51Y	125.2	0.12	0.85	214.35	46	1575	339	98	1.88	0.0	0.334	0.047	0	0	0	327
		B		7.54Y	125.6	0.05	0.37	162.08	34	1190	278	97					0	0	0	249
		C		7.53Y	125.5	0.07	0.46	135.07	29	994	220	98					0	0	0	199
PL.16999	PL.16998	A	4/0ACSR	7.51Y	125.2	0.00	0.85	214.35	46	1574	337	98	0.02	0.0	0.334	0.000	0	0	0	327
		B		7.54Y	125.6	0.00	0.37	162.08	34	1190	277	97					0	0	0	249
		C		7.53Y	125.5	0.00	0.46	135.07	29	993	220	98					0	0	0	199
PL.74	PL.16999	A	4/0ACSR	7.49Y	124.8	0.39	1.23	214.35	46	1574	337	98	6.06	0.2	0.487	0.153	0	0	0	327
		B		7.53Y	125.5	0.17	0.54	162.08	34	1190	277	97					0	0	0	249
		C		7.52Y	125.3	0.21	0.68	135.07	29	993	220	98					0	0	0	199
PL.26223	PL.74	A	4/0ACSR	7.47Y	124.5	0.29	1.52	214.35	46	1570	331	98	4.53	0.1	0.601	0.114	0	0	0	327
		B		7.52Y	125.3	0.12	0.66	162.08	34	1189	273	97					0	0	0	249
		C		7.51Y	125.2	0.16	0.83	135.07	29	992	218	98					0	0	0	199
PL.15972	PL.26223	A	4/0ACSR	7.45Y	124.1	0.37	1.89	213.29	45	1560	323	98	5.87	0.2	0.750	0.149	0	0	0	326
		B		7.51Y	125.2	0.16	0.82	162.08	34	1188	271	97					0	0	0	249
		C		7.50Y	125.0	0.20	1.04	134.02	29	984	214	98					0	0	0	198
PL.15973	PL.15972	A	4/0ACSR	7.45Y	124.1	0.01	1.91	213.29	45	1556	317	98	0.22	0.0	0.756	0.006	0	0	0	326
		B		7.51Y	125.2	0.01	0.83	162.08	34	1187	268	98					0	0	0	249
		C		7.50Y	125.0	0.01	1.04	134.02	29	982	212	98					0	0	0	198
PD.2355-A	PL.15973	A	Closed	7.45Y	124.1	0.00	1.91	213.29	0	1556	316	98	0.00	0.0	0.756	0.000	0	0	0	326
		B		7.51Y	125.2	0.00	0.83	162.08	0	1187	268	98					0	0	0	249
		C		7.50Y	125.0	0.00	1.04	134.02	0	982	212	98					0	0	0	198
PD.2355-B	PD.2355-A	A	Closed	7.45Y	124.1	0.00	1.91	213.29	0	1556	316	98	0.00	0.0	0.756	0.000	0	0	0	326
		B		7.51Y	125.2	0.00	0.83	162.08	0	1187	268	98					0	0	0	249
		C		7.50Y	125.0	0.00	1.04	134.02	0	982	212	98					0	0	0	198
PL.16203	PD.2355-B	A	4/0ACSR	7.43Y	123.9	0.21	2.12	213.29	45	1556	316	98	3.37	0.1	0.842	0.086	0	0	0	326
		B		7.50Y	125.1	0.09	0.92	162.08	34	1187	268	98					0	0	0	249
		C		7.49Y	124.8	0.12	1.16	134.02	29	982	212	98					0	0	0	198
PL.26224	PL.16203	A	4/0ACSR	7.42Y	123.6	0.29	2.41	213.29	45	1554	313	98	4.53	0.1	0.957	0.115	0	0	0	326
		B		7.50Y	125.0	0.12	1.04	161.71	34	1184	265	98					0	0	0	248
		C		7.48Y	124.7	0.16	1.32	134.02	29	981	211	98					0	0	0	198
OH35	PL.26224	A	336ACSR	7.41Y	123.6	0.03	2.43	82.84	11	604	112	98	0.10	0.0	0.987	0.031	0	0	0	145
		B		7.50Y	125.0	-0.00	1.04	48.96	7	359	75	98					0	0	0	76
		C		7.48Y	124.7	0.01	1.33	28.22	4	205	51	97					0	0	0	42
OCD37	OH35	A	VWVE	7.41Y	123.6	0.00	2.43	82.84	0	604	112	98	0.00	0.0	0.987	0.000	0	0	0	145
		B		7.50Y	125.0	0.00	1.04	48.96	0	359	75	98					0	0	0	76
		C		7.48Y	124.7	0.00	1.33	28.22	0	205	51	97					0	0	0	42
OH36	OCD37	A	336ACSR	7.40Y	123.4	0.21	2.64	82.84	11	604	112	98	0.79	0.1	1.237	0.249	0	0	0	145
		B		7.50Y	125.0	-0.01	1.03	48.96	7	359	75	98					0	0	0	76
		C		7.48Y	124.6	0.06	1.39	28.22	4	205	51	97					0	0	0	42

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.24226	OH36	A	336ACSR	7.40Y	123.3	0.04	2.69	81.44	11	593	106	98	0.15	0.0	1.284	0.048	0	0	0	143
		B		7.50Y	125.0	-0.01	1.02	48.96	7	360	74	98					0	0	0	76
		C		7.48Y	124.6	0.01	1.40	28.22	4	205	51	97					0	0	0	42
PL.12609	PL.24226	A	336ACSR	7.39Y	123.2	0.07	2.75	81.44	11	593	106	98	0.20	0.0	1.353	0.068	0	0	0	143
		B		7.50Y	125.0	-0.02	1.00	39.90	5	294	55	98					0	0	0	63
		C		7.47Y	124.6	0.02	1.42	22.03	3	162	31	98					0	0	0	41
PL.12608	PL.12609	A	336ACSR	7.39Y	123.2	0.03	2.78	81.44	11	593	105	98	0.10	0.0	1.386	0.033	0	0	0	143
		B		7.50Y	125.0	-0.01	0.99	37.02	5	273	51	98					0	0	0	58
		C		7.47Y	124.6	0.01	1.43	20.38	3	150	29	98					0	0	0	37
PL.7744	PL.12608	A	336ACSR	7.39Y	123.2	0.06	2.85	81.44	11	593	105	98	0.19	0.0	1.452	0.066	0	0	0	143
		B		7.50Y	125.0	-0.03	0.96	36.37	5	268	50	98					0	0	0	57
		C		7.47Y	124.5	0.02	1.45	20.38	3	150	29	98					0	0	0	37
PL.7743	PL.7744	A	336ACSR	7.39Y	123.1	0.04	2.89	81.44	11	593	105	98	0.13	0.0	1.498	0.046	0	0	0	143
		B		7.50Y	125.1	-0.02	0.94	34.05	5	251	47	98					0	0	0	52
		C		7.47Y	124.5	0.02	1.47	20.38	3	150	29	98					0	0	0	37
PL.288	PL.7743	A	336ACSR	7.39Y	123.1	0.01	2.90	14.04	2	102	21	98	0.03	0.0	1.550	0.052	0	0	0	22
		B		7.50Y	125.0	0.02	0.96	33.44	5	247	46	98					0	0	0	51
		C		7.47Y	124.5	-0.00	1.46	20.38	3	150	29	98					0	0	0	37
PL.390	PL.288	A	336ACSR	7.39Y	123.1	0.00	2.90	14.04	2	102	21	98	0.02	0.0	1.579	0.029	0	0	0	22
		B		7.50Y	125.0	0.01	0.97	33.44	5	247	46	98					0	0	0	51
		C		7.47Y	124.5	-0.00	1.46	20.38	3	150	29	98					0	0	0	37
PL.12607	PL.390	A	1/0ACSR	7.39Y	123.1	0.01	2.91	14.04	4	102	21	98	0.03	0.0	1.601	0.022	0	0	0	22
		B		7.50Y	125.0	0.02	0.99	33.44	10	247	46	98					0	0	0	51
		C		7.47Y	124.5	0.00	1.46	20.38	6	150	29	98					0	0	0	37
PL.27041	PL.12607	A	1/0ACSR	7.39Y	123.1	0.00	2.91	14.04	4	102	21	98	0.01	0.0	1.607	0.006	0	0	0	22
		B		7.50Y	125.0	0.00	0.99	33.44	10	247	46	98					0	0	0	51
		C		7.47Y	124.5	0.00	1.47	19.96	6	146	28	98					0	0	0	36
PD.507-A	PL.27041	A	Closed	7.39Y	123.1	0.00	2.91	14.04	0	102	21	98	0.00	0.0	1.607	0.000	0	0	0	22
		B		7.50Y	125.0	0.00	0.99	33.44	0	247	46	98					0	0	0	51
		C		7.47Y	124.5	0.00	1.47	19.96	0	146	28	98					0	0	0	36
PD.507-B	PD.507-A	A	Closed	7.39Y	123.1	0.00	2.91	14.04	0	102	21	98	0.00	0.0	1.607	0.000	0	0	0	22
		B		7.50Y	125.0	0.00	0.99	33.44	0	247	46	98					0	0	0	51
		C		7.47Y	124.5	0.00	1.47	19.96	0	146	28	98					0	0	0	36
PL.27042	PD.507-B	A	1/0ACSR	7.38Y	123.1	0.03	2.94	14.04	4	102	21	98	0.15	0.0	1.704	0.097	0	0	0	22
		B		7.50Y	124.9	0.07	1.06	33.44	10	247	46	98					0	0	0	51
		C		7.47Y	124.5	0.01	1.48	19.96	6	146	28	98					0	0	0	36
0714134	PL.27042	B	Consumer	7.50Y	124.9	0.00	1.06	1.38	0	10	2	98	0.00	0.0	1.704	0.000	10	2	1	1
071413	PL.27042	B	Consumer	7.50Y	124.9	0.00	1.06	0.18	0	1	0	100	0.00	0.0	1.704	0.000	1	0	1	1
0714146	PL.27042	B	Consumer	7.50Y	124.9	0.00	1.06	0.00	0	0	0	100	0.00	0.0	1.704	0.000	0	0	0	0
PL.27043	PL.27042	C	4ACSR	7.47Y	124.5	0.00	1.48	10.56	5	78	13	99	0.00	0.0	1.710	0.005	0	0	0	22
PD.508-A	PL.27043	C	Closed	7.47Y	124.5	0.00	1.48	10.56	0	78	13	99	0.00	0.0	1.710	0.000	0	0	0	22
PD.508-B	PD.508-A	C	Closed	7.47Y	124.5	0.00	1.48	10.56	0	78	13	99	0.00	0.0	1.710	0.000	0	0	0	22
PL.27044	PD.508-B	C	4ACSR	7.47Y	124.5	0.00	1.48	10.56	5	78	13	99	0.00	0.0	1.715	0.005	0	0	0	22
PD.3429	PL.27044	C	35V4E	7.47Y	124.5	0.00	1.48	10.56	30	78	13	99	0.00	0.0	1.715	0.000	0	0	0	22
PL.27045	PD.3429	C	4ACSR	7.47Y	124.5	0.03	1.51	10.56	5	78	13	99	0.02	0.0	1.774	0.059	0	0	0	22
PL.7592	PL.27045	C	4ACSR	7.47Y	124.5	0.01	1.52	10.19	5	75	12	99	0.01	0.0	1.795	0.021	0	0	0	21
PL.7590	PL.7592	C	4ACSR	7.47Y	124.5	0.02	1.54	3.44	2	25	4	99	0.00	0.0	1.909	0.113	0	0	0	8
PL.7591	PL.7590	C	4ACSR	7.47Y	124.4	0.01	1.55	2.61	1	19	3	99	0.00	0.0	2.037	0.128	0	0	0	6
PL.7589	PL.7591	C	4ACSR	7.47Y	124.4	0.00	1.55	0.45	0	3	1	95	0.00	0.0	2.074	0.037	0	0	0	2
071473	PL.7589	C	Consumer	7.47Y	124.4	0.00	1.55	0.38	0	3	0	100	0.00	0.0	2.074	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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
0714140	PL.7589	C	Consumer	7.47Y	124.4	0.00	1.55	0.07	0	1	0	100	0.00	0.0	2.074	0.000	1	0	1	1
071492	PL.7589	C	Consumer	7.47Y	124.4	0.00	1.55	0.00	0	0	0	100	0.00	0.0	2.074	0.000	0	0	0	0
071449	PL.7591	C	Consumer	7.47Y	124.4	0.00	1.55	0.25	0	2	0	100	0.00	0.0	2.037	0.000	2	0	1	1
071448	PL.7591	C	Consumer	7.47Y	124.4	0.00	1.55	0.00	0	0	0	100	0.00	0.0	2.037	0.000	0	0	0	0
071466	PL.7591	C	Consumer	7.47Y	124.4	0.00	1.55	0.00	0	0	0	100	0.00	0.0	2.037	0.000	0	0	0	0
0714131	PL.7591	C	Consumer	7.47Y	124.4	0.00	1.55	0.95	0	7	1	99	0.00	0.0	2.037	0.000	7	1	1	1
071442	PL.7591	C	Consumer	7.47Y	124.4	0.00	1.55	0.87	0	6	1	99	0.00	0.0	2.037	0.000	6	1	1	1
0714114	PL.7591	C	Consumer	7.47Y	124.4	0.00	1.55	0.09	0	1	0	100	0.00	0.0	2.037	0.000	1	0	1	1
071484	PL.7591	C	Consumer	7.47Y	124.4	0.00	1.55	0.00	0	0	0	100	0.00	0.0	2.037	0.000	0	0	0	0
0714109	PL.7590	C	Consumer	7.47Y	124.5	0.00	1.54	0.34	0	3	0	100	0.00	0.0	1.909	0.000	3	0	1	1
0714110	PL.7590	C	Consumer	7.47Y	124.5	0.00	1.54	0.00	0	0	0	100	0.00	0.0	1.909	0.000	0	0	0	0
071440	PL.7590	C	Consumer	7.47Y	124.5	0.00	1.54	0.49	0	4	1	97	0.00	0.0	1.909	0.000	4	1	1	1
0714101	PL.7592	C	Consumer	7.47Y	124.5	0.00	1.52	0.60	0	4	1	97	0.00	0.0	1.795	0.000	4	1	1	1
071414	PL.7592	C	Consumer	7.47Y	124.5	0.00	1.52	0.24	0	2	0	100	0.00	0.0	1.795	0.000	2	0	1	1
PL.12247	PL.7592	C	4ACSR	7.47Y	124.5	0.02	1.54	5.91	3	44	7	99	0.01	0.0	1.859	0.064	0	0	0	11
PL.12248	PL.12247	C	4ACSR	7.47Y	124.4	0.02	1.55	5.91	3	44	7	99	0.01	0.0	1.930	0.070	0	0	0	11
071422	PL.12248	C	Consumer	7.47Y	124.4	0.00	1.55	0.33	0	2	0	100	0.00	0.0	1.930	0.000	2	0	1	1
071426	PL.12248	C	Consumer	7.47Y	124.4	0.00	1.55	0.61	0	5	1	98	0.00	0.0	1.930	0.000	5	1	1	1
071453	PL.12248	C	Consumer	7.47Y	124.4	0.00	1.55	0.00	0	0	0	100	0.00	0.0	1.930	0.000	0	0	0	0
071436	PL.12248	C	Consumer	7.47Y	124.4	0.00	1.55	1.68	0	12	2	99	0.00	0.0	1.930	0.000	12	2	1	1
071460	PL.12248	C	Consumer	7.47Y	124.4	0.00	1.55	0.00	0	0	0	100	0.00	0.0	1.930	0.000	0	0	0	0
071431	PL.12248	C	Consumer	7.47Y	124.4	0.00	1.55	0.45	0	3	1	95	0.00	0.0	1.930	0.000	3	1	1	1
071493	PL.12248	C	Consumer	7.47Y	124.4	0.00	1.55	0.00	0	0	0	100	0.00	0.0	1.930	0.000	0	0	0	0
PL.12249	PL.12248	C	4ACSR	7.47Y	124.4	0.01	1.56	2.85	1	21	3	99	0.00	0.0	2.019	0.089	0	0	0	7
PL.12250	PL.12249	C	4ACSR	7.47Y	124.4	0.00	1.57	0.34	0	2	0	100	0.00	0.0	2.096	0.078	0	0	0	2
071423	PL.12250	C	Consumer	7.47Y	124.4	0.00	1.57	0.09	0	1	0	100	0.00	0.0	2.096	0.000	1	0	1	1
0714121	PL.12250	C	Consumer	7.47Y	124.4	0.00	1.57	0.24	0	2	0	100	0.00	0.0	2.096	0.000	2	0	1	1
071463	PL.12249	C	Consumer	7.47Y	124.4	0.00	1.56	0.23	0	2	0	100	0.00	0.0	2.019	0.000	2	0	1	1
071427	PL.12249	C	Consumer	7.47Y	124.4	0.00	1.56	0.40	0	3	0	100	0.00	0.0	2.019	0.000	3	0	1	1
071445	PL.12249	C	Consumer	7.47Y	124.4	0.00	1.56	0.69	0	5	1	98	0.00	0.0	2.019	0.000	5	1	1	1
071425	PL.12249	C	Consumer	7.47Y	124.4	0.00	1.56	0.92	0	7	1	99	0.00	0.0	2.019	0.000	7	1	1	1
0714117	PL.12249	C	Consumer	7.47Y	124.4	0.00	1.56	0.00	0	0	0	100	0.00	0.0	2.019	0.000	0	0	0	0
071428	PL.12249	C	Consumer	7.47Y	124.4	0.00	1.56	0.28	0	2	0	100	0.00	0.0	2.019	0.000	2	0	1	1
PL.4896	PL.12247	C	4ACSR	7.47Y	124.5	0.00	1.54	0.00	0	0	0	100	0.00	0.0	1.895	0.035	0	0	0	0
071437	PL.4896	C	Consumer	7.47Y	124.5	0.00	1.54	0.00	0	0	0	100	0.00	0.0	1.895	0.000	0	0	0	0
071441	PL.27045	C	Consumer	7.47Y	124.5	0.00	1.51	0.37	0	3	0	100	0.00	0.0	1.774	0.000	3	0	1	1
PL.27046	PL.27042	C	4ACSR	7.47Y	124.5	0.00	1.48	0.58	0	4	1	97	0.00	0.0	1.710	0.005	0	0	0	1
PD.2120	PL.27046	C	fuse6AMP	7.47Y	124.5	0.00	1.48	0.58	10	4	1	97	0.00	0.0	1.710	0.000	0	0	0	1

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

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.27047	PD.2120	C	4ACSR	7.47Y	124.5	0.00	1.48	0.58	0	4	1	97	0.00	0.0	1.740	0.031	0	0	0	1
0714125	PL.27047	C	Consumer	7.47Y	124.5	0.00	1.48	0.58	0	4	1	97	0.00	0.0	1.740	0.000	4	1	1	1
PL.7596	PL.27042	A	1/0ACSR	7.38Y	123.0	0.02	2.96	14.04	4	102	21	98	0.06	0.0	1.755	0.051	0	0	0	22
		B		7.49Y	124.9	0.03	1.09	31.88	10	235	44	98					0	0	0	49
		C		7.47Y	124.5	-0.00	1.48	8.83	3	64	15	97					0	0	0	13
0714127	PL.7596	B	Consumer	7.49Y	124.9	0.00	1.09	1.35	0	10	2	98	0.00	0.0	1.755	0.000	10	2	1	1
PL.19942	PL.7596	A	1/0ACSR	7.38Y	123.0	0.02	2.98	14.04	4	102	21	98	0.06	0.0	1.808	0.052	0	0	0	22
		B		7.49Y	124.9	0.03	1.12	30.53	9	225	42	98					0	0	0	48
		C		7.47Y	124.5	-0.00	1.47	8.83	3	64	15	97					0	0	0	13
PL.19943	PL.19942	A	1/0ACSR	7.38Y	123.0	0.03	3.01	14.04	4	102	21	98	0.09	0.0	1.887	0.079	0	0	0	22
		B		7.49Y	124.8	0.05	1.17	30.53	9	225	42	98					0	0	0	47
		C		7.47Y	124.5	-0.00	1.47	8.83	3	64	15	97					0	0	0	13
PL.25176	PL.19943	A	1/0ACSR	7.38Y	123.0	0.01	3.02	12.48	4	90	19	98	0.05	0.0	1.931	0.045	0	0	0	17
		B		7.49Y	124.8	0.03	1.19	30.22	9	223	42	98					0	0	0	44
		C		7.47Y	124.5	-0.00	1.47	8.83	3	64	15	97					0	0	0	13
071447	PL.25176	B	Consumer	7.49Y	124.8	0.00	1.19	0.65	0	5	1	98	0.00	0.0	1.931	0.000	5	1	1	1
071434	PL.25176	B	Consumer	7.49Y	124.8	0.00	1.19	0.00	0	0	0	100	0.00	0.0	1.931	0.000	0	0	0	0
071438	PL.25176	B	Consumer	7.49Y	124.8	0.00	1.19	0.46	0	3	1	95	0.00	0.0	1.931	0.000	3	1	1	1
071458	PL.25176	B	Consumer	7.49Y	124.8	0.00	1.19	0.30	0	2	0	100	0.00	0.0	1.931	0.000	2	0	1	1
071435	PL.25176	B	Consumer	7.49Y	124.8	0.00	1.19	0.40	0	3	0	100	0.00	0.0	1.931	0.000	3	0	1	1
PL.12251	PL.25176	A	1/0ACSR	7.38Y	123.0	0.01	3.03	12.48	4	90	19	98	0.04	0.0	1.968	0.037	0	0	0	17
		B		7.49Y	124.8	0.02	1.21	28.41	9	209	39	98					0	0	0	40
		C		7.47Y	124.5	-0.00	1.47	8.83	3	64	15	97					0	0	0	13
PL.12252	PL.12251	A	1/0ACSR	7.38Y	122.9	0.02	3.05	12.48	4	90	19	98	0.06	0.0	2.028	0.060	0	0	0	17
		B		7.49Y	124.8	0.03	1.24	27.95	8	206	38	98					0	0	0	39
		C		7.47Y	124.5	-0.01	1.46	3.29	1	23	8	95					0	0	0	4
PL.27052	PL.12252	C	4ACSR	7.47Y	124.5	0.00	1.46	1.62	1	12	2	99	0.00	0.0	2.034	0.005	0	0	0	3
PD.2123	PL.27052	C	fuse6AMP	7.47Y	124.5	0.00	1.46	1.62	28	12	2	99	0.00	0.0	2.034	0.000	0	0	0	3
PL.27053	PD.2123	C	4ACSR	7.47Y	124.5	0.00	1.46	1.62	1	12	2	99	0.00	0.0	2.075	0.042	0	0	0	3
PL.25175	PL.27053	C	4ACSR	7.47Y	124.5	0.00	1.47	0.77	0	6	1	99	0.00	0.0	2.121	0.046	0	0	0	1
071464	PL.25175	C	Consumer	7.47Y	124.5	0.00	1.47	0.77	0	6	1	99	0.00	0.0	2.121	0.000	6	1	1	1
0714106	PL.27053	C	Consumer	7.47Y	124.5	0.00	1.46	0.00	0	0	0	100	0.00	0.0	2.075	0.000	0	0	0	0
071465	PL.27053	C	Consumer	7.47Y	124.5	0.00	1.46	0.84	0	6	1	99	0.00	0.0	2.075	0.000	6	1	1	1
0714136	PL.27053	C	Consumer	7.47Y	124.5	0.00	1.46	0.00	0	0	0	100	0.00	0.0	2.075	0.000	0	0	1	1
PL.27050	PL.12252	A	4ACSR	7.38Y	122.9	0.00	3.05	0.25	0	2	0	100	0.00	0.0	2.034	0.005	0	0	0	1
PD.2122	PL.27050	A	fuse6AMP	7.38Y	122.9	0.00	3.05	0.25	4	2	0	100	0.00	0.0	2.034	0.000	0	0	0	1
PL.27051	PD.2122	A	4ACSR	7.38Y	122.9	0.00	3.05	0.25	0	2	0	100	0.00	0.0	2.104	0.071	0	0	0	1
071407	PL.27051	A	Consumer	7.38Y	122.9	0.00	3.05	0.25	0	2	0	100	0.00	0.0	2.104	0.000	2	0	1	1
PL.12253	PL.12252	A	1/0ACSR	7.38Y	122.9	0.03	3.08	12.23	4	88	18	98	0.06	0.0	2.098	0.070	0	0	0	16
		B		7.48Y	124.7	0.03	1.27	26.83	8	197	36	98					0	0	0	38
		C		7.47Y	124.6	-0.01	1.45	1.72	1	11	6	88					0	0	0	1
072476	PL.12253	B	Consumer	7.48Y	124.7	0.00	1.27	0.51	0	4	1	97	0.00	0.0	2.098	0.000	4	1	1	1
PL.12256	PL.12253	A	1/0ACSR	7.38Y	122.9	0.00	3.08	1.47	0	9	6	83	0.00	0.0	2.176	0.078	0	0	0	1
		B		7.48Y	124.7	0.00	1.28	1.45	0	9	6	85					0	0	0	0
		C		7.47Y	124.5	0.00	1.45	1.72	1	11	6	88					0	0	0	1

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

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.12257	PL.12256	A	1/0ACSR	7.38Y	122.9	0.00	3.08	1.47	0	9	6	83	0.00	0.0	2.240	0.064	0	0	0	0
		B		7.48Y	124.7	0.00	1.28	1.45	0	9	6	85					0	0	0	0
		C		7.47Y	124.5	0.00	1.45	1.45	0	9	6	85					0	0	0	0
PL.21358	PL.12257	A	1/0ACSR	7.37Y	122.9	0.00	3.08	1.47	0	9	6	83	0.00	0.0	2.273	0.033	0	0	0	0
		B		7.48Y	124.7	0.00	1.28	1.45	0	9	6	85					0	0	0	0
		C		7.47Y	124.5	0.00	1.46	1.45	0	9	6	85					0	0	0	0
PL.21359	PL.21358	A	1/0ACSR	7.37Y	122.9	0.00	3.08	1.47	0	9	6	83	0.00	0.0	2.293	0.021	0	0	0	0
		B		7.48Y	124.7	0.00	1.28	1.45	0	9	6	85					0	0	0	0
		C		7.47Y	124.5	0.00	1.46	1.45	0	9	6	85					0	0	0	0
0714124	PL.21359	A	Consumer	7.37Y	122.9	0.00	3.08	1.47	0	9	6	83	0.00	0.0	2.293	0.000	9	6	0	0
		B		7.48Y	124.7	0.00	1.28	1.45	0	9	6	85					9	6	0	0
		C		7.47Y	124.5	0.00	1.46	1.45	0	9	6	85					9	6	0	0
072455	PL.12256	A	Consumer	7.38Y	122.9	0.00	3.08	0.00	0	0	0	100	0.00	0.0	2.176	0.000	0	0	0	0
072423	PL.12256	A	Consumer	7.38Y	122.9	0.00	3.08	0.00	0	0	0	100	0.00	0.0	2.176	0.000	0	0	1	1
0724152	PL.12256	C	Consumer	7.47Y	124.5	0.00	1.45	0.28	0	2	0	100	0.00	0.0	2.176	0.000	2	0	1	1
PL.33026	PL.12253	A	4ACSR	7.37Y	122.9	0.01	3.08	10.86	6	79	13	99	0.00	0.0	2.109	0.012	0	0	0	15
C PD.3942	PL.33026	A	fuse6AMP	7.37Y	122.9	0.00	3.08	10.86	185	79	13	99	0.00	0.0	2.109	0.000	0	0	0	15 C
PL.33027	PD.3942	A	4ACSR	7.37Y	122.9	0.01	3.09	10.86	6	79	13	99	0.01	0.0	2.127	0.018	0	0	0	15
072417	PL.33027	A	Consumer	7.37Y	122.9	0.00	3.09	0.31	0	2	0	100	0.00	0.0	2.127	0.000	2	0	1	1
PL.12254	PL.33027	A	4ACSR	7.37Y	122.9	0.02	3.11	10.55	5	77	12	99	0.01	0.0	2.175	0.048	0	0	0	14
PL.12255	PL.12254	A	4ACSR	7.37Y	122.9	0.02	3.13	10.12	5	74	12	99	0.01	0.0	2.220	0.045	0	0	0	12
071412	PL.12255	A	Consumer	7.37Y	122.9	0.00	3.13	0.47	0	3	1	95	0.00	0.0	2.220	0.000	3	1	1	1
PL.12258	PL.12255	A	4ACSR	7.37Y	122.8	0.03	3.17	9.65	5	70	11	99	0.02	0.0	2.295	0.075	0	0	0	11
PL.25170	PL.12258	A	4ACSR	7.37Y	122.8	0.00	3.17	0.32	0	2	0	100	0.00	0.0	2.371	0.076	0	0	0	2
071404	PL.25170	A	Consumer	7.37Y	122.8	0.00	3.17	0.19	0	1	0	100	0.00	0.0	2.371	0.000	1	0	1	1
071411	PL.25170	A	Consumer	7.37Y	122.8	0.00	3.17	0.00	0	0	0	100	0.00	0.0	2.371	0.000	0	0	0	0
PL.25171	PL.25170	A	4ACSR	7.37Y	122.8	0.00	3.17	0.12	0	1	0	100	0.00	0.0	2.411	0.040	0	0	0	1
PL.4917	PL.25171	A	4ACSR	7.37Y	122.8	0.00	3.17	0.00	0	0	0	100	0.00	0.0	2.477	0.066	0	0	0	0
PL.4918	PL.4917	A	4ACSR	7.37Y	122.8	0.00	3.17	0.00	0	0	0	100	0.00	0.0	2.538	0.062	0	0	0	0
0724118	PL.4918	A	Consumer	7.37Y	122.8	0.00	3.17	0.00	0	0	0	100	0.00	0.0	2.538	0.000	0	0	0	0
0714118	PL.25171	A	Consumer	7.37Y	122.8	0.00	3.17	0.12	0	1	0	100	0.00	0.0	2.411	0.000	1	0	1	1
PL.12259	PL.12258	A	4ACSR	7.37Y	122.8	0.02	3.19	9.34	5	68	11	99	0.01	0.0	2.356	0.061	0	0	0	9
PL.7597	PL.12259	A	4ACSR	7.37Y	122.8	0.01	3.20	9.34	5	68	11	99	0.01	0.0	2.391	0.036	0	0	0	9
PL.7598	PL.7597	A	4ACSR	7.37Y	122.8	0.02	3.23	8.27	4	60	10	99	0.01	0.0	2.449	0.058	0	0	0	8
PL.12260	PL.7598	A	4ACSR	7.36Y	122.7	0.03	3.26	6.00	3	44	7	99	0.01	0.0	2.573	0.124	0	0	0	6
PL.4888	PL.12260	A	4ACSR	7.36Y	122.7	0.01	3.26	0.95	0	7	1	99	0.00	0.0	2.704	0.130	0	0	0	1
071498	PL.4888	A	Consumer	7.36Y	122.7	0.00	3.26	0.00	0	0	0	100	0.00	0.0	2.704	0.000	0	0	0	0
0714137	PL.4888	A	Consumer	7.36Y	122.7	0.00	3.26	0.95	0	7	1	99	0.00	0.0	2.704	0.000	7	1	1	1
PL.4894	PL.12260	A	4ACSR	7.36Y	122.7	0.00	3.26	1.66	1	12	2	99	0.00	0.0	2.624	0.050	0	0	0	2
0714120	PL.4894	A	Consumer	7.36Y	122.7	0.00	3.26	1.07	0	8	1	99	0.00	0.0	2.624	0.000	8	1	1	1
0714132	PL.4894	A	Consumer	7.36Y	122.7	0.00	3.26	0.59	0	4	1	97	0.00	0.0	2.624	0.000	4	1	1	1
PL.12261	PL.12260	A	4ACSR	7.36Y	122.7	0.01	3.26	3.38	2	25	4	99	0.00	0.0	2.611	0.038	0	0	0	3

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.12720	PL.12261	A	4ACSR	7.36Y	122.7	0.01	3.27	2.19	1	16	3	98	0.00	0.0	2.703	0.091	0	0	0	2
0714123	PL.12720	A	Consumer	7.36Y	122.7	0.00	3.27	1.35	0	10	2	98	0.00	0.0	2.703	0.000	10	2	1	1
071496	PL.12720	A	Consumer	7.36Y	122.7	0.00	3.27	0.84	0	6	1	99	0.00	0.0	2.703	0.000	6	1	1	1
PL.4893	PL.12261	A	4ACSR	7.36Y	122.7	0.00	3.27	1.19	1	9	1	99	0.00	0.0	2.654	0.043	0	0	0	1
071482	PL.4893	A	Consumer	7.36Y	122.7	0.00	3.27	1.19	0	9	1	99	0.00	0.0	2.654	0.000	9	1	1	1
071499	PL.7598	A	Consumer	7.37Y	122.8	0.00	3.23	1.37	0	10	2	98	0.00	0.0	2.449	0.000	10	2	1	1
PL.4889	PL.7598	A	4ACSR	7.37Y	122.8	0.00	3.23	0.91	0	7	1	99	0.00	0.0	2.468	0.020	0	0	0	1
071495	PL.4889	A	Consumer	7.37Y	122.8	0.00	3.23	0.91	0	7	1	99	0.00	0.0	2.468	0.000	7	1	1	1
0714128	PL.7597	A	Consumer	7.37Y	122.8	0.00	3.20	1.07	0	8	1	99	0.00	0.0	2.391	0.000	8	1	1	1
071403	PL.12259	A	Consumer	7.37Y	122.8	0.00	3.19	0.00	0	0	0	100	0.00	0.0	2.356	0.000	0	0	0	0
0714108	PL.12254	A	Consumer	7.37Y	122.9	0.00	3.11	0.00	0	0	0	100	0.00	0.0	2.175	0.000	0	0	1	1
071418	PL.12254	A	Consumer	7.37Y	122.9	0.00	3.11	0.42	0	3	0	100	0.00	0.0	2.175	0.000	3	0	1	1
PL.15622	PL.12253	A	336ACSR	7.38Y	122.9	0.00	3.08	0.00	0	0	0	100	0.00	0.0	2.103	0.006	0	0	0	0
		B		7.48Y	124.7	0.00	1.27	0.00	0	0	0	100					0	0	0	0
		C		7.47Y	124.6	0.00	1.45	0.00	0	0	0	100					0	0	0	0
SW32-A	PL.15622	A	Open	7.38Y	122.9	0.00	3.08	0.00	0	0	0	100	0.00	0.0	2.103	0.000	0	0	0	0
		B		7.48Y	124.7	0.00	1.27	0.00	0	0	0	100					0	0	0	0
		C		7.47Y	124.6	0.00	1.45	0.00	0	0	0	100					0	0	0	0
PL.15620	PL.12253	B	4ACSR	7.48Y	124.6	0.12	1.39	24.98	13	184	30	99	0.17	0.1	2.209	0.111	0	0	0	37
PD.3423	PL.15620	B	50E	7.48Y	124.6	0.00	1.39	24.98	50	184	30	99	0.00	0.0	2.209	0.000	0	0	0	37
PL.15621	PD.3423	B	4ACSR	7.48Y	124.6	0.01	1.40	24.98	13	184	30	99	0.01	0.0	2.214	0.005	0	0	0	37
PL.12721	PL.15621	B	4ACSR	7.47Y	124.6	0.03	1.43	22.98	12	170	28	99	0.04	0.0	2.248	0.034	0	0	0	35
072428	PL.12721	B	Consumer	7.47Y	124.6	0.00	1.43	0.39	0	3	0	100	0.00	0.0	2.248	0.000	3	0	1	1
072447	PL.12721	B	Consumer	7.47Y	124.6	0.00	1.43	0.11	0	1	0	100	0.00	0.0	2.248	0.000	1	0	1	1
072458	PL.12721	B	Consumer	7.47Y	124.6	0.00	1.43	1.47	0	11	2	98	0.00	0.0	2.248	0.000	11	2	1	1
PL.26232	PL.12721	B	4ACSR	7.47Y	124.5	0.05	1.49	21.01	11	155	25	99	0.06	0.0	2.307	0.059	0	0	0	32
PL.15629	PL.26232	B	4ACSR	7.47Y	124.5	0.00	1.49	0.14	0	1	0	100	0.00	0.0	2.313	0.005	0	0	0	1
PD.2129	PL.15629	B	fuse6AMP	7.47Y	124.5	0.00	1.49	0.14	2	1	0	100	0.00	0.0	2.313	0.000	0	0	0	1
PL.15630	PD.2129	B	4ACSR	7.47Y	124.5	0.00	1.49	0.14	0	1	0	100	0.00	0.0	2.380	0.068	0	0	0	1
072467	PL.15630	B	Consumer	7.47Y	124.5	0.00	1.49	0.14	0	1	0	100	0.00	0.0	2.380	0.000	1	0	1	1
PL.26233	PL.26232	B	4ACSR	7.47Y	124.5	0.02	1.51	20.86	11	154	25	99	0.02	0.0	2.330	0.023	0	0	0	31
PL.26066	PL.26233	B	4ACSR	7.47Y	124.4	0.06	1.56	20.20	10	149	24	99	0.06	0.0	2.395	0.064	0	0	0	30
PL.20079	PL.26066	B	4ACSR	7.46Y	124.4	0.06	1.62	18.71	10	138	22	99	0.06	0.0	2.465	0.070	0	0	0	28
072452	PL.20079	B	Consumer	7.46Y	124.4	0.00	1.62	1.02	0	8	1	99	0.00	0.0	2.465	0.000	8	1	1	1
PL.20078	PL.20079	B	4ACSR	7.46Y	124.4	0.02	1.64	17.68	9	130	21	99	0.02	0.0	2.493	0.029	0	0	0	27
PL.45396	PL.20078	B	2ACSR	7.46Y	124.4	0.00	1.64	0.00	0	0	0	100	0.00	0.0	2.509	0.015	0	0	0	0
0724170	PL.45396	B	Consumer	7.46Y	124.4	0.00	1.64	0.00	0	0	0	100	0.00	0.0	2.509	0.000	0	0	0	0
PL.25168	PL.20078	B	4ACSR	7.46Y	124.3	0.03	1.67	16.53	9	122	20	99	0.03	0.0	2.534	0.041	0	0	0	25
PL.26065	PL.25168	B	4ACSR	7.46Y	124.3	0.00	1.68	16.53	9	122	20	99	0.00	0.0	2.539	0.005	0	0	0	25
PL.15633	PL.26065	B	4ACSR	7.46Y	124.3	0.00	1.68	14.24	7	105	17	99	0.00	0.0	2.545	0.005	0	0	0	17

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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.3426	PL.15633	B	25V4E	7.46Y	124.3	0.00	1.68	14.24	57	105	17	99	0.00	0.0	2.545	0.000	0	0	0	17
PL.15634	PD.3426	B	4ACSR	7.46Y	124.3	0.03	1.71	14.24	7	105	17	99	0.02	0.0	2.590	0.045	0	0	0	17
PL.26063	PL.15634	B	4ACSR	7.46Y	124.3	0.04	1.75	13.72	7	101	16	99	0.03	0.0	2.662	0.072	0	0	0	16
0724140	PL.26063	B	Consumer	7.46Y	124.3	0.00	1.75	1.41	0	10	2	98	0.00	0.0	2.662	0.000	10	2	1	1
PL.26064	PL.26063	B	4ACSR	7.45Y	124.2	0.03	1.78	12.31	6	91	15	99	0.02	0.0	2.728	0.066	0	0	0	15
PL.12766	PL.26064	B	4ACSR	7.45Y	124.1	0.10	1.88	12.31	6	91	15	99	0.06	0.1	2.907	0.179	0	0	0	15
PL.34790	PL.12766	B	4ACSR	7.45Y	124.1	0.00	1.88	1.69	1	12	2	99	0.00	0.0	2.916	0.009	0	0	0	2
PD.4964	PL.34790	B	fuse6AMP	7.45Y	124.1	0.00	1.88	1.69	29	12	2	99	0.00	0.0	2.916	0.000	0	0	0	2
PL.34791	PD.4964	B	4ACSR	7.45Y	124.1	0.00	1.88	1.69	1	12	2	99	0.00	0.0	2.945	0.029	0	0	0	2
PL.4800	PL.34791	B	4ACSR	7.45Y	124.1	0.01	1.89	1.69	1	12	2	99	0.00	0.0	3.021	0.077	0	0	0	2
PL.4801	PL.4800	B	4ACSR	7.45Y	124.1	0.00	1.89	1.69	1	12	2	99	0.00	0.0	3.033	0.011	0	0	0	2
PL.3448	PL.4801	B	4ACSR	7.45Y	124.1	0.01	1.90	1.69	1	12	2	99	0.00	0.0	3.217	0.185	0	0	0	2
517201	PL.3448	B	Consumer	7.45Y	124.1	0.00	1.90	1.02	0	7	1	99	0.00	0.0	3.217	0.000	7	1	1	1
PL.3455	PL.3448	B	4ACSR	7.45Y	124.1	0.00	1.90	0.68	0	5	1	98	0.00	0.0	3.252	0.035	0	0	0	1
517202	PL.3455	B	Consumer	7.45Y	124.1	0.00	1.90	0.68	0	5	1	98	0.00	0.0	3.252	0.000	5	1	1	1
PL.34788	PL.12766	B	4ACSR	7.45Y	124.1	0.00	1.88	1.66	1	12	2	99	0.00	0.0	2.916	0.009	0	0	0	1
PD.4963	PL.34788	B	fuse6AMP	7.45Y	124.1	0.00	1.88	1.66	28	12	2	99	0.00	0.0	2.916	0.000	0	0	0	1
PL.34789	PD.4963	B	4ACSR	7.45Y	124.1	0.00	1.88	1.66	1	12	2	99	0.00	0.0	2.957	0.041	0	0	0	1
072517	PL.34789	B	Consumer	7.45Y	124.1	0.00	1.88	1.66	0	12	2	99	0.00	0.0	2.957	0.000	12	2	1	1
PL.12767	PL.12766	B	4ACSR	7.45Y	124.1	0.02	1.90	8.95	5	66	11	99	0.01	0.0	2.949	0.042	0	0	0	12
PL.34792	PL.12767	B	4ACSR	7.45Y	124.1	0.00	1.90	3.72	2	27	4	99	0.00	0.0	2.958	0.009	0	0	0	2
PD.4965	PL.34792	B	fuse6AMP	7.45Y	124.1	0.00	1.90	3.72	64	27	4	99	0.00	0.0	2.958	0.000	0	0	0	2
PL.34793	PD.4965	B	4ACSR	7.45Y	124.1	0.01	1.90	3.72	2	27	4	99	0.00	0.0	2.994	0.036	0	0	0	2
072523	PL.34793	B	Consumer	7.45Y	124.1	0.00	1.90	1.78	0	13	2	99	0.00	0.0	2.994	0.000	13	2	1	1
072514	PL.34793	B	Consumer	7.45Y	124.1	0.00	1.90	1.94	0	14	2	99	0.00	0.0	2.994	0.000	14	2	1	1
PL.12768	PL.12767	B	4ACSR	7.44Y	124.1	0.03	1.93	5.23	3	38	6	99	0.01	0.0	3.081	0.132	0	0	0	10
072513	PL.12768	B	Consumer	7.44Y	124.1	0.00	1.93	0.93	0	7	1	99	0.00	0.0	3.081	0.000	7	1	1	1
072502	PL.12768	B	Consumer	7.44Y	124.1	0.00	1.93	0.85	0	6	1	99	0.00	0.0	3.081	0.000	6	1	1	1
PL.12769	PL.12768	B	4ACSR	7.44Y	124.1	0.01	1.93	1.61	1	12	2	99	0.00	0.0	3.195	0.114	0	0	0	4
PL.15637	PL.12769	B	4ACSR	7.44Y	124.1	0.00	1.93	0.67	0	5	1	98	0.00	0.0	3.200	0.006	0	0	0	2
PL.15638	PL.15637	B	4ACSR	7.44Y	124.1	0.01	1.94	0.67	0	5	1	98	0.00	0.0	3.592	0.392	0	0	0	2
PL.8204	PL.15638	B	4ACSR	7.44Y	124.1	0.00	1.95	0.67	0	5	1	98	0.00	0.0	3.755	0.163	0	0	0	2
PL.8205	PL.8204	B	4ACSR	7.44Y	124.1	0.00	1.95	0.07	0	1	0	100	0.00	0.0	3.827	0.072	0	0	0	1
073522	PL.8205	B	Consumer	7.44Y	124.1	0.00	1.95	0.07	0	1	0	100	0.00	0.0	3.827	0.000	1	0	1	1
073430	PL.8204	B	Consumer	7.44Y	124.1	0.00	1.95	0.00	0	0	0	100	0.00	0.0	3.755	0.000	0	0	0	0
073407	PL.8204	B	Consumer	7.44Y	124.1	0.00	1.95	0.60	0	4	1	97	0.00	0.0	3.755	0.000	4	1	1	1
PL.15639	PL.12769	B	4ACSR	7.44Y	124.1	0.00	1.93	0.94	0	7	1	99	0.00	0.0	3.200	0.005	0	0	0	2
PD.2126	PL.15639	B	fuse6AMP	7.44Y	124.1	0.00	1.93	0.94	16	7	1	99	0.00	0.0	3.200	0.000	0	0	0	2

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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.21410	PD.2126	B	4ACSR	7.44Y	124.1	0.00	1.93	0.94	0	7	1	99	0.00	0.0	3.227	0.027	0	0	0	2
PL.21411	PL.21410	B	4ACSR	7.44Y	124.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	3.266	0.040	0	0	0	1
PL.8170	PL.21411	B	4ACSR	7.44Y	124.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	3.268	0.001	0	0	0	0
072413	PL.21411	B	Consumer	7.44Y	124.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	3.266	0.000	0	0	1	1
072521	PL.21410	B	Consumer	7.44Y	124.1	0.00	1.93	0.94	0	7	1	99	0.00	0.0	3.227	0.000	7	1	1	1
PL.34824	PL.12768	B	4ACSR	7.44Y	124.1	0.00	1.93	1.84	1	14	2	99	0.00	0.0	3.085	0.004	0	0	0	4
PD.4967	PL.34824	B	fuse6AMP	7.44Y	124.1	0.00	1.93	1.84	31	14	2	99	0.00	0.0	3.085	0.000	0	0	0	4
PL.34827	PD.4967	B	4ACSR	7.44Y	124.1	0.00	1.93	1.84	1	14	2	99	0.00	0.0	3.089	0.005	0	0	0	4
PL.34826	PL.34827	B	4ACSR	7.44Y	124.1	0.00	1.93	0.03	0	0	0	100	0.00	0.0	3.115	0.026	0	0	0	1
072501	PL.34826	B	Consumer	7.44Y	124.1	0.00	1.93	0.03	0	0	0	100	0.00	0.0	3.115	0.000	0	0	1	1
PL.34828	PL.34827	B	4ACSR	7.44Y	124.1	0.00	1.93	1.82	1	13	2	99	0.00	0.0	3.133	0.043	0	0	0	3
072520	PL.34828	B	Consumer	7.44Y	124.1	0.00	1.93	0.96	0	7	1	99	0.00	0.0	3.133	0.000	7	1	1	1
PL.8168	PL.34828	B	4ACSR	7.44Y	124.1	0.00	1.93	0.85	0	6	1	99	0.00	0.0	3.182	0.049	0	0	0	2
072522	PL.8168	B	Consumer	7.44Y	124.1	0.00	1.93	0.28	0	2	0	100	0.00	0.0	3.182	0.000	2	0	1	1
072503	PL.8168	B	Consumer	7.44Y	124.1	0.00	1.93	0.57	0	4	1	97	0.00	0.0	3.182	0.000	4	1	1	1
072412	PL.26064	B	Consumer	7.45Y	124.2	0.00	1.78	0.00	0	0	0	100	0.00	0.0	2.728	0.000	0	0	0	0
0724103	PL.15634	B	Consumer	7.46Y	124.3	0.00	1.71	0.52	0	4	1	97	0.00	0.0	2.590	0.000	4	1	1	1
PL.15635	PL.26065	B	4ACSR	7.46Y	124.3	0.00	1.68	2.28	1	17	3	98	0.00	0.0	2.545	0.006	0	0	0	8
PD.3425	PL.15635	B	25V4E	7.46Y	124.3	0.00	1.68	2.28	9	17	3	98	0.00	0.0	2.545	0.000	0	0	0	8
PL.15636	PD.3425	B	4ACSR	7.46Y	124.3	0.02	1.69	2.28	1	17	3	98	0.00	0.0	2.718	0.173	0	0	0	8
072416	PL.15636	B	Consumer	7.46Y	124.3	0.00	1.69	0.38	0	3	0	100	0.00	0.0	2.718	0.000	3	0	1	1
0724171	PL.15636	B	Consumer	7.46Y	124.3	0.00	1.69	0.00	0	0	0	100	0.00	0.0	2.718	0.000	0	0	0	0
PL.26067	PL.15636	B	4ACSR	7.46Y	124.3	0.00	1.70	0.49	0	4	1	97	0.00	0.0	2.805	0.087	0	0	0	5
PL.26068	PL.26067	B	4ACSR	7.46Y	124.3	0.00	1.70	0.00	0	0	0	100	0.00	0.0	3.056	0.251	0	0	0	0
SW31-A	PL.26068	B	Open	7.46Y	124.3	0.00	1.70	0.00	0	0	0	100	0.00	0.0	3.056	0.000	0	0	0	0
072436	PL.26067	B	Consumer	7.46Y	124.3	0.00	1.70	0.09	0	1	0	100	0.00	0.0	2.805	0.000	1	0	1	1
0724160	PL.26067	B	Consumer	7.46Y	124.3	0.00	1.70	0.07	0	0	0	100	0.00	0.0	2.805	0.000	0	0	1	1
0724150	PL.26067	B	Consumer	7.46Y	124.3	0.00	1.70	0.07	0	0	0	100	0.00	0.0	2.805	0.000	0	0	1	1
PL.34786	PL.26067	B	4ACSR	7.46Y	124.3	0.00	1.70	0.27	0	2	0	100	0.00	0.0	2.822	0.017	0	0	0	2
PD.4962	PL.34786	B	fuse6AMP	7.46Y	124.3	0.00	1.70	0.27	5	2	0	100	0.00	0.0	2.822	0.000	0	0	0	2
PL.34787	PD.4962	B	4ACSR	7.46Y	124.3	0.00	1.70	0.27	0	2	0	100	0.00	0.0	2.892	0.070	0	0	0	2
072451	PL.34787	B	Consumer	7.46Y	124.3	0.00	1.70	0.00	0	0	0	100	0.00	0.0	2.892	0.000	0	0	0	0
072442	PL.34787	B	Consumer	7.46Y	124.3	0.00	1.70	0.04	0	0	0	100	0.00	0.0	2.892	0.000	0	0	1	1
072465	PL.34787	B	Consumer	7.46Y	124.3	0.00	1.70	0.22	0	2	0	100	0.00	0.0	2.892	0.000	2	0	1	1
PL.8181	PL.34787	B	4ACSR	7.46Y	124.3	0.00	1.70	0.00	0	0	0	100	0.00	0.0	2.930	0.038	0	0	0	0
PL.8182	PL.8181	B	4ACSR	7.46Y	124.3	0.00	1.70	0.00	0	0	0	100	0.00	0.0	2.930	0.000	0	0	0	0
PL.34784	PL.15636	B	4ACSR	7.46Y	124.3	0.00	1.69	1.41	1	10	2	98	0.00	0.0	2.732	0.014	0	0	0	2
PD.4961	PL.34784	B	fuse6AMP	7.46Y	124.3	0.00	1.69	1.41	24	10	2	98	0.00	0.0	2.732	0.000	0	0	0	2

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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PL.34785	PD.4961	B	4ACSR	7.46Y	124.3	0.00	1.70	1.41	1	10	2	98	0.00	0.0	2.805	0.073	0	0	0	2	
PL.4796	PL.34785	B	4ACSR	7.46Y	124.3	0.00	1.70	0.78	0	6	1	99	0.00	0.0	2.844	0.039	0	0	0	1	
PL.4794	PL.4796	B	4ACSR	7.46Y	124.3	0.00	1.70	0.78	0	6	1	99	0.00	0.0	2.903	0.059	0	0	0	1	
PL.4795	PL.4794	B	4ACSR	7.46Y	124.3	0.00	1.71	0.78	0	6	1	99	0.00	0.0	3.002	0.099	0	0	0	1	
PL.4791	PL.4795	B	4ACSR	7.46Y	124.3	0.00	1.71	0.78	0	6	1	99	0.00	0.0	3.041	0.039	0	0	0	1	
PL.4790	PL.4791	B	4ACSR	7.46Y	124.3	0.00	1.71	0.78	0	6	1	99	0.00	0.0	3.087	0.047	0	0	0	1	
072450	PL.4790	B	Consumer	7.46Y	124.3	0.00	1.71	0.78	0	6	1	99	0.00	0.0	3.087	0.000	6	1	1	1	
0724141	PL.34785	B	Consumer	7.46Y	124.3	0.00	1.70	0.63	0	5	1	98	0.00	0.0	2.805	0.000	5	1	1	1	
072456	PL.20078	B	Consumer	7.46Y	124.4	0.00	1.64	1.15	0	8	1	99	0.00	0.0	2.493	0.000	8	1	1	1	
072464	PL.20078	B	Consumer	7.46Y	124.4	0.00	1.64	0.01	0	0	0	100	0.00	0.0	2.493	0.000	0	0	1	1	
072409	PL.26066	B	Consumer	7.47Y	124.4	0.00	1.56	1.15	0	8	1	99	0.00	0.0	2.395	0.000	8	1	1	1	
072418	PL.26066	B	Consumer	7.47Y	124.4	0.00	1.56	0.35	0	3	0	100	0.00	0.0	2.395	0.000	3	0	1	1	
PL.15631	PL.26233	B	4ACSR	7.47Y	124.5	0.00	1.51	0.66	0	5	1	98	0.00	0.0	2.336	0.006	0	0	0	1	
PD.2130	PL.15631	B	fuse6AMP	7.47Y	124.5	0.00	1.51	0.66	11	5	1	98	0.00	0.0	2.336	0.000	0	0	0	1	
PL.15632	PD.2130	B	4ACSR	7.47Y	124.5	0.00	1.51	0.66	0	5	1	98	0.00	0.0	2.431	0.095	0	0	0	1	
072419	PL.15632	B	Consumer	7.47Y	124.5	0.00	1.51	0.66	0	5	1	98	0.00	0.0	2.431	0.000	5	1	1	1	
PL.15627	PL.15621	B	4ACSR	7.48Y	124.6	0.00	1.40	2.00	1	15	2	99	0.00	0.0	2.220	0.005	0	0	0	2	
PD.2128	PL.15627	B	fuse6AMP	7.48Y	124.6	0.00	1.40	2.00	34	15	2	99	0.00	0.0	2.220	0.000	0	0	0	2	
PL.15628	PD.2128	B	4ACSR	7.48Y	124.6	0.01	1.41	2.00	1	15	2	99	0.00	0.0	2.306	0.086	0	0	0	2	
072438	PL.15628	B	Consumer	7.48Y	124.6	0.00	1.41	1.23	0	9	1	99	0.00	0.0	2.306	0.000	9	1	1	1	
PL.4924	PL.15628	B	4ACSR	7.48Y	124.6	0.00	1.41	0.77	0	6	1	99	0.00	0.0	2.344	0.038	0	0	0	1	
0724137	PL.4924	B	Consumer	7.48Y	124.6	0.00	1.41	0.77	0	6	1	99	0.00	0.0	2.344	0.000	6	1	1	1	
0724169	PL.4924	B	Consumer	7.48Y	124.6	0.00	1.41	0.00	0	0	0	100	0.00	0.0	2.344	0.000	0	0	0	0	
071443	PL.12252	B	Consumer	7.49Y	124.8	0.00	1.24	1.13	0	8	1	99	0.00	0.0	2.028	0.000	8	1	1	1	
0714103	PL.12251	B	Consumer	7.49Y	124.8	0.00	1.21	0.48	0	3	2	83	0.00	0.0	1.968	0.000	3	2	1	1	
PL.27048	PL.12251	C	4ACSR	7.47Y	124.5	0.00	1.47	5.57	3	41	7	99	0.00	0.0	1.973	0.005	0	0	0	9	
C PD.2121	PL.27048	C	fuse6AMP	7.47Y	124.5	0.00	1.47	5.57	95	41	7	99	0.00	0.0	1.973	0.000	0	0	0	9	C
PL.27049	PD.2121	C	4ACSR	7.47Y	124.5	0.01	1.48	5.57	3	41	7	99	0.00	0.0	2.016	0.042	0	0	0	9	
PL.4892	PL.27049	C	4ACSR	7.47Y	124.5	0.01	1.49	5.57	3	41	7	99	0.00	0.0	2.045	0.029	0	0	0	9	
071497	PL.4892	C	Consumer	7.47Y	124.5	0.00	1.49	0.82	0	6	1	99	0.00	0.0	2.045	0.000	6	1	1	1	
071454	PL.4892	C	Consumer	7.47Y	124.5	0.00	1.49	0.31	0	2	0	100	0.00	0.0	2.045	0.000	2	0	1	1	
0714133	PL.4892	C	Consumer	7.47Y	124.5	0.00	1.49	0.17	0	1	1	71	0.00	0.0	2.045	0.000	1	1	1	1	
071481	PL.4892	C	Consumer	7.47Y	124.5	0.00	1.49	0.88	0	6	1	99	0.00	0.0	2.045	0.000	6	1	1	1	
071489	PL.4892	C	Consumer	7.47Y	124.5	0.00	1.49	0.96	0	7	1	99	0.00	0.0	2.045	0.000	7	1	1	1	
PL.4890	PL.4892	C	4ACSR	7.47Y	124.5	0.00	1.49	2.43	1	18	3	99	0.00	0.0	2.073	0.028	0	0	0	4	
PL.4891	PL.4890	C	4ACSR	7.47Y	124.5	0.00	1.49	1.66	1	12	2	99	0.00	0.0	2.096	0.023	0	0	0	3	
071488	PL.4891	C	Consumer	7.47Y	124.5	0.00	1.49	0.83	0	6	1	99	0.00	0.0	2.096	0.000	6	1	1	1	
071451	PL.4891	C	Consumer	7.47Y	124.5	0.00	1.49	0.22	0	2	0	100	0.00	0.0	2.096	0.000	2	0	1	1	

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Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
0714149	PL.4891	C	Consumer	7.47Y	124.5	0.00	1.49	0.61	0	5	1	98	0.00	0.0	2.096	0.000	0	0	0	1	
071487	0714149	C	Consumer	7.47Y	124.5	0.00	1.49	0.61	0	5	1	98	0.00	0.0	2.096	0.000	5	1	1	1	
071486	PL.4890	C	Consumer	7.47Y	124.5	0.00	1.49	0.78	0	6	1	99	0.00	0.0	2.073	0.000	6	1	1	1	
071433	PL.19943	B	Consumer	7.49Y	124.8	0.00	1.17	0.08	0	1	0	100	0.00	0.0	1.887	0.000	1	0	1	1	
071420	PL.19943	B	Consumer	7.49Y	124.8	0.00	1.17	0.21	0	2	0	100	0.00	0.0	1.887	0.000	2	0	1	1	
0714141	PL.19943	B	Consumer	7.49Y	124.8	0.00	1.17	0.01	0	0	0	100	0.00	0.0	1.887	0.000	0	0	1	1	
PL.21407	PL.19943	A	4ACSR	7.38Y	123.0	0.00	3.01	1.56	1	11	2	98	0.00	0.0	1.892	0.005	0	0	0	5	
PD.3501	PL.21407	A	fuse6AMP	7.38Y	123.0	0.00	3.01	1.56	27	11	2	98	0.00	0.0	1.892	0.000	0	0	0	5	
PL.21408	PD.3501	A	4ACSR	7.38Y	123.0	0.00	3.01	1.56	1	11	2	98	0.00	0.0	1.948	0.056	0	0	0	5	
PL.4895	PL.21408	A	4ACSR	7.38Y	123.0	0.00	3.01	0.93	0	7	1	99	0.00	0.0	1.981	0.032	0	0	0	3	
071419	PL.4895	A	Consumer	7.38Y	123.0	0.00	3.01	0.10	0	1	0	100	0.00	0.0	1.981	0.000	1	0	1	1	
071406	PL.4895	A	Consumer	7.38Y	123.0	0.00	3.01	0.39	0	3	0	100	0.00	0.0	1.981	0.000	3	0	1	1	
0714102	PL.4895	A	Consumer	7.38Y	123.0	0.00	3.01	0.43	0	3	1	95	0.00	0.0	1.981	0.000	3	1	1	1	
PL.25173	PL.21408	A	4ACSR	7.38Y	123.0	0.00	3.01	0.63	0	5	1	98	0.00	0.0	1.976	0.027	0	0	0	2	
PL.25174	PL.25173	A	4ACSR	7.38Y	123.0	0.00	3.01	0.20	0	1	0	100	0.00	0.0	1.988	0.013	0	0	0	1	
071457	PL.25174	A	Consumer	7.38Y	123.0	0.00	3.01	0.00	0	0	0	100	0.00	0.0	1.988	0.000	0	0	0	0	
071432	PL.25174	A	Consumer	7.38Y	123.0	0.00	3.01	0.20	0	1	0	100	0.00	0.0	1.988	0.000	1	0	1	1	
071461	PL.25173	A	Consumer	7.38Y	123.0	0.00	3.01	0.43	0	3	1	95	0.00	0.0	1.976	0.000	3	1	1	1	
071475	PL.19942	B	Consumer	7.49Y	124.9	0.00	1.12	0.00	0	0	0	100	0.00	0.0	1.808	0.000	0	0	1	1	
071469	PL.19942	B	Consumer	7.49Y	124.9	0.00	1.12	0.00	0	0	0	100	0.00	0.0	1.808	0.000	0	0	0	0	
071408	PL.12607	C	Consumer	7.47Y	124.5	0.00	1.46	0.42	0	3	1	95	0.00	0.0	1.601	0.000	3	1	1	1	
PL.15499	PL.7743	B	4ACSR	7.50Y	125.1	0.00	0.94	0.61	0	5	1	98	0.00	0.0	1.503	0.005	0	0	0	1	
PD.2930	PL.15499	B	fuse6AMP	7.50Y	125.1	0.00	0.94	0.61	10	5	1	98	0.00	0.0	1.503	0.000	0	0	0	1	
PL.15500	PD.2930	B	4ACSR	7.50Y	125.1	0.00	0.94	0.61	0	5	1	98	0.00	0.0	1.598	0.094	0	0	0	1	
629302	PL.15500	B	Consumer	7.50Y	125.1	0.00	0.94	0.61	0	5	1	98	0.00	0.0	1.598	0.000	5	1	1	1	
PL.15497	PL.7743	A	4ACSR	7.39Y	123.1	0.02	2.91	67.41	35	491	84	99	0.06	0.0	1.503	0.005	0	0	0	121	
PD.2360-A	PL.15497	A	Closed	7.39Y	123.1	0.00	2.91	67.41	0	491	84	99	0.00	0.0	1.503	0.000	0	0	0	121	
PD.2360-B	PD.2360-A	A	Closed	7.39Y	123.1	0.00	2.91	67.41	0	491	84	99	0.00	0.0	1.503	0.000	0	0	0	121	
PL.15498	PD.2360-B	A	1/0ACSR	7.38Y	123.0	0.05	2.96	67.41	20	491	84	99	0.18	0.0	1.540	0.036	0	0	0	121	
629405	PL.15498	A	Consumer	7.38Y	123.0	0.00	2.96	1.22	0	9	1	99	0.00	0.0	1.540	0.000	9	1	1	1	
629407	PL.15498	A	Consumer	7.38Y	123.0	0.00	2.96	0.02	0	0	0	100	0.00	0.0	1.540	0.000	0	0	1	1	
PL.7451	PL.15498	A	1/0ACSR	7.38Y	123.0	0.06	3.02	66.17	20	482	82	99	0.18	0.0	1.578	0.039	0	0	0	119	
PL.15495	PL.7451	A	4ACSR	7.38Y	123.0	0.02	3.03	64.86	33	472	80	99	0.06	0.0	1.584	0.005	0	0	0	116	
C PD.3575	PL.15495	A	70V4E	7.38Y	123.0	0.00	3.03	64.86	93	472	80	99	0.00	0.0	1.584	0.000	0	0	0	116	C
PL.15496	PD.3575	A	1/0ACSR	7.37Y	122.8	0.16	3.19	64.86	20	472	80	99	0.52	0.1	1.698	0.114	0	0	0	116	
PL.38901	PL.15496	A	4ACSR	7.37Y	122.8	0.00	3.19	0.86	0	6	1	99	0.00	0.0	1.701	0.003	0	0	0	3	
PD.6762	PL.38901	A	fuse6AMP	7.37Y	122.8	0.00	3.19	0.86	15	6	1	99	0.00	0.0	1.701	0.000	0	0	0	3	
PL.38902	PD.6762	A	4ACSR	7.37Y	122.8	0.00	3.19	0.86	0	6	1	99	0.00	0.0	1.704	0.003	0	0	0	3	

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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.15494	PL.38902	A	4ACSR	7.37Y	122.8	0.00	3.19	0.86	0	6	1	99	0.00	0.0	1.740	0.036	0	0	0	3
629203	PL.15494	A	Consumer	7.37Y	122.8	0.00	3.19	0.19	0	1	0	100	0.00	0.0	1.740	0.000	1	0	1	1
629201	PL.15494	A	Consumer	7.37Y	122.8	0.00	3.19	0.14	0	1	0	100	0.00	0.0	1.740	0.000	1	0	1	1
628201	PL.15494	A	Consumer	7.37Y	122.8	0.00	3.19	0.53	0	4	1	97	0.00	0.0	1.740	0.000	4	1	1	1
629202	PL.15496	A	Consumer	7.37Y	122.8	0.00	3.19	0.20	0	1	0	100	0.00	0.0	1.698	0.000	1	0	1	1
629204	PL.15496	A	Consumer	7.37Y	122.8	0.00	3.19	0.25	0	2	0	100	0.00	0.0	1.698	0.000	2	0	1	1
PL.12610	PL.15496	A	4ACSR	7.37Y	122.8	0.02	3.21	63.56	33	462	78	99	0.06	0.0	1.705	0.006	0	0	0	111
PL.12611	PL.12610	A	1/0ACSR	7.37Y	122.8	0.02	3.23	61.64	19	448	76	99	0.07	0.0	1.721	0.017	0	0	0	106
628208	PL.12611	A	Consumer	7.37Y	122.8	0.00	3.23	0.21	0	2	0	100	0.00	0.0	1.721	0.000	2	0	1	1
PL.12612	PL.12611	A	1/0ACSR	7.36Y	122.7	0.10	3.34	61.42	19	446	75	99	0.32	0.1	1.800	0.078	0	0	0	105
PL.7747	PL.12612	A	1/0ACSR	7.36Y	122.6	0.02	3.35	55.73	17	404	68	99	0.05	0.0	1.814	0.015	0	0	0	93
629101	PL.7747	A	Consumer	7.36Y	122.6	0.00	3.35	0.89	0	6	1	99	0.00	0.0	1.814	0.000	6	1	1	1
PL.6947	PL.7747	A	1/0ACSR	7.36Y	122.6	0.02	3.37	54.84	17	398	67	99	0.05	0.0	1.830	0.016	0	0	0	92
RG.22	PL.6947	A	1ph-100A-7	7.56Y	126.0	-3.37	0.00	54.84	55	398	67	99	percent Boost= 2.75 Tap= 4.4							92
PL.289	RG.22	A	1/0ACSR	7.56Y	125.9	0.08	0.08	53.37	16	398	67	99	0.22	0.1	1.900	0.070	0	0	0	92
PL.12619	PL.289	A	1/0ACSR	7.55Y	125.9	0.02	0.10	53.37	16	398	67	99	0.05	0.0	1.915	0.015	0	0	0	92
PL.38908	PL.12619	A	4ACSR	7.55Y	125.9	0.01	0.11	52.12	27	388	65	99	0.04	0.0	1.921	0.006	0	0	0	90
PD.6764-A	PL.38908	A	Closed	7.55Y	125.9	0.00	0.11	52.12	0	388	65	99	0.00	0.0	1.921	0.000	0	0	0	90
PD.6764-B	PD.6764-A	A	Closed	7.55Y	125.9	0.00	0.11	52.12	0	388	65	99	0.00	0.0	1.921	0.000	0	0	0	90
PL.38909	PD.6764-B	A	1/0ACSR	7.55Y	125.8	0.07	0.19	52.12	16	388	65	99	0.20	0.1	1.987	0.066	0	0	0	90
PL.4900	PL.38909	A	4ACSR	7.55Y	125.8	0.00	0.19	0.36	0	3	0	100	0.00	0.0	2.095	0.108	0	0	0	1
071456	PL.4900	A	Consumer	7.55Y	125.8	0.00	0.19	0.36	0	3	0	100	0.00	0.0	2.095	0.000	3	0	1	1
071401	PL.38909	A	Consumer	7.55Y	125.8	0.00	0.19	0.63	0	5	1	98	0.00	0.0	1.987	0.000	5	1	1	1
PL.4901	PL.38909	A	4ACSR	7.55Y	125.8	0.00	0.19	0.00	0	0	0	100	0.00	0.0	2.060	0.072	0	0	0	0
PL.38912	PL.38909	A	1/0ACSR	7.54Y	125.7	0.15	0.34	51.12	15	381	64	99	0.39	0.1	2.123	0.136	0	0	0	88
PL.4915	PL.38912	A	4ACSR	7.54Y	125.6	0.05	0.39	51.12	26	380	63	99	0.15	0.0	2.147	0.024	0	0	0	88
PL.31884	PL.4915	A	1/0ACSR	7.53Y	125.6	0.06	0.45	47.26	14	351	59	99	0.14	0.0	2.205	0.058	0	0	0	82
PL.4764	PL.31884	A	4ACSR	7.53Y	125.5	0.00	0.45	2.54	1	19	3	99	0.00	0.0	2.218	0.013	0	0	0	3
PD.3274	PL.4764	A	fuse8AMP	7.53Y	125.5	0.00	0.45	2.54	35	19	3	99	0.00	0.0	2.218	0.000	0	0	0	3
PL.8133	PD.3274	A	4ACSR	7.53Y	125.5	0.00	0.45	2.54	1	19	3	99	0.00	0.0	2.228	0.010	0	0	0	3
071335	PL.8133	A	Consumer	7.53Y	125.5	0.00	0.45	0.89	0	7	1	99	0.00	0.0	2.228	0.000	7	1	1	1
PL.8134	PL.8133	A	4ACSR	7.53Y	125.5	0.01	0.46	1.65	1	12	2	99	0.00	0.0	2.327	0.099	0	0	0	2
PL.24269	PL.8134	A	4ACSR	7.53Y	125.5	0.00	0.46	1.65	1	12	2	99	0.00	0.0	2.341	0.013	0	0	0	2
PL.4897	PL.24269	A	4ACSR	7.53Y	125.5	0.00	0.46	1.65	1	12	2	99	0.00	0.0	2.369	0.028	0	0	0	2
PL.4914	PL.4897	A	4ACSR	7.53Y	125.5	0.00	0.47	1.42	1	11	2	98	0.00	0.0	2.436	0.067	0	0	0	1
0714150	PL.4914	A	Consumer	7.53Y	125.5	0.00	0.47	0.00	0	0	0	100	0.00	0.0	2.436	0.000	0	0	0	0
0714129	PL.4914	A	Consumer	7.53Y	125.5	0.00	0.47	1.42	0	11	2	98	0.00	0.0	2.436	0.000	11	2	1	1
071415	PL.4897	A	Consumer	7.53Y	125.5	0.00	0.46	0.23	0	2	0	100	0.00	0.0	2.369	0.000	2	0	1	1

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
	PL.14888	PL.31884	A	4ACSR	7.53Y	125.5	0.01	0.46	44.72	23	332	55	99	0.03	0.0	2.210	0.005	0	0	0	79	
C	PD.3267	PL.14888	A	fuse8AMP	7.53Y	125.5	0.00	0.46	44.72	612	332	55	99	0.00	0.0	2.210	0.000	0	0	0	79	C
	PL.14889	PD.3267	A	1/0ACSR	7.53Y	125.4	0.09	0.55	44.72	14	332	55	99	0.21	0.1	2.306	0.095	0	0	0	79	
	PL.14890	PL.14889	A	4ACSR	7.53Y	125.4	0.01	0.56	44.32	23	329	55	99	0.03	0.0	2.312	0.006	0	0	0	78	
	PD.499-A	PL.14890	A	Closed	7.53Y	125.4	0.00	0.56	44.32	0	329	55	99	0.00	0.0	2.312	0.000	0	0	0	78	
	PD.499-B	PD.499-A	A	Closed	7.53Y	125.4	0.00	0.56	44.32	0	329	55	99	0.00	0.0	2.312	0.000	0	0	0	78	
	PL.14891	PD.499-B	A	1/0ACSR	7.52Y	125.3	0.13	0.70	44.32	13	329	55	99	0.30	0.1	2.451	0.139	0	0	0	78	
	PL.12622	PL.14891	A	1/0ACSR	7.52Y	125.3	0.05	0.74	44.32	13	329	54	99	0.11	0.0	2.501	0.050	0	0	0	78	
	PL.8132	PL.12622	A	1/0ACSR	7.51Y	125.2	0.08	0.83	44.12	13	327	54	99	0.18	0.1	2.586	0.086	0	0	0	77	
C	PD.2933	PL.8132	A	fuse6AMP	7.51Y	125.2	0.00	0.83	44.12	754	327	54	99	0.00	0.0	2.586	0.000	0	0	0	77	C
	PL.15104	PD.2933	A	4ACSR	7.51Y	125.2	0.00	0.83	6.86	4	51	8	99	0.00	0.0	2.592	0.006	0	0	0	14	
	PD.3638	PL.15104	A	25V4E	7.51Y	125.2	0.00	0.83	6.86	27	51	8	99	0.00	0.0	2.592	0.000	0	0	0	14	
	PL.14887	PD.3638	A	4ACSR	7.51Y	125.2	0.01	0.84	6.86	4	51	8	99	0.00	0.0	2.630	0.038	0	0	0	14	
	PL.12623	PL.14887	A	4ACSR	7.51Y	125.1	0.01	0.85	6.86	4	51	8	99	0.01	0.0	2.679	0.050	0	0	0	14	
	PL.34675	PL.12623	A	4ACSR	7.51Y	125.1	0.00	0.85	0.13	0	1	0	100	0.00	0.0	2.691	0.012	0	0	0	1	
	PD.4918	PL.34675	A	fuse6AMP	7.51Y	125.1	0.00	0.85	0.13	2	1	0	100	0.00	0.0	2.691	0.000	0	0	0	1	
	PL.34676	PD.4918	A	4ACSR	7.51Y	125.1	0.00	0.85	0.13	0	1	0	100	0.00	0.0	2.719	0.028	0	0	0	1	
	071342	PL.34676	A	Consumer	7.51Y	125.1	0.00	0.85	0.13	0	1	0	100	0.00	0.0	2.719	0.000	1	0	1	1	
	071331	PL.12623	A	Consumer	7.51Y	125.1	0.00	0.85	0.21	0	2	0	100	0.00	0.0	2.679	0.000	2	0	1	1	
	071310	PL.12623	A	Consumer	7.51Y	125.1	0.00	0.85	0.20	0	1	0	100	0.00	0.0	2.679	0.000	1	0	1	1	
	071338	PL.12623	A	Consumer	7.51Y	125.1	0.00	0.85	0.37	0	3	0	100	0.00	0.0	2.679	0.000	3	0	1	1	
	PL.12624	PL.12623	A	4ACSR	7.51Y	125.1	0.01	0.87	5.96	3	44	7	99	0.00	0.0	2.737	0.058	0	0	0	10	
	PL.12625	PL.12624	A	4ACSR	7.51Y	125.1	0.01	0.88	5.66	3	42	7	99	0.00	0.0	2.791	0.054	0	0	0	9	
	PL.34677	PL.12625	A	4ACSR	7.51Y	125.1	0.00	0.88	0.67	0	5	1	98	0.00	0.0	2.804	0.013	0	0	0	1	
	PD.4919	PL.34677	A	fuse6AMP	7.51Y	125.1	0.00	0.88	0.67	11	5	1	98	0.00	0.0	2.804	0.000	0	0	0	1	
	PL.34678	PD.4919	A	4ACSR	7.51Y	125.1	0.00	0.88	0.67	0	5	1	98	0.00	0.0	2.870	0.066	0	0	0	1	
	PL.24271	PL.34678	A	4ACSR	7.51Y	125.1	0.00	0.89	0.67	0	5	1	98	0.00	0.0	2.953	0.083	0	0	0	1	
	071311	PL.24271	A	Consumer	7.51Y	125.1	0.00	0.89	0.67	0	5	1	98	0.00	0.0	2.953	0.000	5	1	1	1	
	PL.12626	PL.12625	A	4ACSR	7.51Y	125.1	0.01	0.90	4.54	2	34	5	99	0.00	0.0	2.861	0.070	0	0	0	7	
	071326	PL.12626	A	Consumer	7.51Y	125.1	0.00	0.90	1.09	0	8	1	99	0.00	0.0	2.861	0.000	8	1	1	1	
	PL.8141	PL.12626	A	4ACSR	7.51Y	125.1	0.01	0.91	3.45	2	26	4	99	0.00	0.0	2.937	0.075	0	0	0	6	
	PL.39019	PL.8141	A	4ACSR	7.51Y	125.1	0.00	0.91	1.14	1	8	1	99	0.00	0.0	3.006	0.070	0	0	0	2	
	PL.39020	PL.39019	A	4ACSR	7.51Y	125.1	0.00	0.91	1.13	1	8	1	99	0.00	0.0	3.041	0.035	0	0	0	1	
	071346	PL.39020	A	Consumer	7.51Y	125.1	0.00	0.91	1.13	0	8	1	99	0.00	0.0	3.041	0.000	8	1	1	1	
	0713050	PL.39019	A	Consumer	7.51Y	125.1	0.00	0.91	0.01	0	0	0	100	0.00	0.0	3.006	0.000	0	0	1	1	
	071318	PL.8141	A	Consumer	7.51Y	125.1	0.00	0.91	1.23	0	9	1	99	0.00	0.0	2.937	0.000	9	1	1	1	
	PL.14892	PL.8141	A	4ACSR	7.51Y	125.1	0.00	0.91	1.08	1	8	1	99	0.00	0.0	2.942	0.006	0	0	0	3	
	PD.3275-A	PL.14892	A	Closed	7.51Y	125.1	0.00	0.91	1.08	0	8	1	99	0.00	0.0	2.942	0.000	0	0	0	3	

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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.3275-B	PD.3275-A	A	Closed	7.51Y	125.1	0.00	0.91	1.08	0	8	1	99	0.00	0.0	2.942	0.000	0	0	0	3
PL.14893	PD.3275-B	A	4ACSR	7.51Y	125.1	0.00	0.91	1.08	1	8	1	99	0.00	0.0	3.021	0.079	0	0	0	3
071322	PL.14893	A	Consumer	7.51Y	125.1	0.00	0.91	0.45	0	3	1	95	0.00	0.0	3.021	0.000	3	1	1	1
071328	PL.14893	A	Consumer	7.51Y	125.1	0.00	0.91	0.00	0	0	0	100	0.00	0.0	3.021	0.000	0	0	0	0
071321	PL.14893	A	Consumer	7.51Y	125.1	0.00	0.91	0.00	0	0	0	100	0.00	0.0	3.021	0.000	0	0	1	1
071319	PL.14893	A	Consumer	7.51Y	125.1	0.00	0.91	0.62	0	5	1	98	0.00	0.0	3.021	0.000	5	1	1	1
071309	PL.12625	A	Consumer	7.51Y	125.1	0.00	0.88	0.46	0	3	1	95	0.00	0.0	2.791	0.000	3	1	1	1
071317	PL.12624	A	Consumer	7.51Y	125.1	0.00	0.87	0.30	0	2	0	100	0.00	0.0	2.737	0.000	2	0	1	1
PL.34658	PD.2933	A	4ACSR	7.51Y	125.2	0.00	0.83	0.99	1	7	1	99	0.00	0.0	2.591	0.005	0	0	0	1
PL.34660	PL.34658	A	4ACSR	7.51Y	125.2	0.00	0.83	0.99	1	7	1	99	0.00	0.0	2.612	0.021	0	0	0	1
PD.4911	PL.34660	A	fuse6AMP	7.51Y	125.2	0.00	0.83	0.99	17	7	1	99	0.00	0.0	2.612	0.000	0	0	0	1
PL.34661	PD.4911	A	4ACSR	7.51Y	125.2	0.00	0.83	0.99	1	7	1	99	0.00	0.0	2.624	0.012	0	0	0	1
071304	PL.34661	A	Consumer	7.51Y	125.2	0.00	0.83	0.99	0	7	1	99	0.00	0.0	2.624	0.000	7	1	1	1
PL.15103	PD.2933	A	1/0ACSR	7.51Y	125.2	0.02	0.84	35.49	11	263	43	99	0.03	0.0	2.609	0.022	0	0	0	61
PL.15489	PL.15103	A	1/0ACSR	7.51Y	125.1	0.02	0.87	35.49	11	263	43	99	0.04	0.0	2.640	0.032	0	0	0	61
PD.4912-A	PL.15489	A	Closed	7.51Y	125.1	0.00	0.87	35.49	0	263	43	99	0.00	0.0	2.640	0.000	0	0	0	61
PD.4912-B	PD.4912-A	A	Closed	7.51Y	125.1	0.00	0.87	35.49	0	263	43	99	0.00	0.0	2.640	0.000	0	0	0	61
PL.25285	PD.4912-B	A	1/0ACSR	7.50Y	125.1	0.07	0.94	35.49	11	263	43	99	0.12	0.0	2.729	0.089	0	0	0	61
PL.12627	PL.25285	A	1/0ACSR	7.50Y	125.0	0.03	0.96	35.49	11	263	43	99	0.05	0.0	2.766	0.036	0	0	0	61
PL.12628	PL.12627	A	1/0ACSR	7.50Y	125.0	0.02	0.99	34.44	10	255	42	99	0.04	0.0	2.795	0.029	0	0	0	60
PL.12629	PL.12628	A	1/0ACSR	7.50Y	125.0	0.03	1.01	34.02	10	252	41	99	0.05	0.0	2.831	0.036	0	0	0	59
071323	PL.12629	A	Consumer	7.50Y	125.0	0.00	1.01	0.54	0	4	1	97	0.00	0.0	2.831	0.000	4	1	1	1
PL.12630	PL.12629	A	1/0ACSR	7.49Y	124.9	0.07	1.08	33.48	10	248	41	99	0.12	0.0	2.929	0.099	0	0	0	58
PL.11743	PL.12630	A	1/0ACSR	7.49Y	124.8	0.07	1.15	32.96	10	244	40	99	0.11	0.0	3.025	0.096	0	0	0	57
PL.11744	PL.11743	A	1/0ACSR	7.48Y	124.7	0.15	1.30	15.96	5	118	19	99	0.12	0.1	3.459	0.433	0	0	0	29
PL.11745	PL.11744	A	1/0ACSR	7.48Y	124.7	0.03	1.33	15.74	5	116	19	99	0.02	0.0	3.536	0.077	0	0	0	27
PL.38910	PL.11745	A	1/0ACSR	7.48Y	124.7	0.00	1.33	2.03	1	15	2	99	0.00	0.0	3.579	0.043	0	0	0	5
PD.6765-A	PL.38910	A	Closed	7.48Y	124.7	0.00	1.33	2.03	0	15	2	99	0.00	0.0	3.579	0.000	0	0	0	5
PD.6765-B	PD.6765-A	A	Closed	7.48Y	124.7	0.00	1.33	2.03	0	15	2	99	0.00	0.0	3.579	0.000	0	0	0	5
PL.38911	PD.6765-B	A	1/0ACSR	7.48Y	124.7	0.01	1.34	2.03	1	15	2	99	0.00	0.0	3.884	0.305	0	0	0	5
PL.11748	PL.38911	A	1/0ACSR	7.48Y	124.7	0.00	1.35	0.76	0	6	1	99	0.00	0.0	4.156	0.271	0	0	0	3
PL.15954	PL.11748	A	4ACSR	7.48Y	124.7	0.00	1.35	0.00	0	0	0	100	0.00	0.0	4.162	0.006	0	0	0	0
PD.3273	PL.15954	A	fuse6AMP	7.48Y	124.7	0.00	1.35	0.00	0	0	0	100	0.00	0.0	4.162	0.000	0	0	0	0
PL.15955	PD.3273	A	4ACSR	7.48Y	124.7	0.00	1.35	0.00	0	0	0	100	0.00	0.0	4.213	0.052	0	0	0	0
071207	PL.15955	A	Consumer	7.48Y	124.7	0.00	1.35	0.00	0	0	0	100	0.00	0.0	4.213	0.000	0	0	0	0
PL.11749	PL.11748	A	1/0ACSR	7.48Y	124.7	0.00	1.35	0.76	0	6	1	99	0.00	0.0	4.240	0.084	0	0	0	3
PL.11750	PL.11749	A	1/0ACSR	7.48Y	124.6	0.00	1.35	0.76	0	6	1	99	0.00	0.0	4.381	0.141	0	0	0	3
PL.27090	PL.11750	A	4ACSR	7.48Y	124.6	0.00	1.35	0.45	0	3	1	95	0.00	0.0	4.386	0.005	0	0	0	2

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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.3271	PL.27090	A	fuse6AMP	7.48Y	124.6	0.00	1.35	0.45	8	3	1	95	0.00	0.0	4.386	0.000	0	0	0	2
PL.27091	PD.3271	A	4ACSR	7.48Y	124.6	0.00	1.35	0.45	0	3	1	95	0.00	0.0	4.409	0.023	0	0	0	2
071212	PL.27091	A	Consumer	7.48Y	124.6	0.00	1.35	0.45	0	3	1	95	0.00	0.0	4.409	0.000	3	1	1	1
PL.11751	PL.27091	A	4ACSR	7.48Y	124.6	0.00	1.35	0.00	0	0	0	100	0.00	0.0	4.506	0.097	0	0	0	1
PL.8131	PL.11751	A	4ACSR	7.48Y	124.6	0.00	1.35	0.00	0	0	0	100	0.00	0.0	4.506	0.000	0	0	0	1
071216	PL.8131	A	Consumer	7.48Y	124.6	0.00	1.35	0.00	0	0	0	100	0.00	0.0	4.506	0.000	0	0	1	1
PL.27088	PL.11750	A	1/0ACSR	7.48Y	124.6	0.00	1.35	0.31	0	2	0	100	0.00	0.0	4.449	0.069	0	0	0	1
PD.504-A	PL.27088	A	Closed	7.48Y	124.6	0.00	1.35	0.31	0	2	0	100	0.00	0.0	4.449	0.000	0	0	0	1
PD.504-B	PD.504-A	A	Closed	7.48Y	124.6	0.00	1.35	0.31	0	2	0	100	0.00	0.0	4.449	0.000	0	0	0	1
PL.27089	PD.504-B	A	1/0ACSR	7.48Y	124.6	0.00	1.35	0.31	0	2	0	100	0.00	0.0	4.455	0.005	0	0	0	1
PL.30812	PL.27089	A	4ACSR	7.48Y	124.6	0.00	1.35	0.00	0	0	0	100	0.00	0.0	4.472	0.017	0	0	0	0
PD.502-A	PL.30812	A	Open	7.48Y	124.6	0.00	1.35	0.00	0	0	0	100	0.00	0.0	4.472	0.000	0	0	0	0
PL.27086	PL.27089	A	1/0ACSR	7.48Y	124.6	0.00	1.35	0.00	0	0	0	100	0.00	0.0	4.460	0.005	0	0	0	0
PD.505-A	PL.27086	A	Open	7.48Y	124.6	0.00	1.35	0.00	0	0	0	100	0.00	0.0	4.460	0.000	0	0	0	0
071204	PL.27089	A	Consumer	7.48Y	124.6	0.00	1.35	0.31	0	2	0	100	0.00	0.0	4.455	0.000	2	0	1	1
PL.27092	PL.11749	A	4ACSR	7.48Y	124.7	0.00	1.35	0.00	0	0	0	100	0.00	0.0	4.246	0.006	0	0	0	0
PD.2417	PL.27092	A	fuse6AMP	7.48Y	124.7	0.00	1.35	0.00	0	0	0	100	0.00	0.0	4.246	0.000	0	0	0	0
PL.27093	PD.2417	A	4ACSR	7.48Y	124.7	0.00	1.35	0.00	0	0	0	100	0.00	0.0	4.286	0.040	0	0	0	0
071232	PL.27093	A	Consumer	7.48Y	124.7	0.00	1.35	0.00	0	0	0	100	0.00	0.0	4.286	0.000	0	0	0	0
PL.15956	PL.38911	A	4ACSR	7.48Y	124.7	0.00	1.34	1.28	1	9	2	98	0.00	0.0	3.890	0.006	0	0	0	2
PD.3272	PL.15956	A	fuse6AMP	7.48Y	124.7	0.00	1.34	1.28	22	9	2	98	0.00	0.0	3.890	0.000	0	0	0	2
PL.15483	PD.3272	A	4ACSR	7.48Y	124.7	0.00	1.35	1.28	1	9	2	98	0.00	0.0	3.962	0.072	0	0	0	2
071205	PL.15483	A	Consumer	7.48Y	124.7	0.00	1.35	0.00	0	0	0	100	0.00	0.0	3.962	0.000	0	0	1	1
PL.11747	PL.15483	A	4ACSR	7.48Y	124.7	0.00	1.35	1.28	1	9	2	98	0.00	0.0	3.969	0.008	0	0	0	1
PL.4765	PL.11747	A	4ACSR	7.48Y	124.6	0.00	1.35	1.28	1	9	2	98	0.00	0.0	4.027	0.058	0	0	0	1
071229	PL.4765	A	Consumer	7.48Y	124.6	0.00	1.35	1.28	0	9	2	98	0.00	0.0	4.027	0.000	9	2	1	1
PL.15484	PL.11745	A	4ACSR	7.48Y	124.7	0.00	1.33	13.71	7	101	17	99	0.00	0.0	3.541	0.006	0	0	0	22
PD.3420	PL.15484	A	25V4E	7.48Y	124.7	0.00	1.33	13.71	55	101	17	99	0.00	0.0	3.541	0.000	0	0	0	22
PL.15485	PD.3420	A	4ACSR	7.48Y	124.6	0.08	1.41	13.71	7	101	17	99	0.06	0.1	3.673	0.131	0	0	0	22
071302	PL.15485	A	Consumer	7.48Y	124.6	0.00	1.41	0.23	0	2	0	100	0.00	0.0	3.673	0.000	2	0	1	1
PL.8154	PL.15485	A	4ACSR	7.47Y	124.5	0.08	1.48	13.48	7	99	16	99	0.06	0.1	3.803	0.130	0	0	0	21
PL.8155	PL.8154	A	4ACSR	7.47Y	124.5	0.04	1.53	13.48	7	99	16	99	0.03	0.0	3.878	0.075	0	0	0	20
071228	PL.8155	A	Consumer	7.47Y	124.5	0.00	1.53	0.04	0	0	0	100	0.00	0.0	3.878	0.000	0	0	1	1
PL.8156	PL.8155	A	4ACSR	7.46Y	124.4	0.06	1.59	13.44	7	99	16	99	0.05	0.0	3.986	0.107	0	0	0	19
PL.8157	PL.8156	A	4ACSR	7.46Y	124.3	0.13	1.72	13.44	7	99	16	99	0.10	0.1	4.210	0.224	0	0	0	19
PL.11292	PL.8157	A	4ACSR	7.46Y	124.3	0.02	1.74	13.00	7	96	16	99	0.02	0.0	4.247	0.037	0	0	0	18
PL.11293	PL.11292	A	4ACSR	7.45Y	124.1	0.11	1.86	12.21	6	90	15	99	0.08	0.1	4.464	0.217	0	0	0	17
PL.34772	PL.11293	A	4ACSR	7.45Y	124.1	0.00	1.86	0.00	0	0	0	100	0.00	0.0	4.475	0.011	0	0	0	1

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

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.4957	PL.34772	A	fuse6AMP	7.45Y	124.1	0.00	1.86	0.00	0	0	0	100	0.00	0.0	4.475	0.000	0	0	0	1
PL.34773	PD.4957	A	4ACSR	7.45Y	124.1	0.00	1.86	0.00	0	0	0	100	0.00	0.0	4.547	0.072	0	0	0	1
0722017	PL.34773	A	Consumer	7.45Y	124.1	0.00	1.86	0.00	0	0	0	100	0.00	0.0	4.547	0.000	0	0	1	1
PL.11294	PL.11293	A	4ACSR	7.44Y	124.0	0.12	1.98	12.21	6	90	15	99	0.08	0.1	4.696	0.231	0	0	0	16
PL.34774	PL.11294	A	4ACSR	7.44Y	124.0	0.00	1.98	0.58	0	4	1	97	0.00	0.0	4.707	0.011	0	0	0	1
PD.4958	PL.34774	A	fuse6AMP	7.44Y	124.0	0.00	1.98	0.58	10	4	1	97	0.00	0.0	4.707	0.000	0	0	0	1
PL.34775	PD.4958	A	4ACSR	7.44Y	124.0	0.00	1.98	0.58	0	4	1	97	0.00	0.0	4.838	0.131	0	0	0	1
072214	PL.34775	A	Consumer	7.44Y	124.0	0.00	1.98	0.58	0	4	1	97	0.00	0.0	4.838	0.000	4	1	1	1
072206	PL.11294	A	Consumer	7.44Y	124.0	0.00	1.98	0.16	0	1	0	100	0.00	0.0	4.696	0.000	1	0	1	1
072207	PL.11294	A	Consumer	7.44Y	124.0	0.00	1.98	0.00	0	0	0	100	0.00	0.0	4.696	0.000	0	0	0	0
PL.8153	PL.11294	A	4ACSR	7.44Y	123.9	0.08	2.06	11.47	6	84	14	99	0.05	0.1	4.858	0.162	0	0	0	14
PL.12118	PL.8153	A	4ACSR	7.43Y	123.9	0.05	2.10	9.60	5	70	11	99	0.02	0.0	4.970	0.112	0	0	0	13
0722016	PL.12118	A	Consumer	7.43Y	123.9	0.00	2.10	0.00	0	0	0	100	0.00	0.0	4.970	0.000	0	0	1	1
PL.12119	PL.12118	A	4ACSR	7.43Y	123.8	0.06	2.16	8.49	4	62	10	99	0.03	0.0	5.121	0.151	0	0	0	11
PL.34776	PL.12119	A	4ACSR	7.43Y	123.8	0.00	2.16	0.00	0	0	0	100	0.00	0.0	5.129	0.008	0	0	0	0
PD.4959	PL.34776	A	fuse6AMP	7.43Y	123.8	0.00	2.16	0.00	0	0	0	100	0.00	0.0	5.129	0.000	0	0	0	0
PL.34777	PD.4959	A	4ACSR	7.43Y	123.8	0.00	2.16	0.00	0	0	0	100	0.00	0.0	5.184	0.055	0	0	0	0
072201	PL.34777	A	Consumer	7.43Y	123.8	0.00	2.16	0.00	0	0	0	100	0.00	0.0	5.184	0.000	0	0	0	0
PL.4769	PL.12119	A	4ACSR	7.43Y	123.8	0.00	2.16	0.00	0	0	0	100	0.00	0.0	5.198	0.077	0	0	0	0
0722018	PL.4769	A	Consumer	7.43Y	123.8	0.00	2.16	0.00	0	0	0	100	0.00	0.0	5.198	0.000	0	0	0	0
PL.12120	PL.12119	A	4ACSR	7.43Y	123.8	0.03	2.19	8.49	4	62	10	99	0.01	0.0	5.197	0.076	0	0	0	11
PL.43	PL.12120	A	4ACSR	7.43Y	123.8	0.02	2.20	8.49	4	62	10	99	0.01	0.0	5.239	0.042	0	0	0	11
PL.34782	PL.43	A	4ACSR	7.43Y	123.8	0.00	2.20	0.32	0	2	0	100	0.00	0.0	5.246	0.007	0	0	0	2
PL.34783	PL.34782	A	4ACSR	7.43Y	123.8	0.00	2.20	0.32	0	2	0	100	0.00	0.0	5.275	0.028	0	0	0	2
PL.44646	PL.34783	A	4ACSR	7.43Y	123.8	0.00	2.20	0.32	0	2	0	100	0.00	0.0	5.284	0.010	0	0	0	2
PL.44650	PL.44646	A	4ACSR	7.43Y	123.8	0.00	2.20	0.32	0	2	0	100	0.00	0.0	5.299	0.015	0	0	0	2
PD.620	PL.44650	A	fuse8AMP	7.43Y	123.8	0.00	2.20	0.32	4	2	0	100	0.00	0.0	5.299	0.000	0	0	0	2
PL.44651	PD.620	A	4ACSR	7.43Y	123.8	0.00	2.21	0.32	0	2	0	100	0.00	0.0	5.441	0.142	0	0	0	2
PL.518	PL.44651	A	4ACSR	7.43Y	123.8	0.00	2.21	0.32	0	2	0	100	0.00	0.0	5.510	0.069	0	0	0	2
122905	PL.518	A	Consumer	7.43Y	123.8	0.00	2.21	0.23	0	2	0	100	0.00	0.0	5.510	0.000	2	0	1	1
122916	PL.518	A	Consumer	7.43Y	123.8	0.00	2.21	0.09	0	1	0	100	0.00	0.0	5.510	0.000	1	0	1	1
PL.12121	PL.44651	A	4ACSR	7.43Y	123.8	0.00	2.21	0.00	0	0	0	100	0.00	0.0	5.560	0.119	0	0	0	0
PL.516	PL.12121	A	4ACSR	7.43Y	123.8	0.00	2.21	0.00	0	0	0	100	0.00	0.0	5.686	0.126	0	0	0	0
122911	PL.516	A	Consumer	7.43Y	123.8	0.00	2.21	0.00	0	0	0	100	0.00	0.0	5.686	0.000	0	0	0	0
PL.34780	PL.43	A	4ACSR	7.43Y	123.8	0.00	2.20	1.62	1	12	2	99	0.00	0.0	5.255	0.016	0	0	0	1
PD.4960	PL.34780	A	fuse6AMP	7.43Y	123.8	0.00	2.20	1.62	28	12	2	99	0.00	0.0	5.255	0.000	0	0	0	1
PL.34781	PD.4960	A	4ACSR	7.43Y	123.8	0.00	2.20	1.62	1	12	2	99	0.00	0.0	5.263	0.008	0	0	0	1
PL.27411	PL.34781	A	4ACSR	7.43Y	123.8	0.01	2.21	1.62	1	12	2	99	0.00	0.0	5.352	0.088	0	0	0	1

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
122925	PL.27411	A	Consumer	7.43Y	123.8	0.00	2.21	1.62	0	12	2	99	0.00	0.0	5.352	0.000	12	2	1	1
PL.34778	PL.43	A	4ACSR	7.43Y	123.8	0.00	2.21	6.55	3	48	8	99	0.00	0.0	5.246	0.007	0	0	0	8
PL.44648	PL.34778	A	4ACSR	7.43Y	123.8	0.03	2.23	6.55	3	48	8	99	0.01	0.0	5.351	0.105	0	0	0	8
PD.83-A	PL.44648	A	Closed	7.43Y	123.8	0.00	2.23	6.55	0	48	8	99	0.00	0.0	5.351	0.000	0	0	0	8
PD.83-B	PD.83-A	A	Closed	7.43Y	123.8	0.00	2.23	6.55	0	48	8	99	0.00	0.0	5.351	0.000	0	0	0	8
PL.44649	PD.83-B	A	4ACSR	7.42Y	123.7	0.06	2.30	6.55	3	48	8	99	0.02	0.0	5.573	0.222	0	0	0	8
PL.12123	PL.44649	A	4ACSR	7.42Y	123.7	0.01	2.31	4.75	2	35	6	99	0.00	0.0	5.635	0.062	0	0	0	5
122926	PL.12123	A	Consumer	7.42Y	123.7	0.00	2.31	0.81	0	6	1	99	0.00	0.0	5.635	0.000	6	1	1	1
122924	PL.12123	A	Consumer	7.42Y	123.7	0.00	2.31	0.87	0	6	1	99	0.00	0.0	5.635	0.000	6	1	1	1
122930	PL.12123	A	Consumer	7.42Y	123.7	0.00	2.31	0.60	0	4	1	97	0.00	0.0	5.635	0.000	4	1	1	1
PL.12124	PL.12123	A	4ACSR	7.42Y	123.7	0.00	2.32	2.47	1	18	3	99	0.00	0.0	5.681	0.046	0	0	0	2
PL.31898	PL.12124	A	4ACSR	7.42Y	123.7	0.00	2.32	1.63	1	12	2	99	0.00	0.0	5.702	0.021	0	0	0	1
PL.31899	PL.31898	A	4ACSR	7.42Y	123.7	0.00	2.32	0.00	0	0	0	100	0.00	0.0	5.722	0.020	0	0	0	0
PL.5120	PL.31899	A	4ACSR	7.42Y	123.7	0.00	2.32	0.00	0	0	0	100	0.00	0.0	5.853	0.131	0	0	0	0
PD.89-A	PL.5120	A	Open	7.42Y	123.7	0.00	2.32	0.00	0	0	0	100	0.00	0.0	5.853	0.000	0	0	0	0
PL.31897	PL.31898	A	4ACSR	7.42Y	123.7	0.00	2.32	1.63	1	12	2	99	0.00	0.0	5.767	0.065	0	0	0	1
1229034	PL.31897	A	Consumer	7.42Y	123.7	0.00	2.32	1.63	0	12	2	99	0.00	0.0	5.767	0.000	12	2	1	1
122928	PL.12124	A	Consumer	7.42Y	123.7	0.00	2.32	0.84	0	6	1	99	0.00	0.0	5.681	0.000	6	1	1	1
PL.27406	PL.44649	A	4ACSR	7.42Y	123.7	0.00	2.30	1.16	1	9	1	99	0.00	0.0	5.591	0.018	0	0	0	2
PD.619	PL.27406	A	fuse6AMP	7.42Y	123.7	0.00	2.30	1.16	20	9	1	99	0.00	0.0	5.591	0.000	0	0	0	2
PL.27407	PD.619	A	4ACSR	7.42Y	123.7	0.00	2.30	1.16	1	9	1	99	0.00	0.0	5.631	0.040	0	0	0	2
122927	PL.27407	A	Consumer	7.42Y	123.7	0.00	2.30	0.09	0	1	0	100	0.00	0.0	5.631	0.000	1	0	1	1
122922	PL.27407	A	Consumer	7.42Y	123.7	0.00	2.30	1.07	0	8	1	99	0.00	0.0	5.631	0.000	8	1	1	1
122931	PL.44649	A	Consumer	7.42Y	123.7	0.00	2.30	0.64	0	5	1	98	0.00	0.0	5.573	0.000	5	1	1	1
PL.17432	PL.12118	A	4ACSR	7.43Y	123.9	0.00	2.10	1.10	1	8	1	99	0.00	0.0	4.976	0.006	0	0	0	1
PD.3269	PL.17432	A	fuse6AMP	7.43Y	123.9	0.00	2.10	1.10	19	8	1	99	0.00	0.0	4.976	0.000	0	0	0	1
PL.17433	PD.3269	A	4ACSR	7.43Y	123.9	0.01	2.11	1.10	1	8	1	99	0.00	0.0	5.132	0.156	0	0	0	1
072210	PL.17433	A	Consumer	7.43Y	123.9	0.00	2.11	1.10	0	8	1	99	0.00	0.0	5.132	0.000	8	1	1	1
072215	PL.8153	A	Consumer	7.44Y	123.9	0.00	2.06	1.88	0	14	2	99	0.00	0.0	4.858	0.000	14	2	1	1
PL.34770	PL.11292	A	4ACSR	7.46Y	124.3	0.00	1.74	0.79	0	6	1	99	0.00	0.0	4.257	0.009	0	0	0	1
PD.4956	PL.34770	A	fuse6AMP	7.46Y	124.3	0.00	1.74	0.79	14	6	1	99	0.00	0.0	4.257	0.000	0	0	0	1
PL.34771	PD.4956	A	4ACSR	7.45Y	124.2	0.01	1.75	0.79	0	6	1	99	0.00	0.0	4.618	0.361	0	0	0	1
072205	PL.34771	A	Consumer	7.45Y	124.2	0.00	1.75	0.79	0	6	1	99	0.00	0.0	4.618	0.000	6	1	1	1
072204	PL.8157	A	Consumer	7.46Y	124.3	0.00	1.72	0.44	0	3	1	95	0.00	0.0	4.210	0.000	3	1	1	1
071341	PL.8154	A	Consumer	7.47Y	124.5	0.00	1.48	0.00	0	0	0	100	0.00	0.0	3.803	0.000	0	0	1	1
071345	PL.11744	A	Consumer	7.48Y	124.7	0.00	1.30	0.03	0	0	0	100	0.00	0.0	3.459	0.000	0	0	1	1
071301	PL.11744	A	Consumer	7.48Y	124.7	0.00	1.30	0.20	0	1	0	100	0.00	0.0	3.459	0.000	1	0	1	1
PL.15486	PL.11743	A	4ACSR	7.49Y	124.8	0.00	1.16	16.99	9	126	20	99	0.00	0.0	3.031	0.006	0	0	0	28

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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.3639	PL.15486	A	50V4E	7.49Y	124.8	0.00	1.16	16.99	34	126	20	99	0.00	0.0	3.031	0.000	0	0	0	28
PL.15487	PD.3639	A	4ACSR	7.48Y	124.7	0.10	1.26	16.99	9	126	20	99	0.10	0.1	3.174	0.143	0	0	0	28
PL.34669	PL.15487	A	4ACSR	7.48Y	124.7	0.08	1.35	14.10	7	104	17	99	0.07	0.1	3.314	0.140	0	0	0	25
PL.34670	PL.34669	A	4ACSR	7.47Y	124.6	0.08	1.42	12.62	7	93	15	99	0.06	0.1	3.458	0.145	0	0	0	24
PL.34673	PL.34670	A	4ACSR	7.47Y	124.6	0.00	1.42	0.43	0	3	1	95	0.00	0.0	3.465	0.007	0	0	0	1
PD.4917	PL.34673	A	fuse6AMP	7.47Y	124.6	0.00	1.42	0.43	7	3	1	95	0.00	0.0	3.465	0.000	0	0	0	1
PL.34674	PD.4917	A	4ACSR	7.47Y	124.6	0.00	1.43	0.43	0	3	1	95	0.00	0.0	3.552	0.087	0	0	0	1
PL.8139	PL.34674	A	4ACSR	7.47Y	124.6	0.00	1.43	0.43	0	3	1	95	0.00	0.0	3.589	0.037	0	0	0	1
PL.8140	PL.8139	A	4ACSR	7.47Y	124.6	0.00	1.43	0.43	0	3	1	95	0.00	0.0	3.728	0.139	0	0	0	1
070303	PL.8140	A	Consumer	7.47Y	124.6	0.00	1.43	0.43	0	3	1	95	0.00	0.0	3.728	0.000	3	1	1	1
071332	PL.8139	A	Consumer	7.47Y	124.6	0.00	1.43	0.00	0	0	0	100	0.00	0.0	3.589	0.000	0	0	0	0
PL.11741	PL.34670	A	4ACSR	7.47Y	124.5	0.11	1.54	12.20	6	90	15	99	0.08	0.1	3.675	0.217	0	0	0	23
PL.24264	PL.11741	A	4ACSR	7.47Y	124.5	0.01	1.55	2.16	1	16	3	98	0.00	0.0	3.760	0.085	0	0	0	4
070310	PL.24264	A	Consumer	7.47Y	124.5	0.00	1.55	0.05	0	0	0	100	0.00	0.0	3.760	0.000	0	0	1	1
070307	PL.24264	A	Consumer	7.47Y	124.5	0.00	1.55	0.93	0	7	1	99	0.00	0.0	3.760	0.000	7	1	1	1
070306	PL.24264	A	Consumer	7.47Y	124.5	0.00	1.55	0.61	0	5	1	98	0.00	0.0	3.760	0.000	5	1	1	1
070304	PL.24264	A	Consumer	7.47Y	124.5	0.00	1.55	0.57	0	4	1	97	0.00	0.0	3.760	0.000	4	1	1	1
070309	PL.11741	A	Consumer	7.47Y	124.5	0.00	1.54	0.00	0	0	0	100	0.00	0.0	3.675	0.000	0	0	1	1
PL.11739	PL.11741	A	4ACSR	7.47Y	124.4	0.04	1.58	10.03	5	74	12	99	0.02	0.0	3.774	0.099	0	0	0	18
PL.34679	PL.11739	A	4ACSR	7.47Y	124.4	0.00	1.58	1.51	1	11	2	98	0.00	0.0	3.778	0.004	0	0	0	2
PD.4920	PL.34679	A	fuse6AMP	7.47Y	124.4	0.00	1.58	1.51	26	11	2	98	0.00	0.0	3.778	0.000	0	0	0	2
PL.34680	PD.4920	A	4ACSR	7.46Y	124.4	0.01	1.59	1.51	1	11	2	98	0.00	0.0	3.864	0.086	0	0	0	2
070316	PL.34680	A	Consumer	7.46Y	124.4	0.00	1.59	0.11	0	1	0	100	0.00	0.0	3.864	0.000	1	0	1	1
070305	PL.34680	A	Consumer	7.46Y	124.4	0.00	1.59	1.40	0	10	2	98	0.00	0.0	3.864	0.000	10	2	1	1
PL.11740	PL.11739	A	4ACSR	7.46Y	124.3	0.08	1.66	8.52	4	63	10	99	0.04	0.1	3.983	0.209	0	0	0	16
PL.34681	PL.11740	A	4ACSR	7.46Y	124.3	0.00	1.66	0.23	0	2	0	100	0.00	0.0	3.987	0.005	0	0	0	2
PD.4921	PL.34681	A	fuse6AMP	7.46Y	124.3	0.00	1.66	0.23	4	2	0	100	0.00	0.0	3.987	0.000	0	0	0	2
PL.34682	PD.4921	A	4ACSR	7.46Y	124.3	0.00	1.66	0.23	0	2	0	100	0.00	0.0	4.056	0.069	0	0	0	2
PL.8143	PL.34682	A	4ACSR	7.46Y	124.3	0.00	1.66	0.23	0	2	0	100	0.00	0.0	4.074	0.018	0	0	0	2
PL.8144	PL.8143	A	4ACSR	7.46Y	124.3	0.00	1.66	0.23	0	2	0	100	0.00	0.0	4.139	0.064	0	0	0	1
070308	PL.8144	A	Consumer	7.46Y	124.3	0.00	1.66	0.23	0	2	0	100	0.00	0.0	4.139	0.000	2	0	1	1
070314	PL.8143	A	Consumer	7.46Y	124.3	0.00	1.66	0.00	0	0	0	100	0.00	0.0	4.074	0.000	0	0	1	1
PL.15490	PL.11740	A	4ACSR	7.46Y	124.3	0.00	1.66	8.29	4	61	10	99	0.00	0.0	3.988	0.006	0	0	0	14
PD.500-A	PL.15490	A	Closed	7.46Y	124.3	0.00	1.66	8.29	0	61	10	99	0.00	0.0	3.988	0.000	0	0	0	14
PD.500-B	PD.500-A	A	Closed	7.46Y	124.3	0.00	1.66	8.29	0	61	10	99	0.00	0.0	3.988	0.000	0	0	0	14
PL.14894	PD.500-B	A	4ACSR	7.46Y	124.3	0.04	1.70	8.29	4	61	10	99	0.02	0.0	4.096	0.108	0	0	0	14
PL.34646	PL.14894	A	4ACSR	7.46Y	124.3	0.00	1.70	2.63	1	19	3	99	0.00	0.0	4.114	0.018	0	0	0	2
PD.4904	PL.34646	A	fuse6AMP	7.46Y	124.3	0.00	1.70	2.63	45	19	3	99	0.00	0.0	4.114	0.000	0	0	0	2

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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.34647	PD.4904	A	4ACSR	7.46Y	124.3	0.01	1.72	2.63	1	19	3	99	0.00	0.0	4.239	0.126	0	0	0	2
070313	PL.34647	A	Consumer	7.46Y	124.3	0.00	1.72	1.12	0	8	1	99	0.00	0.0	4.239	0.000	8	1	1	1
PL.4768	PL.34647	A	4ACSR	7.46Y	124.3	0.00	1.72	1.50	1	11	2	98	0.00	0.0	4.301	0.062	0	0	0	1
070324	PL.4768	A	Consumer	7.46Y	124.3	0.00	1.72	1.50	0	11	2	98	0.00	0.0	4.301	0.000	11	2	1	1
070311	PL.14894	A	Consumer	7.46Y	124.3	0.00	1.70	0.48	0	4	1	97	0.00	0.0	4.096	0.000	4	1	1	1
070315	PL.14894	A	Consumer	7.46Y	124.3	0.00	1.70	0.82	0	6	1	99	0.00	0.0	4.096	0.000	6	1	1	1
PL.11738	PL.14894	A	4ACSR	7.46Y	124.3	0.02	1.72	4.36	2	32	5	99	0.00	0.0	4.198	0.102	0	0	0	10
070319	PL.11738	A	Consumer	7.46Y	124.3	0.00	1.72	0.24	0	2	0	100	0.00	0.0	4.198	0.000	2	0	1	1
070323	PL.11738	A	Consumer	7.46Y	124.3	0.00	1.72	0.01	0	0	0	100	0.00	0.0	4.198	0.000	0	0	1	1
070312	PL.11738	A	Consumer	7.46Y	124.3	0.00	1.72	0.66	0	5	1	98	0.00	0.0	4.198	0.000	5	1	1	1
070317	PL.11738	A	Consumer	7.46Y	124.3	0.00	1.72	0.87	0	6	1	99	0.00	0.0	4.198	0.000	6	1	1	1
070318	PL.11738	A	Consumer	7.46Y	124.3	0.00	1.72	0.37	0	3	0	100	0.00	0.0	4.198	0.000	3	0	1	1
PL.11737	PL.11738	A	4ACSR	7.46Y	124.3	0.01	1.72	1.72	1	13	2	99	0.00	0.0	4.266	0.068	0	0	0	4
PL.5761	PL.11737	A	4ACSR	7.46Y	124.3	0.00	1.73	1.72	1	13	2	99	0.00	0.0	4.295	0.029	0	0	0	4
PL.11736	PL.5761	A	4ACSR	7.46Y	124.3	0.00	1.73	0.58	0	4	1	97	0.00	0.0	4.313	0.017	0	0	0	2
PL.17148	PL.11736	A	4ACSR	7.46Y	124.3	0.00	1.73	0.00	0	0	0	100	0.00	0.0	4.325	0.012	0	0	0	0
PD.146-B	PL.17148	A	Open	7.46Y	124.3	0.00	1.73	0.00	0	0	0	100	0.00	0.0	4.325	0.000	0	0	0	0
0193108	PL.11736	A	Consumer	7.46Y	124.3	0.00	1.73	0.00	0	0	0	100	0.00	0.0	4.313	0.000	0	0	0	0
019369	PL.11736	A	Consumer	7.46Y	124.3	0.00	1.73	0.46	0	3	1	95	0.00	0.0	4.313	0.000	3	1	1	1
019389	PL.11736	A	Consumer	7.46Y	124.3	0.00	1.73	0.13	0	1	0	100	0.00	0.0	4.313	0.000	1	0	1	1
019365	PL.5761	A	Consumer	7.46Y	124.3	0.00	1.73	0.00	0	0	0	100	0.00	0.0	4.295	0.000	0	0	0	0
019378	PL.5761	A	Consumer	7.46Y	124.3	0.00	1.73	0.12	0	1	0	100	0.00	0.0	4.295	0.000	1	0	1	1
019381	PL.5761	A	Consumer	7.46Y	124.3	0.00	1.73	0.00	0	0	0	100	0.00	0.0	4.295	0.000	0	0	0	0
019380	PL.5761	A	Consumer	7.46Y	124.3	0.00	1.73	0.00	0	0	0	100	0.00	0.0	4.295	0.000	0	0	0	0
019382	PL.5761	A	Consumer	7.46Y	124.3	0.00	1.73	1.01	0	7	1	99	0.00	0.0	4.295	0.000	7	1	1	1
PL.34644	PL.11738	A	4ACSR	7.46Y	124.3	0.00	1.72	0.50	0	4	1	97	0.00	0.0	4.207	0.009	0	0	0	1
PD.4903	PL.34644	A	fuse6AMP	7.46Y	124.3	0.00	1.72	0.50	9	4	1	97	0.00	0.0	4.207	0.000	0	0	0	1
PL.34645	PD.4903	A	4ACSR	7.46Y	124.3	0.00	1.72	0.50	0	4	1	97	0.00	0.0	4.280	0.073	0	0	0	1
070321	PL.34645	A	Consumer	7.46Y	124.3	0.00	1.72	0.50	0	4	1	97	0.00	0.0	4.280	0.000	4	1	1	1
PL.34671	PL.34669	A	2ACSR	7.48Y	124.7	0.00	1.35	1.48	1	11	2	98	0.00	0.0	3.318	0.005	0	0	0	1
PD.4916	PL.34671	A	fuse6AMP	7.48Y	124.7	0.00	1.35	1.48	25	11	2	98	0.00	0.0	3.318	0.000	0	0	0	1
PL.34672	PD.4916	A	2ACSR	7.48Y	124.7	0.00	1.35	1.48	1	11	2	98	0.00	0.0	3.371	0.053	0	0	0	1
071348	PL.34672	A	Consumer	7.48Y	124.7	0.00	1.35	1.48	0	11	2	98	0.00	0.0	3.371	0.000	11	2	1	1
PL.34666	PL.15487	A	4ACSR	7.48Y	124.7	0.00	1.26	2.44	1	18	3	99	0.00	0.0	3.187	0.013	0	0	0	2
PD.4915	PL.34666	A	fuse6AMP	7.48Y	124.7	0.00	1.26	2.44	42	18	3	99	0.00	0.0	3.187	0.000	0	0	0	2
PL.34667	PD.4915	A	4ACSR	7.48Y	124.7	0.01	1.27	2.44	1	18	3	99	0.00	0.0	3.262	0.075	0	0	0	2
PL.4766	PL.34667	A	4ACSR	7.48Y	124.7	0.01	1.28	1.67	1	12	2	99	0.00	0.0	3.367	0.105	0	0	0	1
071340	PL.4766	A	Consumer	7.48Y	124.7	0.00	1.28	1.67	0	12	2	99	0.00	0.0	3.367	0.000	12	2	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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
071337	PL.34667	A	Consumer	7.48Y	124.7	0.00	1.27	0.76	0	6	1	99	0.00	0.0	3.262	0.000	6	1	1	1
PL.34664	PL.15487	A	4ACSR	7.48Y	124.7	0.00	1.26	0.45	0	3	1	95	0.00	0.0	3.182	0.008	0	0	0	1
PD.4914	PL.34664	A	fuse6AMP	7.48Y	124.7	0.00	1.26	0.45	8	3	1	95	0.00	0.0	3.182	0.000	0	0	0	1
PL.34665	PD.4914	A	4ACSR	7.48Y	124.7	0.00	1.26	0.45	0	3	1	95	0.00	0.0	3.249	0.066	0	0	0	1
071306	PL.34665	A	Consumer	7.48Y	124.7	0.00	1.26	0.45	0	3	1	95	0.00	0.0	3.249	0.000	3	1	1	1
PL.24266	PL.12630	A	4ACSR	7.49Y	124.9	0.00	1.09	0.52	0	4	1	97	0.00	0.0	2.998	0.068	0	0	0	1
071308	PL.24266	A	Consumer	7.49Y	124.9	0.00	1.09	0.52	0	4	1	97	0.00	0.0	2.998	0.000	4	1	1	1
071314	PL.12628	A	Consumer	7.50Y	125.0	0.00	0.99	0.41	0	3	0	100	0.00	0.0	2.795	0.000	3	0	1	1
PL.15488	PL.12627	A	4ACSR	7.50Y	125.0	0.00	0.96	1.05	1	8	1	99	0.00	0.0	2.771	0.006	0	0	0	1
PD.3268	PL.15488	A	fuse6AMP	7.50Y	125.0	0.00	0.96	1.05	18	8	1	99	0.00	0.0	2.771	0.000	0	0	0	1
PL.20169	PD.3268	A	4ACSR	7.50Y	125.0	0.00	0.97	1.05	1	8	1	99	0.00	0.0	2.829	0.058	0	0	0	1
PL.20170	PL.20169	A	4ACSR	7.50Y	125.0	0.00	0.97	1.05	1	8	1	99	0.00	0.0	2.832	0.003	0	0	0	1
071333	PL.20170	A	Consumer	7.50Y	125.0	0.00	0.97	1.05	0	8	1	99	0.00	0.0	2.832	0.000	8	1	1	1
PL.34662	PD.2933	A	4ACSR	7.51Y	125.2	0.00	0.83	0.77	0	6	1	99	0.00	0.0	2.593	0.007	0	0	0	1
PD.4913	PL.34662	A	fuse6AMP	7.51Y	125.2	0.00	0.83	0.77	13	6	1	99	0.00	0.0	2.593	0.000	0	0	0	1
PL.34663	PD.4913	A	4ACSR	7.51Y	125.2	0.00	0.83	0.77	0	6	1	99	0.00	0.0	2.639	0.046	0	0	0	1
071327	PL.34663	A	Consumer	7.51Y	125.2	0.00	0.83	0.77	0	6	1	99	0.00	0.0	2.639	0.000	6	1	1	1
071315	PL.34663	A	Consumer	7.51Y	125.2	0.00	0.83	0.00	0	0	0	100	0.00	0.0	2.639	0.000	0	0	0	0
071312	PL.12622	A	Consumer	7.52Y	125.3	0.00	0.74	0.21	0	2	0	100	0.00	0.0	2.501	0.000	2	0	1	1
071325	PL.12622	A	Consumer	7.52Y	125.3	0.00	0.74	0.00	0	0	0	100	0.00	0.0	2.501	0.000	0	0	0	0
071313	PL.14889	A	Consumer	7.53Y	125.4	0.00	0.55	0.40	0	3	0	100	0.00	0.0	2.306	0.000	3	0	1	1
PL.38913	PL.4915	A	4ACSR	7.54Y	125.6	0.00	0.39	1.99	1	15	2	99	0.00	0.0	2.158	0.011	0	0	0	4
PD.6766	PL.38913	A	fuse6AMP	7.54Y	125.6	0.00	0.39	1.99	34	15	2	99	0.00	0.0	2.158	0.000	0	0	0	4
PL.38914	PD.6766	A	4ACSR	7.54Y	125.6	0.00	0.39	1.99	1	15	2	99	0.00	0.0	2.168	0.009	0	0	0	4
PL.7587	PL.38914	A	4ACSR	7.54Y	125.6	0.00	0.39	1.99	1	15	2	99	0.00	0.0	2.187	0.020	0	0	0	4
0714111	PL.7587	A	Consumer	7.54Y	125.6	0.00	0.39	0.40	0	3	0	100	0.00	0.0	2.187	0.000	3	0	1	1
PL.7588	PL.7587	A	4ACSR	7.54Y	125.6	0.00	0.40	1.59	1	12	2	99	0.00	0.0	2.232	0.045	0	0	0	3
PL.4899	PL.7588	A	4ACSR	7.54Y	125.6	0.00	0.40	1.59	1	12	2	99	0.00	0.0	2.273	0.041	0	0	0	3
071439	PL.4899	A	Consumer	7.54Y	125.6	0.00	0.40	0.46	0	3	1	95	0.00	0.0	2.273	0.000	3	1	1	1
071485	PL.4899	A	Consumer	7.54Y	125.6	0.00	0.40	0.72	0	5	1	98	0.00	0.0	2.273	0.000	5	1	1	1
PL.4898	PL.4899	A	4ACSR	7.54Y	125.6	0.00	0.40	0.41	0	3	0	100	0.00	0.0	2.364	0.091	0	0	0	1
071490	PL.4898	A	Consumer	7.54Y	125.6	0.00	0.40	0.41	0	3	0	100	0.00	0.0	2.364	0.000	3	0	1	1
PL.31886	PL.4915	A	4ACSR	7.54Y	125.6	0.00	0.39	0.00	0	0	0	100	0.00	0.0	2.156	0.009	0	0	0	0
071334	PL.4915	A	Consumer	7.54Y	125.6	0.00	0.39	0.86	0	6	1	99	0.00	0.0	2.147	0.000	6	1	1	1
071305	PL.4915	A	Consumer	7.54Y	125.6	0.00	0.39	1.01	0	8	1	99	0.00	0.0	2.147	0.000	8	1	1	1
PL.4911	PL.12619	A	4ACSR	7.55Y	125.9	0.00	0.10	0.44	0	3	1	95	0.00	0.0	1.977	0.062	0	0	0	1
071474	PL.4911	A	Consumer	7.55Y	125.9	0.00	0.10	0.44	0	3	1	95	0.00	0.0	1.977	0.000	3	1	1	1
PL.15491	PL.12619	A	4ACSR	7.55Y	125.9	0.00	0.10	0.82	0	6	1	99	0.00	0.0	1.920	0.005	0	0	0	1

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

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.2127	PL.15491	A	fuse6AMP	7.55Y	125.9	0.00	0.10	0.82	14	6	1	99	0.00	0.0	1.920	0.000	0	0	0	1
PL.15492	PD.2127	A	4ACSR	7.55Y	125.9	0.00	0.10	0.82	0	6	1	99	0.00	0.0	1.939	0.018	0	0	0	1
PL.24227	PL.15492	A	4ACSR	7.55Y	125.9	0.00	0.10	0.00	0	0	0	100	0.00	0.0	1.943	0.004	0	0	0	0
628101	PL.15492	A	Consumer	7.55Y	125.9	0.00	0.10	0.82	0	6	1	99	0.00	0.0	1.939	0.000	6	1	1	1
628106	PL.12612	A	Consumer	7.36Y	122.7	0.00	3.34	0.25	0	2	0	100	0.00	0.0	1.800	0.000	2	0	1	1
628104	PL.12612	A	Consumer	7.36Y	122.7	0.00	3.34	0.00	0	0	0	100	0.00	0.0	1.800	0.000	0	0	0	0
PL.38906	PL.12612	A	4ACSR	7.36Y	122.7	0.00	3.34	5.44	3	40	6	99	0.00	0.0	1.801	0.001	0	0	0	11
C PD.6763	PL.38906	A	fuse6AMP	7.36Y	122.7	0.00	3.34	5.44	93	40	6	99	0.00	0.0	1.801	0.000	0	0	0	11 C
PL.38907	PD.6763	A	4ACSR	7.36Y	122.7	0.00	3.34	5.44	3	40	6	99	0.00	0.0	1.802	0.002	0	0	0	11
PL.38905	PL.38907	A	4ACSR	7.36Y	122.6	0.01	3.35	4.49	2	33	5	99	0.00	0.0	1.878	0.075	0	0	0	8
PL.12613	PL.38905	A	4ACSR	7.36Y	122.6	0.00	3.35	4.49	2	33	5	99	0.00	0.0	1.883	0.005	0	0	0	8
628102	PL.12613	A	Consumer	7.36Y	122.6	0.00	3.35	0.09	0	1	0	100	0.00	0.0	1.883	0.000	1	0	1	1
627104	PL.12613	A	Consumer	7.36Y	122.6	0.00	3.35	0.00	0	0	0	100	0.00	0.0	1.883	0.000	0	0	0	0
628105	PL.12613	A	Consumer	7.36Y	122.6	0.00	3.35	0.33	0	2	0	100	0.00	0.0	1.883	0.000	2	0	1	1
PL.12614	PL.12613	A	4ACSR	7.36Y	122.6	0.01	3.36	4.07	2	30	5	99	0.00	0.0	1.927	0.044	0	0	0	6
627103	PL.12614	A	Consumer	7.36Y	122.6	0.00	3.36	0.20	0	1	0	100	0.00	0.0	1.927	0.000	1	0	1	1
627102	PL.12614	A	Consumer	7.36Y	122.6	0.00	3.36	0.25	0	2	0	100	0.00	0.0	1.927	0.000	2	0	1	1
PL.7452	PL.12614	A	4ACSR	7.36Y	122.6	0.01	3.37	3.62	2	26	4	99	0.00	0.0	1.973	0.046	0	0	0	4
PL.12615	PL.7452	A	4ACSR	7.36Y	122.6	0.01	3.38	3.62	2	26	4	99	0.00	0.0	2.024	0.051	0	0	0	4
PL.3857	PL.12615	A	4ACSR	7.36Y	122.6	0.00	3.38	0.00	0	0	0	100	0.00	0.0	2.077	0.052	0	0	0	0
PL.4923	PL.3857	A	4ACSR	7.36Y	122.6	0.00	3.38	0.00	0	0	0	100	0.00	0.0	2.098	0.022	0	0	0	0
PL.12616	PL.12615	A	4ACSR	7.36Y	122.6	0.01	3.38	3.62	2	26	4	99	0.00	0.0	2.072	0.047	0	0	0	4
PL.12617	PL.12616	A	4ACSR	7.36Y	122.6	0.00	3.38	3.62	2	26	4	99	0.00	0.0	2.080	0.008	0	0	0	4
PL.12618	PL.12617	A	4ACSR	7.36Y	122.6	0.01	3.39	2.65	1	19	3	99	0.00	0.0	2.140	0.061	0	0	0	3
PL.24303	PL.12618	A	4ACSR	7.36Y	122.6	0.00	3.39	2.65	1	19	3	99	0.00	0.0	2.167	0.027	0	0	0	3
PL.24332	PL.24303	A	4ACSR	7.36Y	122.6	0.01	3.40	2.65	1	19	3	99	0.00	0.0	2.237	0.069	0	0	0	3
PL.3855	PL.24332	A	4ACSR	7.36Y	122.6	0.00	3.40	1.93	1	14	2	99	0.00	0.0	2.240	0.003	0	0	0	2
PL.4916	PL.3855	A	4ACSR	7.36Y	122.6	0.00	3.40	1.93	1	14	2	99	0.00	0.0	2.252	0.013	0	0	0	2
PL.4335	PL.4916	A	4ACSR	7.36Y	122.6	0.00	3.41	0.80	0	6	1	99	0.00	0.0	2.313	0.061	0	0	0	1
070402	PL.4335	A	Consumer	7.36Y	122.6	0.00	3.41	0.80	0	6	1	99	0.00	0.0	2.313	0.000	6	1	1	1
070401	PL.4916	A	Consumer	7.36Y	122.6	0.00	3.40	1.13	0	8	1	99	0.00	0.0	2.252	0.000	8	1	1	1
624101	PL.24332	A	Consumer	7.36Y	122.6	0.00	3.40	0.71	0	5	1	98	0.00	0.0	2.237	0.000	5	1	1	1
625102	PL.12617	A	Consumer	7.36Y	122.6	0.00	3.38	0.97	0	7	1	99	0.00	0.0	2.080	0.000	7	1	1	1
PL.38903	PL.38907	A	4ACSR	7.36Y	122.7	0.00	3.34	0.95	0	7	1	99	0.00	0.0	1.852	0.049	0	0	0	3
6282010	PL.38903	A	Consumer	7.36Y	122.7	0.00	3.34	0.02	0	0	0	100	0.00	0.0	1.852	0.000	0	0	1	1
628204	PL.38903	A	Consumer	7.36Y	122.7	0.00	3.34	0.51	0	4	1	97	0.00	0.0	1.852	0.000	4	1	1	1
628203	PL.38903	A	Consumer	7.36Y	122.7	0.00	3.34	0.42	0	3	0	100	0.00	0.0	1.852	0.000	3	0	1	1
6282011	PL.12610	A	Consumer	7.37Y	122.8	0.00	3.21	0.01	0	0	0	100	0.00	0.0	1.705	0.000	0	0	1	1

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Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.38899	PL.12610	A	4ACSR	7.37Y	122.8	0.00	3.21	1.91	1	14	2	99	0.00	0.0	1.705	0.001	0	0	0	4
PD.2918	PL.38899	A	fuse6AMP	7.37Y	122.8	0.00	3.21	1.91	33	14	2	99	0.00	0.0	1.705	0.000	0	0	0	4
PL.38900	PD.2918	A	4ACSR	7.37Y	122.8	0.00	3.21	1.91	1	14	2	99	0.00	0.0	1.732	0.027	0	0	0	4
628209	PL.38900	A	Consumer	7.37Y	122.8	0.00	3.21	0.42	0	3	0	100	0.00	0.0	1.732	0.000	3	0	1	1
628207	PL.38900	A	Consumer	7.37Y	122.8	0.00	3.21	0.46	0	3	1	95	0.00	0.0	1.732	0.000	3	1	1	1
628202	PL.38900	A	Consumer	7.37Y	122.8	0.00	3.21	0.30	0	2	0	100	0.00	0.0	1.732	0.000	2	0	1	1
PL.24302	PL.38900	A	4ACSR	7.37Y	122.8	0.00	3.21	0.74	0	5	1	98	0.00	0.0	1.778	0.046	0	0	0	1
PL.24230	PL.24302	A	4ACSR	7.37Y	122.8	0.00	3.21	0.74	0	5	1	98	0.00	0.0	1.802	0.024	0	0	0	1
628302	PL.24230	A	Consumer	7.37Y	122.8	0.00	3.21	0.74	0	5	1	98	0.00	0.0	1.802	0.000	5	1	1	1
629301	PL.7451	A	Consumer	7.38Y	123.0	0.00	3.02	0.54	0	4	1	97	0.00	0.0	1.578	0.000	4	1	1	1
629305	PL.7451	A	Consumer	7.38Y	123.0	0.00	3.02	0.32	0	2	0	100	0.00	0.0	1.578	0.000	2	0	1	1
629304	PL.7451	A	Consumer	7.38Y	123.0	0.00	3.02	0.45	0	3	1	95	0.00	0.0	1.578	0.000	3	1	1	1
629406	PL.7744	B	Consumer	7.50Y	125.0	0.00	0.96	1.52	0	11	2	98	0.00	0.0	1.452	0.000	11	2	1	1
628406	PL.7744	B	Consumer	7.50Y	125.0	0.00	0.96	0.28	0	2	1	89	0.00	0.0	1.452	0.000	2	1	1	1
629403	PL.7744	B	Consumer	7.50Y	125.0	0.00	0.96	0.36	0	3	0	100	0.00	0.0	1.452	0.000	3	0	1	1
629401	PL.7744	B	Consumer	7.50Y	125.0	0.00	0.96	0.00	0	0	0	100	0.00	0.0	1.452	0.000	0	0	0	0
629402	PL.7744	B	Consumer	7.50Y	125.0	0.00	0.96	0.18	0	1	0	100	0.00	0.0	1.452	0.000	1	0	1	1
628405	PL.7744	A	Consumer	7.39Y	123.2	0.00	2.85	0.00	0	0	0	100	0.00	0.0	1.452	0.000	0	0	0	0
628403	PL.7744	B	Consumer	7.50Y	125.0	0.00	0.96	0.00	0	0	0	100	0.00	0.0	1.452	0.000	0	0	1	1
PL.45424	PL.12608	A	2ACSR	7.39Y	123.2	0.00	2.78	0.00	0	0	0	100	0.00	0.0	1.443	0.057	0	0	0	0
6274020	PL.45424	A	Consumer	7.39Y	123.2	0.00	2.78	0.00	0	0	0	100	0.00	0.0	1.443	0.000	0	0	0	0
627414	PL.12608	B	Consumer	7.50Y	125.0	0.00	0.99	0.64	0	5	1	98	0.00	0.0	1.386	0.000	5	1	1	1
628402	PL.12609	B	Consumer	7.50Y	125.0	0.00	1.00	0.27	0	2	0	100	0.00	0.0	1.353	0.000	2	0	1	1
		C		7.47Y	124.6	0.00	1.42	0.27	0	2	0	99					2	0	1	1
628404	PL.12609	B	Consumer	7.50Y	125.0	0.00	1.00	0.51	0	4	1	97	0.00	0.0	1.353	0.000	4	1	1	1
		C		7.47Y	124.6	0.00	1.42	0.51	0	4	1	99					4	1	1	1
627412	PL.12609	B	Consumer	7.50Y	125.0	0.00	1.00	0.08	0	1	0	100	0.00	0.0	1.353	0.000	1	0	1	1
		C		7.47Y	124.6	0.00	1.42	0.08	0	1	0	90					1	0	1	1
628407	PL.12609	B	Consumer	7.50Y	125.0	0.00	1.00	1.25	0	9	1	99	0.00	0.0	1.353	0.000	9	1	1	1
628401	PL.12609	B	Consumer	7.50Y	125.0	0.00	1.00	0.36	0	3	0	100	0.00	0.0	1.353	0.000	3	0	1	1
		C		7.47Y	124.6	0.00	1.42	0.37	0	3	0	99					3	0	1	1
627411	PL.12609	B	Consumer	7.50Y	125.0	0.00	1.00	0.11	0	1	0	100	0.00	0.0	1.353	0.000	1	0	1	1
		C		7.47Y	124.6	0.00	1.42	0.11	0	1	0	99					1	0	1	1
627404	PL.12609	B	Consumer	7.50Y	125.0	0.00	1.00	0.17	0	1	0	100	0.00	0.0	1.353	0.000	1	0	1	1
		C		7.47Y	124.6	0.00	1.42	0.18	0	1	0	99					1	0	1	1
627405	PL.12609	B	Consumer	7.50Y	125.0	0.00	1.00	0.13	0	1	0	100	0.00	0.0	1.353	0.000	1	0	1	1
		C		7.47Y	124.6	0.00	1.42	0.13	0	1	0	99					1	0	1	1
PL.15501	PL.24226	A	6ACWC	7.40Y	123.3	0.00	2.69	0.00	0	0	0	100	0.00	0.0	1.290	0.005	0	0	0	0
		B		7.50Y	125.0	0.00	1.03	9.10	5	65	20	96					0	0	0	13
		C		7.48Y	124.6	-0.00	1.40	0.00	0	0	0	100					0	0	0	0
PD.2931	PL.15501	A	fuse8AMP	7.40Y	123.3	0.00	2.69	0.00	0	0	0	100	0.00	0.0	1.290	0.000	0	0	0	0
C		B		7.50Y	125.0	0.00	1.03	9.10	124	65	20	96					0	0	0	13 C
		C		7.48Y	124.6	0.00	1.40	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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.15502	PD.2931	A	6ACWC	7.40Y	123.3	0.00	2.69	0.00	0	0	0	100	0.01	0.0	1.328	0.038	0	0	0	0
		B		7.50Y	125.0	0.02	1.04	9.10	5	65	20	96					0	0	0	13
		C		7.48Y	124.6	-0.00	1.39	0.00	0	0	0	100					0	0	0	0
626302	PL.15502	B	Consumer	7.50Y	125.0	0.00	1.04	0.23	0	2	0	100	0.00	0.0	1.328	0.000	2	0	1	1
627301	PL.15502	B	Consumer	7.50Y	125.0	0.00	1.04	0.39	0	3	0	100	0.00	0.0	1.328	0.000	3	0	1	1
627413	PL.15502	B	Consumer	7.50Y	125.0	0.00	1.04	1.27	0	9	2	98	0.00	0.0	1.328	0.000	9	2	1	1
627407	PL.15502	B	Consumer	7.50Y	125.0	0.00	1.04	0.03	0	0	0	100	0.00	0.0	1.328	0.000	0	0	1	1
626406	PL.15502	B	Consumer	7.50Y	125.0	0.00	1.04	0.23	0	2	1	89	0.00	0.0	1.328	0.000	2	1	1	1
PL.24329	PL.15502	A	6ACWC	7.40Y	123.3	0.00	2.69	0.00	0	0	0	100	0.01	0.0	1.437	0.109	0	0	0	0
		B		7.50Y	124.9	0.04	1.08	6.98	4	50	17	95					0	0	0	8
		C		7.48Y	124.6	-0.01	1.39	0.00	0	0	0	100					0	0	0	0
PL.24330	PL.24329	A	6ACWC	7.40Y	123.3	0.00	2.69	0.00	0	0	0	100	0.00	0.0	1.506	0.069	0	0	0	0
		B		7.50Y	124.9	0.00	1.08	1.28	1	9	2	99					0	0	0	1
		C		7.48Y	124.6	-0.00	1.38	0.00	0	0	0	100					0	0	0	0
625302	PL.24330	B	Consumer	7.50Y	124.9	0.00	1.08	1.28	0	9	2	98	0.00	0.0	1.506	0.000	9	2	1	1
626301	PL.24329	B	Consumer	7.50Y	124.9	0.00	1.08	1.46	0	11	2	98	0.00	0.0	1.437	0.000	11	2	1	1
PL.24331	PL.24329	A	6ACWC	7.40Y	123.3	0.00	2.69	0.00	0	0	0	100	0.00	0.0	1.502	0.065	0	0	0	0
		B		7.49Y	124.9	0.01	1.09	4.30	2	29	13	91					0	0	0	6
		C		7.48Y	124.6	-0.00	1.38	0.00	0	0	0	100					0	0	0	0
PL.24224	PL.24331	A	6ACWC	7.40Y	123.3	0.00	2.70	0.00	0	0	0	100	0.00	0.0	1.568	0.067	0	0	0	0
		B		7.49Y	124.9	0.00	1.09	0.37	0	3	0	99					0	0	0	1
		C		7.48Y	124.6	-0.00	1.38	0.00	0	0	0	100					0	0	0	0
625401	PL.24224	B	Consumer	7.49Y	124.9	0.00	1.09	0.00	0	0	0	100	0.00	0.0	1.568	0.000	0	0	0	0
625303	PL.24224	C	Consumer	7.48Y	124.6	0.00	1.38	0.00	0	0	0	100	0.00	0.0	1.568	0.000	0	0	0	0
625301	PL.24224	B	Consumer	7.49Y	124.9	0.00	1.09	0.37	0	3	0	100	0.00	0.0	1.568	0.000	3	0	1	1
PL.24225	PL.24331	A	6ACWC	7.40Y	123.3	0.00	2.70	0.00	0	0	0	100	0.00	0.0	1.537	0.036	0	0	0	0
		B		7.49Y	124.9	0.00	1.09	0.25	0	2	1	90					0	0	0	2
		C		7.48Y	124.6	-0.00	1.38	0.00	0	0	0	100					0	0	0	0
626401	PL.24225	B	Consumer	7.49Y	124.9	0.00	1.09	0.19	0	1	1	71	0.00	0.0	1.537	0.000	1	1	1	1
626409	PL.24225	B	Consumer	7.49Y	124.9	0.00	1.09	0.06	0	0	0	100	0.00	0.0	1.537	0.000	0	0	1	1
626411	PL.24331	B	Consumer	7.49Y	124.9	0.00	1.09	1.48	0	10	5	89	0.00	0.0	1.502	0.000	10	5	1	1
626412	PL.24331	B	Consumer	7.49Y	124.9	0.00	1.09	2.17	0	15	7	91	0.00	0.0	1.502	0.000	15	7	1	1
626408	PL.24331	B	Consumer	7.49Y	124.9	0.00	1.09	0.03	0	0	0	100	0.00	0.0	1.502	0.000	0	0	1	1
627406	PL.24226	C	Consumer	7.48Y	124.6	0.00	1.40	6.36	0	43	21	90	0.00	0.0	1.284	0.000	43	21	1	1
626407	OH36	A	Consumer	7.40Y	123.4	0.00	2.64	0.36	0	2	1	89	0.00	0.0	1.237	0.000	2	1	1	1
626410	OH36	A	Consumer	7.40Y	123.4	0.00	2.64	1.09	0	7	4	87	0.00	0.0	1.237	0.000	7	4	1	1
6264015	626410	A	Consumer	7.40Y	123.4	0.00	2.64	0.00	0	0	0	100	0.00	0.0	1.237	0.000	0	0	0	0
626402	OH36	A	Consumer	7.40Y	123.4	0.00	2.64	0.00	0	0	0	100	0.00	0.0	1.237	0.000	0	0	0	0
OH34	PL.26224	A	4/0ACSR	7.41Y	123.5	0.07	2.47	130.47	28	947	196	98	0.87	0.0	1.006	0.049	0	0	0	181
		B		7.49Y	124.9	0.05	1.09	112.75	24	824	188	97					0	0	0	173
		C		7.48Y	124.6	0.05	1.37	105.82	23	776	159	98					0	0	0	157
PL.15969	OH34	C	4ACSR	7.48Y	124.6	0.00	1.37	0.90	0	7	1	99	0.00	0.0	1.012	0.005	0	0	0	1
PD.2915	PL.15969	C	fuse6AMP	7.48Y	124.6	0.00	1.37	0.90	15	7	1	99	0.00	0.0	1.012	0.000	0	0	0	1
PL.15968	PD.2915	C	4ACSR	7.48Y	124.6	0.00	1.37	0.90	0	7	1	99	0.00	0.0	1.041	0.029	0	0	0	1
624501	PL.15968	C	Consumer	7.48Y	124.6	0.00	1.37	0.90	0	7	1	99	0.00	0.0	1.041	0.000	7	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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.26225	OH34	A	4/0ACSR	7.41Y	123.5	0.07	2.54	130.47	28	947	195	98	0.87	0.0	1.056	0.050	0	0	0	181
		B		7.49Y	124.9	0.05	1.14	112.75	24	824	188	98					0	0	0	173
		C		7.47Y	124.6	0.05	1.42	104.92	22	769	157	98					0	0	0	156
PL.15966	PL.26225	A	4/0ACSR	7.40Y	123.3	0.11	2.65	130.47	28	947	195	98	1.35	0.1	1.133	0.077	0	0	0	181
		B		7.49Y	124.8	0.07	1.21	112.75	24	824	187	98					0	0	0	173
		C		7.47Y	124.5	0.08	1.50	104.92	22	768	157	98					0	0	0	156
PL.15967	PL.15966	A	4/0ACSR	7.40Y	123.3	0.01	2.66	130.47	28	946	194	98	0.10	0.0	1.139	0.005	0	0	0	181
		B		7.49Y	124.8	0.01	1.22	112.75	24	823	186	98					0	0	0	173
		C		7.47Y	124.5	0.01	1.51	104.92	22	768	157	98					0	0	0	156
PL.46590	PL.15967	A	4/0ACSR	7.40Y	123.3	0.00	2.66	6.60	1	43	23	88	0.00	0.0	1.154	0.015	0	0	0	1
		B		7.49Y	124.8	0.00	1.22	3.61	1	23	14	86					0	0	0	1
		C		7.47Y	124.5	0.00	1.51	12.01	3	80	41	89					0	0	0	4
PD.2920	PL.46590	A	fuse15AMP	7.40Y	123.3	0.00	2.66	6.60	44	43	23	88	0.00	0.0	1.154	0.000	0	0	0	1
		B		7.49Y	124.8	0.00	1.22	3.61	24	23	14	86					0	0	0	1
		C		7.47Y	124.5	0.00	1.51	12.01	79	80	41	89					0	0	0	4
PL.46591	PD.2920	A	4/0ACSR	7.40Y	123.3	0.00	2.66	6.60	1	43	23	88	0.00	0.0	1.173	0.019	0	0	0	1
		B		7.49Y	124.8	0.00	1.22	3.61	1	23	14	86					0	0	0	1
		C		7.47Y	124.5	0.00	1.51	12.01	3	80	41	89					0	0	0	4
625604	PL.46591	A	Consumer	7.40Y	123.3	0.00	2.66	2.95	0	20	10	89	0.00	0.0	1.173	0.000	20	10	1	1
		C		7.47Y	124.5	0.00	1.51	2.92	0	20	10	90					20	10	1	1
PL.26227	PL.46591	A	4/0ACSR	7.40Y	123.3	0.00	2.66	3.66	1	23	14	85	0.00	0.0	1.196	0.023	0	0	0	1
		B		7.49Y	124.8	0.00	1.22	3.61	1	23	14	86					0	0	0	1
		C		7.47Y	124.5	0.00	1.52	9.09	2	60	31	89					0	0	0	4
PL.3858	PL.26227	A	4/0ACSR	7.40Y	123.3	0.00	2.66	2.95	1	19	11	87	0.00	0.0	1.235	0.039	0	0	0	0
		B		7.49Y	124.8	0.00	1.22	2.92	1	19	11	85					0	0	0	0
		C		7.47Y	124.5	0.00	1.52	7.09	2	47	25	89					0	0	0	2
626712	PL.3858	A	Consumer	7.40Y	123.3	0.00	2.66	2.95	0	19	11	87	0.00	0.0	1.235	0.000	19	11	0	0
		B		7.49Y	124.8	0.00	1.22	2.92	0	19	11	85					19	11	0	0
		C		7.47Y	124.5	0.00	1.52	2.92	0	19	11	85					19	11	0	0
626621	PL.3858	A	Consumer	7.40Y	123.3	0.00	2.66	0.00	0	0	0	100	0.00	0.0	1.235	0.000	0	0	0	0
		B		7.49Y	124.8	0.00	1.22	0.00	0	0	0	100					0	0	0	0
		C		7.47Y	124.5	0.00	1.52	0.00	0	0	0	100					0	0	0	0
PL.3859	PL.3858	C	4ACSR	7.47Y	124.5	0.00	1.52	4.18	2	28	13	91	0.00	0.0	1.258	0.023	0	0	0	2
626611	PL.3859	C	Consumer	7.47Y	124.5	0.00	1.52	0.00	0	0	0	100	0.00	0.0	1.258	0.000	0	0	0	0
626603	PL.3859	C	Consumer	7.47Y	124.5	0.00	1.52	0.00	0	0	0	100	0.00	0.0	1.258	0.000	0	0	0	0
625601	PL.3859	C	Consumer	7.47Y	124.5	0.00	1.52	0.00	0	0	0	100	0.00	0.0	1.258	0.000	0	0	0	0
625607	PL.3859	C	Consumer	7.47Y	124.5	0.00	1.52	3.92	0	26	13	89	0.00	0.0	1.258	0.000	26	13	1	1
626602	PL.3859	C	Consumer	7.47Y	124.5	0.00	1.52	0.27	0	2	0	100	0.00	0.0	1.258	0.000	2	0	1	1
PL.26228	PL.26227	A	4/0ACSR	7.40Y	123.3	-0.00	2.66	0.00	0	0	0	100	0.00	0.0	1.206	0.010	0	0	0	0
		B		7.49Y	124.8	0.00	1.22	0.00	0	0	0	100					0	0	0	0
		C		7.47Y	124.5	0.00	1.52	1.30	0	9	4	90					0	0	0	1
PL.7733	PL.26228	A	4/0ACSR	7.40Y	123.3	-0.00	2.66	0.00	0	0	0	100	0.00	0.0	1.282	0.077	0	0	0	0
		B		7.49Y	124.8	0.00	1.22	0.00	0	0	0	100					0	0	0	0
		C		7.47Y	124.5	0.00	1.52	1.30	0	9	4	90					0	0	0	1
PL.7734	PL.7733	A	4ACSR	7.40Y	123.3	0.00	2.66	0.00	0	0	0	100	0.00	0.0	1.282	0.000	0	0	0	0
626703	PL.7733	C	Consumer	7.47Y	124.5	0.00	1.52	1.30	0	9	4	91	0.00	0.0	1.282	0.000	9	4	1	1
625606	PL.26227	A	Consumer	7.40Y	123.3	0.00	2.66	0.71	0	5	2	93	0.00	0.0	1.196	0.000	5	2	0	0
		B		7.49Y	124.8	0.00	1.22	0.70	0	5	2	90					5	2	0	0
		C		7.47Y	124.5	0.00	1.52	0.70	0	5	2	90					5	2	0	0
PL.19038	PL.15967	A	4/0ACSR	7.40Y	123.3	0.08	2.73	124.17	26	903	170	98	0.88	0.0	1.195	0.057	0	0	0	180
		B		7.48Y	124.7	0.05	1.27	109.32	23	800	173	98					0	0	0	172
		C		7.47Y	124.4	0.05	1.55	93.40	20	688	116	99					0	0	0	151

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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.19039	PL.19038	A	4/0ACSR	7.39Y	123.2	0.05	2.78	124.17	26	903	169	98	0.56	0.0	1.232	0.036	0	0	0	180
		B		7.48Y	124.7	0.03	1.30	108.65	23	795	170	98					0	0	0	167
		C		7.47Y	124.4	0.03	1.58	93.40	20	688	116	99					0	0	0	151
626616	PL.19039	B	Consumer	7.48Y	124.7	0.00	1.30	0.00	0	0	0	100	0.00	0.0	1.232	0.000	0	0	1	1
626615	PL.19039	B	Consumer	7.48Y	124.7	0.00	1.30	0.49	0	3	2	83	0.00	0.0	1.232	0.000	3	2	1	1
626613	PL.19039	B	Consumer	7.48Y	124.7	0.00	1.30	0.06	0	0	0	100	0.00	0.0	1.232	0.000	0	0	1	1
PL.15964	PL.19039	A	4/0ACSR	7.39Y	123.1	0.10	2.89	124.17	26	902	169	98	1.20	0.1	1.309	0.077	0	0	0	180
		B		7.48Y	124.6	0.07	1.37	108.11	23	791	168	98					0	0	0	164
		C		7.46Y	124.4	0.06	1.65	93.40	20	688	115	99					0	0	0	151
PL.15965	PL.15964	A	4/0ACSR	7.39Y	123.1	0.01	2.89	124.17	26	902	168	98	0.08	0.0	1.315	0.005	0	0	0	180
		B		7.48Y	124.6	0.00	1.38	108.11	23	791	168	98					0	0	0	164
		C		7.46Y	124.3	0.00	1.65	93.40	20	687	115	99					0	0	0	151
PL.46588	PL.15965	A	4/0ACSR	7.39Y	123.1	0.00	2.90	6.03	1	38	23	86	0.00	0.0	1.331	0.017	0	0	0	0
		B		7.48Y	124.6	0.00	1.38	5.95	1	38	23	85					0	0	0	0
		C		7.46Y	124.3	0.00	1.65	5.97	1	38	23	85					0	0	0	0
PD.2917	PL.46588	A	fuse15AMP	7.39Y	123.1	0.00	2.90	6.03	40	38	23	86	0.00	0.0	1.331	0.000	0	0	0	0
		B		7.48Y	124.6	0.00	1.38	5.95	39	38	23	85					0	0	0	0
		C		7.46Y	124.3	0.00	1.65	5.97	39	38	23	85					0	0	0	0
PL.46589	PD.2917	A	4/0ACSR	7.39Y	123.1	0.00	2.90	6.03	1	38	23	86	0.00	0.0	1.381	0.050	0	0	0	0
		B		7.48Y	124.6	0.00	1.38	5.95	1	38	23	85					0	0	0	0
		C		7.46Y	124.3	0.00	1.66	5.97	1	38	23	85					0	0	0	0
626610	PL.46589	A	Consumer	7.39Y	123.1	0.00	2.90	6.03	0	38	23	86	0.00	0.0	1.381	0.000	38	23	0	0
		B		7.48Y	124.6	0.00	1.38	5.95	0	38	23	85					38	23	0	0
		C		7.46Y	124.3	0.00	1.66	5.97	0	38	23	85					38	23	0	0
PL.24325	PL.15965	C	4ACSR	7.46Y	124.3	0.00	1.65	0.50	0	4	1	97	0.00	0.0	1.365	0.050	0	0	0	2
6277005	PL.24325	C	Consumer	7.46Y	124.3	0.00	1.65	0.02	0	0	0	100	0.00	0.0	1.365	0.000	0	0	1	1
627701	PL.24325	C	Consumer	7.46Y	124.3	0.00	1.65	0.48	0	4	1	97	0.00	0.0	1.365	0.000	4	1	1	1
PL.26229	PL.15965	A	4/0ACSR	7.38Y	123.1	0.05	2.94	118.57	25	864	144	99	0.55	0.0	1.354	0.039	0	0	0	179
		B		7.48Y	124.6	0.03	1.41	102.53	22	753	144	98					0	0	0	164
		C		7.46Y	124.3	0.03	1.68	87.03	19	643	89	99					0	0	0	146
PL.26230	PL.26229	A	4/0ACSR	7.38Y	123.0	0.08	3.02	118.57	25	864	144	99	0.82	0.0	1.413	0.059	0	0	0	179
		B		7.47Y	124.5	0.05	1.46	101.75	22	747	143	98					0	0	0	162
		C		7.46Y	124.3	0.04	1.72	87.03	19	643	89	99					0	0	0	146
PL.24335	PL.26230	A	4/0ACSR	7.38Y	123.0	0.00	3.02	1.50	0	10	5	89	0.00	0.0	1.492	0.079	0	0	0	0
		B		7.47Y	124.5	0.00	1.46	1.48	0	10	5	90					0	0	0	0
		C		7.46Y	124.3	0.00	1.73	1.49	0	10	5	90					0	0	0	0
626708	PL.24335	A	Consumer	7.38Y	123.0	0.00	3.02	1.50	0	10	5	89	0.00	0.0	1.492	0.000	10	5	0	0
		B		7.47Y	124.5	0.00	1.46	1.48	0	10	5	90					10	5	0	0
		C		7.46Y	124.3	0.00	1.73	1.49	0	10	5	90					10	5	0	0
626711	PL.26230	A	Consumer	7.38Y	123.0	0.00	3.02	0.45	0	3	1	95	0.00	0.0	1.413	0.000	3	1	1	1
626713	PL.26230	A	Consumer	7.38Y	123.0	0.00	3.02	0.72	0	5	2	93	0.00	0.0	1.413	0.000	5	2	1	1
626714	PL.26230	A	Consumer	7.38Y	123.0	0.00	3.02	0.00	0	0	0	100	0.00	0.0	1.413	0.000	0	0	0	0
627704	PL.26230	A	Consumer	7.38Y	123.0	0.00	3.02	0.32	0	2	0	100	0.00	0.0	1.413	0.000	2	0	1	1
627703	PL.26230	A	Consumer	7.38Y	123.0	0.00	3.02	3.35	0	22	11	89	0.00	0.0	1.413	0.000	22	11	1	1
PL.19376	PL.26230	A	4/0ACSR	7.38Y	122.9	0.05	3.07	112.46	24	820	124	99	0.53	0.0	1.454	0.041	0	0	0	175
		B		7.47Y	124.5	0.03	1.49	100.32	21	737	137	98					0	0	0	161
		C		7.45Y	124.2	0.03	1.75	85.62	18	633	84	99					0	0	0	146
PL.19377	PL.19376	A	4/0ACSR	7.37Y	122.9	0.05	3.12	113.74	24	820	177	98	0.51	0.0	1.493	0.038	0	0	0	175
		B		7.47Y	124.5	0.04	1.53	101.88	22	737	191	97					0	0	0	161
		C		7.45Y	124.2	0.03	1.78	86.86	18	633	138	98					0	0	0	146

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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.27719	PL.19377	A	6ACWC	7.37Y	122.9	0.00	3.12	0.00	0	0	0	100	0.03	0.0	1.518	0.025	0	0	0	0
		B		7.47Y	124.4	0.03	1.55	23.03	12	169	29	99					0	0	0	56
		C		7.45Y	124.2	-0.00	1.78	3.18	2	23	5	98					0	0	0	7
PD.3576	PL.27719	A	VWVE	7.37Y	122.9	0.00	3.12	0.00	0	0	0	100	0.00	0.0	1.518	0.000	0	0	0	0
		B		7.47Y	124.4	0.00	1.55	23.03	0	169	29	99					0	0	0	56
		C		7.45Y	124.2	0.00	1.78	3.18	0	23	5	98					0	0	0	7
PL.27720	PD.3576	A	6ACWC	7.37Y	122.9	0.00	3.12	0.00	0	0	0	100	0.02	0.0	1.536	0.018	0	0	0	0
		B		7.47Y	124.4	0.02	1.57	23.03	12	169	29	99					0	0	0	56
		C		7.45Y	124.2	-0.00	1.78	3.18	2	23	5	98					0	0	0	7
627802	PL.27720	B	Consumer	7.47Y	124.4	0.00	1.57	0.16	0	1	1	71	0.00	0.0	1.536	0.000	1	1	1	1
		C		7.45Y	124.2	0.00	1.78	0.16	0	1	1	90					1	1	1	1
627806	PL.27720	B	Consumer	7.47Y	124.4	0.00	1.57	0.53	0	4	2	89	0.00	0.0	1.536	0.000	4	2	1	1
		C		7.45Y	124.2	0.00	1.78	0.53	0	4	2	90					4	2	1	1
PL.26231	PL.27720	A	6ACWC	7.37Y	122.9	0.02	3.14	0.00	0	0	0	100	0.16	0.1	1.666	0.130	0	0	0	0
		B		7.46Y	124.3	0.13	1.70	22.37	12	165	27	99					0	0	0	55
		C		7.45Y	124.2	-0.02	1.76	2.51	1	18	3	99					0	0	0	6
PL.7745	PL.26231	A	6ACWC	7.37Y	122.9	0.01	3.14	0.00	0	0	0	100	0.08	0.0	1.732	0.067	0	0	0	0
		B		7.45Y	124.2	0.07	1.77	22.37	12	165	27	99					0	0	0	55
		C		7.46Y	124.3	-0.01	1.75	1.49	1	11	2	99					0	0	0	2
PL.15962	PL.7745	B	4ACSR	7.45Y	124.2	0.00	1.77	0.45	0	3	1	95	0.00	0.0	1.738	0.006	0	0	0	1
PD.2928	PL.15962	B	fuse6AMP	7.45Y	124.2	0.00	1.77	0.45	8	3	1	95	0.00	0.0	1.738	0.000	0	0	0	1
PL.45737	PD.2928	B	4ACSR	7.45Y	124.2	0.00	1.77	0.45	0	3	1	95	0.00	0.0	1.746	0.008	0	0	0	1
PL.45738	PL.45737	B	4ACSR	7.45Y	124.2	0.00	1.77	0.45	0	3	1	95	0.00	0.0	1.856	0.110	0	0	0	1
628702	PL.45738	B	Consumer	7.45Y	124.2	0.00	1.77	0.45	0	3	1	95	0.00	0.0	1.856	0.000	3	1	1	1
6297008	PL.45737	B	Consumer	7.45Y	124.2	0.00	1.77	0.00	0	0	0	100	0.00	0.0	1.746	0.000	0	0	0	0
PL.15960	PL.7745	B	4ACSR	7.45Y	124.2	0.00	1.77	1.14	1	8	1	99	0.00	0.0	1.738	0.005	0	0	0	3
PD.2929	PL.15960	B	fuse6AMP	7.45Y	124.2	0.00	1.77	1.14	19	8	1	99	0.00	0.0	1.738	0.000	0	0	0	3
PL.15961	PD.2929	B	4ACSR	7.45Y	124.2	0.00	1.77	1.14	1	8	1	99	0.00	0.0	1.770	0.032	0	0	0	3
629801	PL.15961	B	Consumer	7.45Y	124.2	0.00	1.77	0.63	0	5	1	98	0.00	0.0	1.770	0.000	5	1	1	1
629809	PL.15961	B	Consumer	7.45Y	124.2	0.00	1.77	0.29	0	2	0	100	0.00	0.0	1.770	0.000	2	0	1	1
629807	PL.15961	B	Consumer	7.45Y	124.2	0.00	1.77	0.00	0	0	0	100	0.00	0.0	1.770	0.000	0	0	0	0
629810	PL.15961	B	Consumer	7.45Y	124.2	0.00	1.77	0.23	0	2	0	100	0.00	0.0	1.770	0.000	2	0	1	1
629813	PL.15961	B	Consumer	7.45Y	124.2	0.00	1.77	0.00	0	0	0	100	0.00	0.0	1.770	0.000	0	0	0	0
PL.15957	PL.7745	B	4ACSR	7.45Y	124.2	0.01	1.77	20.77	11	153	25	99	0.01	0.0	1.738	0.006	0	0	0	51
PD.2359-A	PL.15957	B	Closed	7.45Y	124.2	0.00	1.77	20.77	0	153	25	99	0.00	0.0	1.738	0.000	0	0	0	51
PD.2359-B	PD.2359-A	B	Closed	7.45Y	124.2	0.00	1.77	20.77	0	153	25	99	0.00	0.0	1.738	0.000	0	0	0	51
PL.15958	PD.2359-B	B	4ACSR	7.45Y	124.2	0.01	1.78	20.77	11	153	25	99	0.01	0.0	1.744	0.006	0	0	0	51
PD.3574	PL.15958	B	35V4E	7.45Y	124.2	0.00	1.78	20.77	59	153	25	99	0.00	0.0	1.744	0.000	0	0	0	51
PL.15959	PD.3574	B	4ACSR	7.45Y	124.2	0.04	1.82	20.77	11	153	25	99	0.05	0.0	1.793	0.049	0	0	0	51
PL.7746	PL.15959	B	4ACSR	7.45Y	124.2	0.01	1.83	20.60	11	152	25	99	0.02	0.0	1.809	0.016	0	0	0	49
PL.7450	PL.7746	B	4ACSR	7.45Y	124.1	0.02	1.85	20.28	10	149	24	99	0.02	0.0	1.828	0.019	0	0	0	48
PL.34689	PL.7450	B	4ACSR	7.45Y	124.1	0.01	1.86	20.28	10	149	24	99	0.01	0.0	1.841	0.013	0	0	0	48
PL.34690	PL.34689	B	4ACSR	7.45Y	124.1	0.03	1.89	20.28	10	149	24	99	0.03	0.0	1.876	0.035	0	0	0	48
PL.44664	PL.34690	B	4ACSR	7.45Y	124.1	0.00	1.89	1.43	1	11	2	98	0.00	0.0	1.896	0.020	0	0	0	3

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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
071472	PL.44664	B	Consumer	7.45Y	124.1	0.00	1.89	0.35	0	3	0	100	0.00	0.0	1.896	0.000	3	0	1	1
0714138	PL.44664	B	Consumer	7.45Y	124.1	0.00	1.89	0.91	0	7	1	99	0.00	0.0	1.896	0.000	7	1	1	1
0714144	PL.44664	B	Consumer	7.45Y	124.1	0.00	1.89	0.17	0	1	0	100	0.00	0.0	1.896	0.000	1	0	1	1
0714147	PL.44664	B	Consumer	7.45Y	124.1	0.00	1.89	0.00	0	0	0	100	0.00	0.0	1.896	0.000	0	0	0	0
PL.12631	PL.34690	B	4ACSR	7.45Y	124.1	0.02	1.91	18.85	10	139	22	99	0.02	0.0	1.897	0.022	0	0	0	45
PL.12632	PL.12631	B	4ACSR	7.44Y	124.1	0.01	1.92	16.91	9	124	20	99	0.01	0.0	1.916	0.019	0	0	0	42
071470	PL.12632	B	Consumer	7.44Y	124.1	0.00	1.92	0.97	0	7	1	99	0.00	0.0	1.916	0.000	7	1	1	1
0714143	PL.12632	B	Consumer	7.44Y	124.1	0.00	1.92	0.76	0	6	1	99	0.00	0.0	1.916	0.000	6	1	1	1
071452	PL.12632	B	Consumer	7.44Y	124.1	0.00	1.92	0.35	0	3	0	100	0.00	0.0	1.916	0.000	3	0	1	1
071471	PL.12632	B	Consumer	7.44Y	124.1	0.00	1.92	0.46	0	3	1	95	0.00	0.0	1.916	0.000	3	1	1	1
PL.12633	PL.12632	B	4ACSR	7.44Y	124.1	0.02	1.95	14.37	7	106	17	99	0.02	0.0	1.957	0.040	0	0	0	38
629802	PL.12633	B	Consumer	7.44Y	124.1	0.00	1.95	0.41	0	3	0	100	0.00	0.0	1.957	0.000	3	0	1	1
PL.12635	PL.12633	B	4ACSR	7.44Y	124.0	0.01	1.96	13.96	7	103	17	99	0.01	0.0	1.973	0.016	0	0	0	37
0714112	PL.12635	B	Consumer	7.44Y	124.0	0.00	1.96	0.32	0	2	0	100	0.00	0.0	1.973	0.000	2	0	1	1
0714135	PL.12635	B	Consumer	7.44Y	124.0	0.00	1.96	0.96	0	7	1	99	0.00	0.0	1.973	0.000	7	1	1	1
071479	PL.12635	B	Consumer	7.44Y	124.0	0.00	1.96	0.37	0	3	0	100	0.00	0.0	1.973	0.000	3	0	1	1
PL.34684	PL.12635	B	4ACSR	7.44Y	124.0	0.00	1.96	0.61	0	4	1	97	0.00	0.0	1.979	0.006	0	0	0	1
PD.4922	PL.34684	B	fuse6AMP	7.44Y	124.0	0.00	1.96	0.61	10	4	1	97	0.00	0.0	1.979	0.000	0	0	0	1
PL.34685	PD.4922	B	4ACSR	7.44Y	124.0	0.00	1.96	0.61	0	4	1	97	0.00	0.0	2.001	0.022	0	0	0	1
071538	PL.34685	B	Consumer	7.44Y	124.0	0.00	1.96	0.61	0	4	1	97	0.00	0.0	2.001	0.000	4	1	1	1
PL.12634	PL.12635	B	4ACSR	7.44Y	124.0	0.01	1.97	11.69	6	86	14	99	0.01	0.0	2.001	0.028	0	0	0	33
PL.39738	PL.12634	B	4ACSR	7.44Y	124.0	0.00	1.98	7.99	4	59	10	99	0.00	0.0	2.008	0.008	0	0	0	24
PD.509-A	PL.39738	B	Closed	7.44Y	124.0	0.00	1.98	7.99	0	59	10	99	0.00	0.0	2.008	0.000	0	0	0	24
PD.509-B	PD.509-A	B	Closed	7.44Y	124.0	0.00	1.98	7.99	0	59	10	99	0.00	0.0	2.008	0.000	0	0	0	24
PL.39739	PD.509-B	B	4ACSR	7.44Y	124.0	0.02	2.00	7.99	4	59	10	99	0.01	0.0	2.075	0.066	0	0	0	24
PL.12638	PL.39739	B	4ACSR	7.44Y	124.0	0.00	2.00	7.80	4	57	9	99	0.00	0.0	2.082	0.007	0	0	0	23
PL.12639	PL.12638	B	4ACSR	7.44Y	124.0	0.01	2.01	2.57	1	19	3	99	0.00	0.0	2.146	0.064	0	0	0	9
071505	PL.12639	B	Consumer	7.44Y	124.0	0.00	2.01	0.15	0	1	0	100	0.00	0.0	2.146	0.000	1	0	1	1
071521	PL.12639	B	Consumer	7.44Y	124.0	0.00	2.01	0.06	0	0	0	100	0.00	0.0	2.146	0.000	0	0	1	1
PL.12640	PL.12639	B	4ACSR	7.44Y	124.0	0.01	2.02	2.36	1	17	3	98	0.00	0.0	2.211	0.065	0	0	0	7
PL.34702	PL.12640	B	4ACSR	7.44Y	124.0	0.00	2.02	0.90	0	7	1	99	0.00	0.0	2.221	0.010	0	0	0	3
PD.4927	PL.34702	B	fuse6AMP	7.44Y	124.0	0.00	2.02	0.90	15	7	1	99	0.00	0.0	2.221	0.000	0	0	0	3
PL.34707	PD.4927	B	4ACSR	7.44Y	124.0	0.00	2.02	0.90	0	7	1	99	0.00	0.0	2.255	0.034	0	0	0	3
PL.34708	PL.34707	B	4ACSR	7.44Y	124.0	0.00	2.02	0.34	0	2	0	100	0.00	0.0	2.286	0.030	0	0	0	1
071507	PL.34708	B	Consumer	7.44Y	124.0	0.00	2.02	0.34	0	2	0	100	0.00	0.0	2.286	0.000	2	0	1	1
PL.34706	PL.34707	B	4ACSR	7.44Y	124.0	0.00	2.02	0.56	0	4	1	97	0.00	0.0	2.405	0.150	0	0	0	2
PD.2421-A	PL.34706	B	Closed	7.44Y	124.0	0.00	2.02	0.56	0	4	1	97	0.00	0.0	2.405	0.000	0	0	0	2
PD.2421-B	PD.2421-A	B	Closed	7.44Y	124.0	0.00	2.02	0.56	0	4	1	97	0.00	0.0	2.405	0.000	0	0	0	2

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Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.27759	PD.2421-B	B	4ACSR	7.44Y	124.0	0.01	2.03	0.56	0	4	1	97	0.00	0.0	2.933	0.528	0	0	0	2
PL.3454	PL.27759	B	4ACSR	7.44Y	124.0	0.00	2.03	0.52	0	4	1	97	0.00	0.0	3.016	0.083	0	0	0	1
514401	PL.3454	B	Consumer	7.44Y	124.0	0.00	2.03	0.52	0	4	1	97	0.00	0.0	3.016	0.000	4	1	1	1
PL.3456	PL.3454	B	4ACSR	7.44Y	124.0	0.00	2.03	0.00	0	0	0	100	0.00	0.0	3.104	0.088	0	0	0	0
513401	PL.3456	B	Consumer	7.44Y	124.0	0.00	2.03	0.00	0	0	0	100	0.00	0.0	3.104	0.000	0	0	0	0
514302	PL.27759	B	Consumer	7.44Y	124.0	0.00	2.03	0.04	0	0	0	100	0.00	0.0	2.933	0.000	0	0	1	1
PL.34704	PL.12640	B	4ACSR	7.44Y	124.0	0.00	2.02	0.59	0	4	1	97	0.00	0.0	2.225	0.013	0	0	0	2
PD.4928	PL.34704	B	fuse6AMP	7.44Y	124.0	0.00	2.02	0.59	10	4	1	97	0.00	0.0	2.225	0.000	0	0	0	2
PL.34705	PD.4928	B	4ACSR	7.44Y	124.0	0.00	2.02	0.59	0	4	1	97	0.00	0.0	2.326	0.101	0	0	0	2
071519	PL.34705	B	Consumer	7.44Y	124.0	0.00	2.02	0.25	0	2	0	100	0.00	0.0	2.326	0.000	2	0	1	1
071522	PL.34705	B	Consumer	7.44Y	124.0	0.00	2.02	0.35	0	3	0	100	0.00	0.0	2.326	0.000	3	0	1	1
071506	PL.12640	B	Consumer	7.44Y	124.0	0.00	2.02	0.51	0	4	1	97	0.00	0.0	2.211	0.000	4	1	1	1
071510	PL.12640	B	Consumer	7.44Y	124.0	0.00	2.02	0.36	0	3	0	100	0.00	0.0	2.211	0.000	3	0	1	1
071502	PL.12638	B	Consumer	7.44Y	124.0	0.00	2.00	0.36	0	3	0	100	0.00	0.0	2.082	0.000	3	0	1	1
071511	PL.12638	B	Consumer	7.44Y	124.0	0.00	2.00	0.06	0	0	0	100	0.00	0.0	2.082	0.000	0	0	1	1
PL.34697	PL.12638	B	4ACSR	7.44Y	124.0	0.00	2.00	4.81	2	35	6	99	0.00	0.0	2.085	0.003	0	0	0	12
C PD.4926	PL.34697	B	fuse6AMP	7.44Y	124.0	0.00	2.00	4.81	82	35	6	99	0.00	0.0	2.085	0.000	0	0	0	12 C
PL.34700	PD.4926	B	4ACSR	7.44Y	124.0	0.00	2.00	4.81	2	35	6	99	0.00	0.0	2.087	0.002	0	0	0	12
PL.34701	PL.34700	B	4ACSR	7.44Y	124.0	0.00	2.01	0.72	0	5	1	98	0.00	0.0	2.194	0.107	0	0	0	2
071509	PL.34701	B	Consumer	7.44Y	124.0	0.00	2.01	0.60	0	4	1	97	0.00	0.0	2.194	0.000	4	1	1	1
071512	PL.34701	B	Consumer	7.44Y	124.0	0.00	2.01	0.12	0	1	0	100	0.00	0.0	2.194	0.000	1	0	1	1
PL.34699	PL.34700	B	4ACSR	7.44Y	124.0	0.00	2.00	4.09	2	30	5	99	0.00	0.0	2.091	0.004	0	0	0	10
PL.34696	PL.34699	B	4ACSR	7.44Y	124.0	0.01	2.01	4.09	2	30	5	99	0.00	0.0	2.129	0.038	0	0	0	10
PL.7583	PL.34696	B	4ACSR	7.44Y	124.0	0.01	2.02	3.55	2	26	4	99	0.00	0.0	2.179	0.050	0	0	0	9
PL.4782	PL.7583	B	4ACSR	7.44Y	124.0	0.00	2.02	1.85	1	14	2	99	0.00	0.0	2.241	0.062	0	0	0	5
PL.7584	PL.4782	B	4ACSR	7.44Y	124.0	0.00	2.02	1.85	1	14	2	99	0.00	0.0	2.247	0.006	0	0	0	5
PL.7585	PL.7584	B	4ACSR	7.44Y	124.0	0.00	2.02	1.47	1	11	2	98	0.00	0.0	2.258	0.011	0	0	0	4
PL.3449	PL.7585	B	4ACSR	7.44Y	124.0	0.00	2.03	1.47	1	11	2	98	0.00	0.0	2.293	0.035	0	0	0	4
512101	PL.3449	B	Consumer	7.44Y	124.0	0.00	2.03	0.27	0	2	0	100	0.00	0.0	2.293	0.000	2	0	1	1
511102	PL.3449	B	Consumer	7.44Y	124.0	0.00	2.03	0.54	0	4	1	97	0.00	0.0	2.293	0.000	4	1	1	1
PL.3452	PL.3449	B	4ACSR	7.44Y	124.0	0.00	2.03	0.66	0	5	1	98	0.00	0.0	2.332	0.039	0	0	0	2
PL.3453	PL.3452	B	4ACSR	7.44Y	124.0	0.00	2.03	0.66	0	5	1	98	0.00	0.0	2.373	0.041	0	0	0	2
5121003	PL.3453	B	Consumer	7.44Y	124.0	0.00	2.03	0.00	0	0	0	100	0.00	0.0	2.373	0.000	0	0	1	1
512102	PL.3453	B	Consumer	7.44Y	124.0	0.00	2.03	0.66	0	5	1	98	0.00	0.0	2.373	0.000	5	1	1	1
071508	PL.7584	B	Consumer	7.44Y	124.0	0.00	2.02	0.38	0	3	0	100	0.00	0.0	2.247	0.000	3	0	1	1
071524	PL.7583	B	Consumer	7.44Y	124.0	0.00	2.02	0.85	0	6	1	99	0.00	0.0	2.179	0.000	6	1	1	1
071503	PL.7583	B	Consumer	7.44Y	124.0	0.00	2.02	0.20	0	1	0	100	0.00	0.0	2.179	0.000	1	0	1	1
PL.4783	PL.7583	B	4ACSR	7.44Y	124.0	0.00	2.02	0.65	0	5	1	98	0.00	0.0	2.216	0.037	0	0	0	2

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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
071513	PL.4783	B	Consumer	7.44Y	124.0	0.00	2.02	0.34	0	3	0	100	0.00	0.0	2.216	0.000	3	0	1	1
071515	PL.4783	B	Consumer	7.44Y	124.0	0.00	2.02	0.30	0	2	0	100	0.00	0.0	2.216	0.000	2	0	1	1
071520	PL.34696	B	Consumer	7.44Y	124.0	0.00	2.01	0.54	0	4	1	97	0.00	0.0	2.129	0.000	4	1	1	1
PL.34693	PL.39739	B	4ACSR	7.44Y	124.0	0.00	2.00	0.19	0	1	0	100	0.00	0.0	2.077	0.002	0	0	0	1
PD.4925	PL.34693	B	fuse6AMP	7.44Y	124.0	0.00	2.00	0.19	3	1	0	100	0.00	0.0	2.077	0.000	0	0	0	1
PL.34694	PD.4925	B	4ACSR	7.44Y	124.0	0.00	2.00	0.19	0	1	0	100	0.00	0.0	2.092	0.015	0	0	0	1
071516	PL.34694	B	Consumer	7.44Y	124.0	0.00	2.00	0.19	0	1	0	100	0.00	0.0	2.092	0.000	1	0	1	1
071523	PL.34694	B	Consumer	7.44Y	124.0	0.00	2.00	0.00	0	0	0	100	0.00	0.0	2.092	0.000	0	0	0	0
0714142	PL.12634	B	Consumer	7.44Y	124.0	0.00	1.97	0.71	0	5	1	98	0.00	0.0	2.001	0.000	5	1	1	1
071462	PL.12634	B	Consumer	7.44Y	124.0	0.00	1.97	0.30	0	2	0	100	0.00	0.0	2.001	0.000	2	0	1	1
071480	PL.12634	B	Consumer	7.44Y	124.0	0.00	1.97	0.00	0	0	0	100	0.00	0.0	2.001	0.000	0	0	1	1
PL.27760	PL.12634	B	4ACSR	7.44Y	124.0	0.00	1.97	2.69	1	20	3	99	0.00	0.0	2.012	0.012	0	0	0	6
PL.34686	PL.27760	B	4ACSR	7.44Y	124.0	0.00	1.98	2.69	1	20	3	99	0.00	0.0	2.019	0.007	0	0	0	6
PD.4923	PL.34686	B	fuse6AMP	7.44Y	124.0	0.00	1.98	2.69	46	20	3	99	0.00	0.0	2.019	0.000	0	0	0	6
PL.34687	PD.4923	B	4ACSR	7.44Y	124.0	0.00	1.98	2.69	1	20	3	99	0.00	0.0	2.041	0.021	0	0	0	6
071491	PL.34687	B	Consumer	7.44Y	124.0	0.00	1.98	0.45	0	3	1	95	0.00	0.0	2.041	0.000	3	1	1	1
0714104	PL.34687	B	Consumer	7.44Y	124.0	0.00	1.98	0.62	0	5	1	98	0.00	0.0	2.041	0.000	5	1	1	1
PL.25177	PL.34687	B	4ACSR	7.44Y	124.0	0.00	1.98	1.62	1	12	2	99	0.00	0.0	2.090	0.049	0	0	0	4
PL.7594	PL.25177	B	4ACSR	7.44Y	124.0	0.00	1.98	1.32	1	10	2	98	0.00	0.0	2.107	0.018	0	0	0	3
0714126	PL.7594	B	Consumer	7.44Y	124.0	0.00	1.98	0.40	0	3	0	100	0.00	0.0	2.107	0.000	3	0	1	1
PL.7595	PL.7594	B	4ACSR	7.44Y	124.0	0.00	1.99	0.93	0	7	1	99	0.00	0.0	2.191	0.083	0	0	0	2
0714105	PL.7595	B	Consumer	7.44Y	124.0	0.00	1.99	0.93	0	7	1	99	0.00	0.0	2.191	0.000	4	1	1	2
071477	0714105	B	Consumer	7.44Y	124.0	0.00	1.99	0.42	0	3	0	100	0.00	0.0	2.191	0.000	3	0	1	1
0714115	PL.25177	B	Consumer	7.44Y	124.0	0.00	1.98	0.30	0	2	0	100	0.00	0.0	2.090	0.000	2	0	1	1
071455	PL.12631	B	Consumer	7.45Y	124.1	0.00	1.91	0.52	0	4	1	97	0.00	0.0	1.897	0.000	4	1	1	1
0714119	PL.12631	B	Consumer	7.45Y	124.1	0.00	1.91	1.04	0	8	1	99	0.00	0.0	1.897	0.000	8	1	1	1
0714145	PL.12631	B	Consumer	7.45Y	124.1	0.00	1.91	0.38	0	3	0	100	0.00	0.0	1.897	0.000	3	0	1	1
PL.34691	PL.34689	B	4ACSR	7.45Y	124.1	0.00	1.86	0.00	0	0	0	100	0.00	0.0	1.844	0.003	0	0	0	0
PD.4924	PL.34691	B	fuse6AMP	7.45Y	124.1	0.00	1.86	0.00	0	0	0	100	0.00	0.0	1.844	0.000	0	0	0	0
PL.34692	PD.4924	B	4ACSR	7.45Y	124.1	0.00	1.86	0.00	0	0	0	100	0.00	0.0	1.913	0.069	0	0	0	0
629811	PL.7746	B	Consumer	7.45Y	124.2	0.00	1.83	0.32	0	2	0	100	0.00	0.0	1.809	0.000	2	0	1	1
629806	PL.15959	B	Consumer	7.45Y	124.2	0.00	1.82	0.05	0	0	0	100	0.00	0.0	1.793	0.000	0	0	1	1
629812	PL.15959	B	Consumer	7.45Y	124.2	0.00	1.82	0.11	0	1	0	100	0.00	0.0	1.793	0.000	1	0	1	1
PL.12606	PL.7745	A	6ACWC	7.37Y	122.9	-0.00	3.14	0.00	0	0	0	100	0.00	0.0	1.800	0.067	0	0	0	0
		B		7.45Y	124.2	0.00	1.77	0.00	0	0	0	100					0	0	0	0
		C		7.46Y	124.3	0.00	1.75	1.49	1	11	2	99					0	0	0	2
629701	PL.12606	C	Consumer	7.46Y	124.3	0.00	1.75	1.48	0	11	2	98	0.00	0.0	1.800	0.000	11	2	1	1
629704	PL.12606	C	Consumer	7.46Y	124.3	0.00	1.75	0.01	0	0	0	100	0.00	0.0	1.800	0.000	0	0	1	1
629702	PL.12606	C	Consumer	7.46Y	124.3	0.00	1.75	0.00	0	0	0	100	0.00	0.0	1.800	0.000	0	0	0	0

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

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.45858	PL.12606	C	2ACSR	7.46Y	124.3	0.00	1.75	0.00	0	0	0	100	0.00	0.0	1.883	0.083	0	0	0	0
6297009	PL.45858	C	Consumer	7.46Y	124.3	0.00	1.75	0.00	0	0	0	100	0.00	0.0	1.883	0.000	0	0	0	0
628803	PL.26231	C	Consumer	7.45Y	124.2	0.00	1.76	0.19	0	1	0	100	0.00	0.0	1.666	0.000	1	0	1	1
629808	PL.26231	C	Consumer	7.45Y	124.2	0.00	1.76	0.17	0	1	0	100	0.00	0.0	1.666	0.000	1	0	1	1
628802	PL.26231	C	Consumer	7.45Y	124.2	0.00	1.76	0.57	0	4	1	97	0.00	0.0	1.666	0.000	4	1	1	1
628801	PL.26231	C	Consumer	7.45Y	124.2	0.00	1.76	0.09	0	1	0	100	0.00	0.0	1.666	0.000	1	0	1	1
627804	PL.19377	A	Consumer	7.37Y	122.9	0.00	3.12	1.46	0	10	5	89	0.00	0.0	1.493	0.000	10	5	1	1
PL.18764	PL.19377	A	4/0ACSR	7.37Y	122.9	0.01	3.12	112.33	24	810	171	98	0.06	0.0	1.498	0.005	0	0	0	174
		B		7.47Y	124.5	0.00	1.53	78.96	17	567	162	96					0	0	0	105
		C		7.45Y	124.2	0.01	1.79	83.68	18	610	132	98					0	0	0	139
PD.3577	PL.18764	A	VWVE	7.37Y	122.9	0.00	3.12	112.33	0	810	171	98	0.00	0.0	1.498	0.000	0	0	0	174
		B		7.47Y	124.5	0.00	1.53	78.96	0	567	162	96					0	0	0	105
		C		7.45Y	124.2	0.00	1.79	83.68	0	609	132	98					0	0	0	139
PL.18765	PD.3577	A	4/0ACSR	7.37Y	122.8	0.05	3.17	112.33	24	810	171	98	0.49	0.0	1.542	0.044	0	0	0	174
		B		7.47Y	124.4	0.03	1.56	78.96	17	567	162	96					0	0	0	105
		C		7.45Y	124.2	0.04	1.83	83.68	18	609	132	98					0	0	0	139
PL.27718	PL.18765	A	4/0ACSR	7.37Y	122.8	0.00	3.18	112.33	24	810	171	98	0.03	0.0	1.544	0.002	0	0	0	174
		B		7.47Y	124.4	0.00	1.56	78.96	17	567	161	96					0	0	0	105
		C		7.45Y	124.2	0.00	1.83	83.68	18	609	132	98					0	0	0	139
PL.27910	PL.27718	C	4ACSR	7.45Y	124.2	0.00	1.83	9.89	5	73	12	99	0.00	0.0	1.548	0.004	0	0	0	22
PD.2358-A	PL.27910	C	Closed	7.45Y	124.2	0.00	1.83	9.89	0	73	12	99	0.00	0.0	1.548	0.000	0	0	0	22
PD.2358-B	PD.2358-A	C	Closed	7.45Y	124.2	0.00	1.83	9.89	0	73	12	99	0.00	0.0	1.548	0.000	0	0	0	22
PL.27911	PD.2358-B	C	4ACSR	7.45Y	124.2	0.01	1.84	9.89	5	73	12	99	0.00	0.0	1.567	0.019	0	0	0	22
PD.3573	PL.27911	C	35V4E	7.45Y	124.2	0.00	1.84	9.89	28	73	12	99	0.00	0.0	1.567	0.000	0	0	0	22
PL.17459	PD.3573	C	4ACSR	7.45Y	124.2	0.00	1.85	9.89	5	73	12	99	0.00	0.0	1.573	0.006	0	0	0	22
PL.12643	PL.17459	C	4ACSR	7.45Y	124.1	0.02	1.86	9.10	5	67	11	99	0.01	0.0	1.612	0.039	0	0	0	20
626801	PL.12643	C	Consumer	7.45Y	124.1	0.00	1.86	0.56	0	4	1	97	0.00	0.0	1.612	0.000	4	1	1	1
626809	PL.12643	C	Consumer	7.45Y	124.1	0.00	1.86	0.12	0	1	0	100	0.00	0.0	1.612	0.000	1	0	1	1
626805	PL.12643	C	Consumer	7.45Y	124.1	0.00	1.86	0.95	0	7	1	99	0.00	0.0	1.612	0.000	7	1	1	1
PL.12644	PL.12643	C	4ACSR	7.45Y	124.1	0.02	1.88	6.26	3	46	7	99	0.01	0.0	1.680	0.068	0	0	0	15
PL.40756	PL.12644	C	4ACSR	7.45Y	124.1	0.00	1.88	4.60	2	34	5	99	0.00	0.0	1.681	0.001	0	0	0	8
PL.40757	PL.40756	C	4ACSR	7.45Y	124.1	0.01	1.89	4.60	2	34	5	99	0.00	0.0	1.755	0.074	0	0	0	8
625603	PL.40757	C	Consumer	7.45Y	124.1	0.00	1.89	0.00	0	0	0	100	0.00	0.0	1.755	0.000	0	0	0	0
PL.38870	PL.40757	C	4ACSR	7.45Y	124.1	0.00	1.89	1.26	1	9	1	99	0.00	0.0	1.761	0.006	0	0	0	3
PD.6750	PL.38870	C	fuse6AMP	7.45Y	124.1	0.00	1.89	1.26	22	9	1	99	0.00	0.0	1.761	0.000	0	0	0	3
PL.38871	PD.6750	C	4ACSR	7.45Y	124.1	0.00	1.89	1.26	1	9	1	99	0.00	0.0	1.764	0.003	0	0	0	3
PL.38869	PL.38871	C	4ACSR	7.45Y	124.1	0.00	1.90	1.26	1	9	1	99	0.00	0.0	1.812	0.048	0	0	0	3
PL.12695	PL.38869	C	4ACSR	7.45Y	124.1	0.00	1.90	0.94	0	7	1	99	0.00	0.0	1.836	0.023	0	0	0	2
624702	PL.12695	C	Consumer	7.45Y	124.1	0.00	1.90	0.31	0	2	0	100	0.00	0.0	1.836	0.000	2	0	1	1
PL.7735	PL.12695	C	4ACSR	7.45Y	124.1	0.00	1.90	0.63	0	5	1	98	0.00	0.0	1.883	0.047	0	0	0	1
623701	PL.7735	C	Consumer	7.45Y	124.1	0.00	1.90	0.63	0	5	1	98	0.00	0.0	1.883	0.000	5	1	1	1
624703	PL.38869	C	Consumer	7.45Y	124.1	0.00	1.90	0.32	0	2	0	100	0.00	0.0	1.812	0.000	2	0	1	1

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

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.24327	PL.40757	C	4ACSR	7.45Y	124.1	0.01	1.90	3.34	2	25	4	99	0.00	0.0	1.809	0.054	0	0	0	5
624802	PL.24327	C	Consumer	7.45Y	124.1	0.00	1.90	1.71	0	13	2	99	0.00	0.0	1.809	0.000	13	2	1	1
624701	PL.24327	C	Consumer	7.45Y	124.1	0.00	1.90	0.59	0	4	1	97	0.00	0.0	1.809	0.000	4	1	1	1
624704	PL.24327	C	Consumer	7.45Y	124.1	0.00	1.90	0.38	0	3	0	100	0.00	0.0	1.809	0.000	3	0	1	1
624801	PL.24327	C	Consumer	7.45Y	124.1	0.00	1.90	0.67	0	5	1	98	0.00	0.0	1.809	0.000	5	1	1	1
624705	PL.24327	C	Consumer	7.45Y	124.1	0.00	1.90	0.00	0	0	0	100	0.00	0.0	1.809	0.000	0	0	1	1
PL.38866	PL.12644	C	4ACSR	7.45Y	124.1	0.00	1.88	0.31	0	2	0	100	0.00	0.0	1.681	0.001	0	0	0	3
PD.6748	PL.38866	C	fuse6AMP	7.45Y	124.1	0.00	1.88	0.31	5	2	0	100	0.00	0.0	1.681	0.000	0	0	0	3
PL.38867	PD.6748	C	4ACSR	7.45Y	124.1	0.00	1.88	0.31	0	2	0	100	0.00	0.0	1.682	0.000	0	0	0	3
PL.38865	PL.38867	C	4ACSR	7.45Y	124.1	0.00	1.88	0.08	0	1	0	100	0.00	0.0	1.720	0.038	0	0	0	2
626704	PL.38865	C	Consumer	7.45Y	124.1	0.00	1.88	0.08	0	1	0	100	0.00	0.0	1.720	0.000	1	0	1	1
626706	PL.38865	C	Consumer	7.45Y	124.1	0.00	1.88	0.00	0	0	0	100	0.00	0.0	1.720	0.000	0	0	1	1
626707	PL.38865	C	Consumer	7.45Y	124.1	0.00	1.88	0.00	0	0	0	100	0.00	0.0	1.720	0.000	0	0	0	0
PL.38863	PL.38867	C	4ACSR	7.45Y	124.1	0.00	1.88	0.23	0	2	0	100	0.00	0.0	1.725	0.043	0	0	0	1
626804	PL.38863	C	Consumer	7.45Y	124.1	0.00	1.88	0.23	0	2	0	100	0.00	0.0	1.725	0.000	2	0	1	1
625808	PL.12644	C	Consumer	7.45Y	124.1	0.00	1.88	0.41	0	3	0	100	0.00	0.0	1.680	0.000	3	0	1	1
625804	PL.12644	C	Consumer	7.45Y	124.1	0.00	1.88	0.00	0	0	0	100	0.00	0.0	1.680	0.000	0	0	0	0
625805	PL.12644	C	Consumer	7.45Y	124.1	0.00	1.88	0.46	0	3	1	95	0.00	0.0	1.680	0.000	3	1	1	1
625803	PL.12644	C	Consumer	7.45Y	124.1	0.00	1.88	0.44	0	3	1	95	0.00	0.0	1.680	0.000	3	1	1	1
625809	PL.12644	C	Consumer	7.45Y	124.1	0.00	1.88	0.04	0	0	0	100	0.00	0.0	1.680	0.000	0	0	1	1
PL.38862	PL.12643	C	4ACSR	7.45Y	124.1	0.00	1.86	1.22	1	9	1	99	0.00	0.0	1.622	0.010	0	0	0	2
PD.6747	PL.38862	C	fuse6AMP	7.45Y	124.1	0.00	1.86	1.22	21	9	1	99	0.00	0.0	1.622	0.000	0	0	0	2
PL.38861	PD.6747	C	4ACSR	7.45Y	124.1	0.00	1.86	1.22	1	9	1	99	0.00	0.0	1.684	0.062	0	0	0	2
625807	PL.38861	C	Consumer	7.45Y	124.1	0.00	1.86	0.00	0	0	0	100	0.00	0.0	1.684	0.000	0	0	1	1
625806	PL.38861	C	Consumer	7.45Y	124.1	0.00	1.86	1.22	0	9	1	99	0.00	0.0	1.684	0.000	9	1	1	1
626808	PL.17459	C	Consumer	7.45Y	124.2	0.00	1.85	0.33	0	2	0	100	0.00	0.0	1.573	0.000	2	0	1	1
626807	PL.17459	C	Consumer	7.45Y	124.2	0.00	1.85	0.46	0	3	1	95	0.00	0.0	1.573	0.000	3	1	1	1
626904	PL.27718	B	Consumer	7.47Y	124.4	0.00	1.56	0.58	0	4	2	89	0.00	0.0	1.544	0.000	4	2	1	1
PL.12642	PL.27718	A	4/0ACSR	7.36Y	122.7	0.08	3.26	112.33	24	810	171	98	0.70	0.0	1.611	0.066	0	0	0	174
		B		7.46Y	124.4	0.04	1.59	78.39	17	563	159	96					0	0	0	104
		C		7.45Y	124.1	0.05	1.89	73.81	16	537	120	98					0	0	0	117
PL.7279	PL.12642	A	4/0ACSR	7.36Y	122.7	0.05	3.31	110.29	23	795	165	98	0.41	0.0	1.652	0.042	0	0	0	173
		B		7.46Y	124.4	0.02	1.61	73.07	16	526	146	96					0	0	0	95
		C		7.44Y	124.1	0.03	1.92	70.81	15	515	113	98					0	0	0	111
PL.12698	PL.7279	A	4/0ACSR	7.36Y	122.6	0.04	3.35	110.29	23	795	164	98	0.34	0.0	1.687	0.034	0	0	0	173
		B		7.46Y	124.4	0.02	1.63	72.40	15	521	145	96					0	0	0	94
		C		7.44Y	124.0	0.03	1.95	70.81	15	515	113	98					0	0	0	111
PL.16210	PL.12698	A	4/0ACSR	7.36Y	122.6	0.01	3.36	107.54	23	777	152	98	0.05	0.0	1.692	0.005	0	0	0	172
		B		7.46Y	124.4	0.00	1.63	52.47	11	384	76	98					0	0	0	88
		C		7.44Y	124.0	0.00	1.95	64.40	14	470	94	98					0	0	0	102
C PD.2926	PL.16210	A	fuse6AMP	7.36Y	122.6	0.00	3.36	107.54	1837	777	152	98	0.00	0.0	1.692	0.000	0	0	0	172 C
C		B		7.46Y	124.4	0.00	1.63	52.47	896	384	76	98					0	0	0	88 C
C		C		7.44Y	124.0	0.00	1.95	64.40	1100	470	94	98					0	0	0	102 C

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

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PL.20752	PD.2926	A	4/0ACSR	7.36Y	122.6	0.05	3.41	107.54	23	777	152	98	0.39	0.0	1.739	0.047	0	0	0	172	
		B		7.46Y	124.4	0.00	1.63	52.47	11	384	76	98					0	0	0	88	
		C		7.44Y	124.0	0.04	2.00	64.40	14	470	94	98					0	0	0	102	
628016	PL.20752	A	Consumer	7.36Y	122.6	0.00	3.41	0.10	0	1	0	100	0.00	0.0	1.739	0.000	1	0	0	0	
		B		7.46Y	124.4	0.00	1.63	0.10	0	1	0	90					1	0	0	0	
		C		7.44Y	124.0	0.00	2.00	0.10	0	1	0	90					1	0	0	0	
628022	PL.20752	B	Consumer	7.46Y	124.4	0.00	1.63	2.01	0	14	7	89	0.00	0.0	1.739	0.000	14	7	1	1	
628020	PL.20752	A	Consumer	7.36Y	122.6	0.00	3.41	0.39	0	3	1	95	0.00	0.0	1.739	0.000	3	1	0	0	
		B		7.46Y	124.4	0.00	1.63	0.39	0	3	1	90					3	1	0	0	
		C		7.44Y	124.0	0.00	2.00	0.39	0	3	1	90					3	1	0	0	
628014	PL.20752	A	Consumer	7.36Y	122.6	0.00	3.41	3.36	0	21	13	85	0.00	0.0	1.739	0.000	21	13	0	0	
		B		7.46Y	124.4	0.00	1.63	3.31	0	21	13	85					21	13	0	0	
		C		7.44Y	124.0	0.00	2.00	3.32	0	21	13	85					21	13	0	0	
PL.20753	PL.20752	A	4/0ACSR	7.35Y	122.6	0.03	3.44	103.93	22	752	137	98	0.17	0.0	1.761	0.023	0	0	0	171	
		B		7.46Y	124.4	0.00	1.63	46.99	10	346	55	99					0	0	0	86	
		C		7.44Y	124.0	0.02	2.01	60.84	13	446	80	98					0	0	0	101	
PL.12707	PL.20753	A	4/0ACSR	7.35Y	122.5	0.02	3.45	102.29	22	741	131	98	0.11	0.0	1.777	0.016	0	0	0	171	
		B		7.46Y	124.4	-0.00	1.63	45.38	10	335	49	99					0	0	0	85	
		C		7.44Y	124.0	0.01	2.03	59.21	13	434	74	99					0	0	0	101	
PL.12708	PL.12707	A	4/0ACSR	7.35Y	122.5	0.03	3.48	102.29	22	741	131	98	0.19	0.0	1.802	0.026	0	0	0	171	
		B		7.46Y	124.4	-0.00	1.63	45.38	10	335	49	99					0	0	0	85	
		C		7.44Y	124.0	0.02	2.05	59.21	13	434	74	99					0	0	0	101	
PL.12709	PL.12708	A	4/0ACSR	7.35Y	122.5	0.03	3.51	100.90	21	731	126	99	0.19	0.0	1.829	0.026	0	0	0	171	
		B		7.46Y	124.4	-0.00	1.63	43.98	9	325	45	99					0	0	0	84	
		C		7.44Y	123.9	0.02	2.07	57.85	12	425	70	99					0	0	0	100	
507105	PL.12709	A	Consumer	7.35Y	122.5	0.00	3.51	1.72	0	11	6	88	0.00	0.0	1.829	0.000	11	6	1	1	
PL.15098	PL.12709	A	4ACSR	7.35Y	122.5	0.00	3.51	3.52	2	26	4	99	0.00	0.0	1.834	0.006	0	0	0	6	
PD.2815	PL.15098	A	fuse6AMP	7.35Y	122.5	0.00	3.51	3.52	60	26	4	99	0.00	0.0	1.834	0.000	0	0	0	6	
PL.15099	PD.2815	A	4ACSR	7.35Y	122.5	0.01	3.52	3.52	2	26	4	99	0.00	0.0	1.907	0.072	0	0	0	6	
508101	PL.15099	A	Consumer	7.35Y	122.5	0.00	3.52	0.11	0	1	0	100	0.00	0.0	1.907	0.000	1	0	1	1	
507103	PL.15099	A	Consumer	7.35Y	122.5	0.00	3.52	0.76	0	6	1	99	0.00	0.0	1.907	0.000	6	1	1	1	
508103	PL.15099	A	Consumer	7.35Y	122.5	0.00	3.52	0.62	0	4	1	97	0.00	0.0	1.907	0.000	4	1	1	1	
508102	PL.15099	A	Consumer	7.35Y	122.5	0.00	3.52	0.00	0	0	0	100	0.00	0.0	1.907	0.000	0	0	1	1	
PL.3205	PL.15099	A	4ACSR	7.35Y	122.5	0.01	3.53	2.02	1	15	2	99	0.00	0.0	2.000	0.094	0	0	0	2	
508104	PL.3205	A	Consumer	7.35Y	122.5	0.00	3.53	1.28	0	9	1	99	0.00	0.0	2.000	0.000	9	1	1	1	
509101	PL.3205	A	Consumer	7.35Y	122.5	0.00	3.53	0.75	0	5	1	98	0.00	0.0	2.000	0.000	5	1	1	1	
PL.7363	PL.12709	A	4/0ACSR	7.35Y	122.4	0.04	3.56	95.74	20	694	116	99	0.29	0.0	1.873	0.044	0	0	0	164	
		B		7.46Y	124.4	0.00	1.63	43.98	9	325	45	99					0	0	0	84	
		C		7.43Y	123.9	0.03	2.10	57.85	12	424	70	99					0	0	0	100	
507102	PL.7363	B	Consumer	7.46Y	124.4	0.00	1.63	0.12	0	1	0	100	0.00	0.0	1.873	0.000	1	0	1	1	
PL.19384	PL.7363	A	4/0ACSR	7.34Y	122.4	0.07	3.62	95.74	20	694	116	99	0.44	0.0	1.939	0.066	0	0	0	164	
		B		7.46Y	124.4	0.00	1.63	43.86	9	324	44	99					0	0	0	83	
		C		7.43Y	123.8	0.05	2.15	57.85	12	424	69	99					0	0	0	100	
P CP.13	PL.19384	A	Cap (150)	7.34Y	122.4	0.00	3.62	-7.08	0	0	-52	0	0.00	0.0	1.939	0.000	0	0	0	0	P
		B		7.46Y	124.4	0.00	1.63	-7.20	0	0	-54	0					0	0	0	0	
		C		7.43Y	123.8	0.00	2.15	-7.17	0	0	-53	0					0	0	0	0	
PL.20197	PL.19384	A	4/0ACSR	7.34Y	122.4	0.00	3.63	97.15	21	693	167	97	0.03	0.0	1.943	0.004	0	0	0	164	
		B		7.46Y	124.4	0.00	1.63	45.40	10	324	98	96					0	0	0	83	
		C		7.43Y	123.8	0.00	2.16	59.42	13	424	123	96					0	0	0	100	

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

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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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.7367	PL.20197	A	4/0ACSR	7.34Y	122.3	0.07	3.69	97.15	21	693	167	97	0.42	0.0	2.005	0.062	0	0	0	164
		B		7.46Y	124.4	0.01	1.64	44.11	9	315	96	96					0	0	0	79
		C		7.43Y	123.8	0.05	2.21	59.42	13	424	123	96					0	0	0	100
PL.15806	PL.7367	A	4ACSR	7.34Y	122.3	0.01	3.70	27.01	14	194	40	98	0.01	0.0	2.010	0.006	0	0	0	63
PD.177-A	PL.15806	A	Closed	7.34Y	122.3	0.00	3.70	27.01	0	194	40	98	0.00	0.0	2.010	0.000	0	0	0	63
PD.177-B	PD.177-A	A	Closed	7.34Y	122.3	0.00	3.70	27.01	0	194	40	98	0.00	0.0	2.010	0.000	0	0	0	63
PL.15807	PD.177-B	A	4ACSR	7.34Y	122.3	0.01	3.71	27.01	14	194	40	98	0.01	0.0	2.016	0.006	0	0	0	63
PD.3712	PL.15807	A	35V4E	7.34Y	122.3	0.00	3.71	27.01	77	194	40	98	0.00	0.0	2.016	0.000	0	0	0	63
PL.15808	PD.3712	A	4ACSR	7.34Y	122.3	0.03	3.73	27.01	14	194	40	98	0.04	0.0	2.039	0.023	0	0	0	63
507210	PL.15808	A	Consumer	7.34Y	122.3	0.00	3.73	0.63	0	4	2	89	0.00	0.0	2.039	0.000	4	2	1	1
507206	PL.15808	A	Consumer	7.34Y	122.3	0.00	3.73	0.55	0	4	1	97	0.00	0.0	2.039	0.000	4	1	1	1
PL.38238	PL.15808	A	4ACSR	7.34Y	122.3	0.00	3.73	9.48	5	69	12	99	0.00	0.0	2.042	0.003	0	0	0	24
C PD.6666	PL.38238	A	fuse6AMP	7.34Y	122.3	0.00	3.73	9.48	162	69	12	99	0.00	0.0	2.042	0.000	0	0	0	24 C
PL.38246	PD.6666	A	4ACSR	7.34Y	122.3	0.00	3.74	9.48	5	69	12	99	0.00	0.0	2.047	0.005	0	0	0	24
PL.38247	PL.38246	A	4ACSR	7.33Y	122.2	0.02	3.75	5.04	3	36	6	99	0.00	0.0	2.129	0.082	0	0	0	13
PL.7361	PL.38247	A	4ACSR	7.33Y	122.2	0.00	3.76	3.37	2	24	4	99	0.00	0.0	2.149	0.020	0	0	0	9
508208	PL.7361	A	Consumer	7.33Y	122.2	0.00	3.76	0.21	0	2	0	100	0.00	0.0	2.149	0.000	2	0	1	1
508210	PL.7361	A	Consumer	7.33Y	122.2	0.00	3.76	0.65	0	5	1	98	0.00	0.0	2.149	0.000	5	1	1	1
508215	PL.7361	A	Consumer	7.33Y	122.2	0.00	3.76	0.94	0	7	1	99	0.00	0.0	2.149	0.000	7	1	1	1
508205	PL.7361	A	Consumer	7.33Y	122.2	0.00	3.76	0.29	0	2	0	100	0.00	0.0	2.149	0.000	2	0	1	1
PL.7362	PL.7361	A	4ACSR	7.33Y	122.2	0.00	3.76	1.27	1	9	1	99	0.00	0.0	2.219	0.070	0	0	0	5
508206	PL.7362	A	Consumer	7.33Y	122.2	0.00	3.76	0.13	0	1	0	100	0.00	0.0	2.219	0.000	1	0	1	1
508209	PL.7362	A	Consumer	7.33Y	122.2	0.00	3.76	0.35	0	3	0	100	0.00	0.0	2.219	0.000	3	0	1	1
508211	PL.7362	A	Consumer	7.33Y	122.2	0.00	3.76	0.16	0	1	0	100	0.00	0.0	2.219	0.000	1	0	1	1
509204	PL.7362	A	Consumer	7.33Y	122.2	0.00	3.76	0.43	0	3	0	100	0.00	0.0	2.219	0.000	3	0	1	1
509203	PL.7362	A	Consumer	7.33Y	122.2	0.00	3.76	0.21	0	2	0	100	0.00	0.0	2.219	0.000	2	0	1	1
507214	PL.38247	A	Consumer	7.33Y	122.2	0.00	3.75	0.32	0	2	0	100	0.00	0.0	2.129	0.000	2	0	1	1
507212	PL.38247	A	Consumer	7.33Y	122.2	0.00	3.75	0.43	0	3	1	95	0.00	0.0	2.129	0.000	3	1	1	1
507222	PL.38247	A	Consumer	7.33Y	122.2	0.00	3.75	0.36	0	3	0	100	0.00	0.0	2.129	0.000	3	0	1	1
507213	PL.38247	A	Consumer	7.33Y	122.2	0.00	3.75	0.56	0	4	1	97	0.00	0.0	2.129	0.000	4	1	1	1
PL.38245	PL.38246	A	4ACSR	7.34Y	122.3	0.01	3.74	4.44	2	32	6	98	0.00	0.0	2.080	0.034	0	0	0	11
PL.7365	PL.38245	A	4ACSR	7.34Y	122.3	0.00	3.75	3.80	2	28	4	99	0.00	0.0	2.107	0.026	0	0	0	7
508207	PL.7365	A	Consumer	7.34Y	122.3	0.00	3.75	0.66	0	5	1	98	0.00	0.0	2.107	0.000	5	1	1	1
508217	PL.7365	A	Consumer	7.34Y	122.3	0.00	3.75	0.19	0	1	0	100	0.00	0.0	2.107	0.000	1	0	1	1
508204	PL.7365	A	Consumer	7.34Y	122.3	0.00	3.75	0.22	0	2	0	100	0.00	0.0	2.107	0.000	2	0	1	1
508201	PL.7365	A	Consumer	7.34Y	122.3	0.00	3.75	1.17	0	8	1	99	0.00	0.0	2.107	0.000	8	1	1	1
PL.7366	PL.7365	A	4ACSR	7.33Y	122.2	0.00	3.75	1.56	1	11	2	98	0.00	0.0	2.146	0.039	0	0	0	3
509202	PL.7366	A	Consumer	7.33Y	122.2	0.00	3.75	0.53	0	4	1	97	0.00	0.0	2.146	0.000	4	1	1	1
509205	PL.7366	A	Consumer	7.33Y	122.2	0.00	3.75	0.80	0	6	1	99	0.00	0.0	2.146	0.000	6	1	1	1

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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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
509206	PL.7366	A	Consumer	7.33Y	122.2	0.00	3.75	0.00	0	0	0	100	0.00	0.0	2.146	0.000	0	0	0	0
509201	PL.7366	A	Consumer	7.33Y	122.2	0.00	3.75	0.23	0	2	0	100	0.00	0.0	2.146	0.000	2	0	1	1
508203	PL.38245	A	Consumer	7.34Y	122.3	0.00	3.74	0.10	0	1	0	100	0.00	0.0	2.080	0.000	1	0	1	1
508202	PL.38245	A	Consumer	7.34Y	122.3	0.00	3.74	0.15	0	1	0	100	0.00	0.0	2.080	0.000	1	0	1	1
5082018	PL.38245	A	Consumer	7.34Y	122.3	0.00	3.74	0.02	0	0	0	100	0.00	0.0	2.080	0.000	0	0	1	1
508216	PL.38245	A	Consumer	7.34Y	122.3	0.00	3.74	0.38	0	3	1	95	0.00	0.0	2.080	0.000	3	1	1	1
PL.38240	PL.15808	A	4ACSR	7.34Y	122.3	0.01	3.74	16.17	8	116	25	98	0.01	0.0	2.048	0.009	0	0	0	36
PL.38243	PL.38240	A	4ACSR	7.34Y	122.3	0.00	3.74	16.17	8	116	25	98	0.00	0.0	2.051	0.003	0	0	0	36
PL.38244	PL.38243	A	4ACSR	7.33Y	122.2	0.04	3.78	16.17	8	116	25	98	0.04	0.0	2.109	0.058	0	0	0	36
508305	PL.38244	A	Consumer	7.33Y	122.2	0.00	3.78	0.28	0	2	0	100	0.00	0.0	2.109	0.000	2	0	1	1
508306	PL.38244	A	Consumer	7.33Y	122.2	0.00	3.78	0.28	0	2	0	100	0.00	0.0	2.109	0.000	2	0	1	1
PL.12711	PL.38244	A	4ACSR	7.33Y	122.2	0.01	3.79	15.60	8	112	24	98	0.01	0.0	2.126	0.016	0	0	0	34
PL.12712	PL.12711	A	4ACSR	7.33Y	122.2	0.01	3.81	12.81	7	93	15	99	0.01	0.0	2.146	0.020	0	0	0	33
PL.12713	PL.12712	A	4ACSR	7.33Y	122.2	0.01	3.82	12.58	6	91	15	99	0.01	0.0	2.172	0.025	0	0	0	32
509302	PL.12713	A	Consumer	7.33Y	122.2	0.00	3.82	0.42	0	3	0	100	0.00	0.0	2.172	0.000	3	0	1	1
509313	PL.12713	A	Consumer	7.33Y	122.2	0.00	3.82	0.36	0	3	0	100	0.00	0.0	2.172	0.000	3	0	1	1
509306	PL.12713	A	Consumer	7.33Y	122.2	0.00	3.82	0.36	0	3	0	100	0.00	0.0	2.172	0.000	3	0	1	1
509310	PL.12713	A	Consumer	7.33Y	122.2	0.00	3.82	0.34	0	2	0	100	0.00	0.0	2.172	0.000	2	0	1	1
509312	PL.12713	A	Consumer	7.33Y	122.2	0.00	3.82	0.50	0	4	1	97	0.00	0.0	2.172	0.000	4	1	1	1
509301	PL.12713	A	Consumer	7.33Y	122.2	0.00	3.82	0.71	0	5	1	98	0.00	0.0	2.172	0.000	5	1	1	1
509309	PL.12713	A	Consumer	7.33Y	122.2	0.00	3.82	0.32	0	2	0	100	0.00	0.0	2.172	0.000	2	0	1	1
509303	PL.12713	A	Consumer	7.33Y	122.2	0.00	3.82	0.35	0	3	0	100	0.00	0.0	2.172	0.000	3	0	1	1
509304	PL.12713	A	Consumer	7.33Y	122.2	0.00	3.82	0.50	0	4	1	97	0.00	0.0	2.172	0.000	4	1	1	1
509305	PL.12713	A	Consumer	7.33Y	122.2	0.00	3.82	0.44	0	3	1	95	0.00	0.0	2.172	0.000	3	1	1	1
509307	PL.12713	A	Consumer	7.33Y	122.2	0.00	3.82	0.51	0	4	1	97	0.00	0.0	2.172	0.000	4	1	1	1
509308	PL.12713	A	Consumer	7.33Y	122.2	0.00	3.82	0.33	0	2	0	100	0.00	0.0	2.172	0.000	2	0	1	1
509314	PL.12713	A	Consumer	7.33Y	122.2	0.00	3.82	0.38	0	3	0	100	0.00	0.0	2.172	0.000	3	0	1	1
509311	PL.12713	A	Consumer	7.33Y	122.2	0.00	3.82	0.29	0	2	0	100	0.00	0.0	2.172	0.000	2	0	1	1
PL.7368	PL.12713	A	4ACSR	7.33Y	122.2	0.01	3.83	6.78	3	49	8	99	0.00	0.0	2.199	0.028	0	0	0	18
509331	PL.7368	A	Consumer	7.33Y	122.2	0.00	3.83	0.43	0	3	0	100	0.00	0.0	2.199	0.000	3	0	1	1
509322	PL.7368	A	Consumer	7.33Y	122.2	0.00	3.83	0.31	0	2	0	100	0.00	0.0	2.199	0.000	2	0	1	1
509320	PL.7368	A	Consumer	7.33Y	122.2	0.00	3.83	0.48	0	4	1	97	0.00	0.0	2.199	0.000	4	1	1	1
509318	PL.7368	A	Consumer	7.33Y	122.2	0.00	3.83	0.64	0	5	1	98	0.00	0.0	2.199	0.000	5	1	1	1
509321	PL.7368	A	Consumer	7.33Y	122.2	0.00	3.83	0.00	0	0	0	100	0.00	0.0	2.199	0.000	0	0	1	1
509330	PL.7368	A	Consumer	7.33Y	122.2	0.00	3.83	0.35	0	3	0	100	0.00	0.0	2.199	0.000	3	0	1	1
509316	PL.7368	A	Consumer	7.33Y	122.2	0.00	3.83	0.40	0	3	0	100	0.00	0.0	2.199	0.000	3	0	1	1
509315	PL.7368	A	Consumer	7.33Y	122.2	0.00	3.83	0.49	0	4	1	97	0.00	0.0	2.199	0.000	4	1	1	1
509332	PL.7368	A	Consumer	7.33Y	122.2	0.00	3.83	0.38	0	3	0	100	0.00	0.0	2.199	0.000	3	0	1	1

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
509325	PL.7368	A	Consumer	7.33Y	122.2	0.00	3.83	0.34	0	2	0	100	0.00	0.0	2.199	0.000	2	0	1	1
509324	PL.7368	A	Consumer	7.33Y	122.2	0.00	3.83	0.36	0	3	0	100	0.00	0.0	2.199	0.000	3	0	1	1
509323	PL.7368	A	Consumer	7.33Y	122.2	0.00	3.83	0.24	0	2	0	100	0.00	0.0	2.199	0.000	2	0	1	1
509319	PL.7368	A	Consumer	7.33Y	122.2	0.00	3.83	0.35	0	3	0	100	0.00	0.0	2.199	0.000	3	0	1	1
509317	PL.7368	A	Consumer	7.33Y	122.2	0.00	3.83	0.49	0	4	1	97	0.00	0.0	2.199	0.000	4	1	1	1
509328	PL.7368	A	Consumer	7.33Y	122.2	0.00	3.83	0.45	0	3	1	95	0.00	0.0	2.199	0.000	3	1	1	1
509327	PL.7368	A	Consumer	7.33Y	122.2	0.00	3.83	0.39	0	3	0	100	0.00	0.0	2.199	0.000	3	0	1	1
509329	PL.7368	A	Consumer	7.33Y	122.2	0.00	3.83	0.29	0	2	0	100	0.00	0.0	2.199	0.000	2	0	1	1
509326	PL.7368	A	Consumer	7.33Y	122.2	0.00	3.83	0.37	0	3	0	100	0.00	0.0	2.199	0.000	3	0	1	1
PL.38255	PL.12712	A	4ACSR	7.33Y	122.2	0.00	3.81	0.22	0	2	0	100	0.00	0.0	2.149	0.003	0	0	0	1
PD.6670	PL.38255	A	fuse6AMP	7.33Y	122.2	0.00	3.81	0.22	4	2	0	100	0.00	0.0	2.149	0.000	0	0	0	1
PL.38256	PD.6670	A	4ACSR	7.33Y	122.2	0.00	3.81	0.22	0	2	0	100	0.00	0.0	2.259	0.110	0	0	0	1
509207	PL.38256	A	Consumer	7.33Y	122.2	0.00	3.81	0.22	0	2	0	100	0.00	0.0	2.259	0.000	2	0	1	1
PL.38253	PL.12711	A	4ACSR	7.33Y	122.2	0.00	3.80	2.89	1	19	9	90	0.00	0.0	2.129	0.003	0	0	0	1
PD.6669	PL.38253	A	fuse6AMP	7.33Y	122.2	0.00	3.80	2.89	49	19	9	90	0.00	0.0	2.129	0.000	0	0	0	1
PL.38254	PD.6669	A	4ACSR	7.33Y	122.2	0.00	3.80	2.89	1	19	9	90	0.00	0.0	2.160	0.032	0	0	0	1
509333	PL.38254	A	Consumer	7.33Y	122.2	0.00	3.80	2.89	0	19	9	90	0.00	0.0	2.160	0.000	19	9	1	1
PL.38249	PL.15808	A	4ACSR	7.34Y	122.3	0.00	3.73	0.22	0	2	0	100	0.00	0.0	2.044	0.005	0	0	0	1
PD.6667	PL.38249	A	fuse6AMP	7.34Y	122.3	0.00	3.73	0.22	4	2	0	100	0.00	0.0	2.044	0.000	0	0	0	1
PL.38250	PD.6667	A	4ACSR	7.34Y	122.3	0.00	3.73	0.22	0	2	0	100	0.00	0.0	2.085	0.042	0	0	0	1
508302	PL.38250	A	Consumer	7.34Y	122.3	0.00	3.73	0.22	0	2	0	100	0.00	0.0	2.085	0.000	2	0	1	1
508304	PL.38250	A	Consumer	7.34Y	122.3	0.00	3.73	0.00	0	0	0	100	0.00	0.0	2.085	0.000	0	0	0	0
508303	PL.38250	A	Consumer	7.34Y	122.3	0.00	3.73	0.00	0	0	0	100	0.00	0.0	2.085	0.000	0	0	0	0
PL.7364	PL.7367	A	4/0ACSR	7.34Y	122.3	0.01	3.70	43.90	9	318	54	99	0.04	0.0	2.031	0.026	0	0	0	73
		B		7.46Y	124.4	0.00	1.64	25.48	5	187	34	98					0	0	0	62
		C		7.43Y	123.8	0.01	2.22	28.39	6	207	40	98					0	0	0	60
507323	PL.7364	B	Consumer	7.46Y	124.4	0.00	1.64	0.00	0	0	0	100	0.00	0.0	2.031	0.000	0	0	0	0
PL.19254	PL.7364	A	4/0ACSR	7.34Y	122.3	0.01	3.71	43.90	9	318	54	99	0.02	0.0	2.047	0.016	0	0	0	73
		B		7.46Y	124.4	0.00	1.64	25.48	5	187	34	98					0	0	0	62
		C		7.43Y	123.8	0.01	2.23	28.39	6	207	40	98					0	0	0	60
PL.19253	PL.19254	A	4/0ACSR	7.34Y	122.3	0.01	3.72	43.90	9	318	54	99	0.03	0.0	2.067	0.020	0	0	0	73
		B		7.46Y	124.4	0.00	1.65	25.48	5	187	34	98					0	0	0	62
		C		7.43Y	123.8	0.01	2.23	23.82	5	174	34	98					0	0	0	53
507321	PL.19253	B	Consumer	7.46Y	124.4	0.00	1.65	0.09	0	1	0	100	0.00	0.0	2.067	0.000	1	0	1	1
507303	PL.19253	B	Consumer	7.46Y	124.4	0.00	1.65	0.37	0	3	0	100	0.00	0.0	2.067	0.000	3	0	1	1
507314	PL.19253	B	Consumer	7.46Y	124.4	0.00	1.65	0.34	0	3	0	100	0.00	0.0	2.067	0.000	3	0	1	1
507319	PL.19253	B	Consumer	7.46Y	124.4	0.00	1.65	0.29	0	2	0	100	0.00	0.0	2.067	0.000	2	0	1	1
507324	PL.19253	B	Consumer	7.46Y	124.4	0.00	1.65	0.41	0	3	0	100	0.00	0.0	2.067	0.000	3	0	1	1
PL.18373	PL.19253	A	4/0ACSR	7.34Y	122.3	0.01	3.73	43.90	9	318	54	99	0.02	0.0	2.077	0.011	0	0	0	73
		B		7.46Y	124.4	0.00	1.65	23.98	5	176	32	98					0	0	0	57
		C		7.43Y	123.8	0.00	2.24	23.82	5	173	34	98					0	0	0	53

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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.3713	PL.18373	A	VWVE	7.34Y	122.3	0.00	3.73	43.90	0	318	54	99	0.00	0.0	2.077	0.000	0	0	0	73
		B		7.46Y	124.4	0.00	1.65	23.98	0	176	32	98					0	0	0	57
		C		7.43Y	123.8	0.00	2.24	23.82	0	173	34	98					0	0	0	53
PL.18372	PD.3713	A	4/0ACSR	7.34Y	122.3	0.01	3.74	43.90	9	318	54	99	0.03	0.0	2.096	0.018	0	0	0	73
		B		7.46Y	124.4	0.00	1.65	23.98	5	176	32	98					0	0	0	57
		C		7.43Y	123.8	0.01	2.24	23.82	5	173	34	98					0	0	0	53
PL.24822	PL.18372	A	4/0ACSR	7.34Y	122.3	0.01	3.75	28.00	6	203	34	99	0.04	0.0	2.144	0.048	0	0	0	49
		B		7.46Y	124.3	0.01	1.66	23.98	5	176	32	98					0	0	0	57
		C		7.42Y	123.7	0.01	2.25	23.82	5	173	34	98					0	0	0	53
PL.45711	PL.24822	A	4/0ACSR	7.33Y	122.2	0.00	3.75	28.00	6	203	34	99	0.00	0.0	2.147	0.003	0	0	0	49
		B		7.46Y	124.3	0.00	1.66	23.98	5	176	32	98					0	0	0	57
		C		7.42Y	123.7	0.00	2.25	23.69	5	173	34	98					0	0	0	52
PL.45710	PL.45711	A	4/0ACSR	7.33Y	122.2	0.00	3.75	28.00	6	203	34	99	0.00	0.0	2.149	0.002	0	0	0	49
		B		7.46Y	124.3	0.00	1.66	23.98	5	176	32	98					0	0	0	57
		C		7.42Y	123.7	0.00	2.25	23.69	5	173	34	98					0	0	0	52
PL.25004	PL.45710	A	4/0ACSR	7.33Y	122.2	0.00	3.75	28.00	6	203	34	99	0.01	0.0	2.158	0.009	0	0	0	49
		B		7.46Y	124.3	0.00	1.66	23.98	5	176	32	98					0	0	0	57
		C		7.42Y	123.7	0.00	2.26	23.69	5	173	34	98					0	0	0	52
PL.15813	PL.25004	A	4ACSR	7.33Y	122.2	0.00	3.75	4.70	2	34	7	98	0.00	0.0	2.164	0.005	0	0	0	10
		C		7.42Y	123.7	0.00	2.26	14.37	7	104	23	98					0	0	0	36
PD.2810	PL.15813	A	fuse8AMP	7.33Y	122.2	0.00	3.75	4.70	64	34	7	98	0.00	0.0	2.164	0.000	0	0	0	10
C		C		7.42Y	123.7	0.00	2.26	14.37	196	104	23	98					0	0	0	36 C
PL.15814	PD.2810	A	4ACSR	7.33Y	122.2	0.00	3.75	4.70	2	34	7	98	0.01	0.0	2.179	0.015	0	0	0	10
		C		7.42Y	123.7	0.01	2.27	14.37	7	104	23	98					0	0	0	36
PL.15815	PL.15814	A	4ACSR	7.33Y	122.2	0.00	3.76	4.70	2	34	7	98	0.00	0.0	2.184	0.005	0	0	0	10
		C		7.42Y	123.7	0.00	2.27	14.37	7	104	23	98					0	0	0	36
PD.3710	PL.15815	A	35V4E	7.33Y	122.2	0.00	3.76	4.70	13	34	7	98	0.00	0.0	2.184	0.000	0	0	0	10
		C		7.42Y	123.7	0.00	2.27	14.37	41	104	23	98					0	0	0	36
PL.15816	PD.3710	A	4ACSR	7.33Y	122.2	0.00	3.76	4.70	2	34	7	98	0.02	0.0	2.223	0.039	0	0	0	10
		C		7.42Y	123.7	0.03	2.30	14.37	7	104	23	98					0	0	0	36
PL.12906	PL.15816	A	4ACSR	7.33Y	122.2	0.01	3.76	3.52	2	25	6	97	0.00	0.0	2.269	0.045	0	0	0	9
		C		7.42Y	123.7	0.01	2.31	2.66	1	19	5	97					0	0	0	6
505210	PL.12906	C	Consumer	7.42Y	123.7	0.00	2.31	0.56	0	4	1	97	0.00	0.0	2.269	0.000	4	1	1	1
505203	PL.12906	C	Consumer	7.42Y	123.7	0.00	2.31	0.00	0	0	0	100	0.00	0.0	2.269	0.000	0	0	0	0
505202	PL.12906	C	Consumer	7.42Y	123.7	0.00	2.31	0.00	0	0	0	100	0.00	0.0	2.269	0.000	0	0	0	0
PL.12907	PL.12906	A	4ACSR	7.33Y	122.2	0.01	3.77	3.52	2	25	6	97	0.00	0.0	2.313	0.045	0	0	0	9
		C		7.42Y	123.7	0.00	2.31	1.44	1	10	3	95					0	0	0	3
505212	PL.12907	C	Consumer	7.42Y	123.7	0.00	2.31	0.32	0	2	0	100	0.00	0.0	2.313	0.000	2	0	1	1
505218	PL.12907	C	Consumer	7.42Y	123.7	0.00	2.31	0.39	0	3	0	100	0.00	0.0	2.313	0.000	3	0	1	1
505214	PL.12907	A	Consumer	7.33Y	122.2	0.00	3.77	0.76	0	5	2	93	0.00	0.0	2.313	0.000	5	2	1	1
		C		7.42Y	123.7	0.00	2.31	0.75	0	5	2	90					5	2	1	1
PL.38236	PL.12907	A	4ACSR	7.33Y	122.2	0.00	3.77	2.78	1	20	3	99	0.00	0.0	2.328	0.015	0	0	0	8
PD.6665	PL.38236	A	fuse6AMP	7.33Y	122.2	0.00	3.77	2.78	48	20	3	99	0.00	0.0	2.328	0.000	0	0	0	8
PL.38237	PD.6665	A	4ACSR	7.33Y	122.2	0.00	3.77	2.78	1	20	3	99	0.00	0.0	2.343	0.015	0	0	0	8
PL.12909	PL.38237	A	4ACSR	7.33Y	122.2	0.00	3.78	2.25	1	16	3	98	0.00	0.0	2.381	0.038	0	0	0	6
505219	PL.12909	A	Consumer	7.33Y	122.2	0.00	3.78	0.07	0	1	0	100	0.00	0.0	2.381	0.000	1	0	1	1
505102	PL.12909	A	Consumer	7.33Y	122.2	0.00	3.78	0.18	0	1	0	100	0.00	0.0	2.381	0.000	1	0	1	1
505217	PL.12909	A	Consumer	7.33Y	122.2	0.00	3.78	0.72	0	5	1	98	0.00	0.0	2.381	0.000	5	1	1	1
506209	PL.12909	A	Consumer	7.33Y	122.2	0.00	3.78	0.35	0	3	0	100	0.00	0.0	2.381	0.000	3	0	1	1

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.12910	PL.12909	A	4ACSR	7.33Y	122.2	0.00	3.78	0.93	0	7	1	99	0.00	0.0	2.418	0.037	0	0	0	2
506210	PL.12910	A	Consumer	7.33Y	122.2	0.00	3.78	0.48	0	4	1	97	0.00	0.0	2.418	0.000	4	1	1	1
506211	PL.12910	A	Consumer	7.33Y	122.2	0.00	3.78	0.45	0	3	1	95	0.00	0.0	2.418	0.000	3	1	1	1
505215	PL.38237	A	Consumer	7.33Y	122.2	0.00	3.77	0.37	0	3	0	100	0.00	0.0	2.343	0.000	3	0	1	1
505216	PL.38237	A	Consumer	7.33Y	122.2	0.00	3.77	0.16	0	1	0	100	0.00	0.0	2.343	0.000	1	0	1	1
PL.19657	PL.12906	C	4ACSR	7.42Y	123.7	0.00	2.31	0.67	0	5	1	98	0.00	0.0	2.296	0.028	0	0	0	2
PL.19658	PL.19657	C	4ACSR	7.42Y	123.7	0.00	2.31	0.08	0	1	0	100	0.00	0.0	2.324	0.027	0	0	0	1
506201	PL.19658	C	Consumer	7.42Y	123.7	0.00	2.31	0.08	0	1	0	100	0.00	0.0	2.324	0.000	1	0	1	1
505209	PL.19657	C	Consumer	7.42Y	123.7	0.00	2.31	0.00	0	0	0	100	0.00	0.0	2.296	0.000	0	0	0	0
505208	PL.19657	C	Consumer	7.42Y	123.7	0.00	2.31	0.59	0	4	1	97	0.00	0.0	2.296	0.000	4	1	1	1
505312	PL.15816	C	Consumer	7.42Y	123.7	0.00	2.30	0.29	0	2	0	100	0.00	0.0	2.223	0.000	2	0	1	1
505205	PL.15816	C	Consumer	7.42Y	123.7	0.00	2.30	0.55	0	4	1	97	0.00	0.0	2.223	0.000	4	1	1	1
505346	PL.15816	A	Consumer	7.33Y	122.2	0.00	3.76	1.18	0	9	1	99	0.00	0.0	2.223	0.000	9	1	1	1
505341	PL.15816	C	Consumer	7.42Y	123.7	0.00	2.30	0.38	0	3	0	100	0.00	0.0	2.223	0.000	3	0	1	1
506239	PL.15816	A	Consumer	7.33Y	122.2	0.00	3.76	0.00	0	0	0	100	0.00	0.0	2.223	0.000	0	0	0	0
505318	PL.15816	C	Consumer	7.42Y	123.7	0.00	2.30	0.58	0	4	1	97	0.00	0.0	2.223	0.000	4	1	1	1
PL.29495	PL.15816	C	4ACSR	7.42Y	123.7	0.00	2.30	9.91	5	72	16	98	0.00	0.0	2.229	0.006	0	0	0	26
C PD.2812	PL.29495	C	fuse6AMP	7.42Y	123.7	0.00	2.30	9.91	169	72	16	98	0.00	0.0	2.229	0.000	0	0	0	26 C
PL.29496	PD.2812	C	4ACSR	7.42Y	123.7	0.00	2.30	9.91	5	72	16	98	0.00	0.0	2.236	0.006	0	0	0	26
PL.29468	PL.29496	C	4ACSR	7.42Y	123.7	0.01	2.31	9.91	5	72	16	98	0.00	0.0	2.251	0.016	0	0	0	26
PL.29469	PL.29468	C	4ACSR	7.42Y	123.7	0.01	2.32	3.36	2	24	5	98	0.00	0.0	2.295	0.043	0	0	0	9
PL.29333	PL.29469	C	4ACSR	7.42Y	123.7	0.00	2.32	3.36	2	24	5	98	0.00	0.0	2.316	0.021	0	0	0	9
506229	PL.29333	C	Consumer	7.42Y	123.7	0.00	2.32	0.28	0	2	0	100	0.00	0.0	2.316	0.000	2	0	1	1
506227	PL.29333	C	Consumer	7.42Y	123.7	0.00	2.32	0.40	0	3	0	100	0.00	0.0	2.316	0.000	3	0	1	1
506228	PL.29333	C	Consumer	7.42Y	123.7	0.00	2.32	0.49	0	4	1	97	0.00	0.0	2.316	0.000	4	1	1	1
506230	PL.29333	C	Consumer	7.42Y	123.7	0.00	2.32	0.27	0	2	0	100	0.00	0.0	2.316	0.000	2	0	1	1
506234	PL.29333	C	Consumer	7.42Y	123.7	0.00	2.32	0.64	0	4	2	89	0.00	0.0	2.316	0.000	4	2	1	1
506232	PL.29333	C	Consumer	7.42Y	123.7	0.00	2.32	0.30	0	2	0	100	0.00	0.0	2.316	0.000	2	0	1	1
506235	PL.29333	C	Consumer	7.42Y	123.7	0.00	2.32	0.64	0	5	1	98	0.00	0.0	2.316	0.000	5	1	1	1
506233	PL.29333	C	Consumer	7.42Y	123.7	0.00	2.32	0.29	0	2	0	100	0.00	0.0	2.316	0.000	2	0	1	1
506231	PL.29333	C	Consumer	7.42Y	123.7	0.00	2.32	0.08	0	1	0	100	0.00	0.0	2.316	0.000	1	0	1	1
506216	PL.29468	C	Consumer	7.42Y	123.7	0.00	2.31	0.14	0	1	0	100	0.00	0.0	2.251	0.000	1	0	1	1
505336	PL.29468	C	Consumer	7.42Y	123.7	0.00	2.31	0.20	0	1	0	100	0.00	0.0	2.251	0.000	1	0	1	1
506225	PL.29468	C	Consumer	7.42Y	123.7	0.00	2.31	0.42	0	3	0	100	0.00	0.0	2.251	0.000	3	0	1	1
506214	PL.29468	C	Consumer	7.42Y	123.7	0.00	2.31	0.44	0	3	1	95	0.00	0.0	2.251	0.000	3	1	1	1
506217	PL.29468	C	Consumer	7.42Y	123.7	0.00	2.31	0.23	0	2	0	100	0.00	0.0	2.251	0.000	2	0	1	1
505334	PL.29468	C	Consumer	7.42Y	123.7	0.00	2.31	0.40	0	3	0	100	0.00	0.0	2.251	0.000	3	0	1	1
506215	PL.29468	C	Consumer	7.42Y	123.7	0.00	2.31	0.27	0	2	0	100	0.00	0.0	2.251	0.000	2	0	1	1

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
505335	PL.29468	C	Consumer	7.42Y	123.7	0.00	2.31	0.38	0	3	0	100	0.00	0.0	2.251	0.000	3	0	1	1
505337	PL.29468	C	Consumer	7.42Y	123.7	0.00	2.31	0.34	0	3	0	100	0.00	0.0	2.251	0.000	3	0	1	1
506226	PL.29468	C	Consumer	7.42Y	123.7	0.00	2.31	0.45	0	3	1	95	0.00	0.0	2.251	0.000	3	1	1	1
506220	PL.29468	C	Consumer	7.42Y	123.7	0.00	2.31	1.29	0	9	4	91	0.00	0.0	2.251	0.000	9	4	1	1
506222	PL.29468	C	Consumer	7.42Y	123.7	0.00	2.31	0.30	0	2	0	100	0.00	0.0	2.251	0.000	2	0	1	1
506219	PL.29468	C	Consumer	7.42Y	123.7	0.00	2.31	0.32	0	2	0	100	0.00	0.0	2.251	0.000	2	0	1	1
506223	PL.29468	C	Consumer	7.42Y	123.7	0.00	2.31	0.40	0	3	0	100	0.00	0.0	2.251	0.000	3	0	1	1
506224	PL.29468	C	Consumer	7.42Y	123.7	0.00	2.31	0.29	0	2	0	100	0.00	0.0	2.251	0.000	2	0	1	1
506218	PL.29468	C	Consumer	7.42Y	123.7	0.00	2.31	0.48	0	4	1	97	0.00	0.0	2.251	0.000	4	1	1	1
506221	PL.29468	C	Consumer	7.42Y	123.7	0.00	2.31	0.24	0	2	0	100	0.00	0.0	2.251	0.000	2	0	1	1
PL.12912	PL.25004	A	4/0ACSR	7.33Y	122.2	0.01	3.77	23.31	5	169	27	99	0.02	0.0	2.192	0.034	0	0	0	40
		B		7.46Y	124.3	0.00	1.66	23.98	5	176	32	98					0	0	0	57
		C		7.42Y	123.7	-0.00	2.25	1.20	0	9	2	98					0	0	0	5
PL.12911	PL.12912	A	4/0ACSR	7.33Y	122.2	0.02	3.78	23.11	5	167	27	99	0.02	0.0	2.230	0.038	0	0	0	39
		B		7.46Y	124.3	0.01	1.67	23.98	5	176	32	98					0	0	0	57
		C		7.42Y	123.7	-0.00	2.25	0.80	0	6	1	99					0	0	0	3
PL.15817	PL.12911	A	4ACSR	7.33Y	122.2	0.00	3.79	11.63	6	84	14	99	0.00	0.0	2.236	0.005	0	0	0	19
C PD.2811	PL.15817	A	fuse8AMP	7.33Y	122.2	0.00	3.79	11.63	159	84	14	99	0.00	0.0	2.236	0.000	0	0	0	19 C
PL.21412	PD.2811	A	4ACSR	7.33Y	122.2	0.01	3.80	11.63	6	84	14	99	0.01	0.0	2.260	0.025	0	0	0	19
PL.20517	PL.21412	A	4ACSR	7.33Y	122.2	0.03	3.82	10.30	5	75	12	99	0.01	0.0	2.318	0.057	0	0	0	16
505339	PL.20517	A	Consumer	7.33Y	122.2	0.00	3.82	0.00	0	0	0	100	0.00	0.0	2.318	0.000	0	0	0	0
505321	PL.20517	A	Consumer	7.33Y	122.2	0.00	3.82	0.35	0	3	0	100	0.00	0.0	2.318	0.000	3	0	1	1
505348	PL.20517	A	Consumer	7.33Y	122.2	0.00	3.82	0.47	0	3	1	95	0.00	0.0	2.318	0.000	3	1	1	1
505326	PL.20517	A	Consumer	7.33Y	122.2	0.00	3.82	0.98	0	7	1	99	0.00	0.0	2.318	0.000	7	1	1	1
504301	PL.20517	A	Consumer	7.33Y	122.2	0.00	3.82	0.00	0	0	0	100	0.00	0.0	2.318	0.000	0	0	0	0
505347	PL.20517	A	Consumer	7.33Y	122.2	0.00	3.82	1.00	0	7	1	99	0.00	0.0	2.318	0.000	7	1	1	1
PL.20282	PL.20517	A	4ACSR	7.33Y	122.2	0.01	3.83	7.50	4	54	9	99	0.00	0.0	2.344	0.026	0	0	0	12
PL.20283	PL.20282	A	4ACSR	7.33Y	122.2	0.01	3.84	5.27	3	38	6	99	0.00	0.0	2.369	0.026	0	0	0	9
PL.17455	PL.20283	A	4ACSR	7.33Y	122.2	0.00	3.84	0.00	0	0	0	100	0.00	0.0	2.369	0.000	0	0	0	0
504204	PL.20283	A	Consumer	7.33Y	122.2	0.00	3.84	0.97	0	7	1	99	0.00	0.0	2.369	0.000	7	1	1	1
504207	PL.20283	A	Consumer	7.33Y	122.2	0.00	3.84	0.49	0	4	1	97	0.00	0.0	2.369	0.000	4	1	1	1
504336	PL.20283	A	Consumer	7.33Y	122.2	0.00	3.84	0.19	0	1	0	100	0.00	0.0	2.369	0.000	1	0	1	1
PL.17456	PL.20283	A	4ACSR	7.33Y	122.2	0.00	3.84	1.71	1	12	2	99	0.00	0.0	2.398	0.028	0	0	0	2
504210	PL.17456	A	Consumer	7.33Y	122.2	0.00	3.84	0.92	0	7	1	99	0.00	0.0	2.398	0.000	7	1	1	1
5042011	PL.17456	A	Consumer	7.33Y	122.2	0.00	3.84	0.78	0	6	1	99	0.00	0.0	2.398	0.000	6	1	1	1
PL.17454	PL.20283	A	4ACSR	7.33Y	122.2	0.00	3.84	1.92	1	14	2	99	0.00	0.0	2.402	0.033	0	0	0	4
504205	PL.17454	A	Consumer	7.33Y	122.2	0.00	3.84	0.51	0	4	1	97	0.00	0.0	2.402	0.000	4	1	1	1
504209	PL.17454	A	Consumer	7.33Y	122.2	0.00	3.84	0.92	0	7	1	99	0.00	0.0	2.402	0.000	7	1	1	1
504203	PL.17454	A	Consumer	7.33Y	122.2	0.00	3.84	0.34	0	2	0	100	0.00	0.0	2.402	0.000	2	0	1	1
504201	PL.17454	A	Consumer	7.33Y	122.2	0.00	3.84	0.15	0	1	0	100	0.00	0.0	2.402	0.000	1	0	1	1

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
505201	PL.20282	A	Consumer	7.33Y	122.2	0.00	3.83	0.00	0	0	0	100	0.00	0.0	2.344	0.000	0	0	0	0
504332	PL.20282	A	Consumer	7.33Y	122.2	0.00	3.83	0.00	0	0	0	100	0.00	0.0	2.344	0.000	0	0	0	0
505211	PL.20282	A	Consumer	7.33Y	122.2	0.00	3.83	0.44	0	3	1	95	0.00	0.0	2.344	0.000	3	1	1	1
505213	PL.20282	A	Consumer	7.33Y	122.2	0.00	3.83	1.13	0	8	1	99	0.00	0.0	2.344	0.000	8	1	1	1
504326	PL.20282	A	Consumer	7.33Y	122.2	0.00	3.83	0.66	0	5	1	98	0.00	0.0	2.344	0.000	5	1	1	1
505323	PL.21412	A	Consumer	7.33Y	122.2	0.00	3.80	0.29	0	2	0	100	0.00	0.0	2.260	0.000	2	0	1	1
505349	PL.21412	A	Consumer	7.33Y	122.2	0.00	3.80	0.22	0	2	0	100	0.00	0.0	2.260	0.000	2	0	1	1
505306	PL.21412	A	Consumer	7.33Y	122.2	0.00	3.80	0.00	0	0	0	100	0.00	0.0	2.260	0.000	0	0	0	0
505305	PL.21412	A	Consumer	7.33Y	122.2	0.00	3.80	0.00	0	0	0	100	0.00	0.0	2.260	0.000	0	0	0	0
505333	PL.21412	A	Consumer	7.33Y	122.2	0.00	3.80	0.00	0	0	0	100	0.00	0.0	2.260	0.000	0	0	0	0
505340	PL.21412	A	Consumer	7.33Y	122.2	0.00	3.80	0.82	0	6	1	99	0.00	0.0	2.260	0.000	6	1	1	1
505315	PL.12911	B	Consumer	7.46Y	124.3	0.00	1.67	0.21	0	2	0	100	0.00	0.0	2.230	0.000	2	0	1	1
505314	PL.12911	A	Consumer	7.33Y	122.2	0.00	3.78	0.00	0	0	0	100	0.00	0.0	2.230	0.000	0	0	0	0
PL.15818	PL.12911	A	4ACSR	7.33Y	122.2	0.00	3.78	1.64	1	12	2	99	0.00	0.0	2.236	0.005	0	0	0	3
		B		7.46Y	124.3	0.00	1.67	5.22	3	38	6	99					0	0	0	9
PD.2808	PL.15818	A	fuse8AMP	7.33Y	122.2	0.00	3.78	1.64	22	12	2	99	0.00	0.0	2.236	0.000	0	0	0	3
		B		7.46Y	124.3	0.00	1.67	5.22	71	38	6	99					0	0	0	9
PL.15819	PD.2808	A	4ACSR	7.33Y	122.2	0.00	3.79	1.64	1	12	2	99	0.00	0.0	2.270	0.034	0	0	0	3
		B		7.46Y	124.3	0.01	1.68	5.22	3	38	6	99					0	0	0	9
505407	PL.15819	B	Consumer	7.46Y	124.3	0.00	1.68	0.00	0	0	0	100	0.00	0.0	2.270	0.000	0	0	0	0
505420	PL.15819	A	Consumer	7.33Y	122.2	0.00	3.79	0.28	0	2	0	100	0.00	0.0	2.270	0.000	2	0	1	1
		B		7.46Y	124.3	0.00	1.68	0.28	0	2	0	99					2	0	1	1
PL.25008	PL.15819	A	4ACSR	7.33Y	122.2	0.00	3.79	1.36	1	10	2	98	0.00	0.0	2.297	0.027	0	0	0	3
		B		7.46Y	124.3	0.01	1.68	4.94	3	36	6	99					0	0	0	9
PL.25009	PL.25008	A	4ACSR	7.33Y	122.2	0.00	3.79	1.09	1	8	1	99	0.00	0.0	2.333	0.036	0	0	0	2
		B		7.46Y	124.3	0.00	1.68	1.51	1	11	2	99					0	0	0	3
506418	PL.25009	A	Consumer	7.33Y	122.2	0.00	3.79	0.25	0	2	0	100	0.00	0.0	2.333	0.000	2	0	1	1
		B		7.46Y	124.3	0.00	1.68	0.25	0	2	0	99					2	0	1	1
506432	PL.25009	B	Consumer	7.46Y	124.3	0.00	1.68	0.43	0	3	1	95	0.00	0.0	2.333	0.000	3	1	1	1
506430	PL.25009	A	Consumer	7.33Y	122.2	0.00	3.79	0.49	0	4	1	97	0.00	0.0	2.333	0.000	4	1	1	1
		B		7.46Y	124.3	0.00	1.68	0.48	0	4	1	99					4	1	1	1
506429	PL.25009	A	Consumer	7.33Y	122.2	0.00	3.79	0.35	0	3	0	100	0.00	0.0	2.333	0.000	3	0	1	1
		B		7.46Y	124.3	0.00	1.68	0.35	0	3	0	99					3	0	1	1
506413	PL.25008	A	Consumer	7.33Y	122.2	0.00	3.79	0.08	0	1	0	100	0.00	0.0	2.297	0.000	1	0	1	1
		B		7.46Y	124.3	0.00	1.68	0.08	0	1	0	99					1	0	1	1
506428	PL.25008	B	Consumer	7.46Y	124.3	0.00	1.68	0.85	0	6	1	99	0.00	0.0	2.297	0.000	6	1	1	1
506431	PL.25008	A	Consumer	7.33Y	122.2	0.00	3.79	0.19	0	1	0	100	0.00	0.0	2.297	0.000	1	0	1	1
		B		7.46Y	124.3	0.00	1.68	0.18	0	1	0	99					1	0	1	1
506417	PL.25008	B	Consumer	7.46Y	124.3	0.00	1.68	0.56	0	4	1	97	0.00	0.0	2.297	0.000	4	1	1	1
505414	PL.25008	B	Consumer	7.46Y	124.3	0.00	1.68	0.33	0	2	0	100	0.00	0.0	2.297	0.000	2	0	1	1
506426	PL.25008	B	Consumer	7.46Y	124.3	0.00	1.68	1.12	0	8	1	99	0.00	0.0	2.297	0.000	8	1	1	1
506420	PL.25008	B	Consumer	7.46Y	124.3	0.00	1.68	0.30	0	2	0	100	0.00	0.0	2.297	0.000	2	0	1	1
PL.19031	PL.12911	A	4/0ACSR	7.33Y	122.2	0.00	3.79	9.84	2	71	12	99	0.00	0.0	2.251	0.021	0	0	0	17
		B		7.46Y	124.3	0.00	1.67	18.55	4	136	25	98					0	0	0	47
		C		7.43Y	123.8	-0.00	2.25	0.80	0	6	1	99					0	0	0	3

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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
505342	PL.19031	C	Consumer	7.43Y	123.8	0.00	2.25	0.10	0	1	0	100	0.00	0.0	2.251	0.000	1	0	1	1
505332	PL.19031	C	Consumer	7.43Y	123.8	0.00	2.25	0.00	0	0	0	100	0.00	0.0	2.251	0.000	0	0	0	0
505331	PL.19031	A	Consumer	7.33Y	122.2	0.00	3.79	0.75	0	5	1	98	0.00	0.0	2.251	0.000	5	1	1	1
505325	PL.19031	C	Consumer	7.43Y	123.8	0.00	2.25	0.00	0	0	0	100	0.00	0.0	2.251	0.000	0	0	0	0
505327	PL.19031	C	Consumer	7.43Y	123.8	0.00	2.25	0.49	0	4	1	97	0.00	0.0	2.251	0.000	4	1	1	1
505416	PL.19031	C	Consumer	7.43Y	123.8	0.00	2.25	0.00	0	0	0	100	0.00	0.0	2.251	0.000	0	0	0	0
PL.19506	PL.19031	A	4/0ACSR	7.33Y	122.2	0.01	3.79	9.09	2	66	11	99	0.01	0.0	2.289	0.039	0	0	0	16
		B		7.46Y	124.3	0.01	1.68	18.55	4	136	25	98					0	0	0	47
		C		7.43Y	123.8	-0.00	2.24	0.21	0	2	0	99					0	0	0	1
PL.15823	PL.19506	A	4ACSR	7.33Y	122.2	0.00	3.79	1.26	1	9	2	98	0.00	0.0	2.295	0.005	0	0	0	3
		B		7.46Y	124.3	0.00	1.68	4.77	2	35	6	99					0	0	0	9
PD.2807	PL.15823	A	fuse8AMP	7.33Y	122.2	0.00	3.79	1.26	17	9	2	98	0.00	0.0	2.295	0.000	0	0	0	3
		B		7.46Y	124.3	0.00	1.68	4.77	65	35	6	99					0	0	0	9
PL.15824	PD.2807	A	4ACSR	7.33Y	122.2	0.00	3.80	1.26	1	9	2	98	0.00	0.0	2.322	0.027	0	0	0	3
		B		7.46Y	124.3	0.01	1.69	4.77	2	35	6	99					0	0	0	9
PL.15825	PL.15824	A	4ACSR	7.33Y	122.2	0.00	3.80	0.00	0	0	0	100	0.00	0.0	2.374	0.052	0	0	0	0
		B		7.46Y	124.3	0.00	1.69	0.13	0	1	0	90					0	0	0	1
PL.25007	PL.15825	A	4ACSR	7.33Y	122.2	0.00	3.80	0.00	0	0	0	100	0.00	0.0	2.411	0.037	0	0	0	0
		B		7.46Y	124.3	0.00	1.69	0.13	0	1	0	90					0	0	0	1
505501	PL.25007	B	Consumer	7.46Y	124.3	0.00	1.69	0.13	0	1	0	100	0.00	0.0	2.411	0.000	1	0	1	1
505421	PL.15825	A	Consumer	7.33Y	122.2	0.00	3.80	0.00	0	0	0	100	0.00	0.0	2.374	0.000	0	0	0	0
505417	PL.15824	A	Consumer	7.33Y	122.2	0.00	3.80	0.00	0	0	0	100	0.00	0.0	2.322	0.000	0	0	0	0
505411	PL.15824	B	Consumer	7.46Y	124.3	0.00	1.69	0.59	0	4	1	97	0.00	0.0	2.322	0.000	4	1	1	1
505415	PL.15824	A	Consumer	7.33Y	122.2	0.00	3.80	0.05	0	0	0	100	0.00	0.0	2.322	0.000	0	0	1	1
		B		7.46Y	124.3	0.00	1.69	0.05	0	0	0	90					0	0	1	1
505422	PL.15824	A	Consumer	7.33Y	122.2	0.00	3.80	0.45	0	3	1	95	0.00	0.0	2.322	0.000	3	1	1	1
		B		7.46Y	124.3	0.00	1.69	0.44	0	3	1	99					3	1	1	1
505409	PL.15824	B	Consumer	7.46Y	124.3	0.00	1.69	0.37	0	3	0	100	0.00	0.0	2.322	0.000	3	0	1	1
505405	PL.15824	B	Consumer	7.46Y	124.3	0.00	1.69	0.30	0	2	0	100	0.00	0.0	2.322	0.000	2	0	1	1
505410	PL.15824	B	Consumer	7.46Y	124.3	0.00	1.69	0.02	0	0	0	100	0.00	0.0	2.322	0.000	0	0	1	1
5054030	PL.15824	A	Consumer	7.33Y	122.2	0.00	3.80	0.32	0	2	0	100	0.00	0.0	2.322	0.000	0	0	0	1
		B		7.46Y	124.3	0.00	1.69	0.00	0	0	0	100					0	0	0	0
505419	5054030	A	Consumer	7.33Y	122.2	0.00	3.80	0.32	0	2	0	100	0.00	0.0	2.322	0.000	2	0	1	1
505418	PL.15824	B	Consumer	7.46Y	124.3	0.00	1.69	0.90	0	7	1	99	0.00	0.0	2.322	0.000	7	1	1	1
505406	PL.15824	A	Consumer	7.33Y	122.2	0.00	3.80	0.25	0	2	0	100	0.00	0.0	2.322	0.000	2	0	1	1
		B		7.46Y	124.3	0.00	1.69	0.24	0	2	0	99					2	0	1	1
505401	PL.15824	B	Consumer	7.46Y	124.3	0.00	1.69	1.52	0	11	2	98	0.00	0.0	2.322	0.000	11	2	1	1
505403	PL.15824	A	Consumer	7.33Y	122.2	0.00	3.80	0.19	0	1	0	100	0.00	0.0	2.322	0.000	1	0	1	1
		B		7.46Y	124.3	0.00	1.69	0.19	0	1	0	99					1	0	1	1
PL.15820	PL.19506	A	4ACSR	7.33Y	122.2	0.00	3.80	7.83	4	57	9	99	0.00	0.0	2.295	0.006	0	0	0	13
C PD.2806	PL.15820	A	fuse8AMP	7.33Y	122.2	0.00	3.80	7.83	107	57	9	99	0.00	0.0	2.295	0.000	0	0	0	13 C
PL.15821	PD.2806	A	4ACSR	7.33Y	122.2	0.01	3.81	7.83	4	57	9	99	0.01	0.0	2.332	0.037	0	0	0	13
504323	PL.15821	A	Consumer	7.33Y	122.2	0.00	3.81	0.41	0	3	0	100	0.00	0.0	2.332	0.000	3	0	1	1
504314	PL.15821	A	Consumer	7.33Y	122.2	0.00	3.81	1.48	0	11	2	98	0.00	0.0	2.332	0.000	11	2	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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.15822	PL.15821	A	4ACSR	7.33Y	122.2	0.01	3.82	5.94	3	43	7	99	0.00	0.0	2.370	0.038	0	0	0	11
504305	PL.15822	A	Consumer	7.33Y	122.2	0.00	3.82	0.32	0	2	0	100	0.00	0.0	2.370	0.000	2	0	1	1
504324	PL.15822	A	Consumer	7.33Y	122.2	0.00	3.82	0.17	0	1	0	100	0.00	0.0	2.370	0.000	1	0	1	1
504330	PL.15822	A	Consumer	7.33Y	122.2	0.00	3.82	0.00	0	0	0	100	0.00	0.0	2.370	0.000	0	0	0	0
504315	PL.15822	A	Consumer	7.33Y	122.2	0.00	3.82	0.41	0	3	0	100	0.00	0.0	2.370	0.000	3	0	1	1
504318	PL.15822	A	Consumer	7.33Y	122.2	0.00	3.82	0.80	0	6	1	99	0.00	0.0	2.370	0.000	6	1	1	1
504333	PL.15822	A	Consumer	7.33Y	122.2	0.00	3.82	0.00	0	0	0	100	0.00	0.0	2.370	0.000	0	0	0	0
PL.25006	PL.15822	A	4ACSR	7.33Y	122.2	0.01	3.82	4.26	2	31	5	99	0.00	0.0	2.398	0.028	0	0	0	7
PL.24296	PL.25006	A	4ACSR	7.33Y	122.2	0.00	3.82	1.11	1	8	1	99	0.00	0.0	2.413	0.016	0	0	0	3
PL.24297	PL.24296	A	4ACSR	7.33Y	122.2	0.00	3.83	1.11	1	8	1	99	0.00	0.0	2.451	0.037	0	0	0	3
504319	PL.24297	A	Consumer	7.33Y	122.2	0.00	3.83	0.42	0	3	0	100	0.00	0.0	2.451	0.000	3	0	1	1
503311	PL.24297	A	Consumer	7.33Y	122.2	0.00	3.83	0.00	0	0	0	100	0.00	0.0	2.451	0.000	0	0	0	0
504208	PL.24297	A	Consumer	7.33Y	122.2	0.00	3.83	0.54	0	4	1	97	0.00	0.0	2.451	0.000	4	1	1	1
504321	PL.24297	A	Consumer	7.33Y	122.2	0.00	3.83	0.15	0	1	0	100	0.00	0.0	2.451	0.000	1	0	1	1
504334	PL.25006	A	Consumer	7.33Y	122.2	0.00	3.82	1.02	0	7	1	99	0.00	0.0	2.398	0.000	7	1	1	1
504327	PL.25006	A	Consumer	7.33Y	122.2	0.00	3.82	1.01	0	7	1	99	0.00	0.0	2.398	0.000	7	1	1	1
504322	PL.25006	A	Consumer	7.33Y	122.2	0.00	3.82	0.44	0	3	1	95	0.00	0.0	2.398	0.000	3	1	1	1
5043050	504322	A	Consumer	7.33Y	122.2	0.00	3.82	0.00	0	0	0	100	0.00	0.0	2.398	0.000	0	0	0	0
504308	PL.25006	A	Consumer	7.33Y	122.2	0.00	3.82	0.68	0	5	1	98	0.00	0.0	2.398	0.000	5	1	1	1
PL.19058	PL.19506	A	4/0ACSR	7.33Y	122.2	0.00	3.80	0.00	0	0	0	100	0.00	0.0	2.315	0.025	0	0	0	0
		B		7.46Y	124.3	0.00	1.68	13.78	3	101	19	98					0	0	0	38
		C		7.43Y	123.8	-0.00	2.24	0.21	0	2	0	99					0	0	0	1
PL.19057	PL.19058	A	4/0ACSR	7.33Y	122.2	0.00	3.80	0.00	0	0	0	100	0.00	0.0	2.343	0.029	0	0	0	0
		B		7.46Y	124.3	0.01	1.69	12.80	3	94	18	98					0	0	0	35
		C		7.43Y	123.8	-0.00	2.24	0.21	0	2	0	99					0	0	0	1
504440	PL.19057	C	Consumer	7.43Y	123.8	0.00	2.24	0.00	0	0	0	100	0.00	0.0	2.343	0.000	0	0	0	0
504408	PL.19057	C	Consumer	7.43Y	123.8	0.00	2.24	0.21	0	2	0	100	0.00	0.0	2.343	0.000	2	0	1	1
PL.24827	PL.19057	A	4/0ACSR	7.33Y	122.2	0.00	3.80	0.00	0	0	0	100	0.00	0.0	2.386	0.042	0	0	0	0
		B		7.46Y	124.3	0.01	1.70	12.80	3	94	18	98					0	0	0	35
		C		7.43Y	123.8	-0.00	2.23	0.00	0	0	0	100					0	0	0	0
504416	PL.24827	B	Consumer	7.46Y	124.3	0.00	1.70	0.24	0	2	0	100	0.00	0.0	2.386	0.000	2	0	1	1
504418	PL.24827	B	Consumer	7.46Y	124.3	0.00	1.70	0.20	0	1	0	100	0.00	0.0	2.386	0.000	1	0	1	1
504417	PL.24827	B	Consumer	7.46Y	124.3	0.00	1.70	0.36	0	3	0	100	0.00	0.0	2.386	0.000	3	0	1	1
504402	PL.24827	B	Consumer	7.46Y	124.3	0.00	1.70	0.00	0	0	0	100	0.00	0.0	2.386	0.000	0	0	0	0
504419	PL.24827	B	Consumer	7.46Y	124.3	0.00	1.70	0.56	0	4	1	97	0.00	0.0	2.386	0.000	4	1	1	1
504415	PL.24827	B	Consumer	7.46Y	124.3	0.00	1.70	1.22	0	8	4	89	0.00	0.0	2.386	0.000	8	4	1	1
504441	PL.24827	B	Consumer	7.46Y	124.3	0.00	1.70	0.00	0	0	0	100	0.00	0.0	2.386	0.000	0	0	0	0
PL.29334	PL.24827	B	4ACSR	7.46Y	124.3	0.01	1.71	9.10	5	67	11	99	0.00	0.0	2.409	0.024	0	0	0	26
PL.29335	PL.29334	B	4ACSR	7.46Y	124.3	0.00	1.71	3.56	2	26	4	99	0.00	0.0	2.436	0.026	0	0	0	10
PL.29336	PL.29335	B	4ACSR	7.46Y	124.3	0.00	1.71	2.52	1	19	3	99	0.00	0.0	2.456	0.021	0	0	0	6
504313	PL.29336	B	Consumer	7.46Y	124.3	0.00	1.71	0.25	0	2	0	100	0.00	0.0	2.456	0.000	2	0	1	1

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

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
504335	PL.29336	B	Consumer	7.46Y	124.3	0.00	1.71	0.83	0	6	1	99	0.00	0.0	2.456	0.000	6	1	1	1
503401	PL.29336	B	Consumer	7.46Y	124.3	0.00	1.71	0.32	0	2	0	100	0.00	0.0	2.456	0.000	2	0	1	1
504316	PL.29336	B	Consumer	7.46Y	124.3	0.00	1.71	0.20	0	1	0	100	0.00	0.0	2.456	0.000	1	0	1	1
504328	PL.29336	B	Consumer	7.46Y	124.3	0.00	1.71	0.21	0	2	0	100	0.00	0.0	2.456	0.000	2	0	1	1
503405	PL.29336	B	Consumer	7.46Y	124.3	0.00	1.71	0.70	0	5	1	98	0.00	0.0	2.456	0.000	5	1	1	1
503413	PL.29335	B	Consumer	7.46Y	124.3	0.00	1.71	0.00	0	0	0	100	0.00	0.0	2.436	0.000	0	0	0	0
504431	PL.29335	B	Consumer	7.46Y	124.3	0.00	1.71	0.36	0	3	0	100	0.00	0.0	2.436	0.000	3	0	1	1
503407	PL.29335	B	Consumer	7.46Y	124.3	0.00	1.71	0.00	0	0	0	100	0.00	0.0	2.436	0.000	0	0	0	0
504430	PL.29335	B	Consumer	7.46Y	124.3	0.00	1.71	0.27	0	2	0	100	0.00	0.0	2.436	0.000	2	0	1	1
503414	PL.29335	B	Consumer	7.46Y	124.3	0.00	1.71	0.00	0	0	0	100	0.00	0.0	2.436	0.000	0	0	0	0
503408	PL.29335	B	Consumer	7.46Y	124.3	0.00	1.71	0.00	0	0	0	100	0.00	0.0	2.436	0.000	0	0	0	0
504429	PL.29335	B	Consumer	7.46Y	124.3	0.00	1.71	0.19	0	1	0	100	0.00	0.0	2.436	0.000	1	0	1	1
503411	PL.29335	B	Consumer	7.46Y	124.3	0.00	1.71	0.00	0	0	0	100	0.00	0.0	2.436	0.000	0	0	0	0
503412	PL.29335	B	Consumer	7.46Y	124.3	0.00	1.71	0.00	0	0	0	100	0.00	0.0	2.436	0.000	0	0	0	0
504428	PL.29335	B	Consumer	7.46Y	124.3	0.00	1.71	0.22	0	2	0	100	0.00	0.0	2.436	0.000	2	0	1	1
503409	PL.29335	B	Consumer	7.46Y	124.3	0.00	1.71	0.00	0	0	0	100	0.00	0.0	2.436	0.000	0	0	0	0
503410	PL.29335	B	Consumer	7.46Y	124.3	0.00	1.71	0.00	0	0	0	100	0.00	0.0	2.436	0.000	0	0	0	0
504438	PL.29334	B	Consumer	7.46Y	124.3	0.00	1.71	0.23	0	2	0	100	0.00	0.0	2.409	0.000	2	0	1	1
504424	PL.29334	B	Consumer	7.46Y	124.3	0.00	1.71	0.33	0	2	0	100	0.00	0.0	2.409	0.000	2	0	1	1
504426	PL.29334	B	Consumer	7.46Y	124.3	0.00	1.71	0.67	0	5	1	98	0.00	0.0	2.409	0.000	5	1	1	1
504434	PL.29334	B	Consumer	7.46Y	124.3	0.00	1.71	0.21	0	1	1	71	0.00	0.0	2.409	0.000	1	1	1	1
504421	PL.29334	B	Consumer	7.46Y	124.3	0.00	1.71	0.14	0	1	0	100	0.00	0.0	2.409	0.000	1	0	1	1
504423	PL.29334	B	Consumer	7.46Y	124.3	0.00	1.71	0.44	0	3	1	95	0.00	0.0	2.409	0.000	3	1	1	1
504437	PL.29334	B	Consumer	7.46Y	124.3	0.00	1.71	0.36	0	3	0	100	0.00	0.0	2.409	0.000	3	0	1	1
504432	PL.29334	B	Consumer	7.46Y	124.3	0.00	1.71	0.19	0	1	0	100	0.00	0.0	2.409	0.000	1	0	1	1
504425	PL.29334	B	Consumer	7.46Y	124.3	0.00	1.71	0.36	0	3	0	100	0.00	0.0	2.409	0.000	3	0	1	1
504436	PL.29334	B	Consumer	7.46Y	124.3	0.00	1.71	0.45	0	3	1	95	0.00	0.0	2.409	0.000	3	1	1	1
504427	PL.29334	B	Consumer	7.46Y	124.3	0.00	1.71	0.18	0	1	0	100	0.00	0.0	2.409	0.000	1	0	1	1
504435	PL.29334	B	Consumer	7.46Y	124.3	0.00	1.71	0.36	0	3	0	100	0.00	0.0	2.409	0.000	3	0	1	1
504439	PL.29334	B	Consumer	7.46Y	124.3	0.00	1.71	0.44	0	3	1	95	0.00	0.0	2.409	0.000	3	1	1	1
504422	PL.29334	B	Consumer	7.46Y	124.3	0.00	1.71	0.23	0	2	0	100	0.00	0.0	2.409	0.000	2	0	1	1
504433	PL.29334	B	Consumer	7.46Y	124.3	0.00	1.71	0.43	0	3	1	95	0.00	0.0	2.409	0.000	3	1	1	1
504420	PL.29334	B	Consumer	7.46Y	124.3	0.00	1.71	0.53	0	4	1	97	0.00	0.0	2.409	0.000	4	1	1	1
PL.12914	PL.24827	A	4/0ACSR	7.33Y	122.2	0.00	3.80	0.00	0	0	0	100	0.00	0.0	2.451	0.065	0	0	0	0
		B		7.46Y	124.3	0.00	1.70	1.17	0	9	1	99					0	0	0	4
		C		7.43Y	123.8	-0.00	2.23	0.00	0	0	0	100					0	0	0	0
PL.12913	PL.12914	A	4/0ACSR	7.33Y	122.2	0.00	3.80	0.00	0	0	0	100	0.00	0.0	2.464	0.013	0	0	0	0
		B		7.46Y	124.3	0.00	1.70	0.00	0	0	0	100					0	0	0	0
		C		7.43Y	123.8	0.00	2.23	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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.4350-B	PL.12913	A	Open	7.33Y	122.2	0.00	3.80	0.00	0	0	0	100	0.00	0.0	2.464	0.000	0	0	0	0
		B		7.46Y	124.3	0.00	1.70	0.00	0	0	0	100					0	0	0	0
		C		7.43Y	123.8	0.00	2.23	0.00	0	0	0	100					0	0	0	0
503310	PL.12914	B	Consumer	7.46Y	124.3	0.00	1.70	0.74	0	5	1	98	0.00	0.0	2.451	0.000	5	1	1	1
503307	PL.12914	B	Consumer	7.46Y	124.3	0.00	1.70	0.21	0	2	0	100	0.00	0.0	2.451	0.000	2	0	1	1
504306	PL.12914	B	Consumer	7.46Y	124.3	0.00	1.70	0.00	0	0	0	100	0.00	0.0	2.451	0.000	0	0	0	0
504331	PL.12914	B	Consumer	7.46Y	124.3	0.00	1.70	0.04	0	0	0	100	0.00	0.0	2.451	0.000	0	0	1	1
503312	PL.12914	C	Consumer	7.43Y	123.8	0.00	2.23	0.00	0	0	0	100	0.00	0.0	2.451	0.000	0	0	0	0
503303	PL.12914	B	Consumer	7.46Y	124.3	0.00	1.70	0.18	0	1	0	100	0.00	0.0	2.451	0.000	1	0	1	1
504413	PL.19058	C	Consumer	7.43Y	123.8	0.00	2.24	0.00	0	0	0	100	0.00	0.0	2.315	0.000	0	0	0	0
504406	PL.19058	B	Consumer	7.46Y	124.3	0.00	1.68	0.30	0	2	0	100	0.00	0.0	2.315	0.000	2	0	1	1
504412	PL.19058	B	Consumer	7.46Y	124.3	0.00	1.68	0.22	0	2	0	100	0.00	0.0	2.315	0.000	2	0	1	1
504414	PL.19058	B	Consumer	7.46Y	124.3	0.00	1.68	0.46	0	3	1	95	0.00	0.0	2.315	0.000	3	1	1	1
506302	PL.12912	A	Consumer	7.33Y	122.2	0.00	3.77	0.20	0	1	0	100	0.00	0.0	2.192	0.000	1	0	1	1
		C		7.42Y	123.7	0.00	2.25	0.19	0	1	0	99					1	0	1	1
505338	PL.12912	A	Consumer	7.33Y	122.2	0.00	3.77	0.00	0	0	0	100	0.00	0.0	2.192	0.000	0	0	0	0
		C		7.42Y	123.7	0.00	2.25	0.00	0	0	0	100					0	0	0	0
505324	PL.12912	C	Consumer	7.42Y	123.7	0.00	2.25	0.21	0	1	1	71	0.00	0.0	2.192	0.000	1	1	1	1
505328	PL.12912	C	Consumer	7.42Y	123.7	0.00	2.25	0.00	0	0	0	100	0.00	0.0	2.192	0.000	0	0	0	0
506401	PL.12912	A	Consumer	7.33Y	122.2	0.00	3.77	0.00	0	0	0	100	0.00	0.0	2.192	0.000	0	0	0	0
		C		7.42Y	123.7	0.00	2.25	0.00	0	0	0	100					0	0	0	0
506313	PL.12912	A	Consumer	7.33Y	122.2	0.00	3.77	0.00	0	0	0	100	0.00	0.0	2.192	0.000	0	0	0	0
		C		7.42Y	123.7	0.00	2.25	0.00	0	0	0	100					0	0	0	0
PL.17653	PL.25004	C	4ACSR	7.42Y	123.7	0.00	2.26	8.14	4	60	10	99	0.00	0.0	2.163	0.005	0	0	0	12
C PD.2809	PL.17653	C	fuse8AMP	7.42Y	123.7	0.00	2.26	8.14	111	60	10	99	0.00	0.0	2.163	0.000	0	0	0	12 C
PL.17654	PD.2809	C	4ACSR	7.42Y	123.7	0.01	2.27	8.14	4	60	10	99	0.00	0.0	2.184	0.021	0	0	0	12
506314	PL.17654	C	Consumer	7.42Y	123.7	0.00	2.27	0.53	0	4	1	97	0.00	0.0	2.184	0.000	4	1	1	1
506318	PL.17654	C	Consumer	7.42Y	123.7	0.00	2.27	0.00	0	0	0	100	0.00	0.0	2.184	0.000	0	0	0	0
506322	PL.17654	C	Consumer	7.42Y	123.7	0.00	2.27	0.00	0	0	0	100	0.00	0.0	2.184	0.000	0	0	0	0
506305	PL.17654	C	Consumer	7.42Y	123.7	0.00	2.27	1.02	0	7	1	99	0.00	0.0	2.184	0.000	7	1	1	1
506320	PL.17654	C	Consumer	7.42Y	123.7	0.00	2.27	0.00	0	0	0	100	0.00	0.0	2.184	0.000	0	0	0	0
506303	PL.17654	C	Consumer	7.42Y	123.7	0.00	2.27	0.67	0	5	1	98	0.00	0.0	2.184	0.000	5	1	1	1
506319	PL.17654	C	Consumer	7.42Y	123.7	0.00	2.27	0.00	0	0	0	100	0.00	0.0	2.184	0.000	0	0	0	0
PL.27827	PL.17654	C	4ACSR	7.42Y	123.7	0.01	2.27	5.92	3	43	7	99	0.00	0.0	2.218	0.034	0	0	0	9
PL.27828	PL.27827	C	4ACSR	7.42Y	123.7	0.00	2.28	2.19	1	16	3	98	0.00	0.0	2.250	0.032	0	0	0	4
506433	PL.27828	C	Consumer	7.42Y	123.7	0.00	2.28	0.25	0	2	0	100	0.00	0.0	2.250	0.000	2	0	1	1
506427	PL.27828	C	Consumer	7.42Y	123.7	0.00	2.28	1.55	0	11	2	98	0.00	0.0	2.250	0.000	9	1	1	2
5064034	506427	C	Consumer	7.42Y	123.7	0.00	2.28	0.30	0	2	0	100	0.00	0.0	2.250	0.000	2	0	1	1
PL.25010	PL.27828	C	4ACSR	7.42Y	123.7	0.00	2.28	0.39	0	3	0	100	0.00	0.0	2.296	0.046	0	0	0	1
507401	PL.25010	C	Consumer	7.42Y	123.7	0.00	2.28	0.39	0	3	0	100	0.00	0.0	2.296	0.000	3	0	1	1
506409	PL.25010	C	Consumer	7.42Y	123.7	0.00	2.28	0.00	0	0	0	100	0.00	0.0	2.296	0.000	0	0	0	0

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

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
506317	PL.27827	C	Consumer	7.42Y	123.7	0.00	2.27	0.00	0	0	0	100	0.00	0.0	2.218	0.000	0	0	0	0
506423	PL.27827	C	Consumer	7.42Y	123.7	0.00	2.27	0.91	0	7	1	99	0.00	0.0	2.218	0.000	7	1	1	1
506310	PL.27827	C	Consumer	7.42Y	123.7	0.00	2.27	0.76	0	6	1	99	0.00	0.0	2.218	0.000	6	1	1	1
506424	PL.27827	C	Consumer	7.42Y	123.7	0.00	2.27	0.30	0	2	0	100	0.00	0.0	2.218	0.000	2	0	1	1
506411	PL.27827	C	Consumer	7.42Y	123.7	0.00	2.27	1.35	0	10	2	98	0.00	0.0	2.218	0.000	10	2	1	1
506309	PL.27827	C	Consumer	7.42Y	123.7	0.00	2.27	0.42	0	3	0	100	0.00	0.0	2.218	0.000	3	0	1	1
506419	PL.27827	C	Consumer	7.42Y	123.7	0.00	2.27	0.00	0	0	0	100	0.00	0.0	2.218	0.000	0	0	0	0
PL.44719	PL.24822	A	2ACSR	7.34Y	122.3	0.00	3.75	0.00	0	0	0	100	0.00	0.0	2.178	0.034	0	0	0	0
		B		7.46Y	124.3	0.00	1.66	0.00	0	0	0	100					0	0	0	0
		C		7.42Y	123.7	0.00	2.25	0.00	0	0	0	100					0	0	0	0
5063031	PL.44719	A	Consumer	7.34Y	122.3	0.00	3.75	0.00	0	0	0	100	0.00	0.0	2.178	0.000	0	0	0	0
		B		7.46Y	124.3	0.00	1.66	0.00	0	0	0	100					0	0	0	0
		C		7.42Y	123.7	0.00	2.25	0.00	0	0	0	100					0	0	0	0
P PL.45849	PL.24822	A	1/0EPRJCN	7.34Y	122.3	-0.00	3.75	-0.02	0	0	0	100	0.00	0.0	2.174	0.030	0	0	0	0 P
5063034	PL.45849	A	Consumer	7.34Y	122.3	0.00	3.75	0.00	0	0	0	100	0.00	0.0	2.174	0.000	0	0	0	0
5063035	5063034	A	Consumer	7.34Y	122.3	0.00	3.75	0.00	0	0	0	100	0.00	0.0	2.174	0.000	0	0	0	0
5063032	PL.45849	A	Consumer	7.34Y	122.3	0.00	3.75	0.00	0	0	0	100	0.00	0.0	2.174	0.000	0	0	0	0
5063033	5063032	A	Consumer	7.34Y	122.3	0.00	3.75	0.00	0	0	0	100	0.00	0.0	2.174	0.000	0	0	0	0
506312	PL.24822	C	Consumer	7.42Y	123.7	0.00	2.25	0.13	0	1	0	100	0.00	0.0	2.144	0.000	1	0	1	1
PL.15809	PL.18372	A	4ACSR	7.34Y	122.3	0.00	3.74	10.95	6	79	14	98	0.00	0.0	2.101	0.005	0	0	0	15
C PD.2813	PL.15809	A	fuse8AMP	7.34Y	122.3	0.00	3.74	10.95	150	79	14	98	0.00	0.0	2.101	0.000	0	0	0	15 C
PL.15810	PD.2813	A	4ACSR	7.34Y	122.3	0.01	3.75	10.95	6	79	14	98	0.00	0.0	2.115	0.014	0	0	0	15
506330	PL.15810	A	Consumer	7.34Y	122.3	0.00	3.75	0.41	0	3	0	100	0.00	0.0	2.115	0.000	3	0	1	1
507318	PL.15810	A	Consumer	7.34Y	122.3	0.00	3.75	0.43	0	3	1	95	0.00	0.0	2.115	0.000	3	1	1	1
506325	PL.15810	A	Consumer	7.34Y	122.3	0.00	3.75	0.58	0	4	1	97	0.00	0.0	2.115	0.000	4	1	1	1
506308	PL.15810	A	Consumer	7.34Y	122.3	0.00	3.75	1.47	0	11	2	98	0.00	0.0	2.115	0.000	11	2	1	1
506315	PL.15810	A	Consumer	7.34Y	122.3	0.00	3.75	0.59	0	4	1	97	0.00	0.0	2.115	0.000	4	1	1	1
506316	PL.15810	A	Consumer	7.34Y	122.3	0.00	3.75	0.74	0	5	1	98	0.00	0.0	2.115	0.000	5	1	1	1
PL.24293	PL.15810	A	4ACSR	7.33Y	122.2	0.01	3.76	6.74	3	49	8	99	0.01	0.0	2.164	0.050	0	0	0	9
PL.12715	PL.24293	A	4ACSR	7.33Y	122.2	0.00	3.76	3.90	2	28	5	98	0.00	0.0	2.184	0.019	0	0	0	5
PL.12716	PL.12715	A	4ACSR	7.33Y	122.2	0.00	3.76	3.90	2	28	5	98	0.00	0.0	2.184	0.000	0	0	0	5
PL.7369	PL.12716	A	4ACSR	7.33Y	122.2	0.00	3.76	0.38	0	3	0	100	0.00	0.0	2.225	0.041	0	0	0	1
507403	PL.7369	A	Consumer	7.33Y	122.2	0.00	3.76	0.38	0	3	0	100	0.00	0.0	2.225	0.000	3	0	1	1
507406	PL.12716	A	Consumer	7.33Y	122.2	0.00	3.76	1.90	0	14	2	99	0.00	0.0	2.184	0.000	14	2	1	1
507313	PL.12716	A	Consumer	7.33Y	122.2	0.00	3.76	0.31	0	2	0	100	0.00	0.0	2.184	0.000	2	0	1	1
507310	PL.12716	A	Consumer	7.33Y	122.2	0.00	3.76	0.48	0	3	1	95	0.00	0.0	2.184	0.000	3	1	1	1
5073035	507310	A	Consumer	7.33Y	122.2	0.00	3.76	0.00	0	0	0	100	0.00	0.0	2.184	0.000	0	0	0	0
507407	PL.12716	A	Consumer	7.33Y	122.2	0.00	3.76	0.83	0	6	1	99	0.00	0.0	2.184	0.000	6	1	1	1
507405	PL.12716	A	Consumer	7.33Y	122.2	0.00	3.76	0.00	0	0	0	100	0.00	0.0	2.184	0.000	0	0	0	0
507307	PL.24293	A	Consumer	7.33Y	122.2	0.00	3.76	1.35	0	10	2	98	0.00	0.0	2.164	0.000	10	2	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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
507312	PL.24293	A	Consumer	7.33Y	122.2	0.00	3.76	0.39	0	3	0	100	0.00	0.0	2.164	0.000	3	0	1	1	
507306	PL.24293	A	Consumer	7.33Y	122.2	0.00	3.76	1.03	0	7	1	99	0.00	0.0	2.164	0.000	7	1	1	1	
507322	PL.24293	A	Consumer	7.33Y	122.2	0.00	3.76	0.07	0	1	0	100	0.00	0.0	2.164	0.000	1	0	1	1	
PL.15811	PL.18372	A	4ACSR	7.34Y	122.3	0.00	3.74	4.96	3	36	6	99	0.00	0.0	2.101	0.005	0	0	0	9	
PD.2814	PL.15811	A	fuse8AMP	7.34Y	122.3	0.00	3.74	4.96	68	36	6	99	0.00	0.0	2.101	0.000	0	0	0	9	
PL.15812	PD.2814	A	4ACSR	7.34Y	122.3	0.01	3.74	4.96	3	36	6	99	0.00	0.0	2.129	0.027	0	0	0	9	
PL.24292	PL.15812	A	4ACSR	7.33Y	122.2	0.01	3.75	4.57	2	33	5	99	0.00	0.0	2.177	0.048	0	0	0	7	
506236	PL.24292	A	Consumer	7.33Y	122.2	0.00	3.75	0.00	0	0	0	100	0.00	0.0	2.177	0.000	0	0	0	0	
506204	PL.24292	A	Consumer	7.33Y	122.2	0.00	3.75	0.00	0	0	0	100	0.00	0.0	2.177	0.000	0	0	0	0	
5062041	PL.24292	A	Consumer	7.33Y	122.2	0.00	3.75	1.55	0	11	2	98	0.00	0.0	2.177	0.000	11	2	1	1	
506240	PL.24292	A	Consumer	7.33Y	122.2	0.00	3.75	0.00	0	0	0	100	0.00	0.0	2.177	0.000	0	0	0	0	
506238	PL.24292	A	Consumer	7.33Y	122.2	0.00	3.75	0.00	0	0	0	100	0.00	0.0	2.177	0.000	0	0	0	0	
506207	PL.24292	A	Consumer	7.33Y	122.2	0.00	3.75	0.42	0	3	0	100	0.00	0.0	2.177	0.000	3	0	1	1	
506237	PL.24292	A	Consumer	7.33Y	122.2	0.00	3.75	0.97	0	7	1	99	0.00	0.0	2.177	0.000	7	1	1	1	
506206	PL.24292	A	Consumer	7.33Y	122.2	0.00	3.75	0.28	0	2	0	100	0.00	0.0	2.177	0.000	2	0	1	1	
PL.24823	PL.24292	A	4ACSR	7.33Y	122.2	0.00	3.75	1.35	1	10	2	98	0.00	0.0	2.209	0.033	0	0	0	3	
506208	PL.24823	A	Consumer	7.33Y	122.2	0.00	3.75	0.34	0	2	0	100	0.00	0.0	2.209	0.000	2	0	1	1	
506212	PL.24823	A	Consumer	7.33Y	122.2	0.00	3.75	0.00	0	0	0	100	0.00	0.0	2.209	0.000	0	0	1	1	
506203	PL.24823	A	Consumer	7.33Y	122.2	0.00	3.75	1.01	0	7	1	99	0.00	0.0	2.209	0.000	7	1	1	1	
506205	PL.15812	A	Consumer	7.34Y	122.3	0.00	3.74	0.30	0	2	0	100	0.00	0.0	2.129	0.000	2	0	1	1	
506324	PL.15812	A	Consumer	7.34Y	122.3	0.00	3.74	0.08	0	1	0	100	0.00	0.0	2.129	0.000	1	0	1	1	
507302	PL.19254	C	Consumer	7.43Y	123.8	0.00	2.23	0.35	0	3	0	100	0.00	0.0	2.047	0.000	3	0	1	1	
507209	PL.19254	C	Consumer	7.43Y	123.8	0.00	2.23	0.50	0	4	1	97	0.00	0.0	2.047	0.000	4	1	1	1	
507218	PL.19254	C	Consumer	7.43Y	123.8	0.00	2.23	0.78	0	6	1	99	0.00	0.0	2.047	0.000	6	1	1	1	
507208	PL.19254	C	Consumer	7.43Y	123.8	0.00	2.23	0.87	0	6	1	99	0.00	0.0	2.047	0.000	6	1	1	1	
507217	PL.19254	C	Consumer	7.43Y	123.8	0.00	2.23	0.37	0	3	0	100	0.00	0.0	2.047	0.000	3	0	1	1	
507220	PL.19254	C	Consumer	7.43Y	123.8	0.00	2.23	1.00	0	7	1	99	0.00	0.0	2.047	0.000	7	1	1	1	
507219	PL.19254	C	Consumer	7.43Y	123.8	0.00	2.23	0.70	0	5	1	98	0.00	0.0	2.047	0.000	5	1	1	1	
507205	PL.7367	A	Consumer	7.34Y	122.3	0.00	3.69	0.49	0	4	1	97	0.00	0.0	2.005	0.000	4	1	1	1	
507216	PL.7367	A	Consumer	7.34Y	122.3	0.00	3.69	0.38	0	3	1	95	0.00	0.0	2.005	0.000	3	1	1	1	
507301	PL.7367	B	Consumer	7.46Y	124.4	0.00	1.64	2.53	0	17	8	90	0.00	0.0	2.005	0.000	17	8	1	1	
507211	PL.7367	A	Consumer	7.34Y	122.3	0.00	3.69	0.16	0	1	1	71	0.00	0.0	2.005	0.000	1	1	1	1	
PL.12714	PL.7367	A	336ACSR	7.34Y	122.3	0.01	3.70	25.63	4	174	71	93	0.03	0.0	2.054	0.049	0	0	0	25	
		B		7.46Y	124.4	0.01	1.65	16.51	2	111	54	90					0	0	0	16	
		C		7.43Y	123.8	0.02	2.23	31.26	4	217	83	93					0	0	0	40	
PL.15804	PL.12714	A	336ACSR	7.34Y	122.3	0.00	3.70	25.63	4	174	71	93	0.01	0.0	2.077	0.023	0	0	0	25	
		B		7.46Y	124.4	0.00	1.65	15.64	2	105	51	90					0	0	0	14	
		C		7.43Y	123.8	0.01	2.24	31.26	4	217	83	93					0	0	0	40	
C PD.2816	PL.15804	A	fuse6AMP	7.34Y	122.3	0.00	3.70	25.63	438	174	71	93	0.00	0.0	2.077	0.000	0	0	0	25	C
C		B		7.46Y	124.4	0.00	1.65	15.64	267	105	51	90					0	0	0	14	C
C		C		7.43Y	123.8	0.00	2.24	31.26	534	217	83	93					0	0	0	40	C

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

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.15805	PD.2816	A	336ACSR	7.34Y	122.3	0.00	3.70	25.63	4	174	71	93	0.00	0.0	2.083	0.005	0	0	0	25
		B		7.46Y	124.4	0.00	1.65	15.64	2	105	51	90					0	0	0	14
		C		7.43Y	123.8	0.00	2.24	31.26	4	217	83	93					0	0	0	40
PL.3210	PL.15805	A	4ACSR	7.34Y	122.3	0.01	3.71	7.93	4	50	30	86	0.01	0.0	2.100	0.017	0	0	0	1
		B		7.46Y	124.3	0.01	1.66	7.65	4	49	30	85					0	0	0	0
		C		7.43Y	123.8	0.01	2.24	8.92	5	58	31	88					0	0	0	3
PL.3209	PL.3210	A	4ACSR	7.34Y	122.3	0.02	3.73	7.93	4	50	30	86	0.03	0.0	2.158	0.058	0	0	0	1
		B		7.46Y	124.3	0.02	1.67	7.65	4	49	30	85					0	0	0	0
		C		7.42Y	123.7	0.02	2.27	8.92	5	58	31	88					0	0	0	3
PL.3208	PL.3209	A	4ACSR	7.34Y	122.3	0.01	3.74	7.93	4	50	30	86	0.02	0.0	2.201	0.043	0	0	0	1
		B		7.46Y	124.3	0.01	1.68	7.65	4	49	30	85					0	0	0	0
		C		7.42Y	123.7	0.01	2.28	8.92	5	58	31	88					0	0	0	3
PL.29494	PL.3208	A	1/0EPRJCN	7.34Y	122.3	0.01	3.74	7.93	4	50	30	86	0.01	0.0	2.254	0.053	0	0	0	1
		B		7.46Y	124.3	0.01	1.69	7.65	4	49	30	85					0	0	0	0
		C		7.42Y	123.7	0.01	2.29	7.69	4	49	30	85					0	0	0	0
508413	PL.29494	A	Consumer	7.34Y	122.3	0.00	3.74	7.79	0	49	30	85	0.00	0.0	2.254	0.000	49	30	0	0
		B		7.46Y	124.3	0.00	1.69	7.67	0	49	30	85					49	30	0	0
		C		7.42Y	123.7	0.00	2.29	7.70	0	49	30	85					49	30	0	0
508411	PL.29494	A	Consumer	7.34Y	122.3	0.00	3.74	0.15	0	1	0	100	0.00	0.0	2.254	0.000	1	0	1	1
PL.31003	PL.3208	C	4ACSR	7.42Y	123.7	0.00	2.28	1.32	1	10	2	98	0.00	0.0	2.208	0.006	0	0	0	3
PD.178-A	PL.31003	C	Closed	7.42Y	123.7	0.00	2.28	1.32	0	10	2	98	0.00	0.0	2.208	0.000	0	0	0	3
PD.178-B	PD.178-A	C	Closed	7.42Y	123.7	0.00	2.28	1.32	0	10	2	98	0.00	0.0	2.208	0.000	0	0	0	3
PL.31004	PD.178-B	C	4ACSR	7.42Y	123.7	0.00	2.28	1.32	1	10	2	98	0.00	0.0	2.251	0.043	0	0	0	3
509401	PL.31004	C	Consumer	7.42Y	123.7	0.00	2.28	0.38	0	3	0	100	0.00	0.0	2.251	0.000	3	0	1	1
PL.7372	PL.31004	C	4ACSR	7.42Y	123.7	0.00	2.29	0.94	0	7	1	99	0.00	0.0	2.315	0.065	0	0	0	2
509404	PL.7372	C	Consumer	7.42Y	123.7	0.00	2.29	0.49	0	4	1	97	0.00	0.0	2.315	0.000	4	1	1	1
509403	PL.7372	C	Consumer	7.42Y	123.7	0.00	2.29	0.45	0	3	1	95	0.00	0.0	2.315	0.000	3	1	1	1
PL.15802	PL.15805	A	336ACSR	7.34Y	122.3	0.00	3.70	17.85	2	124	41	95	0.00	0.0	2.088	0.005	0	0	0	24
		B		7.46Y	124.3	0.00	1.65	8.06	1	56	22	93					0	0	0	13
		C		7.43Y	123.8	0.00	2.24	18.36	3	130	42	95					0	0	0	33
PD.174-A	PL.15802	A	Closed	7.34Y	122.3	0.00	3.70	17.85	0	124	41	95	0.00	0.0	2.088	0.000	0	0	0	24
		B		7.46Y	124.3	0.00	1.65	8.06	0	56	22	93					0	0	0	13
		C		7.43Y	123.8	0.00	2.24	18.36	0	130	42	95					0	0	0	33
PD.174-B	PD.174-A	A	Closed	7.34Y	122.3	0.00	3.70	17.85	0	124	41	95	0.00	0.0	2.088	0.000	0	0	0	24
		B		7.46Y	124.3	0.00	1.65	8.06	0	56	22	93					0	0	0	13
		C		7.43Y	123.8	0.00	2.24	18.36	0	130	42	95					0	0	0	33
PL.15803	PD.174-B	A	336ACSR	7.34Y	122.3	0.01	3.71	17.85	2	124	41	95	0.01	0.0	2.154	0.066	0	0	0	24
		B		7.46Y	124.3	0.00	1.65	8.06	1	56	22	93					0	0	0	13
		C		7.42Y	123.7	0.01	2.25	18.36	3	130	42	95					0	0	0	33
507404	PL.15803	A	Consumer	7.34Y	122.3	0.00	3.71	0.73	0	5	1	98	0.00	0.0	2.154	0.000	5	1	1	1
PL.12717	PL.15803	A	336ACSR	7.34Y	122.3	0.01	3.72	16.51	2	115	39	95	0.02	0.0	2.234	0.080	0	0	0	21
		B		7.46Y	124.3	0.00	1.66	8.06	1	56	22	93					0	0	0	13
		C		7.42Y	123.7	0.02	2.27	18.36	3	130	42	95					0	0	0	33
PL.24298	PL.12717	A	336ACSR	7.34Y	122.3	0.00	3.72	16.51	2	115	39	95	0.00	0.0	2.257	0.023	0	0	0	21
		B		7.46Y	124.3	0.00	1.66	7.89	1	55	21	93					0	0	0	11
		C		7.42Y	123.7	0.00	2.27	18.36	3	130	42	95					0	0	0	33
PL.12718	PL.24298	A	336ACSR	7.34Y	122.3	0.00	3.72	16.51	2	115	39	95	0.00	0.0	2.279	0.022	0	0	0	21
		B		7.46Y	124.3	0.00	1.66	7.89	1	55	21	93					0	0	0	11
		C		7.42Y	123.7	0.00	2.28	18.36	3	130	42	95					0	0	0	33
PL.12719	PL.12718	A	336ACSR	7.34Y	122.3	0.00	3.73	16.51	2	115	39	95	0.01	0.0	2.327	0.048	0	0	0	21
		B		7.46Y	124.3	0.00	1.66	7.89	1	55	21	93					0	0	0	11
		C		7.42Y	123.7	0.01	2.29	18.36	3	130	42	95					0	0	0	33

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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
509509	PL.12719	C	Consumer	7.42Y	123.7	0.00	2.29	1.75	0	12	6	89	0.00	0.0	2.327	0.000	12	6	1	1
509508	PL.12719	C	Consumer	7.42Y	123.7	0.00	2.29	0.05	0	0	0	100	0.00	0.0	2.327	0.000	0	0	1	1
PL.12245	PL.12719	A	336ACSR	7.34Y	122.3	0.01	3.73	16.51	2	115	39	95	0.01	0.0	2.378	0.052	0	0	0	21
		B		7.46Y	124.3	0.00	1.66	7.89	1	55	21	93					0	0	0	11
		C		7.42Y	123.7	0.01	2.29	10.13	1	70	28	93					0	0	0	14
PL.12246	PL.12245	A	336ACSR	7.34Y	122.3	0.01	3.74	14.35	2	99	37	94	0.01	0.0	2.431	0.053	0	0	0	18
		B		7.46Y	124.3	0.00	1.66	7.89	1	55	21	93					0	0	0	11
		C		7.42Y	123.7	0.01	2.30	10.02	1	69	28	93					0	0	0	13
509609	PL.12246	A	Consumer	7.34Y	122.3	0.00	3.74	0.17	0	1	1	71	0.00	0.0	2.431	0.000	1	1	1	1
509610	PL.12246	A	Consumer	7.34Y	122.3	0.00	3.74	2.38	0	16	8	89	0.00	0.0	2.431	0.000	16	8	1	1
509612	PL.12246	C	Consumer	7.42Y	123.7	0.00	2.30	0.00	0	0	0	100	0.00	0.0	2.431	0.000	0	0	1	1
509622	PL.12246	A	Consumer	7.34Y	122.3	0.00	3.74	0.68	0	4	2	89	0.00	0.0	2.431	0.000	4	2	1	1
PL.18238	PL.12246	A	336ACSR	7.34Y	122.3	0.00	3.74	9.65	1	67	22	95	0.00	0.0	2.459	0.028	0	0	0	11
		B		7.46Y	124.3	0.00	1.66	7.89	1	55	21	93					0	0	0	11
		C		7.42Y	123.7	0.00	2.30	10.02	1	69	28	93					0	0	0	12
PL.6522	PL.18238	A	336ACSR	7.34Y	122.3	0.00	3.74	9.65	1	67	22	95	0.00	0.0	2.474	0.015	0	0	0	11
		B		7.46Y	124.3	0.00	1.66	7.89	1	55	21	93					0	0	0	11
		C		7.42Y	123.7	0.00	2.30	10.02	1	69	28	93					0	0	0	12
PL.12764	PL.6522	A	336ACSR	7.34Y	122.3	0.00	3.75	9.65	1	67	22	95	0.00	0.0	2.498	0.023	0	0	0	11
		B		7.46Y	124.3	0.00	1.66	7.89	1	55	21	93					0	0	0	11
		C		7.42Y	123.7	0.00	2.31	10.02	1	69	28	93					0	0	0	12
510611	PL.12764	A	Consumer	7.34Y	122.3	0.00	3.75	0.39	0	3	0	100	0.00	0.0	2.498	0.000	3	0	1	1
510610	PL.12764	A	Consumer	7.34Y	122.3	0.00	3.75	0.00	0	0	0	100	0.00	0.0	2.498	0.000	0	0	0	0
PL.12765	PL.12764	A	336ACSR	7.34Y	122.3	0.00	3.75	7.64	1	54	16	96	0.00	0.0	2.523	0.026	0	0	0	10
		B		7.46Y	124.3	0.00	1.67	7.10	1	49	20	92					0	0	0	10
		C		7.42Y	123.7	0.00	2.31	5.37	1	36	17	91					0	0	0	4
PL.12763	PL.12765	A	336ACSR	7.34Y	122.3	0.00	3.75	4.87	1	34	11	95	0.00	0.0	2.535	0.011	0	0	0	9
		B		7.46Y	124.3	0.00	1.67	5.95	1	41	17	93					0	0	0	10
		C		7.42Y	123.7	0.00	2.31	4.22	1	28	13	91					0	0	0	4
PL.12761	PL.12763	A	336ACSR	7.34Y	122.3	0.00	3.75	4.87	1	34	11	95	0.00	0.0	2.571	0.036	0	0	0	9
		B		7.46Y	124.3	0.00	1.67	4.22	1	30	11	94					0	0	0	6
		C		7.42Y	123.7	0.00	2.31	4.22	1	28	13	91					0	0	0	4
PL.12762	PL.12761	A	336ACSR	7.34Y	122.3	0.00	3.75	2.74	0	19	6	95	0.00	0.0	2.608	0.037	0	0	0	5
		B		7.46Y	124.3	0.00	1.67	4.21	1	29	11	94					0	0	0	5
		C		7.42Y	123.7	0.00	2.31	4.22	1	28	13	91					0	0	0	4
PL.12760	PL.12762	A	336ACSR	7.34Y	122.3	0.00	3.75	2.25	0	16	5	95	0.00	0.0	2.620	0.012	0	0	0	4
		B		7.46Y	124.3	0.00	1.67	0.94	0	6	3	90					0	0	0	1
		C		7.42Y	123.7	0.00	2.31	3.73	1	25	12	91					0	0	0	4
511707	PL.12760	C	Consumer	7.42Y	123.7	0.00	2.31	0.23	0	2	0	100	0.00	0.0	2.620	0.000	2	0	1	1
511701	PL.12760	C	Consumer	7.42Y	123.7	0.00	2.31	0.55	0	4	2	89	0.00	0.0	2.620	0.000	4	2	1	1
510708	PL.12760	C	Consumer	7.42Y	123.7	0.00	2.31	2.01	0	13	7	88	0.00	0.0	2.620	0.000	13	7	1	1
PL.12759	PL.12760	A	336ACSR	7.34Y	122.3	0.00	3.75	2.25	0	16	5	95	0.00	0.0	2.636	0.016	0	0	0	4
		B		7.46Y	124.3	-0.00	1.67	0.94	0	6	3	90					0	0	0	1
		C		7.42Y	123.7	0.00	2.31	0.94	0	6	3	90					0	0	0	1
PL.12758	PL.12759	A	336ACSR	7.34Y	122.3	0.00	3.75	0.00	0	0	0	100	0.00	0.0	2.642	0.006	0	0	0	0
		B		7.46Y	124.3	0.00	1.67	0.00	0	0	0	100					0	0	0	0
		C		7.42Y	123.7	0.00	2.31	0.00	0	0	0	100					0	0	0	0
PD.3067-B	PL.12758	A	Open	7.34Y	122.3	0.00	3.75	0.00	0	0	0	100	0.00	0.0	2.642	0.000	0	0	0	0
		B		7.46Y	124.3	0.00	1.67	0.00	0	0	0	100					0	0	0	0
		C		7.42Y	123.7	0.00	2.31	0.00	0	0	0	100					0	0	0	0
510718	PL.12759	A	Consumer	7.34Y	122.3	0.00	3.75	0.50	0	3	2	83	0.00	0.0	2.636	0.000	3	2	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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
511720	PL.12759	A	Consumer	7.34Y	122.3	0.00	3.75	0.97	0	7	1	99	0.00	0.0	2.636	0.000	7	1	1	1
511719	PL.12759	B	Consumer	7.46Y	124.3	0.00	1.67	0.94	0	6	3	89	0.00	0.0	2.636	0.000	6	3	1	1
		C		7.42Y	123.7	0.00	2.31	0.94	0	6	3	90					6	3	1	1
511718	PL.12759	A	Consumer	7.34Y	122.3	0.00	3.75	0.39	0	3	0	100	0.00	0.0	2.636	0.000	3	0	1	1
511704	PL.12759	A	Consumer	7.34Y	122.3	0.00	3.75	0.42	0	3	1	95	0.00	0.0	2.636	0.000	3	1	1	1
PL.6525	PL.12762	A	4ACSR	7.33Y	122.2	0.00	3.75	0.50	0	3	2	83	0.00	0.0	2.664	0.055	0	0	0	1
		B		7.46Y	124.3	0.01	1.68	3.28	2	23	8	95					0	0	0	5
		C		7.42Y	123.7	-0.00	2.31	0.49	0	3	2	90					0	0	0	1
PL.7204	PL.6525	A	4ACSR	7.33Y	122.2	0.00	3.75	0.50	0	3	2	83	0.00	0.0	2.679	0.016	0	0	0	1
		B		7.46Y	124.3	0.00	1.68	1.92	1	14	3	97					0	0	0	3
		C		7.42Y	123.7	0.00	2.31	0.49	0	3	2	90					0	0	0	1
510717	PL.7204	A	Consumer	7.33Y	122.2	0.00	3.75	0.14	0	1	0	100	0.00	0.0	2.679	0.000	1	0	0	0
		B		7.46Y	124.3	0.00	1.68	0.14	0	1	0	90					1	0	0	0
		C		7.42Y	123.7	0.00	2.31	0.14	0	1	0	90					1	0	0	0
510731	PL.7204	B	Consumer	7.46Y	124.3	0.00	1.68	0.08	0	1	0	100	0.00	0.0	2.679	0.000	1	0	1	1
510707	PL.7204	A	Consumer	7.33Y	122.2	0.00	3.75	0.36	0	2	1	89	0.00	0.0	2.679	0.000	2	1	0	0
		B		7.46Y	124.3	0.00	1.68	0.35	0	2	1	90					2	1	0	0
		C		7.42Y	123.7	0.00	2.31	0.35	0	2	1	90					2	1	0	0
510729	PL.7204	B	Consumer	7.46Y	124.3	0.00	1.68	1.37	0	10	2	98	0.00	0.0	2.679	0.000	10	2	1	1
510724	PL.7204	B	Consumer	7.46Y	124.3	0.00	1.68	0.00	0	0	0	100	0.00	0.0	2.679	0.000	0	0	0	0
510730	PL.6525	B	Consumer	7.46Y	124.3	0.00	1.68	0.76	0	5	2	93	0.00	0.0	2.664	0.000	5	2	1	1
510716	PL.6525	C	Consumer	7.42Y	123.7	0.00	2.31	0.00	0	0	0	100	0.00	0.0	2.664	0.000	0	0	0	0
510706	PL.6525	B	Consumer	7.46Y	124.3	0.00	1.68	0.61	0	4	2	89	0.00	0.0	2.664	0.000	4	2	1	1
509626	PL.12761	B	Consumer	7.46Y	124.3	0.00	1.67	0.01	0	0	0	100	0.00	0.0	2.571	0.000	0	0	1	1
5107036	PL.12761	A	Consumer	7.34Y	122.3	0.00	3.75	0.00	0	0	0	100	0.00	0.0	2.571	0.000	0	0	0	0
510617	PL.12761	A	Consumer	7.34Y	122.3	0.00	3.75	1.03	0	7	3	92	0.00	0.0	2.571	0.000	7	3	1	1
510725	PL.12761	A	Consumer	7.34Y	122.3	0.00	3.75	0.00	0	0	0	100	0.00	0.0	2.571	0.000	0	0	0	0
510612	PL.12761	A	Consumer	7.34Y	122.3	0.00	3.75	0.30	0	2	0	100	0.00	0.0	2.571	0.000	2	0	1	1
511715	PL.12761	C	Consumer	7.42Y	123.7	0.00	2.31	0.00	0	0	0	100	0.00	0.0	2.571	0.000	0	0	0	0
510720	PL.12761	A	Consumer	7.34Y	122.3	0.00	3.75	0.81	0	6	1	99	0.00	0.0	2.571	0.000	6	1	1	1
510702	PL.12761	A	Consumer	7.34Y	122.3	0.00	3.75	0.02	0	0	0	100	0.00	0.0	2.571	0.000	0	0	1	1
510622	PL.12763	B	Consumer	7.46Y	124.3	0.00	1.67	0.27	0	2	1	89	0.00	0.0	2.535	0.000	2	1	1	1
510621	PL.12763	B	Consumer	7.46Y	124.3	0.00	1.67	0.84	0	6	3	89	0.00	0.0	2.535	0.000	6	3	1	1
510609	PL.12763	B	Consumer	7.46Y	124.3	0.00	1.67	0.00	0	0	0	100	0.00	0.0	2.535	0.000	0	0	0	0
510620	PL.12763	B	Consumer	7.46Y	124.3	0.00	1.67	0.00	0	0	0	100	0.00	0.0	2.535	0.000	0	0	0	0
510605	PL.12763	B	Consumer	7.46Y	124.3	0.00	1.67	0.42	0	3	1	95	0.00	0.0	2.535	0.000	3	1	1	1
510614	PL.12763	B	Consumer	7.46Y	124.3	0.00	1.67	0.19	0	1	1	71	0.00	0.0	2.535	0.000	1	1	1	1
PL.3446	PL.12765	C	4ACSR	7.42Y	123.7	0.00	2.31	0.00	0	0	0	100	0.00	0.0	2.551	0.028	0	0	0	0
510615	PL.12765	A	Consumer	7.34Y	122.3	0.00	3.75	1.17	0	8	4	89	0.00	0.0	2.523	0.000	8	4	0	0
		B		7.46Y	124.3	0.00	1.67	1.15	0	8	4	90					8	4	0	0
		C		7.42Y	123.7	0.00	2.31	1.16	0	8	4	90					8	4	0	0
510623	PL.12765	A	Consumer	7.34Y	122.3	0.00	3.75	1.63	0	12	2	99	0.00	0.0	2.523	0.000	12	2	1	1
PL.6523	PL.12764	A	336ACSR	7.34Y	122.3	-0.00	3.75	1.65	0	11	5	91	0.00	0.0	2.534	0.036	0	0	0	1
		B		7.46Y	124.3	0.00	1.66	0.81	0	6	1	99					0	0	0	1
		C		7.42Y	123.7	0.00	2.31	4.66	1	33	11	94					0	0	0	8

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.6524	PL.6523	A	336ACSR	7.34Y	122.3	-0.00	3.74	1.65	0	11	5	91	0.00	0.0	2.562	0.028	0	0	0	1
		B		7.46Y	124.3	0.00	1.67	0.81	0	6	1	99					0	0	0	1
		C		7.42Y	123.7	0.00	2.31	4.66	1	33	11	94					0	0	0	8
PL.40418	PL.6524	A	336ACSR	7.34Y	122.3	-0.00	3.74	1.65	0	11	5	91	0.00	0.0	2.597	0.036	0	0	0	1
		B		7.46Y	124.3	0.00	1.67	0.81	0	6	1	99					0	0	0	1
		C		7.42Y	123.7	0.00	2.31	4.66	1	33	11	94					0	0	0	8
509620	PL.40418	C	Consumer	7.42Y	123.7	0.00	2.31	0.00	0	0	0	100	0.00	0.0	2.597	0.000	0	0	0	0
509705	PL.40418	C	Consumer	7.42Y	123.7	0.00	2.31	0.65	0	5	1	98	0.00	0.0	2.597	0.000	5	1	1	1
509708	PL.40418	C	Consumer	7.42Y	123.7	0.00	2.31	1.10	0	7	4	87	0.00	0.0	2.597	0.000	7	4	1	1
509706	PL.40418	C	Consumer	7.42Y	123.7	0.00	2.31	0.21	0	2	0	100	0.00	0.0	2.597	0.000	2	0	1	1
509703	PL.40418	C	Consumer	7.42Y	123.7	0.00	2.31	0.35	0	3	0	100	0.00	0.0	2.597	0.000	3	0	1	1
509702	PL.40418	C	Consumer	7.42Y	123.7	0.00	2.31	0.49	0	4	1	97	0.00	0.0	2.597	0.000	4	1	1	1
509709	PL.40418	C	Consumer	7.42Y	123.7	0.00	2.31	0.08	0	1	0	100	0.00	0.0	2.597	0.000	1	0	1	1
509619	PL.40418	A	Consumer	7.34Y	122.3	0.00	3.74	1.65	0	11	5	91	0.00	0.0	2.597	0.000	11	5	1	1
		C		7.42Y	123.7	0.00	2.31	1.63	0	11	5	90					11	5	1	1
509704	PL.40418	C	Consumer	7.42Y	123.7	0.00	2.31	0.20	0	1	0	100	0.00	0.0	2.597	0.000	1	0	1	1
509707	PL.40418	B	Consumer	7.46Y	124.3	0.00	1.67	0.81	0	6	1	99	0.00	0.0	2.597	0.000	6	1	1	1
PL.7359	PL.12246	A	4ACSR	7.34Y	122.3	0.00	3.74	1.49	1	10	4	93	0.00	0.0	2.448	0.016	0	0	0	3
509615	PL.7359	A	Consumer	7.34Y	122.3	0.00	3.74	0.73	0	5	2	93	0.00	0.0	2.448	0.000	5	2	1	1
509601	PL.7359	A	Consumer	7.34Y	122.3	0.00	3.74	0.48	0	3	2	83	0.00	0.0	2.448	0.000	3	2	1	1
PL.7360	PL.7359	A	4ACSR	7.34Y	122.3	0.00	3.74	0.28	0	2	0	100	0.00	0.0	2.453	0.006	0	0	0	1
PL.3447	PL.7360	A	4ACSR	7.34Y	122.3	0.00	3.74	0.28	0	2	0	100	0.00	0.0	2.497	0.044	0	0	0	1
510601	PL.3447	A	Consumer	7.34Y	122.3	0.00	3.74	0.28	0	2	0	100	0.00	0.0	2.497	0.000	2	0	1	1
509507	PL.12245	A	Consumer	7.34Y	122.3	0.00	3.73	0.67	0	5	1	98	0.00	0.0	2.378	0.000	5	1	1	1
509506	PL.12245	A	Consumer	7.34Y	122.3	0.00	3.73	0.47	0	3	1	95	0.00	0.0	2.378	0.000	3	1	1	1
509504	PL.12245	C	Consumer	7.42Y	123.7	0.00	2.29	0.11	0	1	0	100	0.00	0.0	2.378	0.000	1	0	1	1
5095010	PL.12245	A	Consumer	7.34Y	122.3	0.00	3.73	1.06	0	8	1	99	0.00	0.0	2.378	0.000	8	1	1	1
PL.7370	PL.12719	C	4ACSR	7.42Y	123.7	0.00	2.29	6.55	3	48	8	99	0.00	0.0	2.332	0.005	0	0	0	17
509502	PL.7370	C	Consumer	7.42Y	123.7	0.00	2.29	0.48	0	3	1	95	0.00	0.0	2.332	0.000	3	1	1	1
PL.12242	PL.7370	C	4ACSR	7.42Y	123.7	0.01	2.30	6.07	3	44	7	99	0.00	0.0	2.376	0.044	0	0	0	16
PL.12243	PL.12242	C	4ACSR	7.42Y	123.7	0.00	2.30	0.00	0	0	0	100	0.00	0.0	2.434	0.058	0	0	0	2
PL.3213	PL.12243	C	4ACSR	7.42Y	123.7	0.00	2.30	0.00	0	0	0	100	0.00	0.0	2.531	0.097	0	0	0	2
PL.40723	PL.3213	C	4ACSR	7.42Y	123.7	0.00	2.30	0.00	0	0	0	100	0.00	0.0	2.582	0.052	0	0	0	1
507601	PL.40723	C	Consumer	7.42Y	123.7	0.00	2.30	0.00	0	0	0	100	0.00	0.0	2.582	0.000	0	0	1	1
508701	PL.3213	C	Consumer	7.42Y	123.7	0.00	2.30	0.00	0	0	0	100	0.00	0.0	2.531	0.000	0	0	1	1
PL.40724	PL.3213	C	2ACSR	7.42Y	123.7	0.00	2.30	0.00	0	0	0	100	0.00	0.0	2.627	0.096	0	0	0	0
5087002	PL.40724	C	Consumer	7.42Y	123.7	0.00	2.30	0.00	0	0	0	100	0.00	0.0	2.627	0.000	0	0	0	0
PL.19788	PL.12242	C	4ACSR	7.42Y	123.7	0.01	2.32	3.69	2	27	4	99	0.00	0.0	2.462	0.086	0	0	0	9
PL.30931	PL.19788	C	4ACSR	7.42Y	123.7	0.00	2.32	2.71	1	20	3	99	0.00	0.0	2.472	0.010	0	0	0	7
509616	PL.30931	C	Consumer	7.42Y	123.7	0.00	2.32	0.83	0	6	1	99	0.00	0.0	2.472	0.000	6	1	1	1
509623	PL.30931	C	Consumer	7.42Y	123.7	0.00	2.32	0.00	0	0	0	100	0.00	0.0	2.472	0.000	0	0	1	1

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
5096027	PL.30931	C	Consumer	7.42Y	123.7	0.00	2.32	0.63	0	5	1	98	0.00	0.0	2.472	0.000	5	1	1	1
509614	PL.30931	C	Consumer	7.42Y	123.7	0.00	2.32	0.30	0	2	0	100	0.00	0.0	2.472	0.000	2	0	1	1
PL.30932	PL.30931	C	4ACSR	7.42Y	123.7	0.00	2.32	0.95	0	7	1	99	0.00	0.0	2.484	0.012	0	0	0	3
509605	PL.30932	C	Consumer	7.42Y	123.7	0.00	2.32	0.07	0	1	0	100	0.00	0.0	2.484	0.000	1	0	1	1
509613	PL.30932	C	Consumer	7.42Y	123.7	0.00	2.32	0.51	0	4	1	97	0.00	0.0	2.484	0.000	4	1	1	1
509621	PL.30932	C	Consumer	7.42Y	123.7	0.00	2.32	0.37	0	3	0	100	0.00	0.0	2.484	0.000	3	0	1	1
509608	PL.19788	C	Consumer	7.42Y	123.7	0.00	2.32	0.27	0	2	0	100	0.00	0.0	2.462	0.000	2	0	1	1
509624	PL.19788	C	Consumer	7.42Y	123.7	0.00	2.32	0.71	0	5	1	98	0.00	0.0	2.462	0.000	5	1	1	1
PL.7373	PL.12242	C	4ACSR	7.42Y	123.7	0.00	2.31	2.29	1	17	3	98	0.00	0.0	2.412	0.036	0	0	0	4
508504	PL.7373	C	Consumer	7.42Y	123.7	0.00	2.31	1.02	0	7	1	99	0.00	0.0	2.412	0.000	7	1	1	1
PL.5796	PL.7373	C	4ACSR	7.42Y	123.7	0.00	2.31	1.27	1	9	1	99	0.00	0.0	2.434	0.022	0	0	0	3
508501	PL.5796	C	Consumer	7.42Y	123.7	0.00	2.31	0.53	0	4	1	97	0.00	0.0	2.434	0.000	4	1	1	1
508503	PL.5796	C	Consumer	7.42Y	123.7	0.00	2.31	0.69	0	5	1	98	0.00	0.0	2.434	0.000	5	1	1	1
508502	PL.5796	C	Consumer	7.42Y	123.7	0.00	2.31	0.05	0	0	0	100	0.00	0.0	2.434	0.000	0	0	1	1
509503	PL.12242	C	Consumer	7.42Y	123.7	0.00	2.30	0.08	0	1	0	100	0.00	0.0	2.376	0.000	1	0	1	1
508403	PL.12717	B	Consumer	7.46Y	124.3	0.00	1.66	0.17	0	1	0	100	0.00	0.0	2.234	0.000	1	0	1	1
508412	PL.12717	B	Consumer	7.46Y	124.3	0.00	1.66	0.00	0	0	0	100	0.00	0.0	2.234	0.000	0	0	1	1
PL.3211	PL.15803	A	4ACSR	7.34Y	122.3	0.00	3.71	0.63	0	5	1	98	0.00	0.0	2.239	0.086	0	0	0	2
508405	PL.3211	A	Consumer	7.34Y	122.3	0.00	3.71	0.15	0	1	0	100	0.00	0.0	2.239	0.000	1	0	1	1
508406	PL.3211	A	Consumer	7.34Y	122.3	0.00	3.71	0.48	0	3	1	95	0.00	0.0	2.239	0.000	3	1	1	1
PL.3212	PL.15803	A	4ACSR	7.34Y	122.3	0.00	3.71	0.00	0	0	0	100	0.00	0.0	2.196	0.042	0	0	0	0
507316	PL.15805	C	Consumer	7.43Y	123.8	0.00	2.24	0.79	0	6	1	99	0.00	0.0	2.083	0.000	6	1	1	1
507304	PL.15805	C	Consumer	7.43Y	123.8	0.00	2.24	0.84	0	6	1	99	0.00	0.0	2.083	0.000	6	1	1	1
507315	PL.15805	C	Consumer	7.43Y	123.8	0.00	2.24	0.35	0	3	0	100	0.00	0.0	2.083	0.000	3	0	1	1
507308	PL.15805	C	Consumer	7.43Y	123.8	0.00	2.24	2.15	0	14	7	89	0.00	0.0	2.083	0.000	14	7	1	1
507325	PL.12714	B	Consumer	7.46Y	124.4	0.00	1.65	0.00	0	0	0	100	0.00	0.0	2.054	0.000	0	0	1	1
507317	PL.12714	B	Consumer	7.46Y	124.4	0.00	1.65	0.87	0	6	3	89	0.00	0.0	2.054	0.000	6	3	1	1
507201	PL.20197	B	Consumer	7.46Y	124.4	0.00	1.63	0.33	0	2	0	100	0.00	0.0	1.943	0.000	2	0	1	1
507207	PL.20197	B	Consumer	7.46Y	124.4	0.00	1.63	0.47	0	3	1	95	0.00	0.0	1.943	0.000	3	1	1	1
507202	PL.20197	B	Consumer	7.46Y	124.4	0.00	1.63	0.38	0	3	0	100	0.00	0.0	1.943	0.000	3	0	1	1
507203	PL.20197	B	Consumer	7.46Y	124.4	0.00	1.63	0.12	0	1	0	100	0.00	0.0	1.943	0.000	1	0	1	1
628019	PL.12708	A	Consumer	7.35Y	122.5	0.00	3.48	1.44	0	10	5	89	0.00	0.0	1.802	0.000	10	5	0	0
		B		7.46Y	124.4	0.00	1.63	1.41	0	10	5	90					10	5	0	0
		C		7.44Y	124.0	0.00	2.05	1.42	0	10	5	90					10	5	0	0
6280024	PL.12708	B	Consumer	7.46Y	124.4	0.00	1.63	0.05	0	0	0	100	0.00	0.0	1.802	0.000	0	0	1	1
507101	PL.12708	A	Consumer	7.35Y	122.5	0.00	3.48	0.00	0	0	0	100	0.00	0.0	1.802	0.000	0	0	0	0
		B		7.46Y	124.4	0.00	1.63	0.00	0	0	0	100					0	0	0	0
		C		7.44Y	124.0	0.00	2.05	0.00	0	0	0	100					0	0	0	0
PL.16217	PL.20753	A	4/0ACSR	7.35Y	122.6	0.00	3.44	1.71	0	11	5	91	0.00	0.0	1.767	0.006	0	0	0	0
		B		7.46Y	124.4	0.00	1.63	1.69	0	11	5	90					0	0	0	0
		C		7.44Y	124.0	0.00	2.01	1.69	0	11	5	90					0	0	0	0

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.2927	PL.16217	A	fuse6AMP	7.35Y	122.6	0.00	3.44	1.71	29	11	5	91	0.00	0.0	1.767	0.000	0	0	0	0
		B		7.46Y	124.4	0.00	1.63	1.69	29	11	5	90					0	0	0	0
		C		7.44Y	124.0	0.00	2.01	1.69	29	11	5	90					0	0	0	0
PL.16218	PD.2927	A	4/0ACSR	7.35Y	122.6	0.00	3.44	1.71	0	11	5	91	0.00	0.0	1.825	0.058	0	0	0	0
		B		7.46Y	124.4	0.00	1.64	1.69	0	11	5	90					0	0	0	0
		C		7.44Y	124.0	0.00	2.02	1.69	0	11	5	90					0	0	0	0
627004	PL.16218	A	Consumer	7.35Y	122.6	0.00	3.44	1.71	0	11	5	91	0.00	0.0	1.825	0.000	11	5	0	0
		B		7.46Y	124.4	0.00	1.64	1.69	0	11	5	90					11	5	0	0
		C		7.44Y	124.0	0.00	2.02	1.69	0	11	5	90					11	5	0	0
PL.12699	PL.12698	A	4/0ACSR	7.36Y	122.6	0.00	3.35	2.93	1	18	11	85	0.01	0.0	1.715	0.028	0	0	0	0
		B		7.46Y	124.4	0.01	1.64	20.46	4	137	68	89					0	0	0	6
		C		7.44Y	124.1	-0.00	1.95	4.81	1	32	16	90					0	0	0	3
PL.28982	PL.12699	A	4/0ACSR	7.36Y	122.6	0.00	3.35	2.93	1	18	11	85	0.01	0.0	1.747	0.033	0	0	0	0
		B		7.46Y	124.3	0.01	1.65	20.46	4	137	68	89					0	0	0	6
		C		7.44Y	124.1	-0.00	1.95	4.00	1	26	15	87					0	0	0	2
PL.28983	PL.28982	A	4/0ACSR	7.36Y	122.6	0.00	3.36	0.00	0	0	0	100	0.00	0.0	1.755	0.008	0	0	0	0
		B		7.46Y	124.3	0.00	1.65	17.59	4	118	57	90					0	0	0	6
		C		7.44Y	124.1	-0.00	1.94	1.11	0	7	3	91					0	0	0	2
PL.21159	PL.28983	A	4/0ACSR	7.36Y	122.6	0.00	3.36	0.00	0	0	0	100	0.01	0.0	1.788	0.033	0	0	0	0
		B		7.46Y	124.3	0.01	1.66	15.83	3	106	51	90					0	0	0	5
		C		7.44Y	124.1	-0.00	1.94	1.11	0	7	3	91					0	0	0	2
PL.12700	PL.21159	A	4/0ACSR	7.36Y	122.6	0.00	3.36	0.00	0	0	0	100	0.00	0.0	1.812	0.024	0	0	0	0
		B		7.46Y	124.3	0.01	1.67	15.83	3	106	51	90					0	0	0	5
		C		7.44Y	124.1	-0.00	1.94	0.00	0	0	0	100					0	0	0	0
PL.20560	PL.12700	A	4/0ACSR	7.36Y	122.6	0.00	3.36	0.00	0	0	0	100	0.00	0.0	1.818	0.006	0	0	0	0
		B		7.46Y	124.3	0.00	1.67	15.83	3	106	51	90					0	0	0	5
		C		7.44Y	124.1	-0.00	1.94	0.00	0	0	0	100					0	0	0	0
629003	PL.20560	B	Consumer	7.46Y	124.3	0.00	1.67	1.50	0	10	5	89	0.00	0.0	1.818	0.000	10	5	1	1
PL.30975	PL.20560	B	4ACSR	7.46Y	124.3	0.00	1.68	14.23	7	96	46	90	0.00	0.0	1.826	0.008	0	0	0	3
C PD.2934	PL.30975	B	fuse6AMP	7.46Y	124.3	0.00	1.68	14.23	243	95	46	90	0.00	0.0	1.826	0.000	0	0	0	3 C
PL.30976	PD.2934	B	4ACSR	7.46Y	124.3	0.04	1.71	14.23	7	95	46	90	0.03	0.0	1.879	0.053	0	0	0	3
629004	PL.30976	B	Consumer	7.46Y	124.3	0.00	1.71	5.79	0	39	19	90	0.00	0.0	1.879	0.000	39	19	1	1
629002	PL.30976	B	Consumer	7.46Y	124.3	0.00	1.71	2.90	0	19	9	90	0.00	0.0	1.879	0.000	19	9	1	1
629001	PL.30976	B	Consumer	7.46Y	124.3	0.00	1.71	5.54	0	37	18	90	0.00	0.0	1.879	0.000	37	18	1	1
PL.12701	PL.20560	A	4/0ACSR	7.36Y	122.6	0.00	3.36	0.00	0	0	0	100	0.00	0.0	1.952	0.134	0	0	0	0
		B		7.46Y	124.3	0.00	1.67	0.11	0	1	0	99					0	0	0	1
		C		7.44Y	124.1	-0.00	1.94	0.00	0	0	0	100					0	0	0	0
620001	PL.12701	B	Consumer	7.46Y	124.3	0.00	1.67	0.11	0	1	0	100	0.00	0.0	1.952	0.000	1	0	1	1
PL.3861	PL.21159	C	1/0EPRJCN	7.44Y	124.1	0.00	1.94	1.11	1	7	3	92	0.00	0.0	1.828	0.040	0	0	0	2
629005	PL.3861	C	Consumer	7.44Y	124.1	0.00	1.94	1.12	0	7	4	87	0.00	0.0	1.828	0.000	0	0	1	2
6290007	629005	C	Consumer	7.44Y	124.1	0.00	1.94	1.12	0	7	4	87	0.00	0.0	1.828	0.000	7	4	1	1
628021	PL.28983	B	Consumer	7.46Y	124.3	0.00	1.65	1.75	0	12	6	89	0.00	0.0	1.755	0.000	12	6	1	1
628023	PL.28982	A	Consumer	7.36Y	122.6	0.00	3.35	2.93	0	18	11	85	0.00	0.0	1.747	0.000	18	11	0	0
		B		7.46Y	124.3	0.00	1.65	2.89	0	18	11	85					18	11	0	0
		C		7.44Y	124.1	0.00	1.95	2.90	0	18	11	85					18	11	0	0
PL.24337	PL.12699	C	4ACSR	7.44Y	124.0	0.00	1.95	0.86	0	6	1	99	0.00	0.0	1.772	0.057	0	0	0	1
628008	PL.24337	C	Consumer	7.44Y	124.0	0.00	1.95	0.86	0	6	1	99	0.00	0.0	1.772	0.000	6	1	1	1
PL.16209	PL.12698	C	4ACSR	7.44Y	124.0	0.00	1.95	1.76	1	13	3	97	0.00	0.0	1.687	0.001	0	0	0	6
PD.2923	PL.16209	C	fuse8AMP	7.44Y	124.0	0.00	1.95	1.76	24	13	3	97	0.00	0.0	1.687	0.000	0	0	0	6

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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.16208	PD.2923	C	4ACSR	7.44Y	124.0	0.00	1.95	1.76	1	13	3	97	0.00	0.0	1.693	0.006	0	0	0	6
628001	PL.16208	C	Consumer	7.44Y	124.0	0.00	1.95	0.00	0	0	0	100	0.00	0.0	1.693	0.000	0	0	1	1
628017	PL.16208	C	Consumer	7.44Y	124.0	0.00	1.95	0.23	0	2	1	89	0.00	0.0	1.693	0.000	2	1	1	1
PL.12702	PL.16208	C	4ACSR	7.44Y	124.0	0.00	1.96	1.53	1	11	2	98	0.00	0.0	1.759	0.066	0	0	0	4
PL.16212	PL.12702	C	4ACSR	7.44Y	124.0	0.00	1.96	0.00	0	0	0	100	0.00	0.0	1.765	0.006	0	0	0	0
PD.2357-B	PL.16212	C	Open	7.44Y	124.0	0.00	1.96	0.00	0	0	0	100	0.00	0.0	1.765	0.000	0	0	0	0
PL.38915	PL.12702	C	4ACSR	7.44Y	124.0	0.00	1.96	0.00	0	0	0	100	0.00	0.0	1.762	0.003	0	0	0	0
PD.6767	PL.38915	C	fuse6AMP	7.44Y	124.0	0.00	1.96	0.00	0	0	0	100	0.00	0.0	1.762	0.000	0	0	0	0
PL.38916	PD.6767	C	4ACSR	7.44Y	124.0	0.00	1.96	0.00	0	0	0	100	0.00	0.0	1.822	0.060	0	0	0	0
627003	PL.12702	C	Consumer	7.44Y	124.0	0.00	1.96	0.28	0	2	0	100	0.00	0.0	1.759	0.000	2	0	1	1
627007	PL.12702	C	Consumer	7.44Y	124.0	0.00	1.96	0.20	0	1	0	100	0.00	0.0	1.759	0.000	1	0	1	1
627001	PL.12702	C	Consumer	7.44Y	124.0	0.00	1.96	0.10	0	1	0	100	0.00	0.0	1.759	0.000	1	0	1	1
627008	PL.12702	C	Consumer	7.44Y	124.0	0.00	1.96	0.95	0	7	1	99	0.00	0.0	1.759	0.000	7	1	1	1
627912	PL.7279	B	Consumer	7.46Y	124.4	0.00	1.61	0.67	0	5	1	98	0.00	0.0	1.652	0.000	5	1	1	1
6279025	PL.7279	B	Consumer	7.46Y	124.4	0.00	1.61	0.00	0	0	0	100	0.00	0.0	1.652	0.000	0	0	0	0
PL.16206	PL.12642	A	4/0ACSR	7.36Y	122.7	0.00	3.26	2.07	0	14	6	92	0.00	0.0	1.616	0.006	0	0	0	1
		B		7.46Y	124.4	0.00	1.59	4.91	1	34	13	93					0	0	0	8
		C		7.45Y	124.1	0.00	1.89	3.01	1	21	7	95					0	0	0	5
PD.2916	PL.16206	A	fuse10AMP	7.36Y	122.7	0.00	3.26	2.07	22	14	6	92	0.00	0.0	1.616	0.000	0	0	0	1
		B		7.46Y	124.4	0.00	1.59	4.91	51	34	13	93					0	0	0	8
		C		7.45Y	124.1	0.00	1.89	3.01	31	21	7	95					0	0	0	5
PL.16207	PD.2916	A	4/0ACSR	7.36Y	122.7	0.00	3.26	2.07	0	14	6	92	0.00	0.0	1.629	0.013	0	0	0	1
		B		7.46Y	124.4	0.00	1.60	4.91	1	34	13	93					0	0	0	8
		C		7.45Y	124.1	0.00	1.89	3.01	1	21	7	95					0	0	0	5
627901	PL.16207	A	Consumer	7.36Y	122.7	0.00	3.26	0.57	0	4	1	97	0.00	0.0	1.629	0.000	4	1	1	1
627902	PL.16207	C	Consumer	7.45Y	124.1	0.00	1.89	0.07	0	0	0	100	0.00	0.0	1.629	0.000	0	0	1	1
PL.12696	PL.16207	A	4/0ACSR	7.36Y	122.7	0.00	3.26	1.52	0	10	5	89	0.00	0.0	1.636	0.007	0	0	0	0
		B		7.46Y	124.4	0.00	1.60	4.91	1	34	13	93					0	0	0	8
		C		7.45Y	124.1	0.00	1.89	2.94	1	21	7	95					0	0	0	4
627910	PL.12696	A	Consumer	7.36Y	122.7	0.00	3.26	1.52	0	10	5	89	0.00	0.0	1.636	0.000	10	5	0	0
		B		7.46Y	124.4	0.00	1.60	1.50	0	10	5	90					10	5	0	0
		C		7.45Y	124.1	0.00	1.89	1.50	0	10	5	90					10	5	0	0
PL.12697	PL.12696	A	4/0ACSR	7.36Y	122.7	-0.00	3.26	0.00	0	0	0	100	0.00	0.0	1.644	0.008	0	0	0	0
		B		7.46Y	124.4	0.00	1.60	3.42	1	24	8	95					0	0	0	8
		C		7.45Y	124.1	-0.00	1.89	1.47	0	11	2	99					0	0	0	4
PL.27715	PL.12697	B	4ACSR	7.46Y	124.4	0.00	1.60	2.30	1	16	7	92	0.00	0.0	1.650	0.006	0	0	0	4
PD.2924	PL.27715	B	fuse6AMP	7.46Y	124.4	0.00	1.60	2.30	39	16	7	92	0.00	0.0	1.650	0.000	0	0	0	4
PL.27714	PD.2924	B	4ACSR	7.46Y	124.4	0.00	1.60	2.30	1	16	7	92	0.00	0.0	1.670	0.020	0	0	0	4
PL.6949	PL.27714	B	4ACSR	7.46Y	124.4	0.00	1.60	2.30	1	16	7	92	0.00	0.0	1.702	0.031	0	0	0	4
PL.6948	PL.6949	B	4ACSR	7.46Y	124.4	0.00	1.60	2.17	1	15	6	93	0.00	0.0	1.712	0.011	0	0	0	3
627801	PL.6948	B	Consumer	7.46Y	124.4	0.00	1.60	0.52	0	4	2	89	0.00	0.0	1.712	0.000	4	2	1	1
627805	PL.6948	B	Consumer	7.46Y	124.4	0.00	1.60	0.32	0	2	0	100	0.00	0.0	1.712	0.000	2	0	1	1
627808	PL.6948	B	Consumer	7.46Y	124.4	0.00	1.60	1.34	0	9	4	91	0.00	0.0	1.712	0.000	9	4	1	1
627807	PL.6949	B	Consumer	7.46Y	124.4	0.00	1.60	0.13	0	1	0	100	0.00	0.0	1.702	0.000	1	0	1	1

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Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PL.6950	PL.12697	B	4ACSR	7.46Y	124.4	0.00	1.60	1.15	1	8	1	99	0.00	0.0	1.692	0.048	0	0	0	4	
627911	PL.6950	B	Consumer	7.46Y	124.4	0.00	1.60	0.65	0	5	1	98	0.00	0.0	1.692	0.000	5	1	1	1	
PL.6951	PL.6950	B	4ACSR	7.46Y	124.4	0.00	1.60	0.50	0	4	1	97	0.00	0.0	1.766	0.074	0	0	0	3	
628909	PL.6951	B	Consumer	7.46Y	124.4	0.00	1.60	0.02	0	0	0	100	0.00	0.0	1.766	0.000	0	0	1	1	
628901	PL.6951	B	Consumer	7.46Y	124.4	0.00	1.60	0.00	0	0	0	100	0.00	0.0	1.766	0.000	0	0	1	1	
628907	PL.6951	B	Consumer	7.46Y	124.4	0.00	1.60	0.48	0	4	1	97	0.00	0.0	1.766	0.000	4	1	1	1	
PL.27716	PL.12697	C	4ACSR	7.45Y	124.1	0.00	1.89	1.47	1	11	2	98	0.00	0.0	1.649	0.005	0	0	0	4	
PD.2925	PL.27716	C	fuse6AMP	7.45Y	124.1	0.00	1.89	1.47	25	11	2	98	0.00	0.0	1.649	0.000	0	0	0	4	
PL.27717	PD.2925	C	4ACSR	7.45Y	124.1	0.00	1.89	1.47	1	11	2	98	0.00	0.0	1.690	0.041	0	0	0	4	
PL.24328	PL.27717	C	4ACSR	7.45Y	124.1	0.00	1.89	0.57	0	4	1	97	0.00	0.0	1.819	0.129	0	0	0	1	
628904	PL.24328	C	Consumer	7.45Y	124.1	0.00	1.89	0.00	0	0	0	100	0.00	0.0	1.819	0.000	0	0	0	0	
628906	PL.24328	C	Consumer	7.45Y	124.1	0.00	1.89	0.57	0	4	1	97	0.00	0.0	1.819	0.000	4	1	1	1	
PL.24336	PL.27717	C	4ACSR	7.45Y	124.1	0.00	1.89	0.90	0	7	1	99	0.00	0.0	1.701	0.011	0	0	0	3	
627907	PL.24336	C	Consumer	7.45Y	124.1	0.00	1.89	0.01	0	0	0	100	0.00	0.0	1.701	0.000	0	0	1	1	
628018	PL.24336	C	Consumer	7.45Y	124.1	0.00	1.89	0.00	0	0	0	100	0.00	0.0	1.701	0.000	0	0	0	0	
627903	PL.24336	C	Consumer	7.45Y	124.1	0.00	1.89	0.21	0	2	0	100	0.00	0.0	1.701	0.000	2	0	1	1	
627905	PL.24336	C	Consumer	7.45Y	124.1	0.00	1.89	0.00	0	0	0	100	0.00	0.0	1.701	0.000	0	0	0	0	
627908	PL.24336	C	Consumer	7.45Y	124.1	0.00	1.89	0.68	0	5	1	98	0.00	0.0	1.701	0.000	5	1	1	1	
PL.24338	PL.12642	B	4ACSR	7.46Y	124.4	0.00	1.59	0.43	0	3	1	95	0.00	0.0	1.622	0.012	0	0	0	1	
626906	PL.24338	B	Consumer	7.46Y	124.4	0.00	1.59	0.00	0	0	0	100	0.00	0.0	1.622	0.000	0	0	0	0	
626903	PL.24338	B	Consumer	7.46Y	124.4	0.00	1.59	0.00	0	0	0	100	0.00	0.0	1.622	0.000	0	0	0	0	
626905	PL.24338	B	Consumer	7.46Y	124.4	0.00	1.59	0.00	0	0	0	100	0.00	0.0	1.622	0.000	0	0	0	0	
626902	PL.24338	B	Consumer	7.46Y	124.4	0.00	1.59	0.43	0	3	1	95	0.00	0.0	1.622	0.000	3	1	1	1	
P CP.24	PL.19376	A	Cap (150)	7.38Y	122.9	0.00	3.07	-7.11	0	0	-52	0	0.00	0.0	1.454	0.000	0	0	0	0	P
		B		7.47Y	124.5	0.00	1.49	-7.21	0	0	-54	0					0	0	0	0	
		C		7.45Y	124.2	0.00	1.75	-7.19	0	0	-54	0					0	0	0	0	
627702	PL.26229	B	Consumer	7.48Y	124.6	0.00	1.41	0.55	0	4	1	97	0.00	0.0	1.354	0.000	4	1	1	1	
627601	PL.26229	B	Consumer	7.48Y	124.6	0.00	1.41	0.24	0	2	0	100	0.00	0.0	1.354	0.000	2	0	1	1	
PL.24340	PL.15965	C	4ACSR	7.46Y	124.3	0.00	1.65	0.40	0	3	1	95	0.00	0.0	1.370	0.055	0	0	0	3	
626709	PL.24340	C	Consumer	7.46Y	124.3	0.00	1.65	0.39	0	3	1	95	0.00	0.0	1.370	0.000	3	1	1	1	
626705	PL.24340	C	Consumer	7.46Y	124.3	0.00	1.65	0.00	0	0	0	100	0.00	0.0	1.370	0.000	0	0	1	1	
626710	PL.24340	C	Consumer	7.46Y	124.3	0.00	1.65	0.01	0	0	0	100	0.00	0.0	1.370	0.000	0	0	1	1	
626620	PL.19038	B	Consumer	7.48Y	124.7	0.00	1.27	0.00	0	0	0	100	0.00	0.0	1.195	0.000	0	0	1	1	
626617	PL.19038	B	Consumer	7.48Y	124.7	0.00	1.27	0.20	0	1	1	71	0.00	0.0	1.195	0.000	1	1	1	1	
626607	PL.19038	B	Consumer	7.48Y	124.7	0.00	1.27	0.32	0	2	0	100	0.00	0.0	1.195	0.000	2	0	1	1	
626619	PL.19038	B	Consumer	7.48Y	124.7	0.00	1.27	0.00	0	0	0	100	0.00	0.0	1.195	0.000	0	0	0	0	
6266022	PL.19038	B	Consumer	7.48Y	124.7	0.00	1.27	0.00	0	0	0	100	0.00	0.0	1.195	0.000	0	0	1	1	
626618	PL.19038	B	Consumer	7.48Y	124.7	0.00	1.27	0.17	0	1	1	71	0.00	0.0	1.195	0.000	1	1	1	1	
PL.15970	PL.16203	B	4ACSR	7.50Y	125.1	0.00	0.92	0.37	0	3	0	100	0.00	0.0	0.847	0.006	0	0	0	1	

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

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.2914	PL.15970	B	fuse6AMP	7.50Y	125.1	0.00	0.92	0.37	6	3	0	100	0.00	0.0	0.847	0.000	0	0	0	1
PL.15971	PD.2914	B	4ACSR	7.50Y	125.1	0.00	0.92	0.37	0	3	0	100	0.00	0.0	0.917	0.070	0	0	0	1
622401	PL.15971	B	Consumer	7.50Y	125.1	0.00	0.92	0.37	0	3	0	100	0.00	0.0	0.917	0.000	3	0	1	1
PL.16204	PL.26223	A	4ACSR	7.47Y	124.5	0.00	1.52	1.09	1	7	4	87	0.00	0.0	0.607	0.006	0	0	0	1
		C		7.51Y	125.2	0.00	0.83	1.08	1	7	4	90					0	0	0	1
PD.2919	PL.16204	A	fuse6AMP	7.47Y	124.5	0.00	1.52	1.09	19	7	4	87	0.00	0.0	0.607	0.000	0	0	0	1
		C		7.51Y	125.2	0.00	0.83	1.08	18	7	4	90					0	0	0	1
PL.16205	PD.2919	A	4ACSR	7.47Y	124.5	0.00	1.52	1.09	1	7	4	87	0.00	0.0	0.669	0.063	0	0	0	1
		C		7.51Y	125.2	0.00	0.84	1.08	1	7	4	90					0	0	0	1
620402	PL.16205	A	Consumer	7.47Y	124.5	0.00	1.52	1.06	0	7	3	92	0.00	0.0	0.669	0.000	7	3	1	1
		C		7.51Y	125.2	0.00	0.84	1.05	0	7	3	90					7	3	1	1
620401	PL.16205	A	Consumer	7.47Y	124.5	0.00	1.52	0.03	0	0	0	100	0.00	0.0	0.669	0.000	0	0	1	1
		C		7.51Y	125.2	0.00	0.84	0.03	0	0	0	90					0	0	1	1
C PL.29126	CLAY CITY	A	4/0ACSR	7.56Y	126.0	0.01	0.01	241.32	51	1795	328	98	0.14	0.0	0.003	0.003	0	0	0	279 C
		B		7.56Y	126.0	0.00	0.00	132.62	28	990	159	99					0	0	0	142
		C		7.56Y	126.0	0.01	0.01	187.28	40	1393	251	98					0	0	0	213
C PL.32840	PL.29126	A	4/0ACSR	7.56Y	126.0	0.00	0.01	241.32	51	1795	328	98	0.08	0.0	0.005	0.002	0	0	0	279 C
		B		7.56Y	126.0	0.00	0.00	132.62	28	990	159	99					0	0	0	142
		C		7.56Y	126.0	0.00	0.01	187.28	40	1393	251	98					0	0	0	213
---------- Feeder No. 1 (CLAYCTY1) Beginning with Device PD.3881 ----------																				
PD.3881	PL.32840	A	VWVE	7.56Y	126.0	0.00	0.01	241.32	0	1795	328	98	0.00	0.0	0.005	0.000	0	0	0	279
		B		7.56Y	126.0	0.00	0.00	132.62	0	990	159	99					0	0	0	142
		C		7.56Y	126.0	0.00	0.01	187.28	0	1393	251	98					0	0	0	213
C PL.32841	PD.3881	A	4/0ACSR	7.52Y	125.3	0.64	0.65	241.32	51	1795	328	98	13.75	0.3	0.284	0.279	0	0	0	279 C
		B		7.55Y	125.9	0.14	0.14	132.62	28	990	159	99					0	0	0	142
		C		7.52Y	125.3	0.67	0.68	187.28	40	1393	251	98					0	0	0	213
C PL.10953	PL.32841	A	4/0ACSR	7.51Y	125.2	0.12	0.77	240.25	51	1780	311	99	2.60	0.1	0.337	0.053	0	0	0	278 C
		B		7.55Y	125.8	0.03	0.17	132.62	28	989	156	99					0	0	0	142
		C		7.51Y	125.2	0.13	0.81	187.28	40	1387	244	98					0	0	0	213
PL.1646	PL.10953	A	4ACSR	7.50Y	125.1	0.15	0.92	39.07	20	290	48	99	0.33	0.1	0.427	0.090	0	0	0	68
PL.1647	PL.1646	A	4ACSR	7.50Y	125.1	0.00	0.93	1.33	1	10	2	98	0.00	0.0	0.491	0.064	0	0	0	2
0194103	PL.1647	A	Consumer	7.50Y	125.1	0.00	0.93	0.00	0	0	0	100	0.00	0.0	0.491	0.000	0	0	0	0
019493	PL.1647	A	Consumer	7.50Y	125.1	0.00	0.93	0.00	0	0	0	100	0.00	0.0	0.491	0.000	0	0	0	0
019412	PL.1647	A	Consumer	7.50Y	125.1	0.00	0.93	0.37	0	3	0	100	0.00	0.0	0.491	0.000	3	0	1	1
019485	PL.1647	A	Consumer	7.50Y	125.1	0.00	0.93	0.96	0	7	1	99	0.00	0.0	0.491	0.000	7	1	1	1
PL.22108	PL.1646	A	4ACSR	7.50Y	125.1	0.01	0.94	37.19	19	275	45	99	0.02	0.0	0.434	0.007	0	0	0	65
PD.2732-A	PL.22108	A	Closed	7.50Y	125.1	0.00	0.94	37.19	0	275	45	99	0.00	0.0	0.434	0.000	0	0	0	65
PD.2732-B	PD.2732-A	A	Closed	7.50Y	125.1	0.00	0.94	37.19	0	275	45	99	0.00	0.0	0.434	0.000	0	0	0	65
PL.22109	PD.2732-B	A	4ACSR	7.50Y	124.9	0.12	1.05	37.19	19	275	45	99	0.24	0.1	0.507	0.073	0	0	0	65
PL.1643	PL.22109	A	4ACSR	7.50Y	124.9	0.00	1.06	1.06	1	8	1	99	0.00	0.0	0.565	0.058	0	0	0	4
PL.24323	PL.1643	A	4ACSR	7.50Y	124.9	0.00	1.06	1.02	1	8	1	99	0.00	0.0	0.628	0.063	0	0	0	2
620102	PL.24323	A	Consumer	7.50Y	124.9	0.00	1.06	0.70	0	5	1	98	0.00	0.0	0.628	0.000	5	1	1	1
620201	PL.24323	A	Consumer	7.50Y	124.9	0.00	1.06	0.32	0	2	0	100	0.00	0.0	0.628	0.000	2	0	1	1
0194102	PL.1643	A	Consumer	7.50Y	124.9	0.00	1.06	0.04	0	0	0	100	0.00	0.0	0.565	0.000	0	0	1	1
019453	PL.1643	A	Consumer	7.50Y	124.9	0.00	1.06	0.00	0	0	0	100	0.00	0.0	0.565	0.000	0	0	1	1

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.1681	PL.22109	A	4ACSR	7.50Y	124.9	0.00	1.05	1.42	1	11	2	98	0.00	0.0	0.545	0.038	0	0	0	2
0194108	PL.1681	A	Consumer	7.50Y	124.9	0.00	1.05	0.92	0	7	1	99	0.00	0.0	0.545	0.000	7	1	1	1
PL.1684	PL.1681	A	4ACSR	7.50Y	124.9	0.00	1.06	0.50	0	4	1	97	0.00	0.0	0.603	0.058	0	0	0	1
0194111	PL.1684	A	Consumer	7.50Y	124.9	0.00	1.06	0.50	0	4	1	97	0.00	0.0	0.603	0.000	4	1	1	1
019405	PL.22109	A	Consumer	7.50Y	124.9	0.00	1.05	0.01	0	0	0	100	0.00	0.0	0.507	0.000	0	0	1	1
PL.1644	PL.22109	A	4ACSR	7.50Y	124.9	0.00	1.05	0.00	0	0	0	100	0.00	0.0	0.619	0.111	0	0	0	0
PL.6098	PL.22109	A	4ACSR	7.49Y	124.9	0.05	1.10	18.56	10	137	23	99	0.05	0.0	0.570	0.063	0	0	0	32
PL.10960	PL.6098	A	4ACSR	7.49Y	124.9	0.02	1.12	17.43	9	129	22	99	0.02	0.0	0.594	0.024	0	0	0	29
PL.10959	PL.10960	A	4ACSR	7.49Y	124.9	0.01	1.14	17.20	9	127	21	99	0.01	0.0	0.613	0.020	0	0	0	28
PL.10958	PL.10959	A	4ACSR	7.49Y	124.8	0.04	1.17	17.20	9	127	21	99	0.03	0.0	0.663	0.049	0	0	0	28
PL.10957	PL.10958	A	4ACSR	7.49Y	124.8	0.04	1.22	15.85	8	117	20	99	0.04	0.0	0.727	0.065	0	0	0	26
PL.11548	PL.10957	A	4ACSR	7.49Y	124.8	0.02	1.23	14.22	7	105	18	99	0.01	0.0	0.754	0.026	0	0	0	24
0194107	PL.11548	A	Consumer	7.49Y	124.8	0.00	1.23	0.69	0	5	1	98	0.00	0.0	0.754	0.000	5	1	1	1
PL.11550	PL.11548	A	4ACSR	7.48Y	124.7	0.05	1.28	13.53	7	100	17	99	0.04	0.0	0.842	0.088	0	0	0	23
PL.38702	PL.11550	A	4ACSR	7.48Y	124.7	0.00	1.28	0.67	0	5	1	98	0.00	0.0	0.849	0.008	0	0	0	2
PL.38703	PL.38702	A	4ACSR	7.48Y	124.7	0.00	1.29	0.67	0	5	1	98	0.00	0.0	0.894	0.045	0	0	0	2
0194114	PL.38703	A	Consumer	7.48Y	124.7	0.00	1.29	0.22	0	2	0	100	0.00	0.0	0.894	0.000	2	0	1	1
019445	PL.38703	A	Consumer	7.48Y	124.7	0.00	1.29	0.45	0	3	1	95	0.00	0.0	0.894	0.000	3	1	1	1
019484	PL.38703	A	Consumer	7.48Y	124.7	0.00	1.29	0.00	0	0	0	100	0.00	0.0	0.894	0.000	0	0	0	0
019488	PL.38703	A	Consumer	7.48Y	124.7	0.00	1.29	0.00	0	0	0	100	0.00	0.0	0.894	0.000	0	0	0	0
PL.11549	PL.11550	A	4ACSR	7.48Y	124.7	0.01	1.29	3.44	2	25	5	98	0.00	0.0	0.901	0.059	0	0	0	5
019486	PL.11549	A	Consumer	7.48Y	124.7	0.00	1.29	0.00	0	0	0	100	0.00	0.0	0.901	0.000	0	0	0	0
019440	PL.11549	A	Consumer	7.48Y	124.7	0.00	1.29	0.92	0	7	1	99	0.00	0.0	0.901	0.000	7	1	1	1
019409	PL.11549	A	Consumer	7.48Y	124.7	0.00	1.29	0.81	0	6	1	99	0.00	0.0	0.901	0.000	6	1	1	1
019489	PL.11549	A	Consumer	7.48Y	124.7	0.00	1.29	0.00	0	0	0	100	0.00	0.0	0.901	0.000	0	0	0	0
019408	PL.11549	A	Consumer	7.48Y	124.7	0.00	1.29	0.00	0	0	0	100	0.00	0.0	0.901	0.000	0	0	0	0
019424	PL.11549	A	Consumer	7.48Y	124.7	0.00	1.29	0.38	0	3	1	95	0.00	0.0	0.901	0.000	3	1	1	1
019403	PL.11549	A	Consumer	7.48Y	124.7	0.00	1.29	0.00	0	0	0	100	0.00	0.0	0.901	0.000	0	0	0	0
PL.18366	PL.11549	A	4ACSR	7.48Y	124.7	0.00	1.30	1.35	1	10	2	98	0.00	0.0	0.946	0.045	0	0	0	2
PD.3372	PL.18366	A	50V4E	7.48Y	124.7	0.00	1.30	1.35	3	10	2	98	0.00	0.0	0.946	0.000	0	0	0	2
PL.18365	PD.3372	A	4ACSR	7.48Y	124.7	0.00	1.30	1.35	1	10	2	98	0.00	0.0	0.952	0.006	0	0	0	2
PL.38700	PL.18365	A	4ACSR	7.48Y	124.7	0.00	1.30	1.35	1	10	2	98	0.00	0.0	0.955	0.003	0	0	0	2
PL.38701	PL.38700	A	4ACSR	7.48Y	124.7	0.00	1.30	1.35	1	10	2	98	0.00	0.0	0.997	0.043	0	0	0	2
019498	PL.38701	A	Consumer	7.48Y	124.7	0.00	1.30	0.00	0	0	0	100	0.00	0.0	0.997	0.000	0	0	0	0
019496	PL.38701	A	Consumer	7.48Y	124.7	0.00	1.30	0.00	0	0	0	100	0.00	0.0	0.997	0.000	0	0	0	0
019407	PL.38701	A	Consumer	7.48Y	124.7	0.00	1.30	0.51	0	4	1	97	0.00	0.0	0.997	0.000	4	1	1	1
019473	PL.38701	A	Consumer	7.48Y	124.7	0.00	1.30	0.84	0	6	1	99	0.00	0.0	0.997	0.000	6	1	1	1
019459	PL.11550	A	Consumer	7.48Y	124.7	0.00	1.28	0.00	0	0	0	100	0.00	0.0	0.842	0.000	0	0	0	0

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

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
019441	PL.11550	A	Consumer	7.48Y	124.7	0.00	1.28	0.52	0	4	1	97	0.00	0.0	0.842	0.000	4	1	1	1
PL.38704	PL.11550	A	4ACSR	7.48Y	124.7	0.01	1.29	8.90	5	66	11	99	0.00	0.0	0.855	0.014	0	0	0	15
PL.38705	PL.38704	A	4ACSR	7.48Y	124.7	0.01	1.30	8.90	5	66	11	99	0.00	0.0	0.881	0.026	0	0	0	15
0194116	PL.38705	A	Consumer	7.48Y	124.7	0.00	1.30	1.35	0	10	2	98	0.00	0.0	0.881	0.000	10	2	1	1
019435	PL.38705	A	Consumer	7.48Y	124.7	0.00	1.30	0.00	0	0	0	100	0.00	0.0	0.881	0.000	0	0	1	1
PL.6118	PL.38705	A	4ACSR	7.48Y	124.7	0.02	1.32	7.55	4	56	9	99	0.01	0.0	0.932	0.051	0	0	0	13
019464	PL.6118	A	Consumer	7.48Y	124.7	0.00	1.32	0.00	0	0	0	100	0.00	0.0	0.932	0.000	0	0	0	0
019443	PL.6118	A	Consumer	7.48Y	124.7	0.00	1.32	0.00	0	0	0	100	0.00	0.0	0.932	0.000	0	0	0	0
019494	PL.6118	A	Consumer	7.48Y	124.7	0.00	1.32	1.30	0	10	2	98	0.00	0.0	0.932	0.000	10	2	1	1
PL.1648	PL.6118	A	4ACSR	7.48Y	124.7	0.00	1.32	1.08	1	8	1	99	0.00	0.0	0.970	0.038	0	0	0	3
PL.23759	PL.1648	A	4ACSR	7.48Y	124.7	0.00	1.32	1.08	1	8	1	99	0.00	0.0	1.053	0.083	0	0	0	3
019427	PL.23759	A	Consumer	7.48Y	124.7	0.00	1.32	0.34	0	3	0	100	0.00	0.0	1.053	0.000	3	0	1	1
019428	PL.23759	A	Consumer	7.48Y	124.7	0.00	1.32	0.48	0	4	1	97	0.00	0.0	1.053	0.000	4	1	1	1
019401	PL.23759	A	Consumer	7.48Y	124.7	0.00	1.32	0.00	0	0	0	100	0.00	0.0	1.053	0.000	0	0	0	0
019451	PL.23759	A	Consumer	7.48Y	124.7	0.00	1.32	0.26	0	2	0	100	0.00	0.0	1.053	0.000	2	0	1	1
PL.23758	PL.6118	A	4ACSR	7.48Y	124.7	0.01	1.32	5.16	3	38	6	99	0.00	0.0	0.960	0.028	0	0	0	9
PL.11551	PL.23758	A	4ACSR	7.48Y	124.7	0.00	1.32	5.16	3	38	6	99	0.00	0.0	0.973	0.012	0	0	0	9
019474	PL.11551	A	Consumer	7.48Y	124.7	0.00	1.32	1.02	0	8	1	99	0.00	0.0	0.973	0.000	8	1	1	1
019446	PL.11551	A	Consumer	7.48Y	124.7	0.00	1.32	0.37	0	3	0	100	0.00	0.0	0.973	0.000	3	0	1	1
019495	PL.11551	A	Consumer	7.48Y	124.7	0.00	1.32	1.22	0	9	1	99	0.00	0.0	0.973	0.000	9	1	1	1
PL.11552	PL.11551	A	4ACSR	7.48Y	124.7	0.01	1.33	2.56	1	19	3	99	0.00	0.0	1.022	0.049	0	0	0	6
PL.6116	PL.11552	A	4ACSR	7.48Y	124.7	0.00	1.33	1.77	1	13	2	99	0.00	0.0	1.045	0.023	0	0	0	3
019460	PL.6116	A	Consumer	7.48Y	124.7	0.00	1.33	0.89	0	7	1	99	0.00	0.0	1.045	0.000	7	1	1	1
019449	PL.6116	A	Consumer	7.48Y	124.7	0.00	1.33	0.77	0	6	1	99	0.00	0.0	1.045	0.000	6	1	1	1
019471	PL.6116	A	Consumer	7.48Y	124.7	0.00	1.33	0.12	0	1	0	100	0.00	0.0	1.045	0.000	1	0	1	1
019431	PL.6116	A	Consumer	7.48Y	124.7	0.00	1.33	0.00	0	0	0	100	0.00	0.0	1.045	0.000	0	0	0	0
019448	PL.11552	A	Consumer	7.48Y	124.7	0.00	1.33	0.20	0	1	0	100	0.00	0.0	1.022	0.000	1	0	1	1
019433	PL.11552	A	Consumer	7.48Y	124.7	0.00	1.33	0.49	0	4	1	97	0.00	0.0	1.022	0.000	4	1	1	1
019430	PL.11552	A	Consumer	7.48Y	124.7	0.00	1.33	0.10	0	1	0	100	0.00	0.0	1.022	0.000	1	0	1	1
019499	PL.10957	A	Consumer	7.49Y	124.8	0.00	1.22	1.23	0	9	1	99	0.00	0.0	0.727	0.000	9	1	1	1
019410	PL.10957	A	Consumer	7.49Y	124.8	0.00	1.22	0.40	0	3	0	100	0.00	0.0	0.727	0.000	3	0	1	1
019442	PL.10958	A	Consumer	7.49Y	124.8	0.00	1.17	0.76	0	6	1	99	0.00	0.0	0.663	0.000	6	1	1	1
019406	PL.10958	A	Consumer	7.49Y	124.8	0.00	1.17	0.59	0	4	1	97	0.00	0.0	0.663	0.000	4	1	1	1
0194120	PL.10960	A	Consumer	7.49Y	124.9	0.00	1.12	0.00	0	0	0	100	0.00	0.0	0.594	0.000	0	0	0	0
019463	PL.10960	A	Consumer	7.49Y	124.9	0.00	1.12	0.22	0	2	0	100	0.00	0.0	0.594	0.000	2	0	1	1
0194119	PL.6098	A	Consumer	7.49Y	124.9	0.00	1.10	0.00	0	0	0	100	0.00	0.0	0.570	0.000	0	0	0	0
019465	PL.6098	A	Consumer	7.49Y	124.9	0.00	1.10	0.24	0	2	0	100	0.00	0.0	0.570	0.000	2	0	1	1
019491	PL.6098	A	Consumer	7.49Y	124.9	0.00	1.10	0.75	0	6	1	99	0.00	0.0	0.570	0.000	6	1	1	1

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

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
0194106	PL.6098	A	Consumer	7.49Y	124.9	0.00	1.10	0.14	0	1	0	100	0.00	0.0	0.570	0.000	1	0	1	1
PL.76	PL.22109	A	4ACSR	7.49Y	124.9	0.08	1.13	15.91	8	118	19	99	0.07	0.1	0.621	0.114	0	0	0	25
PD.2361-A	PL.76	A	Closed	7.49Y	124.9	0.00	1.13	15.91	0	118	19	99	0.00	0.0	0.621	0.000	0	0	0	25
PD.2361-B	PD.2361-A	A	Closed	7.49Y	124.9	0.00	1.13	15.91	0	118	19	99	0.00	0.0	0.621	0.000	0	0	0	25
PL.27338	PD.2361-B	A	4ACSR	7.49Y	124.8	0.02	1.15	15.91	8	118	19	99	0.02	0.0	0.654	0.033	0	0	0	25
PL.7739	PL.27338	A	4ACSR	7.49Y	124.8	0.02	1.17	14.95	8	111	18	99	0.01	0.0	0.679	0.025	0	0	0	24
620208	PL.7739	A	Consumer	7.49Y	124.8	0.00	1.17	0.91	0	7	1	99	0.00	0.0	0.679	0.000	7	1	1	1
620204	PL.7739	A	Consumer	7.49Y	124.8	0.00	1.17	0.79	0	6	1	99	0.00	0.0	0.679	0.000	6	1	1	1
620212	PL.7739	A	Consumer	7.49Y	124.8	0.00	1.17	0.86	0	6	1	99	0.00	0.0	0.679	0.000	6	1	1	1
620211	PL.7739	A	Consumer	7.49Y	124.8	0.00	1.17	0.00	0	0	0	100	0.00	0.0	0.679	0.000	0	0	0	0
PL.27539	PL.7739	A	4ACSR	7.49Y	124.8	0.00	1.17	4.25	2	31	5	99	0.00	0.0	0.686	0.007	0	0	0	4
PD.2932	PL.27539	A	fuse6AMP	7.49Y	124.8	0.00	1.17	4.25	73	31	5	99	0.00	0.0	0.686	0.000	0	0	0	4
PL.27540	PD.2932	A	4ACSR	7.49Y	124.8	0.01	1.18	4.25	2	31	5	99	0.00	0.0	0.747	0.061	0	0	0	4
PL.24324	PL.27540	A	4ACSR	7.49Y	124.8	0.00	1.18	1.29	1	10	2	98	0.00	0.0	0.777	0.030	0	0	0	2
620209	PL.24324	A	Consumer	7.49Y	124.8	0.00	1.18	0.00	0	0	0	100	0.00	0.0	0.777	0.000	0	0	0	0
620210	PL.24324	A	Consumer	7.49Y	124.8	0.00	1.18	0.61	0	5	1	98	0.00	0.0	0.777	0.000	5	1	1	1
6202013	PL.24324	A	Consumer	7.49Y	124.8	0.00	1.18	0.67	0	5	1	98	0.00	0.0	0.777	0.000	5	1	1	1
PL.3790	PL.27540	A	4ACSR	7.49Y	124.8	0.01	1.19	2.96	2	22	4	98	0.00	0.0	0.812	0.065	0	0	0	2
621201	PL.3790	A	Consumer	7.49Y	124.8	0.00	1.19	0.56	0	4	1	97	0.00	0.0	0.812	0.000	4	1	1	1
PL.3791	PL.3790	A	4ACSR	7.49Y	124.8	0.01	1.20	2.40	1	18	3	99	0.00	0.0	0.865	0.053	0	0	0	1
622202	PL.3791	A	Consumer	7.49Y	124.8	0.00	1.20	2.40	0	18	3	99	0.00	0.0	0.865	0.000	18	3	1	1
PL.19211	PL.7739	A	4ACSR	7.49Y	124.8	0.01	1.18	8.14	4	60	10	99	0.01	0.0	0.717	0.038	0	0	0	17
620207	PL.19211	A	Consumer	7.49Y	124.8	0.00	1.18	0.38	0	3	0	100	0.00	0.0	0.717	0.000	3	0	1	1
620206	PL.19211	A	Consumer	7.49Y	124.8	0.00	1.18	0.78	0	6	1	99	0.00	0.0	0.717	0.000	6	1	1	1
PL.19210	PL.19211	A	4ACSR	7.49Y	124.8	0.01	1.20	6.97	4	52	8	99	0.01	0.0	0.762	0.045	0	0	0	15
621306	PL.19210	A	Consumer	7.49Y	124.8	0.00	1.20	0.00	0	0	0	100	0.00	0.0	0.762	0.000	0	0	0	0
621308	PL.19210	A	Consumer	7.49Y	124.8	0.00	1.20	0.20	0	1	0	100	0.00	0.0	0.762	0.000	1	0	1	1
621304	PL.19210	A	Consumer	7.49Y	124.8	0.00	1.20	0.00	0	0	0	100	0.00	0.0	0.762	0.000	0	0	1	1
PL.10956	PL.19210	A	4ACSR	7.49Y	124.8	0.03	1.22	6.77	3	50	8	99	0.01	0.0	0.854	0.092	0	0	0	13
PL.10955	PL.10956	A	4ACSR	7.49Y	124.8	0.01	1.23	3.17	2	23	4	99	0.00	0.0	0.926	0.072	0	0	0	6
PL.38859	PL.10955	A	4ACSR	7.49Y	124.8	0.00	1.23	0.40	0	3	0	100	0.00	0.0	0.931	0.005	0	0	0	2
PD.6746	PL.38859	A	fuse6AMP	7.49Y	124.8	0.00	1.23	0.40	7	3	0	100	0.00	0.0	0.931	0.000	0	0	0	2
PL.38860	PD.6746	A	4ACSR	7.49Y	124.8	0.00	1.23	0.40	0	3	0	100	0.00	0.0	0.982	0.050	0	0	0	2
PL.7736	PL.38860	A	4ACSR	7.49Y	124.8	0.00	1.23	0.40	0	3	0	100	0.00	0.0	1.004	0.022	0	0	0	2
PL.7737	PL.7736	A	4ACSR	7.49Y	124.8	0.00	1.23	0.23	0	2	0	100	0.00	0.0	1.049	0.045	0	0	0	1
622201	PL.7737	A	Consumer	7.49Y	124.8	0.00	1.23	0.23	0	2	0	100	0.00	0.0	1.049	0.000	2	0	1	1
622303	PL.7736	A	Consumer	7.49Y	124.8	0.00	1.23	0.17	0	1	0	100	0.00	0.0	1.004	0.000	1	0	1	1
PL.3789	PL.38860	A	4ACSR	7.49Y	124.8	0.00	1.23	0.00	0	0	0	100	0.00	0.0	1.046	0.064	0	0	0	0

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
622305	PL.10955	A	Consumer	7.49Y	124.8	0.00	1.23	0.29	0	2	0	100	0.00	0.0	0.926	0.000	2	0	1	1
623303	PL.10955	A	Consumer	7.49Y	124.8	0.00	1.23	1.35	0	10	2	98	0.00	0.0	0.926	0.000	10	2	1	1
623302	PL.10955	A	Consumer	7.49Y	124.8	0.00	1.23	0.61	0	5	1	98	0.00	0.0	0.926	0.000	5	1	1	1
622311	PL.10955	A	Consumer	7.49Y	124.8	0.00	1.23	0.00	0	0	0	100	0.00	0.0	0.926	0.000	0	0	0	0
622308	PL.10955	A	Consumer	7.49Y	124.8	0.00	1.23	0.51	0	4	1	97	0.00	0.0	0.926	0.000	4	1	1	1
622310	PL.10955	A	Consumer	7.49Y	124.8	0.00	1.23	0.00	0	0	0	100	0.00	0.0	0.926	0.000	0	0	0	0
621303	PL.10956	A	Consumer	7.49Y	124.8	0.00	1.22	0.44	0	3	1	95	0.00	0.0	0.854	0.000	3	1	1	1
622309	PL.10956	A	Consumer	7.49Y	124.8	0.00	1.22	0.33	0	2	0	100	0.00	0.0	0.854	0.000	2	0	1	1
621301	PL.10956	A	Consumer	7.49Y	124.8	0.00	1.22	0.17	0	1	0	100	0.00	0.0	0.854	0.000	1	0	1	1
621305	PL.10956	A	Consumer	7.49Y	124.8	0.00	1.22	0.06	0	0	0	100	0.00	0.0	0.854	0.000	0	0	1	1
621309	PL.10956	A	Consumer	7.49Y	124.8	0.00	1.22	1.20	0	9	1	99	0.00	0.0	0.854	0.000	9	1	1	1
622301	PL.10956	A	Consumer	7.49Y	124.8	0.00	1.22	0.09	0	1	0	100	0.00	0.0	0.854	0.000	1	0	1	1
622306	PL.10956	A	Consumer	7.49Y	124.8	0.00	1.22	1.32	0	10	2	98	0.00	0.0	0.854	0.000	10	2	1	1
620203	PL.27338	A	Consumer	7.49Y	124.8	0.00	1.15	0.95	0	7	1	99	0.00	0.0	0.654	0.000	7	1	1	1
PL.1645	PL.22109	A	4ACSR	7.50Y	124.9	0.00	1.05	0.24	0	2	0	100	0.00	0.0	0.572	0.065	0	0	0	1
019454	PL.1645	A	Consumer	7.50Y	124.9	0.00	1.05	0.24	0	2	0	100	0.00	0.0	0.572	0.000	2	0	1	1
019413	PL.1646	A	Consumer	7.50Y	125.1	0.00	0.92	0.55	0	4	1	97	0.00	0.0	0.427	0.000	4	1	1	1
PL.12376	PL.10953	A	4/0ACSR	7.51Y	125.2	0.02	0.79	201.18	43	1489	260	99	0.37	0.0	0.346	0.009	0	0	0	210
		B		7.55Y	125.8	0.01	0.18	132.62	28	989	156	99					0	0	0	142
		C		7.51Y	125.2	0.02	0.83	187.28	40	1386	243	99					0	0	0	213
PD.160-A	PL.12376	A	Closed	7.51Y	125.2	0.00	0.79	201.18	0	1489	260	99	0.00	0.0	0.346	0.000	0	0	0	210
		B		7.55Y	125.8	0.00	0.18	132.62	0	989	156	99					0	0	0	142
		C		7.51Y	125.2	0.00	0.83	187.28	0	1385	242	99					0	0	0	213
PD.160-B	PD.160-A	A	Closed	7.51Y	125.2	0.00	0.79	201.18	0	1489	260	99	0.00	0.0	0.346	0.000	0	0	0	210
		B		7.55Y	125.8	0.00	0.18	132.62	0	989	156	99					0	0	0	142
		C		7.51Y	125.2	0.00	0.83	187.28	0	1385	242	99					0	0	0	213
PL.12377	PD.160-B	A	4/0ACSR	7.48Y	124.6	0.60	1.39	201.18	43	1489	260	99	14.17	0.4	0.694	0.348	0	0	0	210
		B		7.53Y	125.5	0.29	0.46	132.62	28	989	156	99					0	0	0	142
		C		7.46Y	124.4	0.78	1.61	187.28	40	1385	242	99					0	0	0	213
019467	PL.12377	C	Consumer	7.46Y	124.4	0.00	1.61	0.32	0	2	0	100	0.00	0.0	0.694	0.000	2	0	1	1
PL.11554	PL.12377	A	4/0ACSR	7.46Y	124.4	0.20	1.58	201.18	43	1484	247	99	4.72	0.1	0.810	0.116	0	0	0	210
		B		7.53Y	125.4	0.10	0.56	132.62	28	987	152	99					0	0	0	142
		C		7.45Y	124.1	0.26	1.86	186.96	40	1376	233	99					0	0	0	212
PL.11555	PL.11554	A	4/0ACSR	7.46Y	124.4	0.07	1.65	201.18	43	1482	243	99	1.46	0.0	0.847	0.037	0	0	0	210
		B		7.52Y	125.4	0.03	0.59	132.62	28	987	151	99					0	0	0	142
		C		7.44Y	124.1	0.08	1.94	179.92	38	1322	221	99					0	0	0	203
PL.18594	PL.11555	A	2ACSR	7.46Y	124.3	0.03	1.68	18.09	7	134	12	100	0.07	0.0	0.910	0.063	0	0	0	3
		B		7.52Y	125.4	0.02	0.61	15.60	6	117	9	100					0	0	0	1
		C		7.44Y	124.0	0.03	1.97	16.98	7	126	11	100					0	0	0	3
PD.3373	PL.18594	A	50L	7.46Y	124.3	0.00	1.68	18.09	36	134	12	100	0.00	0.0	0.910	0.000	0	0	0	3
		B		7.52Y	125.4	0.00	0.61	15.60	31	117	9	100					0	0	0	1
		C		7.44Y	124.0	0.00	1.97	16.98	34	126	11	100					0	0	0	3
PL.20781	PD.3373	A	2ACSR	7.46Y	124.3	0.02	1.70	18.09	7	134	12	100	0.05	0.0	0.956	0.046	0	0	0	3
		B		7.52Y	125.4	0.02	0.63	15.60	6	117	9	100					0	0	0	1
		C		7.44Y	124.0	0.02	1.99	16.98	7	126	11	100					0	0	0	3
PL.20782	PL.20781	A	2ACSR	7.46Y	124.3	0.03	1.73	18.03	7	134	12	100	0.09	0.0	1.036	0.080	0	0	0	3
		B		7.52Y	125.3	0.03	0.66	15.54	6	117	9	100					0	0	0	1
		C		7.44Y	124.0	0.03	2.02	16.92	7	125	11	100					0	0	0	3

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.11557	PL.20782	A	2ACSR	7.45Y	124.2	0.02	1.75	18.03	7	134	12	100	0.05	0.0	1.078	0.041	0	0	0	3
		B		7.52Y	125.3	0.01	0.67	15.54	6	117	9	100					0	0	0	1
		C		7.44Y	124.0	0.02	2.04	15.88	6	118	9	100					0	0	0	2
PL.6137	PL.11557	A	2ACSR	7.45Y	124.2	0.02	1.77	18.03	7	134	12	100	0.06	0.0	1.128	0.050	0	0	0	3
		B		7.52Y	125.3	0.02	0.69	15.54	6	116	9	100					0	0	0	1
		C		7.44Y	123.9	0.02	2.06	15.71	6	116	9	100					0	0	0	1
PL.20754	PL.6137	A	2ACSR	7.45Y	124.2	0.02	1.80	18.03	7	134	12	100	0.06	0.0	1.182	0.054	0	0	0	3
		B		7.52Y	125.3	0.02	0.71	15.54	6	116	9	100					0	0	0	1
		C		7.44Y	123.9	0.02	2.08	15.71	6	116	9	100					0	0	0	1
018487	PL.20754	A	Consumer	7.45Y	124.2	0.00	1.80	15.67	0	116	9	100	0.00	0.0	1.182	0.000	116	9	0	0
		B		7.52Y	125.3	0.00	0.71	15.54	0	116	9	100					116	9	0	0
		C		7.44Y	123.9	0.00	2.08	15.71	0	116	9	100					116	9	0	0
PL.8341	PL.20754	A	2ACSR	7.45Y	124.2	0.00	1.80	2.37	1	17	3	98	0.00	0.0	1.242	0.060	0	0	0	2
		B		7.52Y	125.3	-0.00	0.71	0.00	0	0	0	100					0	0	0	0
		C		7.44Y	123.9	0.00	2.08	0.00	0	0	0	100					0	0	0	0
PL.17140	PL.8341	A	4ACSR	7.45Y	124.2	0.00	1.80	2.37	1	17	3	98	0.00	0.0	1.247	0.005	0	0	0	2
PD.1948	PL.17140	A	fuse6AMP	7.45Y	124.2	0.00	1.80	2.37	40	17	3	98	0.00	0.0	1.247	0.000	0	0	0	2
PL.17141	PD.1948	A	4ACSR	7.45Y	124.2	0.00	1.81	2.37	1	17	3	98	0.00	0.0	1.288	0.041	0	0	0	2
PL.1690	PL.17141	A	4ACSR	7.45Y	124.2	0.00	1.81	0.15	0	1	0	100	0.00	0.0	1.333	0.045	0	0	0	1
018495	PL.1690	A	Consumer	7.45Y	124.2	0.00	1.81	0.15	0	1	0	100	0.00	0.0	1.333	0.000	1	0	1	1
PL.23763	PL.17141	A	4ACSR	7.45Y	124.2	0.01	1.81	2.22	1	16	3	98	0.00	0.0	1.345	0.057	0	0	0	1
PL.23757	PL.23763	A	4ACSR	7.45Y	124.2	0.02	1.83	2.22	1	16	3	98	0.00	0.0	1.528	0.183	0	0	0	1
018494	PL.23757	A	Consumer	7.45Y	124.2	0.00	1.83	2.22	0	16	3	98	0.00	0.0	1.528	0.000	16	3	1	1
0184114	PL.8341	A	Consumer	7.45Y	124.2	0.00	1.80	0.00	0	0	0	100	0.00	0.0	1.242	0.000	0	0	0	0
		B		7.52Y	125.3	0.00	0.71	0.00	0	0	0	100					0	0	0	0
		C		7.44Y	123.9	0.00	2.08	0.00	0	0	0	100					0	0	0	0
0184123	PL.11557	C	Consumer	7.44Y	124.0	0.00	2.04	0.18	0	1	1	71	0.00	0.0	1.078	0.000	1	1	1	1
PL.23756	PL.20782	C	4ACSR	7.44Y	124.0	0.00	2.03	1.05	1	8	1	99	0.00	0.0	1.109	0.073	0	0	0	1
0184101	PL.23756	C	Consumer	7.44Y	124.0	0.00	2.03	1.05	0	8	1	99	0.00	0.0	1.109	0.000	8	1	1	1
0184111	PL.20781	A	Consumer	7.46Y	124.3	0.00	1.70	0.07	0	0	0	100	0.00	0.0	0.956	0.000	0	0	0	0
		B		7.52Y	125.4	0.00	0.63	0.07	0	0	0	85					0	0	0	0
		C		7.44Y	124.0	0.00	1.99	0.07	0	0	0	85					0	0	0	0
PL.6123	PL.11555	A	4/0ACSR	7.45Y	124.2	0.11	1.76	183.13	39	1347	229	99	2.28	0.1	0.918	0.071	0	0	0	207
		B		7.52Y	125.4	0.05	0.64	117.07	25	870	141	99					0	0	0	141
		C		7.44Y	123.9	0.14	2.08	161.99	34	1188	206	99					0	0	0	199
018481	PL.6123	B	Consumer	7.52Y	125.4	0.00	0.64	0.34	0	2	1	89	0.00	0.0	0.918	0.000	2	1	1	1
PL.30854	PL.6123	A	4/0ACSR	7.45Y	124.2	0.07	1.83	183.13	39	1346	227	99	1.33	0.0	0.960	0.041	0	0	0	207
		B		7.52Y	125.3	0.03	0.67	116.75	25	867	140	99					0	0	0	140
		C		7.43Y	123.8	0.08	2.16	161.99	34	1187	205	99					0	0	0	199
PL.11553	PL.30854	A	4ACSR	7.45Y	124.2	0.00	1.83	0.00	0	0	0	100	0.00	0.0	1.013	0.053	0	0	0	0
		B		7.52Y	125.3	0.00	0.67	0.00	0	0	0	100					0	0	0	0
		C		7.43Y	123.8	0.00	2.16	0.00	0	0	0	100					0	0	0	0
PL.45754	PL.30854	A	336ACSR	7.45Y	124.1	0.02	1.86	70.77	10	519	93	98	0.21	0.0	1.025	0.066	0	0	0	90
		B		7.52Y	125.3	0.01	0.68	43.16	6	319	58	98					0	0	0	58
		C		7.43Y	123.8	0.04	2.20	68.46	9	501	87	99					0	0	0	87
PL.45759	PL.45754	A	336ACSR	7.45Y	124.1	0.01	1.87	70.77	10	519	93	98	0.08	0.0	1.051	0.026	0	0	0	90
		B		7.52Y	125.3	0.00	0.68	43.16	6	319	58	98					0	0	0	58
		C		7.43Y	123.8	0.02	2.22	68.46	9	501	87	99					0	0	0	87
PL.45760	PL.45759	A	336ACSR	7.45Y	124.1	0.02	1.89	70.77	10	519	93	98	0.18	0.0	1.108	0.057	0	0	0	90
		B		7.52Y	125.3	0.01	0.69	43.16	6	319	58	98					0	0	0	58
		C		7.42Y	123.7	0.03	2.25	68.46	9	501	87	99					0	0	0	87

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.70	PL.45760	A	336ACSR	7.45Y	124.1	0.00	1.89	70.77	10	519	93	98	0.04	0.0	1.120	0.012	0	0	0	90
		B		7.52Y	125.3	0.00	0.69	43.16	6	319	57	98					0	0	0	58
		C		7.42Y	123.7	0.01	2.26	68.46	9	501	87	99					0	0	0	87
PL.17844	PL.70	A	336ACSR	7.45Y	124.1	0.00	1.89	70.77	10	519	93	98	0.02	0.0	1.125	0.005	0	0	0	90
		B		7.52Y	125.3	0.00	0.70	43.16	6	319	57	98					0	0	0	58
		C		7.42Y	123.7	0.00	2.26	68.46	9	501	87	99					0	0	0	87
PD.3364	PL.17844	A	VWVE	7.45Y	124.1	0.00	1.89	70.77	0	519	93	98	0.00	0.0	1.125	0.000	0	0	0	90
		B		7.52Y	125.3	0.00	0.70	43.16	0	319	57	98					0	0	0	58
		C		7.42Y	123.7	0.00	2.26	68.46	0	501	87	99					0	0	0	87
PL.17845	PD.3364	A	336ACSR	7.45Y	124.1	0.02	1.91	70.77	10	519	93	98	0.15	0.0	1.172	0.047	0	0	0	90
		B		7.52Y	125.3	0.01	0.70	43.16	6	319	57	98					0	0	0	58
		C		7.42Y	123.7	0.03	2.29	68.46	9	501	87	99					0	0	0	87
PL.11715	PL.17845	A	336ACSR	7.44Y	124.1	0.01	1.92	65.58	9	481	84	99	0.11	0.0	1.208	0.036	0	0	0	84
		B		7.52Y	125.3	0.01	0.71	43.16	6	319	57	98					0	0	0	58
		C		7.42Y	123.7	0.02	2.31	67.63	9	495	84	99					0	0	0	87
PL.6094	PL.11715	A	336ACSR	7.44Y	124.0	0.03	1.95	65.58	9	481	84	99	0.30	0.0	1.309	0.101	0	0	0	84
		B		7.52Y	125.3	0.02	0.73	41.17	6	305	55	98					0	0	0	57
		C		7.42Y	123.6	0.06	2.37	67.63	9	495	84	99					0	0	0	87
018396	PL.6094	C	Consumer	7.42Y	123.6	0.00	2.37	1.16	0	8	1	99	0.00	0.0	1.309	0.000	8	1	1	1
PL.24538	PL.6094	A	336ACSR	7.44Y	124.0	0.02	1.97	65.58	9	481	84	99	0.16	0.0	1.364	0.055	0	0	0	84
		B		7.52Y	125.3	0.01	0.74	41.17	6	304	55	98					0	0	0	57
		C		7.42Y	123.6	0.03	2.41	66.47	9	486	82	99					0	0	0	86
PL.24539	PL.24538	A	336ACSR	7.44Y	124.0	0.02	1.99	65.58	9	481	84	99	0.18	0.0	1.428	0.064	0	0	0	84
		B		7.51Y	125.2	0.01	0.75	40.27	6	298	54	98					0	0	0	56
		C		7.41Y	123.6	0.04	2.44	66.47	9	486	82	99					0	0	0	86
PL.11716	PL.24539	A	4/0ACSR	7.44Y	124.0	0.00	1.99	65.58	14	481	84	99	0.01	0.0	1.430	0.002	0	0	0	84
		B		7.51Y	125.2	0.00	0.75	40.27	9	298	54	98					0	0	0	56
		C		7.41Y	123.6	0.00	2.44	66.47	14	486	82	99					0	0	0	86
PL.11717	PL.11716	A	336ACSR	7.44Y	124.0	0.03	2.02	65.58	9	481	84	99	0.30	0.0	1.534	0.104	0	0	0	84
		B		7.51Y	125.2	0.02	0.77	40.27	6	298	54	98					0	0	0	56
		C		7.41Y	123.5	0.06	2.50	65.13	9	476	80	99					0	0	0	83
PL.16904	PL.11717	B	4ACSR	7.51Y	125.2	0.00	0.77	3.20	2	24	4	99	0.00	0.0	1.542	0.008	0	0	0	4
PD.1802	PL.16904	B	fuse6AMP	7.51Y	125.2	0.00	0.77	3.20	55	24	4	99	0.00	0.0	1.542	0.000	0	0	0	4
PL.16905	PD.1802	B	4ACSR	7.51Y	125.2	0.01	0.78	3.20	2	24	4	99	0.00	0.0	1.626	0.084	0	0	0	4
018370	PL.16905	B	Consumer	7.51Y	125.2	0.00	0.78	1.35	0	10	2	98	0.00	0.0	1.626	0.000	10	2	1	1
018373	PL.16905	B	Consumer	7.51Y	125.2	0.00	0.78	0.95	0	7	1	99	0.00	0.0	1.626	0.000	7	1	1	1
018369	PL.16905	B	Consumer	7.51Y	125.2	0.00	0.78	0.89	0	7	1	99	0.00	0.0	1.626	0.000	7	1	1	1
018375	PL.16905	B	Consumer	7.51Y	125.2	0.00	0.78	0.00	0	0	0	100	0.00	0.0	1.626	0.000	0	0	1	1
PL.11718	PL.11717	A	336ACSR	7.44Y	124.0	0.01	2.04	65.58	9	481	83	99	0.13	0.0	1.580	0.046	0	0	0	84
		B		7.51Y	125.2	0.01	0.78	35.45	5	263	44	99					0	0	0	51
		C		7.41Y	123.5	0.03	2.53	65.13	9	476	80	99					0	0	0	83
018301	PL.11718	B	Consumer	7.51Y	125.2	0.00	0.78	0.54	0	4	1	97	0.00	0.0	1.580	0.000	4	1	1	1
018392	PL.11718	B	Consumer	7.51Y	125.2	0.00	0.78	0.00	0	0	0	100	0.00	0.0	1.580	0.000	0	0	1	1
018340	PL.11718	B	Consumer	7.51Y	125.2	0.00	0.78	0.00	0	0	0	100	0.00	0.0	1.580	0.000	0	0	0	0
PL.4865	PL.11718	A	336ACSR	7.44Y	123.9	0.03	2.07	65.58	9	481	83	99	0.31	0.0	1.690	0.110	0	0	0	84
		B		7.51Y	125.2	0.01	0.79	34.91	5	259	44	99					0	0	0	49
		C		7.40Y	123.4	0.07	2.60	65.13	9	476	80	99					0	0	0	83
PL.5830	PL.4865	A	336ACSR	7.43Y	123.9	0.01	2.08	65.58	9	481	83	99	0.12	0.0	1.735	0.044	0	0	0	84
		B		7.51Y	125.2	0.00	0.79	24.68	3	183	31	99					0	0	0	35
		C		7.40Y	123.4	0.03	2.63	65.13	9	476	79	99					0	0	0	83

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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.5831	PL.5830	A	336ACSR	7.43Y	123.9	0.02	2.11	65.58	9	481	83	99	0.22	0.0	1.816	0.082	0	0	0	84
		B		7.51Y	125.2	0.00	0.79	24.68	3	183	31	99					0	0	0	35
		C		7.40Y	123.3	0.06	2.69	65.13	9	476	79	99					0	0	0	83
PL.11719	PL.5831	A	336ACSR	7.43Y	123.9	0.03	2.13	65.58	9	480	82	99	0.29	0.0	1.926	0.109	0	0	0	84
		B		7.51Y	125.2	0.00	0.80	24.68	3	183	31	99					0	0	0	35
		C		7.39Y	123.2	0.07	2.76	64.81	9	473	79	99					0	0	0	82
PL.11720	PL.11719	A	336ACSR	7.43Y	123.9	0.01	2.14	63.61	9	466	80	99	0.05	0.0	1.947	0.022	0	0	0	82
		B		7.51Y	125.2	-0.00	0.79	21.24	3	158	25	99					0	0	0	29
		C		7.39Y	123.2	0.01	2.78	63.36	9	462	77	99					0	0	0	81
018355	PL.11720	B	Consumer	7.51Y	125.2	0.00	0.79	0.88	0	7	1	99	0.00	0.0	1.947	0.000	7	1	1	1
PL.11721	PL.11720	A	336ACSR	7.43Y	123.9	0.01	2.15	63.61	9	466	79	99	0.09	0.0	1.981	0.034	0	0	0	82
		B		7.51Y	125.2	-0.00	0.79	20.36	3	151	24	99					0	0	0	28
		C		7.39Y	123.2	0.02	2.80	63.36	9	462	77	99					0	0	0	81
018354	PL.11721	B	Consumer	7.51Y	125.2	0.00	0.79	0.17	0	1	0	100	0.00	0.0	1.981	0.000	1	0	1	1
018353	PL.11721	B	Consumer	7.51Y	125.2	0.00	0.79	0.00	0	0	0	100	0.00	0.0	1.981	0.000	0	0	0	0
018358	PL.11721	C	Consumer	7.39Y	123.2	0.00	2.80	1.75	0	13	2	99	0.00	0.0	1.981	0.000	13	2	1	1
018352	PL.11721	B	Consumer	7.51Y	125.2	0.00	0.79	2.10	0	16	3	98	0.00	0.0	1.981	0.000	16	3	1	1
PL.11722	PL.11721	A	336ACSR	7.43Y	123.8	0.02	2.17	63.61	9	466	79	99	0.22	0.0	2.071	0.090	0	0	0	82
		B		7.51Y	125.2	-0.00	0.79	18.09	2	134	22	99					0	0	0	26
		C		7.39Y	123.1	0.06	2.86	61.60	8	449	74	99					0	0	0	80
PL.18746	PL.11722	A	336ACSR	7.43Y	123.8	0.00	2.17	44.16	6	323	56	99	0.01	0.0	2.078	0.006	0	0	0	59
		B		7.51Y	125.2	-0.00	0.79	18.09	2	134	22	99					0	0	0	26
		C		7.39Y	123.1	0.00	2.86	35.69	5	260	44	99					0	0	0	43
PD.149-A	PL.18746	A	Closed	7.43Y	123.8	0.00	2.17	44.16	0	323	56	99	0.00	0.0	2.078	0.000	0	0	0	59
		B		7.51Y	125.2	0.00	0.79	18.09	0	134	22	99					0	0	0	26
		C		7.39Y	123.1	0.00	2.86	35.69	0	260	44	99					0	0	0	43
PD.149-B	PD.149-A	A	Closed	7.43Y	123.8	0.00	2.17	44.16	0	323	56	99	0.00	0.0	2.078	0.000	0	0	0	59
		B		7.51Y	125.2	0.00	0.79	18.09	0	134	22	99					0	0	0	26
		C		7.39Y	123.1	0.00	2.86	35.69	0	260	44	99					0	0	0	43
PL.18747	PD.149-B	A	336ACSR	7.43Y	123.8	0.01	2.18	44.16	6	323	56	99	0.04	0.0	2.113	0.036	0	0	0	59
		B		7.51Y	125.2	-0.00	0.79	18.09	2	134	22	99					0	0	0	26
		C		7.39Y	123.1	0.01	2.88	35.69	5	260	44	99					0	0	0	43
PL.9944	PL.18747	A	336ACSR	7.43Y	123.8	0.01	2.19	44.16	6	323	56	99	0.06	0.0	2.176	0.062	0	0	0	59
		B		7.51Y	125.2	-0.00	0.79	17.28	2	128	21	99					0	0	0	25
		C		7.39Y	123.1	0.02	2.90	35.69	5	260	44	99					0	0	0	43
PL.17483	PL.9944	A	4ACSR	7.43Y	123.8	0.00	2.19	0.64	0	5	1	98	0.00	0.0	2.181	0.005	0	0	0	1
PD.1805	PL.17483	A	fuse6AMP	7.43Y	123.8	0.00	2.19	0.64	11	5	1	98	0.00	0.0	2.181	0.000	0	0	0	1
PL.17484	PD.1805	A	4ACSR	7.43Y	123.8	0.00	2.20	0.64	0	5	1	98	0.00	0.0	2.209	0.029	0	0	0	1
019360	PL.17484	A	Consumer	7.43Y	123.8	0.00	2.20	0.64	0	5	1	98	0.00	0.0	2.209	0.000	5	1	1	1
PL.9945	PL.9944	A	336ACSR	7.43Y	123.8	0.01	2.20	43.52	6	319	55	99	0.03	0.0	2.205	0.029	0	0	0	57
		B		7.51Y	125.2	-0.00	0.79	17.28	2	128	21	99					0	0	0	25
		C		7.39Y	123.1	0.01	2.91	35.69	5	260	43	99					0	0	0	43
PL.18640	PL.9945	B	4ACSR	7.51Y	125.2	0.00	0.79	1.11	1	8	1	99	0.00	0.0	2.210	0.005	0	0	0	1
PD.1804	PL.18640	B	fuse6AMP	7.51Y	125.2	0.00	0.79	1.11	19	8	1	99	0.00	0.0	2.210	0.000	0	0	0	1
PL.18641	PD.1804	B	4ACSR	7.51Y	125.2	0.00	0.79	1.11	1	8	1	99	0.00	0.0	2.271	0.061	0	0	0	1
019370	PL.18641	B	Consumer	7.51Y	125.2	0.00	0.79	1.11	0	8	1	99	0.00	0.0	2.271	0.000	8	1	1	1
PL.9946	PL.9945	A	336ACSR	7.43Y	123.8	0.02	2.22	43.52	6	319	55	99	0.08	0.0	2.286	0.081	0	0	0	57
		B		7.51Y	125.2	-0.00	0.79	16.17	2	120	19	99					0	0	0	24
		C		7.38Y	123.1	0.03	2.94	35.69	5	260	43	99					0	0	0	43
019305	PL.9946	A	Consumer	7.43Y	123.8	0.00	2.22	0.00	0	0	0	100	0.00	0.0	2.286	0.000	0	0	0	0

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

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.4862	PL.9946	A	336ACSR	7.43Y	123.8	0.02	2.24	43.52	6	318	55	99	0.08	0.0	2.362	0.076	0	0	0	57
		B		7.51Y	125.2	-0.00	0.79	16.17	2	120	19	99					0	0	0	24
		C		7.38Y	123.0	0.03	2.97	35.69	5	260	43	99					0	0	0	43
PL.18838	PL.4862	C	4ACSR	7.38Y	123.0	0.00	2.97	1.38	1	10	2	98	0.00	0.0	2.368	0.006	0	0	0	4
PD.1807	PL.18838	C	fuse6AMP	7.38Y	123.0	0.00	2.97	1.38	23	10	2	98	0.00	0.0	2.368	0.000	0	0	0	4
PL.18839	PD.1807	C	4ACSR	7.38Y	123.0	0.00	2.97	1.38	1	10	2	98	0.00	0.0	2.382	0.013	0	0	0	4
019343	PL.18839	C	Consumer	7.38Y	123.0	0.00	2.97	0.19	0	1	0	100	0.00	0.0	2.382	0.000	1	0	1	1
019314	PL.18839	C	Consumer	7.38Y	123.0	0.00	2.97	0.00	0	0	0	100	0.00	0.0	2.382	0.000	0	0	1	1
PL.9947	PL.18839	C	4ACSR	7.38Y	123.0	0.00	2.98	1.18	1	9	1	99	0.00	0.0	2.400	0.018	0	0	0	2
PL.1562	PL.9947	C	4ACSR	7.38Y	123.0	0.00	2.98	0.35	0	3	0	100	0.00	0.0	2.433	0.033	0	0	0	1
PL.1563	PL.1562	C	4ACSR	7.38Y	123.0	0.00	2.98	0.35	0	3	0	100	0.00	0.0	2.463	0.030	0	0	0	1
PL.1564	PL.1563	C	4ACSR	7.38Y	123.0	0.00	2.98	0.35	0	3	0	100	0.00	0.0	2.491	0.028	0	0	0	1
018374	PL.1564	C	Consumer	7.38Y	123.0	0.00	2.98	0.35	0	3	0	100	0.00	0.0	2.491	0.000	3	0	1	1
PL.39127	PL.9947	C	2ACSR	7.38Y	123.0	0.00	2.98	0.83	0	6	1	99	0.00	0.0	2.495	0.095	0	0	0	1
0183135	PL.39127	C	Consumer	7.38Y	123.0	0.00	2.98	0.83	0	6	1	99	0.00	0.0	2.495	0.000	6	1	1	1
PL.4863	PL.4862	A	336ACSR	7.42Y	123.7	0.03	2.27	43.52	6	318	55	99	0.12	0.0	2.483	0.120	0	0	0	57
		B		7.51Y	125.2	-0.00	0.78	16.17	2	120	19	99					0	0	0	24
		C		7.38Y	123.0	0.04	3.02	34.31	5	250	42	99					0	0	0	39
PL.9948	PL.4863	A	336ACSR	7.42Y	123.7	0.01	2.28	43.52	6	318	55	99	0.04	0.0	2.527	0.044	0	0	0	57
		B		7.51Y	125.2	-0.00	0.78	16.17	2	120	19	99					0	0	0	24
		C		7.38Y	123.0	0.02	3.03	33.06	5	241	40	99					0	0	0	38
PL.20907	PL.9948	A	4ACSR	7.42Y	123.7	0.00	2.28	0.60	0	4	1	97	0.00	0.0	2.533	0.007	0	0	0	1
PD.1915	PL.20907	A	fuse6AMP	7.42Y	123.7	0.00	2.28	0.60	10	4	1	97	0.00	0.0	2.533	0.000	0	0	0	1
PL.20908	PD.1915	A	4ACSR	7.42Y	123.7	0.00	2.28	0.60	0	4	1	97	0.00	0.0	2.564	0.031	0	0	0	1
019398	PL.20908	A	Consumer	7.42Y	123.7	0.00	2.28	0.60	0	4	1	97	0.00	0.0	2.564	0.000	4	1	1	1
PL.24534	PL.20908	A	4ACSR	7.42Y	123.7	0.00	2.28	0.00	0	0	0	100	0.00	0.0	2.621	0.057	0	0	0	0
PL.20598	PL.9948	B	4ACSR	7.51Y	125.2	0.00	0.78	1.31	1	10	2	98	0.00	0.0	2.533	0.006	0	0	0	1
PD.1916	PL.20598	B	fuse6AMP	7.51Y	125.2	0.00	0.78	1.31	22	10	2	98	0.00	0.0	2.533	0.000	0	0	0	1
PL.20597	PD.1916	B	4ACSR	7.51Y	125.2	0.00	0.79	1.31	1	10	2	98	0.00	0.0	2.597	0.065	0	0	0	1
0183118	PL.20597	B	Consumer	7.51Y	125.2	0.00	0.79	1.31	0	10	2	98	0.00	0.0	2.597	0.000	10	2	1	1
PL.11400	PL.9948	A	336ACSR	7.42Y	123.7	0.01	2.29	42.91	6	314	54	99	0.05	0.0	2.584	0.057	0	0	0	56
		B		7.51Y	125.2	-0.00	0.78	14.86	2	110	18	99					0	0	0	23
		C		7.38Y	122.9	0.02	3.06	33.06	5	241	40	99					0	0	0	38
0192112	PL.11400	A	Consumer	7.42Y	123.7	0.00	2.29	1.28	0	9	2	98	0.00	0.0	2.584	0.000	9	2	1	1
019283	PL.11400	C	Consumer	7.38Y	122.9	0.00	3.06	0.37	0	3	0	100	0.00	0.0	2.584	0.000	3	0	1	1
0192105	PL.11400	C	Consumer	7.38Y	122.9	0.00	3.06	0.08	0	1	0	100	0.00	0.0	2.584	0.000	1	0	1	1
PL.11401	PL.11400	A	336ACSR	7.42Y	123.7	0.01	2.30	41.64	6	305	52	99	0.05	0.0	2.645	0.061	0	0	0	55
		B		7.51Y	125.2	-0.00	0.78	14.86	2	110	18	99					0	0	0	23
		C		7.38Y	122.9	0.02	3.08	32.61	4	237	39	99					0	0	0	36
PL.16688	PL.11401	A	4ACSR	7.42Y	123.7	0.00	2.30	0.75	0	6	1	99	0.00	0.0	2.652	0.007	0	0	0	3
PD.1917	PL.16688	A	fuse6AMP	7.42Y	123.7	0.00	2.30	0.75	13	6	1	99	0.00	0.0	2.652	0.000	0	0	0	3
PL.16689	PD.1917	A	4ACSR	7.42Y	123.7	0.00	2.31	0.75	0	6	1	99	0.00	0.0	2.782	0.130	0	0	0	3
019264	PL.16689	A	Consumer	7.42Y	123.7	0.00	2.31	0.27	0	2	0	100	0.00	0.0	2.782	0.000	2	0	1	1

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.1636	PL.16689	A	4ACSR	7.42Y	123.7	0.00	2.31	0.48	0	4	1	97	0.00	0.0	2.884	0.102	0	0	0	2
PL.33012	PL.1636	A	4ACSR	7.42Y	123.7	0.00	2.31	0.00	0	0	0	100	0.00	0.0	2.923	0.040	0	0	0	1
0182031	PL.33012	A	Consumer	7.42Y	123.7	0.00	2.31	0.00	0	0	0	100	0.00	0.0	2.923	0.000	0	0	1	1
018230	PL.1636	A	Consumer	7.42Y	123.7	0.00	2.31	0.48	0	4	1	97	0.00	0.0	2.884	0.000	4	1	1	1
PL.11402	PL.11401	A	336ACSR	7.42Y	123.7	0.00	2.31	40.88	6	299	51	99	0.02	0.0	2.664	0.019	0	0	0	52
		B		7.51Y	125.2	-0.00	0.78	14.86	2	110	18	99					0	0	0	23
		C		7.37Y	122.9	0.01	3.08	32.61	4	237	39	99					0	0	0	36
PL.11403	PL.11402	A	336ACSR	7.42Y	123.7	0.01	2.32	38.24	5	280	45	99	0.05	0.0	2.723	0.059	0	0	0	49
		B		7.51Y	125.2	-0.00	0.78	14.86	2	110	18	99					0	0	0	23
		C		7.37Y	122.9	0.02	3.10	32.61	4	237	39	99					0	0	0	36
PL.71	PL.11403	A	336ACSR	7.42Y	123.7	0.02	2.34	25.61	4	188	30	99	0.14	0.0	2.980	0.257	0	0	0	29
		B		7.51Y	125.2	0.02	0.80	14.86	2	110	18	99					0	0	0	23
		C		7.37Y	122.8	0.08	3.18	32.61	4	237	39	99					0	0	0	36
PL.45244	PL.71	A	4ACSR	7.42Y	123.7	0.00	2.34	10.13	5	74	12	99	0.00	0.0	2.988	0.008	0	0	0	13
PD.3365	PL.45244	A	35V4E	7.42Y	123.7	0.00	2.34	10.13	29	74	12	99	0.00	0.0	2.988	0.000	0	0	0	13
PL.45245	PD.3365	A	4ACSR	7.42Y	123.6	0.03	2.37	10.13	5	74	12	99	0.02	0.0	3.057	0.069	0	0	0	13
019271	PL.45245	A	Consumer	7.42Y	123.6	0.00	2.37	0.00	0	0	0	100	0.00	0.0	3.057	0.000	0	0	0	0
019270	PL.45245	A	Consumer	7.42Y	123.6	0.00	2.37	0.88	0	6	1	99	0.00	0.0	3.057	0.000	6	1	1	1
PL.11775	PL.45245	A	4ACSR	7.42Y	123.6	0.03	2.40	9.25	5	68	11	99	0.01	0.0	3.123	0.066	0	0	0	12
PL.45169	PL.11775	A	4ACSR	7.42Y	123.6	0.00	2.40	4.45	2	33	5	99	0.00	0.0	3.130	0.006	0	0	0	6
PD.8600-A	PL.45169	A	Closed	7.42Y	123.6	0.00	2.40	4.45	0	33	5	99	0.00	0.0	3.130	0.000	0	0	0	6
PD.8600-B	PD.8600-A	A	Closed	7.42Y	123.6	0.00	2.40	4.45	0	33	5	99	0.00	0.0	3.130	0.000	0	0	0	6
PL.45170	PD.8600-B	A	4ACSR	7.42Y	123.6	0.01	2.41	4.45	2	33	5	99	0.00	0.0	3.176	0.046	0	0	0	6
PL.5760	PL.45170	A	4ACSR	7.42Y	123.6	0.01	2.41	4.45	2	33	5	99	0.00	0.0	3.211	0.035	0	0	0	6
019248	PL.5760	A	Consumer	7.42Y	123.6	0.00	2.41	0.80	0	6	1	99	0.00	0.0	3.211	0.000	6	1	1	1
019261	PL.5760	A	Consumer	7.42Y	123.6	0.00	2.41	0.00	0	0	0	100	0.00	0.0	3.211	0.000	0	0	0	0
019211	019261	A	Consumer	7.42Y	123.6	0.00	2.41	0.00	0	0	0	100	0.00	0.0	3.211	0.000	0	0	0	0
019214	019261	A	Consumer	7.42Y	123.6	0.00	2.41	0.00	0	0	0	100	0.00	0.0	3.211	0.000	0	0	0	0
019227	PL.5760	A	Consumer	7.42Y	123.6	0.00	2.41	0.23	0	2	0	100	0.00	0.0	3.211	0.000	2	0	1	1
PL.28092	PL.5760	A	4ACSR	7.41Y	123.6	0.01	2.42	3.42	2	25	4	99	0.00	0.0	3.263	0.052	0	0	0	4
PD.1913	PL.28092	A	fuse6AMP	7.41Y	123.6	0.00	2.42	3.42	58	25	4	99	0.00	0.0	3.263	0.000	0	0	0	4
PL.28093	PD.1913	A	4ACSR	7.41Y	123.6	0.00	2.42	3.42	2	25	4	99	0.00	0.0	3.274	0.011	0	0	0	4
019240	PL.28093	A	Consumer	7.41Y	123.6	0.00	2.42	0.03	0	0	0	100	0.00	0.0	3.274	0.000	0	0	1	1
PL.19069	PL.28093	A	4ACSR	7.41Y	123.6	0.01	2.43	3.39	2	25	4	99	0.00	0.0	3.330	0.056	0	0	0	3
PL.19070	PL.19069	A	4ACSR	7.41Y	123.6	0.00	2.44	3.39	2	25	4	99	0.00	0.0	3.364	0.033	0	0	0	3
PL.17482	PL.19070	A	4ACSR	7.41Y	123.6	0.00	2.44	0.00	0	0	0	100	0.00	0.0	3.373	0.010	0	0	0	0
PD.152-B	PL.17482	A	Open	7.41Y	123.6	0.00	2.44	0.00	0	0	0	100	0.00	0.0	3.373	0.000	0	0	0	0
PL.45246	PL.19070	A	4ACSR	7.41Y	123.6	0.00	2.44	1.29	1	9	2	98	0.00	0.0	3.376	0.013	0	0	0	1
PD.8630	PL.45246	A	fuse6AMP	7.41Y	123.6	0.00	2.44	1.29	22	9	2	98	0.00	0.0	3.376	0.000	0	0	0	1
PL.45247	PD.8630	A	4ACSR	7.41Y	123.6	0.00	2.44	1.29	1	9	2	98	0.00	0.0	3.394	0.018	0	0	0	1
PL.4633	PL.45247	A	4ACSR	7.41Y	123.6	0.00	2.44	1.29	1	9	2	98	0.00	0.0	3.415	0.021	0	0	0	1

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

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
070249	PL.4633	A	Consumer	7.41Y	123.6	0.00	2.44	1.29	0	9	2	98	0.00	0.0	3.415	0.000	9	2	1	1
070248	PL.4633	A	Consumer	7.41Y	123.6	0.00	2.44	0.00	0	0	0	100	0.00	0.0	3.415	0.000	0	0	0	0
019216	PL.19070	A	Consumer	7.41Y	123.6	0.00	2.44	1.51	0	11	2	98	0.00	0.0	3.364	0.000	11	2	1	1
019250	PL.19070	A	Consumer	7.41Y	123.6	0.00	2.44	0.00	0	0	0	100	0.00	0.0	3.364	0.000	0	0	0	0
019224	PL.19070	A	Consumer	7.41Y	123.6	0.00	2.44	0.59	0	4	1	97	0.00	0.0	3.364	0.000	4	1	1	1
019220	PL.19069	A	Consumer	7.41Y	123.6	0.00	2.43	0.00	0	0	0	100	0.00	0.0	3.330	0.000	0	0	0	0
019268	PL.11775	A	Consumer	7.42Y	123.6	0.00	2.40	0.76	0	6	1	99	0.00	0.0	3.123	0.000	6	1	1	1
PL.45171	PL.11775	A	4ACSR	7.42Y	123.6	0.00	2.40	4.03	2	30	5	99	0.00	0.0	3.135	0.012	0	0	0	5
PD.8601	PL.45171	A	fuse6AMP	7.42Y	123.6	0.00	2.40	4.03	69	30	5	99	0.00	0.0	3.135	0.000	0	0	0	5
PL.45172	PD.8601	A	4ACSR	7.42Y	123.6	0.00	2.40	4.03	2	30	5	99	0.00	0.0	3.164	0.028	0	0	0	5
PL.24537	PL.45172	A	4ACSR	7.42Y	123.6	0.01	2.41	4.03	2	30	5	99	0.00	0.0	3.210	0.046	0	0	0	5
019231	PL.24537	A	Consumer	7.42Y	123.6	0.00	2.41	0.55	0	4	1	97	0.00	0.0	3.210	0.000	4	1	1	1
019222	PL.24537	A	Consumer	7.42Y	123.6	0.00	2.41	0.46	0	3	1	95	0.00	0.0	3.210	0.000	3	1	1	1
019260	PL.24537	A	Consumer	7.42Y	123.6	0.00	2.41	0.00	0	0	0	100	0.00	0.0	3.210	0.000	0	0	0	0
019226	PL.24537	A	Consumer	7.42Y	123.6	0.00	2.41	0.35	0	3	0	100	0.00	0.0	3.210	0.000	3	0	1	1
019234	PL.24537	A	Consumer	7.42Y	123.6	0.00	2.41	0.55	0	4	1	97	0.00	0.0	3.210	0.000	4	1	1	1
019221	PL.24537	A	Consumer	7.42Y	123.6	0.00	2.41	2.12	0	15	2	99	0.00	0.0	3.210	0.000	15	2	1	1
PL.17418	PL.71	A	336ACSR	7.42Y	123.7	-0.00	2.34	15.48	2	113	18	99	0.00	0.0	2.989	0.009	0	0	0	16
		B		7.51Y	125.2	0.00	0.80	14.86	2	110	18	99					0	0	0	23
		C		7.37Y	122.8	0.00	3.18	32.61	4	237	39	99					0	0	0	36
PL.18301	PL.17418	A	336ACSR	7.42Y	123.7	-0.00	2.34	15.48	2	113	18	99	0.03	0.0	3.052	0.062	0	0	0	16
		B		7.51Y	125.2	0.01	0.81	14.86	2	110	18	99					0	0	0	23
		C		7.37Y	122.8	0.02	3.20	32.61	4	237	39	99					0	0	0	36
PD.148-A	PL.18301	A	Closed	7.42Y	123.7	0.00	2.34	15.48	0	113	18	99	0.00	0.0	3.052	0.000	0	0	0	16
		B		7.51Y	125.2	0.00	0.81	14.86	0	110	18	99					0	0	0	23
		C		7.37Y	122.8	0.00	3.20	32.61	0	237	39	99					0	0	0	36
PD.148-B	PD.148-A	A	Closed	7.42Y	123.7	0.00	2.34	15.48	0	113	18	99	0.00	0.0	3.052	0.000	0	0	0	16
		B		7.51Y	125.2	0.00	0.81	14.86	0	110	18	99					0	0	0	23
		C		7.37Y	122.8	0.00	3.20	32.61	0	237	39	99					0	0	0	36
PL.18302	PD.148-B	A	336ACSR	7.42Y	123.7	-0.00	2.34	15.48	2	113	18	99	0.00	0.0	3.055	0.004	0	0	0	16
		B		7.51Y	125.2	0.00	0.81	14.86	2	110	18	99					0	0	0	23
		C		7.37Y	122.8	0.00	3.20	32.61	4	237	39	99					0	0	0	36
0192107	PL.18302	B	Consumer	7.51Y	125.2	0.00	0.81	1.03	0	8	1	99	0.00	0.0	3.055	0.000	8	1	1	1
PL.6095	PL.18302	A	336ACSR	7.42Y	123.7	-0.00	2.33	15.48	2	113	18	99	0.03	0.0	3.130	0.075	0	0	0	16
		B		7.51Y	125.2	0.01	0.82	13.84	2	103	17	99					0	0	0	22
		C		7.37Y	122.8	0.02	3.22	32.61	4	237	39	99					0	0	0	36
PL.11773	PL.6095	A	336ACSR	7.42Y	123.7	-0.00	2.33	15.48	2	113	18	99	0.00	0.0	3.137	0.007	0	0	0	16
		B		7.51Y	125.2	0.00	0.82	13.84	2	103	17	99					0	0	0	22
		C		7.37Y	122.8	0.00	3.22	32.61	4	237	39	99					0	0	0	36
PL.11774	PL.11773	A	336ACSR	7.42Y	123.7	-0.01	2.33	15.48	2	113	18	99	0.09	0.0	3.347	0.210	0	0	0	16
		B		7.51Y	125.1	0.03	0.85	13.84	2	103	17	99					0	0	0	22
		C		7.36Y	122.7	0.06	3.28	32.61	4	237	39	99					0	0	0	36
PL.8148	PL.11774	A	336ACSR	7.42Y	123.7	-0.00	2.32	15.48	2	113	18	99	0.03	0.0	3.410	0.063	0	0	0	16
		B		7.51Y	125.1	0.01	0.86	13.43	2	100	16	99					0	0	0	21
		C		7.36Y	122.7	0.02	3.30	32.61	4	237	39	99					0	0	0	36
PL.11767	PL.8148	A	336ACSR	7.42Y	123.7	-0.00	2.32	15.48	2	113	18	99	0.01	0.0	3.440	0.030	0	0	0	16
		B		7.51Y	125.1	0.00	0.86	13.43	2	100	16	99					0	0	0	21
		C		7.36Y	122.7	0.01	3.30	29.61	4	215	35	99					0	0	0	33

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
070240	PL.11767	C	Consumer	7.36Y	122.7	0.00	3.30	0.16	0	1	1	71	0.00	0.0	3.440	0.000	1	1	1	1
PL.11768	PL.11767	A	336ACSR	7.42Y	123.7	-0.00	2.32	15.48	2	113	18	99	0.01	0.0	3.472	0.031	0	0	0	16
		B		7.51Y	125.1	0.00	0.87	13.43	2	100	16	99					0	0	0	21
		C		7.36Y	122.7	0.01	3.31	29.45	4	214	35	99					0	0	0	32
PL.27068	PL.11768	C	4ACSR	7.36Y	122.7	0.00	3.31	1.53	1	11	2	98	0.00	0.0	3.477	0.006	0	0	0	2
PD.3266	PL.27068	C	fuse6AMP	7.36Y	122.7	0.00	3.31	1.53	26	11	2	98	0.00	0.0	3.477	0.000	0	0	0	2
PL.27069	PD.3266	C	4ACSR	7.36Y	122.7	0.00	3.31	1.53	1	11	2	98	0.00	0.0	3.527	0.050	0	0	0	2
070259	PL.27069	C	Consumer	7.36Y	122.7	0.00	3.31	0.33	0	2	0	100	0.00	0.0	3.527	0.000	2	0	1	1
PL.11771	PL.27069	C	4ACSR	7.36Y	122.7	0.00	3.32	1.20	1	9	1	99	0.00	0.0	3.623	0.096	0	0	0	1
070260	PL.11771	C	Consumer	7.36Y	122.7	0.00	3.32	1.20	0	9	1	99	0.00	0.0	3.623	0.000	9	1	1	1
PL.11766	PL.11768	A	336ACSR	7.42Y	123.7	0.00	2.32	15.48	2	113	18	99	0.01	0.0	3.511	0.040	0	0	0	16
		B		7.51Y	125.1	0.00	0.87	13.43	2	100	16	99					0	0	0	21
		C		7.36Y	122.7	0.01	3.32	27.93	4	203	33	99					0	0	0	30
PL.27060	PL.11766	A	336ACSR	7.42Y	123.7	0.00	2.33	15.48	2	113	18	99	0.00	0.0	3.516	0.004	0	0	0	16
		B		7.51Y	125.1	0.00	0.87	13.43	2	100	16	99					0	0	0	21
		C		7.36Y	122.7	-0.00	3.32	0.00	0	0	0	100					0	0	0	0
PL.42165	PL.27060	A	336ACSR	7.42Y	123.7	0.02	2.35	15.48	2	113	18	99	0.01	0.0	3.617	0.102	0	0	0	16
		B		7.51Y	125.1	0.00	0.88	13.43	2	100	16	99					0	0	0	21
		C		7.36Y	122.7	-0.00	3.32	0.00	0	0	0	100					0	0	0	0
PL.42166	PL.42165	A	336ACSR	7.42Y	123.7	-0.00	2.35	0.51	0	4	1	97	0.00	0.0	3.618	0.001	0	0	0	1
		B		7.51Y	125.1	0.00	0.88	0.00	0	0	0	100					0	0	0	0
		C		7.36Y	122.7	0.00	3.32	0.00	0	0	0	100					0	0	0	0
PL.4774	PL.42166	A	4ACSR	7.42Y	123.7	0.00	2.35	0.51	0	4	1	97	0.00	0.0	3.666	0.048	0	0	0	1
070267	PL.4774	A	Consumer	7.42Y	123.7	0.00	2.35	0.51	0	4	1	97	0.00	0.0	3.666	0.000	4	1	1	1
070265	PL.4774	A	Consumer	7.42Y	123.7	0.00	2.35	0.00	0	0	0	100	0.00	0.0	3.666	0.000	0	0	0	0
PL.4775	PL.42166	A	4ACSR	7.42Y	123.7	0.00	2.35	0.00	0	0	0	100	0.00	0.0	3.686	0.068	0	0	0	0
070216	PL.4775	A	Consumer	7.42Y	123.7	0.00	2.35	0.00	0	0	0	100	0.00	0.0	3.686	0.000	0	0	0	0
PL.42164	PL.42165	A	336ACSR	7.42Y	123.6	0.01	2.36	14.97	2	110	17	99	0.01	0.0	3.677	0.060	0	0	0	15
		B		7.51Y	125.1	0.00	0.88	13.43	2	100	16	99					0	0	0	21
		C		7.36Y	122.7	-0.00	3.31	0.00	0	0	0	100					0	0	0	0
PL.27054	PL.42164	A	4ACSR	7.42Y	123.6	0.00	2.36	14.97	8	110	17	99	0.00	0.0	3.683	0.006	0	0	0	15
PL.27055	PL.27054	A	4ACSR	7.42Y	123.6	0.01	2.37	14.97	8	110	17	99	0.01	0.0	3.694	0.011	0	0	0	15
070213	PL.27055	A	Consumer	7.42Y	123.6	0.00	2.37	0.44	0	3	1	95	0.00	0.0	3.694	0.000	3	1	1	1
070269	PL.27055	A	Consumer	7.42Y	123.6	0.00	2.37	0.45	0	3	1	95	0.00	0.0	3.694	0.000	3	1	1	1
PL.11407	PL.27055	A	4ACSR	7.42Y	123.6	0.01	2.38	14.08	7	103	16	99	0.01	0.0	3.710	0.016	0	0	0	13
PL.15950	PL.11407	A	4ACSR	7.42Y	123.6	0.00	2.38	0.55	0	4	1	97	0.00	0.0	3.715	0.005	0	0	0	1
PD.3278	PL.15950	A	fuse6AMP	7.42Y	123.6	0.00	2.38	0.55	9	4	1	97	0.00	0.0	3.715	0.000	0	0	0	1
PL.15951	PD.3278	A	4ACSR	7.42Y	123.6	0.00	2.38	0.55	0	4	1	97	0.00	0.0	3.762	0.047	0	0	0	1
070214	PL.15951	A	Consumer	7.42Y	123.6	0.00	2.38	0.55	0	4	1	97	0.00	0.0	3.762	0.000	4	1	1	1
PL.15948	PL.11407	A	4ACSR	7.42Y	123.6	0.00	2.38	0.75	0	6	1	99	0.00	0.0	3.715	0.005	0	0	0	1
PD.3277	PL.15948	A	fuse6AMP	7.42Y	123.6	0.00	2.38	0.75	13	6	1	99	0.00	0.0	3.715	0.000	0	0	0	1
PL.15949	PD.3277	A	4ACSR	7.42Y	123.6	0.00	2.38	0.75	0	6	1	99	0.00	0.0	3.770	0.054	0	0	0	1
070223	PL.15949	A	Consumer	7.42Y	123.6	0.00	2.38	0.75	0	6	1	99	0.00	0.0	3.770	0.000	6	1	1	1
070251	PL.15949	A	Consumer	7.42Y	123.6	0.00	2.38	0.00	0	0	0	100	0.00	0.0	3.770	0.000	0	0	0	0

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

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
	PL.15952	PL.11407	A	4ACSR	7.42Y	123.6	0.00	2.38	12.78	7	94	15	99	0.00	0.0	3.715	0.006	0	0	0	11	
	PD.3422	PL.15952	A	25V4E	7.42Y	123.6	0.00	2.38	12.78	51	94	15	99	0.00	0.0	3.715	0.000	0	0	0	11	
	PL.15953	PD.3422	A	4ACSR	7.42Y	123.6	0.00	2.38	12.78	7	94	15	99	0.00	0.0	3.723	0.008	0	0	0	11	
	070221	PL.15953	A	Consumer	7.42Y	123.6	0.00	2.38	0.00	0	0	0	100	0.00	0.0	3.723	0.000	0	0	0	0	
	070231	PL.15953	A	Consumer	7.42Y	123.6	0.00	2.38	0.00	0	0	0	100	0.00	0.0	3.723	0.000	0	0	0	0	
	PL.12059	PL.15953	A	4ACSR	7.42Y	123.6	0.02	2.40	12.78	7	94	15	99	0.01	0.0	3.759	0.036	0	0	0	11	
	PL.12060	PL.12059	A	4ACSR	7.41Y	123.6	0.02	2.42	12.78	7	94	15	99	0.01	0.0	3.787	0.028	0	0	0	11	
	PL.12061	PL.12060	A	4ACSR	7.41Y	123.6	0.02	2.44	12.78	7	94	15	99	0.01	0.0	3.823	0.036	0	0	0	11	
	019259	PL.12061	A	Consumer	7.41Y	123.6	0.00	2.44	0.88	0	6	1	99	0.00	0.0	3.823	0.000	6	1	1	1	
	019243	PL.12061	A	Consumer	7.41Y	123.6	0.00	2.44	0.20	0	1	0	100	0.00	0.0	3.823	0.000	1	0	1	1	
	019269	PL.12061	A	Consumer	7.41Y	123.6	0.00	2.44	2.38	0	17	3	98	0.00	0.0	3.823	0.000	17	3	1	1	
	PL.27892	PL.12061	A	4ACSR	7.41Y	123.5	0.03	2.47	9.32	5	68	11	99	0.02	0.0	3.909	0.086	0	0	0	8	
C	PD.1920	PL.27892	A	fuse6AMP	7.41Y	123.5	0.00	2.47	9.32	159	68	11	99	0.00	0.0	3.909	0.000	0	0	0	8	C
	PL.27893	PD.1920	A	4ACSR	7.41Y	123.5	0.00	2.48	9.32	5	68	11	99	0.00	0.0	3.914	0.005	0	0	0	8	
	PL.12062	PL.27893	A	4ACSR	7.41Y	123.5	0.02	2.50	5.88	3	43	7	99	0.01	0.0	4.012	0.098	0	0	0	6	
	019203	PL.12062	A	Consumer	7.41Y	123.5	0.00	2.50	0.00	0	0	0	100	0.00	0.0	4.012	0.000	0	0	0	0	
	PL.12063	PL.12062	A	4ACSR	7.41Y	123.5	0.02	2.52	5.88	3	43	7	99	0.01	0.0	4.089	0.077	0	0	0	6	
	019219	PL.12063	A	Consumer	7.41Y	123.5	0.00	2.52	1.41	0	10	2	98	0.00	0.0	4.089	0.000	10	2	1	1	
	019262	PL.12063	A	Consumer	7.41Y	123.5	0.00	2.52	0.81	0	6	1	99	0.00	0.0	4.089	0.000	6	1	1	1	
	019274	PL.12063	A	Consumer	7.41Y	123.5	0.00	2.52	0.00	0	0	0	100	0.00	0.0	4.089	0.000	0	0	0	0	
	019238	PL.12063	A	Consumer	7.41Y	123.5	0.00	2.52	1.35	0	10	2	98	0.00	0.0	4.089	0.000	10	2	1	1	
	PL.12064	PL.12063	A	4ACSR	7.41Y	123.5	0.01	2.53	2.33	1	17	2	99	0.00	0.0	4.154	0.065	0	0	0	3	
	PL.45236	PL.12064	A	4ACSR	7.41Y	123.5	0.00	2.53	0.80	0	6	1	99	0.00	0.0	4.162	0.008	0	0	0	1	
	PD.8626	PL.45236	A	fuse6AMP	7.41Y	123.5	0.00	2.53	0.80	14	6	1	99	0.00	0.0	4.162	0.000	0	0	0	1	
	PL.45237	PD.8626	A	4ACSR	7.41Y	123.5	0.00	2.53	0.80	0	6	1	99	0.00	0.0	4.283	0.121	0	0	0	1	
	PL.1638	PL.45237	A	4ACSR	7.41Y	123.5	0.00	2.53	0.00	0	0	0	100	0.00	0.0	4.348	0.064	0	0	0	0	
	PL.46077	PL.1638	A	2ACSR	7.41Y	123.5	0.00	2.53	0.00	0	0	0	100	0.00	0.0	4.405	0.058	0	0	0	0	
	0192117	PL.46077	A	Consumer	7.41Y	123.5	0.00	2.53	0.00	0	0	0	100	0.00	0.0	4.405	0.000	0	0	0	0	
	PL.12066	PL.45237	A	4ACSR	7.41Y	123.5	0.01	2.54	0.81	0	6	1	99	0.00	0.0	4.494	0.210	0	0	0	1	
	PL.43795	PL.12066	A	2ACSR	7.41Y	123.5	0.00	2.54	0.00	0	0	0	100	0.00	0.0	4.580	0.086	0	0	0	0	
	0192114	PL.43795	A	Consumer	7.41Y	123.5	0.00	2.54	0.00	0	0	0	100	0.00	0.0	4.580	0.000	0	0	0	0	
	0192109	PL.12066	A	Consumer	7.41Y	123.5	0.00	2.54	0.81	0	6	1	99	0.00	0.0	4.494	0.000	6	1	1	1	
P	PL.1637	PL.45237	A	4ACSR	7.41Y	123.5	-0.00	2.53	-0.05	0	0	0	100	0.00	0.0	4.336	0.053	0	0	0	0	P
P	PL.43712	PL.1637	A	2ACSR	7.41Y	123.5	-0.00	2.53	-0.05	0	0	0	100	0.00	0.0	4.408	0.072	0	0	0	0	P
P	PL.43714	PL.43712	A	1/0EPRJCN	7.41Y	123.5	-0.00	2.53	-0.05	0	0	0	100	0.00	0.0	4.437	0.029	0	0	0	0	P
P	PL.43715	PL.43714	A	1/0EPRJCN	7.41Y	123.5	-0.00	2.53	-0.03	0	0	0	100	0.00	0.0	4.493	0.056	0	0	0	0	P
	0192118	PL.43715	A	Consumer	7.41Y	123.5	0.00	2.53	0.00	0	0	0	100	0.00	0.0	4.493	0.000	0	0	0	0	
	0192115	PL.43715	A	Consumer	7.41Y	123.5	0.00	2.53	0.00	0	0	0	100	0.00	0.0	4.493	0.000	0	0	0	0	

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

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
0192113	PL.43714	A	Consumer	7.41Y	123.5	0.00	2.53	0.00	0	0	0	100	0.00	0.0	4.437	0.000	0	0	0	0
PL.45234	PL.12064	A	4ACSR	7.41Y	123.5	0.00	2.53	1.53	1	11	2	98	0.00	0.0	4.159	0.005	0	0	0	2
PD.8625-A	PL.45234	A	Closed	7.41Y	123.5	0.00	2.53	1.53	0	11	2	98	0.00	0.0	4.159	0.000	0	0	0	2
PD.8625-B	PD.8625-A	A	Closed	7.41Y	123.5	0.00	2.53	1.53	0	11	2	98	0.00	0.0	4.159	0.000	0	0	0	2
PL.45235	PD.8625-B	A	4ACSR	7.41Y	123.5	0.00	2.53	1.53	1	11	2	98	0.00	0.0	4.214	0.055	0	0	0	2
PL.11286	PL.45235	A	4ACSR	7.41Y	123.5	0.00	2.53	0.33	0	2	0	100	0.00	0.0	4.257	0.043	0	0	0	1
0192110	PL.11286	A	Consumer	7.41Y	123.5	0.00	2.53	0.33	0	2	0	100	0.00	0.0	4.257	0.000	2	0	1	1
PL.11287	PL.11286	A	4ACSR	7.41Y	123.5	0.00	2.53	0.00	0	0	0	100	0.00	0.0	4.350	0.092	0	0	0	0
019236	PL.11287	A	Consumer	7.41Y	123.5	0.00	2.53	0.00	0	0	0	100	0.00	0.0	4.350	0.000	0	0	0	0
019201	PL.11287	A	Consumer	7.41Y	123.5	0.00	2.53	0.00	0	0	0	100	0.00	0.0	4.350	0.000	0	0	0	0
PL.11288	PL.11287	A	4ACSR	7.41Y	123.5	0.00	2.53	0.00	0	0	0	100	0.00	0.0	4.763	0.413	0	0	0	0
PL.16684	PL.11288	A	4ACSR	7.41Y	123.5	0.00	2.53	0.00	0	0	0	100	0.00	0.0	4.768	0.005	0	0	0	0
PD.153-A	PL.16684	A	Open	7.41Y	123.5	0.00	2.53	0.00	0	0	0	100	0.00	0.0	4.768	0.000	0	0	0	0
PL.11289	PL.11288	A	4ACSR	7.41Y	123.5	0.00	2.53	0.00	0	0	0	100	0.00	0.0	4.809	0.045	0	0	0	0
PL.11290	PL.11289	A	4ACSR	7.41Y	123.5	0.00	2.53	0.00	0	0	0	100	0.00	0.0	5.088	0.279	0	0	0	0
PL.1539	PL.11290	A	4ACSR	7.41Y	123.5	0.00	2.53	0.00	0	0	0	100	0.00	0.0	5.158	0.070	0	0	0	0
PL.11291	PL.11290	A	4ACSR	7.41Y	123.5	0.00	2.53	0.00	0	0	0	100	0.00	0.0	5.182	0.094	0	0	0	0
PL.1538	PL.11288	A	4ACSR	7.41Y	123.5	0.00	2.53	0.00	0	0	0	100	0.00	0.0	4.880	0.117	0	0	0	0
0192111	PL.45235	A	Consumer	7.41Y	123.5	0.00	2.53	1.20	0	9	1	99	0.00	0.0	4.214	0.000	9	1	1	1
PL.20467	PL.27893	A	4ACSR	7.41Y	123.5	0.00	2.48	3.44	2	25	4	99	0.00	0.0	3.920	0.006	0	0	0	2
PD.1919	PL.20467	A	fuse6AMP	7.41Y	123.5	0.00	2.48	3.44	59	25	4	99	0.00	0.0	3.920	0.000	0	0	0	2
PL.20468	PD.1919	A	4ACSR	7.41Y	123.5	0.01	2.48	3.44	2	25	4	99	0.00	0.0	3.969	0.050	0	0	0	2
0192108	PL.20468	A	Consumer	7.41Y	123.5	0.00	2.48	1.37	0	10	2	98	0.00	0.0	3.969	0.000	10	2	1	1
019258	PL.20468	A	Consumer	7.41Y	123.5	0.00	2.48	2.06	0	15	2	99	0.00	0.0	3.969	0.000	15	2	1	1
PL.1639	PL.27893	A	4ACSR	7.41Y	123.5	0.00	2.48	0.00	0	0	0	100	0.00	0.0	3.936	0.022	0	0	0	0
019267	PL.1639	A	Consumer	7.41Y	123.5	0.00	2.48	0.00	0	0	0	100	0.00	0.0	3.936	0.000	0	0	0	0
PL.8147	PL.42164	B	4ACSR	7.50Y	125.1	0.06	0.93	13.43	7	100	16	99	0.04	0.0	3.774	0.097	0	0	0	21
070206	PL.8147	B	Consumer	7.50Y	125.1	0.00	0.93	0.62	0	5	1	98	0.00	0.0	3.774	0.000	5	1	1	1
PL.12057	PL.8147	B	4ACSR	7.50Y	125.0	0.03	0.96	12.81	7	95	15	99	0.02	0.0	3.828	0.054	0	0	0	20
PL.12058	PL.12057	B	4ACSR	7.50Y	125.0	0.05	1.01	11.85	6	88	14	99	0.03	0.0	3.924	0.096	0	0	0	18
PL.8145	PL.12058	B	4ACSR	7.50Y	125.0	0.01	1.02	5.59	3	41	7	99	0.00	0.0	3.961	0.037	0	0	0	11
070224	PL.8145	B	Consumer	7.50Y	125.0	0.00	1.02	0.39	0	3	0	100	0.00	0.0	3.961	0.000	3	0	1	1
PL.27058	PL.8145	B	4ACSR	7.50Y	125.0	0.00	1.02	5.20	3	38	6	99	0.00	0.0	3.967	0.005	0	0	0	10
PD.3280-A	PL.27058	B	Closed	7.50Y	125.0	0.00	1.02	5.20	0	38	6	99	0.00	0.0	3.967	0.000	0	0	0	10
PD.3280-B	PD.3280-A	B	Closed	7.50Y	125.0	0.00	1.02	5.20	0	38	6	99	0.00	0.0	3.967	0.000	0	0	0	10
PL.27059	PD.3280-B	B	4ACSR	7.50Y	125.0	0.00	1.02	5.20	3	38	6	99	0.00	0.0	3.974	0.008	0	0	0	10
070261	PL.27059	B	Consumer	7.50Y	125.0	0.00	1.02	0.62	0	5	1	98	0.00	0.0	3.974	0.000	5	1	1	1
PL.8158	PL.27059	B	4ACSR	7.50Y	125.0	0.01	1.03	4.58	2	34	5	99	0.00	0.0	4.006	0.032	0	0	0	9

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
070232	PL.8158	B	Consumer	7.50Y	125.0	0.00	1.03	0.05	0	0	0	100	0.00	0.0	4.006	0.000	0	0	1	1
070229	PL.8158	B	Consumer	7.50Y	125.0	0.00	1.03	0.47	0	3	1	95	0.00	0.0	4.006	0.000	3	1	1	1
070220	PL.8158	B	Consumer	7.50Y	125.0	0.00	1.03	0.42	0	3	0	100	0.00	0.0	4.006	0.000	3	0	1	1
070242	PL.8158	B	Consumer	7.50Y	125.0	0.00	1.03	0.67	0	5	1	98	0.00	0.0	4.006	0.000	5	1	1	1
070241	PL.8158	B	Consumer	7.50Y	125.0	0.00	1.03	0.50	0	4	1	97	0.00	0.0	4.006	0.000	4	1	1	1
PL.34642	PL.8158	B	4ACSR	7.50Y	125.0	0.00	1.03	2.48	1	18	3	99	0.00	0.0	4.025	0.019	0	0	0	4
PD.4902	PL.34642	B	fuse6AMP	7.50Y	125.0	0.00	1.03	2.48	42	18	3	99	0.00	0.0	4.025	0.000	0	0	0	4
PL.34643	PD.4902	B	4ACSR	7.50Y	125.0	0.00	1.03	2.48	1	18	3	99	0.00	0.0	4.047	0.022	0	0	0	4
PL.43255	PL.34643	B	4ACSR	7.50Y	125.0	0.00	1.04	2.48	1	18	3	99	0.00	0.0	4.077	0.030	0	0	0	4
PL.43254	PL.43255	B	4ACSR	7.50Y	125.0	0.00	1.04	2.32	1	17	3	98	0.00	0.0	4.104	0.027	0	0	0	3
PL.4634	PL.43254	B	4ACSR	7.50Y	125.0	0.00	1.04	2.32	1	17	3	98	0.00	0.0	4.147	0.043	0	0	0	3
070250	PL.4634	B	Consumer	7.50Y	125.0	0.00	1.04	0.37	0	3	0	100	0.00	0.0	4.147	0.000	3	0	1	1
070247	PL.4634	B	Consumer	7.50Y	125.0	0.00	1.04	0.00	0	0	0	100	0.00	0.0	4.147	0.000	0	0	0	0
070238	PL.4634	B	Consumer	7.50Y	125.0	0.00	1.04	0.50	0	4	1	97	0.00	0.0	4.147	0.000	4	1	1	1
PL.4780	PL.4634	B	4ACSR	7.50Y	125.0	0.01	1.05	1.45	1	11	2	98	0.00	0.0	4.239	0.092	0	0	0	1
070270	PL.4780	B	Consumer	7.50Y	125.0	0.00	1.05	1.45	0	11	2	98	0.00	0.0	4.239	0.000	11	2	1	1
0702071	PL.43255	B	Consumer	7.50Y	125.0	0.00	1.04	0.15	0	1	0	100	0.00	0.0	4.077	0.000	1	0	1	1
0702079	PL.34643	B	Consumer	7.50Y	125.0	0.00	1.03	0.00	0	0	0	100	0.00	0.0	4.047	0.000	0	0	0	0
070245	PL.12058	B	Consumer	7.50Y	125.0	0.00	1.01	0.00	0	0	0	100	0.00	0.0	3.924	0.000	0	0	0	0
070244	PL.12058	B	Consumer	7.50Y	125.0	0.00	1.01	0.57	0	4	1	97	0.00	0.0	3.924	0.000	4	1	1	1
070246	PL.12058	B	Consumer	7.50Y	125.0	0.00	1.01	1.61	0	12	2	99	0.00	0.0	3.924	0.000	12	2	1	1
PL.8159	PL.12058	B	4ACSR	7.50Y	125.0	0.01	1.02	4.08	2	30	5	99	0.00	0.0	3.970	0.046	0	0	0	5
PL.8160	PL.8159	B	4ACSR	7.50Y	125.0	0.01	1.03	4.08	2	30	5	99	0.00	0.0	4.002	0.032	0	0	0	5
070234	PL.8160	B	Consumer	7.50Y	125.0	0.00	1.03	0.39	0	3	0	100	0.00	0.0	4.002	0.000	3	0	1	1
PL.8151	PL.8160	B	4ACSR	7.50Y	125.0	0.01	1.03	3.69	2	27	4	99	0.00	0.0	4.061	0.059	0	0	0	4
PL.8152	PL.8151	B	4ACSR	7.50Y	125.0	0.01	1.04	2.48	1	18	3	99	0.00	0.0	4.137	0.077	0	0	0	3
PL.8146	PL.8152	B	4ACSR	7.50Y	125.0	0.00	1.04	0.35	0	3	0	100	0.00	0.0	4.262	0.125	0	0	0	1
070254	PL.8146	B	Consumer	7.50Y	125.0	0.00	1.04	0.35	0	3	0	100	0.00	0.0	4.262	0.000	3	0	1	1
PL.40412	PL.8152	B	2ACSR	7.50Y	125.0	0.00	1.04	2.13	1	16	3	98	0.00	0.0	4.163	0.026	0	0	0	2
070253	PL.40412	B	Consumer	7.50Y	125.0	0.00	1.04	0.40	0	3	0	100	0.00	0.0	4.163	0.000	3	0	1	1
0702077	PL.40412	B	Consumer	7.50Y	125.0	0.00	1.04	1.73	0	13	2	99	0.00	0.0	4.163	0.000	13	2	1	1
070257	PL.8151	B	Consumer	7.50Y	125.0	0.00	1.03	1.21	0	9	1	99	0.00	0.0	4.061	0.000	9	1	1	1
PL.27056	PL.12057	B	4ACSR	7.50Y	125.0	0.00	0.96	0.96	0	7	1	99	0.00	0.0	3.834	0.006	0	0	0	2
PD.3279	PL.27056	B	fuse6AMP	7.50Y	125.0	0.00	0.96	0.96	16	7	1	99	0.00	0.0	3.834	0.000	0	0	0	2
PL.32744	PD.3279	B	4ACSR	7.50Y	125.0	0.00	0.97	0.96	0	7	1	99	0.00	0.0	3.909	0.076	0	0	0	2
070262	PL.32744	B	Consumer	7.50Y	125.0	0.00	0.97	0.94	0	7	1	99	0.00	0.0	3.909	0.000	7	1	1	1
PL.32747	PL.32744	B	4ACSR	7.50Y	125.0	0.00	0.97	0.02	0	0	0	100	0.00	0.0	3.930	0.020	0	0	0	1
PL.32748	PL.32747	B	4ACSR	7.50Y	125.0	0.00	0.97	0.00	0	0	0	100	0.00	0.0	3.952	0.023	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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.32746	PL.32747	B	4ACSR	7.50Y	125.0	0.00	0.97	0.02	0	0	0	100	0.00	0.0	3.978	0.048	0	0	0	1
0702075	PL.32746	B	Consumer	7.50Y	125.0	0.00	0.97	0.02	0	0	0	100	0.00	0.0	3.978	0.000	0	0	1	1
PL.27062	PL.11766	C	2ACSR	7.36Y	122.7	0.00	3.32	27.93	11	203	33	99	0.01	0.0	3.517	0.006	0	0	0	30
PL.27063	PL.27062	C	4ACSR	7.36Y	122.6	0.03	3.36	27.93	14	203	33	99	0.05	0.0	3.545	0.028	0	0	0	30
PL.27064	PL.27063	C	4ACSR	7.36Y	122.6	0.00	3.36	1.96	1	14	2	99	0.00	0.0	3.551	0.006	0	0	0	3
PD.3281	PL.27064	C	fuse6AMP	7.36Y	122.6	0.00	3.36	1.96	33	14	2	99	0.00	0.0	3.551	0.000	0	0	0	3
PL.38647	PD.3281	C	4ACSR	7.36Y	122.6	0.00	3.36	1.96	1	14	2	99	0.00	0.0	3.605	0.055	0	0	0	3
PL.38648	PL.38647	C	4ACSR	7.36Y	122.6	0.00	3.37	1.93	1	14	2	99	0.00	0.0	3.630	0.025	0	0	0	2
070225	PL.38648	C	Consumer	7.36Y	122.6	0.00	3.37	0.65	0	5	1	98	0.00	0.0	3.630	0.000	5	1	1	1
0702072	PL.38648	C	Consumer	7.36Y	122.6	0.00	3.37	1.28	0	9	1	99	0.00	0.0	3.630	0.000	9	1	1	1
0702076	PL.38647	C	Consumer	7.36Y	122.6	0.00	3.36	0.03	0	0	0	100	0.00	0.0	3.605	0.000	0	0	1	1
PL.27066	PL.27063	C	4ACSR	7.36Y	122.6	0.04	3.40	25.97	13	189	31	99	0.06	0.0	3.584	0.039	0	0	0	27
PL.27067	PL.27066	C	4ACSR	7.36Y	122.6	0.01	3.41	25.97	13	189	30	99	0.01	0.0	3.589	0.005	0	0	0	27
C PD.2413	PL.27067	C	fuse6AMP	7.36Y	122.6	0.00	3.41	25.97	444	189	30	99	0.00	0.0	3.589	0.000	0	0	0	27 C
PL.32706	PD.2413	C	4ACSR	7.35Y	122.5	0.12	3.53	25.97	13	189	30	99	0.17	0.1	3.696	0.107	0	0	0	27
PL.32707	PL.32706	C	4ACSR	7.34Y	122.4	0.07	3.60	23.61	12	171	28	99	0.09	0.1	3.765	0.070	0	0	0	25
PD.501-A	PL.32707	C	Closed	7.34Y	122.4	0.00	3.60	23.61	0	171	28	99	0.00	0.0	3.765	0.000	0	0	0	25
PD.501-B	PD.501-A	C	Closed	7.34Y	122.4	0.00	3.60	23.61	0	171	28	99	0.00	0.0	3.765	0.000	0	0	0	25
PL.27077	PD.501-B	C	4ACSR	7.34Y	122.4	0.01	3.60	23.61	12	171	28	99	0.01	0.0	3.771	0.006	0	0	0	25
PL.31890	PL.27077	C	4ACSR	7.34Y	122.3	0.05	3.65	23.61	12	171	28	99	0.07	0.0	3.820	0.049	0	0	0	25
0702074	PL.31890	C	Consumer	7.34Y	122.3	0.00	3.65	0.00	0	0	0	100	0.00	0.0	3.820	0.000	0	0	0	0
PL.31889	PL.31890	C	4ACSR	7.34Y	122.3	0.03	3.68	23.61	12	171	28	99	0.04	0.0	3.849	0.028	0	0	0	25
PL.11759	PL.31889	C	4ACSR	7.34Y	122.3	0.02	3.71	13.62	7	99	16	99	0.02	0.0	3.888	0.039	0	0	0	14
070233	PL.11759	C	Consumer	7.34Y	122.3	0.00	3.71	0.41	0	3	0	100	0.00	0.0	3.888	0.000	3	0	1	1
PL.45239	PL.11759	C	4ACSR	7.34Y	122.3	0.01	3.71	13.21	7	96	15	99	0.01	0.0	3.900	0.013	0	0	0	13
PD.8627-A	PL.45239	C	Closed	7.34Y	122.3	0.00	3.71	13.21	0	96	15	99	0.00	0.0	3.900	0.000	0	0	0	13
PD.8627-B	PD.8627-A	C	Closed	7.34Y	122.3	0.00	3.71	13.21	0	96	15	99	0.00	0.0	3.900	0.000	0	0	0	13
PL.45238	PD.8627-B	C	4ACSR	7.34Y	122.3	0.02	3.73	13.21	7	96	15	99	0.01	0.0	3.934	0.034	0	0	0	13
PL.11757	PL.45238	C	4ACSR	7.33Y	122.2	0.11	3.85	13.21	7	96	15	99	0.08	0.1	4.136	0.202	0	0	0	13
PL.27079	PL.11757	C	4ACSR	7.33Y	122.2	0.00	3.85	7.59	4	55	9	99	0.00	0.0	4.141	0.005	0	0	0	8
PD.503-A	PL.27079	C	Closed	7.33Y	122.2	0.00	3.85	7.59	0	55	9	99	0.00	0.0	4.141	0.000	0	0	0	8
PD.503-B	PD.503-A	C	Closed	7.33Y	122.2	0.00	3.85	7.59	0	55	9	99	0.00	0.0	4.141	0.000	0	0	0	8
PL.27078	PD.503-B	C	4ACSR	7.33Y	122.1	0.03	3.88	7.59	4	55	9	99	0.01	0.0	4.241	0.100	0	0	0	8
PL.37895	PL.27078	C	4ACSR	7.33Y	122.1	0.00	3.89	4.38	2	32	5	99	0.00	0.0	4.256	0.015	0	0	0	6
PL.37893	PL.37895	C	2ACSR	7.33Y	122.1	0.02	3.90	4.38	2	32	5	99	0.00	0.0	4.394	0.138	0	0	0	6
PL.37896	PL.37893	C	4ACSR	7.32Y	122.1	0.03	3.93	4.38	2	32	5	99	0.01	0.0	4.560	0.167	0	0	0	6
PL.27082	PL.37896	C	4ACSR	7.32Y	122.1	0.00	3.93	0.67	0	5	1	98	0.00	0.0	4.566	0.005	0	0	0	1
PD.2415	PL.27082	C	fuse6AMP	7.32Y	122.1	0.00	3.93	0.67	11	5	1	98	0.00	0.0	4.566	0.000	0	0	0	1

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.27083	PD.2415	C	4ACSR	7.32Y	122.1	0.00	3.94	0.67	0	5	1	98	0.00	0.0	4.588	0.022	0	0	0	1
071230	PL.27083	C	Consumer	7.32Y	122.1	0.00	3.94	0.67	0	5	1	98	0.00	0.0	4.588	0.000	5	1	1	1
PL.11755	PL.37896	C	4ACSR	7.32Y	122.1	0.01	3.94	3.70	2	27	4	99	0.00	0.0	4.625	0.065	0	0	0	5
071224	PL.11755	C	Consumer	7.32Y	122.1	0.00	3.94	0.00	0	0	0	100	0.00	0.0	4.625	0.000	0	0	1	1
071223	PL.11755	C	Consumer	7.32Y	122.1	0.00	3.94	0.56	0	4	1	97	0.00	0.0	4.625	0.000	4	1	1	1
0712036	PL.11755	C	Consumer	7.32Y	122.1	0.00	3.94	1.04	0	8	1	99	0.00	0.0	4.625	0.000	8	1	1	1
071217	PL.11755	C	Consumer	7.32Y	122.1	0.00	3.94	0.00	0	0	0	100	0.00	0.0	4.625	0.000	0	0	0	0
PL.30814	PL.11755	C	4ACSR	7.32Y	122.1	0.00	3.95	2.10	1	15	2	99	0.00	0.0	4.657	0.032	0	0	0	2
PL.30816	PL.30814	C	4ACSR	7.32Y	122.1	0.00	3.95	2.10	1	15	2	99	0.00	0.0	4.663	0.006	0	0	0	2
PL.30818	PL.30816	C	4ACSR	7.32Y	122.1	0.00	3.95	0.00	0	0	0	100	0.00	0.0	4.753	0.091	0	0	0	0
PD.502-B	PL.30818	C	Open	7.32Y	122.1	0.00	3.95	0.00	0	0	0	100	0.00	0.0	4.753	0.000	0	0	0	0
PL.45242	PL.30816	C	4ACSR	7.32Y	122.1	0.00	3.95	2.10	1	15	2	99	0.00	0.0	4.669	0.007	0	0	0	2
PD.8629	PL.45242	C	fuse6AMP	7.32Y	122.1	0.00	3.95	2.10	36	15	2	99	0.00	0.0	4.669	0.000	0	0	0	2
PL.45243	PD.8629	C	4ACSR	7.32Y	122.0	0.00	3.95	2.10	1	15	2	99	0.00	0.0	4.717	0.048	0	0	0	2
071222	PL.45243	C	Consumer	7.32Y	122.0	0.00	3.95	0.43	0	3	0	100	0.00	0.0	4.717	0.000	3	0	1	1
071225	PL.45243	C	Consumer	7.32Y	122.0	0.00	3.95	1.67	0	12	2	99	0.00	0.0	4.717	0.000	12	2	1	1
PL.45240	PL.27078	C	4ACSR	7.33Y	122.1	0.00	3.88	3.21	2	23	4	99	0.00	0.0	4.248	0.007	0	0	0	2
PD.8628	PL.45240	C	fuse6AMP	7.33Y	122.1	0.00	3.88	3.21	55	23	4	99	0.00	0.0	4.248	0.000	0	0	0	2
PL.45241	PD.8628	C	4ACSR	7.33Y	122.1	0.01	3.89	3.21	2	23	4	99	0.00	0.0	4.321	0.073	0	0	0	2
071234	PL.45241	C	Consumer	7.33Y	122.1	0.00	3.89	1.95	0	14	2	99	0.00	0.0	4.321	0.000	14	2	1	1
PL.40818	PL.45241	C	2ACSR	7.33Y	122.1	0.00	3.90	1.26	0	9	1	99	0.00	0.0	4.395	0.074	0	0	0	1
0712038	PL.40818	C	Consumer	7.33Y	122.1	0.00	3.90	1.26	0	9	1	99	0.00	0.0	4.395	0.000	9	1	1	1
071210	PL.11757	C	Consumer	7.33Y	122.2	0.00	3.85	1.58	0	11	2	98	0.00	0.0	4.136	0.000	11	2	1	1
071227	PL.11757	C	Consumer	7.33Y	122.2	0.00	3.85	1.08	0	8	1	99	0.00	0.0	4.136	0.000	8	1	1	1
071235	PL.11757	C	Consumer	7.33Y	122.2	0.00	3.85	0.00	0	0	0	100	0.00	0.0	4.136	0.000	0	0	0	0
071203	PL.11757	C	Consumer	7.33Y	122.2	0.00	3.85	0.73	0	5	1	98	0.00	0.0	4.136	0.000	5	1	1	1
PL.27080	PL.11757	C	4ACSR	7.33Y	122.2	0.00	3.85	2.23	1	16	3	98	0.00	0.0	4.141	0.006	0	0	0	2
PD.2416	PL.27080	C	fuse6AMP	7.33Y	122.2	0.00	3.85	2.23	38	16	3	98	0.00	0.0	4.141	0.000	0	0	0	2
PL.27081	PD.2416	C	4ACSR	7.33Y	122.1	0.01	3.86	2.23	1	16	3	98	0.00	0.0	4.223	0.082	0	0	0	2
PL.8135	PL.27081	C	4ACSR	7.33Y	122.1	0.01	3.86	2.23	1	16	3	98	0.00	0.0	4.287	0.063	0	0	0	2
PL.8136	PL.8135	C	4ACSR	7.33Y	122.1	0.01	3.87	2.23	1	16	3	98	0.00	0.0	4.342	0.056	0	0	0	2
071220	PL.8136	C	Consumer	7.33Y	122.1	0.00	3.87	0.71	0	5	1	98	0.00	0.0	4.342	0.000	5	1	1	1
PL.8137	PL.8136	C	4ACSR	7.33Y	122.1	0.00	3.87	1.52	1	11	2	98	0.00	0.0	4.343	0.000	0	0	0	1
PL.8138	PL.8137	C	4ACSR	7.33Y	122.1	0.00	3.87	1.52	1	11	2	98	0.00	0.0	4.395	0.052	0	0	0	1
PL.24430	PL.8138	C	4ACSR	7.33Y	122.1	0.01	3.88	1.52	1	11	2	98	0.00	0.0	4.483	0.088	0	0	0	1
PL.24431	PL.24430	C	4ACSR	7.33Y	122.1	0.01	3.88	1.52	1	11	2	98	0.00	0.0	4.578	0.095	0	0	0	1
071221	PL.24431	C	Consumer	7.33Y	122.1	0.00	3.88	1.52	0	11	2	98	0.00	0.0	4.578	0.000	11	2	1	1
070237	PL.31889	C	Consumer	7.34Y	122.3	0.00	3.68	0.99	0	7	1	99	0.00	0.0	3.849	0.000	7	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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
070226	PL.31889	C	Consumer	7.34Y	122.3	0.00	3.68	1.27	0	9	1	99	0.00	0.0	3.849	0.000	9	1	1	1
PL.27074	PL.31889	C	4ACSR	7.34Y	122.3	0.00	3.69	7.73	4	56	9	99	0.00	0.0	3.854	0.005	0	0	0	9
C PD.2414	PL.27074	C	fuse6AMP	7.34Y	122.3	0.00	3.69	7.73	132	56	9	99	0.00	0.0	3.854	0.000	0	0	0	9 C
PL.27075	PD.2414	C	4ACSR	7.34Y	122.3	0.02	3.71	7.73	4	56	9	99	0.01	0.0	3.922	0.068	0	0	0	9
070203	PL.27075	C	Consumer	7.34Y	122.3	0.00	3.71	0.65	0	5	1	98	0.00	0.0	3.922	0.000	5	1	1	1
PL.11761	PL.27075	C	4ACSR	7.34Y	122.3	0.02	3.73	7.09	4	51	8	99	0.01	0.0	3.979	0.057	0	0	0	8
070258	PL.11761	C	Consumer	7.34Y	122.3	0.00	3.73	1.51	0	11	2	98	0.00	0.0	3.979	0.000	11	2	1	1
PL.11762	PL.11761	C	4ACSR	7.34Y	122.3	0.01	3.74	5.58	3	40	6	99	0.00	0.0	4.031	0.052	0	0	0	7
PL.11763	PL.11762	C	4ACSR	7.34Y	122.3	0.00	3.74	4.21	2	31	5	99	0.00	0.0	4.037	0.005	0	0	0	6
PL.11764	PL.11763	C	4ACSR	7.34Y	122.3	0.00	3.74	3.10	2	22	4	98	0.00	0.0	4.064	0.027	0	0	0	4
PL.11765	PL.11764	C	4ACSR	7.34Y	122.3	0.00	3.74	0.54	0	4	1	97	0.00	0.0	4.132	0.069	0	0	0	1
070210	PL.11765	C	Consumer	7.34Y	122.3	0.00	3.74	0.54	0	4	1	97	0.00	0.0	4.132	0.000	4	1	1	1
070256	PL.11764	C	Consumer	7.34Y	122.3	0.00	3.74	1.51	0	11	2	98	0.00	0.0	4.064	0.000	11	2	1	1
070208	PL.11764	C	Consumer	7.34Y	122.3	0.00	3.74	0.60	0	4	1	97	0.00	0.0	4.064	0.000	4	1	1	1
070211	PL.11764	C	Consumer	7.34Y	122.3	0.00	3.74	0.47	0	3	1	95	0.00	0.0	4.064	0.000	3	1	1	1
PL.8142	PL.11763	C	4ACSR	7.34Y	122.3	0.00	3.74	1.11	1	8	1	99	0.00	0.0	4.047	0.010	0	0	0	2
070228	PL.8142	C	Consumer	7.34Y	122.3	0.00	3.74	1.11	0	8	1	99	0.00	0.0	4.047	0.000	8	1	1	1
PL.8161	PL.8142	C	4ACSR	7.34Y	122.3	0.00	3.74	0.00	0	0	0	100	0.00	0.0	4.144	0.097	0	0	0	1
PL.8162	PL.8161	C	4ACSR	7.34Y	122.3	0.00	3.74	0.00	0	0	0	100	0.00	0.0	4.198	0.054	0	0	0	0
070264	PL.8162	C	Consumer	7.34Y	122.3	0.00	3.74	0.00	0	0	0	100	0.00	0.0	4.198	0.000	0	0	0	0
070263	PL.8161	C	Consumer	7.34Y	122.3	0.00	3.74	0.00	0	0	0	100	0.00	0.0	4.144	0.000	0	0	1	1
070218	PL.11762	C	Consumer	7.34Y	122.3	0.00	3.74	1.36	0	10	2	98	0.00	0.0	4.031	0.000	10	2	1	1
PL.32705	PL.32706	C	4ACSR	7.35Y	122.5	0.00	3.53	2.35	1	17	3	98	0.00	0.0	3.734	0.038	0	0	0	2
070274	PL.32705	C	Consumer	7.35Y	122.5	0.00	3.53	1.43	0	10	2	98	0.00	0.0	3.734	0.000	10	2	1	1
0702080	PL.32705	C	Consumer	7.35Y	122.5	0.00	3.53	0.00	0	0	0	100	0.00	0.0	3.734	0.000	0	0	0	0
0702073	PL.32705	C	Consumer	7.35Y	122.5	0.00	3.53	0.93	0	7	1	99	0.00	0.0	3.734	0.000	7	1	1	1
PL.27070	PL.8148	C	4ACSR	7.36Y	122.7	0.00	3.30	3.00	2	22	4	98	0.00	0.0	3.416	0.006	0	0	0	3
PD.2418	PL.27070	C	fuse6AMP	7.36Y	122.7	0.00	3.30	3.00	51	22	4	98	0.00	0.0	3.416	0.000	0	0	0	3
PL.42168	PD.2418	C	4ACSR	7.36Y	122.7	0.02	3.32	3.00	2	22	4	98	0.00	0.0	3.562	0.146	0	0	0	3
PL.42169	PL.42168	C	4ACSR	7.36Y	122.7	0.03	3.34	3.00	2	22	4	98	0.00	0.0	3.759	0.196	0	0	0	3
PL.4778	PL.42169	C	4ACSR	7.36Y	122.7	0.00	3.34	1.28	1	9	1	99	0.00	0.0	3.792	0.034	0	0	0	1
070268	PL.4778	C	Consumer	7.36Y	122.7	0.00	3.34	1.28	0	9	1	99	0.00	0.0	3.792	0.000	9	1	1	1
PL.44662	PL.42169	C	4ACSR	7.36Y	122.7	0.01	3.35	1.72	1	12	2	99	0.00	0.0	3.836	0.077	0	0	0	2
0712039	PL.44662	C	Consumer	7.36Y	122.7	0.00	3.35	1.50	0	11	2	98	0.00	0.0	3.836	0.000	11	2	1	1
PL.44663	PL.44662	C	4ACSR	7.36Y	122.7	0.00	3.35	0.22	0	2	0	100	0.00	0.0	3.885	0.049	0	0	0	1
PL.41310	PL.44663	C	4ACSR	7.36Y	122.7	0.00	3.35	0.00	0	0	0	100	0.00	0.0	3.897	0.012	0	0	0	0
PL.44660	PL.41310	C	4ACSR	7.36Y	122.7	0.00	3.35	0.00	0	0	0	100	0.00	0.0	3.936	0.039	0	0	0	0
0712040	PL.44660	C	Consumer	7.36Y	122.7	0.00	3.35	0.00	0	0	0	100	0.00	0.0	3.936	0.000	0	0	0	0

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

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.44661	PL.44660	C	4ACSR	7.36Y	122.7	0.00	3.35	0.00	0	0	0	100	0.00	0.0	3.973	0.038	0	0	0	0
071233	PL.44663	C	Consumer	7.36Y	122.7	0.00	3.35	0.22	0	2	0	100	0.00	0.0	3.885	0.000	2	0	1	1
PL.42167	PL.42168	C	2ACSR	7.36Y	122.7	0.00	3.32	0.00	0	0	0	100	0.00	0.0	3.750	0.187	0	0	0	0
0702078	PL.42167	C	Consumer	7.36Y	122.7	0.00	3.32	0.00	0	0	0	100	0.00	0.0	3.750	0.000	0	0	0	0
070201	PL.11774	B	Consumer	7.51Y	125.1	0.00	0.85	0.41	0	3	0	100	0.00	0.0	3.347	0.000	3	0	1	1
PL.27072	PL.11773	A	336ACSR	7.42Y	123.7	0.00	2.33	0.00	0	0	0	100	0.00	0.0	3.143	0.006	0	0	0	0
		B		7.51Y	125.2	0.00	0.82	0.00	0	0	0	100					0	0	0	0
		C		7.37Y	122.8	0.00	3.22	0.00	0	0	0	100					0	0	0	0
PD.3270	PL.27072	A	fuse6AMP	7.42Y	123.7	0.00	2.33	0.00	0	0	0	100	0.00	0.0	3.143	0.000	0	0	0	0
		B		7.51Y	125.2	0.00	0.82	0.00	0	0	0	100					0	0	0	0
		C		7.37Y	122.8	0.00	3.22	0.00	0	0	0	100					0	0	0	0
PL.27073	PD.3270	A	336ACSR	7.42Y	123.7	0.00	2.33	0.00	0	0	0	100	0.00	0.0	3.234	0.091	0	0	0	0
		B		7.51Y	125.2	0.00	0.82	0.00	0	0	0	100					0	0	0	0
		C		7.37Y	122.8	0.00	3.22	0.00	0	0	0	100					0	0	0	0
PL.22770	PL.11403	A	4ACSR	7.42Y	123.7	0.00	2.32	12.64	7	93	15	99	0.00	0.0	2.732	0.009	0	0	0	20
PD.3507	PL.22770	A	35V4E	7.42Y	123.7	0.00	2.32	12.64	36	93	15	99	0.00	0.0	2.732	0.000	0	0	0	20
PL.22771	PD.3507	A	4ACSR	7.42Y	123.7	0.02	2.35	12.64	7	93	15	99	0.01	0.0	2.771	0.038	0	0	0	20
019254	PL.22771	A	Consumer	7.42Y	123.7	0.00	2.35	0.49	0	4	1	97	0.00	0.0	2.771	0.000	4	1	1	1
019244	PL.22771	A	Consumer	7.42Y	123.7	0.00	2.35	0.00	0	0	0	100	0.00	0.0	2.771	0.000	0	0	1	1
019208	PL.22771	A	Consumer	7.42Y	123.7	0.00	2.35	1.04	0	8	1	99	0.00	0.0	2.771	0.000	8	1	1	1
019272	PL.22771	A	Consumer	7.42Y	123.7	0.00	2.35	0.00	0	0	0	100	0.00	0.0	2.771	0.000	0	0	0	0
019246	PL.22771	A	Consumer	7.42Y	123.7	0.00	2.35	0.18	0	1	0	100	0.00	0.0	2.771	0.000	1	0	1	1
PL.4858	PL.22771	A	4ACSR	7.42Y	123.6	0.04	2.39	10.93	6	80	13	99	0.03	0.0	2.864	0.094	0	0	0	16
PL.4857	PL.4858	A	4ACSR	7.41Y	123.6	0.04	2.43	9.70	5	71	11	99	0.02	0.0	2.951	0.087	0	0	0	14
PL.11404	PL.4857	A	4ACSR	7.41Y	123.6	0.01	2.43	7.93	4	58	9	99	0.00	0.0	2.972	0.021	0	0	0	10
PL.11405	PL.11404	A	4ACSR	7.41Y	123.5	0.02	2.45	4.05	2	30	5	99	0.00	0.0	3.084	0.112	0	0	0	6
PL.11406	PL.11405	A	4ACSR	7.41Y	123.5	0.00	2.46	0.81	0	6	1	99	0.00	0.0	3.164	0.080	0	0	0	1
PL.17481	PL.11406	A	4ACSR	7.41Y	123.5	0.00	2.46	0.00	0	0	0	100	0.00	0.0	3.211	0.047	0	0	0	0
PD.152-A	PL.17481	A	Open	7.41Y	123.5	0.00	2.46	0.00	0	0	0	100	0.00	0.0	3.211	0.000	0	0	0	0
019257	PL.11406	A	Consumer	7.41Y	123.5	0.00	2.46	0.81	0	6	1	99	0.00	0.0	3.164	0.000	6	1	1	1
0192116	PL.11406	A	Consumer	7.41Y	123.5	0.00	2.46	0.00	0	0	0	100	0.00	0.0	3.164	0.000	0	0	0	0
019213	PL.11406	A	Consumer	7.41Y	123.5	0.00	2.46	0.00	0	0	0	100	0.00	0.0	3.164	0.000	0	0	0	0
019263	PL.11406	A	Consumer	7.41Y	123.5	0.00	2.46	0.00	0	0	0	100	0.00	0.0	3.164	0.000	0	0	0	0
019215	PL.11405	A	Consumer	7.41Y	123.5	0.00	2.45	1.38	0	10	2	98	0.00	0.0	3.084	0.000	10	2	1	1
019266	PL.11405	A	Consumer	7.41Y	123.5	0.00	2.45	0.02	0	0	0	100	0.00	0.0	3.084	0.000	0	0	1	1
019229	PL.11405	A	Consumer	7.41Y	123.5	0.00	2.45	0.29	0	2	0	100	0.00	0.0	3.084	0.000	2	0	1	1
019223	PL.11405	A	Consumer	7.41Y	123.5	0.00	2.45	0.73	0	5	1	98	0.00	0.0	3.084	0.000	5	1	1	1
019241	PL.11405	A	Consumer	7.41Y	123.5	0.00	2.45	0.82	0	6	1	99	0.00	0.0	3.084	0.000	6	1	1	1
PL.16692	PL.11404	A	4ACSR	7.41Y	123.6	0.00	2.43	3.87	2	28	5	98	0.00	0.0	2.977	0.005	0	0	0	4
PD.1906	PL.16692	A	fuse6AMP	7.41Y	123.6	0.00	2.43	3.87	66	28	5	98	0.00	0.0	2.977	0.000	0	0	0	4
PL.16693	PD.1906	A	4ACSR	7.41Y	123.6	0.00	2.44	3.87	2	28	5	98	0.00	0.0	2.997	0.020	0	0	0	4

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.4856	PL.16693	A	4ACSR	7.41Y	123.6	0.01	2.44	2.98	2	22	3	99	0.00	0.0	3.041	0.044	0	0	0	3
PL.1216	PL.4856	A	4ACSR	7.41Y	123.6	0.01	2.45	1.95	1	14	2	99	0.00	0.0	3.129	0.087	0	0	0	1
019239	PL.1216	A	Consumer	7.41Y	123.6	0.00	2.45	1.95	0	14	2	99	0.00	0.0	3.129	0.000	14	2	1	1
019256	PL.4856	A	Consumer	7.41Y	123.6	0.00	2.44	0.48	0	4	1	97	0.00	0.0	3.041	0.000	4	1	1	1
PL.16690	PL.4856	A	4ACSR	7.41Y	123.6	0.00	2.44	0.55	0	4	1	97	0.00	0.0	3.046	0.005	0	0	0	1
PD.1929	PL.16690	A	fuse6AMP	7.41Y	123.6	0.00	2.44	0.55	9	4	1	97	0.00	0.0	3.046	0.000	0	0	0	1
PL.16691	PD.1929	A	4ACSR	7.41Y	123.6	0.00	2.44	0.55	0	4	1	97	0.00	0.0	3.131	0.085	0	0	0	1
PL.1634	PL.16691	A	4ACSR	7.41Y	123.6	0.00	2.45	0.55	0	4	1	97	0.00	0.0	3.156	0.025	0	0	0	1
0192106	PL.1634	A	Consumer	7.41Y	123.6	0.00	2.45	0.55	0	4	1	97	0.00	0.0	3.156	0.000	4	1	1	1
019251	PL.16693	A	Consumer	7.41Y	123.6	0.00	2.44	0.89	0	7	1	99	0.00	0.0	2.997	0.000	7	1	1	1
019237	PL.4857	A	Consumer	7.41Y	123.6	0.00	2.43	0.10	0	1	0	100	0.00	0.0	2.951	0.000	1	0	1	1
019209	PL.4857	A	Consumer	7.41Y	123.6	0.00	2.43	1.00	0	7	1	99	0.00	0.0	2.951	0.000	7	1	1	1
019205	PL.4857	A	Consumer	7.41Y	123.6	0.00	2.43	0.00	0	0	0	100	0.00	0.0	2.951	0.000	0	0	0	0
019255	PL.4857	A	Consumer	7.41Y	123.6	0.00	2.43	0.19	0	1	0	100	0.00	0.0	2.951	0.000	1	0	1	1
019233	PL.4857	A	Consumer	7.41Y	123.6	0.00	2.43	0.48	0	4	1	97	0.00	0.0	2.951	0.000	4	1	1	1
019210	PL.4858	A	Consumer	7.42Y	123.6	0.00	2.39	0.70	0	5	1	98	0.00	0.0	2.864	0.000	5	1	1	1
019228	PL.4858	A	Consumer	7.42Y	123.6	0.00	2.39	0.53	0	4	1	97	0.00	0.0	2.864	0.000	4	1	1	1
PL.16686	PL.11402	A	4ACSR	7.42Y	123.7	0.00	2.31	2.67	1	19	6	95	0.00	0.0	2.670	0.006	0	0	0	3
PD.1918	PL.16686	A	fuse6AMP	7.42Y	123.7	0.00	2.31	2.67	46	19	6	95	0.00	0.0	2.670	0.000	0	0	0	3
PL.16687	PD.1918	A	4ACSR	7.42Y	123.7	0.01	2.31	2.67	1	19	6	95	0.00	0.0	2.712	0.042	0	0	0	3
019207	PL.16687	A	Consumer	7.42Y	123.7	0.00	2.31	1.21	0	9	1	99	0.00	0.0	2.712	0.000	9	1	1	1
019235	PL.16687	A	Consumer	7.42Y	123.7	0.00	2.31	0.19	0	1	1	71	0.00	0.0	2.712	0.000	1	1	1	1
019230	PL.16687	A	Consumer	7.42Y	123.7	0.00	2.31	1.30	0	9	4	91	0.00	0.0	2.712	0.000	9	4	1	1
019335	PL.4863	C	Consumer	7.38Y	123.0	0.00	3.02	1.25	0	9	1	99	0.00	0.0	2.483	0.000	9	1	1	1
019330	PL.4863	A	Consumer	7.42Y	123.7	0.00	2.27	0.00	0	0	0	100	0.00	0.0	2.483	0.000	0	0	0	0
019334	PL.4863	B	Consumer	7.51Y	125.2	0.00	0.78	0.00	0	0	0	100	0.00	0.0	2.483	0.000	0	0	0	0
PL.1231	PL.4863	A	336ACSR	7.42Y	123.7	0.00	2.27	0.00	0	0	0	100	0.00	0.0	2.522	0.040	0	0	0	0
		B		7.51Y	125.2	0.00	0.78	0.00	0	0	0	100					0	0	0	0
		C		7.38Y	123.0	0.00	3.02	0.00	0	0	0	100					0	0	0	0
0193118	PL.9944	A	Consumer	7.43Y	123.8	0.00	2.19	0.00	0	0	0	100	0.00	0.0	2.176	0.000	0	0	1	1
PL.18929	PL.18747	B	4ACSR	7.51Y	125.2	0.00	0.79	0.81	0	6	1	99	0.00	0.0	2.125	0.012	0	0	0	1
PD.1806	PL.18929	B	fuse6AMP	7.51Y	125.2	0.00	0.79	0.81	14	6	1	99	0.00	0.0	2.125	0.000	0	0	0	1
PL.18930	PD.1806	B	4ACSR	7.51Y	125.2	0.00	0.79	0.81	0	6	1	99	0.00	0.0	2.153	0.028	0	0	0	1
019349	PL.18930	B	Consumer	7.51Y	125.2	0.00	0.79	0.81	0	6	1	99	0.00	0.0	2.153	0.000	6	1	1	1
PL.4864	PL.11722	A	4ACSR	7.43Y	123.8	0.02	2.19	19.46	10	143	23	99	0.10	0.0	2.112	0.041	0	0	0	23
		C		7.39Y	123.1	0.05	2.91	25.92	13	189	31	99					0	0	0	37
PL.17850	PL.4864	A	4ACSR	7.43Y	123.8	0.03	2.23	19.29	10	141	23	99	0.13	0.0	2.169	0.057	0	0	0	22
		C		7.38Y	123.0	0.07	2.98	24.95	13	182	29	99					0	0	0	34
PD.3363	PL.17850	A	50V4E	7.43Y	123.8	0.00	2.23	19.29	39	141	23	99	0.00	0.0	2.169	0.000	0	0	0	22
		C		7.38Y	123.0	0.00	2.98	24.95	50	182	29	99					0	0	0	34

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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.17851	PD.3363	A	4ACSR	7.42Y	123.7	0.03	2.26	19.29	10	141	23	99	0.13	0.0	2.224	0.055	0	0	0	22
		C		7.38Y	123.0	0.06	3.04	24.95	13	182	29	99					0	0	0	34
PL.72	PL.17851	A	4ACSR	7.42Y	123.7	0.02	2.28	18.91	10	139	22	99	0.07	0.0	2.255	0.030	0	0	0	21
		C		7.38Y	122.9	0.04	3.08	24.95	13	182	29	99					0	0	0	33
019326	PL.72	A	Consumer	7.42Y	123.7	0.00	2.28	0.86	0	6	1	99	0.00	0.0	2.255	0.000	6	1	1	1
019366	PL.72	A	Consumer	7.42Y	123.7	0.00	2.28	1.08	0	8	1	99	0.00	0.0	2.255	0.000	8	1	1	1
019347	PL.72	A	Consumer	7.42Y	123.7	0.00	2.28	1.06	0	8	1	99	0.00	0.0	2.255	0.000	8	1	1	1
PL.27546	PL.72	C	4ACSR	7.37Y	122.9	0.01	3.09	24.95	13	182	29	99	0.02	0.0	2.265	0.010	0	0	0	33
PD.150-A	PL.27546	C	Closed	7.37Y	122.9	0.00	3.09	24.95	0	182	29	99	0.00	0.0	2.265	0.000	0	0	0	33
PD.150-B	PD.150-A	C	Closed	7.37Y	122.9	0.00	3.09	24.95	0	182	29	99	0.00	0.0	2.265	0.000	0	0	0	33
PL.27547	PD.150-B	C	4ACSR	7.37Y	122.8	0.09	3.18	24.95	13	182	29	99	0.12	0.1	2.348	0.084	0	0	0	33
019325	PL.27547	C	Consumer	7.37Y	122.8	0.00	3.18	1.16	0	8	1	99	0.00	0.0	2.348	0.000	8	1	1	1
0193121	PL.27547	C	Consumer	7.37Y	122.8	0.00	3.18	0.00	0	0	0	100	0.00	0.0	2.348	0.000	0	0	0	0
019384	PL.27547	C	Consumer	7.37Y	122.8	0.00	3.18	0.52	0	4	1	97	0.00	0.0	2.348	0.000	4	1	1	1
PL.24532	PL.27547	C	4ACSR	7.37Y	122.8	0.04	3.22	23.27	12	169	27	99	0.06	0.0	2.393	0.045	0	0	0	31
PL.24533	PL.24532	C	4ACSR	7.36Y	122.7	0.04	3.26	23.27	12	169	27	99	0.05	0.0	2.431	0.038	0	0	0	31
0193111	PL.24533	C	Consumer	7.36Y	122.7	0.00	3.26	0.00	0	0	0	100	0.00	0.0	2.431	0.000	0	0	0	0
019322	PL.24533	C	Consumer	7.36Y	122.7	0.00	3.26	0.00	0	0	0	100	0.00	0.0	2.431	0.000	0	0	0	0
019320	PL.24533	C	Consumer	7.36Y	122.7	0.00	3.26	1.33	0	10	2	98	0.00	0.0	2.431	0.000	10	2	1	1
PL.17848	PL.24533	C	4ACSR	7.36Y	122.7	0.01	3.27	21.93	11	159	26	99	0.01	0.0	2.438	0.006	0	0	0	30
C PD.1908	PL.17848	C	fuse6AMP	7.36Y	122.7	0.00	3.27	21.93	375	159	26	99	0.00	0.0	2.438	0.000	0	0	0	30 C
PL.17849	PD.1908	C	4ACSR	7.36Y	122.7	0.08	3.35	21.93	11	159	26	99	0.10	0.1	2.524	0.087	0	0	0	30
PL.27605	PL.17849	C	4ACSR	7.36Y	122.7	0.00	3.35	1.85	1	13	2	99	0.00	0.0	2.529	0.005	0	0	0	2
PD.1910	PL.27605	C	fuse6AMP	7.36Y	122.7	0.00	3.35	1.85	32	13	2	99	0.00	0.0	2.529	0.000	0	0	0	2
PL.27606	PD.1910	C	4ACSR	7.36Y	122.6	0.00	3.35	1.85	1	13	2	99	0.00	0.0	2.556	0.027	0	0	0	2
019321	PL.27606	C	Consumer	7.36Y	122.6	0.00	3.35	0.77	0	6	1	99	0.00	0.0	2.556	0.000	6	1	1	1
019323	PL.27606	C	Consumer	7.36Y	122.6	0.00	3.35	1.09	0	8	1	99	0.00	0.0	2.556	0.000	8	1	1	1
PL.1548	PL.17849	C	4ACSR	7.36Y	122.6	0.00	3.35	2.91	1	21	3	99	0.00	0.0	2.561	0.037	0	0	0	3
019317	PL.1548	C	Consumer	7.36Y	122.6	0.00	3.35	1.31	0	10	2	98	0.00	0.0	2.561	0.000	10	2	1	1
019318	PL.1548	C	Consumer	7.36Y	122.6	0.00	3.35	1.44	0	10	2	98	0.00	0.0	2.561	0.000	10	2	1	1
019319	PL.1548	C	Consumer	7.36Y	122.6	0.00	3.35	0.15	0	1	0	100	0.00	0.0	2.561	0.000	1	0	1	1
PL.27623	PL.17849	C	4ACSR	7.36Y	122.6	0.00	3.35	17.17	9	125	20	99	0.00	0.0	2.530	0.006	0	0	0	25
C PD.1909	PL.27623	C	fuse6AMP	7.36Y	122.6	0.00	3.35	17.17	293	125	20	99	0.00	0.0	2.530	0.000	0	0	0	25 C
PL.27624	PD.1909	C	4ACSR	7.36Y	122.6	0.02	3.37	17.17	9	125	20	99	0.02	0.0	2.555	0.025	0	0	0	25
PL.20108	PL.27624	C	4ACSR	7.36Y	122.6	0.00	3.38	15.31	8	111	18	99	0.00	0.0	2.561	0.006	0	0	0	23
C PD.1911	PL.20108	C	fuse6AMP	7.36Y	122.6	0.00	3.38	15.31	262	111	18	99	0.00	0.0	2.561	0.000	0	0	0	23 C
PL.29191	PD.1911	C	4ACSR	7.36Y	122.6	0.03	3.41	15.31	8	111	18	99	0.03	0.0	2.612	0.051	0	0	0	23
PL.28939	PL.29191	C	4ACSR	7.36Y	122.6	0.00	3.41	15.31	8	111	18	99	0.00	0.0	2.615	0.003	0	0	0	23
PL.28951	PL.28939	C	4ACSR	7.36Y	122.6	0.00	3.41	0.00	0	0	0	100	0.00	0.0	2.616	0.001	0	0	0	0

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Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PD.3661-B	PL.28951	C	Open	7.36Y	122.6	0.00	3.41	0.00	0	0	0	100	0.00	0.0	2.616	0.000	0	0	0	0	
PL.29002	PL.28939	C	4ACSR	7.35Y	122.6	0.03	3.44	15.31	8	111	18	99	0.03	0.0	2.661	0.046	0	0	0	23	
PL.4861	PL.29002	C	4ACSR	7.35Y	122.5	0.02	3.46	13.56	7	98	16	99	0.02	0.0	2.700	0.039	0	0	0	20	
PL.6091	PL.4861	C	4ACSR	7.35Y	122.5	0.02	3.48	12.22	6	89	14	99	0.01	0.0	2.738	0.039	0	0	0	19	
0193110	PL.6091	C	Consumer	7.35Y	122.5	0.00	3.48	0.00	0	0	0	100	0.00	0.0	2.738	0.000	0	0	0	0	
019392	PL.6091	C	Consumer	7.35Y	122.5	0.00	3.48	1.06	0	8	1	99	0.00	0.0	2.738	0.000	8	1	1	1	
PL.11734	PL.6091	C	4ACSR	7.35Y	122.5	0.04	3.52	11.16	6	81	13	99	0.02	0.0	2.820	0.082	0	0	0	17	
PL.27753	PL.11734	C	4ACSR	7.35Y	122.5	0.02	3.55	10.44	5	76	12	99	0.01	0.0	2.869	0.049	0	0	0	16	
C PD.1928	PL.27753	C	fuse6AMP	7.35Y	122.5	0.00	3.55	10.44	178	76	12	99	0.00	0.0	2.869	0.000	0	0	0	16	C
PL.27754	PD.1928	C	4ACSR	7.35Y	122.5	0.00	3.55	10.44	5	76	12	99	0.00	0.0	2.876	0.006	0	0	0	16	
PL.4859	PL.27754	C	4ACSR	7.35Y	122.4	0.00	3.55	0.36	0	3	0	100	0.00	0.0	2.954	0.078	0	0	0	1	
019344	PL.4859	C	Consumer	7.35Y	122.4	0.00	3.55	0.36	0	3	0	100	0.00	0.0	2.954	0.000	3	0	1	1	
019352	PL.4859	C	Consumer	7.35Y	122.4	0.00	3.55	0.00	0	0	0	100	0.00	0.0	2.954	0.000	0	0	0	0	
PL.4860	PL.4859	C	4ACSR	7.35Y	122.4	0.00	3.55	0.00	0	0	0	100	0.00	0.0	2.954	0.000	0	0	0	0	
PL.17145	PL.27754	C	4ACSR	7.35Y	122.5	0.00	3.55	1.90	1	14	2	99	0.00	0.0	2.883	0.007	0	0	0	5	
PD.1927	PL.17145	C	fuse6AMP	7.35Y	122.5	0.00	3.55	1.90	32	14	2	99	0.00	0.0	2.883	0.000	0	0	0	5	
PL.17146	PD.1927	C	4ACSR	7.35Y	122.4	0.01	3.56	1.90	1	14	2	99	0.00	0.0	2.965	0.082	0	0	0	5	
PL.1223	PL.17146	C	4ACSR	7.35Y	122.4	0.00	3.56	0.44	0	3	1	95	0.00	0.0	2.987	0.022	0	0	0	2	
019386	PL.1223	C	Consumer	7.35Y	122.4	0.00	3.56	0.44	0	3	1	95	0.00	0.0	2.987	0.000	3	1	1	1	
0193101	PL.1223	C	Consumer	7.35Y	122.4	0.00	3.56	0.00	0	0	0	100	0.00	0.0	2.987	0.000	0	0	1	1	
019348	PL.1223	C	Consumer	7.35Y	122.4	0.00	3.56	0.00	0	0	0	100	0.00	0.0	2.987	0.000	0	0	0	0	
PL.11735	PL.17146	C	4ACSR	7.35Y	122.4	0.00	3.56	1.45	1	11	2	98	0.00	0.0	3.035	0.070	0	0	0	3	
019351	PL.11735	C	Consumer	7.35Y	122.4	0.00	3.56	0.50	0	4	1	97	0.00	0.0	3.035	0.000	4	1	1	1	
019337	PL.11735	C	Consumer	7.35Y	122.4	0.00	3.56	0.30	0	2	0	100	0.00	0.0	3.035	0.000	2	0	1	1	
019339	PL.11735	C	Consumer	7.35Y	122.4	0.00	3.56	0.66	0	5	1	98	0.00	0.0	3.035	0.000	5	1	1	1	
PL.17147	PL.11735	C	4ACSR	7.35Y	122.4	0.00	3.56	0.00	0	0	0	100	0.00	0.0	3.070	0.035	0	0	0	0	
PD.146-A	PL.17147	C	Open	7.35Y	122.4	0.00	3.56	0.00	0	0	0	100	0.00	0.0	3.070	0.000	0	0	0	0	
PL.1225	PL.27754	C	4ACSR	7.35Y	122.4	0.01	3.56	6.53	3	47	8	99	0.00	0.0	2.911	0.035	0	0	0	8	
PL.5762	PL.1225	C	4ACSR	7.35Y	122.4	0.01	3.57	6.53	3	47	8	99	0.00	0.0	2.957	0.046	0	0	0	8	
PL.5763	PL.5762	C	4ACSR	7.35Y	122.4	0.00	3.58	6.05	3	44	7	99	0.00	0.0	2.969	0.012	0	0	0	7	
PL.5764	PL.5763	C	4ACSR	7.34Y	122.4	0.01	3.59	4.54	2	33	5	99	0.00	0.0	3.035	0.066	0	0	0	6	
019390	PL.5764	C	Consumer	7.34Y	122.4	0.00	3.59	0.39	0	3	0	100	0.00	0.0	3.035	0.000	3	0	1	1	
019356	PL.5764	C	Consumer	7.34Y	122.4	0.00	3.59	0.00	0	0	0	100	0.00	0.0	3.035	0.000	0	0	0	0	
PL.4855	PL.5764	C	4ACSR	7.34Y	122.4	0.01	3.59	4.16	2	30	5	99	0.00	0.0	3.063	0.028	0	0	0	5	
019396	PL.4855	C	Consumer	7.34Y	122.4	0.00	3.59	0.69	0	5	1	98	0.00	0.0	3.063	0.000	5	1	1	1	
019373	PL.4855	C	Consumer	7.34Y	122.4	0.00	3.59	0.58	0	4	1	97	0.00	0.0	3.063	0.000	4	1	1	1	
019374	PL.4855	C	Consumer	7.34Y	122.4	0.00	3.59	1.33	0	10	2	98	0.00	0.0	3.063	0.000	10	2	1	1	
PL.1221	PL.4855	C	4ACSR	7.34Y	122.4	0.00	3.60	1.56	1	11	2	98	0.00	0.0	3.092	0.028	0	0	0	2	

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.4486	PL.1221	C	4ACSR	7.34Y	122.4	0.00	3.60	1.56	1	11	2	98	0.00	0.0	3.093	0.001	0	0	0	2
019367	PL.4486	C	Consumer	7.34Y	122.4	0.00	3.60	1.25	0	9	1	99	0.00	0.0	3.093	0.000	9	1	1	1
PL.4487	PL.4486	C	4ACSR	7.34Y	122.4	0.00	3.60	0.31	0	2	0	100	0.00	0.0	3.099	0.006	0	0	0	1
PL.8149	PL.4487	C	4ACSR	7.34Y	122.4	0.00	3.60	0.31	0	2	0	100	0.00	0.0	3.120	0.021	0	0	0	1
PL.8150	PL.8149	C	4ACSR	7.34Y	122.4	0.00	3.60	0.00	0	0	0	100	0.00	0.0	3.120	0.000	0	0	0	0
070322	PL.8149	C	Consumer	7.34Y	122.4	0.00	3.60	0.31	0	2	0	100	0.00	0.0	3.120	0.000	2	0	1	1
019358	PL.5763	C	Consumer	7.35Y	122.4	0.00	3.58	1.51	0	11	2	98	0.00	0.0	2.969	0.000	11	2	1	1
0193122	PL.5763	C	Consumer	7.35Y	122.4	0.00	3.58	0.00	0	0	0	100	0.00	0.0	2.969	0.000	0	0	0	0
019379	PL.5763	C	Consumer	7.35Y	122.4	0.00	3.58	0.00	0	0	0	100	0.00	0.0	2.969	0.000	0	0	0	0
019331	PL.5762	C	Consumer	7.35Y	122.4	0.00	3.57	0.48	0	3	1	95	0.00	0.0	2.957	0.000	3	1	1	1
019368	PL.27754	C	Consumer	7.35Y	122.5	0.00	3.55	1.36	0	10	2	98	0.00	0.0	2.876	0.000	10	2	1	1
019350	PL.27754	C	Consumer	7.35Y	122.5	0.00	3.55	0.28	0	2	0	100	0.00	0.0	2.876	0.000	2	0	1	1
0193102	PL.11734	C	Consumer	7.35Y	122.5	0.00	3.52	0.00	0	0	0	100	0.00	0.0	2.820	0.000	0	0	0	0
019376	PL.11734	C	Consumer	7.35Y	122.5	0.00	3.52	0.73	0	5	1	98	0.00	0.0	2.820	0.000	5	1	1	1
019359	PL.11734	C	Consumer	7.35Y	122.5	0.00	3.52	0.00	0	0	0	100	0.00	0.0	2.820	0.000	0	0	0	0
019301	PL.11734	C	Consumer	7.35Y	122.5	0.00	3.52	0.00	0	0	0	100	0.00	0.0	2.820	0.000	0	0	0	0
PL.1635	PL.11734	C	4ACSR	7.35Y	122.5	0.00	3.52	0.00	0	0	0	100	0.00	0.0	2.863	0.043	0	0	0	0
0193115	PL.1635	C	Consumer	7.35Y	122.5	0.00	3.52	0.00	0	0	0	100	0.00	0.0	2.863	0.000	0	0	0	0
PL.17000	PL.6091	C	4ACSR	7.35Y	122.5	0.00	3.48	0.00	0	0	0	100	0.00	0.0	2.747	0.009	0	0	0	1
PD.1926	PL.17000	C	fuse6AMP	7.35Y	122.5	0.00	3.48	0.00	0	0	0	100	0.00	0.0	2.747	0.000	0	0	0	1
PL.17001	PD.1926	C	4ACSR	7.35Y	122.5	0.00	3.48	0.00	0	0	0	100	0.00	0.0	2.829	0.082	0	0	0	1
0193112	PL.17001	C	Consumer	7.35Y	122.5	0.00	3.48	0.00	0	0	0	100	0.00	0.0	2.829	0.000	0	0	1	1
0193100	PL.4861	C	Consumer	7.35Y	122.5	0.00	3.46	1.33	0	10	2	98	0.00	0.0	2.700	0.000	10	2	1	1
019338	PL.29002	C	Consumer	7.35Y	122.6	0.00	3.44	1.16	0	8	1	99	0.00	0.0	2.661	0.000	8	1	1	1
019371	PL.29002	C	Consumer	7.35Y	122.6	0.00	3.44	0.33	0	2	0	100	0.00	0.0	2.661	0.000	2	0	1	1
019361	PL.29002	C	Consumer	7.35Y	122.6	0.00	3.44	0.26	0	2	0	100	0.00	0.0	2.661	0.000	2	0	1	1
PL.1546	PL.27624	C	4ACSR	7.36Y	122.6	0.00	3.37	1.86	1	14	2	99	0.00	0.0	2.579	0.024	0	0	0	2
PL.1547	PL.1546	C	4ACSR	7.36Y	122.6	0.00	3.38	1.86	1	14	2	99	0.00	0.0	2.615	0.036	0	0	0	2
019342	PL.1547	C	Consumer	7.36Y	122.6	0.00	3.38	1.20	0	9	1	99	0.00	0.0	2.615	0.000	9	1	1	1
019324	PL.1547	C	Consumer	7.36Y	122.6	0.00	3.38	0.66	0	5	1	98	0.00	0.0	2.615	0.000	5	1	1	1
PL.27544	PL.72	A	4ACSR	7.42Y	123.7	0.01	2.28	15.92	8	117	19	99	0.01	0.0	2.263	0.009	0	0	0	18
PD.151-A	PL.27544	A	Closed	7.42Y	123.7	0.00	2.28	15.92	0	117	19	99	0.00	0.0	2.263	0.000	0	0	0	18
PD.151-B	PD.151-A	A	Closed	7.42Y	123.7	0.00	2.28	15.92	0	117	19	99	0.00	0.0	2.263	0.000	0	0	0	18
PL.27545	PD.151-B	A	4ACSR	7.42Y	123.7	0.01	2.30	15.92	8	117	19	99	0.01	0.0	2.285	0.022	0	0	0	18
019340	PL.27545	A	Consumer	7.42Y	123.7	0.00	2.30	0.42	0	3	0	100	0.00	0.0	2.285	0.000	3	0	1	1
PL.11723	PL.27545	A	4ACSR	7.41Y	123.6	0.13	2.42	15.50	8	114	18	99	0.11	0.1	2.474	0.189	0	0	0	17
PL.28071	PL.11723	A	4ACSR	7.41Y	123.6	0.00	2.42	0.64	0	5	1	98	0.00	0.0	2.482	0.008	0	0	0	1
PD.1912	PL.28071	A	fuse6AMP	7.41Y	123.6	0.00	2.42	0.64	11	5	1	98	0.00	0.0	2.482	0.000	0	0	0	1

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

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.28072	PD.1912	A	4ACSR	7.41Y	123.6	0.00	2.43	0.64	0	5	1	98	0.00	0.0	2.561	0.079	0	0	0	1
PL.11724	PL.28072	A	4ACSR	7.41Y	123.6	0.00	2.43	0.00	0	0	0	100	0.00	0.0	2.775	0.214	0	0	0	0
019336	PL.11724	A	Consumer	7.41Y	123.6	0.00	2.43	0.00	0	0	0	100	0.00	0.0	2.775	0.000	0	0	0	0
PL.1633	PL.28072	A	4ACSR	7.41Y	123.6	0.00	2.43	0.64	0	5	1	98	0.00	0.0	2.588	0.027	0	0	0	1
019393	PL.1633	A	Consumer	7.41Y	123.6	0.00	2.43	0.64	0	5	1	98	0.00	0.0	2.588	0.000	5	1	1	1
PL.6092	PL.11723	A	4ACSR	7.41Y	123.6	0.01	2.43	7.95	4	58	9	99	0.00	0.0	2.502	0.028	0	0	0	7
PL.11727	PL.6092	A	4ACSR	7.41Y	123.6	0.02	2.45	5.29	3	39	6	99	0.00	0.0	2.568	0.066	0	0	0	5
019341	PL.11727	A	Consumer	7.41Y	123.6	0.00	2.45	0.54	0	4	1	97	0.00	0.0	2.568	0.000	4	1	1	1
PL.11726	PL.11727	A	4ACSR	7.41Y	123.5	0.00	2.45	4.75	2	35	6	99	0.00	0.0	2.591	0.023	0	0	0	4
PL.11728	PL.11726	A	4ACSR	7.41Y	123.5	0.00	2.46	4.75	2	35	6	99	0.00	0.0	2.605	0.014	0	0	0	4
PL.11729	PL.11728	A	4ACSR	7.41Y	123.5	0.01	2.46	2.00	1	15	2	99	0.00	0.0	2.674	0.069	0	0	0	2
019304	PL.11729	A	Consumer	7.41Y	123.5	0.00	2.46	0.95	0	7	1	99	0.00	0.0	2.674	0.000	7	1	1	1
PL.11730	PL.11729	A	4ACSR	7.41Y	123.5	0.00	2.46	1.05	1	8	1	99	0.00	0.0	2.691	0.017	0	0	0	1
PL.1229	PL.11730	A	4ACSR	7.41Y	123.5	0.00	2.46	0.00	0	0	0	100	0.00	0.0	2.708	0.017	0	0	0	0
PL.11731	PL.11730	A	4ACSR	7.41Y	123.5	0.00	2.46	1.05	1	8	1	99	0.00	0.0	2.726	0.035	0	0	0	1
PL.24273	PL.11731	A	4ACSR	7.41Y	123.5	0.00	2.47	1.05	1	8	1	99	0.00	0.0	2.781	0.055	0	0	0	1
PL.40644	PL.24273	A	2ACSR	7.41Y	123.5	0.00	2.47	0.00	0	0	0	100	0.00	0.0	2.823	0.042	0	0	0	0
0703026	PL.40644	A	Consumer	7.41Y	123.5	0.00	2.47	0.00	0	0	0	100	0.00	0.0	2.823	0.000	0	0	0	0
0703025	PL.24273	A	Consumer	7.41Y	123.5	0.00	2.47	1.05	0	8	1	99	0.00	0.0	2.781	0.000	8	1	1	1
PL.31475	PL.11728	A	4ACSR	7.41Y	123.5	0.00	2.46	2.76	1	20	3	99	0.00	0.0	2.618	0.013	0	0	0	1
0193119	PL.31475	A	Consumer	7.41Y	123.5	0.00	2.46	2.76	0	20	3	99	0.00	0.0	2.618	0.000	20	3	1	1
0193116	PL.11728	A	Consumer	7.41Y	123.5	0.00	2.46	0.00	0	0	0	100	0.00	0.0	2.605	0.000	0	0	1	1
019394	PL.6092	A	Consumer	7.41Y	123.6	0.00	2.43	1.08	0	8	1	99	0.00	0.0	2.502	0.000	8	1	1	1
019395	PL.6092	A	Consumer	7.41Y	123.6	0.00	2.43	1.58	0	12	2	99	0.00	0.0	2.502	0.000	12	2	1	1
PL.16900	PL.11723	A	4ACSR	7.41Y	123.6	0.00	2.43	6.22	3	46	7	99	0.00	0.0	2.483	0.009	0	0	0	8
C PD.1925	PL.16900	A	fuse6AMP	7.41Y	123.6	0.00	2.43	6.22	106	46	7	99	0.00	0.0	2.483	0.000	0	0	0	8 C
PL.16901	PD.1925	A	4ACSR	7.41Y	123.6	0.01	2.44	6.22	3	46	7	99	0.00	0.0	2.524	0.041	0	0	0	8
0193107	PL.16901	A	Consumer	7.41Y	123.6	0.00	2.44	0.00	0	0	0	100	0.00	0.0	2.524	0.000	0	0	1	1
0193106	PL.16901	A	Consumer	7.41Y	123.6	0.00	2.44	0.51	0	4	1	97	0.00	0.0	2.524	0.000	4	1	1	1
0193109	PL.16901	A	Consumer	7.41Y	123.6	0.00	2.44	0.04	0	0	0	100	0.00	0.0	2.524	0.000	0	0	1	1
PL.1222	PL.16901	A	4ACSR	7.41Y	123.6	0.01	2.44	2.55	1	19	3	99	0.00	0.0	2.597	0.073	0	0	0	2
PL.1224	PL.1222	A	4ACSR	7.41Y	123.6	0.00	2.45	0.89	0	7	1	99	0.00	0.0	2.683	0.086	0	0	0	1
019397	PL.1224	A	Consumer	7.41Y	123.6	0.00	2.45	0.89	0	7	1	99	0.00	0.0	2.683	0.000	7	1	1	1
019355	PL.1222	A	Consumer	7.41Y	123.6	0.00	2.44	1.66	0	12	2	99	0.00	0.0	2.597	0.000	12	2	1	1
PL.11725	PL.16901	A	4ACSR	7.41Y	123.5	0.02	2.46	3.13	2	23	4	99	0.00	0.0	2.676	0.152	0	0	0	3
PL.11732	PL.11725	A	4ACSR	7.41Y	123.5	0.01	2.46	3.13	2	23	4	99	0.00	0.0	2.730	0.054	0	0	0	3
PL.11733	PL.11732	A	4ACSR	7.41Y	123.5	0.00	2.46	0.38	0	3	0	100	0.00	0.0	2.745	0.014	0	0	0	1
PL.17144	PL.11733	A	4ACSR	7.41Y	123.5	0.00	2.46	0.00	0	0	0	100	0.00	0.0	2.756	0.012	0	0	0	0

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Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.28950	PL.17144	A	4ACSR	7.41Y	123.5	0.00	2.46	0.00	0	0	0	100	0.00	0.0	2.762	0.006	0	0	0	0
PD.3661-A	PL.28950	A	Open	7.41Y	123.5	0.00	2.46	0.00	0	0	0	100	0.00	0.0	2.762	0.000	0	0	0	0
019391	PL.11733	A	Consumer	7.41Y	123.5	0.00	2.46	0.00	0	0	0	100	0.00	0.0	2.745	0.000	0	0	0	0
019354	PL.11733	A	Consumer	7.41Y	123.5	0.00	2.46	0.38	0	3	0	100	0.00	0.0	2.745	0.000	3	0	1	1
0193114	PL.11732	A	Consumer	7.41Y	123.5	0.00	2.46	0.84	0	6	1	99	0.00	0.0	2.730	0.000	6	1	1	1
019346	PL.11732	A	Consumer	7.41Y	123.5	0.00	2.46	0.00	0	0	0	100	0.00	0.0	2.730	0.000	0	0	0	0
0193113	PL.11732	A	Consumer	7.41Y	123.5	0.00	2.46	1.91	0	14	2	99	0.00	0.0	2.730	0.000	14	2	1	1
019399	PL.11723	A	Consumer	7.41Y	123.6	0.00	2.42	0.67	0	5	1	98	0.00	0.0	2.474	0.000	5	1	1	1
PL.18932	PL.17851	C	4ACSR	7.38Y	123.0	0.00	3.04	0.00	0	0	0	100	0.00	0.0	2.234	0.010	0	0	0	1
PD.1923	PL.18932	C	fuse6AMP	7.38Y	123.0	0.00	3.04	0.00	0	0	0	100	0.00	0.0	2.234	0.000	0	0	0	1
PL.18931	PD.1923	C	4ACSR	7.38Y	123.0	0.00	3.04	0.00	0	0	0	100	0.00	0.0	2.274	0.040	0	0	0	1
019364	PL.18931	C	Consumer	7.38Y	123.0	0.00	3.04	0.00	0	0	0	100	0.00	0.0	2.274	0.000	0	0	0	0
0193104	PL.18931	C	Consumer	7.38Y	123.0	0.00	3.04	0.00	0	0	0	100	0.00	0.0	2.274	0.000	0	0	1	1
PL.17853	PL.17851	A	4ACSR	7.42Y	123.7	0.00	2.26	0.38	0	3	0	100	0.00	0.0	2.235	0.011	0	0	0	1
PD.1924	PL.17853	A	fuse6AMP	7.42Y	123.7	0.00	2.26	0.38	6	3	0	100	0.00	0.0	2.235	0.000	0	0	0	1
PL.17852	PD.1924	A	4ACSR	7.42Y	123.7	0.00	2.26	0.38	0	3	0	100	0.00	0.0	2.253	0.018	0	0	0	1
019316	PL.17852	A	Consumer	7.42Y	123.7	0.00	2.26	0.38	0	3	0	100	0.00	0.0	2.253	0.000	3	0	1	1
PL.27548	PL.4864	A	4ACSR	7.43Y	123.8	0.00	2.19	0.00	0	0	0	100	0.00	0.0	2.119	0.007	0	0	0	0
PD.1922	PL.27548	A	fuse6AMP	7.43Y	123.8	0.00	2.19	0.00	0	0	0	100	0.00	0.0	2.119	0.000	0	0	0	0
PL.27549	PD.1922	A	4ACSR	7.43Y	123.8	0.00	2.19	0.00	0	0	0	100	0.00	0.0	2.170	0.051	0	0	0	0
018342	PL.4864	A	Consumer	7.43Y	123.8	0.00	2.19	0.17	0	1	0	100	0.00	0.0	2.112	0.000	1	0	1	1
		C		7.39Y	123.1	0.00	2.91	0.17	0	1	0	99					1	0	1	1
018359	PL.4864	C	Consumer	7.39Y	123.1	0.00	2.91	0.34	0	2	0	100	0.00	0.0	2.112	0.000	2	0	1	1
019311	PL.4864	C	Consumer	7.39Y	123.1	0.00	2.91	0.46	0	3	1	95	0.00	0.0	2.112	0.000	3	1	1	1
SRL.5405	PL.4864	A	Consumer	7.43Y	123.8	0.00	2.19	0.00	0	0	0	100	0.00	0.0	2.112	0.000	0	0	0	0
018322	PL.11719	C	Consumer	7.39Y	123.2	0.00	2.76	1.45	0	11	2	98	0.00	0.0	1.926	0.000	11	2	1	1
018350	PL.11719	A	Consumer	7.43Y	123.9	0.00	2.13	0.83	0	6	1	99	0.00	0.0	1.926	0.000	6	1	1	1
018363	PL.11719	A	Consumer	7.43Y	123.9	0.00	2.13	1.13	0	8	1	99	0.00	0.0	1.926	0.000	8	1	1	1
018304	PL.11719	B	Consumer	7.51Y	125.2	0.00	0.80	0.74	0	5	2	93	0.00	0.0	1.926	0.000	5	2	1	1
PL.16902	PL.11719	B	4ACSR	7.51Y	125.2	0.00	0.80	2.74	1	20	3	99	0.00	0.0	1.930	0.005	0	0	0	5
PD.1803	PL.16902	B	fuse6AMP	7.51Y	125.2	0.00	0.80	2.74	47	20	3	99	0.00	0.0	1.930	0.000	0	0	0	5
PL.16903	PD.1803	B	4ACSR	7.51Y	125.2	0.01	0.81	2.74	1	20	3	99	0.00	0.0	2.026	0.096	0	0	0	5
PL.33972	PL.16903	B	2ACSR	7.51Y	125.2	0.00	0.81	0.00	0	0	0	100	0.00	0.0	2.107	0.081	0	0	0	1
0183133	PL.33972	B	Consumer	7.51Y	125.2	0.00	0.81	0.00	0	0	0	100	0.00	0.0	2.107	0.000	0	0	1	1
PL.1565	PL.16903	B	4ACSR	7.51Y	125.2	0.00	0.81	0.64	0	5	1	98	0.00	0.0	2.083	0.057	0	0	0	1
018310	PL.1565	B	Consumer	7.51Y	125.2	0.00	0.81	0.00	0	0	0	100	0.00	0.0	2.083	0.000	0	0	0	0
018398	PL.1565	B	Consumer	7.51Y	125.2	0.00	0.81	0.64	0	5	1	98	0.00	0.0	2.083	0.000	5	1	1	1
018309	PL.16903	B	Consumer	7.51Y	125.2	0.00	0.81	0.26	0	2	0	100	0.00	0.0	2.026	0.000	2	0	1	1
018308	PL.16903	B	Consumer	7.51Y	125.2	0.00	0.81	1.39	0	10	2	98	0.00	0.0	2.026	0.000	10	2	1	1

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
0183109	PL.16903	B	Consumer	7.51Y	125.2	0.00	0.81	0.45	0	3	1	95	0.00	0.0	2.026	0.000	3	1	1	1
018351	PL.5831	B	Consumer	7.51Y	125.2	0.00	0.79	0.00	0	0	0	100	0.00	0.0	1.816	0.000	0	0	0	0
018380	PL.5831	A	Consumer	7.43Y	123.9	0.00	2.11	0.00	0	0	0	100	0.00	0.0	1.816	0.000	0	0	0	0
0183114	PL.5831	C	Consumer	7.40Y	123.3	0.00	2.69	0.32	0	2	0	100	0.00	0.0	1.816	0.000	2	0	1	1
PL.1197	PL.4865	B	4ACSR	7.51Y	125.2	0.01	0.80	9.51	5	71	11	99	0.00	0.0	1.711	0.021	0	0	0	11
C PD.1905	PL.1197	B	fuse6AMP	7.51Y	125.2	0.00	0.80	9.51	162	71	11	99	0.00	0.0	1.711	0.000	0	0	0	11 C
PL.5828	PD.1905	B	4ACSR	7.51Y	125.2	0.01	0.81	9.51	5	71	11	99	0.01	0.0	1.735	0.024	0	0	0	11
PL.5829	PL.5828	B	4ACSR	7.51Y	125.2	0.00	0.81	9.51	5	71	11	99	0.00	0.0	1.745	0.010	0	0	0	11
PL.1553	PL.5829	B	4ACSR	7.51Y	125.2	0.00	0.81	0.00	0	0	0	100	0.00	0.0	1.781	0.036	0	0	0	0
018328	PL.1553	B	Consumer	7.51Y	125.2	0.00	0.81	0.00	0	0	0	100	0.00	0.0	1.781	0.000	0	0	0	0
PL.1557	PL.5829	B	4ACSR	7.51Y	125.2	0.01	0.83	9.51	5	71	11	99	0.01	0.0	1.775	0.030	0	0	0	11
PL.1556	PL.1557	B	4ACSR	7.51Y	125.2	0.01	0.83	6.37	3	47	8	99	0.00	0.0	1.800	0.024	0	0	0	7
PL.5826	PL.1556	B	4ACSR	7.51Y	125.2	0.00	0.84	3.50	2	26	4	99	0.00	0.0	1.826	0.026	0	0	0	5
018319	PL.5826	B	Consumer	7.51Y	125.2	0.00	0.84	0.00	0	0	0	100	0.00	0.0	1.826	0.000	0	0	0	0
PL.5827	PL.5826	B	4ACSR	7.51Y	125.2	0.00	0.84	3.50	2	26	4	99	0.00	0.0	1.831	0.005	0	0	0	5
PL.1554	PL.5827	B	4ACSR	7.51Y	125.2	0.00	0.84	1.06	1	8	1	99	0.00	0.0	1.852	0.022	0	0	0	2
PL.1555	PL.1554	B	4ACSR	7.51Y	125.2	0.00	0.84	1.06	1	8	1	99	0.00	0.0	1.924	0.071	0	0	0	2
PL.1558	PL.1555	B	4ACSR	7.51Y	125.2	0.00	0.84	1.06	1	8	1	99	0.00	0.0	1.982	0.058	0	0	0	2
018368	PL.1558	B	Consumer	7.51Y	125.2	0.00	0.84	0.93	0	7	1	99	0.00	0.0	1.982	0.000	7	1	1	1
018385	PL.1558	B	Consumer	7.51Y	125.2	0.00	0.84	0.13	0	1	0	100	0.00	0.0	1.982	0.000	1	0	1	1
PL.1559	PL.1558	B	4ACSR	7.51Y	125.2	0.00	0.84	0.00	0	0	0	100	0.00	0.0	2.039	0.057	0	0	0	0
PL.1560	PL.1559	B	4ACSR	7.51Y	125.2	0.00	0.84	0.00	0	0	0	100	0.00	0.0	2.114	0.074	0	0	0	0
PL.20284	PL.5827	B	4ACSR	7.51Y	125.2	0.00	0.84	2.45	1	18	3	99	0.00	0.0	1.848	0.017	0	0	0	3
018372	PL.20284	B	Consumer	7.51Y	125.2	0.00	0.84	0.00	0	0	0	100	0.00	0.0	1.848	0.000	0	0	0	0
018390	PL.20284	B	Consumer	7.51Y	125.2	0.00	0.84	1.16	0	9	1	99	0.00	0.0	1.848	0.000	9	1	1	1
PL.20285	PL.20284	B	4ACSR	7.51Y	125.2	0.00	0.84	1.29	1	10	2	98	0.00	0.0	1.875	0.027	0	0	0	2
018366	PL.20285	B	Consumer	7.51Y	125.2	0.00	0.84	0.50	0	4	1	97	0.00	0.0	1.875	0.000	4	1	1	1
018394	PL.20285	B	Consumer	7.51Y	125.2	0.00	0.84	0.00	0	0	0	100	0.00	0.0	1.875	0.000	0	0	0	0
018365	PL.20285	B	Consumer	7.51Y	125.2	0.00	0.84	0.79	0	6	1	99	0.00	0.0	1.875	0.000	6	1	1	1
0183104	PL.1556	B	Consumer	7.51Y	125.2	0.00	0.83	0.82	0	6	1	99	0.00	0.0	1.800	0.000	6	1	1	1
0183130	PL.1556	B	Consumer	7.51Y	125.2	0.00	0.83	2.05	0	15	2	99	0.00	0.0	1.800	0.000	15	2	1	1
018388	PL.1557	B	Consumer	7.51Y	125.2	0.00	0.83	0.00	0	0	0	100	0.00	0.0	1.775	0.000	0	0	0	0
018364	PL.1557	B	Consumer	7.51Y	125.2	0.00	0.83	0.74	0	5	1	98	0.00	0.0	1.775	0.000	5	1	1	1
PL.16908	PL.1557	B	4ACSR	7.51Y	125.2	0.00	0.83	2.41	1	18	3	99	0.00	0.0	1.781	0.006	0	0	0	3
PD.1921	PL.16908	B	fuse6AMP	7.51Y	125.2	0.00	0.83	2.41	41	18	3	99	0.00	0.0	1.781	0.000	0	0	0	3
PL.16909	PD.1921	B	4ACSR	7.51Y	125.2	0.00	0.83	2.41	1	18	3	99	0.00	0.0	1.827	0.046	0	0	0	3
0183127	PL.16909	B	Consumer	7.51Y	125.2	0.00	0.83	0.56	0	4	1	97	0.00	0.0	1.827	0.000	4	1	1	1
PL.26272	PL.16909	B	4ACSR	7.51Y	125.2	0.00	0.83	1.85	1	14	2	99	0.00	0.0	1.876	0.049	0	0	0	2

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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.11777	PL.26272	B	4ACSR	7.51Y	125.2	0.01	0.84	1.85	1	14	2	99	0.00	0.0	1.961	0.085	0	0	0	2
PL.1226	PL.11777	B	4ACSR	7.51Y	125.1	0.01	0.85	1.14	1	8	1	99	0.00	0.0	2.181	0.220	0	0	0	1
0183115	PL.1226	B	Consumer	7.51Y	125.1	0.00	0.85	1.14	0	8	1	99	0.00	0.0	2.181	0.000	8	1	1	1
PL.9943	PL.11777	B	4ACSR	7.51Y	125.2	0.00	0.84	0.71	0	5	1	98	0.00	0.0	2.050	0.089	0	0	0	1
0183100	PL.9943	B	Consumer	7.51Y	125.2	0.00	0.84	0.71	0	5	1	98	0.00	0.0	2.050	0.000	5	1	1	1
018377	PL.4865	B	Consumer	7.51Y	125.2	0.00	0.79	0.00	0	0	0	100	0.00	0.0	1.690	0.000	0	0	0	0
018362	PL.4865	B	Consumer	7.51Y	125.2	0.00	0.79	0.13	0	1	0	100	0.00	0.0	1.690	0.000	1	0	1	1
018387	PL.4865	B	Consumer	7.51Y	125.2	0.00	0.79	0.24	0	2	1	89	0.00	0.0	1.690	0.000	2	1	1	1
018382	PL.4865	B	Consumer	7.51Y	125.2	0.00	0.79	0.36	0	3	0	100	0.00	0.0	1.690	0.000	3	0	1	1
018339	PL.11717	B	Consumer	7.51Y	125.2	0.00	0.77	1.68	0	11	5	91	0.00	0.0	1.534	0.000	11	5	1	1
018343	PL.11717	B	Consumer	7.51Y	125.2	0.00	0.77	0.00	0	0	0	100	0.00	0.0	1.534	0.000	0	0	0	0
PL.16906	PL.11716	C	4ACSR	7.41Y	123.5	0.01	2.45	1.34	1	10	2	98	0.00	0.0	1.534	0.103	0	0	0	3
PD.1907	PL.16906	C	fuse6AMP	7.41Y	123.5	0.00	2.45	1.34	23	10	2	98	0.00	0.0	1.534	0.000	0	0	0	3
PL.16907	PD.1907	C	4ACSR	7.41Y	123.5	0.00	2.45	1.34	1	10	2	98	0.00	0.0	1.544	0.010	0	0	0	3
PL.1549	PL.16907	C	4ACSR	7.41Y	123.5	0.00	2.46	1.26	1	9	1	99	0.00	0.0	1.633	0.089	0	0	0	2
PL.1626	PL.1549	C	4ACSR	7.41Y	123.5	0.00	2.46	0.59	0	4	1	97	0.00	0.0	1.652	0.019	0	0	0	1
PL.1627	PL.1626	C	4ACSR	7.41Y	123.5	0.00	2.46	0.59	0	4	1	97	0.00	0.0	1.693	0.040	0	0	0	1
PL.29912	PL.1627	C	4ACSR	7.41Y	123.5	0.00	2.46	0.59	0	4	1	97	0.00	0.0	1.726	0.033	0	0	0	1
0193117	PL.29912	C	Consumer	7.41Y	123.5	0.00	2.46	0.59	0	4	1	97	0.00	0.0	1.726	0.000	4	1	1	1
019387	PL.1627	C	Consumer	7.41Y	123.5	0.00	2.46	0.00	0	0	0	100	0.00	0.0	1.693	0.000	0	0	0	0
019333	PL.1549	C	Consumer	7.41Y	123.5	0.00	2.46	0.67	0	5	1	98	0.00	0.0	1.633	0.000	5	1	1	1
0183124	PL.16907	C	Consumer	7.41Y	123.5	0.00	2.45	0.08	0	1	0	100	0.00	0.0	1.544	0.000	1	0	1	1
0183126	PL.24538	B	Consumer	7.52Y	125.3	0.00	0.74	0.90	0	7	1	99	0.00	0.0	1.364	0.000	7	1	1	1
019345	PL.11715	B	Consumer	7.52Y	125.3	0.00	0.71	2.00	0	15	2	99	0.00	0.0	1.208	0.000	15	2	1	1
PL.17143	PL.17845	A	4ACSR	7.44Y	124.1	0.01	1.92	5.20	3	38	8	98	0.00	0.0	1.233	0.061	0	0	0	7
		C		7.42Y	123.7	0.00	2.30	0.87	0	6	3	90					0	0	0	1
PL.31005	PL.17143	A	4ACSR	7.44Y	124.1	0.00	1.92	3.13	2	23	4	99	0.00	0.0	1.244	0.011	0	0	0	4
PL.31006	PL.31005	A	4ACSR	7.44Y	124.1	0.01	1.93	3.13	2	23	4	99	0.00	0.0	1.321	0.077	0	0	0	4
PL.1561	PL.31006	A	4ACSR	7.44Y	124.1	0.00	1.94	1.42	1	10	2	98	0.00	0.0	1.389	0.068	0	0	0	1
019329	PL.1561	A	Consumer	7.44Y	124.1	0.00	1.94	1.42	0	10	2	98	0.00	0.0	1.389	0.000	10	2	1	1
PL.1551	PL.31006	A	4ACSR	7.44Y	124.1	0.00	1.94	0.85	0	6	1	99	0.00	0.0	1.385	0.064	0	0	0	1
PL.1552	PL.1551	A	4ACSR	7.44Y	124.1	0.00	1.94	0.85	0	6	1	99	0.00	0.0	1.463	0.078	0	0	0	1
019375	PL.1552	A	Consumer	7.44Y	124.1	0.00	1.94	0.85	0	6	1	99	0.00	0.0	1.463	0.000	6	1	1	1
0193120	PL.31006	A	Consumer	7.44Y	124.1	0.00	1.93	0.05	0	0	0	100	0.00	0.0	1.321	0.000	0	0	1	1
019332	PL.31006	A	Consumer	7.44Y	124.1	0.00	1.93	0.82	0	6	1	99	0.00	0.0	1.321	0.000	6	1	1	1
019309	PL.17143	A	Consumer	7.44Y	124.1	0.00	1.92	0.73	0	5	1	98	0.00	0.0	1.233	0.000	5	1	1	1
0193103	PL.17143	A	Consumer	7.44Y	124.1	0.00	1.92	0.87	0	6	3	89	0.00	0.0	1.233	0.000	6	3	1	1
		C		7.42Y	123.7	0.00	2.30	0.87	0	6	3	90					6	3	1	1
019327	PL.17143	A	Consumer	7.44Y	124.1	0.00	1.92	0.50	0	4	1	97	0.00	0.0	1.233	0.000	4	1	1	1

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Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.45761	PL.45759	C	2ACSR	7.43Y	123.8	0.00	2.22	0.00	0	0	0	100	0.00	0.0	1.073	0.022	0	0	0	0
PD.8678	PL.45761	C	fuse6AMP	7.43Y	123.8	0.00	2.22	0.00	0	0	0	100	0.00	0.0	1.073	0.000	0	0	0	0
PL.45762	PD.8678	C	2ACSR	7.43Y	123.8	0.00	2.22	0.00	0	0	0	100	0.00	0.0	1.312	0.240	0	0	0	0
PL.45756	PL.45754	A	2ACSR	7.45Y	124.1	0.00	1.86	0.00	0	0	0	100	0.00	0.0	1.029	0.004	0	0	0	0
PD.8677	PL.45756	A	fuse6AMP	7.45Y	124.1	0.00	1.86	0.00	0	0	0	100	0.00	0.0	1.029	0.000	0	0	0	0
PL.45757	PD.8677	A	2ACSR	7.45Y	124.1	0.00	1.86	0.00	0	0	0	100	0.00	0.0	1.060	0.031	0	0	0	0
PL.30927	PL.30854	A	4/0ACSR	7.45Y	124.2	0.00	1.83	112.37	24	827	132	99	0.02	0.0	0.961	0.002	0	0	0	117
		B		7.52Y	125.3	0.00	0.67	73.60	16	547	82	99					0	0	0	82
		C		7.43Y	123.8	0.00	2.16	93.53	20	685	117	99					0	0	0	112
PL.17136	PL.30927	A	4ACSR	7.45Y	124.2	0.00	1.83	1.97	1	14	2	99	0.00	0.0	0.972	0.011	0	0	0	4
PD.1933	PL.17136	A	fuse6AMP	7.45Y	124.2	0.00	1.83	1.97	34	14	2	99	0.00	0.0	0.972	0.000	0	0	0	4
PL.17137	PD.1933	A	4ACSR	7.45Y	124.2	0.01	1.84	1.97	1	14	2	99	0.00	0.0	1.052	0.080	0	0	0	4
PL.27848	PL.17137	A	4ACSR	7.45Y	124.2	0.00	1.84	0.76	0	6	1	99	0.00	0.0	1.084	0.032	0	0	0	3
018454	PL.27848	A	Consumer	7.45Y	124.2	0.00	1.84	0.00	0	0	0	100	0.00	0.0	1.084	0.000	0	0	0	0
018462	PL.27848	A	Consumer	7.45Y	124.2	0.00	1.84	0.15	0	1	0	100	0.00	0.0	1.084	0.000	1	0	1	1
0184128	PL.27848	A	Consumer	7.45Y	124.2	0.00	1.84	0.00	0	0	0	100	0.00	0.0	1.084	0.000	0	0	0	0
PL.21173	PL.27848	A	4ACSR	7.45Y	124.2	0.00	1.84	0.61	0	4	1	97	0.00	0.0	1.103	0.019	0	0	0	2
PD.2731-A	PL.21173	A	Closed	7.45Y	124.2	0.00	1.84	0.61	0	4	1	97	0.00	0.0	1.103	0.000	0	0	0	2
PD.2731-B	PD.2731-A	A	Closed	7.45Y	124.2	0.00	1.84	0.61	0	4	1	97	0.00	0.0	1.103	0.000	0	0	0	2
PL.21174	PD.2731-B	A	4ACSR	7.45Y	124.2	0.00	1.84	0.61	0	4	1	97	0.00	0.0	1.110	0.007	0	0	0	2
018420	PL.21174	A	Consumer	7.45Y	124.2	0.00	1.84	0.40	0	3	0	100	0.00	0.0	1.110	0.000	3	0	1	1
018425	PL.21174	A	Consumer	7.45Y	124.2	0.00	1.84	0.21	0	2	0	100	0.00	0.0	1.110	0.000	2	0	1	1
018426	PL.17137	A	Consumer	7.45Y	124.2	0.00	1.84	1.21	0	9	1	99	0.00	0.0	1.052	0.000	9	1	1	1
PL.30928	PL.30927	A	4/0ACSR	7.45Y	124.1	0.04	1.87	110.40	23	812	130	99	0.47	0.0	1.002	0.041	0	0	0	113
		B		7.52Y	125.3	0.02	0.68	73.60	16	547	82	99					0	0	0	82
		C		7.43Y	123.8	0.04	2.21	93.53	20	685	117	99					0	0	0	112
PD.155-A	PL.30928	A	Closed	7.45Y	124.1	0.00	1.87	110.40	0	812	129	99	0.00	0.0	1.002	0.000	0	0	0	113
		B		7.52Y	125.3	0.00	0.68	73.60	0	547	81	99					0	0	0	82
		C		7.43Y	123.8	0.00	2.21	93.53	0	685	116	99					0	0	0	112
PD.155-B	PD.155-A	A	Closed	7.45Y	124.1	0.00	1.87	110.40	0	812	129	99	0.00	0.0	1.002	0.000	0	0	0	113
		B		7.52Y	125.3	0.00	0.68	73.60	0	547	81	99					0	0	0	82
		C		7.43Y	123.8	0.00	2.21	93.53	0	685	116	99					0	0	0	112
PL.20315	PD.155-B	A	4/0ACSR	7.44Y	124.1	0.05	1.92	110.40	23	812	129	99	0.56	0.0	1.051	0.048	0	0	0	113
		B		7.52Y	125.3	0.02	0.70	73.60	16	547	81	99					0	0	0	82
		C		7.42Y	123.7	0.05	2.26	93.53	20	685	116	99					0	0	0	112
018452	PL.20315	A	Consumer	7.44Y	124.1	0.00	1.92	1.37	0	10	2	98	0.00	0.0	1.051	0.000	10	2	1	1
018417	PL.20315	B	Consumer	7.52Y	125.3	0.00	0.70	0.02	0	0	0	100	0.00	0.0	1.051	0.000	0	0	1	1
018427	PL.20315	A	Consumer	7.44Y	124.1	0.00	1.92	0.60	0	4	1	97	0.00	0.0	1.051	0.000	4	1	1	1
PL.4488	PL.20315	A	4/0ACSR	7.44Y	124.0	0.03	1.96	108.43	23	797	126	99	0.39	0.0	1.085	0.035	0	0	0	111
		B		7.52Y	125.3	0.02	0.72	73.58	16	547	81	99					0	0	0	81
		C		7.42Y	123.7	0.04	2.30	93.53	20	685	116	99					0	0	0	112
018498	PL.4488	B	Consumer	7.52Y	125.3	0.00	0.72	1.33	0	10	2	98	0.00	0.0	1.085	0.000	10	2	1	1
018431	PL.4488	A	Consumer	7.44Y	124.0	0.00	1.96	1.22	0	9	1	99	0.00	0.0	1.085	0.000	9	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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.11556	PL.4488	A	4/0ACSR	7.44Y	124.0	0.04	2.00	107.21	23	788	125	99	0.50	0.0	1.130	0.045	0	0	0	110
		B		7.52Y	125.3	0.02	0.74	72.25	15	537	80	99					0	0	0	80
		C		7.42Y	123.7	0.05	2.35	93.53	20	684	116	99					0	0	0	112
PL.11558	PL.11556	A	4/0ACSR	7.44Y	123.9	0.07	2.07	104.96	22	771	122	99	0.79	0.0	1.203	0.073	0	0	0	106
		B		7.51Y	125.2	0.03	0.77	72.25	15	537	79	99					0	0	0	80
		C		7.41Y	123.6	0.08	2.43	93.53	20	684	116	99					0	0	0	112
PL.11559	PL.11558	A	4/0ACSR	7.43Y	123.9	0.07	2.14	101.36	22	745	117	99	0.85	0.0	1.284	0.081	0	0	0	101
		B		7.51Y	125.2	0.04	0.81	70.63	15	525	77	99					0	0	0	77
		C		7.41Y	123.5	0.09	2.51	93.53	20	684	115	99					0	0	0	112
018473	PL.11559	B	Consumer	7.51Y	125.2	0.00	0.81	0.37	0	3	0	100	0.00	0.0	1.284	0.000	3	0	1	1
0184132	PL.11559	A	Consumer	7.43Y	123.9	0.00	2.14	0.00	0	0	0	100	0.00	0.0	1.284	0.000	0	0	0	0
0184103	PL.11559	A	Consumer	7.43Y	123.9	0.00	2.14	1.52	0	11	2	98	0.00	0.0	1.284	0.000	11	2	1	1
0184124	PL.11559	A	Consumer	7.43Y	123.9	0.00	2.14	2.14	0	16	3	98	0.00	0.0	1.284	0.000	16	3	1	1
018463	PL.11559	B	Consumer	7.51Y	125.2	0.00	0.81	0.10	0	1	0	100	0.00	0.0	1.284	0.000	1	0	1	1
018407	PL.11559	B	Consumer	7.51Y	125.2	0.00	0.81	0.01	0	0	0	100	0.00	0.0	1.284	0.000	0	0	1	1
018453	PL.11559	B	Consumer	7.51Y	125.2	0.00	0.81	0.50	0	4	1	97	0.00	0.0	1.284	0.000	4	1	1	1
PL.11560	PL.11559	A	4/0ACSR	7.43Y	123.8	0.02	2.16	97.70	21	717	112	99	0.26	0.0	1.309	0.026	0	0	0	99
		B		7.51Y	125.2	0.01	0.82	69.65	15	518	76	99					0	0	0	73
		C		7.41Y	123.5	0.03	2.54	93.53	20	683	115	99					0	0	0	112
PL.6100	PL.11560	A	4/0ACSR	7.43Y	123.8	0.03	2.18	96.39	21	708	110	99	0.31	0.0	1.341	0.032	0	0	0	97
		B		7.51Y	125.2	0.02	0.84	69.65	15	518	76	99					0	0	0	73
		C		7.41Y	123.4	0.03	2.58	93.19	20	681	114	99					0	0	0	111
PL.19513	PL.6100	A	4/0ACSR	7.43Y	123.8	0.06	2.24	96.39	21	708	109	99	0.70	0.0	1.412	0.070	0	0	0	97
		B		7.51Y	125.1	0.03	0.87	69.65	15	518	76	99					0	0	0	73
		C		7.40Y	123.3	0.08	2.65	93.19	20	681	114	99					0	0	0	111
PL.19514	PL.19513	A	4/0ACSR	7.42Y	123.7	0.06	2.30	96.39	21	707	109	99	0.77	0.0	1.490	0.078	0	0	0	97
		B		7.51Y	125.1	0.04	0.90	68.12	14	506	73	99					0	0	0	69
		C		7.40Y	123.3	0.08	2.73	93.19	20	680	113	99					0	0	0	111
0183129	PL.19514	A	Consumer	7.42Y	123.7	0.00	2.30	0.12	0	1	0	100	0.00	0.0	1.490	0.000	1	0	1	1
0183117	PL.19514	B	Consumer	7.51Y	125.1	0.00	0.90	1.52	0	11	2	98	0.00	0.0	1.490	0.000	11	2	1	1
0183113	PL.19514	A	Consumer	7.42Y	123.7	0.00	2.30	0.42	0	3	0	100	0.00	0.0	1.490	0.000	3	0	1	1
PL.16910	PL.19514	C	4ACSR	7.40Y	123.3	0.00	2.73	0.74	0	5	2	93	0.00	0.0	1.497	0.007	0	0	0	2
PD.1801	PL.16910	C	fuse6AMP	7.40Y	123.3	0.00	2.73	0.74	13	5	2	93	0.00	0.0	1.497	0.000	0	0	0	2
PL.16911	PD.1801	C	4ACSR	7.40Y	123.3	0.00	2.74	0.74	0	5	2	93	0.00	0.0	1.516	0.019	0	0	0	2
018367	PL.16911	C	Consumer	7.40Y	123.3	0.00	2.74	0.74	0	5	2	93	0.00	0.0	1.516	0.000	5	2	1	1
PL.5833	PL.16911	C	4ACSR	7.40Y	123.3	0.00	2.74	0.00	0	0	0	100	0.00	0.0	1.528	0.012	0	0	0	1
018371	PL.5833	C	Consumer	7.40Y	123.3	0.00	2.74	0.00	0	0	0	100	0.00	0.0	1.528	0.000	0	0	1	1
PL.6090	PL.19514	A	4/0ACSR	7.42Y	123.7	0.02	2.32	95.85	20	703	107	99	0.24	0.0	1.514	0.025	0	0	0	95
		B		7.51Y	125.1	0.01	0.92	66.60	14	495	71	99					0	0	0	68
		C		7.39Y	123.2	0.03	2.76	92.48	20	675	110	99					0	0	0	109
PL.5832	PL.6090	A	4/0ACSR	7.42Y	123.7	0.03	2.35	95.85	20	703	107	99	0.32	0.0	1.547	0.033	0	0	0	95
		B		7.50Y	125.1	0.01	0.93	65.06	14	483	70	99					0	0	0	66
		C		7.39Y	123.2	0.04	2.80	92.48	20	675	110	99					0	0	0	109
018318	PL.5832	B	Consumer	7.50Y	125.1	0.00	0.93	0.94	0	6	3	89	0.00	0.0	1.547	0.000	6	3	1	1
0183110	PL.5832	B	Consumer	7.50Y	125.1	0.00	0.93	1.64	0	11	5	91	0.00	0.0	1.547	0.000	11	5	1	1
PL.44251	PL.5832	A	4/0ACSR	7.42Y	123.6	0.02	2.37	95.85	20	703	107	99	0.29	0.0	1.578	0.031	0	0	0	95
		B		7.50Y	125.1	0.01	0.94	62.59	13	466	61	99					0	0	0	64
		C		7.39Y	123.2	0.03	2.83	92.48	20	675	110	99					0	0	0	109

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.44252	PL.44251	A	4/0ACSR	7.41Y	123.6	0.05	2.42	95.85	20	703	107	99	0.59	0.0	1.640	0.062	0	0	0	95
		B		7.50Y	125.0	0.02	0.96	62.59	13	466	61	99					0	0	0	64
		C		7.39Y	123.1	0.07	2.90	92.48	20	675	110	99					0	0	0	109
PD.147-A	PL.44252	A	Closed	7.41Y	123.6	0.00	2.42	95.85	0	703	106	99	0.00	0.0	1.640	0.000	0	0	0	95
		B		7.50Y	125.0	0.00	0.96	62.59	0	466	61	99					0	0	0	64
		C		7.39Y	123.1	0.00	2.90	92.48	0	674	109	99					0	0	0	109
PD.147-B	PD.147-A	A	Closed	7.41Y	123.6	0.00	2.42	95.85	0	703	106	99	0.00	0.0	1.640	0.000	0	0	0	95
		B		7.50Y	125.0	0.00	0.96	62.59	0	466	61	99					0	0	0	64
		C		7.39Y	123.1	0.00	2.90	92.48	0	674	109	99					0	0	0	109
PL.17834	PD.147-B	A	4/0ACSR	7.41Y	123.6	0.01	2.43	95.85	20	703	106	99	0.11	0.0	1.652	0.012	0	0	0	95
		B		7.50Y	125.0	0.00	0.97	62.59	13	466	61	99					0	0	0	64
		C		7.39Y	123.1	0.01	2.91	92.48	20	674	109	99					0	0	0	109
018321	PL.17834	A	Consumer	7.41Y	123.6	0.00	2.43	0.78	0	6	1	99	0.00	0.0	1.652	0.000	6	1	1	1
0183116	PL.17834	A	Consumer	7.41Y	123.6	0.00	2.43	0.00	0	0	0	100	0.00	0.0	1.652	0.000	0	0	1	1
PL.1202	PL.17834	A	4ACSR	7.41Y	123.6	0.00	2.43	1.36	1	10	2	98	0.00	0.0	1.703	0.051	0	0	0	1
018393	PL.1202	A	Consumer	7.41Y	123.6	0.00	2.43	1.36	0	10	2	98	0.00	0.0	1.703	0.000	10	2	1	1
PL.17831	PL.17834	A	4/0ACSR	7.41Y	123.6	0.01	2.44	93.72	20	687	103	99	0.08	0.0	1.660	0.008	0	0	0	92
		B		7.50Y	125.0	0.00	0.97	62.59	13	466	61	99					0	0	0	64
		C		7.38Y	123.1	0.01	2.92	92.48	20	674	109	99					0	0	0	109
PL.17832	PL.17831	A	4/0ACSR	7.41Y	123.5	0.04	2.48	93.72	20	687	103	99	0.51	0.0	1.715	0.055	0	0	0	92
		B		7.50Y	125.0	0.02	0.99	62.59	13	466	61	99					0	0	0	64
		C		7.38Y	123.0	0.06	2.98	92.48	20	674	109	99					0	0	0	109
018378	PL.17832	C	Consumer	7.38Y	123.0	0.00	2.98	0.85	0	6	1	99	0.00	0.0	1.715	0.000	6	1	1	1
018335	PL.17832	B	Consumer	7.50Y	125.0	0.00	0.99	0.00	0	0	0	100	0.00	0.0	1.715	0.000	0	0	1	1
018334	PL.17832	B	Consumer	7.50Y	125.0	0.00	0.99	0.55	0	4	1	97	0.00	0.0	1.715	0.000	4	1	1	1
PL.11561	PL.17832	A	4/0ACSR	7.41Y	123.5	0.03	2.51	93.72	20	687	103	99	0.39	0.0	1.758	0.043	0	0	0	92
		B		7.50Y	125.0	0.02	1.01	62.04	13	461	60	99					0	0	0	62
		C		7.38Y	123.0	0.05	3.03	91.63	19	668	108	99					0	0	0	108
PL.11562	PL.11561	A	4/0ACSR	7.41Y	123.5	0.03	2.54	90.65	19	664	99	99	0.36	0.0	1.797	0.040	0	0	0	88
		B		7.50Y	125.0	0.02	1.03	62.04	13	461	60	99					0	0	0	62
		C		7.38Y	122.9	0.04	3.07	91.63	19	667	108	99					0	0	0	108
018331	PL.11562	B	Consumer	7.50Y	125.0	0.00	1.03	0.61	0	5	1	98	0.00	0.0	1.797	0.000	5	1	1	1
018345	PL.11562	C	Consumer	7.38Y	122.9	0.00	3.07	0.18	0	1	0	100	0.00	0.0	1.797	0.000	1	0	1	1
PL.5834	PL.11562	A	4/0ACSR	7.41Y	123.4	0.03	2.57	90.65	19	664	99	99	0.37	0.0	1.839	0.042	0	0	0	88
		B		7.50Y	125.0	0.02	1.04	61.43	13	457	59	99					0	0	0	61
		C		7.37Y	122.9	0.05	3.12	91.45	19	666	107	99					0	0	0	107
PL.16914	PL.5834	C	4ACSR	7.37Y	122.9	0.00	3.12	1.18	1	9	1	99	0.00	0.0	1.845	0.006	0	0	0	2
PD.1800	PL.16914	C	fuse6AMP	7.37Y	122.9	0.00	3.12	1.18	20	9	1	99	0.00	0.0	1.845	0.000	0	0	0	2
PL.16915	PD.1800	C	4ACSR	7.37Y	122.9	0.00	3.12	1.18	1	9	1	99	0.00	0.0	1.863	0.018	0	0	0	2
PL.1201	PL.16915	C	4ACSR	7.37Y	122.9	0.00	3.12	1.18	1	9	1	99	0.00	0.0	1.912	0.048	0	0	0	2
018347	PL.1201	C	Consumer	7.37Y	122.9	0.00	3.12	0.73	0	5	1	98	0.00	0.0	1.912	0.000	5	1	1	1
018344	PL.1201	C	Consumer	7.37Y	122.9	0.00	3.12	0.45	0	3	1	95	0.00	0.0	1.912	0.000	3	1	1	1
PL.5877	PL.5834	A	4/0ACSR	7.40Y	123.4	0.03	2.59	85.80	18	629	93	99	0.33	0.0	1.878	0.039	0	0	0	81
		B		7.50Y	124.9	0.02	1.06	61.21	13	455	59	99					0	0	0	60
		C		7.37Y	122.8	0.04	3.16	90.27	19	657	106	99					0	0	0	105
018317	PL.5877	B	Consumer	7.50Y	124.9	0.00	1.06	0.40	0	3	0	100	0.00	0.0	1.878	0.000	3	0	1	1
PL.5878	PL.5877	A	4/0ACSR	7.40Y	123.4	0.05	2.64	85.80	18	629	92	99	0.59	0.0	1.948	0.070	0	0	0	81
		B		7.49Y	124.9	0.03	1.09	60.80	13	452	58	99					0	0	0	59
		C		7.37Y	122.8	0.07	3.23	90.27	19	657	105	99					0	0	0	105

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.39875	PL.5878	A	4/0ACSR	7.40Y	123.3	0.02	2.66	85.80	18	628	92	99	0.30	0.0	1.985	0.037	0	0	0	81
		B		7.49Y	124.9	0.01	1.10	59.23	13	440	56	99					0	0	0	56
		C		7.36Y	122.7	0.04	3.27	90.27	19	657	105	99					0	0	0	105
018356	PL.39875	C	Consumer	7.36Y	122.7	0.00	3.27	0.14	0	1	0	100	0.00	0.0	1.985	0.000	1	0	1	1
018341	PL.39875	B	Consumer	7.49Y	124.9	0.00	1.10	0.00	0	0	0	100	0.00	0.0	1.985	0.000	0	0	1	1
PL.39876	PL.39875	A	4/0ACSR	7.40Y	123.3	0.02	2.68	85.80	18	628	92	99	0.23	0.0	2.013	0.028	0	0	0	81
		B		7.49Y	124.9	0.01	1.11	59.05	13	439	56	99					0	0	0	53
		C		7.36Y	122.7	0.03	3.30	90.13	19	655	104	99					0	0	0	104
PL.5875	PL.39876	A	4/0ACSR	7.40Y	123.3	0.02	2.70	85.80	18	628	92	99	0.30	0.0	2.049	0.036	0	0	0	81
		B		7.49Y	124.9	0.01	1.13	59.05	13	439	56	99					0	0	0	53
		C		7.36Y	122.7	0.04	3.34	90.13	19	655	104	99					0	0	0	104
PL.5881	PL.5875	A	4/0ACSR	7.40Y	123.3	0.04	2.74	84.44	18	618	90	99	0.53	0.0	2.113	0.065	0	0	0	80
		B		7.49Y	124.8	0.03	1.16	59.05	13	439	56	99					0	0	0	53
		C		7.36Y	122.6	0.07	3.41	90.13	19	655	104	99					0	0	0	104
017304	PL.5881	B	Consumer	7.49Y	124.8	0.00	1.16	1.26	0	9	1	99	0.00	0.0	2.113	0.000	9	1	1	1
017359	PL.5881	B	Consumer	7.49Y	124.8	0.00	1.16	1.20	0	9	1	99	0.00	0.0	2.113	0.000	9	1	1	1
017303	PL.5881	B	Consumer	7.49Y	124.8	0.00	1.16	0.00	0	0	0	100	0.00	0.0	2.113	0.000	0	0	0	0
017321	PL.5881	B	Consumer	7.49Y	124.8	0.00	1.16	0.00	0	0	0	100	0.00	0.0	2.113	0.000	0	0	0	0
017324	PL.5881	B	Consumer	7.49Y	124.8	0.00	1.16	0.00	0	0	0	100	0.00	0.0	2.113	0.000	0	0	0	0
PL.11563	PL.5881	A	4/0ACSR	7.39Y	123.2	0.10	2.84	84.44	18	618	89	99	1.33	0.1	2.278	0.165	0	0	0	80
		B		7.49Y	124.8	0.06	1.22	56.60	12	421	53	99					0	0	0	51
		C		7.35Y	122.4	0.18	3.58	90.13	19	655	104	99					0	0	0	104
PL.11564	PL.11563	A	4/0ACSR	7.39Y	123.1	0.04	2.88	84.44	18	618	88	99	0.54	0.0	2.347	0.069	0	0	0	80
		B		7.49Y	124.8	0.02	1.24	55.85	12	415	52	99					0	0	0	50
		C		7.34Y	122.3	0.07	3.65	88.52	19	642	101	99					0	0	0	103
PL.16675	PL.11564	C	4ACSR	7.34Y	122.3	0.00	3.66	1.38	1	10	2	98	0.00	0.0	2.352	0.005	0	0	0	3
PD.1902	PL.16675	C	fuse6AMP	7.34Y	122.3	0.00	3.66	1.38	24	10	2	98	0.00	0.0	2.352	0.000	0	0	0	3
PL.16676	PD.1902	C	4ACSR	7.34Y	122.3	0.00	3.66	1.38	1	10	2	98	0.00	0.0	2.398	0.046	0	0	0	3
PL.5883	PL.16676	C	4ACSR	7.34Y	122.3	0.00	3.66	1.29	1	9	2	98	0.00	0.0	2.448	0.051	0	0	0	1
017348	PL.5883	C	Consumer	7.34Y	122.3	0.00	3.66	1.29	0	9	2	98	0.00	0.0	2.448	0.000	9	2	1	1
017314	PL.16676	C	Consumer	7.34Y	122.3	0.00	3.66	0.09	0	1	0	100	0.00	0.0	2.398	0.000	1	0	1	1
017352	PL.16676	C	Consumer	7.34Y	122.3	0.00	3.66	0.00	0	0	0	100	0.00	0.0	2.398	0.000	0	0	0	0
017323	PL.16676	C	Consumer	7.34Y	122.3	0.00	3.66	0.00	0	0	0	100	0.00	0.0	2.398	0.000	0	0	1	1
PL.11565	PL.11564	A	4/0ACSR	7.39Y	123.1	0.02	2.90	84.44	18	618	88	99	0.20	0.0	2.372	0.025	0	0	0	80
		B		7.48Y	124.7	0.01	1.25	55.85	12	415	51	99					0	0	0	50
		C		7.34Y	122.3	0.03	3.68	87.13	19	632	98	99					0	0	0	100
PL.11337	PL.11565	A	4/0ACSR	7.38Y	123.1	0.05	2.95	84.44	18	617	88	99	0.61	0.0	2.450	0.078	0	0	0	80
		B		7.48Y	124.7	0.03	1.28	55.85	12	415	51	99					0	0	0	50
		C		7.33Y	122.2	0.08	3.76	87.13	19	632	98	99					0	0	0	100
PL.16075	PL.11337	A	4ACSR	7.38Y	123.1	0.00	2.95	3.14	2	23	4	99	0.00	0.0	2.458	0.007	0	0	0	7
PD.1798	PL.16075	A	fuse6AMP	7.38Y	123.1	0.00	2.95	3.14	54	23	4	99	0.00	0.0	2.458	0.000	0	0	0	7
PL.16076	PD.1798	A	4ACSR	7.38Y	123.0	0.00	2.95	3.14	2	23	4	99	0.00	0.0	2.476	0.018	0	0	0	7
PL.5952	PL.16076	A	4ACSR	7.38Y	123.0	0.00	2.95	3.14	2	23	4	99	0.00	0.0	2.481	0.005	0	0	0	7
PL.11341	PL.5952	A	4ACSR	7.38Y	123.0	0.00	2.95	0.00	0	0	0	100	0.00	0.0	2.509	0.028	0	0	0	0
017360	PL.5952	A	Consumer	7.38Y	123.0	0.00	2.95	0.41	0	3	0	100	0.00	0.0	2.481	0.000	3	0	1	1
017334	PL.5952	A	Consumer	7.38Y	123.0	0.00	2.95	1.05	0	8	1	99	0.00	0.0	2.481	0.000	8	1	1	1

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

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
017308	PL.5952	A	Consumer	7.38Y	123.0	0.00	2.95	0.56	0	4	1	97	0.00	0.0	2.481	0.000	4	1	1	1	
574902	PL.5952	A	Consumer	7.38Y	123.0	0.00	2.95	0.23	0	2	0	100	0.00	0.0	2.481	0.000	2	0	1	1	
PL.11340	PL.5952	A	4ACSR	7.38Y	123.0	0.00	2.95	0.89	0	7	1	99	0.00	0.0	2.484	0.003	0	0	0	3	
PL.3562	PL.11340	A	4ACSR	7.38Y	123.0	0.00	2.95	0.89	0	7	1	99	0.00	0.0	2.501	0.017	0	0	0	3	
574905	PL.3562	A	Consumer	7.38Y	123.0	0.00	2.95	0.49	0	4	1	97	0.00	0.0	2.501	0.000	4	1	1	1	
574904	PL.3562	A	Consumer	7.38Y	123.0	0.00	2.95	0.25	0	2	0	100	0.00	0.0	2.501	0.000	2	0	1	1	
574906	PL.3562	A	Consumer	7.38Y	123.0	0.00	2.95	0.16	0	1	0	100	0.00	0.0	2.501	0.000	1	0	1	1	
PL.1204	PL.11337	C	4ACSR	7.33Y	122.2	0.00	3.77	6.91	4	50	8	99	0.00	0.0	2.461	0.011	0	0	0	8	
C PD.1903	PL.1204	C	fuse6AMP	7.33Y	122.2	0.00	3.77	6.91	118	50	8	99	0.00	0.0	2.461	0.000	0	0	0	8	C
PL.5950	PD.1903	C	4ACSR	7.33Y	122.2	0.03	3.80	6.91	4	50	8	99	0.01	0.0	2.561	0.100	0	0	0	8	
017328	PL.5950	C	Consumer	7.33Y	122.2	0.00	3.80	1.18	0	9	1	99	0.00	0.0	2.561	0.000	9	1	1	1	
017343	PL.5950	C	Consumer	7.33Y	122.2	0.00	3.80	0.92	0	7	1	99	0.00	0.0	2.561	0.000	7	1	1	1	
PL.5951	PL.5950	C	4ACSR	7.33Y	122.2	0.03	3.83	4.81	2	35	6	99	0.01	0.0	2.709	0.148	0	0	0	6	
PL.1203	PL.5951	C	4ACSR	7.33Y	122.2	0.01	3.84	4.81	2	35	6	99	0.00	0.0	2.757	0.048	0	0	0	6	
PL.5879	PL.1203	C	4ACSR	7.33Y	122.2	0.00	3.84	4.81	2	35	6	99	0.00	0.0	2.758	0.001	0	0	0	6	
PL.5880	PL.5879	C	4ACSR	7.33Y	122.1	0.02	3.85	2.46	1	18	3	99	0.00	0.0	2.902	0.144	0	0	0	4	
017361	PL.5880	C	Consumer	7.33Y	122.1	0.00	3.85	0.00	0	0	0	100	0.00	0.0	2.902	0.000	0	0	0	0	
017375	PL.5880	C	Consumer	7.33Y	122.1	0.00	3.85	0.01	0	0	0	100	0.00	0.0	2.902	0.000	0	0	1	1	
PL.24535	PL.5880	C	4ACSR	7.33Y	122.1	0.00	3.85	2.45	1	18	3	99	0.00	0.0	2.935	0.033	0	0	0	3	
017365	PL.24535	C	Consumer	7.33Y	122.1	0.00	3.85	1.09	0	8	1	99	0.00	0.0	2.935	0.000	8	1	1	1	
PL.11342	PL.24535	C	4ACSR	7.33Y	122.1	0.00	3.86	1.37	1	10	2	98	0.00	0.0	2.961	0.026	0	0	0	2	
PL.11343	PL.11342	C	4ACSR	7.33Y	122.1	0.01	3.86	1.19	1	9	1	99	0.00	0.0	3.100	0.139	0	0	0	1	
0183121	PL.11343	C	Consumer	7.33Y	122.1	0.00	3.86	1.19	0	9	1	99	0.00	0.0	3.100	0.000	9	1	1	1	
PL.1228	PL.11342	C	4ACSR	7.33Y	122.1	0.00	3.86	0.18	0	1	0	100	0.00	0.0	3.126	0.166	0	0	0	1	
017378	PL.1228	C	Consumer	7.33Y	122.1	0.00	3.86	0.18	0	1	0	100	0.00	0.0	3.126	0.000	1	0	1	1	
017383	PL.5879	C	Consumer	7.33Y	122.2	0.00	3.84	1.51	0	11	2	98	0.00	0.0	2.758	0.000	11	2	1	1	
017337	PL.5879	C	Consumer	7.33Y	122.2	0.00	3.84	0.84	0	6	1	99	0.00	0.0	2.758	0.000	6	1	1	1	
017316	PL.5879	C	Consumer	7.33Y	122.2	0.00	3.84	0.00	0	0	0	100	0.00	0.0	2.758	0.000	0	0	0	0	
PL.11338	PL.11337	A	4/0ACSR	7.38Y	123.0	0.01	2.95	81.30	17	594	83	99	0.08	0.0	2.462	0.012	0	0	0	73	
		B		7.48Y	124.7	0.00	1.28	55.85	12	415	51	99					0	0	0	50	
		C		7.33Y	122.2	0.01	3.77	80.23	17	582	90	99					0	0	0	92	
PL.202	PL.11338	A	4/0ACSR	7.38Y	123.0	0.07	3.02	81.30	17	594	83	99	0.73	0.0	2.566	0.104	0	0	0	73	
		B		7.48Y	124.7	0.04	1.32	55.85	12	415	51	99					0	0	0	50	
		C		7.33Y	122.1	0.10	3.87	80.23	17	581	90	99					0	0	0	92	
PL.18646	PL.202	A	4ACSR	7.38Y	123.0	0.00	3.02	1.51	1	11	2	98	0.00	0.0	2.570	0.005	0	0	0	2	
PD.2848	PL.18646	A	fuse6AMP	7.38Y	123.0	0.00	3.02	1.51	26	11	2	98	0.00	0.0	2.570	0.000	0	0	0	2	
PL.18647	PD.2848	A	4ACSR	7.38Y	123.0	0.00	3.02	1.51	1	11	2	98	0.00	0.0	2.613	0.043	0	0	0	2	
574901	PL.18647	A	Consumer	7.38Y	123.0	0.00	3.02	0.88	0	6	1	99	0.00	0.0	2.613	0.000	6	1	1	1	
574907	PL.18647	A	Consumer	7.38Y	123.0	0.00	3.02	0.62	0	5	1	98	0.00	0.0	2.613	0.000	5	1	1	1	
PL.21884	PL.202	C	4ACSR	7.33Y	122.1	0.00	3.87	0.33	0	2	1	89	0.00	0.0	2.573	0.008	0	0	0	1	

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

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.3493	PL.21884	C	fuse6AMP	7.33Y	122.1	0.00	3.87	0.33	6	2	1	89	0.00	0.0	2.573	0.000	0	0	0	1
PL.21885	PD.3493	C	4ACSR	7.33Y	122.1	0.00	3.87	0.33	0	2	1	89	0.00	0.0	2.621	0.048	0	0	0	1
574801	PL.21885	C	Consumer	7.33Y	122.1	0.00	3.87	0.33	0	2	1	89	0.00	0.0	2.621	0.000	2	1	1	1
PL.18644	PL.202	C	4ACSR	7.33Y	122.1	0.00	3.87	0.39	0	3	0	100	0.00	0.0	2.572	0.006	0	0	0	1
PL.18645	PL.18644	C	4ACSR	7.33Y	122.1	0.00	3.87	0.39	0	3	0	100	0.00	0.0	2.658	0.086	0	0	0	1
574802	PL.18645	C	Consumer	7.33Y	122.1	0.00	3.87	0.39	0	3	0	100	0.00	0.0	2.658	0.000	3	0	1	1
PL.11352	PL.202	A	4/0ACSR	7.38Y	122.9	0.05	3.07	79.79	17	583	81	99	0.56	0.0	2.646	0.081	0	0	0	71
		B		7.48Y	124.7	0.03	1.35	55.85	12	415	51	99					0	0	0	50
		C		7.32Y	122.1	0.07	3.94	79.52	17	576	88	99					0	0	0	90
PL.28051	PL.11352	A	4/0ACSR	7.37Y	122.9	0.04	3.11	79.79	17	583	81	99	0.41	0.0	2.709	0.063	0	0	0	71
		B		7.48Y	124.6	0.02	1.37	55.85	12	415	51	99					0	0	0	50
		C		7.32Y	122.0	0.05	4.00	75.51	16	547	83	99					0	0	0	86
OH12	PL.28051	A	1/0ACSR	7.37Y	122.9	0.03	3.14	33.42	10	243	39	99	0.09	0.0	2.757	0.048	0	0	0	40
		B		7.48Y	124.6	0.02	1.39	25.90	8	191	31	99					0	0	0	37
		C		7.32Y	122.0	0.01	4.01	15.41	5	111	18	99					0	0	0	18
OCD17	OH12	A	50L	7.37Y	122.9	0.00	3.14	33.42	67	243	39	99	0.00	0.0	2.757	0.000	0	0	0	40
		B		7.48Y	124.6	0.00	1.39	25.90	52	191	31	99					0	0	0	37
		C		7.32Y	122.0	0.00	4.01	15.41	31	111	18	99					0	0	0	18
OH16	OCD17	A	1/0ACSR	7.36Y	122.7	0.14	3.28	33.42	10	243	39	99	0.37	0.1	2.961	0.204	0	0	0	40
		B		7.47Y	124.5	0.07	1.45	25.90	8	191	31	99					0	0	0	37
		C		7.32Y	121.9	0.05	4.06	15.41	5	111	18	99					0	0	0	18
OH13	OH16	A	1/0ACSR	7.36Y	122.7	0.03	3.31	14.55	4	106	17	99	0.12	0.0	3.078	0.117	0	0	0	22
		B		7.47Y	124.5	0.06	1.51	25.90	8	191	31	99					0	0	0	37
		C		7.32Y	121.9	0.02	4.08	15.41	5	111	18	99					0	0	0	18
PL.7532	OH13	A	4ACSR	7.36Y	122.7	0.01	3.32	14.55	8	106	17	99	0.01	0.0	3.090	0.012	0	0	0	22
PL.7531	PL.7532	A	4ACSR	7.36Y	122.6	0.06	3.39	13.51	7	98	16	99	0.05	0.0	3.200	0.110	0	0	0	20
PL.33953	PL.7531	A	4ACSR	7.36Y	122.6	0.03	3.42	11.18	6	81	13	99	0.02	0.0	3.264	0.064	0	0	0	17
PL.33955	PL.33953	A	4ACSR	7.35Y	122.6	0.02	3.44	11.18	6	81	13	99	0.01	0.0	3.302	0.038	0	0	0	17
PL.33954	PL.33955	A	4ACSR	7.35Y	122.6	0.01	3.45	10.12	5	74	12	99	0.01	0.0	3.336	0.034	0	0	0	16
PL.11354	PL.33954	A	4ACSR	7.35Y	122.5	0.02	3.46	5.53	3	40	6	99	0.00	0.0	3.400	0.064	0	0	0	10
PL.11353	PL.11354	A	4ACSR	7.35Y	122.5	0.00	3.47	0.25	0	2	0	100	0.00	0.0	3.460	0.060	0	0	0	1
571706	PL.11353	A	Consumer	7.35Y	122.5	0.00	3.47	0.25	0	2	0	100	0.00	0.0	3.460	0.000	2	0	1	1
PL.40916	PL.11354	A	2ACSR	7.35Y	122.5	0.00	3.47	2.98	1	22	3	99	0.00	0.0	3.419	0.019	0	0	0	2
571805	PL.40916	A	Consumer	7.35Y	122.5	0.00	3.47	1.30	0	9	2	98	0.00	0.0	3.419	0.000	9	2	1	1
571803	PL.40916	A	Consumer	7.35Y	122.5	0.00	3.47	1.68	0	12	2	99	0.00	0.0	3.419	0.000	12	2	1	1
PL.38693	PL.11354	A	4ACSR	7.35Y	122.5	0.00	3.47	0.83	0	6	1	99	0.00	0.0	3.406	0.006	0	0	0	5
PD.7067	PL.38693	A	fuse6AMP	7.35Y	122.5	0.00	3.47	0.83	14	6	1	99	0.00	0.0	3.406	0.000	0	0	0	5
PL.38694	PD.7067	A	4ACSR	7.35Y	122.5	0.00	3.47	0.83	0	6	1	99	0.00	0.0	3.436	0.030	0	0	0	5
571704	PL.38694	A	Consumer	7.35Y	122.5	0.00	3.47	0.03	0	0	0	100	0.00	0.0	3.436	0.000	0	0	1	1
571711	PL.38694	A	Consumer	7.35Y	122.5	0.00	3.47	0.08	0	1	0	100	0.00	0.0	3.436	0.000	1	0	1	1
571705	PL.38694	A	Consumer	7.35Y	122.5	0.00	3.47	0.19	0	1	0	100	0.00	0.0	3.436	0.000	1	0	1	1
PL.3563	PL.38694	A	4ACSR	7.35Y	122.5	0.00	3.47	0.53	0	4	1	97	0.00	0.0	3.499	0.063	0	0	0	2
571712	PL.3563	A	Consumer	7.35Y	122.5	0.00	3.47	0.00	0	0	0	100	0.00	0.0	3.499	0.000	0	0	0	0
570701	PL.3563	A	Consumer	7.35Y	122.5	0.00	3.47	0.00	0	0	0	100	0.00	0.0	3.499	0.000	0	0	0	0

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

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
571713	PL.3563	A	Consumer	7.35Y	122.5	0.00	3.47	0.00	0	0	0	100	0.00	0.0	3.499	0.000	0	0	0	0
570702	PL.3563	A	Consumer	7.35Y	122.5	0.00	3.47	0.44	0	3	1	95	0.00	0.0	3.499	0.000	3	1	1	1
570703	PL.3563	A	Consumer	7.35Y	122.5	0.00	3.47	0.09	0	1	0	100	0.00	0.0	3.499	0.000	1	0	1	1
571807	PL.11354	A	Consumer	7.35Y	122.5	0.00	3.46	1.09	0	8	1	99	0.00	0.0	3.400	0.000	8	1	1	1
571806	571807	A	Consumer	7.35Y	122.5	0.00	3.46	0.00	0	0	0	100	0.00	0.0	3.400	0.000	0	0	0	0
571804	PL.11354	A	Consumer	7.35Y	122.5	0.00	3.46	0.38	0	3	0	100	0.00	0.0	3.400	0.000	3	0	1	1
570902	PL.33954	A	Consumer	7.35Y	122.6	0.00	3.45	2.05	0	15	2	99	0.00	0.0	3.336	0.000	15	2	1	1
PL.38695	PL.33954	A	4ACSR	7.35Y	122.5	0.00	3.45	2.54	1	18	3	99	0.00	0.0	3.339	0.003	0	0	0	5
PD.7068	PL.38695	A	fuse6AMP	7.35Y	122.5	0.00	3.45	2.54	43	18	3	99	0.00	0.0	3.339	0.000	0	0	0	5
PL.38698	PD.7068	A	4ACSR	7.35Y	122.5	0.00	3.45	2.54	1	18	3	99	0.00	0.0	3.342	0.003	0	0	0	5
PL.38699	PL.38698	A	4ACSR	7.35Y	122.5	0.00	3.45	2.54	1	18	3	99	0.00	0.0	3.352	0.009	0	0	0	4
PL.7534	PL.38699	A	4ACSR	7.35Y	122.5	0.01	3.46	2.45	1	18	3	99	0.00	0.0	3.445	0.093	0	0	0	3
PL.1210	PL.7534	A	4ACSR	7.35Y	122.5	0.01	3.47	2.12	1	15	2	99	0.00	0.0	3.501	0.056	0	0	0	2
017327	PL.1210	A	Consumer	7.35Y	122.5	0.00	3.47	0.98	0	7	1	99	0.00	0.0	3.501	0.000	7	1	1	1
PL.1230	PL.1210	A	4ACSR	7.35Y	122.5	0.01	3.47	1.15	1	8	1	99	0.00	0.0	3.630	0.129	0	0	0	1
017380	PL.1230	A	Consumer	7.35Y	122.5	0.00	3.47	1.15	0	8	1	99	0.00	0.0	3.630	0.000	8	1	1	1
PL.35541	PL.7534	A	2ACSR	7.35Y	122.5	0.00	3.46	0.32	0	2	0	100	0.00	0.0	3.488	0.043	0	0	0	1
0173087	PL.35541	A	Consumer	7.35Y	122.5	0.00	3.46	0.32	0	2	0	100	0.00	0.0	3.488	0.000	2	0	1	1
570801	PL.38699	A	Consumer	7.35Y	122.5	0.00	3.45	0.09	0	1	0	100	0.00	0.0	3.352	0.000	1	0	1	1
PL.38697	PL.38698	A	4ACSR	7.35Y	122.5	0.00	3.45	0.00	0	0	0	100	0.00	0.0	3.475	0.133	0	0	0	1
570901	PL.38697	A	Consumer	7.35Y	122.5	0.00	3.45	0.00	0	0	0	100	0.00	0.0	3.475	0.000	0	0	1	1
5719004	PL.33955	A	Consumer	7.35Y	122.6	0.00	3.44	1.05	0	8	1	99	0.00	0.0	3.302	0.000	8	1	1	1
571903	PL.7531	A	Consumer	7.36Y	122.6	0.00	3.39	1.02	0	7	1	99	0.00	0.0	3.200	0.000	7	1	1	1
571901	PL.7531	A	Consumer	7.36Y	122.6	0.00	3.39	1.19	0	9	1	99	0.00	0.0	3.200	0.000	9	1	1	1
571902	PL.7531	A	Consumer	7.36Y	122.6	0.00	3.39	0.12	0	1	0	100	0.00	0.0	3.200	0.000	1	0	1	1
572005	PL.7532	A	Consumer	7.36Y	122.7	0.00	3.32	0.02	0	0	0	100	0.00	0.0	3.090	0.000	0	0	1	1
572002	PL.7532	A	Consumer	7.36Y	122.7	0.00	3.32	1.02	0	7	1	99	0.00	0.0	3.090	0.000	7	1	1	1
PL.26004	OH13	B	4ACSR	7.47Y	124.5	0.04	1.54	25.90	13	191	31	99	0.06	0.0	3.108	0.030	0	0	0	37
		C		7.31Y	121.9	0.01	4.09	15.41	8	111	18	99					0	0	0	18
017335	PL.26004	B	Consumer	7.47Y	124.5	0.00	1.54	0.84	0	6	1	99	0.00	0.0	3.108	0.000	6	1	1	1
017310	PL.26004	B	Consumer	7.47Y	124.5	0.00	1.54	0.00	0	0	0	100	0.00	0.0	3.108	0.000	0	0	1	1
PL.37901	PL.26004	B	4ACSR	7.46Y	124.4	0.08	1.62	25.06	13	185	30	99	0.14	0.0	3.177	0.069	0	0	0	35
		C		7.31Y	121.9	0.03	4.12	15.41	8	111	18	99					0	0	0	18
PL.37902	PL.37901	B	4ACSR	7.46Y	124.4	0.02	1.64	25.06	13	185	30	99	0.04	0.0	3.196	0.020	0	0	0	35
		C		7.31Y	121.9	0.01	4.12	15.41	8	111	18	99					0	0	0	18
PL.5959	PL.37902	B	4ACSR	7.45Y	124.2	0.13	1.77	22.92	12	169	27	99	0.16	0.1	3.324	0.127	0	0	0	33
PL.6086	PL.5959	B	4ACSR	7.45Y	124.2	0.06	1.83	22.32	12	164	26	99	0.08	0.0	3.389	0.066	0	0	0	32
PL.77	PL.6086	B	4ACSR	7.45Y	124.1	0.03	1.86	22.32	12	164	26	99	0.03	0.0	3.417	0.027	0	0	0	32
0174039	PL.77	B	Consumer	7.45Y	124.1	0.00	1.86	0.00	0	0	0	100	0.00	0.0	3.417	0.000	0	0	0	0
0174032	PL.77	B	Consumer	7.45Y	124.1	0.00	1.86	1.41	0	10	2	98	0.00	0.0	3.417	0.000	10	2	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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.11356	PL.77	B	4ACSR	7.45Y	124.1	0.04	1.90	17.45	9	128	21	99	0.04	0.0	3.469	0.053	0	0	0	28
PL.33750	PL.11356	B	4ACSR	7.45Y	124.1	0.00	1.90	1.49	1	11	2	98	0.00	0.0	3.480	0.011	0	0	0	2
PD.4022	PL.33750	B	fuse6AMP	7.45Y	124.1	0.00	1.90	1.49	25	11	2	98	0.00	0.0	3.480	0.000	0	0	0	2
PL.33751	PD.4022	B	4ACSR	7.45Y	124.1	0.00	1.90	1.49	1	11	2	98	0.00	0.0	3.541	0.061	0	0	0	2
PL.27864	PL.33751	B	4ACSR	7.45Y	124.1	0.01	1.91	1.49	1	11	2	98	0.00	0.0	3.632	0.091	0	0	0	2
PL.11357	PL.27864	B	4ACSR	7.45Y	124.1	0.00	1.91	0.09	0	1	0	100	0.00	0.0	3.742	0.110	0	0	0	1
017416	PL.11357	B	Consumer	7.45Y	124.1	0.00	1.91	0.09	0	1	0	100	0.00	0.0	3.742	0.000	1	0	1	1
PL.1686	PL.27864	B	4ACSR	7.44Y	124.1	0.01	1.92	1.39	1	10	2	98	0.00	0.0	3.780	0.148	0	0	0	1
017417	PL.1686	B	Consumer	7.44Y	124.1	0.00	1.92	1.39	0	10	2	98	0.00	0.0	3.780	0.000	10	2	1	1
PL.11358	PL.11356	B	4ACSR	7.44Y	124.1	0.04	1.94	15.97	8	117	19	99	0.04	0.0	3.533	0.064	0	0	0	26
017412	PL.11358	B	Consumer	7.44Y	124.1	0.00	1.94	0.00	0	0	0	100	0.00	0.0	3.533	0.000	0	0	0	0
017401	PL.11358	B	Consumer	7.44Y	124.1	0.00	1.94	1.16	0	9	1	99	0.00	0.0	3.533	0.000	9	1	1	1
PL.11359	PL.11358	B	4ACSR	7.44Y	124.0	0.03	1.97	14.81	8	109	18	99	0.02	0.0	3.575	0.042	0	0	0	25
PL.11360	PL.11359	B	4ACSR	7.44Y	124.0	0.04	2.01	13.76	7	101	16	99	0.03	0.0	3.639	0.064	0	0	0	23
PL.11361	PL.11360	B	4ACSR	7.44Y	124.0	0.01	2.02	3.63	2	27	4	99	0.00	0.0	3.691	0.052	0	0	0	6
PL.10635	PL.11361	B	4ACSR	7.44Y	124.0	0.02	2.03	3.63	2	27	4	99	0.00	0.0	3.795	0.105	0	0	0	6
PL.33079	PL.10635	B	4ACSR	7.44Y	124.0	0.00	2.03	2.80	1	21	3	99	0.00	0.0	3.801	0.006	0	0	0	5
PD.3947-A	PL.33079	B	Closed	7.44Y	124.0	0.00	2.03	2.80	0	21	3	99	0.00	0.0	3.801	0.000	0	0	0	5
PD.3947-B	PD.3947-A	B	Closed	7.44Y	124.0	0.00	2.03	2.80	0	21	3	99	0.00	0.0	3.801	0.000	0	0	0	5
PL.45572	PD.3947-B	B	4ACSR	7.44Y	124.0	0.02	2.05	2.80	1	21	3	99	0.00	0.0	3.934	0.133	0	0	0	5
PL.45573	PL.45572	B	4ACSR	7.44Y	123.9	0.01	2.06	2.80	1	21	3	99	0.00	0.0	3.979	0.045	0	0	0	5
PL.31911	PL.45573	B	4ACSR	7.44Y	123.9	0.01	2.07	2.80	1	21	3	99	0.00	0.0	4.084	0.105	0	0	0	5
PL.31912	PL.31911	B	4ACSR	7.44Y	123.9	0.01	2.07	1.41	1	10	2	98	0.00	0.0	4.181	0.096	0	0	0	4
017429	PL.31912	B	Consumer	7.44Y	123.9	0.00	2.07	0.42	0	3	0	100	0.00	0.0	4.181	0.000	3	0	1	1
PL.43780	PL.31912	B	4ACSR	7.44Y	123.9	0.00	2.08	0.99	1	7	1	99	0.00	0.0	4.258	0.078	0	0	0	3
PL.43781	PL.43780	B	4ACSR	7.44Y	123.9	0.00	2.08	0.99	1	7	1	99	0.00	0.0	4.338	0.080	0	0	0	3
PL.40812	PL.43781	B	4ACSR	7.43Y	123.9	0.01	2.09	0.94	0	7	1	99	0.00	0.0	4.492	0.154	0	0	0	2
PL.26003	PL.40812	B	4ACSR	7.43Y	123.9	0.00	2.09	0.86	0	6	1	99	0.00	0.0	4.590	0.098	0	0	0	1
017425	PL.26003	B	Consumer	7.43Y	123.9	0.00	2.09	0.86	0	6	1	99	0.00	0.0	4.590	0.000	6	1	1	1
PL.1687	PL.40812	B	4ACSR	7.43Y	123.9	0.00	2.09	0.08	0	1	0	100	0.00	0.0	4.507	0.015	0	0	0	1
017428	PL.1687	B	Consumer	7.43Y	123.9	0.00	2.09	0.08	0	1	0	100	0.00	0.0	4.507	0.000	1	0	1	1
PL.40810	PL.43781	B	2ACSR	7.44Y	123.9	0.00	2.08	0.05	0	0	0	100	0.00	0.0	4.357	0.019	0	0	0	1
0174034	PL.40810	B	Consumer	7.44Y	123.9	0.00	2.08	0.05	0	0	0	100	0.00	0.0	4.357	0.000	0	0	1	1
PL.45776	PL.43780	B	2ACSR	7.44Y	123.9	0.00	2.08	0.00	0	0	0	100	0.00	0.0	4.315	0.057	0	0	0	0
PL.45777	PL.45776	B	2ACSR	7.44Y	123.9	0.00	2.08	0.00	0	0	0	100	0.00	0.0	4.372	0.057	0	0	0	0
PL.44200	PL.45777	B	2ACSR	7.44Y	123.9	0.00	2.08	0.00	0	0	0	100	0.00	0.0	4.600	0.228	0	0	0	0
0174035	PL.44200	B	Consumer	7.44Y	123.9	0.00	2.08	0.00	0	0	0	100	0.00	0.0	4.600	0.000	0	0	0	0
0174036	PL.45776	B	Consumer	7.44Y	123.9	0.00	2.08	0.00	0	0	0	100	0.00	0.0	4.315	0.000	0	0	0	0

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Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
0174040	PL.45776	B	Consumer	7.44Y	123.9	0.00	2.08	0.00	0	0	0	100	0.00	0.0	4.315	0.000	0	0	0	0
PL.31910	PL.31911	B	4ACSR	7.44Y	123.9	0.01	2.07	1.39	1	10	2	98	0.00	0.0	4.198	0.114	0	0	0	1
0174031	PL.31910	B	Consumer	7.44Y	123.9	0.00	2.07	1.39	0	10	2	98	0.00	0.0	4.198	0.000	10	2	1	1
0174038	PL.45572	B	Consumer	7.44Y	124.0	0.00	2.05	0.00	0	0	0	100	0.00	0.0	3.934	0.000	0	0	0	0
0174037	PL.10635	B	Consumer	7.44Y	124.0	0.00	2.03	0.00	0	0	0	100	0.00	0.0	3.795	0.000	0	0	0	0
PL.10636	PL.10635	B	4ACSR	7.44Y	124.0	0.00	2.03	0.84	0	6	1	99	0.00	0.0	3.820	0.025	0	0	0	1
017418	PL.10636	B	Consumer	7.44Y	124.0	0.00	2.03	0.84	0	6	1	99	0.00	0.0	3.820	0.000	6	1	1	1
017413	PL.11361	B	Consumer	7.44Y	124.0	0.00	2.02	0.00	0	0	0	100	0.00	0.0	3.691	0.000	0	0	0	0
PL.18579	PL.11360	B	4ACSR	7.44Y	124.0	0.00	2.01	10.13	5	74	12	99	0.00	0.0	3.645	0.006	0	0	0	17
PD.157-A	PL.18579	B	Closed	7.44Y	124.0	0.00	2.01	10.13	0	74	12	99	0.00	0.0	3.645	0.000	0	0	0	17
PD.157-B	PD.157-A	B	Closed	7.44Y	124.0	0.00	2.01	10.13	0	74	12	99	0.00	0.0	3.645	0.000	0	0	0	17
PL.18580	PD.157-B	B	4ACSR	7.44Y	123.9	0.04	2.05	10.13	5	74	12	99	0.02	0.0	3.744	0.100	0	0	0	17
PL.6110	PL.18580	B	4ACSR	7.44Y	123.9	0.02	2.08	9.72	5	71	11	99	0.01	0.0	3.798	0.054	0	0	0	16
PL.33754	PL.6110	B	4ACSR	7.44Y	123.9	0.00	2.08	0.71	0	5	1	98	0.00	0.0	3.810	0.012	0	0	0	1
PD.4024	PL.33754	B	fuse6AMP	7.44Y	123.9	0.00	2.08	0.71	12	5	1	98	0.00	0.0	3.810	0.000	0	0	0	1
PL.33755	PD.4024	B	4ACSR	7.44Y	123.9	0.00	2.08	0.71	0	5	1	98	0.00	0.0	3.843	0.033	0	0	0	1
017430	PL.33755	B	Consumer	7.44Y	123.9	0.00	2.08	0.71	0	5	1	98	0.00	0.0	3.843	0.000	5	1	1	1
017407	PL.6110	B	Consumer	7.44Y	123.9	0.00	2.08	0.35	0	3	0	100	0.00	0.0	3.798	0.000	3	0	1	1
017402	PL.6110	B	Consumer	7.44Y	123.9	0.00	2.08	0.40	0	3	0	100	0.00	0.0	3.798	0.000	3	0	1	1
017403	PL.6110	B	Consumer	7.44Y	123.9	0.00	2.08	0.00	0	0	0	100	0.00	0.0	3.798	0.000	0	0	0	0
PL.10637	PL.6110	B	4ACSR	7.43Y	123.9	0.03	2.10	8.27	4	61	10	99	0.01	0.0	3.872	0.075	0	0	0	13
PL.10638	PL.10637	B	4ACSR	7.43Y	123.9	0.03	2.14	6.79	4	50	8	99	0.01	0.0	3.988	0.116	0	0	0	11
PL.33756	PL.10638	B	4ACSR	7.43Y	123.9	0.00	2.14	1.97	1	14	2	99	0.00	0.0	4.004	0.015	0	0	0	2
PD.4025	PL.33756	B	fuse6AMP	7.43Y	123.9	0.00	2.14	1.97	34	14	2	99	0.00	0.0	4.004	0.000	0	0	0	2
PL.33757	PD.4025	B	4ACSR	7.43Y	123.9	0.01	2.15	1.97	1	14	2	99	0.00	0.0	4.081	0.078	0	0	0	2
PL.6113	PL.33757	B	4ACSR	7.43Y	123.9	0.00	2.15	1.97	1	14	2	99	0.00	0.0	4.081	0.000	0	0	0	2
017405	PL.6113	B	Consumer	7.43Y	123.9	0.00	2.15	0.55	0	4	1	97	0.00	0.0	4.081	0.000	4	1	1	1
017422	PL.6113	B	Consumer	7.43Y	123.9	0.00	2.15	1.42	0	10	2	98	0.00	0.0	4.081	0.000	10	2	1	1
0174033	PL.10638	B	Consumer	7.43Y	123.9	0.00	2.14	1.07	0	8	1	99	0.00	0.0	3.988	0.000	8	1	1	1
017426	PL.10638	B	Consumer	7.43Y	123.9	0.00	2.14	0.03	0	0	0	100	0.00	0.0	3.988	0.000	0	0	1	1
PL.10639	PL.10638	B	4ACSR	7.43Y	123.9	0.00	2.14	3.72	2	27	4	99	0.00	0.0	4.019	0.030	0	0	0	7
PL.25999	PL.10639	B	4ACSR	7.43Y	123.9	0.01	2.15	3.72	2	27	4	99	0.00	0.0	4.057	0.038	0	0	0	7
PL.5750	PL.25999	B	4ACSR	7.43Y	123.8	0.01	2.16	3.72	2	27	4	99	0.00	0.0	4.125	0.068	0	0	0	7
PL.5079	PL.5750	B	4ACSR	7.43Y	123.8	0.01	2.16	2.67	1	20	3	99	0.00	0.0	4.172	0.047	0	0	0	5
PL.26000	PL.5079	B	4ACSR	7.43Y	123.8	0.00	2.17	2.24	1	16	3	98	0.00	0.0	4.188	0.016	0	0	0	4
PL.26001	PL.26000	B	4ACSR	7.43Y	123.8	0.00	2.17	0.53	0	4	1	97	0.00	0.0	4.356	0.168	0	0	0	1
016401	PL.26001	B	Consumer	7.43Y	123.8	0.00	2.17	0.53	0	4	1	97	0.00	0.0	4.356	0.000	4	1	1	1
PL.33760	PL.26000	B	4ACSR	7.43Y	123.8	0.00	2.17	1.71	1	13	2	99	0.00	0.0	4.196	0.008	0	0	0	3

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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PD.4027	PL.33760	B	fuse6AMP	7.43Y	123.8	0.00	2.17	1.71	29	13	2	99	0.00	0.0	4.196	0.000	0	0	0	3	
PL.33761	PD.4027	B	4ACSR	7.43Y	123.8	0.00	2.17	1.71	1	13	2	99	0.00	0.0	4.257	0.062	0	0	0	3	
016405	PL.33761	B	Consumer	7.43Y	123.8	0.00	2.17	0.44	0	3	1	95	0.00	0.0	4.257	0.000	3	1	1	1	
0164012	PL.33761	B	Consumer	7.43Y	123.8	0.00	2.17	0.08	0	1	0	100	0.00	0.0	4.257	0.000	1	0	1	1	
016409	PL.33761	B	Consumer	7.43Y	123.8	0.00	2.17	1.19	0	9	1	99	0.00	0.0	4.257	0.000	9	1	1	1	
016410	PL.5079	B	Consumer	7.43Y	123.8	0.00	2.16	0.44	0	3	1	95	0.00	0.0	4.172	0.000	3	1	1	1	
016407	PL.5750	B	Consumer	7.43Y	123.8	0.00	2.16	1.02	0	8	1	99	0.00	0.0	4.125	0.000	8	1	1	1	
016411	PL.5750	B	Consumer	7.43Y	123.8	0.00	2.16	0.02	0	0	0	100	0.00	0.0	4.125	0.000	0	0	1	1	
PL.33758	PL.10639	B	4ACSR	7.43Y	123.9	0.00	2.14	0.00	0	0	0	100	0.00	0.0	4.027	0.008	0	0	0	0	
PD.4026	PL.33758	B	fuse6AMP	7.43Y	123.9	0.00	2.14	0.00	0	0	0	100	0.00	0.0	4.027	0.000	0	0	0	0	
PL.33759	PD.4026	B	4ACSR	7.43Y	123.9	0.00	2.14	0.00	0	0	0	100	0.00	0.0	4.080	0.052	0	0	0	0	
PL.43691	PL.10637	B	4ACSR	7.43Y	123.9	0.00	2.10	0.00	0	0	0	100	0.00	0.0	3.877	0.005	0	0	0	0	
PD.8311	PL.43691	B	fuse6AMP	7.43Y	123.9	0.00	2.10	0.00	0	0	0	100	0.00	0.0	3.877	0.000	0	0	0	0	
PL.43692	PD.8311	B	4ACSR	7.43Y	123.9	0.00	2.10	0.00	0	0	0	100	0.00	0.0	3.972	0.094	0	0	0	0	
017427	PL.10637	B	Consumer	7.43Y	123.9	0.00	2.10	0.36	0	3	0	100	0.00	0.0	3.872	0.000	3	0	1	1	
017411	PL.10637	B	Consumer	7.43Y	123.9	0.00	2.10	1.12	0	8	1	99	0.00	0.0	3.872	0.000	8	1	1	1	
017410	PL.10637	B	Consumer	7.43Y	123.9	0.00	2.10	0.00	0	0	0	100	0.00	0.0	3.872	0.000	0	0	0	0	
017424	PL.18580	B	Consumer	7.44Y	123.9	0.00	2.05	0.00	0	0	0	100	0.00	0.0	3.744	0.000	0	0	0	0	
017408	PL.18580	B	Consumer	7.44Y	123.9	0.00	2.05	0.40	0	3	0	100	0.00	0.0	3.744	0.000	3	0	1	1	
017415	PL.11359	B	Consumer	7.44Y	124.0	0.00	1.97	0.00	0	0	0	100	0.00	0.0	3.575	0.000	0	0	1	1	
PL.33752	PL.11359	B	4ACSR	7.44Y	124.0	0.00	1.97	1.05	1	8	1	99	0.00	0.0	3.589	0.014	0	0	0	1	
PD.4023	PL.33752	B	fuse6AMP	7.44Y	124.0	0.00	1.97	1.05	18	8	1	99	0.00	0.0	3.589	0.000	0	0	0	1	
PL.33753	PD.4023	B	4ACSR	7.44Y	124.0	0.00	1.97	1.05	1	8	1	99	0.00	0.0	3.636	0.047	0	0	0	1	
017423	PL.33753	B	Consumer	7.44Y	124.0	0.00	1.97	1.05	0	8	1	99	0.00	0.0	3.636	0.000	8	1	1	1	
PL.33748	PL.77	B	4ACSR	7.45Y	124.1	0.00	1.86	3.46	2	25	4	99	0.00	0.0	3.425	0.008	0	0	0	3	
PD.4021	PL.33748	B	fuse6AMP	7.45Y	124.1	0.00	1.86	3.46	59	25	4	99	0.00	0.0	3.425	0.000	0	0	0	3	
PL.33749	PD.4021	B	4ACSR	7.45Y	124.1	0.01	1.87	3.46	2	25	4	99	0.00	0.0	3.500	0.075	0	0	0	3	
PL.1641	PL.33749	B	4ACSR	7.45Y	124.1	0.00	1.87	3.17	2	23	4	99	0.00	0.0	3.511	0.011	0	0	0	2	
PL.1208	PL.1641	B	4ACSR	7.45Y	124.1	0.00	1.88	3.17	2	23	4	99	0.00	0.0	3.525	0.014	0	0	0	2	
PL.1209	PL.1208	B	4ACSR	7.45Y	124.1	0.00	1.88	1.75	1	13	2	99	0.00	0.0	3.575	0.050	0	0	0	1	
017339	PL.1209	B	Consumer	7.45Y	124.1	0.00	1.88	1.75	0	13	2	99	0.00	0.0	3.575	0.000	13	2	1	1	
017345	PL.1208	B	Consumer	7.45Y	124.1	0.00	1.88	1.42	0	10	2	98	0.00	0.0	3.525	0.000	10	2	1	1	
017414	PL.33749	B	Consumer	7.45Y	124.1	0.00	1.87	0.29	0	2	0	100	0.00	0.0	3.500	0.000	2	0	1	1	
017332	PL.5959	B	Consumer	7.45Y	124.2	0.00	1.77	0.60	0	4	1	97	0.00	0.0	3.324	0.000	4	1	1	1	
PL.33746	PL.37902	C	4ACSR	7.31Y	121.9	0.01	4.13	10.78	6	78	13	99	0.00	0.0	3.209	0.013	0	0	0	11	
C PD.4020	PL.33746	C	fuse6AMP	7.31Y	121.9	0.00	4.13	10.78	184	78	13	99	0.00	0.0	3.209	0.000	0	0	0	11	C
PL.33747	PD.4020	C	4ACSR	7.31Y	121.9	0.02	4.15	10.78	6	78	13	99	0.01	0.0	3.250	0.041	0	0	0	11	
PL.6096	PL.33747	C	4ACSR	7.31Y	121.8	0.01	4.16	9.85	5	71	11	99	0.01	0.0	3.285	0.034	0	0	0	10	

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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
017382	PL.6096	C	Consumer	7.31Y	121.8	0.00	4.16	1.39	0	10	2	98	0.00	0.0	3.285	0.000	10	2	1	1
PL.6097	PL.6096	C	4ACSR	7.31Y	121.8	0.02	4.18	8.46	4	61	10	99	0.01	0.0	3.333	0.048	0	0	0	9
PL.1205	PL.6097	C	4ACSR	7.31Y	121.8	0.00	4.18	0.00	0	0	0	100	0.00	0.0	3.353	0.020	0	0	0	0
PL.1206	PL.6097	C	4ACSR	7.31Y	121.8	0.01	4.19	5.78	3	42	7	99	0.00	0.0	3.371	0.038	0	0	0	6
017340	PL.1206	C	Consumer	7.31Y	121.8	0.00	4.19	0.00	0	0	0	100	0.00	0.0	3.371	0.000	0	0	0	0
PL.5957	PL.1206	C	4ACSR	7.31Y	121.8	0.01	4.20	5.78	3	42	7	99	0.00	0.0	3.412	0.041	0	0	0	6
PL.5958	PL.5957	C	4ACSR	7.31Y	121.8	0.01	4.21	3.51	2	25	4	99	0.00	0.0	3.462	0.050	0	0	0	4
017333	PL.5958	C	Consumer	7.31Y	121.8	0.00	4.21	1.71	0	12	2	99	0.00	0.0	3.462	0.000	12	2	1	1
017344	PL.5958	C	Consumer	7.31Y	121.8	0.00	4.21	0.99	0	7	1	99	0.00	0.0	3.462	0.000	7	1	1	1
PL.1207	PL.5958	C	4ACSR	7.31Y	121.8	0.00	4.21	0.80	0	6	1	99	0.00	0.0	3.503	0.042	0	0	0	2
017341	PL.1207	C	Consumer	7.31Y	121.8	0.00	4.21	0.04	0	0	0	100	0.00	0.0	3.503	0.000	0	0	1	1
017349	PL.1207	C	Consumer	7.31Y	121.8	0.00	4.21	0.77	0	6	1	99	0.00	0.0	3.503	0.000	6	1	1	1
017331	PL.5957	C	Consumer	7.31Y	121.8	0.00	4.20	1.07	0	8	1	99	0.00	0.0	3.412	0.000	8	1	1	1
017355	PL.5957	C	Consumer	7.31Y	121.8	0.00	4.20	1.20	0	9	1	99	0.00	0.0	3.412	0.000	9	1	1	1
PL.1198	PL.6097	C	4ACSR	7.31Y	121.8	0.01	4.19	2.68	1	19	3	99	0.00	0.0	3.395	0.062	0	0	0	3
017366	PL.1198	C	Consumer	7.31Y	121.8	0.00	4.19	0.70	0	5	1	98	0.00	0.0	3.395	0.000	5	1	1	1
017369	PL.1198	C	Consumer	7.31Y	121.8	0.00	4.19	0.86	0	6	1	99	0.00	0.0	3.395	0.000	6	1	1	1
017370	PL.1198	C	Consumer	7.31Y	121.8	0.00	4.19	1.12	0	8	1	99	0.00	0.0	3.395	0.000	8	1	1	1
017374	PL.33747	C	Consumer	7.31Y	121.9	0.00	4.15	0.94	0	7	1	99	0.00	0.0	3.250	0.000	7	1	1	1
0173085	PL.37902	B	Consumer	7.46Y	124.4	0.00	1.64	1.35	0	10	2	98	0.00	0.0	3.196	0.000	10	2	1	1
017354	PL.37902	B	Consumer	7.46Y	124.4	0.00	1.64	0.00	0	0	0	100	0.00	0.0	3.196	0.000	0	0	0	0
017373	PL.37902	B	Consumer	7.46Y	124.4	0.00	1.64	0.79	0	6	1	99	0.00	0.0	3.196	0.000	6	1	1	1
PL.33744	PL.37902	C	4ACSR	7.31Y	121.9	0.00	4.13	4.62	2	33	5	99	0.00	0.0	3.213	0.017	0	0	0	7
PD.4019	PL.33744	C	fuse6AMP	7.31Y	121.9	0.00	4.13	4.62	79	33	5	99	0.00	0.0	3.213	0.000	0	0	0	7
PL.33745	PD.4019	C	4ACSR	7.31Y	121.9	0.01	4.13	4.62	2	33	5	99	0.00	0.0	3.243	0.030	0	0	0	7
PL.1227	PL.33745	C	4ACSR	7.31Y	121.9	0.01	4.14	2.47	1	18	3	99	0.00	0.0	3.313	0.070	0	0	0	3
PL.33992	PL.1227	C	2ACSR	7.31Y	121.9	0.01	4.15	1.31	1	9	2	98	0.00	0.0	3.469	0.156	0	0	0	2
0163087	PL.33992	C	Consumer	7.31Y	121.9	0.00	4.15	1.31	0	9	2	98	0.00	0.0	3.469	0.000	9	2	1	1
PL.41282	PL.33992	C	2ACSR	7.31Y	121.9	0.00	4.15	0.00	0	0	0	100	0.00	0.0	3.577	0.108	0	0	0	1
0163088	PL.41282	C	Consumer	7.31Y	121.9	0.00	4.15	0.00	0	0	0	100	0.00	0.0	3.577	0.000	0	0	1	1
017376	PL.1227	C	Consumer	7.31Y	121.9	0.00	4.14	1.16	0	8	1	99	0.00	0.0	3.313	0.000	8	1	1	1
017350	PL.33745	C	Consumer	7.31Y	121.9	0.00	4.13	0.00	0	0	0	100	0.00	0.0	3.243	0.000	0	0	0	0
017306	PL.33745	C	Consumer	7.31Y	121.9	0.00	4.13	1.32	0	10	2	98	0.00	0.0	3.243	0.000	10	2	1	1
017307	PL.33745	C	Consumer	7.31Y	121.9	0.00	4.13	0.45	0	3	1	95	0.00	0.0	3.243	0.000	3	1	1	1
017372	PL.33745	C	Consumer	7.31Y	121.9	0.00	4.13	0.35	0	2	0	100	0.00	0.0	3.243	0.000	2	0	1	1
017356	PL.33745	C	Consumer	7.31Y	121.9	0.00	4.13	0.04	0	0	0	100	0.00	0.0	3.243	0.000	0	0	1	1
PL.3568	OH16	A	4ACSR	7.36Y	122.7	0.04	3.32	18.21	9	133	21	99	0.04	0.0	3.009	0.048	0	0	0	17
PL.3567	PL.3568	A	4ACSR	7.36Y	122.7	0.02	3.34	17.71	9	129	20	99	0.02	0.0	3.041	0.032	0	0	0	16

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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
	PL.7536	PL.3567	A	4ACSR	7.36Y	122.6	0.02	3.37	17.71	9	129	20	99	0.02	0.0	3.073	0.032	0	0	0	16	
	PL.38684	PL.7536	A	4ACSR	7.36Y	122.6	0.03	3.39	16.15	8	117	18	99	0.02	0.0	3.113	0.040	0	0	0	15	
	PL.38683	PL.38684	A	4ACSR	7.36Y	122.6	0.00	3.40	15.73	8	114	18	99	0.00	0.0	3.115	0.002	0	0	0	14	
C	PD.7062	PL.38683	A	fuse6AMP	7.36Y	122.6	0.00	3.40	15.73	269	114	18	99	0.00	0.0	3.115	0.000	0	0	0	14	C
	PL.38680	PD.7062	A	4ACSR	7.36Y	122.6	0.00	3.40	15.73	8	114	18	99	0.00	0.0	3.117	0.002	0	0	0	14	
	PL.7527	PL.38680	A	4ACSR	7.36Y	122.6	0.00	3.40	0.90	0	7	1	99	0.00	0.0	3.182	0.066	0	0	0	1	
	573904	PL.7527	A	Consumer	7.36Y	122.6	0.00	3.40	0.90	0	7	1	99	0.00	0.0	3.182	0.000	7	1	1	1	
	573901	PL.38680	A	Consumer	7.36Y	122.6	0.00	3.40	0.00	0	0	0	100	0.00	0.0	3.117	0.000	0	0	0	0	
	PL.7525	PL.38680	A	4ACSR	7.35Y	122.6	0.03	3.43	14.83	8	108	17	99	0.03	0.0	3.166	0.049	0	0	0	13	
	PL.7526	PL.7525	A	4ACSR	7.35Y	122.5	0.09	3.51	11.87	6	86	13	99	0.06	0.1	3.333	0.168	0	0	0	12	
	017367	PL.7526	A	Consumer	7.35Y	122.5	0.00	3.51	0.45	0	3	1	95	0.00	0.0	3.333	0.000	3	1	1	1	
	017322	PL.7526	A	Consumer	7.35Y	122.5	0.00	3.51	1.27	0	9	1	99	0.00	0.0	3.333	0.000	9	1	1	1	
	PL.5954	PL.7526	A	4ACSR	7.35Y	122.5	0.02	3.54	10.16	5	74	11	99	0.01	0.0	3.383	0.050	0	0	0	10	
	PL.11345	PL.5954	A	4ACSR	7.35Y	122.5	0.01	3.55	8.98	5	65	10	99	0.01	0.0	3.415	0.032	0	0	0	9	
	PL.11344	PL.11345	A	4ACSR	7.35Y	122.4	0.03	3.58	8.46	4	61	9	99	0.02	0.0	3.503	0.088	0	0	0	8	
	PL.5953	PL.11344	A	4ACSR	7.34Y	122.4	0.02	3.60	8.36	4	61	9	99	0.01	0.0	3.567	0.063	0	0	0	7	
	017325	PL.5953	A	Consumer	7.34Y	122.4	0.00	3.60	0.89	0	6	1	99	0.00	0.0	3.567	0.000	6	1	1	1	
	PL.5882	PL.5953	A	4ACSR	7.34Y	122.4	0.01	3.62	5.24	3	38	5	99	0.00	0.0	3.626	0.059	0	0	0	5	
	PL.11346	PL.5882	A	4ACSR	7.34Y	122.4	0.02	3.63	5.24	3	38	5	99	0.00	0.0	3.697	0.071	0	0	0	5	
	PL.11348	PL.11346	A	4ACSR	7.34Y	122.4	0.01	3.65	4.21	2	31	4	99	0.00	0.0	3.774	0.076	0	0	0	4	
	PL.11349	PL.11348	A	4ACSR	7.34Y	122.3	0.01	3.65	3.32	2	24	3	99	0.00	0.0	3.814	0.040	0	0	0	3	
	PD.1899	PL.11349	A	fuse6AMP	7.34Y	122.3	0.00	3.65	3.32	57	24	3	99	0.00	0.0	3.814	0.000	0	0	0	3	
	PL.1632	PD.1899	A	1/0EPRJCN	7.34Y	122.3	0.00	3.65	3.32	2	24	3	99	0.00	0.0	3.836	0.022	0	0	0	3	
	PL.11350	PL.1632	A	1/0EPRJCN	7.34Y	122.3	0.00	3.66	3.32	2	24	3	99	0.00	0.0	3.867	0.031	0	0	0	3	
	PL.1680	PL.11350	A	1/0EPRJCN	7.34Y	122.3	0.00	3.66	0.27	0	2	0	100	0.00	0.0	3.915	0.048	0	0	0	1	
	017421	PL.1680	A	Consumer	7.34Y	122.3	0.00	3.66	0.28	0	2	0	100	0.00	0.0	3.915	0.000	2	0	1	1	
	PL.11351	PL.11350	A	1/0EPRJCN	7.34Y	122.3	0.00	3.66	0.91	0	7	1	99	0.00	0.0	3.908	0.041	0	0	0	1	
	017420	PL.11351	A	Consumer	7.34Y	122.3	0.00	3.66	0.92	0	7	1	99	0.00	0.0	3.908	0.000	7	1	1	1	
	PL.23753	PL.11350	A	1/0EPRJCN	7.34Y	122.3	0.00	3.66	2.14	1	16	2	99	0.00	0.0	3.908	0.041	0	0	0	1	
	017419	PL.23753	A	Consumer	7.34Y	122.3	0.00	3.66	2.14	0	16	2	99	0.00	0.0	3.908	0.000	16	2	1	1	
	PL.38691	PL.11348	A	4ACSR	7.34Y	122.4	0.00	3.65	0.89	0	6	1	99	0.00	0.0	3.778	0.005	0	0	0	1	
	PD.7066	PL.38691	A	fuse6AMP	7.34Y	122.4	0.00	3.65	0.89	15	6	1	99	0.00	0.0	3.778	0.000	0	0	0	1	
	PL.38692	PD.7066	A	4ACSR	7.34Y	122.4	0.00	3.65	0.89	0	6	1	99	0.00	0.0	3.861	0.083	0	0	0	1	
	017363	PL.38692	A	Consumer	7.34Y	122.4	0.00	3.65	0.89	0	6	1	99	0.00	0.0	3.861	0.000	6	1	1	1	
	PL.38689	PL.11346	A	4ACSR	7.34Y	122.4	0.00	3.63	1.03	1	7	1	99	0.00	0.0	3.701	0.004	0	0	0	1	
	PD.7065	PL.38689	A	fuse6AMP	7.34Y	122.4	0.00	3.63	1.03	18	7	1	99	0.00	0.0	3.701	0.000	0	0	0	1	
	PL.38690	PD.7065	A	4ACSR	7.34Y	122.4	0.00	3.63	1.03	1	7	1	99	0.00	0.0	3.735	0.033	0	0	0	1	
	017381	PL.38690	A	Consumer	7.34Y	122.4	0.00	3.63	1.03	0	7	1	99	0.00	0.0	3.735	0.000	7	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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
017357	PL.38690	A	Consumer	7.34Y	122.4	0.00	3.63	0.00	0	0	0	100	0.00	0.0	3.735	0.000	0	0	0	0
017358	PL.38690	A	Consumer	7.34Y	122.4	0.00	3.63	0.00	0	0	0	100	0.00	0.0	3.735	0.000	0	0	0	0
PL.38687	PL.5953	A	4ACSR	7.34Y	122.4	0.00	3.60	2.23	1	16	3	98	0.00	0.0	3.574	0.008	0	0	0	1
PD.7064	PL.38687	A	fuse6AMP	7.34Y	122.4	0.00	3.60	2.23	38	16	3	98	0.00	0.0	3.574	0.000	0	0	0	1
PL.38688	PD.7064	A	4ACSR	7.34Y	122.4	0.00	3.61	2.23	1	16	3	98	0.00	0.0	3.624	0.049	0	0	0	1
017364	PL.38688	A	Consumer	7.34Y	122.4	0.00	3.61	2.23	0	16	3	98	0.00	0.0	3.624	0.000	16	3	1	1
017346	PL.11344	A	Consumer	7.35Y	122.4	0.00	3.58	0.10	0	1	0	100	0.00	0.0	3.503	0.000	1	0	1	1
017320	PL.11344	A	Consumer	7.35Y	122.4	0.00	3.58	0.00	0	0	0	100	0.00	0.0	3.503	0.000	0	0	0	0
PL.38685	PL.11345	A	4ACSR	7.35Y	122.5	0.00	3.55	0.52	0	4	1	97	0.00	0.0	3.418	0.003	0	0	0	1
PD.7063	PL.38685	A	fuse6AMP	7.35Y	122.5	0.00	3.55	0.52	9	4	1	97	0.00	0.0	3.418	0.000	0	0	0	1
PL.38686	PD.7063	A	4ACSR	7.35Y	122.5	0.00	3.55	0.52	0	4	1	97	0.00	0.0	3.439	0.021	0	0	0	1
017362	PL.38686	A	Consumer	7.35Y	122.5	0.00	3.55	0.00	0	0	0	100	0.00	0.0	3.439	0.000	0	0	0	0
017338	PL.38686	A	Consumer	7.35Y	122.5	0.00	3.55	0.52	0	4	1	97	0.00	0.0	3.439	0.000	4	1	1	1
017305	PL.5954	A	Consumer	7.35Y	122.5	0.00	3.54	1.18	0	9	1	99	0.00	0.0	3.383	0.000	9	1	1	1
573903	PL.7525	A	Consumer	7.35Y	122.6	0.00	3.43	2.96	0	22	3	99	0.00	0.0	3.166	0.000	22	3	1	1
PL.38682	PL.38684	A	4ACSR	7.36Y	122.6	0.00	3.40	0.42	0	3	0	100	0.00	0.0	3.158	0.046	0	0	0	1
572904	PL.38682	A	Consumer	7.36Y	122.6	0.00	3.40	0.42	0	3	0	100	0.00	0.0	3.158	0.000	3	0	1	1
572906	PL.7536	A	Consumer	7.36Y	122.6	0.00	3.37	1.56	0	11	2	98	0.00	0.0	3.073	0.000	11	2	1	1
572902	PL.3567	A	Consumer	7.36Y	122.7	0.00	3.34	0.00	0	0	0	100	0.00	0.0	3.041	0.000	0	0	0	0
572903	PL.3568	A	Consumer	7.36Y	122.7	0.00	3.32	0.00	0	0	0	100	0.00	0.0	3.009	0.000	0	0	0	0
572901	PL.3568	A	Consumer	7.36Y	122.7	0.00	3.32	0.50	0	4	1	97	0.00	0.0	3.009	0.000	4	1	1	1
572905	PL.3568	A	Consumer	7.36Y	122.7	0.00	3.32	0.00	0	0	0	100	0.00	0.0	3.009	0.000	0	0	0	0
572004	OH16	A	Consumer	7.36Y	122.7	0.00	3.28	0.65	0	5	1	98	0.00	0.0	2.961	0.000	5	1	1	1
PL.28052	PL.28051	A	4/0ACSR	7.37Y	122.9	0.01	3.13	47.77	10	339	94	96	0.13	0.0	2.750	0.041	0	0	0	31
		B		7.48Y	124.6	0.01	1.38	31.46	7	223	74	95					0	0	0	13
		C		7.32Y	122.0	0.03	4.03	61.53	13	435	116	97					0	0	0	68
PL.16677	PL.28052	C	4ACSR	7.32Y	122.0	0.00	4.03	6.72	3	49	8	99	0.00	0.0	2.755	0.005	0	0	0	6
C PD.2845	PL.16677	C	fuse6AMP	7.32Y	122.0	0.00	4.03	6.72	115	49	8	99	0.00	0.0	2.755	0.000	0	0	0	6 C
PL.16678	PD.2845	C	4ACSR	7.31Y	121.9	0.06	4.09	6.72	3	49	8	99	0.02	0.0	2.945	0.190	0	0	0	6
PL.6093	PL.16678	C	4ACSR	7.31Y	121.9	0.05	4.14	6.72	3	49	8	99	0.02	0.0	3.117	0.172	0	0	0	6
017379	PL.6093	C	Consumer	7.31Y	121.9	0.00	4.14	0.00	0	0	0	100	0.00	0.0	3.117	0.000	0	0	0	0
PL.26097	PL.6093	C	4ACSR	7.31Y	121.8	0.04	4.18	6.72	3	49	8	99	0.02	0.0	3.267	0.150	0	0	0	6
PL.26098	PL.26097	C	4ACSR	7.31Y	121.8	0.03	4.21	4.77	2	34	6	98	0.01	0.0	3.399	0.132	0	0	0	4
017204	PL.26098	C	Consumer	7.31Y	121.8	0.00	4.21	0.77	0	6	1	99	0.00	0.0	3.399	0.000	6	1	1	1
017216	PL.26098	C	Consumer	7.31Y	121.8	0.00	4.21	1.82	0	13	2	99	0.00	0.0	3.399	0.000	13	2	1	1
PL.1629	PL.26098	C	4ACSR	7.31Y	121.8	0.00	4.21	1.52	1	11	2	98	0.00	0.0	3.465	0.066	0	0	0	1
017214	PL.1629	C	Consumer	7.31Y	121.8	0.00	4.21	1.52	0	11	2	98	0.00	0.0	3.465	0.000	11	2	1	1
PL.26099	PL.26098	C	4ACSR	7.31Y	121.8	0.00	4.21	0.66	0	5	1	98	0.00	0.0	3.468	0.070	0	0	0	1
PL.6089	PL.26099	C	4ACSR	7.31Y	121.8	0.00	4.21	0.00	0	0	0	100	0.00	0.0	3.862	0.393	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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
017211	PL.6089	C	Consumer	7.31Y	121.8	0.00	4.21	0.00	0	0	0	100	0.00	0.0	3.862	0.000	0	0	0	0
017217	PL.26099	C	Consumer	7.31Y	121.8	0.00	4.21	0.66	0	5	1	98	0.00	0.0	3.468	0.000	5	1	1	1
PL.5955	PL.26097	C	4ACSR	7.31Y	121.8	0.00	4.18	1.95	1	14	2	99	0.00	0.0	3.309	0.042	0	0	0	2
PL.5956	PL.5955	C	4ACSR	7.31Y	121.8	0.00	4.19	1.95	1	14	2	99	0.00	0.0	3.359	0.051	0	0	0	2
017215	PL.5956	C	Consumer	7.31Y	121.8	0.00	4.19	0.00	0	0	0	100	0.00	0.0	3.359	0.000	0	0	0	0
PL.1631	PL.5956	C	4ACSR	7.31Y	121.8	0.00	4.19	0.77	0	6	1	99	0.00	0.0	3.437	0.078	0	0	0	1
017212	PL.1631	C	Consumer	7.31Y	121.8	0.00	4.19	0.77	0	6	1	99	0.00	0.0	3.437	0.000	6	1	1	1
PL.1630	PL.5956	C	4ACSR	7.31Y	121.8	0.00	4.19	1.19	1	9	1	99	0.00	0.0	3.406	0.047	0	0	0	1
017213	PL.1630	C	Consumer	7.31Y	121.8	0.00	4.19	1.19	0	9	1	99	0.00	0.0	3.406	0.000	9	1	1	1
017203	PL.5955	C	Consumer	7.31Y	121.8	0.00	4.18	0.00	0	0	0	100	0.00	0.0	3.309	0.000	0	0	0	0
572701	PL.28052	B	Consumer	7.48Y	124.6	0.00	1.38	0.00	0	0	0	100	0.00	0.0	2.750	0.000	0	0	0	0
PL.16679	PL.28052	A	4ACSR	7.37Y	122.9	0.00	3.13	2.60	1	19	3	99	0.00	0.0	2.755	0.006	0	0	0	4
PD.2844	PL.16679	A	fuse6AMP	7.37Y	122.9	0.00	3.13	2.60	44	19	3	99	0.00	0.0	2.755	0.000	0	0	0	4
PL.16680	PD.2844	A	4ACSR	7.37Y	122.9	0.01	3.13	2.60	1	19	3	99	0.00	0.0	2.817	0.061	0	0	0	4
PL.7530	PL.16680	A	4ACSR	7.37Y	122.9	0.00	3.13	0.28	0	2	0	100	0.00	0.0	2.855	0.038	0	0	0	1
572803	PL.7530	A	Consumer	7.37Y	122.9	0.00	3.13	0.28	0	2	0	100	0.00	0.0	2.855	0.000	2	0	1	1
572806	PL.7530	A	Consumer	7.37Y	122.9	0.00	3.13	0.00	0	0	0	100	0.00	0.0	2.855	0.000	0	0	0	0
572804	PL.16680	A	Consumer	7.37Y	122.9	0.00	3.13	0.57	0	4	1	97	0.00	0.0	2.817	0.000	4	1	1	1
572805	PL.16680	A	Consumer	7.37Y	122.9	0.00	3.13	0.00	0	0	0	100	0.00	0.0	2.817	0.000	0	0	0	0
572802	PL.16680	A	Consumer	7.37Y	122.9	0.00	3.13	1.17	0	9	1	99	0.00	0.0	2.817	0.000	9	1	1	1
572801	PL.16680	A	Consumer	7.37Y	122.9	0.00	3.13	0.57	0	4	1	97	0.00	0.0	2.817	0.000	4	1	1	1
PL.203	PL.28052	A	4/0ACSR	7.37Y	122.8	0.03	3.15	45.19	10	321	91	96	0.21	0.0	2.830	0.080	0	0	0	27
		B		7.48Y	124.6	0.02	1.41	31.46	7	223	74	95					0	0	0	13
		C		7.31Y	121.9	0.06	4.09	54.85	12	387	108	96					0	0	0	62
PL.7528	PL.203	A	4/0ACSR	7.37Y	122.8	0.00	3.15	45.19	10	321	91	96	0.02	0.0	2.836	0.006	0	0	0	27
		B		7.48Y	124.6	0.00	1.41	31.46	7	223	74	95					0	0	0	13
		C		7.31Y	121.9	0.00	4.09	54.85	12	386	108	96					0	0	0	62
571714	PL.7528	B	Consumer	7.48Y	124.6	0.00	1.41	0.00	0	0	0	100	0.00	0.0	2.836	0.000	0	0	0	0
571709	PL.7528	B	Consumer	7.48Y	124.6	0.00	1.41	0.01	0	0	0	100	0.00	0.0	2.836	0.000	0	0	1	1
571710	PL.7528	B	Consumer	7.48Y	124.6	0.00	1.41	0.36	0	3	0	100	0.00	0.0	2.836	0.000	3	0	1	1
PL.26007	PL.7528	A	4/0ACSR	7.37Y	122.8	0.02	3.18	45.19	10	321	91	96	0.17	0.0	2.898	0.063	0	0	0	27
		B		7.47Y	124.6	0.02	1.43	31.10	7	221	73	95					0	0	0	11
		C		7.31Y	121.9	0.05	4.14	54.85	12	386	108	96					0	0	0	62
PL.26008	PL.26007	A	4/0ACSR	7.37Y	122.8	0.03	3.20	45.19	10	320	91	96	0.19	0.0	2.974	0.075	0	0	0	27
		B		7.47Y	124.5	0.02	1.45	31.10	7	221	73	95					0	0	0	11
		C		7.31Y	121.8	0.05	4.19	53.42	11	376	106	96					0	0	0	58
PL.17934	PL.26008	A	4/0ACSR	7.37Y	122.8	0.00	3.21	45.19	10	320	91	96	0.02	0.0	2.980	0.007	0	0	0	27
		B		7.47Y	124.5	0.00	1.45	31.00	7	220	73	95					0	0	0	10
		C		7.31Y	121.8	0.00	4.20	53.42	11	376	106	96					0	0	0	58
PD.3723	PL.17934	A	VWVE	7.37Y	122.8	0.00	3.21	45.19	0	320	91	96	0.00	0.0	2.980	0.000	0	0	0	27
		B		7.47Y	124.5	0.00	1.45	31.00	0	220	73	95					0	0	0	10
		C		7.31Y	121.8	0.00	4.20	53.42	0	376	106	96					0	0	0	58
PL.17935	PD.3723	A	4/0ACSR	7.37Y	122.8	0.01	3.22	45.19	10	320	91	96	0.07	0.0	3.009	0.029	0	0	0	27
		B		7.47Y	124.5	0.01	1.46	31.00	7	220	73	95					0	0	0	10
		C		7.31Y	121.8	0.02	4.22	53.42	11	376	106	96					0	0	0	58

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.10640	PL.17935	A	4/0ACSR	7.37Y	122.8	0.02	3.24	45.19	10	320	90	96	0.16	0.0	3.071	0.062	0	0	0	27
		B		7.47Y	124.5	0.02	1.48	31.00	7	220	73	95					0	0	0	10
		C		7.30Y	121.7	0.04	4.26	53.42	11	376	106	96					0	0	0	58
PL.10641	PL.10640	A	4/0ACSR	7.36Y	122.7	0.01	3.25	45.19	10	320	90	96	0.10	0.0	3.109	0.038	0	0	0	27
		B		7.47Y	124.5	0.01	1.49	31.00	7	220	73	95					0	0	0	10
		C		7.30Y	121.7	0.03	4.29	53.35	11	375	105	96					0	0	0	57
PL.10642	PL.10641	A	4/0ACSR	7.36Y	122.7	0.02	3.27	45.19	10	320	90	96	0.14	0.0	3.164	0.056	0	0	0	27
		B		7.47Y	124.5	0.02	1.51	31.00	7	220	73	95					0	0	0	10
		C		7.30Y	121.7	0.04	4.33	53.35	11	375	105	96					0	0	0	57
PL.18788	PL.10642	C	4ACSR	7.30Y	121.7	0.00	4.33	6.60	3	48	8	99	0.00	0.0	3.178	0.013	0	0	0	12
C PD.1793	PL.18788	C	fuse6AMP	7.30Y	121.7	0.00	4.33	6.60	113	48	8	99	0.00	0.0	3.178	0.000	0	0	0	12 C
PL.18789	PD.1793	C	4ACSR	7.30Y	121.6	0.02	4.35	6.60	3	48	8	99	0.01	0.0	3.245	0.068	0	0	0	12
PL.1474	PL.18789	C	4ACSR	7.30Y	121.6	0.01	4.36	5.65	3	41	7	99	0.00	0.0	3.278	0.032	0	0	0	8
016309	PL.1474	C	Consumer	7.30Y	121.6	0.00	4.36	0.62	0	4	1	97	0.00	0.0	3.278	0.000	4	1	1	1
016369	PL.1474	C	Consumer	7.30Y	121.6	0.00	4.36	0.50	0	4	1	97	0.00	0.0	3.278	0.000	4	1	1	1
PL.1472	PL.1474	C	4ACSR	7.30Y	121.6	0.00	4.36	0.37	0	3	0	100	0.00	0.0	3.402	0.124	0	0	0	1
016370	PL.1472	C	Consumer	7.30Y	121.6	0.00	4.36	0.37	0	3	0	100	0.00	0.0	3.402	0.000	3	0	1	1
PL.1473	PL.1474	C	4ACSR	7.30Y	121.6	0.01	4.37	4.15	2	30	5	99	0.00	0.0	3.346	0.069	0	0	0	5
016318	PL.1473	C	Consumer	7.30Y	121.6	0.00	4.37	0.92	0	7	1	99	0.00	0.0	3.346	0.000	7	1	1	1
016384	PL.1473	C	Consumer	7.30Y	121.6	0.00	4.37	0.64	0	5	1	98	0.00	0.0	3.346	0.000	5	1	1	1
016368	PL.1473	C	Consumer	7.30Y	121.6	0.00	4.37	0.20	0	1	0	100	0.00	0.0	3.346	0.000	1	0	1	1
PL.1477	PL.1473	C	4ACSR	7.30Y	121.6	0.00	4.37	0.01	0	0	0	100	0.00	0.0	3.378	0.031	0	0	0	1
016373	PL.1477	C	Consumer	7.30Y	121.6	0.00	4.37	0.01	0	0	0	100	0.00	0.0	3.378	0.000	0	0	1	1
PL.32794	PL.1473	C	4ACSR	7.30Y	121.6	0.00	4.37	2.39	1	17	3	98	0.00	0.0	3.376	0.029	0	0	0	1
016386	PL.32794	C	Consumer	7.30Y	121.6	0.00	4.37	2.39	0	17	3	98	0.00	0.0	3.376	0.000	17	3	1	1
016310	PL.18789	C	Consumer	7.30Y	121.6	0.00	4.35	0.02	0	0	0	100	0.00	0.0	3.245	0.000	0	0	1	1
SRL.5263	PL.18789	C	Consumer	7.30Y	121.6	0.00	4.35	0.00	0	0	0	100	0.00	0.0	3.245	0.000	0	0	0	0
016361	PL.18789	C	Consumer	7.30Y	121.6	0.00	4.35	0.17	0	1	1	71	0.00	0.0	3.245	0.000	1	1	1	1
016349	PL.18789	C	Consumer	7.30Y	121.6	0.00	4.35	0.41	0	3	0	100	0.00	0.0	3.245	0.000	3	0	1	1
PL.45825	PL.18789	C	4ACSR	7.30Y	121.6	0.00	4.35	0.36	0	3	0	100	0.00	0.0	3.262	0.016	0	0	0	1
PL.45826	PL.45825	C	4ACSR	7.30Y	121.6	0.00	4.35	0.36	0	3	0	100	0.00	0.0	3.273	0.011	0	0	0	1
PL.6087	PL.45826	C	4ACSR	7.30Y	121.6	0.00	4.35	0.36	0	3	0	100	0.00	0.0	3.278	0.005	0	0	0	1
017302	PL.6087	C	Consumer	7.30Y	121.6	0.00	4.35	0.36	0	3	0	100	0.00	0.0	3.278	0.000	3	0	1	1
PL.6088	PL.6087	C	4ACSR	7.30Y	121.6	0.00	4.35	0.00	0	0	0	100	0.00	0.0	3.305	0.027	0	0	0	0
PL.1212	PL.6088	C	4ACSR	7.30Y	121.6	0.00	4.35	0.00	0	0	0	100	0.00	0.0	3.398	0.093	0	0	0	0
0163089	PL.45825	C	Consumer	7.30Y	121.6	0.00	4.35	0.00	0	0	0	100	0.00	0.0	3.262	0.000	0	0	0	0
PL.10643	PL.10642	A	4/0ACSR	7.36Y	122.7	0.02	3.29	45.19	10	320	90	96	0.12	0.0	3.219	0.054	0	0	0	27
		B		7.47Y	124.5	0.01	1.52	31.00	7	220	73	95					0	0	0	10
		C		7.30Y	121.6	0.03	4.36	46.79	10	327	97	96					0	0	0	45
PL.16694	PL.10643	C	4ACSR	7.30Y	121.6	0.00	4.36	0.00	0	0	0	100	0.00	0.0	3.223	0.004	0	0	0	0
PD.1797	PL.16694	C	fuse6AMP	7.30Y	121.6	0.00	4.36	0.00	0	0	0	100	0.00	0.0	3.223	0.000	0	0	0	0
PL.16695	PD.1797	C	4ACSR	7.30Y	121.6	0.00	4.36	0.00	0	0	0	100	0.00	0.0	3.275	0.052	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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.10644	PL.10643	A	4/0ACSR	7.36Y	122.6	0.06	3.36	45.19	10	320	90	96	0.35	0.0	3.374	0.155	0	0	0	27
		B		7.47Y	124.4	0.04	1.57	31.00	7	220	73	95					0	0	0	10
		C		7.29Y	121.5	0.10	4.46	46.79	10	327	97	96					0	0	0	45
016343	PL.10644	B	Consumer	7.47Y	124.4	0.00	1.57	0.41	0	3	0	100	0.00	0.0	3.374	0.000	3	0	1	1
016348	PL.10644	B	Consumer	7.47Y	124.4	0.00	1.57	0.66	0	5	1	98	0.00	0.0	3.374	0.000	5	1	1	1
016344	PL.10644	B	Consumer	7.47Y	124.4	0.00	1.57	1.44	0	11	2	98	0.00	0.0	3.374	0.000	11	2	1	1
016347	PL.10644	B	Consumer	7.47Y	124.4	0.00	1.57	0.54	0	4	1	97	0.00	0.0	3.374	0.000	4	1	1	1
016346	PL.10644	B	Consumer	7.47Y	124.4	0.00	1.57	0.92	0	7	1	99	0.00	0.0	3.374	0.000	7	1	1	1
016345	PL.10644	B	Consumer	7.47Y	124.4	0.00	1.57	1.33	0	10	2	98	0.00	0.0	3.374	0.000	10	2	1	1
016383	PL.10644	B	Consumer	7.47Y	124.4	0.00	1.57	0.03	0	0	0	100	0.00	0.0	3.374	0.000	0	0	1	1
PL.16698	PL.10644	A	4ACSR	7.36Y	122.6	0.00	3.36	9.14	5	66	11	99	0.00	0.0	3.381	0.007	0	0	0	9
C PD.1792	PL.16698	A	fuse6AMP	7.36Y	122.6	0.00	3.36	9.14	156	66	11	99	0.00	0.0	3.381	0.000	0	0	0	9 C
PL.16699	PD.1792	A	4ACSR	7.35Y	122.6	0.09	3.45	9.14	5	66	11	99	0.04	0.1	3.606	0.225	0	0	0	9
PL.11688	PL.16699	A	4ACSR	7.35Y	122.5	0.03	3.48	7.48	4	54	9	99	0.01	0.0	3.711	0.105	0	0	0	7
016356	PL.11688	A	Consumer	7.35Y	122.5	0.00	3.48	0.03	0	0	0	100	0.00	0.0	3.711	0.000	0	0	1	1
016320	PL.11688	A	Consumer	7.35Y	122.5	0.00	3.48	1.64	0	12	2	99	0.00	0.0	3.711	0.000	12	2	1	1
016328	PL.11688	A	Consumer	7.35Y	122.5	0.00	3.48	0.41	0	3	0	100	0.00	0.0	3.711	0.000	3	0	1	1
PL.11689	PL.11688	A	4ACSR	7.35Y	122.5	0.02	3.50	5.41	3	39	6	99	0.01	0.0	3.785	0.074	0	0	0	4
PL.11690	PL.11689	A	4ACSR	7.35Y	122.5	0.01	3.51	4.71	2	34	5	99	0.00	0.0	3.829	0.044	0	0	0	3
PL.1522	PL.11690	A	4ACSR	7.35Y	122.5	0.00	3.51	1.45	1	11	2	98	0.00	0.0	3.874	0.045	0	0	0	1
016385	PL.1522	A	Consumer	7.35Y	122.5	0.00	3.51	1.45	0	11	2	98	0.00	0.0	3.874	0.000	11	2	1	1
016351	PL.11690	A	Consumer	7.35Y	122.5	0.00	3.51	1.76	0	13	2	99	0.00	0.0	3.829	0.000	13	2	1	1
016375	PL.11690	A	Consumer	7.35Y	122.5	0.00	3.51	1.50	0	11	2	98	0.00	0.0	3.829	0.000	11	2	1	1
PL.29167	PL.11689	A	4ACSR	7.35Y	122.5	0.00	3.50	0.70	0	5	1	98	0.00	0.0	3.835	0.050	0	0	0	1
016381	PL.29167	A	Consumer	7.35Y	122.5	0.00	3.50	0.70	0	5	1	98	0.00	0.0	3.835	0.000	5	1	1	1
PL.1480	PL.16699	A	4ACSR	7.35Y	122.5	0.01	3.45	1.65	1	12	2	99	0.00	0.0	3.679	0.074	0	0	0	2
PL.1481	PL.1480	A	4ACSR	7.35Y	122.5	0.00	3.46	1.65	1	12	2	99	0.00	0.0	3.747	0.068	0	0	0	2
016313	PL.1481	A	Consumer	7.35Y	122.5	0.00	3.46	0.59	0	4	1	97	0.00	0.0	3.747	0.000	4	1	1	1
PL.18739	PL.1481	A	4ACSR	7.35Y	122.5	0.00	3.46	1.06	1	8	1	99	0.00	0.0	3.780	0.033	0	0	0	1
PD.1795	PL.18739	A	fuse6AMP	7.35Y	122.5	0.00	3.46	1.06	18	8	1	99	0.00	0.0	3.780	0.000	0	0	0	1
PL.18740	PD.1795	A	4ACSR	7.35Y	122.5	0.01	3.47	1.06	1	8	1	99	0.00	0.0	4.084	0.303	0	0	0	1
016378	PL.18740	A	Consumer	7.35Y	122.5	0.00	3.47	1.06	0	8	1	99	0.00	0.0	4.084	0.000	8	1	1	1
PL.16700	PL.10644	C	4ACSR	7.29Y	121.5	0.00	4.46	10.75	6	77	15	98	0.00	0.0	3.379	0.005	0	0	0	26
C PD.1791	PL.16700	C	fuse8AMP	7.29Y	121.5	0.00	4.46	10.75	147	77	15	98	0.00	0.0	3.379	0.000	0	0	0	26 C
PL.16701	PD.1791	C	4ACSR	7.29Y	121.5	0.03	4.49	10.75	6	77	15	98	0.02	0.0	3.449	0.070	0	0	0	26
PL.10646	PL.16701	C	4ACSR	7.29Y	121.5	0.01	4.50	5.31	3	38	8	98	0.00	0.0	3.471	0.022	0	0	0	15
PL.1475	PL.10646	C	4ACSR	7.29Y	121.5	0.00	4.50	4.23	2	30	7	97	0.00	0.0	3.489	0.017	0	0	0	9
016342	PL.1475	C	Consumer	7.29Y	121.5	0.00	4.50	0.40	0	3	0	100	0.00	0.0	3.489	0.000	3	0	1	1
016330	PL.1475	C	Consumer	7.29Y	121.5	0.00	4.50	1.17	0	8	1	99	0.00	0.0	3.489	0.000	8	1	1	1

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

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.5751	PL.1475	C	4ACSR	7.29Y	121.5	0.00	4.50	1.65	1	11	4	94	0.00	0.0	3.505	0.017	0	0	0	5
016366	PL.5751	C	Consumer	7.29Y	121.5	0.00	4.50	0.02	0	0	0	100	0.00	0.0	3.505	0.000	0	0	1	1
016376	PL.5751	C	Consumer	7.29Y	121.5	0.00	4.50	0.08	0	1	0	100	0.00	0.0	3.505	0.000	1	0	1	1
PL.5752	PL.5751	C	4ACSR	7.29Y	121.5	0.00	4.50	1.56	1	11	4	94	0.00	0.0	3.536	0.030	0	0	0	3
016350	PL.5752	C	Consumer	7.29Y	121.5	0.00	4.50	0.08	0	1	0	100	0.00	0.0	3.536	0.000	1	0	1	1
016340	PL.5752	C	Consumer	7.29Y	121.5	0.00	4.50	1.07	0	7	3	92	0.00	0.0	3.536	0.000	7	3	1	1
016334	PL.5752	C	Consumer	7.29Y	121.5	0.00	4.50	0.42	0	3	0	100	0.00	0.0	3.536	0.000	3	0	1	1
PL.1479	PL.1475	C	4ACSR	7.29Y	121.5	0.00	4.50	1.03	1	7	1	99	0.00	0.0	3.531	0.042	0	0	0	2
016327	PL.1479	C	Consumer	7.29Y	121.5	0.00	4.50	0.99	0	7	1	99	0.00	0.0	3.531	0.000	7	1	1	1
016374	PL.1479	C	Consumer	7.29Y	121.5	0.00	4.50	0.04	0	0	0	100	0.00	0.0	3.531	0.000	0	0	1	1
PL.9941	PL.10646	C	4ACSR	7.29Y	121.5	0.00	4.50	1.08	1	8	1	99	0.00	0.0	3.527	0.056	0	0	0	6
PL.5746	PL.9941	C	4ACSR	7.29Y	121.5	0.00	4.50	0.07	0	0	0	100	0.00	0.0	3.553	0.026	0	0	0	2
016257	PL.5746	C	Consumer	7.29Y	121.5	0.00	4.50	0.07	0	0	0	100	0.00	0.0	3.553	0.000	0	0	1	1
PL.5747	PL.5746	C	4ACSR	7.29Y	121.5	0.00	4.50	0.00	0	0	0	100	0.00	0.0	3.593	0.040	0	0	0	1
PL.8392	PL.5747	C	4ACSR	7.29Y	121.5	0.00	4.50	0.00	0	0	0	100	0.00	0.0	3.655	0.062	0	0	0	1
PL.8393	PL.8392	C	4ACSR	7.29Y	121.5	0.00	4.50	0.00	0	0	0	100	0.00	0.0	3.688	0.034	0	0	0	1
016247	PL.8393	C	Consumer	7.29Y	121.5	0.00	4.50	0.00	0	0	0	100	0.00	0.0	3.688	0.000	0	0	1	1
016233	PL.5747	C	Consumer	7.29Y	121.5	0.00	4.50	0.00	0	0	0	100	0.00	0.0	3.593	0.000	0	0	0	0
016331	PL.9941	C	Consumer	7.29Y	121.5	0.00	4.50	0.30	0	2	0	100	0.00	0.0	3.527	0.000	2	0	1	1
016324	PL.9941	C	Consumer	7.29Y	121.5	0.00	4.50	0.38	0	3	0	100	0.00	0.0	3.527	0.000	3	0	1	1
016358	PL.9941	C	Consumer	7.29Y	121.5	0.00	4.50	0.00	0	0	0	100	0.00	0.0	3.527	0.000	0	0	0	0
016371	PL.9941	C	Consumer	7.29Y	121.5	0.00	4.50	0.33	0	2	0	100	0.00	0.0	3.527	0.000	2	0	1	1
016382	PL.9941	C	Consumer	7.29Y	121.5	0.00	4.50	0.01	0	0	0	100	0.00	0.0	3.527	0.000	0	0	1	1
016362	PL.9941	C	Consumer	7.29Y	121.5	0.00	4.50	0.00	0	0	0	100	0.00	0.0	3.527	0.000	0	0	0	0
016372	PL.16701	C	Consumer	7.29Y	121.5	0.00	4.49	0.01	0	0	0	100	0.00	0.0	3.449	0.000	0	0	1	1
016329	PL.16701	C	Consumer	7.29Y	121.5	0.00	4.49	0.40	0	3	0	100	0.00	0.0	3.449	0.000	3	0	1	1
PL.1476	PL.16701	C	4ACSR	7.29Y	121.5	0.01	4.50	5.04	3	36	6	99	0.00	0.0	3.476	0.027	0	0	0	9
PL.5744	PL.1476	C	4ACSR	7.29Y	121.5	0.00	4.50	3.87	2	28	4	99	0.00	0.0	3.493	0.017	0	0	0	6
PL.5745	PL.5744	C	4ACSR	7.29Y	121.5	0.00	4.50	2.05	1	15	2	99	0.00	0.0	3.513	0.020	0	0	0	2
016341	PL.5745	C	Consumer	7.29Y	121.5	0.00	4.50	1.50	0	11	2	98	0.00	0.0	3.513	0.000	11	2	1	1
016339	PL.5745	C	Consumer	7.29Y	121.5	0.00	4.50	0.55	0	4	1	97	0.00	0.0	3.513	0.000	4	1	1	1
016338	PL.5745	C	Consumer	7.29Y	121.5	0.00	4.50	0.00	0	0	0	100	0.00	0.0	3.513	0.000	0	0	0	0
016335	PL.5744	C	Consumer	7.29Y	121.5	0.00	4.50	0.73	0	5	1	98	0.00	0.0	3.493	0.000	5	1	1	1
016306	PL.5744	C	Consumer	7.29Y	121.5	0.00	4.50	0.31	0	2	0	100	0.00	0.0	3.493	0.000	2	0	1	1
016332	PL.5744	C	Consumer	7.29Y	121.5	0.00	4.50	0.30	0	2	0	100	0.00	0.0	3.493	0.000	2	0	1	1
016336	PL.5744	C	Consumer	7.29Y	121.5	0.00	4.50	0.47	0	3	1	95	0.00	0.0	3.493	0.000	3	1	1	1
016333	PL.1476	C	Consumer	7.29Y	121.5	0.00	4.50	0.92	0	7	1	99	0.00	0.0	3.476	0.000	7	1	1	1
016354	PL.1476	C	Consumer	7.29Y	121.5	0.00	4.50	0.00	0	0	0	100	0.00	0.0	3.476	0.000	0	0	1	1

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

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
016305	PL.1476	C	Consumer	7.29Y	121.5	0.00	4.50	0.26	0	2	0	100	0.00	0.0	3.476	0.000	2	0	1	1
PL.9942	PL.10644	A	4/0ACSR	7.35Y	122.6	0.08	3.44	36.13	8	254	79	95	0.34	0.0	3.609	0.235	0	0	0	18
		B		7.46Y	124.4	0.06	1.62	25.76	5	181	66	94					0	0	0	3
		C		7.29Y	121.4	0.11	4.57	36.11	8	250	82	95					0	0	0	19
PL.11566	PL.9942	A	4/0ACSR	7.35Y	122.5	0.06	3.50	36.13	8	254	79	95	0.19	0.0	3.757	0.148	0	0	0	18
		B		7.46Y	124.3	0.03	1.65	25.76	5	180	66	94					0	0	0	3
		C		7.28Y	121.4	0.06	4.63	31.29	7	215	76	94					0	0	0	9
PL.16704	PL.11566	A	4ACSR	7.35Y	122.5	0.00	3.50	4.44	2	32	5	99	0.00	0.0	3.768	0.011	0	0	0	7
PD.2553	PL.16704	A	fuse6AMP	7.35Y	122.5	0.00	3.50	4.44	76	32	5	99	0.00	0.0	3.768	0.000	0	0	0	7
PL.16705	PD.2553	A	4ACSR	7.35Y	122.5	0.02	3.51	4.44	2	32	5	99	0.00	0.0	3.859	0.091	0	0	0	7
PL.1484	PL.16705	A	4ACSR	7.35Y	122.5	0.01	3.52	3.28	2	24	4	99	0.00	0.0	3.897	0.038	0	0	0	6
PL.1062	PL.1484	A	4ACSR	7.35Y	122.5	0.00	3.52	0.95	0	7	1	99	0.00	0.0	3.976	0.079	0	0	0	1
016380	PL.1062	A	Consumer	7.35Y	122.5	0.00	3.52	0.95	0	7	1	99	0.00	0.0	3.976	0.000	7	1	1	1
016365	PL.1484	A	Consumer	7.35Y	122.5	0.00	3.52	0.68	0	5	1	98	0.00	0.0	3.897	0.000	5	1	1	1
016363	PL.1484	A	Consumer	7.35Y	122.5	0.00	3.52	0.36	0	3	0	100	0.00	0.0	3.897	0.000	3	0	1	1
016208	PL.1484	A	Consumer	7.35Y	122.5	0.00	3.52	0.05	0	0	0	100	0.00	0.0	3.897	0.000	0	0	1	1
016323	PL.1484	A	Consumer	7.35Y	122.5	0.00	3.52	0.08	0	1	0	100	0.00	0.0	3.897	0.000	1	0	1	1
016352	PL.1484	A	Consumer	7.35Y	122.5	0.00	3.52	0.00	0	0	0	100	0.00	0.0	3.897	0.000	0	0	0	0
016244	PL.1484	A	Consumer	7.35Y	122.5	0.00	3.52	1.17	0	8	1	99	0.00	0.0	3.897	0.000	8	1	1	1
PL.1060	PL.16705	A	4ACSR	7.35Y	122.5	0.00	3.52	1.15	1	8	1	99	0.00	0.0	3.920	0.062	0	0	0	1
016377	PL.1060	A	Consumer	7.35Y	122.5	0.00	3.52	1.15	0	8	1	99	0.00	0.0	3.920	0.000	8	1	1	1
PL.16706	PL.11566	A	4/0ACSR	7.35Y	122.5	0.03	3.53	31.74	7	221	73	95	0.09	0.0	3.846	0.089	0	0	0	11
		B		7.46Y	124.3	0.02	1.67	25.76	5	180	66	94					0	0	0	3
		C		7.28Y	121.3	0.03	4.66	24.27	5	165	64	93					0	0	0	2
PD.145-A	PL.16706	A	Closed	7.35Y	122.5	0.00	3.53	31.74	0	221	73	95	0.00	0.0	3.846	0.000	0	0	0	11
		B		7.46Y	124.3	0.00	1.67	25.76	0	180	66	94					0	0	0	3
		C		7.28Y	121.3	0.00	4.66	24.27	0	165	64	93					0	0	0	2
PD.145-B	PD.145-A	A	Closed	7.35Y	122.5	0.00	3.53	31.74	0	221	73	95	0.00	0.0	3.846	0.000	0	0	0	11
		B		7.46Y	124.3	0.00	1.67	25.76	0	180	66	94					0	0	0	3
		C		7.28Y	121.3	0.00	4.66	24.27	0	165	64	93					0	0	0	2
PL.16707	PD.145-B	A	4/0ACSR	7.35Y	122.5	0.02	3.55	31.74	7	221	73	95	0.04	0.0	3.886	0.040	0	0	0	11
		B		7.46Y	124.3	0.01	1.68	25.76	5	180	66	94					0	0	0	3
		C		7.28Y	121.3	0.01	4.67	24.27	5	165	64	93					0	0	0	2
PL.27784	PL.16707	A	4/0ACSR	7.35Y	122.5	0.00	3.55	0.00	0	0	0	100	0.00	0.0	3.918	0.032	0	0	0	0
		B		7.46Y	124.3	0.00	1.68	0.00	0	0	0	100					0	0	0	0
		C		7.28Y	121.3	0.00	4.67	0.00	0	0	0	100					0	0	0	0
PD.143-B	PL.27784	A	Open	7.35Y	122.5	0.00	3.55	0.00	0	0	0	100	0.00	0.0	3.918	0.000	0	0	0	0
		B		7.46Y	124.3	0.00	1.68	0.00	0	0	0	100					0	0	0	0
		C		7.28Y	121.3	0.00	4.67	0.00	0	0	0	100					0	0	0	0
PL.11569	PL.16707	A	1/0ACSR	7.34Y	122.4	0.05	3.59	31.74	10	221	73	95	0.14	0.0	3.958	0.072	0	0	0	11
		B		7.46Y	124.3	0.03	1.71	25.76	8	180	66	94					0	0	0	3
		C		7.28Y	121.3	0.03	4.70	24.27	7	165	64	93					0	0	0	2
PL.11570	PL.11569	A	1/0ACSR	7.34Y	122.4	0.02	3.61	31.01	9	216	72	95	0.06	0.0	3.990	0.032	0	0	0	10
		B		7.46Y	124.3	0.01	1.72	23.56	7	164	63	93					0	0	0	1
		C		7.28Y	121.3	0.02	4.72	24.27	7	165	64	93					0	0	0	2
016250	PL.11570	A	Consumer	7.34Y	122.4	0.00	3.61	1.13	0	8	1	99	0.00	0.0	3.990	0.000	8	1	1	1
016252	PL.11570	A	Consumer	7.34Y	122.4	0.00	3.61	0.73	0	5	1	98	0.00	0.0	3.990	0.000	5	1	1	1
016206	PL.11570	A	Consumer	7.34Y	122.4	0.00	3.61	1.19	0	9	1	99	0.00	0.0	3.990	0.000	9	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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
016253	PL.11570	A	Consumer	7.34Y	122.4	0.00	3.61	0.63	0	5	1	98	0.00	0.0	3.990	0.000	5	1	1	1
PL.11571	PL.11570	A	1/0ACSR	7.34Y	122.4	0.03	3.64	24.14	7	165	64	93	0.09	0.0	4.054	0.064	0	0	0	2
		B		7.45Y	124.2	0.03	1.75	23.56	7	164	63	93					0	0	0	1
		C		7.28Y	121.3	0.03	4.75	24.14	7	164	63	93					0	0	0	1
PL.18670	PL.11571	A	1/0ACSR	7.34Y	122.4	0.00	3.64	24.14	7	165	64	93	0.01	0.0	4.063	0.009	0	0	0	2
		B		7.45Y	124.2	0.00	1.75	23.56	7	164	63	93					0	0	0	1
		C		7.28Y	121.3	0.00	4.75	24.14	7	164	63	93					0	0	0	1
PD.3360	PL.18670	A	50E	7.34Y	122.4	0.00	3.64	24.14	48	165	64	93	0.00	0.0	4.063	0.000	0	0	0	2
		B		7.45Y	124.2	0.00	1.75	23.56	47	164	63	93					0	0	0	1
		C		7.28Y	121.3	0.00	4.75	24.14	48	164	63	93					0	0	0	1
PL.18671	PD.3360	A	1/0ACSR	7.33Y	122.2	0.11	3.76	24.14	7	165	64	93	0.38	0.1	4.318	0.254	0	0	0	2
		B		7.45Y	124.1	0.11	1.86	23.56	7	164	63	93					0	0	0	1
		C		7.27Y	121.1	0.11	4.86	24.14	7	164	63	93					0	0	0	1
PL.37671	PL.18671	A	1/0ACSR	7.33Y	122.2	0.03	3.79	11.32	3	77	30	93	0.04	0.0	4.457	0.139	0	0	0	1
		B		7.45Y	124.1	0.03	1.89	10.94	3	76	30	93					0	0	0	0
		C		7.27Y	121.1	0.03	4.89	11.21	3	76	30	93					0	0	0	0
PL.37672	PL.37671	A	1/0ACSR	7.33Y	122.2	0.00	3.79	11.32	3	77	30	93	0.00	0.0	4.459	0.002	0	0	0	1
		B		7.45Y	124.1	0.00	1.89	10.94	3	76	30	93					0	0	0	0
		C		7.27Y	121.1	0.00	4.89	11.21	3	76	30	93					0	0	0	0
0162066	PL.37672	A	Consumer	7.33Y	122.2	0.00	3.79	0.00	0	0	0	100	0.00	0.0	4.459	0.000	0	0	0	0
PL.37670	PL.37672	A	1/0ACSR	7.33Y	122.1	0.07	3.86	11.32	3	77	30	93	0.11	0.0	4.812	0.353	0	0	0	1
		B		7.44Y	124.0	0.07	1.96	10.94	3	76	30	93					0	0	0	0
		C		7.26Y	121.0	0.07	4.97	11.21	3	76	30	93					0	0	0	0
PL.30991	PL.37670	A	1/0ACSR	7.33Y	122.1	0.00	3.87	11.32	3	77	30	93	0.01	0.0	4.829	0.017	0	0	0	1
		B		7.44Y	124.0	0.00	1.96	10.94	3	76	30	93					0	0	0	0
		C		7.26Y	121.0	0.00	4.97	11.21	3	76	30	93					0	0	0	0
PL.30992	PL.30991	A	1/0ACSR	7.33Y	122.1	0.00	3.87	11.11	3	76	30	93	0.01	0.0	4.847	0.018	0	0	0	0
		B		7.44Y	124.0	0.00	1.97	10.94	3	76	30	93					0	0	0	0
		C		7.26Y	121.0	0.00	4.97	11.21	3	76	30	93					0	0	0	0
016262	PL.30992	A	Consumer	7.33Y	122.1	0.00	3.87	11.11	0	76	30	93	0.00	0.0	4.847	0.000	76	30	0	0
		B		7.44Y	124.0	0.00	1.97	10.94	0	76	30	93					76	30	0	0
		C		7.26Y	121.0	0.00	4.97	11.21	0	76	30	93					76	30	0	0
016203	PL.30991	A	Consumer	7.33Y	122.1	0.00	3.87	0.22	0	1	1	71	0.00	0.0	4.829	0.000	1	1	1	1
PL.24721	PL.18671	A	2ACSR	7.33Y	122.2	0.00	3.76	12.82	5	88	34	93	0.01	0.0	4.329	0.012	0	0	0	0
		B		7.45Y	124.1	0.00	1.87	12.63	5	88	34	93					0	0	0	0
		C		7.27Y	121.1	0.00	4.87	12.94	5	88	34	93					0	0	0	0
PL.24722	PL.24721	A	2ACSR	7.33Y	122.2	0.00	3.77	12.82	5	88	34	93	0.01	0.0	4.343	0.013	0	0	0	0
		B		7.45Y	124.1	0.00	1.87	12.63	5	88	34	93					0	0	0	0
		C		7.27Y	121.1	0.00	4.87	12.94	5	88	34	93					0	0	0	0
016263	PL.24722	A	Consumer	7.33Y	122.2	0.00	3.77	12.82	0	88	34	93	0.00	0.0	4.343	0.000	88	34	0	0
		B		7.45Y	124.1	0.00	1.87	12.63	0	88	34	93					88	34	0	0
		C		7.27Y	121.1	0.00	4.87	12.94	0	88	34	93					88	34	0	0
PL.1520	PL.11570	C	4ACSR	7.28Y	121.3	0.00	4.72	0.13	0	1	0	100	0.00	0.0	4.060	0.070	0	0	0	1
016205	PL.1520	C	Consumer	7.28Y	121.3	0.00	4.72	0.00	0	0	0	100	0.00	0.0	4.060	0.000	0	0	0	0
016204	PL.1520	C	Consumer	7.28Y	121.3	0.00	4.72	0.13	0	1	0	100	0.00	0.0	4.060	0.000	1	0	1	1
PL.11572	PL.11570	A	4ACSR	7.34Y	122.4	0.01	3.62	3.31	2	24	4	99	0.00	0.0	4.049	0.059	0	0	0	4
016254	PL.11572	A	Consumer	7.34Y	122.4	0.00	3.62	0.62	0	4	1	97	0.00	0.0	4.049	0.000	4	1	1	1
016251	PL.11572	A	Consumer	7.34Y	122.4	0.00	3.62	0.74	0	5	1	98	0.00	0.0	4.049	0.000	5	1	1	1
PL.11573	PL.11572	A	4ACSR	7.34Y	122.4	0.00	3.62	1.95	1	14	2	99	0.00	0.0	4.081	0.032	0	0	0	2
PL.5753	PL.11573	A	4ACSR	7.34Y	122.4	0.00	3.62	1.12	1	8	1	99	0.00	0.0	4.148	0.067	0	0	0	1
016202	PL.5753	A	Consumer	7.34Y	122.4	0.00	3.62	1.12	0	8	1	99	0.00	0.0	4.148	0.000	8	1	1	1

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

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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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
016201	PL.5753	A	Consumer	7.34Y	122.4	0.00	3.62	0.00	0	0	0	100	0.00	0.0	4.148	0.000	0	0	0	0
016260	PL.11573	A	Consumer	7.34Y	122.4	0.00	3.62	0.83	0	6	1	99	0.00	0.0	4.081	0.000	6	1	1	1
016255	PL.11569	B	Consumer	7.46Y	124.3	0.00	1.71	1.16	0	9	1	99	0.00	0.0	3.958	0.000	9	1	1	1
016207	PL.11569	A	Consumer	7.34Y	122.4	0.00	3.59	0.74	0	5	1	98	0.00	0.0	3.958	0.000	5	1	1	1
016249	PL.11569	B	Consumer	7.46Y	124.3	0.00	1.71	1.09	0	8	1	99	0.00	0.0	3.958	0.000	8	1	1	1
PL.16702	PL.11566	C	4ACSR	7.28Y	121.4	0.00	4.63	7.06	4	50	13	97	0.00	0.0	3.766	0.009	0	0	0	7
C PD.1790	PL.16702	C	fuse6AMP	7.28Y	121.4	0.00	4.63	7.06	121	50	13	97	0.00	0.0	3.766	0.000	0	0	0	7 C
PL.16703	PD.1790	C	4ACSR	7.28Y	121.3	0.02	4.65	7.06	4	50	13	97	0.01	0.0	3.828	0.062	0	0	0	7
PL.11567	PL.16703	C	4ACSR	7.28Y	121.3	0.01	4.66	4.77	2	33	10	96	0.00	0.0	3.875	0.047	0	0	0	5
016231	PL.11567	C	Consumer	7.28Y	121.3	0.00	4.66	0.07	0	1	0	100	0.00	0.0	3.875	0.000	1	0	1	1
016240	PL.11567	C	Consumer	7.28Y	121.3	0.00	4.66	1.07	0	8	1	99	0.00	0.0	3.875	0.000	8	1	1	1
016242	PL.11567	C	Consumer	7.28Y	121.3	0.00	4.66	0.00	0	0	0	100	0.00	0.0	3.875	0.000	0	0	0	0
016211	PL.11567	C	Consumer	7.28Y	121.3	0.00	4.66	2.09	0	14	7	89	0.00	0.0	3.875	0.000	14	7	1	1
016237	PL.11567	C	Consumer	7.28Y	121.3	0.00	4.66	0.39	0	3	0	100	0.00	0.0	3.875	0.000	3	0	1	1
016239	PL.11567	C	Consumer	7.28Y	121.3	0.00	4.66	1.20	0	9	1	99	0.00	0.0	3.875	0.000	9	1	1	1
PL.1483	PL.16703	C	4ACSR	7.28Y	121.3	0.01	4.66	2.30	1	17	3	98	0.00	0.0	3.885	0.057	0	0	0	2
016232	PL.1483	C	Consumer	7.28Y	121.3	0.00	4.66	0.08	0	1	0	100	0.00	0.0	3.885	0.000	1	0	1	1
016241	PL.1483	C	Consumer	7.28Y	121.3	0.00	4.66	2.22	0	16	3	98	0.00	0.0	3.885	0.000	16	3	1	1
PL.20713	PL.9942	C	4ACSR	7.29Y	121.4	0.00	4.57	4.89	3	35	6	99	0.00	0.0	3.622	0.013	0	0	0	10
C PD.3473	PL.20713	C	fuse6AMP	7.29Y	121.4	0.00	4.57	4.89	83	35	6	99	0.00	0.0	3.622	0.000	0	0	0	10 C
PL.20714	PD.3473	C	4ACSR	7.28Y	121.4	0.01	4.58	4.89	3	35	6	99	0.00	0.0	3.676	0.054	0	0	0	10
PL.5748	PL.20714	C	4ACSR	7.28Y	121.4	0.00	4.59	2.18	1	16	3	98	0.00	0.0	3.708	0.032	0	0	0	5
0162065	PL.5748	C	Consumer	7.28Y	121.4	0.00	4.59	0.31	0	2	0	100	0.00	0.0	3.708	0.000	2	0	1	1
016261	PL.5748	C	Consumer	7.28Y	121.4	0.00	4.59	0.96	0	7	1	99	0.00	0.0	3.708	0.000	7	1	1	1
PL.5749	PL.5748	C	4ACSR	7.28Y	121.4	0.00	4.59	0.91	0	7	1	99	0.00	0.0	3.741	0.033	0	0	0	3
016235	PL.5749	C	Consumer	7.28Y	121.4	0.00	4.59	0.33	0	2	0	100	0.00	0.0	3.741	0.000	2	0	1	1
016236	PL.5749	C	Consumer	7.28Y	121.4	0.00	4.59	0.50	0	4	1	97	0.00	0.0	3.741	0.000	4	1	1	1
016245	PL.5749	C	Consumer	7.28Y	121.4	0.00	4.59	0.08	0	1	0	100	0.00	0.0	3.741	0.000	1	0	1	1
PL.1482	PL.5749	C	4ACSR	7.28Y	121.4	0.00	4.59	0.00	0	0	0	100	0.00	0.0	3.789	0.048	0	0	0	0
016246	PL.20714	C	Consumer	7.28Y	121.4	0.00	4.58	1.23	0	9	1	99	0.00	0.0	3.676	0.000	9	1	1	1
016359	PL.20714	C	Consumer	7.28Y	121.4	0.00	4.58	0.30	0	2	0	100	0.00	0.0	3.676	0.000	2	0	1	1
PL.1478	PL.20714	C	4ACSR	7.28Y	121.4	0.00	4.59	1.17	1	8	1	99	0.00	0.0	3.724	0.049	0	0	0	3
016226	PL.1478	C	Consumer	7.28Y	121.4	0.00	4.59	0.89	0	6	1	99	0.00	0.0	3.724	0.000	6	1	1	1
016317	PL.1478	C	Consumer	7.28Y	121.4	0.00	4.59	0.28	0	2	0	100	0.00	0.0	3.724	0.000	2	0	1	1
016357	PL.1478	C	Consumer	7.28Y	121.4	0.00	4.59	0.00	0	0	0	100	0.00	0.0	3.724	0.000	0	0	1	1
P PL.16696	PL.10643	C	4ACSR	7.30Y	121.6	0.00	4.36	-0.02	0	0	0	100	0.00	0.0	3.223	0.004	0	0	0	0 P
PD.1796	PL.16696	C	fuse6AMP	7.30Y	121.6	0.00	4.36	-0.02	0	0	0	100	0.00	0.0	3.223	0.000	0	0	0	0
P PL.16697	PD.1796	C	4ACSR	7.30Y	121.6	-0.00	4.36	-0.02	0	0	0	100	0.00	0.0	3.254	0.031	0	0	0	0 P

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-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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
	PL.10645	PL.16697	C	4ACSR	7.30Y	121.6	0.00	4.36	0.00	0	0	0	100	0.00	0.0	3.299	0.045	0	0	0	0	
P	PL.45906	PL.16697	C	1/0EPRJCN	7.30Y	121.6	-0.00	4.36	-0.02	0	0	0	100	0.00	0.0	3.281	0.027	0	0	0	0	P
	0163090	PL.45906	C	Consumer	7.30Y	121.6	0.00	4.36	0.00	0	0	0	100	0.00	0.0	3.281	0.000	0	0	0	0	
	PL.1523	PL.16697	C	4ACSR	7.30Y	121.6	0.00	4.36	0.00	0	0	0	100	0.00	0.0	3.284	0.030	0	0	0	0	
	017326	PL.10640	C	Consumer	7.30Y	121.7	0.00	4.26	0.07	0	0	0	100	0.00	0.0	3.071	0.000	0	0	1	1	
	570602	PL.26008	B	Consumer	7.47Y	124.5	0.00	1.45	0.10	0	1	0	100	0.00	0.0	2.974	0.000	1	0	1	1	
	PL.17936	PL.26007	C	4ACSR	7.31Y	121.9	0.00	4.14	1.20	1	9	1	99	0.00	0.0	2.922	0.024	0	0	0	3	
	PD.2846	PL.17936	C	fuse6AMP	7.31Y	121.9	0.00	4.14	1.20	21	9	1	99	0.00	0.0	2.922	0.000	0	0	0	3	
	PL.17458	PD.2846	C	4ACSR	7.31Y	121.9	0.00	4.14	1.20	1	9	1	99	0.00	0.0	3.003	0.081	0	0	0	3	
	570601	PL.17458	C	Consumer	7.31Y	121.9	0.00	4.14	0.65	0	5	1	98	0.00	0.0	3.003	0.000	5	1	1	1	
	PL.7529	PL.17458	C	4ACSR	7.31Y	121.9	0.00	4.15	0.55	0	4	1	97	0.00	0.0	3.019	0.015	0	0	0	2	
	PL.1214	PL.7529	C	4ACSR	7.31Y	121.9	0.00	4.15	0.55	0	4	1	97	0.00	0.0	3.109	0.091	0	0	0	2	
	017301	PL.1214	C	Consumer	7.31Y	121.9	0.00	4.15	0.27	0	2	0	100	0.00	0.0	3.109	0.000	2	0	1	1	
	PL.1213	PL.1214	C	4ACSR	7.31Y	121.9	0.00	4.15	0.28	0	2	0	100	0.00	0.0	3.137	0.027	0	0	0	1	
	017318	PL.1213	C	Consumer	7.31Y	121.9	0.00	4.15	0.28	0	2	0	100	0.00	0.0	3.137	0.000	2	0	1	1	
	571701	PL.26007	C	Consumer	7.31Y	121.9	0.00	4.14	0.00	0	0	0	100	0.00	0.0	2.898	0.000	0	0	0	0	
	571702	PL.26007	C	Consumer	7.31Y	121.9	0.00	4.14	0.24	0	2	0	100	0.00	0.0	2.898	0.000	2	0	1	1	
P	CP.14	PL.28051	A	Cap (150)	7.37Y	122.9	0.00	3.11	-7.11	0	0	-52	0	0.00	0.0	2.709	0.000	0	0	0	0	P
			B		7.48Y	124.6	0.00	1.37	-7.21	0	0	-54	0					0	0	0	0	
P			C		7.32Y	122.0	0.00	4.00	-7.06	0	0	-52	0					0	0	0	0	P
	PL.27778	PL.11352	C	4ACSR	7.32Y	122.1	0.00	3.94	4.01	2	29	5	99	0.00	0.0	2.650	0.004	0	0	0	4	
	PD.2847	PL.27778	C	fuse6AMP	7.32Y	122.1	0.00	3.94	4.01	68	29	5	99	0.00	0.0	2.650	0.000	0	0	0	4	
	PL.27777	PD.2847	C	4ACSR	7.32Y	122.0	0.01	3.95	4.01	2	29	5	99	0.00	0.0	2.702	0.052	0	0	0	4	
	573702	PL.27777	C	Consumer	7.32Y	122.0	0.00	3.95	0.47	0	3	1	95	0.00	0.0	2.702	0.000	3	1	1	1	
	PL.3571	PL.27777	C	4ACSR	7.32Y	122.0	0.01	3.97	3.54	2	26	4	99	0.00	0.0	2.787	0.085	0	0	0	3	
	PL.3569	PL.3571	C	4ACSR	7.32Y	122.0	0.00	3.97	0.00	0	0	0	100	0.00	0.0	2.851	0.065	0	0	0	0	
	574701	PL.3569	C	Consumer	7.32Y	122.0	0.00	3.97	0.00	0	0	0	100	0.00	0.0	2.851	0.000	0	0	0	0	
	PL.7524	PL.3571	C	4ACSR	7.32Y	122.0	0.01	3.97	3.54	2	26	4	99	0.00	0.0	2.837	0.051	0	0	0	3	
	PL.7523	PL.7524	C	4ACSR	7.32Y	122.0	0.00	3.98	1.53	1	11	2	98	0.00	0.0	2.875	0.037	0	0	0	2	
	PL.1628	PL.7523	C	4ACSR	7.32Y	122.0	0.00	3.98	1.53	1	11	2	98	0.00	0.0	2.887	0.013	0	0	0	2	
	017319	PL.1628	C	Consumer	7.32Y	122.0	0.00	3.98	0.76	0	5	1	98	0.00	0.0	2.887	0.000	5	1	1	1	
	017368	PL.1628	C	Consumer	7.32Y	122.0	0.00	3.98	0.00	0	0	0	100	0.00	0.0	2.887	0.000	0	0	0	0	
	017329	PL.1628	C	Consumer	7.32Y	122.0	0.00	3.98	0.78	0	6	1	99	0.00	0.0	2.887	0.000	6	1	1	1	
	574602	PL.7524	C	Consumer	7.32Y	122.0	0.00	3.97	0.00	0	0	0	100	0.00	0.0	2.837	0.000	0	0	0	0	
	5747001	PL.7524	C	Consumer	7.32Y	122.0	0.00	3.97	0.00	0	0	0	100	0.00	0.0	2.837	0.000	0	0	0	0	
	574702	PL.7524	C	Consumer	7.32Y	122.0	0.00	3.97	2.01	0	15	2	99	0.00	0.0	2.837	0.000	15	2	1	1	
	PL.3570	PL.3571	C	4ACSR	7.32Y	122.0	0.00	3.97	0.00	0	0	0	100	0.00	0.0	2.855	0.069	0	0	0	0	
	PL.11339	PL.11338	A	4/0ACSR	7.38Y	123.0	0.00	2.95	0.00	0	0	0	100	0.00	0.0	2.479	0.017	0	0	0	0	
			B		7.48Y	124.7	0.00	1.28	0.00	0	0	0	100					0	0	0	0	
			C		7.33Y	122.2	0.00	3.77	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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
0173084	PL.11563	B	Consumer	7.49Y	124.8	0.00	1.22	0.00	0	0	0	100	0.00	0.0	2.278	0.000	0	0	0	0
017351	PL.11563	C	Consumer	7.35Y	122.4	0.00	3.58	1.61	0	12	2	99	0.00	0.0	2.278	0.000	12	2	1	1
0173088	PL.11563	B	Consumer	7.49Y	124.8	0.00	1.22	0.00	0	0	0	100	0.00	0.0	2.278	0.000	0	0	0	0
0173086	PL.11563	B	Consumer	7.49Y	124.8	0.00	1.22	0.75	0	6	1	99	0.00	0.0	2.278	0.000	6	1	1	1
PL.16073	PL.5875	A	4ACSR	7.40Y	123.3	0.00	2.70	1.36	1	10	2	98	0.00	0.0	2.055	0.006	0	0	0	1
PD.1901	PL.16073	A	fuse6AMP	7.40Y	123.3	0.00	2.70	1.36	23	10	2	98	0.00	0.0	2.055	0.000	0	0	0	1
PL.16074	PD.1901	A	4ACSR	7.40Y	123.3	0.00	2.70	1.36	1	10	2	98	0.00	0.0	2.113	0.058	0	0	0	1
017353	PL.16074	A	Consumer	7.40Y	123.3	0.00	2.70	1.36	0	10	2	98	0.00	0.0	2.113	0.000	10	2	1	1
PL.39874	PL.39875	A	2ACSR	7.40Y	123.3	0.00	2.66	0.00	0	0	0	100	0.00	0.0	2.077	0.092	0	0	0	0
		B		7.49Y	124.9	0.00	1.10	0.17	0	1	0	99					0	0	0	2
		C		7.36Y	122.7	-0.00	3.27	0.00	0	0	0	100					0	0	0	0
0183123	PL.39874	B	Consumer	7.49Y	124.9	0.00	1.10	0.01	0	0	0	100	0.00	0.0	2.077	0.000	0	0	1	1
018320	PL.39874	B	Consumer	7.49Y	124.9	0.00	1.10	0.17	0	1	0	100	0.00	0.0	2.077	0.000	1	0	1	1
018303	PL.5878	B	Consumer	7.49Y	124.9	0.00	1.09	0.07	0	1	0	100	0.00	0.0	1.948	0.000	1	0	1	1
018315	PL.5878	B	Consumer	7.49Y	124.9	0.00	1.09	1.20	0	9	1	99	0.00	0.0	1.948	0.000	9	1	1	1
018306	PL.5878	B	Consumer	7.49Y	124.9	0.00	1.09	0.31	0	2	0	100	0.00	0.0	1.948	0.000	2	0	1	1
018325	PL.5878	B	Consumer	7.49Y	124.9	0.00	1.09	0.00	0	0	0	100	0.00	0.0	1.948	0.000	0	0	0	0
018399	PL.5834	A	Consumer	7.41Y	123.4	0.00	2.57	1.16	0	8	1	99	0.00	0.0	1.839	0.000	8	1	1	1
018361	PL.5834	A	Consumer	7.41Y	123.4	0.00	2.57	1.39	0	10	2	98	0.00	0.0	1.839	0.000	10	2	1	1
018360	PL.5834	A	Consumer	7.41Y	123.4	0.00	2.57	0.82	0	6	1	99	0.00	0.0	1.839	0.000	6	1	1	1
018316	PL.5834	B	Consumer	7.50Y	125.0	0.00	1.04	0.23	0	2	0	100	0.00	0.0	1.839	0.000	2	0	1	1
PL.16916	PL.5834	A	4ACSR	7.41Y	123.4	0.00	2.57	1.49	1	11	2	98	0.00	0.0	1.847	0.008	0	0	0	4
PD.1799	PL.16916	A	fuse6AMP	7.41Y	123.4	0.00	2.57	1.49	25	11	2	98	0.00	0.0	1.847	0.000	0	0	0	4
PL.16072	PD.1799	A	4ACSR	7.41Y	123.4	0.01	2.57	1.49	1	11	2	98	0.00	0.0	1.944	0.097	0	0	0	4
018324	PL.16072	A	Consumer	7.41Y	123.4	0.00	2.57	0.00	0	0	0	100	0.00	0.0	1.944	0.000	0	0	0	0
0183107	PL.16072	A	Consumer	7.41Y	123.4	0.00	2.57	1.18	0	9	1	99	0.00	0.0	1.944	0.000	9	1	1	1
018348	PL.16072	A	Consumer	7.41Y	123.4	0.00	2.57	0.21	0	2	0	100	0.00	0.0	1.944	0.000	2	0	1	1
0183108	PL.16072	A	Consumer	7.41Y	123.4	0.00	2.57	0.09	0	1	0	100	0.00	0.0	1.944	0.000	1	0	1	1
018376	PL.16072	A	Consumer	7.41Y	123.4	0.00	2.57	0.00	0	0	0	100	0.00	0.0	1.944	0.000	0	0	1	1
PL.16912	PL.11561	A	4ACSR	7.41Y	123.5	0.00	2.51	3.06	2	22	4	98	0.00	0.0	1.762	0.004	0	0	0	4
PD.1900	PL.16912	A	fuse6AMP	7.41Y	123.5	0.00	2.51	3.06	52	22	4	98	0.00	0.0	1.762	0.000	0	0	0	4
PL.16913	PD.1900	A	4ACSR	7.41Y	123.5	0.01	2.52	3.06	2	22	4	98	0.00	0.0	1.821	0.059	0	0	0	4
018379	PL.16913	A	Consumer	7.41Y	123.5	0.00	2.52	1.20	0	9	1	99	0.00	0.0	1.821	0.000	9	1	1	1
018395	PL.16913	A	Consumer	7.41Y	123.5	0.00	2.52	0.42	0	3	0	100	0.00	0.0	1.821	0.000	3	0	1	1
018386	PL.16913	A	Consumer	7.41Y	123.5	0.00	2.52	0.68	0	5	1	98	0.00	0.0	1.821	0.000	5	1	1	1
018357	PL.16913	A	Consumer	7.41Y	123.5	0.00	2.52	0.76	0	6	1	99	0.00	0.0	1.821	0.000	6	1	1	1
PL.45441	PL.17834	C	2ACSR	7.39Y	123.1	0.00	2.91	0.00	0	0	0	100	0.00	0.0	1.714	0.062	0	0	0	0
0183120	PL.45441	C	Consumer	7.39Y	123.1	0.00	2.91	0.00	0	0	0	100	0.00	0.0	1.714	0.000	0	0	0	0
PL.45442	PL.45441	C	2ACSR	7.39Y	123.1	0.00	2.91	0.00	0	0	0	100	0.00	0.0	1.769	0.055	0	0	0	0

Unbalanced Voltage Drop Report
Source: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
0183137	PL.45442	C	Consumer	7.39Y	123.1	0.00	2.91	0.00	0	0	0	100	0.00	0.0	1.769	0.000	0	0	0	0
0183136	PL.44251	B	Consumer	7.50Y	125.1	0.00	0.94	0.00	0	0	0	100	0.00	0.0	1.578	0.000	0	0	0	0
018314	PL.6090	B	Consumer	7.51Y	125.1	0.00	0.92	0.00	0	0	0	100	0.00	0.0	1.514	0.000	0	0	0	0
018323	PL.6090	B	Consumer	7.51Y	125.1	0.00	0.92	1.32	0	10	2	98	0.00	0.0	1.514	0.000	10	2	1	1
0183111	PL.6090	B	Consumer	7.51Y	125.1	0.00	0.92	0.22	0	2	0	100	0.00	0.0	1.514	0.000	2	0	1	1
0183131	PL.19513	B	Consumer	7.51Y	125.1	0.00	0.87	0.97	0	7	1	99	0.00	0.0	1.412	0.000	7	1	1	1
0184113	PL.19513	B	Consumer	7.51Y	125.1	0.00	0.87	0.00	0	0	0	100	0.00	0.0	1.412	0.000	0	0	0	0
018311	PL.19513	B	Consumer	7.51Y	125.1	0.00	0.87	0.50	0	4	1	97	0.00	0.0	1.412	0.000	4	1	1	1
0183128	PL.19513	B	Consumer	7.51Y	125.1	0.00	0.87	0.01	0	0	0	100	0.00	0.0	1.412	0.000	0	0	1	1
018471	PL.19513	B	Consumer	7.51Y	125.1	0.00	0.87	0.06	0	0	0	100	0.00	0.0	1.412	0.000	0	0	1	1
018478	PL.11560	C	Consumer	7.41Y	123.5	0.00	2.54	0.34	0	2	0	100	0.00	0.0	1.309	0.000	2	0	1	1
018490	PL.11560	A	Consumer	7.43Y	123.8	0.00	2.16	0.77	0	6	1	99	0.00	0.0	1.309	0.000	6	1	1	1
018492	PL.11560	A	Consumer	7.43Y	123.8	0.00	2.16	0.54	0	4	1	97	0.00	0.0	1.309	0.000	4	1	1	1
018433	PL.11558	A	Consumer	7.44Y	123.9	0.00	2.07	0.08	0	1	0	100	0.00	0.0	1.203	0.000	1	0	1	1
018467	PL.11558	B	Consumer	7.51Y	125.2	0.00	0.77	0.00	0	0	0	100	0.00	0.0	1.203	0.000	0	0	0	0
0184106	PL.11558	A	Consumer	7.44Y	123.9	0.00	2.07	1.30	0	10	2	98	0.00	0.0	1.203	0.000	10	2	1	1
018434	PL.11558	A	Consumer	7.44Y	123.9	0.00	2.07	0.81	0	6	1	99	0.00	0.0	1.203	0.000	6	1	1	1
018465	PL.11558	B	Consumer	7.51Y	125.2	0.00	0.77	1.02	0	8	1	99	0.00	0.0	1.203	0.000	8	1	1	1
018428	PL.11558	B	Consumer	7.51Y	125.2	0.00	0.77	0.44	0	3	1	95	0.00	0.0	1.203	0.000	3	1	1	1
018485	PL.11558	B	Consumer	7.51Y	125.2	0.00	0.77	0.00	0	0	0	100	0.00	0.0	1.203	0.000	0	0	0	0
018423	PL.11558	B	Consumer	7.51Y	125.2	0.00	0.77	0.16	0	1	0	100	0.00	0.0	1.203	0.000	1	0	1	1
018424	PL.11558	A	Consumer	7.44Y	123.9	0.00	2.07	1.00	0	7	1	99	0.00	0.0	1.203	0.000	7	1	1	1
018413	PL.11558	A	Consumer	7.44Y	123.9	0.00	2.07	0.41	0	3	0	100	0.00	0.0	1.203	0.000	3	0	1	1
PL.17138	PL.11556	A	4ACSR	7.44Y	124.0	0.00	2.00	2.25	1	17	3	98	0.00	0.0	1.134	0.004	0	0	0	4
PD.1932	PL.17138	A	fuse6AMP	7.44Y	124.0	0.00	2.00	2.25	38	17	3	98	0.00	0.0	1.134	0.000	0	0	0	4
PL.17139	PD.1932	A	4ACSR	7.44Y	124.0	0.01	2.01	2.25	1	17	3	98	0.00	0.0	1.187	0.053	0	0	0	4
018418	PL.17139	A	Consumer	7.44Y	124.0	0.00	2.01	0.92	0	7	1	99	0.00	0.0	1.187	0.000	7	1	1	1
018421	PL.17139	A	Consumer	7.44Y	124.0	0.00	2.01	0.00	0	0	0	100	0.00	0.0	1.187	0.000	0	0	1	1
018449	PL.17139	A	Consumer	7.44Y	124.0	0.00	2.01	0.00	0	0	0	100	0.00	0.0	1.187	0.000	0	0	0	0
018416	PL.17139	A	Consumer	7.44Y	124.0	0.00	2.01	0.04	0	0	0	100	0.00	0.0	1.187	0.000	0	0	1	1
018414	PL.17139	A	Consumer	7.44Y	124.0	0.00	2.01	1.29	0	9	2	98	0.00	0.0	1.187	0.000	9	2	1	1
018484	PL.11555	C	Consumer	7.44Y	124.1	0.00	1.94	1.04	0	7	3	92	0.00	0.0	0.847	0.000	7	3	1	1
PL.27625	PL.11554	A	4/0ACSR	7.46Y	124.4	-0.00	1.58	0.00	0	0	0	100	0.00	0.0	0.815	0.005	0	0	0	0
		B		7.53Y	125.4	0.00	0.56	0.00	0	0	0	100					0	0	0	0
		C		7.45Y	124.1	0.00	1.86	7.04	1	52	8	99					0	0	0	9
PL.19673	PL.27625	A	4/0ACSR	7.47Y	124.4	-0.00	1.58	0.00	0	0	0	100	0.00	0.0	0.880	0.065	0	0	0	0
		B		7.53Y	125.4	0.00	0.56	0.00	0	0	0	100					0	0	0	0
		C		7.45Y	124.1	0.01	1.87	7.04	1	52	8	99					0	0	0	9
PL.19674	PL.19673	A	4/0ACSR	7.47Y	124.4	-0.00	1.58	0.00	0	0	0	100	0.00	0.0	0.920	0.041	0	0	0	0
		B		7.53Y	125.4	0.00	0.56	0.00	0	0	0	100					0	0	0	0
		C		7.45Y	124.1	0.00	1.87	5.86	1	43	7	99					0	0	0	7

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: CLAY CITY

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.23761	PL.19674	A	4/0ACSR	7.47Y	124.4	-0.00	1.58	0.00	0	0	0	100	0.00	0.0	0.970	0.050	0	0	0	0
		B		7.53Y	125.4	0.00	0.56	0.00	0	0	0	100					0	0	0	0
		C		7.45Y	124.1	0.00	1.87	1.85	0	14	2	99					0	0	0	3
0194100	PL.23761	C	Consumer	7.45Y	124.1	0.00	1.87	0.87	0	6	1	99	0.00	0.0	0.970	0.000	6	1	1	1
0194121	PL.23761	A	Consumer	7.47Y	124.4	0.00	1.58	0.00	0	0	0	100	0.00	0.0	0.970	0.000	0	0	0	0
019436	PL.23761	C	Consumer	7.45Y	124.1	0.00	1.87	0.09	0	1	0	100	0.00	0.0	0.970	0.000	1	0	1	1
019468	PL.23761	C	Consumer	7.45Y	124.1	0.00	1.87	0.89	0	7	1	99	0.00	0.0	0.970	0.000	7	1	1	1
019452	PL.23761	A	Consumer	7.47Y	124.4	0.00	1.58	0.00	0	0	0	100	0.00	0.0	0.970	0.000	0	0	0	0
PL.6125	PL.19674	A	4/0ACSR	7.47Y	124.4	-0.00	1.58	0.00	0	0	0	100	0.00	0.0	0.958	0.038	0	0	0	0
		B		7.53Y	125.4	0.00	0.56	0.00	0	0	0	100					0	0	0	0
		C		7.45Y	124.1	0.00	1.88	4.01	1	29	5	99					0	0	0	4
018442	PL.6125	A	Consumer	7.47Y	124.4	0.00	1.58	0.00	0	0	0	100	0.00	0.0	0.958	0.000	0	0	0	0
018441	PL.6125	C	Consumer	7.45Y	124.1	0.00	1.88	1.28	0	9	2	98	0.00	0.0	0.958	0.000	9	2	1	1
018497	PL.6125	C	Consumer	7.45Y	124.1	0.00	1.88	0.49	0	4	1	97	0.00	0.0	0.958	0.000	4	1	1	1
PL.6126	PL.6125	A	4/0ACSR	7.47Y	124.4	-0.00	1.58	0.00	0	0	0	100	0.00	0.0	1.013	0.054	0	0	0	0
		B		7.53Y	125.4	0.00	0.56	0.00	0	0	0	100					0	0	0	0
		C		7.45Y	124.1	0.00	1.88	2.24	0	16	3	99					0	0	0	2
PL.23762	PL.6126	A	4/0ACSR	7.47Y	124.4	-0.00	1.58	0.00	0	0	0	100	0.00	0.0	1.041	0.028	0	0	0	0
		B		7.53Y	125.4	0.00	0.56	0.00	0	0	0	100					0	0	0	0
		C		7.45Y	124.1	0.00	1.88	2.24	0	16	3	99					0	0	0	2
0184102	PL.23762	C	Consumer	7.45Y	124.1	0.00	1.88	0.89	0	7	1	99	0.00	0.0	1.041	0.000	7	1	1	1
0184100	PL.23762	C	Consumer	7.45Y	124.1	0.00	1.88	1.35	0	10	2	98	0.00	0.0	1.041	0.000	10	2	1	1
018401	PL.19673	C	Consumer	7.45Y	124.1	0.00	1.87	0.00	0	0	0	100	0.00	0.0	0.880	0.000	0	0	0	0
0184107	PL.19673	C	Consumer	7.45Y	124.1	0.00	1.87	0.98	0	7	1	99	0.00	0.0	0.880	0.000	7	1	1	1
018409	PL.19673	C	Consumer	7.45Y	124.1	0.00	1.87	0.21	0	2	0	100	0.00	0.0	0.880	0.000	2	0	1	1
0194113	PL.32841	A	Consumer	7.52Y	125.3	0.00	0.65	1.08	0	8	1	99	0.00	0.0	0.284	0.000	8	1	1	1

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

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	11388	0	0	0	0	0	174	0.00	11561
KVAR	2647	0	-1293	-15	0	0	306		1646

Lowest Voltage	Highest Accumulated Voltage Drop	Highest Element Voltage Drop
A-Phase -> 121.90 volts on PL.12964	4.10 volts on PL.12964	0.66 volts on PL.10954
B-Phase -> 123.83 volts on PL.33761	2.17 volts on PL.33761	0.29 volts on PL.12377
C-Phase -> 121.03 volts on PL.30992	4.97 volts on PL.30992	0.78 volts on PL.12377

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
FRENCHBURG		A	FRENCHBURG	7.56Y	126.0	0.00	0.00	646.54	0	4793	959	98	0.00	0.0	0.000	0.000	0	0	0	1050
		B		7.56Y	126.0	0.00	0.00	542.32	0	3982	976	97					0	0	0	702
		C		7.56Y	126.0	0.00	0.00	453.76	0	3357	706	98					0	0	0	526
PL.29091	FRENCHBURG	A	1/0CU	7.56Y	126.0	0.01	0.01	157.63	36	1185	127	99	0.38	0.0	0.008	0.008	0	0	0	200
		B		7.56Y	126.0	0.02	0.02	192.02	44	1377	459	95					0	0	0	168
		C		7.56Y	126.0	0.01	0.01	134.58	31	993	221	98					0	0	0	136
PL.32860	PL.29091	A	1/0CU	7.56Y	126.0	0.00	0.02	157.63	36	1185	127	99	0.09	0.0	0.010	0.002	0	0	0	200
		B		7.56Y	126.0	0.01	0.03	192.02	44	1377	459	95					0	0	0	168
		C		7.56Y	126.0	0.00	0.01	134.58	31	993	221	98					0	0	0	136
---------- Feeder No. 3 (FRNBURG3) Beginning with Device PD.3891 ----------																				
PD.3891	PL.32860	A	VWVE	7.56Y	126.0	0.00	0.02	157.63	0	1185	127	99	0.00	0.0	0.010	0.000	0	0	0	200
		B		7.56Y	126.0	0.00	0.03	192.02	0	1377	459	95					0	0	0	168
		C		7.56Y	126.0	0.00	0.01	134.58	0	993	221	98					0	0	0	136
PL.32861	PD.3891	A	1/0CU	7.56Y	126.0	0.02	0.03	157.63	36	1185	127	99	0.43	0.0	0.020	0.010	0	0	0	200
		B		7.56Y	125.9	0.03	0.05	192.02	44	1377	459	95					0	0	0	168
		C		7.56Y	126.0	0.01	0.03	134.58	31	993	221	98					0	0	0	136
032485	PL.32861	C	Consumer	7.56Y	126.0	0.00	0.03	0.90	0	7	1	99	0.00	0.0	0.020	0.000	7	1	1	1
032484	PL.32861	C	Consumer	7.56Y	126.0	0.00	0.03	0.73	0	5	1	98	0.00	0.0	0.020	0.000	5	1	1	1
0324102	032484	C	Consumer	7.56Y	126.0	0.00	0.03	0.00	0	0	0	100	0.00	0.0	0.020	0.000	0	0	0	0
PL.27279	PL.32861	A	1/0CU	7.56Y	126.0	0.01	0.04	157.63	36	1185	126	99	0.25	0.0	0.025	0.005	0	0	0	200
		B		7.56Y	125.9	0.01	0.07	192.02	44	1377	459	95					0	0	0	168
		C		7.56Y	126.0	0.01	0.03	132.95	31	981	219	98					0	0	0	134
PL.27280	PL.27279	A	1/0CU	7.56Y	125.9	0.02	0.07	157.63	36	1185	126	99	0.63	0.0	0.039	0.014	0	0	0	200
		B		7.55Y	125.9	0.04	0.10	192.02	44	1377	458	95					0	0	0	168
		C		7.56Y	125.9	0.02	0.05	132.95	31	981	219	98					0	0	0	134
032417	PL.27280	A	Consumer	7.56Y	125.9	0.00	0.07	0.00	0	0	0	100	0.00	0.0	0.039	0.000	0	0	0	0
PL.9656	PL.27280	A	1/0CU	7.55Y	125.8	0.10	0.17	157.63	36	1184	126	99	2.58	0.1	0.097	0.058	0	0	0	200
		B		7.54Y	125.7	0.15	0.26	192.02	44	1376	458	95					0	0	0	168
		C		7.55Y	125.9	0.08	0.13	132.95	31	981	218	98					0	0	0	134
PL.19752	PL.9656	A	1/0CU	7.54Y	125.7	0.15	0.31	157.63	36	1184	125	99	3.77	0.1	0.182	0.085	0	0	0	200
		B		7.53Y	125.5	0.22	0.48	192.02	44	1375	456	95					0	0	0	168
		C		7.55Y	125.8	0.11	0.24	131.50	30	970	213	98					0	0	0	129
032407	PL.19752	B	Consumer	7.53Y	125.5	0.00	0.48	0.69	0	5	1	98	0.00	0.0	0.182	0.000	5	1	1	1
0324104	PL.19752	B	Consumer	7.53Y	125.5	0.00	0.48	0.00	0	0	0	100	0.00	0.0	0.182	0.000	0	0	0	0
032420	PL.19752	B	Consumer	7.53Y	125.5	0.00	0.48	0.19	0	1	0	100	0.00	0.0	0.182	0.000	1	0	1	1
PL.19753	PL.19752	A	1/0CU	7.53Y	125.5	0.15	0.47	157.63	36	1182	124	99	4.00	0.1	0.272	0.090	0	0	0	200
		B		7.52Y	125.3	0.24	0.72	191.15	44	1366	453	95					0	0	0	166
		C		7.54Y	125.6	0.12	0.36	131.50	30	969	212	98					0	0	0	129
PL.45287	PL.19753	A	2ACSR	7.53Y	125.5	0.01	0.48	2.54	1	19	3	99	0.00	0.0	0.427	0.156	0	0	0	7
PL.19440	PL.45287	A	4ACSR	7.53Y	125.5	0.00	0.48	2.00	1	15	2	99	0.00	0.0	0.429	0.002	0	0	0	5
PL.23851	PL.19440	A	4ACSR	7.53Y	125.5	0.00	0.48	2.00	1	15	2	99	0.00	0.0	0.458	0.028	0	0	0	5
033474	PL.23851	A	Consumer	7.53Y	125.5	0.00	0.48	0.06	0	0	0	100	0.00	0.0	0.458	0.000	0	0	1	1
033471	PL.23851	A	Consumer	7.53Y	125.5	0.00	0.48	0.48	0	4	1	97	0.00	0.0	0.458	0.000	4	1	1	1
033472	PL.23851	A	Consumer	7.53Y	125.5	0.00	0.48	0.34	0	3	0	100	0.00	0.0	0.458	0.000	3	0	1	1
033470	PL.23851	A	Consumer	7.53Y	125.5	0.00	0.48	0.62	0	5	1	98	0.00	0.0	0.458	0.000	5	1	1	1
033473	PL.23851	A	Consumer	7.53Y	125.5	0.00	0.48	0.50	0	4	1	97	0.00	0.0	0.458	0.000	4	1	1	1
032452	PL.45287	A	Consumer	7.53Y	125.5	0.00	0.48	0.36	0	3	0	100	0.00	0.0	0.427	0.000	3	0	1	1
032460	PL.45287	A	Consumer	7.53Y	125.5	0.00	0.48	0.18	0	1	0	100	0.00	0.0	0.427	0.000	1	0	1	1

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
0324106	PL.45287	A	Consumer	7.53Y	125.5	0.00	0.48	0.00	0	0	0	100	0.00	0.0	0.427	0.000	0	0	0	0	
PL.43487	PL.19753	C	4ACSR	7.54Y	125.6	0.00	0.36	0.00	0	0	0	100	0.00	0.0	0.277	0.005	0	0	0	0	
PD.8272	PL.43487	C	fuse6AMP	7.54Y	125.6	0.00	0.36	0.00	0	0	0	100	0.00	0.0	0.277	0.000	0	0	0	0	
PL.45286	PL.19753	A	6ACWC	7.53Y	125.5	0.01	0.47	0.86	0	6	2	95	0.00	0.0	0.443	0.171	0	0	0	2	
032466	PL.45286	A	Consumer	7.53Y	125.5	0.00	0.47	0.27	0	2	0	100	0.00	0.0	0.443	0.000	2	0	1	1	
032465	PL.45286	A	Consumer	7.53Y	125.5	0.00	0.47	0.60	0	4	2	89	0.00	0.0	0.443	0.000	4	2	1	1	
PL.45288	PL.19753	A	336ACSR	7.53Y	125.5	0.04	0.51	154.26	21	1156	117	99	0.98	0.0	0.318	0.046	0	0	0	191	
		B		7.51Y	125.2	0.08	0.80	191.15	26	1365	450	95					0	0	0	166	
		C		7.54Y	125.6	0.03	0.39	131.50	18	969	210	98					0	0	0	129	
PL.45289	PL.45288	A	336ACSR	7.52Y	125.3	0.14	0.65	154.26	21	1156	116	100	3.36	0.1	0.475	0.157	0	0	0	191	
		B		7.50Y	124.9	0.26	1.05	191.15	26	1364	449	95					0	0	0	166	
		C		7.53Y	125.5	0.10	0.49	131.50	18	969	210	98					0	0	0	129	
PL.19206	PL.45289	A	1/0CU	7.52Y	125.3	0.07	0.72	154.26	36	1154	114	100	1.83	0.1	0.517	0.042	0	0	0	191	
		B		7.49Y	124.8	0.11	1.16	190.96	44	1361	445	95					0	0	0	165	
		C		7.53Y	125.5	0.05	0.54	129.96	30	957	206	98					0	0	0	127	
033423	PL.19206	C	Consumer	7.53Y	125.5	0.00	0.54	0.69	0	5	1	98	0.00	0.0	0.517	0.000	5	1	1	1	
033417	PL.19206	C	Consumer	7.53Y	125.5	0.00	0.54	0.35	0	3	0	100	0.00	0.0	0.517	0.000	3	0	1	1	
PL.27875	PL.19206	A	1/0CU	7.51Y	125.2	0.09	0.82	154.26	36	1154	114	100	2.40	0.1	0.573	0.055	0	0	0	191	
		B		7.48Y	124.7	0.15	1.31	190.96	44	1360	443	95					0	0	0	165	
		C		7.52Y	125.4	0.07	0.61	128.93	30	949	204	98					0	0	0	125	
033411	PL.27875	A	Consumer	7.51Y	125.2	0.00	0.82	0.31	0	2	0	100	0.00	0.0	0.573	0.000	2	0	1	1	
033403	PL.27875	A	Consumer	7.51Y	125.2	0.00	0.82	1.09	0	8	1	99	0.00	0.0	0.573	0.000	8	1	1	1	
033402	PL.27875	C	Consumer	7.52Y	125.4	0.00	0.61	0.00	0	0	0	100	0.00	0.0	0.573	0.000	0	0	0	0	
033492	PL.27875	A	Consumer	7.51Y	125.2	0.00	0.82	0.62	0	5	1	98	0.00	0.0	0.573	0.000	5	1	1	1	
033414	PL.27875	A	Consumer	7.51Y	125.2	0.00	0.82	0.21	0	2	0	100	0.00	0.0	0.573	0.000	2	0	1	1	
033493	PL.27875	A	Consumer	7.51Y	125.2	0.00	0.82	0.76	0	6	1	99	0.00	0.0	0.573	0.000	6	1	1	1	
PL.27876	PL.27875	A	1/0CU	7.50Y	125.1	0.13	0.95	151.28	35	1131	109	100	3.45	0.1	0.653	0.080	0	0	0	186	
		B		7.47Y	124.5	0.21	1.52	190.96	44	1359	442	95					0	0	0	165	
		C		7.52Y	125.3	0.10	0.71	128.93	30	948	204	98					0	0	0	125	
PL.24650	PL.27876	A	1/0CU	7.50Y	125.0	0.03	0.98	141.09	33	1054	96	100	0.93	0.0	0.675	0.022	0	0	0	173	
		B		7.46Y	124.4	0.06	1.59	190.96	44	1357	439	95					0	0	0	165	
		C		7.52Y	125.3	0.03	0.73	128.93	30	948	203	98					0	0	0	125	
033422	PL.24650	A	Consumer	7.50Y	125.0	0.00	0.98	2.85	0	19	9	90	0.00	0.0	0.675	0.000	19	9	1	1	
PL.24654	PL.24650	A	1/0CU	7.50Y	125.0	0.04	1.02	138.43	32	1035	86	100	1.04	0.0	0.701	0.025	0	0	0	172	
		B		7.46Y	124.3	0.07	1.66	190.96	44	1356	439	95					0	0	0	165	
		C		7.51Y	125.2	0.03	0.76	128.93	30	948	202	98					0	0	0	125	
PL.24655	PL.24654	A	1/0CU	7.49Y	124.9	0.13	1.14	138.43	32	1035	86	100	3.64	0.1	0.792	0.092	0	0	0	172	
		B		7.45Y	124.1	0.25	1.90	185.46	43	1315	431	95					0	0	0	161	
		C		7.51Y	125.1	0.11	0.88	128.93	30	947	202	98					0	0	0	125	
PL.26213	PL.24655	A	1/0CU	7.49Y	124.8	0.06	1.20	138.43	32	1034	85	100	1.59	0.0	0.832	0.040	0	0	0	172	
		B		7.44Y	124.0	0.11	2.01	184.21	43	1304	426	95					0	0	0	157	
		C		7.50Y	125.1	0.05	0.93	128.93	30	947	201	98					0	0	0	125	
PL.26214	PL.26213	A	1/0CU	7.48Y	124.7	0.06	1.26	138.43	32	1033	84	100	1.62	0.0	0.873	0.041	0	0	0	172	
		B		7.43Y	123.9	0.11	2.12	184.21	43	1303	425	95					0	0	0	157	
		C		7.50Y	125.0	0.05	0.98	128.93	30	947	200	98					0	0	0	125	
PL.19861	PL.26214	A	1/0CU	7.48Y	124.7	0.00	1.26	138.30	32	1032	84	100	0.11	0.0	0.876	0.003	0	0	0	171	
		B		7.43Y	123.9	0.01	2.12	184.21	43	1302	424	95					0	0	0	157	
		C		7.50Y	125.0	0.00	0.98	128.88	30	946	200	98					0	0	0	124	
P CP.3	PL.19861	A	Cap (300)	7.48Y	124.7	0.00	1.26	-28.87	0	0	-216	0	0.00	0.0	0.876	0.000	0	0	0	0	P
P		C		7.50Y	125.0	0.00	0.98	-14.47	0	0	-109	0					0	0	0	0	P

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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.19912	PL.19861	A	1/0CU	7.48Y	124.7	0.09	1.35	143.55	33	1032	300	96	1.88	0.1	0.922	0.046	0	0	0	171
		B		7.43Y	123.8	0.12	2.24	184.21	43	1302	424	95					0	0	0	157
		C		7.50Y	125.0	0.06	1.04	132.63	31	946	308	95					0	0	0	124
PL.7383	PL.19912	A	1/0CU	7.48Y	124.7	0.00	1.35	0.00	0	0	0	100	0.00	0.0	0.931	0.009	0	0	0	0
		B		7.43Y	123.8	0.00	2.24	0.00	0	0	0	100					0	0	0	0
		C		7.50Y	125.0	0.00	1.04	0.00	0	0	0	100					0	0	0	0
PL.27829	PL.19912	A	1/0CU	7.47Y	124.5	0.11	1.46	141.53	33	1016	297	96	2.33	0.1	0.980	0.058	0	0	0	169
		B		7.42Y	123.6	0.15	2.39	184.21	43	1301	422	95					0	0	0	157
		C		7.49Y	124.9	0.08	1.12	132.17	31	942	307	95					0	0	0	122
PL.38067	PL.27829	A	2ACSR	7.47Y	124.5	-0.00	1.46	0.01	0	0	0	100	0.00	0.0	1.002	0.023	0	0	0	1
5408018	PL.38067	A	Consumer	7.47Y	124.5	0.00	1.46	0.01	0	0	0	100	0.00	0.0	1.002	0.000	0	0	1	1
540817	PL.27829	C	Consumer	7.49Y	124.9	0.00	1.12	0.00	0	0	0	100	0.00	0.0	0.980	0.000	0	0	0	0
540809	PL.27829	C	Consumer	7.49Y	124.9	0.00	1.12	0.44	0	3	1	95	0.00	0.0	0.980	0.000	3	1	1	1
PL.27830	PL.27829	A	1/0CU	7.47Y	124.5	0.06	1.52	141.52	33	1015	296	96	1.36	0.0	1.014	0.034	0	0	0	168
		B		7.41Y	123.5	0.09	2.47	184.21	43	1300	421	95					0	0	0	157
		C		7.49Y	124.8	0.04	1.16	131.73	30	938	306	95					0	0	0	121
PL.26215	PL.27830	A	1/0CU	7.46Y	124.4	0.08	1.60	140.76	33	1009	295	96	1.59	0.0	1.053	0.040	0	0	0	165
		B		7.41Y	123.4	0.10	2.57	182.47	42	1286	418	95					0	0	0	154
		C		7.49Y	124.8	0.05	1.22	131.73	30	938	305	95					0	0	0	121
PL.18701	PL.26215	A	1/0CU	7.46Y	124.3	0.07	1.67	139.76	32	1001	293	96	1.54	0.0	1.092	0.039	0	0	0	161
		B		7.40Y	123.3	0.10	2.67	182.47	42	1285	417	95					0	0	0	154
		C		7.48Y	124.7	0.05	1.27	131.73	30	938	305	95					0	0	0	121
541708	PL.18701	A	Consumer	7.46Y	124.3	0.00	1.67	0.06	0	0	0	100	0.00	0.0	1.092	0.000	0	0	1	1
PL.18702	PL.18701	A	1/0CU	7.46Y	124.3	0.06	1.74	139.70	32	1000	292	96	1.35	0.0	1.126	0.034	0	0	0	160
		B		7.39Y	123.2	0.09	2.76	182.47	42	1285	415	95					0	0	0	154
		C		7.48Y	124.7	0.04	1.31	131.73	30	938	304	95					0	0	0	121
PL.11267	PL.18702	A	1/0CU	7.45Y	124.2	0.10	1.84	138.21	32	990	287	96	2.13	0.1	1.180	0.054	0	0	0	155
		B		7.39Y	123.1	0.14	2.89	182.47	42	1284	414	95					0	0	0	154
		C		7.48Y	124.6	0.07	1.38	131.73	30	937	304	95					0	0	0	121
PL.3511	PL.11267	A	4ACSR	7.45Y	124.2	0.00	1.84	1.89	1	14	2	99	0.00	0.0	1.217	0.037	0	0	0	4
PL.3514	PL.3511	A	4ACSR	7.45Y	124.2	0.00	1.84	0.00	0	0	0	100	0.00	0.0	1.268	0.051	0	0	0	1
PL.3513	PL.3514	A	4ACSR	7.45Y	124.2	0.00	1.84	0.00	0	0	0	100	0.00	0.0	1.315	0.047	0	0	0	1
PL.3512	PL.3513	A	4ACSR	7.45Y	124.2	0.00	1.84	0.00	0	0	0	100	0.00	0.0	1.369	0.054	0	0	0	1
540601	PL.3512	A	Consumer	7.45Y	124.2	0.00	1.84	0.00	0	0	0	100	0.00	0.0	1.369	0.000	0	0	1	1
541702	PL.3511	A	Consumer	7.45Y	124.2	0.00	1.84	0.31	0	2	0	100	0.00	0.0	1.217	0.000	2	0	1	1
541719	PL.3511	A	Consumer	7.45Y	124.2	0.00	1.84	0.51	0	4	1	97	0.00	0.0	1.217	0.000	4	1	1	1
541717	PL.3511	A	Consumer	7.45Y	124.2	0.00	1.84	1.07	0	8	1	99	0.00	0.0	1.217	0.000	8	1	1	1
541716	PL.11267	C	Consumer	7.48Y	124.6	0.00	1.38	0.94	0	6	3	89	0.00	0.0	1.180	0.000	6	3	1	1
542701	PL.11267	A	Consumer	7.45Y	124.2	0.00	1.84	0.23	0	2	0	100	0.00	0.0	1.180	0.000	2	0	1	1
		C		7.48Y	124.6	0.00	1.38	0.23	0	2	0	99					2	0	1	1
542704	PL.11267	A	Consumer	7.45Y	124.2	0.00	1.84	0.12	0	1	0	100	0.00	0.0	1.180	0.000	1	0	1	1
		C		7.48Y	124.6	0.00	1.38	0.12	0	1	0	99					1	0	1	1
541703	PL.11267	A	Consumer	7.45Y	124.2	0.00	1.84	0.48	0	3	2	83	0.00	0.0	1.180	0.000	3	2	1	1
		C		7.48Y	124.6	0.00	1.38	0.48	0	3	2	90					3	2	1	1
542702	PL.11267	A	Consumer	7.45Y	124.2	0.00	1.84	0.28	0	2	0	100	0.00	0.0	1.180	0.000	2	0	1	1
		C		7.48Y	124.6	0.00	1.38	0.28	0	2	0	99					2	0	1	1
PL.11268	PL.11267	A	1/0CU	7.45Y	124.1	0.05	1.88	135.24	31	967	281	96	0.97	0.0	1.205	0.025	0	0	0	149
		B		7.38Y	123.0	0.06	2.96	182.47	42	1283	413	95					0	0	0	154
		C		7.48Y	124.6	0.03	1.41	129.71	30	923	298	95					0	0	0	118

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
542601	PL.11268	A	Consumer	7.45Y	124.1	0.00	1.88	0.60	0	4	1	97	0.00	0.0	1.205	0.000	4	1	1	1	
PL.11269	PL.11268	A	1/0CU	7.44Y	124.0	0.11	1.99	134.64	31	963	280	96	2.41	0.1	1.267	0.062	0	0	0	148	
		B		7.37Y	122.9	0.16	3.12	182.47	42	1282	412	95					0	0	0	154	
		C		7.47Y	124.5	0.08	1.49	129.71	30	923	298	95					0	0	0	118	
PL.11270	PL.11269	A	1/0CU	7.44Y	123.9	0.06	2.06	120.11	28	855	260	96	1.42	0.0	1.307	0.039	0	0	0	118	
		B		7.37Y	122.8	0.10	3.22	178.46	41	1253	403	95					0	0	0	146	
		C		7.47Y	124.5	0.05	1.54	129.71	30	922	297	95					0	0	0	118	
542613	PL.11270	C	Consumer	7.47Y	124.5	0.00	1.54	1.09	0	8	1	99	0.00	0.0	1.307	0.000	8	1	1	1	
543602	PL.11270	C	Consumer	7.47Y	124.5	0.00	1.54	0.07	0	1	0	100	0.00	0.0	1.307	0.000	1	0	1	1	
542614	PL.11270	C	Consumer	7.47Y	124.5	0.00	1.54	0.34	0	2	0	100	0.00	0.0	1.307	0.000	2	0	1	1	
543601	PL.11270	C	Consumer	7.47Y	124.5	0.00	1.54	0.66	0	5	1	98	0.00	0.0	1.307	0.000	5	1	1	1	
543611	PL.11270	C	Consumer	7.47Y	124.5	0.00	1.54	0.70	0	5	1	98	0.00	0.0	1.307	0.000	5	1	1	1	
542609	PL.11270	C	Consumer	7.47Y	124.5	0.00	1.54	0.36	0	3	0	100	0.00	0.0	1.307	0.000	3	0	1	1	
542606	PL.11270	C	Consumer	7.47Y	124.5	0.00	1.54	0.23	0	2	0	100	0.00	0.0	1.307	0.000	2	0	1	1	
543608	PL.11270	C	Consumer	7.47Y	124.5	0.00	1.54	0.00	0	0	0	100	0.00	0.0	1.307	0.000	0	0	0	0	
542610	PL.11270	C	Consumer	7.47Y	124.5	0.00	1.54	0.36	0	3	0	100	0.00	0.0	1.307	0.000	3	0	1	1	
PL.7379	PL.11270	A	1/0CU	7.43Y	123.9	0.05	2.11	120.11	28	855	260	96	1.14	0.0	1.339	0.032	0	0	0	118	
		B		7.36Y	122.7	0.08	3.30	178.46	41	1252	402	95					0	0	0	146	
		C		7.47Y	124.4	0.04	1.58	125.95	29	894	292	95					0	0	0	110	
PL.11271	PL.7379	A	1/0CU	7.43Y	123.8	0.12	2.23	118.57	27	843	258	96	2.73	0.1	1.416	0.077	0	0	0	115	
		B		7.35Y	122.5	0.20	3.50	178.46	41	1251	401	95					0	0	0	146	
		C		7.46Y	124.3	0.09	1.67	125.95	29	894	292	95					0	0	0	110	
PL.42932	PL.11271	A	1/0CU	7.42Y	123.7	0.06	2.29	116.06	27	824	254	96	1.48	0.1	1.459	0.042	0	0	0	108	
		B		7.34Y	122.4	0.11	3.62	178.46	41	1250	399	95					0	0	0	146	
		C		7.46Y	124.3	0.05	1.72	125.95	29	893	291	95					0	0	0	110	
PD.8186-A	PL.42932	A	Closed	7.42Y	123.7	0.00	2.29	116.06	0	823	254	96	0.00	0.0	1.459	0.000	0	0	0	108	
		B		7.34Y	122.4	0.00	3.62	178.46	0	1249	398	95					0	0	0	146	
		C		7.46Y	124.3	0.00	1.72	125.95	0	893	290	95					0	0	0	110	
PD.8186-B	PD.8186-A	A	Closed	7.42Y	123.7	0.00	2.29	116.06	0	823	254	96	0.00	0.0	1.459	0.000	0	0	0	108	
		B		7.34Y	122.4	0.00	3.62	178.46	0	1249	398	95					0	0	0	146	
		C		7.46Y	124.3	0.00	1.72	125.95	0	893	290	95					0	0	0	110	
PL.42933	PD.8186-B	A	1/0CU	7.42Y	123.7	0.04	2.33	116.06	27	823	254	96	0.87	0.0	1.483	0.025	0	0	0	108	
		B		7.34Y	122.3	0.07	3.68	178.46	41	1249	398	95					0	0	0	146	
		C		7.46Y	124.3	0.03	1.75	125.95	29	893	290	95					0	0	0	110	
C PD.2828	PL.42933	A	fuse6AMP	7.42Y	123.7	0.00	2.33	116.06	1983	823	254	96	0.00	0.0	1.483	0.000	0	0	0	108	C
C		B		7.34Y	122.3	0.00	3.68	178.46	3048	1248	397	95					0	0	0	146	C
C		C		7.46Y	124.3	0.00	1.75	125.95	2151	893	290	95					0	0	0	110	C
PL.18025	PD.2828	A	1/0CU	7.42Y	123.7	0.01	2.34	116.06	27	823	254	96	0.14	0.0	1.487	0.004	0	0	0	108	
		B		7.34Y	122.3	0.01	3.69	178.46	41	1248	397	95					0	0	0	146	
		C		7.45Y	124.2	0.00	1.75	125.95	29	893	290	95					0	0	0	110	
PL.7378	PL.18025	A	2ACSR	7.41Y	123.5	0.16	2.50	115.72	46	820	253	96	4.38	0.1	1.540	0.053	0	0	0	107	
C		B		7.32Y	122.0	0.27	3.96	178.46	70	1248	397	95					0	0	0	146	C
		C		7.45Y	124.1	0.14	1.89	123.16	48	872	286	95					0	0	0	101	
544514	PL.7378	C	Consumer	7.45Y	124.1	0.00	1.89	0.01	0	0	0	100	0.00	0.0	1.540	0.000	0	0	1	1	
PL.11274	PL.7378	A	2ACSR	7.40Y	123.4	0.12	2.62	115.72	46	819	253	96	3.23	0.1	1.579	0.039	0	0	0	107	
C		B		7.31Y	121.8	0.20	4.15	178.46	70	1246	395	95					0	0	0	146	C
		C		7.44Y	124.0	0.10	2.00	123.16	48	871	286	95					0	0	0	100	
PL.20124	PL.11274	A	2ACSR	7.40Y	123.3	0.10	2.72	115.07	45	814	250	96	2.60	0.1	1.610	0.032	0	0	0	107	
C		B		7.30Y	121.7	0.16	4.31	177.80	70	1239	392	95					0	0	0	146	C
		C		7.44Y	123.9	0.08	2.08	121.99	48	863	282	95					0	0	0	96	

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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.188-A	PL.20124	A	Closed	7.40Y	123.3	0.00	2.72	115.07	0	814	250	96	0.00	0.0	1.610	0.000	0	0	0	107
		B		7.30Y	121.7	0.00	4.31	177.80	0	1238	391	95					0	0	0	146
		C		7.44Y	123.9	0.00	2.08	121.99	0	862	282	95					0	0	0	96
PD.188-B	PD.188-A	A	Closed	7.40Y	123.3	0.00	2.72	115.07	0	814	250	96	0.00	0.0	1.610	0.000	0	0	0	107
		B		7.30Y	121.7	0.00	4.31	177.80	0	1238	391	95					0	0	0	146
		C		7.44Y	123.9	0.00	2.08	121.99	0	862	282	95					0	0	0	96
PL.20125	PD.188-B	A	2ACSR	7.39Y	123.2	0.05	2.77	115.07	45	814	250	96	1.25	0.0	1.626	0.015	0	0	0	107
C		B		7.30Y	121.6	0.08	4.39	177.80	70	1238	391	95					0	0	0	146 C
		C		7.43Y	123.9	0.04	2.12	121.99	48	862	282	95					0	0	0	96
PL.11276	PL.20125	A	2ACSR	7.39Y	123.2	0.08	2.85	111.62	44	790	239	96	2.18	0.1	1.652	0.027	0	0	0	106
C		B		7.29Y	121.5	0.14	4.52	177.60	70	1236	390	95					0	0	0	145 C
		C		7.43Y	123.8	0.07	2.19	121.92	48	861	282	95					0	0	0	95
545441	PL.11276	A	Consumer	7.39Y	123.2	0.00	2.85	0.00	0	0	0	100	0.00	0.0	1.652	0.000	0	0	0	0
		C		7.43Y	123.8	0.00	2.19	0.00	0	0	0	100					0	0	0	0
544408	PL.11276	A	Consumer	7.39Y	123.2	0.00	2.85	0.27	0	2	1	89	0.00	0.0	1.652	0.000	2	1	1	1
		C		7.43Y	123.8	0.00	2.19	0.27	0	2	1	90					2	1	1	1
545443	PL.11276	A	Consumer	7.39Y	123.2	0.00	2.85	0.00	0	0	0	100	0.00	0.0	1.652	0.000	0	0	0	0
		C		7.43Y	123.8	0.00	2.19	0.00	0	0	0	100					0	0	0	0
545439	PL.11276	A	Consumer	7.39Y	123.2	0.00	2.85	3.16	0	20	12	86	0.00	0.0	1.652	0.000	20	12	0	0
		B		7.29Y	121.5	0.00	4.52	3.20	0	20	12	85					20	12	0	0
		C		7.43Y	123.8	0.00	2.19	3.14	0	20	12	85					20	12	0	0
544402	PL.11276	A	Consumer	7.39Y	123.2	0.00	2.85	0.36	0	2	1	89	0.00	0.0	1.652	0.000	2	1	1	1
		C		7.43Y	123.8	0.00	2.19	0.35	0	2	1	90					2	1	1	1
545438	PL.11276	A	Consumer	7.39Y	123.2	0.00	2.85	0.73	0	5	2	93	0.00	0.0	1.652	0.000	5	2	1	1
		C		7.43Y	123.8	0.00	2.19	0.72	0	5	2	90					5	2	1	1
545444	PL.11276	A	Consumer	7.39Y	123.2	0.00	2.85	0.00	0	0	0	100	0.00	0.0	1.652	0.000	0	0	0	0
		C		7.43Y	123.8	0.00	2.19	0.00	0	0	0	100					0	0	0	0
545413	PL.11276	A	Consumer	7.39Y	123.2	0.00	2.85	0.00	0	0	0	100	0.00	0.0	1.652	0.000	0	0	0	0
		C		7.43Y	123.8	0.00	2.19	0.00	0	0	0	100					0	0	0	0
545440	PL.11276	A	Consumer	7.39Y	123.2	0.00	2.85	0.00	0	0	0	100	0.00	0.0	1.652	0.000	0	0	0	0
		C		7.43Y	123.8	0.00	2.19	0.00	0	0	0	100					0	0	0	0
545442	PL.11276	A	Consumer	7.39Y	123.2	0.00	2.85	0.00	0	0	0	100	0.00	0.0	1.652	0.000	0	0	0	0
		C		7.43Y	123.8	0.00	2.19	0.00	0	0	0	100					0	0	0	0
544407	PL.11276	A	Consumer	7.39Y	123.2	0.00	2.85	0.65	0	5	1	98	0.00	0.0	1.652	0.000	5	1	1	1
		C		7.43Y	123.8	0.00	2.19	0.65	0	5	1	99					5	1	1	1
545436	PL.11276	A	Consumer	7.39Y	123.2	0.00	2.85	0.31	0	2	1	89	0.00	0.0	1.652	0.000	2	1	1	1
		C		7.43Y	123.8	0.00	2.19	0.31	0	2	1	90					2	1	1	1
545445	PL.11276	A	Consumer	7.39Y	123.2	0.00	2.85	0.00	0	0	0	100	0.00	0.0	1.652	0.000	0	0	0	0
		C		7.43Y	123.8	0.00	2.19	0.00	0	0	0	100					0	0	0	0
545404	PL.11276	A	Consumer	7.39Y	123.2	0.00	2.85	0.52	0	4	1	97	0.00	0.0	1.652	0.000	4	1	1	1
		C		7.43Y	123.8	0.00	2.19	0.52	0	4	1	99					4	1	1	1
PL.11277	PL.11276	A	2ACSR	7.38Y	123.1	0.09	2.94	105.76	42	750	219	96	2.49	0.1	1.685	0.033	0	0	0	102
C		B		7.28Y	121.3	0.16	4.69	174.50	69	1215	377	96					0	0	0	144 C
		C		7.42Y	123.7	0.08	2.28	116.07	46	821	262	95					0	0	0	91
PL.3526	PL.11277	C	4ACSR	7.42Y	123.7	0.00	2.28	0.00	0	0	0	100	0.00	0.0	1.727	0.042	0	0	0	0
PL.11275	PL.11277	A	2ACSR	7.38Y	123.0	0.02	2.96	105.76	42	750	219	96	0.63	0.0	1.694	0.008	0	0	0	102
C		B		7.28Y	121.3	0.04	4.73	174.50	69	1213	376	96					0	0	0	144 C
		C		7.42Y	123.7	0.02	2.30	116.07	46	821	262	95					0	0	0	91
545403	PL.11275	B	Consumer	7.28Y	121.3	0.00	4.73	0.37	0	3	0	100	0.00	0.0	1.694	0.000	3	0	1	1
PL.25739	PL.11275	A	2ACSR	7.38Y	123.0	0.03	3.00	105.76	42	749	219	96	0.89	0.0	1.705	0.012	0	0	0	102
C		B		7.27Y	121.2	0.06	4.79	174.13	69	1210	375	96					0	0	0	143 C
		C		7.42Y	123.7	0.03	2.33	116.07	46	821	262	95					0	0	0	91

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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.42936	PL.25739	A	4ACSR	7.38Y	123.0	0.00	3.00	1.79	1	12	6	89	0.00	0.0	1.707	0.002	0	0	0	2
		B		7.27Y	121.2	0.00	4.79	1.82	1	12	6	90					0	0	0	2
PD.8188	PL.42936	A	fuse8AMP	7.38Y	123.0	0.00	3.00	1.79	25	12	6	89	0.00	0.0	1.707	0.000	0	0	0	2
		B		7.27Y	121.2	0.00	4.79	1.82	25	12	6	90					0	0	0	2
PL.42937	PD.8188	A	4ACSR	7.38Y	123.0	0.00	3.00	1.79	1	12	6	89	0.00	0.0	1.723	0.016	0	0	0	2
		B		7.27Y	121.2	0.00	4.79	1.82	1	12	6	90					0	0	0	2
545427	PL.42937	A	Consumer	7.38Y	123.0	0.00	3.00	0.39	0	3	1	95	0.00	0.0	1.723	0.000	3	1	1	1
		B		7.27Y	121.2	0.00	4.79	0.39	0	3	1	90					3	1	1	1
545425	PL.42937	A	Consumer	7.38Y	123.0	0.00	3.00	0.13	0	1	0	100	0.00	0.0	1.723	0.000	1	0	1	1
		B		7.27Y	121.2	0.00	4.79	0.13	0	1	0	90					1	0	1	1
545426	PL.42937	A	Consumer	7.38Y	123.0	0.00	3.00	1.28	0	8	4	89	0.00	0.0	1.723	0.000	8	4	1	1
		B		7.27Y	121.2	0.00	4.79	1.30	0	8	4	90					8	4	1	1
PL.42934	PL.25739	A	2ACSR	7.38Y	123.0	0.00	3.00	0.03	0	0	0	100	0.00	0.0	1.709	0.003	0	0	0	0
		B		7.27Y	121.2	0.00	4.79	0.53	0	3	2	91					0	0	0	1
		C		7.42Y	123.7	-0.00	2.33	0.03	0	0	0	99					0	0	0	0
PD.8187	PL.42934	A	fuse8AMP	7.38Y	123.0	0.00	3.00	0.03	0	0	0	100	0.00	0.0	1.709	0.000	0	0	0	0
		B		7.27Y	121.2	0.00	4.79	0.53	7	3	2	91					0	0	0	1
		C		7.42Y	123.7	0.00	2.33	0.03	0	0	0	99					0	0	0	0
PL.42935	PD.8187	A	2ACSR	7.38Y	123.0	0.00	3.00	0.03	0	0	0	100	0.00	0.0	1.735	0.026	0	0	0	0
		B		7.27Y	121.2	0.00	4.79	0.53	0	3	2	91					0	0	0	1
		C		7.42Y	123.7	-0.00	2.32	0.03	0	0	0	99					0	0	0	0
PL.41334	PL.42935	B	4ACSR	7.27Y	121.2	0.00	4.79	0.50	0	3	2	83	0.00	0.0	1.759	0.024	0	0	0	1
544410	PL.41334	B	Consumer	7.27Y	121.2	0.00	4.79	0.50	0	3	2	83	0.00	0.0	1.759	0.000	3	2	1	1
545401	PL.42935	A	Consumer	7.38Y	123.0	0.00	3.00	0.03	0	0	0	100	0.00	0.0	1.735	0.000	0	0	0	0
		B		7.27Y	121.2	0.00	4.79	0.03	0	0	0	99					0	0	0	0
		C		7.42Y	123.7	0.00	2.32	0.03	0	0	0	99					0	0	0	0
PL.25740	PL.25739	A	2ACSR	7.37Y	122.9	0.15	3.15	103.96	41	737	213	96	3.94	0.1	1.759	0.054	0	0	0	101
C		B		7.26Y	121.0	0.26	5.05	170.62	67	1186	366	96					0	0	0	139 C
		C		7.41Y	123.5	0.13	2.46	115.13	45	814	259	95					0	0	0	89
545311	PL.25740	B	Consumer	7.26Y	121.0	0.00	5.05	2.00	0	13	6	91	0.00	0.0	1.759	0.000	13	6	1	1
545314	PL.25740	B	Consumer	7.26Y	121.0	0.00	5.05	0.00	0	0	0	100	0.00	0.0	1.759	0.000	0	0	0	0
545315	PL.25740	B	Consumer	7.26Y	121.0	0.00	5.05	0.00	0	0	0	100	0.00	0.0	1.759	0.000	0	0	0	0
544311	PL.25740	B	Consumer	7.26Y	121.0	0.00	5.05	0.52	0	4	1	97	0.00	0.0	1.759	0.000	4	1	1	1
PL.42938	PL.25740	A	4ACSR	7.37Y	122.9	0.00	3.15	3.24	2	22	8	94	0.00	0.0	1.764	0.005	0	0	0	8
		C		7.41Y	123.5	0.00	2.46	5.21	3	37	11	96					0	0	0	7
PD.8189	PL.42938	A	fuse8AMP	7.37Y	122.9	0.00	3.15	3.24	44	22	8	94	0.00	0.0	1.764	0.000	0	0	0	8
		C		7.41Y	123.5	0.00	2.46	5.21	71	37	11	96					0	0	0	7
PL.42939	PD.8189	A	4ACSR	7.37Y	122.9	0.00	3.15	3.24	2	22	8	94	0.00	0.0	1.798	0.034	0	0	0	8
		C		7.41Y	123.5	0.01	2.47	5.21	3	37	11	96					0	0	0	7
PL.3523	PL.42939	A	4ACSR	7.37Y	122.8	0.00	3.15	1.14	1	8	1	99	0.00	0.0	1.821	0.023	0	0	0	4
545308	PL.3523	A	Consumer	7.37Y	122.8	0.00	3.15	0.26	0	2	0	100	0.00	0.0	1.821	0.000	2	0	1	1
545312	PL.3523	A	Consumer	7.37Y	122.8	0.00	3.15	0.31	0	2	0	100	0.00	0.0	1.821	0.000	2	0	1	1
545303	PL.3523	A	Consumer	7.37Y	122.8	0.00	3.15	0.24	0	2	0	100	0.00	0.0	1.821	0.000	2	0	1	1
545307	PL.3523	A	Consumer	7.37Y	122.8	0.00	3.15	0.33	0	2	0	100	0.00	0.0	1.821	0.000	2	0	1	1
PL.25743	PL.42939	A	4ACSR	7.37Y	122.9	0.00	3.15	2.13	1	14	7	89	0.00	0.0	1.817	0.018	0	0	0	4
		C		7.41Y	123.5	0.00	2.47	5.21	3	37	11	96					0	0	0	7
PL.7376	PL.25743	A	4ACSR	7.37Y	122.8	0.00	3.15	1.27	1	8	4	89	0.00	0.0	1.886	0.069	0	0	0	2
		C		7.41Y	123.5	0.02	2.49	5.21	3	37	11	96					0	0	0	7

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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.3527	PL.7376	A	4ACSR	7.37Y	122.9	-0.00	3.15	0.00	0	0	0	100	0.00	0.0	1.961	0.076	0	0	0	0
		C		7.41Y	123.5	0.01	2.50	3.10	2	22	6	97					0	0	0	3
545512	PL.3527	C	Consumer	7.41Y	123.5	0.00	2.50	0.26	0	2	1	89	0.00	0.0	1.961	0.000	2	1	1	1
545510	PL.3527	C	Consumer	7.41Y	123.5	0.00	2.50	0.70	0	5	2	93	0.00	0.0	1.961	0.000	5	2	1	1
545446	PL.3527	A	Consumer	7.37Y	122.9	0.00	3.15	0.00	0	0	0	100	0.00	0.0	1.961	0.000	0	0	0	0
		C		7.41Y	123.5	0.00	2.50	0.00	0	0	0	100					0	0	0	0
545506	PL.3527	C	Consumer	7.41Y	123.5	0.00	2.50	2.17	0	16	3	98	0.00	0.0	1.961	0.000	16	3	1	1
545422	PL.7376	C	Consumer	7.41Y	123.5	0.00	2.49	0.65	0	5	1	98	0.00	0.0	1.886	0.000	5	1	1	1
545421	PL.7376	C	Consumer	7.41Y	123.5	0.00	2.49	0.01	0	0	0	100	0.00	0.0	1.886	0.000	0	0	1	1
545416	PL.7376	A	Consumer	7.37Y	122.8	0.00	3.15	0.64	0	4	2	89	0.00	0.0	1.886	0.000	4	2	1	1
545435	PL.7376	C	Consumer	7.41Y	123.5	0.00	2.49	0.02	0	0	0	100	0.00	0.0	1.886	0.000	0	0	1	1
545432	PL.7376	A	Consumer	7.37Y	122.8	0.00	3.15	0.62	0	4	2	89	0.00	0.0	1.886	0.000	4	2	1	1
545420	PL.7376	C	Consumer	7.41Y	123.5	0.00	2.49	1.46	0	10	5	89	0.00	0.0	1.886	0.000	10	5	1	1
545414	PL.25743	A	Consumer	7.37Y	122.9	0.00	3.15	0.35	0	2	1	89	0.00	0.0	1.817	0.000	2	1	1	1
545309	PL.25743	A	Consumer	7.37Y	122.9	0.00	3.15	0.52	0	3	2	83	0.00	0.0	1.817	0.000	3	2	1	1
PL.25741	PL.25740	A	2ACSR	7.36Y	122.7	0.12	3.26	100.73	40	714	205	96	3.00	0.1	1.802	0.043	0	0	0	93
C		B		7.24Y	120.7	0.21	5.26	168.13	66	1167	357	96					0	0	0	137 C
		C		7.41Y	123.4	0.10	2.56	109.92	43	776	247	95					0	0	0	82
545304	PL.25741	C	Consumer	7.41Y	123.4	0.00	2.56	1.24	0	8	4	89	0.00	0.0	1.802	0.000	8	4	1	1
5453017	PL.25741	C	Consumer	7.41Y	123.4	0.00	2.56	0.00	0	0	0	100	0.00	0.0	1.802	0.000	0	0	1	1
544307	PL.25741	C	Consumer	7.41Y	123.4	0.00	2.56	0.57	0	4	1	97	0.00	0.0	1.802	0.000	4	1	1	1
545302	PL.25741	C	Consumer	7.41Y	123.4	0.00	2.56	0.49	0	3	2	83	0.00	0.0	1.802	0.000	3	2	1	1
PL.6971	PL.25741	A	2ACSR	7.36Y	122.6	0.12	3.39	100.73	40	713	204	96	3.14	0.1	1.847	0.045	0	0	0	93
C		B		7.23Y	120.5	0.22	5.47	168.13	66	1165	356	96					0	0	0	137 C
		C		7.40Y	123.3	0.10	2.66	107.65	42	760	240	95					0	0	0	78
PL.18030	PL.6971	A	2ACSR	7.36Y	122.6	0.01	3.40	100.73	40	712	204	96	0.25	0.0	1.851	0.004	0	0	0	93
C		B		7.23Y	120.5	0.02	5.49	168.13	66	1163	355	96					0	0	0	137 C
		C		7.40Y	123.3	0.01	2.67	107.07	42	756	238	95					0	0	0	77
C PD.2830	PL.18030	A	fuse6AMP	7.36Y	122.6	0.00	3.40	100.73	1721	712	204	96	0.00	0.0	1.851	0.000	0	0	0	93 C
C		B		7.23Y	120.5	0.00	5.49	168.13	2872	1163	355	96					0	0	0	137 C
C		C		7.40Y	123.3	0.00	2.67	107.07	1829	756	238	95					0	0	0	77 C
PL.18616	PD.2830	A	2ACSR	7.35Y	122.5	0.15	3.54	100.73	40	712	204	96	3.74	0.1	1.905	0.054	0	0	0	93
C		B		7.22Y	120.3	0.26	5.75	168.13	66	1163	355	96					0	0	0	137 C
		C		7.39Y	123.2	0.12	2.79	107.07	42	756	238	95					0	0	0	77
545224	PL.18616	A	Consumer	7.35Y	122.5	0.00	3.54	1.89	0	13	6	91	0.00	0.0	1.905	0.000	13	6	0	0
		B		7.22Y	120.3	0.00	5.75	1.93	0	13	6	90					13	6	0	0
		C		7.39Y	123.2	0.00	2.79	1.88	0	13	6	90					13	6	0	0
PL.18617	PL.18616	A	2ACSR	7.34Y	122.3	0.12	3.66	98.86	39	699	198	96	2.90	0.1	1.948	0.043	0	0	0	92
C		B		7.20Y	120.0	0.20	5.95	166.23	65	1148	347	96					0	0	0	137 C
		C		7.39Y	123.1	0.09	2.88	105.21	41	743	231	95					0	0	0	77
PL.42940	PL.18617	A	4ACSR	7.34Y	122.3	0.00	3.66	8.52	4	58	24	92	0.00	0.0	1.953	0.005	0	0	0	8
		C		7.39Y	123.1	0.00	2.88	3.81	2	28	5	99					0	0	0	13
C PD.8190	PL.42940	A	fuse8AMP	7.34Y	122.3	0.00	3.66	8.52	117	58	24	92	0.00	0.0	1.953	0.000	0	0	0	8 C
		C		7.39Y	123.1	0.00	2.88	3.81	52	28	5	99					0	0	0	13
PL.42941	PD.8190	A	4ACSR	7.34Y	122.3	0.02	3.68	8.52	4	58	24	92	0.01	0.0	2.002	0.049	0	0	0	8
		C		7.39Y	123.1	0.01	2.89	3.81	2	28	5	99					0	0	0	13
PL.3518	PL.42941	A	4ACSR	7.34Y	122.3	0.01	3.69	7.71	4	52	23	91	0.01	0.0	2.041	0.039	0	0	0	5
		C		7.39Y	123.1	0.01	2.90	3.81	2	28	5	99					0	0	0	13

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
545218	PL.3518	C	Consumer	7.39Y	123.1	0.00	2.90	0.52	0	4	1	97	0.00	0.0	2.041	0.000	4	1	1	1
545221	PL.3518	C	Consumer	7.39Y	123.1	0.00	2.90	0.00	0	0	0	100	0.00	0.0	2.041	0.000	0	0	1	1
545204	PL.3518	A	Consumer	7.34Y	122.3	0.00	3.69	0.00	0	0	0	100	0.00	0.0	2.041	0.000	0	0	0	0
545219	PL.3518	C	Consumer	7.39Y	123.1	0.00	2.90	0.19	0	1	0	100	0.00	0.0	2.041	0.000	1	0	1	1
545220	PL.3518	C	Consumer	7.39Y	123.1	0.00	2.90	0.65	0	5	1	98	0.00	0.0	2.041	0.000	5	1	1	1
545222	PL.3518	C	Consumer	7.39Y	123.1	0.00	2.90	0.00	0	0	0	100	0.00	0.0	2.041	0.000	0	0	0	0
PL.25744	PL.3518	A	4ACSR	7.34Y	122.3	0.01	3.70	7.71	4	52	23	91	0.01	0.0	2.075	0.034	0	0	0	5
		C		7.39Y	123.1	0.00	2.90	2.45	1	18	3	99					0	0	0	9
PL.18028	PL.25744	C	4ACSR	7.39Y	123.1	0.00	2.90	0.48	0	4	1	97	0.00	0.0	2.079	0.004	0	0	0	2
PD.2829	PL.18028	C	fuse6AMP	7.39Y	123.1	0.00	2.90	0.48	8	4	1	97	0.00	0.0	2.079	0.000	0	0	0	2
PL.18029	PD.2829	C	4ACSR	7.39Y	123.1	0.00	2.90	0.48	0	4	1	97	0.00	0.0	2.095	0.016	0	0	0	2
545215	PL.18029	C	Consumer	7.39Y	123.1	0.00	2.90	0.06	0	0	0	100	0.00	0.0	2.095	0.000	0	0	1	1
545213	PL.18029	C	Consumer	7.39Y	123.1	0.00	2.90	0.42	0	3	0	100	0.00	0.0	2.095	0.000	3	0	1	1
PL.3520	PL.18029	C	4ACSR	7.39Y	123.1	0.00	2.90	0.00	0	0	0	100	0.00	0.0	2.158	0.063	0	0	0	0
5441001	PL.3520	C	Consumer	7.39Y	123.1	0.00	2.90	0.00	0	0	0	100	0.00	0.0	2.158	0.000	0	0	0	0
545225	PL.25744	C	Consumer	7.39Y	123.1	0.00	2.90	0.13	0	1	0	100	0.00	0.0	2.075	0.000	1	0	1	1
545223	PL.25744	C	Consumer	7.39Y	123.1	0.00	2.90	0.59	0	4	1	97	0.00	0.0	2.075	0.000	4	1	1	1
544204	PL.25744	C	Consumer	7.39Y	123.1	0.00	2.90	0.77	0	6	1	99	0.00	0.0	2.075	0.000	6	1	1	1
PL.25745	PL.25744	A	4ACSR	7.34Y	122.3	0.02	3.73	7.71	4	52	23	91	0.01	0.0	2.142	0.067	0	0	0	5
		C		7.39Y	123.1	0.00	2.90	0.48	0	3	1	99					0	0	0	4
PL.6972	PL.25745	A	4ACSR	7.34Y	122.3	0.01	3.73	3.67	2	25	10	93	0.00	0.0	2.181	0.039	0	0	0	3
		C		7.39Y	123.1	0.00	2.91	0.38	0	3	0	99					0	0	0	3
544303	PL.6972	A	Consumer	7.34Y	122.3	0.00	3.73	1.09	0	8	1	99	0.00	0.0	2.181	0.000	8	1	1	1
544304	PL.6972	A	Consumer	7.34Y	122.3	0.00	3.73	0.64	0	4	2	89	0.00	0.0	2.181	0.000	4	2	1	1
PL.6973	PL.6972	A	4ACSR	7.34Y	122.3	0.00	3.74	1.96	1	13	6	91	0.00	0.0	2.228	0.047	0	0	0	1
		C		7.39Y	123.1	0.00	2.91	0.38	0	3	0	99					0	0	0	3
544305	PL.6973	C	Consumer	7.39Y	123.1	0.00	2.91	0.09	0	1	0	100	0.00	0.0	2.228	0.000	1	0	1	1
544314	PL.6973	C	Consumer	7.39Y	123.1	0.00	2.91	0.04	0	0	0	100	0.00	0.0	2.228	0.000	0	0	1	1
544306	PL.6973	C	Consumer	7.39Y	123.1	0.00	2.91	0.26	0	2	0	100	0.00	0.0	2.228	0.000	2	0	1	1
544313	PL.6973	A	Consumer	7.34Y	122.3	0.00	3.74	1.96	0	13	6	91	0.00	0.0	2.228	0.000	13	6	1	1
544315	PL.6973	A	Consumer	7.34Y	122.3	0.00	3.74	0.00	0	0	0	100	0.00	0.0	2.228	0.000	0	0	0	0
544302	PL.25745	C	Consumer	7.39Y	123.1	0.00	2.90	0.10	0	1	0	100	0.00	0.0	2.142	0.000	1	0	1	1
PL.18614	PL.25745	A	4ACSR	7.34Y	122.3	0.00	3.73	4.05	2	27	13	90	0.00	0.0	2.163	0.020	0	0	0	2
PL.18615	PL.18614	A	4ACSR	7.34Y	122.3	0.01	3.73	2.99	2	20	10	89	0.00	0.0	2.205	0.043	0	0	0	1
545226	PL.18615	A	Consumer	7.34Y	122.3	0.00	3.73	2.99	0	20	10	89	0.00	0.0	2.205	0.000	20	10	1	1
544206	PL.18614	A	Consumer	7.34Y	122.3	0.00	3.73	1.06	0	7	3	92	0.00	0.0	2.163	0.000	7	3	1	1
545216	PL.42941	A	Consumer	7.34Y	122.3	0.00	3.68	0.69	0	5	1	98	0.00	0.0	2.002	0.000	5	1	1	1
545211	PL.42941	A	Consumer	7.34Y	122.3	0.00	3.68	0.04	0	0	0	100	0.00	0.0	2.002	0.000	0	0	1	1
545202	PL.42941	A	Consumer	7.34Y	122.3	0.00	3.68	0.11	0	1	0	100	0.00	0.0	2.002	0.000	1	0	1	1

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.25746	PL.18617	A	2ACSR	7.33Y	122.2	0.10	3.76	90.41	36	641	174	97	2.73	0.1	1.991	0.043	0	0	0	84
C		B		7.19Y	119.8	0.20	6.16	166.23	65	1146	346	96					0	0	0	137 C
		C		7.38Y	123.0	0.09	2.97	101.44	40	714	226	95					0	0	0	63
PL.42942	PL.25746	B	4ACSR	7.19Y	119.8	0.00	6.16	5.25	3	32	19	86	0.00	0.0	1.997	0.006	0	0	0	2
		C		7.38Y	123.0	0.00	2.97	5.11	3	32	19	86					0	0	0	2
PD.8191	PL.42942	B	fuse8AMP	7.19Y	119.8	0.00	6.16	5.25	72	32	19	86	0.00	0.0	1.997	0.000	0	0	0	2
		C		7.38Y	123.0	0.00	2.97	5.11	70	32	19	86					0	0	0	2
PL.42943	PD.8191	B	4ACSR	7.19Y	119.8	0.00	6.16	5.25	3	32	19	86	0.00	0.0	2.013	0.016	0	0	0	2
		C		7.38Y	123.0	0.00	2.97	5.11	3	32	19	86					0	0	0	2
545217	PL.42943	B	Consumer	7.19Y	119.8	0.00	6.16	0.19	0	1	0	100	0.00	0.0	2.013	0.000	1	0	1	1
		C		7.38Y	123.0	0.00	2.97	0.18	0	1	0	99					1	0	1	1
545208	PL.42943	B	Consumer	7.19Y	119.8	0.00	6.16	5.02	0	31	19	85	0.00	0.0	2.013	0.000	31	19	1	1
		C		7.38Y	123.0	0.00	2.97	4.89	0	31	19	85					31	19	1	1
545209	PL.42943	B	Consumer	7.19Y	119.8	0.00	6.16	0.06	0	0	0	100	0.00	0.0	2.013	0.000	0	0	1	1
		C		7.38Y	123.0	0.00	2.97	0.05	0	0	0	90					0	0	1	1
PL.25747	PL.25746	A	2ACSR	7.33Y	122.1	0.12	3.88	90.41	36	640	173	97	2.83	0.1	2.038	0.047	0	0	0	84
C		B		7.18Y	119.6	0.22	6.38	161.14	63	1112	325	96					0	0	0	136 C
		C		7.38Y	122.9	0.09	3.06	96.47	38	682	206	96					0	0	0	61
PL.25748	PL.25747	A	2ACSR	7.33Y	122.1	0.03	3.91	90.41	36	639	173	97	0.63	0.0	2.049	0.011	0	0	0	84
C		B		7.17Y	119.6	0.05	6.42	155.64	61	1071	318	96					0	0	0	132 C
		C		7.38Y	122.9	0.02	3.08	95.80	38	676	205	96					0	0	0	60
PL.22958	PL.25748	A	2ACSR	7.32Y	122.1	0.01	3.92	90.41	36	639	173	97	0.32	0.0	2.054	0.005	0	0	0	84
C		B		7.17Y	119.6	0.02	6.45	155.64	61	1071	317	96					0	0	0	132 C
		C		7.37Y	122.9	0.01	3.09	95.80	38	676	205	96					0	0	0	60
PL.42944	PL.22958	A	2ACSR	7.32Y	122.1	0.03	3.95	90.41	36	639	173	97	0.60	0.0	2.065	0.010	0	0	0	84
C		B		7.17Y	119.5	0.05	6.49	155.64	61	1070	317	96					0	0	0	132 C
		C		7.37Y	122.9	0.02	3.11	95.80	38	676	205	96					0	0	0	60
C PD.8192	PL.42944	A	50L	7.32Y	122.1	0.00	3.95	90.41	181	639	173	97	0.00	0.0	2.065	0.000	0	0	0	84 C
C		B		7.17Y	119.5	0.00	6.49	155.64	311	1070	317	96					0	0	0	132 C
C		C		7.37Y	122.9	0.00	3.11	95.80	192	676	205	96					0	0	0	60 C
PL.42945	PD.8192	A	2ACSR	7.31Y	121.9	0.19	4.14	90.41	36	639	173	97	4.46	0.2	2.142	0.077	0	0	0	84
C		B		7.15Y	119.2	0.34	6.84	155.64	61	1070	317	96					0	0	0	132 C
		C		7.36Y	122.7	0.15	3.26	95.80	38	676	205	96					0	0	0	60
PL.25749	PL.42945	A	2ACSR	7.31Y	121.8	0.05	4.18	90.41	36	638	173	97	1.10	0.0	2.161	0.019	0	0	0	84
C		B		7.14Y	119.1	0.08	6.92	155.64	61	1067	315	96					0	0	0	132 C
		C		7.36Y	122.7	0.04	3.30	95.80	38	675	204	96					0	0	0	60
PL.26028	PL.25749	A	2ACSR	7.30Y	121.7	0.09	4.27	90.39	36	638	173	97	2.08	0.1	2.198	0.036	0	0	0	84
C		B		7.13Y	118.9	0.16	7.08	155.62	61	1066	314	96					0	0	0	131 C
		C		7.36Y	122.6	0.07	3.37	95.78	38	675	204	96					0	0	0	60
PL.21584	PL.26028	A	2ACSR	7.30Y	121.7	0.06	4.33	76.68	30	538	156	96	1.68	0.1	2.228	0.031	0	0	0	61
C		B		7.13Y	118.8	0.14	7.22	155.62	61	1065	313	96					0	0	0	131 C
		C		7.35Y	122.6	0.06	3.42	95.78	38	675	204	96					0	0	0	60
PL.21588	PL.21584	A	2ACSR	7.29Y	121.6	0.10	4.43	73.50	29	514	152	96	2.68	0.1	2.278	0.049	0	0	0	53
C		B		7.11Y	118.5	0.23	7.45	155.62	61	1064	313	96					0	0	0	131 C
		C		7.35Y	122.5	0.09	3.51	95.78	38	674	204	96					0	0	0	60
034394	PL.21588	A	Consumer	7.29Y	121.6	0.00	4.43	0.28	0	2	0	100	0.00	0.0	2.278	0.000	2	0	1	1
034389	PL.21588	A	Consumer	7.29Y	121.6	0.00	4.43	0.18	0	1	0	100	0.00	0.0	2.278	0.000	1	0	1	1
034393	PL.21588	A	Consumer	7.29Y	121.6	0.00	4.43	0.34	0	2	0	100	0.00	0.0	2.278	0.000	2	0	1	1
034390	PL.21588	A	Consumer	7.29Y	121.6	0.00	4.43	0.16	0	1	0	100	0.00	0.0	2.278	0.000	1	0	1	1
034391	PL.21588	A	Consumer	7.29Y	121.6	0.00	4.43	0.46	0	3	1	95	0.00	0.0	2.278	0.000	3	1	1	1
034392	PL.21588	A	Consumer	7.29Y	121.6	0.00	4.43	0.52	0	4	1	97	0.00	0.0	2.278	0.000	4	1	1	1
034396	PL.21588	A	Consumer	7.29Y	121.6	0.00	4.43	0.56	0	4	1	97	0.00	0.0	2.278	0.000	4	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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
034395	PL.21588	A	Consumer	7.29Y	121.6	0.00	4.43	0.11	0	1	0	100	0.00	0.0	2.278	0.000	1	0	1	1
PL.42950	PL.21588	A	4ACSR	7.29Y	121.6	0.00	4.43	3.37	2	24	6	97	0.00	0.0	2.282	0.005	0	0	0	11
PD.8195	PL.42950	A	fuse6AMP	7.29Y	121.6	0.00	4.43	3.37	58	24	6	97	0.00	0.0	2.282	0.000	0	0	0	11
PL.42951	PD.8195	A	4ACSR	7.29Y	121.6	0.00	4.43	3.37	2	24	6	97	0.00	0.0	2.304	0.022	0	0	0	11
034375	PL.42951	A	Consumer	7.29Y	121.6	0.00	4.43	0.32	0	2	0	100	0.00	0.0	2.304	0.000	2	0	1	1
034376	PL.42951	A	Consumer	7.29Y	121.6	0.00	4.43	0.39	0	3	0	100	0.00	0.0	2.304	0.000	3	0	1	1
034373	PL.42951	A	Consumer	7.29Y	121.6	0.00	4.43	0.39	0	3	0	100	0.00	0.0	2.304	0.000	3	0	1	1
034380	PL.42951	A	Consumer	7.29Y	121.6	0.00	4.43	0.25	0	2	0	100	0.00	0.0	2.304	0.000	2	0	1	1
034372	PL.42951	A	Consumer	7.29Y	121.6	0.00	4.43	0.59	0	4	2	89	0.00	0.0	2.304	0.000	4	2	1	1
034377	PL.42951	A	Consumer	7.29Y	121.6	0.00	4.43	0.18	0	1	0	100	0.00	0.0	2.304	0.000	1	0	1	1
034374	PL.42951	A	Consumer	7.29Y	121.6	0.00	4.43	0.41	0	3	0	100	0.00	0.0	2.304	0.000	3	0	1	1
034378	PL.42951	A	Consumer	7.29Y	121.6	0.00	4.43	0.31	0	2	0	100	0.00	0.0	2.304	0.000	2	0	1	1
034398	PL.42951	A	Consumer	7.29Y	121.6	0.00	4.43	0.14	0	1	0	100	0.00	0.0	2.304	0.000	1	0	1	1
034379	PL.42951	A	Consumer	7.29Y	121.6	0.00	4.43	0.33	0	2	0	100	0.00	0.0	2.304	0.000	2	0	1	1
034397	PL.42951	A	Consumer	7.29Y	121.6	0.00	4.43	0.08	0	1	0	100	0.00	0.0	2.304	0.000	1	0	1	1
PL.26032	PL.21588	A	2ACSR	7.29Y	121.5	0.06	4.49	67.54	27	471	144	96	1.67	0.1	2.309	0.031	0	0	0	34
C		B		7.10Y	118.4	0.15	7.60	155.62	61	1062	311	96					0	0	0	131 C
		C		7.35Y	122.4	0.06	3.57	95.78	38	674	203	96					0	0	0	60
PL.17419	PL.26032	A	2ACSR	7.29Y	121.5	0.06	4.54	65.89	26	459	142	96	1.82	0.1	2.343	0.034	0	0	0	31
C		B		7.09Y	118.2	0.16	7.76	155.62	61	1061	311	96					0	0	0	131 C
		C		7.34Y	122.4	0.06	3.63	95.78	38	674	203	96					0	0	0	60
034306	PL.17419	A	Consumer	7.29Y	121.5	0.00	4.54	0.00	0	0	0	100	0.00	0.0	2.343	0.000	0	0	0	0
		C		7.34Y	122.4	0.00	3.63	0.00	0	0	0	100					0	0	0	0
034351	PL.17419	A	Consumer	7.29Y	121.5	0.00	4.54	0.31	0	2	1	89	0.00	0.0	2.343	0.000	2	1	1	1
		C		7.34Y	122.4	0.00	3.63	0.31	0	2	1	90					2	1	1	1
034309	PL.17419	A	Consumer	7.29Y	121.5	0.00	4.54	0.08	0	1	0	100	0.00	0.0	2.343	0.000	1	0	1	1
		C		7.34Y	122.4	0.00	3.63	0.08	0	1	0	99					1	0	1	1
034305	PL.17419	A	Consumer	7.29Y	121.5	0.00	4.54	0.33	0	2	0	100	0.00	0.0	2.343	0.000	2	0	1	1
		C		7.34Y	122.4	0.00	3.63	0.33	0	2	0	99					2	0	1	1
PL.17420	PL.17419	A	2ACSR	7.28Y	121.3	0.11	4.66	65.17	26	454	140	96	3.55	0.2	2.411	0.067	0	0	0	29
L		B		7.08Y	117.9	0.32	8.07	155.62	61	1060	310	96					0	0	0	131 L
		C		7.33Y	122.2	0.12	3.76	95.07	37	668	201	96					0	0	0	58
PL.6297	PL.17420	A	2ACSR	7.27Y	121.2	0.12	4.78	65.17	26	453	140	96	3.61	0.2	2.481	0.070	0	0	0	29
L		B		7.06Y	117.6	0.32	8.40	152.70	60	1037	305	96					0	0	0	127 L
		C		7.33Y	122.1	0.13	3.88	95.07	37	668	201	96					0	0	0	58
L 034334	PL.6297	B	Consumer	7.06Y	117.6	0.00	8.40	0.66	0	5	1	98	0.00	0.0	2.481	0.000	5	1	1	1 L
L 0343106	PL.6297	B	Consumer	7.06Y	117.6	0.00	8.40	1.33	0	8	4	89	0.00	0.0	2.481	0.000	8	4	1	1 L
PL.27920	PL.6297	A	2ACSR	7.27Y	121.1	0.08	4.86	65.17	26	453	140	96	2.37	0.1	2.528	0.047	0	0	0	29
L		B		7.04Y	117.4	0.21	8.61	150.73	59	1021	298	96					0	0	0	125 L
		C		7.32Y	122.0	0.09	3.97	95.07	37	667	200	96					0	0	0	58
RG.12	PL.27920	A	1ph-100A-7	7.56Y	126.0	-4.86	-0.00	65.17	65	453	140	96	percent Boost= 4.01 Tap= 6.4							29
C		B		7.56Y	126.0	-8.61	-0.00	150.73	151	1019	297	96	percent Boost= 7.33 Tap=11.7						C	
C		C		7.56Y	126.0	-3.97	0.00	95.07	95	667	200	96	percent Boost= 3.25 Tap= 5.2						C	
PL.28681	RG.12	A	2ACSR	7.56Y	126.0	0.05	0.05	62.66	25	453	140	96	1.40	0.1	2.559	0.031	0	0	0	29
C		B		7.55Y	125.9	0.13	0.13	140.43	55	1019	297	96					0	0	0	125 C
		C		7.56Y	125.9	0.06	0.06	92.08	36	667	200	96					0	0	0	58

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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.28682	PL.28681	A	2ACSR	7.55Y	125.9	0.06	0.11	62.66	25	452	140	96	1.71	0.1	2.597	0.038	0	0	0	29
C		B		7.54Y	125.7	0.16	0.29	140.43	55	1018	296	96					0	0	0	125 C
		C		7.55Y	125.9	0.07	0.13	92.08	36	667	199	96					0	0	0	58
034368	PL.28682	B	Consumer	7.54Y	125.7	0.00	0.29	1.72	0	12	6	89	0.00	0.0	2.597	0.000	12	6	1	1
034303	PL.28682	B	Consumer	7.54Y	125.7	0.00	0.29	0.51	0	4	1	97	0.00	0.0	2.597	0.000	4	1	1	1
034365	PL.28682	A	Consumer	7.55Y	125.9	0.00	0.11	0.00	0	0	0	100	0.00	0.0	2.597	0.000	0	0	0	0
		B		7.54Y	125.7	0.00	0.29	0.00	0	0	0	100					0	0	0	0
		C		7.55Y	125.9	0.00	0.13	0.00	0	0	0	100					0	0	0	0
034344	PL.28682	B	Consumer	7.54Y	125.7	0.00	0.29	0.00	0	0	0	100	0.00	0.0	2.597	0.000	0	0	1	1
034362	PL.28682	A	Consumer	7.55Y	125.9	0.00	0.11	0.66	0	5	2	93	0.00	0.0	2.597	0.000	5	2	0	0
		B		7.54Y	125.7	0.00	0.29	0.66	0	5	2	90					5	2	0	0
		C		7.55Y	125.9	0.00	0.13	0.66	0	5	2	90					5	2	0	0
034353	PL.28682	B	Consumer	7.54Y	125.7	0.00	0.29	1.01	0	7	3	92	0.00	0.0	2.597	0.000	7	3	1	1
PL.6296	PL.28682	A	2ACSR	7.55Y	125.8	0.11	0.22	62.01	24	448	138	96	2.95	0.1	2.666	0.069	0	0	0	29
C		B		7.53Y	125.4	0.28	0.57	136.57	54	990	284	96					0	0	0	121 C
		C		7.54Y	125.7	0.13	0.25	91.42	36	662	197	96					0	0	0	58
PL.6295	PL.6296	A	2ACSR	7.54Y	125.7	0.04	0.26	62.01	24	447	138	96	0.95	0.0	2.691	0.025	0	0	0	29
		B		7.52Y	125.3	0.09	0.66	122.76	48	887	259	96					0	0	0	97
		C		7.54Y	125.7	0.05	0.30	91.42	36	661	196	96					0	0	0	58
PL.18578	PL.6295	A	2ACSR	7.54Y	125.6	0.09	0.35	62.01	24	447	138	96	2.18	0.1	2.752	0.060	0	0	0	29
		B		7.51Y	125.1	0.22	0.88	121.26	48	876	255	96					0	0	0	93
		C		7.54Y	125.6	0.11	0.41	85.81	34	622	177	96					0	0	0	56
PD.266-A	PL.18578	A	Closed	7.54Y	125.6	0.00	0.35	62.01	0	447	137	96	0.00	0.0	2.752	0.000	0	0	0	29
		B		7.51Y	125.1	0.00	0.88	121.26	0	874	254	96					0	0	0	93
		C		7.54Y	125.6	0.00	0.41	85.81	0	622	177	96					0	0	0	56
PD.266-B	PD.266-A	A	Closed	7.54Y	125.6	0.00	0.35	62.01	0	447	137	96	0.00	0.0	2.752	0.000	0	0	0	29
		B		7.51Y	125.1	0.00	0.88	121.26	0	874	254	96					0	0	0	93
		C		7.54Y	125.6	0.00	0.41	85.81	0	622	177	96					0	0	0	56
PL.28038	PD.266-B	A	2ACSR	7.54Y	125.6	0.04	0.39	62.01	24	447	137	96	0.85	0.0	2.775	0.023	0	0	0	29
		B		7.50Y	125.0	0.08	0.96	121.26	48	874	254	96					0	0	0	93
		C		7.53Y	125.5	0.04	0.45	85.81	34	622	177	96					0	0	0	56
PL.28039	PL.28038	A	2ACSR	7.53Y	125.6	0.05	0.44	64.52	25	447	192	92	1.16	0.1	2.806	0.031	0	0	0	29
		B		7.50Y	124.9	0.11	1.08	123.48	49	874	308	94					0	0	0	93
		C		7.53Y	125.5	0.06	0.51	88.08	35	622	232	94					0	0	0	56
PL.1743	PL.28039	A	2ACSR	7.53Y	125.5	0.01	0.45	11.17	4	72	44	85	0.02	0.0	2.848	0.042	0	0	0	1
		B		7.49Y	124.9	0.01	1.09	11.23	4	72	44	85					0	0	0	1
		C		7.53Y	125.5	0.01	0.53	11.18	4	72	44	85					0	0	0	1
034317	PL.1743	A	Consumer	7.53Y	125.5	0.00	0.45	2.34	0	15	9	86	0.00	0.0	2.848	0.000	15	9	0	0
		B		7.49Y	124.9	0.00	1.09	2.35	0	15	9	85					15	9	0	0
		C		7.53Y	125.5	0.00	0.53	2.34	0	15	9	85					15	9	0	0
PL.31010	PL.1743	A	2ACSR	7.53Y	125.5	0.00	0.45	8.83	3	57	35	85	0.00	0.0	2.855	0.007	0	0	0	0
		B		7.49Y	124.9	0.00	1.09	8.88	3	57	35	85					0	0	0	0
		C		7.53Y	125.5	0.00	0.53	8.84	3	57	35	85					0	0	0	0
0343111	PL.31010	A	Consumer	7.53Y	125.5	0.00	0.45	8.83	0	57	35	85	0.00	0.0	2.855	0.000	57	35	0	0
		B		7.49Y	124.9	0.00	1.09	8.88	0	57	35	85					57	35	0	0
		C		7.53Y	125.5	0.00	0.53	8.84	0	57	35	85					57	35	0	0
0333064	PL.28039	A	Consumer	7.53Y	125.6	0.00	0.44	0.00	0	0	0	100	0.00	0.0	2.806	0.000	0	0	0	0
033360	PL.28039	C	Consumer	7.53Y	125.5	0.00	0.51	0.08	0	1	0	100	0.00	0.0	2.806	0.000	1	0	1	1
PL.6310	PL.28039	A	2ACSR	7.53Y	125.5	0.10	0.54	53.50	21	375	148	93	2.17	0.1	2.878	0.072	0	0	0	28
		B		7.48Y	124.7	0.24	1.32	112.54	44	801	263	95					0	0	0	92
		C		7.52Y	125.4	0.12	0.63	77.07	30	549	187	95					0	0	0	54
PL.21489	PL.6310	A	6ACWC	7.53Y	125.5	0.00	0.54	16.21	8	120	21	99	0.07	0.0	2.889	0.011	0	0	0	25
		B		7.48Y	124.7	0.01	1.34	27.57	14	199	54	97					0	0	0	27
		C		7.52Y	125.4	0.02	0.65	40.57	21	300	58	98					0	0	0	50

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.2736-A	PL.21489	A	Closed	7.53Y	125.5	0.00	0.54	16.21	0	120	21	99	0.00	0.0	2.889	0.000	0	0	0	25
		B		7.48Y	124.7	0.00	1.34	27.57	0	199	54	97					0	0	0	27
		C		7.52Y	125.4	0.00	0.65	40.57	0	300	58	98					0	0	0	50
PD.2736-B	PD.2736-A	A	Closed	7.53Y	125.5	0.00	0.54	16.21	0	120	21	99	0.00	0.0	2.889	0.000	0	0	0	25
		B		7.48Y	124.7	0.00	1.34	27.57	0	199	54	97					0	0	0	27
		C		7.52Y	125.4	0.00	0.65	40.57	0	300	58	98					0	0	0	50
PL.21490	PD.2736-B	A	6ACWC	7.53Y	125.4	0.03	0.57	16.21	8	120	21	99	0.43	0.1	2.962	0.072	0	0	0	25
		B		7.47Y	124.6	0.10	1.43	27.57	14	199	54	97					0	0	0	27
		C		7.51Y	125.2	0.11	0.76	40.57	21	300	58	98					0	0	0	50
PL.11977	PL.21490	A	2ACSR	7.52Y	125.4	0.01	0.59	16.21	6	120	21	99	0.25	0.0	3.032	0.070	0	0	0	25
		B		7.47Y	124.5	0.06	1.49	27.57	11	199	54	97					0	0	0	27
		C		7.51Y	125.2	0.07	0.83	38.83	15	286	56	98					0	0	0	44
PL.19508	PL.11977	A	2ACSR	7.52Y	125.4	0.01	0.60	16.21	6	120	21	99	0.22	0.0	3.095	0.063	0	0	0	25
		B		7.47Y	124.5	0.05	1.55	27.07	11	195	53	96					0	0	0	24
		C		7.51Y	125.1	0.06	0.89	38.35	15	283	55	98					0	0	0	43
PL.19509	PL.19508	A	2ACSR	7.52Y	125.4	0.00	0.60	16.21	6	120	21	99	0.00	0.0	3.095	0.000	0	0	0	25
		B		7.47Y	124.5	0.00	1.55	27.07	11	195	53	96					0	0	0	24
		C		7.51Y	125.1	0.00	0.89	37.66	15	277	54	98					0	0	0	41
PL.11978	PL.19509	A	2ACSR	7.52Y	125.4	0.01	0.61	16.21	6	120	21	99	0.18	0.0	3.148	0.053	0	0	0	25
		B		7.46Y	124.4	0.05	1.59	27.07	11	195	53	96					0	0	0	24
		C		7.50Y	125.1	0.05	0.94	37.66	15	277	54	98					0	0	0	41
033296	PL.11978	B	Consumer	7.46Y	124.4	0.00	1.59	1.10	0	8	1	99	0.00	0.0	3.148	0.000	8	1	1	1
033210	PL.11978	B	Consumer	7.46Y	124.4	0.00	1.59	1.39	0	9	5	87	0.00	0.0	3.148	0.000	9	5	1	1
033292	PL.11978	B	Consumer	7.46Y	124.4	0.00	1.59	0.57	0	4	2	89	0.00	0.0	3.148	0.000	4	2	1	1
PL.18035	PL.11978	A	2ACSR	7.52Y	125.4	0.01	0.62	16.21	6	120	21	99	0.16	0.0	3.197	0.049	0	0	0	25
		B		7.46Y	124.4	0.04	1.63	24.04	9	174	45	97					0	0	0	21
		C		7.50Y	125.0	0.05	0.99	37.66	15	277	54	98					0	0	0	41
PL.18036	PL.18035	A	2ACSR	7.52Y	125.4	0.01	0.63	16.21	6	120	21	99	0.09	0.0	3.224	0.027	0	0	0	25
		B		7.46Y	124.3	0.02	1.65	24.04	9	174	45	97					0	0	0	21
		C		7.50Y	125.0	0.03	1.02	37.66	15	277	54	98					0	0	0	41
PL.23847	PL.18036	A	2ACSR	7.52Y	125.4	0.00	0.63	0.00	0	0	0	100	0.00	0.0	3.258	0.034	0	0	0	0
		B		7.46Y	124.3	0.00	1.65	0.00	0	0	0	100					0	0	0	0
		C		7.50Y	125.0	0.00	1.02	0.00	0	0	0	100					0	0	0	0
PL.42211	PL.18036	A	4ACSR	7.52Y	125.4	0.00	0.63	1.58	1	12	2	99	0.00	0.0	3.231	0.007	0	0	0	2
PD.7647-A	PL.42211	A	Closed	7.52Y	125.4	0.00	0.63	1.58	0	12	2	99	0.00	0.0	3.231	0.000	0	0	0	2
PD.7647-B	PD.7647-A	A	Closed	7.52Y	125.4	0.00	0.63	1.58	0	12	2	99	0.00	0.0	3.231	0.000	0	0	0	2
PL.42212	PD.7647-B	A	4ACSR	7.52Y	125.4	0.00	0.63	1.58	1	12	2	99	0.00	0.0	3.266	0.034	0	0	0	2
PL.20454	PL.42212	A	4ACSR	7.52Y	125.4	0.00	0.63	0.00	0	0	0	100	0.00	0.0	3.277	0.011	0	0	0	0
PD.1208	PL.20454	A	fuse6AMP	7.52Y	125.4	0.00	0.63	0.00	0	0	0	100	0.00	0.0	3.277	0.000	0	0	0	0
PL.20455	PD.1208	A	4ACSR	7.52Y	125.4	0.00	0.63	0.00	0	0	0	100	0.00	0.0	3.455	0.178	0	0	0	0
PL.1757	PL.20455	A	4ACSR	7.52Y	125.4	0.00	0.63	0.00	0	0	0	100	0.00	0.0	3.565	0.110	0	0	0	0
PL.23839	PL.1757	A	4ACSR	7.52Y	125.4	0.00	0.63	0.00	0	0	0	100	0.00	0.0	3.724	0.159	0	0	0	0
PL.11980	PL.23839	A	4ACSR	7.52Y	125.4	0.00	0.63	0.00	0	0	0	100	0.00	0.0	3.776	0.052	0	0	0	0
PL.23840	PL.11980	A	4ACSR	7.52Y	125.4	0.00	0.63	0.00	0	0	0	100	0.00	0.0	3.878	0.102	0	0	0	0
033265	PL.23840	A	Consumer	7.52Y	125.4	0.00	0.63	0.00	0	0	0	100	0.00	0.0	3.878	0.000	0	0	0	0
PL.11981	PL.11980	A	4ACSR	7.52Y	125.4	0.00	0.63	0.00	0	0	0	100	0.00	0.0	3.822	0.047	0	0	0	0
PL.23842	PL.11981	A	4ACSR	7.52Y	125.4	0.00	0.63	0.00	0	0	0	100	0.00	0.0	3.896	0.073	0	0	0	0
033237	PL.23842	A	Consumer	7.52Y	125.4	0.00	0.63	0.00	0	0	0	100	0.00	0.0	3.896	0.000	0	0	0	0

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.23845	PL.42212	A	4ACSR	7.52Y	125.4	0.00	0.63	1.36	1	10	2	98	0.00	0.0	3.302	0.036	0	0	0	1
0332111	PL.23845	A	Consumer	7.52Y	125.4	0.00	0.63	1.36	0	10	2	98	0.00	0.0	3.302	0.000	10	2	1	1
033261	PL.42212	A	Consumer	7.52Y	125.4	0.00	0.63	0.22	0	2	0	100	0.00	0.0	3.266	0.000	2	0	1	1
PL.11979	PL.18036	A	2ACSR	7.52Y	125.4	0.01	0.63	14.63	6	108	19	98	0.13	0.0	3.266	0.042	0	0	0	23
		B		7.46Y	124.3	0.03	1.68	24.04	9	174	45	97					0	0	0	21
		C		7.50Y	124.9	0.04	1.06	37.66	15	277	54	98					0	0	0	41
0332115	PL.11979	B	Consumer	7.46Y	124.3	0.00	1.68	5.81	0	37	23	85	0.00	0.0	3.266	0.000	37	23	1	1
0332112	PL.11979	C	Consumer	7.50Y	124.9	0.00	1.06	0.00	0	0	0	100	0.00	0.0	3.266	0.000	0	0	0	0
PL.24639	PL.11979	A	2ACSR	7.52Y	125.4	0.01	0.64	14.63	6	108	19	98	0.13	0.0	3.311	0.045	0	0	0	23
		B		7.46Y	124.3	0.03	1.71	18.57	7	137	23	99					0	0	0	20
		C		7.49Y	124.9	0.05	1.11	37.66	15	277	54	98					0	0	0	41
PL.6301	PL.24639	A	2ACSR	7.52Y	125.3	0.01	0.65	14.63	6	108	19	98	0.22	0.0	3.391	0.080	0	0	0	23
		B		7.45Y	124.2	0.05	1.76	18.57	7	137	23	99					0	0	0	20
		C		7.49Y	124.8	0.08	1.19	36.95	15	272	51	98					0	0	0	40
PL.42213	PL.6301	C	4ACSR	7.49Y	124.8	0.00	1.19	25.30	13	187	31	99	0.00	0.0	3.392	0.001	0	0	0	26
PD.7648-A	PL.42213	C	Closed	7.49Y	124.8	0.00	1.19	25.30	0	187	31	99	0.00	0.0	3.392	0.000	0	0	0	26
PD.7648-B	PD.7648-A	C	Closed	7.49Y	124.8	0.00	1.19	25.30	0	187	31	99	0.00	0.0	3.392	0.000	0	0	0	26
PL.42214	PD.7648-B	C	4ACSR	7.49Y	124.8	0.01	1.19	25.30	13	187	31	99	0.01	0.0	3.398	0.005	0	0	0	26
PD.7475	PL.42214	C	70L	7.49Y	124.8	0.00	1.19	25.30	36	187	31	99	0.00	0.0	3.398	0.000	0	0	0	26
PL.18911	PD.7475	C	4ACSR	7.49Y	124.8	0.02	1.22	25.30	13	187	31	99	0.03	0.0	3.417	0.019	0	0	0	26
PL.18912	PL.18911	C	4ACSR	7.48Y	124.7	0.05	1.27	25.30	13	187	31	99	0.07	0.0	3.465	0.048	0	0	0	26
PL.18913	PL.18912	C	4ACSR	7.48Y	124.7	0.07	1.33	25.30	13	187	31	99	0.09	0.0	3.526	0.061	0	0	0	26
0332100	PL.18913	C	Consumer	7.48Y	124.7	0.00	1.33	1.97	0	15	2	99	0.00	0.0	3.526	0.000	15	2	1	1
0332117	PL.18913	C	Consumer	7.48Y	124.7	0.00	1.33	0.87	0	6	1	99	0.00	0.0	3.526	0.000	6	1	1	1
033238	PL.18913	C	Consumer	7.48Y	124.7	0.00	1.33	0.00	0	0	0	100	0.00	0.0	3.526	0.000	0	0	0	0
PL.27865	PL.18913	C	4ACSR	7.48Y	124.6	0.06	1.39	22.47	12	166	27	99	0.07	0.0	3.586	0.060	0	0	0	24
PL.27866	PL.27865	C	4ACSR	7.47Y	124.6	0.04	1.43	20.23	10	149	25	99	0.04	0.0	3.627	0.041	0	0	0	21
0332120	PL.27866	C	Consumer	7.47Y	124.6	0.00	1.43	0.49	0	4	1	97	0.00	0.0	3.627	0.000	4	1	1	1
033240	PL.27866	C	Consumer	7.47Y	124.6	0.00	1.43	0.65	0	5	1	98	0.00	0.0	3.627	0.000	5	1	1	1
PL.11984	PL.27866	C	4ACSR	7.47Y	124.5	0.05	1.48	19.09	10	141	23	99	0.05	0.0	3.688	0.061	0	0	0	19
033257	PL.11984	C	Consumer	7.47Y	124.5	0.00	1.48	0.00	0	0	0	100	0.00	0.0	3.688	0.000	0	0	0	0
PL.41533	PL.11984	C	4ACSR	7.47Y	124.5	0.06	1.54	19.09	10	141	23	99	0.06	0.0	3.756	0.068	0	0	0	19
PL.41534	PL.41533	C	4ACSR	7.47Y	124.5	0.00	1.54	19.09	10	141	23	99	0.00	0.0	3.759	0.003	0	0	0	19
033278	PL.41534	C	Consumer	7.47Y	124.5	0.00	1.54	0.45	0	3	1	95	0.00	0.0	3.759	0.000	3	1	1	1
PL.11986	PL.41534	C	4ACSR	7.46Y	124.4	0.05	1.58	18.63	10	137	22	99	0.05	0.0	3.818	0.059	0	0	0	18
PL.41535	PL.11986	C	4ACSR	7.46Y	124.4	0.00	1.59	1.68	1	12	2	99	0.00	0.0	3.820	0.003	0	0	0	1
PD.7469	PL.41535	C	fuse6AMP	7.46Y	124.4	0.00	1.59	1.68	29	12	2	99	0.00	0.0	3.820	0.000	0	0	0	1
PL.41536	PD.7469	C	4ACSR	7.46Y	124.4	0.00	1.59	1.68	1	12	2	99	0.00	0.0	3.871	0.051	0	0	0	1
0332114	PL.41536	C	Consumer	7.46Y	124.4	0.00	1.59	1.68	0	12	2	99	0.00	0.0	3.871	0.000	12	2	1	1
PL.11987	PL.11986	C	4ACSR	7.46Y	124.4	0.05	1.63	16.95	9	125	20	99	0.04	0.0	3.883	0.065	0	0	0	17
033282	PL.11987	C	Consumer	7.46Y	124.4	0.00	1.63	0.00	0	0	0	100	0.00	0.0	3.883	0.000	0	0	0	0

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.6305	PL.11987	C	4ACSR	7.46Y	124.3	0.05	1.69	16.95	9	125	20	99	0.05	0.0	3.956	0.073	0	0	0	17
PL.6306	PL.6305	C	4ACSR	7.46Y	124.3	0.06	1.74	14.13	7	104	17	99	0.04	0.0	4.049	0.093	0	0	0	15
PL.6307	PL.6306	C	4ACSR	7.45Y	124.2	0.05	1.79	9.94	5	73	12	99	0.03	0.0	4.162	0.113	0	0	0	10
C PD.7473	PL.6307	C	fuse6AMP	7.45Y	124.2	0.00	1.79	9.94	170	73	12	99	0.00	0.0	4.162	0.000	0	0	0	10 C
PL.23841	PD.7473	C	4ACSR	7.45Y	124.2	0.00	1.79	9.94	5	73	12	99	0.00	0.0	4.163	0.001	0	0	0	10
033276	PL.23841	C	Consumer	7.45Y	124.2	0.00	1.79	0.64	0	5	1	98	0.00	0.0	4.163	0.000	5	1	1	1
0332110	PL.23841	C	Consumer	7.45Y	124.2	0.00	1.79	0.29	0	2	0	100	0.00	0.0	4.163	0.000	2	0	1	1
0332119	PL.23841	C	Consumer	7.45Y	124.2	0.00	1.79	1.33	0	10	2	98	0.00	0.0	4.163	0.000	10	2	1	1
0322009	PL.23841	C	Consumer	7.45Y	124.2	0.00	1.79	0.00	0	0	0	100	0.00	0.0	4.163	0.000	0	0	0	0
033293	PL.23841	C	Consumer	7.45Y	124.2	0.00	1.79	0.59	0	4	1	97	0.00	0.0	4.163	0.000	4	1	1	1
PL.41537	PL.23841	C	4ACSR	7.45Y	124.2	0.00	1.79	6.14	3	45	7	99	0.00	0.0	4.166	0.004	0	0	0	5
C PD.7471	PL.41537	C	fuse6AMP	7.45Y	124.2	0.00	1.79	6.14	105	45	7	99	0.00	0.0	4.166	0.000	0	0	0	5 C
PL.41538	PD.7471	C	4ACSR	7.45Y	124.2	0.01	1.80	6.14	3	45	7	99	0.00	0.0	4.199	0.032	0	0	0	5
PL.6304	PL.41538	C	4ACSR	7.45Y	124.2	0.01	1.81	4.47	2	33	5	99	0.00	0.0	4.257	0.058	0	0	0	2
033290	PL.6304	C	Consumer	7.45Y	124.2	0.00	1.81	1.88	0	14	2	99	0.00	0.0	4.257	0.000	14	2	1	1
033260	PL.6304	C	Consumer	7.45Y	124.2	0.00	1.81	0.00	0	0	0	100	0.00	0.0	4.257	0.000	0	0	0	0
033256	PL.6304	C	Consumer	7.45Y	124.2	0.00	1.81	2.60	0	19	3	99	0.00	0.0	4.257	0.000	19	3	1	1
033291	PL.41538	C	Consumer	7.45Y	124.2	0.00	1.80	0.00	0	0	0	100	0.00	0.0	4.199	0.000	0	0	0	0
033266	PL.41538	C	Consumer	7.45Y	124.2	0.00	1.80	0.14	0	1	0	100	0.00	0.0	4.199	0.000	1	0	1	1
0332113	PL.41538	C	Consumer	7.45Y	124.2	0.00	1.80	1.45	0	11	2	98	0.00	0.0	4.199	0.000	11	2	1	1
033263	PL.41538	C	Consumer	7.45Y	124.2	0.00	1.80	0.08	0	1	0	100	0.00	0.0	4.199	0.000	1	0	1	1
PL.24525	PL.23841	C	4ACSR	7.45Y	124.2	0.01	1.80	0.95	0	7	1	99	0.00	0.0	4.304	0.141	0	0	0	1
PL.24526	PL.24525	C	4ACSR	7.45Y	124.2	0.00	1.80	0.95	0	7	1	99	0.00	0.0	4.384	0.081	0	0	0	1
032206	PL.24526	C	Consumer	7.45Y	124.2	0.00	1.80	0.95	0	7	1	99	0.00	0.0	4.384	0.000	7	1	1	1
033247	PL.6306	C	Consumer	7.46Y	124.3	0.00	1.74	1.63	0	12	2	99	0.00	0.0	4.049	0.000	12	2	1	1
033279	PL.6306	C	Consumer	7.46Y	124.3	0.00	1.74	0.92	0	7	1	99	0.00	0.0	4.049	0.000	7	1	1	1
033248	PL.6306	C	Consumer	7.46Y	124.3	0.00	1.74	0.12	0	1	0	100	0.00	0.0	4.049	0.000	1	0	1	1
033289	PL.6306	C	Consumer	7.46Y	124.3	0.00	1.74	0.65	0	5	1	98	0.00	0.0	4.049	0.000	5	1	1	1
0332102	PL.6306	C	Consumer	7.46Y	124.3	0.00	1.74	0.00	0	0	0	100	0.00	0.0	4.049	0.000	0	0	0	0
033280	PL.6306	C	Consumer	7.46Y	124.3	0.00	1.74	0.85	0	6	1	99	0.00	0.0	4.049	0.000	6	1	1	1
033275	PL.6305	C	Consumer	7.46Y	124.3	0.00	1.69	1.68	0	12	2	99	0.00	0.0	3.956	0.000	12	2	1	1
033297	PL.6305	C	Consumer	7.46Y	124.3	0.00	1.69	1.14	0	8	1	99	0.00	0.0	3.956	0.000	8	1	1	1
0332106	PL.27865	C	Consumer	7.48Y	124.6	0.00	1.39	0.39	0	3	0	100	0.00	0.0	3.586	0.000	3	0	1	1
033243	PL.27865	C	Consumer	7.48Y	124.6	0.00	1.39	0.53	0	4	1	97	0.00	0.0	3.586	0.000	4	1	1	1
0332122	PL.27865	C	Consumer	7.48Y	124.6	0.00	1.39	1.31	0	10	2	98	0.00	0.0	3.586	0.000	10	2	1	1
PL.6311	PL.6301	A	2ACSR	7.52Y	125.3	0.01	0.66	14.63	6	108	19	98	0.02	0.0	3.416	0.025	0	0	0	23
		B		7.45Y	124.2	0.01	1.77	18.57	7	137	23	99					0	0	0	20
		C		7.49Y	124.8	0.01	1.19	11.66	5	85	20	97					0	0	0	14

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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.11982	PL.6311	A	2ACSR	7.52Y	125.3	0.03	0.69	14.63	6	108	19	98	0.06	0.0	3.486	0.070	0	0	0	23
		B		7.45Y	124.2	0.03	1.80	18.57	7	137	23	99					0	0	0	20
		C		7.49Y	124.8	0.01	1.21	10.17	4	75	15	98					0	0	0	13
PL.41539	PL.11982	A	2ACSR	7.52Y	125.3	0.02	0.72	14.63	6	108	19	98	0.05	0.0	3.540	0.054	0	0	0	23
		B		7.45Y	124.2	0.02	1.83	18.57	7	137	22	99					0	0	0	20
		C		7.49Y	124.8	0.01	1.22	10.17	4	75	15	98					0	0	0	13
PD.7474-A	PL.41539	A	Closed	7.52Y	125.3	0.00	0.72	14.63	0	108	19	98	0.00	0.0	3.540	0.000	0	0	0	23
		B		7.45Y	124.2	0.00	1.83	18.57	0	137	22	99					0	0	0	20
		C		7.49Y	124.8	0.00	1.22	10.17	0	75	15	98					0	0	0	13
PD.7474-B	PD.7474-A	A	Closed	7.52Y	125.3	0.00	0.72	14.63	0	108	19	98	0.00	0.0	3.540	0.000	0	0	0	23
		B		7.45Y	124.2	0.00	1.83	18.57	0	137	22	99					0	0	0	20
		C		7.49Y	124.8	0.00	1.22	10.17	0	75	15	98					0	0	0	13
PL.41540	PD.7474-B	A	2ACSR	7.52Y	125.3	0.03	0.75	14.63	6	108	19	98	0.07	0.0	3.614	0.074	0	0	0	23
		B		7.45Y	124.1	0.03	1.86	18.57	7	137	22	99					0	0	0	20
		C		7.49Y	124.8	0.01	1.23	10.17	4	75	15	98					0	0	0	13
PL.41541	PL.41540	B	4ACSR	7.45Y	124.1	0.00	1.86	1.76	1	13	2	99	0.00	0.0	3.619	0.006	0	0	0	3
PD.7476	PL.41541	B	fuse6AMP	7.45Y	124.1	0.00	1.86	1.76	30	13	2	99	0.00	0.0	3.619	0.000	0	0	0	3
PL.41542	PD.7476	B	4ACSR	7.45Y	124.1	0.00	1.86	1.76	1	13	2	99	0.00	0.0	3.634	0.015	0	0	0	3
033252	PL.41542	B	Consumer	7.45Y	124.1	0.00	1.86	1.05	0	8	1	99	0.00	0.0	3.634	0.000	8	1	1	1
033249	PL.41542	B	Consumer	7.45Y	124.1	0.00	1.86	0.07	0	1	0	100	0.00	0.0	3.634	0.000	1	0	1	1
PL.6299	PL.41542	B	4ACSR	7.45Y	124.1	0.00	1.86	0.65	0	5	1	98	0.00	0.0	3.697	0.062	0	0	0	1
033228	PL.6299	B	Consumer	7.45Y	124.1	0.00	1.86	0.65	0	5	1	98	0.00	0.0	3.697	0.000	5	1	1	1
PL.11988	PL.41540	A	2ACSR	7.51Y	125.2	0.02	0.77	14.63	6	108	19	98	0.05	0.0	3.669	0.055	0	0	0	23
		B		7.45Y	124.1	0.02	1.88	16.81	7	124	20	99					0	0	0	17
		C		7.49Y	124.8	0.01	1.24	10.17	4	75	15	98					0	0	0	13
PL.11989	PL.11988	A	2ACSR	7.51Y	125.2	0.01	0.78	14.63	6	108	19	98	0.02	0.0	3.700	0.031	0	0	0	23
		B		7.45Y	124.1	0.01	1.89	15.96	6	117	19	99					0	0	0	16
		C		7.48Y	124.7	0.01	1.25	10.17	4	75	15	98					0	0	0	13
PL.11990	PL.11989	A	2ACSR	7.51Y	125.2	0.04	0.82	12.48	5	92	16	99	0.08	0.0	3.807	0.107	0	0	0	22
		B		7.44Y	124.1	0.04	1.94	15.96	6	117	19	99					0	0	0	16
		C		7.48Y	124.7	0.02	1.27	10.17	4	75	15	98					0	0	0	13
PL.30356	PL.11990	A	2ACSR	7.51Y	125.2	0.02	0.84	12.48	5	92	16	99	0.04	0.0	3.876	0.069	0	0	0	22
		B		7.44Y	124.0	0.02	1.96	13.52	5	99	16	99					0	0	0	12
		C		7.48Y	124.7	0.01	1.29	8.85	3	65	11	99					0	0	0	9
033202	PL.30356	A	Consumer	7.51Y	125.2	0.00	0.84	0.26	0	2	0	100	0.00	0.0	3.876	0.000	2	0	1	1
PL.30358	PL.30356	A	336ACSR	7.51Y	125.1	0.02	0.86	12.23	2	90	16	98	0.02	0.0	4.023	0.147	0	0	0	21
		B		7.44Y	124.0	0.01	1.97	13.52	2	99	16	99					0	0	0	12
		C		7.48Y	124.7	0.01	1.29	8.85	1	65	11	99					0	0	0	9
033288	PL.30358	A	Consumer	7.51Y	125.1	0.00	0.86	0.05	0	0	0	100	0.00	0.0	4.023	0.000	0	0	1	1
033201	PL.30358	A	Consumer	7.51Y	125.1	0.00	0.86	0.42	0	3	1	95	0.00	0.0	4.023	0.000	3	1	1	1
PL.30359	PL.30358	A	336ACSR	7.51Y	125.1	0.01	0.87	11.76	2	87	15	99	0.01	0.0	4.125	0.102	0	0	0	19
		B		7.44Y	124.0	0.01	1.98	13.52	2	99	16	99					0	0	0	12
		C		7.48Y	124.7	0.00	1.30	8.85	1	65	11	99					0	0	0	9
PL.11993	PL.30359	A	336ACSR	7.51Y	125.1	0.00	0.87	11.53	2	85	15	98	0.00	0.0	4.162	0.037	0	0	0	18
		B		7.44Y	124.0	0.00	1.98	13.52	2	99	16	99					0	0	0	12
		C		7.48Y	124.7	0.00	1.30	8.85	1	65	11	99					0	0	0	9
PL.81	PL.11993	A	2ACSR	7.51Y	125.1	0.03	0.90	11.53	5	85	15	98	0.05	0.0	4.246	0.084	0	0	0	18
		B		7.44Y	124.0	0.03	2.01	13.52	5	99	16	99					0	0	0	12
		C		7.48Y	124.7	0.02	1.31	8.85	3	65	11	99					0	0	0	9
PL.18790	PL.81	B	4ACSR	7.44Y	124.0	0.00	2.01	4.48	2	33	5	99	0.00	0.0	4.265	0.019	0	0	0	4
PD.2573	PL.18790	B	fuse6AMP	7.44Y	124.0	0.00	2.01	4.48	77	33	5	99	0.00	0.0	4.265	0.000	0	0	0	4

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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.19541	PD.2573	B	4ACSR	7.44Y	124.0	0.01	2.02	4.48	2	33	5	99	0.00	0.0	4.306	0.041	0	0	0	4
023915	PL.19541	B	Consumer	7.44Y	124.0	0.00	2.02	1.19	0	9	1	99	0.00	0.0	4.306	0.000	9	1	1	1
PL.19542	PL.19541	B	4ACSR	7.44Y	124.0	0.00	2.02	3.29	2	24	4	99	0.00	0.0	4.339	0.033	0	0	0	3
PL.1782	PL.19542	B	4ACSR	7.44Y	124.0	0.01	2.04	3.29	2	24	4	99	0.00	0.0	4.412	0.073	0	0	0	3
023924	PL.1782	B	Consumer	7.44Y	124.0	0.00	2.04	0.22	0	2	0	100	0.00	0.0	4.412	0.000	2	0	1	1
PL.6183	PL.1782	B	4ACSR	7.44Y	123.9	0.02	2.05	3.07	2	23	4	99	0.00	0.0	4.540	0.128	0	0	0	2
PL.6184	PL.6183	B	4ACSR	7.44Y	123.9	0.00	2.06	1.77	1	13	2	99	0.00	0.0	4.599	0.059	0	0	0	1
023928	PL.6184	B	Consumer	7.44Y	123.9	0.00	2.06	1.77	0	13	2	99	0.00	0.0	4.599	0.000	13	2	1	1
023934	PL.6183	B	Consumer	7.44Y	123.9	0.00	2.05	1.30	0	10	2	98	0.00	0.0	4.540	0.000	10	2	1	1
0239050	PL.19542	B	Consumer	7.44Y	124.0	0.00	2.02	0.00	0	0	0	100	0.00	0.0	4.339	0.000	0	0	0	0
PL.11994	PL.81	A	2ACSR	7.50Y	125.1	0.02	0.92	11.53	5	85	15	98	0.03	0.0	4.327	0.081	0	0	0	18
		B		7.44Y	124.0	0.02	2.02	9.04	4	66	11	99					0	0	0	8
		C		7.48Y	124.7	0.02	1.33	8.85	3	65	11	99					0	0	0	9
PL.11995	PL.11994	A	2ACSR	7.50Y	125.1	0.02	0.94	11.53	5	85	15	98	0.02	0.0	4.377	0.049	0	0	0	18
		B		7.44Y	124.0	0.01	2.03	9.04	4	66	11	99					0	0	0	8
		C		7.48Y	124.7	0.01	1.34	5.23	2	39	7	98					0	0	0	8
023922	PL.11995	A	Consumer	7.50Y	125.1	0.00	0.94	0.52	0	4	1	97	0.00	0.0	4.377	0.000	4	1	1	1
PL.11996	PL.11995	A	2ACSR	7.50Y	125.0	0.02	0.96	11.01	4	81	14	99	0.02	0.0	4.432	0.055	0	0	0	17
		B		7.44Y	124.0	0.01	2.04	9.04	4	66	11	99					0	0	0	8
		C		7.48Y	124.7	0.01	1.35	5.23	2	39	7	98					0	0	0	8
PL.11997	PL.11996	A	2ACSR	7.50Y	125.0	0.03	0.99	11.01	4	81	14	99	0.03	0.0	4.527	0.095	0	0	0	17
		B		7.44Y	123.9	0.02	2.06	9.04	4	66	11	99					0	0	0	8
		C		7.48Y	124.6	0.01	1.36	5.23	2	39	7	98					0	0	0	8
PL.41545	PL.11997	C	4ACSR	7.48Y	124.6	0.00	1.36	2.23	1	16	3	98	0.00	0.0	4.532	0.005	0	0	0	3
PD.7478	PL.41545	C	fuse6AMP	7.48Y	124.6	0.00	1.36	2.23	38	16	3	98	0.00	0.0	4.532	0.000	0	0	0	3
PL.41546	PD.7478	C	4ACSR	7.48Y	124.6	0.01	1.37	2.23	1	16	3	98	0.00	0.0	4.617	0.085	0	0	0	3
023911	PL.41546	C	Consumer	7.48Y	124.6	0.00	1.37	0.50	0	4	1	97	0.00	0.0	4.617	0.000	4	1	1	1
023936	PL.41546	C	Consumer	7.48Y	124.6	0.00	1.37	1.41	0	10	2	98	0.00	0.0	4.617	0.000	10	2	1	1
023912	PL.41546	C	Consumer	7.48Y	124.6	0.00	1.37	0.32	0	2	0	100	0.00	0.0	4.617	0.000	2	0	1	1
PL.11998	PL.11997	A	2ACSR	7.50Y	125.0	0.01	1.00	11.01	4	81	14	99	0.01	0.0	4.552	0.025	0	0	0	17
		B		7.44Y	123.9	0.00	2.07	9.04	4	66	11	99					0	0	0	8
		C		7.48Y	124.6	0.00	1.36	3.00	1	22	4	98					0	0	0	4
PL.6186	PL.11998	A	2ACSR	7.50Y	125.0	0.03	1.02	11.01	4	81	14	99	0.02	0.0	4.631	0.079	0	0	0	17
		B		7.44Y	123.9	0.01	2.08	9.04	4	66	11	99					0	0	0	8
		C		7.48Y	124.6	0.00	1.36	2.91	1	21	4	98					0	0	0	3
PD.3377	PL.6186	A	35L	7.50Y	125.0	0.00	1.02	11.01	31	81	14	99	0.00	0.0	4.631	0.000	0	0	0	17
		B		7.44Y	123.9	0.00	2.08	9.04	26	66	11	99					0	0	0	8
		C		7.48Y	124.6	0.00	1.36	2.91	8	21	4	98					0	0	0	3
PL.11999	PD.3377	A	2ACSR	7.50Y	125.0	0.01	1.04	11.01	4	81	14	99	0.01	0.0	4.672	0.040	0	0	0	17
		B		7.43Y	123.9	0.01	2.09	9.04	4	66	11	99					0	0	0	8
		C		7.48Y	124.6	0.00	1.36	2.91	1	21	4	98					0	0	0	3
PL.18642	PL.11999	C	4ACSR	7.48Y	124.6	0.00	1.37	2.01	1	15	2	99	0.00	0.0	4.690	0.018	0	0	0	1
PD.2575	PL.18642	C	fuse6AMP	7.48Y	124.6	0.00	1.37	2.01	34	15	2	99	0.00	0.0	4.690	0.000	0	0	0	1
PL.18643	PD.2575	C	4ACSR	7.48Y	124.6	0.02	1.39	2.01	1	15	2	99	0.00	0.0	4.931	0.241	0	0	0	1
023947	PL.18643	C	Consumer	7.48Y	124.6	0.00	1.39	2.01	0	15	2	99	0.00	0.0	4.931	0.000	15	2	1	1
023946	PL.18643	C	Consumer	7.48Y	124.6	0.00	1.39	0.00	0	0	0	100	0.00	0.0	4.931	0.000	0	0	0	0

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.12000	PL.11999	A	2ACSR	7.50Y	125.0	0.01	1.04	11.01	4	81	14	99	0.00	0.0	4.686	0.015	0	0	0	17
		B		7.43Y	123.9	0.00	2.09	9.04	4	66	11	99					0	0	0	8
		C		7.48Y	124.6	-0.00	1.36	0.90	0	7	1	98					0	0	0	2
023942	PL.12000	A	Consumer	7.50Y	125.0	0.00	1.04	0.19	0	1	1	71	0.00	0.0	4.686	0.000	1	1	1	1
PL.29867	PL.12000	A	2ACSR	7.50Y	124.9	0.02	1.07	10.83	4	80	14	99	0.02	0.0	4.748	0.062	0	0	0	16
		B		7.43Y	123.9	0.01	2.10	9.04	4	66	11	99					0	0	0	8
		C		7.48Y	124.6	-0.00	1.36	0.90	0	7	1	98					0	0	0	2
PL.29868	PL.29867	A	2ACSR	7.50Y	124.9	0.00	1.07	10.83	4	80	14	99	0.00	0.0	4.749	0.001	0	0	0	16
		B		7.43Y	123.9	0.00	2.10	6.95	3	51	8	99					0	0	0	7
		C		7.48Y	124.6	0.00	1.36	0.90	0	7	1	98					0	0	0	2
PL.12002	PL.29868	A	336ACSR	7.49Y	124.9	0.03	1.10	10.83	1	80	14	99	0.01	0.0	5.017	0.268	0	0	0	16
		B		7.43Y	123.9	-0.00	2.10	6.95	1	51	8	99					0	0	0	7
		C		7.48Y	124.6	0.00	1.36	0.90	0	7	1	98					0	0	0	2
PL.12003	PL.12002	A	336ACSR	7.49Y	124.9	0.01	1.11	7.86	1	58	10	99	0.00	0.0	5.134	0.117	0	0	0	13
		B		7.43Y	123.9	0.00	2.10	6.95	1	51	8	99					0	0	0	7
		C		7.48Y	124.6	-0.00	1.36	0.90	0	7	1	98					0	0	0	2
023944	PL.12003	A	Consumer	7.49Y	124.9	0.00	1.11	0.00	0	0	0	100	0.00	0.0	5.134	0.000	0	0	1	1
PL.6185	PL.12003	A	336ACSR	7.49Y	124.9	0.01	1.11	7.86	1	58	10	99	0.00	0.0	5.191	0.057	0	0	0	12
		B		7.43Y	123.9	0.00	2.10	6.95	1	51	8	99					0	0	0	7
		C		7.48Y	124.6	-0.00	1.36	0.90	0	7	1	98					0	0	0	2
PL.12004	PL.6185	A	336ACSR	7.49Y	124.9	0.01	1.12	7.86	1	58	10	99	0.00	0.0	5.298	0.106	0	0	0	12
		B		7.43Y	123.9	0.00	2.10	5.95	1	44	7	99					0	0	0	6
		C		7.48Y	124.6	-0.00	1.36	0.90	0	7	1	98					0	0	0	2
PL.12005	PL.12004	A	2ACSR	7.49Y	124.8	0.06	1.18	5.90	2	44	8	98	0.03	0.0	5.596	0.298	0	0	0	10
		B		7.43Y	123.9	0.03	2.13	5.38	2	39	6	99					0	0	0	5
		C		7.48Y	124.6	0.00	1.36	0.90	0	7	1	98					0	0	0	2
PL.1566	PL.12005	A	4ACSR	7.49Y	124.8	0.00	1.18	0.64	0	5	1	98	0.00	0.0	5.686	0.089	0	0	0	1
023819	PL.1566	A	Consumer	7.49Y	124.8	0.00	1.18	0.00	0	0	0	100	0.00	0.0	5.686	0.000	0	0	0	0
023818	PL.1566	A	Consumer	7.49Y	124.8	0.00	1.18	0.64	0	5	1	98	0.00	0.0	5.686	0.000	5	1	1	1
023815	PL.12005	B	Consumer	7.43Y	123.9	0.00	2.13	1.53	0	11	2	98	0.00	0.0	5.596	0.000	11	2	1	1
PL.12006	PL.12005	A	2ACSR	7.49Y	124.8	0.03	1.21	5.26	2	39	7	98	0.01	0.0	5.753	0.157	0	0	0	9
		B		7.43Y	123.9	0.01	2.14	3.86	2	28	5	99					0	0	0	4
		C		7.48Y	124.6	0.00	1.37	0.90	0	7	1	98					0	0	0	2
PL.12007	PL.12006	A	2ACSR	7.49Y	124.8	0.02	1.22	3.46	1	25	5	98	0.01	0.0	5.904	0.151	0	0	0	8
		B		7.43Y	123.8	0.01	2.16	3.86	2	28	5	99					0	0	0	4
		C		7.48Y	124.6	0.00	1.37	0.90	0	7	1	98					0	0	0	2
PL.12008	PL.12007	A	2ACSR	7.49Y	124.8	0.00	1.23	3.46	1	25	5	98	0.00	0.0	5.945	0.041	0	0	0	8
		B		7.43Y	123.8	0.00	2.16	3.86	2	28	5	99					0	0	0	4
		C		7.48Y	124.6	0.00	1.37	0.90	0	7	1	98					0	0	0	2
PL.18342	PL.12008	A	2ACSR	7.49Y	124.8	0.01	1.24	3.46	1	25	5	98	0.00	0.0	6.062	0.116	0	0	0	8
		B		7.43Y	123.8	0.01	2.17	3.86	2	28	5	99					0	0	0	4
		C		7.48Y	124.6	0.00	1.37	0.90	0	7	1	98					0	0	0	2
PD.164	PL.18342	A	fuse6AMP	7.49Y	124.8	0.00	1.24	3.46	59	25	5	98	0.00	0.0	6.062	0.000	0	0	0	8
		B		7.43Y	123.8	0.00	2.17	3.86	66	28	5	99					0	0	0	4
		C		7.48Y	124.6	0.00	1.37	0.90	15	7	1	98					0	0	0	2
PL.19615	PD.164	A	2ACSR	7.49Y	124.8	0.00	1.24	3.46	1	25	5	98	0.00	0.0	6.072	0.010	0	0	0	8
		B		7.43Y	123.8	0.00	2.17	3.86	2	28	5	99					0	0	0	4
		C		7.48Y	124.6	0.00	1.37	0.90	0	7	1	98					0	0	0	2
PL.19616	PL.19615	A	2ACSR	7.48Y	124.7	0.01	1.25	3.46	1	25	5	98	0.00	0.0	6.157	0.085	0	0	0	8
		B		7.43Y	123.8	0.01	2.18	3.86	2	28	5	99					0	0	0	4
		C		7.48Y	124.6	-0.00	1.37	0.00	0	0	0	100					0	0	0	0
PL.19761	PL.19616	A	2ACSR	7.48Y	124.7	0.01	1.27	3.42	1	25	5	98	0.00	0.0	6.263	0.106	0	0	0	7
		B		7.43Y	123.8	0.01	2.19	3.86	2	28	5	99					0	0	0	4
		C		7.48Y	124.6	-0.00	1.36	0.00	0	0	0	100					0	0	0	0

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.12009	PL.19761	A	2ACSR	7.48Y	124.7	0.03	1.29	3.42	1	25	5	98	0.01	0.0	6.480	0.217	0	0	0	7
		B		7.43Y	123.8	0.02	2.21	3.86	2	28	5	99					0	0	0	4
		C		7.48Y	124.6	-0.00	1.36	0.00	0	0	0	100					0	0	0	0
PL.20198	PL.12009	A	2ACSR	7.48Y	124.7	0.01	1.30	3.42	1	25	5	98	0.00	0.0	6.577	0.097	0	0	0	7
		B		7.43Y	123.8	0.01	2.21	3.10	1	23	4	99					0	0	0	3
		C		7.48Y	124.6	-0.00	1.36	0.00	0	0	0	100					0	0	0	0
PD.165-A	PL.20198	A	Closed	7.48Y	124.7	0.00	1.30	3.42	0	25	5	98	0.00	0.0	6.577	0.000	0	0	0	7
		B		7.43Y	123.8	0.00	2.21	3.10	0	23	4	99					0	0	0	3
		C		7.48Y	124.6	0.00	1.36	0.00	0	0	0	100					0	0	0	0
PD.165-B	PD.165-A	A	Closed	7.48Y	124.7	0.00	1.30	3.42	0	25	5	98	0.00	0.0	6.577	0.000	0	0	0	7
		B		7.43Y	123.8	0.00	2.21	3.10	0	23	4	99					0	0	0	3
		C		7.48Y	124.6	0.00	1.36	0.00	0	0	0	100					0	0	0	0
PL.20199	PD.165-B	A	2ACSR	7.48Y	124.7	0.01	1.31	3.42	1	25	5	98	0.00	0.0	6.641	0.063	0	0	0	7
		B		7.43Y	123.8	0.00	2.22	3.10	1	23	4	99					0	0	0	3
		C		7.48Y	124.6	-0.00	1.36	0.00	0	0	0	100					0	0	0	0
PL.41549	PL.20199	A	4ACSR	7.48Y	124.7	-0.00	1.31	0.01	0	0	0	100	0.00	0.0	6.647	0.006	0	0	0	2
PD.7479	PL.41549	A	fuse6AMP	7.48Y	124.7	0.00	1.31	0.01	0	0	0	100	0.00	0.0	6.647	0.000	0	0	0	2
PL.41550	PD.7479	A	4ACSR	7.48Y	124.7	0.00	1.31	0.01	0	0	0	100	0.00	0.0	6.748	0.101	0	0	0	2
023802	PL.41550	A	Consumer	7.48Y	124.7	0.00	1.31	0.00	0	0	0	100	0.00	0.0	6.748	0.000	0	0	1	1
023814	PL.41550	A	Consumer	7.48Y	124.7	0.00	1.31	0.01	0	0	0	100	0.00	0.0	6.748	0.000	0	0	1	1
PL.12010	PL.20199	A	2ACSR	7.48Y	124.7	0.01	1.32	3.41	1	25	4	99	0.00	0.0	6.716	0.075	0	0	0	5
		B		7.43Y	123.8	0.00	2.22	3.10	1	23	4	99					0	0	0	3
		C		7.48Y	124.6	-0.00	1.36	0.00	0	0	0	100					0	0	0	0
PL.28004	PL.12010	A	2ACSR	7.48Y	124.7	0.01	1.33	3.41	1	25	4	99	0.00	0.0	6.803	0.087	0	0	0	5
		B		7.43Y	123.8	0.01	2.23	3.10	1	23	4	99					0	0	0	3
		C		7.48Y	124.6	-0.00	1.35	0.00	0	0	0	100					0	0	0	0
023715	PL.28004	B	Consumer	7.43Y	123.8	0.00	2.23	0.01	0	0	0	100	0.00	0.0	6.803	0.000	0	0	1	1
0237090	PL.28004	B	Consumer	7.43Y	123.8	0.00	2.23	1.45	0	11	2	98	0.00	0.0	6.803	0.000	11	2	1	1
PL.28005	PL.28004	A	2ACSR	7.48Y	124.7	0.00	1.33	3.41	1	25	4	99	0.00	0.0	6.830	0.027	0	0	0	5
		B		7.43Y	123.8	0.00	2.23	1.63	1	12	2	99					0	0	0	1
		C		7.48Y	124.6	-0.00	1.35	0.00	0	0	0	100					0	0	0	0
023712	PL.28005	A	Consumer	7.48Y	124.7	0.00	1.33	0.83	0	6	1	99	0.00	0.0	6.830	0.000	6	1	1	1
PL.27946	PL.28005	A	2ACSR	7.48Y	124.7	0.01	1.34	2.58	1	19	3	99	0.00	0.0	6.968	0.138	0	0	0	4
		B		7.43Y	123.8	0.00	2.23	1.63	1	12	2	99					0	0	0	1
		C		7.48Y	124.6	-0.00	1.35	0.00	0	0	0	100					0	0	0	0
PL.42177	PL.27946	B	2ACSR	7.43Y	123.8	0.00	2.23	1.63	1	12	2	99	0.00	0.0	6.988	0.020	0	0	0	1
PL.42178	PL.42177	B	2ACSR	7.43Y	123.8	0.00	2.23	1.63	1	12	2	99	0.00	0.0	7.025	0.037	0	0	0	1
0237091	PL.42178	B	Consumer	7.43Y	123.8	0.00	2.23	1.63	0	12	2	99	0.00	0.0	7.025	0.000	12	2	1	1
PL.42176	PL.42177	B	2ACSR	7.43Y	123.8	0.00	2.23	0.00	0	0	0	100	0.00	0.0	7.056	0.068	0	0	0	0
0237092	PL.42176	B	Consumer	7.43Y	123.8	0.00	2.23	0.00	0	0	0	100	0.00	0.0	7.056	0.000	0	0	0	0
PL.27947	PL.27946	A	2ACSR	7.48Y	124.7	0.00	1.34	0.00	0	0	0	100	0.00	0.0	7.039	0.071	0	0	0	0
		B		7.43Y	123.8	0.00	2.23	0.00	0	0	0	100					0	0	0	0
		C		7.48Y	124.6	0.00	1.35	0.00	0	0	0	100					0	0	0	0
PD.7395-A	PL.27947	A	Open	7.48Y	124.7	0.00	1.34	0.00	0	0	0	100	0.00	0.0	7.039	0.000	0	0	0	0
		B		7.43Y	123.8	0.00	2.23	0.00	0	0	0	100					0	0	0	0
		C		7.48Y	124.6	0.00	1.35	0.00	0	0	0	100					0	0	0	0
023711	PL.27946	A	Consumer	7.48Y	124.7	0.00	1.34	0.75	0	6	1	99	0.00	0.0	6.968	0.000	6	1	1	1
023764	PL.27946	A	Consumer	7.48Y	124.7	0.00	1.34	0.18	0	1	1	71	0.00	0.0	6.968	0.000	1	1	1	1
023731	PL.27946	A	Consumer	7.48Y	124.7	0.00	1.34	0.03	0	0	0	100	0.00	0.0	6.968	0.000	0	0	1	1

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
023710	PL.27946	A	Consumer	7.48Y	124.7	0.00	1.34	1.64	0	12	2	99	0.00	0.0	6.968	0.000	12	2	1	1
023803	PL.12009	B	Consumer	7.43Y	123.8	0.00	2.21	0.76	0	6	1	99	0.00	0.0	6.480	0.000	6	1	1	1
023807	PL.19616	A	Consumer	7.48Y	124.7	0.00	1.25	0.03	0	0	0	100	0.00	0.0	6.157	0.000	0	0	1	1
023817	PL.19615	C	Consumer	7.48Y	124.6	0.00	1.37	0.14	0	1	0	100	0.00	0.0	6.072	0.000	1	0	1	1
023809	PL.19615	C	Consumer	7.48Y	124.6	0.00	1.37	0.77	0	6	1	99	0.00	0.0	6.072	0.000	6	1	1	1
023812	PL.12006	A	Consumer	7.49Y	124.8	0.00	1.21	1.80	0	13	2	99	0.00	0.0	5.753	0.000	13	2	1	1
PL.1785	PL.12004	A	4ACSR	7.49Y	124.9	0.00	1.13	1.42	1	11	2	98	0.00	0.0	5.355	0.058	0	0	0	1
023945	PL.1785	A	Consumer	7.49Y	124.9	0.00	1.13	1.42	0	11	2	98	0.00	0.0	5.355	0.000	11	2	1	1
023941	PL.12004	B	Consumer	7.43Y	123.9	0.00	2.10	0.57	0	4	1	97	0.00	0.0	5.298	0.000	4	1	1	1
023902	PL.12004	A	Consumer	7.49Y	124.9	0.00	1.12	0.54	0	4	1	97	0.00	0.0	5.298	0.000	4	1	1	1
PL.41547	PL.6185	B	4ACSR	7.43Y	123.9	0.00	2.10	1.00	1	7	1	99	0.00	0.0	5.199	0.007	0	0	0	1
PD.166	PL.41547	B	fuse6AMP	7.43Y	123.9	0.00	2.10	1.00	17	7	1	99	0.00	0.0	5.199	0.000	0	0	0	1
PL.41548	PD.166	B	4ACSR	7.43Y	123.9	0.00	2.11	1.00	1	7	1	99	0.00	0.0	5.303	0.104	0	0	0	1
PL.6182	PL.41548	B	4ACSR	7.43Y	123.9	0.00	2.11	1.00	1	7	1	99	0.00	0.0	5.384	0.081	0	0	0	1
PL.1778	PL.6182	B	4ACSR	7.43Y	123.9	0.00	2.11	1.00	1	7	1	99	0.00	0.0	5.414	0.030	0	0	0	1
PL.1780	PL.1778	B	4ACSR	7.43Y	123.9	0.00	2.11	1.00	1	7	1	99	0.00	0.0	5.454	0.040	0	0	0	1
023939	PL.1780	B	Consumer	7.43Y	123.9	0.00	2.11	1.00	0	7	1	99	0.00	0.0	5.454	0.000	7	1	1	1
023933	PL.12002	A	Consumer	7.49Y	124.9	0.00	1.10	0.10	0	1	0	100	0.00	0.0	5.017	0.000	1	0	1	1
PL.27697	PL.12002	A	4ACSR	7.49Y	124.9	0.00	1.10	2.86	1	21	3	99	0.00	0.0	5.042	0.025	0	0	0	2
PD.2574	PL.27697	A	fuse6AMP	7.49Y	124.9	0.00	1.10	2.86	49	21	3	99	0.00	0.0	5.042	0.000	0	0	0	2
PL.27698	PD.2574	A	4ACSR	7.49Y	124.9	0.01	1.11	2.86	1	21	3	99	0.00	0.0	5.101	0.059	0	0	0	2
023918	PL.27698	A	Consumer	7.49Y	124.9	0.00	1.11	0.68	0	5	1	98	0.00	0.0	5.101	0.000	5	1	1	1
023917	PL.27698	A	Consumer	7.49Y	124.9	0.00	1.11	2.18	0	16	3	98	0.00	0.0	5.101	0.000	16	3	1	1
PL.1783	PL.29867	B	4ACSR	7.43Y	123.9	0.01	2.11	2.08	1	15	2	99	0.00	0.0	4.838	0.090	0	0	0	1
023910	PL.1783	B	Consumer	7.43Y	123.9	0.00	2.11	2.08	0	15	2	99	0.00	0.0	4.838	0.000	15	2	1	1
023943	PL.11998	C	Consumer	7.48Y	124.6	0.00	1.36	0.09	0	1	0	100	0.00	0.0	4.552	0.000	1	0	1	1
023938	PL.11997	C	Consumer	7.48Y	124.6	0.00	1.36	0.00	0	0	0	100	0.00	0.0	4.527	0.000	0	0	1	1
PL.19103	PL.11994	C	4ACSR	7.48Y	124.7	0.00	1.33	3.62	2	27	4	99	0.00	0.0	4.341	0.013	0	0	0	1
PD.2572	PL.19103	C	fuse6AMP	7.48Y	124.7	0.00	1.33	3.62	62	27	4	99	0.00	0.0	4.341	0.000	0	0	0	1
PL.19104	PD.2572	C	4ACSR	7.48Y	124.7	0.01	1.34	3.62	2	27	4	99	0.00	0.0	4.383	0.042	0	0	0	1
023914	PL.19104	C	Consumer	7.48Y	124.7	0.00	1.34	3.62	0	27	4	99	0.00	0.0	4.383	0.000	27	4	1	1
PL.1755	PL.30359	A	4ACSR	7.51Y	125.1	0.00	0.87	0.24	0	2	0	100	0.00	0.0	4.179	0.054	0	0	0	1
033242	PL.1755	A	Consumer	7.51Y	125.1	0.00	0.87	0.24	0	2	0	100	0.00	0.0	4.179	0.000	2	0	1	1
PL.1756	PL.30359	C	4ACSR	7.48Y	124.7	0.00	1.30	0.00	0	0	0	100	0.00	0.0	4.191	0.066	0	0	0	0
PL.1752	PL.11990	B	4ACSR	7.44Y	124.1	0.00	1.94	1.07	1	8	1	99	0.00	0.0	3.873	0.067	0	0	0	3
PL.45566	PL.1752	B	4ACSR	7.44Y	124.1	0.00	1.94	1.07	1	8	1	99	0.00	0.0	3.980	0.106	0	0	0	3
PL.45567	PL.45566	B	4ACSR	7.44Y	124.1	0.01	1.95	1.07	1	8	1	99	0.00	0.0	4.108	0.128	0	0	0	3
0332116	PL.45567	B	Consumer	7.44Y	124.1	0.00	1.95	0.01	0	0	0	100	0.00	0.0	4.108	0.000	0	0	1	1

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.20258	PL.45567	B	4ACSR	7.44Y	124.0	0.00	1.95	1.07	1	8	1	99	0.00	0.0	4.160	0.052	0	0	0	2
033298	PL.20258	B	Consumer	7.44Y	124.0	0.00	1.95	1.07	0	8	1	99	0.00	0.0	4.160	0.000	8	1	1	1
PL.20259	PL.20258	B	4ACSR	7.44Y	124.0	0.00	1.95	0.00	0	0	0	100	0.00	0.0	4.209	0.049	0	0	0	1
PL.12011	PL.20259	B	4ACSR	7.44Y	124.0	0.00	1.95	0.00	0	0	0	100	0.00	0.0	4.341	0.132	0	0	0	1
PL.12012	PL.12011	B	4ACSR	7.44Y	124.0	0.00	1.95	0.00	0	0	0	100	0.00	0.0	4.378	0.037	0	0	0	0
034210	PL.12012	B	Consumer	7.44Y	124.0	0.00	1.95	0.00	0	0	0	100	0.00	0.0	4.378	0.000	0	0	0	0
PL.6293	PL.12012	B	4ACSR	7.44Y	124.0	0.00	1.95	0.00	0	0	0	100	0.00	0.0	4.379	0.001	0	0	0	0
PL.1749	PL.12011	B	4ACSR	7.44Y	124.0	0.00	1.95	0.00	0	0	0	100	0.00	0.0	4.414	0.073	0	0	0	1
PL.1775	PL.1749	B	4ACSR	7.44Y	124.0	0.00	1.95	0.00	0	0	0	100	0.00	0.0	4.484	0.070	0	0	0	1
024902	PL.1775	B	Consumer	7.44Y	124.0	0.00	1.95	0.00	0	0	0	100	0.00	0.0	4.484	0.000	0	0	1	1
PL.1748	PL.1749	B	4ACSR	7.44Y	124.0	0.00	1.95	0.00	0	0	0	100	0.00	0.0	4.414	0.000	0	0	0	0
0332124	PL.45566	B	Consumer	7.44Y	124.1	0.00	1.94	0.00	0	0	0	100	0.00	0.0	3.980	0.000	0	0	0	0
033258	PL.11990	C	Consumer	7.48Y	124.7	0.00	1.27	1.24	0	8	4	89	0.00	0.0	3.807	0.000	8	4	1	1
033222	PL.11990	C	Consumer	7.48Y	124.7	0.00	1.27	0.04	0	0	0	100	0.00	0.0	3.807	0.000	0	0	1	1
0332105	PL.11990	A	Consumer	7.51Y	125.2	0.00	0.82	0.00	0	0	0	100	0.00	0.0	3.807	0.000	0	0	0	0
033294	PL.11990	C	Consumer	7.48Y	124.7	0.00	1.27	0.07	0	1	0	100	0.00	0.0	3.807	0.000	1	0	1	1
0332107	PL.11990	B	Consumer	7.44Y	124.1	0.00	1.94	1.37	0	10	2	98	0.00	0.0	3.807	0.000	10	2	1	1
PL.23843	PL.11990	C	4ACSR	7.48Y	124.7	0.00	1.27	0.00	0	0	0	100	0.00	0.0	3.886	0.079	0	0	0	1
033204	PL.23843	C	Consumer	7.48Y	124.7	0.00	1.27	0.00	0	0	0	100	0.00	0.0	3.886	0.000	0	0	1	1
033205	PL.11989	A	Consumer	7.51Y	125.2	0.00	0.78	2.15	0	16	3	98	0.00	0.0	3.700	0.000	16	3	1	1
PL.41543	PL.11988	B	4ACSR	7.45Y	124.1	0.00	1.88	0.85	0	6	1	99	0.00	0.0	3.674	0.006	0	0	0	1
PD.7477	PL.41543	B	fuse6AMP	7.45Y	124.1	0.00	1.88	0.85	14	6	1	99	0.00	0.0	3.674	0.000	0	0	0	1
PL.41544	PD.7477	B	4ACSR	7.45Y	124.1	0.00	1.88	0.85	0	6	1	99	0.00	0.0	3.733	0.058	0	0	0	1
033281	PL.41544	B	Consumer	7.45Y	124.1	0.00	1.88	0.85	0	6	1	99	0.00	0.0	3.733	0.000	6	1	1	1
PL.18033	PL.11982	C	4ACSR	7.49Y	124.8	0.00	1.21	0.00	0	0	0	100	0.00	0.0	3.492	0.006	0	0	0	0
PD.1210	PL.18033	C	fuse6AMP	7.49Y	124.8	0.00	1.21	0.00	0	0	0	100	0.00	0.0	3.492	0.000	0	0	0	0
PL.18034	PD.1210	C	4ACSR	7.49Y	124.8	0.00	1.21	0.00	0	0	0	100	0.00	0.0	3.507	0.014	0	0	0	0
PL.6300	PL.18034	C	4ACSR	7.49Y	124.8	0.00	1.21	0.00	0	0	0	100	0.00	0.0	3.556	0.049	0	0	0	0
033207	PL.6300	C	Consumer	7.49Y	124.8	0.00	1.21	0.00	0	0	0	100	0.00	0.0	3.556	0.000	0	0	0	0
0332103	PL.6311	C	Consumer	7.49Y	124.8	0.00	1.19	1.54	0	10	5	89	0.00	0.0	3.416	0.000	10	5	1	1
PL.17202	PL.24639	C	4ACSR	7.49Y	124.9	0.00	1.11	0.73	0	5	2	93	0.00	0.0	3.337	0.026	0	0	0	1
PD.1209	PL.17202	C	fuse6AMP	7.49Y	124.9	0.00	1.11	0.73	13	5	2	93	0.00	0.0	3.337	0.000	0	0	0	1
PL.17778	PD.1209	C	4ACSR	7.49Y	124.9	0.00	1.11	0.73	0	5	2	93	0.00	0.0	3.368	0.031	0	0	0	1
033268	PL.17778	C	Consumer	7.49Y	124.9	0.00	1.11	0.73	0	5	2	93	0.00	0.0	3.368	0.000	5	2	1	1
033246	PL.19508	C	Consumer	7.51Y	125.1	0.00	0.89	0.35	0	3	0	100	0.00	0.0	3.095	0.000	3	0	1	1
033214	PL.19508	C	Consumer	7.51Y	125.1	0.00	0.89	0.34	0	3	0	100	0.00	0.0	3.095	0.000	3	0	1	1
033212	PL.11977	B	Consumer	7.47Y	124.5	0.00	1.49	0.26	0	2	0	100	0.00	0.0	3.032	0.000	2	0	1	1
033211	PL.11977	C	Consumer	7.51Y	125.2	0.00	0.83	0.48	0	4	1	97	0.00	0.0	3.032	0.000	4	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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
0332123	PL.11977	B	Consumer	7.47Y	124.5	0.00	1.49	0.00	0	0	0	100	0.00	0.0	3.032	0.000	0	0	0	0
033225	PL.11977	B	Consumer	7.47Y	124.5	0.00	1.49	0.25	0	2	0	100	0.00	0.0	3.032	0.000	2	0	1	1
033244	PL.11977	B	Consumer	7.47Y	124.5	0.00	1.49	0.00	0	0	0	100	0.00	0.0	3.032	0.000	0	0	1	1
033223	PL.21490	C	Consumer	7.51Y	125.2	0.00	0.76	0.92	0	7	1	99	0.00	0.0	2.962	0.000	7	1	1	1
033216	PL.21490	C	Consumer	7.51Y	125.2	0.00	0.76	0.25	0	2	0	100	0.00	0.0	2.962	0.000	2	0	1	1
033217	PL.21490	C	Consumer	7.51Y	125.2	0.00	0.76	0.19	0	1	0	100	0.00	0.0	2.962	0.000	1	0	1	1
033287	PL.21490	C	Consumer	7.51Y	125.2	0.00	0.76	0.04	0	0	0	100	0.00	0.0	2.962	0.000	0	0	1	1
0332101	PL.21490	C	Consumer	7.51Y	125.2	0.00	0.76	0.35	0	3	0	100	0.00	0.0	2.962	0.000	3	0	1	1
033267	PL.21490	C	Consumer	7.51Y	125.2	0.00	0.76	0.00	0	0	0	100	0.00	0.0	2.962	0.000	0	0	1	1
033284	PL.6310	B	Consumer	7.48Y	124.7	0.00	1.32	0.22	0	2	1	89	0.00	0.0	2.878	0.000	2	1	1	1
PL.6294	PL.6310	A	6ACWC	7.52Y	125.4	0.11	0.65	37.77	20	254	127	89	1.43	0.1	2.942	0.063	0	0	0	3
		B		7.47Y	124.4	0.23	1.55	84.80	44	599	207	95					0	0	0	64
		C		7.52Y	125.3	0.06	0.69	37.29	19	249	128	89					0	0	0	4
PL.18031	PL.6294	A	6ACWC	7.52Y	125.3	0.09	0.73	37.77	20	254	127	89	1.04	0.1	2.992	0.050	0	0	0	3
		B		7.46Y	124.3	0.17	1.72	80.00	42	563	201	94					0	0	0	54
		C		7.52Y	125.3	0.05	0.73	37.29	19	249	128	89					0	0	0	4
PD.267-A	PL.18031	A	Closed	7.52Y	125.3	0.00	0.73	37.77	0	254	127	89	0.00	0.0	2.992	0.000	0	0	0	3
		B		7.46Y	124.3	0.00	1.72	80.00	0	562	201	94					0	0	0	54
		C		7.52Y	125.3	0.00	0.73	37.29	0	249	128	89					0	0	0	4
PD.267-B	PD.267-A	A	Closed	7.52Y	125.3	0.00	0.73	37.77	0	254	127	89	0.00	0.0	2.992	0.000	0	0	0	3
		B		7.46Y	124.3	0.00	1.72	80.00	0	562	201	94					0	0	0	54
		C		7.52Y	125.3	0.00	0.73	37.29	0	249	128	89					0	0	0	4
PL.18032	PD.267-B	A	1/0EPRJCN	7.51Y	125.2	0.02	0.76	37.77	20	254	127	89	0.40	0.0	3.038	0.046	0	0	0	3
		B		7.45Y	124.2	0.07	1.79	80.00	42	562	201	94					0	0	0	54
		C		7.51Y	125.2	0.03	0.76	37.29	20	249	128	89					0	0	0	4
PL.29276	PL.18032	A	1/0EPRJCN	7.51Y	125.2	0.01	0.77	7.97	4	51	31	85	0.01	0.0	3.097	0.059	0	0	0	0
		B		7.45Y	124.2	0.01	1.80	8.04	4	51	31	85					0	0	0	0
		C		7.51Y	125.2	0.01	0.77	7.97	4	51	31	85					0	0	0	0
034240	PL.29276	A	Consumer	7.51Y	125.2	0.00	0.77	7.99	0	51	32	85	0.00	0.0	3.097	0.000	51	32	0	0
		B		7.45Y	124.2	0.00	1.80	8.06	0	51	32	85					51	32	0	0
		C		7.51Y	125.2	0.00	0.77	7.99	0	51	32	85					51	32	0	0
PL.21376	PL.18032	A	1/0EPRJCN	7.51Y	125.2	0.01	0.77	29.85	16	203	96	90	0.20	0.0	3.069	0.031	0	0	0	3
		B		7.45Y	124.2	0.04	1.83	72.17	38	510	169	95					0	0	0	54
		C		7.51Y	125.2	0.01	0.77	29.36	15	198	97	90					0	0	0	4
PL.21377	PL.21376	A	1/0EPRJCN	7.51Y	125.2	0.04	0.81	29.86	16	203	96	90	0.69	0.1	3.172	0.103	0	0	0	3
		B		7.44Y	124.0	0.13	1.96	72.17	38	510	169	95					0	0	0	54
		C		7.51Y	125.2	0.05	0.82	29.37	15	198	97	90					0	0	0	4
PL.20787	PL.21377	A	6ACWC	7.51Y	125.1	0.05	0.86	28.08	15	189	94	90	0.57	0.1	3.209	0.037	0	0	0	2
		B		7.44Y	123.9	0.11	2.08	72.19	38	510	170	95					0	0	0	53
		C		7.51Y	125.2	0.02	0.84	29.40	15	198	98	90					0	0	0	4
034235	PL.20787	A	Consumer	7.51Y	125.1	0.00	0.86	0.08	0	1	0	100	0.00	0.0	3.209	0.000	1	0	1	1
PL.20788	PL.20787	A	6ACWC	7.50Y	125.1	0.06	0.92	28.01	15	188	94	89	0.74	0.1	3.256	0.048	0	0	0	1
		B		7.43Y	123.8	0.15	2.22	72.19	38	509	169	95					0	0	0	53
		C		7.51Y	125.1	0.03	0.87	29.40	15	198	98	90					0	0	0	4
034209	PL.20788	B	Consumer	7.43Y	123.8	0.00	2.22	0.00	0	0	0	100	0.00	0.0	3.256	0.000	0	0	1	1
034206	PL.20788	B	Consumer	7.43Y	123.8	0.00	2.22	0.46	0	3	1	95	0.00	0.0	3.256	0.000	3	1	1	1
034241	PL.20788	B	Consumer	7.43Y	123.8	0.00	2.22	0.06	0	0	0	100	0.00	0.0	3.256	0.000	0	0	1	1
PL.19899	PL.20788	A	6ACWC	7.50Y	124.9	0.13	1.05	28.01	15	188	94	89	1.50	0.2	3.354	0.098	0	0	0	1
		B		7.41Y	123.5	0.30	2.53	71.67	37	505	169	95					0	0	0	50
		C		7.50Y	125.1	0.06	0.94	29.40	15	198	98	90					0	0	0	4

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.19900	PL.19899	A	6ACWC	7.49Y	124.8	0.14	1.19	28.01	15	188	94	89	1.63	0.2	3.463	0.109	0	0	0	1
		B		7.39Y	123.1	0.33	2.86	70.42	37	494	166	95					0	0	0	49
		C		7.50Y	125.0	0.07	1.01	29.40	15	198	98	90					0	0	0	4
PL.42191	PL.19900	A	4ACSR	7.49Y	124.8	0.00	1.19	0.00	0	0	0	100	0.00	0.0	3.466	0.003	0	0	0	0
PD.7641	PL.42191	A	fuse6AMP	7.49Y	124.8	0.00	1.19	0.00	0	0	0	100	0.00	0.0	3.466	0.000	0	0	0	0
PL.42194	PD.7641	A	4ACSR	7.49Y	124.8	0.00	1.19	0.00	0	0	0	100	0.00	0.0	3.469	0.002	0	0	0	0
PL.42195	PL.42194	A	4ACSR	7.49Y	124.8	0.00	1.19	0.00	0	0	0	100	0.00	0.0	3.567	0.099	0	0	0	0
034218	PL.42195	A	Consumer	7.49Y	124.8	0.00	1.19	0.00	0	0	0	100	0.00	0.0	3.567	0.000	0	0	0	0
PL.42193	PL.42194	A	4ACSR	7.49Y	124.8	0.00	1.19	0.00	0	0	0	100	0.00	0.0	3.535	0.067	0	0	0	0
034212	PL.42193	A	Consumer	7.49Y	124.8	0.00	1.19	0.00	0	0	0	100	0.00	0.0	3.535	0.000	0	0	0	0
PL.28006	PL.19900	A	6ACWC	7.48Y	124.7	0.06	1.25	28.01	15	188	94	89	0.63	0.1	3.507	0.044	0	0	0	1
		B		7.38Y	123.0	0.13	2.99	68.89	36	482	164	95					0	0	0	48
		C		7.50Y	125.0	0.03	1.04	29.40	15	198	98	90					0	0	0	4
034242	PL.28006	C	Consumer	7.50Y	125.0	0.00	1.04	0.26	0	2	0	100	0.00	0.0	3.507	0.000	2	0	1	1
PL.28007	PL.28006	A	6ACWC	7.48Y	124.7	0.03	1.29	28.01	15	187	94	89	0.38	0.0	3.533	0.026	0	0	0	1
		B		7.38Y	122.9	0.08	3.06	68.89	36	481	164	95					0	0	0	48
		C		7.50Y	124.9	0.02	1.05	29.15	15	196	97	90					0	0	0	3
034211	PL.28007	C	Consumer	7.50Y	124.9	0.00	1.05	0.80	0	6	1	99	0.00	0.0	3.533	0.000	6	1	1	1
PL.42187	PL.28007	A	6ACWC	7.46Y	124.4	0.36	1.64	28.01	15	187	94	89	3.93	0.5	3.809	0.275	0	0	0	1
		B		7.33Y	122.1	0.81	3.88	68.89	36	481	163	95					0	0	0	48
		C		7.49Y	124.8	0.17	1.23	28.39	15	190	96	89					0	0	0	2
PD.7639-A	PL.42187	A	Closed	7.46Y	124.4	0.00	1.64	28.01	0	187	94	89	0.00	0.0	3.809	0.000	0	0	0	1
		B		7.33Y	122.1	0.00	3.88	68.89	0	478	162	95					0	0	0	48
		C		7.49Y	124.8	0.00	1.23	28.39	0	190	96	89					0	0	0	2
PD.7639-B	PD.7639-A	A	Closed	7.46Y	124.4	0.00	1.64	28.01	0	187	94	89	0.00	0.0	3.809	0.000	0	0	0	1
		B		7.33Y	122.1	0.00	3.88	68.89	0	478	162	95					0	0	0	48
		C		7.49Y	124.8	0.00	1.23	28.39	0	190	96	89					0	0	0	2
PL.42188	PD.7639-B	A	6ACWC	7.46Y	124.3	0.08	1.73	28.01	15	187	94	89	0.89	0.1	3.871	0.062	0	0	0	1
		B		7.32Y	121.9	0.18	4.06	68.89	36	478	162	95					0	0	0	48
		C		7.48Y	124.7	0.04	1.27	28.39	15	190	96	89					0	0	0	2
PL.32984	PL.42188	A	6ACWC	7.45Y	124.2	0.07	1.80	25.48	13	170	84	90	0.75	0.1	3.929	0.058	0	0	0	0
		B		7.31Y	121.8	0.17	4.23	66.37	35	461	152	95					0	0	0	47
		C		7.48Y	124.7	0.03	1.30	25.23	13	169	84	89					0	0	0	0
PL.19881	PL.32984	A	6ACWC	7.45Y	124.1	0.06	1.86	25.48	13	170	84	90	0.68	0.1	3.982	0.052	0	0	0	0
		B		7.30Y	121.6	0.15	4.38	66.37	35	461	151	95					0	0	0	47
		C		7.48Y	124.7	0.03	1.32	25.23	13	169	84	89					0	0	0	0
PL.19882	PL.19881	A	6ACWC	7.44Y	124.0	0.13	1.99	25.48	13	170	84	90	1.39	0.2	4.089	0.108	0	0	0	0
		B		7.28Y	121.3	0.31	4.69	66.37	35	460	151	95					0	0	0	47
		C		7.48Y	124.6	0.05	1.38	25.23	13	169	84	89					0	0	0	0
034247	PL.19882	B	Consumer	7.28Y	121.3	0.00	4.69	0.00	0	0	0	100	0.00	0.0	4.089	0.000	0	0	0	0
PL.27957	PL.19882	A	6ACWC	7.44Y	124.0	0.04	2.03	25.48	13	170	84	90	0.46	0.1	4.125	0.036	0	0	0	0
		B		7.27Y	121.2	0.10	4.79	66.37	35	459	151	95					0	0	0	47
		C		7.48Y	124.6	0.02	1.40	25.23	13	169	84	89					0	0	0	0
PL.27958	PL.27957	A	6ACWC	7.44Y	123.9	0.03	2.07	25.48	13	170	84	90	0.37	0.0	4.153	0.028	0	0	0	0
		B		7.27Y	121.1	0.08	4.87	66.36	35	459	150	95					0	0	0	46
		C		7.48Y	124.6	0.01	1.41	25.23	13	169	84	89					0	0	0	0
PL.12013	PL.27958	A	6ACWC	7.43Y	123.9	0.03	2.09	25.48	13	170	84	90	0.28	0.0	4.175	0.022	0	0	0	0
		B		7.26Y	121.1	0.06	4.93	66.36	35	458	150	95					0	0	0	46
		C		7.47Y	124.6	0.01	1.42	25.23	13	169	84	89					0	0	0	0
PL.1737	PL.12013	A	6ACWC	7.43Y	123.9	0.00	2.10	0.52	0	2	3	55	0.00	0.0	4.245	0.070	0	0	0	0
		B		7.26Y	121.1	0.00	4.93	1.30	1	7	6	79					0	0	0	1
		C		7.47Y	124.6	0.00	1.42	0.51	0	2	3	55					0	0	0	0

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.28293	PL.1737	A	6ACWC	7.43Y	123.9	0.00	2.10	0.52	0	2	3	55	0.00	0.0	4.297	0.052	0	0	0	0
		B		7.26Y	121.1	0.00	4.93	0.53	0	2	3	55					0	0	0	0
		C		7.47Y	124.6	0.00	1.42	0.51	0	2	3	55					0	0	0	0
034222	PL.28293	A	Consumer	7.43Y	123.9	0.00	2.10	0.52	0	2	3	55	0.00	0.0	4.297	0.000	2	3	0	0
		B		7.26Y	121.1	0.00	4.93	0.53	0	2	3	55					2	3	0	0
		C		7.47Y	124.6	0.00	1.42	0.51	0	2	3	55					2	3	0	0
PL.1736	PL.1737	B	4ACSR	7.26Y	121.1	0.00	4.94	0.82	0	5	3	86	0.00	0.0	4.308	0.063	0	0	0	1
034221	PL.1736	B	Consumer	7.26Y	121.1	0.00	4.94	0.82	0	5	3	86	0.00	0.0	4.308	0.000	5	3	1	1
PL.20832	PL.12013	A	1/0ACSR	7.43Y	123.9	0.00	2.10	25.04	8	168	81	90	0.03	0.0	4.180	0.006	0	0	0	0
		B		7.26Y	121.1	0.01	4.94	65.13	20	451	144	95					0	0	0	45
		C		7.47Y	124.6	0.00	1.42	24.79	8	167	81	90					0	0	0	0
PD.3416	PL.20832	A	35L	7.43Y	123.9	0.00	2.10	25.04	72	168	81	90	0.00	0.0	4.180	0.000	0	0	0	0
C		B		7.26Y	121.1	0.00	4.94	65.13	186	451	144	95					0	0	0	45 C
		C		7.47Y	124.6	0.00	1.42	24.79	71	167	81	90					0	0	0	0
PL.39507	PD.3416	A	1/0ACSR	7.43Y	123.9	0.00	2.10	25.04	8	168	81	90	0.04	0.0	4.188	0.007	0	0	0	0
		B		7.26Y	121.1	0.01	4.95	65.13	20	451	144	95					0	0	0	45
		C		7.47Y	124.6	0.00	1.42	24.79	8	167	81	90					0	0	0	0
PL.39508	PL.39507	A	1/0ACSR	7.43Y	123.9	0.00	2.10	25.04	8	168	81	90	0.00	0.0	4.188	0.000	0	0	0	0
		B		7.26Y	121.1	0.00	4.95	65.13	20	451	144	95					0	0	0	45
		C		7.47Y	124.6	0.00	1.42	24.79	8	167	81	90					0	0	0	0
PL.39506	PL.39508	A	1/0ACSR	7.43Y	123.9	0.01	2.11	25.04	8	168	81	90	0.06	0.0	4.199	0.012	0	0	0	0
		B		7.26Y	121.0	0.02	4.96	64.09	19	443	143	95					0	0	0	44
		C		7.47Y	124.6	0.00	1.42	24.79	8	167	81	90					0	0	0	0
PL.18003	PL.39506	A	1/0ACSR	7.42Y	123.6	0.26	2.37	25.04	8	168	81	90	2.00	0.3	4.602	0.403	0	0	0	0
		B		7.23Y	120.5	0.56	5.52	64.09	19	443	143	95					0	0	0	44
		C		7.47Y	124.6	0.02	1.44	24.79	8	167	81	90					0	0	0	0
PL.20163	PL.18003	A	1/0ACSR	7.42Y	123.6	0.02	2.39	25.04	8	167	81	90	0.18	0.0	4.640	0.037	0	0	0	0
		B		7.23Y	120.4	0.05	5.58	64.09	19	441	141	95					0	0	0	44
		C		7.47Y	124.6	0.00	1.45	24.79	8	167	81	90					0	0	0	0
035221	PL.20163	B	Consumer	7.23Y	120.4	0.00	5.58	0.87	0	6	1	99	0.00	0.0	4.640	0.000	6	1	1	1
PL.20164	PL.20163	A	1/0ACSR	7.41Y	123.6	0.04	2.43	25.04	8	167	81	90	0.29	0.0	4.699	0.059	0	0	0	0
		B		7.22Y	120.3	0.08	5.66	63.23	19	435	140	95					0	0	0	43
		C		7.47Y	124.6	0.00	1.45	24.79	8	167	81	90					0	0	0	0
PL.42198	PL.20164	A	1/0ACSR	7.41Y	123.5	0.05	2.48	25.04	8	167	81	90	0.37	0.0	4.776	0.077	0	0	0	0
		B		7.21Y	120.2	0.11	5.76	63.23	19	435	139	95					0	0	0	43
		C		7.47Y	124.5	0.00	1.45	24.79	8	167	81	90					0	0	0	0
PD.7643-A	PL.42198	A	Closed	7.41Y	123.5	0.00	2.48	25.04	0	167	81	90	0.00	0.0	4.776	0.000	0	0	0	0
		B		7.21Y	120.2	0.00	5.76	63.23	0	434	139	95					0	0	0	43
		C		7.47Y	124.5	0.00	1.45	24.79	0	167	81	90					0	0	0	0
PD.7643-B	PD.7643-A	A	Closed	7.41Y	123.5	0.00	2.48	25.04	0	167	81	90	0.00	0.0	4.776	0.000	0	0	0	0
		B		7.21Y	120.2	0.00	5.76	63.23	0	434	139	95					0	0	0	43
		C		7.47Y	124.5	0.00	1.45	24.79	0	167	81	90					0	0	0	0
PL.42199	PD.7643-B	A	1/0ACSR	7.41Y	123.5	0.01	2.49	25.04	8	167	81	90	0.04	0.0	4.785	0.009	0	0	0	0
		B		7.21Y	120.2	0.01	5.78	63.23	19	434	139	95					0	0	0	43
		C		7.47Y	124.5	0.00	1.45	24.79	8	167	81	90					0	0	0	0
PL.6368	PL.42199	A	1/0ACSR	7.41Y	123.4	0.07	2.55	25.04	8	167	81	90	0.50	0.1	4.895	0.109	0	0	0	0
		B		7.20Y	120.1	0.15	5.92	61.31	19	421	137	95					0	0	0	42
		C		7.47Y	124.5	0.01	1.46	24.79	8	167	81	90					0	0	0	0
035201	PL.6368	B	Consumer	7.20Y	120.1	0.00	5.92	0.38	0	3	0	100	0.00	0.0	4.895	0.000	3	0	1	1
PL.6365	PL.6368	A	1/0ACSR	7.41Y	123.4	0.02	2.58	25.04	8	167	81	90	0.17	0.0	4.933	0.038	0	0	0	0
		B		7.20Y	120.0	0.05	5.97	60.94	18	418	136	95					0	0	0	41
		C		7.47Y	124.5	0.00	1.47	24.79	8	167	81	90					0	0	0	0
035204	PL.6365	B	Consumer	7.20Y	120.0	0.00	5.97	0.54	0	4	1	97	0.00	0.0	4.933	0.000	4	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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.20052	PL.6365	A	1/0ACSR	7.40Y	123.3	0.07	2.65	25.04	8	167	81	90	0.53	0.1	5.051	0.118	0	0	0	0
		B		7.19Y	119.9	0.15	6.13	60.41	18	414	135	95					0	0	0	40
		C		7.47Y	124.5	0.01	1.48	24.79	8	167	81	90					0	0	0	0
PL.20053	PL.20052	A	1/0ACSR	7.40Y	123.3	0.07	2.72	25.04	8	167	81	90	0.45	0.1	5.159	0.108	0	0	0	0
		B		7.18Y	119.7	0.13	6.26	57.88	18	395	131	95					0	0	0	38
		C		7.47Y	124.5	0.01	1.49	24.79	8	167	81	90					0	0	0	0
SAW MILL	PL.20053	A	Node	7.40Y	123.3	0.00	2.72	25.04	0	167	81	90	0.00	0.0	5.159	0.000	167	81	0	0
		B		7.18Y	119.7	0.00	6.26	25.78	0	167	81	90					167	81	0	0
		C		7.47Y	124.5	0.00	1.49	24.79	0	167	81	90					167	81	0	0
PL.6232	PL.20053	B	4ACSR	7.18Y	119.6	0.11	6.37	32.50	17	228	50	98	0.19	0.1	5.236	0.077	0	0	0	38
PL.19092	PL.6232	B	4ACSR	7.17Y	119.5	0.17	6.54	32.14	17	225	50	98	0.30	0.1	5.359	0.123	0	0	0	37
PL.19093	PL.19092	B	4ACSR	7.16Y	119.4	0.09	6.64	31.97	16	224	49	98	0.16	0.1	5.424	0.065	0	0	0	36
PL.6231	PL.19093	B	4ACSR	7.16Y	119.3	0.11	6.75	31.27	16	219	47	98	0.19	0.1	5.506	0.083	0	0	0	35
PL.42202	PL.6231	B	4ACSR	7.15Y	119.2	0.00	6.75	5.17	3	33	16	90	0.00	0.0	5.514	0.007	0	0	0	1
C PD.2772	PL.42202	B	fuse6AMP	7.15Y	119.2	0.00	6.75	5.17	88	33	16	90	0.00	0.0	5.514	0.000	0	0	0	1 C
PL.42203	PD.2772	B	4ACSR	7.15Y	119.2	0.01	6.76	5.17	3	33	16	90	0.00	0.0	5.564	0.051	0	0	0	1
025917	PL.42203	B	Consumer	7.15Y	119.2	0.00	6.76	5.17	0	33	16	90	0.00	0.0	5.564	0.000	33	16	1	1
PL.42200	PL.6231	B	4ACSR	7.15Y	119.2	0.01	6.76	16.46	8	116	19	99	0.01	0.0	5.517	0.010	0	0	0	24
PD.7644-A	PL.42200	B	Closed	7.15Y	119.2	0.00	6.76	16.46	0	116	19	99	0.00	0.0	5.517	0.000	0	0	0	24
PD.7644-B	PD.7644-A	B	Closed	7.15Y	119.2	0.00	6.76	16.46	0	116	19	99	0.00	0.0	5.517	0.000	0	0	0	24
PL.42201	PD.7644-B	B	4ACSR	7.15Y	119.2	0.03	6.78	16.46	8	116	19	99	0.02	0.0	5.555	0.038	0	0	0	24
PL.6229	PL.42201	B	4ACSR	7.14Y	119.0	0.20	6.99	15.53	8	110	18	99	0.18	0.2	5.859	0.305	0	0	0	22
PL.6227	PL.6229	B	4ACSR	7.13Y	118.8	0.20	7.19	13.85	7	98	16	99	0.15	0.2	6.194	0.335	0	0	0	20
PL.26482	PL.6227	B	4ACSR	7.13Y	118.8	0.00	7.19	0.00	0	0	0	100	0.00	0.0	6.295	0.101	0	0	0	0
PD.225-B	PL.26482	B	Open	7.13Y	118.8	0.00	7.19	0.00	0	0	0	100	0.00	0.0	6.295	0.000	0	0	0	0
PL.42207	PL.6227	B	4ACSR	7.13Y	118.8	0.01	7.19	13.85	7	97	16	99	0.00	0.0	6.204	0.010	0	0	0	20
PD.7646-A	PL.42207	B	Closed	7.13Y	118.8	0.00	7.19	13.85	0	97	16	99	0.00	0.0	6.204	0.000	0	0	0	20
PD.7646-B	PD.7646-A	B	Closed	7.13Y	118.8	0.00	7.19	13.85	0	97	16	99	0.00	0.0	6.204	0.000	0	0	0	20
PL.42206	PD.7646-B	B	4ACSR	7.12Y	118.7	0.08	7.28	13.85	7	97	16	99	0.06	0.1	6.342	0.138	0	0	0	20
C PD.7637	PL.42206	B	fuse6AMP	7.12Y	118.7	0.00	7.28	13.85	237	97	16	99	0.00	0.0	6.342	0.000	0	0	0	20 C
PL.43717	PD.7637	B	4ACSR	7.12Y	118.7	0.05	7.33	13.85	7	97	16	99	0.04	0.0	6.422	0.080	0	0	0	20
0269035	PL.43717	B	Consumer	7.12Y	118.7	0.00	7.33	0.00	0	0	0	100	0.00	0.0	6.422	0.000	0	0	0	0
PL.43716	PL.43717	B	4ACSR	7.12Y	118.7	0.02	7.34	13.85	7	97	16	99	0.01	0.0	6.454	0.032	0	0	0	20
PL.43721	PL.43716	B	4ACSR	7.12Y	118.6	0.02	7.37	13.85	7	97	16	99	0.02	0.0	6.490	0.036	0	0	0	20
PL.43720	PL.43721	B	4ACSR	7.12Y	118.6	0.04	7.40	13.70	7	96	16	99	0.03	0.0	6.551	0.061	0	0	0	19
PL.43719	PL.43720	B	4ACSR	7.11Y	118.6	0.02	7.42	13.70	7	96	16	99	0.01	0.0	6.581	0.030	0	0	0	19
PL.43718	PL.43719	B	4ACSR	7.11Y	118.5	0.04	7.46	13.56	7	95	16	99	0.03	0.0	6.642	0.061	0	0	0	18
PL.1978	PL.43718	B	4ACSR	7.11Y	118.5	0.01	7.46	1.93	1	14	2	99	0.00	0.0	6.717	0.075	0	0	0	1
026934	PL.1978	B	Consumer	7.11Y	118.5	0.00	7.46	1.93	0	14	2	99	0.00	0.0	6.717	0.000	14	2	1	1
PL.26288	PL.43718	B	4ACSR	7.11Y	118.5	0.04	7.50	11.63	6	82	13	99	0.03	0.0	6.730	0.087	0	0	0	17
026928	PL.26288	B	Consumer	7.11Y	118.5	0.00	7.50	0.00	0	0	0	100	0.00	0.0	6.730	0.000	0	0	1	1

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.6233	PL.26288	B	4ACSR	7.10Y	118.4	0.15	7.65	11.63	6	82	13	99	0.10	0.1	7.028	0.298	0	0	0	16
PL.88	PL.6233	B	4ACSR	7.10Y	118.3	0.03	7.68	11.63	6	82	13	99	0.02	0.0	7.087	0.059	0	0	0	16
PL.87	PL.88	B	4ACSR	7.09Y	118.2	0.08	7.76	11.63	6	82	13	99	0.05	0.1	7.239	0.153	0	0	0	16
PL.23639	PL.87	B	4ACSR	7.09Y	118.1	0.11	7.87	11.63	6	81	13	99	0.07	0.1	7.466	0.227	0	0	0	16
036218	PL.23639	B	Consumer	7.09Y	118.1	0.00	7.87	0.00	0	0	0	100	0.00	0.0	7.466	0.000	0	0	0	0
036229	PL.23639	B	Consumer	7.09Y	118.1	0.00	7.87	0.00	0	0	0	100	0.00	0.0	7.466	0.000	0	0	0	0
036216	PL.23639	B	Consumer	7.09Y	118.1	0.00	7.87	1.48	0	10	2	98	0.00	0.0	7.466	0.000	10	2	1	1
PL.23638	PL.23639	B	4ACSR	7.09Y	118.1	0.02	7.89	10.15	5	71	12	99	0.01	0.0	7.522	0.056	0	0	0	15
PL.35668	PL.23638	B	4ACSR	7.09Y	118.1	0.01	7.90	10.15	5	71	12	99	0.00	0.0	7.542	0.019	0	0	0	15
0372023	PL.35668	B	Consumer	7.09Y	118.1	0.00	7.90	0.00	0	0	0	100	0.00	0.0	7.542	0.000	0	0	1	1
PL.35669	PL.35668	B	4ACSR	7.08Y	118.1	0.04	7.94	10.15	5	71	12	99	0.02	0.0	7.622	0.081	0	0	0	14
037211	PL.35669	B	Consumer	7.08Y	118.1	0.00	7.94	0.57	0	4	1	97	0.00	0.0	7.622	0.000	4	1	1	1
037209	PL.35669	B	Consumer	7.08Y	118.1	0.00	7.94	0.70	0	5	1	98	0.00	0.0	7.622	0.000	5	1	1	1
L PL.28631	PL.35669	B	4ACSR	7.08Y	118.0	0.06	8.00	8.89	5	62	10	99	0.03	0.0	7.786	0.163	0	0	0	12 L
L PL.28632	PL.28631	B	4ACSR	7.08Y	118.0	0.02	8.02	8.26	4	58	9	99	0.01	0.0	7.850	0.064	0	0	0	10 L
L PL.21122	PL.28632	B	4ACSR	7.08Y	118.0	0.00	8.02	0.00	0	0	0	100	0.00	0.0	7.871	0.021	0	0	0	0 L
L PL.21121	PL.21122	B	4ACSR	7.08Y	118.0	0.00	8.02	0.00	0	0	0	100	0.00	0.0	7.983	0.112	0	0	0	0 L
L PL.21120	PL.21121	B	4ACSR	7.08Y	118.0	0.00	8.02	0.00	0	0	0	100	0.00	0.0	8.017	0.034	0	0	0	0 L
L PL.2097	PL.21120	B	4ACSR	7.08Y	118.0	0.00	8.02	0.00	0	0	0	100	0.00	0.0	8.037	0.020	0	0	0	0 L
L PL.21136	PL.28632	B	4ACSR	7.08Y	118.0	0.02	8.04	8.26	4	58	9	99	0.01	0.0	7.893	0.043	0	0	0	10 L
L PL.21137	PL.21136	B	4ACSR	7.07Y	117.9	0.06	8.10	4.84	2	34	6	98	0.02	0.0	8.187	0.294	0	0	0	6 L
L PL.21119	PL.21137	B	4ACSR	7.07Y	117.9	0.00	8.10	0.76	0	5	1	98	0.00	0.0	8.234	0.047	0	0	0	1 L
L 037207	PL.21119	B	Consumer	7.07Y	117.9	0.00	8.10	0.76	0	5	1	98	0.00	0.0	8.234	0.000	5	1	1	1 L
L PL.21138	PL.21137	B	4ACSR	7.07Y	117.9	0.00	8.10	4.08	2	28	5	98	0.00	0.0	8.208	0.021	0	0	0	5 L
L PL.21118	PL.21138	B	4ACSR	7.07Y	117.9	0.00	8.10	0.00	0	0	0	100	0.00	0.0	8.349	0.141	0	0	0	0 L
L 037202	PL.21138	B	Consumer	7.07Y	117.9	0.00	8.10	0.66	0	5	1	98	0.00	0.0	8.208	0.000	5	1	1	1 L
L 037212	PL.21138	B	Consumer	7.07Y	117.9	0.00	8.10	0.95	0	7	1	99	0.00	0.0	8.208	0.000	7	1	1	1 L
L PL.23277	PL.21138	B	4ACSR	7.07Y	117.9	0.01	8.12	2.47	1	17	3	98	0.00	0.0	8.334	0.125	0	0	0	3 L
L PL.26290	PL.23277	B	4ACSR	7.07Y	117.9	0.00	8.12	0.47	0	3	1	95	0.00	0.0	8.379	0.046	0	0	0	2 L
L PL.2127	PL.26290	B	4ACSR	7.07Y	117.9	0.00	8.12	0.01	0	0	0	100	0.00	0.0	8.441	0.061	0	0	0	1 L
L 037217	PL.2127	B	Consumer	7.07Y	117.9	0.00	8.12	0.01	0	0	0	100	0.00	0.0	8.441	0.000	0	0	1	1 L
L PL.26291	PL.26290	B	4ACSR	7.07Y	117.9	0.00	8.12	0.46	0	3	1	95	0.00	0.0	8.488	0.108	0	0	0	1 L
L 037206	PL.26291	B	Consumer	7.07Y	117.9	0.00	8.12	0.46	0	3	1	95	0.00	0.0	8.488	0.000	3	1	1	1 L
L 037221	PL.23277	B	Consumer	7.07Y	117.9	0.00	8.12	2.00	0	14	2	99	0.00	0.0	8.334	0.000	14	2	1	1 L
L PL.23275	PL.21136	B	4ACSR	7.08Y	118.0	0.00	8.04	1.07	1	7	1	99	0.00	0.0	7.932	0.039	0	0	0	1 L
L PL.23276	PL.23275	B	4ACSR	7.08Y	118.0	0.00	8.04	0.00	0	0	0	100	0.00	0.0	8.162	0.230	0	0	0	0 L
L 037219	PL.23275	B	Consumer	7.08Y	118.0	0.00	8.04	1.07	0	7	1	99	0.00	0.0	7.932	0.000	7	1	1	1 L
L PL.35641	PL.21136	B	4ACSR	7.08Y	118.0	0.00	8.04	2.35	1	16	3	98	0.00	0.0	7.917	0.024	0	0	0	3 L

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Unbalanced Voltage Drop Report
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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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
L PL.35642	PL.35641	B	4ACSR	7.08Y	118.0	0.00	8.04	0.93	0	7	1	99	0.00	0.0	7.972	0.055	0	0	0	2 L
L 037220	PL.35642	B	Consumer	7.08Y	118.0	0.00	8.04	0.69	0	5	1	98	0.00	0.0	7.972	0.000	5	1	1	1 L
L 037218	PL.35642	B	Consumer	7.08Y	118.0	0.00	8.04	0.24	0	2	0	100	0.00	0.0	7.972	0.000	2	0	1	1 L
L 0372022	PL.35641	B	Consumer	7.08Y	118.0	0.00	8.04	1.42	0	10	2	98	0.00	0.0	7.917	0.000	10	2	1	1 L
L 037216	PL.28631	B	Consumer	7.08Y	118.0	0.00	8.00	0.12	0	1	0	100	0.00	0.0	7.786	0.000	1	0	1	1 L
L 037215	PL.28631	B	Consumer	7.08Y	118.0	0.00	8.00	0.51	0	4	1	97	0.00	0.0	7.786	0.000	4	1	1	1 L
PL.25737	PL.23639	B	4ACSR	7.09Y	118.1	0.00	7.87	0.00	0	0	0	100	0.00	0.0	7.469	0.003	0	0	0	0
PD.278-A	PL.25737	B	Open	7.09Y	118.1	0.00	7.87	0.00	0	0	0	100	0.00	0.0	7.469	0.000	0	0	0	0
026918	PL.43719	B	Consumer	7.11Y	118.6	0.00	7.42	0.14	0	1	0	100	0.00	0.0	6.581	0.000	1	0	1	1
026933	PL.43721	B	Consumer	7.12Y	118.6	0.00	7.37	0.15	0	1	0	100	0.00	0.0	6.490	0.000	1	0	1	1
PL.20383	PL.6229	B	4ACSR	7.14Y	119.0	0.00	6.99	1.68	1	12	2	99	0.00	0.0	5.879	0.020	0	0	0	2
PD.2773	PL.20383	B	fuse6AMP	7.14Y	119.0	0.00	6.99	1.68	29	12	2	99	0.00	0.0	5.879	0.000	0	0	0	2
PL.41075	PD.2773	B	4ACSR	7.14Y	119.0	0.00	6.99	1.68	1	12	2	99	0.00	0.0	5.889	0.010	0	0	0	2
026924	PL.41075	B	Consumer	7.14Y	119.0	0.00	6.99	1.25	0	9	1	99	0.00	0.0	5.889	0.000	9	1	1	1
PL.41076	PL.41075	B	4ACSR	7.14Y	119.0	0.00	6.99	0.44	0	3	1	95	0.00	0.0	6.063	0.174	0	0	0	1
PL.21903	PL.41076	B	4ACSR	7.14Y	119.0	0.00	7.00	0.44	0	3	1	95	0.00	0.0	6.217	0.154	0	0	0	1
PL.21904	PL.21903	B	4ACSR	7.14Y	119.0	0.00	7.00	0.44	0	3	1	95	0.00	0.0	6.246	0.029	0	0	0	1
PL.21116	PL.21904	B	4ACSR	7.14Y	119.0	0.00	7.00	0.44	0	3	1	95	0.00	0.0	6.363	0.117	0	0	0	1
036208	PL.21116	B	Consumer	7.14Y	119.0	0.00	7.00	0.44	0	3	1	95	0.00	0.0	6.363	0.000	3	1	1	1
025914	PL.42201	B	Consumer	7.15Y	119.2	0.00	6.78	0.34	0	2	0	100	0.00	0.0	5.555	0.000	2	0	1	1
025903	PL.42201	B	Consumer	7.15Y	119.2	0.00	6.78	0.59	0	4	1	97	0.00	0.0	5.555	0.000	4	1	1	1
PL.6230	PL.6231	B	4ACSR	7.15Y	119.2	0.05	6.80	9.81	5	69	11	99	0.03	0.0	5.620	0.114	0	0	0	10
025918	PL.6230	B	Consumer	7.15Y	119.2	0.00	6.80	0.26	0	2	0	100	0.00	0.0	5.620	0.000	2	0	1	1
PL.43485	PL.6230	B	4ACSR	7.14Y	119.0	0.24	7.04	9.56	5	67	11	99	0.13	0.2	6.202	0.581	0	0	0	9
PL.43486	PL.43485	B	4ACSR	7.14Y	118.9	0.02	7.06	9.47	5	67	11	99	0.01	0.0	6.253	0.052	0	0	0	8
PL.22216	PL.43486	B	4ACSR	7.14Y	118.9	0.02	7.08	4.32	2	30	5	99	0.01	0.0	6.366	0.113	0	0	0	3
PL.41526	PL.22216	B	4ACSR	7.14Y	118.9	0.00	7.08	4.32	2	30	5	99	0.00	0.0	6.375	0.009	0	0	0	3
PD.7460	PL.41526	B	fuse6AMP	7.14Y	118.9	0.00	7.08	4.32	74	30	5	99	0.00	0.0	6.375	0.000	0	0	0	3
PL.41527	PD.7460	B	4ACSR	7.13Y	118.9	0.03	7.11	4.32	2	30	5	99	0.01	0.0	6.549	0.174	0	0	0	3
025907	PL.41527	B	Consumer	7.13Y	118.9	0.00	7.11	0.59	0	4	1	97	0.00	0.0	6.549	0.000	4	1	1	1
025906	PL.41527	B	Consumer	7.13Y	118.9	0.00	7.11	0.92	0	7	1	99	0.00	0.0	6.549	0.000	7	1	1	1
PL.22215	PL.41527	B	4ACSR	7.13Y	118.9	0.02	7.13	2.80	1	20	3	99	0.00	0.0	6.674	0.124	0	0	0	1
PL.22214	PL.22215	B	4ACSR	7.13Y	118.9	0.01	7.13	2.80	1	20	3	99	0.00	0.0	6.720	0.046	0	0	0	1
0259022	PL.22214	B	Consumer	7.13Y	118.9	0.00	7.13	2.80	0	20	3	99	0.00	0.0	6.720	0.000	20	3	1	1
PL.6234	PL.22216	B	4ACSR	7.14Y	118.9	0.00	7.08	0.00	0	0	0	100	0.00	0.0	6.391	0.025	0	0	0	0
PL.6235	PL.6234	B	4ACSR	7.14Y	118.9	0.00	7.08	0.00	0	0	0	100	0.00	0.0	6.424	0.033	0	0	0	0
PL.1712	PL.6235	B	4ACSR	7.14Y	118.9	0.00	7.08	0.00	0	0	0	100	0.00	0.0	6.577	0.152	0	0	0	0
PL.1713	PL.1712	B	4ACSR	7.14Y	118.9	0.00	7.08	0.00	0	0	0	100	0.00	0.0	6.900	0.323	0	0	0	0

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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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.1714	PL.1713	B	4ACSR	7.14Y	118.9	0.00	7.08	0.00	0	0	0	100	0.00	0.0	6.968	0.068	0	0	0	0
PL.18463	PL.43486	B	4ACSR	7.13Y	118.8	0.09	7.15	5.16	3	36	6	99	0.03	0.1	6.673	0.420	0	0	0	5
C PD.226	PL.18463	B	fuse6AMP	7.13Y	118.8	0.00	7.15	5.16	88	36	6	99	0.00	0.0	6.673	0.000	0	0	0	5 C
PL.18206	PD.226	B	4ACSR	7.13Y	118.8	0.01	7.16	5.16	3	36	6	99	0.00	0.0	6.701	0.028	0	0	0	5
PL.43762	PL.18206	B	4ACSR	7.13Y	118.8	0.04	7.20	5.16	3	36	6	99	0.01	0.0	6.886	0.185	0	0	0	5
PL.43763	PL.43762	B	4ACSR	7.12Y	118.7	0.13	7.33	5.16	3	36	6	99	0.04	0.1	7.468	0.582	0	0	0	5
PL.26286	PL.43763	B	4ACSR	7.12Y	118.7	0.01	7.34	4.40	2	31	5	99	0.00	0.0	7.539	0.071	0	0	0	4
PL.41522	PL.26286	B	4ACSR	7.12Y	118.7	0.00	7.34	3.41	2	24	4	99	0.00	0.0	7.546	0.007	0	0	0	3
PD.7458	PL.41522	B	fuse6AMP	7.12Y	118.7	0.00	7.34	3.41	58	24	4	99	0.00	0.0	7.546	0.000	0	0	0	3
PL.41523	PD.7458	B	4ACSR	7.12Y	118.6	0.01	7.35	3.41	2	24	4	99	0.00	0.0	7.608	0.063	0	0	0	3
PL.6236	PL.41523	B	4ACSR	7.12Y	118.6	0.01	7.37	2.89	1	20	3	99	0.00	0.0	7.727	0.119	0	0	0	2
025807	PL.6236	B	Consumer	7.12Y	118.6	0.00	7.37	0.28	0	2	0	100	0.00	0.0	7.727	0.000	2	0	1	1
PL.6237	PL.6236	B	4ACSR	7.12Y	118.6	0.01	7.38	2.61	1	18	3	99	0.00	0.0	7.817	0.090	0	0	0	1
025802	PL.6237	B	Consumer	7.12Y	118.6	0.00	7.38	2.61	0	18	3	99	0.00	0.0	7.817	0.000	18	3	1	1
025806	PL.41523	B	Consumer	7.12Y	118.6	0.00	7.35	0.53	0	4	1	97	0.00	0.0	7.608	0.000	4	1	1	1
PL.41524	PL.26286	B	4ACSR	7.12Y	118.7	0.00	7.34	0.99	1	7	1	99	0.00	0.0	7.551	0.012	0	0	0	1
PD.7459	PL.41524	B	fuse6AMP	7.12Y	118.7	0.00	7.34	0.99	17	7	1	99	0.00	0.0	7.551	0.000	0	0	0	1
PL.41525	PD.7459	B	4ACSR	7.12Y	118.7	0.00	7.35	0.99	1	7	1	99	0.00	0.0	7.614	0.063	0	0	0	1
PL.40583	PL.41525	B	4ACSR	7.12Y	118.7	0.00	7.35	0.99	1	7	1	99	0.00	0.0	7.656	0.042	0	0	0	1
PL.40584	PL.40583	B	4ACSR	7.12Y	118.7	0.00	7.35	0.99	1	7	1	99	0.00	0.0	7.689	0.034	0	0	0	1
PL.21907	PL.40584	B	4ACSR	7.12Y	118.6	0.00	7.35	0.99	1	7	1	99	0.00	0.0	7.775	0.086	0	0	0	1
025805	PL.21907	B	Consumer	7.12Y	118.6	0.00	7.35	0.99	0	7	1	99	0.00	0.0	7.775	0.000	7	1	1	1
PL.41520	PL.43763	B	4ACSR	7.12Y	118.7	0.00	7.33	0.76	0	5	1	98	0.00	0.0	7.477	0.009	0	0	0	1
PD.7457	PL.41520	B	fuse6AMP	7.12Y	118.7	0.00	7.33	0.76	13	5	1	98	0.00	0.0	7.477	0.000	0	0	0	1
PL.41521	PD.7457	B	4ACSR	7.12Y	118.7	0.00	7.33	0.76	0	5	1	98	0.00	0.0	7.521	0.044	0	0	0	1
025804	PL.41521	B	Consumer	7.12Y	118.7	0.00	7.33	0.76	0	5	1	98	0.00	0.0	7.521	0.000	5	1	1	1
0258008	PL.43762	B	Consumer	7.13Y	118.8	0.00	7.20	0.00	0	0	0	100	0.00	0.0	6.886	0.000	0	0	0	0
PL.1977	PL.18206	B	4ACSR	7.13Y	118.8	0.00	7.16	0.00	0	0	0	100	0.00	0.0	6.762	0.061	0	0	0	0
025921	PL.43485	B	Consumer	7.14Y	119.0	0.00	7.04	0.08	0	1	0	100	0.00	0.0	6.202	0.000	1	0	1	1
025916	PL.19093	B	Consumer	7.16Y	119.4	0.00	6.64	0.72	0	5	2	93	0.00	0.0	5.424	0.000	5	2	1	1
025919	PL.19092	B	Consumer	7.17Y	119.5	0.00	6.54	0.17	0	1	0	100	0.00	0.0	5.359	0.000	1	0	1	1
025904	PL.6232	B	Consumer	7.18Y	119.6	0.00	6.37	0.36	0	3	0	100	0.00	0.0	5.236	0.000	3	0	1	1
035220	PL.20052	B	Consumer	7.19Y	119.9	0.00	6.13	1.63	0	12	2	99	0.00	0.0	5.051	0.000	12	2	1	1
035213	PL.20052	B	Consumer	7.19Y	119.9	0.00	6.13	0.00	0	0	0	100	0.00	0.0	5.051	0.000	0	0	0	0
035210	PL.20052	B	Consumer	7.19Y	119.9	0.00	6.13	0.92	0	7	1	99	0.00	0.0	5.051	0.000	7	1	1	1
035208	PL.20052	B	Consumer	7.19Y	119.9	0.00	6.13	0.00	0	0	0	100	0.00	0.0	5.051	0.000	0	0	0	0
035218	PL.42199	B	Consumer	7.21Y	120.2	0.00	5.78	1.94	0	14	2	99	0.00	0.0	4.785	0.000	14	2	1	1
PL.20456	PL.18003	B	4ACSR	7.23Y	120.5	0.00	5.52	0.00	0	0	0	100	0.00	0.0	4.613	0.011	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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
	PD.1276	PL.20456	B	fuse6AMP	7.23Y	120.5	0.00	5.52	0.00	0	0	0	100	0.00	0.0	4.613	0.000	0	0	0	0	
	PL.20457	PD.1276	B	4ACSR	7.23Y	120.5	0.00	5.52	0.00	0	0	0	100	0.00	0.0	4.644	0.030	0	0	0	0	
	035202	PL.20457	B	Consumer	7.23Y	120.5	0.00	5.52	0.00	0	0	0	100	0.00	0.0	4.644	0.000	0	0	0	0	
	PL.40288	PL.39508	B	2ACSR	7.26Y	121.1	0.00	4.95	1.06	0	8	1	99	0.00	0.0	4.212	0.024	0	0	0	1	
	034243	PL.40288	B	Consumer	7.26Y	121.1	0.00	4.95	1.06	0	8	1	99	0.00	0.0	4.212	0.000	8	1	1	1	
	034244	PL.27957	B	Consumer	7.27Y	121.2	0.00	4.79	0.01	0	0	0	100	0.00	0.0	4.125	0.000	0	0	1	1	
	PL.42196	PL.42188	A	2ACSR	7.46Y	124.3	0.00	1.73	2.54	1	16	10	85	0.00	0.0	3.878	0.007	0	0	0	0	
			B		7.32Y	121.9	0.00	4.06	2.59	1	16	10	86					0	0	0	0	
			C		7.48Y	124.7	0.00	1.27	3.17	1	21	12	87					0	0	0	1	
	PD.7642	PL.42196	A	fuse6AMP	7.46Y	124.3	0.00	1.73	2.54	43	16	10	85	0.00	0.0	3.878	0.000	0	0	0	0	
			B		7.32Y	121.9	0.00	4.06	2.59	44	16	10	86					0	0	0	0	
			C		7.48Y	124.7	0.00	1.27	3.17	54	21	12	87					0	0	0	1	
	PL.42197	PD.7642	A	2ACSR	7.46Y	124.3	0.00	1.73	2.54	1	16	10	85	0.00	0.0	3.905	0.027	0	0	0	0	
			B		7.32Y	121.9	0.00	4.06	2.59	1	16	10	86					0	0	0	0	
			C		7.48Y	124.7	0.00	1.27	3.17	1	21	12	87					0	0	0	1	
	034233	PL.42197	C	Consumer	7.48Y	124.7	0.00	1.27	0.64	0	4	2	89	0.00	0.0	3.905	0.000	4	2	1	1	
	PL.45302	PL.42197	A	2ACSR	7.46Y	124.3	0.00	1.73	2.54	1	16	10	85	0.00	0.0	3.924	0.019	0	0	0	0	
			B		7.32Y	121.9	0.00	4.07	2.59	1	16	10	86					0	0	0	0	
			C		7.48Y	124.7	0.00	1.27	2.53	1	16	10	86					0	0	0	0	
	PL.45303	PL.45302	A	2ACSR	7.46Y	124.3	0.00	1.73	2.54	1	16	10	85	0.00	0.0	3.930	0.006	0	0	0	0	
			B		7.32Y	121.9	0.00	4.07	2.59	1	16	10	86					0	0	0	0	
			C		7.48Y	124.7	0.00	1.27	2.53	1	16	10	86					0	0	0	0	
P	PL.33085	PL.45303	A	1/0EPRJCN	7.46Y	124.3	-0.00	1.73	-0.05	0	0	0	100	0.00	0.0	4.002	0.072	0	0	0	0	P
			B		7.32Y	121.9	-0.00	4.07	-0.04	0	0	0	0					0	0	0	0	
P			C		7.48Y	124.7	-0.00	1.27	-0.05	0	0	0	0					0	0	0	0	P
	0342051	PL.33085	C	Consumer	7.48Y	124.7	0.00	1.27	0.00	0	0	0	100	0.00	0.0	4.002	0.000	0	0	0	0	
	PL.33087	PL.45303	A	2ACSR	7.46Y	124.3	0.00	1.73	2.56	1	16	10	85	0.00	0.0	3.939	0.009	0	0	0	0	
			B		7.32Y	121.9	0.00	4.07	2.61	1	16	10	85					0	0	0	0	
			C		7.48Y	124.7	0.00	1.27	2.55	1	16	10	85					0	0	0	0	
	0342050	PL.33087	A	Consumer	7.46Y	124.3	0.00	1.73	2.56	0	16	10	85	0.00	0.0	3.939	0.000	16	10	0	0	
			B		7.32Y	121.9	0.00	4.07	2.61	0	16	10	85					16	10	0	0	
			C		7.48Y	124.7	0.00	1.27	2.55	0	16	10	85					16	10	0	0	
	0342053	PL.45302	A	Consumer	7.46Y	124.3	0.00	1.73	0.00	0	0	0	100	0.00	0.0	3.924	0.000	0	0	0	0	
	034205	PL.19900	B	Consumer	7.39Y	123.1	0.00	2.86	1.55	0	11	2	98	0.00	0.0	3.463	0.000	11	2	1	1	
	034248	PL.19899	B	Consumer	7.41Y	123.5	0.00	2.53	1.27	0	9	2	98	0.00	0.0	3.354	0.000	9	2	1	1	
	034245	PL.21377	B	Consumer	7.44Y	124.0	0.00	1.96	0.00	0	0	0	100	0.00	0.0	3.172	0.000	0	0	1	1	
	PL.42189	PL.21377	A	4ACSR	7.51Y	125.2	0.00	0.81	1.88	1	14	2	99	0.00	0.0	3.176	0.004	0	0	0	1	
	PD.7640	PL.42189	A	fuse6AMP	7.51Y	125.2	0.00	0.81	1.88	32	14	2	99	0.00	0.0	3.176	0.000	0	0	0	1	
	PL.42190	PD.7640	A	4ACSR	7.51Y	125.2	0.00	0.82	1.88	1	14	2	99	0.00	0.0	3.228	0.052	0	0	0	1	
	PL.1741	PL.42190	A	4ACSR	7.51Y	125.2	0.01	0.83	1.88	1	14	2	99	0.00	0.0	3.330	0.102	0	0	0	1	
	034229	PL.1741	A	Consumer	7.51Y	125.2	0.00	0.83	1.88	0	14	2	99	0.00	0.0	3.330	0.000	14	2	1	1	
	PL.23844	PL.6294	B	4ACSR	7.47Y	124.4	0.02	1.57	4.87	3	36	6	99	0.01	0.0	3.031	0.089	0	0	0	10	
	PL.26036	PL.23844	B	4ACSR	7.47Y	124.4	0.00	1.57	2.66	1	20	3	99	0.00	0.0	3.049	0.018	0	0	0	5	
	PL.1750	PL.26036	B	4ACSR	7.47Y	124.4	0.00	1.57	1.81	1	13	2	99	0.00	0.0	3.084	0.035	0	0	0	2	
	033274	PL.1750	B	Consumer	7.47Y	124.4	0.00	1.57	0.85	0	6	1	99	0.00	0.0	3.084	0.000	6	1	1	1	
	0332104	PL.1750	B	Consumer	7.47Y	124.4	0.00	1.57	0.96	0	7	1	99	0.00	0.0	3.084	0.000	7	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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
034215	PL.26036	B	Consumer	7.47Y	124.4	0.00	1.57	0.41	0	3	0	100	0.00	0.0	3.049	0.000	3	0	1	1
033271	PL.26036	B	Consumer	7.47Y	124.4	0.00	1.57	0.42	0	3	1	95	0.00	0.0	3.049	0.000	3	1	1	1
034249	PL.26036	B	Consumer	7.47Y	124.4	0.00	1.57	0.02	0	0	0	100	0.00	0.0	3.049	0.000	0	0	1	1
PL.11976	PL.23844	B	4ACSR	7.47Y	124.4	0.00	1.57	1.63	1	12	2	99	0.00	0.0	3.039	0.008	0	0	0	4
PL.26035	PL.11976	B	4ACSR	7.47Y	124.4	0.00	1.57	1.63	1	12	2	99	0.00	0.0	3.065	0.027	0	0	0	4
033272	PL.26035	B	Consumer	7.47Y	124.4	0.00	1.57	0.44	0	3	1	95	0.00	0.0	3.065	0.000	3	1	1	1
033219	PL.26035	B	Consumer	7.47Y	124.4	0.00	1.57	0.35	0	3	0	100	0.00	0.0	3.065	0.000	3	0	1	1
033273	PL.26035	B	Consumer	7.47Y	124.4	0.00	1.57	0.28	0	2	0	100	0.00	0.0	3.065	0.000	2	0	1	1
033269	PL.26035	B	Consumer	7.47Y	124.4	0.00	1.57	0.57	0	4	1	97	0.00	0.0	3.065	0.000	4	1	1	1
0332108	PL.23844	B	Consumer	7.47Y	124.4	0.00	1.57	0.00	0	0	0	100	0.00	0.0	3.031	0.000	0	0	0	0
033270	PL.23844	B	Consumer	7.47Y	124.4	0.00	1.57	0.58	0	4	1	97	0.00	0.0	3.031	0.000	4	1	1	1
P CP.2	PL.28038	A	Cap (150)	7.54Y	125.6	0.00	0.39	-7.27	0	0	-55	0	0.00	0.0	2.775	0.000	0	0	0	0 P
		B		7.50Y	125.0	0.00	0.96	-7.24	0	0	-54	0					0	0	0	0
P		C		7.53Y	125.5	0.00	0.45	-7.27	0	0	-55	0					0	0	0	0 P
034326	PL.6295	B	Consumer	7.52Y	125.3	0.00	0.66	0.35	0	2	1	89	0.00	0.0	2.691	0.000	2	1	1	1
034328	PL.6295	B	Consumer	7.52Y	125.3	0.00	0.66	0.00	0	0	0	100	0.00	0.0	2.691	0.000	0	0	0	0
034342	PL.6295	B	Consumer	7.52Y	125.3	0.00	0.66	0.77	0	5	3	86	0.00	0.0	2.691	0.000	5	3	1	1
0343109	PL.6295	C	Consumer	7.54Y	125.7	0.00	0.30	3.50	0	24	12	89	0.00	0.0	2.691	0.000	24	12	1	1
0343100	PL.6295	B	Consumer	7.52Y	125.3	0.00	0.66	0.00	0	0	0	100	0.00	0.0	2.691	0.000	0	0	0	0
0343108	PL.6295	B	Consumer	7.52Y	125.3	0.00	0.66	0.39	0	3	0	100	0.00	0.0	2.691	0.000	3	0	1	1
034327	PL.6295	B	Consumer	7.52Y	125.3	0.00	0.66	0.00	0	0	0	100	0.00	0.0	2.691	0.000	0	0	0	0
034355	PL.6295	B	Consumer	7.52Y	125.3	0.00	0.66	0.00	0	0	0	100	0.00	0.0	2.691	0.000	0	0	1	1
034321	PL.6295	C	Consumer	7.54Y	125.7	0.00	0.30	2.19	0	15	7	91	0.00	0.0	2.691	0.000	15	7	1	1
034358	PL.6295	B	Consumer	7.52Y	125.3	0.00	0.66	0.00	0	0	0	100	0.00	0.0	2.691	0.000	0	0	0	0
PL.1744	PL.6296	B	4ACSR	7.53Y	125.4	0.00	0.57	0.00	0	0	0	100	0.00	0.0	2.843	0.177	0	0	0	0
PL.1746	PL.1744	B	4ACSR	7.53Y	125.4	0.00	0.57	0.00	0	0	0	100	0.00	0.0	2.989	0.146	0	0	0	0
PL.1747	PL.1746	B	4ACSR	7.53Y	125.4	0.00	0.57	0.00	0	0	0	100	0.00	0.0	3.093	0.104	0	0	0	0
034322	PL.6296	B	Consumer	7.53Y	125.4	0.00	0.57	0.87	0	6	1	99	0.00	0.0	2.666	0.000	6	1	1	1
034302	PL.6296	B	Consumer	7.53Y	125.4	0.00	0.57	0.39	0	3	0	100	0.00	0.0	2.666	0.000	3	0	1	1
034332	PL.6296	B	Consumer	7.53Y	125.4	0.00	0.57	0.22	0	2	0	100	0.00	0.0	2.666	0.000	2	0	1	1
034361	PL.6296	B	Consumer	7.53Y	125.4	0.00	0.57	2.18	0	16	3	98	0.00	0.0	2.666	0.000	16	3	1	1
PL.28164	PL.6296	B	4ACSR	7.52Y	125.4	0.04	0.61	10.19	5	74	18	97	0.02	0.0	2.759	0.093	0	0	0	20
PL.28165	PL.28164	B	4ACSR	7.52Y	125.4	0.01	0.62	3.02	2	22	4	98	0.00	0.0	2.815	0.056	0	0	0	9
033324	PL.28165	B	Consumer	7.52Y	125.4	0.00	0.62	0.48	0	4	1	97	0.00	0.0	2.815	0.000	4	1	1	1
033329	PL.28165	B	Consumer	7.52Y	125.4	0.00	0.62	0.00	0	0	0	100	0.00	0.0	2.815	0.000	0	0	1	1
033322	PL.28165	B	Consumer	7.52Y	125.4	0.00	0.62	0.44	0	3	1	95	0.00	0.0	2.815	0.000	3	1	1	1
033325	PL.28165	B	Consumer	7.52Y	125.4	0.00	0.62	0.11	0	1	0	100	0.00	0.0	2.815	0.000	1	0	1	1
033321	PL.28165	B	Consumer	7.52Y	125.4	0.00	0.62	0.46	0	3	1	95	0.00	0.0	2.815	0.000	3	1	1	1
033320	PL.28165	B	Consumer	7.52Y	125.4	0.00	0.62	0.25	0	2	0	100	0.00	0.0	2.815	0.000	2	0	1	1

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
033323	PL.28165	B	Consumer	7.52Y	125.4	0.00	0.62	0.42	0	3	1	95	0.00	0.0	2.815	0.000	3	1	1	1
033319	PL.28165	B	Consumer	7.52Y	125.4	0.00	0.62	0.43	0	3	1	95	0.00	0.0	2.815	0.000	3	1	1	1
033326	PL.28165	B	Consumer	7.52Y	125.4	0.00	0.62	0.42	0	3	1	95	0.00	0.0	2.815	0.000	3	1	1	1
033315	PL.28164	B	Consumer	7.52Y	125.4	0.00	0.61	0.51	0	4	1	97	0.00	0.0	2.759	0.000	4	1	1	1
033328	PL.28164	B	Consumer	7.52Y	125.4	0.00	0.61	0.05	0	0	0	100	0.00	0.0	2.759	0.000	0	0	1	1
033316	PL.28164	B	Consumer	7.52Y	125.4	0.00	0.61	0.54	0	4	1	97	0.00	0.0	2.759	0.000	4	1	1	1
033314	PL.28164	B	Consumer	7.52Y	125.4	0.00	0.61	2.92	0	20	10	89	0.00	0.0	2.759	0.000	20	10	1	1
033317	PL.28164	B	Consumer	7.52Y	125.4	0.00	0.61	0.52	0	4	1	97	0.00	0.0	2.759	0.000	4	1	1	1
033318	PL.28164	B	Consumer	7.52Y	125.4	0.00	0.61	0.63	0	5	1	98	0.00	0.0	2.759	0.000	5	1	1	1
033327	PL.28164	B	Consumer	7.52Y	125.4	0.00	0.61	0.00	0	0	0	100	0.00	0.0	2.759	0.000	0	0	1	1
033313	PL.28164	B	Consumer	7.52Y	125.4	0.00	0.61	0.61	0	5	1	98	0.00	0.0	2.759	0.000	5	1	1	1
033312	PL.28164	B	Consumer	7.52Y	125.4	0.00	0.61	0.54	0	4	1	97	0.00	0.0	2.759	0.000	4	1	1	1
033311	PL.28164	B	Consumer	7.52Y	125.4	0.00	0.61	0.46	0	3	1	95	0.00	0.0	2.759	0.000	3	1	1	1
033310	PL.28164	B	Consumer	7.52Y	125.4	0.00	0.61	0.48	0	4	1	97	0.00	0.0	2.759	0.000	4	1	1	1
L 034345	PL.17420	B	Consumer	7.08Y	117.9	0.00	8.07	0.65	0	5	1	98	0.00	0.0	2.411	0.000	5	1	1	1 L
L 034304	PL.17420	B	Consumer	7.08Y	117.9	0.00	8.07	1.16	0	8	1	99	0.00	0.0	2.411	0.000	8	1	1	1 L
L 034330	PL.17420	B	Consumer	7.08Y	117.9	0.00	8.07	0.43	0	3	0	100	0.00	0.0	2.411	0.000	3	0	1	1 L
L 034324	PL.17420	B	Consumer	7.08Y	117.9	0.00	8.07	0.71	0	5	1	98	0.00	0.0	2.411	0.000	5	1	1	1 L
PL.42952	PL.26032	A	4ACSR	7.29Y	121.5	0.00	4.49	1.66	1	12	2	99	0.00	0.0	2.313	0.004	0	0	0	3
PD.8196	PL.42952	A	fuse6AMP	7.29Y	121.5	0.00	4.49	1.66	28	12	2	99	0.00	0.0	2.313	0.000	0	0	0	3
PL.45895	PD.8196	A	4ACSR	7.29Y	121.5	0.00	4.49	1.66	1	12	2	99	0.00	0.0	2.327	0.014	0	0	0	3
PL.45896	PL.45895	A	4ACSR	7.29Y	121.5	0.00	4.49	1.66	1	12	2	99	0.00	0.0	2.338	0.011	0	0	0	3
034399	PL.45896	A	Consumer	7.29Y	121.5	0.00	4.49	0.07	0	0	0	100	0.00	0.0	2.338	0.000	0	0	1	1
034336	PL.45896	A	Consumer	7.29Y	121.5	0.00	4.49	1.10	0	8	1	99	0.00	0.0	2.338	0.000	8	1	1	1
0343102	PL.45896	A	Consumer	7.29Y	121.5	0.00	4.49	0.50	0	4	1	97	0.00	0.0	2.338	0.000	4	1	1	1
0343112	PL.45895	A	Consumer	7.29Y	121.5	0.00	4.49	0.00	0	0	0	100	0.00	0.0	2.327	0.000	0	0	0	0
PL.42948	PL.21584	A	2ACSR	7.30Y	121.7	0.00	4.33	3.21	1	23	4	99	0.00	0.0	2.233	0.004	0	0	0	8
PD.8194	PL.42948	A	fuse6AMP	7.30Y	121.7	0.00	4.33	3.21	55	23	4	99	0.00	0.0	2.233	0.000	0	0	0	8
PL.42949	PD.8194	A	2ACSR	7.30Y	121.7	0.00	4.33	3.21	1	23	4	99	0.00	0.0	2.237	0.005	0	0	0	8
PL.30989	PL.42949	A	4ACSR	7.30Y	121.7	0.00	4.34	3.21	2	23	4	99	0.00	0.0	2.253	0.015	0	0	0	8
034387	PL.30989	A	Consumer	7.30Y	121.7	0.00	4.34	0.29	0	2	0	100	0.00	0.0	2.253	0.000	2	0	1	1
034383	PL.30989	A	Consumer	7.30Y	121.7	0.00	4.34	0.64	0	5	1	98	0.00	0.0	2.253	0.000	5	1	1	1
034386	PL.30989	A	Consumer	7.30Y	121.7	0.00	4.34	0.46	0	3	1	95	0.00	0.0	2.253	0.000	3	1	1	1
034385	PL.30989	A	Consumer	7.30Y	121.7	0.00	4.34	0.53	0	4	1	97	0.00	0.0	2.253	0.000	4	1	1	1
034382	PL.30989	A	Consumer	7.30Y	121.7	0.00	4.34	0.06	0	0	0	100	0.00	0.0	2.253	0.000	0	0	1	1
034381	PL.30989	A	Consumer	7.30Y	121.7	0.00	4.34	0.52	0	4	1	97	0.00	0.0	2.253	0.000	4	1	1	1
034384	PL.30989	A	Consumer	7.30Y	121.7	0.00	4.34	0.41	0	3	0	100	0.00	0.0	2.253	0.000	3	0	1	1
034388	PL.30989	A	Consumer	7.30Y	121.7	0.00	4.34	0.30	0	2	0	100	0.00	0.0	2.253	0.000	2	0	1	1

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Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.17421	PL.26028	A	4ACSR	7.30Y	121.7	0.00	4.27	13.79	7	99	16	99	0.00	0.0	2.203	0.006	0	0	0	23
PD.3415	PL.17421	A	50L	7.30Y	121.7	0.00	4.27	13.79	28	99	16	99	0.00	0.0	2.203	0.000	0	0	0	23
PL.17422	PD.3415	A	4ACSR	7.30Y	121.7	0.02	4.29	13.79	7	99	16	99	0.01	0.0	2.234	0.031	0	0	0	23
0343110	PL.17422	A	Consumer	7.30Y	121.7	0.00	4.29	0.65	0	5	1	98	0.00	0.0	2.234	0.000	5	1	1	1
034329	PL.17422	A	Consumer	7.30Y	121.7	0.00	4.29	0.45	0	3	1	95	0.00	0.0	2.234	0.000	3	1	1	1
PL.20172	PL.17422	A	4ACSR	7.30Y	121.6	0.10	4.40	12.70	7	91	15	99	0.07	0.1	2.425	0.191	0	0	0	21
PL.20171	PL.20172	A	4ACSR	7.30Y	121.6	0.00	4.40	0.00	0	0	0	100	0.00	0.0	2.441	0.016	0	0	0	0
548101	PL.20171	A	Consumer	7.30Y	121.6	0.00	4.40	0.00	0	0	0	100	0.00	0.0	2.441	0.000	0	0	0	0
PL.20173	PL.20172	A	4ACSR	7.29Y	121.4	0.17	4.56	12.70	7	91	15	99	0.12	0.1	2.729	0.304	0	0	0	21
PL.26029	PL.20173	A	4ACSR	7.29Y	121.4	0.02	4.58	11.09	6	80	13	99	0.01	0.0	2.768	0.039	0	0	0	19
034364	PL.26029	A	Consumer	7.29Y	121.4	0.00	4.58	0.48	0	3	1	95	0.00	0.0	2.768	0.000	3	1	1	1
034352	PL.26029	A	Consumer	7.29Y	121.4	0.00	4.58	0.43	0	3	1	95	0.00	0.0	2.768	0.000	3	1	1	1
034360	PL.26029	A	Consumer	7.29Y	121.4	0.00	4.58	0.08	0	1	0	100	0.00	0.0	2.768	0.000	1	0	1	1
PL.42217	PL.26029	A	4ACSR	7.28Y	121.4	0.00	4.59	7.79	4	56	9	99	0.00	0.0	2.776	0.009	0	0	0	12
PD.7650-A	PL.42217	A	Closed	7.28Y	121.4	0.00	4.59	7.79	0	56	9	99	0.00	0.0	2.776	0.000	0	0	0	12
PD.7650-B	PD.7650-A	A	Closed	7.28Y	121.4	0.00	4.59	7.79	0	56	9	99	0.00	0.0	2.776	0.000	0	0	0	12
PL.42218	PD.7650-B	A	4ACSR	7.28Y	121.4	0.02	4.60	7.79	4	56	9	99	0.01	0.0	2.824	0.048	0	0	0	12
PL.6291	PL.42218	A	4ACSR	7.28Y	121.4	0.03	4.63	5.70	3	41	7	99	0.01	0.0	2.952	0.128	0	0	0	10
034333	PL.6291	A	Consumer	7.28Y	121.4	0.00	4.63	0.22	0	2	0	100	0.00	0.0	2.952	0.000	2	0	1	1
034315	PL.6291	A	Consumer	7.28Y	121.4	0.00	4.63	0.46	0	3	1	95	0.00	0.0	2.952	0.000	3	1	1	1
034363	PL.6291	A	Consumer	7.28Y	121.4	0.00	4.63	0.09	0	1	0	100	0.00	0.0	2.952	0.000	1	0	1	1
PL.19691	PL.6291	A	4ACSR	7.28Y	121.4	0.00	4.64	4.93	3	35	6	99	0.00	0.0	2.971	0.019	0	0	0	7
034371	PL.19691	A	Consumer	7.28Y	121.4	0.00	4.64	1.61	0	12	2	99	0.00	0.0	2.971	0.000	12	2	1	1
PL.19692	PL.19691	A	4ACSR	7.28Y	121.4	0.00	4.64	3.32	2	24	4	99	0.00	0.0	2.984	0.014	0	0	0	6
PL.26031	PL.19692	A	4ACSR	7.28Y	121.4	0.00	4.64	2.92	2	21	3	99	0.00	0.0	3.020	0.036	0	0	0	5
PL.28158	PL.26031	A	4ACSR	7.28Y	121.3	0.01	4.65	2.92	2	21	3	99	0.00	0.0	3.075	0.055	0	0	0	5
PL.28159	PL.28158	A	4ACSR	7.28Y	121.3	0.02	4.67	2.92	2	21	3	99	0.00	0.0	3.208	0.133	0	0	0	5
PL.27859	PL.28159	A	4ACSR	7.28Y	121.3	0.00	4.67	1.45	1	10	2	98	0.00	0.0	3.252	0.045	0	0	0	3
PL.28160	PL.27859	A	4ACSR	7.28Y	121.3	0.00	4.67	1.45	1	10	2	98	0.00	0.0	3.313	0.061	0	0	0	3
035368	PL.28160	A	Consumer	7.28Y	121.3	0.00	4.67	0.85	0	6	1	99	0.00	0.0	3.313	0.000	6	1	1	1
PL.28161	PL.28160	A	4ACSR	7.28Y	121.3	0.00	4.68	0.59	0	4	1	97	0.00	0.0	3.371	0.058	0	0	0	2
035369	PL.28161	A	Consumer	7.28Y	121.3	0.00	4.68	0.48	0	3	1	95	0.00	0.0	3.371	0.000	3	1	1	1
035341	PL.28161	A	Consumer	7.28Y	121.3	0.00	4.68	0.11	0	1	0	100	0.00	0.0	3.371	0.000	1	0	1	1
035370	PL.28159	A	Consumer	7.28Y	121.3	0.00	4.67	1.07	0	8	1	99	0.00	0.0	3.208	0.000	8	1	1	1
035325	PL.28159	A	Consumer	7.28Y	121.3	0.00	4.67	0.40	0	3	0	100	0.00	0.0	3.208	0.000	3	0	1	1
035351	PL.28159	A	Consumer	7.28Y	121.3	0.00	4.67	0.00	0	0	0	100	0.00	0.0	3.208	0.000	0	0	0	0
034366	PL.19692	A	Consumer	7.28Y	121.4	0.00	4.64	0.41	0	3	0	100	0.00	0.0	2.984	0.000	3	0	1	1
034350	PL.42218	A	Consumer	7.28Y	121.4	0.00	4.60	0.75	0	5	1	98	0.00	0.0	2.824	0.000	5	1	1	1

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Unbalanced Voltage Drop Report
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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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
034349	PL.42218	A	Consumer	7.28Y	121.4	0.00	4.60	1.34	0	10	2	98	0.00	0.0	2.824	0.000	10	2	1	1
PL.42215	PL.26029	A	4ACSR	7.28Y	121.4	0.00	4.58	2.30	1	17	3	98	0.00	0.0	2.781	0.013	0	0	0	4
PD.7649	PL.42215	A	fuse6AMP	7.28Y	121.4	0.00	4.58	2.30	39	17	3	98	0.00	0.0	2.781	0.000	0	0	0	4
PL.42216	PD.7649	A	4ACSR	7.28Y	121.4	0.00	4.59	2.30	1	17	3	98	0.00	0.0	2.816	0.035	0	0	0	4
PL.21586	PL.42216	A	4ACSR	7.28Y	121.4	0.01	4.60	1.94	1	14	2	99	0.00	0.0	2.988	0.172	0	0	0	3
0343103	PL.21586	A	Consumer	7.28Y	121.4	0.00	4.60	1.02	0	7	1	99	0.00	0.0	2.988	0.000	7	1	1	1
PL.21587	PL.21586	A	4ACSR	7.28Y	121.4	0.00	4.60	0.92	0	7	1	99	0.00	0.0	3.028	0.040	0	0	0	2
034367	PL.21587	A	Consumer	7.28Y	121.4	0.00	4.60	0.63	0	4	1	97	0.00	0.0	3.028	0.000	4	1	1	1
034319	PL.21587	A	Consumer	7.28Y	121.4	0.00	4.60	0.29	0	2	0	100	0.00	0.0	3.028	0.000	2	0	1	1
PL.23266	PL.21587	A	4ACSR	7.28Y	121.4	0.00	4.60	0.00	0	0	0	100	0.00	0.0	3.380	0.352	0	0	0	0
PL.21117	PL.23266	A	4ACSR	7.28Y	121.4	0.00	4.60	0.00	0	0	0	100	0.00	0.0	3.566	0.185	0	0	0	0
PL.21217	PL.42216	A	4ACSR	7.28Y	121.4	0.00	4.59	0.37	0	3	0	100	0.00	0.0	2.863	0.047	0	0	0	1
0343101	PL.21217	A	Consumer	7.28Y	121.4	0.00	4.59	0.37	0	3	0	100	0.00	0.0	2.863	0.000	3	0	1	1
034347	PL.20173	A	Consumer	7.29Y	121.4	0.00	4.56	0.29	0	2	0	100	0.00	0.0	2.729	0.000	2	0	1	1
034348	PL.20173	A	Consumer	7.29Y	121.4	0.00	4.56	1.32	0	9	2	98	0.00	0.0	2.729	0.000	9	2	1	1
034346	PL.20173	A	Consumer	7.29Y	121.4	0.00	4.56	0.00	0	0	0	100	0.00	0.0	2.729	0.000	0	0	0	0
PL.42946	PL.25749	A	2ACSR	7.31Y	121.8	-0.00	4.18	0.02	0	0	0	100	0.00	0.0	2.166	0.005	0	0	0	0
		B		7.14Y	119.1	0.00	6.92	0.02	0	0	0	90					0	0	0	0
		C		7.36Y	122.7	0.00	3.30	0.02	0	0	0	90					0	0	0	0
PD.8193	PL.42946	A	fuse8AMP	7.31Y	121.8	0.00	4.18	0.02	0	0	0	100	0.00	0.0	2.166	0.000	0	0	0	0
		B		7.14Y	119.1	0.00	6.92	0.02	0	0	0	90					0	0	0	0
		C		7.36Y	122.7	0.00	3.30	0.02	0	0	0	90					0	0	0	0
PL.42947	PD.8193	A	2ACSR	7.31Y	121.8	0.00	4.18	0.02	0	0	0	100	0.00	0.0	2.185	0.018	0	0	0	0
		B		7.14Y	119.1	0.00	6.92	0.02	0	0	0	90					0	0	0	0
		C		7.36Y	122.7	0.00	3.30	0.02	0	0	0	90					0	0	0	0
034359	PL.42947	A	Consumer	7.31Y	121.8	0.00	4.18	0.02	0	0	0	100	0.00	0.0	2.185	0.000	0	0	0	0
		B		7.14Y	119.1	0.00	6.92	0.02	0	0	0	90					0	0	0	0
		C		7.36Y	122.7	0.00	3.30	0.02	0	0	0	90					0	0	0	0
546103	PL.25747	B	Consumer	7.18Y	119.6	0.00	6.38	1.84	0	13	2	99	0.00	0.0	2.038	0.000	13	2	1	1
546107	PL.25747	B	Consumer	7.18Y	119.6	0.00	6.38	1.79	0	13	2	99	0.00	0.0	2.038	0.000	13	2	1	1
546106	PL.25747	C	Consumer	7.38Y	122.9	0.00	3.06	0.68	0	5	1	98	0.00	0.0	2.038	0.000	5	1	1	1
546102	PL.25747	B	Consumer	7.18Y	119.6	0.00	6.38	1.25	0	9	1	99	0.00	0.0	2.038	0.000	9	1	1	1
546101	PL.25747	B	Consumer	7.18Y	119.6	0.00	6.38	0.67	0	5	1	98	0.00	0.0	2.038	0.000	5	1	1	1
545206	PL.18617	C	Consumer	7.39Y	123.1	0.00	2.88	0.00	0	0	0	100	0.00	0.0	1.948	0.000	0	0	1	1
545301	PL.6971	C	Consumer	7.40Y	123.3	0.00	2.66	0.59	0	4	2	89	0.00	0.0	1.847	0.000	4	2	1	1
545433	PL.25739	C	Consumer	7.42Y	123.7	0.00	2.33	0.10	0	1	0	100	0.00	0.0	1.705	0.000	1	0	1	1
545402	PL.25739	C	Consumer	7.42Y	123.7	0.00	2.33	0.83	0	6	3	89	0.00	0.0	1.705	0.000	6	3	1	1
544406	PL.25739	B	Consumer	7.27Y	121.2	0.00	4.79	1.20	0	9	1	99	0.00	0.0	1.705	0.000	9	1	1	1
545501	PL.20125	B	Consumer	7.30Y	121.6	0.00	4.39	0.20	0	1	0	100	0.00	0.0	1.626	0.000	1	0	1	1
545434	PL.20125	A	Consumer	7.39Y	123.2	0.00	2.77	3.50	0	23	11	90	0.00	0.0	1.626	0.000	23	11	1	1
544409	PL.20125	C	Consumer	7.43Y	123.9	0.00	2.12	0.08	0	1	0	100	0.00	0.0	1.626	0.000	1	0	1	1

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Unbalanced Voltage Drop Report
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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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.3524	PL.11274	A	2ACSR	7.40Y	123.4	0.00	2.62	0.66	0	4	2	89	0.00	0.0	1.619	0.040	0	0	0	0
		B		7.31Y	121.8	0.00	4.15	0.67	0	4	2	90					0	0	0	0
		C		7.44Y	124.0	0.00	2.00	0.65	0	4	2	90					0	0	0	0
PL.11278	PL.3524	A	2ACSR	7.40Y	123.4	0.00	2.62	0.00	0	0	0	100	0.00	0.0	1.634	0.015	0	0	0	0
		B		7.31Y	121.8	0.00	4.15	0.00	0	0	0	100					0	0	0	0
		C		7.44Y	124.0	0.00	2.00	0.00	0	0	0	100					0	0	0	0
PD.189-A	PL.11278	A	Open	7.40Y	123.4	0.00	2.62	0.00	0	0	0	100	0.00	0.0	1.634	0.000	0	0	0	0
		B		7.31Y	121.8	0.00	4.15	0.00	0	0	0	100					0	0	0	0
		C		7.44Y	124.0	0.00	2.00	0.00	0	0	0	100					0	0	0	0
545514	PL.3524	A	Consumer	7.40Y	123.4	0.00	2.62	0.66	0	4	2	89	0.00	0.0	1.619	0.000	4	2	0	0
		B		7.31Y	121.8	0.00	4.15	0.67	0	4	2	90					4	2	0	0
		C		7.44Y	124.0	0.00	2.00	0.65	0	4	2	90					4	2	0	0
545511	PL.11274	C	Consumer	7.44Y	124.0	0.00	2.00	0.00	0	0	0	100	0.00	0.0	1.579	0.000	0	0	1	1
545513	PL.11274	C	Consumer	7.44Y	124.0	0.00	2.00	0.01	0	0	0	100	0.00	0.0	1.579	0.000	0	0	1	1
544512	PL.11274	C	Consumer	7.44Y	124.0	0.00	2.00	0.01	0	0	0	100	0.00	0.0	1.579	0.000	0	0	1	1
545505	PL.11274	C	Consumer	7.44Y	124.0	0.00	2.00	0.50	0	4	1	97	0.00	0.0	1.579	0.000	4	1	1	1
544511	PL.18025	C	Consumer	7.45Y	124.2	0.00	1.75	0.27	0	2	0	100	0.00	0.0	1.487	0.000	2	0	1	1
544502	PL.18025	C	Consumer	7.45Y	124.2	0.00	1.75	0.27	0	2	0	100	0.00	0.0	1.487	0.000	2	0	1	1
544518	PL.18025	C	Consumer	7.45Y	124.2	0.00	1.75	0.06	0	0	0	100	0.00	0.0	1.487	0.000	0	0	1	1
544521	PL.18025	A	Consumer	7.42Y	123.7	0.00	2.34	0.00	0	0	0	100	0.00	0.0	1.487	0.000	0	0	0	0
544516	PL.18025	C	Consumer	7.45Y	124.2	0.00	1.75	0.83	0	6	1	99	0.00	0.0	1.487	0.000	2	0	1	2
5445021	544516	C	Consumer	7.45Y	124.2	0.00	1.75	0.58	0	4	1	97	0.00	0.0	1.487	0.000	4	1	1	1
544517	PL.18025	C	Consumer	7.45Y	124.2	0.00	1.75	0.62	0	5	1	98	0.00	0.0	1.487	0.000	5	1	1	1
544515	PL.18025	A	Consumer	7.42Y	123.7	0.00	2.34	0.35	0	3	0	100	0.00	0.0	1.487	0.000	3	0	1	1
5445023	PL.18025	C	Consumer	7.45Y	124.2	0.00	1.75	0.55	0	4	1	97	0.00	0.0	1.487	0.000	4	1	1	1
544520	PL.18025	C	Consumer	7.45Y	124.2	0.00	1.75	0.03	0	0	0	100	0.00	0.0	1.487	0.000	0	0	1	1
544519	PL.18025	C	Consumer	7.45Y	124.2	0.00	1.75	0.18	0	1	0	100	0.00	0.0	1.487	0.000	1	0	1	1
543604	PL.11271	A	Consumer	7.43Y	123.8	0.00	2.23	0.32	0	2	0	100	0.00	0.0	1.416	0.000	2	0	1	1
543609	PL.11271	A	Consumer	7.43Y	123.8	0.00	2.23	0.39	0	3	0	100	0.00	0.0	1.416	0.000	3	0	1	1
543505	PL.11271	A	Consumer	7.43Y	123.8	0.00	2.23	0.18	0	1	0	100	0.00	0.0	1.416	0.000	1	0	1	1
543504	PL.11271	A	Consumer	7.43Y	123.8	0.00	2.23	0.54	0	4	1	97	0.00	0.0	1.416	0.000	4	1	1	1
543605	PL.11271	A	Consumer	7.43Y	123.8	0.00	2.23	0.66	0	5	1	98	0.00	0.0	1.416	0.000	5	1	1	1
543507	PL.11271	A	Consumer	7.43Y	123.8	0.00	2.23	0.23	0	2	0	100	0.00	0.0	1.416	0.000	2	0	1	1
543506	PL.11271	A	Consumer	7.43Y	123.8	0.00	2.23	0.20	0	1	0	100	0.00	0.0	1.416	0.000	1	0	1	1
543603	PL.7379	A	Consumer	7.43Y	123.9	0.00	2.11	1.04	0	8	1	99	0.00	0.0	1.339	0.000	8	1	1	1
543613	PL.7379	A	Consumer	7.43Y	123.9	0.00	2.11	0.05	0	0	0	100	0.00	0.0	1.339	0.000	0	0	1	1
543606	PL.7379	A	Consumer	7.43Y	123.9	0.00	2.11	0.47	0	3	1	95	0.00	0.0	1.339	0.000	3	1	1	1
PL.18023	PL.11269	A	4ACSR	7.44Y	124.0	0.00	2.00	14.62	8	107	20	98	0.00	0.0	1.270	0.003	0	0	0	30
C PD.2827	PL.18023	A	fuse6AMP	7.44Y	124.0	0.00	2.00	14.62	250	107	20	98	0.00	0.0	1.270	0.000	0	0	0	30 C
PL.18022	PD.2827	A	4ACSR	7.44Y	124.0	0.03	2.03	14.62	8	107	20	98	0.03	0.0	1.323	0.053	0	0	0	30
PL.3528	PL.18022	A	4ACSR	7.44Y	124.0	0.00	2.03	3.38	2	24	6	97	0.00	0.0	1.341	0.018	0	0	0	9
542624	PL.3528	A	Consumer	7.44Y	124.0	0.00	2.03	0.26	0	2	0	100	0.00	0.0	1.341	0.000	2	0	1	1

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
542621	PL.3528	A	Consumer	7.44Y	124.0	0.00	2.03	0.45	0	3	1	95	0.00	0.0	1.341	0.000	3	1	1	1
542627	PL.3528	A	Consumer	7.44Y	124.0	0.00	2.03	0.29	0	2	0	100	0.00	0.0	1.341	0.000	2	0	1	1
542626	PL.3528	A	Consumer	7.44Y	124.0	0.00	2.03	0.38	0	3	0	100	0.00	0.0	1.341	0.000	3	0	1	1
542623	PL.3528	A	Consumer	7.44Y	124.0	0.00	2.03	0.29	0	2	0	100	0.00	0.0	1.341	0.000	2	0	1	1
542622	PL.3528	A	Consumer	7.44Y	124.0	0.00	2.03	0.17	0	1	0	100	0.00	0.0	1.341	0.000	1	0	1	1
542628	PL.3528	A	Consumer	7.44Y	124.0	0.00	2.03	0.33	0	2	0	100	0.00	0.0	1.341	0.000	2	0	1	1
542620	PL.3528	A	Consumer	7.44Y	124.0	0.00	2.03	0.96	0	6	3	89	0.00	0.0	1.341	0.000	6	3	1	1
542625	PL.3528	A	Consumer	7.44Y	124.0	0.00	2.03	0.29	0	2	0	100	0.00	0.0	1.341	0.000	2	0	1	1
PL.3510	PL.18022	A	4ACSR	7.44Y	124.0	0.01	2.04	8.64	4	63	10	99	0.00	0.0	1.351	0.027	0	0	0	18
541609	PL.3510	A	Consumer	7.44Y	124.0	0.00	2.04	0.00	0	0	0	100	0.00	0.0	1.351	0.000	0	0	0	0
542635	PL.3510	A	Consumer	7.44Y	124.0	0.00	2.04	0.45	0	3	1	95	0.00	0.0	1.351	0.000	3	1	1	1
541608	PL.3510	A	Consumer	7.44Y	124.0	0.00	2.04	0.00	0	0	0	100	0.00	0.0	1.351	0.000	0	0	0	0
541606	PL.3510	A	Consumer	7.44Y	124.0	0.00	2.04	0.00	0	0	0	100	0.00	0.0	1.351	0.000	0	0	0	0
542636	PL.3510	A	Consumer	7.44Y	124.0	0.00	2.04	0.05	0	0	0	100	0.00	0.0	1.351	0.000	0	0	1	1
541604	PL.3510	A	Consumer	7.44Y	124.0	0.00	2.04	0.00	0	0	0	100	0.00	0.0	1.351	0.000	0	0	0	0
541602	PL.3510	A	Consumer	7.44Y	124.0	0.00	2.04	0.00	0	0	0	100	0.00	0.0	1.351	0.000	0	0	0	0
541607	PL.3510	A	Consumer	7.44Y	124.0	0.00	2.04	0.00	0	0	0	100	0.00	0.0	1.351	0.000	0	0	0	0
541603	PL.3510	A	Consumer	7.44Y	124.0	0.00	2.04	0.00	0	0	0	100	0.00	0.0	1.351	0.000	0	0	0	0
541605	PL.3510	A	Consumer	7.44Y	124.0	0.00	2.04	0.00	0	0	0	100	0.00	0.0	1.351	0.000	0	0	0	0
PL.7382	PL.3510	A	4ACSR	7.44Y	124.0	0.01	2.05	8.14	4	60	10	99	0.00	0.0	1.377	0.026	0	0	0	16
542631	PL.7382	A	Consumer	7.44Y	124.0	0.00	2.05	0.52	0	4	1	97	0.00	0.0	1.377	0.000	4	1	1	1
542630	PL.7382	A	Consumer	7.44Y	124.0	0.00	2.05	0.34	0	3	0	100	0.00	0.0	1.377	0.000	3	0	1	1
542633	PL.7382	A	Consumer	7.44Y	124.0	0.00	2.05	0.25	0	2	0	100	0.00	0.0	1.377	0.000	2	0	1	1
542632	PL.7382	A	Consumer	7.44Y	124.0	0.00	2.05	0.21	0	2	0	100	0.00	0.0	1.377	0.000	2	0	1	1
542634	PL.7382	A	Consumer	7.44Y	124.0	0.00	2.05	0.44	0	3	1	95	0.00	0.0	1.377	0.000	3	1	1	1
542629	PL.7382	A	Consumer	7.44Y	124.0	0.00	2.05	0.41	0	3	0	100	0.00	0.0	1.377	0.000	3	0	1	1
PL.7381	PL.7382	A	4ACSR	7.44Y	123.9	0.01	2.06	5.96	3	44	7	99	0.00	0.0	1.411	0.035	0	0	0	10
541506	PL.7381	A	Consumer	7.44Y	123.9	0.00	2.06	0.02	0	0	0	100	0.00	0.0	1.411	0.000	0	0	1	1
541502	PL.7381	A	Consumer	7.44Y	123.9	0.00	2.06	1.44	0	11	2	98	0.00	0.0	1.411	0.000	11	2	1	1
541507	PL.7381	A	Consumer	7.44Y	123.9	0.00	2.06	0.22	0	2	0	100	0.00	0.0	1.411	0.000	2	0	1	1
541504	PL.7381	A	Consumer	7.44Y	123.9	0.00	2.06	0.45	0	3	1	95	0.00	0.0	1.411	0.000	3	1	1	1
541501	PL.7381	A	Consumer	7.44Y	123.9	0.00	2.06	1.92	0	14	2	99	0.00	0.0	1.411	0.000	14	2	1	1
541510	PL.7381	A	Consumer	7.44Y	123.9	0.00	2.06	0.44	0	3	1	95	0.00	0.0	1.411	0.000	3	1	1	1
541503	PL.7381	A	Consumer	7.44Y	123.9	0.00	2.06	0.25	0	2	0	100	0.00	0.0	1.411	0.000	2	0	1	1
541509	PL.7381	A	Consumer	7.44Y	123.9	0.00	2.06	0.39	0	3	0	100	0.00	0.0	1.411	0.000	3	0	1	1
541505	PL.7381	A	Consumer	7.44Y	123.9	0.00	2.06	0.44	0	3	1	95	0.00	0.0	1.411	0.000	3	1	1	1
541508	PL.7381	A	Consumer	7.44Y	123.9	0.00	2.06	0.40	0	3	0	100	0.00	0.0	1.411	0.000	3	0	1	1
542617	PL.18022	A	Consumer	7.44Y	124.0	0.00	2.03	1.17	0	9	1	99	0.00	0.0	1.323	0.000	9	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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
542616	PL.18022	A	Consumer	7.44Y	124.0	0.00	2.03	1.00	0	7	1	99	0.00	0.0	1.323	0.000	7	1	1	1
542619	PL.18022	A	Consumer	7.44Y	124.0	0.00	2.03	0.00	0	0	0	100	0.00	0.0	1.323	0.000	0	0	0	0
542637	PL.18022	A	Consumer	7.44Y	124.0	0.00	2.03	0.43	0	3	1	95	0.00	0.0	1.323	0.000	3	1	1	1
542615	PL.11269	B	Consumer	7.37Y	122.9	0.00	3.12	0.73	0	5	1	98	0.00	0.0	1.267	0.000	5	1	1	1
542705	PL.11269	B	Consumer	7.37Y	122.9	0.00	3.12	0.32	0	2	0	100	0.00	0.0	1.267	0.000	2	0	1	1
542602	PL.11269	B	Consumer	7.37Y	122.9	0.00	3.12	0.00	0	0	0	100	0.00	0.0	1.267	0.000	0	0	0	0
542608	PL.11269	B	Consumer	7.37Y	122.9	0.00	3.12	0.36	0	3	0	100	0.00	0.0	1.267	0.000	3	0	1	1
542607	PL.11269	B	Consumer	7.37Y	122.9	0.00	3.12	0.31	0	2	0	100	0.00	0.0	1.267	0.000	2	0	1	1
542604	PL.11269	B	Consumer	7.37Y	122.9	0.00	3.12	1.34	0	9	4	91	0.00	0.0	1.267	0.000	9	4	1	1
542618	PL.11269	B	Consumer	7.37Y	122.9	0.00	3.12	0.27	0	2	0	100	0.00	0.0	1.267	0.000	2	0	1	1
542603	PL.11269	B	Consumer	7.37Y	122.9	0.00	3.12	0.38	0	3	0	100	0.00	0.0	1.267	0.000	3	0	1	1
542612	PL.11269	B	Consumer	7.37Y	122.9	0.00	3.12	0.35	0	3	0	100	0.00	0.0	1.267	0.000	3	0	1	1
5417022	PL.18702	A	Consumer	7.46Y	124.3	0.00	1.74	0.00	0	0	0	100	0.00	0.0	1.126	0.000	0	0	1	1
541721	PL.18702	A	Consumer	7.46Y	124.3	0.00	1.74	0.00	0	0	0	100	0.00	0.0	1.126	0.000	0	0	1	1
541720	PL.18702	A	Consumer	7.46Y	124.3	0.00	1.74	0.07	0	0	0	100	0.00	0.0	1.126	0.000	0	0	1	1
541714	PL.18702	A	Consumer	7.46Y	124.3	0.00	1.74	0.75	0	5	2	93	0.00	0.0	1.126	0.000	5	2	1	1
541715	PL.18702	A	Consumer	7.46Y	124.3	0.00	1.74	0.70	0	5	2	93	0.00	0.0	1.126	0.000	5	2	1	1
541701	PL.26215	A	Consumer	7.46Y	124.4	0.00	1.60	0.16	0	1	0	100	0.00	0.0	1.053	0.000	1	0	1	1
541802	PL.26215	A	Consumer	7.46Y	124.4	0.00	1.60	0.18	0	1	1	71	0.00	0.0	1.053	0.000	1	1	1	1
540701	PL.26215	A	Consumer	7.46Y	124.4	0.00	1.60	0.04	0	0	0	100	0.00	0.0	1.053	0.000	0	0	1	1
541801	PL.26215	A	Consumer	7.46Y	124.4	0.00	1.60	0.63	0	5	1	98	0.00	0.0	1.053	0.000	5	1	1	1
540811	PL.27830	A	Consumer	7.47Y	124.5	0.00	1.52	0.09	0	1	0	100	0.00	0.0	1.014	0.000	1	0	1	1
540812	PL.27830	A	Consumer	7.47Y	124.5	0.00	1.52	0.26	0	2	0	100	0.00	0.0	1.014	0.000	2	0	1	1
540804	PL.27830	A	Consumer	7.47Y	124.5	0.00	1.52	0.41	0	3	0	100	0.00	0.0	1.014	0.000	3	0	1	1
PL.18404	PL.27830	B	4ACSR	7.41Y	123.5	0.00	2.47	1.76	1	13	2	99	0.00	0.0	1.022	0.008	0	0	0	3
PD.2531	PL.18404	B	fuse6AMP	7.41Y	123.5	0.00	2.47	1.76	30	13	2	99	0.00	0.0	1.022	0.000	0	0	0	3
PL.18405	PD.2531	B	4ACSR	7.41Y	123.5	0.00	2.48	1.76	1	13	2	99	0.00	0.0	1.035	0.013	0	0	0	3
540815	PL.18405	B	Consumer	7.41Y	123.5	0.00	2.48	0.30	0	2	0	100	0.00	0.0	1.035	0.000	2	0	1	1
540813	PL.18405	B	Consumer	7.41Y	123.5	0.00	2.48	0.00	0	0	0	100	0.00	0.0	1.035	0.000	0	0	0	0
540814	PL.18405	B	Consumer	7.41Y	123.5	0.00	2.48	1.35	0	10	2	98	0.00	0.0	1.035	0.000	10	2	1	1
540816	PL.18405	B	Consumer	7.41Y	123.5	0.00	2.48	0.12	0	1	0	100	0.00	0.0	1.035	0.000	1	0	1	1
540808	PL.19912	C	Consumer	7.50Y	125.0	0.00	1.04	0.44	0	3	1	95	0.00	0.0	0.922	0.000	3	1	1	1
540810	PL.19912	C	Consumer	7.50Y	125.0	0.00	1.04	0.02	0	0	0	100	0.00	0.0	0.922	0.000	0	0	1	1
540807	PL.19912	A	Consumer	7.48Y	124.7	0.00	1.35	1.31	0	10	2	98	0.00	0.0	0.922	0.000	10	2	1	1
540805	PL.19912	A	Consumer	7.48Y	124.7	0.00	1.35	0.73	0	5	1	98	0.00	0.0	0.922	0.000	5	1	1	1
033407	PL.26214	A	Consumer	7.48Y	124.7	0.00	1.26	0.13	0	1	0	100	0.00	0.0	0.873	0.000	1	0	1	1
033477	PL.26214	A	Consumer	7.48Y	124.7	0.00	1.26	0.00	0	0	0	100	0.00	0.0	0.873	0.000	0	0	0	0
033406	PL.26214	C	Consumer	7.50Y	125.0	0.00	0.98	0.05	0	0	0	100	0.00	0.0	0.873	0.000	0	0	1	1

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
033479	PL.26214	A	Consumer	7.48Y	124.7	0.00	1.26	0.00	0	0	0	100	0.00	0.0	0.873	0.000	0	0	0	0
PL.26212	PL.26213	A	397ACSR	7.49Y	124.8	0.00	1.20	0.00	0	0	0	100	0.00	0.0	0.857	0.025	0	0	0	0
		B		7.44Y	124.0	0.00	2.01	0.00	0	0	0	100					0	0	0	0
		C		7.50Y	125.1	0.00	0.93	0.00	0	0	0	100					0	0	0	0
PL.42186	PL.26212	A	397ACSR	7.49Y	124.8	0.00	1.20	0.00	0	0	0	100	0.00	0.0	0.859	0.002	0	0	0	0
		B		7.44Y	124.0	0.00	2.01	0.00	0	0	0	100					0	0	0	0
		C		7.50Y	125.1	0.00	0.93	0.00	0	0	0	100					0	0	0	0
PD.7638-B	PL.42186	A	Open	7.49Y	124.8	0.00	1.20	0.00	0	0	0	100	0.00	0.0	0.859	0.000	0	0	0	0
		B		7.44Y	124.0	0.00	2.01	0.00	0	0	0	100					0	0	0	0
		C		7.50Y	125.1	0.00	0.93	0.00	0	0	0	100					0	0	0	0
033416	PL.24655	B	Consumer	7.45Y	124.1	0.00	1.90	0.24	0	2	0	100	0.00	0.0	0.792	0.000	2	0	1	1
033424	PL.24655	B	Consumer	7.45Y	124.1	0.00	1.90	0.00	0	0	0	100	0.00	0.0	0.792	0.000	0	0	1	1
033412	PL.24655	B	Consumer	7.45Y	124.1	0.00	1.90	0.51	0	4	1	97	0.00	0.0	0.792	0.000	4	1	1	1
033421	PL.24655	B	Consumer	7.45Y	124.1	0.00	1.90	0.51	0	3	2	83	0.00	0.0	0.792	0.000	3	2	1	1
033487	PL.24654	B	Consumer	7.46Y	124.3	0.00	1.66	1.24	0	9	1	99	0.00	0.0	0.701	0.000	9	1	1	1
033488	PL.24654	B	Consumer	7.46Y	124.3	0.00	1.66	0.42	0	3	1	95	0.00	0.0	0.701	0.000	3	1	1	1
033489	PL.24654	B	Consumer	7.46Y	124.3	0.00	1.66	2.27	0	17	3	98	0.00	0.0	0.701	0.000	17	3	1	1
033491	PL.24654	B	Consumer	7.46Y	124.3	0.00	1.66	1.63	0	12	2	99	0.00	0.0	0.701	0.000	12	2	1	1
033490	PL.24654	C	Consumer	7.51Y	125.2	0.00	0.76	0.00	0	0	0	100	0.00	0.0	0.701	0.000	0	0	0	0
PL.28207	PL.27876	A	4ACSR	7.50Y	125.0	0.00	0.95	9.80	5	73	12	99	0.00	0.0	0.662	0.009	0	0	0	12
C PD.3091	PL.28207	A	fuse6AMP	7.50Y	125.0	0.00	0.95	9.80	167	73	12	99	0.00	0.0	0.662	0.000	0	0	0	12 C
PL.28208	PD.3091	A	4ACSR	7.50Y	125.0	0.05	1.01	9.80	5	73	12	99	0.03	0.0	0.791	0.129	0	0	0	12
PL.33865	PL.28208	A	4ACSR	7.50Y	124.9	0.05	1.06	9.80	5	73	12	99	0.03	0.0	0.912	0.121	0	0	0	12
PL.33866	PL.33865	A	4ACSR	7.50Y	124.9	0.01	1.07	8.88	5	66	11	99	0.01	0.0	0.947	0.035	0	0	0	11
033468	PL.33866	A	Consumer	7.50Y	124.9	0.00	1.07	0.57	0	4	1	97	0.00	0.0	0.947	0.000	4	1	1	1
033484	PL.33866	A	Consumer	7.50Y	124.9	0.00	1.07	1.28	0	9	2	98	0.00	0.0	0.947	0.000	9	2	1	1
PL.20150	PL.33866	A	4ACSR	7.49Y	124.9	0.04	1.12	7.02	4	52	8	99	0.02	0.0	1.093	0.146	0	0	0	9
PL.20151	PL.20150	A	4ACSR	7.49Y	124.9	0.01	1.12	6.28	3	46	8	99	0.00	0.0	1.122	0.029	0	0	0	8
PL.6309	PL.20151	A	4ACSR	7.49Y	124.8	0.03	1.15	6.28	3	46	8	99	0.01	0.0	1.229	0.106	0	0	0	8
033359	PL.6309	A	Consumer	7.49Y	124.8	0.00	1.15	1.24	0	9	1	99	0.00	0.0	1.229	0.000	9	1	1	1
033309	PL.6309	A	Consumer	7.49Y	124.8	0.00	1.15	0.72	0	5	1	98	0.00	0.0	1.229	0.000	5	1	1	1
PL.41555	PL.6309	A	4ACSR	7.49Y	124.8	0.01	1.16	4.32	2	32	5	99	0.00	0.0	1.259	0.030	0	0	0	6
PD.7482-A	PL.41555	A	Closed	7.49Y	124.8	0.00	1.16	4.32	0	32	5	99	0.00	0.0	1.259	0.000	0	0	0	6
PD.7482-B	PD.7482-A	A	Closed	7.49Y	124.8	0.00	1.16	4.32	0	32	5	99	0.00	0.0	1.259	0.000	0	0	0	6
PL.41556	PD.7482-B	A	4ACSR	7.49Y	124.8	0.01	1.17	4.32	2	32	5	99	0.00	0.0	1.309	0.050	0	0	0	6
PL.19429	PL.41556	A	4ACSR	7.49Y	124.8	0.01	1.17	2.89	1	21	3	99	0.00	0.0	1.368	0.059	0	0	0	5
033363	PL.19429	A	Consumer	7.49Y	124.8	0.00	1.17	1.15	0	8	1	99	0.00	0.0	1.368	0.000	8	1	1	1
PL.6312	PL.19429	A	4ACSR	7.49Y	124.8	0.00	1.18	1.75	1	13	2	99	0.00	0.0	1.403	0.035	0	0	0	4
033362	PL.6312	A	Consumer	7.49Y	124.8	0.00	1.18	0.02	0	0	0	100	0.00	0.0	1.403	0.000	0	0	1	1
PL.6308	PL.6312	A	4ACSR	7.49Y	124.8	0.01	1.18	1.73	1	13	2	99	0.00	0.0	1.475	0.072	0	0	0	3
PL.19685	PL.6308	A	4ACSR	7.49Y	124.8	0.00	1.18	0.84	0	6	1	99	0.00	0.0	1.532	0.056	0	0	0	1

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.19686	PL.19685	A	4ACSR	7.49Y	124.8	0.00	1.18	0.00	0	0	0	100	0.00	0.0	1.574	0.042	0	0	0	0
033331	PL.19686	A	Consumer	7.49Y	124.8	0.00	1.18	0.00	0	0	0	100	0.00	0.0	1.574	0.000	0	0	0	0
033358	PL.19685	A	Consumer	7.49Y	124.8	0.00	1.18	0.84	0	6	1	99	0.00	0.0	1.532	0.000	6	1	1	1
033330	PL.6308	A	Consumer	7.49Y	124.8	0.00	1.18	0.21	0	2	0	100	0.00	0.0	1.475	0.000	2	0	1	1
033304	PL.6308	A	Consumer	7.49Y	124.8	0.00	1.18	0.68	0	5	1	98	0.00	0.0	1.475	0.000	5	1	1	1
033332	PL.41556	A	Consumer	7.49Y	124.8	0.00	1.17	1.43	0	11	2	98	0.00	0.0	1.309	0.000	11	2	1	1
033475	PL.20150	A	Consumer	7.49Y	124.9	0.00	1.12	0.74	0	5	1	98	0.00	0.0	1.093	0.000	5	1	1	1
0334096	PL.33865	A	Consumer	7.50Y	124.9	0.00	1.06	0.92	0	7	1	99	0.00	0.0	0.912	0.000	7	1	1	1
033405	PL.27876	C	Consumer	7.52Y	125.3	0.00	0.71	0.00	0	0	0	100	0.00	0.0	0.653	0.000	0	0	0	0
033478	PL.27876	A	Consumer	7.50Y	125.1	0.00	0.95	0.42	0	3	1	95	0.00	0.0	0.653	0.000	3	1	1	1
033401	PL.45289	B	Consumer	7.50Y	124.9	0.00	1.05	0.19	0	1	0	100	0.00	0.0	0.475	0.000	1	0	1	1
PL.41531	PL.45289	C	4ACSR	7.53Y	125.5	0.00	0.49	1.54	1	11	2	98	0.00	0.0	0.482	0.007	0	0	0	2
PD.7462	PL.41531	C	fuse6AMP	7.53Y	125.5	0.00	0.49	1.54	26	11	2	98	0.00	0.0	0.482	0.000	0	0	0	2
PL.41532	PD.7462	C	4ACSR	7.53Y	125.5	0.00	0.49	1.54	1	11	2	98	0.00	0.0	0.514	0.033	0	0	0	2
033486	PL.41532	C	Consumer	7.53Y	125.5	0.00	0.49	0.60	0	4	1	97	0.00	0.0	0.514	0.000	4	1	1	1
033428	PL.41532	C	Consumer	7.53Y	125.5	0.00	0.49	0.93	0	7	1	99	0.00	0.0	0.514	0.000	7	1	1	1
0324105	PL.45288	B	Consumer	7.51Y	125.2	0.00	0.80	0.00	0	0	0	100	0.00	0.0	0.318	0.000	0	0	0	0
032464	PL.9656	C	Consumer	7.55Y	125.9	0.00	0.13	0.21	0	1	1	71	0.00	0.0	0.097	0.000	1	1	1	1
032426	PL.9656	C	Consumer	7.55Y	125.9	0.00	0.13	0.32	0	2	1	89	0.00	0.0	0.097	0.000	2	1	1	1
032463	PL.9656	C	Consumer	7.55Y	125.9	0.00	0.13	0.87	0	6	3	89	0.00	0.0	0.097	0.000	6	3	1	1
032475	PL.9656	C	Consumer	7.55Y	125.9	0.00	0.13	0.00	0	0	0	100	0.00	0.0	0.097	0.000	0	0	1	1
032492	PL.9656	C	Consumer	7.55Y	125.9	0.00	0.13	0.10	0	1	0	100	0.00	0.0	0.097	0.000	1	0	1	1
PL.29093	FRENCHBURG	A	1/0CU	7.56Y	126.0	0.02	0.02	145.39	34	1071	249	97	0.36	0.0	0.012	0.012	0	0	0	162
		B		7.56Y	126.0	0.01	0.01	121.69	28	900	192	98					0	0	0	123
		C		7.56Y	126.0	0.02	0.02	137.09	32	1010	230	97					0	0	0	135
PL.32858	PL.29093	A	1/0CU	7.56Y	126.0	0.01	0.03	145.39	34	1070	249	97	0.13	0.0	0.016	0.004	0	0	0	162
		B		7.56Y	126.0	0.01	0.02	121.69	28	900	192	98					0	0	0	123
		C		7.56Y	126.0	0.01	0.03	137.09	32	1010	230	97					0	0	0	135
---------- Feeder No. 1 (FRNBURG1) Beginning with Device PD.3890 ----------																				
PD.3890	PL.32858	A	VWVE	7.56Y	126.0	0.00	0.03	145.39	0	1070	249	97	0.00	0.0	0.016	0.000	0	0	0	162
		B		7.56Y	126.0	0.00	0.02	121.69	0	900	191	98					0	0	0	123
		C		7.56Y	126.0	0.00	0.03	137.09	0	1010	230	97					0	0	0	135
PL.32859	PD.3890	A	1/0CU	7.56Y	125.9	0.02	0.05	145.39	34	1070	249	97	0.43	0.0	0.030	0.014	0	0	0	162
		B		7.56Y	126.0	0.02	0.04	121.69	28	900	191	98					0	0	0	123
		C		7.56Y	125.9	0.02	0.05	137.09	32	1010	230	97					0	0	0	135
PL.28166	PL.32859	A	1/0CU	7.56Y	125.9	0.02	0.07	145.39	34	1070	249	97	0.35	0.0	0.041	0.011	0	0	0	162
		B		7.56Y	125.9	0.01	0.05	121.69	28	900	191	98					0	0	0	123
		C		7.56Y	125.9	0.02	0.07	137.09	32	1010	230	98					0	0	0	135
PL.28167	PL.28166	A	1/0CU	7.55Y	125.9	0.04	0.11	145.39	34	1070	248	97	0.69	0.0	0.064	0.023	0	0	0	162
		B		7.56Y	125.9	0.03	0.08	121.69	28	899	191	98					0	0	0	123
		C		7.55Y	125.9	0.04	0.11	136.06	31	1003	226	98					0	0	0	134
PL.19482	PL.28167	A	1/0CU	7.55Y	125.8	0.04	0.15	136.06	31	1004	217	98	0.78	0.0	0.091	0.027	0	0	0	158
		B		7.55Y	125.9	0.04	0.12	121.69	28	899	191	98					0	0	0	123
		C		7.55Y	125.8	0.05	0.16	135.64	31	999	226	98					0	0	0	133
032498	PL.19482	C	Consumer	7.55Y	125.8	0.00	0.16	0.01	0	0	0	100	0.00	0.0	0.091	0.000	0	0	1	1

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
032409	PL.19482	C	Consumer	7.55Y	125.8	0.00	0.16	0.12	0	1	0	100	0.00	0.0	0.091	0.000	1	0	1	1
032425	PL.19482	C	Consumer	7.55Y	125.8	0.00	0.16	0.51	0	4	1	97	0.00	0.0	0.091	0.000	4	1	1	1
032479	PL.19482	C	Consumer	7.55Y	125.8	0.00	0.16	0.01	0	0	0	100	0.00	0.0	0.091	0.000	0	0	1	1
032443	PL.19482	C	Consumer	7.55Y	125.8	0.00	0.16	1.90	0	13	6	91	0.00	0.0	0.091	0.000	13	6	1	1
PL.19483	PL.19482	A	1/0CU	7.55Y	125.8	0.04	0.19	136.06	31	1004	217	98	0.65	0.0	0.113	0.023	0	0	0	158
		B		7.55Y	125.9	0.03	0.15	121.69	28	899	191	98					0	0	0	123
		C		7.55Y	125.8	0.04	0.20	133.14	31	981	218	98					0	0	0	128
PL.4871	PL.19483	A	1/0CU	7.55Y	125.8	0.01	0.20	136.06	31	1004	217	98	0.16	0.0	0.119	0.005	0	0	0	158
		B		7.55Y	125.8	0.01	0.15	121.69	28	899	190	98					0	0	0	123
		C		7.55Y	125.8	0.01	0.21	133.08	31	981	218	98					0	0	0	127
PL.40619	PL.4871	A	2ACSR	7.55Y	125.8	-0.00	0.20	0.96	0	7	1	99	0.00	0.0	0.126	0.007	0	0	0	2
		C		7.55Y	125.8	0.00	0.21	3.40	1	25	4	99					0	0	0	5
PD.7237	PL.40619	A	fuse6AMP	7.55Y	125.8	0.00	0.20	0.96	16	7	1	99	0.00	0.0	0.126	0.000	0	0	0	2
		C		7.55Y	125.8	0.00	0.21	3.40	58	25	4	99					0	0	0	5
PL.40620	PD.7237	A	2ACSR	7.55Y	125.8	-0.00	0.20	0.96	0	7	1	99	0.00	0.0	0.195	0.070	0	0	0	2
		C		7.55Y	125.8	0.01	0.21	3.40	1	25	4	99					0	0	0	5
032488	PL.40620	A	Consumer	7.55Y	125.8	0.00	0.20	0.04	0	0	0	100	0.00	0.0	0.195	0.000	0	0	1	1
		C		7.55Y	125.8	0.00	0.21	0.04	0	0	0	99					0	0	1	1
032472	PL.40620	A	Consumer	7.55Y	125.8	0.00	0.20	0.78	0	6	1	99	0.00	0.0	0.195	0.000	6	1	1	1
		C		7.55Y	125.8	0.00	0.21	0.78	0	6	1	99					6	1	1	1
032494	PL.40620	A	Consumer	7.55Y	125.8	0.00	0.20	0.10	0	1	0	100	0.00	0.0	0.195	0.000	1	0	1	1
		C		7.55Y	125.8	0.00	0.21	0.10	0	1	0	99					1	0	1	1
032489	PL.40620	A	Consumer	7.55Y	125.8	0.00	0.20	0.04	0	0	0	100	0.00	0.0	0.195	0.000	0	0	1	1
		C		7.55Y	125.8	0.00	0.21	0.04	0	0	0	99					0	0	1	1
0324103	PL.40620	A	Consumer	7.55Y	125.8	0.00	0.20	0.00	0	0	0	100	0.00	0.0	0.195	0.000	0	0	0	0
		C		7.55Y	125.8	0.00	0.21	0.00	0	0	0	100					0	0	0	0
PL.19486	PL.40620	C	4ACSR	7.55Y	125.8	0.01	0.22	2.44	1	18	3	99	0.00	0.0	0.248	0.053	0	0	0	3
032474	PL.19486	C	Consumer	7.55Y	125.8	0.00	0.22	0.74	0	6	1	99	0.00	0.0	0.248	0.000	6	1	1	1
032454	PL.19486	C	Consumer	7.55Y	125.8	0.00	0.22	1.19	0	9	1	99	0.00	0.0	0.248	0.000	9	1	1	1
032495	PL.19486	C	Consumer	7.55Y	125.8	0.00	0.22	0.51	0	4	1	97	0.00	0.0	0.248	0.000	4	1	1	1
C PL.18245	PL.4871	A	6ACWC	7.54Y	125.6	0.22	0.41	135.10	70	997	215	98	4.57	0.2	0.160	0.042	0	0	0	156 C
C		B		7.54Y	125.7	0.19	0.35	121.69	63	899	190	98					0	0	0	123 C
C		C		7.53Y	125.6	0.22	0.42	129.68	68	955	214	98					0	0	0	122 C
0324100	PL.18245	C	Consumer	7.53Y	125.6	0.00	0.42	1.38	0	10	2	98	0.00	0.0	0.160	0.000	10	2	1	1
C PL.18246	PL.18245	A	6ACWC	7.52Y	125.3	0.33	0.75	135.10	70	995	215	98	6.96	0.2	0.224	0.064	0	0	0	156 C
C		B		7.52Y	125.4	0.29	0.64	121.69	63	898	190	98					0	0	0	123 C
C		C		7.52Y	125.3	0.33	0.75	128.31	67	943	211	98					0	0	0	121 C
C PL.9734	PL.18246	A	6ACWC	7.47Y	124.5	0.70	1.45	134.42	70	988	213	98	14.66	0.5	0.359	0.135	0	0	0	154 C
C		B		7.48Y	124.7	0.62	1.26	121.69	63	896	189	98					0	0	0	123 C
C		C		7.47Y	124.6	0.69	1.44	128.31	67	941	210	98					0	0	0	121 C
PL.40621	PL.9734	C	4ACSR	7.47Y	124.6	0.00	1.44	1.16	1	8	3	94	0.00	0.0	0.368	0.009	0	0	0	2
PD.7238	PL.40621	C	fuse6AMP	7.47Y	124.6	0.00	1.44	1.16	20	8	3	94	0.00	0.0	0.368	0.000	0	0	0	2
PL.40622	PD.7238	C	4ACSR	7.47Y	124.6	0.00	1.44	1.16	1	8	3	94	0.00	0.0	0.401	0.033	0	0	0	2
032441	PL.40622	C	Consumer	7.47Y	124.6	0.00	1.44	0.96	0	6	3	89	0.00	0.0	0.401	0.000	6	3	1	1
032433	PL.40622	C	Consumer	7.47Y	124.6	0.00	1.44	0.21	0	2	0	100	0.00	0.0	0.401	0.000	2	0	1	1
032451	PL.40622	C	Consumer	7.47Y	124.6	0.00	1.44	0.00	0	0	0	100	0.00	0.0	0.401	0.000	0	0	0	0

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
C PL.19754	PL.9734	A	6ACWC	7.45Y	124.2	0.33	1.78	133.30	69	974	209	98	6.77	0.2	0.422	0.063	0	0	0	151 C
C		B		7.47Y	124.5	0.29	1.55	121.69	63	891	188	98					0	0	0	123 C
C		C		7.45Y	124.2	0.32	1.76	127.16	66	928	205	98					0	0	0	119 C
032467	PL.19754	B	Consumer	7.47Y	124.5	0.00	1.55	0.46	0	3	1	95	0.00	0.0	0.422	0.000	3	1	1	1
032480	PL.19754	B	Consumer	7.47Y	124.5	0.00	1.55	0.29	0	2	0	100	0.00	0.0	0.422	0.000	2	0	1	1
C PL.19755	PL.19754	A	6ACWC	7.45Y	124.1	0.12	1.90	133.30	69	971	208	98	2.55	0.1	0.446	0.024	0	0	0	151 C
C		B		7.46Y	124.3	0.11	1.66	120.94	63	884	186	98					0	0	0	121 C
C		C		7.45Y	124.1	0.12	1.88	127.16	66	926	204	98					0	0	0	119 C
C PL.9732	PL.19755	A	6ACWC	7.41Y	123.6	0.52	2.43	130.94	68	953	205	98	10.91	0.4	0.549	0.103	0	0	0	148 C
C		B		7.43Y	123.9	0.48	2.13	120.94	63	883	186	98					0	0	0	121 C
C		C		7.42Y	123.6	0.52	2.40	127.16	66	925	204	98					0	0	0	119 C
C PL.9733	PL.9732	A	6ACWC	7.40Y	123.3	0.31	2.74	129.09	67	936	201	98	6.54	0.2	0.612	0.063	0	0	0	142 C
C		B		7.41Y	123.6	0.29	2.42	120.94	63	880	184	98					0	0	0	121 C
C		C		7.40Y	123.3	0.31	2.71	126.45	66	916	202	98					0	0	0	117 C
PL.43493	PL.9733	B	4ACSR	7.41Y	123.6	0.00	2.42	1.49	1	11	2	98	0.00	0.0	0.621	0.009	0	0	0	4
PD.8275-A	PL.43493	B	Closed	7.41Y	123.6	0.00	2.42	1.49	0	11	2	98	0.00	0.0	0.621	0.000	0	0	0	4
PD.8275-B	PD.8275-A	B	Closed	7.41Y	123.6	0.00	2.42	1.49	0	11	2	98	0.00	0.0	0.621	0.000	0	0	0	4
PL.43494	PD.8275-B	B	4ACSR	7.41Y	123.6	0.01	2.43	1.49	1	11	2	98	0.00	0.0	0.736	0.115	0	0	0	4
PL.4874	PL.43494	B	4ACSR	7.41Y	123.6	0.00	2.43	1.42	1	10	2	98	0.00	0.0	0.740	0.004	0	0	0	3
PD.8273	PL.4874	B	fuse6AMP	7.41Y	123.6	0.00	2.43	1.42	24	10	2	98	0.00	0.0	0.740	0.000	0	0	0	3
PL.1718	PD.8273	B	4ACSR	7.41Y	123.6	0.00	2.43	1.42	1	10	2	98	0.00	0.0	0.801	0.062	0	0	0	3
PL.4877	PL.1718	B	4ACSR	7.41Y	123.6	0.01	2.44	1.42	1	10	2	98	0.00	0.0	0.911	0.110	0	0	0	3
PL.4878	PL.4877	B	4ACSR	7.41Y	123.6	0.00	2.44	1.02	1	7	1	99	0.00	0.0	0.912	0.001	0	0	0	2
PL.1719	PL.4878	B	4ACSR	7.41Y	123.6	0.00	2.44	1.02	1	7	1	99	0.00	0.0	0.949	0.037	0	0	0	2
PL.1720	PL.1719	B	4ACSR	7.41Y	123.6	0.00	2.45	1.02	1	7	1	99	0.00	0.0	1.022	0.073	0	0	0	2
PL.1721	PL.1720	B	4ACSR	7.41Y	123.6	0.00	2.45	1.02	1	7	1	99	0.00	0.0	1.042	0.020	0	0	0	2
PL.24527	PL.1721	B	4ACSR	7.41Y	123.5	0.00	2.45	1.02	1	7	1	99	0.00	0.0	1.127	0.084	0	0	0	2
031316	PL.24527	B	Consumer	7.41Y	123.5	0.00	2.45	0.98	0	7	1	99	0.00	0.0	1.127	0.000	7	1	1	1
031305	PL.24527	B	Consumer	7.41Y	123.5	0.00	2.45	0.04	0	0	0	100	0.00	0.0	1.127	0.000	0	0	1	1
PL.24528	PL.24527	B	4ACSR	7.41Y	123.5	0.00	2.45	0.00	0	0	0	100	0.00	0.0	1.182	0.055	0	0	0	0
032427	PL.4877	B	Consumer	7.41Y	123.6	0.00	2.44	0.39	0	3	0	100	0.00	0.0	0.911	0.000	3	0	1	1
032401	PL.43494	B	Consumer	7.41Y	123.6	0.00	2.43	0.07	0	1	0	100	0.00	0.0	0.736	0.000	1	0	1	1
032414	PL.9733	C	Consumer	7.40Y	123.3	0.00	2.71	0.00	0	0	0	100	0.00	0.0	0.612	0.000	0	0	0	0
PL.43489	PL.9733	A	336ACSR	7.40Y	123.3	0.00	2.75	129.09	18	933	200	98	0.07	0.0	0.618	0.006	0	0	0	142
		B		7.41Y	123.6	0.00	2.43	119.45	16	867	182	98					0	0	0	117
		C		7.40Y	123.3	0.01	2.72	126.45	17	913	201	98					0	0	0	117
PD.7242-A	PL.43489	A	Closed	7.40Y	123.3	0.00	2.75	129.09	0	933	200	98	0.00	0.0	0.618	0.000	0	0	0	142
		B		7.41Y	123.6	0.00	2.43	119.45	0	867	182	98					0	0	0	117
		C		7.40Y	123.3	0.00	2.72	126.45	0	913	201	98					0	0	0	117
PD.7242-B	PD.7242-A	A	Closed	7.40Y	123.3	0.00	2.75	129.09	0	933	200	98	0.00	0.0	0.618	0.000	0	0	0	142
		B		7.41Y	123.6	0.00	2.43	119.45	0	867	182	98					0	0	0	117
		C		7.40Y	123.3	0.00	2.72	126.45	0	913	201	98					0	0	0	117
PL.43490	PD.7242-B	A	336ACSR	7.39Y	123.2	0.04	2.78	129.09	18	933	200	98	0.53	0.0	0.659	0.041	0	0	0	142
		B		7.41Y	123.5	0.03	2.46	119.45	16	867	182	98					0	0	0	117
		C		7.39Y	123.2	0.04	2.75	126.45	17	913	201	98					0	0	0	117

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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.40638	PL.43490	A	336ACSR	7.37Y	122.8	0.44	3.22	129.09	18	933	199	98	6.59	0.2	1.174	0.515	0	0	0	142
		B		7.39Y	123.2	0.38	2.84	119.45	16	867	182	98					0	0	0	117
		C		7.37Y	122.8	0.47	3.22	126.45	17	913	201	98					0	0	0	117
PL.27277	PL.40638	C	4ACSR	7.37Y	122.8	0.00	3.22	0.00	0	0	0	100	0.00	0.0	1.184	0.010	0	0	0	1
PD.1198	PL.27277	C	fuse6AMP	7.37Y	122.8	0.00	3.22	0.00	0	0	0	100	0.00	0.0	1.184	0.000	0	0	0	1
PL.27278	PD.1198	C	4ACSR	7.37Y	122.8	0.00	3.22	0.00	0	0	0	100	0.00	0.0	1.221	0.037	0	0	0	1
PL.1722	PL.27278	C	4ACSR	7.37Y	122.8	0.00	3.22	0.00	0	0	0	100	0.00	0.0	1.247	0.026	0	0	0	1
PL.1723	PL.1722	C	4ACSR	7.37Y	122.8	0.00	3.22	0.00	0	0	0	100	0.00	0.0	1.320	0.072	0	0	0	1
031423	PL.1723	C	Consumer	7.37Y	122.8	0.00	3.22	0.00	0	0	0	100	0.00	0.0	1.320	0.000	0	0	1	1
0314030	031423	C	Consumer	7.37Y	122.8	0.00	3.22	0.00	0	0	0	100	0.00	0.0	1.320	0.000	0	0	0	0
C PL.37743	PL.40638	A	6ACWC	7.36Y	122.7	0.10	3.32	129.09	67	931	194	98	1.99	0.1	1.194	0.019	0	0	0	142 C
C		B		7.38Y	123.1	0.09	2.93	119.45	62	865	177	98					0	0	0	117 C
C		C		7.36Y	122.7	0.10	3.32	126.45	66	911	195	98					0	0	0	116 C
PD.6214-A	PL.37743	A	Closed	7.36Y	122.7	0.00	3.32	129.09	0	930	193	98	0.00	0.0	1.194	0.000	0	0	0	142
		B		7.38Y	123.1	0.00	2.93	119.45	0	864	177	98					0	0	0	117
		C		7.36Y	122.7	0.00	3.32	126.45	0	910	195	98					0	0	0	116
PD.6214-B	PD.6214-A	A	Closed	7.36Y	122.7	0.00	3.32	129.09	0	930	193	98	0.00	0.0	1.194	0.000	0	0	0	142
		B		7.38Y	123.1	0.00	2.93	119.45	0	864	177	98					0	0	0	117
		C		7.36Y	122.7	0.00	3.32	126.45	0	910	195	98					0	0	0	116
C PL.37744	PD.6214-B	A	6ACWC	7.34Y	122.3	0.33	3.65	129.09	67	930	193	98	6.94	0.3	1.261	0.067	0	0	0	142 C
C		B		7.37Y	122.8	0.31	3.23	119.45	62	864	177	98					0	0	0	117 C
C		C		7.34Y	122.3	0.34	3.66	126.45	66	910	195	98					0	0	0	116 C
C RG.11	PL.37744	A	1ph-100A-7	7.56Y	126.0	-3.65	-0.00	129.09	129	928	192	98	percent Boost= 2.98 Tap= 4.8							142 C
C		B		7.56Y	126.0	-3.23	0.00	119.45	119	862	176	98	percent Boost= 2.63 Tap= 4.2						C	
C		C		7.56Y	126.0	-3.66	0.00	126.45	126	908	194	98	percent Boost= 2.99 Tap= 4.8						C	
C PL.28134	RG.11	A	6ACWC	7.54Y	125.7	0.27	0.27	125.35	65	928	192	98	5.39	0.2	1.316	0.055	0	0	0	142 C
C		B		7.55Y	125.8	0.24	0.24	116.38	61	862	176	98					0	0	0	117 C
C		C		7.54Y	125.7	0.27	0.27	122.78	64	908	194	98					0	0	0	116 C
PL.40617	PL.28134	B	4ACSR	7.55Y	125.8	0.00	0.25	1.81	1	13	2	99	0.00	0.0	1.320	0.004	0	0	0	3
PD.7236	PL.40617	B	fuse6AMP	7.55Y	125.8	0.00	0.25	1.81	31	13	2	99	0.00	0.0	1.320	0.000	0	0	0	3
PL.40618	PD.7236	B	4ACSR	7.55Y	125.8	0.00	0.25	1.81	1	13	2	99	0.00	0.0	1.369	0.049	0	0	0	3
PL.9730	PL.40618	B	4ACSR	7.54Y	125.7	0.01	0.26	1.81	1	13	2	99	0.00	0.0	1.500	0.131	0	0	0	2
PL.9731	PL.9730	B	4ACSR	7.54Y	125.7	0.00	0.26	1.80	1	13	2	99	0.00	0.0	1.520	0.020	0	0	0	1
031425	PL.9731	B	Consumer	7.54Y	125.7	0.00	0.26	1.80	0	13	2	99	0.00	0.0	1.520	0.000	13	2	1	1
031426	PL.9730	B	Consumer	7.54Y	125.7	0.00	0.26	0.01	0	0	0	100	0.00	0.0	1.500	0.000	0	0	1	1
031407	PL.40618	B	Consumer	7.55Y	125.8	0.00	0.25	0.00	0	0	0	100	0.00	0.0	1.369	0.000	0	0	1	1
C PL.40650	PL.28134	A	6ACWC	7.53Y	125.5	0.25	0.52	125.35	65	926	192	98	4.98	0.2	1.368	0.052	0	0	0	142 C
C		B		7.53Y	125.5	0.22	0.47	114.57	60	847	173	98					0	0	0	114 C
C		C		7.53Y	125.5	0.25	0.52	122.78	64	906	193	98					0	0	0	116 C
PD.7244-A	PL.40650	A	Closed	7.53Y	125.5	0.00	0.52	125.35	0	924	191	98	0.00	0.0	1.368	0.000	0	0	0	142
		B		7.53Y	125.5	0.00	0.47	114.57	0	845	173	98					0	0	0	114
		C		7.53Y	125.5	0.00	0.52	122.78	0	904	193	98					0	0	0	116
PD.7244-B	PD.7244-A	A	Closed	7.53Y	125.5	0.00	0.52	125.35	0	924	191	98	0.00	0.0	1.368	0.000	0	0	0	142
		B		7.53Y	125.5	0.00	0.47	114.57	0	845	173	98					0	0	0	114
		C		7.53Y	125.5	0.00	0.52	122.78	0	904	193	98					0	0	0	116
C PL.40651	PD.7244-B	A	6ACWC	7.51Y	125.2	0.25	0.76	125.35	65	924	191	98	4.90	0.2	1.418	0.051	0	0	0	142 C
C		B		7.52Y	125.3	0.22	0.69	114.57	60	845	173	98					0	0	0	114 C
C		C		7.51Y	125.2	0.25	0.77	122.78	64	904	193	98					0	0	0	116 C
031409	PL.40651	B	Consumer	7.52Y	125.3	0.00	0.69	0.34	0	3	0	100	0.00	0.0	1.418	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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
031411	PL.40651	B	Consumer	7.52Y	125.3	0.00	0.69	0.32	0	2	0	100	0.00	0.0	1.418	0.000	2	0	1	1
PL.40615	PL.40651	B	4ACSR	7.52Y	125.3	0.00	0.69	2.21	1	16	3	98	0.00	0.0	1.424	0.006	0	0	0	2
PD.7235	PL.40615	B	fuse6AMP	7.52Y	125.3	0.00	0.69	2.21	38	16	3	98	0.00	0.0	1.424	0.000	0	0	0	2
PL.40616	PD.7235	B	4ACSR	7.52Y	125.3	0.01	0.70	2.21	1	16	3	98	0.00	0.0	1.477	0.053	0	0	0	2
PL.1726	PL.40616	B	4ACSR	7.52Y	125.3	0.00	0.70	2.21	1	16	3	98	0.00	0.0	1.497	0.021	0	0	0	1
031420	PL.1726	B	Consumer	7.52Y	125.3	0.00	0.70	2.21	0	16	3	98	0.00	0.0	1.497	0.000	16	3	1	1
031421	PL.40616	B	Consumer	7.52Y	125.3	0.00	0.70	0.00	0	0	0	100	0.00	0.0	1.477	0.000	0	0	1	1
C PL.9727	PL.40651	A	6ACWC	7.47Y	124.4	0.81	1.57	125.35	65	923	190	98	16.01	0.6	1.587	0.168	0	0	0	142 C
C		B		7.48Y	124.6	0.71	1.40	111.70	58	823	169	98					0	0	0	110 C
C		C		7.46Y	124.4	0.83	1.59	122.78	64	902	192	98					0	0	0	116 C
PL.45930	PL.9727	B	4ACSR	7.48Y	124.6	0.00	1.40	1.00	1	7	1	99	0.00	0.0	1.595	0.008	0	0	0	2
PD.8689	PL.45930	B	fuse6AMP	7.48Y	124.6	0.00	1.40	1.00	17	7	1	99	0.00	0.0	1.595	0.000	0	0	0	2
PL.45931	PD.8689	B	4ACSR	7.48Y	124.6	0.00	1.40	1.00	1	7	1	99	0.00	0.0	1.608	0.014	0	0	0	2
PL.45929	PL.45931	B	4ACSR	7.48Y	124.6	0.00	1.40	0.51	0	4	1	97	0.00	0.0	1.685	0.077	0	0	0	1
031412	PL.45929	B	Consumer	7.48Y	124.6	0.00	1.40	0.51	0	4	1	97	0.00	0.0	1.685	0.000	4	1	1	1
031405	PL.45931	B	Consumer	7.48Y	124.6	0.00	1.40	0.50	0	4	1	97	0.00	0.0	1.608	0.000	4	1	1	1
C PL.40692	PL.9727	A	6ACWC	7.42Y	123.6	0.79	2.36	125.35	65	917	188	98	15.48	0.6	1.751	0.164	0	0	0	142 C
C		B		7.44Y	123.9	0.68	2.08	110.03	57	806	165	98					0	0	0	107 C
C		C		7.42Y	123.6	0.81	2.40	122.78	64	897	190	98					0	0	0	116 C
C PL.40693	PL.40692	A	6ACWC	7.41Y	123.5	0.18	2.53	124.95	65	908	185	98	3.46	0.1	1.787	0.037	0	0	0	141 C
C		B		7.43Y	123.8	0.15	2.23	110.03	57	802	164	98					0	0	0	107 C
C		C		7.40Y	123.4	0.18	2.58	122.78	64	891	188	98					0	0	0	116 C
C PL.4884	PL.40693	A	6ACWC	7.40Y	123.3	0.18	2.71	124.95	65	907	184	98	3.53	0.1	1.825	0.037	0	0	0	141 C
C		B		7.42Y	123.6	0.16	2.39	110.03	57	801	163	98					0	0	0	107 C
C		C		7.39Y	123.2	0.18	2.77	122.78	64	890	187	98					0	0	0	116 C
C PL.4885	PL.4884	A	6ACWC	7.36Y	122.7	0.61	3.32	124.37	65	902	183	98	12.02	0.5	1.953	0.128	0	0	0	140 C
C		B		7.38Y	123.1	0.53	2.92	110.03	57	800	163	98					0	0	0	107 C
C		C		7.36Y	122.6	0.63	3.40	122.78	64	888	187	98					0	0	0	116 C
031401	PL.4885	A	Consumer	7.36Y	122.7	0.00	3.32	1.42	0	10	2	98	0.00	0.0	1.953	0.000	10	2	1	1
031402	PL.4885	A	Consumer	7.36Y	122.7	0.00	3.32	0.99	0	7	1	99	0.00	0.0	1.953	0.000	7	1	1	1
031424	PL.4885	A	Consumer	7.36Y	122.7	0.00	3.32	0.01	0	0	0	100	0.00	0.0	1.953	0.000	0	0	1	1
C PL.4883	PL.4885	A	6ACWC	7.34Y	122.3	0.42	3.73	121.96	64	880	178	98	8.27	0.3	2.042	0.089	0	0	0	137 C
C		B		7.36Y	122.7	0.37	3.29	110.03	57	796	162	98					0	0	0	107 C
C		C		7.33Y	122.2	0.44	3.84	122.78	64	884	185	98					0	0	0	116 C
C PL.9726	PL.4883	A	6ACWC	7.33Y	122.2	0.10	3.84	121.96	64	877	177	98	2.02	0.1	2.064	0.022	0	0	0	137 C
C		B		7.36Y	122.6	0.09	3.39	110.03	57	794	161	98					0	0	0	107 C
C		C		7.32Y	122.1	0.11	3.95	122.78	64	881	184	98					0	0	0	116 C
030316	PL.9726	A	Consumer	7.33Y	122.2	0.00	3.84	0.29	0	2	0	100	0.00	0.0	2.064	0.000	2	0	1	1
030323	PL.9726	A	Consumer	7.33Y	122.2	0.00	3.84	0.18	0	1	1	71	0.00	0.0	2.064	0.000	1	1	1	1
C PL.19707	PL.9726	A	6ACWC	7.30Y	121.7	0.42	4.26	121.50	63	873	176	98	8.39	0.3	2.155	0.091	0	0	0	135 C
C		B		7.33Y	122.2	0.38	3.77	110.03	57	793	161	98					0	0	0	107 C
C		C		7.30Y	121.6	0.45	4.39	122.78	64	880	184	98					0	0	0	116 C
030308	PL.19707	A	Consumer	7.30Y	121.7	0.00	4.26	1.21	0	9	1	99	0.00	0.0	2.155	0.000	9	1	1	1
C PL.19708	PL.19707	A	6ACWC	7.29Y	121.5	0.23	4.49	120.29	63	861	173	98	4.67	0.2	2.206	0.051	0	0	0	134 C
C		B		7.32Y	122.0	0.21	3.98	110.03	57	791	160	98					0	0	0	107 C
C		C		7.28Y	121.4	0.25	4.64	122.78	64	877	183	98					0	0	0	116 C

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
C PL.43739	PL.19708	A	6ACWC	7.27Y	121.2	0.34	4.82	120.29	63	860	173	98	6.38	0.3	2.278	0.072	0	0	0	134 C
C		B		7.30Y	121.7	0.30	4.28	110.03	57	790	159	98					0	0	0	107 C
C		C		7.26Y	121.0	0.33	4.97	116.52	61	833	163	98					0	0	0	114 C
C PD.3410	PL.43739	A	70L	7.27Y	121.2	0.00	4.82	120.29	172	858	172	98	0.00	0.0	2.278	0.000	0	0	0	134 C
C		B		7.30Y	121.7	0.00	4.28	110.03	157	788	159	98					0	0	0	107 C
C		C		7.26Y	121.0	0.00	4.97	116.52	166	830	162	98					0	0	0	114 C
C PL.43740	PD.3410	A	6ACWC	7.26Y	120.9	0.23	5.05	120.29	63	858	172	98	4.35	0.2	2.327	0.049	0	0	0	134 C
C		B		7.29Y	121.5	0.21	4.49	110.03	57	788	159	98					0	0	0	107 C
C		C		7.25Y	120.8	0.23	5.20	116.52	61	830	162	98					0	0	0	114 C
PL.27281	PL.43740	C	4ACSR	7.25Y	120.8	0.00	5.20	24.34	13	174	29	99	0.00	0.0	2.328	0.001	0	0	0	25
PL.27282	PL.27281	C	4ACSR	7.25Y	120.8	0.00	5.20	24.34	13	174	29	99	0.00	0.0	2.330	0.002	0	0	0	25
PL.43741	PL.27282	C	4ACSR	7.25Y	120.8	0.02	5.22	24.34	13	174	29	99	0.02	0.0	2.346	0.016	0	0	0	25
PD.3409	PL.43741	C	35L	7.25Y	120.8	0.00	5.22	24.34	70	174	29	99	0.00	0.0	2.346	0.000	0	0	0	25
PL.43742	PD.3409	C	4ACSR	7.24Y	120.7	0.12	5.33	24.34	13	174	29	99	0.16	0.1	2.456	0.110	0	0	0	25
PL.24530	PL.43742	C	4ACSR	7.24Y	120.6	0.07	5.41	23.62	12	169	28	99	0.10	0.1	2.528	0.072	0	0	0	23
PL.9736	PL.24530	C	4ACSR	7.23Y	120.5	0.08	5.49	21.55	11	154	25	99	0.10	0.1	2.614	0.086	0	0	0	22
PL.40597	PL.9736	C	4ACSR	7.23Y	120.5	0.05	5.54	18.09	9	129	21	99	0.05	0.0	2.677	0.063	0	0	0	20
PD.7226-A	PL.40597	C	Closed	7.23Y	120.5	0.00	5.54	18.09	0	129	21	99	0.00	0.0	2.677	0.000	0	0	0	20
PD.7226-B	PD.7226-A	C	Closed	7.23Y	120.5	0.00	5.54	18.09	0	129	21	99	0.00	0.0	2.677	0.000	0	0	0	20
PL.40598	PD.7226-B	C	4ACSR	7.23Y	120.5	0.01	5.55	18.09	9	129	21	99	0.01	0.0	2.689	0.012	0	0	0	20
PL.19614	PL.40598	C	4ACSR	7.22Y	120.4	0.07	5.62	16.60	9	118	19	99	0.07	0.1	2.788	0.099	0	0	0	19
PL.9737	PL.19614	C	4ACSR	7.22Y	120.4	0.03	5.65	16.29	8	116	19	99	0.03	0.0	2.832	0.044	0	0	0	18
031322	PL.9737	C	Consumer	7.22Y	120.4	0.00	5.65	1.23	0	9	1	99	0.00	0.0	2.832	0.000	9	1	1	1
PL.9738	PL.9737	C	4ACSR	7.21Y	120.2	0.15	5.80	15.05	8	107	18	99	0.13	0.1	3.070	0.237	0	0	0	17
PL.40599	PL.9738	C	4ACSR	7.21Y	120.2	0.00	5.80	1.36	1	10	2	98	0.00	0.0	3.078	0.009	0	0	0	1
PD.7227	PL.40599	C	fuse6AMP	7.21Y	120.2	0.00	5.80	1.36	23	10	2	98	0.00	0.0	3.078	0.000	0	0	0	1
PL.40600	PD.7227	C	4ACSR	7.21Y	120.2	0.00	5.81	1.36	1	10	2	98	0.00	0.0	3.130	0.052	0	0	0	1
031328	PL.40600	C	Consumer	7.21Y	120.2	0.00	5.81	1.36	0	10	2	98	0.00	0.0	3.130	0.000	10	2	1	1
PL.9739	PL.9738	C	4ACSR	7.21Y	120.2	0.04	5.84	13.69	7	97	16	99	0.03	0.0	3.131	0.062	0	0	0	16
031307	PL.9739	C	Consumer	7.21Y	120.2	0.00	5.84	1.41	0	10	2	98	0.00	0.0	3.131	0.000	10	2	1	1
0313033	PL.9739	C	Consumer	7.21Y	120.2	0.00	5.84	0.38	0	3	0	100	0.00	0.0	3.131	0.000	3	0	1	1
PL.9740	PL.9739	C	4ACSR	7.21Y	120.1	0.03	5.86	11.04	6	79	13	99	0.02	0.0	3.186	0.054	0	0	0	12
PL.24529	PL.9740	C	4ACSR	7.21Y	120.1	0.03	5.89	10.42	5	74	12	99	0.02	0.0	3.247	0.061	0	0	0	11
031318	PL.24529	C	Consumer	7.21Y	120.1	0.00	5.89	0.67	0	5	1	98	0.00	0.0	3.247	0.000	5	1	1	1
031324	PL.24529	C	Consumer	7.21Y	120.1	0.00	5.89	1.59	0	11	2	98	0.00	0.0	3.247	0.000	11	2	1	1
PL.40611	PL.24529	C	4ACSR	7.21Y	120.1	0.02	5.91	6.89	4	49	8	99	0.01	0.0	3.316	0.070	0	0	0	7
PD.7233-A	PL.40611	C	Closed	7.21Y	120.1	0.00	5.91	6.89	0	49	8	99	0.00	0.0	3.316	0.000	0	0	0	7
PD.7233-B	PD.7233-A	C	Closed	7.21Y	120.1	0.00	5.91	6.89	0	49	8	99	0.00	0.0	3.316	0.000	0	0	0	7
PL.40612	PD.7233-B	C	4ACSR	7.20Y	120.1	0.00	5.92	6.89	4	49	8	99	0.00	0.0	3.329	0.012	0	0	0	7
PL.40607	PL.40612	C	4ACSR	7.20Y	120.1	0.00	5.92	0.44	0	3	1	95	0.00	0.0	3.333	0.005	0	0	0	1
PD.7231	PL.40607	C	fuse6AMP	7.20Y	120.1	0.00	5.92	0.44	7	3	1	95	0.00	0.0	3.333	0.000	0	0	0	1

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Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.40608	PD.7231	C	4ACSR	7.20Y	120.1	0.00	5.92	0.44	0	3	1	95	0.00	0.0	3.426	0.092	0	0	0	1
031306	PL.40608	C	Consumer	7.20Y	120.1	0.00	5.92	0.44	0	3	1	95	0.00	0.0	3.426	0.000	3	1	1	1
PL.9742	PL.40612	C	4ACSR	7.20Y	120.1	0.01	5.93	4.61	2	33	5	99	0.00	0.0	3.395	0.067	0	0	0	4
031313	PL.9742	C	Consumer	7.20Y	120.1	0.00	5.93	1.42	0	10	2	98	0.00	0.0	3.395	0.000	10	2	1	1
PL.9743	PL.9742	C	4ACSR	7.20Y	120.1	0.01	5.94	3.18	2	23	4	99	0.00	0.0	3.492	0.096	0	0	0	3
PL.40613	PL.9743	C	4ACSR	7.20Y	120.1	0.00	5.94	0.00	0	0	0	100	0.00	0.0	3.496	0.004	0	0	0	0
PD.7234	PL.40613	C	fuse6AMP	7.20Y	120.1	0.00	5.94	0.00	0	0	0	100	0.00	0.0	3.496	0.000	0	0	0	0
PL.40614	PD.7234	C	4ACSR	7.20Y	120.1	0.00	5.94	0.00	0	0	0	100	0.00	0.0	3.584	0.088	0	0	0	0
PL.9744	PL.9743	C	4ACSR	7.20Y	120.1	0.00	5.95	1.86	1	13	2	99	0.00	0.0	3.529	0.037	0	0	0	2
031327	PL.9744	C	Consumer	7.20Y	120.1	0.00	5.95	0.00	0	0	0	100	0.00	0.0	3.529	0.000	0	0	1	1
PL.27799	PL.9744	C	4ACSR	7.20Y	120.1	0.00	5.95	1.86	1	13	2	99	0.00	0.0	3.562	0.033	0	0	0	1
PL.27800	PL.27799	C	4ACSR	7.20Y	120.0	0.00	5.95	1.86	1	13	2	99	0.00	0.0	3.623	0.062	0	0	0	1
032307	PL.27800	C	Consumer	7.20Y	120.0	0.00	5.95	1.86	0	13	2	99	0.00	0.0	3.623	0.000	13	2	1	1
032306	PL.9743	C	Consumer	7.20Y	120.1	0.00	5.94	1.32	0	9	2	98	0.00	0.0	3.492	0.000	9	2	1	1
PL.40609	PL.40612	C	4ACSR	7.20Y	120.1	0.00	5.92	1.85	1	13	2	99	0.00	0.0	3.335	0.006	0	0	0	2
PD.7232	PL.40609	C	fuse6AMP	7.20Y	120.1	0.00	5.92	1.85	32	13	2	99	0.00	0.0	3.335	0.000	0	0	0	2
PL.40610	PD.7232	C	4ACSR	7.20Y	120.1	0.01	5.93	1.85	1	13	2	99	0.00	0.0	3.466	0.132	0	0	0	2
031329	PL.40610	C	Consumer	7.20Y	120.1	0.00	5.93	1.82	0	13	2	99	0.00	0.0	3.466	0.000	13	2	1	1
031331	PL.40610	C	Consumer	7.20Y	120.1	0.00	5.93	0.03	0	0	0	100	0.00	0.0	3.466	0.000	0	0	1	1
PL.40605	PL.24529	C	4ACSR	7.21Y	120.1	0.00	5.89	1.26	1	9	1	99	0.00	0.0	3.259	0.012	0	0	0	2
PD.7230	PL.40605	C	fuse6AMP	7.21Y	120.1	0.00	5.89	1.26	22	9	1	99	0.00	0.0	3.259	0.000	0	0	0	2
PL.40606	PD.7230	C	4ACSR	7.21Y	120.1	0.00	5.90	1.26	1	9	1	99	0.00	0.0	3.329	0.070	0	0	0	2
031323	PL.40606	C	Consumer	7.21Y	120.1	0.00	5.90	0.71	0	5	1	98	0.00	0.0	3.329	0.000	5	1	1	1
031321	PL.40606	C	Consumer	7.21Y	120.1	0.00	5.90	0.56	0	4	1	97	0.00	0.0	3.329	0.000	4	1	1	1
031310	PL.40606	C	Consumer	7.21Y	120.1	0.00	5.90	0.00	0	0	0	100	0.00	0.0	3.329	0.000	0	0	0	0
031308	PL.9740	C	Consumer	7.21Y	120.1	0.00	5.86	0.62	0	4	1	97	0.00	0.0	3.186	0.000	4	1	1	1
PL.40601	PL.9739	C	4ACSR	7.21Y	120.2	0.00	5.84	0.24	0	2	0	100	0.00	0.0	3.140	0.009	0	0	0	1
PD.7228	PL.40601	C	fuse6AMP	7.21Y	120.2	0.00	5.84	0.24	4	2	0	100	0.00	0.0	3.140	0.000	0	0	0	1
PL.40602	PD.7228	C	4ACSR	7.21Y	120.2	0.00	5.84	0.24	0	2	0	100	0.00	0.0	3.182	0.042	0	0	0	1
031330	PL.40602	C	Consumer	7.21Y	120.2	0.00	5.84	0.24	0	2	0	100	0.00	0.0	3.182	0.000	2	0	1	1
PL.40603	PL.9739	C	2ACSR	7.21Y	120.2	0.00	5.84	0.63	0	4	1	97	0.00	0.0	3.141	0.010	0	0	0	1
PD.7229	PL.40603	C	fuse6AMP	7.21Y	120.2	0.00	5.84	0.63	11	4	1	97	0.00	0.0	3.141	0.000	0	0	0	1
PL.40604	PD.7229	C	2ACSR	7.21Y	120.2	0.00	5.84	0.63	0	4	1	97	0.00	0.0	3.161	0.020	0	0	0	1
031312	PL.40604	C	Consumer	7.21Y	120.2	0.00	5.84	0.63	0	4	1	97	0.00	0.0	3.161	0.000	4	1	1	1
031304	PL.19614	C	Consumer	7.22Y	120.4	0.00	5.62	0.31	0	2	0	100	0.00	0.0	2.788	0.000	2	0	1	1
031314	PL.19614	C	Consumer	7.22Y	120.4	0.00	5.62	0.00	0	0	0	100	0.00	0.0	2.788	0.000	0	0	0	0
031325	PL.40598	C	Consumer	7.23Y	120.5	0.00	5.55	1.50	0	11	2	98	0.00	0.0	2.689	0.000	11	2	1	1
031319	PL.9736	C	Consumer	7.23Y	120.5	0.00	5.49	0.00	0	0	0	100	0.00	0.0	2.614	0.000	0	0	0	0

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
031303	PL.9736	C	Consumer	7.23Y	120.5	0.00	5.49	0.92	0	7	1	99	0.00	0.0	2.614	0.000	7	1	1	1
0313032	PL.9736	C	Consumer	7.23Y	120.5	0.00	5.49	2.54	0	18	3	99	0.00	0.0	2.614	0.000	18	3	1	1
031326	PL.9736	C	Consumer	7.23Y	120.5	0.00	5.49	0.00	0	0	0	100	0.00	0.0	2.614	0.000	0	0	0	0
031320	PL.24530	C	Consumer	7.24Y	120.6	0.00	5.41	2.07	0	15	2	99	0.00	0.0	2.528	0.000	15	2	1	1
030322	PL.43742	C	Consumer	7.24Y	120.7	0.00	5.33	0.00	0	0	0	100	0.00	0.0	2.456	0.000	0	0	0	0
030326	PL.43742	C	Consumer	7.24Y	120.7	0.00	5.33	0.00	0	0	0	100	0.00	0.0	2.456	0.000	0	0	1	1
030324	PL.43742	C	Consumer	7.24Y	120.7	0.00	5.33	0.72	0	5	1	98	0.00	0.0	2.456	0.000	5	1	1	1
PL.27285	PL.43740	A	4ACSR	7.26Y	120.9	0.00	5.05	0.00	0	0	0	100	0.00	0.0	2.327	0.000	0	0	0	0
		B		7.29Y	121.5	0.00	4.49	0.00	0	0	0	100					0	0	0	0
		C		7.25Y	120.8	0.00	5.20	0.00	0	0	0	100					0	0	0	0
030325	PL.43740	A	Consumer	7.26Y	120.9	0.00	5.05	1.47	0	11	2	98	0.00	0.0	2.327	0.000	11	2	1	1
030302	PL.43740	C	Consumer	7.25Y	120.8	0.00	5.20	0.08	0	1	0	100	0.00	0.0	2.327	0.000	1	0	1	1
030320	PL.43740	C	Consumer	7.25Y	120.8	0.00	5.20	1.80	0	13	2	99	0.00	0.0	2.327	0.000	13	2	1	1
C PL.27286	PL.43740	A	4ACSR	7.26Y	120.9	0.01	5.06	118.82	61	845	170	98	0.10	0.0	2.329	0.001	0	0	0	133 C
C		B		7.29Y	121.5	0.01	4.49	110.03	57	786	158	98					0	0	0	107 C
		C		7.25Y	120.8	0.00	5.20	90.32	47	641	131	98					0	0	0	87
C PL.27284	PL.27286	A	4ACSR	7.26Y	120.9	0.01	5.07	118.82	61	845	170	98	0.11	0.0	2.330	0.002	0	0	0	133 C
C		B		7.29Y	121.5	0.01	4.50	110.03	57	786	158	98					0	0	0	107 C
		C		7.25Y	120.8	0.01	5.21	90.32	47	641	131	98					0	0	0	87
C PL.28168	PL.27284	A	6ACWC	7.23Y	120.5	0.46	5.53	118.82	62	845	170	98	7.19	0.3	2.425	0.095	0	0	0	133 C
C		B		7.27Y	121.1	0.38	4.88	110.03	57	786	158	98					0	0	0	107 C
		C		7.23Y	120.5	0.33	5.53	90.32	47	641	131	98					0	0	0	87
C PL.20745	PL.28168	A	6ACWC	7.15Y	119.2	1.24	6.77	118.82	62	842	168	98	19.19	0.8	2.678	0.253	0	0	0	133 C
C		B		7.21Y	120.1	1.02	5.90	110.03	57	784	157	98					0	0	0	107 C
		C		7.18Y	119.6	0.87	6.40	90.32	47	640	130	98					0	0	0	87
PL.9724	PL.20745	B	4ACSR	7.21Y	120.1	0.00	5.91	2.36	1	17	3	98	0.00	0.0	2.707	0.029	0	0	0	2
459319	PL.9724	B	Consumer	7.21Y	120.1	0.00	5.91	0.00	0	0	0	100	0.00	0.0	2.707	0.000	0	0	0	0
030301	PL.9724	B	Consumer	7.21Y	120.1	0.00	5.91	2.04	0	15	2	99	0.00	0.0	2.707	0.000	15	2	1	1
PL.9725	PL.9724	B	4ACSR	7.21Y	120.1	0.00	5.91	0.32	0	2	0	100	0.00	0.0	2.777	0.069	0	0	0	1
030303	PL.9725	B	Consumer	7.21Y	120.1	0.00	5.91	0.32	0	2	0	100	0.00	0.0	2.777	0.000	2	0	1	1
PL.1715	PL.20745	B	4ACSR	7.21Y	120.1	0.00	5.90	1.01	1	7	1	99	0.00	0.0	2.706	0.028	0	0	0	1
PL.2912	PL.1715	B	4ACSR	7.21Y	120.1	0.00	5.91	1.01	1	7	1	99	0.00	0.0	2.733	0.027	0	0	0	1
459324	PL.2912	B	Consumer	7.21Y	120.1	0.00	5.91	1.01	0	7	1	99	0.00	0.0	2.733	0.000	7	1	1	1
C PL.9723	PL.20745	A	6ACWC	7.15Y	119.1	0.13	6.90	118.82	62	834	165	98	2.04	0.1	2.706	0.027	0	0	0	133 C
C		B		7.20Y	120.0	0.11	6.01	106.66	56	754	150	98					0	0	0	104 C
		C		7.17Y	119.5	0.10	6.50	90.32	47	635	129	98					0	0	0	87
C PL.9720	PL.9723	A	6ACWC	7.14Y	119.0	0.13	7.03	118.82	62	833	165	98	1.94	0.1	2.732	0.026	0	0	0	133 C
C		B		7.19Y	119.9	0.10	6.11	106.66	56	753	150	98					0	0	0	104 C
		C		7.16Y	119.4	0.09	6.59	90.32	47	635	129	98					0	0	0	87
C PL.9721	PL.9720	A	6ACWC	7.12Y	118.7	0.29	7.32	118.82	62	832	164	98	4.43	0.2	2.791	0.060	0	0	0	133 C
C		B		7.18Y	119.7	0.23	6.34	106.66	56	752	150	98					0	0	0	104 C
		C		7.15Y	119.2	0.21	6.80	90.32	47	634	129	98					0	0	0	87
L PL.9722	PL.9721	A	6ACWC	7.07Y	117.9	0.79	8.11	118.82	62	830	164	98	11.97	0.5	2.954	0.162	0	0	0	133 L
C		B		7.14Y	119.0	0.62	6.97	105.96	55	746	148	98					0	0	0	103 C
		C		7.12Y	118.6	0.56	7.36	90.32	47	633	128	98					0	0	0	87
PL.28110	PL.9722	C	4ACSR	7.12Y	118.6	0.00	7.36	1.32	1	9	2	98	0.00	0.0	2.959	0.005	0	0	0	1
PD.1515	PL.28110	C	fuse6AMP	7.12Y	118.6	0.00	7.36	1.32	23	9	2	98	0.00	0.0	2.959	0.000	0	0	0	1

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.28111	PD.1515	C	4ACSR	7.12Y	118.6	0.01	7.37	1.32	1	9	2	98	0.00	0.0	3.062	0.103	0	0	0	1
459301	PL.28111	C	Consumer	7.12Y	118.6	0.00	7.37	1.32	0	9	2	98	0.00	0.0	3.062	0.000	9	2	1	1
PL.28109	PL.9722	B	4ACSR	7.14Y	119.0	0.00	6.97	8.48	4	60	10	99	0.00	0.0	2.957	0.003	0	0	0	9
C PD.1516	PL.28109	B	fuse6AMP	7.14Y	119.0	0.00	6.97	8.48	145	60	10	99	0.00	0.0	2.957	0.000	0	0	0	9 C
PL.22961	PD.1516	B	4ACSR	7.14Y	119.0	0.02	6.98	8.48	4	60	10	99	0.01	0.0	2.998	0.041	0	0	0	9
459313	PL.22961	B	Consumer	7.14Y	119.0	0.00	6.98	1.83	0	13	2	99	0.00	0.0	2.998	0.000	13	2	1	1
PL.21395	PL.22961	B	4ACSR	7.14Y	119.0	0.02	7.00	6.66	3	47	8	99	0.01	0.0	3.052	0.054	0	0	0	8
PL.40595	PL.21395	B	4ACSR	7.14Y	119.0	0.02	7.01	5.29	3	37	6	99	0.00	0.0	3.122	0.070	0	0	0	6
PL.40596	PL.40595	B	4ACSR	7.14Y	119.0	0.01	7.02	5.29	3	37	6	99	0.00	0.0	3.159	0.037	0	0	0	6
459307	PL.40596	B	Consumer	7.14Y	119.0	0.00	7.02	1.28	0	9	1	99	0.00	0.0	3.159	0.000	9	1	1	1
PL.21398	PL.40596	B	4ACSR	7.14Y	119.0	0.00	7.02	4.02	2	28	5	98	0.00	0.0	3.165	0.005	0	0	0	5
PL.21397	PL.21398	B	4ACSR	7.14Y	119.0	0.00	7.03	0.97	1	7	1	99	0.00	0.0	3.213	0.048	0	0	0	2
459312	PL.21397	B	Consumer	7.14Y	119.0	0.00	7.03	0.07	0	0	0	100	0.00	0.0	3.213	0.000	0	0	1	1
PL.22600	PL.21397	B	4ACSR	7.14Y	119.0	0.00	7.03	0.91	0	6	1	99	0.00	0.0	3.331	0.119	0	0	0	1
PL.23608	PL.22600	B	4ACSR	7.14Y	119.0	0.00	7.03	0.00	0	0	0	100	0.00	0.0	3.332	0.001	0	0	0	0
PL.22603	PL.22600	B	4ACSR	7.14Y	119.0	0.00	7.03	0.91	0	6	1	99	0.00	0.0	3.338	0.006	0	0	0	1
PL.22604	PL.22603	B	4ACSR	7.14Y	119.0	0.00	7.03	0.00	0	0	0	100	0.00	0.0	3.364	0.026	0	0	0	0
PL.23607	PL.22604	B	4ACSR	7.14Y	119.0	0.00	7.03	0.00	0	0	0	100	0.00	0.0	3.439	0.075	0	0	0	0
PL.23606	PL.23607	B	4ACSR	7.14Y	119.0	0.00	7.03	0.00	0	0	0	100	0.00	0.0	3.562	0.123	0	0	0	0
PL.23605	PL.23606	B	4ACSR	7.14Y	119.0	0.00	7.03	0.00	0	0	0	100	0.00	0.0	3.616	0.055	0	0	0	0
PL.23604	PL.23605	B	4ACSR	7.14Y	119.0	0.00	7.03	0.00	0	0	0	100	0.00	0.0	3.707	0.091	0	0	0	0
459404	PL.22603	B	Consumer	7.14Y	119.0	0.00	7.03	0.91	0	6	1	99	0.00	0.0	3.338	0.000	6	1	1	1
PL.21826	PL.21398	B	4ACSR	7.14Y	119.0	0.00	7.03	3.04	2	21	3	99	0.00	0.0	3.180	0.016	0	0	0	3
PL.23588	PL.21826	B	4ACSR	7.14Y	119.0	0.01	7.03	3.04	2	21	3	99	0.00	0.0	3.242	0.062	0	0	0	3
459318	PL.23588	B	Consumer	7.14Y	119.0	0.00	7.03	0.00	0	0	0	100	0.00	0.0	3.242	0.000	0	0	1	1
PL.23587	PL.23588	B	4ACSR	7.14Y	119.0	0.01	7.04	3.04	2	21	3	99	0.00	0.0	3.288	0.046	0	0	0	2
PL.22601	PL.23587	B	4ACSR	7.14Y	119.0	0.00	7.04	0.90	0	6	1	99	0.00	0.0	3.332	0.044	0	0	0	1
PL.22602	PL.22601	B	4ACSR	7.14Y	119.0	0.00	7.04	0.90	0	6	1	99	0.00	0.0	3.342	0.011	0	0	0	1
PL.23609	PL.22602	B	4ACSR	7.14Y	119.0	0.00	7.04	0.90	0	6	1	99	0.00	0.0	3.373	0.030	0	0	0	1
459401	PL.23609	B	Consumer	7.14Y	119.0	0.00	7.04	0.90	0	6	1	99	0.00	0.0	3.373	0.000	6	1	1	1
459310	PL.23587	B	Consumer	7.14Y	119.0	0.00	7.04	2.14	0	15	2	99	0.00	0.0	3.288	0.000	15	2	1	1
459315	PL.21395	B	Consumer	7.14Y	119.0	0.00	7.00	0.50	0	4	1	97	0.00	0.0	3.052	0.000	4	1	1	1
459306	PL.21395	B	Consumer	7.14Y	119.0	0.00	7.00	0.86	0	6	1	99	0.00	0.0	3.052	0.000	6	1	1	1
L PL.40908	PL.9722	A	6ACWC	7.07Y	117.8	0.14	8.25	118.82	62	825	161	98	2.04	0.1	2.983	0.029	0	0	0	133 L
C		B		7.14Y	118.9	0.10	7.07	97.48	51	683	137	98					0	0	0	94 C
		C		7.11Y	118.5	0.10	7.47	89.00	46	621	126	98					0	0	0	86
L PD.7288-A	PL.40908	A	Closed	7.07Y	117.8	0.00	8.25	118.82	0	824	161	98	0.00	0.0	2.983	0.000	0	0	0	133 L
		B		7.14Y	118.9	0.00	7.07	97.48	0	682	137	98					0	0	0	94
		C		7.11Y	118.5	0.00	7.47	89.00	0	620	126	98					0	0	0	86

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Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
L PD.7288-B	PD.7288-A	A	Closed	7.07Y	117.8	0.00	8.25	118.82	0	824	161	98	0.00	0.0	2.983	0.000	0	0	0	133 L
		B		7.14Y	118.9	0.00	7.07	97.48	0	682	137	98					0	0	0	94
		C		7.11Y	118.5	0.00	7.47	89.00	0	620	126	98					0	0	0	86
L PL.40909	PD.7288-B	A	6ACWC	7.04Y	117.3	0.46	8.71	118.82	62	824	161	98	6.70	0.3	3.079	0.096	0	0	0	133 L
C		B		7.12Y	118.6	0.33	7.40	97.48	51	682	137	98					0	0	0	94 C
		C		7.09Y	118.2	0.34	7.81	89.00	46	620	126	98					0	0	0	86
PL.41717	PL.40909	C	4ACSR	7.09Y	118.2	0.00	7.81	1.96	1	14	2	99	0.00	0.0	3.085	0.006	0	0	0	1
PD.7504	PL.41717	C	fuse6AMP	7.09Y	118.2	0.00	7.81	1.96	33	14	2	99	0.00	0.0	3.085	0.000	0	0	0	1
PL.41718	PD.7504	C	4ACSR	7.09Y	118.2	0.01	7.82	1.96	1	14	2	99	0.00	0.0	3.191	0.105	0	0	0	1
459317	PL.41718	C	Consumer	7.09Y	118.2	0.00	7.82	0.00	0	0	0	100	0.00	0.0	3.191	0.000	0	0	0	0
459321	PL.41718	C	Consumer	7.09Y	118.2	0.00	7.82	1.96	0	14	2	99	0.00	0.0	3.191	0.000	14	2	1	1
L PL.9478	PL.40909	A	6ACWC	6.98Y	116.4	0.89	9.60	118.82	62	821	160	98	12.51	0.6	3.263	0.183	0	0	0	133 L
L		B		7.08Y	118.0	0.63	8.03	97.48	51	680	136	98					0	0	0	94 L
L		C		7.05Y	117.6	0.62	8.43	85.69	45	595	122	98					0	0	0	84 L
L 458321	PL.9478	A	Consumer	6.98Y	116.4	0.00	9.60	1.36	0	9	2	98	0.00	0.0	3.263	0.000	9	2	1	1 L
L PL.27347	PL.9478	A	4ACSR	6.98Y	116.4	0.00	9.60	0.72	0	5	1	98	0.00	0.0	3.269	0.006	0	0	0	2 L
L PD.1517	PL.27347	A	fuse6AMP	6.98Y	116.4	0.00	9.60	0.72	12	5	1	98	0.00	0.0	3.269	0.000	0	0	0	2 L
L PL.27263	PD.1517	A	4ACSR	6.98Y	116.4	0.00	9.60	0.72	0	5	1	98	0.00	0.0	3.303	0.034	0	0	0	2 L
L PL.7040	PL.27263	A	4ACSR	6.98Y	116.4	0.00	9.60	0.72	0	5	1	98	0.00	0.0	3.371	0.068	0	0	0	1 L
L 458322	PL.7040	A	Consumer	6.98Y	116.4	0.00	9.60	0.72	0	5	1	98	0.00	0.0	3.371	0.000	5	1	1	1 L
L 458348	PL.27263	A	Consumer	6.98Y	116.4	0.00	9.60	0.00	0	0	0	100	0.00	0.0	3.303	0.000	0	0	1	1 L
L PL.9479	PL.9478	A	6ACWC	6.98Y	116.3	0.08	9.68	116.75	61	801	155	98	1.17	0.1	3.280	0.017	0	0	0	130 L
L		B		7.07Y	117.9	0.06	8.09	97.48	51	677	134	98					0	0	0	94 L
L		C		7.05Y	117.5	0.06	8.48	85.69	45	592	121	98					0	0	0	84 L
L PL.7024	PL.9479	A	6ACWC	6.97Y	116.1	0.22	9.90	116.75	61	800	155	98	3.04	0.1	3.325	0.045	0	0	0	130 L
L		B		7.06Y	117.7	0.16	8.25	97.48	51	676	134	98					0	0	0	94 L
L		C		7.04Y	117.4	0.15	8.64	85.69	45	592	121	98					0	0	0	84 L
L PL.9718	PL.7024	A	6ACWC	6.94Y	115.7	0.37	10.27	116.75	61	799	154	98	5.18	0.3	3.402	0.077	0	0	0	130 L
L		B		7.05Y	117.5	0.27	8.52	97.48	51	676	134	98					0	0	0	94 L
L		C		7.03Y	117.1	0.26	8.90	85.69	45	591	120	98					0	0	0	84 L
L PL.33045	PL.9718	A	6ACWC	6.91Y	115.2	0.57	10.84	116.75	61	796	153	98	8.00	0.4	3.522	0.120	0	0	0	130 L
L		B		7.02Y	117.1	0.41	8.93	97.48	51	674	133	98					0	0	0	94 L
L		C		7.00Y	116.7	0.40	9.30	84.90	44	584	119	98					0	0	0	83 L
L 458342	PL.33045	B	Consumer	7.02Y	117.1	0.00	8.93	1.25	0	9	1	99	0.00	0.0	3.522	0.000	9	1	1	1 L
L 458350	PL.33045	B	Consumer	7.02Y	117.1	0.00	8.93	1.73	0	12	2	99	0.00	0.0	3.522	0.000	12	2	1	1 L
L 458338	PL.33045	C	Consumer	7.00Y	116.7	0.00	9.30	0.61	0	4	1	97	0.00	0.0	3.522	0.000	4	1	1	1 L
L PL.33046	PL.33045	A	6ACWC	6.90Y	115.0	0.13	10.96	116.75	61	792	151	98	1.72	0.1	3.548	0.026	0	0	0	130 L
L		B		7.02Y	117.0	0.09	9.02	94.50	49	651	129	98					0	0	0	92 L
L		C		7.00Y	116.6	0.09	9.38	84.29	44	578	118	98					0	0	0	82 L
L PL.41719	PL.33046	A	4ACSR	6.90Y	115.0	0.04	11.00	116.75	60	792	151	98	0.50	0.0	3.556	0.008	0	0	0	130 L
L		B		7.02Y	117.0	0.03	9.05	94.50	49	651	129	98					0	0	0	92 L
L		C		7.00Y	116.6	0.03	9.41	84.29	43	578	118	98					0	0	0	82 L
L 458318	PL.41719	B	Consumer	7.02Y	117.0	0.00	9.05	0.73	0	5	1	98	0.00	0.0	3.556	0.000	5	1	1	1 L
L 458331	PL.41719	B	Consumer	7.02Y	117.0	0.00	9.05	0.64	0	4	1	97	0.00	0.0	3.556	0.000	4	1	1	1 L
L PL.41720	PL.41719	A	6ACWC	6.89Y	114.9	0.09	11.09	116.75	61	791	151	98	1.29	0.1	3.576	0.020	0	0	0	130 L
L		B		7.01Y	116.9	0.07	9.11	93.14	49	641	127	98					0	0	0	90 L
L		C		6.99Y	116.5	0.07	9.48	84.29	44	578	118	98					0	0	0	82 L
L PL.41773	PL.41720	C	2ACSR	6.99Y	116.5	0.00	9.48	0.01	0	0	0	100	0.00	0.0	3.581	0.006	0	0	0	1 L

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Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PD.7516	PL.41773	C	fuse6AMP	6.99Y	116.5	0.00	9.48	0.01	0	0	0	100	0.00	0.0	3.581	0.000	0	0	0	1	L
L PL.41774	PD.7516	C	2ACSR	6.99Y	116.5	0.00	9.48	0.01	0	0	0	100	0.00	0.0	3.604	0.023	0	0	0	1	L
L 4583063	PL.41774	C	Consumer	6.99Y	116.5	0.00	9.48	0.01	0	0	0	100	0.00	0.0	3.604	0.000	0	0	1	1	L
L PL.39222	PL.41720	A	6ACWC	6.85Y	114.2	0.67	11.76	116.75	61	791	151	98	9.14	0.5	3.717	0.141	0	0	0	130	L
L		B		6.99Y	116.4	0.46	9.57	93.14	49	641	127	98					0	0	0	90	L
L		C		6.96Y	116.1	0.47	9.95	84.28	44	577	118	98					0	0	0	81	L
L PL.9476	PL.39222	A	6ACWC	6.83Y	113.9	0.34	12.10	116.75	61	786	149	98	4.53	0.2	3.787	0.071	0	0	0	130	L
L		B		6.97Y	116.2	0.23	9.80	93.14	49	638	126	98					0	0	0	90	L
L		C		6.95Y	115.8	0.23	10.18	82.11	43	560	115	98					0	0	0	79	L
L PL.41721	PL.9476	B	4ACSR	6.97Y	116.2	0.00	9.80	1.96	1	13	2	99	0.00	0.0	3.791	0.003	0	0	0	2	L
L PD.7505	PL.41721	B	fuse6AMP	6.97Y	116.2	0.00	9.80	1.96	33	13	2	99	0.00	0.0	3.791	0.000	0	0	0	2	L
L PL.41722	PD.7505	B	4ACSR	6.97Y	116.2	0.01	9.81	1.96	1	13	2	99	0.00	0.0	3.859	0.068	0	0	0	2	L
L 458325	PL.41722	B	Consumer	6.97Y	116.2	0.00	9.81	0.22	0	1	0	100	0.00	0.0	3.859	0.000	1	0	1	1	L
L 458351	PL.41722	B	Consumer	6.97Y	116.2	0.00	9.81	1.74	0	12	2	99	0.00	0.0	3.859	0.000	12	2	1	1	L
L 458334	PL.9476	C	Consumer	6.95Y	115.8	0.00	10.18	1.66	0	11	2	98	0.00	0.0	3.787	0.000	11	2	1	1	L
L PL.9477	PL.9476	A	6ACWC	6.82Y	113.6	0.31	12.41	116.75	61	784	148	98	4.08	0.2	3.852	0.065	0	0	0	130	L
L		B		6.96Y	116.0	0.21	10.01	91.18	47	624	123	98					0	0	0	88	L
L		C		6.94Y	115.6	0.21	10.39	80.46	42	548	113	98					0	0	0	78	L
L PL.9474	PL.9477	A	6ACWC	6.80Y	113.4	0.18	12.58	116.75	61	782	147	98	2.28	0.1	3.889	0.037	0	0	0	130	L
L		B		6.95Y	115.9	0.11	10.12	88.55	46	605	120	98					0	0	0	84	L
L		C		6.93Y	115.5	0.12	10.51	80.46	42	547	112	98					0	0	0	78	L
L PL.41725	PL.9474	B	4ACSR	6.95Y	115.9	0.00	10.12	1.77	1	12	2	99	0.00	0.0	3.893	0.004	0	0	0	3	L
L PD.7507	PL.41725	B	fuse6AMP	6.95Y	115.9	0.00	10.12	1.77	30	12	2	99	0.00	0.0	3.893	0.000	0	0	0	3	L
L PL.41726	PD.7507	B	4ACSR	6.95Y	115.9	0.01	10.13	1.77	1	12	2	99	0.00	0.0	4.007	0.113	0	0	0	3	L
L 458344	PL.41726	B	Consumer	6.95Y	115.9	0.00	10.13	0.02	0	0	0	100	0.00	0.0	4.007	0.000	0	0	1	1	L
L 458326	PL.41726	B	Consumer	6.95Y	115.9	0.00	10.13	1.09	0	8	1	99	0.00	0.0	4.007	0.000	8	1	1	1	L
L 458328	PL.41726	B	Consumer	6.95Y	115.9	0.00	10.13	0.65	0	4	1	97	0.00	0.0	4.007	0.000	4	1	1	1	L
L PL.9475	PL.9474	A	6ACWC	6.78Y	113.0	0.45	13.03	116.75	61	781	146	98	5.80	0.3	3.984	0.095	0	0	0	130	L
L		B		6.94Y	115.6	0.28	10.40	86.79	45	592	118	98					0	0	0	81	L
L		C		6.91Y	115.2	0.31	10.82	80.46	42	546	112	98					0	0	0	78	L
L 458324	PL.9475	B	Consumer	6.94Y	115.6	0.00	10.40	0.00	0	0	0	100	0.00	0.0	3.984	0.000	0	0	1	1	L
L 458315	PL.9475	A	Consumer	6.78Y	113.0	0.00	13.03	1.86	0	12	2	99	0.00	0.0	3.984	0.000	12	2	1	1	L
L PL.7033	PL.9475	A	6ACWC	6.76Y	112.6	0.32	13.36	64.54	34	429	85	98	5.24	0.3	4.115	0.131	0	0	0	73	L
L		B		6.91Y	115.1	0.47	10.87	86.79	45	590	117	98					0	0	0	80	L
L		C		6.89Y	114.8	0.38	11.20	80.46	42	545	112	98					0	0	0	78	L
L PL.41728	PL.7033	B	4ACSR	6.91Y	115.1	0.00	10.87	0.27	0	2	0	100	0.00	0.0	4.119	0.004	0	0	0	1	L
L PD.7508	PL.41728	B	fuse6AMP	6.91Y	115.1	0.00	10.87	0.27	5	2	0	100	0.00	0.0	4.119	0.000	0	0	0	1	L
L PL.41729	PD.7508	B	4ACSR	6.91Y	115.1	0.00	10.87	0.27	0	2	0	100	0.00	0.0	4.205	0.086	0	0	0	1	L
L 458312	PL.41729	B	Consumer	6.91Y	115.1	0.00	10.87	0.27	0	2	0	100	0.00	0.0	4.205	0.000	2	0	1	1	L
L PL.40892	PL.7033	A	6ACWC	6.75Y	112.5	0.18	13.53	64.54	34	428	85	98	2.92	0.2	4.188	0.073	0	0	0	73	L
L		B		6.89Y	114.9	0.26	11.13	86.51	45	586	116	98					0	0	0	79	L
L		C		6.87Y	114.6	0.22	11.42	80.46	42	543	111	98					0	0	0	78	L
L PD.7279-A	PL.40892	A	Closed	6.75Y	112.5	0.00	13.53	64.54	0	427	84	98	0.00	0.0	4.188	0.000	0	0	0	73	L
L		B		6.89Y	114.9	0.00	11.13	86.51	0	585	115	98					0	0	0	79	L
L		C		6.87Y	114.6	0.00	11.42	80.46	0	542	111	98					0	0	0	78	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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L	PD.7279-B	PD.7279-A	A	Closed	6.75Y	112.5	0.00	13.53	64.54	0	427	84	98	0.00	0.0	4.188	0.000	0	0	0	73	L
L			B		6.89Y	114.9	0.00	11.13	86.51	0	585	115	98					0	0	0	79	L
L			C		6.87Y	114.6	0.00	11.42	80.46	0	542	111	98					0	0	0	78	L
L	PL.40893	PD.7279-B	A	6ACWC	6.75Y	112.4	0.03	13.57	64.54	34	427	84	98	0.54	0.0	4.202	0.014	0	0	0	73	L
L			B		6.89Y	114.8	0.05	11.18	86.51	45	585	115	98					0	0	0	79	L
L			C		6.87Y	114.5	0.04	11.46	80.46	42	542	111	98					0	0	0	78	L
L	457314	PL.40893	A	Consumer	6.75Y	112.4	0.00	13.57	1.23	0	7	4	87	0.00	0.0	4.202	0.000	7	4	0	0	L
L			B		6.89Y	114.8	0.00	11.18	1.21	0	7	4	90					7	4	0	0	L
L			C		6.87Y	114.5	0.00	11.46	1.21	0	7	4	90					7	4	0	0	L
L	PL.9471	PL.40893	A	6ACWC	6.73Y	112.2	0.24	13.81	40.29	21	268	46	99	5.97	0.4	4.378	0.177	0	0	0	55	L
L			B		6.85Y	114.2	0.67	11.85	85.35	44	577	112	98					0	0	0	79	L
L			C		6.84Y	114.1	0.49	11.95	79.29	41	534	107	98					0	0	0	78	L
L	PL.19583	PL.9471	A	6ACWC	6.71Y	111.8	0.37	14.18	40.29	21	267	46	99	8.90	0.7	4.644	0.266	0	0	0	55	L
L			B		6.79Y	113.1	1.01	12.86	85.35	44	574	110	98					0	0	0	79	L
L			C		6.80Y	113.3	0.72	12.67	78.37	41	526	105	98					0	0	0	75	L
L	PL.19584	PL.19583	A	6ACWC	6.70Y	111.7	0.15	14.33	40.29	21	266	46	99	3.68	0.3	4.754	0.110	0	0	0	55	L
L			B		6.76Y	112.7	0.42	13.27	85.35	44	569	108	98					0	0	0	79	L
L			C		6.78Y	113.0	0.30	12.97	78.37	41	523	103	98					0	0	0	75	L
L	PL.41760	PL.19584	C	4ACSR	6.78Y	113.0	0.00	12.97	1.98	1	12	6	89	0.00	0.0	4.761	0.007	0	0	0	2	L
L	PD.7510	PL.41760	C	fuse6AMP	6.78Y	113.0	0.00	12.97	1.98	34	12	6	89	0.00	0.0	4.761	0.000	0	0	0	2	L
L	PL.41761	PD.7510	C	4ACSR	6.78Y	113.0	0.01	12.98	1.98	1	12	6	89	0.00	0.0	4.867	0.106	0	0	0	2	L
L	PL.2913	PL.41761	C	4ACSR	6.78Y	113.0	0.01	12.99	1.98	1	12	6	89	0.00	0.0	4.925	0.058	0	0	0	2	L
L	457343	PL.2913	C	Consumer	6.78Y	113.0	0.00	12.99	0.74	0	5	2	93	0.00	0.0	4.925	0.000	5	2	1	1	L
L	457320	PL.2913	C	Consumer	6.78Y	113.0	0.00	12.99	1.24	0	8	4	89	0.00	0.0	4.925	0.000	8	4	1	1	L
L	PL.9470	PL.19584	A	6ACWC	6.68Y	111.3	0.38	14.70	40.29	21	266	46	99	8.87	0.7	5.024	0.270	0	0	0	55	L
L			B		6.70Y	111.7	1.02	14.29	85.35	44	567	108	98					0	0	0	79	L
L			C		6.74Y	112.3	0.71	13.68	76.46	40	510	96	98					0	0	0	73	L
	RG.16	PL.9470	A	1ph-100A-7	7.35Y	122.4	-11.13	3.58	40.29	40	265	46	99	percent Boost=10.00 Tap=16.0							55	
C			B		7.37Y	122.9	-11.17	3.12	85.35	85	562	106	98	percent Boost=10.00 Tap=16.0						C		
			C		7.41Y	123.6	-11.23	2.45	76.46	76	507	95	98	percent Boost=10.00 Tap=16.0								
	OH48	RG.16	A	6ACWC	7.34Y	122.4	0.07	3.65	36.63	19	265	46	99	1.55	0.1	5.081	0.057	0	0	0	55	
			B		7.36Y	122.7	0.20	3.32	77.59	40	562	106	98					0	0	0	79	
			C		7.40Y	123.4	0.14	2.58	69.51	36	507	95	98					0	0	0	73	
	457334	OH48	C	Consumer	7.40Y	123.4	0.00	2.58	0.65	0	4	2	89	0.00	0.0	5.081	0.000	4	2	1	1	
	457317	OH48	A	Consumer	7.34Y	122.4	0.00	3.65	0.00	0	0	0	100	0.00	0.0	5.081	0.000	0	0	0	0	
	457322	OH48	C	Consumer	7.40Y	123.4	0.00	2.58	3.58	0	26	4	99	0.00	0.0	5.081	0.000	26	4	1	1	
	457319	OH48	C	Consumer	7.40Y	123.4	0.00	2.58	0.72	0	5	1	98	0.00	0.0	5.081	0.000	5	1	1	1	
	PL.7037	OH48	B	4ACSR	7.36Y	122.6	0.10	3.42	56.91	29	413	71	99	0.30	0.1	5.120	0.038	0	0	0	58	
			C		7.41Y	123.4	-0.00	2.58	11.23	6	82	13	99					0	0	0	10	
	PL.15561	PL.7037	B	4ACSR	7.35Y	122.4	0.16	3.58	56.91	29	412	71	99	0.51	0.1	5.185	0.065	0	0	0	58	
			C		7.41Y	123.4	-0.02	2.56	7.75	4	57	9	99					0	0	0	9	
	PL.15562	PL.15561	B	4ACSR	7.34Y	122.4	0.01	3.59	56.91	29	412	71	99	0.04	0.0	5.190	0.005	0	0	0	58	
			C		7.41Y	123.4	-0.00	2.56	7.75	4	57	9	99					0	0	0	9	
	PL.9468	PL.15562	B	4ACSR	7.34Y	122.4	0.04	3.63	56.91	29	412	71	99	0.11	0.0	5.205	0.015	0	0	0	58	
			C		7.41Y	123.4	-0.00	2.56	7.75	4	57	9	99					0	0	0	9	
	PL.9469	PL.9468	B	4ACSR	7.30Y	121.7	0.71	4.34	56.91	29	412	71	99	2.20	0.5	5.488	0.284	0	0	0	58	
			C		7.41Y	123.5	-0.07	2.49	7.75	4	57	9	99					0	0	0	9	
	456360	PL.9469	B	Consumer	7.30Y	121.7	0.00	4.34	0.18	0	1	0	100	0.00	0.0	5.488	0.000	1	0	1	1	
	PL.9745	PL.9469	B	4ACSR	7.28Y	121.4	0.28	4.62	56.73	29	408	69	99	0.88	0.2	5.602	0.114	0	0	0	57	
			C		7.41Y	123.5	-0.03	2.47	7.75	4	57	9	99					0	0	0	9	

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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.16891	PL.9745	B	4ACSR	7.28Y	121.4	0.00	4.62	2.00	1	14	2	99	0.00	0.0	5.610	0.007	0	0	0	2
PD.1061	PL.16891	B	fuse6AMP	7.28Y	121.4	0.00	4.62	2.00	34	14	2	99	0.00	0.0	5.610	0.000	0	0	0	2
PL.16892	PD.1061	B	4ACSR	7.28Y	121.4	0.00	4.62	2.00	1	14	2	99	0.00	0.0	5.660	0.051	0	0	0	2
456354	PL.16892	B	Consumer	7.28Y	121.4	0.00	4.62	1.99	0	14	2	99	0.00	0.0	5.660	0.000	14	2	1	1
456363	PL.16892	B	Consumer	7.28Y	121.4	0.00	4.62	0.00	0	0	0	100	0.00	0.0	5.660	0.000	0	0	1	1
PL.9746	PL.9745	B	4ACSR	7.28Y	121.4	0.02	4.64	54.73	28	393	67	99	0.07	0.0	5.612	0.009	0	0	0	55
		C		7.41Y	123.5	-0.00	2.46	7.75	4	57	9	99					0	0	0	9
PL.9747	PL.9746	B	4ACSR	7.28Y	121.3	0.02	4.66	54.73	28	393	67	99	0.06	0.0	5.620	0.008	0	0	0	55
		C		7.41Y	123.5	-0.00	2.46	7.75	4	57	9	99					0	0	0	9
PL.16885	PL.9747	B	4ACSR	7.28Y	121.3	0.00	4.66	54.73	28	393	66	99	0.01	0.0	5.621	0.001	0	0	0	55
		C		7.41Y	123.5	-0.00	2.46	7.75	4	57	9	99					0	0	0	9
PL.16886	PL.16885	B	4ACSR	7.28Y	121.3	0.05	4.72	54.73	28	393	66	99	0.16	0.0	5.643	0.022	0	0	0	55
		C		7.41Y	123.5	-0.01	2.46	6.03	3	44	7	99					0	0	0	8
PL.16889	PL.16886	B	4ACSR	7.28Y	121.3	0.00	4.72	1.43	1	10	2	98	0.00	0.0	5.646	0.003	0	0	0	1
PD.1058	PL.16889	B	fuse6AMP	7.28Y	121.3	0.00	4.72	1.43	24	10	2	98	0.00	0.0	5.646	0.000	0	0	0	1
PL.16890	PD.1058	B	4ACSR	7.28Y	121.3	0.02	4.74	1.43	1	10	2	98	0.00	0.0	5.960	0.314	0	0	0	1
456357	PL.16890	B	Consumer	7.28Y	121.3	0.00	4.74	1.43	0	10	2	98	0.00	0.0	5.960	0.000	10	2	1	1
PL.9748	PL.16886	B	4ACSR	7.27Y	121.2	0.08	4.80	53.30	27	382	65	99	0.23	0.1	5.677	0.034	0	0	0	54
		C		7.41Y	123.6	-0.01	2.45	6.03	3	44	7	99					0	0	0	8
PL.16887	PL.9748	B	4ACSR	7.27Y	121.2	0.00	4.80	3.20	2	23	4	99	0.00	0.0	5.678	0.002	0	0	0	2
PD.1060	PL.16887	B	fuse6AMP	7.27Y	121.2	0.00	4.80	3.20	55	23	4	99	0.00	0.0	5.678	0.000	0	0	0	2
PL.16888	PD.1060	B	4ACSR	7.27Y	121.2	0.00	4.80	3.20	2	23	4	99	0.00	0.0	5.679	0.001	0	0	0	2
PL.23517	PL.16888	B	4ACSR	7.27Y	121.2	0.00	4.80	1.54	1	11	2	98	0.00	0.0	5.740	0.061	0	0	0	1
456256	PL.23517	B	Consumer	7.27Y	121.2	0.00	4.80	1.54	0	11	2	98	0.00	0.0	5.740	0.000	11	2	1	1
PL.23017	PL.16888	B	4ACSR	7.27Y	121.2	0.00	4.80	1.65	1	12	2	99	0.00	0.0	5.739	0.060	0	0	0	1
456251	PL.23017	B	Consumer	7.27Y	121.2	0.00	4.80	1.65	0	12	2	99	0.00	0.0	5.739	0.000	12	2	1	1
PL.9749	PL.9748	B	4ACSR	7.26Y	121.1	0.15	4.94	50.11	26	359	61	99	0.40	0.1	5.744	0.067	0	0	0	52
		C		7.41Y	123.6	-0.02	2.43	6.03	3	44	7	99					0	0	0	8
PL.9750	PL.9749	B	4ACSR	7.25Y	120.8	0.26	5.20	48.67	25	349	59	99	0.69	0.2	5.866	0.123	0	0	0	50
		C		7.42Y	123.6	-0.03	2.40	5.05	3	37	6	99					0	0	0	7
456220	PL.9750	C	Consumer	7.42Y	123.6	0.00	2.40	0.93	0	7	1	99	0.00	0.0	5.866	0.000	7	1	1	1
456225	PL.9750	C	Consumer	7.42Y	123.6	0.00	2.40	0.07	0	1	0	100	0.00	0.0	5.866	0.000	1	0	1	1
456209	PL.9750	C	Consumer	7.42Y	123.6	0.00	2.40	0.89	0	6	1	99	0.00	0.0	5.866	0.000	6	1	1	1
PL.9751	PL.9750	B	4ACSR	7.24Y	120.6	0.19	5.39	48.67	25	348	59	99	0.49	0.1	5.954	0.087	0	0	0	50
		C		7.42Y	123.6	-0.03	2.37	3.16	2	23	4	99					0	0	0	4
PL.9752	PL.9751	B	4ACSR	7.24Y	120.6	0.00	5.39	8.69	4	62	10	99	0.00	0.0	5.954	0.001	0	0	0	7
		C		7.42Y	123.6	0.00	2.37	3.16	2	23	4	99					0	0	0	4
PL.13605	PL.9752	B	4ACSR	7.23Y	120.6	0.05	5.44	8.69	4	62	10	99	0.02	0.0	6.075	0.121	0	0	0	7
		C		7.42Y	123.6	0.01	2.37	3.16	2	23	4	99					0	0	0	4
PL.41762	PL.13605	B	4ACSR	7.23Y	120.6	0.00	5.44	6.42	3	46	7	99	0.00	0.0	6.077	0.002	0	0	0	4
C PD.7511	PL.41762	B	fuse6AMP	7.23Y	120.6	0.00	5.44	6.42	110	46	7	99	0.00	0.0	6.077	0.000	0	0	0	4 C
PL.41765	PD.7511	B	4ACSR	7.23Y	120.6	0.00	5.44	6.42	3	46	7	99	0.00	0.0	6.079	0.002	0	0	0	4
PL.41766	PL.41765	B	4ACSR	7.23Y	120.6	0.01	5.45	3.36	2	24	4	99	0.00	0.0	6.172	0.093	0	0	0	2

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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
456206	PL.41766	B	Consumer	7.23Y	120.6	0.00	5.45	2.12	0	15	2	99	0.00	0.0	6.172	0.000	15	2	1	1
PL.22533	PL.41766	B	4ACSR	7.23Y	120.6	0.00	5.45	1.24	1	9	1	99	0.00	0.0	6.173	0.001	0	0	0	1
PL.22331	PL.22533	B	4ACSR	7.23Y	120.5	0.01	5.46	1.24	1	9	1	99	0.00	0.0	6.281	0.108	0	0	0	1
456244	PL.22331	B	Consumer	7.23Y	120.5	0.00	5.46	1.24	0	9	1	99	0.00	0.0	6.281	0.000	9	1	1	1
PL.41764	PL.41765	B	4ACSR	7.23Y	120.6	0.01	5.45	3.06	2	22	4	98	0.00	0.0	6.166	0.086	0	0	0	2
456217	PL.41764	B	Consumer	7.23Y	120.6	0.00	5.45	1.78	0	13	2	99	0.00	0.0	6.166	0.000	13	2	1	1
456247	PL.41764	B	Consumer	7.23Y	120.6	0.00	5.45	1.29	0	9	1	99	0.00	0.0	6.166	0.000	9	1	1	1
PL.13606	PL.13605	B	4ACSR	7.23Y	120.5	0.02	5.45	2.27	1	16	3	98	0.01	0.0	6.233	0.158	0	0	0	3
		C		7.42Y	123.6	0.02	2.39	3.16	2	23	4	99					0	0	0	4
PL.40282	PL.13606	C	4ACSR	7.42Y	123.6	0.00	2.39	1.23	1	9	1	99	0.00	0.0	6.236	0.003	0	0	0	1
PD.7134	PL.40282	C	fuse6AMP	7.42Y	123.6	0.00	2.39	1.23	21	9	1	99	0.00	0.0	6.236	0.000	0	0	0	1
PL.40283	PD.7134	C	4ACSR	7.42Y	123.6	0.01	2.40	1.23	1	9	1	99	0.00	0.0	6.333	0.097	0	0	0	1
456216	PL.40283	C	Consumer	7.42Y	123.6	0.00	2.40	0.00	0	0	0	100	0.00	0.0	6.333	0.000	0	0	0	0
456224	PL.40283	C	Consumer	7.42Y	123.6	0.00	2.40	1.23	0	9	1	99	0.00	0.0	6.333	0.000	9	1	1	1
PL.13607	PL.13606	B	4ACSR	7.23Y	120.5	0.02	5.47	2.27	1	16	3	98	0.00	0.0	6.419	0.186	0	0	0	3
		C		7.42Y	123.6	0.01	2.40	1.93	1	14	2	99					0	0	0	3
PL.41767	PL.13607	B	4ACSR	7.23Y	120.5	0.00	5.47	1.14	1	8	1	99	0.00	0.0	6.423	0.004	0	0	0	1
PD.7512	PL.41767	B	fuse6AMP	7.23Y	120.5	0.00	5.47	1.14	19	8	1	99	0.00	0.0	6.423	0.000	0	0	0	1
PL.41768	PD.7512	B	4ACSR	7.23Y	120.5	0.00	5.48	1.14	1	8	1	99	0.00	0.0	6.488	0.065	0	0	0	1
456231	PL.41768	B	Consumer	7.23Y	120.5	0.00	5.48	1.14	0	8	1	99	0.00	0.0	6.488	0.000	8	1	1	1
PL.21236	PL.13607	B	4ACSR	7.23Y	120.5	0.00	5.47	0.00	0	0	0	100	0.00	0.0	6.460	0.041	0	0	0	0
		C		7.42Y	123.6	0.00	2.41	1.93	1	14	2	99					0	0	0	3
456223	PL.21236	C	Consumer	7.42Y	123.6	0.00	2.41	1.02	0	7	1	99	0.00	0.0	6.460	0.000	7	1	1	1
PL.22595	PL.21236	B	4ACSR	7.23Y	120.5	0.00	5.47	0.00	0	0	0	100	0.00	0.0	6.501	0.041	0	0	0	0
		C		7.42Y	123.6	0.00	2.41	0.91	0	7	1	99					0	0	0	2
456232	PL.22595	C	Consumer	7.42Y	123.6	0.00	2.41	0.78	0	6	1	99	0.00	0.0	6.501	0.000	6	1	1	1
456240	PL.22595	C	Consumer	7.42Y	123.6	0.00	2.41	0.13	0	1	0	100	0.00	0.0	6.501	0.000	1	0	1	1
PL.40889	PL.22595	B	4ACSR	7.23Y	120.5	0.00	5.47	0.00	0	0	0	100	0.00	0.0	6.548	0.047	0	0	0	0
		C		7.42Y	123.6	0.00	2.41	0.00	0	0	0	100					0	0	0	0
PD.7276-B	PL.40889	B	Open	7.23Y	120.5	0.00	5.47	0.00	0	0	0	100	0.00	0.0	6.548	0.000	0	0	0	0
		C		7.42Y	123.6	0.00	2.41	0.00	0	0	0	100					0	0	0	0
456230	PL.13607	B	Consumer	7.23Y	120.5	0.00	5.47	1.13	0	8	1	99	0.00	0.0	6.419	0.000	8	1	1	1
456203	PL.13607	B	Consumer	7.23Y	120.5	0.00	5.47	0.00	0	0	0	100	0.00	0.0	6.419	0.000	0	0	1	1
PL.7018	PL.9751	C	4ACSR	7.42Y	123.6	0.00	2.37	0.00	0	0	0	100	0.00	0.0	5.955	0.001	0	0	0	0
PL.28657	PL.7018	C	4ACSR	7.42Y	123.6	0.00	2.37	0.00	0	0	0	100	0.00	0.0	6.022	0.067	0	0	0	0
456208	PL.28657	C	Consumer	7.42Y	123.6	0.00	2.37	0.00	0	0	0	100	0.00	0.0	6.022	0.000	0	0	0	0
PL.32789	PL.28657	C	4ACSR	7.42Y	123.6	0.00	2.37	0.00	0	0	0	100	0.00	0.0	6.076	0.054	0	0	0	0
PL.13603	PL.9751	B	4ACSR	7.24Y	120.6	0.01	5.40	39.98	21	285	48	99	0.03	0.0	5.962	0.008	0	0	0	43
PD.3525	PL.13603	B	50L	7.24Y	120.6	0.00	5.40	39.98	80	285	48	99	0.00	0.0	5.962	0.000	0	0	0	43
PL.13604	PD.3525	B	4ACSR	7.23Y	120.5	0.06	5.46	39.98	21	285	48	99	0.12	0.0	5.994	0.032	0	0	0	43
PL.41040	PL.13604	B	4ACSR	7.23Y	120.5	0.00	5.46	0.62	0	4	1	97	0.00	0.0	5.998	0.004	0	0	0	1

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Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.7334	PL.41040	B	fuse6AMP	7.23Y	120.5	0.00	5.46	0.62	11	4	1	97	0.00	0.0	5.998	0.000	0	0	0	1
PL.41041	PD.7334	B	4ACSR	7.23Y	120.5	0.00	5.46	0.62	0	4	1	97	0.00	0.0	6.032	0.034	0	0	0	1
456239	PL.41041	B	Consumer	7.23Y	120.5	0.00	5.46	0.62	0	4	1	97	0.00	0.0	6.032	0.000	4	1	1	1
PL.9753	PL.13604	B	4ACSR	7.22Y	120.4	0.16	5.62	39.36	20	281	47	99	0.35	0.1	6.090	0.096	0	0	0	42
PL.9754	PL.9753	B	4ACSR	7.22Y	120.3	0.08	5.70	37.55	19	267	45	99	0.17	0.1	6.139	0.049	0	0	0	40
PL.41042	PL.9754	B	4ACSR	7.22Y	120.3	0.00	5.70	1.77	1	13	2	99	0.00	0.0	6.143	0.004	0	0	0	1
PD.7335	PL.41042	B	fuse6AMP	7.22Y	120.3	0.00	5.70	1.77	30	13	2	99	0.00	0.0	6.143	0.000	0	0	0	1
PL.41043	PD.7335	B	4ACSR	7.22Y	120.3	0.01	5.71	1.77	1	13	2	99	0.00	0.0	6.213	0.070	0	0	0	1
4562065	PL.41043	B	Consumer	7.22Y	120.3	0.00	5.71	0.00	0	0	0	100	0.00	0.0	6.213	0.000	0	0	0	0
456254	PL.41043	B	Consumer	7.22Y	120.3	0.00	5.71	1.77	0	13	2	99	0.00	0.0	6.213	0.000	13	2	1	1
PL.9755	PL.9754	B	4ACSR	7.22Y	120.3	0.04	5.74	35.78	18	255	43	99	0.08	0.0	6.165	0.026	0	0	0	39
PL.9756	PL.9755	B	4ACSR	7.21Y	120.1	0.14	5.89	30.90	16	220	37	99	0.25	0.1	6.273	0.108	0	0	0	36
PL.9757	PL.9756	B	4ACSR	7.20Y	120.0	0.09	5.97	29.57	15	210	35	99	0.14	0.1	6.341	0.068	0	0	0	33
456201	PL.9757	B	Consumer	7.20Y	120.0	0.00	5.97	0.27	0	2	0	100	0.00	0.0	6.341	0.000	2	0	1	1
PL.9758	PL.9757	B	4ACSR	7.20Y	120.0	0.06	6.04	29.31	15	208	35	99	0.10	0.0	6.391	0.050	0	0	0	32
457202	PL.9758	B	Consumer	7.20Y	120.0	0.00	6.04	2.18	0	15	3	98	0.00	0.0	6.391	0.000	15	3	1	1
PL.9759	PL.9758	B	4ACSR	7.20Y	119.9	0.04	6.08	27.13	14	193	32	99	0.07	0.0	6.428	0.037	0	0	0	31
PL.9760	PL.9759	B	4ACSR	7.19Y	119.9	0.00	6.08	27.13	14	192	32	99	0.01	0.0	6.432	0.004	0	0	0	31
PL.9761	PL.9760	B	4ACSR	7.19Y	119.9	0.01	6.10	27.13	14	192	32	99	0.02	0.0	6.442	0.010	0	0	0	31
PL.41047	PL.9761	B	4ACSR	7.19Y	119.9	0.00	6.10	1.75	1	12	2	99	0.00	0.0	6.449	0.007	0	0	0	1
PD.7337	PL.41047	B	fuse6AMP	7.19Y	119.9	0.00	6.10	1.75	30	12	2	99	0.00	0.0	6.449	0.000	0	0	0	1
PL.45984	PD.7337	B	4ACSR	7.19Y	119.9	0.01	6.11	1.75	1	12	2	99	0.00	0.0	6.595	0.146	0	0	0	1
PL.45985	PL.45984	B	4ACSR	7.19Y	119.9	0.01	6.11	1.75	1	12	2	99	0.00	0.0	6.690	0.095	0	0	0	1
PL.23597	PL.45985	B	4ACSR	7.19Y	119.9	0.00	6.12	1.75	1	12	2	99	0.00	0.0	6.737	0.047	0	0	0	1
PL.23596	PL.23597	B	4ACSR	7.19Y	119.9	0.00	6.12	1.75	1	12	2	99	0.00	0.0	6.788	0.051	0	0	0	1
457205	PL.23596	B	Consumer	7.19Y	119.9	0.00	6.12	1.75	0	12	2	99	0.00	0.0	6.788	0.000	12	2	1	1
PL.45983	PL.45984	B	1/0EPRJCN	7.19Y	119.9	-0.00	6.11	-0.02	0	0	0	100	0.00	0.0	6.635	0.040	0	0	0	0
4572029	PL.45983	B	Consumer	7.19Y	119.9	0.00	6.11	0.00	0	0	0	100	0.00	0.0	6.635	0.000	0	0	0	0
PL.9762	PL.9761	B	4ACSR	7.19Y	119.8	0.05	6.15	22.95	12	163	28	99	0.07	0.0	6.497	0.055	0	0	0	28
457217	PL.9762	B	Consumer	7.19Y	119.8	0.00	6.15	1.65	0	12	2	99	0.00	0.0	6.497	0.000	12	2	1	1
456215	PL.9762	B	Consumer	7.19Y	119.8	0.00	6.15	0.71	0	5	1	98	0.00	0.0	6.497	0.000	5	1	1	1
PL.41055	PL.9762	B	4ACSR	7.19Y	119.8	0.00	6.15	1.81	1	13	2	99	0.00	0.0	6.505	0.008	0	0	0	1
PD.7341	PL.41055	B	fuse6AMP	7.19Y	119.8	0.00	6.15	1.81	31	13	2	99	0.00	0.0	6.505	0.000	0	0	0	1
PL.41056	PD.7341	B	4ACSR	7.19Y	119.8	0.01	6.16	1.81	1	13	2	99	0.00	0.0	6.593	0.088	0	0	0	1
457218	PL.41056	B	Consumer	7.19Y	119.8	0.00	6.16	1.81	0	13	2	99	0.00	0.0	6.593	0.000	13	2	1	1
PL.7038	PL.9762	B	4ACSR	7.19Y	119.8	0.10	6.25	18.78	10	133	23	99	0.10	0.1	6.616	0.119	0	0	0	25
457208	PL.7038	B	Consumer	7.19Y	119.8	0.00	6.25	1.51	0	11	2	98	0.00	0.0	6.616	0.000	11	2	1	1
457223	PL.7038	B	Consumer	7.19Y	119.8	0.00	6.25	1.67	0	12	2	99	0.00	0.0	6.616	0.000	12	2	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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.9763	PL.7038	B	4ACSR	7.18Y	119.7	0.05	6.30	15.59	8	110	19	99	0.05	0.0	6.695	0.078	0	0	0	23
PL.9764	PL.9763	B	4ACSR	7.18Y	119.7	0.02	6.32	10.63	5	75	13	99	0.01	0.0	6.744	0.049	0	0	0	20
457221	PL.9764	B	Consumer	7.18Y	119.7	0.00	6.32	0.10	0	1	0	100	0.00	0.0	6.744	0.000	1	0	1	1
PL.41061	PL.9764	B	4ACSR	7.18Y	119.7	0.00	6.32	0.00	0	0	0	100	0.00	0.0	6.751	0.007	0	0	0	0
PD.7344	PL.41061	B	fuse6AMP	7.18Y	119.7	0.00	6.32	0.00	0	0	0	100	0.00	0.0	6.751	0.000	0	0	0	0
PL.9649	PL.9764	B	4ACSR	7.18Y	119.7	0.02	6.34	10.53	5	74	13	98	0.01	0.0	6.777	0.033	0	0	0	19
PL.41063	PL.9649	B	4ACSR	7.18Y	119.7	0.00	6.34	1.62	1	11	2	98	0.00	0.0	6.786	0.009	0	0	0	1
PD.7345	PL.41063	B	fuse6AMP	7.18Y	119.7	0.00	6.34	1.62	28	11	2	98	0.00	0.0	6.786	0.000	0	0	0	1
PL.41064	PD.7345	B	4ACSR	7.18Y	119.7	0.00	6.34	1.62	1	11	2	98	0.00	0.0	6.839	0.053	0	0	0	1
457222	PL.41064	B	Consumer	7.18Y	119.7	0.00	6.34	1.62	0	11	2	98	0.00	0.0	6.839	0.000	11	2	1	1
457209	PL.9649	B	Consumer	7.18Y	119.7	0.00	6.34	0.07	0	0	0	100	0.00	0.0	6.777	0.000	0	0	1	1
457213	PL.9649	B	Consumer	7.18Y	119.7	0.00	6.34	0.59	0	4	1	97	0.00	0.0	6.777	0.000	4	1	1	1
PL.9650	PL.9649	B	4ACSR	7.18Y	119.6	0.02	6.36	8.26	4	58	11	98	0.01	0.0	6.842	0.065	0	0	0	16
PL.19419	PL.9650	B	4ACSR	7.18Y	119.6	0.01	6.37	8.17	4	58	10	99	0.00	0.0	6.864	0.022	0	0	0	15
4572026	PL.19419	B	Consumer	7.18Y	119.6	0.00	6.37	0.70	0	5	1	98	0.00	0.0	6.864	0.000	5	1	1	1
457204	PL.19419	B	Consumer	7.18Y	119.6	0.00	6.37	0.12	0	1	0	100	0.00	0.0	6.864	0.000	1	0	1	1
457219	PL.19419	B	Consumer	7.18Y	119.6	0.00	6.37	0.78	0	6	1	99	0.00	0.0	6.864	0.000	6	1	1	1
PL.45427	PL.19419	B	2ACSR	7.18Y	119.6	0.00	6.37	0.00	0	0	0	100	0.00	0.0	6.905	0.041	0	0	0	0
4572028	PL.45427	B	Consumer	7.18Y	119.6	0.00	6.37	0.00	0	0	0	100	0.00	0.0	6.905	0.000	0	0	0	0
PL.19420	PL.19419	B	4ACSR	7.18Y	119.6	0.02	6.39	6.57	3	46	9	98	0.01	0.0	6.919	0.055	0	0	0	12
PL.19241	PL.19420	B	4ACSR	7.18Y	119.6	0.01	6.39	6.28	3	44	8	98	0.00	0.0	6.938	0.019	0	0	0	11
PL.9652	PL.19241	B	4ACSR	7.18Y	119.6	0.00	6.39	6.12	3	43	8	98	0.00	0.0	6.948	0.010	0	0	0	10
PD.7346-A	PL.9652	B	Closed	7.18Y	119.6	0.00	6.39	6.12	0	43	8	98	0.00	0.0	6.948	0.000	0	0	0	10
PD.7346-B	PD.7346-A	B	Closed	7.18Y	119.6	0.00	6.39	6.12	0	43	8	98	0.00	0.0	6.948	0.000	0	0	0	10
PL.9651	PD.7346-B	B	4ACSR	7.18Y	119.6	0.01	6.40	6.12	3	43	8	98	0.00	0.0	6.977	0.030	0	0	0	10
PL.41067	PL.9651	B	4ACSR	7.18Y	119.6	0.00	6.40	2.80	1	20	3	99	0.00	0.0	6.984	0.007	0	0	0	3
PD.7348	PL.41067	B	fuse6AMP	7.18Y	119.6	0.00	6.40	2.80	48	20	3	99	0.00	0.0	6.984	0.000	0	0	0	3
PL.41068	PD.7348	B	4ACSR	7.18Y	119.6	0.01	6.41	2.80	1	20	3	99	0.00	0.0	7.074	0.090	0	0	0	3
PL.28571	PL.41068	B	4ACSR	7.17Y	119.6	0.01	6.42	2.80	1	20	3	99	0.00	0.0	7.130	0.056	0	0	0	3
PL.28573	PL.28571	B	4ACSR	7.17Y	119.6	0.00	6.42	2.80	1	20	3	99	0.00	0.0	7.154	0.025	0	0	0	3
PL.22189	PL.28573	B	4ACSR	7.17Y	119.6	0.00	6.43	2.80	1	20	3	99	0.00	0.0	7.183	0.029	0	0	0	3
PL.6549	PL.22189	B	4ACSR	7.17Y	119.6	0.02	6.45	1.93	1	14	2	99	0.00	0.0	7.446	0.263	0	0	0	2
PL.6550	PL.6549	B	4ACSR	7.17Y	119.5	0.01	6.45	1.80	1	13	2	99	0.00	0.0	7.525	0.079	0	0	0	1
446913	PL.6550	B	Consumer	7.17Y	119.5	0.00	6.45	1.80	0	13	2	99	0.00	0.0	7.525	0.000	13	2	1	1
446914	PL.6549	B	Consumer	7.17Y	119.6	0.00	6.45	0.13	0	1	0	100	0.00	0.0	7.446	0.000	1	0	1	1
PL.9654	PL.22189	B	4ACSR	7.17Y	119.6	0.00	6.43	0.87	0	6	1	99	0.00	0.0	7.236	0.053	0	0	0	1
446910	PL.9654	B	Consumer	7.17Y	119.6	0.00	6.43	0.87	0	6	1	99	0.00	0.0	7.236	0.000	6	1	1	1
PL.41065	PL.9651	B	4ACSR	7.18Y	119.6	0.00	6.40	1.76	1	12	2	99	0.00	0.0	6.984	0.007	0	0	0	1

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.7347	PL.41065	B	fuse6AMP	7.18Y	119.6	0.00	6.40	1.76	30	12	2	99	0.00	0.0	6.984	0.000	0	0	0	1
PL.41066	PD.7347	B	4ACSR	7.18Y	119.6	0.00	6.41	1.76	1	12	2	99	0.00	0.0	7.046	0.062	0	0	0	1
447916	PL.41066	B	Consumer	7.18Y	119.6	0.00	6.41	1.76	0	12	2	99	0.00	0.0	7.046	0.000	12	2	1	1
PL.22188	PL.9651	B	4ACSR	7.18Y	119.6	0.00	6.40	1.56	1	11	2	98	0.00	0.0	7.009	0.031	0	0	0	6
PL.21829	PL.22188	B	4ACSR	7.18Y	119.6	0.00	6.40	0.00	0	0	0	100	0.00	0.0	7.029	0.021	0	0	0	0
PL.41069	PL.21829	B	4ACSR	7.18Y	119.6	0.00	6.40	0.00	0	0	0	100	0.00	0.0	7.670	0.640	0	0	0	0
PD.379-A	PL.41069	B	Open	7.18Y	119.6	0.00	6.40	0.00	0	0	0	100	0.00	0.0	7.670	0.000	0	0	0	0
PL.29628	PL.22188	B	4ACSR	7.18Y	119.6	0.00	6.40	1.56	1	11	2	98	0.00	0.0	7.024	0.016	0	0	0	6
PD.7349	PL.29628	B	fuse6AMP	7.18Y	119.6	0.00	6.40	1.56	27	11	2	98	0.00	0.0	7.024	0.000	0	0	0	6
PL.21444	PD.7349	B	4ACSR	7.18Y	119.6	0.00	6.41	1.56	1	11	2	98	0.00	0.0	7.070	0.046	0	0	0	6
447904	PL.21444	B	Consumer	7.18Y	119.6	0.00	6.41	0.04	0	0	0	100	0.00	0.0	7.070	0.000	0	0	1	1
PL.21445	PL.21444	B	4ACSR	7.17Y	119.6	0.02	6.43	1.52	1	11	2	98	0.00	0.0	7.352	0.282	0	0	0	5
PL.23321	PL.21445	B	4ACSR	7.17Y	119.6	0.00	6.43	0.82	0	6	2	95	0.00	0.0	7.429	0.077	0	0	0	3
PL.22535	PL.23321	B	4ACSR	7.17Y	119.6	0.00	6.43	0.82	0	6	2	95	0.00	0.0	7.485	0.056	0	0	0	3
PL.24025	PL.22535	B	4ACSR	7.17Y	119.6	0.02	6.45	0.82	0	6	2	95	0.00	0.0	7.904	0.419	0	0	0	3
PL.24026	PL.24025	B	4ACSR	7.17Y	119.5	0.00	6.45	0.82	0	6	2	95	0.00	0.0	8.033	0.129	0	0	0	3
PL.32989	PL.24026	B	1/0EPRJCN	7.17Y	119.5	0.00	6.45	0.51	0	3	1	95	0.00	0.0	8.073	0.040	0	0	0	2
4469017	PL.32989	B	Consumer	7.17Y	119.5	0.00	6.45	0.41	0	3	1	95	0.00	0.0	8.073	0.000	3	1	1	1
4469015	PL.32989	B	Consumer	7.17Y	119.5	0.00	6.45	0.12	0	1	0	100	0.00	0.0	8.073	0.000	1	0	1	1
446905	PL.24026	B	Consumer	7.17Y	119.5	0.00	6.45	0.31	0	2	0	100	0.00	0.0	8.033	0.000	2	0	1	1
447910	PL.21445	B	Consumer	7.17Y	119.6	0.00	6.43	0.65	0	5	1	98	0.00	0.0	7.352	0.000	5	1	1	1
447914	PL.21445	B	Consumer	7.17Y	119.6	0.00	6.43	0.05	0	0	0	100	0.00	0.0	7.352	0.000	0	0	1	1
PL.28574	PL.21444	B	4ACSR	7.18Y	119.6	0.00	6.41	0.00	0	0	0	100	0.00	0.0	7.107	0.037	0	0	0	0
PL.9653	PD.7346-B	B	4ACSR	7.18Y	119.6	0.00	6.39	0.00	0	0	0	100	0.00	0.0	6.952	0.005	0	0	0	0
457220	PL.19241	B	Consumer	7.18Y	119.6	0.00	6.39	0.17	0	1	1	71	0.00	0.0	6.938	0.000	1	1	1	1
457210	PL.19420	B	Consumer	7.18Y	119.6	0.00	6.39	0.28	0	2	0	100	0.00	0.0	6.919	0.000	2	0	1	1
457216	PL.9650	B	Consumer	7.18Y	119.6	0.00	6.36	0.10	0	1	0	100	0.00	0.0	6.842	0.000	1	0	1	1
457201	PL.9763	B	Consumer	7.18Y	119.7	0.00	6.30	2.67	0	19	3	99	0.00	0.0	6.695	0.000	19	3	1	1
PL.41057	PL.9763	B	4ACSR	7.18Y	119.7	0.00	6.30	2.29	1	16	3	98	0.00	0.0	6.702	0.007	0	0	0	2
PD.7342	PL.41057	B	fuse6AMP	7.18Y	119.7	0.00	6.30	2.29	39	16	3	98	0.00	0.0	6.702	0.000	0	0	0	2
PL.41058	PD.7342	B	4ACSR	7.18Y	119.7	0.00	6.30	2.29	1	16	3	98	0.00	0.0	6.741	0.039	0	0	0	2
457206	PL.41058	B	Consumer	7.18Y	119.7	0.00	6.30	2.29	0	16	3	98	0.00	0.0	6.741	0.000	16	3	1	1
PL.23603	PL.41058	B	4ACSR	7.18Y	119.7	0.00	6.30	0.00	0	0	0	100	0.00	0.0	6.786	0.045	0	0	0	1
457224	PL.23603	B	Consumer	7.18Y	119.7	0.00	6.30	0.00	0	0	0	100	0.00	0.0	6.786	0.000	0	0	1	1
PL.41053	PL.9761	B	4ACSR	7.19Y	119.9	0.00	6.10	2.43	1	17	3	98	0.00	0.0	6.445	0.003	0	0	0	2
PD.7340	PL.41053	B	fuse6AMP	7.19Y	119.9	0.00	6.10	2.43	41	17	3	98	0.00	0.0	6.445	0.000	0	0	0	2
PL.41054	PD.7340	B	4ACSR	7.19Y	119.9	0.00	6.10	2.43	1	17	3	98	0.00	0.0	6.450	0.005	0	0	0	2
PL.41050	PL.41054	B	4ACSR	7.19Y	119.9	0.01	6.10	2.43	1	17	3	98	0.00	0.0	6.499	0.049	0	0	0	2

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Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
456226	PL.41050	B	Consumer	7.19Y	119.9	0.00	6.10	2.39	0	17	3	98	0.00	0.0	6.499	0.000	17	3	1	1
456259	PL.41050	B	Consumer	7.19Y	119.9	0.00	6.10	0.04	0	0	0	100	0.00	0.0	6.499	0.000	0	0	1	1
PL.41044	PL.9756	B	4ACSR	7.21Y	120.1	0.00	5.89	0.52	0	4	1	97	0.00	0.0	6.279	0.006	0	0	0	2
PD.7336	PL.41044	B	fuse6AMP	7.21Y	120.1	0.00	5.89	0.52	9	4	1	97	0.00	0.0	6.279	0.000	0	0	0	2
PL.41045	PD.7336	B	4ACSR	7.21Y	120.1	0.00	5.89	0.52	0	4	1	97	0.00	0.0	6.439	0.160	0	0	0	2
456229	PL.41045	B	Consumer	7.21Y	120.1	0.00	5.89	0.49	0	3	1	95	0.00	0.0	6.439	0.000	3	1	1	1
4562062	PL.41045	B	Consumer	7.21Y	120.1	0.00	5.89	0.04	0	0	0	100	0.00	0.0	6.439	0.000	0	0	1	1
456202	PL.9756	B	Consumer	7.21Y	120.1	0.00	5.89	0.80	0	6	1	99	0.00	0.0	6.273	0.000	6	1	1	1
4562066	PL.9755	B	Consumer	7.22Y	120.3	0.00	5.74	0.00	0	0	0	100	0.00	0.0	6.165	0.000	0	0	0	0
456250	PL.9755	B	Consumer	7.22Y	120.3	0.00	5.74	2.11	0	15	2	99	0.00	0.0	6.165	0.000	15	2	1	1
456255	PL.9755	B	Consumer	7.22Y	120.3	0.00	5.74	1.45	0	10	2	98	0.00	0.0	6.165	0.000	10	2	1	1
456252	PL.9755	B	Consumer	7.22Y	120.3	0.00	5.74	1.32	0	9	2	98	0.00	0.0	6.165	0.000	9	2	1	1
456260	PL.9753	B	Consumer	7.22Y	120.4	0.00	5.62	1.79	0	13	2	99	0.00	0.0	6.090	0.000	13	2	1	1
456235	PL.9753	B	Consumer	7.22Y	120.4	0.00	5.62	0.03	0	0	0	100	0.00	0.0	6.090	0.000	0	0	1	1
4562063	PL.9753	B	Consumer	7.22Y	120.4	0.00	5.62	0.00	0	0	0	100	0.00	0.0	6.090	0.000	0	0	0	0
PL.45819	PL.9753	B	4ACSR	7.22Y	120.4	0.00	5.62	0.00	0	0	0	100	0.00	0.0	6.153	0.063	0	0	0	0
4562064	PL.45819	B	Consumer	7.22Y	120.4	0.00	5.62	0.00	0	0	0	100	0.00	0.0	6.153	0.000	0	0	0	0
PL.21465	PL.9749	C	4ACSR	7.41Y	123.6	0.00	2.43	0.99	1	7	1	99	0.00	0.0	5.758	0.015	0	0	0	1
PD.1057	PL.21465	C	fuse6AMP	7.41Y	123.6	0.00	2.43	0.99	17	7	1	99	0.00	0.0	5.758	0.000	0	0	0	1
PL.21466	PD.1057	C	4ACSR	7.41Y	123.6	0.00	2.44	0.99	1	7	1	99	0.00	0.0	5.841	0.083	0	0	0	1
456211	PL.21466	C	Consumer	7.41Y	123.6	0.00	2.44	0.99	0	7	1	99	0.00	0.0	5.841	0.000	7	1	1	1
PL.28543	PL.9749	B	4ACSR	7.26Y	121.1	0.00	4.94	1.44	1	10	2	98	0.00	0.0	5.763	0.020	0	0	0	2
PD.1059	PL.28543	B	fuse6AMP	7.26Y	121.1	0.00	4.94	1.44	25	10	2	98	0.00	0.0	5.763	0.000	0	0	0	2
PL.28544	PD.1059	B	4ACSR	7.26Y	121.1	0.00	4.95	1.44	1	10	2	98	0.00	0.0	5.830	0.066	0	0	0	2
456249	PL.28544	B	Consumer	7.26Y	121.1	0.00	4.95	1.33	0	10	2	98	0.00	0.0	5.830	0.000	10	2	1	1
456257	PL.28544	B	Consumer	7.26Y	121.1	0.00	4.95	0.11	0	1	0	100	0.00	0.0	5.830	0.000	1	0	1	1
PL.21604	PL.16885	C	4ACSR	7.41Y	123.5	0.00	2.46	1.72	1	13	2	99	0.00	0.0	5.631	0.010	0	0	0	1
PD.1064	PL.21604	C	fuse6AMP	7.41Y	123.5	0.00	2.46	1.72	29	13	2	99	0.00	0.0	5.631	0.000	0	0	0	1
PL.21605	PD.1064	C	4ACSR	7.41Y	123.5	0.00	2.47	1.72	1	13	2	99	0.00	0.0	5.652	0.021	0	0	0	1
456362	PL.21605	C	Consumer	7.41Y	123.5	0.00	2.47	1.72	0	13	2	99	0.00	0.0	5.652	0.000	13	2	1	1
457302	PL.7037	B	Consumer	7.36Y	122.6	0.00	3.42	0.00	0	0	0	100	0.00	0.0	5.120	0.000	0	0	0	0
457303	PL.7037	C	Consumer	7.41Y	123.4	0.00	2.58	3.47	0	25	4	99	0.00	0.0	5.120	0.000	25	4	1	1
PL.20617	OH48	A	6ACWC	7.34Y	122.3	0.01	3.66	36.63	19	265	46	99	0.14	0.0	5.095	0.013	0	0	0	55
		B		7.36Y	122.7	0.01	3.33	20.70	11	149	34	97					0	0	0	21
		C		7.40Y	123.4	0.03	2.61	53.35	28	388	74	98					0	0	0	60
PL.27917	PL.20617	A	6ACWC	7.34Y	122.3	0.01	3.68	36.63	19	265	46	99	0.13	0.0	5.107	0.012	0	0	0	55
		B		7.36Y	122.7	0.01	3.34	20.70	11	149	34	97					0	0	0	21
		C		7.40Y	123.4	0.03	2.64	53.35	28	388	74	98					0	0	0	60
PD.411-A	PL.27917	A	Closed	7.34Y	122.3	0.00	3.68	36.63	0	265	46	99	0.00	0.0	5.107	0.000	0	0	0	55
		B		7.36Y	122.7	0.00	3.34	20.70	0	149	34	97					0	0	0	21
		C		7.40Y	123.4	0.00	2.64	53.35	0	388	74	98					0	0	0	60

Unbalanced Voltage Drop Report
Source: FRENCHBURG

Database: G:\3884\70024\WORK PRODUCTS\WINDMIL MODELS\WINTER\EXISTING JAN05 CWP.WM\
Title:
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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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.411-B	PD.411-A	A	Closed	7.34Y	122.3	0.00	3.68	36.63	0	265	46	99	0.00	0.0	5.107	0.000	0	0	0	55
		B		7.36Y	122.7	0.00	3.34	20.70	0	149	34	97					0	0	0	21
		C		7.40Y	123.4	0.00	2.64	53.35	0	388	74	98					0	0	0	60
PL.40890	PD.411-B	A	6ACWC	7.34Y	122.3	0.04	3.72	36.63	19	265	46	99	0.39	0.0	5.144	0.037	0	0	0	55
		B		7.36Y	122.6	0.03	3.37	20.70	11	149	34	97					0	0	0	21
		C		7.40Y	123.3	0.09	2.73	53.35	28	388	74	98					0	0	0	60
PD.7277	PL.40890	A	50L	7.34Y	122.3	0.00	3.72	36.63	73	265	45	99	0.00	0.0	5.144	0.000	0	0	0	55
		B		7.36Y	122.6	0.00	3.37	20.70	41	148	34	97					0	0	0	21
C		C		7.40Y	123.3	0.00	2.73	53.35	107	388	73	98					0	0	0	60 C
PL.40891	PD.7277	A	6ACWC	7.33Y	122.2	0.07	3.79	36.63	19	265	45	99	0.70	0.1	5.212	0.067	0	0	0	55
		B		7.35Y	122.6	0.06	3.43	20.70	11	148	34	97					0	0	0	21
		C		7.39Y	123.1	0.16	2.89	53.35	28	388	73	98					0	0	0	60
PL.19367	PL.40891	A	6ACWC	7.33Y	122.2	0.05	3.84	36.63	19	265	45	99	0.47	0.1	5.257	0.046	0	0	0	55
		B		7.35Y	122.5	0.04	3.46	20.70	11	148	34	97					0	0	0	21
		C		7.38Y	123.0	0.11	3.00	53.35	28	387	73	98					0	0	0	60
456305	PL.19367	C	Consumer	7.38Y	123.0	0.00	3.00	1.65	0	12	2	99	0.00	0.0	5.257	0.000	12	2	1	1
456350	PL.19367	C	Consumer	7.38Y	123.0	0.00	3.00	0.00	0	0	0	100	0.00	0.0	5.257	0.000	0	0	1	1
PL.19368	PL.19367	A	6ACWC	7.33Y	122.1	0.04	3.88	36.63	19	265	45	99	0.35	0.0	5.292	0.035	0	0	0	55
		B		7.35Y	122.5	0.03	3.49	20.70	11	148	34	97					0	0	0	21
		C		7.38Y	122.9	0.08	3.08	51.70	27	375	71	98					0	0	0	58
PL.43355	PL.19368	A	6ACWC	7.33Y	122.1	0.01	3.89	36.63	19	265	45	99	0.09	0.0	5.302	0.009	0	0	0	55
		B		7.35Y	122.5	0.01	3.50	20.70	11	148	34	97					0	0	0	21
		C		7.37Y	122.9	0.02	3.10	51.70	27	375	71	98					0	0	0	58
PL.44218	PL.43355	A	2ACSR	7.33Y	122.1	0.00	3.89	0.01	0	0	0	100	0.00	0.0	5.376	0.074	0	0	0	1
456365	PL.44218	A	Consumer	7.33Y	122.1	0.00	3.89	0.01	0	0	0	100	0.00	0.0	5.376	0.000	0	0	1	1
4563068	PL.44218	A	Consumer	7.33Y	122.1	0.00	3.89	0.00	0	0	0	100	0.00	0.0	5.376	0.000	0	0	0	0
PL.43356	PL.43355	A	6ACWC	7.32Y	121.9	0.18	4.07	36.62	19	264	45	99	1.57	0.2	5.461	0.159	0	0	0	54
		B		7.34Y	122.4	0.13	3.63	20.70	11	148	34	97					0	0	0	21
		C		7.35Y	122.5	0.36	3.46	51.23	27	371	70	98					0	0	0	56
PL.41018	PL.43356	C	4ACSR	7.35Y	122.5	0.00	3.46	4.81	2	35	6	99	0.00	0.0	5.472	0.011	0	0	0	4
C PD.7323	PL.41018	C	fuse6AMP	7.35Y	122.5	0.00	3.46	4.81	82	35	6	99	0.00	0.0	5.472	0.000	0	0	0	4 C
PL.41019	PD.7323	C	4ACSR	7.35Y	122.5	0.01	3.47	4.81	2	35	6	99	0.00	0.0	5.540	0.068	0	0	0	4
PL.22522	PL.41019	C	4ACSR	7.35Y	122.5	0.01	3.49	3.05	2	22	4	98	0.00	0.0	5.631	0.091	0	0	0	3
PL.22523	PL.22522	C	4ACSR	7.35Y	122.5	0.00	3.49	0.92	0	7	1	99	0.00	0.0	5.699	0.068	0	0	0	1
456332	PL.22523	C	Consumer	7.35Y	122.5	0.00	3.49	0.92	0	7	1	99	0.00	0.0	5.699	0.000	7	1	1	1
456330	PL.22522	C	Consumer	7.35Y	122.5	0.00	3.49	0.99	0	7	1	99	0.00	0.0	5.631	0.000	7	1	1	1
456329	PL.22522	C	Consumer	7.35Y	122.5	0.00	3.49	1.14	0	8	1	99	0.00	0.0	5.631	0.000	8	1	1	1
456353	PL.41019	C	Consumer	7.35Y	122.5	0.00	3.47	1.76	0	13	2	99	0.00	0.0	5.540	0.000	13	2	1	1
PL.9467	PL.43356	A	6ACWC	7.31Y	121.9	0.05	4.12	36.62	19	264	45	99	0.33	0.0	5.500	0.039	0	0	0	54
		B		7.34Y	122.3	0.03	3.66	20.70	11	148	34	97					0	0	0	21
		C		7.35Y	122.5	0.08	3.53	45.62	24	329	63	98					0	0	0	51
456342	PL.9467	A	Consumer	7.31Y	121.9	0.00	4.12	1.95	0	14	2	99	0.00	0.0	5.500	0.000	14	2	1	1
456352	PL.9467	A	Consumer	7.31Y	121.9	0.00	4.12	0.25	0	2	0	100	0.00	0.0	5.500	0.000	2	0	1	1
PL.9465	PL.9467	A	6ACWC	7.31Y	121.8	0.04	4.16	34.42	18	248	42	99	0.28	0.0	5.537	0.037	0	0	0	52
		B		7.34Y	122.3	0.03	3.69	20.70	11	148	34	97					0	0	0	21
		C		7.34Y	122.4	0.07	3.60	42.05	22	303	59	98					0	0	0	48
PL.9831	PL.9465	A	6ACWC	7.31Y	121.8	0.00	4.16	34.42	18	248	42	99	0.00	0.0	5.537	0.000	0	0	0	52
		B		7.34Y	122.3	0.00	3.69	20.70	11	148	34	97					0	0	0	21
		C		7.34Y	122.4	0.00	3.60	42.05	22	303	59	98					0	0	0	48

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.41024	PL.9831	C	4ACSR	7.34Y	122.4	0.00	3.60	0.79	0	6	1	99	0.00	0.0	5.546	0.009	0	0	0	2
PD.7326	PL.41024	C	fuse6AMP	7.34Y	122.4	0.00	3.60	0.79	14	6	1	99	0.00	0.0	5.546	0.000	0	0	0	2
PL.41025	PD.7326	C	4ACSR	7.34Y	122.4	0.00	3.61	0.79	0	6	1	99	0.00	0.0	5.608	0.062	0	0	0	2
456367	PL.41025	C	Consumer	7.34Y	122.4	0.00	3.61	0.00	0	0	0	100	0.00	0.0	5.608	0.000	0	0	1	1
456341	PL.41025	C	Consumer	7.34Y	122.4	0.00	3.61	0.79	0	6	1	99	0.00	0.0	5.608	0.000	6	1	1	1
PL.41022	PL.9831	B	4ACSR	7.34Y	122.3	0.00	3.69	2.62	1	19	3	99	0.00	0.0	5.544	0.006	0	0	0	1
PD.7325	PL.41022	B	fuse6AMP	7.34Y	122.3	0.00	3.69	2.62	45	19	3	99	0.00	0.0	5.544	0.000	0	0	0	1
PL.41023	PD.7325	B	4ACSR	7.34Y	122.3	0.00	3.69	2.62	1	19	3	99	0.00	0.0	5.580	0.036	0	0	0	1
456333	PL.41023	B	Consumer	7.34Y	122.3	0.00	3.69	2.62	0	19	3	99	0.00	0.0	5.580	0.000	19	3	1	1
PL.9464	PL.9831	A	6ACWC	7.30Y	121.7	0.12	4.28	34.42	18	248	42	99	0.75	0.1	5.642	0.104	0	0	0	52
		B		7.33Y	122.2	0.07	3.76	18.09	9	129	31	97					0	0	0	20
		C		7.33Y	122.2	0.19	3.79	41.26	21	297	58	98					0	0	0	46
PL.9829	PL.9464	A	6ACWC	7.30Y	121.7	0.06	4.34	34.42	18	248	42	99	0.39	0.1	5.696	0.054	0	0	0	52
		B		7.33Y	122.2	0.04	3.80	18.09	9	129	31	97					0	0	0	20
		C		7.33Y	122.1	0.10	3.89	41.26	21	297	58	98					0	0	0	46
456336	PL.9829	A	Consumer	7.30Y	121.7	0.00	4.34	0.27	0	2	0	100	0.00	0.0	5.696	0.000	2	0	1	1
456311	PL.9829	A	Consumer	7.30Y	121.7	0.00	4.34	0.17	0	1	0	100	0.00	0.0	5.696	0.000	1	0	1	1
456348	PL.9829	A	Consumer	7.30Y	121.7	0.00	4.34	0.02	0	0	0	100	0.00	0.0	5.696	0.000	0	0	1	1
PL.41026	PL.9829	A	4ACSR	7.30Y	121.7	0.00	4.34	0.06	0	0	0	100	0.00	0.0	5.703	0.007	0	0	0	1
PD.7327	PL.41026	A	fuse6AMP	7.30Y	121.7	0.00	4.34	0.06	1	0	0	100	0.00	0.0	5.703	0.000	0	0	0	1
PL.41027	PD.7327	A	4ACSR	7.30Y	121.7	0.00	4.34	0.06	0	0	0	100	0.00	0.0	5.780	0.076	0	0	0	1
PL.28656	PL.41027	A	4ACSR	7.30Y	121.7	0.00	4.34	0.06	0	0	0	100	0.00	0.0	5.843	0.064	0	0	0	1
456361	PL.28656	A	Consumer	7.30Y	121.7	0.00	4.34	0.06	0	0	0	100	0.00	0.0	5.843	0.000	0	0	1	1
PL.9830	PL.9829	A	6ACWC	7.30Y	121.6	0.07	4.40	33.91	18	244	42	99	0.42	0.1	5.755	0.059	0	0	0	48
		B		7.33Y	122.2	0.04	3.83	18.09	9	129	31	97					0	0	0	20
		C		7.32Y	122.0	0.11	4.00	41.26	21	297	58	98					0	0	0	46
456320	PL.9830	A	Consumer	7.30Y	121.6	0.00	4.40	0.22	0	2	0	100	0.00	0.0	5.755	0.000	2	0	1	1
456366	PL.9830	A	Consumer	7.30Y	121.6	0.00	4.40	0.01	0	0	0	100	0.00	0.0	5.755	0.000	0	0	1	1
PL.9826	PL.9830	A	6ACWC	7.29Y	121.5	0.11	4.51	33.68	18	242	41	99	0.69	0.1	5.853	0.098	0	0	0	46
		B		7.33Y	122.1	0.07	3.90	18.09	9	129	31	97					0	0	0	20
		C		7.31Y	121.8	0.18	4.18	41.26	21	296	58	98					0	0	0	46
PL.41028	PL.9826	A	4ACSR	7.29Y	121.5	0.00	4.51	11.47	6	83	13	99	0.00	0.0	5.860	0.007	0	0	0	11
C PD.7328	PL.41028	A	fuse8AMP	7.29Y	121.5	0.00	4.51	11.47	157	83	13	99	0.00	0.0	5.860	0.000	0	0	0	11 C
PL.41029	PD.7328	A	4ACSR	7.29Y	121.4	0.04	4.55	11.47	6	83	13	99	0.02	0.0	5.939	0.079	0	0	0	11
PL.21619	PL.41029	A	4ACSR	7.29Y	121.4	0.01	4.57	10.02	5	72	12	99	0.01	0.0	5.970	0.031	0	0	0	9
PL.23090	PL.21619	A	4ACSR	7.29Y	121.4	0.01	4.58	7.49	4	54	9	99	0.01	0.0	6.016	0.046	0	0	0	5
PL.23088	PL.23090	A	4ACSR	7.28Y	121.4	0.02	4.60	7.49	4	54	9	99	0.01	0.0	6.075	0.059	0	0	0	5
PL.23087	PL.23088	A	4ACSR	7.28Y	121.4	0.01	4.61	5.46	3	39	6	99	0.00	0.0	6.115	0.041	0	0	0	4
456364	PL.23087	A	Consumer	7.28Y	121.4	0.00	4.61	0.06	0	0	0	100	0.00	0.0	6.115	0.000	0	0	1	1
456317	PL.23087	A	Consumer	7.28Y	121.4	0.00	4.61	0.00	0	0	0	100	0.00	0.0	6.115	0.000	0	0	0	0
456318	PL.23087	A	Consumer	7.28Y	121.4	0.00	4.61	0.55	0	4	1	97	0.00	0.0	6.115	0.000	4	1	1	1
456321	PL.23087	A	Consumer	7.28Y	121.4	0.00	4.61	3.04	0	22	4	98	0.00	0.0	6.115	0.000	22	4	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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
456349	PL.23087	A	Consumer	7.28Y	121.4	0.00	4.61	1.80	0	13	2	99	0.00	0.0	6.115	0.000	13	2	1	1
PL.22534	PL.23088	A	4ACSR	7.28Y	121.4	0.01	4.61	2.03	1	15	2	99	0.00	0.0	6.161	0.087	0	0	0	1
456355	PL.22534	A	Consumer	7.28Y	121.4	0.00	4.61	2.03	0	15	2	99	0.00	0.0	6.161	0.000	15	2	1	1
PL.7004	PL.22534	A	4ACSR	7.28Y	121.4	0.00	4.61	0.00	0	0	0	100	0.00	0.0	6.162	0.000	0	0	0	0
PL.22596	PL.21619	A	4ACSR	7.29Y	121.4	0.01	4.57	0.65	0	5	1	98	0.00	0.0	6.155	0.185	0	0	0	3
PL.22597	PL.22596	A	4ACSR	7.29Y	121.4	0.00	4.57	0.19	0	1	0	100	0.00	0.0	6.230	0.075	0	0	0	2
456356	PL.22597	A	Consumer	7.29Y	121.4	0.00	4.57	0.18	0	1	0	100	0.00	0.0	6.230	0.000	1	0	1	1
456306	PL.22597	A	Consumer	7.29Y	121.4	0.00	4.57	0.01	0	0	0	100	0.00	0.0	6.230	0.000	0	0	1	1
456338	PL.22596	A	Consumer	7.29Y	121.4	0.00	4.57	0.00	0	0	0	100	0.00	0.0	6.155	0.000	0	0	0	0
456359	PL.22596	A	Consumer	7.29Y	121.4	0.00	4.57	0.46	0	3	1	95	0.00	0.0	6.155	0.000	3	1	1	1
PL.23091	PL.21619	A	4ACSR	7.29Y	121.4	0.01	4.57	1.88	1	13	2	99	0.00	0.0	6.059	0.089	0	0	0	1
456319	PL.23091	A	Consumer	7.29Y	121.4	0.00	4.57	1.88	0	13	2	99	0.00	0.0	6.059	0.000	13	2	1	1
PL.23089	PL.41029	A	4ACSR	7.29Y	121.4	0.00	4.56	1.45	1	10	2	98	0.00	0.0	5.998	0.058	0	0	0	2
456313	PL.23089	A	Consumer	7.29Y	121.4	0.00	4.56	0.56	0	4	1	97	0.00	0.0	5.998	0.000	4	1	1	1
456326	PL.23089	A	Consumer	7.29Y	121.4	0.00	4.56	0.89	0	6	1	99	0.00	0.0	5.998	0.000	6	1	1	1
PL.9827	PL.9826	A	6ACWC	7.29Y	121.4	0.06	4.57	21.21	11	152	26	99	0.57	0.1	5.954	0.102	0	0	0	34
		B		7.32Y	122.0	0.08	3.98	18.09	9	129	31	97					0	0	0	20
		C		7.30Y	121.6	0.18	4.36	41.26	21	296	57	98					0	0	0	46
PL.9828	PL.9827	A	6ACWC	7.29Y	121.4	0.01	4.58	21.21	11	152	26	99	0.14	0.0	5.979	0.025	0	0	0	34
		B		7.32Y	122.0	0.02	4.00	18.09	9	129	31	97					0	0	0	20
		C		7.30Y	121.6	0.04	4.40	41.26	21	296	57	98					0	0	0	46
PL.9824	PL.9828	A	6ACWC	7.28Y	121.4	0.03	4.61	21.21	11	152	26	99	0.34	0.1	6.040	0.061	0	0	0	34
		B		7.32Y	121.9	0.05	4.05	18.09	9	129	31	97					0	0	0	20
		C		7.29Y	121.5	0.11	4.51	41.26	21	296	57	98					0	0	0	46
PL.41032	PL.9824	C	4ACSR	7.29Y	121.5	0.00	4.51	2.54	1	18	3	99	0.00	0.0	6.051	0.012	0	0	0	3
PD.7330	PL.41032	C	fuse6AMP	7.29Y	121.5	0.00	4.51	2.54	43	18	3	99	0.00	0.0	6.051	0.000	0	0	0	3
PL.41033	PD.7330	C	4ACSR	7.29Y	121.5	0.00	4.51	2.54	1	18	3	99	0.00	0.0	6.064	0.013	0	0	0	3
PL.23094	PL.41033	C	4ACSR	7.29Y	121.5	0.01	4.52	2.54	1	18	3	99	0.00	0.0	6.136	0.072	0	0	0	3
PL.23092	PL.23094	C	4ACSR	7.29Y	121.5	0.00	4.52	0.84	0	6	1	99	0.00	0.0	6.225	0.089	0	0	0	2
456314	PL.23092	C	Consumer	7.29Y	121.5	0.00	4.52	0.02	0	0	0	100	0.00	0.0	6.225	0.000	0	0	1	1
456328	PL.23092	C	Consumer	7.29Y	121.5	0.00	4.52	0.81	0	6	1	99	0.00	0.0	6.225	0.000	6	1	1	1
456323	PL.23094	C	Consumer	7.29Y	121.5	0.00	4.52	1.70	0	12	2	99	0.00	0.0	6.136	0.000	12	2	1	1
PL.23093	PL.23094	C	4ACSR	7.29Y	121.5	0.00	4.52	0.00	0	0	0	100	0.00	0.0	6.173	0.037	0	0	0	0
PL.41030	PL.9824	B	4ACSR	7.32Y	121.9	0.00	4.05	1.51	1	11	2	98	0.00	0.0	6.049	0.009	0	0	0	1
PD.7329	PL.41030	B	fuse6AMP	7.32Y	121.9	0.00	4.05	1.51	26	11	2	98	0.00	0.0	6.049	0.000	0	0	0	1
PL.41031	PD.7329	B	4ACSR	7.32Y	121.9	0.01	4.06	1.51	1	11	2	98	0.00	0.0	6.167	0.119	0	0	0	1
456410	PL.41031	B	Consumer	7.32Y	121.9	0.00	4.06	1.51	0	11	2	98	0.00	0.0	6.167	0.000	11	2	1	1
PL.9825	PL.9824	A	6ACWC	7.28Y	121.3	0.06	4.67	20.71	11	149	26	99	0.52	0.1	6.144	0.105	0	0	0	33
		B		7.31Y	121.9	0.08	4.13	16.59	9	118	29	97					0	0	0	19
		C		7.28Y	121.3	0.17	4.68	38.72	20	277	54	98					0	0	0	43
4564020	PL.9825	A	Consumer	7.28Y	121.3	0.00	4.67	0.00	0	0	0	100	0.00	0.0	6.144	0.000	0	0	0	0
4564017	PL.9825	A	Consumer	7.28Y	121.3	0.00	4.67	0.00	0	0	0	100	0.00	0.0	6.144	0.000	0	0	1	1

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
456408	PL.9825	A	Consumer	7.28Y	121.3	0.00	4.67	1.14	0	8	1	99	0.00	0.0	6.144	0.000	8	1	1	1
PL.7019	PL.9825	A	6ACWC	7.28Y	121.3	0.06	4.73	19.58	10	140	24	99	0.57	0.1	6.262	0.117	0	0	0	31
		B		7.31Y	121.8	0.09	4.22	16.59	9	118	29	97					0	0	0	19
		C		7.27Y	121.1	0.19	4.87	38.72	20	277	54	98					0	0	0	43
456404	PL.7019	A	Consumer	7.28Y	121.3	0.00	4.73	0.12	0	1	0	100	0.00	0.0	6.262	0.000	1	0	1	1
PL.9822	PL.7019	A	6ACWC	7.27Y	121.2	0.02	4.75	19.46	10	139	24	99	0.21	0.0	6.306	0.044	0	0	0	30
		B		7.30Y	121.7	0.03	4.25	16.59	9	118	29	97					0	0	0	19
		C		7.26Y	121.1	0.07	4.95	38.72	20	276	54	98					0	0	0	43
PL.13599	PL.9822	B	4ACSR	7.30Y	121.7	0.00	4.25	0.77	0	6	1	99	0.00	0.0	6.330	0.024	0	0	0	2
PD.1513	PL.13599	B	fuse6AMP	7.30Y	121.7	0.00	4.25	0.77	13	6	1	99	0.00	0.0	6.330	0.000	0	0	0	2
PL.13600	PD.1513	B	4ACSR	7.30Y	121.7	0.00	4.26	0.77	0	6	1	99	0.00	0.0	6.426	0.096	0	0	0	2
456411	PL.13600	B	Consumer	7.30Y	121.7	0.00	4.26	0.77	0	6	1	99	0.00	0.0	6.426	0.000	6	1	1	1
456412	PL.13600	B	Consumer	7.30Y	121.7	0.00	4.26	0.00	0	0	0	100	0.00	0.0	6.426	0.000	0	0	1	1
PL.9823	PL.9822	A	6ACWC	7.27Y	121.2	0.01	4.76	19.46	10	139	24	99	0.10	0.0	6.329	0.023	0	0	0	30
		B		7.30Y	121.7	0.02	4.27	15.82	8	112	28	97					0	0	0	17
		C		7.26Y	121.0	0.04	4.98	37.36	19	266	52	98					0	0	0	42
PL.41034	PL.9823	C	4ACSR	7.26Y	121.0	0.00	4.98	13.42	7	96	16	99	0.00	0.0	6.333	0.004	0	0	0	18
PD.7331-A	PL.41034	C	Closed	7.26Y	121.0	0.00	4.98	13.42	0	96	16	99	0.00	0.0	6.333	0.000	0	0	0	18
PD.7331-B	PD.7331-A	C	Closed	7.26Y	121.0	0.00	4.98	13.42	0	96	16	99	0.00	0.0	6.333	0.000	0	0	0	18
PL.41035	PD.7331-B	C	4ACSR	7.26Y	121.0	0.01	4.99	13.42	7	96	16	99	0.00	0.0	6.342	0.009	0	0	0	18
PD.3527	PL.41035	C	25L	7.26Y	121.0	0.00	4.99	13.42	54	96	16	99	0.00	0.0	6.342	0.000	0	0	0	18
PL.13602	PD.3527	C	4ACSR	7.26Y	120.9	0.08	5.07	13.42	7	96	16	99	0.06	0.1	6.478	0.136	0	0	0	18
PL.25481	PL.13602	C	4ACSR	7.25Y	120.9	0.02	5.08	12.20	6	87	14	99	0.01	0.0	6.508	0.030	0	0	0	16
PL.7006	PL.25481	C	4ACSR	7.25Y	120.8	0.09	5.17	12.20	6	87	14	99	0.06	0.1	6.672	0.164	0	0	0	16
455307	PL.7006	C	Consumer	7.25Y	120.8	0.00	5.17	0.97	0	7	1	99	0.00	0.0	6.672	0.000	7	1	1	1
455303	PL.7006	C	Consumer	7.25Y	120.8	0.00	5.17	0.74	0	5	1	98	0.00	0.0	6.672	0.000	5	1	1	1
PL.7016	PL.7006	C	4ACSR	7.25Y	120.8	0.01	5.18	10.49	5	75	12	99	0.01	0.0	6.698	0.027	0	0	0	14
455316	PL.7016	C	Consumer	7.25Y	120.8	0.00	5.18	0.00	0	0	0	100	0.00	0.0	6.698	0.000	0	0	1	1
PL.7017	PL.7016	C	4ACSR	7.24Y	120.7	0.11	5.29	10.49	5	75	12	99	0.06	0.1	6.933	0.234	0	0	0	13
PL.25482	PL.7017	C	4ACSR	7.24Y	120.7	0.04	5.33	9.65	5	69	11	99	0.02	0.0	7.030	0.098	0	0	0	12
PL.40866	PL.25482	C	4ACSR	7.24Y	120.7	0.00	5.33	0.22	0	2	0	100	0.00	0.0	7.036	0.006	0	0	0	1
PD.7265	PL.40866	C	fuse6AMP	7.24Y	120.7	0.00	5.33	0.22	4	2	0	100	0.00	0.0	7.036	0.000	0	0	0	1
PL.40867	PD.7265	C	4ACSR	7.24Y	120.7	0.00	5.33	0.22	0	2	0	100	0.00	0.0	7.112	0.076	0	0	0	1
455312	PL.40867	C	Consumer	7.24Y	120.7	0.00	5.33	0.22	0	2	0	100	0.00	0.0	7.112	0.000	2	0	1	1
PL.9818	PL.25482	C	4ACSR	7.24Y	120.6	0.07	5.40	9.44	5	67	11	99	0.04	0.1	7.196	0.166	0	0	0	11
PL.7007	PL.9818	C	4ACSR	7.24Y	120.6	0.01	5.41	8.65	4	62	10	99	0.01	0.0	7.234	0.038	0	0	0	10
PL.9819	PL.7007	C	4ACSR	7.23Y	120.6	0.03	5.44	7.65	4	55	9	99	0.01	0.0	7.319	0.086	0	0	0	9
455308	PL.9819	C	Consumer	7.23Y	120.6	0.00	5.44	1.04	0	7	1	99	0.00	0.0	7.319	0.000	7	1	1	1
PL.40870	PL.9819	C	4ACSR	7.23Y	120.5	0.03	5.47	5.08	3	36	6	99	0.01	0.0	7.463	0.144	0	0	0	6
PD.7267-A	PL.40870	C	Closed	7.23Y	120.5	0.00	5.47	5.08	0	36	6	99	0.00	0.0	7.463	0.000	0	0	0	6
PD.7267-B	PD.7267-A	C	Closed	7.23Y	120.5	0.00	5.47	5.08	0	36	6	99	0.00	0.0	7.463	0.000	0	0	0	6

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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.40871	PD.7267-B	C	4ACSR	7.23Y	120.5	0.04	5.51	5.08	3	36	6	99	0.01	0.0	7.651	0.188	0	0	0	6
PL.44644	PL.40871	C	4ACSR	7.23Y	120.5	0.00	5.52	3.31	2	24	4	99	0.00	0.0	7.667	0.016	0	0	0	3
PD.8588	PL.44644	C	fuse6AMP	7.23Y	120.5	0.00	5.52	3.31	56	24	4	99	0.00	0.0	7.667	0.000	0	0	0	3
PL.44645	PD.8588	C	4ACSR	7.23Y	120.5	0.01	5.52	3.31	2	24	4	99	0.00	0.0	7.727	0.060	0	0	0	3
PL.1838	PL.44645	C	4ACSR	7.23Y	120.5	0.01	5.53	0.77	0	5	1	98	0.00	0.0	7.927	0.199	0	0	0	1
455319	PL.1838	C	Consumer	7.23Y	120.5	0.00	5.53	0.77	0	5	1	98	0.00	0.0	7.927	0.000	5	1	1	1
455306	PL.44645	C	Consumer	7.23Y	120.5	0.00	5.52	1.53	0	11	2	98	0.00	0.0	7.727	0.000	11	2	1	1
455310	PL.44645	C	Consumer	7.23Y	120.5	0.00	5.52	1.01	0	7	1	99	0.00	0.0	7.727	0.000	7	1	1	1
PL.9821	PL.40871	C	4ACSR	7.23Y	120.5	0.00	5.51	1.78	1	13	2	99	0.00	0.0	7.666	0.015	0	0	0	3
PL.6975	PL.9821	C	4ACSR	7.23Y	120.5	0.01	5.52	1.78	1	13	2	99	0.00	0.0	7.783	0.117	0	0	0	3
454303	PL.6975	C	Consumer	7.23Y	120.5	0.00	5.52	1.16	0	8	1	99	0.00	0.0	7.783	0.000	8	1	1	1
PL.19621	PL.6975	C	4ACSR	7.23Y	120.5	0.00	5.52	0.61	0	4	1	97	0.00	0.0	7.855	0.072	0	0	0	2
454302	PL.19621	C	Consumer	7.23Y	120.5	0.00	5.52	0.01	0	0	0	100	0.00	0.0	7.855	0.000	0	0	1	1
PL.19622	PL.19621	C	4ACSR	7.23Y	120.5	0.00	5.53	0.60	0	4	1	97	0.00	0.0	8.023	0.169	0	0	0	1
PL.13595	PL.19622	C	4ACSR	7.23Y	120.5	0.00	5.53	0.00	0	0	0	100	0.00	0.0	8.055	0.031	0	0	0	0
PD.402-A	PL.13595	C	Open	7.23Y	120.5	0.00	5.53	0.00	0	0	0	100	0.00	0.0	8.055	0.000	0	0	0	0
454301	PL.19622	C	Consumer	7.23Y	120.5	0.00	5.53	0.60	0	4	1	97	0.00	0.0	8.023	0.000	4	1	1	1
PL.2616	PL.9821	C	4ACSR	7.23Y	120.5	0.00	5.51	0.00	0	0	0	100	0.00	0.0	7.669	0.003	0	0	0	0
PL.40868	PL.9819	C	4ACSR	7.23Y	120.6	0.00	5.44	1.53	1	11	2	98	0.00	0.0	7.326	0.007	0	0	0	2
PD.7266	PL.40868	C	fuse6AMP	7.23Y	120.6	0.00	5.44	1.53	26	11	2	98	0.00	0.0	7.326	0.000	0	0	0	2
PL.40869	PD.7266	C	4ACSR	7.23Y	120.6	0.00	5.45	1.53	1	11	2	98	0.00	0.0	7.400	0.074	0	0	0	2
PL.7008	PL.40869	C	4ACSR	7.23Y	120.6	0.00	5.45	1.48	1	11	2	98	0.00	0.0	7.400	0.000	0	0	0	1
PL.7009	PL.7008	C	4ACSR	7.23Y	120.6	0.00	5.45	1.48	1	11	2	98	0.00	0.0	7.466	0.066	0	0	0	1
455320	PL.7009	C	Consumer	7.23Y	120.6	0.00	5.45	1.48	0	11	2	98	0.00	0.0	7.466	0.000	11	2	1	1
455317	PL.40869	C	Consumer	7.23Y	120.6	0.00	5.45	0.05	0	0	0	100	0.00	0.0	7.400	0.000	0	0	1	1
455318	PL.7007	C	Consumer	7.24Y	120.6	0.00	5.41	1.00	0	7	1	99	0.00	0.0	7.234	0.000	7	1	1	1
455313	PL.9818	C	Consumer	7.24Y	120.6	0.00	5.40	0.79	0	6	1	99	0.00	0.0	7.196	0.000	6	1	1	1
455309	PL.7017	C	Consumer	7.24Y	120.7	0.00	5.29	0.84	0	6	1	99	0.00	0.0	6.933	0.000	6	1	1	1
PL.40864	PL.13602	C	4ACSR	7.26Y	120.9	0.00	5.07	1.22	1	9	1	99	0.00	0.0	6.488	0.009	0	0	0	2
PD.7264	PL.40864	C	fuse6AMP	7.26Y	120.9	0.00	5.07	1.22	21	9	1	99	0.00	0.0	6.488	0.000	0	0	0	2
PL.40865	PD.7264	C	4ACSR	7.26Y	120.9	0.01	5.08	1.22	1	9	1	99	0.00	0.0	6.657	0.170	0	0	0	2
455428	PL.40865	C	Consumer	7.26Y	120.9	0.00	5.08	0.06	0	0	0	100	0.00	0.0	6.657	0.000	0	0	1	1
455419	PL.40865	C	Consumer	7.26Y	120.9	0.00	5.08	1.16	0	8	1	99	0.00	0.0	6.657	0.000	8	1	1	1
PL.7020	PL.9823	A	6ACWC	7.27Y	121.1	0.15	4.91	19.46	10	139	24	99	0.61	0.1	6.559	0.230	0	0	0	30
		B		7.30Y	121.6	0.14	4.41	15.82	8	112	28	97					0	0	0	17
		C		7.25Y	120.8	0.23	5.21	23.95	12	170	36	98					0	0	0	24
PL.25476	PL.7020	A	6ACWC	7.26Y	121.1	0.03	4.95	19.40	10	139	24	99	0.12	0.0	6.606	0.047	0	0	0	29
		B		7.29Y	121.6	0.03	4.44	15.82	8	112	28	97					0	0	0	17
		C		7.24Y	120.7	0.05	5.26	23.95	12	170	36	98					0	0	0	24
PL.1840	PL.25476	B	4ACSR	7.29Y	121.5	0.01	4.45	1.95	1	13	6	91	0.00	0.0	6.713	0.108	0	0	0	1

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Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
455430	PL.1840	B	Consumer	7.29Y	121.5	0.00	4.45	1.95	0	13	6	91	0.00	0.0	6.713	0.000	13	6	1	1
PL.20421	PL.25476	B	4ACSR	7.29Y	121.6	0.00	4.45	5.52	3	38	12	95	0.00	0.0	6.619	0.014	0	0	0	2
C PD.1512	PL.20421	B	fuse6AMP	7.29Y	121.6	0.00	4.45	5.52	94	38	12	95	0.00	0.0	6.619	0.000	0	0	0	2 C
PL.20422	PD.1512	B	4ACSR	7.28Y	121.3	0.23	4.68	5.52	3	38	12	95	0.07	0.2	7.554	0.934	0	0	0	2
PL.25478	PL.20422	B	4ACSR	7.28Y	121.3	0.02	4.70	2.75	1	18	9	89	0.00	0.0	7.724	0.170	0	0	0	1
456415	PL.25478	B	Consumer	7.28Y	121.3	0.00	4.70	2.75	0	18	9	89	0.00	0.0	7.724	0.000	18	9	1	1
PL.25479	PL.20422	B	4ACSR	7.28Y	121.3	0.01	4.69	2.83	1	20	3	99	0.00	0.0	7.621	0.067	0	0	0	1
PL.25480	PL.25479	B	4ACSR	7.28Y	121.3	0.00	4.69	2.83	1	20	3	99	0.00	0.0	7.655	0.034	0	0	0	1
456414	PL.25480	B	Consumer	7.28Y	121.3	0.00	4.69	2.83	0	20	3	99	0.00	0.0	7.655	0.000	20	3	1	1
PL.25477	PL.25476	A	6ACWC	7.26Y	121.0	0.07	5.01	19.40	10	139	24	99	0.24	0.1	6.710	0.104	0	0	0	29
		B		7.29Y	121.5	0.03	4.47	8.42	4	61	10	99					0	0	0	14
		C		7.24Y	120.6	0.11	5.37	23.95	12	170	36	98					0	0	0	24
PL.25465	PL.25477	A	6ACWC	7.26Y	120.9	0.05	5.06	19.11	10	137	24	98	0.10	0.0	6.780	0.070	0	0	0	28
		B		7.29Y	121.5	0.02	4.49	8.42	4	61	10	99					0	0	0	14
		C		7.23Y	120.6	0.04	5.42	13.27	7	93	22	97					0	0	0	15
PL.40846	PL.25465	A	4ACSR	7.26Y	120.9	0.00	5.06	9.48	5	68	11	99	0.00	0.0	6.785	0.005	0	0	0	10
PL.40847	PL.40846	A	4ACSR	7.26Y	120.9	0.00	5.07	9.48	5	68	11	99	0.00	0.0	6.788	0.003	0	0	0	10
455403	PL.40847	A	Consumer	7.26Y	120.9	0.00	5.07	0.00	0	0	0	100	0.00	0.0	6.788	0.000	0	0	0	0
PL.25464	PL.40847	A	4ACSR	7.25Y	120.9	0.02	5.09	9.48	5	68	11	99	0.01	0.0	6.842	0.054	0	0	0	10
PL.15559	PL.25464	A	4ACSR	7.25Y	120.9	0.01	5.10	8.74	5	63	10	99	0.01	0.0	6.878	0.035	0	0	0	9
PL.15560	PL.15559	A	4ACSR	7.25Y	120.9	0.00	5.10	8.74	5	63	10	99	0.00	0.0	6.884	0.006	0	0	0	9
455409	PL.15560	A	Consumer	7.25Y	120.9	0.00	5.10	0.46	0	3	1	95	0.00	0.0	6.884	0.000	3	1	1	1
PL.25467	PL.15560	A	4ACSR	7.25Y	120.9	0.04	5.14	6.35	3	45	7	99	0.01	0.0	7.019	0.136	0	0	0	7
PL.25468	PL.25467	A	4ACSR	7.25Y	120.8	0.02	5.16	4.53	2	32	5	99	0.00	0.0	7.107	0.087	0	0	0	6
PL.25469	PL.25468	A	4ACSR	7.25Y	120.8	0.04	5.20	3.18	2	23	4	99	0.01	0.0	7.377	0.271	0	0	0	4
PL.41038	PL.25469	A	4ACSR	7.25Y	120.8	0.00	5.20	1.16	1	8	1	99	0.00	0.0	7.386	0.009	0	0	0	2
PD.7333-A	PL.41038	A	Closed	7.25Y	120.8	0.00	5.20	1.16	0	8	1	99	0.00	0.0	7.386	0.000	0	0	0	2
PD.7333-B	PD.7333-A	A	Closed	7.25Y	120.8	0.00	5.20	1.16	0	8	1	99	0.00	0.0	7.386	0.000	0	0	0	2
PL.41039	PD.7333-B	A	4ACSR	7.25Y	120.8	0.00	5.20	1.16	1	8	1	99	0.00	0.0	7.418	0.032	0	0	0	2
PL.25471	PL.41039	A	4ACSR	7.25Y	120.8	0.00	5.20	1.16	1	8	1	99	0.00	0.0	7.476	0.058	0	0	0	2
PL.127	PL.25471	A	4ACSR	7.25Y	120.8	0.00	5.20	1.16	1	8	1	99	0.00	0.0	7.486	0.011	0	0	0	2
PL.25474	PL.127	A	4ACSR	7.25Y	120.8	0.01	5.21	1.16	1	8	1	99	0.00	0.0	7.673	0.187	0	0	0	2
PL.25475	PL.25474	A	4ACSR	7.25Y	120.8	0.00	5.21	0.42	0	3	0	100	0.00	0.0	7.709	0.035	0	0	0	1
PL.2622	PL.25475	A	4ACSR	7.25Y	120.8	0.00	5.21	0.00	0	0	0	100	0.00	0.0	7.824	0.115	0	0	0	0
PL.2621	PL.2622	A	4ACSR	7.25Y	120.8	0.00	5.21	0.00	0	0	0	100	0.00	0.0	7.908	0.084	0	0	0	0
PL.25473	PL.25475	A	4ACSR	7.25Y	120.8	0.01	5.22	0.42	0	3	0	100	0.00	0.0	8.011	0.302	0	0	0	1
PL.25472	PL.25473	A	4ACSR	7.25Y	120.8	0.00	5.22	0.42	0	3	0	100	0.00	0.0	8.126	0.115	0	0	0	1
454407	PL.25472	A	Consumer	7.25Y	120.8	0.00	5.22	0.42	0	3	0	100	0.00	0.0	8.126	0.000	3	0	1	1
454411	PL.25473	A	Consumer	7.25Y	120.8	0.00	5.22	0.00	0	0	0	100	0.00	0.0	8.011	0.000	0	0	0	0
PL.40852	PL.25474	A	4ACSR	7.25Y	120.8	0.00	5.21	0.73	0	5	1	98	0.00	0.0	7.682	0.008	0	0	0	1

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.7581	PL.40852	A	fuse6AMP	7.25Y	120.8	0.00	5.21	0.73	13	5	1	98	0.00	0.0	7.682	0.000	0	0	0	1
PL.40853	PD.7581	A	4ACSR	7.25Y	120.8	0.00	5.21	0.73	0	5	1	98	0.00	0.0	7.826	0.144	0	0	0	1
454430	PL.40853	A	Consumer	7.25Y	120.8	0.00	5.21	0.73	0	5	1	98	0.00	0.0	7.826	0.000	5	1	1	1
PL.2650	PL.25469	A	4ACSR	7.25Y	120.8	0.00	5.20	0.95	0	7	1	99	0.00	0.0	7.448	0.071	0	0	0	1
455466	PL.2650	A	Consumer	7.25Y	120.8	0.00	5.20	0.95	0	7	1	99	0.00	0.0	7.448	0.000	7	1	1	1
455401	PL.25469	A	Consumer	7.25Y	120.8	0.00	5.20	1.07	0	8	1	99	0.00	0.0	7.377	0.000	8	1	1	1
PL.40850	PL.25468	A	4ACSR	7.25Y	120.8	0.00	5.16	1.34	1	10	2	98	0.00	0.0	7.113	0.006	0	0	0	2
PD.7580	PL.40850	A	fuse6AMP	7.25Y	120.8	0.00	5.16	1.34	23	10	2	98	0.00	0.0	7.113	0.000	0	0	0	2
PL.40851	PD.7580	A	4ACSR	7.25Y	120.8	0.00	5.16	1.34	1	10	2	98	0.00	0.0	7.172	0.059	0	0	0	2
PL.2651	PL.40851	A	4ACSR	7.25Y	120.8	0.00	5.16	1.22	1	9	1	99	0.00	0.0	7.207	0.035	0	0	0	1
455467	PL.2651	A	Consumer	7.25Y	120.8	0.00	5.16	1.22	0	9	1	99	0.00	0.0	7.207	0.000	9	1	1	1
455457	PL.40851	A	Consumer	7.25Y	120.8	0.00	5.16	0.12	0	1	0	100	0.00	0.0	7.172	0.000	1	0	1	1
455416	PL.25467	A	Consumer	7.25Y	120.9	0.00	5.14	1.83	0	13	2	99	0.00	0.0	7.019	0.000	13	2	1	1
PL.40848	PL.15560	A	4ACSR	7.25Y	120.9	0.00	5.10	1.93	1	14	2	99	0.00	0.0	6.890	0.006	0	0	0	1
PD.1511	PL.40848	A	fuse6AMP	7.25Y	120.9	0.00	5.10	1.93	33	14	2	99	0.00	0.0	6.890	0.000	0	0	0	1
PL.40849	PD.1511	A	4ACSR	7.25Y	120.9	0.02	5.12	1.93	1	14	2	99	0.00	0.0	7.078	0.188	0	0	0	1
PL.23522	PL.40849	A	4ACSR	7.25Y	120.9	0.01	5.13	1.93	1	14	2	99	0.00	0.0	7.207	0.129	0	0	0	1
455413	PL.23522	A	Consumer	7.25Y	120.9	0.00	5.13	1.93	0	14	2	99	0.00	0.0	7.207	0.000	14	2	1	1
455422	PL.40849	A	Consumer	7.25Y	120.9	0.00	5.12	0.00	0	0	0	100	0.00	0.0	7.078	0.000	0	0	0	0
PL.23521	PL.25464	A	4ACSR	7.25Y	120.9	0.00	5.09	0.74	0	5	1	98	0.00	0.0	6.892	0.050	0	0	0	1
455415	PL.23521	A	Consumer	7.25Y	120.9	0.00	5.09	0.74	0	5	1	98	0.00	0.0	6.892	0.000	5	1	1	1
PL.20419	PL.25465	A	4ACSR	7.26Y	120.9	0.00	5.06	9.63	5	69	12	99	0.00	0.0	6.787	0.007	0	0	0	18
		B		7.29Y	121.5	0.00	4.49	8.42	4	61	10	99					0	0	0	14
		C		7.23Y	120.6	0.00	5.42	13.27	7	93	22	97					0	0	0	15
PL.20420	PL.20419	A	4ACSR	7.25Y	120.9	0.03	5.09	9.63	5	69	12	99	0.06	0.0	6.866	0.080	0	0	0	18
		B		7.29Y	121.5	0.03	4.52	8.42	4	61	10	99					0	0	0	14
		C		7.23Y	120.5	0.04	5.46	13.27	7	93	22	97					0	0	0	15
PL.40886	PL.20420	A	4ACSR	7.25Y	120.9	0.01	5.10	9.63	5	69	12	99	0.02	0.0	6.896	0.030	0	0	0	18
		B		7.29Y	121.5	0.01	4.52	6.53	3	47	8	99					0	0	0	10
		C		7.23Y	120.5	0.02	5.48	13.27	7	93	22	97					0	0	0	15
PD.7275-A	PL.40886	A	Closed	7.25Y	120.9	0.00	5.10	9.63	0	69	12	99	0.00	0.0	6.896	0.000	0	0	0	18
		B		7.29Y	121.5	0.00	4.52	6.53	0	47	8	99					0	0	0	10
		C		7.23Y	120.5	0.00	5.48	13.27	0	93	22	97					0	0	0	15
PD.7275-B	PD.7275-A	A	Closed	7.25Y	120.9	0.00	5.10	9.63	0	69	12	99	0.00	0.0	6.896	0.000	0	0	0	18
		B		7.29Y	121.5	0.00	4.52	6.53	0	47	8	99					0	0	0	10
		C		7.23Y	120.5	0.00	5.48	13.27	0	93	22	97					0	0	0	15
PL.40887	PD.7275-B	A	4ACSR	7.25Y	120.9	0.01	5.11	9.63	5	69	12	99	0.02	0.0	6.929	0.033	0	0	0	18
		B		7.29Y	121.5	0.01	4.53	6.53	3	47	8	99					0	0	0	10
		C		7.23Y	120.5	0.02	5.50	13.27	7	93	22	97					0	0	0	15
PL.25405	PL.40887	A	4ACSR	7.25Y	120.9	0.03	5.14	9.63	5	69	12	99	0.06	0.0	7.031	0.102	0	0	0	18
		B		7.29Y	121.4	0.02	4.55	6.53	3	47	8	99					0	0	0	10
		C		7.23Y	120.4	0.05	5.55	11.61	6	81	20	97					0	0	0	14
PL.40829	PL.25405	B	4ACSR	7.29Y	121.4	0.00	4.55	0.91	0	7	1	99	0.00	0.0	7.037	0.006	0	0	0	2
PD.7573	PL.40829	B	fuse6AMP	7.29Y	121.4	0.00	4.55	0.91	16	7	1	99	0.00	0.0	7.037	0.000	0	0	0	2
PL.40830	PD.7573	B	4ACSR	7.29Y	121.4	0.00	4.56	0.91	0	7	1	99	0.00	0.0	7.140	0.103	0	0	0	2

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Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.2649	PL.40830	B	4ACSR	7.29Y	121.4	0.00	4.56	0.55	0	4	1	97	0.00	0.0	7.191	0.051	0	0	0	1
455465	PL.2649	B	Consumer	7.29Y	121.4	0.00	4.56	0.55	0	4	1	97	0.00	0.0	7.191	0.000	4	1	1	1
PL.25403	PL.40830	B	4ACSR	7.29Y	121.4	0.00	4.56	0.36	0	3	0	100	0.00	0.0	7.179	0.040	0	0	0	1
455455	PL.25403	B	Consumer	7.29Y	121.4	0.00	4.56	0.36	0	3	0	100	0.00	0.0	7.179	0.000	3	0	1	1
PL.25401	PL.25405	A	4ACSR	7.25Y	120.8	0.09	5.24	9.63	5	69	12	99	0.16	0.1	7.319	0.288	0	0	0	18
		B		7.28Y	121.4	0.05	4.61	5.62	3	40	7	99					0	0	0	8
		C		7.22Y	120.3	0.15	5.70	11.61	6	81	20	97					0	0	0	14
PL.25400	PL.25401	A	4ACSR	7.24Y	120.7	0.03	5.27	7.46	4	53	10	98	0.07	0.0	7.454	0.135	0	0	0	15
		B		7.28Y	121.4	0.03	4.64	5.62	3	40	7	99					0	0	0	8
		C		7.21Y	120.2	0.07	5.76	11.61	6	81	20	97					0	0	0	14
455407	PL.25400	B	Consumer	7.28Y	121.4	0.00	4.64	1.51	0	11	2	98	0.00	0.0	7.454	0.000	11	2	1	1
PL.18514	PL.25400	B	4ACSR	7.28Y	121.4	0.00	4.64	0.11	0	1	0	100	0.00	0.0	7.464	0.010	0	0	0	1
PD.1066	PL.18514	B	fuse6AMP	7.28Y	121.4	0.00	4.64	0.11	2	1	0	100	0.00	0.0	7.464	0.000	0	0	0	1
PL.18515	PD.1066	B	4ACSR	7.28Y	121.4	0.00	4.64	0.11	0	1	0	100	0.00	0.0	7.584	0.120	0	0	0	1
455426	PL.18515	B	Consumer	7.28Y	121.4	0.00	4.64	0.00	0	0	0	100	0.00	0.0	7.584	0.000	0	0	0	0
455462	PL.18515	B	Consumer	7.28Y	121.4	0.00	4.64	0.11	0	1	0	100	0.00	0.0	7.584	0.000	1	0	1	1
PL.25399	PL.25400	A	4ACSR	7.24Y	120.7	0.03	5.29	7.46	4	53	10	98	0.05	0.0	7.569	0.116	0	0	0	15
		B		7.28Y	121.3	0.02	4.65	4.01	2	29	5	99					0	0	0	6
		C		7.21Y	120.2	0.06	5.82	11.61	6	81	20	97					0	0	0	13
PL.40836	PL.25399	B	4ACSR	7.28Y	121.3	0.00	4.65	2.03	1	15	2	99	0.00	0.0	7.574	0.005	0	0	0	2
PD.7575	PL.40836	B	fuse6AMP	7.28Y	121.3	0.00	4.65	2.03	35	15	2	99	0.00	0.0	7.574	0.000	0	0	0	2
PL.40837	PD.7575	B	4ACSR	7.28Y	121.3	0.01	4.66	2.03	1	15	2	99	0.00	0.0	7.668	0.094	0	0	0	2
455438	PL.40837	B	Consumer	7.28Y	121.3	0.00	4.66	0.69	0	5	1	98	0.00	0.0	7.668	0.000	5	1	1	1
455468	PL.40837	B	Consumer	7.28Y	121.3	0.00	4.66	1.34	0	10	2	98	0.00	0.0	7.668	0.000	10	2	1	1
PL.25398	PL.25399	A	4ACSR	7.24Y	120.7	0.01	5.31	7.46	4	53	10	98	0.03	0.0	7.632	0.063	0	0	0	15
		B		7.28Y	121.3	0.00	4.66	1.51	1	11	2	99					0	0	0	2
		C		7.21Y	120.1	0.03	5.85	11.61	6	81	20	97					0	0	0	13
PL.18715	PL.25398	A	4ACSR	7.24Y	120.7	0.00	5.31	7.46	4	53	10	98	0.00	0.0	7.645	0.013	0	0	0	15
		B		7.28Y	121.3	0.00	4.66	1.51	1	11	2	99					0	0	0	2
		C		7.21Y	120.1	0.00	5.86	5.16	3	35	13	94					0	0	0	6
455439	PL.18715	C	Consumer	7.21Y	120.1	0.00	5.86	1.19	0	8	1	99	0.00	0.0	7.645	0.000	8	1	1	1
455434	PL.18715	C	Consumer	7.21Y	120.1	0.00	5.86	0.10	0	1	0	100	0.00	0.0	7.645	0.000	1	0	1	1
PL.27862	PL.18715	A	4ACSR	7.24Y	120.7	0.01	5.32	7.46	4	53	10	98	0.00	0.0	7.670	0.024	0	0	0	15
		B		7.28Y	121.3	-0.00	4.66	1.51	1	11	2	99					0	0	0	2
		C		7.21Y	120.1	0.00	5.86	3.90	2	26	11	92					0	0	0	4
PL.40840	PL.27862	A	4ACSR	7.24Y	120.7	0.00	5.32	2.33	1	17	3	98	0.00	0.0	7.673	0.004	0	0	0	1
PD.7577	PL.40840	A	fuse6AMP	7.24Y	120.7	0.00	5.32	2.33	40	17	3	98	0.00	0.0	7.673	0.000	0	0	0	1
PL.40841	PD.7577	A	4ACSR	7.24Y	120.7	0.01	5.33	2.33	1	17	3	98	0.00	0.0	7.760	0.087	0	0	0	1
PL.23523	PL.40841	A	4ACSR	7.24Y	120.7	0.01	5.33	2.33	1	17	3	98	0.00	0.0	7.828	0.068	0	0	0	1
PL.23524	PL.23523	A	4ACSR	7.24Y	120.7	0.00	5.33	2.33	1	17	3	98	0.00	0.0	7.848	0.020	0	0	0	1
455411	PL.23524	A	Consumer	7.24Y	120.7	0.00	5.33	2.33	0	17	3	98	0.00	0.0	7.848	0.000	17	3	1	1
4554070	455411	A	Consumer	7.24Y	120.7	0.00	5.33	0.00	0	0	0	100	0.00	0.0	7.848	0.000	0	0	0	0
PL.25397	PL.27862	A	4ACSR	7.24Y	120.7	0.01	5.33	5.13	3	36	7	98	0.01	0.0	7.748	0.078	0	0	0	14
		B		7.28Y	121.3	0.00	4.66	1.51	1	11	2	99					0	0	0	2
		C		7.21Y	120.1	0.01	5.88	3.80	2	25	11	92					0	0	0	3

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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
455449	PL.25397	A	Consumer	7.24Y	120.7	0.00	5.33	0.05	0	0	0	100	0.00	0.0	7.748	0.000	0	0	1	1
455447	PL.25397	A	Consumer	7.24Y	120.7	0.00	5.33	0.17	0	1	0	100	0.00	0.0	7.748	0.000	1	0	1	1
PL.25396	PL.25397	A	4ACSR	7.24Y	120.7	0.01	5.34	4.91	3	35	7	98	0.00	0.0	7.791	0.043	0	0	0	12
		B		7.28Y	121.3	0.00	4.66	1.51	1	11	2	99					0	0	0	2
		C		7.21Y	120.1	0.01	5.88	3.80	2	25	11	92					0	0	0	3
PL.166	PL.25396	A	4ACSR	7.24Y	120.6	0.02	5.36	4.91	3	35	7	98	0.01	0.0	7.884	0.094	0	0	0	12
		B		7.28Y	121.3	0.00	4.66	1.51	1	11	2	99					0	0	0	2
		C		7.21Y	120.1	0.02	5.90	3.80	2	25	11	92					0	0	0	3
454405	PL.166	A	Consumer	7.24Y	120.6	0.00	5.36	0.38	0	3	0	100	0.00	0.0	7.884	0.000	3	0	1	1
PL.25505	PL.166	A	4ACSR	7.24Y	120.6	0.03	5.38	4.52	2	32	6	98	0.01	0.0	8.041	0.156	0	0	0	11
		B		7.28Y	121.3	0.00	4.66	1.51	1	11	2	99					0	0	0	2
		C		7.20Y	120.1	0.03	5.93	3.80	2	25	11	92					0	0	0	3
PL.20599	PL.25505	A	4ACSR	7.24Y	120.6	0.01	5.40	3.98	2	28	5	98	0.01	0.0	8.145	0.104	0	0	0	10
		B		7.28Y	121.3	0.00	4.67	1.51	1	11	2	99					0	0	0	2
		C		7.20Y	120.1	0.02	5.95	3.80	2	25	11	92					0	0	0	3
454510	PL.20599	B	Consumer	7.28Y	121.3	0.00	4.67	0.07	0	0	0	100	0.00	0.0	8.145	0.000	0	0	1	1
PL.20600	PL.20599	A	4ACSR	7.24Y	120.6	0.02	5.42	3.98	2	28	5	98	0.01	0.0	8.287	0.142	0	0	0	10
		B		7.28Y	121.3	0.00	4.67	1.44	1	10	2	99					0	0	0	1
		C		7.20Y	120.0	0.03	5.97	3.80	2	25	11	92					0	0	0	3
PL.25504	PL.20600	A	4ACSR	7.23Y	120.6	0.02	5.44	3.98	2	28	5	98	0.00	0.0	8.396	0.109	0	0	0	10
		B		7.28Y	121.3	0.00	4.67	1.44	1	10	2	99					0	0	0	1
		C		7.20Y	120.0	0.00	5.98	0.00	0	0	0	100					0	0	0	0
PL.23076	PL.25504	B	4ACSR	7.28Y	121.3	0.00	4.67	0.00	0	0	0	100	0.00	0.0	8.516	0.120	0	0	0	0
PL.18729	PL.25504	A	4ACSR	7.23Y	120.5	0.01	5.45	2.98	2	21	3	99	0.00	0.0	8.501	0.105	0	0	0	8
		B		7.28Y	121.3	0.00	4.68	1.44	1	10	2	99					0	0	0	1
		C		7.20Y	120.0	0.00	5.98	0.00	0	0	0	100					0	0	0	0
PD.404-A	PL.18729	A	Closed	7.23Y	120.5	0.00	5.45	2.98	0	21	3	99	0.00	0.0	8.501	0.000	0	0	0	8
		B		7.28Y	121.3	0.00	4.68	1.44	0	10	2	99					0	0	0	1
		C		7.20Y	120.0	0.00	5.98	0.00	0	0	0	100					0	0	0	0
PD.404-B	PD.404-A	A	Closed	7.23Y	120.5	0.00	5.45	2.98	0	21	3	99	0.00	0.0	8.501	0.000	0	0	0	8
		B		7.28Y	121.3	0.00	4.68	1.44	0	10	2	99					0	0	0	1
		C		7.20Y	120.0	0.00	5.98	0.00	0	0	0	100					0	0	0	0
PL.18730	PD.404-B	A	4ACSR	7.23Y	120.5	0.00	5.45	2.98	2	21	3	99	0.00	0.0	8.509	0.008	0	0	0	8
		B		7.28Y	121.3	0.00	4.68	1.44	1	10	2	99					0	0	0	1
		C		7.20Y	120.0	-0.00	5.98	0.00	0	0	0	100					0	0	0	0
PL.9234	PL.18730	A	4ACSR	7.23Y	120.5	0.02	5.47	2.98	2	21	3	99	0.00	0.0	8.646	0.137	0	0	0	7
		B		7.28Y	121.3	-0.00	4.67	0.00	0	0	0	100					0	0	0	0
		C		7.20Y	120.0	0.00	5.98	0.00	0	0	0	100					0	0	0	0
PL.9235	PL.9234	A	4ACSR	7.23Y	120.5	0.01	5.48	2.98	2	21	3	99	0.00	0.0	8.725	0.079	0	0	0	6
		B		7.28Y	121.3	-0.00	4.67	0.00	0	0	0	100					0	0	0	0
		C		7.20Y	120.0	0.00	5.98	0.00	0	0	0	100					0	0	0	0
PL.9233	PL.9235	A	4ACSR	7.23Y	120.5	0.01	5.49	2.87	1	20	3	99	0.00	0.0	8.829	0.104	0	0	0	5
		B		7.28Y	121.3	-0.00	4.67	0.00	0	0	0	100					0	0	0	0
		C		7.20Y	120.0	0.00	5.98	0.00	0	0	0	100					0	0	0	0
PL.40825	PL.9233	A	4ACSR	7.23Y	120.5	0.00	5.49	1.89	1	13	2	99	0.00	0.0	8.834	0.004	0	0	0	4
PD.7571	PL.40825	A	fuse6AMP	7.23Y	120.5	0.00	5.49	1.89	32	13	2	99	0.00	0.0	8.834	0.000	0	0	0	4
PL.40826	PD.7571	A	4ACSR	7.23Y	120.5	0.01	5.50	1.89	1	13	2	99	0.00	0.0	8.976	0.142	0	0	0	4
PL.23078	PL.40826	A	4ACSR	7.23Y	120.5	0.00	5.50	0.23	0	2	0	100	0.00	0.0	9.011	0.035	0	0	0	1
454424	PL.23078	A	Consumer	7.23Y	120.5	0.00	5.50	0.23	0	2	0	100	0.00	0.0	9.011	0.000	2	0	1	1
454427	PL.40826	A	Consumer	7.23Y	120.5	0.00	5.50	0.57	0	4	1	97	0.00	0.0	8.976	0.000	4	1	1	1
PL.35664	PL.40826	A	4ACSR	7.23Y	120.5	0.00	5.51	1.08	1	8	1	99	0.00	0.0	9.017	0.041	0	0	0	2

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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.35666	PL.35664	A	4ACSR	7.23Y	120.5	0.00	5.51	1.08	1	8	1	99	0.00	0.0	9.074	0.057	0	0	0	2
4544031	PL.35666	A	Consumer	7.23Y	120.5	0.00	5.51	1.04	0	7	1	99	0.00	0.0	9.074	0.000	7	1	1	1
PL.35667	PL.35666	A	4ACSR	7.23Y	120.5	0.00	5.51	0.04	0	0	0	100	0.00	0.0	9.088	0.014	0	0	0	1
454429	PL.35667	A	Consumer	7.23Y	120.5	0.00	5.51	0.04	0	0	0	100	0.00	0.0	9.088	0.000	0	0	1	1
PL.19297	PL.9233	A	4ACSR	7.23Y	120.5	0.01	5.50	0.98	1	7	1	99	0.00	0.0	9.038	0.209	0	0	0	1
		B		7.28Y	121.3	-0.00	4.67	0.00	0	0	0	100					0	0	0	0
		C		7.20Y	120.0	0.00	5.98	0.00	0	0	0	100					0	0	0	0
PL.19298	PL.19297	A	4ACSR	7.23Y	120.5	0.00	5.50	0.00	0	0	0	100	0.00	0.0	9.044	0.006	0	0	0	0
		B		7.28Y	121.3	0.00	4.67	0.00	0	0	0	100					0	0	0	0
		C		7.20Y	120.0	0.00	5.98	0.00	0	0	0	100					0	0	0	0
PD.403-B	PL.19298	A	Open	7.23Y	120.5	0.00	5.50	0.00	0	0	0	100	0.00	0.0	9.044	0.000	0	0	0	0
		B		7.28Y	121.3	0.00	4.67	0.00	0	0	0	100					0	0	0	0
		C		7.20Y	120.0	0.00	5.98	0.00	0	0	0	100					0	0	0	0
453401	PL.19297	A	Consumer	7.23Y	120.5	0.00	5.50	0.98	0	7	1	99	0.00	0.0	9.038	0.000	7	1	1	1
4534002	PL.19297	A	Consumer	7.23Y	120.5	0.00	5.50	0.00	0	0	0	100	0.00	0.0	9.038	0.000	0	0	0	0
454425	PL.9235	A	Consumer	7.23Y	120.5	0.00	5.48	0.11	0	1	0	100	0.00	0.0	8.725	0.000	1	0	1	1
PL.40823	PL.9234	A	4ACSR	7.23Y	120.5	0.00	5.47	0.00	0	0	0	100	0.00	0.0	8.650	0.004	0	0	0	1
PD.7570	PL.40823	A	fuse6AMP	7.23Y	120.5	0.00	5.47	0.00	0	0	0	100	0.00	0.0	8.650	0.000	0	0	0	1
PL.40824	PD.7570	A	4ACSR	7.23Y	120.5	0.00	5.47	0.00	0	0	0	100	0.00	0.0	8.762	0.113	0	0	0	1
454406	PL.40824	A	Consumer	7.23Y	120.5	0.00	5.47	0.00	0	0	0	100	0.00	0.0	8.762	0.000	0	0	1	1
454408	PL.18730	A	Consumer	7.23Y	120.5	0.00	5.45	0.00	0	0	0	100	0.00	0.0	8.509	0.000	0	0	1	1
454409	PL.18730	B	Consumer	7.28Y	121.3	0.00	4.68	1.44	0	10	2	98	0.00	0.0	8.509	0.000	10	2	1	1
454502	PL.25504	A	Consumer	7.23Y	120.6	0.00	5.44	0.26	0	2	0	100	0.00	0.0	8.396	0.000	2	0	1	1
PL.40821	PL.25504	A	4ACSR	7.23Y	120.6	0.00	5.44	0.74	0	5	1	98	0.00	0.0	8.404	0.008	0	0	0	1
PD.7569	PL.40821	A	fuse6AMP	7.23Y	120.6	0.00	5.44	0.74	13	5	1	98	0.00	0.0	8.404	0.000	0	0	0	1
PL.40822	PD.7569	A	4ACSR	7.23Y	120.6	0.00	5.44	0.74	0	5	1	98	0.00	0.0	8.478	0.074	0	0	0	1
PL.22450	PL.40822	A	4ACSR	7.23Y	120.6	0.00	5.44	0.00	0	0	0	100	0.00	0.0	8.740	0.262	0	0	0	0
454412	PL.22450	A	Consumer	7.23Y	120.6	0.00	5.44	0.00	0	0	0	100	0.00	0.0	8.740	0.000	0	0	0	0
454428	PL.40822	A	Consumer	7.23Y	120.6	0.00	5.44	0.74	0	5	1	98	0.00	0.0	8.478	0.000	5	1	1	1
PL.17794	PL.20600	C	4ACSR	7.20Y	120.0	0.00	5.98	3.80	2	25	11	92	0.00	0.0	8.296	0.009	0	0	0	3
PD.1048	PL.17794	C	fuse6AMP	7.20Y	120.0	0.00	5.98	3.80	65	25	11	92	0.00	0.0	8.296	0.000	0	0	0	3
PL.17795	PD.1048	C	4ACSR	7.20Y	120.0	0.01	5.99	3.80	2	25	11	92	0.00	0.0	8.347	0.051	0	0	0	3
PL.6976	PL.17795	C	4ACSR	7.20Y	120.0	0.00	5.99	0.00	0	0	0	100	0.00	0.0	8.347	0.000	0	0	0	0
454509	PL.17795	C	Consumer	7.20Y	120.0	0.00	5.99	0.15	0	1	0	100	0.00	0.0	8.347	0.000	1	0	1	1
454507	PL.17795	C	Consumer	7.20Y	120.0	0.00	5.99	3.30	0	21	10	90	0.00	0.0	8.347	0.000	21	10	1	1
454508	PL.17795	C	Consumer	7.20Y	120.0	0.00	5.99	0.37	0	3	0	100	0.00	0.0	8.347	0.000	3	0	1	1
PL.2623	PL.25505	A	4ACSR	7.24Y	120.6	0.00	5.38	0.57	0	4	2	89	0.00	0.0	8.100	0.059	0	0	0	1
		B		7.28Y	121.3	-0.00	4.66	0.00	0	0	0	100					0	0	0	0
		C		7.20Y	120.1	0.00	5.93	0.00	0	0	0	100					0	0	0	0
454503	PL.2623	A	Consumer	7.24Y	120.6	0.00	5.38	0.57	0	4	2	89	0.00	0.0	8.100	0.000	4	2	1	1
455440	PL.27862	C	Consumer	7.21Y	120.1	0.00	5.86	0.10	0	1	0	100	0.00	0.0	7.670	0.000	1	0	1	1
PL.40838	PL.25398	C	4ACSR	7.21Y	120.1	0.00	5.86	6.50	3	46	8	99	0.00	0.0	7.637	0.004	0	0	0	7

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
C PD.7576	PL.40838	C	fuse6AMP	7.21Y	120.1	0.00	5.86	6.50	111	46	8	99	0.00	0.0	7.637	0.000	0	0	0	7 C
PL.40839	PD.7576	C	4ACSR	7.21Y	120.1	0.01	5.86	6.50	3	46	8	99	0.00	0.0	7.657	0.020	0	0	0	7
455446	PL.40839	C	Consumer	7.21Y	120.1	0.00	5.86	0.00	0	0	0	100	0.00	0.0	7.657	0.000	0	0	1	1
PL.19185	PL.40839	C	4ACSR	7.21Y	120.1	0.01	5.87	6.50	3	46	8	99	0.00	0.0	7.677	0.021	0	0	0	6
455443	PL.19185	C	Consumer	7.21Y	120.1	0.00	5.87	0.00	0	0	0	100	0.00	0.0	7.677	0.000	0	0	1	1
PL.7023	PL.19185	C	4ACSR	7.21Y	120.1	0.01	5.88	6.50	3	46	8	99	0.00	0.0	7.713	0.036	0	0	0	5
455450	PL.7023	C	Consumer	7.21Y	120.1	0.00	5.88	1.20	0	9	1	99	0.00	0.0	7.713	0.000	9	1	1	1
455444	PL.7023	C	Consumer	7.21Y	120.1	0.00	5.88	0.69	0	5	1	98	0.00	0.0	7.713	0.000	5	1	1	1
4554071	PL.7023	C	Consumer	7.21Y	120.1	0.00	5.88	0.00	0	0	0	100	0.00	0.0	7.713	0.000	0	0	0	0
455442	PL.7023	C	Consumer	7.21Y	120.1	0.00	5.88	1.46	0	10	2	98	0.00	0.0	7.713	0.000	10	2	1	1
455451	PL.7023	C	Consumer	7.21Y	120.1	0.00	5.88	1.51	0	11	2	98	0.00	0.0	7.713	0.000	11	2	1	1
455464	PL.7023	C	Consumer	7.21Y	120.1	0.00	5.88	1.64	0	12	2	99	0.00	0.0	7.713	0.000	12	2	1	1
455414	PL.25399	B	Consumer	7.28Y	121.3	0.00	4.65	0.32	0	2	0	100	0.00	0.0	7.569	0.000	2	0	1	1
455441	PL.25399	B	Consumer	7.28Y	121.3	0.00	4.65	0.15	0	1	0	100	0.00	0.0	7.569	0.000	1	0	1	1
PL.15557	PL.25400	C	4ACSR	7.21Y	120.2	0.00	5.76	0.00	0	0	0	100	0.00	0.0	7.459	0.005	0	0	0	1
PD.1509	PL.15557	C	fuse6AMP	7.21Y	120.2	0.00	5.76	0.00	0	0	0	100	0.00	0.0	7.459	0.000	0	0	0	1
PL.15558	PD.1509	C	4ACSR	7.21Y	120.2	0.00	5.76	0.00	0	0	0	100	0.00	0.0	7.530	0.071	0	0	0	1
PL.2845	PL.15558	C	4ACSR	7.21Y	120.2	0.00	5.76	0.00	0	0	0	100	0.00	0.0	7.593	0.063	0	0	0	1
455406	PL.2845	C	Consumer	7.21Y	120.2	0.00	5.76	0.00	0	0	0	100	0.00	0.0	7.593	0.000	0	0	1	1
PL.40831	PL.25401	A	4ACSR	7.25Y	120.8	0.00	5.24	2.18	1	16	3	98	0.00	0.0	7.320	0.002	0	0	0	3
PD.7574	PL.40831	A	fuse6AMP	7.25Y	120.8	0.00	5.24	2.18	37	16	3	98	0.00	0.0	7.320	0.000	0	0	0	3
PL.40834	PD.7574	A	4ACSR	7.25Y	120.8	0.00	5.24	2.18	1	16	3	98	0.00	0.0	7.324	0.004	0	0	0	3
PL.40833	PL.40834	A	4ACSR	7.25Y	120.8	0.01	5.24	1.44	1	10	2	98	0.00	0.0	7.406	0.082	0	0	0	2
PL.2842	PL.40833	A	4ACSR	7.25Y	120.8	0.00	5.24	1.44	1	10	2	98	0.00	0.0	7.448	0.042	0	0	0	2
PL.2841	PL.2842	A	4ACSR	7.25Y	120.8	0.00	5.25	1.44	1	10	2	98	0.00	0.0	7.498	0.050	0	0	0	2
455410	PL.2841	A	Consumer	7.25Y	120.8	0.00	5.25	0.00	0	0	0	100	0.00	0.0	7.498	0.000	0	0	0	0
455435	PL.2841	A	Consumer	7.25Y	120.8	0.00	5.25	0.61	0	4	1	97	0.00	0.0	7.498	0.000	4	1	1	1
455437	PL.2841	A	Consumer	7.25Y	120.8	0.00	5.25	0.83	0	6	1	99	0.00	0.0	7.498	0.000	6	1	1	1
PL.40835	PL.40834	A	4ACSR	7.25Y	120.8	0.00	5.24	0.73	0	5	1	98	0.00	0.0	7.412	0.088	0	0	0	1
PL.2840	PL.40835	A	4ACSR	7.25Y	120.8	0.01	5.25	0.73	0	5	1	98	0.00	0.0	7.612	0.199	0	0	0	1
455421	PL.2840	A	Consumer	7.25Y	120.8	0.00	5.25	0.73	0	5	1	98	0.00	0.0	7.612	0.000	5	1	1	1
PL.40827	PL.40887	C	4ACSR	7.23Y	120.5	0.00	5.50	1.66	1	12	2	99	0.00	0.0	6.934	0.005	0	0	0	1
PD.7572	PL.40827	C	fuse6AMP	7.23Y	120.5	0.00	5.50	1.66	28	12	2	99	0.00	0.0	6.934	0.000	0	0	0	1
PL.40828	PD.7572	C	4ACSR	7.23Y	120.5	0.01	5.51	1.66	1	12	2	99	0.00	0.0	7.042	0.108	0	0	0	1
455418	PL.40828	C	Consumer	7.23Y	120.5	0.00	5.51	1.66	0	12	2	99	0.00	0.0	7.042	0.000	12	2	1	1
455459	PL.20420	B	Consumer	7.29Y	121.5	0.00	4.52	0.17	0	1	0	100	0.00	0.0	6.866	0.000	1	0	1	1
455461	PL.20420	B	Consumer	7.29Y	121.5	0.00	4.52	0.76	0	5	1	98	0.00	0.0	6.866	0.000	5	1	1	1
455405	PL.20420	B	Consumer	7.29Y	121.5	0.00	4.52	0.22	0	2	0	100	0.00	0.0	6.866	0.000	2	0	1	1

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
455423	PL.20420	B	Consumer	7.29Y	121.5	0.00	4.52	0.74	0	5	1	98	0.00	0.0	6.866	0.000	5	1	1	1
PL.40844	PL.25465	A	4ACSR	7.26Y	120.9	0.00	5.06	0.00	0	0	0	100	0.00	0.0	6.783	0.003	0	0	0	0
PD.7578	PL.40844	A	fuse6AMP	7.26Y	120.9	0.00	5.06	0.00	0	0	0	100	0.00	0.0	6.783	0.000	0	0	0	0
455417	PL.25477	A	Consumer	7.26Y	121.0	0.00	5.01	0.29	0	2	0	100	0.00	0.0	6.710	0.000	2	0	1	1
PL.41036	PL.25477	C	4ACSR	7.24Y	120.6	0.00	5.38	10.69	6	76	14	98	0.00	0.0	6.716	0.006	0	0	0	9
C PD.7332	PL.41036	C	fuse6AMP	7.24Y	120.6	0.00	5.38	10.69	183	76	14	98	0.00	0.0	6.716	0.000	0	0	0	9 C
PL.41037	PD.7332	C	4ACSR	7.24Y	120.6	0.04	5.41	10.69	6	76	14	98	0.02	0.0	6.794	0.077	0	0	0	9
PL.7021	PL.41037	C	4ACSR	7.23Y	120.6	0.01	5.43	6.12	3	44	7	99	0.00	0.0	6.844	0.050	0	0	0	4
455456	PL.7021	C	Consumer	7.23Y	120.6	0.00	5.43	1.97	0	14	2	99	0.00	0.0	6.844	0.000	14	2	1	1
455436	PL.7021	C	Consumer	7.23Y	120.6	0.00	5.43	1.40	0	10	2	98	0.00	0.0	6.844	0.000	10	2	1	1
455445	PL.7021	C	Consumer	7.23Y	120.6	0.00	5.43	0.99	0	7	1	99	0.00	0.0	6.844	0.000	7	1	1	1
PL.7022	PL.7021	C	4ACSR	7.23Y	120.6	0.00	5.43	1.76	1	13	2	99	0.00	0.0	6.876	0.033	0	0	0	1
455452	PL.7022	C	Consumer	7.23Y	120.6	0.00	5.43	1.76	0	13	2	99	0.00	0.0	6.876	0.000	13	2	1	1
455448	PL.7022	C	Consumer	7.23Y	120.6	0.00	5.43	0.00	0	0	0	100	0.00	0.0	6.876	0.000	0	0	0	0
PL.19464	PL.41037	C	4ACSR	7.23Y	120.6	0.00	5.42	4.57	2	32	7	98	0.00	0.0	6.811	0.018	0	0	0	5
455425	PL.19464	C	Consumer	7.23Y	120.6	0.00	5.42	1.67	0	12	2	99	0.00	0.0	6.811	0.000	12	2	1	1
455432	PL.19464	C	Consumer	7.23Y	120.6	0.00	5.42	0.64	0	4	2	89	0.00	0.0	6.811	0.000	4	2	1	1
PL.19465	PL.19464	C	4ACSR	7.23Y	120.6	0.01	5.42	2.28	1	16	3	98	0.00	0.0	6.881	0.070	0	0	0	3
PL.2648	PL.19465	C	4ACSR	7.23Y	120.6	0.00	5.43	1.93	1	14	2	99	0.00	0.0	6.931	0.050	0	0	0	1
455463	PL.2648	C	Consumer	7.23Y	120.6	0.00	5.43	1.93	0	14	2	99	0.00	0.0	6.931	0.000	14	2	1	1
455431	PL.19465	C	Consumer	7.23Y	120.6	0.00	5.42	0.32	0	2	0	100	0.00	0.0	6.881	0.000	2	0	1	1
455454	PL.19465	C	Consumer	7.23Y	120.6	0.00	5.42	0.04	0	0	0	100	0.00	0.0	6.881	0.000	0	0	1	1
455404	PL.7020	A	Consumer	7.27Y	121.1	0.00	4.91	0.06	0	0	0	100	0.00	0.0	6.559	0.000	0	0	1	1
456401	PL.9822	A	Consumer	7.27Y	121.2	0.00	4.75	0.00	0	0	0	100	0.00	0.0	6.306	0.000	0	0	0	0
456413	PL.9822	C	Consumer	7.26Y	121.1	0.00	4.95	1.36	0	10	2	98	0.00	0.0	6.306	0.000	10	2	1	1
456406	PL.9824	A	Consumer	7.28Y	121.4	0.00	4.61	0.50	0	4	1	97	0.00	0.0	6.040	0.000	4	1	1	1
456315	PL.9826	A	Consumer	7.29Y	121.5	0.00	4.51	1.00	0	7	1	99	0.00	0.0	5.853	0.000	7	1	1	1
PL.41020	PL.9467	C	4ACSR	7.35Y	122.5	0.00	3.54	3.57	2	26	4	99	0.00	0.0	5.508	0.008	0	0	0	3
PD.7324	PL.41020	C	fuse6AMP	7.35Y	122.5	0.00	3.54	3.57	61	26	4	99	0.00	0.0	5.508	0.000	0	0	0	3
PL.41021	PD.7324	C	4ACSR	7.35Y	122.5	0.00	3.54	3.57	2	26	4	99	0.00	0.0	5.526	0.018	0	0	0	3
PL.28555	PL.41021	C	4ACSR	7.35Y	122.5	0.00	3.54	3.57	2	26	4	99	0.00	0.0	5.555	0.029	0	0	0	3
456351	PL.28555	C	Consumer	7.35Y	122.5	0.00	3.54	2.25	0	16	3	98	0.00	0.0	5.555	0.000	16	3	1	1
PL.21620	PL.28555	C	4ACSR	7.35Y	122.5	0.00	3.54	1.32	1	10	2	98	0.00	0.0	5.587	0.032	0	0	0	2
PL.21621	PL.21620	C	4ACSR	7.35Y	122.5	0.00	3.54	0.00	0	0	0	100	0.00	0.0	5.615	0.027	0	0	0	0
PL.23086	PL.21620	C	4ACSR	7.35Y	122.5	0.00	3.55	0.69	0	5	1	98	0.00	0.0	5.618	0.031	0	0	0	1
456310	PL.23086	C	Consumer	7.35Y	122.5	0.00	3.55	0.69	0	5	1	98	0.00	0.0	5.618	0.000	5	1	1	1
456335	PL.21620	C	Consumer	7.35Y	122.5	0.00	3.54	0.63	0	5	1	98	0.00	0.0	5.587	0.000	5	1	1	1
456325	PL.43356	A	Consumer	7.32Y	121.9	0.00	4.07	0.00	0	0	0	100	0.00	0.0	5.461	0.000	0	0	0	0

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
456308	PL.43356	C	Consumer	7.35Y	122.5	0.00	3.46	0.80	0	6	1	99	0.00	0.0	5.461	0.000	6	1	1	1
456343	PL.43355	C	Consumer	7.37Y	122.9	0.00	3.10	0.14	0	1	0	100	0.00	0.0	5.302	0.000	1	0	1	1
456337	PL.43355	C	Consumer	7.37Y	122.9	0.00	3.10	0.33	0	2	0	100	0.00	0.0	5.302	0.000	2	0	1	1
L PL.41730	PL.9471	C	4ACSR	6.84Y	114.1	0.00	11.95	0.92	0	6	1	99	0.00	0.0	4.383	0.005	0	0	0	3 L
L PD.7509	PL.41730	C	fuse6AMP	6.84Y	114.1	0.00	11.95	0.92	16	6	1	99	0.00	0.0	4.383	0.000	0	0	0	3 L
L PL.41731	PD.7509	C	4ACSR	6.84Y	114.0	0.00	11.95	0.92	0	6	1	99	0.00	0.0	4.488	0.105	0	0	0	3 L
L PL.9472	PL.41731	C	4ACSR	6.84Y	114.0	0.00	11.95	0.85	0	6	1	99	0.00	0.0	4.555	0.068	0	0	0	2 L
L 457315	PL.9472	C	Consumer	6.84Y	114.0	0.00	11.95	0.54	0	4	1	97	0.00	0.0	4.555	0.000	4	1	1	1 L
L 457313	PL.9472	C	Consumer	6.84Y	114.0	0.00	11.95	0.31	0	2	0	100	0.00	0.0	4.555	0.000	2	0	1	1 L
L PL.9473	PL.9472	C	4ACSR	6.84Y	114.0	0.00	11.95	0.00	0	0	0	100	0.00	0.0	4.592	0.037	0	0	0	0 L
L PL.2909	PL.9473	C	4ACSR	6.84Y	114.0	0.00	11.95	0.00	0	0	0	100	0.00	0.0	4.681	0.089	0	0	0	0 L
L 4573047	PL.41731	C	Consumer	6.84Y	114.0	0.00	11.95	0.00	0	0	0	100	0.00	0.0	4.488	0.000	0	0	0	0 L
L 457311	PL.41731	C	Consumer	6.84Y	114.0	0.00	11.95	0.07	0	0	0	100	0.00	0.0	4.488	0.000	0	0	1	1 L
L PL.20017	PL.40893	A	4ACSR	6.75Y	112.4	0.01	13.57	23.08	12	152	35	97	0.01	0.0	4.207	0.005	0	0	0	18 L
L PD.3528	PL.20017	A	35V4E	6.75Y	112.4	0.00	13.57	23.08	66	152	35	97	0.00	0.0	4.207	0.000	0	0	0	18 L
L PL.20018	PD.3528	A	4ACSR	6.74Y	112.4	0.03	13.60	23.08	12	152	35	97	0.03	0.0	4.232	0.025	0	0	0	18 L
L PL.43910	PL.20018	A	4ACSR	6.74Y	112.4	0.01	13.61	23.08	12	152	35	97	0.02	0.0	4.246	0.014	0	0	0	18 L
L 4573046	PL.43910	A	Consumer	6.74Y	112.4	0.00	13.61	0.00	0	0	0	100	0.00	0.0	4.246	0.000	0	0	0	0 L
L PL.43911	PL.43910	A	4ACSR	6.74Y	112.3	0.12	13.73	23.08	12	152	35	97	0.15	0.1	4.363	0.117	0	0	0	18 L
L PL.7043	PL.43911	A	4ACSR	6.73Y	112.2	0.05	13.78	20.54	11	135	32	97	0.05	0.0	4.415	0.052	0	0	0	17 L
L 457336	PL.7043	A	Consumer	6.73Y	112.2	0.00	13.78	2.78	0	18	3	99	0.00	0.0	4.415	0.000	18	3	1	1 L
L PL.6794	PL.7043	A	4ACSR	6.73Y	112.2	0.03	13.81	17.77	9	116	29	97	0.03	0.0	4.452	0.037	0	0	0	16 L
L PL.29008	PL.6794	A	4ACSR	6.72Y	112.0	0.15	13.96	16.65	9	109	28	97	0.14	0.1	4.657	0.205	0	0	0	15 L
L 457325	PL.29008	A	Consumer	6.72Y	112.0	0.00	13.96	0.23	0	2	0	100	0.00	0.0	4.657	0.000	2	0	1	1 L
L PL.29017	PL.29008	A	4ACSR	6.72Y	112.0	0.05	14.01	16.42	8	107	28	97	0.04	0.0	4.725	0.068	0	0	0	14 L
L PL.45134	PL.29017	A	4ACSR	6.72Y	111.9	0.05	14.07	16.42	8	107	28	97	0.05	0.0	4.800	0.075	0	0	0	14 L
L PL.45135	PL.45134	A	4ACSR	6.71Y	111.9	0.07	14.14	16.42	8	107	28	97	0.06	0.1	4.896	0.095	0	0	0	14 L
L 457323	PL.45135	A	Consumer	6.71Y	111.9	0.00	14.14	1.44	0	10	2	98	0.00	0.0	4.896	0.000	10	2	1	1 L
L PL.29006	PL.45135	A	4ACSR	6.71Y	111.8	0.04	14.17	14.99	8	97	26	97	0.03	0.0	4.953	0.057	0	0	0	13 L
L PL.40894	PL.29006	A	4ACSR	6.71Y	111.8	0.01	14.18	9.55	5	61	20	95	0.00	0.0	4.969	0.016	0	0	0	9 L
L PD.7280-A	PL.40894	A	Closed	6.71Y	111.8	0.00	14.18	9.55	0	61	20	95	0.00	0.0	4.969	0.000	0	0	0	9 L
L PD.7280-B	PD.7280-A	A	Closed	6.71Y	111.8	0.00	14.18	9.55	0	61	20	95	0.00	0.0	4.969	0.000	0	0	0	9 L
L PL.40895	PD.7280-B	A	4ACSR	6.71Y	111.8	0.04	14.22	9.55	5	61	20	95	0.02	0.0	5.061	0.092	0	0	0	9 L
L PL.29026	PL.40895	A	4ACSR	6.71Y	111.8	0.02	14.24	5.39	3	33	15	91	0.00	0.0	5.133	0.072	0	0	0	7 L
L PL.29176	PL.29026	A	4ACSR	6.71Y	111.8	0.00	14.24	0.15	0	1	0	100	0.00	0.0	5.191	0.058	0	0	0	2 L
L 4573045	PL.29176	A	Consumer	6.71Y	111.8	0.00	14.24	0.11	0	1	0	100	0.00	0.0	5.191	0.000	1	0	1	1 L
L 457340	PL.29176	A	Consumer	6.71Y	111.8	0.00	14.24	0.05	0	0	0	100	0.00	0.0	5.191	0.000	0	0	1	1 L
L PL.29027	PL.29026	A	4ACSR	6.70Y	111.7	0.02	14.26	5.24	3	32	15	91	0.01	0.0	5.216	0.083	0	0	0	5 L

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Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
L PL.29198	PL.29027	A	4ACSR	6.70Y	111.7	0.01	14.27	5.20	3	31	15	90	0.00	0.0	5.249	0.033	0	0	0	4 L
L PL.29009	PL.29198	A	4ACSR	6.70Y	111.7	0.01	14.28	3.27	2	20	10	89	0.00	0.0	5.305	0.056	0	0	0	3 L
L PL.29028	PL.29009	A	4ACSR	6.70Y	111.7	0.00	14.28	3.27	2	20	10	89	0.00	0.0	5.318	0.013	0	0	0	2 L
L PL.36568	PL.29028	A	4ACSR	6.70Y	111.7	0.00	14.28	0.00	0	0	0	100	0.00	0.0	5.375	0.057	0	0	0	1 L
L 4573044	PL.36568	A	Consumer	6.70Y	111.7	0.00	14.28	0.00	0	0	0	100	0.00	0.0	5.375	0.000	0	0	0	0 L
L PL.36569	PL.36568	A	4ACSR	6.70Y	111.7	0.00	14.28	0.00	0	0	0	100	0.00	0.0	5.417	0.042	0	0	0	1 L
L 457335	PL.36569	A	Consumer	6.70Y	111.7	0.00	14.28	0.00	0	0	0	100	0.00	0.0	5.417	0.000	0	0	1	1 L
L PL.29177	PL.29028	A	4ACSR	6.70Y	111.7	0.00	14.28	3.27	2	20	10	89	0.00	0.0	5.340	0.022	0	0	0	1 L
L 457342	PL.29177	A	Consumer	6.70Y	111.7	0.00	14.28	3.27	0	20	10	89	0.00	0.0	5.340	0.000	20	10	1	1 L
L 457341	PL.29009	A	Consumer	6.70Y	111.7	0.00	14.28	0.00	0	0	0	100	0.00	0.0	5.305	0.000	0	0	1	1 L
L 457332	PL.29198	A	Consumer	6.70Y	111.7	0.00	14.27	1.93	0	12	6	89	0.00	0.0	5.249	0.000	12	6	1	1 L
L PL.45299	PL.29027	A	2ACSR	6.70Y	111.7	0.00	14.26	0.00	0	0	0	100	0.00	0.0	5.273	0.057	0	0	0	0 L
L 4573049	PL.45299	A	Consumer	6.70Y	111.7	0.00	14.26	0.00	0	0	0	100	0.00	0.0	5.273	0.000	0	0	0	0 L
L 457338	PL.29027	A	Consumer	6.70Y	111.7	0.00	14.26	0.05	0	0	0	100	0.00	0.0	5.216	0.000	0	0	1	1 L
L 457330	PL.40895	A	Consumer	6.71Y	111.8	0.00	14.22	2.86	0	19	3	99	0.00	0.0	5.061	0.000	19	3	1	1 L
L PL.29174	PL.40895	A	4ACSR	6.71Y	111.8	0.00	14.22	1.39	1	9	2	98	0.00	0.0	5.101	0.039	0	0	0	1 L
L 457331	PL.29174	A	Consumer	6.71Y	111.8	0.00	14.22	1.39	0	9	2	98	0.00	0.0	5.101	0.000	9	2	1	1 L
L PL.29007	PL.29006	A	4ACSR	6.71Y	111.8	0.00	14.17	0.02	0	0	0	100	0.00	0.0	5.013	0.060	0	0	0	1 L
L 457333	PL.29007	A	Consumer	6.71Y	111.8	0.00	14.17	0.02	0	0	0	100	0.00	0.0	5.013	0.000	0	0	1	1 L
L PL.29175	PL.29007	A	4ACSR	6.71Y	111.8	0.00	14.17	0.00	0	0	0	100	0.00	0.0	5.079	0.067	0	0	0	0 L
L 457337	PL.29175	A	Consumer	6.71Y	111.8	0.00	14.17	0.00	0	0	0	100	0.00	0.0	5.079	0.000	0	0	0	0 L
L 457326	PL.29006	A	Consumer	6.71Y	111.8	0.00	14.17	2.07	0	14	2	99	0.00	0.0	4.953	0.000	14	2	1	1 L
L 457327	PL.29006	A	Consumer	6.71Y	111.8	0.00	14.17	1.72	0	11	2	98	0.00	0.0	4.953	0.000	11	2	1	1 L
L 457324	PL.29006	A	Consumer	6.71Y	111.8	0.00	14.17	1.67	0	11	2	98	0.00	0.0	4.953	0.000	11	2	1	1 L
L 4573048	PL.45134	A	Consumer	6.72Y	111.9	0.00	14.07	0.00	0	0	0	100	0.00	0.0	4.800	0.000	0	0	0	0 L
L 457329	PL.6794	A	Consumer	6.73Y	112.2	0.00	13.81	1.12	0	7	1	99	0.00	0.0	4.452	0.000	7	1	1	1 L
L 457328	PL.43911	A	Consumer	6.74Y	112.3	0.00	13.73	2.54	0	17	3	98	0.00	0.0	4.363	0.000	17	3	1	1 L
L PL.22110	PL.9475	A	4ACSR	6.77Y	112.9	0.10	13.14	50.36	26	336	58	99	0.29	0.1	4.032	0.048	0	0	0	56 L
L PD.3518	PL.22110	A	50L	6.77Y	112.9	0.00	13.14	50.36	101	336	58	99	0.00	0.0	4.032	0.000	0	0	0	56 L
L PL.22111	PD.3518	A	4ACSR	6.77Y	112.8	0.06	13.20	50.36	26	336	58	99	0.18	0.1	4.061	0.029	0	0	0	56 L
L PL.7042	PL.22111	A	4ACSR	6.76Y	112.7	0.12	13.32	50.36	26	336	58	99	0.34	0.1	4.117	0.056	0	0	0	56 L
L 458311	PL.7042	A	Consumer	6.76Y	112.7	0.00	13.32	0.15	0	1	0	100	0.00	0.0	4.117	0.000	1	0	1	1 L
L PL.7039	PL.7042	A	4ACSR	6.75Y	112.5	0.15	13.47	50.21	26	335	57	99	0.41	0.1	4.185	0.068	0	0	0	55 L
L PL.7030	PL.7039	A	4ACSR	6.70Y	111.7	0.81	14.28	50.21	26	334	57	99	2.24	0.7	4.557	0.372	0	0	0	55 L
L PL.40904	PL.7030	A	4ACSR	6.69Y	111.5	0.19	14.47	50.00	26	331	56	99	0.52	0.2	4.644	0.087	0	0	0	53 L
L PD.7286	PL.40904	A	25L	6.69Y	111.5	0.00	14.47	50.00	200	330	55	99	0.00	0.0	4.644	0.000	0	0	0	53 L
L PL.40905	PD.7286	A	4ACSR	6.69Y	111.5	0.01	14.48	50.00	26	330	55	99	0.04	0.0	4.650	0.006	0	0	0	53 L
L PL.23594	PL.40905	A	4ACSR	6.69Y	111.5	0.04	14.52	3.90	2	26	4	99	0.01	0.0	4.895	0.245	0	0	0	3 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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
L PL.23595	PL.23594	A	4ACSR	6.69Y	111.5	0.01	14.54	3.90	2	26	4	99	0.00	0.0	4.968	0.072	0	0	0	3 L
L PL.33213	PL.23595	A	4ACSR	6.69Y	111.5	0.01	14.55	3.86	2	25	4	99	0.00	0.0	5.024	0.057	0	0	0	2 L
L 4583060	PL.33213	A	Consumer	6.69Y	111.5	0.00	14.55	2.44	0	16	3	98	0.00	0.0	5.024	0.000	16	3	1	1 L
L 4583059	PL.33213	A	Consumer	6.69Y	111.5	0.00	14.55	1.42	0	9	2	98	0.00	0.0	5.024	0.000	9	2	1	1 L
L 458346	PL.23595	A	Consumer	6.69Y	111.5	0.00	14.54	0.04	0	0	0	100	0.00	0.0	4.968	0.000	0	0	1	1 L
L PL.7029	PL.40905	A	4ACSR	6.69Y	111.5	0.06	14.54	8.04	4	53	9	99	0.03	0.1	4.827	0.177	0	0	0	11 L
L PL.33214	PL.7029	A	4ACSR	6.69Y	111.5	0.00	14.55	0.88	0	6	1	99	0.00	0.0	4.873	0.046	0	0	0	1 L
L 4583061	PL.33214	A	Consumer	6.69Y	111.5	0.00	14.55	0.88	0	6	1	99	0.00	0.0	4.873	0.000	6	1	1	1 L
L PL.8607	PL.7029	A	4ACSR	6.69Y	111.4	0.03	14.57	5.66	3	37	6	99	0.01	0.0	4.938	0.111	0	0	0	8 L
L PL.40896	PL.8607	A	4ACSR	6.69Y	111.4	0.00	14.57	0.26	0	2	0	100	0.00	0.0	4.943	0.005	0	0	0	1 L
L PD.7281	PL.40896	A	fuse6AMP	6.69Y	111.4	0.00	14.57	0.26	5	2	0	100	0.00	0.0	4.943	0.000	0	0	0	1 L
L PL.40897	PD.7281	A	4ACSR	6.69Y	111.4	0.00	14.57	0.26	0	2	0	100	0.00	0.0	5.001	0.058	0	0	0	1 L
L 458203	PL.40897	A	Consumer	6.69Y	111.4	0.00	14.57	0.26	0	2	0	100	0.00	0.0	5.001	0.000	2	0	1	1 L
L PL.27855	PL.8607	A	4ACSR	6.68Y	111.4	0.03	14.60	5.40	3	36	6	99	0.01	0.0	5.048	0.110	0	0	0	7 L
L 458204	PL.27855	A	Consumer	6.68Y	111.4	0.00	14.60	0.28	0	2	0	100	0.00	0.0	5.048	0.000	2	0	1	1 L
L PL.27856	PL.27855	A	4ACSR	6.68Y	111.4	0.03	14.63	5.12	3	34	6	98	0.01	0.0	5.189	0.140	0	0	0	6 L
L PL.7031	PL.27856	A	4ACSR	6.68Y	111.4	0.02	14.65	3.52	2	23	4	99	0.00	0.0	5.333	0.145	0	0	0	5 L
L PL.40898	PL.7031	A	4ACSR	6.68Y	111.3	0.01	14.66	1.96	1	13	2	99	0.00	0.0	5.397	0.064	0	0	0	4 L
L PL.40899	PL.40898	A	4ACSR	6.68Y	111.3	0.00	14.66	1.96	1	13	2	99	0.00	0.0	5.407	0.009	0	0	0	4 L
L PL.7035	PL.40899	A	4ACSR	6.68Y	111.3	0.01	14.66	1.33	1	9	1	99	0.00	0.0	5.519	0.112	0	0	0	3 L
L PL.40900	PL.7035	A	4ACSR	6.68Y	111.3	0.00	14.67	1.29	1	8	1	99	0.00	0.0	5.584	0.065	0	0	0	2 L
L PD.7284	PL.40900	A	fuse6AMP	6.68Y	111.3	0.00	14.67	1.29	22	8	1	99	0.00	0.0	5.584	0.000	0	0	0	2 L
L PL.40901	PD.7284	A	4ACSR	6.68Y	111.3	0.05	14.72	1.29	1	8	1	99	0.00	0.0	6.464	0.880	0	0	0	2 L
L 457212	PL.40901	A	Consumer	6.68Y	111.3	0.00	14.72	0.00	0	0	0	100	0.00	0.0	6.464	0.000	0	0	1	1 L
L 457225	PL.40901	A	Consumer	6.68Y	111.3	0.00	14.72	1.29	0	8	1	99	0.00	0.0	6.464	0.000	8	1	1	1 L
L 458201	PL.7035	A	Consumer	6.68Y	111.3	0.00	14.66	0.05	0	0	0	100	0.00	0.0	5.519	0.000	0	0	1	1 L
L 458206	PL.40899	A	Consumer	6.68Y	111.3	0.00	14.66	0.63	0	4	1	97	0.00	0.0	5.407	0.000	4	1	1	1 L
L 458205	PL.7031	A	Consumer	6.68Y	111.4	0.00	14.65	1.56	0	10	2	98	0.00	0.0	5.333	0.000	10	2	1	1 L
L 458207	PL.27856	A	Consumer	6.68Y	111.4	0.00	14.63	0.00	0	0	0	100	0.00	0.0	5.189	0.000	0	0	0	0 L
L 458202	PL.27856	A	Consumer	6.68Y	111.4	0.00	14.63	1.60	0	11	2	98	0.00	0.0	5.189	0.000	11	2	1	1 L
L 458302	PL.7029	A	Consumer	6.69Y	111.5	0.00	14.54	1.03	0	7	1	99	0.00	0.0	4.827	0.000	7	1	1	1 L
L 458339	PL.7029	A	Consumer	6.69Y	111.5	0.00	14.54	0.46	0	3	0	100	0.00	0.0	4.827	0.000	3	0	1	1 L
L PL.40902	PL.40905	A	4ACSR	6.69Y	111.5	0.01	14.49	38.06	20	251	42	99	0.02	0.0	4.656	0.005	0	0	0	39 L
L PD.7285	PL.40902	A	fuse6AMP	6.69Y	111.5	0.00	14.49	38.06	650	251	42	99	0.00	0.0	4.656	0.000	0	0	0	39 L
L PL.40903	PD.7285	A	4ACSR	6.67Y	111.2	0.34	14.83	38.06	20	251	42	99	0.72	0.3	4.863	0.207	0	0	0	39 L
L 458303	PL.40903	A	Consumer	6.67Y	111.2	0.00	14.83	1.25	0	8	1	99	0.00	0.0	4.863	0.000	8	1	1	1 L
L PL.41004	PL.40903	A	4ACSR	6.67Y	111.2	0.00	14.83	1.75	1	11	2	98	0.00	0.0	4.872	0.009	0	0	0	2 L
L PD.7316	PL.41004	A	fuse6AMP	6.67Y	111.2	0.00	14.83	1.75	30	11	2	98	0.00	0.0	4.872	0.000	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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
L PL.41005	PD.7316	A	4ACSR	6.67Y	111.2	0.01	14.84	1.75	1	11	2	98	0.00	0.0	4.968	0.096	0	0	0	2 L
L 458333	PL.41005	A	Consumer	6.67Y	111.2	0.00	14.84	1.01	0	7	1	99	0.00	0.0	4.968	0.000	7	1	1	1 L
L 458332	PL.41005	A	Consumer	6.67Y	111.2	0.00	14.84	0.73	0	5	1	98	0.00	0.0	4.968	0.000	5	1	1	1 L
L PL.7026	PL.40903	A	4ACSR	6.66Y	111.1	0.11	14.95	35.06	18	231	39	99	0.22	0.1	4.938	0.075	0	0	0	36 L
L PL.7027	PL.7026	A	4ACSR	6.66Y	111.0	0.09	15.03	35.06	18	230	38	99	0.17	0.1	4.994	0.056	0	0	0	36 L
L 458304	PL.7027	A	Consumer	6.66Y	111.0	0.00	15.03	0.38	0	2	0	100	0.00	0.0	4.994	0.000	2	0	1	1 L
L PL.36668	PL.7027	A	4ACSR	6.65Y	110.8	0.19	15.22	34.68	18	228	38	99	0.36	0.2	5.119	0.125	0	0	0	35 L
L PL.36669	PL.36668	A	4ACSR	6.64Y	110.7	0.06	15.28	33.32	17	218	36	99	0.11	0.1	5.162	0.043	0	0	0	34 L
L PL.33979	PL.36669	A	4ACSR	6.64Y	110.7	0.05	15.33	33.32	17	218	36	99	0.10	0.0	5.199	0.037	0	0	0	34 L
L PL.19898	PL.33979	A	4ACSR	6.63Y	110.4	0.25	15.58	32.58	17	213	35	99	0.45	0.2	5.376	0.177	0	0	0	32 L
L 459205	PL.19898	A	Consumer	6.63Y	110.4	0.00	15.58	0.81	0	5	1	98	0.00	0.0	5.376	0.000	5	1	1	1 L
L PL.40906	PL.19898	A	4ACSR	6.61Y	110.1	0.32	15.90	31.77	16	208	34	99	0.56	0.3	5.609	0.234	0	0	0	31 L
L PD.7287	PL.40906	A	25L	6.61Y	110.1	0.00	15.90	31.77	127	207	34	99	0.00	0.0	5.609	0.000	0	0	0	31 L
L PL.40907	PD.7287	A	4ACSR	6.60Y	110.1	0.01	15.92	31.77	16	207	34	99	0.02	0.0	5.619	0.010	0	0	0	31 L
L PL.40910	PL.40907	A	4ACSR	6.60Y	110.1	0.00	15.92	0.79	0	5	1	98	0.00	0.0	5.629	0.010	0	0	0	1 L
L PD.7289	PL.40910	A	fuse6AMP	6.60Y	110.1	0.00	15.92	0.79	13	5	1	98	0.00	0.0	5.629	0.000	0	0	0	1 L
L PL.40911	PD.7289	A	4ACSR	6.60Y	110.1	0.00	15.92	0.79	0	5	1	98	0.00	0.0	5.722	0.092	0	0	0	1 L
L 459224	PL.40911	A	Consumer	6.60Y	110.1	0.00	15.92	0.79	0	5	1	98	0.00	0.0	5.722	0.000	5	1	1	1 L
L 459221	PL.40907	A	Consumer	6.60Y	110.1	0.00	15.92	0.81	0	5	1	98	0.00	0.0	5.619	0.000	5	1	1	1 L
L 459223	PL.40907	A	Consumer	6.60Y	110.1	0.00	15.92	1.47	0	10	2	98	0.00	0.0	5.619	0.000	10	2	1	1 L
L PL.28557	PL.40907	A	4ACSR	6.60Y	110.1	0.02	15.94	28.71	15	187	31	99	0.03	0.0	5.637	0.018	0	0	0	28 L
L PL.21530	PL.28557	A	4ACSR	6.60Y	110.0	0.07	16.01	28.71	15	187	31	99	0.12	0.1	5.697	0.060	0	0	0	28 L
L PL.21531	PL.21530	A	4ACSR	6.60Y	109.9	0.06	16.08	24.44	13	159	26	99	0.08	0.1	5.756	0.059	0	0	0	25 L
L PL.28558	PL.21531	A	4ACSR	6.59Y	109.9	0.06	16.13	24.44	13	159	26	99	0.08	0.0	5.809	0.053	0	0	0	25 L
L PL.41010	PL.28558	A	4ACSR	6.59Y	109.9	0.00	16.13	2.13	1	14	2	99	0.00	0.0	5.816	0.007	0	0	0	2 L
L PD.7319	PL.41010	A	fuse6AMP	6.59Y	109.9	0.00	16.13	2.13	36	14	2	99	0.00	0.0	5.816	0.000	0	0	0	2 L
L PL.41011	PD.7319	A	4ACSR	6.59Y	109.9	0.01	16.14	2.13	1	14	2	99	0.00	0.0	5.896	0.079	0	0	0	2 L
L PL.28560	PL.41011	A	4ACSR	6.59Y	109.9	0.01	16.15	2.13	1	14	2	99	0.00	0.0	5.960	0.064	0	0	0	2 L
L PL.22598	PL.28560	A	4ACSR	6.59Y	109.9	0.00	16.15	1.08	1	7	1	99	0.00	0.0	6.005	0.045	0	0	0	1 L
L 459211	PL.22598	A	Consumer	6.59Y	109.9	0.00	16.15	1.08	0	7	1	99	0.00	0.0	6.005	0.000	7	1	1	1 L
L PL.22599	PL.22598	A	4ACSR	6.59Y	109.9	0.00	16.15	0.00	0	0	0	100	0.00	0.0	6.010	0.005	0	0	0	0 L
L PL.28561	PL.28560	A	4ACSR	6.59Y	109.9	0.00	16.15	1.05	1	7	1	99	0.00	0.0	6.022	0.062	0	0	0	1 L
L PL.23591	PL.28561	A	4ACSR	6.59Y	109.9	0.00	16.15	0.00	0	0	0	100	0.00	0.0	6.120	0.098	0	0	0	0 L
L PL.23589	PL.28561	A	4ACSR	6.59Y	109.8	0.00	16.15	1.05	1	7	1	99	0.00	0.0	6.132	0.110	0	0	0	1 L
L PL.23590	PL.23589	A	4ACSR	6.59Y	109.8	0.00	16.16	1.05	1	7	1	99	0.00	0.0	6.188	0.055	0	0	0	1 L
L 459216	PL.23590	A	Consumer	6.59Y	109.8	0.00	16.16	1.05	0	7	1	99	0.00	0.0	6.188	0.000	7	1	1	1 L
L PL.23593	PL.23590	A	4ACSR	6.59Y	109.8	0.00	16.16	0.00	0	0	0	100	0.00	0.0	6.301	0.113	0	0	0	0 L
L 459201	PL.23593	A	Consumer	6.59Y	109.8	0.00	16.16	0.00	0	0	0	100	0.00	0.0	6.301	0.000	0	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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
L PL.28559	PL.28558	A	4ACSR	6.59Y	109.8	0.08	16.21	19.80	10	129	21	99	0.08	0.1	5.900	0.090	0	0	0	21 L
L 030214	PL.28559	A	Consumer	6.59Y	109.8	0.00	16.21	0.29	0	2	0	100	0.00	0.0	5.900	0.000	2	0	1	1 L
L PL.28562	PL.28559	A	4ACSR	6.58Y	109.7	0.08	16.29	19.51	10	127	21	99	0.09	0.1	5.996	0.096	0	0	0	20 L
L PL.28563	PL.28562	A	4ACSR	6.58Y	109.7	0.05	16.34	18.48	10	120	20	99	0.05	0.0	6.063	0.067	0	0	0	19 L
L 0302019	PL.28563	A	Consumer	6.58Y	109.7	0.00	16.34	0.75	0	5	1	98	0.00	0.0	6.063	0.000	5	1	1	1 L
L 030229	PL.28563	A	Consumer	6.58Y	109.7	0.00	16.34	0.00	0	0	0	100	0.00	0.0	6.063	0.000	0	0	0	0 L
L PL.28564	PL.28563	A	4ACSR	6.58Y	109.6	0.04	16.38	17.73	9	115	19	99	0.04	0.0	6.114	0.051	0	0	0	18 L
L PL.41472	PL.28564	A	4ACSR	6.58Y	109.6	0.01	16.40	15.77	8	102	17	99	0.01	0.0	6.133	0.019	0	0	0	16 L
L PD.7321	PL.41472	A	fuse6AMP	6.58Y	109.6	0.00	16.40	15.77	269	102	17	99	0.00	0.0	6.133	0.000	0	0	0	16 L
L PL.41471	PD.7321	A	4ACSR	6.58Y	109.6	0.01	16.40	5.23	3	34	6	98	0.00	0.0	6.170	0.037	0	0	0	7 L
L PL.28810	PL.41471	A	4ACSR	6.57Y	109.6	0.01	16.42	3.70	2	24	4	99	0.00	0.0	6.252	0.082	0	0	0	5 L
L 030224	PL.28810	A	Consumer	6.57Y	109.6	0.00	16.42	0.59	0	4	1	97	0.00	0.0	6.252	0.000	4	1	1	1 L
L PL.23032	PL.28810	A	4ACSR	6.57Y	109.6	0.00	16.42	3.11	2	20	3	99	0.00	0.0	6.270	0.018	0	0	0	4 L
L PL.23033	PL.23032	A	4ACSR	6.57Y	109.6	0.03	16.45	1.87	1	12	2	99	0.00	0.0	6.610	0.340	0	0	0	3 L
L 031203	PL.23033	A	Consumer	6.57Y	109.6	0.00	16.45	0.40	0	3	0	100	0.00	0.0	6.610	0.000	3	0	1	1 L
L PL.23029	PL.23033	A	4ACSR	6.57Y	109.5	0.00	16.45	1.47	1	10	2	98	0.00	0.0	6.679	0.069	0	0	0	2 L
L 031204	PL.23029	A	Consumer	6.57Y	109.5	0.00	16.45	1.44	0	9	2	98	0.00	0.0	6.679	0.000	9	2	1	1 L
L PL.36077	PL.23029	A	2ACSR	6.57Y	109.5	0.00	16.45	0.03	0	0	0	100	0.00	0.0	6.724	0.045	0	0	0	1 L
L 0312005	PL.36077	A	Consumer	6.57Y	109.5	0.00	16.45	0.03	0	0	0	100	0.00	0.0	6.724	0.000	0	0	1	1 L
L 030228	PL.23032	A	Consumer	6.57Y	109.6	0.00	16.42	1.24	0	8	1	99	0.00	0.0	6.270	0.000	8	1	1	1 L
L 030211	PL.41471	A	Consumer	6.58Y	109.6	0.00	16.40	0.59	0	4	1	97	0.00	0.0	6.170	0.000	4	1	1	1 L
L 030208	PL.41471	A	Consumer	6.58Y	109.6	0.00	16.40	0.94	0	6	1	99	0.00	0.0	6.170	0.000	6	1	1	1 L
L PL.41473	PD.7321	A	4ACSR	6.58Y	109.6	0.01	16.41	10.54	5	68	11	99	0.01	0.0	6.160	0.027	0	0	0	9 L
L PL.28624	PL.41473	A	4ACSR	6.57Y	109.6	0.02	16.43	9.98	5	65	10	99	0.01	0.0	6.201	0.041	0	0	0	8 L
L PL.23167	PL.28624	A	4ACSR	6.57Y	109.6	0.02	16.44	6.52	3	42	7	99	0.01	0.0	6.267	0.066	0	0	0	5 L
L 030219	PL.23167	A	Consumer	6.57Y	109.6	0.00	16.44	2.24	0	15	2	99	0.00	0.0	6.267	0.000	15	2	1	1 L
L 030217	PL.23167	A	Consumer	6.57Y	109.6	0.00	16.44	1.55	0	10	2	98	0.00	0.0	6.267	0.000	10	2	1	1 L
L 030227	PL.23167	A	Consumer	6.57Y	109.6	0.00	16.44	0.12	0	1	0	100	0.00	0.0	6.267	0.000	1	0	1	1 L
L PL.41016	PL.23167	A	4ACSR	6.57Y	109.6	0.00	16.45	1.49	1	10	1	100	0.00	0.0	6.279	0.013	0	0	0	1 L
L PD.7322	PL.41016	A	fuse6AMP	6.57Y	109.6	0.00	16.45	1.49	25	10	1	100	0.00	0.0	6.279	0.000	0	0	0	1 L
L PL.41017	PD.7322	A	4ACSR	6.57Y	109.5	0.00	16.45	1.49	1	10	1	100	0.00	0.0	6.353	0.074	0	0	0	1 L
L 030222	PL.41017	A	Consumer	6.57Y	109.5	0.00	16.45	1.49	0	10	2	98	0.00	0.0	6.353	0.000	10	2	1	1 L
L PL.46539	PL.41017	A	1/0EPRJCN	6.57Y	109.5	-0.00	16.45	-0.02	0	0	0	100	0.00	0.0	6.388	0.035	0	0	0	0 L
L 0302020	PL.46539	A	Consumer	6.57Y	109.5	0.00	16.45	0.00	0	0	0	100	0.00	0.0	6.388	0.000	0	0	0	0 L
L PL.23034	PL.23167	A	4ACSR	6.57Y	109.6	0.00	16.45	1.13	1	7	1	99	0.00	0.0	6.303	0.036	0	0	0	1 L
L PL.23265	PL.23034	A	4ACSR	6.57Y	109.5	0.01	16.45	1.13	1	7	1	99	0.00	0.0	6.423	0.120	0	0	0	1 L
L 030220	PL.23265	A	Consumer	6.57Y	109.5	0.00	16.45	1.13	0	7	1	99	0.00	0.0	6.423	0.000	7	1	1	1 L
L 030230	PL.23034	A	Consumer	6.57Y	109.6	0.00	16.45	0.00	0	0	0	100	0.00	0.0	6.303	0.000	0	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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
L 030226	PL.28624	A	Consumer	6.57Y	109.6	0.00	16.43	2.32	0	15	2	99	0.00	0.0	6.201	0.000	15	2	1	1 L
L 030223	PL.28624	A	Consumer	6.57Y	109.6	0.00	16.43	0.09	0	1	0	100	0.00	0.0	6.201	0.000	1	0	1	1 L
L 030218	PL.28624	A	Consumer	6.57Y	109.6	0.00	16.43	1.06	0	7	1	99	0.00	0.0	6.201	0.000	7	1	1	1 L
L 030203	PL.41473	A	Consumer	6.58Y	109.6	0.00	16.41	0.56	0	4	1	97	0.00	0.0	6.160	0.000	4	1	1	1 L
L 030210	PL.28564	A	Consumer	6.58Y	109.6	0.00	16.38	0.29	0	2	0	100	0.00	0.0	6.114	0.000	2	0	1	1 L
L 030221	PL.28564	A	Consumer	6.58Y	109.6	0.00	16.38	1.67	0	11	2	98	0.00	0.0	6.114	0.000	11	2	1	1 L
L PL.41012	PL.28562	A	4ACSR	6.58Y	109.7	0.00	16.29	1.03	1	7	1	99	0.00	0.0	6.001	0.005	0	0	0	1 L
L PD.7320	PL.41012	A	fuse6AMP	6.58Y	109.7	0.00	16.29	1.03	18	7	1	99	0.00	0.0	6.001	0.000	0	0	0	1 L
L PL.41013	PD.7320	A	4ACSR	6.58Y	109.7	0.00	16.29	1.03	1	7	1	99	0.00	0.0	6.087	0.086	0	0	0	1 L
L 0302018	PL.41013	A	Consumer	6.58Y	109.7	0.00	16.29	1.03	0	7	1	99	0.00	0.0	6.087	0.000	7	1	1	1 L
L 030216	PL.28558	A	Consumer	6.59Y	109.9	0.00	16.13	0.49	0	3	1	95	0.00	0.0	5.809	0.000	3	1	1	1 L
L PL.41008	PL.28558	A	4ACSR	6.59Y	109.9	0.00	16.13	2.01	1	13	2	99	0.00	0.0	5.817	0.008	0	0	0	1 L
L PD.7318	PL.41008	A	fuse6AMP	6.59Y	109.9	0.00	16.13	2.01	34	13	2	99	0.00	0.0	5.817	0.000	0	0	0	1 L
L PL.41009	PD.7318	A	4ACSR	6.59Y	109.9	0.01	16.14	2.01	1	13	2	99	0.00	0.0	5.881	0.063	0	0	0	1 L
L PL.23030	PL.41009	A	4ACSR	6.59Y	109.9	0.00	16.14	2.01	1	13	2	99	0.00	0.0	5.885	0.004	0	0	0	1 L
L 030215	PL.23030	A	Consumer	6.59Y	109.9	0.00	16.14	0.00	0	0	0	100	0.00	0.0	5.885	0.000	0	0	0	0 L
L 030206	PL.23030	A	Consumer	6.59Y	109.9	0.00	16.14	2.01	0	13	2	99	0.00	0.0	5.885	0.000	13	2	1	1 L
L PL.23031	PL.23030	A	4ACSR	6.59Y	109.9	0.00	16.14	0.00	0	0	0	100	0.00	0.0	6.106	0.221	0	0	0	0 L
L 030212	PL.23031	A	Consumer	6.59Y	109.9	0.00	16.14	0.00	0	0	0	100	0.00	0.0	6.106	0.000	0	0	0	0 L
L 459217	PL.21530	A	Consumer	6.60Y	110.0	0.00	16.01	1.42	0	9	2	98	0.00	0.0	5.697	0.000	9	2	1	1 L
L 459213	PL.21530	A	Consumer	6.60Y	110.0	0.00	16.01	1.09	0	7	1	99	0.00	0.0	5.697	0.000	7	1	1	1 L
L 459222	PL.21530	A	Consumer	6.60Y	110.0	0.00	16.01	1.76	0	11	2	98	0.00	0.0	5.697	0.000	11	2	1	1 L
L 459220	PL.33979	A	Consumer	6.64Y	110.7	0.00	15.33	0.08	0	1	0	100	0.00	0.0	5.199	0.000	1	0	1	1 L
L 459204	PL.33979	A	Consumer	6.64Y	110.7	0.00	15.33	0.66	0	4	1	97	0.00	0.0	5.199	0.000	4	1	1	1 L
L PL.41006	PL.36668	A	2ACSR	6.65Y	110.8	0.00	15.22	1.36	1	9	1	99	0.00	0.0	5.131	0.011	0	0	0	1 L
L PD.7317-A	PL.41006	A	Closed	6.65Y	110.8	0.00	15.22	1.36	0	9	1	99	0.00	0.0	5.131	0.000	0	0	0	1 L
L PD.7317-B	PD.7317-A	A	Closed	6.65Y	110.8	0.00	15.22	1.36	0	9	1	99	0.00	0.0	5.131	0.000	0	0	0	1 L
L PL.41007	PD.7317-B	A	2ACSR	6.65Y	110.8	0.02	15.24	1.36	1	9	1	99	0.00	0.0	5.691	0.560	0	0	0	1 L
L PL.36671	PL.41007	A	2ACSR	6.65Y	110.8	0.00	15.25	1.36	1	9	1	99	0.00	0.0	5.804	0.113	0	0	0	1 L
L 4582008	PL.36671	A	Consumer	6.65Y	110.8	0.00	15.25	1.36	0	9	1	99	0.00	0.0	5.804	0.000	9	1	1	1 L
L 458336	PL.7030	A	Consumer	6.70Y	111.7	0.00	14.28	0.03	0	0	0	100	0.00	0.0	4.557	0.000	0	0	1	1 L
L 458305	PL.7030	A	Consumer	6.70Y	111.7	0.00	14.28	0.17	0	1	0	100	0.00	0.0	4.557	0.000	1	0	1	1 L
L 458355	PL.22111	A	Consumer	6.77Y	112.8	0.00	13.20	0.00	0	0	0	100	0.00	0.0	4.061	0.000	0	0	0	0 L
L PL.41723	PL.9477	B	4ACSR	6.96Y	116.0	0.00	10.01	2.63	1	18	3	99	0.00	0.0	3.857	0.005	0	0	0	3 L
L PD.7506	PL.41723	B	fuse6AMP	6.96Y	116.0	0.00	10.01	2.63	45	18	3	99	0.00	0.0	3.857	0.000	0	0	0	3 L
L PL.41724	PD.7506	B	4ACSR	6.96Y	116.0	0.02	10.02	2.63	1	18	3	99	0.00	0.0	3.997	0.140	0	0	0	3 L
L 458352	PL.41724	B	Consumer	6.96Y	116.0	0.00	10.02	0.77	0	5	1	98	0.00	0.0	3.997	0.000	5	1	1	1 L
L 458353	PL.41724	B	Consumer	6.96Y	116.0	0.00	10.02	1.86	0	13	2	99	0.00	0.0	3.997	0.000	13	2	1	1 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

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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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
L 4583062	PL.41724	B	Consumer	6.96Y	116.0	0.00	10.02	0.00	0	0	0	100	0.00	0.0	3.997	0.000	0	0	1	1 L
L 458356	PL.9477	B	Consumer	6.96Y	116.0	0.00	10.01	0.00	0	0	0	100	0.00	0.0	3.852	0.000	0	0	1	1 L
L 458354	PL.39222	C	Consumer	6.96Y	116.1	0.00	9.95	1.99	0	14	2	99	0.00	0.0	3.717	0.000	14	2	1	1 L
L 458357	PL.39222	C	Consumer	6.96Y	116.1	0.00	9.95	0.18	0	1	0	100	0.00	0.0	3.717	0.000	1	0	1	1 L
L PL.16893	PL.9718	C	4ACSR	7.03Y	117.1	0.00	8.90	0.79	0	5	1	98	0.00	0.0	3.410	0.008	0	0	0	1 L
L PD.1514	PL.16893	C	fuse6AMP	7.03Y	117.1	0.00	8.90	0.79	13	5	1	98	0.00	0.0	3.410	0.000	0	0	0	1 L
L PL.16894	PD.1514	C	4ACSR	7.03Y	117.1	0.00	8.90	0.79	0	5	1	98	0.00	0.0	3.544	0.134	0	0	0	1 L
L 458345	PL.16894	C	Consumer	7.03Y	117.1	0.00	8.90	0.79	0	5	1	98	0.00	0.0	3.544	0.000	5	1	1	1 L
459323	PL.40909	C	Consumer	7.09Y	118.2	0.00	7.81	1.36	0	10	2	98	0.00	0.0	3.079	0.000	10	2	1	1
PL.41715	PL.9721	B	4ACSR	7.18Y	119.7	0.00	6.34	0.70	0	5	1	98	0.00	0.0	2.798	0.006	0	0	0	1
PD.7502	PL.41715	B	fuse6AMP	7.18Y	119.7	0.00	6.34	0.70	12	5	1	98	0.00	0.0	2.798	0.000	0	0	0	1
PL.41716	PD.7502	B	4ACSR	7.18Y	119.7	0.00	6.34	0.70	0	5	1	98	0.00	0.0	2.841	0.044	0	0	0	1
459304	PL.41716	B	Consumer	7.18Y	119.7	0.00	6.34	0.70	0	5	1	98	0.00	0.0	2.841	0.000	5	1	1	1
030315	PL.28168	B	Consumer	7.27Y	121.1	0.00	4.88	0.00	0	0	0	100	0.00	0.0	2.425	0.000	0	0	0	0
030319	PL.28168	B	Consumer	7.27Y	121.1	0.00	4.88	0.00	0	0	0	100	0.00	0.0	2.425	0.000	0	0	0	0
030311	PL.19708	C	Consumer	7.28Y	121.4	0.00	4.64	0.70	0	5	1	98	0.00	0.0	2.206	0.000	5	1	1	1
030306	PL.19708	C	Consumer	7.28Y	121.4	0.00	4.64	5.73	0	38	18	90	0.00	0.0	2.206	0.000	38	18	1	1
031403	PL.4884	A	Consumer	7.40Y	123.3	0.00	2.71	0.58	0	4	1	97	0.00	0.0	1.825	0.000	4	1	1	1
031422	PL.4884	B	Consumer	7.42Y	123.6	0.00	2.39	0.00	0	0	0	100	0.00	0.0	1.825	0.000	0	0	0	0
031404	PL.40692	A	Consumer	7.42Y	123.6	0.00	2.36	0.40	0	3	0	100	0.00	0.0	1.751	0.000	3	0	1	1
PL.27275	PL.9727	B	4ACSR	7.48Y	124.6	0.00	1.40	0.67	0	5	1	98	0.00	0.0	1.591	0.005	0	0	0	1
PD.1197	PL.27275	B	fuse6AMP	7.48Y	124.6	0.00	1.40	0.67	11	5	1	98	0.00	0.0	1.591	0.000	0	0	0	1
PL.27276	PD.1197	B	4ACSR	7.48Y	124.6	0.00	1.40	0.67	0	5	1	98	0.00	0.0	1.661	0.069	0	0	0	1
031415	PL.27276	B	Consumer	7.48Y	124.6	0.00	1.40	0.67	0	5	1	98	0.00	0.0	1.661	0.000	5	1	1	1
PL.1716	PL.9732	C	4ACSR	7.42Y	123.6	0.00	2.40	0.72	0	5	1	98	0.00	0.0	0.613	0.064	0	0	0	2
032447	PL.1716	C	Consumer	7.42Y	123.6	0.00	2.40	0.24	0	2	0	100	0.00	0.0	0.613	0.000	2	0	1	1
032421	PL.1716	C	Consumer	7.42Y	123.6	0.00	2.40	0.48	0	3	1	95	0.00	0.0	0.613	0.000	3	1	1	1
032471	PL.9732	A	Consumer	7.41Y	123.6	0.00	2.43	0.01	0	0	0	100	0.00	0.0	0.549	0.000	0	0	1	1
032483	PL.9732	A	Consumer	7.41Y	123.6	0.00	2.43	0.27	0	2	0	100	0.00	0.0	0.549	0.000	2	0	1	1
032448	PL.9732	A	Consumer	7.41Y	123.6	0.00	2.43	0.55	0	4	1	97	0.00	0.0	0.549	0.000	4	1	1	1
032497	PL.9732	A	Consumer	7.41Y	123.6	0.00	2.43	0.26	0	2	0	100	0.00	0.0	0.549	0.000	2	0	1	1
032469	PL.9732	A	Consumer	7.41Y	123.6	0.00	2.43	0.60	0	4	1	97	0.00	0.0	0.549	0.000	4	1	1	1
032468	PL.9732	A	Consumer	7.41Y	123.6	0.00	2.43	0.17	0	1	1	71	0.00	0.0	0.549	0.000	1	1	1	1
032435	PL.19755	A	Consumer	7.45Y	124.1	0.00	1.90	0.86	0	6	1	99	0.00	0.0	0.446	0.000	6	1	1	1
032402	PL.19755	A	Consumer	7.45Y	124.1	0.00	1.90	0.20	0	1	0	100	0.00	0.0	0.446	0.000	1	0	1	1
032476	PL.19755	A	Consumer	7.45Y	124.1	0.00	1.90	1.31	0	10	2	98	0.00	0.0	0.446	0.000	10	2	1	1
032493	PL.9734	A	Consumer	7.47Y	124.5	0.00	1.45	0.02	0	0	0	100	0.00	0.0	0.359	0.000	0	0	1	1
032403	PL.9734	A	Consumer	7.47Y	124.5	0.00	1.45	0.66	0	5	1	98	0.00	0.0	0.359	0.000	5	1	1	1

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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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
032496	PL.9734	A	Consumer	7.47Y	124.5	0.00	1.45	0.45	0	3	1	95	0.00	0.0	0.359	0.000	3	1	1	1
032442	PL.18246	A	Consumer	7.52Y	125.3	0.00	0.75	0.63	0	5	1	98	0.00	0.0	0.224	0.000	5	1	1	1
032430	PL.18246	A	Consumer	7.52Y	125.3	0.00	0.75	0.06	0	0	0	100	0.00	0.0	0.224	0.000	0	0	1	1
032404	PL.19483	C	Consumer	7.55Y	125.8	0.00	0.20	0.06	0	0	0	100	0.00	0.0	0.113	0.000	0	0	1	1
032477	PL.28167	A	Consumer	7.55Y	125.9	0.00	0.11	5.21	0	35	17	90	0.00	0.0	0.064	0.000	35	17	1	1
032490	PL.28167	A	Consumer	7.55Y	125.9	0.00	0.11	3.57	0	24	12	89	0.00	0.0	0.064	0.000	24	12	1	1
032462	PL.28167	C	Consumer	7.55Y	125.9	0.00	0.11	0.42	0	3	1	95	0.00	0.0	0.064	0.000	3	1	1	1
032481	PL.28167	A	Consumer	7.55Y	125.9	0.00	0.11	0.40	0	3	1	95	0.00	0.0	0.064	0.000	3	1	1	1
032446	PL.28167	A	Consumer	7.55Y	125.9	0.00	0.11	0.39	0	3	0	100	0.00	0.0	0.064	0.000	3	0	1	1
032470	PL.28166	C	Consumer	7.56Y	125.9	0.00	0.07	1.06	0	7	3	92	0.00	0.0	0.041	0.000	7	3	1	1
PL.29051	FRENCHBURG	A	397ACSR	7.56Y	126.0	0.00	0.00	73.15	9	534	142	97	0.04	0.0	0.007	0.007	0	0	0	70
		B		7.56Y	126.0	0.01	0.01	120.52	15	881	232	97					0	0	0	132
		C		7.56Y	126.0	0.00	0.00	87.59	11	635	188	96					0	0	0	73
PL.32862	PL.29051	A	397ACSR	7.56Y	126.0	0.00	0.00	73.15	9	534	142	97	0.01	0.0	0.008	0.001	0	0	0	70
		B		7.56Y	126.0	0.00	0.01	120.52	15	881	232	97					0	0	0	132
		C		7.56Y	126.0	0.00	0.00	87.59	11	635	188	96					0	0	0	73
---------- Feeder No. 2 (FRNBURG2) Beginning with Device PD.3892 ----------																				
PD.3892	PL.32862	A	VWVE	7.56Y	126.0	0.00	0.00	73.15	0	534	142	97	0.00	0.0	0.008	0.000	0	0	0	70
		B		7.56Y	126.0	0.00	0.01	120.52	0	881	232	97					0	0	0	132
		C		7.56Y	126.0	0.00	0.00	87.59	0	635	188	96					0	0	0	73
PL.32863	PD.3892	A	397ACSR	7.56Y	126.0	0.00	0.00	73.15	9	534	142	97	0.01	0.0	0.009	0.001	0	0	0	70
		B		7.56Y	126.0	0.00	0.01	120.52	15	881	232	97					0	0	0	132
		C		7.56Y	126.0	0.00	0.00	87.59	11	635	188	96					0	0	0	73
PL.20118	PL.32863	A	397ACSR	7.56Y	126.0	0.01	0.02	73.15	9	534	142	97	0.14	0.0	0.030	0.021	0	0	0	70
		B		7.56Y	126.0	0.02	0.03	120.52	15	881	232	97					0	0	0	132
		C		7.56Y	126.0	0.01	0.01	87.59	11	635	188	96					0	0	0	73
PD.265-A	PL.20118	A	Closed	7.56Y	126.0	0.00	0.02	73.15	0	534	142	97	0.00	0.0	0.030	0.000	0	0	0	70
		B		7.56Y	126.0	0.00	0.03	120.52	0	881	232	97					0	0	0	132
		C		7.56Y	126.0	0.00	0.01	87.59	0	635	187	96					0	0	0	73
PD.265-B	PD.265-A	A	Closed	7.56Y	126.0	0.00	0.02	73.15	0	534	142	97	0.00	0.0	0.030	0.000	0	0	0	70
		B		7.56Y	126.0	0.00	0.03	120.52	0	881	232	97					0	0	0	132
		C		7.56Y	126.0	0.00	0.01	87.59	0	635	187	96					0	0	0	73
PL.20447	PD.265-B	A	397ACSR	7.56Y	126.0	0.02	0.04	73.15	9	534	142	97	0.28	0.0	0.072	0.042	0	0	0	70
		B		7.56Y	125.9	0.04	0.07	120.52	15	881	232	97					0	0	0	132
		C		7.56Y	126.0	0.01	0.02	87.59	11	635	187	96					0	0	0	73
PL.30360	PL.20447	A	397ACSR	7.55Y	125.9	0.10	0.14	70.87	9	519	134	97	1.24	0.1	0.270	0.198	0	0	0	69
		B		7.54Y	125.7	0.19	0.26	118.25	15	865	224	97					0	0	0	131
		C		7.56Y	125.9	0.06	0.08	85.30	10	619	180	96					0	0	0	72
0324107	PL.30360	C	Consumer	7.56Y	125.9	0.00	0.08	0.00	0	0	0	100	0.00	0.0	0.270	0.000	0	0	0	0
0324101	PL.30360	A	Consumer	7.55Y	125.9	0.00	0.14	1.76	0	13	2	99	0.00	0.0	0.270	0.000	13	2	1	1
PL.30361	PL.30360	A	397ACSR	7.55Y	125.8	0.06	0.20	69.12	8	505	132	97	0.76	0.0	0.392	0.122	0	0	0	68
		B		7.54Y	125.6	0.12	0.38	118.25	15	864	221	97					0	0	0	131
		C		7.55Y	125.9	0.04	0.12	85.30	10	619	179	96					0	0	0	72
PL.26202	PL.30361	A	397ACSR	7.55Y	125.8	0.02	0.21	69.12	8	505	132	97	0.20	0.0	0.424	0.032	0	0	0	68
		B		7.54Y	125.6	0.03	0.41	118.25	15	864	220	97					0	0	0	131
		C		7.55Y	125.9	0.01	0.13	85.30	10	619	178	96					0	0	0	72
PL.26203	PL.26202	A	397ACSR	7.55Y	125.8	0.00	0.22	68.32	8	499	131	97	0.02	0.0	0.426	0.003	0	0	0	65
		B		7.54Y	125.6	0.00	0.41	118.25	15	863	220	97					0	0	0	131
		C		7.55Y	125.9	0.00	0.13	85.30	10	619	178	96					0	0	0	72

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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.26204	PL.26203	A	397ACSR	7.55Y	125.8	0.00	0.22	68.32	8	499	131	97	0.01	0.0	0.428	0.002	0	0	0	65
		B		7.54Y	125.6	0.00	0.41	118.25	15	863	220	97					0	0	0	131
		C		7.55Y	125.9	0.00	0.13	85.30	10	619	178	96					0	0	0	72
PL.23866	PL.26204	A	4ACSR	7.55Y	125.8	0.00	0.22	0.77	0	6	1	99	0.00	0.0	0.487	0.059	0	0	0	1
033482	PL.23866	A	Consumer	7.55Y	125.8	0.00	0.22	0.77	0	6	1	99	0.00	0.0	0.487	0.000	6	1	1	1
PL.26205	PL.26204	A	397ACSR	7.55Y	125.8	0.02	0.24	67.55	8	493	130	97	0.30	0.0	0.477	0.049	0	0	0	64
		B		7.53Y	125.5	0.05	0.46	118.25	15	863	220	97					0	0	0	131
		C		7.55Y	125.9	0.01	0.14	85.30	10	619	178	96					0	0	0	72
033476	PL.26205	C	Consumer	7.55Y	125.9	0.00	0.14	0.82	0	6	1	99	0.00	0.0	0.477	0.000	6	1	1	1
PL.26206	PL.26205	A	397ACSR	7.54Y	125.7	0.03	0.27	67.55	8	493	129	97	0.38	0.0	0.538	0.061	0	0	0	64
		B		7.53Y	125.5	0.06	0.52	118.25	15	863	219	97					0	0	0	131
		C		7.55Y	125.8	0.02	0.16	84.49	10	613	177	96					0	0	0	71
PL.26207	PL.26206	A	1/0CU	7.54Y	125.6	0.12	0.39	67.55	16	493	129	97	1.98	0.1	0.674	0.136	0	0	0	64
		B		7.51Y	125.2	0.23	0.75	117.55	27	858	218	97					0	0	0	130
		C		7.54Y	125.7	0.10	0.26	83.10	19	603	175	96					0	0	0	68
PL.24653	PL.26207	A	1/0CU	7.53Y	125.6	0.05	0.44	67.55	16	492	129	97	0.89	0.0	0.737	0.063	0	0	0	64
		B		7.51Y	125.1	0.11	0.86	115.54	27	842	214	97					0	0	0	129
		C		7.54Y	125.7	0.04	0.30	81.34	19	590	168	96					0	0	0	67
PL.24647	PL.24653	A	397ACSR	7.53Y	125.6	0.01	0.45	67.55	8	492	129	97	0.11	0.0	0.756	0.019	0	0	0	64
		B		7.51Y	125.1	0.02	0.88	115.54	14	841	213	97					0	0	0	129
		C		7.54Y	125.7	0.00	0.31	81.34	10	590	168	96					0	0	0	67
033436	PL.24647	C	Consumer	7.54Y	125.7	0.00	0.31	0.38	0	3	0	100	0.00	0.0	0.756	0.000	3	0	1	1
033441	PL.24647	C	Consumer	7.54Y	125.7	0.00	0.31	0.41	0	3	0	100	0.00	0.0	0.756	0.000	3	0	1	1
033443	PL.24647	C	Consumer	7.54Y	125.7	0.00	0.31	0.58	0	4	1	97	0.00	0.0	0.756	0.000	4	1	1	1
033444	PL.24647	C	Consumer	7.54Y	125.7	0.00	0.31	3.13	0	21	10	90	0.00	0.0	0.756	0.000	21	10	1	1
033440	PL.24647	C	Consumer	7.54Y	125.7	0.00	0.31	0.64	0	5	1	98	0.00	0.0	0.756	0.000	5	1	1	1
033438	PL.24647	C	Consumer	7.54Y	125.7	0.00	0.31	0.46	0	3	1	95	0.00	0.0	0.756	0.000	3	1	1	1
033439	PL.24647	C	Consumer	7.54Y	125.7	0.00	0.31	0.69	0	5	1	98	0.00	0.0	0.756	0.000	5	1	1	1
033442	PL.24647	C	Consumer	7.54Y	125.7	0.00	0.31	0.72	0	5	1	98	0.00	0.0	0.756	0.000	5	1	1	1
033437	PL.24647	C	Consumer	7.54Y	125.7	0.00	0.31	0.65	0	5	1	98	0.00	0.0	0.756	0.000	5	1	1	1
PL.24648	PL.24647	A	397ACSR	7.53Y	125.5	0.02	0.47	67.55	8	492	129	97	0.24	0.0	0.799	0.043	0	0	0	64
		B		7.51Y	125.1	0.04	0.92	115.54	14	841	213	97					0	0	0	129
		C		7.54Y	125.7	0.01	0.31	73.75	9	535	152	96					0	0	0	58
PL.24649	PL.24648	A	397ACSR	7.53Y	125.5	0.04	0.51	64.54	8	470	125	97	0.39	0.0	0.869	0.070	0	0	0	60
		B		7.50Y	125.0	0.07	0.98	115.54	14	841	212	97					0	0	0	129
		C		7.54Y	125.7	0.01	0.33	73.70	9	535	152	96					0	0	0	57
033451	PL.24649	A	Consumer	7.53Y	125.5	0.00	0.51	0.71	0	5	1	98	0.00	0.0	0.869	0.000	5	1	1	1
033450	PL.24649	A	Consumer	7.53Y	125.5	0.00	0.51	0.83	0	6	1	99	0.00	0.0	0.869	0.000	6	1	1	1
033449	PL.24649	A	Consumer	7.53Y	125.5	0.00	0.51	0.59	0	4	1	97	0.00	0.0	0.869	0.000	4	1	1	1
033452	PL.24649	A	Consumer	7.53Y	125.5	0.00	0.51	0.52	0	4	1	97	0.00	0.0	0.869	0.000	4	1	1	1
PL.26210	PL.24649	A	397ACSR	7.53Y	125.5	0.01	0.52	61.91	8	450	122	97	0.13	0.0	0.892	0.023	0	0	0	56
		B		7.50Y	125.0	0.02	1.00	115.54	14	840	212	97					0	0	0	129
		C		7.54Y	125.7	0.00	0.33	73.70	9	535	151	96					0	0	0	57
PL.42183	PL.26210	A	397ACSR	7.53Y	125.5	0.02	0.54	59.52	7	432	119	96	0.17	0.0	0.926	0.034	0	0	0	52
		B		7.50Y	125.0	0.03	1.03	110.44	14	802	205	97					0	0	0	120
		C		7.54Y	125.7	0.01	0.34	73.70	9	535	151	96					0	0	0	57
PD.269-A	PL.42183	A	Closed	7.53Y	125.5	0.00	0.54	59.52	0	432	119	96	0.00	0.0	0.926	0.000	0	0	0	52
		B		7.50Y	125.0	0.00	1.03	110.44	0	802	205	97					0	0	0	120
		C		7.54Y	125.7	0.00	0.34	73.70	0	535	151	96					0	0	0	57

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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.269-B	PD.269-A	A	Closed	7.53Y	125.5	0.00	0.54	59.52	0	432	119	96	0.00	0.0	0.926	0.000	0	0	0	52
		B		7.50Y	125.0	0.00	1.03	110.44	0	802	205	97					0	0	0	120
		C		7.54Y	125.7	0.00	0.34	73.70	0	535	151	96					0	0	0	57
PL.42184	PD.269-B	A	397ACSR	7.53Y	125.5	0.01	0.54	59.52	7	432	119	96	0.09	0.0	0.943	0.017	0	0	0	52
		B		7.50Y	125.0	0.02	1.05	110.44	14	802	205	97					0	0	0	120
		C		7.54Y	125.7	0.00	0.34	73.70	9	535	151	96					0	0	0	57
PL.28100	PL.42184	A	397ACSR	7.53Y	125.5	0.00	0.55	59.52	7	432	119	96	0.03	0.0	0.948	0.005	0	0	0	52
		B		7.50Y	124.9	0.00	1.05	110.44	14	802	205	97					0	0	0	120
		C		7.54Y	125.7	0.00	0.34	73.70	9	535	151	96					0	0	0	57
PL.42185	PL.28100	A	397ACSR	7.53Y	125.5	0.00	0.55	0.00	0	0	0	100	0.00	0.0	0.978	0.030	0	0	0	0
		B		7.50Y	124.9	0.00	1.05	0.00	0	0	0	100					0	0	0	0
		C		7.54Y	125.7	0.00	0.34	0.00	0	0	0	100					0	0	0	0
PD.7638-A	PL.42185	A	Open	7.53Y	125.5	0.00	0.55	0.00	0	0	0	100	0.00	0.0	0.978	0.000	0	0	0	0
		B		7.50Y	124.9	0.00	1.05	0.00	0	0	0	100					0	0	0	0
		C		7.54Y	125.7	0.00	0.34	0.00	0	0	0	100					0	0	0	0
PL.42181	PL.28100	A	397ACSR	7.53Y	125.4	0.01	0.56	59.52	7	432	119	96	0.10	0.0	0.968	0.020	0	0	0	52
		B		7.50Y	124.9	0.02	1.07	110.44	14	802	205	97					0	0	0	120
		C		7.54Y	125.7	0.00	0.34	73.70	9	535	151	96					0	0	0	57
PD.268-A	PL.42181	A	Closed	7.53Y	125.4	0.00	0.56	59.52	0	432	119	96	0.00	0.0	0.968	0.000	0	0	0	52
		B		7.50Y	124.9	0.00	1.07	110.44	0	802	204	97					0	0	0	120
		C		7.54Y	125.7	0.00	0.34	73.70	0	535	151	96					0	0	0	57
PD.268-B	PD.268-A	A	Closed	7.53Y	125.4	0.00	0.56	59.52	0	432	119	96	0.00	0.0	0.968	0.000	0	0	0	52
		B		7.50Y	124.9	0.00	1.07	110.44	0	802	204	97					0	0	0	120
		C		7.54Y	125.7	0.00	0.34	73.70	0	535	151	96					0	0	0	57
PL.42182	PD.268-B	A	397ACSR	7.53Y	125.4	0.01	0.57	59.52	7	432	119	96	0.11	0.0	0.990	0.022	0	0	0	52
		B		7.49Y	124.9	0.02	1.09	110.44	14	802	204	97					0	0	0	120
		C		7.54Y	125.7	0.00	0.35	73.70	9	535	151	96					0	0	0	57
PL.21357	PL.42182	A	397ACSR	7.53Y	125.4	0.01	0.58	56.77	7	414	107	97	0.16	0.0	1.024	0.034	0	0	0	52
		B		7.49Y	124.9	0.03	1.12	107.69	13	784	193	97					0	0	0	119
		C		7.54Y	125.6	0.01	0.35	70.95	9	516	140	97					0	0	0	57
PL.200	PL.21357	A	397ACSR	7.52Y	125.4	0.04	0.62	56.77	7	414	107	97	0.48	0.0	1.123	0.099	0	0	0	52
		B		7.49Y	124.8	0.09	1.21	107.69	13	784	192	97					0	0	0	119
		C		7.54Y	125.6	0.02	0.37	70.95	9	516	140	97					0	0	0	57
PL.18018	PL.200	A	397ACSR	7.52Y	125.4	0.00	0.63	7.20	1	53	11	98	0.00	0.0	1.165	0.042	0	0	0	10
		B		7.49Y	124.8	0.00	1.21	6.48	1	47	11	98					0	0	0	5
		C		7.54Y	125.6	0.00	0.37	4.28	1	31	8	97					0	0	0	3
C PD.2826	PL.18018	A	fuse6AMP	7.52Y	125.4	0.00	0.63	7.20	123	53	11	98	0.00	0.0	1.165	0.000	0	0	0	10 C
C		B		7.49Y	124.8	0.00	1.21	6.48	111	47	11	98					0	0	0	5 C
		C		7.54Y	125.6	0.00	0.37	4.28	73	31	8	97					0	0	0	3
PL.18019	PD.2826	A	397ACSR	7.52Y	125.4	0.00	0.63	7.20	1	53	11	98	0.00	0.0	1.179	0.014	0	0	0	10
		B		7.49Y	124.8	0.00	1.21	6.48	1	47	11	98					0	0	0	5
		C		7.54Y	125.6	0.00	0.37	4.28	1	31	8	97					0	0	0	3
541911	PL.18019	C	Consumer	7.54Y	125.6	0.00	0.37	0.81	0	6	1	99	0.00	0.0	1.179	0.000	6	1	1	1
541904	PL.18019	C	Consumer	7.54Y	125.6	0.00	0.37	0.00	0	0	0	100	0.00	0.0	1.179	0.000	0	0	0	0
541908	PL.18019	C	Consumer	7.54Y	125.6	0.00	0.37	0.99	0	7	1	99	0.00	0.0	1.179	0.000	7	1	1	1
PL.19127	PL.18019	A	397ACSR	7.52Y	125.4	0.00	0.63	5.97	1	44	10	98	0.00	0.0	1.218	0.038	0	0	0	9
		B		7.49Y	124.8	0.00	1.22	6.48	1	47	11	98					0	0	0	5
		C		7.54Y	125.6	0.00	0.37	2.49	0	18	6	95					0	0	0	1
PL.19128	PL.19127	A	397ACSR	7.52Y	125.4	0.00	0.63	5.17	1	38	9	97	0.00	0.0	1.248	0.030	0	0	0	6
		B		7.49Y	124.8	0.00	1.22	6.48	1	47	11	98					0	0	0	5
		C		7.54Y	125.6	-0.00	0.37	2.49	0	18	6	95					0	0	0	1
541909	PL.19128	A	Consumer	7.52Y	125.4	0.00	0.63	0.55	0	4	1	97	0.00	0.0	1.248	0.000	4	1	1	1
541901	PL.19128	A	Consumer	7.52Y	125.4	0.00	0.63	0.13	0	1	0	100	0.00	0.0	1.248	0.000	1	0	1	1

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Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.26217	PL.19128	A	397ACSR	7.52Y	125.4	0.00	0.63	4.50	1	33	8	97	0.00	0.0	1.287	0.039	0	0	0	4
		B		7.49Y	124.8	0.00	1.22	6.48	1	47	10	98					0	0	0	5
		C		7.54Y	125.6	-0.00	0.37	2.49	0	18	6	95					0	0	0	1
PL.26218	PL.26217	A	397ACSR	7.52Y	125.4	0.00	0.64	4.50	1	33	8	97	0.00	0.0	1.377	0.089	0	0	0	4
		B		7.49Y	124.8	0.00	1.22	6.16	1	45	10	98					0	0	0	4
		C		7.54Y	125.6	-0.00	0.37	2.49	0	18	6	95					0	0	0	1
543001	PL.26218	B	Consumer	7.49Y	124.8	0.00	1.22	1.36	0	10	2	98	0.00	0.0	1.377	0.000	10	2	1	1
543003	PL.26218	B	Consumer	7.49Y	124.8	0.00	1.22	0.12	0	1	0	100	0.00	0.0	1.377	0.000	1	0	1	1
543002	PL.26218	B	Consumer	7.49Y	124.8	0.00	1.22	2.26	0	17	3	98	0.00	0.0	1.377	0.000	17	3	1	1
PL.26219	PL.26218	A	397ACSR	7.52Y	125.4	0.00	0.64	4.50	1	33	8	97	0.00	0.0	1.390	0.013	0	0	0	4
		B		7.49Y	124.8	0.00	1.22	2.44	0	17	6	95					0	0	0	1
		C		7.54Y	125.6	0.00	0.37	2.49	0	18	6	95					0	0	0	1
PL.18020	PL.26219	A	397ACSR	7.52Y	125.4	0.00	0.64	4.48	1	33	8	97	0.00	0.0	1.392	0.002	0	0	0	3
		B		7.49Y	124.8	-0.00	1.22	1.28	0	9	4	90					0	0	0	0
		C		7.54Y	125.6	0.00	0.37	2.49	0	18	6	95					0	0	0	1
PD.2532	PL.18020	A	fuse6AMP	7.52Y	125.4	0.00	0.64	4.48	77	33	8	97	0.00	0.0	1.392	0.000	0	0	0	3
		B		7.49Y	124.8	0.00	1.22	1.28	22	9	4	90					0	0	0	0
		C		7.54Y	125.6	0.00	0.37	2.49	42	18	6	95					0	0	0	1
PL.18021	PD.2532	A	397ACSR	7.52Y	125.4	0.00	0.64	4.48	1	33	8	97	0.00	0.0	1.438	0.045	0	0	0	3
		B		7.49Y	124.8	-0.00	1.22	1.28	0	9	4	90					0	0	0	0
		C		7.54Y	125.6	0.00	0.37	2.49	0	18	6	95					0	0	0	1
PL.7380	PL.18021	A	397ACSR	7.52Y	125.4	0.00	0.64	0.00	0	0	0	100	0.00	0.0	1.441	0.004	0	0	0	0
		B		7.49Y	124.8	0.00	1.22	0.00	0	0	0	100					0	0	0	0
		C		7.54Y	125.6	0.00	0.37	0.00	0	0	0	100					0	0	0	0
544002	PL.18021	A	Consumer	7.52Y	125.4	0.00	0.64	1.44	0	11	2	98	0.00	0.0	1.438	0.000	11	2	1	1
PL.24646	PL.18021	A	397ACSR	7.52Y	125.4	0.00	0.64	3.05	0	22	6	96	0.00	0.0	1.489	0.051	0	0	0	2
		B		7.49Y	124.8	0.00	1.22	1.28	0	9	4	90					0	0	0	0
		C		7.54Y	125.6	0.00	0.37	2.49	0	18	6	95					0	0	0	1
033409	PL.24646	A	Consumer	7.52Y	125.4	0.00	0.64	0.16	0	1	0	100	0.00	0.0	1.489	0.000	1	0	1	1
PL.26222	PL.24646	A	397ACSR	7.52Y	125.4	0.00	0.64	2.90	0	21	6	96	0.00	0.0	1.607	0.118	0	0	0	1
		B		7.49Y	124.8	0.00	1.22	1.28	0	9	4	90					0	0	0	0
		C		7.54Y	125.6	0.00	0.38	2.49	0	18	6	95					0	0	0	1
PL.20609	PL.26222	A	397ACSR	7.52Y	125.4	0.00	0.64	1.28	0	9	4	91	0.00	0.0	1.717	0.110	0	0	0	0
		B		7.49Y	124.8	0.00	1.22	1.28	0	9	4	90					0	0	0	0
		C		7.54Y	125.6	0.00	0.38	2.49	0	18	6	95					0	0	0	1
PL.20610	PL.20609	A	397ACSR	7.52Y	125.4	-0.00	0.64	0.00	0	0	0	100	0.00	0.0	1.739	0.022	0	0	0	0
		B		7.49Y	124.8	0.00	1.22	0.00	0	0	0	100					0	0	0	0
		C		7.54Y	125.6	0.00	0.38	1.24	0	9	2	99					0	0	0	1
PL.23868	PL.20610	C	4ACSR	7.54Y	125.6	0.01	0.39	1.24	1	9	2	98	0.00	0.0	1.955	0.215	0	0	0	1
034416	PL.23868	C	Consumer	7.54Y	125.6	0.00	0.39	1.24	0	9	2	98	0.00	0.0	1.955	0.000	9	2	1	1
034409	PL.20609	A	Consumer	7.52Y	125.4	0.00	0.64	1.28	0	9	4	91	0.00	0.0	1.717	0.000	9	4	0	0
		B		7.49Y	124.8	0.00	1.22	1.28	0	9	4	90					9	4	0	0
		C		7.54Y	125.6	0.00	0.38	1.27	0	9	4	90					9	4	0	0
033494	PL.26222	A	Consumer	7.52Y	125.4	0.00	0.64	1.65	0	12	2	99	0.00	0.0	1.607	0.000	12	2	1	1
PL.26220	PL.26219	A	4ACSR	7.52Y	125.4	0.00	0.64	0.02	0	0	0	100	0.00	0.0	1.438	0.048	0	0	0	1
PL.3525	PL.26220	A	4ACSR	7.52Y	125.4	0.00	0.64	0.02	0	0	0	100	0.00	0.0	1.585	0.147	0	0	0	1
545001	PL.3525	A	Consumer	7.52Y	125.4	0.00	0.64	0.02	0	0	0	100	0.00	0.0	1.585	0.000	0	0	1	1
545002	PL.3525	A	Consumer	7.52Y	125.4	0.00	0.64	0.00	0	0	0	100	0.00	0.0	1.585	0.000	0	0	0	0
PL.26221	PL.26220	A	4ACSR	7.52Y	125.4	0.00	0.64	0.00	0	0	0	100	0.00	0.0	1.538	0.101	0	0	0	0
544003	PL.26219	B	Consumer	7.49Y	124.8	0.00	1.22	1.18	0	9	1	99	0.00	0.0	1.390	0.000	9	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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
544001	PL.26219	B	Consumer	7.49Y	124.8	0.00	1.22	0.00	0	0	0	100	0.00	0.0	1.390	0.000	0	0	0	0	
542902	PL.26217	B	Consumer	7.49Y	124.8	0.00	1.22	0.31	0	2	0	100	0.00	0.0	1.287	0.000	2	0	1	1	
541912	PL.19127	A	Consumer	7.52Y	125.4	0.00	0.63	0.00	0	0	0	100	0.00	0.0	1.218	0.000	0	0	1	1	
541910	PL.19127	A	Consumer	7.52Y	125.4	0.00	0.63	0.00	0	0	0	100	0.00	0.0	1.218	0.000	0	0	1	1	
541907	PL.19127	A	Consumer	7.52Y	125.4	0.00	0.63	0.79	0	6	1	99	0.00	0.0	1.218	0.000	6	1	1	1	
PL.42930	PL.18019	A	4ACSR	7.52Y	125.4	0.00	0.63	1.24	1	9	2	98	0.00	0.0	1.185	0.006	0	0	0	1	
PD.8185	PL.42930	A	fuse6AMP	7.52Y	125.4	0.00	0.63	1.24	21	9	2	98	0.00	0.0	1.185	0.000	0	0	0	1	
PL.42931	PD.8185	A	4ACSR	7.52Y	125.4	0.00	0.63	1.24	1	9	2	98	0.00	0.0	1.230	0.045	0	0	0	1	
541913	PL.42931	A	Consumer	7.52Y	125.4	0.00	0.63	1.24	0	9	2	98	0.00	0.0	1.230	0.000	9	2	1	1	
PL.7385	PL.200	A	397ACSR	7.52Y	125.4	0.02	0.64	49.57	6	360	96	97	0.21	0.0	1.174	0.051	0	0	0	41	
		B		7.48Y	124.7	0.04	1.26	101.22	12	736	181	97					0	0	0	114	
		C		7.54Y	125.6	0.01	0.38	66.67	8	485	131	97					0	0	0	53	
PL.22353	PL.7385	C	4ACSR	7.54Y	125.6	0.00	0.38	5.68	3	42	7	99	0.00	0.0	1.181	0.007	0	0	0	4	
C PD.3488	PL.22353	C	fuse6AMP	7.54Y	125.6	0.00	0.38	5.68	97	42	7	99	0.00	0.0	1.181	0.000	0	0	0	4	C
PL.22354	PD.3488	C	4ACSR	7.54Y	125.6	0.01	0.38	5.68	3	42	7	99	0.00	0.0	1.210	0.030	0	0	0	4	
5418017	PL.22354	C	Consumer	7.54Y	125.6	0.00	0.38	0.00	0	0	0	100	0.00	0.0	1.210	0.000	0	0	0	0	
541807	PL.22354	C	Consumer	7.54Y	125.6	0.00	0.38	1.69	0	13	2	99	0.00	0.0	1.210	0.000	13	2	1	1	
541809	PL.22354	C	Consumer	7.54Y	125.6	0.00	0.38	1.04	0	8	1	99	0.00	0.0	1.210	0.000	8	1	1	1	
541805	PL.22354	C	Consumer	7.54Y	125.6	0.00	0.38	1.28	0	10	2	98	0.00	0.0	1.210	0.000	10	2	1	1	
541808	PL.22354	C	Consumer	7.54Y	125.6	0.00	0.38	0.00	0	0	0	100	0.00	0.0	1.210	0.000	0	0	0	0	
5418016	PL.22354	C	Consumer	7.54Y	125.6	0.00	0.38	0.00	0	0	0	100	0.00	0.0	1.210	0.000	0	0	0	0	
541806	PL.22354	C	Consumer	7.54Y	125.6	0.00	0.38	0.00	0	0	0	100	0.00	0.0	1.210	0.000	0	0	0	0	
541804	PL.22354	C	Consumer	7.54Y	125.6	0.00	0.38	1.67	0	12	2	99	0.00	0.0	1.210	0.000	12	2	1	1	
PL.19101	PL.7385	A	397ACSR	7.52Y	125.3	0.02	0.66	49.57	6	360	96	97	0.18	0.0	1.220	0.045	0	0	0	41	
		B		7.48Y	124.7	0.04	1.30	101.22	12	736	181	97					0	0	0	114	
		C		7.54Y	125.6	0.00	0.38	61.02	7	443	124	96					0	0	0	49	
541803	PL.19101	C	Consumer	7.54Y	125.6	0.00	0.38	0.21	0	2	0	100	0.00	0.0	1.220	0.000	2	0	1	1	
PL.19102	PL.19101	A	397ACSR	7.52Y	125.3	0.04	0.70	49.57	6	360	96	97	0.42	0.0	1.322	0.102	0	0	0	41	
		B		7.48Y	124.6	0.09	1.38	101.22	12	736	180	97					0	0	0	114	
		C		7.54Y	125.6	0.01	0.39	60.81	7	441	124	96					0	0	0	48	
PL.7386	PL.19102	A	397ACSR	7.52Y	125.3	0.01	0.71	49.57	6	360	96	97	0.10	0.0	1.346	0.024	0	0	0	41	
		B		7.48Y	124.6	0.02	1.40	101.22	12	735	179	97					0	0	0	114	
		C		7.54Y	125.6	0.00	0.39	60.81	7	441	124	96					0	0	0	48	
PL.7387	PL.7386	A	397ACSR	7.52Y	125.3	0.02	0.73	49.57	6	360	96	97	0.15	0.0	1.383	0.037	0	0	0	41	
		B		7.47Y	124.6	0.03	1.43	100.77	12	732	179	97					0	0	0	113	
		C		7.54Y	125.6	0.00	0.39	60.81	7	441	124	96					0	0	0	48	
PL.11272	PL.7387	A	397ACSR	7.51Y	125.1	0.12	0.85	49.57	6	360	96	97	1.21	0.1	1.684	0.301	0	0	0	41	
		B		7.46Y	124.3	0.25	1.69	100.77	12	732	178	97					0	0	0	113	
		C		7.53Y	125.6	0.03	0.42	60.77	7	441	123	96					0	0	0	47	
PL.11273	PL.11272	A	397ACSR	7.51Y	125.1	0.00	0.86	49.57	6	360	95	97	0.00	0.0	1.685	0.000	0	0	0	41	
		B		7.46Y	124.3	0.00	1.69	100.77	12	731	176	97					0	0	0	113	
		C		7.53Y	125.6	0.00	0.42	60.77	7	441	123	96					0	0	0	47	
PL.18612	PL.11273	A	397ACSR	7.51Y	125.1	0.05	0.91	49.57	6	360	95	97	0.52	0.0	1.815	0.130	0	0	0	41	
		B		7.45Y	124.2	0.11	1.80	100.77	12	731	176	97					0	0	0	113	
		C		7.53Y	125.6	0.01	0.43	59.71	7	433	121	96					0	0	0	44	

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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.187-A	PL.18612	A	Closed	7.51Y	125.1	0.00	0.91	49.57	0	360	95	97	0.00	0.0	1.815	0.000	0	0	0	41
		B		7.45Y	124.2	0.00	1.80	100.77	0	730	175	97					0	0	0	113
		C		7.53Y	125.6	0.00	0.43	59.71	0	433	121	96					0	0	0	44
PD.187-B	PD.187-A	A	Closed	7.51Y	125.1	0.00	0.91	49.57	0	360	95	97	0.00	0.0	1.815	0.000	0	0	0	41
		B		7.45Y	124.2	0.00	1.80	100.77	0	730	175	97					0	0	0	113
		C		7.53Y	125.6	0.00	0.43	59.71	0	433	121	96					0	0	0	44
PL.18613	PD.187-B	A	397ACSR	7.51Y	125.1	0.01	0.92	49.57	6	360	95	97	0.06	0.0	1.829	0.015	0	0	0	41
		B		7.45Y	124.2	0.01	1.81	100.77	12	730	175	97					0	0	0	113
		C		7.53Y	125.6	0.00	0.43	59.71	7	433	121	96					0	0	0	44
546503	PL.18613	A	Consumer	7.51Y	125.1	0.00	0.92	0.48	0	4	1	97	0.00	0.0	1.829	0.000	4	1	1	1
PL.7377	PL.18613	A	1/0ACSR	7.50Y	125.0	0.09	1.01	49.04	15	356	95	97	1.35	0.1	1.924	0.095	0	0	0	40
		B		7.44Y	124.0	0.19	2.00	100.71	31	730	175	97					0	0	0	113
		C		7.53Y	125.5	0.06	0.49	58.24	18	423	116	96					0	0	0	43
PL.19726	PL.7377	A	1/0ACSR	7.50Y	124.9	0.06	1.07	49.04	15	355	95	97	0.79	0.1	1.981	0.057	0	0	0	40
		B		7.43Y	123.9	0.12	2.12	100.71	31	729	174	97					0	0	0	113
		C		7.53Y	125.5	0.03	0.52	53.81	16	391	105	97					0	0	0	40
547508	PL.19726	C	Consumer	7.53Y	125.5	0.00	0.52	0.21	0	1	1	71	0.00	0.0	1.981	0.000	1	1	1	1
PL.19727	PL.19726	A	1/0ACSR	7.49Y	124.9	0.04	1.10	49.04	15	355	95	97	0.51	0.0	2.018	0.037	0	0	0	40
		B		7.43Y	123.8	0.07	2.19	100.71	31	728	173	97					0	0	0	113
		C		7.53Y	125.5	0.02	0.53	53.60	16	390	104	97					0	0	0	39
PL.7388	PL.19727	A	1/0ACSR	7.49Y	124.9	0.05	1.15	48.46	15	351	94	97	0.63	0.0	2.063	0.046	0	0	0	39
		B		7.42Y	123.7	0.09	2.29	100.71	31	728	173	97					0	0	0	113
		C		7.53Y	125.4	0.02	0.55	53.60	16	390	104	97					0	0	0	39
548502	PL.7388	B	Consumer	7.42Y	123.7	0.00	2.29	1.21	0	9	1	99	0.00	0.0	2.063	0.000	9	1	1	1
PL.21302	PL.7388	A	1/0ACSR	7.49Y	124.8	0.07	1.21	48.46	15	351	94	97	0.90	0.1	2.130	0.067	0	0	0	39
		B		7.41Y	123.6	0.13	2.42	99.50	30	719	171	97					0	0	0	112
		C		7.52Y	125.4	0.03	0.59	53.60	16	390	104	97					0	0	0	39
549605	PL.21302	C	Consumer	7.52Y	125.4	0.00	0.59	0.00	0	0	0	100	0.00	0.0	2.130	0.000	0	0	0	0
5496007	PL.21302	B	Consumer	7.41Y	123.6	0.00	2.42	0.00	0	0	0	100	0.00	0.0	2.130	0.000	0	0	0	0
549601	PL.21302	A	Consumer	7.49Y	124.8	0.00	1.21	1.10	0	7	4	87	0.00	0.0	2.130	0.000	7	4	1	1
		C		7.52Y	125.4	0.00	0.59	1.10	0	7	4	90					7	4	1	1
PL.21303	PL.21302	A	1/0ACSR	7.48Y	124.7	0.06	1.27	47.37	14	343	90	97	0.83	0.1	2.192	0.062	0	0	0	39
		B		7.41Y	123.5	0.13	2.55	99.50	30	718	170	97					0	0	0	112
		C		7.52Y	125.4	0.03	0.61	52.52	16	382	100	97					0	0	0	39
549604	PL.21303	C	Consumer	7.52Y	125.4	0.00	0.61	1.10	0	8	1	99	0.00	0.0	2.192	0.000	8	1	1	1
549603	PL.21303	C	Consumer	7.52Y	125.4	0.00	0.61	1.23	0	9	1	99	0.00	0.0	2.192	0.000	9	1	1	1
PL.7384	PL.21303	A	1/0ACSR	7.48Y	124.7	0.07	1.34	47.37	14	343	90	97	0.89	0.1	2.260	0.068	0	0	0	39
		B		7.40Y	123.3	0.14	2.68	99.50	30	717	169	97					0	0	0	112
		C		7.52Y	125.4	0.03	0.64	50.20	15	365	97	97					0	0	0	37
PL.24644	PL.7384	A	1/0ACSR	7.47Y	124.6	0.08	1.42	47.37	14	343	90	97	1.10	0.1	2.343	0.084	0	0	0	39
		B		7.39Y	123.2	0.17	2.85	99.50	30	717	169	97					0	0	0	112
		C		7.52Y	125.3	0.03	0.67	49.52	15	360	96	97					0	0	0	36
034406	PL.24644	B	Consumer	7.39Y	123.2	0.00	2.85	0.00	0	0	0	100	0.00	0.0	2.343	0.000	0	0	1	1
PL.11279	PL.24644	A	1/0ACSR	7.47Y	124.5	0.10	1.52	47.37	14	342	90	97	1.31	0.1	2.443	0.100	0	0	0	39
		B		7.38Y	123.0	0.20	3.05	99.50	30	716	168	97					0	0	0	111
		C		7.52Y	125.3	0.04	0.71	49.52	15	360	96	97					0	0	0	36
PL.17996	PL.11279	A	1/0ACSR	7.46Y	124.4	0.09	1.62	45.64	14	329	88	97	1.25	0.1	2.540	0.096	0	0	0	36
		B		7.37Y	122.8	0.19	3.24	99.50	30	715	167	97					0	0	0	111
		C		7.51Y	125.2	0.04	0.75	49.52	15	360	96	97					0	0	0	36
034415	PL.17996	C	Consumer	7.51Y	125.2	0.00	0.75	0.01	0	0	0	100	0.00	0.0	2.540	0.000	0	0	1	1
PL.21525	PL.17996	A	1/0ACSR	7.46Y	124.3	0.08	1.70	45.64	14	329	88	97	1.06	0.1	2.621	0.082	0	0	0	36
		B		7.36Y	122.6	0.16	3.41	99.50	30	714	165	97					0	0	0	111
		C		7.51Y	125.2	0.03	0.78	49.51	15	360	95	97					0	0	0	35

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.21102	PL.21525	A	4ACSR	7.46Y	124.3	0.00	1.70	0.48	0	4	1	97	0.00	0.0	2.641	0.020	0	0	0	1
PL.31913	PL.21102	A	4ACSR	7.46Y	124.3	0.00	1.70	0.00	0	0	0	100	0.00	0.0	2.682	0.041	0	0	0	0
0344020	PL.31913	A	Consumer	7.46Y	124.3	0.00	1.70	0.00	0	0	0	100	0.00	0.0	2.682	0.000	0	0	0	0
034417	PL.21102	A	Consumer	7.46Y	124.3	0.00	1.70	0.48	0	4	1	97	0.00	0.0	2.641	0.000	4	1	1	1
PL.21101	PL.21525	A	4ACSR	7.46Y	124.3	0.00	1.70	0.61	0	4	1	97	0.00	0.0	2.646	0.024	0	0	0	2
034419	PL.21101	A	Consumer	7.46Y	124.3	0.00	1.70	0.03	0	0	0	100	0.00	0.0	2.646	0.000	0	0	1	1
034414	PL.21101	A	Consumer	7.46Y	124.3	0.00	1.70	0.58	0	4	1	97	0.00	0.0	2.646	0.000	4	1	1	1
PL.41513	PL.21525	A	1/0ACSR	7.45Y	124.2	0.07	1.76	44.55	14	321	86	97	0.94	0.1	2.694	0.073	0	0	0	33
		B		7.35Y	122.4	0.15	3.55	99.50	30	713	165	97					0	0	0	111
		C		7.51Y	125.2	0.03	0.81	49.51	15	360	95	97					0	0	0	35
PL.41514	PL.41513	A	1/0ACSR	7.45Y	124.2	0.06	1.83	44.55	14	321	86	97	0.88	0.1	2.762	0.068	0	0	0	33
		B		7.34Y	122.3	0.14	3.69	99.50	30	712	164	97					0	0	0	111
		C		7.51Y	125.2	0.03	0.83	49.51	15	360	95	97					0	0	0	35
PL.18471	PL.41514	A	1/0ACSR	7.43Y	123.9	0.32	2.15	44.55	14	321	86	97	4.42	0.3	3.104	0.342	0	0	0	33
		B		7.30Y	121.6	0.69	4.38	99.50	30	712	163	97					0	0	0	111
		C		7.50Y	125.0	0.13	0.96	49.51	15	360	95	97					0	0	0	35
PD.284-A	PL.18471	A	Closed	7.43Y	123.9	0.00	2.15	44.55	0	320	86	97	0.00	0.0	3.104	0.000	0	0	0	33
		B		7.30Y	121.6	0.00	4.38	99.50	0	708	159	98					0	0	0	111
		C		7.50Y	125.0	0.00	0.96	49.51	0	359	94	97					0	0	0	35
PD.284-B	PD.284-A	A	Closed	7.43Y	123.9	0.00	2.15	44.55	0	320	86	97	0.00	0.0	3.104	0.000	0	0	0	33
		B		7.30Y	121.6	0.00	4.38	99.50	0	708	159	98					0	0	0	111
		C		7.50Y	125.0	0.00	0.96	49.51	0	359	94	97					0	0	0	35
PL.18472	PD.284-B	A	1/0ACSR	7.43Y	123.8	0.06	2.21	44.55	14	320	86	97	0.87	0.1	3.171	0.067	0	0	0	33
		B		7.29Y	121.5	0.14	4.52	99.50	30	708	159	98					0	0	0	111
		C		7.50Y	125.0	0.03	0.99	49.51	15	359	94	97					0	0	0	35
PL.11280	PL.18472	A	1/0ACSR	7.42Y	123.7	0.07	2.28	44.55	14	320	86	97	0.90	0.1	3.245	0.074	0	0	0	33
		B		7.28Y	121.3	0.14	4.66	95.39	29	678	155	97					0	0	0	106
		C		7.50Y	125.0	0.03	1.02	49.51	15	359	94	97					0	0	0	35
PL.2119	PL.11280	A	1/0ACSR	7.42Y	123.7	0.00	2.28	0.00	0	0	0	100	0.00	0.0	3.275	0.030	0	0	0	0
		B		7.28Y	121.3	0.00	4.66	0.00	0	0	0	100					0	0	0	0
		C		7.50Y	125.0	0.00	1.02	0.00	0	0	0	100					0	0	0	0
PL.11281	PL.11280	A	1/0ACSR	7.42Y	123.7	0.03	2.31	44.55	14	319	86	97	0.35	0.0	3.274	0.029	0	0	0	33
		B		7.28Y	121.3	0.06	4.72	95.39	29	677	154	97					0	0	0	106
		C		7.50Y	125.0	0.01	1.03	49.51	15	359	94	97					0	0	0	35
PL.46105	PL.11281	A	1/0ACSR	7.42Y	123.7	0.03	2.34	44.53	13	319	86	97	0.38	0.0	3.305	0.031	0	0	0	32
		B		7.27Y	121.2	0.06	4.78	95.39	29	677	154	98					0	0	0	106
		C		7.50Y	125.0	0.01	1.04	49.51	15	359	94	97					0	0	0	35
C PD.3101	PL.46105	A	50V4E	7.42Y	123.7	0.00	2.34	44.53	89	319	86	97	0.00	0.0	3.305	0.000	0	0	0	32 C
C		B		7.27Y	121.2	0.00	4.78	95.39	191	677	154	98					0	0	0	106 C
C		C		7.50Y	125.0	0.00	1.04	49.51	99	359	94	97					0	0	0	35 C
PL.46106	PD.3101	A	1/0ACSR	7.42Y	123.6	0.03	2.36	44.53	13	319	86	97	0.36	0.0	3.335	0.030	0	0	0	32
		B		7.27Y	121.2	0.06	4.83	95.39	29	677	154	98					0	0	0	106
		C		7.50Y	124.9	0.01	1.05	49.51	15	359	94	97					0	0	0	35
035433	PL.46106	A	Consumer	7.42Y	123.6	0.00	2.36	0.00	0	0	0	100	0.00	0.0	3.335	0.000	0	0	1	1
PL.11283	PL.46106	A	1/0ACSR	7.41Y	123.5	0.09	2.46	44.53	13	319	86	97	1.23	0.1	3.437	0.102	0	0	0	31
		B		7.26Y	121.0	0.20	5.03	95.39	29	676	153	98					0	0	0	106
		C		7.49Y	124.9	0.04	1.10	49.51	15	359	94	97					0	0	0	35
0354101	PL.11283	C	Consumer	7.49Y	124.9	0.00	1.10	2.05	0	15	2	99	0.00	0.0	3.437	0.000	15	2	1	1
PL.11284	PL.11283	A	1/0ACSR	7.41Y	123.5	0.05	2.51	44.53	13	319	86	97	0.64	0.0	3.490	0.053	0	0	0	31
		B		7.25Y	120.9	0.10	5.13	95.39	29	675	152	98					0	0	0	106
		C		7.49Y	124.9	0.02	1.12	47.47	14	344	91	97					0	0	0	34
PL.17423	PL.11284	C	4ACSR	7.49Y	124.9	0.00	1.12	16.58	9	123	20	99	0.00	0.0	3.495	0.005	0	0	0	19

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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.3103	PL.17423	C	25L	7.49Y	124.9	0.00	1.12	16.58	66	123	20	99	0.00	0.0	3.495	0.000	0	0	0	19
PL.17424	PD.3103	C	4ACSR	7.49Y	124.8	0.04	1.16	16.58	9	123	20	99	0.04	0.0	3.552	0.056	0	0	0	19
PL.21702	PL.17424	C	4ACSR	7.49Y	124.8	0.00	1.16	3.99	2	30	5	99	0.00	0.0	3.555	0.004	0	0	0	2
PD.2667	PL.21702	C	fuse6AMP	7.49Y	124.8	0.00	1.16	3.99	68	30	5	99	0.00	0.0	3.555	0.000	0	0	0	2
PL.21703	PD.2667	C	4ACSR	7.49Y	124.8	0.00	1.17	3.99	2	30	5	99	0.00	0.0	3.584	0.029	0	0	0	2
PL.2046	PL.21703	C	4ACSR	7.49Y	124.8	0.00	1.17	0.00	0	0	0	100	0.00	0.0	3.587	0.002	0	0	0	0
035486	PL.21703	C	Consumer	7.49Y	124.8	0.00	1.17	1.85	0	14	2	99	0.00	0.0	3.584	0.000	14	2	1	1
035410	PL.21703	C	Consumer	7.49Y	124.8	0.00	1.17	2.14	0	16	3	98	0.00	0.0	3.584	0.000	16	3	1	1
PL.11485	PL.17424	C	4ACSR	7.49Y	124.8	0.07	1.23	12.59	6	93	15	99	0.05	0.1	3.679	0.127	0	0	0	17
035412	PL.11485	C	Consumer	7.49Y	124.8	0.00	1.23	0.34	0	3	0	100	0.00	0.0	3.679	0.000	3	0	1	1
PL.11486	PL.11485	C	4ACSR	7.48Y	124.7	0.02	1.25	6.00	3	44	7	99	0.01	0.0	3.771	0.092	0	0	0	10
035473	PL.11486	C	Consumer	7.48Y	124.7	0.00	1.25	0.66	0	5	1	98	0.00	0.0	3.771	0.000	5	1	1	1
035474	PL.11486	C	Consumer	7.48Y	124.7	0.00	1.25	0.91	0	7	1	99	0.00	0.0	3.771	0.000	7	1	1	1
PL.11940	PL.11486	C	4ACSR	7.48Y	124.7	0.01	1.26	4.42	2	33	5	99	0.00	0.0	3.811	0.041	0	0	0	8
PL.19695	PL.11940	C	4ACSR	7.48Y	124.7	0.01	1.27	4.20	2	31	5	99	0.00	0.0	3.865	0.054	0	0	0	6
035414	PL.19695	C	Consumer	7.48Y	124.7	0.00	1.27	0.01	0	0	0	100	0.00	0.0	3.865	0.000	0	0	1	1
PL.19696	PL.19695	C	4ACSR	7.48Y	124.7	0.03	1.30	4.20	2	31	5	99	0.01	0.0	4.007	0.142	0	0	0	5
PL.1834	PL.19696	C	4ACSR	7.48Y	124.7	0.00	1.30	0.60	0	4	1	97	0.00	0.0	4.079	0.072	0	0	0	1
035470	PL.1834	C	Consumer	7.48Y	124.7	0.00	1.30	0.60	0	4	1	97	0.00	0.0	4.079	0.000	4	1	1	1
PL.11941	PL.19696	C	4ACSR	7.48Y	124.7	0.01	1.30	3.60	2	27	4	99	0.00	0.0	4.058	0.052	0	0	0	4
PL.11942	PL.11941	C	4ACSR	7.48Y	124.7	0.01	1.32	3.34	2	25	4	99	0.00	0.0	4.143	0.085	0	0	0	3
PL.1833	PL.11942	C	4ACSR	7.48Y	124.7	0.00	1.32	0.48	0	4	1	97	0.00	0.0	4.218	0.074	0	0	0	1
036413	PL.1833	C	Consumer	7.48Y	124.7	0.00	1.32	0.48	0	4	1	97	0.00	0.0	4.218	0.000	4	1	1	1
036404	PL.11942	C	Consumer	7.48Y	124.7	0.00	1.32	2.42	0	18	3	99	0.00	0.0	4.143	0.000	18	3	1	1
PL.6405	PL.11942	C	4ACSR	7.48Y	124.7	0.00	1.32	0.43	0	3	1	95	0.00	0.0	4.194	0.051	0	0	0	1
PL.6406	PL.6405	C	4ACSR	7.48Y	124.7	0.00	1.32	0.00	0	0	0	100	0.00	0.0	4.518	0.324	0	0	0	0
PL.6381	PL.6406	C	4ACSR	7.48Y	124.7	0.00	1.32	0.00	0	0	0	100	0.00	0.0	4.771	0.253	0	0	0	0
036431	PL.6405	C	Consumer	7.48Y	124.7	0.00	1.32	0.43	0	3	1	95	0.00	0.0	4.194	0.000	3	1	1	1
PL.1835	PL.11941	C	4ACSR	7.48Y	124.7	0.00	1.31	0.26	0	2	0	100	0.00	0.0	4.119	0.061	0	0	0	1
036420	PL.1835	C	Consumer	7.48Y	124.7	0.00	1.31	0.26	0	2	0	100	0.00	0.0	4.119	0.000	2	0	1	1
PL.6383	PL.11940	C	4ACSR	7.48Y	124.7	0.00	1.26	0.21	0	2	0	100	0.00	0.0	3.917	0.105	0	0	0	1
PL.6384	PL.6383	C	4ACSR	7.48Y	124.7	0.00	1.26	0.21	0	2	0	100	0.00	0.0	4.027	0.110	0	0	0	1
036405	PL.6384	C	Consumer	7.48Y	124.7	0.00	1.26	0.21	0	2	0	100	0.00	0.0	4.027	0.000	2	0	1	1
035469	PL.11940	C	Consumer	7.48Y	124.7	0.00	1.26	0.01	0	0	0	100	0.00	0.0	3.811	0.000	0	0	1	1
PL.6401	PL.11485	C	4ACSR	7.49Y	124.8	0.01	1.24	3.13	2	23	4	99	0.00	0.0	3.754	0.076	0	0	0	3
035488	PL.6401	C	Consumer	7.49Y	124.8	0.00	1.24	1.63	0	12	2	99	0.00	0.0	3.754	0.000	12	2	1	1
PL.6402	PL.6401	C	4ACSR	7.49Y	124.8	0.00	1.24	1.50	1	11	2	98	0.00	0.0	3.818	0.064	0	0	0	2
PL.2114	PL.6402	C	4ACSR	7.49Y	124.8	0.00	1.24	0.52	0	4	1	97	0.00	0.0	3.856	0.038	0	0	0	1

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
035497	PL.2114	C	Consumer	7.49Y	124.8	0.00	1.24	0.52	0	4	1	97	0.00	0.0	3.856	0.000	4	1	1	1
035413	PL.6402	C	Consumer	7.49Y	124.8	0.00	1.24	0.98	0	7	1	99	0.00	0.0	3.818	0.000	7	1	1	1
PL.11487	PL.11485	C	4ACSR	7.49Y	124.8	0.00	1.23	3.12	2	23	4	99	0.00	0.0	3.710	0.032	0	0	0	3
PL.11939	PL.11487	C	4ACSR	7.49Y	124.8	0.01	1.25	2.65	1	20	3	99	0.00	0.0	3.825	0.114	0	0	0	2
035457	PL.11939	C	Consumer	7.49Y	124.8	0.00	1.25	1.03	0	8	1	99	0.00	0.0	3.825	0.000	8	1	1	1
035428	PL.11939	C	Consumer	7.49Y	124.8	0.00	1.25	1.62	0	12	2	99	0.00	0.0	3.825	0.000	12	2	1	1
PL.2051	PL.11487	C	4ACSR	7.49Y	124.8	0.00	1.23	0.46	0	3	1	95	0.00	0.0	3.752	0.042	0	0	0	1
035485	PL.2051	C	Consumer	7.49Y	124.8	0.00	1.23	0.46	0	3	1	95	0.00	0.0	3.752	0.000	3	1	1	1
PL.18410	PL.11284	A	1/0ACSR	7.40Y	123.4	0.12	2.62	44.53	13	319	86	97	1.18	0.1	3.596	0.106	0	0	0	31
		B		7.24Y	120.7	0.20	5.33	95.39	29	675	152	98					0	0	0	106
		C		7.49Y	124.9	0.00	1.12	31.01	9	221	71	95					0	0	0	15
PL.18411	PL.18410	A	1/0ACSR	7.40Y	123.3	0.06	2.68	44.53	13	318	86	97	0.59	0.0	3.649	0.053	0	0	0	31
		B		7.23Y	120.6	0.10	5.42	95.39	29	674	151	98					0	0	0	106
		C		7.49Y	124.9	0.00	1.12	31.01	9	221	71	95					0	0	0	15
PL.18780	PL.18411	B	4ACSR	7.23Y	120.6	0.00	5.42	2.27	1	16	3	98	0.00	0.0	3.659	0.010	0	0	0	3
PD.541	PL.18780	B	fuse6AMP	7.23Y	120.6	0.00	5.42	2.27	39	16	3	98	0.00	0.0	3.659	0.000	0	0	0	3
PL.18781	PD.541	B	4ACSR	7.23Y	120.6	0.00	5.43	2.27	1	16	3	98	0.00	0.0	3.681	0.023	0	0	0	3
PL.2121	PL.18781	B	4ACSR	7.23Y	120.6	0.00	5.43	0.59	0	4	1	97	0.00	0.0	3.721	0.040	0	0	0	1
035403	PL.2121	B	Consumer	7.23Y	120.6	0.00	5.43	0.59	0	4	1	97	0.00	0.0	3.721	0.000	4	1	1	1
PL.2122	PL.18781	B	4ACSR	7.23Y	120.6	0.00	5.43	1.30	1	9	2	98	0.00	0.0	3.745	0.063	0	0	0	1
035490	PL.2122	B	Consumer	7.23Y	120.6	0.00	5.43	1.30	0	9	2	98	0.00	0.0	3.745	0.000	9	2	1	1
PL.11943	PL.18781	B	4ACSR	7.23Y	120.6	0.00	5.43	0.38	0	3	0	100	0.00	0.0	3.764	0.083	0	0	0	1
PL.6387	PL.11943	B	4ACSR	7.23Y	120.6	0.00	5.43	0.38	0	3	0	100	0.00	0.0	3.764	0.000	0	0	0	1
035442	PL.6387	B	Consumer	7.23Y	120.6	0.00	5.43	0.38	0	3	0	100	0.00	0.0	3.764	0.000	3	0	1	1
PL.11944	PL.18411	A	1/0ACSR	7.40Y	123.3	0.04	2.72	44.53	13	318	86	97	0.36	0.0	3.682	0.034	0	0	0	31
		B		7.23Y	120.5	0.06	5.48	93.12	28	657	148	98					0	0	0	103
		C		7.49Y	124.9	0.00	1.12	31.01	9	221	71	95					0	0	0	15
PL.28107	PL.11944	C	4ACSR	7.49Y	124.9	0.00	1.12	4.57	2	34	6	98	0.00	0.0	3.689	0.006	0	0	0	4
PD.542	PL.28107	C	fuse6AMP	7.49Y	124.9	0.00	1.12	4.57	78	34	6	98	0.00	0.0	3.689	0.000	0	0	0	4
PL.28108	PD.542	C	4ACSR	7.49Y	124.9	0.01	1.13	4.57	2	34	6	98	0.00	0.0	3.724	0.035	0	0	0	4
035459	PL.28108	C	Consumer	7.49Y	124.9	0.00	1.13	2.04	0	15	2	99	0.00	0.0	3.724	0.000	15	2	1	1
035461	PL.28108	C	Consumer	7.49Y	124.9	0.00	1.13	1.11	0	8	1	99	0.00	0.0	3.724	0.000	8	1	1	1
035487	PL.28108	C	Consumer	7.49Y	124.9	0.00	1.13	0.29	0	2	0	100	0.00	0.0	3.724	0.000	2	0	1	1
035462	PL.28108	C	Consumer	7.49Y	124.9	0.00	1.13	1.13	0	8	1	99	0.00	0.0	3.724	0.000	8	1	1	1
035481	PL.28108	C	Consumer	7.49Y	124.9	0.00	1.13	0.00	0	0	0	100	0.00	0.0	3.724	0.000	0	0	0	0
PL.11945	PL.11944	A	1/0ACSR	7.39Y	123.1	0.19	2.91	44.53	13	318	86	97	1.75	0.2	3.848	0.166	0	0	0	31
		B		7.21Y	120.2	0.29	5.78	93.12	28	657	147	98					0	0	0	103
		C		7.49Y	124.9	-0.01	1.11	26.50	8	188	65	94					0	0	0	11
PL.11946	PL.11945	A	1/0ACSR	7.38Y	123.0	0.09	2.99	44.53	13	318	85	97	0.79	0.1	3.924	0.076	0	0	0	31
		B		7.21Y	120.1	0.13	5.91	93.12	28	656	145	98					0	0	0	103
		C		7.49Y	124.9	-0.01	1.10	23.69	7	167	62	94					0	0	0	8
035438	PL.11946	C	Consumer	7.49Y	124.9	0.00	1.10	0.58	0	4	1	97	0.00	0.0	3.924	0.000	4	1	1	1
035494	PL.11946	C	Consumer	7.49Y	124.9	0.00	1.10	2.14	0	16	3	98	0.00	0.0	3.924	0.000	16	3	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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.11947	PL.11946	A	1/0ACSR	7.37Y	122.9	0.14	3.13	44.53	13	317	85	97	1.22	0.1	4.041	0.117	0	0	0	31
		B		7.19Y	119.9	0.20	6.11	93.12	28	655	145	98					0	0	0	103
		C		7.50Y	124.9	-0.02	1.08	21.03	6	146	58	93					0	0	0	6
PL.11951	PL.11947	A	1/0ACSR	7.37Y	122.8	0.05	3.18	44.53	13	317	85	97	0.45	0.0	4.085	0.044	0	0	0	31
		B		7.19Y	119.8	0.08	6.19	92.96	28	653	143	98					0	0	0	102
		C		7.50Y	124.9	-0.01	1.07	21.03	6	146	58	93					0	0	0	6
PL.11952	PL.11951	A	1/0ACSR	7.37Y	122.8	0.04	3.22	35.97	11	260	53	98	0.30	0.0	4.120	0.035	0	0	0	28
		B		7.19Y	119.8	0.06	6.24	85.23	26	602	112	98					0	0	0	100
		C		7.50Y	124.9	-0.01	1.06	13.26	4	96	27	96					0	0	0	3
036401	PL.11952	B	Consumer	7.19Y	119.8	0.00	6.24	0.25	0	2	0	100	0.00	0.0	4.120	0.000	2	0	1	1
036402	PL.11952	B	Consumer	7.19Y	119.8	0.00	6.24	0.47	0	3	1	95	0.00	0.0	4.120	0.000	3	1	1	1
036414	PL.11952	B	Consumer	7.19Y	119.8	0.00	6.24	0.71	0	5	1	98	0.00	0.0	4.120	0.000	5	1	1	1
036421	PL.11952	B	Consumer	7.19Y	119.8	0.00	6.24	0.53	0	4	1	97	0.00	0.0	4.120	0.000	4	1	1	1
PL.11948	PL.11952	A	1/0ACSR	7.36Y	122.7	0.05	3.27	35.97	11	260	53	98	0.37	0.0	4.167	0.047	0	0	0	28
		B		7.18Y	119.7	0.07	6.31	83.27	25	588	109	98					0	0	0	96
		C		7.50Y	125.0	-0.02	1.04	13.26	4	96	27	96					0	0	0	3
PL.20575	PL.11948	A	1/0ACSR	7.36Y	122.7	0.02	3.29	35.97	11	260	53	98	0.18	0.0	4.189	0.022	0	0	0	28
		B		7.18Y	119.7	0.03	6.35	83.27	25	588	109	98					0	0	0	96
		C		7.50Y	125.0	-0.01	1.03	13.26	4	96	27	96					0	0	0	3
PD.280-A	PL.20575	A	Closed	7.36Y	122.7	0.00	3.29	35.97	0	259	53	98	0.00	0.0	4.189	0.000	0	0	0	28
		B		7.18Y	119.7	0.00	6.35	83.27	0	588	108	98					0	0	0	96
		C		7.50Y	125.0	0.00	1.03	13.26	0	96	27	96					0	0	0	3
PD.280-B	PD.280-A	A	Closed	7.36Y	122.7	0.00	3.29	35.97	0	259	53	98	0.00	0.0	4.189	0.000	0	0	0	28
		B		7.18Y	119.7	0.00	6.35	83.27	0	588	108	98					0	0	0	96
		C		7.50Y	125.0	0.00	1.03	13.26	0	96	27	96					0	0	0	3
PL.20576	PD.280-B	A	1/0ACSR	7.36Y	122.7	0.03	3.32	35.97	11	259	53	98	0.24	0.0	4.219	0.030	0	0	0	28
		B		7.18Y	119.6	0.05	6.39	83.27	25	588	108	98					0	0	0	96
		C		7.50Y	125.0	-0.01	1.02	13.26	4	96	27	96					0	0	0	3
PL.11950	PL.20576	A	1/0ACSR	7.36Y	122.7	0.01	3.33	34.44	10	248	51	98	0.09	0.0	4.230	0.012	0	0	0	25
		B		7.18Y	119.6	0.02	6.41	83.27	25	588	108	98					0	0	0	96
		C		7.50Y	125.0	-0.00	1.02	13.26	4	96	27	96					0	0	0	3
PL.18257	PL.11950	B	4ACSR	7.17Y	119.6	0.01	6.42	49.70	26	351	61	99	0.03	0.0	4.236	0.005	0	0	0	68
C PD.1277	PL.18257	B	fuse6AMP	7.17Y	119.6	0.00	6.42	49.70	849	351	61	99	0.00	0.0	4.236	0.000	0	0	0	68 C
PL.18258	PD.1277	B	4ACSR	7.16Y	119.3	0.31	6.74	49.70	26	351	61	99	0.86	0.2	4.382	0.146	0	0	0	68
035305	PL.18258	B	Consumer	7.16Y	119.3	0.00	6.74	0.41	0	3	0	100	0.00	0.0	4.382	0.000	3	0	1	1
035311	PL.18258	B	Consumer	7.16Y	119.3	0.00	6.74	0.44	0	3	1	95	0.00	0.0	4.382	0.000	3	1	1	1
PL.11949	PL.18258	B	4ACSR	7.15Y	119.2	0.05	6.79	48.84	25	344	59	99	0.15	0.0	4.408	0.026	0	0	0	66
PL.21592	PL.11949	B	4ACSR	7.15Y	119.2	0.01	6.80	48.84	25	344	59	99	0.03	0.0	4.413	0.005	0	0	0	66
C PD.3512	PL.21592	B	25V4E	7.15Y	119.2	0.00	6.80	48.84	195	344	59	99	0.00	0.0	4.413	0.000	0	0	0	66 C
PL.21593	PD.3512	B	4ACSR	7.14Y	119.0	0.21	7.02	48.84	25	344	59	99	0.57	0.2	4.514	0.101	0	0	0	66
PL.2099	PL.21593	B	4ACSR	7.14Y	119.0	0.00	7.02	1.67	1	12	2	99	0.00	0.0	4.550	0.036	0	0	0	2
035364	PL.2099	B	Consumer	7.14Y	119.0	0.00	7.02	0.96	0	7	1	99	0.00	0.0	4.550	0.000	7	1	1	1
0353073	PL.2099	B	Consumer	7.14Y	119.0	0.00	7.02	0.72	0	5	1	98	0.00	0.0	4.550	0.000	5	1	1	1
PL.11972	PL.21593	B	4ACSR	7.14Y	119.0	0.00	7.02	2.95	2	21	3	99	0.00	0.0	4.545	0.030	0	0	0	4
PL.11973	PL.11972	B	4ACSR	7.14Y	119.0	0.00	7.02	0.26	0	2	0	100	0.00	0.0	4.577	0.033	0	0	0	2
035357	PL.11973	B	Consumer	7.14Y	119.0	0.00	7.02	0.00	0	0	0	100	0.00	0.0	4.577	0.000	0	0	1	1
035308	PL.11973	B	Consumer	7.14Y	119.0	0.00	7.02	0.26	0	2	0	100	0.00	0.0	4.577	0.000	2	0	1	1

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.2093	PL.11972	B	4ACSR	7.14Y	119.0	0.00	7.02	2.69	1	19	3	99	0.00	0.0	4.570	0.026	0	0	0	2
035343	PL.2093	B	Consumer	7.14Y	119.0	0.00	7.02	1.76	0	12	2	99	0.00	0.0	4.570	0.000	12	2	1	1
035334	PL.2093	B	Consumer	7.14Y	119.0	0.00	7.02	0.92	0	6	1	99	0.00	0.0	4.570	0.000	6	1	1	1
PL.11974	PL.21593	B	4ACSR	7.13Y	118.9	0.10	7.12	44.22	23	311	53	99	0.25	0.1	4.567	0.053	0	0	0	60
PL.11975	PL.11974	B	4ACSR	7.13Y	118.9	0.01	7.13	44.22	23	311	53	99	0.02	0.0	4.570	0.003	0	0	0	60
PL.6363	PL.11975	B	4ACSR	7.12Y	118.6	0.24	7.37	35.67	18	251	43	99	0.48	0.2	4.727	0.157	0	0	0	47
035309	PL.6363	B	Consumer	7.12Y	118.6	0.00	7.37	0.53	0	4	1	97	0.00	0.0	4.727	0.000	4	1	1	1
035352	PL.6363	B	Consumer	7.12Y	118.6	0.00	7.37	0.00	0	0	0	100	0.00	0.0	4.727	0.000	0	0	0	0
035363	PL.6363	B	Consumer	7.12Y	118.6	0.00	7.37	0.64	0	4	1	97	0.00	0.0	4.727	0.000	4	1	1	1
035303	PL.6363	B	Consumer	7.12Y	118.6	0.00	7.37	0.08	0	1	0	100	0.00	0.0	4.727	0.000	1	0	1	1
PL.6362	PL.6363	B	4ACSR	7.12Y	118.6	0.03	7.40	34.42	18	241	42	99	0.06	0.0	4.749	0.021	0	0	0	44
PL.25731	PL.6362	B	4ACSR	7.11Y	118.5	0.07	7.47	34.42	18	241	42	99	0.14	0.1	4.798	0.049	0	0	0	44
PL.25732	PL.25731	B	4ACSR	7.11Y	118.5	0.06	7.53	33.26	17	233	40	99	0.11	0.0	4.839	0.041	0	0	0	42
035320	PL.25732	B	Consumer	7.11Y	118.5	0.00	7.53	0.42	0	3	0	100	0.00	0.0	4.839	0.000	3	0	1	1
035347	PL.25732	B	Consumer	7.11Y	118.5	0.00	7.53	1.34	0	9	2	98	0.00	0.0	4.839	0.000	9	2	1	1
PL.6364	PL.25732	B	4ACSR	7.10Y	118.4	0.11	7.64	31.51	16	221	38	99	0.19	0.1	4.918	0.079	0	0	0	40
PL.18534	PL.6364	B	4ACSR	7.10Y	118.4	0.01	7.65	31.05	16	217	37	99	0.01	0.0	4.923	0.006	0	0	0	39
PD.279-A	PL.18534	B	Closed	7.10Y	118.4	0.00	7.65	31.05	0	217	37	99	0.00	0.0	4.923	0.000	0	0	0	39
PD.279-B	PD.279-A	B	Closed	7.10Y	118.4	0.00	7.65	31.05	0	217	37	99	0.00	0.0	4.923	0.000	0	0	0	39
PL.18535	PD.279-B	B	4ACSR	7.09Y	118.2	0.16	7.81	31.05	16	217	37	99	0.27	0.1	5.041	0.118	0	0	0	39
PL.2096	PL.18535	B	4ACSR	7.09Y	118.2	0.01	7.81	1.37	1	10	2	98	0.00	0.0	5.126	0.085	0	0	0	2
035336	PL.2096	B	Consumer	7.09Y	118.2	0.00	7.81	0.86	0	6	1	99	0.00	0.0	5.126	0.000	6	1	1	1
035329	PL.2096	B	Consumer	7.09Y	118.2	0.00	7.81	0.51	0	4	1	97	0.00	0.0	5.126	0.000	4	1	1	1
035350	PL.18535	B	Consumer	7.09Y	118.2	0.00	7.81	1.52	0	11	2	98	0.00	0.0	5.041	0.000	11	2	1	1
035360	PL.18535	B	Consumer	7.09Y	118.2	0.00	7.81	0.11	0	1	0	100	0.00	0.0	5.041	0.000	1	0	1	1
PL.19271	PL.18535	B	4ACSR	7.09Y	118.1	0.05	7.85	28.06	14	196	34	99	0.07	0.0	5.079	0.037	0	0	0	35
035361	PL.19271	B	Consumer	7.09Y	118.1	0.00	7.85	0.92	0	6	1	99	0.00	0.0	5.079	0.000	6	1	1	1
PL.19272	PL.19271	B	4ACSR	7.09Y	118.1	0.05	7.90	27.14	14	190	33	99	0.07	0.0	5.118	0.040	0	0	0	34
PL.6366	PL.19272	B	4ACSR	7.08Y	118.1	0.05	7.95	27.14	14	190	33	99	0.08	0.0	5.161	0.043	0	0	0	34
L PL.6367	PL.6366	B	4ACSR	7.07Y	117.9	0.14	8.08	27.14	14	189	32	99	0.20	0.1	5.276	0.115	0	0	0	34 L
L 035367	PL.6367	B	Consumer	7.07Y	117.9	0.00	8.08	0.24	0	2	1	89	0.00	0.0	5.276	0.000	2	1	1	1 L
L 035339	PL.6367	B	Consumer	7.07Y	117.9	0.00	8.08	0.00	0	0	0	100	0.00	0.0	5.276	0.000	0	0	1	1 L
L PL.6369	PL.6367	B	4ACSR	7.06Y	117.7	0.21	8.29	26.91	14	188	32	99	0.31	0.2	5.453	0.177	0	0	0	32 L
L PL.19961	PL.6369	B	4ACSR	7.06Y	117.6	0.10	8.39	26.22	14	183	31	99	0.14	0.1	5.537	0.084	0	0	0	31 L
L 035333	PL.19961	B	Consumer	7.06Y	117.6	0.00	8.39	1.09	0	8	1	99	0.00	0.0	5.537	0.000	8	1	1	1 L
L 035326	PL.19961	B	Consumer	7.06Y	117.6	0.00	8.39	0.21	0	1	0	100	0.00	0.0	5.537	0.000	1	0	1	1 L
L 035342	PL.19961	B	Consumer	7.06Y	117.6	0.00	8.39	0.05	0	0	0	100	0.00	0.0	5.537	0.000	0	0	1	1 L
L 035332	PL.19961	B	Consumer	7.06Y	117.6	0.00	8.39	0.54	0	4	1	97	0.00	0.0	5.537	0.000	4	1	1	1 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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L 035353	PL.19961	B	Consumer	7.06Y	117.6	0.00	8.39	0.00	0	0	0	100	0.00	0.0	5.537	0.000	0	0	0	0	L
L 035331	PL.19961	B	Consumer	7.06Y	117.6	0.00	8.39	0.76	0	5	1	98	0.00	0.0	5.537	0.000	5	1	1	1	L
L PL.19962	PL.19961	B	4ACSR	7.05Y	117.5	0.08	8.47	23.58	12	164	27	99	0.10	0.1	5.616	0.078	0	0	0	26	L
L PL.25733	PL.19962	B	4ACSR	7.05Y	117.4	0.09	8.55	22.18	11	154	26	99	0.11	0.1	5.706	0.090	0	0	0	24	L
L 035212	PL.25733	B	Consumer	7.05Y	117.4	0.00	8.55	1.39	0	10	2	98	0.00	0.0	5.706	0.000	10	2	1	1	L
L 035214	PL.25733	B	Consumer	7.05Y	117.4	0.00	8.55	1.55	0	11	2	98	0.00	0.0	5.706	0.000	11	2	1	1	L
L PL.25734	PL.25733	B	4ACSR	7.04Y	117.3	0.10	8.65	19.24	10	134	22	99	0.11	0.1	5.827	0.120	0	0	0	22	L
L PL.20448	PL.25734	B	4ACSR	7.04Y	117.3	0.05	8.70	19.05	10	132	22	99	0.05	0.0	5.887	0.060	0	0	0	21	L
L PD.281-A	PL.20448	B	Closed	7.04Y	117.3	0.00	8.70	19.05	0	132	22	99	0.00	0.0	5.887	0.000	0	0	0	21	L
L PD.281-B	PD.281-A	B	Closed	7.04Y	117.3	0.00	8.70	19.05	0	132	22	99	0.00	0.0	5.887	0.000	0	0	0	21	L
L PL.20449	PD.281-B	B	4ACSR	7.04Y	117.3	0.01	8.71	19.05	10	132	22	99	0.01	0.0	5.895	0.008	0	0	0	21	L
L PL.40592	PL.20449	B	4ACSR	7.03Y	117.2	0.06	8.77	18.21	9	126	21	99	0.06	0.0	5.973	0.079	0	0	0	20	L
L PL.40593	PL.40592	B	4ACSR	7.00Y	116.6	0.63	9.40	18.21	9	126	21	99	0.64	0.5	6.776	0.803	0	0	0	20	L
L PD.282-A	PL.40593	B	Closed	7.00Y	116.6	0.00	9.40	18.21	0	126	21	99	0.00	0.0	6.776	0.000	0	0	0	20	L
L PD.282-B	PD.282-A	B	Closed	7.00Y	116.6	0.00	9.40	18.21	0	126	21	99	0.00	0.0	6.776	0.000	0	0	0	20	L
L PL.20389	PD.282-B	B	4ACSR	6.99Y	116.6	0.04	9.44	18.21	9	126	21	99	0.04	0.0	6.827	0.051	0	0	0	20	L
L PL.6373	PL.20389	B	4ACSR	6.99Y	116.5	0.06	9.50	15.88	8	110	18	99	0.05	0.0	6.914	0.087	0	0	0	17	L
L 036231	PL.6373	B	Consumer	6.99Y	116.5	0.00	9.50	0.54	0	4	1	97	0.00	0.0	6.914	0.000	4	1	1	1	L
L PL.6372	PL.6373	B	4ACSR	6.97Y	116.2	0.29	9.80	15.34	8	106	17	99	0.25	0.2	7.355	0.441	0	0	0	16	L
L 036225	PL.6372	B	Consumer	6.97Y	116.2	0.00	9.80	0.56	0	4	1	97	0.00	0.0	7.355	0.000	4	1	1	1	L
L PL.6360	PL.6372	B	4ACSR	6.97Y	116.1	0.08	9.87	14.78	8	102	17	99	0.06	0.1	7.478	0.124	0	0	0	15	L
L PL.21115	PL.6360	B	4ACSR	6.97Y	116.1	0.00	9.88	1.29	1	9	1	99	0.00	0.0	7.522	0.043	0	0	0	1	L
L 036212	PL.21115	B	Consumer	6.97Y	116.1	0.00	9.88	1.29	0	9	1	99	0.00	0.0	7.522	0.000	9	1	1	1	L
L PL.6359	PL.6360	B	4ACSR	6.96Y	116.1	0.06	9.93	11.91	6	82	13	99	0.04	0.0	7.595	0.117	0	0	0	12	L
L 036201	PL.6359	B	Consumer	6.96Y	116.1	0.00	9.93	0.54	0	4	1	97	0.00	0.0	7.595	0.000	4	1	1	1	L
L PL.6353	PL.6359	B	4ACSR	6.96Y	116.0	0.08	10.01	11.37	6	78	13	99	0.05	0.1	7.757	0.162	0	0	0	11	L
L 036207	PL.6353	B	Consumer	6.96Y	116.0	0.00	10.01	1.22	0	8	1	99	0.00	0.0	7.757	0.000	8	1	1	1	L
L PL.6352	PL.6353	B	4ACSR	6.96Y	116.0	0.03	10.04	10.16	5	70	11	99	0.02	0.0	7.826	0.069	0	0	0	10	L
L PL.25736	PL.6352	B	4ACSR	6.96Y	115.9	0.03	10.08	10.16	5	70	11	99	0.02	0.0	7.904	0.077	0	0	0	10	L
L PL.25735	PL.25736	B	4ACSR	6.95Y	115.9	0.02	10.09	5.09	3	35	6	99	0.00	0.0	7.980	0.077	0	0	0	5	L
L 036220	PL.25735	B	Consumer	6.95Y	115.9	0.00	10.09	1.22	0	8	1	99	0.00	0.0	7.980	0.000	8	1	1	1	L
L 036219	PL.25735	B	Consumer	6.95Y	115.9	0.00	10.09	0.00	0	0	0	100	0.00	0.0	7.980	0.000	0	0	0	0	L
L PL.19477	PL.25735	B	4ACSR	6.95Y	115.9	0.01	10.10	3.87	2	27	4	99	0.00	0.0	8.037	0.057	0	0	0	4	L
L PL.19476	PL.19477	B	4ACSR	6.95Y	115.9	0.01	10.12	2.62	1	18	3	99	0.00	0.0	8.144	0.107	0	0	0	3	L
L 0362032	PL.19476	B	Consumer	6.95Y	115.9	0.00	10.12	0.24	0	2	0	100	0.00	0.0	8.144	0.000	2	0	1	1	L
L 036221	PL.19476	B	Consumer	6.95Y	115.9	0.00	10.12	0.97	0	7	1	99	0.00	0.0	8.144	0.000	7	1	1	1	L
L PL.25738	PL.19476	B	4ACSR	6.95Y	115.9	0.00	10.12	0.00	0	0	0	100	0.00	0.0	8.159	0.015	0	0	0	0	L
L PD.278-B	PL.25738	B	Open	6.95Y	115.9	0.00	10.12	0.00	0	0	0	100	0.00	0.0	8.159	0.000	0	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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PL.21113	PL.19476	B	4ACSR	6.95Y	115.9	0.01	10.12	1.41	1	10	2	98	0.00	0.0	8.261	0.117	0	0	0	1	L
L 036209	PL.21113	B	Consumer	6.95Y	115.9	0.00	10.12	1.41	0	10	2	98	0.00	0.0	8.261	0.000	10	2	1	1	L
L 036222	PL.19477	B	Consumer	6.95Y	115.9	0.00	10.10	1.25	0	9	1	99	0.00	0.0	8.037	0.000	9	1	1	1	L
L PL.23273	PL.25736	B	4ACSR	6.95Y	115.9	0.01	10.09	5.06	3	35	6	99	0.00	0.0	7.960	0.057	0	0	0	5	L
L PL.23274	PL.23273	B	4ACSR	6.95Y	115.9	0.01	10.10	5.05	3	35	6	99	0.00	0.0	8.022	0.062	0	0	0	4	L
L 036215	PL.23274	B	Consumer	6.95Y	115.9	0.00	10.10	0.65	0	4	1	97	0.00	0.0	8.022	0.000	4	1	1	1	L
L PL.45143	PL.23274	B	4ACSR	6.95Y	115.9	0.02	10.12	4.40	2	30	5	99	0.00	0.0	8.105	0.083	0	0	0	3	L
L 0362033	PL.45143	B	Consumer	6.95Y	115.9	0.00	10.12	0.00	0	0	0	100	0.00	0.0	8.105	0.000	0	0	0	0	L
L 036214	PL.45143	B	Consumer	6.95Y	115.9	0.00	10.12	1.15	0	8	1	99	0.00	0.0	8.105	0.000	8	1	1	1	L
L 036213	PL.45143	B	Consumer	6.95Y	115.9	0.00	10.12	1.42	0	10	2	98	0.00	0.0	8.105	0.000	10	2	1	1	L
L PL.45144	PL.45143	B	4ACSR	6.95Y	115.9	0.00	10.12	1.84	1	13	2	99	0.00	0.0	8.160	0.055	0	0	0	1	L
L 036210	PL.45144	B	Consumer	6.95Y	115.9	0.00	10.12	1.84	0	13	2	99	0.00	0.0	8.160	0.000	13	2	1	1	L
L 036228	PL.23273	B	Consumer	6.95Y	115.9	0.00	10.09	0.01	0	0	0	100	0.00	0.0	7.960	0.000	0	0	1	1	L
L 036206	PL.6360	B	Consumer	6.97Y	116.1	0.00	9.87	1.49	0	10	2	98	0.00	0.0	7.478	0.000	10	2	1	1	L
L 036204	PL.6360	B	Consumer	6.97Y	116.1	0.00	9.87	0.08	0	1	0	100	0.00	0.0	7.478	0.000	1	0	1	1	L
L 036211	PL.20389	B	Consumer	6.99Y	116.6	0.00	9.44	0.32	0	2	0	100	0.00	0.0	6.827	0.000	2	0	1	1	L
L 036224	PL.20389	B	Consumer	6.99Y	116.6	0.00	9.44	1.27	0	9	1	99	0.00	0.0	6.827	0.000	9	1	1	1	L
L 036223	PL.20389	B	Consumer	6.99Y	116.6	0.00	9.44	0.74	0	5	1	98	0.00	0.0	6.827	0.000	5	1	1	1	L
L 0352024	PL.40592	B	Consumer	7.03Y	117.2	0.00	8.77	0.00	0	0	0	100	0.00	0.0	5.973	0.000	0	0	0	0	L
L 035222	PL.20449	B	Consumer	7.04Y	117.3	0.00	8.71	0.83	0	6	1	99	0.00	0.0	5.895	0.000	6	1	1	1	L
L 035219	PL.20449	B	Consumer	7.04Y	117.3	0.00	8.71	0.00	0	0	0	100	0.00	0.0	5.895	0.000	0	0	0	0	L
L 035217	PL.25734	B	Consumer	7.04Y	117.3	0.00	8.65	0.19	0	1	0	100	0.00	0.0	5.827	0.000	1	0	1	1	L
L 035330	PL.19962	B	Consumer	7.05Y	117.5	0.00	8.47	0.67	0	5	1	98	0.00	0.0	5.616	0.000	5	1	1	1	L
L 035328	PL.19962	B	Consumer	7.05Y	117.5	0.00	8.47	0.72	0	5	1	98	0.00	0.0	5.616	0.000	5	1	1	1	L
L 035337	PL.6369	B	Consumer	7.06Y	117.7	0.00	8.29	0.69	0	5	1	98	0.00	0.0	5.453	0.000	5	1	1	1	L
035302	PL.6364	B	Consumer	7.10Y	118.4	0.00	7.64	0.46	0	3	1	95	0.00	0.0	4.918	0.000	3	1	1	1	
PL.2091	PL.25731	B	4ACSR	7.11Y	118.5	0.00	7.48	0.81	0	6	1	99	0.00	0.0	4.843	0.045	0	0	0	1	
035349	PL.2091	B	Consumer	7.11Y	118.5	0.00	7.48	0.81	0	6	1	99	0.00	0.0	4.843	0.000	6	1	1	1	
035322	PL.25731	B	Consumer	7.11Y	118.5	0.00	7.47	0.35	0	2	0	100	0.00	0.0	4.798	0.000	2	0	1	1	
035324	PL.25731	B	Consumer	7.11Y	118.5	0.00	7.47	0.00	0	0	0	100	0.00	0.0	4.798	0.000	0	0	0	0	
PL.26157	PL.11975	B	4ACSR	7.13Y	118.9	0.01	7.14	5.06	3	36	6	99	0.00	0.0	4.620	0.050	0	0	0	8	
PL.2092	PL.26157	B	4ACSR	7.13Y	118.9	0.00	7.14	1.49	1	10	2	98	0.00	0.0	4.677	0.057	0	0	0	3	
035317	PL.2092	B	Consumer	7.13Y	118.9	0.00	7.14	0.62	0	4	1	97	0.00	0.0	4.677	0.000	4	1	1	1	
035365	PL.2092	B	Consumer	7.13Y	118.9	0.00	7.14	0.02	0	0	0	100	0.00	0.0	4.677	0.000	0	0	1	1	
035318	PL.2092	B	Consumer	7.13Y	118.9	0.00	7.14	0.84	0	6	1	99	0.00	0.0	4.677	0.000	6	1	1	1	
PL.2094	PL.26157	B	4ACSR	7.13Y	118.9	0.00	7.14	1.94	1	14	2	99	0.00	0.0	4.649	0.029	0	0	0	2	
035315	PL.2094	B	Consumer	7.13Y	118.9	0.00	7.14	0.04	0	0	0	100	0.00	0.0	4.649	0.000	0	0	1	1	
035321	PL.2094	B	Consumer	7.13Y	118.9	0.00	7.14	1.90	0	13	2	99	0.00	0.0	4.649	0.000	13	2	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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.25730	PL.26157	B	4ACSR	7.13Y	118.9	0.01	7.14	1.63	1	11	2	98	0.00	0.0	4.693	0.073	0	0	0	3
035362	PL.25730	B	Consumer	7.13Y	118.9	0.00	7.14	0.00	0	0	0	100	0.00	0.0	4.693	0.000	0	0	1	1
035348	PL.25730	B	Consumer	7.13Y	118.9	0.00	7.14	0.00	0	0	0	100	0.00	0.0	4.693	0.000	0	0	0	0
035356	PL.25730	B	Consumer	7.13Y	118.9	0.00	7.14	1.62	0	11	2	98	0.00	0.0	4.693	0.000	11	2	1	1
035358	PL.25730	B	Consumer	7.13Y	118.9	0.00	7.14	0.01	0	0	0	100	0.00	0.0	4.693	0.000	0	0	1	1
PL.2095	PL.11975	B	4ACSR	7.13Y	118.9	0.00	7.13	0.82	0	6	1	99	0.00	0.0	4.598	0.028	0	0	0	1
035312	PL.2095	B	Consumer	7.13Y	118.9	0.00	7.13	0.82	0	6	1	99	0.00	0.0	4.598	0.000	6	1	1	1
035319	PL.11975	B	Consumer	7.13Y	118.9	0.00	7.13	1.04	0	7	1	99	0.00	0.0	4.570	0.000	7	1	1	1
035335	PL.11975	B	Consumer	7.13Y	118.9	0.00	7.13	0.21	0	1	0	100	0.00	0.0	4.570	0.000	1	0	1	1
035316	PL.11975	B	Consumer	7.13Y	118.9	0.00	7.13	0.75	0	5	1	98	0.00	0.0	4.570	0.000	5	1	1	1
035314	PL.11975	B	Consumer	7.13Y	118.9	0.00	7.13	0.66	0	5	1	98	0.00	0.0	4.570	0.000	5	1	1	1
PL.11954	PL.11950	A	1/0ACSR	7.36Y	122.6	0.08	3.41	34.44	10	248	51	98	0.23	0.0	4.334	0.104	0	0	0	25
		B		7.17Y	119.5	0.05	6.46	33.58	10	236	47	98					0	0	0	28
		C		7.50Y	125.0	0.01	1.03	13.26	4	96	27	96					0	0	0	3
PL.28188	PL.11954	B	4ACSR	7.17Y	119.5	0.00	6.46	3.10	2	22	4	98	0.00	0.0	4.345	0.011	0	0	0	2
PD.3095	PL.28188	B	fuse6AMP	7.17Y	119.5	0.00	6.46	3.10	53	22	4	98	0.00	0.0	4.345	0.000	0	0	0	2
PL.28189	PD.3095	B	4ACSR	7.17Y	119.5	0.00	6.46	3.10	2	22	4	98	0.00	0.0	4.362	0.017	0	0	0	2
0363073	PL.28189	B	Consumer	7.17Y	119.5	0.00	6.46	0.00	0	0	0	100	0.00	0.0	4.362	0.000	0	0	0	0
036301	PL.28189	B	Consumer	7.17Y	119.5	0.00	6.46	1.02	0	7	1	99	0.00	0.0	4.362	0.000	7	1	1	1
PL.6361	PL.28189	B	4ACSR	7.17Y	119.5	0.01	6.47	2.09	1	15	2	99	0.00	0.0	4.420	0.057	0	0	0	1
036351	PL.6361	B	Consumer	7.17Y	119.5	0.00	6.47	0.00	0	0	0	100	0.00	0.0	4.420	0.000	0	0	0	0
036363	PL.6361	B	Consumer	7.17Y	119.5	0.00	6.47	2.09	0	15	2	99	0.00	0.0	4.420	0.000	15	2	1	1
PL.11955	PL.11954	A	1/0ACSR	7.35Y	122.5	0.05	3.46	34.44	10	248	51	98	0.13	0.0	4.399	0.065	0	0	0	25
		B		7.17Y	119.5	0.03	6.49	30.48	9	214	44	98					0	0	0	26
		C		7.50Y	125.0	0.01	1.05	13.26	4	96	27	96					0	0	0	3
PL.11956	PL.11955	A	1/0ACSR	7.35Y	122.5	0.05	3.51	34.44	10	248	51	98	0.13	0.0	4.469	0.070	0	0	0	24
		B		7.17Y	119.5	0.02	6.51	26.29	8	184	39	98					0	0	0	19
		C		7.50Y	124.9	0.01	1.06	13.26	4	96	27	96					0	0	0	3
PL.2104	PL.11956	C	4ACSR	7.50Y	124.9	0.00	1.06	1.33	1	9	4	91	0.00	0.0	4.506	0.037	0	0	0	1
036358	PL.2104	C	Consumer	7.50Y	124.9	0.00	1.06	1.33	0	9	4	91	0.00	0.0	4.506	0.000	9	4	1	1
PL.18054	PL.11956	B	4ACSR	7.17Y	119.5	0.00	6.51	1.72	1	12	2	99	0.00	0.0	4.489	0.020	0	0	0	3
PD.1279	PL.18054	B	fuse6AMP	7.17Y	119.5	0.00	6.51	1.72	29	12	2	99	0.00	0.0	4.489	0.000	0	0	0	3
PL.18053	PD.1279	B	4ACSR	7.17Y	119.5	0.00	6.51	1.72	1	12	2	99	0.00	0.0	4.496	0.006	0	0	0	3
PL.2098	PL.18053	B	4ACSR	7.17Y	119.5	0.00	6.52	0.86	0	6	1	99	0.00	0.0	4.630	0.134	0	0	0	2
PL.28162	PL.2098	B	4ACSR	7.17Y	119.5	0.00	6.52	0.86	0	6	1	99	0.00	0.0	4.639	0.009	0	0	0	2
PL.28163	PL.28162	B	4ACSR	7.17Y	119.5	0.00	6.52	0.63	0	4	1	97	0.00	0.0	4.674	0.034	0	0	0	1
036403	PL.28163	B	Consumer	7.17Y	119.5	0.00	6.52	0.63	0	4	1	97	0.00	0.0	4.674	0.000	4	1	1	1
036412	PL.28162	B	Consumer	7.17Y	119.5	0.00	6.52	0.23	0	2	0	100	0.00	0.0	4.639	0.000	2	0	1	1
036343	PL.18053	B	Consumer	7.17Y	119.5	0.00	6.51	0.86	0	6	1	99	0.00	0.0	4.496	0.000	6	1	1	1
PL.11957	PL.11956	A	1/0ACSR	7.35Y	122.4	0.07	3.58	34.44	10	248	51	98	0.16	0.0	4.563	0.093	0	0	0	24
		B		7.17Y	119.5	0.03	6.53	24.57	7	172	37	98					0	0	0	16
		C		7.50Y	124.9	0.02	1.08	11.95	4	87	23	97					0	0	0	2

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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
036348	PL.11957	C	Consumer	7.50Y	124.9	0.00	1.08	0.64	0	5	1	98	0.00	0.0	4.563	0.000	5	1	1	1
036370	PL.11957	C	Consumer	7.50Y	124.9	0.00	1.08	0.02	0	0	0	100	0.00	0.0	4.563	0.000	0	0	1	1
PL.11958	PL.11957	A	1/0ACSR	7.34Y	122.3	0.08	3.66	34.44	10	248	51	98	0.18	0.0	4.664	0.102	0	0	0	24
		B		7.17Y	119.4	0.03	6.56	24.57	7	172	37	98					0	0	0	16
		C		7.49Y	124.9	0.02	1.10	11.29	3	82	22	97					0	0	0	0
PL.11959	PL.11958	A	1/0ACSR	7.33Y	122.2	0.11	3.77	32.21	10	232	48	98	0.25	0.1	4.822	0.158	0	0	0	22
		B		7.16Y	119.4	0.04	6.60	24.12	7	169	36	98					0	0	0	15
		C		7.49Y	124.9	0.03	1.12	11.29	3	82	22	97					0	0	0	0
PL.6354	PL.11959	A	4ACSR	7.33Y	122.2	0.03	3.80	17.53	9	127	22	99	0.03	0.0	4.865	0.042	0	0	0	19
PL.11960	PL.6354	A	4ACSR	7.33Y	122.2	0.01	3.81	17.53	9	127	22	99	0.01	0.0	4.875	0.010	0	0	0	19
PL.29277	PL.11960	A	4ACSR	7.33Y	122.2	0.00	3.81	0.72	0	5	1	98	0.00	0.0	4.895	0.020	0	0	0	2
036319	PL.29277	A	Consumer	7.33Y	122.2	0.00	3.81	0.58	0	4	1	97	0.00	0.0	4.895	0.000	4	1	1	1
036360	PL.29277	A	Consumer	7.33Y	122.2	0.00	3.81	0.14	0	1	0	100	0.00	0.0	4.895	0.000	1	0	1	1
PL.11961	PL.11960	A	4ACSR	7.33Y	122.1	0.05	3.86	7.67	4	56	9	99	0.02	0.0	5.029	0.154	0	0	0	8
PL.11962	PL.11961	A	4ACSR	7.33Y	122.1	0.00	3.86	0.58	0	4	1	97	0.00	0.0	5.050	0.021	0	0	0	1
036306	PL.11962	A	Consumer	7.33Y	122.1	0.00	3.86	0.58	0	4	1	97	0.00	0.0	5.050	0.000	4	1	1	1
PL.19007	PL.11961	A	4ACSR	7.33Y	122.1	0.01	3.86	3.67	2	27	4	99	0.00	0.0	5.070	0.041	0	0	0	4
036359	PL.19007	A	Consumer	7.33Y	122.1	0.00	3.86	0.82	0	6	1	99	0.00	0.0	5.070	0.000	6	1	1	1
PL.19008	PL.19007	A	4ACSR	7.33Y	122.1	0.00	3.87	2.84	1	21	3	99	0.00	0.0	5.086	0.016	0	0	0	3
036354	PL.19008	A	Consumer	7.33Y	122.1	0.00	3.87	0.61	0	4	1	97	0.00	0.0	5.086	0.000	4	1	1	1
036355	PL.19008	A	Consumer	7.33Y	122.1	0.00	3.87	1.41	0	10	2	98	0.00	0.0	5.086	0.000	10	2	1	1
036362	PL.19008	A	Consumer	7.33Y	122.1	0.00	3.87	0.82	0	6	1	99	0.00	0.0	5.086	0.000	6	1	1	1
PL.2088	PL.11961	A	4ACSR	7.33Y	122.1	0.00	3.86	1.66	1	12	2	99	0.00	0.0	5.077	0.048	0	0	0	1
036336	PL.2088	A	Consumer	7.33Y	122.1	0.00	3.86	1.66	0	12	2	99	0.00	0.0	5.077	0.000	12	2	1	1
PL.2089	PL.11961	A	4ACSR	7.33Y	122.1	0.00	3.86	1.76	1	13	2	99	0.00	0.0	5.091	0.061	0	0	0	2
036364	PL.2089	A	Consumer	7.33Y	122.1	0.00	3.86	0.57	0	4	1	97	0.00	0.0	5.091	0.000	4	1	1	1
036323	PL.2089	A	Consumer	7.33Y	122.1	0.00	3.86	1.19	0	9	1	99	0.00	0.0	5.091	0.000	9	1	1	1
PL.6355	PL.11960	A	4ACSR	7.33Y	122.2	0.01	3.81	9.14	5	66	12	98	0.00	0.0	4.890	0.015	0	0	0	9
036317	PL.6355	A	Consumer	7.33Y	122.2	0.00	3.81	1.73	0	13	2	99	0.00	0.0	4.890	0.000	13	2	1	1
036320	PL.6355	A	Consumer	7.33Y	122.2	0.00	3.81	1.93	0	14	2	99	0.00	0.0	4.890	0.000	14	2	1	1
PL.6356	PL.6355	A	4ACSR	7.33Y	122.2	0.01	3.82	5.48	3	39	7	98	0.00	0.0	4.919	0.030	0	0	0	7
PL.2090	PL.6356	A	4ACSR	7.33Y	122.2	0.01	3.83	3.19	2	23	4	99	0.00	0.0	4.963	0.044	0	0	0	4
PL.29279	PL.2090	A	4ACSR	7.33Y	122.2	0.00	3.83	3.19	2	23	4	99	0.00	0.0	4.987	0.024	0	0	0	4
036366	PL.29279	A	Consumer	7.33Y	122.2	0.00	3.83	1.33	0	10	2	98	0.00	0.0	4.987	0.000	10	2	1	1
036342	PL.29279	A	Consumer	7.33Y	122.2	0.00	3.83	0.20	0	1	0	100	0.00	0.0	4.987	0.000	1	0	1	1
036344	PL.29279	A	Consumer	7.33Y	122.2	0.00	3.83	0.21	0	2	0	100	0.00	0.0	4.987	0.000	2	0	1	1
SRL.33342	PL.29279	A	Consumer	7.33Y	122.2	0.00	3.83	0.00	0	0	0	100	0.00	0.0	4.987	0.000	0	0	0	0
036345	PL.29279	A	Consumer	7.33Y	122.2	0.00	3.83	1.45	0	10	2	98	0.00	0.0	4.987	0.000	10	2	1	1
036346	PL.6356	A	Consumer	7.33Y	122.2	0.00	3.82	0.89	0	6	1	99	0.00	0.0	4.919	0.000	6	1	1	1
036349	PL.6356	A	Consumer	7.33Y	122.2	0.00	3.82	0.47	0	3	2	83	0.00	0.0	4.919	0.000	3	2	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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
036332	PL.6356	A	Consumer	7.33Y	122.2	0.00	3.82	0.94	0	7	1	99	0.00	0.0	4.919	0.000	7	1	1	1
PL.20212	PL.11959	A	1/0ACSR	7.33Y	122.2	0.00	3.77	14.70	4	105	26	97	0.01	0.0	4.829	0.007	0	0	0	3
		B		7.16Y	119.4	0.00	6.61	22.79	7	159	35	98					0	0	0	13
		C		7.49Y	124.9	0.00	1.12	11.29	3	82	22	97					0	0	0	0
PD.3099	PL.20212	A	25V4E	7.33Y	122.2	0.00	3.77	14.70	59	105	26	97	0.00	0.0	4.829	0.000	0	0	0	3
C		B		7.16Y	119.4	0.00	6.61	22.79	91	159	35	98					0	0	0	13 C
		C		7.49Y	124.9	0.00	1.12	11.29	45	82	22	97					0	0	0	0
PL.20213	PD.3099	A	1/0ACSR	7.33Y	122.2	0.04	3.81	14.70	4	105	26	97	0.11	0.0	4.971	0.141	0	0	0	3
		B		7.16Y	119.3	0.06	6.67	22.79	7	159	35	98					0	0	0	13
		C		7.49Y	124.9	0.01	1.14	11.29	3	82	22	97					0	0	0	0
0363075	PL.20213	C	Consumer	7.49Y	124.9	0.00	1.14	0.00	0	0	0	100	0.00	0.0	4.971	0.000	0	0	0	0
PL.11963	PL.20213	A	1/0ACSR	7.33Y	122.2	0.01	3.82	14.70	4	105	26	97	0.03	0.0	5.004	0.034	0	0	0	3
		B		7.16Y	119.3	0.01	6.68	22.79	7	159	35	98					0	0	0	13
		C		7.49Y	124.9	0.00	1.14	11.29	3	82	22	97					0	0	0	0
PL.37630	PL.11963	B	2ACSR	7.16Y	119.3	0.00	6.68	0.02	0	0	0	100	0.00	0.0	5.046	0.042	0	0	0	1
0363072	PL.37630	B	Consumer	7.16Y	119.3	0.00	6.68	0.02	0	0	0	100	0.00	0.0	5.046	0.000	0	0	1	1
PL.11966	PL.11963	A	1/0ACSR	7.33Y	122.1	0.03	3.85	14.70	4	105	26	97	0.06	0.0	5.102	0.098	0	0	0	3
		B		7.16Y	119.3	0.03	6.71	18.65	6	130	30	97					0	0	0	8
		C		7.49Y	124.8	0.01	1.16	11.29	3	82	22	97					0	0	0	0
PL.6350	PL.11966	B	4ACSR	7.16Y	119.3	0.01	6.72	5.09	3	36	6	99	0.00	0.0	5.125	0.023	0	0	0	5
PL.6351	PL.6350	B	4ACSR	7.16Y	119.3	0.00	6.72	1.89	1	13	2	99	0.00	0.0	5.182	0.057	0	0	0	1
036333	PL.6351	B	Consumer	7.16Y	119.3	0.00	6.72	1.89	0	13	2	99	0.00	0.0	5.182	0.000	13	2	1	1
036326	PL.6351	B	Consumer	7.16Y	119.3	0.00	6.72	0.00	0	0	0	100	0.00	0.0	5.182	0.000	0	0	0	0
PL.2100	PL.6350	B	4ACSR	7.16Y	119.3	0.00	6.72	0.89	0	6	1	99	0.00	0.0	5.237	0.112	0	0	0	1
036327	PL.2100	B	Consumer	7.16Y	119.3	0.00	6.72	0.89	0	6	1	99	0.00	0.0	5.237	0.000	6	1	1	1
036331	PL.6350	B	Consumer	7.16Y	119.3	0.00	6.72	1.00	0	7	1	99	0.00	0.0	5.125	0.000	7	1	1	1
036322	PL.6350	B	Consumer	7.16Y	119.3	0.00	6.72	0.53	0	4	1	97	0.00	0.0	5.125	0.000	4	1	1	1
036338	PL.6350	B	Consumer	7.16Y	119.3	0.00	6.72	0.79	0	6	1	99	0.00	0.0	5.125	0.000	6	1	1	1
PL.11967	PL.11966	A	1/0ACSR	7.33Y	122.1	0.01	3.86	14.70	4	105	26	97	0.01	0.0	5.124	0.022	0	0	0	3
		B		7.16Y	119.3	0.00	6.72	13.58	4	94	24	97					0	0	0	3
		C		7.49Y	124.8	0.00	1.16	11.29	3	82	22	97					0	0	0	0
PL.11968	PL.11967	A	1/0ACSR	7.33Y	122.1	0.03	3.89	12.75	4	90	23	97	0.05	0.0	5.246	0.122	0	0	0	1
		B		7.16Y	119.3	0.03	6.75	13.58	4	94	24	97					0	0	0	3
		C		7.49Y	124.8	0.02	1.18	11.29	3	82	22	97					0	0	0	0
PL.11969	PL.11968	A	1/0ACSR	7.33Y	122.1	0.01	3.89	12.75	4	90	23	97	0.01	0.0	5.275	0.029	0	0	0	1
		B		7.15Y	119.2	0.01	6.75	13.58	4	94	24	97					0	0	0	3
		C		7.49Y	124.8	0.01	1.19	11.29	3	82	22	97					0	0	0	0
PL.11970	PL.11969	A	1/0ACSR	7.33Y	122.1	0.01	3.91	12.75	4	90	23	97	0.02	0.0	5.330	0.055	0	0	0	1
		B		7.15Y	119.2	0.01	6.76	11.82	4	82	22	97					0	0	0	0
		C		7.49Y	124.8	0.01	1.20	11.29	3	82	22	97					0	0	0	0
PL.2128	PL.11970	A	4ACSR	7.33Y	122.1	0.00	3.91	1.22	1	9	1	99	0.00	0.0	5.374	0.044	0	0	0	1
037304	PL.2128	A	Consumer	7.33Y	122.1	0.00	3.91	1.22	0	9	1	99	0.00	0.0	5.374	0.000	9	1	1	1
PL.11971	PL.11970	A	1/0ACSR	7.32Y	122.1	0.01	3.92	11.54	3	82	22	97	0.02	0.0	5.378	0.048	0	0	0	0
		B		7.15Y	119.2	0.01	6.77	11.82	4	82	22	97					0	0	0	0
		C		7.49Y	124.8	0.01	1.21	11.29	3	82	22	97					0	0	0	0
PL.30987	PL.11971	A	1/0ACSR	7.32Y	122.1	0.01	3.93	11.54	3	82	22	97	0.03	0.0	5.452	0.073	0	0	0	0
		B		7.15Y	119.2	0.02	6.79	11.82	4	82	22	97					0	0	0	0
		C		7.49Y	124.8	0.01	1.22	11.29	3	82	22	97					0	0	0	0
037306	PL.30987	C	Consumer	7.49Y	124.8	0.00	1.22	0.00	0	0	0	100	0.00	0.0	5.452	0.000	0	0	0	0

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.30988	PL.30987	A	1/0ACSR	7.32Y	122.1	0.00	3.93	11.54	3	82	22	97	0.00	0.0	5.454	0.002	0	0	0	0
		B		7.15Y	119.2	0.00	6.79	11.82	4	82	22	97					0	0	0	0
		C		7.49Y	124.8	0.00	1.22	11.29	3	82	22	97					0	0	0	0
037305	PL.30988	A	Consumer	7.32Y	122.1	0.00	3.93	11.54	0	82	22	97	0.00	0.0	5.454	0.000	82	22	0	0
		B		7.15Y	119.2	0.00	6.79	11.82	0	82	22	97					82	22	0	0
		C		7.49Y	124.8	0.00	1.22	11.29	0	82	22	97					82	22	0	0
PL.2129	PL.11969	B	4ACSR	7.15Y	119.2	0.00	6.76	1.39	1	10	2	98	0.00	0.0	5.331	0.056	0	0	0	2
037302	PL.2129	B	Consumer	7.15Y	119.2	0.00	6.76	1.00	0	7	1	99	0.00	0.0	5.331	0.000	7	1	1	1
PL.2126	PL.2129	B	4ACSR	7.15Y	119.2	0.00	6.76	0.39	0	3	0	100	0.00	0.0	5.359	0.028	0	0	0	1
037303	PL.2126	B	Consumer	7.15Y	119.2	0.00	6.76	0.39	0	3	0	100	0.00	0.0	5.359	0.000	3	0	1	1
037301	PL.11969	B	Consumer	7.15Y	119.2	0.00	6.75	0.38	0	3	0	100	0.00	0.0	5.275	0.000	3	0	1	1
PL.45942	PL.11967	A	4ACSR	7.33Y	122.1	0.00	3.86	1.95	1	14	2	99	0.00	0.0	5.137	0.013	0	0	0	2
PD.8693	PL.45942	A	fuse6AMP	7.33Y	122.1	0.00	3.86	1.95	33	14	2	99	0.00	0.0	5.137	0.000	0	0	0	2
PL.45943	PD.8693	A	4ACSR	7.33Y	122.1	0.02	3.88	1.95	1	14	2	99	0.00	0.0	5.326	0.189	0	0	0	2
PL.6371	PL.45943	A	4ACSR	7.33Y	122.1	0.00	3.88	0.18	0	1	0	100	0.00	0.0	5.399	0.073	0	0	0	1
036365	PL.6371	A	Consumer	7.33Y	122.1	0.00	3.88	0.18	0	1	0	100	0.00	0.0	5.399	0.000	1	0	1	1
036368	PL.45943	A	Consumer	7.33Y	122.1	0.00	3.88	1.77	0	13	2	99	0.00	0.0	5.326	0.000	13	2	1	1
PL.2101	PL.11963	B	4ACSR	7.16Y	119.3	0.00	6.68	1.45	1	10	2	98	0.00	0.0	5.043	0.039	0	0	0	2
036369	PL.2101	B	Consumer	7.16Y	119.3	0.00	6.68	0.99	0	7	1	99	0.00	0.0	5.043	0.000	7	1	1	1
PL.11965	PL.2101	B	4ACSR	7.16Y	119.3	0.00	6.68	0.00	0	0	0	100	0.00	0.0	5.073	0.029	0	0	0	0
PL.11964	PL.2101	B	4ACSR	7.16Y	119.3	0.00	6.68	0.46	0	3	1	95	0.00	0.0	5.059	0.016	0	0	0	1
036315	PL.11964	B	Consumer	7.16Y	119.3	0.00	6.68	0.46	0	3	1	95	0.00	0.0	5.059	0.000	3	1	1	1
036307	PL.11963	B	Consumer	7.16Y	119.3	0.00	6.68	1.07	0	8	1	99	0.00	0.0	5.004	0.000	8	1	1	1
036353	PL.11963	B	Consumer	7.16Y	119.3	0.00	6.68	1.60	0	11	2	98	0.00	0.0	5.004	0.000	11	2	1	1
PL.6357	PL.11959	B	4ACSR	7.16Y	119.4	0.00	6.61	1.34	1	9	2	98	0.00	0.0	4.875	0.053	0	0	0	2
036305	PL.6357	B	Consumer	7.16Y	119.4	0.00	6.61	1.34	0	9	2	98	0.00	0.0	4.875	0.000	9	2	1	1
PL.6358	PL.6357	B	4ACSR	7.16Y	119.4	0.00	6.61	0.00	0	0	0	100	0.00	0.0	4.875	0.000	0	0	0	1
PL.29278	PL.6358	B	4ACSR	7.16Y	119.4	0.00	6.61	0.00	0	0	0	100	0.00	0.0	4.945	0.069	0	0	0	1
036341	PL.29278	B	Consumer	7.16Y	119.4	0.00	6.61	0.00	0	0	0	100	0.00	0.0	4.945	0.000	0	0	1	1
PL.2102	PL.11958	A	4ACSR	7.34Y	122.3	0.01	3.66	2.24	1	16	3	98	0.00	0.0	4.750	0.086	0	0	0	2
036313	PL.2102	A	Consumer	7.34Y	122.3	0.00	3.66	1.89	0	14	2	99	0.00	0.0	4.750	0.000	14	2	1	1
036329	PL.2102	A	Consumer	7.34Y	122.3	0.00	3.66	0.34	0	2	0	100	0.00	0.0	4.750	0.000	2	0	1	1
PL.2103	PL.11958	B	4ACSR	7.17Y	119.4	0.00	6.56	0.45	0	3	1	95	0.00	0.0	4.698	0.033	0	0	0	1
036337	PL.2103	B	Consumer	7.17Y	119.4	0.00	6.56	0.45	0	3	1	95	0.00	0.0	4.698	0.000	3	1	1	1
PL.20134	PL.11955	B	4ACSR	7.17Y	119.5	0.00	6.49	4.20	2	30	5	99	0.00	0.0	4.405	0.006	0	0	0	7
PD.1280	PL.20134	B	fuse6AMP	7.17Y	119.5	0.00	6.49	4.20	72	30	5	99	0.00	0.0	4.405	0.000	0	0	0	7
PL.28062	PD.1280	B	4ACSR	7.17Y	119.5	0.01	6.50	4.20	2	30	5	99	0.00	0.0	4.466	0.061	0	0	0	7
PL.23272	PL.28062	B	4ACSR	7.17Y	119.5	0.03	6.52	3.79	2	27	4	99	0.01	0.0	4.620	0.154	0	0	0	6
036335	PL.23272	B	Consumer	7.17Y	119.5	0.00	6.52	0.30	0	2	0	100	0.00	0.0	4.620	0.000	2	0	1	1
PL.21111	PL.23272	B	4ACSR	7.17Y	119.5	0.02	6.54	2.83	1	20	3	99	0.00	0.0	4.779	0.159	0	0	0	3

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.43970	PL.21111	B	1/0EPRJCN	7.17Y	119.5	-0.00	6.54	-0.05	0	0	0	100	0.00	0.0	4.861	0.081	0	0	0	0
0363074	PL.43970	B	Consumer	7.17Y	119.5	0.00	6.54	0.00	0	0	0	100	0.00	0.0	4.861	0.000	0	0	0	0
036311	PL.21111	B	Consumer	7.17Y	119.5	0.00	6.54	2.52	0	18	3	99	0.00	0.0	4.779	0.000	18	3	1	1
0363071	PL.21111	B	Consumer	7.17Y	119.5	0.00	6.54	0.03	0	0	0	100	0.00	0.0	4.779	0.000	0	0	1	1
036302	PL.21111	B	Consumer	7.17Y	119.5	0.00	6.54	0.28	0	2	0	100	0.00	0.0	4.779	0.000	2	0	1	1
PL.18052	PL.23272	B	4ACSR	7.17Y	119.5	0.00	6.52	0.66	0	5	1	98	0.00	0.0	4.622	0.002	0	0	0	2
PL.21112	PL.18052	B	4ACSR	7.17Y	119.5	0.00	6.53	0.66	0	5	1	98	0.00	0.0	4.686	0.064	0	0	0	1
036334	PL.21112	B	Consumer	7.17Y	119.5	0.00	6.53	0.66	0	5	1	98	0.00	0.0	4.686	0.000	5	1	1	1
PL.18189	PL.18052	B	4ACSR	7.17Y	119.5	0.00	6.52	0.00	0	0	0	100	0.00	0.0	4.632	0.010	0	0	0	1
PD.1278	PL.18189	B	fuse6AMP	7.17Y	119.5	0.00	6.52	0.00	0	0	0	100	0.00	0.0	4.632	0.000	0	0	0	1
PL.18190	PD.1278	B	4ACSR	7.17Y	119.5	0.00	6.52	0.00	0	0	0	100	0.00	0.0	4.658	0.026	0	0	0	1
036361	PL.18190	B	Consumer	7.17Y	119.5	0.00	6.52	0.00	0	0	0	100	0.00	0.0	4.658	0.000	0	0	1	1
036303	PL.28062	B	Consumer	7.17Y	119.5	0.00	6.50	0.41	0	3	0	100	0.00	0.0	4.466	0.000	3	0	1	1
036356	PL.11955	A	Consumer	7.35Y	122.5	0.00	3.46	0.00	0	0	0	100	0.00	0.0	4.399	0.000	0	0	1	1
PL.18055	PL.20576	A	4ACSR	7.36Y	122.7	0.00	3.32	1.53	1	11	2	98	0.00	0.0	4.225	0.006	0	0	0	3
PD.1281	PL.18055	A	fuse6AMP	7.36Y	122.7	0.00	3.32	1.53	26	11	2	98	0.00	0.0	4.225	0.000	0	0	0	3
PL.18056	PD.1281	A	4ACSR	7.36Y	122.7	0.01	3.32	1.53	1	11	2	98	0.00	0.0	4.315	0.090	0	0	0	3
PL.2123	PL.18056	A	4ACSR	7.36Y	122.7	0.00	3.33	1.53	1	11	2	98	0.00	0.0	4.355	0.040	0	0	0	3
036430	PL.2123	A	Consumer	7.36Y	122.7	0.00	3.33	0.53	0	4	1	97	0.00	0.0	4.355	0.000	4	1	1	1
PL.29169	PL.2123	A	4ACSR	7.36Y	122.7	0.00	3.33	0.99	1	7	1	99	0.00	0.0	4.420	0.066	0	0	0	2
PL.2124	PL.29169	A	4ACSR	7.36Y	122.7	0.00	3.33	0.00	0	0	0	100	0.00	0.0	4.488	0.068	0	0	0	0
036416	PL.29169	A	Consumer	7.36Y	122.7	0.00	3.33	0.00	0	0	0	100	0.00	0.0	4.420	0.000	0	0	1	1
036410	PL.29169	A	Consumer	7.36Y	122.7	0.00	3.33	0.99	0	7	1	99	0.00	0.0	4.420	0.000	7	1	1	1
PL.27882	PL.11951	A	1/0ACSR	7.37Y	122.8	0.00	3.18	8.91	3	57	32	87	0.00	0.0	4.089	0.004	0	0	0	2
		B		7.19Y	119.8	0.00	6.19	8.24	2	50	31	85					0	0	0	1
		C		7.50Y	124.9	0.00	1.07	7.96	2	51	31	85					0	0	0	2
PD.287-A	PL.27882	A	Closed	7.37Y	122.8	0.00	3.18	8.91	0	57	32	87	0.00	0.0	4.089	0.000	0	0	0	2
		B		7.19Y	119.8	0.00	6.19	8.24	0	50	31	85					0	0	0	1
		C		7.50Y	124.9	0.00	1.07	7.96	0	51	31	85					0	0	0	2
PD.287-B	PD.287-A	A	Closed	7.37Y	122.8	0.00	3.18	8.91	0	57	32	87	0.00	0.0	4.089	0.000	0	0	0	2
		B		7.19Y	119.8	0.00	6.19	8.24	0	50	31	85					0	0	0	1
		C		7.50Y	124.9	0.00	1.07	7.96	0	51	31	85					0	0	0	2
PL.27883	PD.287-B	A	1/0ACSR	7.37Y	122.8	0.02	3.20	8.91	3	57	32	87	0.02	0.0	4.186	0.097	0	0	0	2
		B		7.19Y	119.8	0.02	6.20	8.24	2	50	31	85					0	0	0	1
		C		7.49Y	124.9	0.02	1.08	7.96	2	51	31	85					0	0	0	2
036427	PL.27883	A	Consumer	7.37Y	122.8	0.00	3.20	0.00	0	0	0	100	0.00	0.0	4.186	0.000	0	0	0	0
		B		7.19Y	119.8	0.00	6.20	0.01	0	0	0	90					0	0	0	0
		C		7.49Y	124.9	0.00	1.08	0.00	0	0	0	90					0	0	0	0
0364033	036427	A	Consumer	7.37Y	122.8	0.00	3.20	0.00	0	0	0	100	0.00	0.0	4.186	0.000	0	0	0	0
		B		7.19Y	119.8	0.00	6.20	0.00	0	0	0	100					0	0	0	0
		C		7.49Y	124.9	0.00	1.08	0.00	0	0	0	100					0	0	0	0
036426	PL.27883	A	Consumer	7.37Y	122.8	0.00	3.20	0.11	0	1	0	100	0.00	0.0	4.186	0.000	1	0	0	0
		B		7.19Y	119.8	0.00	6.20	0.11	0	1	0	90					1	0	0	0
		C		7.49Y	124.9	0.00	1.08	0.10	0	1	0	90					1	0	0	0

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
036429	PL.27883	A	Consumer	7.37Y	122.8	0.00	3.20	0.00	0	0	0	100	0.00	0.0	4.186	0.000	0	0	0	0
		B		7.19Y	119.8	0.00	6.20	0.00	0	0	0	100					0	0	0	0
		C		7.49Y	124.9	0.00	1.08	0.00	0	0	0	100					0	0	0	0
PL.18063	PL.27883	A	1/0ACSR	7.37Y	122.8	0.00	3.21	8.80	3	56	32	87	0.00	0.0	4.210	0.024	0	0	0	1
		B		7.19Y	119.8	0.00	6.21	8.12	2	50	31	85					0	0	0	0
		C		7.49Y	124.9	0.00	1.09	7.85	2	50	31	85					0	0	0	1
PL.27675	PL.18063	A	4ACSR	7.37Y	122.8	0.00	3.21	0.94	0	7	1	99	0.00	0.0	4.213	0.003	0	0	0	1
PD.544	PL.27675	A	fuse6AMP	7.37Y	122.8	0.00	3.21	0.94	16	7	1	99	0.00	0.0	4.213	0.000	0	0	0	1
PL.27676	PD.544	A	4ACSR	7.37Y	122.8	0.01	3.21	0.94	0	7	1	99	0.00	0.0	4.340	0.127	0	0	0	1
036428	PL.27676	A	Consumer	7.37Y	122.8	0.00	3.21	0.94	0	7	1	99	0.00	0.0	4.340	0.000	7	1	1	1
PL.11953	PL.18063	A	1/0ACSR	7.37Y	122.8	0.01	3.22	7.93	2	50	31	85	0.01	0.0	4.298	0.088	0	0	0	0
		B		7.19Y	119.8	0.01	6.22	8.12	2	50	31	85					0	0	0	0
		C		7.49Y	124.9	0.01	1.10	7.85	2	50	31	85					0	0	0	1
036425	PL.11953	A	Consumer	7.37Y	122.8	0.00	3.22	7.93	0	50	31	85	0.00	0.0	4.298	0.000	50	31	0	0
		B		7.19Y	119.8	0.00	6.22	8.12	0	50	31	85					50	31	0	0
		C		7.49Y	124.9	0.00	1.10	7.79	0	50	31	85					50	31	0	0
PL.29275	PL.11953	A	1/0ACSR	7.37Y	122.8	0.00	3.22	0.00	0	0	0	100	0.00	0.0	4.320	0.021	0	0	0	0
		B		7.19Y	119.8	0.00	6.22	0.00	0	0	0	100					0	0	0	0
		C		7.49Y	124.9	0.00	1.10	0.00	0	0	0	100					0	0	0	0
PL.39772	PL.11953	C	2ACSR	7.49Y	124.9	0.00	1.10	0.07	0	0	0	100	0.00	0.0	4.483	0.184	0	0	0	1
0364032	PL.39772	C	Consumer	7.49Y	124.9	0.00	1.10	0.07	0	0	0	100	0.00	0.0	4.483	0.000	0	0	1	1
PL.18061	PL.11947	B	4ACSR	7.19Y	119.9	0.00	6.11	0.16	0	1	0	100	0.00	0.0	4.046	0.005	0	0	0	1
PD.546	PL.18061	B	fuse6AMP	7.19Y	119.9	0.00	6.11	0.16	3	1	0	100	0.00	0.0	4.046	0.000	0	0	0	1
PL.45784	PD.546	B	4ACSR	7.19Y	119.9	0.00	6.11	0.16	0	1	0	100	0.00	0.0	4.063	0.016	0	0	0	1
PL.45785	PL.45784	B	4ACSR	7.19Y	119.9	0.00	6.11	0.16	0	1	0	100	0.00	0.0	4.086	0.024	0	0	0	1
035401	PL.45785	B	Consumer	7.19Y	119.9	0.00	6.11	0.16	0	1	0	100	0.00	0.0	4.086	0.000	1	0	1	1
0354111	PL.45784	B	Consumer	7.19Y	119.9	0.00	6.11	0.00	0	0	0	100	0.00	0.0	4.063	0.000	0	0	0	0
035447	PL.11945	C	Consumer	7.49Y	124.9	0.00	1.11	0.10	0	1	0	100	0.00	0.0	3.848	0.000	1	0	1	1
035439	PL.11945	C	Consumer	7.49Y	124.9	0.00	1.11	1.04	0	8	1	99	0.00	0.0	3.848	0.000	8	1	1	1
035484	PL.11945	C	Consumer	7.49Y	124.9	0.00	1.11	1.72	0	13	2	99	0.00	0.0	3.848	0.000	13	2	1	1
PL.19061	PL.11281	A	1/0ACSR	7.42Y	123.7	0.00	2.31	0.02	0	0	0	100	0.00	0.0	3.295	0.021	0	0	0	1
		B		7.28Y	121.3	0.00	4.72	0.00	0	0	0	100					0	0	0	0
		C		7.50Y	125.0	0.00	1.03	0.00	0	0	0	100					0	0	0	0
035479	PL.19061	A	Consumer	7.42Y	123.7	0.00	2.31	0.02	0	0	0	100	0.00	0.0	3.295	0.000	0	0	1	1
PL.19060	PL.19061	A	1/0ACSR	7.42Y	123.7	0.00	2.31	0.00	0	0	0	100	0.00	0.0	3.301	0.006	0	0	0	0
		B		7.28Y	121.3	0.00	4.72	0.00	0	0	0	100					0	0	0	0
		C		7.50Y	125.0	0.00	1.03	0.00	0	0	0	100					0	0	0	0
PD.7011-B	PL.19060	A	Open	7.42Y	123.7	0.00	2.31	0.00	0	0	0	100	0.00	0.0	3.301	0.000	0	0	0	0
		B		7.28Y	121.3	0.00	4.72	0.00	0	0	0	100					0	0	0	0
		C		7.50Y	125.0	0.00	1.03	0.00	0	0	0	100					0	0	0	0
PL.27738	PL.18472	B	4ACSR	7.29Y	121.5	0.00	4.52	4.14	2	30	3	100	0.00	0.0	3.187	0.016	0	0	0	5
PD.1284	PL.27738	B	fuse6AMP	7.29Y	121.5	0.00	4.52	4.14	71	30	3	100	0.00	0.0	3.187	0.000	0	0	0	5
PL.27739	PD.1284	B	4ACSR	7.29Y	121.5	0.00	4.52	4.14	2	30	3	100	0.00	0.0	3.213	0.026	0	0	0	5
035406	PL.27739	B	Consumer	7.29Y	121.5	0.00	4.52	0.72	0	5	1	98	0.00	0.0	3.213	0.000	5	1	1	1
PL.31904	PL.27739	B	4ACSR	7.29Y	121.5	0.01	4.53	3.41	2	25	3	99	0.00	0.0	3.274	0.061	0	0	0	4
PL.31905	PL.31904	B	4ACSR	7.29Y	121.5	0.01	4.55	3.41	2	25	3	99	0.00	0.0	3.369	0.094	0	0	0	3

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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.3869	PL.31905	B	fuse6AMP	7.29Y	121.5	0.00	4.55	3.41	58	25	3	99	0.00	0.0	3.369	0.000	0	0	0	3
PL.31906	PD.3869	B	1/0EPRJCN	7.29Y	121.4	0.02	4.56	3.41	2	25	3	99	0.00	0.0	3.584	0.215	0	0	0	3
PL.31907	PL.31906	B	1/0EPRJCN	7.29Y	121.4	0.00	4.56	1.50	1	11	1	100	0.00	0.0	3.655	0.072	0	0	0	2
0353072	PL.31907	B	Consumer	7.29Y	121.4	0.00	4.56	0.07	0	0	0	100	0.00	0.0	3.655	0.000	0	0	1	1
0353071	PL.31907	B	Consumer	7.29Y	121.4	0.00	4.56	1.44	0	10	2	98	0.00	0.0	3.655	0.000	10	2	1	1
PL.40636	PL.31906	B	1/0EPRJCN	7.29Y	121.4	0.00	4.56	1.93	1	14	2	99	0.00	0.0	3.640	0.057	0	0	0	1
0353074	PL.40636	B	Consumer	7.29Y	121.4	0.00	4.56	1.94	0	14	2	99	0.00	0.0	3.640	0.000	14	2	1	1
0353075	PL.40636	B	Consumer	7.29Y	121.4	0.00	4.56	0.00	0	0	0	100	0.00	0.0	3.640	0.000	0	0	0	0
0354104	PL.31904	B	Consumer	7.29Y	121.5	0.00	4.53	0.00	0	0	0	100	0.00	0.0	3.274	0.000	0	0	1	1
PL.41515	PL.41513	B	2ACSR	7.35Y	122.4	0.00	3.55	0.00	0	0	0	100	0.00	0.0	2.696	0.002	0	0	0	0
PD.7456	PL.41515	B	fuse6AMP	7.35Y	122.4	0.00	3.55	0.00	0	0	0	100	0.00	0.0	2.696	0.000	0	0	0	0
PL.41516	PD.7456	B	2ACSR	7.35Y	122.4	0.00	3.55	0.00	0	0	0	100	0.00	0.0	2.715	0.019	0	0	0	0
0344023	PL.41516	B	Consumer	7.35Y	122.4	0.00	3.55	0.00	0	0	0	100	0.00	0.0	2.715	0.000	0	0	0	0
PL.27975	PL.11279	A	4ACSR	7.47Y	124.5	0.00	1.53	1.75	1	13	2	99	0.00	0.0	2.503	0.059	0	0	0	3
PL.27976	PL.27975	A	4ACSR	7.47Y	124.5	0.00	1.53	0.07	0	1	0	100	0.00	0.0	2.538	0.036	0	0	0	1
034403	PL.27976	A	Consumer	7.47Y	124.5	0.00	1.53	0.07	0	1	0	100	0.00	0.0	2.538	0.000	1	0	1	1
034408	PL.27975	A	Consumer	7.47Y	124.5	0.00	1.53	0.92	0	7	1	99	0.00	0.0	2.503	0.000	7	1	1	1
034420	PL.27975	A	Consumer	7.47Y	124.5	0.00	1.53	0.75	0	6	1	99	0.00	0.0	2.503	0.000	6	1	1	1
549606	PL.7384	C	Consumer	7.52Y	125.4	0.00	0.64	0.00	0	0	0	100	0.00	0.0	2.260	0.000	0	0	0	0
034401	PL.7384	C	Consumer	7.52Y	125.4	0.00	0.64	0.68	0	5	1	98	0.00	0.0	2.260	0.000	5	1	1	1
548503	PL.19727	A	Consumer	7.49Y	124.9	0.00	1.10	0.59	0	4	1	97	0.00	0.0	2.018	0.000	4	1	1	1
547506	PL.7377	C	Consumer	7.53Y	125.5	0.00	0.49	2.92	0	20	10	89	0.00	0.0	1.924	0.000	20	10	1	1
547502	PL.7377	C	Consumer	7.53Y	125.5	0.00	0.49	0.16	0	1	0	100	0.00	0.0	1.924	0.000	1	0	1	1
547507	PL.7377	C	Consumer	7.53Y	125.5	0.00	0.49	1.41	0	10	2	98	0.00	0.0	1.924	0.000	10	2	1	1
PL.18027	PL.18613	A	2ACSR	7.51Y	125.1	-0.00	0.92	0.06	0	0	0	100	0.00	0.0	1.842	0.013	0	0	0	0
		B		7.45Y	124.2	0.00	1.81	0.06	0	0	0	99					0	0	0	0
		C		7.53Y	125.6	0.00	0.43	1.49	1	10	5	90					0	0	0	1
PL.18026	PL.18027	A	2ACSR	7.51Y	125.1	0.00	0.92	0.00	0	0	0	100	0.00	0.0	1.852	0.009	0	0	0	0
		B		7.45Y	124.2	0.00	1.81	0.00	0	0	0	100					0	0	0	0
		C		7.53Y	125.6	0.00	0.43	0.00	0	0	0	100					0	0	0	0
PD.189-B	PL.18026	A	Open	7.51Y	125.1	0.00	0.92	0.00	0	0	0	100	0.00	0.0	1.852	0.000	0	0	0	0
		B		7.45Y	124.2	0.00	1.81	0.00	0	0	0	100					0	0	0	0
		C		7.53Y	125.6	0.00	0.43	0.00	0	0	0	100					0	0	0	0
546501	PL.18027	C	Consumer	7.53Y	125.6	0.00	0.43	1.43	0	10	5	89	0.00	0.0	1.842	0.000	10	5	1	1
546502	PL.18027	A	Consumer	7.51Y	125.1	0.00	0.92	0.06	0	0	0	100	0.00	0.0	1.842	0.000	0	0	0	0
		B		7.45Y	124.2	0.00	1.81	0.06	0	0	0	99					0	0	0	0
		C		7.53Y	125.6	0.00	0.43	0.06	0	0	0	99					0	0	0	0
546507	PL.18027	A	Consumer	7.51Y	125.1	0.00	0.92	0.00	0	0	0	100	0.00	0.0	1.842	0.000	0	0	0	0
		B		7.45Y	124.2	0.00	1.81	0.00	0	0	0	100					0	0	0	0
		C		7.53Y	125.6	0.00	0.43	0.00	0	0	0	100					0	0	0	0
545503	PL.11273	C	Consumer	7.53Y	125.6	0.00	0.42	0.17	0	1	0	100	0.00	0.0	1.685	0.000	1	0	1	1
545504	PL.11273	C	Consumer	7.53Y	125.6	0.00	0.42	0.30	0	2	0	100	0.00	0.0	1.685	0.000	2	0	1	1
545502	PL.11273	C	Consumer	7.53Y	125.6	0.00	0.42	0.59	0	4	1	97	0.00	0.0	1.685	0.000	4	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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
542706	PL.7387	C	Consumer	7.54Y	125.6	0.00	0.39	0.04	0	0	0	100	0.00	0.0	1.383	0.000	0	0	1	1
542707	PL.7386	B	Consumer	7.48Y	124.6	0.00	1.40	0.45	0	3	1	95	0.00	0.0	1.346	0.000	3	1	1	1
033480	PL.42182	A	Consumer	7.53Y	125.4	0.00	0.57	1.29	0	8	5	85	0.00	0.0	0.990	0.000	8	5	0	0
		B		7.49Y	124.9	0.00	1.09	1.29	0	8	5	85					8	5	0	0
		C		7.54Y	125.7	0.00	0.35	1.29	0	8	5	85					8	5	0	0
033430	PL.42182	A	Consumer	7.53Y	125.4	0.00	0.57	1.58	0	10	6	86	0.00	0.0	0.990	0.000	10	6	0	0
		B		7.49Y	124.9	0.00	1.09	1.59	0	10	6	85					10	6	0	0
		C		7.54Y	125.7	0.00	0.35	1.58	0	10	6	85					10	6	0	0
PL.23848	PL.26210	A	397ACSR	7.53Y	125.5	0.00	0.52	0.00	0	0	0	100	0.00	0.0	0.914	0.022	0	0	0	0
		B		7.50Y	125.0	0.00	1.00	5.12	1	38	6	99					0	0	0	9
		C		7.54Y	125.7	-0.00	0.33	0.00	0	0	0	100					0	0	0	0
033459	PL.23848	B	Consumer	7.50Y	125.0	0.00	1.00	0.80	0	6	1	99	0.00	0.0	0.914	0.000	6	1	1	1
033457	PL.23848	B	Consumer	7.50Y	125.0	0.00	1.00	0.35	0	3	0	100	0.00	0.0	0.914	0.000	3	0	1	1
033461	PL.23848	B	Consumer	7.50Y	125.0	0.00	1.00	0.62	0	5	1	98	0.00	0.0	0.914	0.000	5	1	1	1
033462	PL.23848	B	Consumer	7.50Y	125.0	0.00	1.00	0.62	0	5	1	98	0.00	0.0	0.914	0.000	5	1	1	1
033458	PL.23848	B	Consumer	7.50Y	125.0	0.00	1.00	0.95	0	7	1	99	0.00	0.0	0.914	0.000	7	1	1	1
033495	PL.23848	B	Consumer	7.50Y	125.0	0.00	1.00	0.02	0	0	0	100	0.00	0.0	0.914	0.000	0	0	1	1
033460	PL.23848	B	Consumer	7.50Y	125.0	0.00	1.00	0.65	0	5	1	98	0.00	0.0	0.914	0.000	5	1	1	1
033464	PL.23848	B	Consumer	7.50Y	125.0	0.00	1.00	0.58	0	4	1	97	0.00	0.0	0.914	0.000	4	1	1	1
033463	PL.23848	B	Consumer	7.50Y	125.0	0.00	1.00	0.52	0	4	1	97	0.00	0.0	0.914	0.000	4	1	1	1
033456	PL.26210	A	Consumer	7.53Y	125.5	0.00	0.52	0.69	0	5	1	98	0.00	0.0	0.892	0.000	5	1	1	1
033485	PL.26210	C	Consumer	7.54Y	125.7	0.00	0.33	0.00	0	0	0	100	0.00	0.0	0.892	0.000	0	0	0	0
033454	PL.26210	A	Consumer	7.53Y	125.5	0.00	0.52	0.71	0	5	1	98	0.00	0.0	0.892	0.000	5	1	1	1
033453	PL.26210	A	Consumer	7.53Y	125.5	0.00	0.52	0.64	0	5	1	98	0.00	0.0	0.892	0.000	5	1	1	1
033455	PL.26210	A	Consumer	7.53Y	125.5	0.00	0.52	0.37	0	3	0	100	0.00	0.0	0.892	0.000	3	0	1	1
033448	PL.24648	A	Consumer	7.53Y	125.5	0.00	0.47	0.77	0	6	1	99	0.00	0.0	0.799	0.000	6	1	1	1
033447	PL.24648	A	Consumer	7.53Y	125.5	0.00	0.47	0.69	0	5	1	98	0.00	0.0	0.799	0.000	5	1	1	1
033445	PL.24648	A	Consumer	7.53Y	125.5	0.00	0.47	0.76	0	6	1	99	0.00	0.0	0.799	0.000	6	1	1	1
033446	PL.24648	A	Consumer	7.53Y	125.5	0.00	0.47	0.80	0	6	1	99	0.00	0.0	0.799	0.000	6	1	1	1
PL.23867	PL.24648	C	4ACSR	7.54Y	125.7	0.00	0.31	0.05	0	0	0	100	0.00	0.0	0.860	0.060	0	0	0	1
033427	PL.23867	C	Consumer	7.54Y	125.7	0.00	0.31	0.05	0	0	0	100	0.00	0.0	0.860	0.000	0	0	1	1
033418	PL.26207	C	Consumer	7.54Y	125.7	0.00	0.26	1.80	0	12	6	89	0.00	0.0	0.674	0.000	12	6	1	1
033483	PL.26207	B	Consumer	7.51Y	125.2	0.00	0.75	2.02	0	15	2	99	0.00	0.0	0.674	0.000	15	2	1	1
033481	PL.26206	C	Consumer	7.55Y	125.8	0.00	0.16	0.06	0	0	0	100	0.00	0.0	0.538	0.000	0	0	1	1
033410	PL.26206	C	Consumer	7.55Y	125.8	0.00	0.16	0.05	0	0	0	100	0.00	0.0	0.538	0.000	0	0	1	1
033431	PL.26206	C	Consumer	7.55Y	125.8	0.00	0.16	1.29	0	10	2	98	0.00	0.0	0.538	0.000	10	2	1	1
033466	PL.26206	B	Consumer	7.53Y	125.5	0.00	0.52	0.69	0	5	1	98	0.00	0.0	0.538	0.000	5	1	1	1
PL.18037	PL.26202	A	4ACSR	7.55Y	125.8	0.00	0.21	0.81	0	6	1	99	0.00	0.0	0.429	0.005	0	0	0	3
PD.1213	PL.18037	A	fuse6AMP	7.55Y	125.8	0.00	0.21	0.81	14	6	1	99	0.00	0.0	0.429	0.000	0	0	0	3
PL.18038	PD.1213	A	4ACSR	7.55Y	125.8	0.00	0.22	0.81	0	6	1	99	0.00	0.0	0.479	0.050	0	0	0	3
PL.24651	PL.18038	A	4ACSR	7.55Y	125.8	0.00	0.22	0.81	0	6	1	99	0.00	0.0	0.480	0.002	0	0	0	3

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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.24652	PL.24651	A	4ACSR	7.55Y	125.8	0.00	0.22	0.81	0	6	1	99	0.00	0.0	0.504	0.024	0	0	0	3
PL.24531	PL.24652	A	4ACSR	7.55Y	125.8	0.00	0.22	0.81	0	6	1	99	0.00	0.0	0.540	0.036	0	0	0	3
032459	PL.24531	A	Consumer	7.55Y	125.8	0.00	0.22	0.13	0	1	0	100	0.00	0.0	0.540	0.000	1	0	1	1
032458	PL.24531	A	Consumer	7.55Y	125.8	0.00	0.22	0.53	0	4	1	97	0.00	0.0	0.540	0.000	4	1	1	1
PL.4870	PL.24531	A	4ACSR	7.55Y	125.8	0.00	0.22	0.14	0	1	0	100	0.00	0.0	0.605	0.065	0	0	0	1
032449	PL.4870	A	Consumer	7.55Y	125.8	0.00	0.22	0.14	0	1	0	100	0.00	0.0	0.605	0.000	1	0	1	1
PL.1727	PL.20447	A	397ACSR	7.56Y	126.0	0.00	0.04	2.24	0	15	7	91	0.00	0.0	0.098	0.026	0	0	0	0
		B		7.56Y	125.9	0.00	0.07	2.24	0	15	7	90					0	0	0	0
		C		7.56Y	126.0	0.00	0.02	2.24	0	15	7	90					0	0	0	0
032444	PL.1727	A	Consumer	7.56Y	126.0	0.00	0.04	2.24	0	15	7	91	0.00	0.0	0.098	0.000	15	7	0	0
		B		7.56Y	125.9	0.00	0.07	2.24	0	15	7	90					15	7	0	0
		C		7.56Y	126.0	0.00	0.02	2.24	0	15	7	90					15	7	0	0
0324099	PL.20447	A	Consumer	7.56Y	126.0	0.00	0.04	0.08	0	1	0	100	0.00	0.0	0.072	0.000	1	0	0	0
		B		7.56Y	125.9	0.00	0.07	0.08	0	1	0	90					1	0	0	0
		C		7.56Y	126.0	0.00	0.02	0.08	0	1	0	90					1	0	0	0
PL.31442	FRENCHBURG	A	336ACSR	7.56Y	126.0	0.01	0.01	271.29	37	2003	441	98	0.15	0.0	0.005	0.005	0	0	0	617
		B		7.56Y	126.0	-0.00	-0.00	109.71	15	824	93	99					0	0	0	279
		C		7.56Y	126.0	0.01	0.01	95.42	13	718	67	100					0	0	0	181
ST.7	PL.31442	A	Transforme	15.05Y	125.4	0.57	0.58	271.29	39	2003	441	98	3.91	0.1	0.005	0.000	0	0	0	617
		B		15.10Y	125.8	0.16	0.15	109.71	16	824	93	99					0	0	0	279
		C		15.10Y	125.9	0.12	0.13	95.42	14	718	67	100					0	0	0	181
PL.31443	ST.7	A	336ACSR	15.05Y	125.4	0.00	0.59	135.64	19	2000	411	98	0.03	0.0	0.009	0.004	0	0	0	617
		B		15.10Y	125.8	-0.00	0.15	54.85	8	824	88	99					0	0	0	279
		C		15.10Y	125.9	0.00	0.13	47.71	7	718	63	100					0	0	0	181
PL.32856	PL.31443	A	336ACSR	15.05Y	125.4	0.00	0.59	135.64	19	2000	411	98	0.02	0.0	0.012	0.002	0	0	0	617
		B		15.10Y	125.8	-0.00	0.15	54.85	8	824	88	99					0	0	0	279
		C		15.10Y	125.9	0.00	0.13	47.71	7	718	63	100					0	0	0	181
---------- Feeder No. 4 (FRNBURG4) Beginning with Device PD.3889 ----------																				
PD.3889	PL.32856	A	VWVE	15.05Y	125.4	0.00	0.59	135.64	0	2000	411	98	0.00	0.0	0.012	0.000	0	0	0	617
		B		15.10Y	125.8	0.00	0.15	54.85	0	824	88	99					0	0	0	279
		C		15.10Y	125.9	0.00	0.13	47.71	0	718	63	100					0	0	0	181
PL.32857	PD.3889	A	336ACSR	15.05Y	125.4	0.00	0.59	135.64	19	2000	411	98	0.03	0.0	0.016	0.005	0	0	0	617
		B		15.10Y	125.8	-0.00	0.15	54.85	8	824	88	99					0	0	0	279
		C		15.10Y	125.9	0.00	0.13	47.71	7	718	63	100					0	0	0	181
PL.27340	PL.32857	A	336ACSR	15.05Y	125.4	0.00	0.59	135.64	19	2000	411	98	0.03	0.0	0.020	0.004	0	0	0	617
		B		15.10Y	125.8	-0.00	0.15	54.85	8	824	88	99					0	0	0	279
		C		15.10Y	125.9	0.00	0.13	47.71	7	718	63	100					0	0	0	181
PL.9735	PL.27340	A	336ACSR	15.04Y	125.3	0.08	0.67	134.94	18	1989	409	98	0.90	0.0	0.144	0.124	0	0	0	616
		B		15.10Y	125.9	-0.02	0.13	54.85	8	824	88	99					0	0	0	279
		C		15.10Y	125.8	0.03	0.16	47.71	7	718	63	100					0	0	0	181
PD.264-A	PL.9735	A	Closed	15.04Y	125.3	0.00	0.67	134.94	0	1988	407	98	0.00	0.0	0.144	0.000	0	0	0	616
		B		15.10Y	125.9	0.00	0.13	54.85	0	824	88	99					0	0	0	279
		C		15.10Y	125.8	0.00	0.16	47.71	0	718	63	100					0	0	0	181
PD.264-B	PD.264-A	A	Closed	15.04Y	125.3	0.00	0.67	134.94	0	1988	407	98	0.00	0.0	0.144	0.000	0	0	0	616
		B		15.10Y	125.9	0.00	0.13	54.85	0	824	88	99					0	0	0	279
		C		15.10Y	125.8	0.00	0.16	47.71	0	718	63	100					0	0	0	181
PL.9657	PD.264-B	A	336ACSR	15.02Y	125.2	0.17	0.84	134.94	18	1988	407	98	1.99	0.1	0.416	0.272	0	0	0	616
		B		15.11Y	125.9	-0.04	0.10	54.85	8	824	88	99					0	0	0	279
		C		15.09Y	125.8	0.07	0.23	47.71	7	718	63	100					0	0	0	181
PL.27287	PL.9657	C	4ACSR	15.09Y	125.8	0.00	0.23	0.38	0	6	1	99	0.00	0.0	0.419	0.003	0	0	0	2
PD.1207	PL.27287	C	fuse6AMP	15.09Y	125.8	0.00	0.23	0.38	7	6	1	99	0.00	0.0	0.419	0.000	0	0	0	2
PL.27288	PD.1207	C	4ACSR	15.09Y	125.8	0.00	0.23	0.38	0	6	1	99	0.00	0.0	0.461	0.041	0	0	0	2

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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
032411	PL.27288	C	Consumer	15.09Y	125.8	0.00	0.23	0.36	0	5	1	98	0.00	0.0	0.461	0.000	5	1	1	1
032491	PL.27288	C	Consumer	15.09Y	125.8	0.00	0.23	0.02	0	0	0	100	0.00	0.0	0.461	0.000	0	0	1	1
PL.9658	PL.9657	A	336ACSR	15.01Y	125.1	0.04	0.88	134.94	18	1986	402	98	0.50	0.0	0.485	0.069	0	0	0	616
		B		15.11Y	125.9	-0.01	0.09	54.85	8	824	87	99					0	0	0	279
		C		15.09Y	125.8	0.02	0.25	47.33	6	712	62	100					0	0	0	179
PL.9659	PL.9658	A	336ACSR	15.01Y	125.1	0.03	0.92	134.94	18	1986	401	98	0.41	0.0	0.540	0.056	0	0	0	616
		B		15.11Y	125.9	-0.01	0.08	54.75	7	823	87	99					0	0	0	278
		C		15.09Y	125.7	0.01	0.26	47.33	6	712	62	100					0	0	0	179
PL.9660	PL.9659	A	336ACSR	14.99Y	124.9	0.16	1.08	134.94	18	1985	400	98	1.89	0.1	0.800	0.259	0	0	0	616
		B		15.11Y	126.0	-0.04	0.04	54.75	7	823	87	99					0	0	0	278
		C		15.08Y	125.7	0.06	0.32	46.88	6	705	61	100					0	0	0	177
032506	PL.9660	B	Consumer	15.11Y	126.0	0.00	0.04	0.06	0	1	0	100	0.00	0.0	0.800	0.000	1	0	1	1
PL.9661	PL.9660	A	336ACSR	14.98Y	124.8	0.09	1.17	134.94	18	1984	396	98	1.08	0.0	0.948	0.148	0	0	0	616
		B		15.12Y	126.0	-0.02	0.02	53.29	7	801	82	99					0	0	0	273
		C		15.08Y	125.6	0.04	0.36	46.88	6	704	61	100					0	0	0	177
PL.9662	PL.9661	A	336ACSR	14.97Y	124.8	0.06	1.23	134.94	18	1983	394	98	0.71	0.0	1.046	0.098	0	0	0	616
		B		15.12Y	126.0	-0.01	0.01	52.96	7	797	81	99					0	0	0	271
		C		15.07Y	125.6	0.02	0.38	46.88	6	704	61	100					0	0	0	177
PL.9663	PL.9662	A	336ACSR	14.96Y	124.7	0.09	1.32	133.54	18	1961	389	98	1.03	0.0	1.191	0.145	0	0	0	613
		B		15.12Y	126.0	-0.02	-0.02	52.96	7	797	81	99					0	0	0	271
		C		15.07Y	125.6	0.04	0.42	46.88	6	704	61	100					0	0	0	177
PL.18042	PL.9663	A	4ACSR	14.96Y	124.7	0.00	1.32	2.06	1	30	5	99	0.00	0.0	1.197	0.006	0	0	0	14
PD.1199	PL.18042	A	fuse6AMP	14.96Y	124.7	0.00	1.32	2.06	35	30	5	99	0.00	0.0	1.197	0.000	0	0	0	14
PL.18043	PD.1199	A	4ACSR	14.96Y	124.7	0.00	1.32	2.06	1	30	5	99	0.00	0.0	1.230	0.033	0	0	0	14
PL.9664	PL.18043	A	4ACSR	14.96Y	124.7	0.00	1.32	1.91	1	28	5	98	0.00	0.0	1.270	0.040	0	0	0	12
032532	PL.9664	A	Consumer	14.96Y	124.7	0.00	1.32	0.41	0	6	1	99	0.00	0.0	1.270	0.000	6	1	1	1
032561	PL.9664	A	Consumer	14.96Y	124.7	0.00	1.32	0.04	0	1	0	100	0.00	0.0	1.270	0.000	1	0	1	1
PL.9665	PL.9664	A	4ACSR	14.96Y	124.7	0.00	1.33	1.46	1	22	4	98	0.00	0.0	1.331	0.061	0	0	0	10
PL.6289	PL.9665	A	4ACSR	14.96Y	124.7	0.00	1.33	0.34	0	5	1	98	0.00	0.0	1.349	0.018	0	0	0	3
PL.6290	PL.6289	A	4ACSR	14.96Y	124.7	0.00	1.33	0.18	0	3	0	100	0.00	0.0	1.404	0.055	0	0	0	2
032544	PL.6290	A	Consumer	14.96Y	124.7	0.00	1.33	0.00	0	0	0	100	0.00	0.0	1.404	0.000	0	0	0	0
032547	PL.6290	A	Consumer	14.96Y	124.7	0.00	1.33	0.16	0	2	0	100	0.00	0.0	1.404	0.000	2	0	1	1
032505	PL.6290	A	Consumer	14.96Y	124.7	0.00	1.33	0.02	0	0	0	100	0.00	0.0	1.404	0.000	0	0	1	1
032560	PL.6289	A	Consumer	14.96Y	124.7	0.00	1.33	0.16	0	2	0	100	0.00	0.0	1.349	0.000	2	0	1	1
PL.9666	PL.9665	A	4ACSR	14.96Y	124.7	0.00	1.33	1.13	1	17	3	98	0.00	0.0	1.420	0.089	0	0	0	7
032541	PL.9666	A	Consumer	14.96Y	124.7	0.00	1.33	0.24	0	4	1	97	0.00	0.0	1.420	0.000	4	1	1	1
032549	PL.9666	A	Consumer	14.96Y	124.7	0.00	1.33	0.02	0	0	0	100	0.00	0.0	1.420	0.000	0	0	1	1
032545	PL.9666	A	Consumer	14.96Y	124.7	0.00	1.33	0.00	0	0	0	100	0.00	0.0	1.420	0.000	0	0	1	1
PL.9667	PL.9666	A	4ACSR	14.96Y	124.7	0.00	1.33	0.87	0	13	2	99	0.00	0.0	1.474	0.054	0	0	0	4
PL.9668	PL.9667	A	4ACSR	14.96Y	124.7	0.00	1.33	0.41	0	6	1	99	0.00	0.0	1.849	0.376	0	0	0	3
031504	PL.9668	A	Consumer	14.96Y	124.7	0.00	1.33	0.00	0	0	0	100	0.00	0.0	1.849	0.000	0	0	1	1
PL.4880	PL.9668	A	4ACSR	14.96Y	124.7	0.00	1.33	0.41	0	6	1	99	0.00	0.0	1.938	0.089	0	0	0	2
PL.4881	PL.4880	A	4ACSR	14.96Y	124.7	0.00	1.33	0.41	0	6	1	99	0.00	0.0	2.002	0.065	0	0	0	1
031507	PL.4881	A	Consumer	14.96Y	124.7	0.00	1.33	0.41	0	6	1	99	0.00	0.0	2.002	0.000	6	1	1	1

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.40917	PL.4881	A	2ACSR	14.96Y	124.7	0.00	1.33	0.00	0	0	0	100	0.00	0.0	2.138	0.135	0	0	0	0
0315008	PL.40917	A	Consumer	14.96Y	124.7	0.00	1.33	0.00	0	0	0	100	0.00	0.0	2.138	0.000	0	0	0	0
031506	PL.4880	A	Consumer	14.96Y	124.7	0.00	1.33	0.00	0	0	0	100	0.00	0.0	1.938	0.000	0	0	1	1
PL.1732	PL.9667	A	4ACSR	14.96Y	124.7	0.00	1.33	0.46	0	7	1	99	0.00	0.0	1.558	0.084	0	0	0	1
031502	PL.1732	A	Consumer	14.96Y	124.7	0.00	1.33	0.46	0	7	1	99	0.00	0.0	1.558	0.000	7	1	1	1
032533	PL.18043	A	Consumer	14.96Y	124.7	0.00	1.32	0.02	0	0	0	100	0.00	0.0	1.230	0.000	0	0	1	1
032553	PL.18043	A	Consumer	14.96Y	124.7	0.00	1.32	0.13	0	2	0	100	0.00	0.0	1.230	0.000	2	0	1	1
PL.18044	PL.9663	C	4ACSR	15.07Y	125.6	0.00	0.42	0.17	0	2	0	100	0.00	0.0	1.199	0.008	0	0	0	1
PD.1204	PL.18044	C	fuse6AMP	15.07Y	125.6	0.00	0.42	0.17	3	2	0	100	0.00	0.0	1.199	0.000	0	0	0	1
PL.18045	PD.1204	C	4ACSR	15.07Y	125.6	0.00	0.42	0.17	0	2	0	100	0.00	0.0	1.266	0.067	0	0	0	1
032528	PL.18045	C	Consumer	15.07Y	125.6	0.00	0.42	0.17	0	2	0	100	0.00	0.0	1.266	0.000	2	0	1	1
PL.9669	PL.9663	A	336ACSR	14.94Y	124.5	0.15	1.47	131.48	18	1930	382	98	1.69	0.0	1.435	0.245	0	0	0	599
		B		15.13Y	126.0	-0.03	-0.05	52.96	7	797	81	99					0	0	0	271
		C		15.06Y	125.5	0.06	0.48	46.72	6	701	61	100					0	0	0	176
PL.18050	PL.9669	A	4ACSR	14.94Y	124.5	0.00	1.47	2.84	1	42	7	99	0.00	0.0	1.442	0.006	0	0	0	11
PD.1202	PL.18050	A	fuse6AMP	14.94Y	124.5	0.00	1.47	2.84	48	42	7	99	0.00	0.0	1.442	0.000	0	0	0	11
PL.18051	PD.1202	A	4ACSR	14.94Y	124.5	0.00	1.47	2.84	1	42	7	99	0.00	0.0	1.511	0.069	0	0	0	11
PL.1733	PL.18051	A	4ACSR	14.94Y	124.5	0.00	1.47	0.18	0	3	0	100	0.00	0.0	1.607	0.097	0	0	0	2
032527	PL.1733	A	Consumer	14.94Y	124.5	0.00	1.47	0.00	0	0	0	100	0.00	0.0	1.607	0.000	0	0	1	1
032529	PL.1733	A	Consumer	14.94Y	124.5	0.00	1.47	0.00	0	0	0	100	0.00	0.0	1.607	0.000	0	0	0	0
032516	PL.1733	A	Consumer	14.94Y	124.5	0.00	1.47	0.18	0	3	0	100	0.00	0.0	1.607	0.000	3	0	1	1
032554	PL.18051	A	Consumer	14.94Y	124.5	0.00	1.47	0.00	0	0	0	100	0.00	0.0	1.511	0.000	0	0	0	0
032534	PL.18051	A	Consumer	14.94Y	124.5	0.00	1.47	0.00	0	0	0	100	0.00	0.0	1.511	0.000	0	0	0	0
032555	PL.18051	A	Consumer	14.94Y	124.5	0.00	1.47	0.31	0	5	1	98	0.00	0.0	1.511	0.000	5	1	1	1
032515	PL.18051	A	Consumer	14.94Y	124.5	0.00	1.47	0.09	0	1	0	100	0.00	0.0	1.511	0.000	1	0	1	1
PL.19536	PL.18051	A	4ACSR	14.94Y	124.5	0.00	1.48	2.25	1	33	5	99	0.00	0.0	1.570	0.059	0	0	0	7
032526	PL.19536	A	Consumer	14.94Y	124.5	0.00	1.48	0.18	0	3	0	100	0.00	0.0	1.570	0.000	3	0	1	1
PL.19537	PL.19536	A	4ACSR	14.94Y	124.5	0.00	1.48	2.07	1	31	5	99	0.00	0.0	1.647	0.077	0	0	0	6
PL.4876	PL.19537	A	4ACSR	14.94Y	124.5	0.01	1.48	2.00	1	30	5	99	0.00	0.0	1.767	0.120	0	0	0	5
032514	PL.4876	A	Consumer	14.94Y	124.5	0.00	1.48	0.12	0	2	0	100	0.00	0.0	1.767	0.000	2	0	1	1
032512	PL.4876	A	Consumer	14.94Y	124.5	0.00	1.48	0.24	0	4	1	97	0.00	0.0	1.767	0.000	4	1	1	1
032520	PL.4876	A	Consumer	14.94Y	124.5	0.00	1.48	0.68	0	10	2	98	0.00	0.0	1.767	0.000	10	2	1	1
PL.4872	PL.4876	A	4ACSR	14.94Y	124.5	0.00	1.49	0.96	0	14	2	99	0.00	0.0	1.858	0.091	0	0	0	2
032530	PL.4872	A	Consumer	14.94Y	124.5	0.00	1.49	0.67	0	10	2	98	0.00	0.0	1.858	0.000	10	2	1	1
032513	PL.4872	A	Consumer	14.94Y	124.5	0.00	1.49	0.29	0	4	1	97	0.00	0.0	1.858	0.000	4	1	1	1
032507	PL.19537	A	Consumer	14.94Y	124.5	0.00	1.48	0.07	0	1	0	100	0.00	0.0	1.647	0.000	1	0	1	1
032504	PL.19537	A	Consumer	14.94Y	124.5	0.00	1.48	0.00	0	0	0	100	0.00	0.0	1.647	0.000	0	0	0	0
PL.9670	PL.9669	A	336ACSR	14.94Y	124.5	0.00	1.47	128.31	18	1881	370	98	0.00	0.0	1.435	0.000	0	0	0	586
		B		15.13Y	126.0	0.00	-0.05	52.96	7	797	80	99					0	0	0	271
		C		15.06Y	125.5	0.00	0.48	46.72	6	701	61	100					0	0	0	176

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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.9671	PL.9670	A	336ACSR	14.94Y	124.5	0.03	1.50	128.31	18	1881	370	98	0.31	0.0	1.482	0.046	0	0	0	586
		B		15.13Y	126.1	-0.01	-0.06	52.96	7	797	80	99					0	0	0	271
		C		15.06Y	125.5	0.01	0.49	46.72	6	701	61	100					0	0	0	176
PL.18248	PL.9671	A	336ACSR	14.93Y	124.4	0.09	1.58	128.07	18	1878	369	98	1.00	0.0	1.634	0.152	0	0	0	585
		B		15.13Y	126.1	-0.02	-0.08	52.96	7	797	80	99					0	0	0	271
		C		15.06Y	125.5	0.03	0.52	45.90	6	689	59	100					0	0	0	172
032550	PL.18248	B	Consumer	15.13Y	126.1	0.00	-0.08	0.18	0	3	0	100	0.00	0.0	1.634	0.000	3	0	1	1
PL.18249	PL.18248	A	336ACSR	14.92Y	124.3	0.07	1.66	128.07	18	1877	367	98	0.83	0.0	1.759	0.126	0	0	0	585
		B		15.13Y	126.1	-0.02	-0.09	52.78	7	795	79	100					0	0	0	270
		C		15.05Y	125.4	0.03	0.55	45.90	6	689	59	100					0	0	0	172
PL.9672	PL.18249	A	336ACSR	14.92Y	124.3	0.04	1.69	128.07	18	1876	365	98	0.42	0.0	1.823	0.063	0	0	0	585
		B		15.13Y	126.1	-0.01	-0.10	52.78	7	795	79	100					0	0	0	270
		C		15.05Y	125.4	0.01	0.57	45.90	6	688	59	100					0	0	0	172
PL.19287	PL.9672	A	336ACSR	14.91Y	124.2	0.08	1.77	127.75	17	1871	363	98	0.86	0.0	1.953	0.130	0	0	0	582
		B		15.13Y	126.1	-0.02	-0.12	52.78	7	795	79	100					0	0	0	270
		C		15.05Y	125.4	0.03	0.60	45.90	6	688	59	100					0	0	0	172
PL.28018	PL.19287	A	336ACSR	14.90Y	124.2	0.03	1.80	127.75	17	1870	362	98	0.32	0.0	2.002	0.049	0	0	0	582
		B		15.13Y	126.1	-0.01	-0.12	52.78	7	795	79	100					0	0	0	269
		C		15.05Y	125.4	0.01	0.61	45.90	6	688	59	100					0	0	0	172
032628	PL.28018	B	Consumer	15.13Y	126.1	0.00	-0.12	0.00	0	0	0	100	0.00	0.0	2.002	0.000	0	0	1	1
PL.28019	PL.28018	A	336ACSR	14.90Y	124.2	0.03	1.83	127.75	17	1869	361	98	0.32	0.0	2.050	0.048	0	0	0	582
		B		15.14Y	126.1	-0.01	-0.13	52.77	7	795	79	100					0	0	0	268
		C		15.05Y	125.4	0.01	0.62	45.90	6	688	59	100					0	0	0	172
032632	PL.28019	A	Consumer	14.90Y	124.2	0.00	1.83	0.18	0	3	0	100	0.00	0.0	2.050	0.000	3	0	1	1
032630	PL.28019	A	Consumer	14.90Y	124.2	0.00	1.83	0.03	0	0	0	100	0.00	0.0	2.050	0.000	0	0	1	1
032604	PL.28019	A	Consumer	14.90Y	124.2	0.00	1.83	0.01	0	0	0	100	0.00	0.0	2.050	0.000	0	0	1	1
PL.9673	PL.28019	A	336ACSR	14.89Y	124.1	0.05	1.88	127.14	17	1860	359	98	0.58	0.0	2.139	0.089	0	0	0	577
		B		15.14Y	126.1	-0.01	-0.14	52.77	7	795	79	100					0	0	0	268
		C		15.04Y	125.4	0.02	0.64	45.90	6	688	59	100					0	0	0	172
PL.24636	PL.9673	A	1/0ACSR	14.87Y	123.9	0.24	2.12	127.14	39	1860	357	98	3.43	0.1	2.318	0.179	0	0	0	577
		B		15.14Y	126.1	0.01	-0.13	52.77	16	795	78	100					0	0	0	268
		C		15.04Y	125.3	0.07	0.71	38.95	12	584	42	100					0	0	0	147
PL.9684	PL.24636	A	1/0ACSR	14.82Y	123.5	0.34	2.46	126.50	38	1847	353	98	4.85	0.2	2.574	0.255	0	0	0	575
		B		15.14Y	126.1	0.01	-0.13	52.77	16	795	78	100					0	0	0	268
		C		15.02Y	125.2	0.10	0.80	38.95	12	584	42	100					0	0	0	147
PL.16834	PL.9684	A	4ACSR	14.82Y	123.5	0.00	2.46	0.76	0	11	2	98	0.00	0.0	2.576	0.003	0	0	0	3
PD.1186	PL.16834	A	fuse6AMP	14.82Y	123.5	0.00	2.46	0.76	13	11	2	98	0.00	0.0	2.576	0.000	0	0	0	3
PL.16835	PD.1186	A	4ACSR	14.82Y	123.5	0.00	2.46	0.76	0	11	2	98	0.00	0.0	2.646	0.070	0	0	0	3
PL.24637	PL.16835	A	4ACSR	14.82Y	123.5	0.00	2.46	0.22	0	3	1	95	0.00	0.0	2.711	0.064	0	0	0	1
PL.24638	PL.24637	A	4ACSR	14.82Y	123.5	0.00	2.47	0.22	0	3	1	95	0.00	0.0	2.892	0.181	0	0	0	1
PL.6265	PL.24638	A	4ACSR	14.82Y	123.5	0.00	2.47	0.22	0	3	1	95	0.00	0.0	3.109	0.217	0	0	0	1
031601	PL.6265	A	Consumer	14.82Y	123.5	0.00	2.47	0.22	0	3	1	95	0.00	0.0	3.109	0.000	3	1	1	1
032607	PL.16835	A	Consumer	14.82Y	123.5	0.00	2.46	0.32	0	5	1	98	0.00	0.0	2.646	0.000	5	1	1	1
032619	PL.16835	A	Consumer	14.82Y	123.5	0.00	2.46	0.22	0	3	1	95	0.00	0.0	2.646	0.000	3	1	1	1
PL.9685	PL.9684	A	1/0ACSR	14.77Y	123.1	0.44	2.90	125.75	38	1832	346	98	6.16	0.2	2.902	0.328	0	0	0	572
		B		15.13Y	126.1	0.01	-0.11	52.77	16	795	77	100					0	0	0	268
		C		15.01Y	125.1	0.12	0.93	38.95	12	584	42	100					0	0	0	147
PL.16833	PL.9685	C	4ACSR	15.01Y	125.1	0.00	0.93	0.25	0	4	1	97	0.00	0.0	2.906	0.005	0	0	0	3
PD.3089	PL.16833	C	fuse6AMP	15.01Y	125.1	0.00	0.93	0.25	4	4	1	97	0.00	0.0	2.906	0.000	0	0	0	3

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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.46537	PD.3089	C	4ACSR	15.01Y	125.1	0.00	0.93	0.25	0	4	1	97	0.00	0.0	2.958	0.052	0	0	0	3
PL.46538	PL.46537	C	4ACSR	15.01Y	125.1	0.00	0.93	0.22	0	3	1	95	0.00	0.0	2.963	0.005	0	0	0	2
PL.46536	PL.46538	C	4ACSR	15.01Y	125.1	0.00	0.93	0.22	0	3	1	95	0.00	0.0	2.968	0.004	0	0	0	2
PL.21830	PL.46536	C	4ACSR	15.01Y	125.1	0.00	0.93	0.22	0	3	1	95	0.00	0.0	3.188	0.220	0	0	0	2
032609	PL.21830	C	Consumer	15.01Y	125.1	0.00	0.93	0.11	0	2	0	100	0.00	0.0	3.188	0.000	2	0	1	1
PL.24634	PL.21830	C	4ACSR	15.01Y	125.1	0.00	0.93	0.11	0	2	0	100	0.00	0.0	3.317	0.129	0	0	0	1
032613	PL.24634	C	Consumer	15.01Y	125.1	0.00	0.93	0.11	0	2	0	100	0.00	0.0	3.317	0.000	2	0	1	1
032608	PL.46537	C	Consumer	15.01Y	125.1	0.00	0.93	0.03	0	0	0	100	0.00	0.0	2.958	0.000	0	0	1	1
0326041	PL.46537	C	Consumer	15.01Y	125.1	0.00	0.93	0.00	0	0	0	100	0.00	0.0	2.958	0.000	0	0	0	0
PL.10016	PL.9685	A	1/0ACSR	14.73Y	122.8	0.32	3.22	125.75	38	1826	340	98	4.47	0.1	3.139	0.238	0	0	0	572
		B		15.13Y	126.1	0.01	-0.11	52.77	16	795	76	100					0	0	0	268
		C		15.00Y	125.0	0.09	1.02	38.70	12	579	42	100					0	0	0	144
PL.10404	PL.10016	A	1/0ACSR	14.68Y	122.4	0.41	3.63	125.75	38	1822	336	98	5.80	0.2	3.448	0.309	0	0	0	572
		B		15.13Y	126.1	0.01	-0.09	52.77	16	795	76	100					0	0	0	268
		C		14.98Y	124.9	0.12	1.14	38.70	12	579	42	100					0	0	0	144
PL.18255	PL.10404	A	4ACSR	14.68Y	122.4	0.00	3.63	0.07	0	1	0	100	0.00	0.0	3.491	0.043	0	0	0	2
PD.1185	PL.18255	A	fuse6AMP	14.68Y	122.4	0.00	3.63	0.07	1	1	0	100	0.00	0.0	3.491	0.000	0	0	0	2
PL.18256	PD.1185	A	4ACSR	14.68Y	122.4	0.00	3.63	0.07	0	1	0	100	0.00	0.0	3.534	0.043	0	0	0	2
PL.6267	PL.18256	A	4ACSR	14.68Y	122.4	0.00	3.63	0.00	0	0	0	100	0.00	0.0	3.663	0.129	0	0	0	1
PL.6266	PL.6267	A	4ACSR	14.68Y	122.4	0.00	3.63	0.00	0	0	0	100	0.00	0.0	3.663	0.000	0	0	0	1
032701	PL.6266	A	Consumer	14.68Y	122.4	0.00	3.63	0.00	0	0	0	100	0.00	0.0	3.663	0.000	0	0	1	1
032702	PL.18256	A	Consumer	14.68Y	122.4	0.00	3.63	0.06	0	1	0	100	0.00	0.0	3.534	0.000	1	0	1	1
PL.16831	PL.10404	A	1/0ACSR	14.67Y	122.2	0.13	3.75	125.68	38	1816	330	98	1.81	0.1	3.545	0.097	0	0	0	570
		B		15.13Y	126.1	0.00	-0.09	52.77	16	795	75	100					0	0	0	268
		C		14.98Y	124.8	0.04	1.17	38.70	12	578	42	100					0	0	0	144
PL.18401	PL.16831	A	4ACSR	14.67Y	122.2	0.00	3.75	1.16	1	17	3	98	0.00	0.0	3.548	0.004	0	0	0	3
PD.1184	PL.18401	A	fuse6AMP	14.67Y	122.2	0.00	3.75	1.16	20	17	3	98	0.00	0.0	3.548	0.000	0	0	0	3
PL.18400	PD.1184	A	4ACSR	14.67Y	122.2	0.00	3.76	1.16	1	17	3	98	0.00	0.0	3.551	0.002	0	0	0	3
PL.1589	PL.18400	A	4ACSR	14.67Y	122.2	0.00	3.76	1.16	1	17	3	98	0.00	0.0	3.590	0.039	0	0	0	3
031712	PL.1589	A	Consumer	14.67Y	122.2	0.00	3.76	0.00	0	0	0	100	0.00	0.0	3.590	0.000	0	0	1	1
031713	PL.1589	A	Consumer	14.67Y	122.2	0.00	3.76	0.00	0	0	0	100	0.00	0.0	3.590	0.000	0	0	0	0
031710	PL.1589	A	Consumer	14.67Y	122.2	0.00	3.76	0.32	0	5	1	98	0.00	0.0	3.590	0.000	5	1	1	1
031715	PL.1589	A	Consumer	14.67Y	122.2	0.00	3.76	0.84	0	12	2	99	0.00	0.0	3.590	0.000	12	2	1	1
PL.1593	PL.18400	A	4ACSR	14.67Y	122.2	0.00	3.76	0.00	0	0	0	100	0.00	0.0	3.596	0.045	0	0	0	0
PL.16832	PL.16831	A	1/0ACSR	14.66Y	122.1	0.10	3.85	124.52	38	1797	325	98	1.38	0.0	3.619	0.075	0	0	0	567
		B		15.13Y	126.1	0.00	-0.09	52.77	16	795	74	100					0	0	0	268
		C		14.98Y	124.8	0.03	1.20	38.70	12	578	42	100					0	0	0	144
PL.18367	PL.16832	A	1/0ACSR	14.66Y	122.1	0.01	3.86	124.52	38	1796	324	98	0.11	0.0	3.625	0.006	0	0	0	567
		B		15.13Y	126.1	0.00	-0.09	52.77	16	795	74	100					0	0	0	268
		C		14.98Y	124.8	0.00	1.20	38.70	12	578	42	100					0	0	0	144
PD.3402	PL.18367	A	VWVE	14.66Y	122.1	0.00	3.86	124.52	0	1796	324	98	0.00	0.0	3.625	0.000	0	0	0	567
		B		15.13Y	126.1	0.00	-0.09	52.77	0	795	74	100					0	0	0	268
		C		14.98Y	124.8	0.00	1.20	38.70	0	578	42	100					0	0	0	144

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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.18368	PD.3402	A	1/0ACSR	14.64Y	122.0	0.11	3.97	124.52	38	1796	324	98	1.52	0.0	3.707	0.082	0	0	0	567
		B		15.13Y	126.1	0.00	-0.08	52.77	16	795	74	100					0	0	0	268
		C		14.97Y	124.8	0.03	1.23	38.70	12	578	42	100					0	0	0	144
PL.10405	PL.18368	A	1/0ACSR	14.56Y	121.3	0.70	4.66	124.52	38	1795	322	98	9.80	0.3	4.238	0.530	0	0	0	567
		B		15.13Y	126.1	0.02	-0.06	52.77	16	795	74	100					0	0	0	268
		C		14.95Y	124.6	0.20	1.43	38.43	12	574	42	100					0	0	0	143
PL.21157	PL.10405	B	4ACSR	15.13Y	126.1	0.00	-0.06	10.12	5	151	25	99	0.00	0.0	4.251	0.013	0	0	0	28
PD.3511	PL.21157	B	25V4E	15.13Y	126.1	0.00	-0.06	10.12	40	151	25	99	0.00	0.0	4.251	0.000	0	0	0	28
PL.21158	PD.3511	B	4ACSR	15.12Y	126.0	0.05	-0.01	10.12	5	151	25	99	0.05	0.0	4.464	0.213	0	0	0	28
031703	PL.21158	B	Consumer	15.12Y	126.0	0.00	-0.01	0.08	0	1	1	71	0.00	0.0	4.464	0.000	1	1	1	1
PL.10406	PL.21158	B	4ACSR	15.12Y	126.0	0.01	-0.01	10.04	5	150	25	99	0.01	0.0	4.497	0.033	0	0	0	27
PL.18622	PL.10406	B	4ACSR	15.12Y	126.0	0.00	-0.01	0.10	0	1	0	100	0.00	0.0	4.503	0.006	0	0	0	2
PD.1189	PL.18622	B	fuse6AMP	15.12Y	126.0	0.00	-0.01	0.10	2	1	0	100	0.00	0.0	4.503	0.000	0	0	0	2
PL.18623	PD.1189	B	4ACSR	15.12Y	126.0	0.00	-0.01	0.10	0	1	0	100	0.00	0.0	4.694	0.191	0	0	0	2
PL.1590	PL.18623	B	4ACSR	15.12Y	126.0	0.00	-0.01	0.10	0	1	0	100	0.00	0.0	4.885	0.191	0	0	0	2
030702	PL.1590	B	Consumer	15.12Y	126.0	0.00	-0.01	0.10	0	1	0	100	0.00	0.0	4.885	0.000	1	0	1	1
030701	PL.1590	B	Consumer	15.12Y	126.0	0.00	-0.01	0.00	0	0	0	100	0.00	0.0	4.885	0.000	0	0	1	1
PL.10407	PL.10406	B	4ACSR	15.11Y	125.9	0.09	0.08	9.94	5	148	24	99	0.10	0.1	4.912	0.415	0	0	0	25
PL.10408	PL.10407	B	4ACSR	15.11Y	125.9	0.04	0.12	9.50	5	142	23	99	0.04	0.0	5.102	0.190	0	0	0	23
PL.10409	PL.10408	B	4ACSR	15.10Y	125.9	0.02	0.14	8.81	5	131	21	99	0.02	0.0	5.210	0.108	0	0	0	22
PL.1591	PL.10409	B	4ACSR	15.10Y	125.9	0.00	0.14	0.57	0	8	1	99	0.00	0.0	5.281	0.071	0	0	0	1
030606	PL.1591	B	Consumer	15.10Y	125.9	0.00	0.14	0.00	0	0	0	100	0.00	0.0	5.281	0.000	0	0	0	0
030624	PL.1591	B	Consumer	15.10Y	125.9	0.00	0.14	0.57	0	8	1	99	0.00	0.0	5.281	0.000	8	1	1	1
030623	PL.10409	B	Consumer	15.10Y	125.9	0.00	0.14	0.02	0	0	0	100	0.00	0.0	5.210	0.000	0	0	1	1
PL.21831	PL.10409	B	4ACSR	15.10Y	125.8	0.03	0.17	6.76	3	101	16	99	0.02	0.0	5.406	0.196	0	0	0	18
030625	PL.21831	B	Consumer	15.10Y	125.8	0.00	0.17	1.08	0	16	3	98	0.00	0.0	5.406	0.000	16	3	1	1
030615	PL.21831	B	Consumer	15.10Y	125.8	0.00	0.17	0.69	0	10	2	98	0.00	0.0	5.406	0.000	10	2	1	1
PL.21832	PL.21831	B	4ACSR	15.10Y	125.8	0.00	0.17	5.00	3	75	12	99	0.00	0.0	5.443	0.037	0	0	0	16
PL.22731	PL.21832	B	4ACSR	15.10Y	125.8	0.01	0.18	5.00	3	75	12	99	0.00	0.0	5.515	0.072	0	0	0	16
PL.22732	PL.22731	B	4ACSR	15.10Y	125.8	0.00	0.19	4.91	3	73	12	99	0.00	0.0	5.549	0.035	0	0	0	15
PL.10410	PL.22732	B	4ACSR	15.10Y	125.8	0.01	0.19	4.91	3	73	12	99	0.00	0.0	5.607	0.058	0	0	0	15
PL.1592	PL.10410	B	4ACSR	15.10Y	125.8	0.00	0.19	0.01	0	0	0	100	0.00	0.0	5.753	0.146	0	0	0	1
030612	PL.1592	B	Consumer	15.10Y	125.8	0.00	0.19	0.01	0	0	0	100	0.00	0.0	5.753	0.000	0	0	1	1
PL.1594	PL.10410	B	4ACSR	15.10Y	125.8	0.00	0.19	0.00	0	0	0	100	0.00	0.0	5.687	0.080	0	0	0	0
030627	PL.1594	B	Consumer	15.10Y	125.8	0.00	0.19	0.00	0	0	0	100	0.00	0.0	5.687	0.000	0	0	0	0
030622	PL.10410	B	Consumer	15.10Y	125.8	0.00	0.19	0.27	0	4	1	97	0.00	0.0	5.607	0.000	4	1	1	1
030621	PL.10410	B	Consumer	15.10Y	125.8	0.00	0.19	0.28	0	4	1	97	0.00	0.0	5.607	0.000	4	1	1	1
PL.10411	PL.10410	B	4ACSR	15.09Y	125.8	0.02	0.21	4.35	2	65	11	99	0.01	0.0	5.846	0.238	0	0	0	12
030611	PL.10411	B	Consumer	15.09Y	125.8	0.00	0.21	0.03	0	0	0	100	0.00	0.0	5.846	0.000	0	0	1	1
PL.6268	PL.10411	B	4ACSR	15.09Y	125.8	0.00	0.22	4.32	2	64	11	99	0.00	0.0	5.892	0.047	0	0	0	11

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.10412	PL.6268	B	4ACSR	15.09Y	125.8	0.01	0.23	4.32	2	64	10	99	0.00	0.0	5.965	0.072	0	0	0	11
030518	PL.10412	B	Consumer	15.09Y	125.8	0.00	0.23	0.46	0	7	1	99	0.00	0.0	5.965	0.000	7	1	1	1
030517	PL.10412	B	Consumer	15.09Y	125.8	0.00	0.23	0.69	0	10	2	98	0.00	0.0	5.965	0.000	10	2	1	1
PL.10413	PL.10412	B	4ACSR	15.09Y	125.8	0.01	0.23	3.17	2	47	8	99	0.00	0.0	6.100	0.135	0	0	0	9
030501	PL.10413	B	Consumer	15.09Y	125.8	0.00	0.23	0.02	0	0	0	100	0.00	0.0	6.100	0.000	0	0	1	1
PL.6037	PL.10413	B	4ACSR	15.09Y	125.8	0.01	0.24	3.15	2	47	8	99	0.00	0.0	6.197	0.098	0	0	0	8
030509	PL.6037	B	Consumer	15.09Y	125.8	0.00	0.24	0.42	0	6	1	99	0.00	0.0	6.197	0.000	6	1	1	1
PL.10415	PL.6037	B	4ACSR	15.09Y	125.8	0.00	0.24	2.73	1	41	7	99	0.00	0.0	6.242	0.045	0	0	0	7
PL.19288	PL.10415	B	4ACSR	15.09Y	125.8	0.00	0.25	2.52	1	37	6	99	0.00	0.0	6.278	0.036	0	0	0	6
PL.19289	PL.19288	B	4ACSR	15.09Y	125.7	0.00	0.25	2.52	1	37	6	99	0.00	0.0	6.364	0.086	0	0	0	6
PL.10414	PL.19289	B	4ACSR	15.09Y	125.7	0.00	0.25	0.12	0	2	0	100	0.00	0.0	6.538	0.174	0	0	0	1
PL.4882	PL.10414	B	4ACSR	15.09Y	125.7	0.00	0.25	0.12	0	2	0	100	0.00	0.0	6.863	0.325	0	0	0	1
031501	PL.4882	B	Consumer	15.09Y	125.7	0.00	0.25	0.12	0	2	0	100	0.00	0.0	6.863	0.000	2	0	1	1
031503	PL.10414	B	Consumer	15.09Y	125.7	0.00	0.25	0.00	0	0	0	100	0.00	0.0	6.538	0.000	0	0	0	0
PL.6036	PL.19289	B	4ACSR	15.09Y	125.7	0.00	0.26	2.40	1	36	6	99	0.00	0.0	6.458	0.093	0	0	0	5
PL.27994	PL.6036	B	4ACSR	15.09Y	125.7	0.00	0.26	2.40	1	36	6	99	0.00	0.0	6.553	0.095	0	0	0	5
030516	PL.27994	B	Consumer	15.09Y	125.7	0.00	0.26	0.29	0	4	1	97	0.00	0.0	6.553	0.000	4	1	1	1
PL.27995	PL.27994	B	4ACSR	15.09Y	125.7	0.00	0.26	2.11	1	31	5	99	0.00	0.0	6.621	0.068	0	0	0	4
PL.10416	PL.27995	B	4ACSR	15.09Y	125.7	0.00	0.26	2.11	1	31	5	99	0.00	0.0	6.645	0.024	0	0	0	4
PL.10418	PL.10416	B	4ACSR	15.09Y	125.7	0.00	0.27	1.34	1	20	3	99	0.00	0.0	6.700	0.055	0	0	0	3
PL.6038	PL.10418	B	4ACSR	15.09Y	125.7	0.00	0.27	0.48	0	7	1	99	0.00	0.0	6.824	0.124	0	0	0	2
PL.6039	PL.6038	B	4ACSR	15.09Y	125.7	0.00	0.27	0.46	0	7	1	99	0.00	0.0	6.876	0.052	0	0	0	1
PL.6287	PL.6039	B	4ACSR	15.09Y	125.7	0.00	0.27	0.46	0	7	1	99	0.00	0.0	6.908	0.032	0	0	0	1
PL.6288	PL.6287	B	4ACSR	15.09Y	125.7	0.00	0.27	0.00	0	0	0	100	0.00	0.0	6.945	0.037	0	0	0	0
030523	PL.6288	B	Consumer	15.09Y	125.7	0.00	0.27	0.00	0	0	0	100	0.00	0.0	6.945	0.000	0	0	0	0
PL.45886	PL.6287	B	2ACSR	15.09Y	125.7	0.00	0.27	0.00	0	0	0	100	0.00	0.0	6.936	0.028	0	0	0	0
PL.45887	PL.45886	B	2ACSR	15.09Y	125.7	0.00	0.27	0.00	0	0	0	100	0.00	0.0	6.988	0.052	0	0	0	0
0305031	PL.45887	B	Consumer	15.09Y	125.7	0.00	0.27	0.00	0	0	0	100	0.00	0.0	6.988	0.000	0	0	0	0
030511	PL.6287	B	Consumer	15.09Y	125.7	0.00	0.27	0.46	0	7	1	99	0.00	0.0	6.908	0.000	7	1	1	1
030508	PL.6038	B	Consumer	15.09Y	125.7	0.00	0.27	0.02	0	0	0	100	0.00	0.0	6.824	0.000	0	0	1	1
PL.10419	PL.10418	B	4ACSR	15.09Y	125.7	0.00	0.27	0.87	0	13	2	99	0.00	0.0	6.739	0.039	0	0	0	1
030522	PL.10419	B	Consumer	15.09Y	125.7	0.00	0.27	0.87	0	13	2	99	0.00	0.0	6.739	0.000	13	2	1	1
PL.45786	PL.10416	B	4ACSR	15.09Y	125.7	0.00	0.27	0.77	0	11	2	98	0.00	0.0	6.719	0.074	0	0	0	1
PL.45787	PL.45786	B	4ACSR	15.09Y	125.7	0.00	0.27	0.77	0	11	2	98	0.00	0.0	6.759	0.039	0	0	0	1
030521	PL.45787	B	Consumer	15.09Y	125.7	0.00	0.27	0.77	0	11	2	98	0.00	0.0	6.759	0.000	11	2	1	1
0305030	PL.45786	B	Consumer	15.09Y	125.7	0.00	0.27	0.00	0	0	0	100	0.00	0.0	6.719	0.000	0	0	0	0
030504	PL.6036	B	Consumer	15.09Y	125.7	0.00	0.26	0.00	0	0	0	100	0.00	0.0	6.458	0.000	0	0	0	0
030505	PL.6036	B	Consumer	15.09Y	125.7	0.00	0.26	0.00	0	0	0	100	0.00	0.0	6.458	0.000	0	0	0	0

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.1734	PL.10415	B	4ACSR	15.09Y	125.8	0.00	0.24	0.21	0	3	1	95	0.00	0.0	6.302	0.059	0	0	0	1
030520	PL.1734	B	Consumer	15.09Y	125.8	0.00	0.24	0.21	0	3	1	95	0.00	0.0	6.302	0.000	3	1	1	1
030506	PL.1734	B	Consumer	15.09Y	125.8	0.00	0.24	0.00	0	0	0	100	0.00	0.0	6.302	0.000	0	0	0	0
030613	PL.22731	B	Consumer	15.10Y	125.8	0.00	0.18	0.00	0	0	0	100	0.00	0.0	5.515	0.000	0	0	0	0
030614	PL.22731	B	Consumer	15.10Y	125.8	0.00	0.18	0.09	0	1	0	100	0.00	0.0	5.515	0.000	1	0	1	1
PL.29004	PL.10409	B	4ACSR	15.10Y	125.9	0.00	0.14	1.45	1	22	4	98	0.00	0.0	5.301	0.091	0	0	0	2
030619	PL.29004	B	Consumer	15.10Y	125.9	0.00	0.14	0.84	0	13	2	99	0.00	0.0	5.301	0.000	13	2	1	1
030618	PL.29004	B	Consumer	15.10Y	125.9	0.00	0.14	0.61	0	9	1	99	0.00	0.0	5.301	0.000	9	1	1	1
PL.6271	PL.29004	B	4ACSR	15.10Y	125.9	0.00	0.14	0.00	0	0	0	100	0.00	0.0	5.301	0.001	0	0	0	0
030626	PL.10408	B	Consumer	15.11Y	125.9	0.00	0.12	0.69	0	10	2	98	0.00	0.0	5.102	0.000	10	2	1	1
PL.6269	PL.10407	B	4ACSR	15.11Y	125.9	0.00	0.08	0.45	0	7	1	99	0.00	0.0	4.930	0.018	0	0	0	2
PL.6270	PL.6269	B	4ACSR	15.11Y	125.9	0.00	0.08	0.00	0	0	0	100	0.00	0.0	5.301	0.371	0	0	0	0
030617	PL.6269	B	Consumer	15.11Y	125.9	0.00	0.08	0.34	0	5	1	98	0.00	0.0	4.930	0.000	5	1	1	1
030609	PL.6269	B	Consumer	15.11Y	125.9	0.00	0.08	0.11	0	2	0	100	0.00	0.0	4.930	0.000	2	0	1	1
PL.27925	PL.10405	A	2ACSR	14.55Y	121.3	0.05	4.72	124.52	49	1786	313	98	0.80	0.0	4.267	0.029	0	0	0	567
		B		15.13Y	126.1	0.00	-0.06	42.69	17	644	47	100					0	0	0	240
		C		14.95Y	124.6	0.02	1.45	38.43	15	573	42	100					0	0	0	143
C RG.10	PL.27925	A	1ph-100A-7	15.12Y	126.0	-4.72	0.00	124.52	125	1785	312	99	percent Boost= 3.89 Tap= 6.2							567 C
		B		15.12Y	126.0	0.06	0.00	42.69	43	644	47	100	percent Boost=-0.05 Tap=-0.1							
		C		15.12Y	126.0	-1.45	0.00	38.43	38	573	42	100	percent Boost= 1.16 Tap= 1.9							
PL.28123	RG.10	A	2ACSR	15.02Y	125.2	0.80	0.80	119.86	47	1785	312	99	11.83	0.4	4.730	0.463	0	0	0	567
		B		15.11Y	125.9	0.06	0.06	42.71	17	644	47	100					0	0	0	240
		C		15.09Y	125.7	0.26	0.26	37.99	15	573	42	100					0	0	0	143
PD.251-A	PL.28123	A	Closed	15.02Y	125.2	0.00	0.80	119.86	0	1775	305	99	0.00	0.0	4.730	0.000	0	0	0	567
		B		15.11Y	125.9	0.00	0.06	42.71	0	644	46	100					0	0	0	240
		C		15.09Y	125.7	0.00	0.26	37.99	0	572	42	100					0	0	0	143
PD.251-B	PD.251-A	A	Closed	15.02Y	125.2	0.00	0.80	119.86	0	1775	305	99	0.00	0.0	4.730	0.000	0	0	0	567
		B		15.11Y	125.9	0.00	0.06	42.71	0	644	46	100					0	0	0	240
		C		15.09Y	125.7	0.00	0.26	37.99	0	572	42	100					0	0	0	143
PL.16828	PD.251-B	A	2ACSR	14.94Y	124.5	0.68	1.48	119.86	47	1775	305	99	9.96	0.3	5.121	0.390	0	0	0	567
		B		15.11Y	125.9	0.05	0.11	42.71	17	644	46	100					0	0	0	240
		C		15.06Y	125.5	0.22	0.48	37.99	15	572	42	100					0	0	0	143
PL.10420	PL.16828	A	2ACSR	14.91Y	124.3	0.26	1.74	119.86	47	1766	298	99	3.79	0.1	5.269	0.148	0	0	0	567
		B		15.10Y	125.9	0.02	0.13	42.71	17	644	46	100					0	0	0	240
		C		15.05Y	125.4	0.08	0.57	37.99	15	571	42	100					0	0	0	143
PL.21155	PL.10420	A	4ACSR	14.91Y	124.3	0.00	1.74	0.00	0	0	0	100	0.00	0.0	5.287	0.018	0	0	0	0
PD.3090	PL.21155	A	fuse6AMP	14.91Y	124.3	0.00	1.74	0.00	0	0	0	100	0.00	0.0	5.287	0.000	0	0	0	0
PL.21156	PD.3090	A	4ACSR	14.91Y	124.3	0.00	1.74	0.00	0	0	0	100	0.00	0.0	5.321	0.034	0	0	0	0
031820	PL.21156	A	Consumer	14.91Y	124.3	0.00	1.74	0.00	0	0	0	100	0.00	0.0	5.321	0.000	0	0	0	0
031819	PL.21156	A	Consumer	14.91Y	124.3	0.00	1.74	0.00	0	0	0	100	0.00	0.0	5.321	0.000	0	0	0	0
PL.10421	PL.10420	A	1/0ACSR	14.87Y	123.9	0.32	2.05	119.86	36	1763	295	99	4.29	0.1	5.528	0.259	0	0	0	567
		B		15.11Y	125.9	-0.01	0.12	42.71	13	644	45	100					0	0	0	240
		C		15.04Y	125.3	0.11	0.67	37.99	12	570	42	100					0	0	0	143
PL.16199	PL.10421	A	4ACSR	14.87Y	123.9	0.00	2.06	5.90	3	87	14	99	0.00	0.0	5.537	0.009	0	0	0	29
PD.254-A	PL.16199	A	Closed	14.87Y	123.9	0.00	2.06	5.90	0	87	14	99	0.00	0.0	5.537	0.000	0	0	0	29
PD.254-B	PD.254-A	A	Closed	14.87Y	123.9	0.00	2.06	5.90	0	87	14	99	0.00	0.0	5.537	0.000	0	0	0	29

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.16200	PD.254-B	A	4ACSR	14.87Y	123.9	0.00	2.06	5.90	3	87	14	99	0.00	0.0	5.574	0.037	0	0	0	29
PL.1819	PL.16200	A	4ACSR	14.87Y	123.9	0.00	2.06	0.01	0	0	0	100	0.00	0.0	5.624	0.050	0	0	0	1
031827	PL.1819	A	Consumer	14.87Y	123.9	0.00	2.06	0.01	0	0	0	100	0.00	0.0	5.624	0.000	0	0	1	1
PL.17895	PL.16200	A	4ACSR	14.87Y	123.9	0.01	2.07	5.89	3	87	14	99	0.01	0.0	5.636	0.062	0	0	0	28
PD.3404	PL.17895	A	25L	14.87Y	123.9	0.00	2.07	5.89	24	86	14	99	0.00	0.0	5.636	0.000	0	0	0	28
PL.17896	PD.3404	A	4ACSR	14.87Y	123.9	0.01	2.08	5.89	3	86	14	99	0.01	0.0	5.702	0.067	0	0	0	28
031822	PL.17896	A	Consumer	14.87Y	123.9	0.00	2.08	0.27	0	4	1	97	0.00	0.0	5.702	0.000	4	1	1	1
PL.6279	PL.17896	A	4ACSR	14.87Y	123.9	0.01	2.08	5.62	3	83	13	99	0.00	0.0	5.763	0.061	0	0	0	27
PL.6280	PL.6279	A	4ACSR	14.87Y	123.9	0.01	2.09	5.62	3	83	13	99	0.00	0.0	5.822	0.059	0	0	0	26
PL.27807	PL.6280	A	4ACSR	14.87Y	123.9	0.01	2.10	4.44	2	65	11	99	0.00	0.0	5.876	0.054	0	0	0	25
PL.27808	PL.27807	A	4ACSR	14.87Y	123.9	0.00	2.10	4.13	2	61	10	99	0.00	0.0	5.931	0.055	0	0	0	23
030811	PL.27808	A	Consumer	14.87Y	123.9	0.00	2.10	0.30	0	4	1	97	0.00	0.0	5.931	0.000	4	1	1	1
030819	PL.27808	A	Consumer	14.87Y	123.9	0.00	2.10	0.48	0	7	1	99	0.00	0.0	5.931	0.000	7	1	1	1
030812	PL.27808	A	Consumer	14.87Y	123.9	0.00	2.10	0.00	0	0	0	100	0.00	0.0	5.931	0.000	0	0	0	0
030822	PL.27808	A	Consumer	14.87Y	123.9	0.00	2.10	0.00	0	0	0	100	0.00	0.0	5.931	0.000	0	0	0	0
030838	PL.27808	A	Consumer	14.87Y	123.9	0.00	2.10	0.00	0	0	0	100	0.00	0.0	5.931	0.000	0	0	1	1
PL.6277	PL.27808	A	4ACSR	14.87Y	123.9	0.00	2.11	3.35	2	49	8	99	0.00	0.0	5.983	0.052	0	0	0	20
PL.6278	PL.6277	A	4ACSR	14.87Y	123.9	0.00	2.11	2.92	2	43	7	99	0.00	0.0	6.019	0.036	0	0	0	19
030827	PL.6278	A	Consumer	14.87Y	123.9	0.00	2.11	0.51	0	7	1	99	0.00	0.0	6.019	0.000	7	1	1	1
030832	PL.6278	A	Consumer	14.87Y	123.9	0.00	2.11	0.03	0	0	0	100	0.00	0.0	6.019	0.000	0	0	1	1
030808	PL.6278	A	Consumer	14.87Y	123.9	0.00	2.11	0.19	0	3	0	100	0.00	0.0	6.019	0.000	3	0	1	1
PL.19265	PL.6278	A	4ACSR	14.87Y	123.9	0.00	2.11	2.19	1	32	5	99	0.00	0.0	6.048	0.029	0	0	0	16
030830	PL.19265	A	Consumer	14.87Y	123.9	0.00	2.11	0.00	0	0	0	100	0.00	0.0	6.048	0.000	0	0	0	0
030844	PL.19265	A	Consumer	14.87Y	123.9	0.00	2.11	0.00	0	0	0	100	0.00	0.0	6.048	0.000	0	0	1	1
PL.34996	PL.19265	A	4ACSR	14.87Y	123.9	0.00	2.11	2.19	1	32	5	99	0.00	0.0	6.080	0.033	0	0	0	15
PL.34997	PL.34996	A	4ACSR	14.87Y	123.9	0.00	2.11	2.19	1	32	5	99	0.00	0.0	6.112	0.031	0	0	0	14
030825	PL.34997	A	Consumer	14.87Y	123.9	0.00	2.11	0.00	0	0	0	100	0.00	0.0	6.112	0.000	0	0	1	1
030840	PL.34997	A	Consumer	14.87Y	123.9	0.00	2.11	0.10	0	1	0	100	0.00	0.0	6.112	0.000	1	0	1	1
PL.6273	PL.34997	A	4ACSR	14.87Y	123.9	0.00	2.11	1.45	1	21	3	99	0.00	0.0	6.170	0.058	0	0	0	8
PL.10422	PL.6273	A	4ACSR	14.87Y	123.9	0.00	2.12	1.45	1	21	3	99	0.00	0.0	6.222	0.052	0	0	0	7
PL.1818	PL.10422	A	4ACSR	14.87Y	123.9	0.00	2.12	1.02	1	15	2	99	0.00	0.0	6.280	0.058	0	0	0	3
030818	PL.1818	A	Consumer	14.87Y	123.9	0.00	2.12	0.00	0	0	0	100	0.00	0.0	6.280	0.000	0	0	0	0
030816	PL.1818	A	Consumer	14.87Y	123.9	0.00	2.12	0.00	0	0	0	100	0.00	0.0	6.280	0.000	0	0	0	0
030814	PL.1818	A	Consumer	14.87Y	123.9	0.00	2.12	0.00	0	0	0	100	0.00	0.0	6.280	0.000	0	0	0	0
030823	PL.1818	A	Consumer	14.87Y	123.9	0.00	2.12	0.69	0	10	2	98	0.00	0.0	6.280	0.000	10	2	1	1
030841	PL.1818	A	Consumer	14.87Y	123.9	0.00	2.12	0.17	0	2	0	100	0.00	0.0	6.280	0.000	2	0	1	1
030837	PL.1818	A	Consumer	14.87Y	123.9	0.00	2.12	0.16	0	2	0	100	0.00	0.0	6.280	0.000	2	0	1	1
PL.10423	PL.10422	A	4ACSR	14.87Y	123.9	0.00	2.12	0.43	0	6	1	99	0.00	0.0	6.260	0.038	0	0	0	4

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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.23025	PL.10423	A	4ACSR	14.87Y	123.9	0.00	2.12	0.28	0	4	1	97	0.00	0.0	6.437	0.177	0	0	0	2
030847	PL.23025	A	Consumer	14.87Y	123.9	0.00	2.12	0.03	0	0	0	100	0.00	0.0	6.437	0.000	0	0	1	1
030836	PL.23025	A	Consumer	14.87Y	123.9	0.00	2.12	0.25	0	4	1	97	0.00	0.0	6.437	0.000	4	1	1	1
030852	PL.10423	A	Consumer	14.87Y	123.9	0.00	2.12	0.15	0	2	0	100	0.00	0.0	6.260	0.000	2	0	1	1
030817	PL.10423	A	Consumer	14.87Y	123.9	0.00	2.12	0.00	0	0	0	100	0.00	0.0	6.260	0.000	0	0	1	1
030809	PL.6273	A	Consumer	14.87Y	123.9	0.00	2.11	0.00	0	0	0	100	0.00	0.0	6.170	0.000	0	0	1	1
PL.41088	PL.34997	A	2ACSR	14.87Y	123.9	0.00	2.11	0.65	0	9	2	98	0.00	0.0	6.135	0.023	0	0	0	4
030846	PL.41088	A	Consumer	14.87Y	123.9	0.00	2.11	0.44	0	6	1	99	0.00	0.0	6.135	0.000	6	1	1	1
0308054	PL.41088	A	Consumer	14.87Y	123.9	0.00	2.11	0.00	0	0	0	100	0.00	0.0	6.135	0.000	0	0	1	1
031824	PL.41088	A	Consumer	14.87Y	123.9	0.00	2.11	0.21	0	3	0	100	0.00	0.0	6.135	0.000	3	0	1	2
031826	031824	A	Consumer	14.87Y	123.9	0.00	2.11	0.01	0	0	0	100	0.00	0.0	6.135	0.000	0	0	1	1
0308053	PL.34996	A	Consumer	14.87Y	123.9	0.00	2.11	0.00	0	0	0	100	0.00	0.0	6.080	0.000	0	0	1	1
030843	PL.6277	A	Consumer	14.87Y	123.9	0.00	2.11	0.42	0	6	1	99	0.00	0.0	5.983	0.000	6	1	1	1
030833	PL.27807	A	Consumer	14.87Y	123.9	0.00	2.10	0.07	0	1	0	100	0.00	0.0	5.876	0.000	1	0	1	1
030824	PL.27807	A	Consumer	14.87Y	123.9	0.00	2.10	0.24	0	4	1	97	0.00	0.0	5.876	0.000	4	1	1	1
030806	PL.6280	A	Consumer	14.87Y	123.9	0.00	2.09	1.19	0	17	3	98	0.00	0.0	5.822	0.000	17	3	1	1
031828	PL.6279	A	Consumer	14.87Y	123.9	0.00	2.08	0.00	0	0	0	100	0.00	0.0	5.763	0.000	0	0	1	1
PL.16201	PL.10421	A	2ACSR	14.87Y	123.9	0.01	2.07	113.96	45	1672	277	99	0.20	0.0	5.536	0.009	0	0	0	538
		B		15.11Y	125.9	0.00	0.12	42.71	17	644	45	100					0	0	0	240
		C		15.04Y	125.3	0.00	0.68	37.99	15	570	42	100					0	0	0	143
PD.253-A	PL.16201	A	Closed	14.87Y	123.9	0.00	2.07	113.96	0	1672	277	99	0.00	0.0	5.536	0.000	0	0	0	538
		B		15.11Y	125.9	0.00	0.12	42.71	0	644	45	100					0	0	0	240
		C		15.04Y	125.3	0.00	0.68	37.99	0	570	42	100					0	0	0	143
PD.253-B	PD.253-A	A	Closed	14.87Y	123.9	0.00	2.07	113.96	0	1672	277	99	0.00	0.0	5.536	0.000	0	0	0	538
		B		15.11Y	125.9	0.00	0.12	42.71	0	644	45	100					0	0	0	240
		C		15.04Y	125.3	0.00	0.68	37.99	0	570	42	100					0	0	0	143
PL.18795	PD.253-B	A	2ACSR	14.75Y	122.9	0.99	3.06	113.96	45	1672	277	99	14.18	0.5	6.141	0.605	0	0	0	538
		B		15.09Y	125.8	0.10	0.22	42.71	17	644	45	100					0	0	0	240
		C		15.00Y	125.0	0.34	1.01	37.99	15	570	42	100					0	0	0	143
PL.18796	PL.18795	A	2ACSR	14.75Y	122.9	0.01	3.07	113.96	45	1660	267	99	0.16	0.0	6.148	0.007	0	0	0	538
		B		15.09Y	125.8	0.00	0.22	42.71	17	643	44	100					0	0	0	240
		C		15.00Y	125.0	0.00	1.02	37.99	15	568	43	100					0	0	0	143
PL.18340	PL.18796	A	4ACSR	14.75Y	122.9	0.01	3.08	29.56	15	426	95	98	0.04	0.0	6.166	0.017	0	0	0	180
PD.256-A	PL.18340	A	Closed	14.75Y	122.9	0.00	3.08	29.56	0	426	95	98	0.00	0.0	6.166	0.000	0	0	0	180
PD.256-B	PD.256-A	A	Closed	14.75Y	122.9	0.00	3.08	29.56	0	426	95	98	0.00	0.0	6.166	0.000	0	0	0	180
PL.18341	PD.256-B	A	4ACSR	14.73Y	122.8	0.13	3.21	29.56	15	426	95	98	0.42	0.1	6.368	0.203	0	0	0	180
PL.6272	PL.18341	A	4ACSR	14.73Y	122.7	0.04	3.25	28.34	15	407	91	98	0.11	0.0	6.427	0.059	0	0	0	178
031809	PL.6272	A	Consumer	14.73Y	122.7	0.00	3.25	0.02	0	0	0	100	0.00	0.0	6.427	0.000	0	0	1	1
PL.10424	PL.6272	A	4ACSR	14.72Y	122.6	0.12	3.37	28.32	15	407	91	98	0.36	0.1	6.614	0.187	0	0	0	177
PL.11040	PL.10424	A	4ACSR	14.72Y	122.6	0.01	3.37	27.53	14	395	89	98	0.02	0.0	6.624	0.010	0	0	0	174
PD.3405	PL.11040	A	50E	14.72Y	122.6	0.00	3.37	27.53	55	395	89	98	0.00	0.0	6.624	0.000	0	0	0	174
PL.10974	PD.3405	A	4ACSR	14.71Y	122.6	0.02	3.40	27.53	14	395	89	98	0.06	0.0	6.659	0.035	0	0	0	174
PL.28224	PL.10974	A	4ACSR	14.70Y	122.5	0.09	3.49	26.77	14	384	87	98	0.26	0.1	6.812	0.153	0	0	0	171

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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.21833	PL.28224	A	4ACSR	14.69Y	122.4	0.08	3.57	26.76	14	384	87	98	0.23	0.1	6.946	0.134	0	0	0	169
PL.43363	PL.21833	A	4ACSR	14.69Y	122.4	0.00	3.57	0.27	0	4	1	97	0.00	0.0	6.965	0.018	0	0	0	1
PD.3852	PL.43363	A	fuse6AMP	14.69Y	122.4	0.00	3.57	0.27	5	4	1	97	0.00	0.0	6.965	0.000	0	0	0	1
PL.43364	PD.3852	A	4ACSR	14.69Y	122.4	0.00	3.57	0.27	0	4	1	97	0.00	0.0	7.116	0.152	0	0	0	1
030851	PL.43364	A	Consumer	14.69Y	122.4	0.00	3.57	0.27	0	4	1	97	0.00	0.0	7.116	0.000	4	1	1	1
PL.21834	PL.21833	A	4ACSR	14.69Y	122.4	0.02	3.59	26.49	14	380	86	98	0.07	0.0	6.988	0.041	0	0	0	168
PL.21835	PL.21834	A	4ACSR	14.67Y	122.2	0.18	3.77	26.48	14	379	86	98	0.51	0.1	7.291	0.303	0	0	0	167
PL.21836	PL.21835	A	4ACSR	14.67Y	122.2	0.02	3.78	26.46	14	378	86	98	0.05	0.0	7.320	0.029	0	0	0	166
PL.21656	PL.21836	A	4ACSR	14.66Y	122.2	0.04	3.83	26.46	14	378	86	98	0.13	0.0	7.396	0.077	0	0	0	166
PD.408-A	PL.21656	A	Closed	14.66Y	122.2	0.00	3.83	26.46	0	378	85	98	0.00	0.0	7.396	0.000	0	0	0	166
PD.408-B	PD.408-A	A	Closed	14.66Y	122.2	0.00	3.83	26.46	0	378	85	98	0.00	0.0	7.396	0.000	0	0	0	166
PL.21657	PD.408-B	A	4ACSR	14.66Y	122.2	0.00	3.83	26.46	14	378	85	98	0.01	0.0	7.399	0.003	0	0	0	166
459824	PL.21657	A	Consumer	14.66Y	122.2	0.00	3.83	0.00	0	0	0	100	0.00	0.0	7.399	0.000	0	0	1	1
PL.21837	PL.21657	A	4ACSR	14.66Y	122.1	0.03	3.86	26.46	14	378	85	98	0.08	0.0	7.446	0.047	0	0	0	165
PL.21142	PL.21837	A	4ACSR	14.66Y	122.1	0.00	3.86	0.24	0	4	1	97	0.00	0.0	7.505	0.059	0	0	0	4
459837	PL.21142	A	Consumer	14.66Y	122.1	0.00	3.86	0.20	0	3	0	100	0.00	0.0	7.505	0.000	3	0	1	1
PL.21143	PL.21142	A	4ACSR	14.66Y	122.1	0.00	3.86	0.04	0	1	0	100	0.00	0.0	7.539	0.033	0	0	0	3
459812	PL.21143	A	Consumer	14.66Y	122.1	0.00	3.86	0.03	0	0	0	100	0.00	0.0	7.539	0.000	0	0	1	1
459813	PL.21143	A	Consumer	14.66Y	122.1	0.00	3.86	0.00	0	0	0	100	0.00	0.0	7.539	0.000	0	0	1	1
459814	PL.21143	A	Consumer	14.66Y	122.1	0.00	3.86	0.00	0	0	0	100	0.00	0.0	7.539	0.000	0	0	1	1
PL.22256	PL.21837	A	4ACSR	14.66Y	122.1	0.00	3.86	1.61	1	23	4	99	0.00	0.0	7.495	0.049	0	0	0	4
PD.1054	PL.22256	A	fuse6AMP	14.66Y	122.1	0.00	3.86	1.61	27	23	4	99	0.00	0.0	7.495	0.000	0	0	0	4
PL.22257	PD.1054	A	4ACSR	14.66Y	122.1	0.00	3.86	1.61	1	23	4	99	0.00	0.0	7.585	0.090	0	0	0	4
PL.22513	PL.22257	A	4ACSR	14.66Y	122.1	0.00	3.86	0.99	1	14	2	99	0.00	0.0	7.670	0.085	0	0	0	3
PL.39608	PL.22513	A	2ACSR	14.66Y	122.1	0.00	3.86	0.20	0	3	0	100	0.00	0.0	7.702	0.032	0	0	0	1
4598038	PL.39608	A	Consumer	14.66Y	122.1	0.00	3.86	0.20	0	3	0	100	0.00	0.0	7.702	0.000	3	0	1	1
459825	PL.22513	A	Consumer	14.66Y	122.1	0.00	3.86	0.25	0	4	1	97	0.00	0.0	7.670	0.000	4	1	1	1
PL.22458	PL.22513	A	4ACSR	14.66Y	122.1	0.00	3.86	0.54	0	8	1	99	0.00	0.0	7.716	0.046	0	0	0	1
PL.23083	PL.22458	A	4ACSR	14.66Y	122.1	0.00	3.87	0.54	0	8	1	99	0.00	0.0	8.043	0.327	0	0	0	1
459701	PL.23083	A	Consumer	14.66Y	122.1	0.00	3.87	0.54	0	8	1	99	0.00	0.0	8.043	0.000	8	1	1	1
459827	PL.22257	A	Consumer	14.66Y	122.1	0.00	3.86	0.62	0	9	1	99	0.00	0.0	7.585	0.000	9	1	1	1
PL.21654	PL.21837	A	4ACSR	14.65Y	122.1	0.06	3.91	24.61	13	351	81	97	0.15	0.0	7.548	0.102	0	0	0	157
PL.21655	PL.21654	A	4ACSR	14.65Y	122.1	0.00	3.92	24.61	13	351	81	97	0.01	0.0	7.555	0.007	0	0	0	157
PL.21838	PL.21655	A	4ACSR	14.65Y	122.1	0.01	3.93	24.08	12	344	80	97	0.02	0.0	7.570	0.015	0	0	0	152
459834	PL.21838	A	Consumer	14.65Y	122.1	0.00	3.93	0.00	0	0	0	100	0.00	0.0	7.570	0.000	0	0	0	0
459816	PL.21838	A	Consumer	14.65Y	122.1	0.00	3.93	0.03	0	0	0	100	0.00	0.0	7.570	0.000	0	0	1	1
459815	PL.21838	A	Consumer	14.65Y	122.1	0.00	3.93	0.03	0	0	0	100	0.00	0.0	7.570	0.000	0	0	1	1
459823	PL.21838	A	Consumer	14.65Y	122.1	0.00	3.93	0.08	0	1	0	100	0.00	0.0	7.570	0.000	1	0	1	1

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Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.21839	PL.21838	A	4ACSR	14.64Y	122.0	0.04	3.96	23.93	12	342	79	97	0.09	0.0	7.637	0.066	0	0	0	149
PL.21840	PL.21839	A	4ACSR	14.64Y	122.0	0.06	4.02	22.24	11	317	75	97	0.15	0.0	7.763	0.126	0	0	0	145
PL.19314	PL.21840	A	4ACSR	14.63Y	121.9	0.04	4.06	22.24	11	317	75	97	0.10	0.0	7.844	0.081	0	0	0	145
459804	PL.19314	A	Consumer	14.63Y	121.9	0.00	4.06	0.00	0	0	0	100	0.00	0.0	7.844	0.000	0	0	1	1
459808	PL.19314	A	Consumer	14.63Y	121.9	0.00	4.06	0.17	0	3	0	100	0.00	0.0	7.844	0.000	3	0	1	1
PL.19315	PL.19314	A	4ACSR	14.63Y	121.9	0.04	4.10	22.07	11	314	75	97	0.10	0.0	7.930	0.086	0	0	0	143
459809	PL.19315	A	Consumer	14.63Y	121.9	0.00	4.10	0.01	0	0	0	100	0.00	0.0	7.930	0.000	0	0	1	1
459810	PL.19315	A	Consumer	14.63Y	121.9	0.00	4.10	0.46	0	7	1	99	0.00	0.0	7.930	0.000	7	1	1	1
459807	PL.19315	A	Consumer	14.63Y	121.9	0.00	4.10	0.35	0	5	1	98	0.00	0.0	7.930	0.000	5	1	1	1
PL.17995	PL.19315	A	4ACSR	14.63Y	121.9	0.01	4.12	21.25	11	302	73	97	0.03	0.0	7.961	0.031	0	0	0	140
PL.7003	PL.17995	A	4ACSR	14.62Y	121.9	0.02	4.14	21.21	11	302	73	97	0.04	0.0	8.000	0.039	0	0	0	139
459805	PL.7003	A	Consumer	14.62Y	121.9	0.00	4.14	0.03	0	0	0	100	0.00	0.0	8.000	0.000	0	0	1	1
PL.10425	PL.7003	A	4ACSR	14.62Y	121.8	0.07	4.20	21.17	11	301	73	97	0.15	0.1	8.142	0.142	0	0	0	138
458803	PL.10425	A	Consumer	14.62Y	121.8	0.00	4.20	0.00	0	0	0	100	0.00	0.0	8.142	0.000	0	0	1	1
PL.20573	PL.10425	A	4ACSR	14.61Y	121.8	0.00	4.21	21.17	11	301	72	97	0.01	0.0	8.152	0.011	0	0	0	137
PD.407-A	PL.20573	A	Closed	14.61Y	121.8	0.00	4.21	21.17	0	301	72	97	0.00	0.0	8.152	0.000	0	0	0	137
PD.407-B	PD.407-A	A	Closed	14.61Y	121.8	0.00	4.21	21.17	0	301	72	97	0.00	0.0	8.152	0.000	0	0	0	137
PL.20574	PD.407-B	A	4ACSR	14.61Y	121.8	0.04	4.25	21.17	11	301	72	97	0.09	0.0	8.233	0.080	0	0	0	137
458811	PL.20574	A	Consumer	14.61Y	121.8	0.00	4.25	0.23	0	3	1	95	0.00	0.0	8.233	0.000	3	1	1	1
458809	PL.20574	A	Consumer	14.61Y	121.8	0.00	4.25	0.02	0	0	0	100	0.00	0.0	8.233	0.000	0	0	1	1
PL.6999	PL.20574	A	4ACSR	14.61Y	121.7	0.04	4.29	20.93	11	297	72	97	0.10	0.0	8.324	0.091	0	0	0	135
PL.7000	PL.6999	A	4ACSR	14.60Y	121.7	0.03	4.32	20.10	10	285	70	97	0.06	0.0	8.386	0.062	0	0	0	134
458826	PL.7000	A	Consumer	14.60Y	121.7	0.00	4.32	0.47	0	7	1	99	0.00	0.0	8.386	0.000	7	1	1	1
458836	PL.7000	A	Consumer	14.60Y	121.7	0.00	4.32	0.06	0	1	0	100	0.00	0.0	8.386	0.000	1	0	1	1
458859	PL.7000	A	Consumer	14.60Y	121.7	0.00	4.32	0.00	0	0	0	100	0.00	0.0	8.386	0.000	0	0	1	1
PL.27272	PL.7000	A	4ACSR	14.60Y	121.7	0.00	4.32	2.32	1	33	5	99	0.00	0.0	8.388	0.002	0	0	0	16
PD.1053	PL.27272	A	fuse6AMP	14.60Y	121.7	0.00	4.32	2.32	40	33	5	99	0.00	0.0	8.388	0.000	0	0	0	16
PL.27273	PD.1053	A	4ACSR	14.60Y	121.7	0.00	4.32	2.32	1	33	5	99	0.00	0.0	8.429	0.040	0	0	0	16
458844	PL.27273	A	Consumer	14.60Y	121.7	0.00	4.32	0.01	0	0	0	100	0.00	0.0	8.429	0.000	0	0	1	1
458807	PL.27273	A	Consumer	14.60Y	121.7	0.00	4.32	0.01	0	0	0	100	0.00	0.0	8.429	0.000	0	0	1	1
PL.10426	PL.27273	A	4ACSR	14.60Y	121.7	0.00	4.32	1.63	1	23	4	99	0.00	0.0	8.470	0.041	0	0	0	9
PL.7001	PL.10426	A	4ACSR	14.60Y	121.7	0.00	4.32	1.37	1	20	3	99	0.00	0.0	8.544	0.074	0	0	0	6
PL.19959	PL.7001	A	4ACSR	14.60Y	121.7	0.00	4.32	0.99	1	14	2	99	0.00	0.0	8.600	0.056	0	0	0	5
458849	PL.19959	A	Consumer	14.60Y	121.7	0.00	4.32	0.62	0	9	1	99	0.00	0.0	8.600	0.000	9	1	1	1
458850	PL.19959	A	Consumer	14.60Y	121.7	0.00	4.32	0.18	0	3	0	100	0.00	0.0	8.600	0.000	3	0	1	1
PL.19960	PL.19959	A	4ACSR	14.60Y	121.7	0.00	4.32	0.19	0	3	0	100	0.00	0.0	8.659	0.059	0	0	0	3
PL.6997	PL.19960	A	4ACSR	14.60Y	121.7	0.00	4.32	0.00	0	0	0	100	0.00	0.0	8.691	0.032	0	0	0	1
PL.6998	PL.6997	A	4ACSR	14.60Y	121.7	0.00	4.32	0.00	0	0	0	100	0.00	0.0	8.731	0.040	0	0	0	1

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Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.6996	PL.6998	A	4ACSR	14.60Y	121.7	0.00	4.32	0.00	0	0	0	100	0.00	0.0	8.768	0.037	0	0	0	1
458854	PL.6996	A	Consumer	14.60Y	121.7	0.00	4.32	0.00	0	0	0	100	0.00	0.0	8.768	0.000	0	0	1	1
458853	PL.19960	A	Consumer	14.60Y	121.7	0.00	4.32	0.00	0	0	0	100	0.00	0.0	8.659	0.000	0	0	1	1
458820	PL.19960	A	Consumer	14.60Y	121.7	0.00	4.32	0.19	0	3	0	100	0.00	0.0	8.659	0.000	3	0	1	1
458818	PL.19960	A	Consumer	14.60Y	121.7	0.00	4.32	0.00	0	0	0	100	0.00	0.0	8.659	0.000	0	0	0	0
458808	PL.19960	A	Consumer	14.60Y	121.7	0.00	4.32	0.00	0	0	0	100	0.00	0.0	8.659	0.000	0	0	0	0
PL.2625	PL.7001	A	4ACSR	14.60Y	121.7	0.00	4.32	0.00	0	0	0	100	0.00	0.0	8.649	0.105	0	0	0	0
458845	PL.2625	A	Consumer	14.60Y	121.7	0.00	4.32	0.00	0	0	0	100	0.00	0.0	8.649	0.000	0	0	0	0
458851	PL.7001	A	Consumer	14.60Y	121.7	0.00	4.32	0.38	0	5	1	98	0.00	0.0	8.544	0.000	5	1	1	1
458840	PL.10426	A	Consumer	14.60Y	121.7	0.00	4.32	0.01	0	0	0	100	0.00	0.0	8.470	0.000	0	0	1	1
458841	PL.10426	A	Consumer	14.60Y	121.7	0.00	4.32	0.07	0	1	0	100	0.00	0.0	8.470	0.000	1	0	1	1
458852	PL.10426	A	Consumer	14.60Y	121.7	0.00	4.32	0.17	0	2	0	100	0.00	0.0	8.470	0.000	2	0	1	1
PL.19521	PL.27273	A	4ACSR	14.60Y	121.7	0.00	4.32	0.68	0	10	2	98	0.00	0.0	8.471	0.043	0	0	0	5
458839	PL.19521	A	Consumer	14.60Y	121.7	0.00	4.32	0.03	0	0	0	100	0.00	0.0	8.471	0.000	0	0	1	1
458838	PL.19521	A	Consumer	14.60Y	121.7	0.00	4.32	0.00	0	0	0	100	0.00	0.0	8.471	0.000	0	0	0	0
PL.19522	PL.19521	A	4ACSR	14.60Y	121.7	0.00	4.32	0.66	0	9	2	98	0.00	0.0	8.514	0.043	0	0	0	4
458842	PL.19522	A	Consumer	14.60Y	121.7	0.00	4.32	0.00	0	0	0	100	0.00	0.0	8.514	0.000	0	0	1	1
PL.6995	PL.19522	A	4ACSR	14.60Y	121.7	0.00	4.32	0.66	0	9	2	98	0.00	0.0	8.542	0.028	0	0	0	3
458837	PL.6995	A	Consumer	14.60Y	121.7	0.00	4.32	0.02	0	0	0	100	0.00	0.0	8.542	0.000	0	0	1	1
458866	PL.6995	A	Consumer	14.60Y	121.7	0.00	4.32	0.00	0	0	0	100	0.00	0.0	8.542	0.000	0	0	0	0
458843	PL.6995	A	Consumer	14.60Y	121.7	0.00	4.32	0.64	0	9	2	98	0.00	0.0	8.542	0.000	9	2	1	1
458848	PL.6995	A	Consumer	14.60Y	121.7	0.00	4.32	0.00	0	0	0	100	0.00	0.0	8.542	0.000	0	0	1	1
PL.10427	PL.7000	A	4ACSR	14.60Y	121.7	0.02	4.33	17.26	9	244	63	97	0.03	0.0	8.426	0.040	0	0	0	115
PL.10488	PL.10427	A	4ACSR	14.60Y	121.7	-0.00	4.33	0.04	0	1	0	100	0.00	0.0	8.428	0.002	0	0	0	9
PL.27270	PL.10488	A	4ACSR	14.60Y	121.7	-0.00	4.33	0.04	0	1	0	100	0.00	0.0	8.431	0.003	0	0	0	9
PD.1052	PL.27270	A	fuse6AMP	14.60Y	121.7	0.00	4.33	0.04	1	1	0	100	0.00	0.0	8.431	0.000	0	0	0	9
PL.27271	PD.1052	A	4ACSR	14.60Y	121.7	0.00	4.33	0.04	0	1	0	100	0.00	0.0	8.569	0.138	0	0	0	9
PL.10489	PL.27271	A	4ACSR	14.60Y	121.7	0.00	4.33	0.02	0	0	0	100	0.00	0.0	8.609	0.040	0	0	0	5
PL.7002	PL.10489	A	4ACSR	14.60Y	121.7	0.00	4.33	0.02	0	0	0	100	0.00	0.0	8.649	0.039	0	0	0	5
PL.22528	PL.7002	A	4ACSR	14.60Y	121.7	0.00	4.33	0.02	0	0	0	100	0.00	0.0	8.695	0.047	0	0	0	4
458863	PL.22528	A	Consumer	14.60Y	121.7	0.00	4.33	0.00	0	0	0	100	0.00	0.0	8.695	0.000	0	0	0	0
458865	PL.22528	A	Consumer	14.60Y	121.7	0.00	4.33	0.00	0	0	0	100	0.00	0.0	8.695	0.000	0	0	1	1
458855	PL.22528	A	Consumer	14.60Y	121.7	0.00	4.33	0.00	0	0	0	100	0.00	0.0	8.695	0.000	0	0	1	1
458835	PL.22528	A	Consumer	14.60Y	121.7	0.00	4.33	0.00	0	0	0	100	0.00	0.0	8.695	0.000	0	0	0	0
458864	PL.22528	A	Consumer	14.60Y	121.7	0.00	4.33	0.00	0	0	0	100	0.00	0.0	8.695	0.000	0	0	1	1
458833	PL.22528	A	Consumer	14.60Y	121.7	0.00	4.33	0.02	0	0	0	100	0.00	0.0	8.695	0.000	0	0	1	1
458857	PL.7002	A	Consumer	14.60Y	121.7	0.00	4.33	0.00	0	0	0	100	0.00	0.0	8.649	0.000	0	0	1	1
458829	PL.27271	A	Consumer	14.60Y	121.7	0.00	4.33	0.00	0	0	0	100	0.00	0.0	8.569	0.000	0	0	1	1

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
458801	PL.27271	A	Consumer	14.60Y	121.7	0.00	4.33	0.00	0	0	0	100	0.00	0.0	8.569	0.000	0	0	1	1
458831	PL.27271	A	Consumer	14.60Y	121.7	0.00	4.33	0.00	0	0	0	100	0.00	0.0	8.569	0.000	0	0	1	1
458830	PL.27271	A	Consumer	14.60Y	121.7	0.00	4.33	0.02	0	0	0	100	0.00	0.0	8.569	0.000	0	0	1	1
PL.10487	PL.10427	A	4ACSR	14.60Y	121.7	0.01	4.35	17.22	9	243	63	97	0.03	0.0	8.462	0.036	0	0	0	106
458828	PL.10487	A	Consumer	14.60Y	121.7	0.00	4.35	0.01	0	0	0	100	0.00	0.0	8.462	0.000	0	0	1	1
458847	PL.10487	A	Consumer	14.60Y	121.7	0.00	4.35	0.00	0	0	0	100	0.00	0.0	8.462	0.000	0	0	0	0
458846	PL.10487	A	Consumer	14.60Y	121.7	0.00	4.35	0.00	0	0	0	100	0.00	0.0	8.462	0.000	0	0	1	1
458825	PL.10487	A	Consumer	14.60Y	121.7	0.00	4.35	0.00	0	0	0	100	0.00	0.0	8.462	0.000	0	0	0	0
PL.19679	PL.10487	A	4ACSR	14.60Y	121.6	0.02	4.37	17.21	9	243	63	97	0.04	0.0	8.516	0.054	0	0	0	104
458823	PL.19679	A	Consumer	14.60Y	121.6	0.00	4.37	0.22	0	3	1	95	0.00	0.0	8.516	0.000	3	1	1	1
458856	PL.19679	A	Consumer	14.60Y	121.6	0.00	4.37	0.02	0	0	0	100	0.00	0.0	8.516	0.000	0	0	1	1
458862	PL.19679	A	Consumer	14.60Y	121.6	0.00	4.37	0.01	0	0	0	100	0.00	0.0	8.516	0.000	0	0	1	1
458861	PL.19679	A	Consumer	14.60Y	121.6	0.00	4.37	0.01	0	0	0	100	0.00	0.0	8.516	0.000	0	0	1	1
458860	PL.19679	A	Consumer	14.60Y	121.6	0.00	4.37	0.00	0	0	0	100	0.00	0.0	8.516	0.000	0	0	1	1
PL.19680	PL.19679	A	4ACSR	14.59Y	121.6	0.04	4.40	16.94	9	239	62	97	0.07	0.0	8.612	0.095	0	0	0	99
PL.10490	PL.19680	A	4ACSR	14.59Y	121.6	0.02	4.43	15.90	8	224	60	97	0.04	0.0	8.680	0.068	0	0	0	97
PL.27672	PL.10490	A	4ACSR	14.59Y	121.5	0.03	4.45	15.17	8	214	58	97	0.04	0.0	8.755	0.075	0	0	0	93
458815	PL.27672	A	Consumer	14.59Y	121.5	0.00	4.45	0.00	0	0	0	100	0.00	0.0	8.755	0.000	0	0	1	1
PL.28381	PL.27672	A	4ACSR	14.58Y	121.5	0.02	4.47	15.17	8	214	58	97	0.03	0.0	8.814	0.059	0	0	0	92
PL.21841	PL.28381	A	4ACSR	14.58Y	121.5	0.01	4.48	15.03	8	211	58	96	0.02	0.0	8.846	0.031	0	0	0	87
PL.27269	PL.21841	A	4ACSR	14.58Y	121.5	0.00	4.49	15.03	8	211	58	96	0.00	0.0	8.851	0.006	0	0	0	87
PD.3524	PL.27269	A	35L	14.58Y	121.5	0.00	4.49	15.03	43	211	58	96	0.00	0.0	8.851	0.000	0	0	0	87
PL.46582	PD.3524	A	4ACSR	14.58Y	121.5	0.03	4.51	15.03	8	211	58	96	0.04	0.0	8.931	0.080	0	0	0	87
C ST.27	PL.46582	A	Transforme	7.15Y	119.2	2.31	6.82	15.03	130	211	58	96	0.93	0.4	8.931	0.000	0	0	0	87 C
PL.46583	ST.27	A	4ACSR	7.13Y	118.9	0.32	7.15	30.06	15	210	44	98	0.53	0.2	9.174	0.244	0	0	0	87
L PL.21534	PL.46583	A	4ACSR	7.07Y	117.8	1.09	8.24	28.41	15	198	41	98	1.69	0.9	10.052	0.878	0	0	0	80 L
L PL.21535	PL.21534	A	4ACSR	7.05Y	117.5	0.29	8.53	28.41	15	197	40	98	0.45	0.2	10.284	0.232	0	0	0	80 L
L PL.28602	PL.21535	A	4ACSR	7.04Y	117.3	0.20	8.73	28.41	15	196	40	98	0.30	0.2	10.442	0.158	0	0	0	80 L
L PL.28532	PL.28602	A	4ACSR	7.04Y	117.3	0.00	8.73	9.38	5	64	18	96	0.00	0.0	10.450	0.008	0	0	0	26 L
L PD.2665	PL.28532	A	25L	7.04Y	117.3	0.00	8.73	9.38	38	64	18	96	0.00	0.0	10.450	0.000	0	0	0	26 L
L PL.28533	PD.2665	A	4ACSR	7.01Y	116.8	0.44	9.17	9.38	5	64	18	96	0.22	0.3	11.494	1.044	0	0	0	26 L
L PL.22665	PL.28533	A	4ACSR	7.01Y	116.8	0.03	9.20	1.25	1	8	3	94	0.00	0.0	12.095	0.602	0	0	0	18 L
L PL.21675	PL.22665	A	4ACSR	7.01Y	116.8	0.00	9.20	1.25	1	8	3	94	0.00	0.0	12.101	0.005	0	0	0	18 L
L PD.2664	PL.21675	A	15H	7.01Y	116.8	0.00	9.20	1.25	8	8	3	94	0.00	0.0	12.101	0.000	0	0	0	18 L
L PL.21869	PD.2664	A	4ACSR	7.01Y	116.8	0.01	9.21	1.25	1	8	3	94	0.00	0.0	12.236	0.136	0	0	0	18 L
L PL.22190	PL.21869	A	4ACSR	7.01Y	116.8	0.01	9.22	0.77	0	5	2	93	0.00	0.0	12.633	0.396	0	0	0	17 L
L PL.28601	PL.22190	A	4ACSR	7.01Y	116.8	0.00	9.23	0.77	0	5	2	93	0.00	0.0	12.706	0.074	0	0	0	17 L
L PL.28599	PL.28601	A	4ACSR	7.01Y	116.8	0.02	9.24	0.77	0	5	2	93	0.00	0.0	13.228	0.522	0	0	0	17 L

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Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
L PL.22667	PL.28599	A	4ACSR	7.01Y	116.8	0.00	9.25	0.77	0	5	2	93	0.00	0.0	13.333	0.105	0	0	0	17 L
L PL.28600	PL.22667	A	4ACSR	7.00Y	116.7	0.01	9.26	0.77	0	5	2	93	0.00	0.0	13.691	0.359	0	0	0	17 L
L PL.22118	PL.28600	A	4ACSR	7.00Y	116.7	0.01	9.27	0.77	0	5	2	93	0.00	0.0	13.847	0.156	0	0	0	17 L
L PD.414-A	PL.22118	A	Closed	7.00Y	116.7	0.00	9.27	0.77	0	5	2	93	0.00	0.0	13.847	0.000	0	0	0	17 L
L PD.414-B	PD.414-A	A	Closed	7.00Y	116.7	0.00	9.27	0.77	0	5	2	93	0.00	0.0	13.847	0.000	0	0	0	17 L
L PL.22119	PD.414-B	A	4ACSR	7.00Y	116.7	0.00	9.27	0.77	0	5	2	93	0.00	0.0	13.893	0.046	0	0	0	17 L
L PL.29243	PL.22119	A	4ACSR	7.00Y	116.7	0.01	9.28	0.77	0	5	2	93	0.00	0.0	14.098	0.206	0	0	0	17 L
L 464201	PL.29243	A	Consumer	7.00Y	116.7	0.00	9.28	0.01	0	0	0	100	0.00	0.0	14.098	0.000	0	0	1	1 L
L PL.29227	PL.29243	A	4ACSR	7.00Y	116.7	0.01	9.28	0.76	0	5	2	93	0.00	0.0	14.280	0.181	0	0	0	16 L
L PL.29228	PL.29227	A	4ACSR	7.00Y	116.7	0.00	9.28	0.66	0	4	2	89	0.00	0.0	14.304	0.025	0	0	0	15 L
L PL.29226	PL.29228	A	4ACSR	7.00Y	116.7	0.00	9.29	0.66	0	4	2	89	0.00	0.0	14.443	0.138	0	0	0	15 L
L PL.29229	PL.29226	A	4ACSR	7.00Y	116.7	0.00	9.29	0.52	0	3	2	83	0.00	0.0	14.537	0.094	0	0	0	13 L
L PL.29564	PL.29229	A	4ACSR	7.00Y	116.7	0.00	9.29	0.42	0	3	1	95	0.00	0.0	14.595	0.059	0	0	0	2 L
L 464217	PL.29564	A	Consumer	7.00Y	116.7	0.00	9.29	0.00	0	0	0	100	0.00	0.0	14.595	0.000	0	0	1	1 L
L 464209	PL.29564	A	Consumer	7.00Y	116.7	0.00	9.29	0.42	0	3	1	95	0.00	0.0	14.595	0.000	3	1	1	1 L
L PL.29230	PL.29229	A	4ACSR	7.00Y	116.7	0.00	9.29	0.10	0	1	0	100	0.00	0.0	14.591	0.055	0	0	0	11 L
L PL.29231	PL.29230	A	4ACSR	7.00Y	116.7	0.00	9.29	0.10	0	1	0	100	0.00	0.0	14.713	0.122	0	0	0	10 L
L PL.29232	PL.29231	A	4ACSR	7.00Y	116.7	0.00	9.29	0.10	0	1	0	100	0.00	0.0	14.800	0.087	0	0	0	10 L
L PL.29566	PL.29232	A	4ACSR	7.00Y	116.7	0.00	9.29	0.01	0	0	0	100	0.00	0.0	14.882	0.082	0	0	0	1 L
L 464211	PL.29566	A	Consumer	7.00Y	116.7	0.00	9.29	0.01	0	0	0	100	0.00	0.0	14.882	0.000	0	0	1	1 L
L PL.29237	PL.29232	A	4ACSR	7.00Y	116.7	0.00	9.29	0.09	0	1	0	100	0.00	0.0	14.881	0.081	0	0	0	9 L
L PL.29238	PL.29237	A	4ACSR	7.00Y	116.7	0.00	9.29	0.06	0	0	0	100	0.00	0.0	15.071	0.190	0	0	0	6 L
L PL.29239	PL.29238	A	4ACSR	7.00Y	116.7	0.00	9.29	0.06	0	0	0	100	0.00	0.0	15.137	0.066	0	0	0	5 L
L PL.29240	PL.29239	A	4ACSR	7.00Y	116.7	0.00	9.29	0.06	0	0	0	100	0.00	0.0	15.139	0.002	0	0	0	5 L
L PL.29569	PL.29240	A	4ACSR	7.00Y	116.7	0.00	9.29	0.00	0	0	0	100	0.00	0.0	15.242	0.103	0	0	0	1 L
L 464303	PL.29569	A	Consumer	7.00Y	116.7	0.00	9.29	0.00	0	0	0	100	0.00	0.0	15.242	0.000	0	0	1	1 L
L 464309	PL.29240	A	Consumer	7.00Y	116.7	0.00	9.29	0.00	0	0	0	100	0.00	0.0	15.139	0.000	0	0	1	1 L
L PL.29241	PL.29240	A	4ACSR	7.00Y	116.7	0.00	9.29	0.06	0	0	0	100	0.00	0.0	15.304	0.165	0	0	0	3 L
L PL.29244	PL.29241	A	4ACSR	7.00Y	116.7	0.00	9.29	0.06	0	0	0	100	0.00	0.0	15.327	0.023	0	0	0	3 L
L PL.29541	PL.29244	A	4ACSR	7.00Y	116.7	0.00	9.29	0.00	0	0	0	100	0.00	0.0	15.383	0.056	0	0	0	2 L
L 464306	PL.29541	A	Consumer	7.00Y	116.7	0.00	9.29	0.00	0	0	0	100	0.00	0.0	15.383	0.000	0	0	1	1 L
L 464310	PL.29541	A	Consumer	7.00Y	116.7	0.00	9.29	0.00	0	0	0	100	0.00	0.0	15.383	0.000	0	0	1	1 L
L PL.29542	PL.29541	A	4ACSR	7.00Y	116.7	0.00	9.29	0.00	0	0	0	100	0.00	0.0	15.480	0.097	0	0	0	0 L
L 464305	PL.29244	A	Consumer	7.00Y	116.7	0.00	9.29	0.06	0	0	0	100	0.00	0.0	15.327	0.000	0	0	1	1 L
L PL.29568	PL.29238	A	4ACSR	7.00Y	116.7	0.00	9.29	0.00	0	0	0	100	0.00	0.0	15.196	0.125	0	0	0	1 L
L 464301	PL.29568	A	Consumer	7.00Y	116.7	0.00	9.29	0.00	0	0	0	100	0.00	0.0	15.196	0.000	0	0	1	1 L
L PL.29567	PL.29237	A	4ACSR	7.00Y	116.7	0.00	9.29	0.04	0	0	0	100	0.00	0.0	14.921	0.040	0	0	0	3 L
L 464213	PL.29567	A	Consumer	7.00Y	116.7	0.00	9.29	0.00	0	0	0	100	0.00	0.0	14.921	0.000	0	0	1	1 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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
L 464215	PL.29567	A	Consumer	7.00Y	116.7	0.00	9.29	0.00	0	0	0	100	0.00	0.0	14.921	0.000	0	0	1	1 L
L 464218	PL.29567	A	Consumer	7.00Y	116.7	0.00	9.29	0.04	0	0	0	100	0.00	0.0	14.921	0.000	0	0	1	1 L
L PL.29565	PL.29230	A	4ACSR	7.00Y	116.7	0.00	9.29	0.00	0	0	0	100	0.00	0.0	14.633	0.041	0	0	0	1 L
L 464214	PL.29565	A	Consumer	7.00Y	116.7	0.00	9.29	0.00	0	0	0	100	0.00	0.0	14.633	0.000	0	0	1	1 L
L 464216	PL.29226	A	Consumer	7.00Y	116.7	0.00	9.29	0.00	0	0	0	100	0.00	0.0	14.443	0.000	0	0	1	1 L
L 464206	PL.29226	A	Consumer	7.00Y	116.7	0.00	9.29	0.14	0	1	0	100	0.00	0.0	14.443	0.000	1	0	1	1 L
L PL.29563	PL.29228	A	4ACSR	7.00Y	116.7	0.00	9.28	0.00	0	0	0	100	0.00	0.0	14.340	0.036	0	0	0	0 L
L PL.29562	PL.29227	A	4ACSR	7.00Y	116.7	0.00	9.28	0.10	0	1	0	100	0.00	0.0	14.316	0.036	0	0	0	1 L
L 464204	PL.29562	A	Consumer	7.00Y	116.7	0.00	9.28	0.10	0	1	0	100	0.00	0.0	14.316	0.000	1	0	1	1 L
L PL.22116	PL.21869	A	4ACSR	7.01Y	116.8	0.00	9.21	0.49	0	3	1	95	0.00	0.0	12.239	0.002	0	0	0	1 L
L PD.1050	PL.22116	A	fuse6AMP	7.01Y	116.8	0.00	9.21	0.49	8	3	1	95	0.00	0.0	12.239	0.000	0	0	0	1 L
L PL.22117	PD.1050	A	4ACSR	7.01Y	116.8	0.00	9.21	0.49	0	3	1	95	0.00	0.0	12.442	0.203	0	0	0	1 L
L 455906	PL.22117	A	Consumer	7.01Y	116.8	0.00	9.21	0.49	0	3	1	95	0.00	0.0	12.442	0.000	3	1	1	1 L
L PL.22121	PL.28533	A	4ACSR	7.01Y	116.8	0.00	9.17	8.13	4	55	15	96	0.00	0.0	11.497	0.003	0	0	0	8 L
L PD.405-A	PL.22121	A	Closed	7.01Y	116.8	0.00	9.17	8.13	0	55	15	96	0.00	0.0	11.497	0.000	0	0	0	8 L
L PD.405-B	PD.405-A	A	Closed	7.01Y	116.8	0.00	9.17	8.13	0	55	15	96	0.00	0.0	11.497	0.000	0	0	0	8 L
L PL.45318	PD.405-B	A	4ACSR	7.00Y	116.7	0.14	9.30	8.13	4	55	15	96	0.06	0.1	11.870	0.374	0	0	0	8 L
L PL.45319	PL.45318	A	4ACSR	7.00Y	116.7	0.03	9.34	8.13	4	55	15	96	0.01	0.0	11.962	0.091	0	0	0	8 L
L PD.5178	PL.45319	A	fuse6AMP	7.00Y	116.7	0.00	9.34	8.13	139	55	15	96	0.00	0.0	11.962	0.000	0	0	0	8 L
L PL.34964	PD.5178	A	4ACSR	7.00Y	116.6	0.05	9.38	7.12	4	48	13	97	0.02	0.0	12.110	0.148	0	0	0	7 L
L PD.1049	PL.34964	A	fuse6AMP	7.00Y	116.6	0.00	9.38	7.12	122	48	13	97	0.00	0.0	12.110	0.000	0	0	0	7 L
L PL.22120	PD.1049	A	4ACSR	7.00Y	116.6	0.00	9.39	7.12	4	48	13	97	0.00	0.0	12.117	0.007	0	0	0	7 L
L PL.29559	PL.22120	A	4ACSR	7.00Y	116.6	0.00	9.39	0.37	0	3	0	100	0.00	0.0	12.154	0.037	0	0	0	1 L
L 455901	PL.29559	A	Consumer	7.00Y	116.6	0.00	9.39	0.37	0	3	0	100	0.00	0.0	12.154	0.000	3	0	1	1 L
L PL.21673	PL.22120	A	4ACSR	7.00Y	116.6	0.02	9.40	6.75	3	45	13	96	0.01	0.0	12.171	0.055	0	0	0	6 L
L PL.21672	PL.21673	A	4ACSR	6.99Y	116.6	0.04	9.44	1.53	1	11	2	98	0.00	0.0	12.763	0.592	0	0	0	3 L
L PL.23082	PL.21672	A	4ACSR	6.99Y	116.6	0.00	9.44	0.47	0	3	1	95	0.00	0.0	12.837	0.074	0	0	0	2 L
L PL.23617	PL.23082	A	4ACSR	6.99Y	116.6	0.00	9.44	0.00	0	0	0	100	0.00	0.0	12.876	0.039	0	0	0	0 L
L 465201	PL.23082	A	Consumer	6.99Y	116.6	0.00	9.44	0.35	0	2	0	100	0.00	0.0	12.837	0.000	2	0	1	1 L
L PL.23618	PL.23082	A	4ACSR	6.99Y	116.6	0.00	9.44	0.12	0	1	0	100	0.00	0.0	12.967	0.130	0	0	0	1 L
L 465202	PL.23618	A	Consumer	6.99Y	116.6	0.00	9.44	0.12	0	1	0	100	0.00	0.0	12.967	0.000	1	0	1	1 L
L 455905	PL.21672	A	Consumer	6.99Y	116.6	0.00	9.44	1.06	0	7	1	99	0.00	0.0	12.763	0.000	7	1	1	1 L
L 455907	PL.21673	A	Consumer	7.00Y	116.6	0.00	9.40	1.79	0	11	5	91	0.00	0.0	12.171	0.000	11	5	1	1 L
L 455902	PL.21673	A	Consumer	7.00Y	116.6	0.00	9.40	2.49	0	17	3	98	0.00	0.0	12.171	0.000	17	3	1	1 L
L 455904	PL.21673	A	Consumer	7.00Y	116.6	0.00	9.40	1.01	0	6	3	89	0.00	0.0	12.171	0.000	6	3	1	1 L
L PL.34962	PD.5178	A	1/0EPRJCN	7.00Y	116.7	0.00	9.34	1.02	1	7	1	99	0.00	0.0	11.996	0.034	0	0	0	1 L
L 4559008	PL.34962	A	Consumer	7.00Y	116.7	0.00	9.34	1.02	0	7	1	99	0.00	0.0	11.996	0.000	7	1	1	1 L
L PL.45317	PL.45318	A	4ACSR	7.00Y	116.7	0.00	9.30	0.00	0	0	0	100	0.00	0.0	12.082	0.212	0	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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
L PL.45320	PL.45317	A	4ACSR	7.00Y	116.7	0.00	9.30	0.00	0	0	0	100	0.00	0.0	12.122	0.040	0	0	0	0 L
L 4559009	PL.45320	A	Consumer	7.00Y	116.7	0.00	9.30	0.00	0	0	0	100	0.00	0.0	12.122	0.000	0	0	0	0 L
L PL.22968	PL.28602	A	4ACSR	7.04Y	117.3	0.00	8.73	19.07	10	132	22	99	0.00	0.0	10.448	0.005	0	0	0	54 L
L PD.2666	PL.22968	A	25L	7.04Y	117.3	0.00	8.73	19.07	76	132	22	99	0.00	0.0	10.448	0.000	0	0	0	54 L
L PL.22969	PD.2666	A	4ACSR	7.03Y	117.1	0.17	8.90	19.07	10	132	22	99	0.18	0.1	10.651	0.203	0	0	0	54 L
L PL.21842	PL.22969	A	4ACSR	6.99Y	116.5	0.60	9.50	19.07	10	132	22	99	0.63	0.5	11.376	0.725	0	0	0	54 L
L PL.22112	PL.21842	A	4ACSR	6.99Y	116.5	0.00	9.50	1.64	1	11	2	98	0.00	0.0	11.380	0.005	0	0	0	15 L
L PD.1051	PL.22112	A	fuse6AMP	6.99Y	116.5	0.00	9.50	1.64	28	11	2	98	0.00	0.0	11.380	0.000	0	0	0	15 L
L PL.22113	PD.1051	A	4ACSR	6.99Y	116.5	0.01	9.50	1.64	1	11	2	98	0.00	0.0	11.475	0.095	0	0	0	15 L
L 457909	PL.22113	A	Consumer	6.99Y	116.5	0.00	9.50	0.00	0	0	0	100	0.00	0.0	11.475	0.000	0	0	1	1 L
L 456917	PL.22113	A	Consumer	6.99Y	116.5	0.00	9.50	0.00	0	0	0	100	0.00	0.0	11.475	0.000	0	0	0	0 L
L PL.22530	PL.22113	A	4ACSR	6.99Y	116.5	0.01	9.51	1.64	1	11	2	98	0.00	0.0	11.549	0.074	0	0	0	14 L
L PL.21843	PL.22530	A	4ACSR	6.99Y	116.5	0.00	9.51	1.64	1	11	2	98	0.00	0.0	11.566	0.017	0	0	0	14 L
L PL.22456	PL.21843	A	4ACSR	6.99Y	116.5	0.00	9.51	0.90	0	6	1	99	0.00	0.0	11.586	0.020	0	0	0	5 L
L PL.22457	PL.22456	A	4ACSR	6.99Y	116.5	0.00	9.51	0.60	0	4	1	97	0.00	0.0	11.611	0.025	0	0	0	3 L
L 456928	PL.22457	A	Consumer	6.99Y	116.5	0.00	9.51	0.00	0	0	0	100	0.00	0.0	11.611	0.000	0	0	1	1 L
L 456918	PL.22457	A	Consumer	6.99Y	116.5	0.00	9.51	0.29	0	2	0	100	0.00	0.0	11.611	0.000	2	0	1	1 L
L PL.22451	PL.22457	A	4ACSR	6.99Y	116.5	0.00	9.51	0.30	0	2	0	100	0.00	0.0	11.648	0.037	0	0	0	1 L
L 456919	PL.22451	A	Consumer	6.99Y	116.5	0.00	9.51	0.30	0	2	0	100	0.00	0.0	11.648	0.000	2	0	1	1 L
L 456923	PL.22456	A	Consumer	6.99Y	116.5	0.00	9.51	0.00	0	0	0	100	0.00	0.0	11.586	0.000	0	0	1	1 L
L 456927	PL.22456	A	Consumer	6.99Y	116.5	0.00	9.51	0.30	0	2	0	100	0.00	0.0	11.586	0.000	2	0	1	1 L
L PL.21844	PL.21843	A	4ACSR	6.99Y	116.5	0.00	9.51	0.74	0	5	1	98	0.00	0.0	11.651	0.085	0	0	0	9 L
L PL.33047	PL.21844	A	4ACSR	6.99Y	116.5	0.00	9.51	0.52	0	4	1	97	0.00	0.0	11.720	0.069	0	0	0	1 L
L 456925	PL.33047	A	Consumer	6.99Y	116.5	0.00	9.51	0.52	0	4	1	97	0.00	0.0	11.720	0.000	4	1	1	1 L
L 456915	PL.21844	A	Consumer	6.99Y	116.5	0.00	9.51	0.05	0	0	0	100	0.00	0.0	11.651	0.000	0	0	1	1 L
L 456913	PL.21844	A	Consumer	6.99Y	116.5	0.00	9.51	0.04	0	0	0	100	0.00	0.0	11.651	0.000	0	0	1	1 L
L 456920	PL.21844	A	Consumer	6.99Y	116.5	0.00	9.51	0.01	0	0	0	100	0.00	0.0	11.651	0.000	0	0	1	1 L
L 456916	PL.21844	A	Consumer	6.99Y	116.5	0.00	9.51	0.01	0	0	0	100	0.00	0.0	11.651	0.000	0	0	1	1 L
L 457908	PL.21844	A	Consumer	6.99Y	116.5	0.00	9.51	0.10	0	1	0	100	0.00	0.0	11.651	0.000	1	0	1	1 L
L 456921	PL.21844	A	Consumer	6.99Y	116.5	0.00	9.51	0.00	0	0	0	100	0.00	0.0	11.651	0.000	0	0	1	1 L
L 456924	PL.21844	A	Consumer	6.99Y	116.5	0.00	9.51	0.00	0	0	0	100	0.00	0.0	11.651	0.000	0	0	1	1 L
L 456911	PL.21844	A	Consumer	6.99Y	116.5	0.00	9.51	0.02	0	0	0	100	0.00	0.0	11.651	0.000	0	0	1	1 L
L PL.22666	PL.21842	A	4ACSR	6.99Y	116.5	0.04	9.54	17.43	9	120	20	99	0.04	0.0	11.429	0.054	0	0	0	39 L
L 457914	PL.22666	A	Consumer	6.99Y	116.5	0.00	9.54	0.05	0	0	0	100	0.00	0.0	11.429	0.000	0	0	1	1 L
L 457916	PL.22666	A	Consumer	6.99Y	116.5	0.00	9.54	0.17	0	1	1	71	0.00	0.0	11.429	0.000	1	1	1	1 L
L PL.28585	PL.22666	A	4ACSR	6.99Y	116.5	0.01	9.55	11.83	6	82	13	99	0.01	0.0	11.455	0.025	0	0	0	21 L
L 457913	PL.28585	A	Consumer	6.99Y	116.5	0.00	9.55	0.52	0	4	1	97	0.00	0.0	11.455	0.000	4	1	1	1 L
L 457910	PL.28585	A	Consumer	6.99Y	116.5	0.00	9.55	0.04	0	0	0	100	0.00	0.0	11.455	0.000	0	0	1	1 L

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Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L 457906	PL.28585	A	Consumer	6.99Y	116.5	0.00	9.55	0.48	0	3	1	95	0.00	0.0	11.455	0.000	3	1	1	1	L
L PL.28586	PL.28585	A	4ACSR	6.98Y	116.4	0.06	9.61	10.78	6	74	12	99	0.03	0.0	11.577	0.122	0	0	0	18	L
L PL.22531	PL.28586	A	4ACSR	6.98Y	116.4	0.04	9.65	8.82	5	61	10	99	0.02	0.0	11.688	0.111	0	0	0	17	L
L PL.22529	PL.22531	A	4ACSR	6.98Y	116.3	0.02	9.67	7.95	4	55	9	99	0.01	0.0	11.753	0.066	0	0	0	15	L
L PL.22191	PL.22529	A	4ACSR	6.98Y	116.3	0.00	9.67	7.95	4	55	9	99	0.00	0.0	11.755	0.002	0	0	0	15	L
L PL.28552	PL.22191	A	4ACSR	6.98Y	116.3	0.00	9.68	2.05	1	14	2	99	0.00	0.0	11.811	0.056	0	0	0	5	L
L 467203	PL.28552	A	Consumer	6.98Y	116.3	0.00	9.68	0.23	0	2	0	100	0.00	0.0	11.811	0.000	2	0	1	1	L
L PL.28553	PL.28552	A	4ACSR	6.98Y	116.3	0.00	9.68	1.82	1	13	2	99	0.00	0.0	11.832	0.021	0	0	0	4	L
L PL.22192	PL.28553	A	4ACSR	6.98Y	116.3	0.00	9.68	1.82	1	13	2	99	0.00	0.0	11.886	0.054	0	0	0	4	L
L PL.22193	PL.22192	A	4ACSR	6.98Y	116.3	0.00	9.68	1.77	1	12	2	99	0.00	0.0	11.898	0.013	0	0	0	3	L
L PL.22608	PL.22193	A	4ACSR	6.98Y	116.3	0.00	9.68	1.77	1	12	2	99	0.00	0.0	11.923	0.025	0	0	0	3	L
L PL.22609	PL.22608	A	4ACSR	6.98Y	116.3	0.00	9.69	1.45	1	10	2	98	0.00	0.0	11.986	0.063	0	0	0	2	L
L 467208	PL.22609	A	Consumer	6.98Y	116.3	0.00	9.69	0.12	0	1	0	100	0.00	0.0	11.986	0.000	1	0	1	1	L
L 467216	PL.22609	A	Consumer	6.98Y	116.3	0.00	9.69	1.33	0	9	1	99	0.00	0.0	11.986	0.000	9	1	1	1	L
L 467207	PL.22608	A	Consumer	6.98Y	116.3	0.00	9.68	0.32	0	2	0	100	0.00	0.0	11.923	0.000	2	0	1	1	L
L 457919	PL.22608	A	Consumer	6.98Y	116.3	0.00	9.68	0.00	0	0	0	100	0.00	0.0	11.923	0.000	0	0	0	0	L
L 4672017	PL.22608	A	Consumer	6.98Y	116.3	0.00	9.68	0.00	0	0	0	100	0.00	0.0	11.923	0.000	0	0	0	0	L
L 457918	PL.22608	A	Consumer	6.98Y	116.3	0.00	9.68	0.00	0	0	0	100	0.00	0.0	11.923	0.000	0	0	0	0	L
L 467220	PL.22608	A	Consumer	6.98Y	116.3	0.00	9.68	0.00	0	0	0	100	0.00	0.0	11.923	0.000	0	0	0	0	L
L PL.22326	PL.22192	A	4ACSR	6.98Y	116.3	0.00	9.68	0.04	0	0	0	100	0.00	0.0	11.892	0.007	0	0	0	1	L
L PL.23619	PL.22326	A	4ACSR	6.98Y	116.3	0.00	9.68	0.04	0	0	0	100	0.00	0.0	11.983	0.091	0	0	0	1	L
L 467209	PL.23619	A	Consumer	6.98Y	116.3	0.00	9.68	0.04	0	0	0	100	0.00	0.0	11.983	0.000	0	0	1	1	L
L 467219	PL.23619	A	Consumer	6.98Y	116.3	0.00	9.68	0.00	0	0	0	100	0.00	0.0	11.983	0.000	0	0	0	0	L
L PL.22194	PL.22191	A	4ACSR	6.98Y	116.3	0.02	9.69	5.90	3	41	7	99	0.01	0.0	11.834	0.079	0	0	0	10	L
L PL.22196	PL.22194	A	4ACSR	6.98Y	116.3	0.00	9.70	2.43	1	17	3	98	0.00	0.0	11.877	0.044	0	0	0	5	L
L PL.23620	PL.22196	A	4ACSR	6.98Y	116.3	0.00	9.70	0.25	0	2	0	100	0.00	0.0	11.908	0.030	0	0	0	1	L
L 467214	PL.23620	A	Consumer	6.98Y	116.3	0.00	9.70	0.25	0	2	0	100	0.00	0.0	11.908	0.000	2	0	1	1	L
L PL.22197	PL.22196	A	4ACSR	6.98Y	116.3	0.00	9.70	2.18	1	15	2	99	0.00	0.0	11.898	0.021	0	0	0	4	L
L 467215	PL.22197	A	Consumer	6.98Y	116.3	0.00	9.70	0.26	0	2	0	100	0.00	0.0	11.898	0.000	2	0	1	1	L
L 467213	PL.22197	A	Consumer	6.98Y	116.3	0.00	9.70	0.00	0	0	0	100	0.00	0.0	11.898	0.000	0	0	1	1	L
L 467218	PL.22197	A	Consumer	6.98Y	116.3	0.00	9.70	0.00	0	0	0	100	0.00	0.0	11.898	0.000	0	0	1	1	L
L 467210	PL.22197	A	Consumer	6.98Y	116.3	0.00	9.70	1.92	0	13	2	99	0.00	0.0	11.898	0.000	13	2	1	1	L
L PL.22195	PL.22194	A	4ACSR	6.98Y	116.3	0.02	9.71	3.47	2	24	4	99	0.00	0.0	11.938	0.105	0	0	0	5	L
L PL.22200	PL.22195	A	4ACSR	6.98Y	116.3	0.00	9.71	0.42	0	3	0	100	0.00	0.0	11.995	0.056	0	0	0	1	L
L PL.21671	PL.22200	A	4ACSR	6.98Y	116.3	0.00	9.71	0.00	0	0	0	100	0.00	0.0	12.014	0.020	0	0	0	0	L
L PL.22198	PL.21671	A	4ACSR	6.98Y	116.3	0.00	9.71	0.00	0	0	0	100	0.00	0.0	12.049	0.035	0	0	0	0	L
L PL.22199	PL.22198	A	4ACSR	6.98Y	116.3	0.00	9.71	0.00	0	0	0	100	0.00	0.0	12.084	0.035	0	0	0	0	L
L PL.23616	PL.22199	A	4ACSR	6.98Y	116.3	0.00	9.71	0.00	0	0	0	100	0.00	0.0	12.106	0.022	0	0	0	0	L

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Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
L 466208	PL.23616	A	Consumer	6.98Y	116.3	0.00	9.71	0.00	0	0	0	100	0.00	0.0	12.106	0.000	0	0	0	0 L
L PL.23621	PL.22200	A	4ACSR	6.98Y	116.3	0.00	9.71	0.42	0	3	0	100	0.00	0.0	12.003	0.009	0	0	0	1 L
L PL.22327	PL.23621	A	4ACSR	6.98Y	116.3	0.00	9.71	0.42	0	3	0	100	0.00	0.0	12.048	0.045	0	0	0	1 L
L 457901	PL.22327	A	Consumer	6.98Y	116.3	0.00	9.71	0.42	0	3	0	100	0.00	0.0	12.048	0.000	3	0	1	1 L
L 467204	PL.22195	A	Consumer	6.98Y	116.3	0.00	9.71	2.02	0	14	2	99	0.00	0.0	11.938	0.000	14	2	1	1 L
L 467212	PL.22195	A	Consumer	6.98Y	116.3	0.00	9.71	0.52	0	4	1	97	0.00	0.0	11.938	0.000	4	1	1	1 L
L 467211	PL.22195	A	Consumer	6.98Y	116.3	0.00	9.71	0.07	0	0	0	100	0.00	0.0	11.938	0.000	0	0	1	1 L
L 467202	PL.22195	A	Consumer	6.98Y	116.3	0.00	9.71	0.44	0	3	0	100	0.00	0.0	11.938	0.000	3	0	1	1 L
L 457902	PL.22531	A	Consumer	6.98Y	116.4	0.00	9.65	0.62	0	4	1	97	0.00	0.0	11.688	0.000	4	1	1	1 L
L 4579017	PL.22531	A	Consumer	6.98Y	116.4	0.00	9.65	0.24	0	2	0	100	0.00	0.0	11.688	0.000	2	0	1	1 L
L 457907	PL.28586	A	Consumer	6.98Y	116.4	0.00	9.61	1.96	0	14	2	99	0.00	0.0	11.577	0.000	14	2	1	1 L
L PL.21847	PL.22666	A	4ACSR	6.99Y	116.5	0.00	9.54	1.56	1	11	2	98	0.00	0.0	11.477	0.048	0	0	0	3 L
L 457911	PL.21847	A	Consumer	6.99Y	116.5	0.00	9.54	0.67	0	5	1	98	0.00	0.0	11.477	0.000	5	1	1	1 L
L PL.21848	PL.21847	A	4ACSR	6.99Y	116.5	0.00	9.54	0.88	0	6	1	99	0.00	0.0	11.563	0.086	0	0	0	2 L
L 457915	PL.21848	A	Consumer	6.99Y	116.5	0.00	9.54	0.88	0	6	1	99	0.00	0.0	11.563	0.000	6	1	1	1 L
L 457912	PL.21848	A	Consumer	6.99Y	116.5	0.00	9.54	0.00	0	0	0	100	0.00	0.0	11.563	0.000	0	0	1	1 L
L PL.45185	PL.22666	A	4ACSR	6.99Y	116.5	0.00	9.54	3.84	2	26	4	99	0.00	0.0	11.440	0.011	0	0	0	13 L
L PD.8608	PL.45185	A	fuse6AMP	6.99Y	116.5	0.00	9.54	3.84	66	26	4	99	0.00	0.0	11.440	0.000	0	0	0	13 L
L PL.45186	PD.8608	A	4ACSR	6.99Y	116.5	0.00	9.54	3.84	2	26	4	99	0.00	0.0	11.445	0.005	0	0	0	13 L
L PL.21846	PL.45186	A	4ACSR	6.99Y	116.5	0.00	9.54	3.41	2	23	4	99	0.00	0.0	11.468	0.023	0	0	0	12 L
L PL.35626	PL.21846	A	4ACSR	6.99Y	116.4	0.01	9.55	3.41	2	23	4	99	0.00	0.0	11.548	0.080	0	0	0	12 L
L PL.35627	PL.35626	A	4ACSR	6.99Y	116.4	0.01	9.56	3.38	2	23	4	99	0.00	0.0	11.593	0.045	0	0	0	11 L
L 456912	PL.35627	A	Consumer	6.99Y	116.4	0.00	9.56	0.46	0	3	1	95	0.00	0.0	11.593	0.000	3	1	1	1 L
L PL.28222	PL.35627	A	4ACSR	6.99Y	116.4	0.01	9.57	2.92	2	20	3	99	0.00	0.0	11.652	0.059	0	0	0	10 L
L PL.23081	PL.28222	A	4ACSR	6.99Y	116.4	0.00	9.57	0.68	0	5	1	98	0.00	0.0	11.729	0.077	0	0	0	1 L
L 456914	PL.23081	A	Consumer	6.99Y	116.4	0.00	9.57	0.68	0	5	1	98	0.00	0.0	11.729	0.000	5	1	1	1 L
L PL.28223	PL.28222	A	4ACSR	6.99Y	116.4	0.01	9.58	2.24	1	15	3	98	0.00	0.0	11.762	0.110	0	0	0	9 L
L 456908	PL.28223	A	Consumer	6.99Y	116.4	0.00	9.58	0.20	0	1	0	100	0.00	0.0	11.762	0.000	1	0	1	1 L
L PL.22454	PL.28223	A	4ACSR	6.98Y	116.4	0.00	9.58	2.04	1	14	2	99	0.00	0.0	11.818	0.056	0	0	0	8 L
L PL.22455	PL.22454	A	4ACSR	6.98Y	116.4	0.00	9.59	1.82	1	13	2	99	0.00	0.0	11.877	0.058	0	0	0	7 L
L PL.22453	PL.22455	A	4ACSR	6.98Y	116.4	0.01	9.60	1.82	1	13	2	99	0.00	0.0	11.989	0.113	0	0	0	7 L
L PL.22607	PL.22453	A	4ACSR	6.98Y	116.4	0.00	9.60	1.82	1	13	2	99	0.00	0.0	11.995	0.005	0	0	0	7 L
L 466209	PL.22607	A	Consumer	6.98Y	116.4	0.00	9.60	0.41	0	3	0	100	0.00	0.0	11.995	0.000	3	0	1	1 L
L PL.22125	PL.22607	A	4ACSR	6.98Y	116.4	0.01	9.60	1.41	1	10	2	98	0.00	0.0	12.108	0.113	0	0	0	6 L
L PL.23615	PL.22125	A	4ACSR	6.98Y	116.4	0.00	9.60	0.18	0	1	0	100	0.00	0.0	12.155	0.047	0	0	0	2 L
L 466203	PL.23615	A	Consumer	6.98Y	116.4	0.00	9.60	0.00	0	0	0	100	0.00	0.0	12.155	0.000	0	0	1	1 L
L 466206	PL.23615	A	Consumer	6.98Y	116.4	0.00	9.60	0.18	0	1	0	100	0.00	0.0	12.155	0.000	1	0	1	1 L
L PL.28221	PL.22125	A	4ACSR	6.98Y	116.4	0.00	9.60	1.22	1	8	1	99	0.00	0.0	12.108	0.000	0	0	0	3 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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
L PL.22124	PL.28221	A	4ACSR	6.98Y	116.4	0.01	9.61	1.22	1	8	1	99	0.00	0.0	12.228	0.121	0	0	0	3 L
L 466207	PL.22124	A	Consumer	6.98Y	116.4	0.00	9.61	0.28	0	2	0	100	0.00	0.0	12.228	0.000	2	0	1	1 L
L 466201	PL.22124	A	Consumer	6.98Y	116.4	0.00	9.61	0.18	0	1	0	100	0.00	0.0	12.228	0.000	1	0	1	1 L
L 466205	PL.22124	A	Consumer	6.98Y	116.4	0.00	9.61	0.77	0	5	1	98	0.00	0.0	12.228	0.000	5	1	1	1 L
L 466202	PL.22124	A	Consumer	6.98Y	116.4	0.00	9.61	0.00	0	0	0	100	0.00	0.0	12.228	0.000	0	0	0	0 L
L 466204	PL.22125	A	Consumer	6.98Y	116.4	0.00	9.60	0.01	0	0	0	100	0.00	0.0	12.108	0.000	0	0	1	1 L
L 456922	PL.22454	A	Consumer	6.98Y	116.4	0.00	9.58	0.22	0	1	0	100	0.00	0.0	11.818	0.000	1	0	1	1 L
L 4569029	PL.35626	A	Consumer	6.99Y	116.4	0.00	9.55	0.03	0	0	0	100	0.00	0.0	11.548	0.000	0	0	1	1 L
L PL.23084	PL.45186	A	4ACSR	6.99Y	116.5	0.00	9.54	0.43	0	3	0	100	0.00	0.0	11.495	0.050	0	0	0	1 L
L 456910	PL.23084	A	Consumer	6.99Y	116.5	0.00	9.54	0.43	0	3	0	100	0.00	0.0	11.495	0.000	3	0	1	1 L
PL.22114	PL.46583	A	4ACSR	7.13Y	118.9	0.00	7.15	1.65	1	12	2	99	0.00	0.0	9.177	0.002	0	0	0	7
PD.406-A	PL.22114	A	Closed	7.13Y	118.9	0.00	7.15	1.65	0	12	2	99	0.00	0.0	9.177	0.000	0	0	0	7
PD.406-B	PD.406-A	A	Closed	7.13Y	118.9	0.00	7.15	1.65	0	12	2	99	0.00	0.0	9.177	0.000	0	0	0	7
PL.22115	PD.406-B	A	4ACSR	7.13Y	118.8	0.00	7.15	1.65	1	12	2	99	0.00	0.0	9.241	0.064	0	0	0	7
PL.23182	PL.22115	A	4ACSR	7.13Y	118.8	0.00	7.15	1.26	1	9	1	99	0.00	0.0	9.276	0.035	0	0	0	6
458906	PL.23182	A	Consumer	7.13Y	118.8	0.00	7.15	0.56	0	4	1	97	0.00	0.0	9.276	0.000	4	1	1	1
PL.23183	PL.23182	A	4ACSR	7.13Y	118.8	0.00	7.15	0.71	0	5	1	98	0.00	0.0	9.311	0.034	0	0	0	5
PL.21518	PL.23183	A	4ACSR	7.13Y	118.8	0.00	7.15	0.38	0	3	0	100	0.00	0.0	9.378	0.068	0	0	0	3
458903	PL.21518	A	Consumer	7.13Y	118.8	0.00	7.15	0.02	0	0	0	100	0.00	0.0	9.378	0.000	0	0	1	1
458905	PL.21518	A	Consumer	7.13Y	118.8	0.00	7.15	0.00	0	0	0	100	0.00	0.0	9.378	0.000	0	0	0	0
458908	PL.21518	A	Consumer	7.13Y	118.8	0.00	7.15	0.08	0	1	0	100	0.00	0.0	9.378	0.000	1	0	1	1
458907	PL.21518	A	Consumer	7.13Y	118.8	0.00	7.15	0.29	0	2	0	100	0.00	0.0	9.378	0.000	2	0	1	1
458902	PL.23183	A	Consumer	7.13Y	118.8	0.00	7.15	0.33	0	2	0	100	0.00	0.0	9.311	0.000	2	0	1	1
458904	PL.23183	A	Consumer	7.13Y	118.8	0.00	7.15	0.00	0	0	0	100	0.00	0.0	9.311	0.000	0	0	1	1
458901	PL.22115	A	Consumer	7.13Y	118.8	0.00	7.15	0.38	0	3	0	100	0.00	0.0	9.241	0.000	3	0	1	1
4588068	PL.28381	A	Consumer	14.58Y	121.5	0.00	4.47	0.00	0	0	0	100	0.00	0.0	8.814	0.000	0	0	1	1
458827	PL.28381	A	Consumer	14.58Y	121.5	0.00	4.47	0.14	0	2	0	100	0.00	0.0	8.814	0.000	2	0	1	1
458806	PL.28381	A	Consumer	14.58Y	121.5	0.00	4.47	0.00	0	0	0	100	0.00	0.0	8.814	0.000	0	0	1	1
4588067	PL.28381	A	Consumer	14.58Y	121.5	0.00	4.47	0.00	0	0	0	100	0.00	0.0	8.814	0.000	0	0	1	1
458858	PL.28381	A	Consumer	14.58Y	121.5	0.00	4.47	0.00	0	0	0	100	0.00	0.0	8.814	0.000	0	0	1	1
458822	PL.10490	A	Consumer	14.59Y	121.6	0.00	4.43	0.62	0	9	1	99	0.00	0.0	8.680	0.000	9	1	1	1
458817	PL.10490	A	Consumer	14.59Y	121.6	0.00	4.43	0.07	0	1	0	100	0.00	0.0	8.680	0.000	1	0	1	1
458810	PL.10490	A	Consumer	14.59Y	121.6	0.00	4.43	0.04	0	1	0	100	0.00	0.0	8.680	0.000	1	0	1	1
458804	PL.10490	A	Consumer	14.59Y	121.6	0.00	4.43	0.00	0	0	0	100	0.00	0.0	8.680	0.000	0	0	1	1
458821	PL.19680	A	Consumer	14.59Y	121.6	0.00	4.40	0.67	0	10	2	98	0.00	0.0	8.612	0.000	10	2	1	1
458824	PL.19680	A	Consumer	14.59Y	121.6	0.00	4.40	0.37	0	5	1	98	0.00	0.0	8.612	0.000	5	1	1	1
458805	PL.6999	A	Consumer	14.61Y	121.7	0.00	4.29	0.83	0	12	2	99	0.00	0.0	8.324	0.000	12	2	1	1
459831	PL.17995	A	Consumer	14.63Y	121.9	0.00	4.12	0.04	0	1	0	100	0.00	0.0	7.961	0.000	1	0	1	1

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Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.22526	PL.21839	A	4ACSR	14.64Y	122.0	0.00	3.96	1.69	1	24	4	99	0.00	0.0	7.668	0.031	0	0	0	4
459830	PL.22526	A	Consumer	14.64Y	122.0	0.00	3.96	0.73	0	10	2	98	0.00	0.0	7.668	0.000	10	2	1	1
PL.22527	PL.22526	A	4ACSR	14.64Y	122.0	0.00	3.96	0.97	0	14	2	99	0.00	0.0	7.707	0.039	0	0	0	3
PL.22525	PL.22527	A	4ACSR	14.64Y	122.0	0.00	3.96	0.21	0	3	1	95	0.00	0.0	7.760	0.053	0	0	0	2
459829	PL.22525	A	Consumer	14.64Y	122.0	0.00	3.96	0.00	0	0	0	100	0.00	0.0	7.760	0.000	0	0	1	1
PL.22328	PL.22525	A	4ACSR	14.64Y	122.0	0.00	3.96	0.21	0	3	1	95	0.00	0.0	7.838	0.077	0	0	0	1
459833	PL.22328	A	Consumer	14.64Y	122.0	0.00	3.96	0.21	0	3	1	95	0.00	0.0	7.838	0.000	3	1	1	1
459828	PL.22527	A	Consumer	14.64Y	122.0	0.00	3.96	0.75	0	11	2	98	0.00	0.0	7.707	0.000	11	2	1	1
PL.41732	PL.21655	A	4ACSR	14.65Y	122.1	0.00	3.92	0.53	0	8	1	99	0.00	0.0	7.569	0.014	0	0	0	5
PD.7622	PL.41732	A	fuse6AMP	14.65Y	122.1	0.00	3.92	0.53	9	8	1	99	0.00	0.0	7.569	0.000	0	0	0	5
PL.41733	PD.7622	A	4ACSR	14.65Y	122.1	0.00	3.92	0.53	0	8	1	99	0.00	0.0	7.606	0.038	0	0	0	5
PL.23170	PL.41733	A	4ACSR	14.65Y	122.1	0.00	3.92	0.51	0	7	1	99	0.00	0.0	7.650	0.044	0	0	0	3
459821	PL.23170	A	Consumer	14.65Y	122.1	0.00	3.92	0.09	0	1	0	100	0.00	0.0	7.650	0.000	1	0	1	1
PL.22514	PL.23170	A	4ACSR	14.65Y	122.1	0.00	3.92	0.42	0	6	1	99	0.00	0.0	7.708	0.057	0	0	0	2
PL.22329	PL.22514	A	4ACSR	14.65Y	122.1	0.00	3.92	0.00	0	0	0	100	0.00	0.0	7.765	0.057	0	0	0	0
459835	PL.22329	A	Consumer	14.65Y	122.1	0.00	3.92	0.00	0	0	0	100	0.00	0.0	7.765	0.000	0	0	0	0
459836	PL.22514	A	Consumer	14.65Y	122.1	0.00	3.92	0.00	0	0	0	100	0.00	0.0	7.708	0.000	0	0	1	1
459832	PL.22514	A	Consumer	14.65Y	122.1	0.00	3.92	0.42	0	6	1	99	0.00	0.0	7.708	0.000	6	1	1	1
459818	PL.41733	A	Consumer	14.65Y	122.1	0.00	3.92	0.00	0	0	0	100	0.00	0.0	7.606	0.000	0	0	1	1
459819	PL.41733	A	Consumer	14.65Y	122.1	0.00	3.92	0.01	0	0	0	100	0.00	0.0	7.606	0.000	0	0	1	1
459820	PL.41733	A	Consumer	14.65Y	122.1	0.00	3.92	0.00	0	0	0	100	0.00	0.0	7.606	0.000	0	0	0	0
459817	PL.41733	A	Consumer	14.65Y	122.1	0.00	3.92	0.00	0	0	0	100	0.00	0.0	7.606	0.000	0	0	0	0
PL.21207	PL.21835	A	4ACSR	14.67Y	122.2	0.00	3.77	0.03	0	0	0	100	0.00	0.0	7.338	0.047	0	0	0	1
030835	PL.21207	A	Consumer	14.67Y	122.2	0.00	3.77	0.03	0	0	0	100	0.00	0.0	7.338	0.000	0	0	1	1
030801	PL.21834	A	Consumer	14.69Y	122.4	0.00	3.59	0.01	0	0	0	100	0.00	0.0	6.988	0.000	0	0	1	1
030828	PL.28224	A	Consumer	14.70Y	122.5	0.00	3.49	0.00	0	0	0	100	0.00	0.0	6.812	0.000	0	0	1	1
030821	PL.28224	A	Consumer	14.70Y	122.5	0.00	3.49	0.00	0	0	0	100	0.00	0.0	6.812	0.000	0	0	1	1
030804	PL.10974	A	Consumer	14.71Y	122.6	0.00	3.40	0.03	0	0	0	100	0.00	0.0	6.659	0.000	0	0	1	1
030850	PL.10974	A	Consumer	14.71Y	122.6	0.00	3.40	0.10	0	1	1	71	0.00	0.0	6.659	0.000	1	1	1	1
030826	PL.10974	A	Consumer	14.71Y	122.6	0.00	3.40	0.64	0	9	2	98	0.00	0.0	6.659	0.000	9	2	1	1
030831	PL.10424	A	Consumer	14.72Y	122.6	0.00	3.37	0.00	0	0	0	100	0.00	0.0	6.614	0.000	0	0	1	1
030805	PL.10424	A	Consumer	14.72Y	122.6	0.00	3.37	0.79	0	11	2	98	0.00	0.0	6.614	0.000	11	2	1	1
030839	PL.10424	A	Consumer	14.72Y	122.6	0.00	3.37	0.00	0	0	0	100	0.00	0.0	6.614	0.000	0	0	0	0
030834	PL.10424	A	Consumer	14.72Y	122.6	0.00	3.37	0.00	0	0	0	100	0.00	0.0	6.614	0.000	0	0	1	1
031818	PL.18341	A	Consumer	14.73Y	122.8	0.00	3.21	0.01	0	0	0	100	0.00	0.0	6.368	0.000	0	0	1	1
031825	PL.18341	A	Consumer	14.73Y	122.8	0.00	3.21	1.22	0	18	3	99	0.00	0.0	6.368	0.000	18	3	1	1
PL.46095	PL.18796	A	1/0ACSR	14.75Y	122.9	0.01	3.08	84.47	26	1234	173	99	0.12	0.0	6.161	0.013	0	0	0	358
		B		15.09Y	125.8	0.00	0.22	42.71	13	643	44	100					0	0	0	240
		C		15.00Y	125.0	0.00	1.02	37.99	12	568	43	100					0	0	0	143

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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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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.255-A	PL.46095	A	Closed	14.75Y	122.9	0.00	3.08	84.47	0	1234	173	99	0.00	0.0	6.161	0.000	0	0	0	358
		B		15.09Y	125.8	0.00	0.22	42.71	0	643	44	100					0	0	0	240
		C		15.00Y	125.0	0.00	1.02	37.99	0	568	43	100					0	0	0	143
PD.255-B	PD.255-A	A	Closed	14.75Y	122.9	0.00	3.08	84.47	0	1234	173	99	0.00	0.0	6.161	0.000	0	0	0	358
		B		15.09Y	125.8	0.00	0.22	42.71	0	643	44	100					0	0	0	240
		C		15.00Y	125.0	0.00	1.02	37.99	0	568	43	100					0	0	0	143
PL.46096	PD.255-B	A	1/0ACSR	14.73Y	122.8	0.16	3.25	84.47	26	1234	173	99	1.87	0.1	6.360	0.199	0	0	0	358
		B		15.09Y	125.8	0.02	0.24	42.71	13	643	44	100					0	0	0	240
		C		14.99Y	124.9	0.07	1.09	37.99	12	568	43	100					0	0	0	143
PL.16202	PL.46096	A	1/0ACSR	14.66Y	122.2	0.60	3.84	83.09	25	1212	168	99	6.76	0.3	7.097	0.737	0	0	0	348
		B		15.08Y	125.7	0.09	0.33	42.71	13	643	43	100					0	0	0	240
		C		14.96Y	124.7	0.25	1.34	37.99	12	568	42	100					0	0	0	143
PD.252-A	PL.16202	A	Closed	14.66Y	122.2	0.00	3.84	83.09	0	1207	162	99	0.00	0.0	7.097	0.000	0	0	0	348
		B		15.08Y	125.7	0.00	0.33	42.71	0	643	42	100					0	0	0	240
		C		14.96Y	124.7	0.00	1.34	37.99	0	567	42	100					0	0	0	143
PD.252-B	PD.252-A	A	Closed	14.66Y	122.2	0.00	3.84	83.09	0	1207	162	99	0.00	0.0	7.097	0.000	0	0	0	348
		B		15.08Y	125.7	0.00	0.33	42.71	0	643	42	100					0	0	0	240
		C		14.96Y	124.7	0.00	1.34	37.99	0	567	42	100					0	0	0	143
PL.43748	PD.252-B	A	1/0ACSR	14.66Y	122.2	0.01	3.85	83.09	25	1207	162	99	0.07	0.0	7.105	0.008	0	0	0	348
		B		15.08Y	125.7	0.00	0.33	42.71	13	643	42	100					0	0	0	240
		C		14.96Y	124.7	0.00	1.35	37.99	12	567	42	100					0	0	0	143
PL.43749	PL.43748	A	1/0ACSR	14.66Y	122.2	0.00	3.85	83.09	25	1207	162	99	0.00	0.0	7.105	0.000	0	0	0	348
		B		15.08Y	125.7	0.00	0.33	42.71	13	643	42	100					0	0	0	240
		C		14.96Y	124.7	0.00	1.35	37.99	12	567	42	100					0	0	0	140
030904	PL.43749	C	Consumer	14.96Y	124.7	0.00	1.35	0.00	0	0	0	100	0.00	0.0	7.105	0.000	0	0	1	1
PL.10969	PL.43749	A	1/0ACSR	14.63Y	122.0	0.20	4.04	83.09	25	1207	162	99	2.22	0.1	7.347	0.242	0	0	0	348
		B		15.08Y	125.6	0.03	0.36	42.71	13	643	42	100					0	0	0	240
		C		14.95Y	124.6	0.08	1.43	37.99	12	567	42	100					0	0	0	139
PL.10970	PL.10969	A	1/0ACSR	14.62Y	121.8	0.11	4.15	83.09	25	1205	160	99	1.18	0.0	7.477	0.129	0	0	0	348
		B		15.07Y	125.6	0.02	0.38	42.71	13	643	42	100					0	0	0	240
		C		14.94Y	124.5	0.04	1.47	36.37	11	542	38	100					0	0	0	135
PL.20029	PL.10970	A	1/0ACSR	14.62Y	121.8	0.05	4.20	83.09	25	1204	159	99	0.55	0.0	7.537	0.061	0	0	0	348
		B		15.07Y	125.6	0.01	0.39	42.71	13	643	42	100					0	0	0	240
		C		14.94Y	124.5	0.02	1.49	36.33	11	542	38	100					0	0	0	132
PL.20030	PL.20029	A	1/0ACSR	14.61Y	121.7	0.05	4.25	83.09	25	1204	159	99	0.61	0.0	7.604	0.067	0	0	0	348
		B		15.07Y	125.6	0.01	0.39	42.71	13	642	41	100					0	0	0	240
		C		14.94Y	124.5	0.02	1.51	35.63	11	531	36	100					0	0	0	129
030917	PL.20030	B	Consumer	15.07Y	125.6	0.00	0.39	0.02	0	0	0	100	0.00	0.0	7.604	0.000	0	0	1	1
030910	PL.20030	B	Consumer	15.07Y	125.6	0.00	0.39	0.59	0	9	1	99	0.00	0.0	7.604	0.000	9	1	1	1
PL.6276	PL.20030	A	1/0ACSR	14.59Y	121.6	0.12	4.38	83.09	25	1204	158	99	1.37	0.1	7.757	0.152	0	0	0	348
		B		15.07Y	125.6	0.02	0.41	42.10	13	633	40	100					0	0	0	238
		C		14.93Y	124.4	0.05	1.56	35.63	11	531	36	100					0	0	0	129
PL.190	PL.6276	A	1/0ACSR	14.59Y	121.6	0.05	4.43	83.09	25	1202	157	99	0.55	0.0	7.818	0.061	0	0	0	348
		B		15.07Y	125.6	0.01	0.42	42.10	13	633	40	100					0	0	0	238
		C		14.93Y	124.4	0.02	1.58	35.63	11	531	36	100					0	0	0	129
PL.3189	PL.190	C	4ACSR	14.93Y	124.4	0.00	1.58	1.69	1	23	11	90	0.00	0.0	7.841	0.022	0	0	0	1
040212	PL.3189	C	Consumer	14.93Y	124.4	0.00	1.58	1.69	0	23	11	90	0.00	0.0	7.841	0.000	23	11	1	1
PL.189	PL.190	A	4/0ACSR	14.57Y	121.4	0.15	4.58	83.09	18	1202	157	99	1.40	0.1	8.122	0.304	0	0	0	348
		B		15.07Y	125.6	-0.01	0.41	42.10	9	633	39	100					0	0	0	238
		C		14.92Y	124.4	0.05	1.63	34.07	7	508	25	100					0	0	0	128
PL.10971	PL.189	A	1/0ACSR	14.53Y	121.1	0.36	4.94	83.09	25	1201	155	99	3.97	0.2	8.566	0.444	0	0	0	348
		B		15.06Y	125.5	0.05	0.46	42.10	13	633	39	100					0	0	0	238
		C		14.91Y	124.2	0.13	1.76	34.07	10	508	25	100					0	0	0	128

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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.10972	PL.10971	A	2ACSR	14.52Y	121.0	0.05	5.00	83.09	33	1197	151	99	0.61	0.0	8.611	0.045	0	0	0	348
		B		15.06Y	125.5	0.01	0.47	42.10	17	633	38	100					0	0	0	238
		C		14.91Y	124.2	0.02	1.78	30.92	12	461	14	100					0	0	0	121
PL.20746	PL.10972	A	2ACSR	14.52Y	121.0	0.02	5.02	83.09	33	1197	151	99	0.26	0.0	8.630	0.019	0	0	0	348
		B		15.06Y	125.5	0.01	0.48	42.10	17	633	38	100					0	0	0	238
		C		14.91Y	124.2	0.01	1.79	30.92	12	461	14	100					0	0	0	121
PL.20747	PL.20746	A	2ACSR	14.51Y	120.9	0.08	5.10	83.09	33	1197	151	99	0.89	0.0	8.695	0.065	0	0	0	348
		B		15.06Y	125.5	0.02	0.49	42.10	17	633	38	100					0	0	0	238
		C		14.90Y	124.2	0.03	1.82	30.92	12	461	14	100					0	0	0	121
PL.7304	PL.20747	A	2ACSR	14.50Y	120.8	0.06	5.15	83.09	33	1196	150	99	0.65	0.0	8.742	0.047	0	0	0	348
		B		15.06Y	125.5	0.01	0.51	41.79	16	628	37	100					0	0	0	237
		C		14.90Y	124.2	0.02	1.83	30.92	12	461	14	100					0	0	0	121
PL.3188	PL.7304	C	4ACSR	14.90Y	124.2	0.00	1.83	0.00	0	0	0	100	0.00	0.0	8.812	0.070	0	0	0	0
040213	PL.7304	C	Consumer	14.90Y	124.2	0.00	1.83	0.49	0	7	1	99	0.00	0.0	8.742	0.000	7	1	1	1
PL.45893	PL.7304	A	2ACSR	14.50Y	120.8	-0.00	5.15	-0.05	0	0	-1	0	0.00	0.0	8.755	0.013	0	0	0	0
PD.8681	PL.45893	A	fuse6AMP	14.50Y	120.8	0.00	5.15	-0.05	1	0	-1	0	0.00	0.0	8.755	0.000	0	0	0	0
PL.45894	PD.8681	A	2ACSR	14.50Y	120.8	-0.00	5.15	-0.05	0	0	-1	0	0.00	0.0	8.798	0.043	0	0	0	0
PL.45892	PL.45894	A	1/0EPRJCN	14.50Y	120.8	-0.00	5.15	-0.05	0	0	-1	0	0.00	0.0	8.836	0.037	0	0	0	0
0402013	PL.45892	A	Consumer	14.50Y	120.8	0.00	5.15	0.00	0	0	0	100	0.00	0.0	8.836	0.000	0	0	0	0
0402014	PL.45892	A	Consumer	14.50Y	120.8	0.00	5.15	0.00	0	0	0	100	0.00	0.0	8.836	0.000	0	0	0	0
PL.19187	PL.7304	A	2ACSR	14.49Y	120.8	0.07	5.22	83.09	33	1196	150	99	0.81	0.0	8.802	0.059	0	0	0	348
		B		15.06Y	125.5	0.02	0.52	41.79	16	628	37	100					0	0	0	237
		C		14.90Y	124.1	0.02	1.86	30.43	12	453	13	100					0	0	0	120
040216	PL.19187	B	Consumer	15.06Y	125.5	0.00	0.52	0.00	0	0	0	100	0.00	0.0	8.802	0.000	0	0	0	0
040218	PL.19187	A	Consumer	14.49Y	120.8	0.00	5.22	1.02	0	15	2	99	0.00	0.0	8.802	0.000	15	2	1	1
PL.19188	PL.19187	A	2ACSR	14.48Y	120.7	0.07	5.30	82.07	32	1180	148	99	0.85	0.0	8.865	0.063	0	0	0	347
		B		15.06Y	125.5	0.02	0.54	41.79	16	628	37	100					0	0	0	237
		C		14.89Y	124.1	0.02	1.88	30.43	12	453	13	100					0	0	0	120
PL.7305	PL.19188	A	2ACSR	14.48Y	120.7	0.04	5.34	82.07	32	1180	147	99	0.45	0.0	8.899	0.034	0	0	0	347
		B		15.05Y	125.4	0.01	0.55	41.67	16	626	37	100					0	0	0	236
		C		14.89Y	124.1	0.01	1.89	30.43	12	453	13	100					0	0	0	120
PL.18129	PL.7305	A	4ACSR	14.48Y	120.7	0.00	5.34	4.84	2	67	20	96	0.00	0.0	8.905	0.006	0	0	0	6
C PD.1987	PL.18129	A	fuse6AMP	14.48Y	120.7	0.00	5.34	4.84	83	67	20	96	0.00	0.0	8.905	0.000	0	0	0	6 C
PL.18130	PD.1987	A	4ACSR	14.48Y	120.7	0.00	5.34	4.84	2	67	20	96	0.00	0.0	8.920	0.016	0	0	0	6
040208	PL.18130	A	Consumer	14.48Y	120.7	0.00	5.34	2.16	0	28	14	89	0.00	0.0	8.920	0.000	28	14	1	1
040210	PL.18130	A	Consumer	14.48Y	120.7	0.00	5.34	0.20	0	3	0	100	0.00	0.0	8.920	0.000	3	0	1	1
PL.10975	PL.18130	A	4ACSR	14.48Y	120.6	0.02	5.36	2.54	1	36	6	99	0.01	0.0	9.269	0.349	0	0	0	4
PL.3187	PL.10975	A	4ACSR	14.48Y	120.6	0.00	5.36	1.24	1	18	3	99	0.00	0.0	9.306	0.036	0	0	0	1
040211	PL.3187	A	Consumer	14.48Y	120.6	0.00	5.36	1.24	0	18	3	99	0.00	0.0	9.306	0.000	18	3	1	1
PL.10986	PL.10975	A	4ACSR	14.48Y	120.6	0.00	5.36	1.30	1	19	3	99	0.00	0.0	9.349	0.080	0	0	0	3
PL.7331	PL.10986	A	4ACSR	14.48Y	120.6	0.00	5.36	1.29	1	18	3	99	0.00	0.0	9.389	0.040	0	0	0	2
PL.10987	PL.7331	A	4ACSR	14.47Y	120.6	0.02	5.38	1.29	1	18	3	99	0.00	0.0	9.952	0.563	0	0	0	2
PL.10988	PL.10987	A	4ACSR	14.47Y	120.6	0.00	5.38	0.04	0	1	0	100	0.00	0.0	10.118	0.165	0	0	0	1
468203	PL.10988	A	Consumer	14.47Y	120.6	0.00	5.38	0.04	0	1	0	100	0.00	0.0	10.118	0.000	1	0	1	1
PL.2916	PL.10987	A	4ACSR	14.47Y	120.6	0.01	5.38	1.25	1	18	3	99	0.00	0.0	10.141	0.188	0	0	0	1

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
468301	PL.2916	A	Consumer	14.47Y	120.6	0.00	5.38	1.25	0	18	3	99	0.00	0.0	10.141	0.000	18	3	1	1	
040394	PL.10986	A	Consumer	14.48Y	120.6	0.00	5.36	0.01	0	0	0	100	0.00	0.0	9.349	0.000	0	0	1	1	
PL.19913	PL.7305	A	2ACSR	14.46Y	120.5	0.18	5.51	77.30	30	1112	127	99	1.96	0.1	9.059	0.160	0	0	0	341	
		B		15.05Y	125.4	0.05	0.60	41.67	16	626	36	100					0	0	0	236	
		C		14.89Y	124.0	0.06	1.95	30.30	12	451	12	100					0	0	0	119	
CP.12	PL.19913	A	Cap (150)	14.46Y	120.5	0.00	5.51	-3.49	0	0	-50	0	0.00	0.0	9.059	0.000	0	0	0	0	
P		B		15.05Y	125.4	0.00	0.60	-3.63	0	0	-55	0					0	0	0	0	P
P		C		14.89Y	124.0	0.00	1.95	-3.59	0	0	-53	0					0	0	0	0	P
PL.28045	PL.19913	A	2ACSR	14.45Y	120.4	0.06	5.57	77.77	31	1111	176	99	0.67	0.0	9.114	0.054	0	0	0	341	
		B		15.05Y	125.4	0.02	0.62	42.03	17	626	91	99					0	0	0	236	
		C		14.88Y	124.0	0.02	1.98	30.61	12	451	66	99					0	0	0	119	
PL.19936	PL.28045	A	2ACSR	14.43Y	120.3	0.16	5.73	77.77	31	1110	176	99	1.73	0.1	9.254	0.140	0	0	0	341	
		B		15.04Y	125.3	0.04	0.66	41.64	16	620	90	99					0	0	0	233	
		C		14.88Y	124.0	0.06	2.03	30.61	12	451	66	99					0	0	0	119	
PL.10537	PL.19936	A	2ACSR	14.43Y	120.2	0.06	5.79	77.77	31	1109	175	99	0.64	0.0	9.305	0.052	0	0	0	341	
		B		15.04Y	125.3	0.02	0.68	41.64	16	620	90	99					0	0	0	233	
		C		14.87Y	123.9	0.02	2.05	30.06	12	443	62	99					0	0	0	117	
PL.27683	PL.10537	A	4ACSR	14.43Y	120.2	0.00	5.79	0.48	0	7	2	96	0.00	0.0	9.311	0.005	0	0	0	5	
PD.2004	PL.27683	A	fuse6AMP	14.43Y	120.2	0.00	5.79	0.48	8	7	2	96	0.00	0.0	9.311	0.000	0	0	0	5	
PL.27684	PD.2004	A	4ACSR	14.43Y	120.2	0.00	5.79	0.48	0	7	2	96	0.00	0.0	9.334	0.023	0	0	0	5	
PL.7306	PL.27684	A	4ACSR	14.43Y	120.2	0.00	5.79	0.27	0	4	1	97	0.00	0.0	9.379	0.045	0	0	0	3	
040324	PL.7306	A	Consumer	14.43Y	120.2	0.00	5.79	0.00	0	0	0	100	0.00	0.0	9.379	0.000	0	0	1	1	
040360	PL.7306	A	Consumer	14.43Y	120.2	0.00	5.79	0.12	0	2	1	89	0.00	0.0	9.379	0.000	2	1	1	1	
040311	PL.7306	A	Consumer	14.43Y	120.2	0.00	5.79	0.15	0	2	0	100	0.00	0.0	9.379	0.000	2	0	1	1	
040323	PL.27684	A	Consumer	14.43Y	120.2	0.00	5.79	0.00	0	0	0	100	0.00	0.0	9.334	0.000	0	0	1	1	
040304	PL.27684	A	Consumer	14.43Y	120.2	0.00	5.79	0.22	0	3	1	95	0.00	0.0	9.334	0.000	3	1	1	1	
PL.3193	PL.10537	C	4ACSR	14.87Y	123.9	0.00	2.05	0.67	0	10	2	98	0.00	0.0	9.378	0.073	0	0	0	1	
040389	PL.3193	C	Consumer	14.87Y	123.9	0.00	2.05	0.67	0	10	2	98	0.00	0.0	9.378	0.000	10	2	1	1	
PL.10538	PL.10537	A	2ACSR	14.42Y	120.2	0.05	5.84	77.29	30	1101	173	99	0.55	0.0	9.351	0.045	0	0	0	336	
		B		15.04Y	125.3	0.01	0.69	41.64	16	620	89	99					0	0	0	233	
		C		14.87Y	123.9	0.02	2.07	29.39	12	433	60	99					0	0	0	116	
PL.10843	PL.10538	A	2ACSR	14.41Y	120.0	0.11	5.95	77.29	30	1101	173	99	1.22	0.1	9.451	0.101	0	0	0	336	
		B		15.03Y	125.3	0.03	0.72	41.64	16	620	89	99					0	0	0	233	
		C		14.87Y	123.9	0.04	2.11	29.39	12	433	60	99					0	0	0	116	
PL.18630	PL.10843	A	4ACSR	14.41Y	120.0	0.00	5.95	2.87	1	41	7	99	0.00	0.0	9.461	0.010	0	0	0	20	
PD.2005	PL.18630	A	fuse6AMP	14.41Y	120.0	0.00	5.95	2.87	49	41	7	99	0.00	0.0	9.461	0.000	0	0	0	20	
PL.18631	PD.2005	A	4ACSR	14.41Y	120.0	0.00	5.95	2.87	1	41	7	99	0.00	0.0	9.480	0.019	0	0	0	20	
PL.7319	PL.18631	A	4ACSR	14.41Y	120.0	0.00	5.95	2.87	1	41	7	99	0.00	0.0	9.506	0.027	0	0	0	19	
PL.17979	PL.7319	A	4ACSR	14.41Y	120.0	0.00	5.95	2.87	1	41	7	99	0.00	0.0	9.512	0.005	0	0	0	17	
PD.3694	PL.17979	A	25L	14.41Y	120.0	0.00	5.95	2.87	11	41	7	99	0.00	0.0	9.512	0.000	0	0	0	17	
PL.17980	PD.3694	A	4ACSR	14.41Y	120.0	0.00	5.96	2.87	1	41	7	99	0.00	0.0	9.560	0.049	0	0	0	17	
PL.10846	PL.17980	A	4ACSR	14.40Y	120.0	0.00	5.96	2.47	1	35	6	99	0.00	0.0	9.642	0.082	0	0	0	16	
PL.3186	PL.10846	A	4ACSR	14.40Y	120.0	0.00	5.96	0.00	0	0	0	100	0.00	0.0	9.668	0.025	0	0	0	0	
040388	PL.10846	A	Consumer	14.40Y	120.0	0.00	5.96	0.08	0	1	0	100	0.00	0.0	9.642	0.000	1	0	1	1	
PL.10847	PL.10846	A	4ACSR	14.40Y	120.0	0.00	5.96	2.39	1	34	6	98	0.00	0.0	9.664	0.022	0	0	0	15	

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
040344	PL.10847	A	Consumer	14.40Y	120.0	0.00	5.96	0.84	0	12	2	99	0.00	0.0	9.664	0.000	12	2	1	1
040346	PL.10847	A	Consumer	14.40Y	120.0	0.00	5.96	0.00	0	0	0	100	0.00	0.0	9.664	0.000	0	0	1	1
040365	PL.10847	A	Consumer	14.40Y	120.0	0.00	5.96	0.74	0	11	2	98	0.00	0.0	9.664	0.000	11	2	1	1
PL.10848	PL.10847	A	4ACSR	14.40Y	120.0	0.00	5.96	0.81	0	12	2	99	0.00	0.0	9.715	0.051	0	0	0	12
PL.7307	PL.10848	A	4ACSR	14.40Y	120.0	0.00	5.96	0.78	0	11	2	98	0.00	0.0	9.736	0.021	0	0	0	10
PL.22880	PL.7307	A	4ACSR	14.40Y	120.0	0.00	5.96	0.35	0	5	1	98	0.00	0.0	9.801	0.064	0	0	0	8
PL.22881	PL.22880	A	4ACSR	14.40Y	120.0	0.00	5.96	0.30	0	4	1	97	0.00	0.0	9.839	0.038	0	0	0	6
040362	PL.22881	A	Consumer	14.40Y	120.0	0.00	5.96	0.02	0	0	0	100	0.00	0.0	9.839	0.000	0	0	1	1
040393	PL.22881	A	Consumer	14.40Y	120.0	0.00	5.96	0.21	0	3	0	100	0.00	0.0	9.839	0.000	3	0	1	1
040359	PL.22881	A	Consumer	14.40Y	120.0	0.00	5.96	0.01	0	0	0	100	0.00	0.0	9.839	0.000	0	0	1	1
PL.7309	PL.22881	A	4ACSR	14.40Y	120.0	0.00	5.96	0.06	0	1	0	100	0.00	0.0	9.947	0.108	0	0	0	3
PL.7308	PL.7309	A	4ACSR	14.40Y	120.0	0.00	5.96	0.02	0	0	0	100	0.00	0.0	9.992	0.045	0	0	0	2
040370	PL.7308	A	Consumer	14.40Y	120.0	0.00	5.96	0.01	0	0	0	100	0.00	0.0	9.992	0.000	0	0	1	1
040350	PL.7308	A	Consumer	14.40Y	120.0	0.00	5.96	0.02	0	0	0	100	0.00	0.0	9.992	0.000	0	0	1	1
040345	PL.7309	A	Consumer	14.40Y	120.0	0.00	5.96	0.04	0	1	0	100	0.00	0.0	9.947	0.000	1	0	1	1
040372	PL.22880	A	Consumer	14.40Y	120.0	0.00	5.96	0.00	0	0	0	100	0.00	0.0	9.801	0.000	0	0	0	0
040351	PL.22880	A	Consumer	14.40Y	120.0	0.00	5.96	0.01	0	0	0	100	0.00	0.0	9.801	0.000	0	0	1	1
040347	PL.22880	A	Consumer	14.40Y	120.0	0.00	5.96	0.04	0	1	0	100	0.00	0.0	9.801	0.000	1	0	1	1
040349	PL.7307	A	Consumer	14.40Y	120.0	0.00	5.96	0.04	0	1	0	100	0.00	0.0	9.736	0.000	1	0	1	1
040355	PL.7307	A	Consumer	14.40Y	120.0	0.00	5.96	0.39	0	6	1	99	0.00	0.0	9.736	0.000	6	1	1	1
040375	PL.10848	A	Consumer	14.40Y	120.0	0.00	5.96	0.03	0	0	0	100	0.00	0.0	9.715	0.000	0	0	1	1
040353	PL.10848	A	Consumer	14.40Y	120.0	0.00	5.96	0.00	0	0	0	100	0.00	0.0	9.715	0.000	0	0	1	1
040340	PL.17980	A	Consumer	14.41Y	120.0	0.00	5.96	0.39	0	6	1	99	0.00	0.0	9.560	0.000	6	1	1	1
040392	PL.7319	A	Consumer	14.41Y	120.0	0.00	5.95	0.00	0	0	0	100	0.00	0.0	9.506	0.000	0	0	1	1
040396	PL.7319	A	Consumer	14.41Y	120.0	0.00	5.95	0.00	0	0	0	100	0.00	0.0	9.506	0.000	0	0	1	1
040390	PL.18631	A	Consumer	14.41Y	120.0	0.00	5.95	0.00	0	0	0	100	0.00	0.0	9.480	0.000	0	0	1	1
PL.10844	PL.10843	A	2ACSR	14.40Y	120.0	0.02	5.97	74.42	29	1059	165	99	0.25	0.0	9.473	0.021	0	0	0	316
		B		15.03Y	125.3	0.01	0.73	41.64	16	620	89	99					0	0	0	233
		C		14.87Y	123.9	0.01	2.12	29.39	12	433	60	99					0	0	0	116
PL.191	PL.10844	A	336ACSR	14.40Y	120.0	0.01	5.98	74.42	10	1059	165	99	0.08	0.0	9.508	0.035	0	0	0	316
		B		15.03Y	125.3	-0.00	0.73	40.13	5	597	85	99					0	0	0	230
		C		14.87Y	123.9	0.00	2.12	27.84	4	410	57	99					0	0	0	114
PL.17897	PL.191	A	336ACSR	14.40Y	120.0	0.00	5.99	74.42	10	1059	165	99	0.01	0.0	9.514	0.006	0	0	0	316
		B		15.03Y	125.3	-0.00	0.73	40.13	5	597	85	99					0	0	0	230
		C		14.87Y	123.9	0.00	2.12	27.84	4	410	57	99					0	0	0	114
PD.3693	PL.17897	A	VWVE	14.40Y	120.0	0.00	5.99	74.42	0	1059	165	99	0.00	0.0	9.514	0.000	0	0	0	316
		B		15.03Y	125.3	0.00	0.73	40.13	0	597	85	99					0	0	0	230
		C		14.87Y	123.9	0.00	2.12	27.84	0	410	57	99					0	0	0	114
PL.18228	PD.3693	A	336ACSR	14.40Y	120.0	0.01	5.99	74.42	10	1059	165	99	0.06	0.0	9.537	0.024	0	0	0	316
		B		15.03Y	125.3	-0.00	0.73	40.13	5	597	85	99					0	0	0	230
		C		14.87Y	123.9	0.00	2.12	27.84	4	410	57	99					0	0	0	114
PL.10849	PL.18228	A	2ACSR	14.38Y	119.8	0.17	6.16	52.34	21	745	114	99	1.56	0.1	9.759	0.222	0	0	0	226
		B		15.02Y	125.2	0.09	0.82	40.13	16	597	85	99					0	0	0	230
		C		14.86Y	123.8	0.07	2.19	26.62	10	392	54	99					0	0	0	110

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
040376	PL.10849	B	Consumer	15.02Y	125.2	0.00	0.82	0.27	0	4	1	97	0.00	0.0	9.759	0.000	4	1	1	1
040328	PL.10849	B	Consumer	15.02Y	125.2	0.00	0.82	0.69	0	10	2	98	0.00	0.0	9.759	0.000	10	2	1	1
PL.10850	PL.10849	A	2ACSR	14.38Y	119.8	0.02	6.18	52.34	21	744	113	99	0.20	0.0	9.789	0.029	0	0	0	226
		B		15.02Y	125.2	0.01	0.83	39.17	15	583	83	99					0	0	0	228
		C		14.86Y	123.8	0.01	2.20	26.62	10	392	54	99					0	0	0	110
PL.10852	PL.10850	A	2ACSR	14.37Y	119.7	0.09	6.27	46.20	18	657	99	99	0.82	0.1	9.924	0.136	0	0	0	203
		B		15.01Y	125.1	0.06	0.89	39.17	15	583	83	99					0	0	0	228
		C		14.85Y	123.8	0.04	2.24	26.62	10	392	54	99					0	0	0	110
PL.3145	PL.10852	C	4ACSR	14.85Y	123.8	0.00	2.24	1.33	1	18	9	89	0.00	0.0	9.985	0.060	0	0	0	1
040330	PL.3145	C	Consumer	14.85Y	123.8	0.00	2.24	1.33	0	18	9	89	0.00	0.0	9.985	0.000	18	9	1	1
040361	PL.10852	C	Consumer	14.85Y	123.8	0.00	2.24	0.54	0	8	1	99	0.00	0.0	9.924	0.000	8	1	1	1
PL.11022	PL.10852	A	2ACSR	14.36Y	119.7	0.05	6.32	46.20	18	656	98	99	0.41	0.0	9.995	0.070	0	0	0	203
		B		15.01Y	125.1	0.03	0.92	39.17	15	582	82	99					0	0	0	228
		C		14.85Y	123.7	0.02	2.26	23.77	9	351	40	99					0	0	0	106
PL.19346	PL.11022	A	2ACSR	14.36Y	119.6	0.03	6.35	46.20	18	656	98	99	0.29	0.0	10.044	0.049	0	0	0	203
		B		15.01Y	125.1	0.02	0.94	38.90	15	578	82	99					0	0	0	227
		C		14.85Y	123.7	0.01	2.27	23.40	9	345	39	99					0	0	0	105
PL.19654	PL.19346	A	2ACSR	14.36Y	119.6	0.02	6.37	46.20	18	656	98	99	0.17	0.0	10.073	0.030	0	0	0	203
		B		15.01Y	125.0	0.01	0.95	38.13	15	567	80	99					0	0	0	225
		C		14.85Y	123.7	0.01	2.28	23.40	9	345	39	99					0	0	0	105
040308	PL.19654	B	Consumer	15.01Y	125.0	0.00	0.95	0.06	0	1	0	100	0.00	0.0	10.073	0.000	1	0	2	2
PL.11023	PL.19654	A	2ACSR	14.35Y	119.6	0.04	6.41	46.20	18	656	98	99	0.33	0.0	10.131	0.058	0	0	0	203
		B		15.00Y	125.0	0.02	0.97	37.54	15	558	78	99					0	0	0	221
		C		14.85Y	123.7	0.01	2.29	23.40	9	345	39	99					0	0	0	105
PL.6842	PL.11023	A	2ACSR	14.35Y	119.6	0.04	6.45	46.20	18	656	98	99	0.31	0.0	10.186	0.055	0	0	0	203
		B		15.00Y	125.0	0.02	0.99	36.70	14	545	76	99					0	0	0	219
		C		14.84Y	123.7	0.01	2.30	23.40	9	345	39	99					0	0	0	105
040387	PL.6842	A	Consumer	14.35Y	119.6	0.00	6.45	0.04	0	0	0	100	0.00	0.0	10.186	0.000	0	0	1	1
PL.18136	PL.6842	A	4ACSR	14.35Y	119.6	0.00	6.45	0.23	0	3	1	95	0.00	0.0	10.190	0.003	0	0	0	3
PD.2009	PL.18136	A	fuse6AMP	14.35Y	119.6	0.00	6.45	0.23	4	3	1	95	0.00	0.0	10.190	0.000	0	0	0	3
PL.18137	PD.2009	A	4ACSR	14.35Y	119.6	0.00	6.45	0.23	0	3	1	95	0.00	0.0	10.269	0.079	0	0	0	3
040325	PL.18137	A	Consumer	14.35Y	119.6	0.00	6.45	0.00	0	0	0	100	0.00	0.0	10.269	0.000	0	0	0	0
040314	PL.18137	A	Consumer	14.35Y	119.6	0.00	6.45	0.19	0	3	0	100	0.00	0.0	10.269	0.000	3	0	1	1
040329	PL.18137	A	Consumer	14.35Y	119.6	0.00	6.45	0.01	0	0	0	100	0.00	0.0	10.269	0.000	0	0	1	1
040374	PL.18137	A	Consumer	14.35Y	119.6	0.00	6.45	0.03	0	0	0	100	0.00	0.0	10.269	0.000	0	0	1	1
PL.6843	PL.6842	A	2ACSR	14.34Y	119.5	0.02	6.46	45.94	18	652	97	99	0.14	0.0	10.211	0.025	0	0	0	199
		B		15.00Y	125.0	0.01	1.00	36.70	14	545	76	99					0	0	0	219
		C		14.84Y	123.7	0.01	2.31	23.40	9	345	39	99					0	0	0	105
PL.192	PL.6843	A	2ACSR	14.34Y	119.5	0.05	6.51	45.94	18	652	97	99	0.39	0.0	10.281	0.070	0	0	0	199
		B		15.00Y	125.0	0.03	1.03	36.70	14	545	76	99					0	0	0	219
		C		14.84Y	123.7	0.02	2.33	23.40	9	345	39	99					0	0	0	105
PL.19122	PL.192	C	4ACSR	14.84Y	123.7	0.00	2.33	0.96	0	14	2	99	0.00	0.0	10.314	0.033	0	0	0	2
PL.19123	PL.19122	C	4ACSR	14.84Y	123.7	0.00	2.33	0.96	0	14	2	99	0.00	0.0	10.340	0.025	0	0	0	2
0404119	PL.19123	C	Consumer	14.84Y	123.7	0.00	2.33	0.00	0	0	0	100	0.00	0.0	10.340	0.000	0	0	1	1
040491	PL.19123	C	Consumer	14.84Y	123.7	0.00	2.33	0.96	0	14	2	99	0.00	0.0	10.340	0.000	14	2	1	1
PL.46097	PL.192	B	4ACSR	15.00Y	125.0	0.00	1.03	0.96	0	14	2	99	0.00	0.0	10.293	0.011	0	0	0	8
PD.8718	PL.46097	B	fuse6AMP	15.00Y	125.0	0.00	1.03	0.96	16	14	2	99	0.00	0.0	10.293	0.000	0	0	0	8

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.46098	PD.8718	B	4ACSR	15.00Y	125.0	0.00	1.03	0.96	0	14	2	99	0.00	0.0	10.354	0.061	0	0	0	8
0404128	PL.46098	B	Consumer	15.00Y	125.0	0.00	1.03	0.08	0	1	0	100	0.00	0.0	10.354	0.000	1	0	1	1
PL.7355	PL.46098	B	4ACSR	15.00Y	125.0	0.00	1.04	0.87	0	13	2	99	0.00	0.0	10.568	0.214	0	0	0	7
PL.30322	PL.7355	B	4ACSR	15.00Y	125.0	0.00	1.04	0.77	0	11	2	98	0.00	0.0	10.643	0.076	0	0	0	4
0414125	PL.30322	B	Consumer	15.00Y	125.0	0.00	1.04	0.71	0	11	2	98	0.00	0.0	10.643	0.000	11	2	1	1
PL.30323	PL.30322	B	4ACSR	15.00Y	125.0	0.00	1.04	0.05	0	1	0	100	0.00	0.0	10.678	0.035	0	0	0	3
PL.30320	PL.30323	B	4ACSR	15.00Y	125.0	0.00	1.04	0.02	0	0	0	100	0.00	0.0	10.753	0.075	0	0	0	1
0414123	PL.30320	B	Consumer	15.00Y	125.0	0.00	1.04	0.02	0	0	0	100	0.00	0.0	10.753	0.000	0	0	1	1
PL.30321	PL.30320	B	4ACSR	15.00Y	125.0	0.00	1.04	0.00	0	0	0	100	0.00	0.0	10.783	0.030	0	0	0	0
PL.30788	PL.30323	B	4ACSR	15.00Y	125.0	0.00	1.04	0.03	0	0	0	100	0.00	0.0	10.783	0.105	0	0	0	1
0414127	PL.30788	B	Consumer	15.00Y	125.0	0.00	1.04	0.03	0	0	0	100	0.00	0.0	10.783	0.000	0	0	1	1
PL.30789	PL.30788	B	4ACSR	15.00Y	125.0	0.00	1.04	0.00	0	0	0	100	0.00	0.0	10.825	0.041	0	0	0	0
0414107	PL.30323	B	Consumer	15.00Y	125.0	0.00	1.04	0.01	0	0	0	100	0.00	0.0	10.678	0.000	0	0	1	1
0414119	PL.7355	B	Consumer	15.00Y	125.0	0.00	1.04	0.05	0	1	0	100	0.00	0.0	10.568	0.000	1	0	1	1
0414122	PL.7355	B	Consumer	15.00Y	125.0	0.00	1.04	0.05	0	1	0	100	0.00	0.0	10.568	0.000	1	0	1	1
0414126	PL.7355	B	Consumer	15.00Y	125.0	0.00	1.04	0.00	0	0	0	100	0.00	0.0	10.568	0.000	0	0	1	1
PL.28094	PL.192	A	4ACSR	14.34Y	119.5	0.00	6.51	20.15	10	285	47	99	0.01	0.0	10.290	0.008	0	0	0	87
PD.3702	PL.28094	A	35E	14.34Y	119.5	0.00	6.51	20.15	58	285	47	99	0.00	0.0	10.290	0.000	0	0	0	87
PL.28095	PD.3702	A	4ACSR	14.33Y	119.4	0.04	6.55	20.15	10	285	47	99	0.09	0.0	10.383	0.093	0	0	0	87
PL.11498	PL.28095	A	4ACSR	14.33Y	119.4	0.05	6.60	18.81	10	266	44	99	0.11	0.0	10.508	0.124	0	0	0	85
PL.20344	PL.11498	A	4ACSR	14.33Y	119.4	0.01	6.61	12.39	6	175	29	99	0.01	0.0	10.542	0.034	0	0	0	65
C PD.1838	PL.20344	A	fuse6AMP	14.33Y	119.4	0.00	6.61	12.39	212	175	29	99	0.00	0.0	10.542	0.000	0	0	0	65 C
PL.20345	PD.1838	A	4ACSR	14.33Y	119.4	0.00	6.61	12.39	6	175	29	99	0.00	0.0	10.547	0.005	0	0	0	65
PL.19025	PL.20345	A	4ACSR	14.33Y	119.4	0.01	6.62	11.61	6	164	27	99	0.01	0.0	10.582	0.035	0	0	0	63
PL.11499	PL.19025	A	4ACSR	14.32Y	119.4	0.02	6.64	10.48	5	148	24	99	0.02	0.0	10.650	0.068	0	0	0	62
041491	PL.11499	A	Consumer	14.32Y	119.4	0.00	6.64	0.00	0	0	0	100	0.00	0.0	10.650	0.000	0	0	1	1
041424	PL.11499	A	Consumer	14.32Y	119.4	0.00	6.64	0.00	0	0	0	100	0.00	0.0	10.650	0.000	0	0	1	1
041450	PL.11499	A	Consumer	14.32Y	119.4	0.00	6.64	0.00	0	0	0	100	0.00	0.0	10.650	0.000	0	0	1	1
0414100	PL.11499	A	Consumer	14.32Y	119.4	0.00	6.64	0.00	0	0	0	100	0.00	0.0	10.650	0.000	0	0	1	1
041425	PL.11499	A	Consumer	14.32Y	119.4	0.00	6.64	0.30	0	4	1	97	0.00	0.0	10.650	0.000	4	1	1	1
PL.7340	PL.11499	A	4ACSR	14.32Y	119.3	0.02	6.66	10.18	5	144	24	99	0.02	0.0	10.737	0.087	0	0	0	57
0414101	PL.7340	A	Consumer	14.32Y	119.3	0.00	6.66	0.10	0	1	0	100	0.00	0.0	10.737	0.000	1	0	1	1
041411	PL.7340	A	Consumer	14.32Y	119.3	0.00	6.66	0.00	0	0	0	100	0.00	0.0	10.737	0.000	0	0	1	1
PL.11235	PL.7340	A	4ACSR	14.32Y	119.3	0.01	6.67	10.08	5	142	23	99	0.01	0.0	10.792	0.055	0	0	0	55
PL.11236	PL.11235	A	4ACSR	14.32Y	119.3	0.00	6.67	8.91	5	126	21	99	0.00	0.0	10.818	0.026	0	0	0	51
041412	PL.11236	A	Consumer	14.32Y	119.3	0.00	6.67	0.00	0	0	0	100	0.00	0.0	10.818	0.000	0	0	1	1
041415	PL.11236	A	Consumer	14.32Y	119.3	0.00	6.67	0.02	0	0	0	100	0.00	0.0	10.818	0.000	0	0	1	1
041437	PL.11236	A	Consumer	14.32Y	119.3	0.00	6.67	0.06	0	1	0	100	0.00	0.0	10.818	0.000	1	0	1	1

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
041414	PL.11236	A	Consumer	14.32Y	119.3	0.00	6.67	0.03	0	0	0	100	0.00	0.0	10.818	0.000	0	0	1	1
PL.11505	PL.11236	A	4ACSR	14.32Y	119.3	0.01	6.69	8.80	5	124	20	99	0.01	0.0	10.880	0.062	0	0	0	47
PL.7334	PL.11505	A	4ACSR	14.32Y	119.3	0.01	6.69	8.13	4	115	19	99	0.01	0.0	10.914	0.034	0	0	0	45
PL.11238	PL.7334	A	4ACSR	14.32Y	119.3	0.01	6.70	8.08	4	114	19	99	0.01	0.0	10.969	0.056	0	0	0	44
041418	PL.11238	A	Consumer	14.32Y	119.3	0.00	6.70	0.00	0	0	0	100	0.00	0.0	10.969	0.000	0	0	1	1
041417	PL.11238	A	Consumer	14.32Y	119.3	0.00	6.70	0.20	0	3	0	100	0.00	0.0	10.969	0.000	3	0	1	1
041420	PL.11238	A	Consumer	14.32Y	119.3	0.00	6.70	0.16	0	2	0	100	0.00	0.0	10.969	0.000	2	0	1	1
PL.11239	PL.11238	A	4ACSR	14.32Y	119.3	0.00	6.70	7.72	4	109	18	99	0.00	0.0	10.982	0.013	0	0	0	41
PL.11237	PL.11239	A	4ACSR	14.31Y	119.3	0.01	6.71	7.72	4	109	18	99	0.01	0.0	11.035	0.053	0	0	0	41
041483	PL.11237	A	Consumer	14.31Y	119.3	0.00	6.71	0.00	0	0	0	100	0.00	0.0	11.035	0.000	0	0	1	1
041419	PL.11237	A	Consumer	14.31Y	119.3	0.00	6.71	0.00	0	0	0	100	0.00	0.0	11.035	0.000	0	0	1	1
041478	PL.11237	A	Consumer	14.31Y	119.3	0.00	6.71	0.62	0	9	1	99	0.00	0.0	11.035	0.000	9	1	1	1
PL.7339	PL.11237	A	4ACSR	14.31Y	119.3	0.01	6.72	5.95	3	84	14	99	0.00	0.0	11.079	0.044	0	0	0	35
PL.7332	PL.7339	A	4ACSR	14.31Y	119.3	0.01	6.73	3.58	2	51	8	99	0.00	0.0	11.159	0.080	0	0	0	13
PL.7333	PL.7332	A	4ACSR	14.31Y	119.3	0.00	6.73	2.96	2	42	7	99	0.00	0.0	11.185	0.027	0	0	0	11
041486	PL.7333	A	Consumer	14.31Y	119.3	0.00	6.73	1.09	0	15	3	98	0.00	0.0	11.185	0.000	15	3	1	1
041432	PL.7333	A	Consumer	14.31Y	119.3	0.00	6.73	0.48	0	7	1	99	0.00	0.0	11.185	0.000	7	1	1	1
041490	PL.7333	A	Consumer	14.31Y	119.3	0.00	6.73	0.00	0	0	0	100	0.00	0.0	11.185	0.000	0	0	0	0
041487	PL.7333	A	Consumer	14.31Y	119.3	0.00	6.73	0.00	0	0	0	100	0.00	0.0	11.185	0.000	0	0	0	0
PL.19304	PL.7333	A	4ACSR	14.31Y	119.3	0.00	6.73	1.39	1	20	3	99	0.00	0.0	11.255	0.070	0	0	0	9
PL.19305	PL.19304	A	4ACSR	14.31Y	119.3	0.00	6.73	1.35	1	19	3	99	0.00	0.0	11.278	0.023	0	0	0	8
041469	PL.19305	A	Consumer	14.31Y	119.3	0.00	6.73	0.07	0	1	0	100	0.00	0.0	11.278	0.000	1	0	1	1
041431	PL.19305	A	Consumer	14.31Y	119.3	0.00	6.73	0.36	0	5	1	98	0.00	0.0	11.278	0.000	5	1	1	1
041430	PL.19305	A	Consumer	14.31Y	119.3	0.00	6.73	0.07	0	1	0	100	0.00	0.0	11.278	0.000	1	0	1	1
0414109	PL.19305	A	Consumer	14.31Y	119.3	0.00	6.73	0.30	0	4	1	97	0.00	0.0	11.278	0.000	4	1	1	1
PL.7329	PL.19305	A	4ACSR	14.31Y	119.3	0.00	6.73	0.55	0	8	1	99	0.00	0.0	11.335	0.056	0	0	0	4
041458	PL.7329	A	Consumer	14.31Y	119.3	0.00	6.73	0.00	0	0	0	100	0.00	0.0	11.335	0.000	0	0	1	1
041498	PL.7329	A	Consumer	14.31Y	119.3	0.00	6.73	0.00	0	0	0	100	0.00	0.0	11.335	0.000	0	0	0	0
041461	PL.7329	A	Consumer	14.31Y	119.3	0.00	6.73	0.00	0	0	0	100	0.00	0.0	11.335	0.000	0	0	0	0
041489	PL.7329	A	Consumer	14.31Y	119.3	0.00	6.73	0.20	0	3	0	100	0.00	0.0	11.335	0.000	3	0	1	1
041444	PL.7329	A	Consumer	14.31Y	119.3	0.00	6.73	0.29	0	4	1	97	0.00	0.0	11.335	0.000	4	1	1	1
041494	PL.7329	A	Consumer	14.31Y	119.3	0.00	6.73	0.07	0	1	0	100	0.00	0.0	11.335	0.000	1	0	1	1
041436	PL.19304	A	Consumer	14.31Y	119.3	0.00	6.73	0.00	0	0	0	100	0.00	0.0	11.255	0.000	0	0	0	0
041435	PL.19304	A	Consumer	14.31Y	119.3	0.00	6.73	0.03	0	0	0	100	0.00	0.0	11.255	0.000	0	0	1	1
041499	PL.7332	A	Consumer	14.31Y	119.3	0.00	6.73	0.44	0	6	1	99	0.00	0.0	11.159	0.000	6	1	1	1
041423	PL.7332	A	Consumer	14.31Y	119.3	0.00	6.73	0.18	0	3	0	100	0.00	0.0	11.159	0.000	3	0	1	1
PL.11240	PL.7339	A	4ACSR	14.31Y	119.3	0.00	6.72	1.58	1	22	4	98	0.00	0.0	11.117	0.038	0	0	0	19
041477	PL.11240	A	Consumer	14.31Y	119.3	0.00	6.72	0.31	0	4	1	97	0.00	0.0	11.117	0.000	4	1	1	1

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Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
041429	PL.11240	A	Consumer	14.31Y	119.3	0.00	6.72	0.11	0	2	0	100	0.00	0.0	11.117	0.000	2	0	1	1
PL.11241	PL.11240	A	4ACSR	14.31Y	119.3	0.00	6.72	1.16	1	16	3	98	0.00	0.0	11.170	0.053	0	0	0	17
041456	PL.11241	A	Consumer	14.31Y	119.3	0.00	6.72	0.00	0	0	0	100	0.00	0.0	11.170	0.000	0	0	1	1
041452	PL.11241	A	Consumer	14.31Y	119.3	0.00	6.72	0.01	0	0	0	100	0.00	0.0	11.170	0.000	0	0	1	1
041468	PL.11241	A	Consumer	14.31Y	119.3	0.00	6.72	0.00	0	0	0	100	0.00	0.0	11.170	0.000	0	0	1	1
PL.7338	PL.11241	A	4ACSR	14.31Y	119.3	0.00	6.72	1.14	1	16	3	98	0.00	0.0	11.241	0.071	0	0	0	14
PL.11503	PL.7338	A	4ACSR	14.31Y	119.3	0.00	6.72	0.83	0	12	2	99	0.00	0.0	11.280	0.039	0	0	0	11
PL.11504	PL.11503	A	4ACSR	14.31Y	119.3	0.00	6.73	0.82	0	12	2	99	0.00	0.0	11.348	0.068	0	0	0	8
041480	PL.11504	A	Consumer	14.31Y	119.3	0.00	6.73	0.08	0	1	0	100	0.00	0.0	11.348	0.000	1	0	1	1
041493	PL.11504	A	Consumer	14.31Y	119.3	0.00	6.73	0.26	0	4	1	97	0.00	0.0	11.348	0.000	4	1	1	1
0414132	PL.11504	A	Consumer	14.31Y	119.3	0.00	6.73	0.00	0	0	0	100	0.00	0.0	11.348	0.000	0	0	0	0
PL.7337	PL.11504	A	4ACSR	14.31Y	119.3	0.00	6.73	0.48	0	7	1	99	0.00	0.0	11.400	0.053	0	0	0	6
0414120	PL.7337	A	Consumer	14.31Y	119.3	0.00	6.73	0.17	0	2	0	100	0.00	0.0	11.400	0.000	2	0	1	1
041476	PL.7337	A	Consumer	14.31Y	119.3	0.00	6.73	0.00	0	0	0	100	0.00	0.0	11.400	0.000	0	0	1	1
041445	PL.7337	A	Consumer	14.31Y	119.3	0.00	6.73	0.03	0	0	0	100	0.00	0.0	11.400	0.000	0	0	1	1
041443	PL.7337	A	Consumer	14.31Y	119.3	0.00	6.73	0.00	0	0	0	100	0.00	0.0	11.400	0.000	0	0	1	1
PL.7330	PL.7337	A	4ACSR	14.31Y	119.3	0.00	6.73	0.29	0	4	1	97	0.00	0.0	11.480	0.079	0	0	0	2
041467	PL.7330	A	Consumer	14.31Y	119.3	0.00	6.73	0.01	0	0	0	100	0.00	0.0	11.480	0.000	0	0	1	1
041459	PL.7330	A	Consumer	14.31Y	119.3	0.00	6.73	0.28	0	4	1	97	0.00	0.0	11.480	0.000	4	1	1	1
041442	PL.11503	A	Consumer	14.31Y	119.3	0.00	6.72	0.00	0	0	0	100	0.00	0.0	11.280	0.000	0	0	1	1
041463	PL.11503	A	Consumer	14.31Y	119.3	0.00	6.72	0.00	0	0	0	100	0.00	0.0	11.280	0.000	0	0	1	1
041441	PL.11503	A	Consumer	14.31Y	119.3	0.00	6.72	0.00	0	0	0	100	0.00	0.0	11.280	0.000	0	0	1	1
041451	PL.11503	A	Consumer	14.31Y	119.3	0.00	6.72	0.00	0	0	0	100	0.00	0.0	11.280	0.000	0	0	0	0
041482	PL.7338	A	Consumer	14.31Y	119.3	0.00	6.72	0.00	0	0	0	100	0.00	0.0	11.241	0.000	0	0	0	0
041466	PL.7338	A	Consumer	14.31Y	119.3	0.00	6.72	0.20	0	3	0	100	0.00	0.0	11.241	0.000	3	0	1	1
041488	PL.7338	A	Consumer	14.31Y	119.3	0.00	6.72	0.10	0	1	0	100	0.00	0.0	11.241	0.000	1	0	1	1
041440	PL.7338	A	Consumer	14.31Y	119.3	0.00	6.72	0.01	0	0	0	100	0.00	0.0	11.241	0.000	0	0	1	1
041422	PL.7339	A	Consumer	14.31Y	119.3	0.00	6.72	0.33	0	5	1	98	0.00	0.0	11.079	0.000	5	1	1	1
041421	PL.7339	A	Consumer	14.31Y	119.3	0.00	6.72	0.46	0	6	1	99	0.00	0.0	11.079	0.000	6	1	1	1
0414131	PL.7339	A	Consumer	14.31Y	119.3	0.00	6.72	0.00	0	0	0	100	0.00	0.0	11.079	0.000	0	0	1	1
PL.7342	PL.11237	A	4ACSR	14.31Y	119.3	0.00	6.71	1.14	1	16	3	98	0.00	0.0	11.097	0.062	0	0	0	3
0414102	PL.7342	A	Consumer	14.31Y	119.3	0.00	6.71	0.00	0	0	0	100	0.00	0.0	11.097	0.000	0	0	0	0
PL.7343	PL.7342	A	4ACSR	14.31Y	119.3	0.00	6.72	1.14	1	16	3	98	0.00	0.0	11.183	0.086	0	0	0	3
041454	PL.7343	A	Consumer	14.31Y	119.3	0.00	6.72	0.00	0	0	0	100	0.00	0.0	11.183	0.000	0	0	1	1
041485	PL.7343	A	Consumer	14.31Y	119.3	0.00	6.72	0.08	0	1	0	100	0.00	0.0	11.183	0.000	1	0	1	1
041455	PL.7343	A	Consumer	14.31Y	119.3	0.00	6.72	1.06	0	15	2	99	0.00	0.0	11.183	0.000	15	2	1	1
041416	PL.7334	A	Consumer	14.32Y	119.3	0.00	6.69	0.04	0	1	0	100	0.00	0.0	10.914	0.000	1	0	1	1
041470	PL.11505	A	Consumer	14.32Y	119.3	0.00	6.69	0.47	0	7	1	99	0.00	0.0	10.880	0.000	7	1	1	1

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
041427	PL.11505	A	Consumer	14.32Y	119.3	0.00	6.69	0.20	0	3	0	100	0.00	0.0	10.880	0.000	3	0	1	1
PL.7335	PL.11235	A	4ACSR	14.32Y	119.3	0.00	6.67	1.17	1	16	3	98	0.00	0.0	10.846	0.054	0	0	0	4
PL.39211	PL.7335	A	4ACSR	14.32Y	119.3	0.00	6.67	0.24	0	3	1	95	0.00	0.0	10.878	0.032	0	0	0	3
PL.39212	PL.39211	A	4ACSR	14.32Y	119.3	0.00	6.67	0.15	0	2	0	100	0.00	0.0	10.945	0.067	0	0	0	2
041438	PL.39212	A	Consumer	14.32Y	119.3	0.00	6.67	0.12	0	2	0	100	0.00	0.0	10.945	0.000	2	0	1	1
041464	PL.39212	A	Consumer	14.32Y	119.3	0.00	6.67	0.03	0	0	0	100	0.00	0.0	10.945	0.000	0	0	1	1
0414130	PL.39211	A	Consumer	14.32Y	119.3	0.00	6.67	0.09	0	1	0	100	0.00	0.0	10.878	0.000	1	0	1	1
0414110	PL.7335	A	Consumer	14.32Y	119.3	0.00	6.67	0.93	0	13	2	99	0.00	0.0	10.846	0.000	13	2	1	1
041449	PL.19025	A	Consumer	14.33Y	119.4	0.00	6.62	1.13	0	16	3	98	0.00	0.0	10.582	0.000	16	3	1	1
041426	PL.20345	A	Consumer	14.33Y	119.4	0.00	6.61	0.03	0	0	0	100	0.00	0.0	10.547	0.000	0	0	1	1
041492	PL.20345	A	Consumer	14.33Y	119.4	0.00	6.61	0.75	0	11	2	98	0.00	0.0	10.547	0.000	11	2	1	1
PL.18123	PL.11498	A	4ACSR	14.33Y	119.4	0.00	6.60	6.43	3	91	15	99	0.00	0.0	10.512	0.005	0	0	0	20
C PD.1837	PL.18123	A	fuse6AMP	14.33Y	119.4	0.00	6.60	6.43	110	91	15	99	0.00	0.0	10.512	0.000	0	0	0	20 C
PL.18124	PD.1837	A	4ACSR	14.33Y	119.4	0.01	6.62	6.43	3	91	15	99	0.01	0.0	10.588	0.076	0	0	0	20
041434	PL.18124	A	Consumer	14.33Y	119.4	0.00	6.62	1.40	0	20	3	99	0.00	0.0	10.588	0.000	20	3	1	1
041433	PL.18124	A	Consumer	14.33Y	119.4	0.00	6.62	0.02	0	0	0	100	0.00	0.0	10.588	0.000	0	0	1	1
PL.7344	PL.18124	A	4ACSR	14.33Y	119.4	0.01	6.62	5.01	3	71	12	99	0.00	0.0	10.635	0.047	0	0	0	18
041474	PL.7344	A	Consumer	14.33Y	119.4	0.00	6.62	0.99	0	14	2	99	0.00	0.0	10.635	0.000	14	2	1	1
041457	PL.7344	A	Consumer	14.33Y	119.4	0.00	6.62	0.08	0	1	0	100	0.00	0.0	10.635	0.000	1	0	1	1
041460	PL.7344	A	Consumer	14.33Y	119.4	0.00	6.62	1.32	0	19	3	99	0.00	0.0	10.635	0.000	19	3	1	1
PL.7341	PL.7344	A	4ACSR	14.33Y	119.4	0.00	6.62	2.62	1	37	6	99	0.00	0.0	10.670	0.034	0	0	0	15
PL.11500	PL.7341	A	4ACSR	14.33Y	119.4	0.00	6.62	1.55	1	22	4	98	0.00	0.0	10.699	0.030	0	0	0	14
041447	PL.11500	A	Consumer	14.33Y	119.4	0.00	6.62	0.07	0	1	0	100	0.00	0.0	10.699	0.000	1	0	1	1
041446	PL.11500	A	Consumer	14.33Y	119.4	0.00	6.62	0.00	0	0	0	100	0.00	0.0	10.699	0.000	0	0	0	0
PL.7352	PL.11500	A	4ACSR	14.33Y	119.4	0.00	6.62	0.71	0	10	2	98	0.00	0.0	10.722	0.023	0	0	0	4
PL.7353	PL.7352	A	4ACSR	14.33Y	119.4	0.00	6.62	0.67	0	10	2	98	0.00	0.0	10.747	0.025	0	0	0	2
0414129	PL.7353	A	Consumer	14.33Y	119.4	0.00	6.62	0.00	0	0	0	100	0.00	0.0	10.747	0.000	0	0	0	0
0414106	PL.7353	A	Consumer	14.33Y	119.4	0.00	6.62	0.49	0	7	1	99	0.00	0.0	10.747	0.000	7	1	1	1
0414108	PL.7353	A	Consumer	14.33Y	119.4	0.00	6.62	0.18	0	3	0	100	0.00	0.0	10.747	0.000	3	0	1	1
041496	PL.7352	A	Consumer	14.33Y	119.4	0.00	6.62	0.00	0	0	0	100	0.00	0.0	10.722	0.000	0	0	1	1
041479	PL.7352	A	Consumer	14.33Y	119.4	0.00	6.62	0.04	0	1	0	100	0.00	0.0	10.722	0.000	1	0	1	1
PL.11501	PL.11500	A	4ACSR	14.33Y	119.4	0.00	6.62	0.77	0	11	2	98	0.00	0.0	10.745	0.045	0	0	0	9
041475	PL.11501	A	Consumer	14.33Y	119.4	0.00	6.62	0.18	0	3	0	100	0.00	0.0	10.745	0.000	3	0	1	1
041471	PL.11501	A	Consumer	14.33Y	119.4	0.00	6.62	0.21	0	3	0	100	0.00	0.0	10.745	0.000	3	0	1	1
0414112	PL.11501	A	Consumer	14.33Y	119.4	0.00	6.62	0.01	0	0	0	100	0.00	0.0	10.745	0.000	0	0	1	1
041481	PL.11501	A	Consumer	14.33Y	119.4	0.00	6.62	0.00	0	0	0	100	0.00	0.0	10.745	0.000	0	0	0	0
041448	PL.11501	A	Consumer	14.33Y	119.4	0.00	6.62	0.02	0	0	0	100	0.00	0.0	10.745	0.000	0	0	1	1
041462	PL.11501	A	Consumer	14.33Y	119.4	0.00	6.62	0.05	0	1	0	100	0.00	0.0	10.745	0.000	1	0	1	1

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.11502	PL.11501	A	4ACSR	14.33Y	119.4	0.00	6.62	0.29	0	4	1	97	0.00	0.0	10.772	0.027	0	0	0	4
041484	PL.11502	A	Consumer	14.33Y	119.4	0.00	6.62	0.03	0	0	0	100	0.00	0.0	10.772	0.000	0	0	1	1
041453	PL.11502	A	Consumer	14.33Y	119.4	0.00	6.62	0.01	0	0	0	100	0.00	0.0	10.772	0.000	0	0	1	1
041465	PL.11502	A	Consumer	14.33Y	119.4	0.00	6.62	0.06	0	1	0	100	0.00	0.0	10.772	0.000	1	0	1	1
041473	PL.11502	A	Consumer	14.33Y	119.4	0.00	6.62	0.20	0	3	0	100	0.00	0.0	10.772	0.000	3	0	1	1
041472	PL.7341	A	Consumer	14.33Y	119.4	0.00	6.62	1.07	0	15	2	99	0.00	0.0	10.670	0.000	15	2	1	1
PL.3199	PL.28095	A	4ACSR	14.33Y	119.4	0.00	6.55	0.00	0	0	0	100	0.00	0.0	10.443	0.060	0	0	0	0
040466	PL.3199	A	Consumer	14.33Y	119.4	0.00	6.55	0.00	0	0	0	100	0.00	0.0	10.443	0.000	0	0	0	0
040434	PL.28095	A	Consumer	14.33Y	119.4	0.00	6.55	0.67	0	9	2	98	0.00	0.0	10.383	0.000	9	2	1	1
040402	PL.28095	A	Consumer	14.33Y	119.4	0.00	6.55	0.66	0	9	2	98	0.00	0.0	10.383	0.000	9	2	1	1
PL.11024	PL.192	A	2ACSR	14.34Y	119.5	0.02	6.53	25.79	10	366	50	99	0.18	0.0	10.335	0.053	0	0	0	112
		B		14.99Y	124.9	0.02	1.06	35.74	14	531	73	99					0	0	0	211
		C		14.84Y	123.7	0.01	2.34	22.44	9	331	37	99					0	0	0	103
PL.11025	PL.11024	A	2ACSR	14.33Y	119.4	0.08	6.61	24.68	10	351	43	99	0.77	0.1	10.567	0.232	0	0	0	111
		B		14.98Y	124.8	0.11	1.16	35.74	14	531	73	99					0	0	0	211
		C		14.83Y	123.6	0.05	2.39	22.44	9	331	37	99					0	0	0	103
PL.3198	PL.11025	C	4ACSR	14.83Y	123.6	0.00	2.39	1.37	1	20	3	99	0.00	0.0	10.598	0.031	0	0	0	3
0404123	PL.3198	C	Consumer	14.83Y	123.6	0.00	2.39	0.37	0	5	1	98	0.00	0.0	10.598	0.000	5	1	1	1
0404109	PL.3198	C	Consumer	14.83Y	123.6	0.00	2.39	0.00	0	0	0	100	0.00	0.0	10.598	0.000	0	0	1	1
0404116	PL.3198	C	Consumer	14.83Y	123.6	0.00	2.39	1.00	0	15	2	99	0.00	0.0	10.598	0.000	15	2	1	1
PL.20214	PL.11025	A	2ACSR	14.33Y	119.4	0.00	6.61	24.68	10	351	43	99	0.02	0.0	10.573	0.005	0	0	0	111
		B		14.98Y	124.8	0.00	1.17	35.74	14	530	73	99					0	0	0	211
		C		14.83Y	123.6	0.00	2.39	21.07	8	311	34	99					0	0	0	100
PL.20215	PL.20214	A	2ACSR	14.32Y	119.3	0.05	6.66	24.68	10	351	43	99	0.47	0.0	10.718	0.146	0	0	0	111
		B		14.97Y	124.8	0.07	1.23	35.74	14	530	73	99					0	0	0	211
		C		14.83Y	123.6	0.03	2.42	21.07	8	311	34	99					0	0	0	100
PL.46004	PL.20215	A	1/0ACSR	14.32Y	119.3	0.02	6.68	20.55	6	292	33	99	0.08	0.0	10.822	0.104	0	0	0	97
		B		14.97Y	124.8	0.01	1.24	14.51	4	216	19	100					0	0	0	94
		C		14.83Y	123.6	0.01	2.43	14.43	4	213	18	100					0	0	0	66
PD.8706-A	PL.46004	A	Closed	14.32Y	119.3	0.00	6.68	20.55	0	292	33	99	0.00	0.0	10.822	0.000	0	0	0	97
		B		14.97Y	124.8	0.00	1.24	14.51	0	216	19	100					0	0	0	94
		C		14.83Y	123.6	0.00	2.43	14.43	0	213	18	100					0	0	0	66
PD.8706-B	PD.8706-A	A	Closed	14.32Y	119.3	0.00	6.68	20.55	0	292	33	99	0.00	0.0	10.822	0.000	0	0	0	97
		B		14.97Y	124.8	0.00	1.24	14.51	0	216	19	100					0	0	0	94
		C		14.83Y	123.6	0.00	2.43	14.43	0	213	18	100					0	0	0	66
PL.46005	PD.8706-B	A	1/0ACSR	14.32Y	119.3	0.01	6.69	20.55	6	292	33	99	0.05	0.0	10.888	0.066	0	0	0	97
		B		14.97Y	124.8	0.01	1.25	14.51	4	216	19	100					0	0	0	94
		C		14.83Y	123.6	0.01	2.43	14.43	4	213	18	100					0	0	0	66
PL.40979	PL.46005	A	1/0ACSR	14.31Y	119.2	0.06	6.75	20.55	6	292	33	99	0.24	0.0	11.223	0.335	0	0	0	97
		B		14.97Y	124.7	0.03	1.28	14.51	4	216	19	100					0	0	0	94
		C		14.82Y	123.5	0.04	2.47	14.35	4	212	18	100					0	0	0	62
PL.40982	PL.40979	A	1/0ACSR	14.31Y	119.2	0.01	6.76	20.55	6	292	33	99	0.04	0.0	11.280	0.057	0	0	0	97
		B		14.97Y	124.7	0.00	1.28	14.51	4	216	19	100					0	0	0	94
		C		14.82Y	123.5	0.01	2.48	14.07	4	208	17	100					0	0	0	61
PL.40986	PL.40982	A	2ACSR	14.31Y	119.2	0.00	6.76	0.17	0	2	0	100	0.00	0.0	11.286	0.006	0	0	0	1
PD.7314	PL.40986	A	fuse6AMP	14.31Y	119.2	0.00	6.76	0.17	3	2	0	100	0.00	0.0	11.286	0.000	0	0	0	1
PL.40987	PD.7314	A	2ACSR	14.31Y	119.2	0.00	6.76	0.17	0	2	0	100	0.00	0.0	11.322	0.036	0	0	0	1
469416	PL.40987	A	Consumer	14.31Y	119.2	0.00	6.76	0.17	0	2	0	100	0.00	0.0	11.322	0.000	2	0	1	1

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
469404	PL.40987	A	Consumer	14.31Y	119.2	0.00	6.76	0.00	0	0	0	100	0.00	0.0	11.322	0.000	0	0	0	0
PL.41179	PL.40982	A	1/0ACSR	14.31Y	119.2	0.02	6.79	20.37	6	290	33	99	0.09	0.0	11.412	0.132	0	0	0	96
		B		14.96Y	124.7	0.01	1.29	14.51	4	216	19	100					0	0	0	94
		C		14.82Y	123.5	0.01	2.50	14.07	4	208	17	100					0	0	0	61
PL.41182	PL.41179	A	1/0ACSR	14.30Y	119.2	0.03	6.82	20.37	6	290	33	99	0.14	0.0	11.605	0.192	0	0	0	96
		B		14.96Y	124.7	0.02	1.31	14.33	4	214	19	100					0	0	0	90
		C		14.82Y	123.5	0.02	2.52	14.07	4	208	17	100					0	0	0	61
PL.41454	PL.41182	A	2ACSR	14.30Y	119.2	0.00	6.82	17.14	7	242	40	99	0.00	0.0	11.611	0.006	0	0	0	86
		B		14.96Y	124.7	0.00	1.31	14.43	6	213	35	99					0	0	0	88
		C		14.82Y	123.5	0.00	2.52	5.87	2	86	14	99					0	0	0	29
PD.7444-A	PL.41454	A	Closed	14.30Y	119.2	0.00	6.82	17.14	0	242	40	99	0.00	0.0	11.611	0.000	0	0	0	86
		B		14.96Y	124.7	0.00	1.31	14.43	0	213	35	99					0	0	0	88
		C		14.82Y	123.5	0.00	2.52	5.87	0	86	14	99					0	0	0	29
PD.7444-B	PD.7444-A	A	Closed	14.30Y	119.2	0.00	6.82	17.14	0	242	40	99	0.00	0.0	11.611	0.000	0	0	0	86
		B		14.96Y	124.7	0.00	1.31	14.43	0	213	35	99					0	0	0	88
		C		14.82Y	123.5	0.00	2.52	5.87	0	86	14	99					0	0	0	29
PL.46099	PD.7444-B	A	2ACSR	14.30Y	119.2	0.01	6.83	17.14	7	242	40	99	0.02	0.0	11.641	0.030	0	0	0	86
		B		14.96Y	124.7	0.00	1.31	14.43	6	213	35	99					0	0	0	88
		C		14.82Y	123.5	0.00	2.52	5.87	2	86	14	99					0	0	0	29
PD.8719	PL.46099	A	25L	14.30Y	119.2	0.00	6.83	17.14	69	242	40	99	0.00	0.0	11.641	0.000	0	0	0	86
		B		14.96Y	124.7	0.00	1.31	14.43	58	213	35	99					0	0	0	88
		C		14.82Y	123.5	0.00	2.52	5.87	23	86	14	99					0	0	0	29
PL.46100	PD.8719	A	2ACSR	14.30Y	119.2	0.01	6.84	17.14	7	242	40	99	0.02	0.0	11.673	0.032	0	0	0	86
		B		14.96Y	124.7	0.00	1.32	14.43	6	213	35	99					0	0	0	88
		C		14.82Y	123.5	0.00	2.52	5.87	2	86	14	99					0	0	0	29
PL.41469	PL.46100	A	2ACSR	14.30Y	119.1	0.02	6.86	17.09	7	241	39	99	0.06	0.0	11.752	0.079	0	0	0	85
		B		14.96Y	124.7	0.01	1.33	14.43	6	213	35	99					0	0	0	88
		C		14.82Y	123.5	0.00	2.52	5.87	2	86	14	99					0	0	0	29
PL.28199	PL.41469	A	4ACSR	14.30Y	119.1	0.00	6.87	17.09	9	241	39	99	0.01	0.0	11.765	0.013	0	0	0	85
		B		14.96Y	124.7	0.00	1.33	14.14	7	209	34	99					0	0	0	87
		C		14.82Y	123.5	0.00	2.53	4.89	3	71	12	99					0	0	0	28
PL.28200	PL.28199	A	4ACSR	14.29Y	119.1	0.03	6.89	17.09	9	241	39	99	0.08	0.0	11.833	0.068	0	0	0	85
		B		14.96Y	124.7	0.02	1.35	14.14	7	209	34	99					0	0	0	87
		C		14.82Y	123.5	0.00	2.53	4.89	3	71	12	99					0	0	0	28
PL.21478	PL.28200	B	4ACSR	14.96Y	124.6	0.00	1.35	14.14	7	209	34	99	0.00	0.0	11.839	0.005	0	0	0	87
PL.46101	PL.21478	B	4ACSR	14.96Y	124.6	0.00	1.35	14.14	7	209	34	99	0.00	0.0	11.846	0.007	0	0	0	87
PD.8721-A	PL.46101	B	Closed	14.96Y	124.6	0.00	1.35	14.14	0	209	34	99	0.00	0.0	11.846	0.000	0	0	0	87
PD.8721-B	PD.8721-A	B	Closed	14.96Y	124.6	0.00	1.35	14.14	0	209	34	99	0.00	0.0	11.846	0.000	0	0	0	87
PL.46102	PD.8721-B	B	4ACSR	14.96Y	124.6	0.01	1.36	14.14	7	209	34	99	0.01	0.0	11.870	0.023	0	0	0	87
4684117	PL.46102	B	Consumer	14.96Y	124.6	0.00	1.36	0.55	0	8	1	99	0.00	0.0	11.870	0.000	8	1	1	1
PL.22615	PL.46102	B	4ACSR	14.96Y	124.6	0.01	1.37	13.60	7	201	33	99	0.02	0.0	11.905	0.035	0	0	0	86
4684165	PL.22615	B	Consumer	14.96Y	124.6	0.00	1.37	0.11	0	2	0	100	0.00	0.0	11.905	0.000	2	0	1	1
4684127	PL.22615	B	Consumer	14.96Y	124.6	0.00	1.37	0.00	0	0	0	100	0.00	0.0	11.905	0.000	0	0	0	0
468494	PL.22615	B	Consumer	14.96Y	124.6	0.00	1.37	0.19	0	3	0	100	0.00	0.0	11.905	0.000	3	0	1	1
468474	PL.22615	B	Consumer	14.96Y	124.6	0.00	1.37	0.00	0	0	0	100	0.00	0.0	11.905	0.000	0	0	0	0
PL.22618	PL.22615	B	4ACSR	14.95Y	124.6	0.02	1.39	13.30	7	196	32	99	0.02	0.0	11.963	0.058	0	0	0	84
PL.22651	PL.22618	B	4ACSR	14.95Y	124.6	0.03	1.42	12.98	7	192	31	99	0.04	0.0	12.064	0.101	0	0	0	82
PL.22781	PL.22651	B	4ACSR	14.95Y	124.6	0.01	1.43	12.94	7	191	31	99	0.02	0.0	12.103	0.038	0	0	0	80
PL.22782	PL.22781	B	4ACSR	14.95Y	124.6	0.01	1.43	12.89	7	190	31	99	0.01	0.0	12.122	0.020	0	0	0	76

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.22649	PL.22782	B	4ACSR	14.95Y	124.6	0.00	1.43	0.12	0	2	0	100	0.00	0.0	12.151	0.029	0	0	0	2
PL.22650	PL.22649	B	4ACSR	14.95Y	124.6	0.00	1.43	0.01	0	0	0	100	0.00	0.0	12.200	0.049	0	0	0	1
4684101	PL.22650	B	Consumer	14.95Y	124.6	0.00	1.43	0.01	0	0	0	100	0.00	0.0	12.200	0.000	0	0	1	1
4684199	PL.22649	B	Consumer	14.95Y	124.6	0.00	1.43	0.11	0	2	0	100	0.00	0.0	12.151	0.000	2	0	1	1
PL.22621	PL.22782	B	4ACSR	14.95Y	124.6	0.02	1.45	12.56	6	185	30	99	0.02	0.0	12.180	0.058	0	0	0	70
468454	PL.22621	B	Consumer	14.95Y	124.6	0.00	1.45	0.62	0	9	2	98	0.00	0.0	12.180	0.000	9	2	1	1
468430	PL.22621	B	Consumer	14.95Y	124.6	0.00	1.45	0.00	0	0	0	100	0.00	0.0	12.180	0.000	0	0	0	0
468428	PL.22621	B	Consumer	14.95Y	124.6	0.00	1.45	0.00	0	0	0	100	0.00	0.0	12.180	0.000	0	0	1	1
PL.28660	PL.22621	B	4ACSR	14.95Y	124.6	0.00	1.45	0.03	0	0	0	100	0.00	0.0	12.258	0.078	0	0	0	3
468434	PL.28660	B	Consumer	14.95Y	124.6	0.00	1.45	0.00	0	0	0	100	0.00	0.0	12.258	0.000	0	0	1	1
468501	PL.28660	B	Consumer	14.95Y	124.6	0.00	1.45	0.01	0	0	0	100	0.00	0.0	12.258	0.000	0	0	1	1
468522	PL.28660	B	Consumer	14.95Y	124.6	0.00	1.45	0.01	0	0	0	100	0.00	0.0	12.258	0.000	0	0	1	1
PL.22623	PL.22621	B	4ACSR	14.95Y	124.5	0.01	1.45	11.91	6	176	29	99	0.01	0.0	12.208	0.028	0	0	0	65
PL.21493	PL.22623	B	4ACSR	14.94Y	124.5	0.01	1.46	11.05	6	163	27	99	0.01	0.0	12.244	0.037	0	0	0	52
468534	PL.21493	B	Consumer	14.94Y	124.5	0.00	1.46	0.28	0	4	1	97	0.00	0.0	12.244	0.000	4	1	1	1
PL.21494	PL.21493	B	4ACSR	14.94Y	124.5	0.02	1.48	10.78	6	159	26	99	0.02	0.0	12.319	0.074	0	0	0	51
PL.22622	PL.21494	B	4ACSR	14.94Y	124.5	0.00	1.48	3.25	2	48	8	99	0.00	0.0	12.351	0.032	0	0	0	17
468510	PL.22622	B	Consumer	14.94Y	124.5	0.00	1.48	0.17	0	3	0	100	0.00	0.0	12.351	0.000	3	0	1	1
468543	PL.22622	B	Consumer	14.94Y	124.5	0.00	1.48	0.00	0	0	0	100	0.00	0.0	12.351	0.000	0	0	1	1
468507	PL.22622	B	Consumer	14.94Y	124.5	0.00	1.48	0.40	0	6	1	99	0.00	0.0	12.351	0.000	6	1	1	1
468506	PL.22622	B	Consumer	14.94Y	124.5	0.00	1.48	0.24	0	3	1	95	0.00	0.0	12.351	0.000	3	1	1	1
PL.22624	PL.22622	B	4ACSR	14.94Y	124.5	0.00	1.49	2.44	1	36	6	99	0.00	0.0	12.421	0.071	0	0	0	13
PL.22784	PL.22624	B	4ACSR	14.94Y	124.5	0.00	1.49	0.83	0	12	2	99	0.00	0.0	12.452	0.030	0	0	0	3
PL.22785	PL.22784	B	4ACSR	14.94Y	124.5	0.00	1.49	0.58	0	9	1	99	0.00	0.0	12.501	0.049	0	0	0	2
468571	PL.22785	B	Consumer	14.94Y	124.5	0.00	1.49	0.39	0	6	1	99	0.00	0.0	12.501	0.000	6	1	1	1
PL.22653	PL.22785	B	4ACSR	14.94Y	124.5	0.00	1.49	0.20	0	3	0	100	0.00	0.0	12.517	0.016	0	0	0	1
468568	PL.22653	B	Consumer	14.94Y	124.5	0.00	1.49	0.20	0	3	0	100	0.00	0.0	12.517	0.000	3	0	1	1
468572	PL.22784	B	Consumer	14.94Y	124.5	0.00	1.49	0.25	0	4	1	97	0.00	0.0	12.452	0.000	4	1	1	1
PL.22625	PL.22624	B	4ACSR	14.94Y	124.5	0.00	1.49	1.08	1	16	3	98	0.00	0.0	12.443	0.022	0	0	0	7
468544	PL.22625	B	Consumer	14.94Y	124.5	0.00	1.49	0.00	0	0	0	100	0.00	0.0	12.443	0.000	0	0	1	1
468513	PL.22625	B	Consumer	14.94Y	124.5	0.00	1.49	0.01	0	0	0	100	0.00	0.0	12.443	0.000	0	0	1	1
468518	PL.22625	B	Consumer	14.94Y	124.5	0.00	1.49	0.24	0	3	1	95	0.00	0.0	12.443	0.000	3	1	1	1
468565	PL.22625	B	Consumer	14.94Y	124.5	0.00	1.49	0.81	0	12	2	99	0.00	0.0	12.443	0.000	12	2	1	1
PL.22626	PL.22625	B	4ACSR	14.94Y	124.5	0.00	1.49	0.03	0	0	0	100	0.00	0.0	12.518	0.075	0	0	0	3
468514	PL.22626	B	Consumer	14.94Y	124.5	0.00	1.49	0.00	0	0	0	100	0.00	0.0	12.518	0.000	0	0	1	1
468579	PL.22626	B	Consumer	14.94Y	124.5	0.00	1.49	0.00	0	0	0	100	0.00	0.0	12.518	0.000	0	0	1	1
468575	PL.22626	B	Consumer	14.94Y	124.5	0.00	1.49	0.03	0	0	0	100	0.00	0.0	12.518	0.000	0	0	1	1
468566	PL.22624	B	Consumer	14.94Y	124.5	0.00	1.49	0.51	0	8	1	99	0.00	0.0	12.421	0.000	8	1	1	1

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
468567	PL.22624	B	Consumer	14.94Y	124.5	0.00	1.49	0.01	0	0	0	100	0.00	0.0	12.421	0.000	0	0	1	1
468508	PL.22624	B	Consumer	14.94Y	124.5	0.00	1.49	0.00	0	0	0	100	0.00	0.0	12.421	0.000	0	0	1	1
468505	PL.21494	B	Consumer	14.94Y	124.5	0.00	1.48	0.00	0	0	0	100	0.00	0.0	12.319	0.000	0	0	1	1
PL.22783	PL.21494	B	4ACSR	14.94Y	124.5	0.01	1.49	7.53	4	111	18	99	0.01	0.0	12.401	0.083	0	0	0	33
468530	PL.22783	B	Consumer	14.94Y	124.5	0.00	1.49	0.01	0	0	0	100	0.00	0.0	12.401	0.000	0	0	1	1
468533	PL.22783	B	Consumer	14.94Y	124.5	0.00	1.49	0.48	0	7	1	99	0.00	0.0	12.401	0.000	7	1	1	1
PL.22637	PL.22783	B	4ACSR	14.94Y	124.5	0.01	1.50	7.03	4	104	17	99	0.01	0.0	12.445	0.044	0	0	0	31
PL.22638	PL.22637	B	4ACSR	14.94Y	124.5	0.01	1.51	7.03	4	104	17	99	0.01	0.0	12.516	0.070	0	0	0	29
468527	PL.22638	B	Consumer	14.94Y	124.5	0.00	1.51	0.28	0	4	1	97	0.00	0.0	12.516	0.000	4	1	1	1
468570	PL.22638	B	Consumer	14.94Y	124.5	0.00	1.51	0.02	0	0	0	100	0.00	0.0	12.516	0.000	0	0	1	1
PL.22639	PL.22638	B	4ACSR	14.94Y	124.5	0.00	1.52	6.73	3	99	16	99	0.00	0.0	12.549	0.034	0	0	0	27
PL.22786	PL.22639	B	4ACSR	14.94Y	124.5	0.00	1.52	6.06	3	89	15	99	0.00	0.0	12.573	0.024	0	0	0	25
PL.22787	PL.22786	B	4ACSR	14.94Y	124.5	0.00	1.52	5.48	3	81	13	99	0.00	0.0	12.591	0.018	0	0	0	23
4685083	PL.22787	B	Consumer	14.94Y	124.5	0.00	1.52	0.00	0	0	0	100	0.00	0.0	12.591	0.000	0	0	0	0
PL.21457	PL.22787	B	4ACSR	14.94Y	124.5	0.00	1.52	2.14	1	32	5	99	0.00	0.0	12.608	0.017	0	0	0	10
PD.1521	PL.21457	B	fuse6AMP	14.94Y	124.5	0.00	1.52	2.14	37	32	5	99	0.00	0.0	12.608	0.000	0	0	0	10
PL.21458	PD.1521	B	4ACSR	14.94Y	124.5	0.00	1.53	2.14	1	32	5	99	0.00	0.0	12.678	0.070	0	0	0	10
PL.22790	PL.21458	B	4ACSR	14.94Y	124.5	0.00	1.53	2.09	1	31	5	99	0.00	0.0	12.714	0.037	0	0	0	8
PL.22791	PL.22790	B	4ACSR	14.94Y	124.5	0.00	1.53	0.44	0	6	1	99	0.00	0.0	12.743	0.029	0	0	0	2
468556	PL.22791	B	Consumer	14.94Y	124.5	0.00	1.53	0.37	0	5	1	98	0.00	0.0	12.743	0.000	5	1	1	1
468542	PL.22791	B	Consumer	14.94Y	124.5	0.00	1.53	0.07	0	1	0	100	0.00	0.0	12.743	0.000	1	0	1	1
468569	PL.22790	B	Consumer	14.94Y	124.5	0.00	1.53	0.00	0	0	0	100	0.00	0.0	12.714	0.000	0	0	1	1
468545	PL.22790	B	Consumer	14.94Y	124.5	0.00	1.53	0.35	0	5	1	98	0.00	0.0	12.714	0.000	5	1	1	1
468547	PL.22790	B	Consumer	14.94Y	124.5	0.00	1.53	0.95	0	14	2	99	0.00	0.0	12.714	0.000	14	2	1	1
PL.28662	PL.22790	B	4ACSR	14.94Y	124.5	0.00	1.53	0.36	0	5	1	98	0.00	0.0	12.744	0.030	0	0	0	3
468515	PL.28662	B	Consumer	14.94Y	124.5	0.00	1.53	0.33	0	5	1	98	0.00	0.0	12.744	0.000	5	1	1	1
468516	PL.28662	B	Consumer	14.94Y	124.5	0.00	1.53	0.00	0	0	0	100	0.00	0.0	12.744	0.000	0	0	0	0
468504	PL.28662	B	Consumer	14.94Y	124.5	0.00	1.53	0.03	0	0	0	100	0.00	0.0	12.744	0.000	0	0	1	1
468519	PL.28662	B	Consumer	14.94Y	124.5	0.00	1.53	0.00	0	0	0	100	0.00	0.0	12.744	0.000	0	0	1	1
468520	PL.21458	B	Consumer	14.94Y	124.5	0.00	1.53	0.00	0	0	0	100	0.00	0.0	12.678	0.000	0	0	1	1
468581	PL.21458	B	Consumer	14.94Y	124.5	0.00	1.53	0.05	0	1	0	100	0.00	0.0	12.678	0.000	1	0	1	1
468517	PL.21458	B	Consumer	14.94Y	124.5	0.00	1.53	0.00	0	0	0	100	0.00	0.0	12.678	0.000	0	0	0	0
PL.28663	PL.22787	B	4ACSR	14.94Y	124.5	0.00	1.52	3.34	2	49	8	99	0.00	0.0	12.603	0.013	0	0	0	13
468529	PL.28663	B	Consumer	14.94Y	124.5	0.00	1.52	0.63	0	9	2	98	0.00	0.0	12.603	0.000	9	2	1	1
468539	PL.28663	B	Consumer	14.94Y	124.5	0.00	1.52	0.19	0	3	0	100	0.00	0.0	12.603	0.000	3	0	1	1
468526	PL.28663	B	Consumer	14.94Y	124.5	0.00	1.52	0.60	0	9	1	99	0.00	0.0	12.603	0.000	9	1	1	1
PL.32992	PL.28663	B	4ACSR	14.94Y	124.5	0.00	1.52	1.92	1	28	5	98	0.00	0.0	12.655	0.052	0	0	0	10
4685085	PL.32992	B	Consumer	14.94Y	124.5	0.00	1.52	0.40	0	6	1	99	0.00	0.0	12.655	0.000	6	1	1	1

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.32993	PL.32992	B	4ACSR	14.94Y	124.5	0.00	1.53	1.52	1	22	4	98	0.00	0.0	12.686	0.031	0	0	0	9
PL.22789	PL.32993	B	4ACSR	14.94Y	124.5	0.00	1.53	0.38	0	6	1	99	0.00	0.0	12.713	0.027	0	0	0	3
468576	PL.22789	B	Consumer	14.94Y	124.5	0.00	1.53	0.21	0	3	0	100	0.00	0.0	12.713	0.000	3	0	1	1
468580	PL.22789	B	Consumer	14.94Y	124.5	0.00	1.53	0.15	0	2	0	100	0.00	0.0	12.713	0.000	2	0	1	1
PL.22654	PL.22789	B	4ACSR	14.94Y	124.5	0.00	1.53	0.02	0	0	0	100	0.00	0.0	12.736	0.023	0	0	0	1
468578	PL.22654	B	Consumer	14.94Y	124.5	0.00	1.53	0.02	0	0	0	100	0.00	0.0	12.736	0.000	0	0	1	1
468574	PL.22654	B	Consumer	14.94Y	124.5	0.00	1.53	0.00	0	0	0	100	0.00	0.0	12.736	0.000	0	0	0	0
PL.37969	PL.32993	B	2ACSR	14.94Y	124.5	0.00	1.53	1.14	0	17	3	98	0.00	0.0	12.715	0.029	0	0	0	6
PL.40436	PL.37969	B	2ACSR	14.94Y	124.5	0.00	1.53	1.14	0	17	3	98	0.00	0.0	12.755	0.040	0	0	0	6
4685092	PL.40436	B	Consumer	14.94Y	124.5	0.00	1.53	0.01	0	0	0	100	0.00	0.0	12.755	0.000	0	0	1	1
4685091	PL.40436	B	Consumer	14.94Y	124.5	0.00	1.53	0.00	0	0	0	100	0.00	0.0	12.755	0.000	0	0	1	1
PL.40437	PL.40436	B	2ACSR	14.94Y	124.5	0.00	1.53	1.14	0	17	3	98	0.00	0.0	12.790	0.035	0	0	0	4
PL.37983	PL.40437	B	2ACSR	14.94Y	124.5	0.00	1.53	0.79	0	12	2	99	0.00	0.0	12.810	0.021	0	0	0	3
PD.6288	PL.37983	B	fuse6AMP	14.94Y	124.5	0.00	1.53	0.79	13	12	2	99	0.00	0.0	12.810	0.000	0	0	0	3
PL.37984	PD.6288	B	2ACSR	14.94Y	124.5	0.00	1.53	0.79	0	12	2	99	0.00	0.0	12.820	0.009	0	0	0	3
PL.40634	PL.37984	B	2ACSR	14.94Y	124.5	0.00	1.53	0.79	0	12	2	99	0.00	0.0	12.926	0.106	0	0	0	3
4685093	PL.40634	B	Consumer	14.94Y	124.5	0.00	1.53	0.00	0	0	0	100	0.00	0.0	12.926	0.000	0	0	1	1
PL.40635	PL.40634	B	2ACSR	14.94Y	124.5	0.00	1.53	0.79	0	12	2	99	0.00	0.0	12.970	0.044	0	0	0	2
4685090	PL.40635	B	Consumer	14.94Y	124.5	0.00	1.53	0.39	0	6	1	99	0.00	0.0	12.970	0.000	6	1	1	1
4685089	PL.40635	B	Consumer	14.94Y	124.5	0.00	1.53	0.40	0	6	1	99	0.00	0.0	12.970	0.000	6	1	1	1
PL.37981	PL.40437	B	2ACSR	14.94Y	124.5	0.00	1.53	0.35	0	5	1	98	0.00	0.0	12.792	0.002	0	0	0	1
PD.6287	PL.37981	B	fuse6AMP	14.94Y	124.5	0.00	1.53	0.35	6	5	1	98	0.00	0.0	12.792	0.000	0	0	0	1
PL.45224	PD.6287	B	2ACSR	14.94Y	124.5	0.00	1.53	0.35	0	5	1	98	0.00	0.0	12.946	0.154	0	0	0	1
PL.45225	PL.45224	B	2ACSR	14.94Y	124.5	0.00	1.53	0.00	0	0	0	100	0.00	0.0	13.034	0.088	0	0	0	0
468582	PL.45224	B	Consumer	14.94Y	124.5	0.00	1.53	0.35	0	5	1	98	0.00	0.0	12.946	0.000	5	1	1	1
PL.22640	PL.22786	B	4ACSR	14.94Y	124.5	0.00	1.52	0.58	0	9	1	99	0.00	0.0	12.598	0.025	0	0	0	2
PL.22641	PL.22640	B	4ACSR	14.94Y	124.5	0.00	1.52	0.53	0	8	1	99	0.00	0.0	12.665	0.067	0	0	0	1
468503	PL.22641	B	Consumer	14.94Y	124.5	0.00	1.52	0.53	0	8	1	99	0.00	0.0	12.665	0.000	8	1	1	1
468537	PL.22640	B	Consumer	14.94Y	124.5	0.00	1.52	0.05	0	1	0	100	0.00	0.0	12.598	0.000	1	0	1	1
468531	PL.22639	B	Consumer	14.94Y	124.5	0.00	1.52	0.23	0	3	1	95	0.00	0.0	12.549	0.000	3	1	1	1
468532	PL.22639	B	Consumer	14.94Y	124.5	0.00	1.52	0.44	0	6	1	99	0.00	0.0	12.549	0.000	6	1	1	1
468524	PL.22637	B	Consumer	14.94Y	124.5	0.00	1.50	0.00	0	0	0	100	0.00	0.0	12.445	0.000	0	0	1	1
468525	PL.22637	B	Consumer	14.94Y	124.5	0.00	1.50	0.00	0	0	0	100	0.00	0.0	12.445	0.000	0	0	1	1
PL.28661	PL.22623	B	4ACSR	14.95Y	124.5	0.00	1.46	0.85	0	13	2	99	0.00	0.0	12.251	0.043	0	0	0	12
468509	PL.28661	B	Consumer	14.95Y	124.5	0.00	1.46	0.00	0	0	0	100	0.00	0.0	12.251	0.000	0	0	1	1
468555	PL.28661	B	Consumer	14.95Y	124.5	0.00	1.46	0.02	0	0	0	100	0.00	0.0	12.251	0.000	0	0	1	1
468553	PL.28661	B	Consumer	14.95Y	124.5	0.00	1.46	0.06	0	1	0	100	0.00	0.0	12.251	0.000	1	0	1	1
468502	PL.28661	B	Consumer	14.95Y	124.5	0.00	1.46	0.00	0	0	0	100	0.00	0.0	12.251	0.000	0	0	1	1

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
468559	PL.28661	B	Consumer	14.95Y	124.5	0.00	1.46	0.01	0	0	0	100	0.00	0.0	12.251	0.000	0	0	1	1
PL.22647	PL.28661	B	4ACSR	14.95Y	124.5	0.00	1.46	0.76	0	11	2	98	0.00	0.0	12.307	0.056	0	0	0	7
PL.22648	PL.22647	B	4ACSR	14.95Y	124.5	0.00	1.46	0.04	0	1	0	100	0.00	0.0	12.340	0.034	0	0	0	3
4685088	PL.22648	B	Consumer	14.95Y	124.5	0.00	1.46	0.00	0	0	0	100	0.00	0.0	12.340	0.000	0	0	1	1
468557	PL.22648	B	Consumer	14.95Y	124.5	0.00	1.46	0.00	0	0	0	100	0.00	0.0	12.340	0.000	0	0	0	0
4685084	PL.22648	B	Consumer	14.95Y	124.5	0.00	1.46	0.03	0	0	0	100	0.00	0.0	12.340	0.000	0	0	1	1
468560	PL.22648	B	Consumer	14.95Y	124.5	0.00	1.46	0.01	0	0	0	100	0.00	0.0	12.340	0.000	0	0	1	1
468563	PL.22647	B	Consumer	14.95Y	124.5	0.00	1.46	0.03	0	1	0	100	0.00	0.0	12.307	0.000	1	0	1	1
468561	PL.22647	B	Consumer	14.95Y	124.5	0.00	1.46	0.38	0	6	1	99	0.00	0.0	12.307	0.000	6	1	1	1
468562	PL.22647	B	Consumer	14.95Y	124.5	0.00	1.46	0.18	0	3	0	100	0.00	0.0	12.307	0.000	3	0	1	1
468558	PL.22647	B	Consumer	14.95Y	124.5	0.00	1.46	0.14	0	2	0	100	0.00	0.0	12.307	0.000	2	0	1	1
468523	PL.22623	B	Consumer	14.95Y	124.5	0.00	1.45	0.00	0	0	0	100	0.00	0.0	12.208	0.000	0	0	1	1
468426	PL.22782	B	Consumer	14.95Y	124.6	0.00	1.43	0.00	0	0	0	100	0.00	0.0	12.122	0.000	0	0	0	0
4684140	PL.22782	B	Consumer	14.95Y	124.6	0.00	1.43	0.00	0	0	0	100	0.00	0.0	12.122	0.000	0	0	1	1
468429	PL.22782	B	Consumer	14.95Y	124.6	0.00	1.43	0.12	0	2	0	100	0.00	0.0	12.122	0.000	2	0	1	1
4684123	PL.22782	B	Consumer	14.95Y	124.6	0.00	1.43	0.09	0	1	0	100	0.00	0.0	12.122	0.000	1	0	1	1
468427	PL.22782	B	Consumer	14.95Y	124.6	0.00	1.43	0.00	0	0	0	100	0.00	0.0	12.122	0.000	0	0	1	1
PL.28659	PL.22781	B	4ACSR	14.95Y	124.6	0.00	1.43	0.05	0	1	0	100	0.00	0.0	12.168	0.065	0	0	0	4
468447	PL.28659	B	Consumer	14.95Y	124.6	0.00	1.43	0.02	0	0	0	100	0.00	0.0	12.168	0.000	0	0	1	1
468446	PL.28659	B	Consumer	14.95Y	124.6	0.00	1.43	0.03	0	0	0	100	0.00	0.0	12.168	0.000	0	0	1	1
468480	PL.28659	B	Consumer	14.95Y	124.6	0.00	1.43	0.01	0	0	0	100	0.00	0.0	12.168	0.000	0	0	1	1
4684172	PL.28659	B	Consumer	14.95Y	124.6	0.00	1.43	0.00	0	0	0	100	0.00	0.0	12.168	0.000	0	0	1	1
4684173	PL.22651	B	Consumer	14.95Y	124.6	0.00	1.42	0.04	0	1	0	100	0.00	0.0	12.064	0.000	1	0	1	1
4684131	PL.22651	B	Consumer	14.95Y	124.6	0.00	1.42	0.01	0	0	0	100	0.00	0.0	12.064	0.000	0	0	1	1
468470	PL.22618	B	Consumer	14.95Y	124.6	0.00	1.39	0.00	0	0	0	100	0.00	0.0	11.963	0.000	0	0	0	0
468483	PL.22618	B	Consumer	14.95Y	124.6	0.00	1.39	0.03	0	0	0	100	0.00	0.0	11.963	0.000	0	0	1	1
468403	PL.22618	B	Consumer	14.95Y	124.6	0.00	1.39	0.29	0	4	1	97	0.00	0.0	11.963	0.000	4	1	1	1
PL.21463	PL.28200	C	4ACSR	14.82Y	123.5	0.00	2.53	4.89	3	71	12	99	0.00	0.0	11.843	0.010	0	0	0	28
PD.8720-A	PL.21463	C	Closed	14.82Y	123.5	0.00	2.53	4.89	0	71	12	99	0.00	0.0	11.843	0.000	0	0	0	28
PD.8720-B	PD.8720-A	C	Closed	14.82Y	123.5	0.00	2.53	4.89	0	71	12	99	0.00	0.0	11.843	0.000	0	0	0	28
PL.21464	PD.8720-B	C	4ACSR	14.82Y	123.5	0.00	2.53	4.89	3	71	12	99	0.00	0.0	11.873	0.030	0	0	0	28
PL.21276	PL.21464	C	4ACSR	14.82Y	123.5	0.01	2.54	4.36	2	64	10	99	0.00	0.0	11.931	0.058	0	0	0	25
468482	PL.21276	C	Consumer	14.82Y	123.5	0.00	2.54	0.22	0	3	1	95	0.00	0.0	11.931	0.000	3	1	1	1
PL.22642	PL.21276	C	4ACSR	14.82Y	123.5	0.00	2.54	1.18	1	17	3	98	0.00	0.0	11.959	0.027	0	0	0	10
PL.22643	PL.22642	C	4ACSR	14.82Y	123.5	0.00	2.54	1.18	1	17	3	98	0.00	0.0	11.995	0.037	0	0	0	9
PL.22614	PL.22643	C	4ACSR	14.81Y	123.5	0.00	2.54	1.16	1	17	3	98	0.00	0.0	12.034	0.038	0	0	0	7
4684109	PL.22614	C	Consumer	14.81Y	123.5	0.00	2.54	0.00	0	0	0	100	0.00	0.0	12.034	0.000	0	0	1	1
PL.22610	PL.22614	C	4ACSR	14.81Y	123.5	0.00	2.54	1.16	1	17	3	98	0.00	0.0	12.081	0.047	0	0	0	6

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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
4684106	PL.22610	C	Consumer	14.81Y	123.5	0.00	2.54	0.69	0	10	2	98	0.00	0.0	12.081	0.000	10	2	1	1
4684120	PL.22610	C	Consumer	14.81Y	123.5	0.00	2.54	0.32	0	5	1	98	0.00	0.0	12.081	0.000	5	1	1	1
4684114	PL.22610	C	Consumer	14.81Y	123.5	0.00	2.54	0.00	0	0	0	100	0.00	0.0	12.081	0.000	0	0	1	1
4684141	PL.22610	C	Consumer	14.81Y	123.5	0.00	2.54	0.02	0	0	0	100	0.00	0.0	12.081	0.000	0	0	1	1
4684115	PL.22610	C	Consumer	14.81Y	123.5	0.00	2.54	0.00	0	0	0	100	0.00	0.0	12.081	0.000	0	0	1	1
4684121	PL.22610	C	Consumer	14.81Y	123.5	0.00	2.54	0.13	0	2	0	100	0.00	0.0	12.081	0.000	2	0	1	1
468440	PL.22643	C	Consumer	14.82Y	123.5	0.00	2.54	0.01	0	0	0	100	0.00	0.0	11.995	0.000	0	0	1	1
4684130	PL.22643	C	Consumer	14.82Y	123.5	0.00	2.54	0.01	0	0	0	100	0.00	0.0	11.995	0.000	0	0	1	1
4684170	PL.22642	C	Consumer	14.82Y	123.5	0.00	2.54	0.00	0	0	0	100	0.00	0.0	11.959	0.000	0	0	1	1
PL.21277	PL.21276	C	4ACSR	14.81Y	123.5	0.00	2.54	2.96	2	43	7	99	0.00	0.0	11.970	0.039	0	0	0	14
PL.21278	PL.21277	C	4ACSR	14.81Y	123.5	0.00	2.55	2.95	2	43	7	99	0.00	0.0	12.040	0.070	0	0	0	13
4684196	PL.21278	C	Consumer	14.81Y	123.5	0.00	2.55	0.00	0	0	0	100	0.00	0.0	12.040	0.000	0	0	0	0
4684164	PL.21278	C	Consumer	14.81Y	123.5	0.00	2.55	0.56	0	8	1	99	0.00	0.0	12.040	0.000	8	1	1	1
4684160	PL.21278	C	Consumer	14.81Y	123.5	0.00	2.55	0.12	0	2	0	100	0.00	0.0	12.040	0.000	2	0	1	1
4684215	PL.21278	C	Consumer	14.81Y	123.5	0.00	2.55	0.00	0	0	0	100	0.00	0.0	12.040	0.000	0	0	0	0
PL.21279	PL.21278	C	4ACSR	14.81Y	123.5	0.00	2.55	2.28	1	33	5	99	0.00	0.0	12.090	0.050	0	0	0	11
PL.21280	PL.21279	C	4ACSR	14.81Y	123.4	0.00	2.55	2.23	1	33	5	99	0.00	0.0	12.168	0.078	0	0	0	10
4684151	PL.21280	C	Consumer	14.81Y	123.4	0.00	2.55	0.24	0	4	1	97	0.00	0.0	12.168	0.000	4	1	1	1
4684155	PL.21280	C	Consumer	14.81Y	123.4	0.00	2.55	0.05	0	1	0	100	0.00	0.0	12.168	0.000	1	0	1	1
PL.21281	PL.21280	C	4ACSR	14.81Y	123.4	0.00	2.55	1.94	1	28	5	98	0.00	0.0	12.191	0.022	0	0	0	8
PL.21282	PL.21281	C	4ACSR	14.81Y	123.4	0.00	2.56	1.81	1	26	4	99	0.00	0.0	12.230	0.039	0	0	0	6
4685087	PL.21282	C	Consumer	14.81Y	123.4	0.00	2.56	0.55	0	8	1	99	0.00	0.0	12.230	0.000	8	1	1	1
468548	PL.21282	C	Consumer	14.81Y	123.4	0.00	2.56	0.00	0	0	0	100	0.00	0.0	12.230	0.000	0	0	1	1
468551	PL.21282	C	Consumer	14.81Y	123.4	0.00	2.56	0.47	0	7	1	99	0.00	0.0	12.230	0.000	7	1	1	1
PL.22652	PL.21282	C	4ACSR	14.81Y	123.4	0.00	2.56	0.79	0	12	2	99	0.00	0.0	12.260	0.030	0	0	0	3
468538	PL.22652	C	Consumer	14.81Y	123.4	0.00	2.56	0.02	0	0	0	100	0.00	0.0	12.260	0.000	0	0	1	1
468546	PL.22652	C	Consumer	14.81Y	123.4	0.00	2.56	0.68	0	10	2	98	0.00	0.0	12.260	0.000	10	2	1	1
468528	PL.22652	C	Consumer	14.81Y	123.4	0.00	2.56	0.09	0	1	0	100	0.00	0.0	12.260	0.000	1	0	1	1
468564	PL.21281	C	Consumer	14.81Y	123.4	0.00	2.55	0.06	0	1	0	100	0.00	0.0	12.191	0.000	1	0	1	1
468541	PL.21281	C	Consumer	14.81Y	123.4	0.00	2.55	0.07	0	1	0	100	0.00	0.0	12.191	0.000	1	0	1	1
PL.34965	PL.21279	C	2ACSR	14.81Y	123.5	0.00	2.55	0.05	0	1	0	100	0.00	0.0	12.128	0.038	0	0	0	1
4684211	PL.34965	C	Consumer	14.81Y	123.5	0.00	2.55	0.05	0	1	0	100	0.00	0.0	12.128	0.000	1	0	1	1
4684156	PL.21277	C	Consumer	14.81Y	123.5	0.00	2.54	0.01	0	0	0	100	0.00	0.0	11.970	0.000	0	0	1	1
4684166	PL.21464	C	Consumer	14.82Y	123.5	0.00	2.53	0.34	0	5	1	98	0.00	0.0	11.873	0.000	5	1	1	1
468471	PL.21464	C	Consumer	14.82Y	123.5	0.00	2.53	0.03	0	0	0	100	0.00	0.0	11.873	0.000	0	0	1	1
468457	PL.21464	C	Consumer	14.82Y	123.5	0.00	2.53	0.16	0	2	0	100	0.00	0.0	11.873	0.000	2	0	1	1
PL.21602	PL.28200	A	4ACSR	14.29Y	119.1	0.00	6.89	17.09	9	241	39	99	0.00	0.0	11.839	0.006	0	0	0	85
PL.46103	PL.21602	A	4ACSR	14.29Y	119.1	0.01	6.90	17.09	9	241	39	99	0.01	0.0	11.855	0.016	0	0	0	85

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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.8722-A	PL.46103	A	Closed	14.29Y	119.1	0.00	6.90	17.09	0	241	39	99	0.00	0.0	11.855	0.000	0	0	0	85
PD.8722-B	PD.8722-A	A	Closed	14.29Y	119.1	0.00	6.90	17.09	0	241	39	99	0.00	0.0	11.855	0.000	0	0	0	85
PL.46104	PD.8722-B	A	4ACSR	14.29Y	119.1	0.02	6.92	17.09	9	241	39	99	0.03	0.0	11.900	0.045	0	0	0	85
PL.28597	PL.46104	A	4ACSR	14.29Y	119.1	0.01	6.92	17.09	9	241	39	99	0.01	0.0	11.921	0.020	0	0	0	85
PL.21283	PL.28597	A	4ACSR	14.29Y	119.1	0.00	6.93	17.09	9	241	39	99	0.01	0.0	11.934	0.013	0	0	0	85
4684175	PL.21283	A	Consumer	14.29Y	119.1	0.00	6.93	0.00	0	0	0	100	0.00	0.0	11.934	0.000	0	0	1	1
PL.21284	PL.21283	A	4ACSR	14.28Y	119.0	0.03	6.96	16.70	9	235	38	99	0.06	0.0	12.028	0.094	0	0	0	77
PL.22630	PL.21284	A	4ACSR	14.28Y	119.0	0.00	6.96	1.19	1	17	3	98	0.00	0.0	12.111	0.083	0	0	0	5
468490	PL.22630	A	Consumer	14.28Y	119.0	0.00	6.96	0.01	0	0	0	100	0.00	0.0	12.111	0.000	0	0	1	1
4684145	PL.22630	A	Consumer	14.28Y	119.0	0.00	6.96	0.43	0	6	1	99	0.00	0.0	12.111	0.000	6	1	1	1
468478	PL.22630	A	Consumer	14.28Y	119.0	0.00	6.96	0.66	0	9	2	98	0.00	0.0	12.111	0.000	9	2	1	1
PL.22631	PL.22630	A	4ACSR	14.28Y	119.0	0.00	6.96	0.09	0	1	0	100	0.00	0.0	12.129	0.018	0	0	0	2
468477	PL.22631	A	Consumer	14.28Y	119.0	0.00	6.96	0.04	0	1	0	100	0.00	0.0	12.129	0.000	1	0	1	1
468479	PL.22631	A	Consumer	14.28Y	119.0	0.00	6.96	0.05	0	1	0	100	0.00	0.0	12.129	0.000	1	0	1	1
PL.21291	PL.21284	A	4ACSR	14.28Y	119.0	0.01	6.98	14.57	8	205	34	99	0.02	0.0	12.071	0.043	0	0	0	70
PL.22635	PL.21291	A	4ACSR	14.28Y	119.0	0.00	6.98	0.32	0	4	1	97	0.00	0.0	12.102	0.030	0	0	0	4
4684147	PL.22635	A	Consumer	14.28Y	119.0	0.00	6.98	0.16	0	2	0	100	0.00	0.0	12.102	0.000	2	0	1	1
468488	PL.22635	A	Consumer	14.28Y	119.0	0.00	6.98	0.02	0	0	0	100	0.00	0.0	12.102	0.000	0	0	1	1
PL.22636	PL.22635	A	4ACSR	14.28Y	119.0	0.00	6.98	0.13	0	2	0	100	0.00	0.0	12.143	0.041	0	0	0	2
4684104	PL.22636	A	Consumer	14.28Y	119.0	0.00	6.98	0.13	0	2	0	100	0.00	0.0	12.143	0.000	2	0	1	1
4684102	PL.22636	A	Consumer	14.28Y	119.0	0.00	6.98	0.00	0	0	0	100	0.00	0.0	12.143	0.000	0	0	1	1
468486	PL.21291	A	Consumer	14.28Y	119.0	0.00	6.98	0.13	0	2	0	100	0.00	0.0	12.071	0.000	2	0	1	1
PL.21292	PL.21291	A	4ACSR	14.28Y	119.0	0.01	6.98	14.13	7	199	32	99	0.01	0.0	12.092	0.021	0	0	0	65
PL.22634	PL.21292	A	4ACSR	14.28Y	119.0	0.02	7.00	11.35	6	160	26	99	0.02	0.0	12.166	0.074	0	0	0	62
PL.21293	PL.22634	A	4ACSR	14.28Y	119.0	0.01	7.01	10.48	5	148	24	99	0.01	0.0	12.220	0.054	0	0	0	57
468444	PL.21293	A	Consumer	14.28Y	119.0	0.00	7.01	0.00	0	0	0	100	0.00	0.0	12.220	0.000	0	0	1	1
4684137	PL.21293	A	Consumer	14.28Y	119.0	0.00	7.01	0.36	0	5	1	98	0.00	0.0	12.220	0.000	5	1	1	1
468499	PL.21293	A	Consumer	14.28Y	119.0	0.00	7.01	0.57	0	8	1	99	0.00	0.0	12.220	0.000	8	1	1	1
468448	PL.21293	A	Consumer	14.28Y	119.0	0.00	7.01	0.05	0	1	0	100	0.00	0.0	12.220	0.000	1	0	1	1
4684171	PL.21293	A	Consumer	14.28Y	119.0	0.00	7.01	0.03	0	0	0	100	0.00	0.0	12.220	0.000	0	0	1	1
PL.22736	PL.21293	A	4ACSR	14.28Y	119.0	0.00	7.02	5.12	3	72	12	99	0.00	0.0	12.255	0.035	0	0	0	28
PL.22737	PL.22736	A	4ACSR	14.28Y	119.0	0.00	7.02	5.05	3	71	12	99	0.00	0.0	12.285	0.030	0	0	0	27
PL.21526	PL.22737	A	4ACSR	14.28Y	119.0	0.00	7.02	5.05	3	71	12	99	0.00	0.0	12.312	0.027	0	0	0	27
4684136	PL.21526	A	Consumer	14.28Y	119.0	0.00	7.02	0.38	0	5	1	98	0.00	0.0	12.312	0.000	5	1	1	1
4684113	PL.21526	A	Consumer	14.28Y	119.0	0.00	7.02	0.13	0	2	0	100	0.00	0.0	12.312	0.000	2	0	1	1
468458	PL.21526	A	Consumer	14.28Y	119.0	0.00	7.02	0.42	0	6	1	99	0.00	0.0	12.312	0.000	6	1	1	1
PL.22661	PL.21526	A	4ACSR	14.28Y	119.0	0.00	7.03	4.12	2	58	9	99	0.00	0.0	12.345	0.033	0	0	0	24
468459	PL.22661	A	Consumer	14.28Y	119.0	0.00	7.03	0.22	0	3	1	95	0.00	0.0	12.345	0.000	3	1	1	1

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
4684202	PL.22661	A	Consumer	14.28Y	119.0	0.00	7.03	0.04	0	1	0	100	0.00	0.0	12.345	0.000	1	0	1	1
4684148	PL.22661	A	Consumer	14.28Y	119.0	0.00	7.03	0.00	0	0	0	100	0.00	0.0	12.345	0.000	0	0	1	1
4684135	PL.22661	A	Consumer	14.28Y	119.0	0.00	7.03	0.00	0	0	0	100	0.00	0.0	12.345	0.000	0	0	0	0
PL.22660	PL.22661	A	4ACSR	14.28Y	119.0	0.00	7.03	3.86	2	54	9	99	0.00	0.0	12.366	0.021	0	0	0	21
PL.22662	PL.22660	A	4ACSR	14.28Y	119.0	0.00	7.03	3.66	2	52	8	99	0.00	0.0	12.400	0.034	0	0	0	19
PL.22044	PL.22662	A	4ACSR	14.28Y	119.0	0.00	7.03	3.25	2	46	7	99	0.00	0.0	12.404	0.004	0	0	0	17
PD.1523	PL.22044	A	fuse6AMP	14.28Y	119.0	0.00	7.03	3.25	56	46	7	99	0.00	0.0	12.404	0.000	0	0	0	17
PL.22045	PD.1523	A	4ACSR	14.28Y	119.0	0.00	7.03	3.25	2	46	7	99	0.00	0.0	12.421	0.017	0	0	0	17
PL.22726	PL.22045	A	4ACSR	14.28Y	119.0	0.00	7.03	0.90	0	13	2	99	0.00	0.0	12.430	0.009	0	0	0	6
4684192	PL.22726	A	Consumer	14.28Y	119.0	0.00	7.03	0.05	0	1	0	100	0.00	0.0	12.430	0.000	1	0	1	1
PL.22776	PL.22726	A	4ACSR	14.28Y	119.0	0.00	7.03	0.85	0	12	2	99	0.00	0.0	12.468	0.037	0	0	0	5
4684194	PL.22776	A	Consumer	14.28Y	119.0	0.00	7.03	0.28	0	4	1	97	0.00	0.0	12.468	0.000	4	1	1	1
4684187	PL.22776	A	Consumer	14.28Y	119.0	0.00	7.03	0.51	0	7	1	99	0.00	0.0	12.468	0.000	7	1	1	1
4684188	PL.22776	A	Consumer	14.28Y	119.0	0.00	7.03	0.02	0	0	0	100	0.00	0.0	12.468	0.000	0	0	1	1
PL.22644	PL.22776	A	4ACSR	14.28Y	119.0	0.00	7.03	0.04	0	1	0	100	0.00	0.0	12.507	0.040	0	0	0	2
4684193	PL.22644	A	Consumer	14.28Y	119.0	0.00	7.03	0.04	0	1	0	100	0.00	0.0	12.507	0.000	1	0	1	1
4684204	PL.22644	A	Consumer	14.28Y	119.0	0.00	7.03	0.00	0	0	0	100	0.00	0.0	12.507	0.000	0	0	1	1
PL.22723	PL.22045	A	4ACSR	14.28Y	119.0	0.00	7.03	2.35	1	33	5	99	0.00	0.0	12.451	0.030	0	0	0	11
PL.22777	PL.22723	A	4ACSR	14.28Y	119.0	0.00	7.03	1.15	1	16	3	98	0.00	0.0	12.486	0.035	0	0	0	4
PL.39424	PL.22777	A	4ACSR	14.28Y	119.0	0.00	7.03	1.15	1	16	3	98	0.00	0.0	12.487	0.001	0	0	0	4
4684210	PL.39424	A	Consumer	14.28Y	119.0	0.00	7.03	0.81	0	11	2	98	0.00	0.0	12.487	0.000	11	2	1	1
PL.39425	PL.39424	A	4ACSR	14.28Y	119.0	0.00	7.03	0.34	0	5	1	98	0.00	0.0	12.521	0.035	0	0	0	3
PL.39423	PL.39425	A	4ACSR	14.28Y	119.0	0.00	7.03	0.28	0	4	1	97	0.00	0.0	12.549	0.028	0	0	0	1
4684191	PL.39423	A	Consumer	14.28Y	119.0	0.00	7.03	0.28	0	4	1	97	0.00	0.0	12.549	0.000	4	1	1	1
4684190	PL.39425	A	Consumer	14.28Y	119.0	0.00	7.03	0.02	0	0	0	100	0.00	0.0	12.521	0.000	0	0	1	1
4684183	PL.39425	A	Consumer	14.28Y	119.0	0.00	7.03	0.04	0	1	0	100	0.00	0.0	12.521	0.000	1	0	1	1
PL.22724	PL.22723	A	4ACSR	14.28Y	119.0	0.00	7.03	1.20	1	17	3	98	0.00	0.0	12.491	0.040	0	0	0	5
PL.22725	PL.22724	A	4ACSR	14.28Y	119.0	0.00	7.03	0.98	1	14	2	99	0.00	0.0	12.504	0.014	0	0	0	2
PL.21455	PL.22725	A	4ACSR	14.28Y	119.0	0.00	7.04	0.98	1	14	2	99	0.00	0.0	12.527	0.023	0	0	0	2
PD.1524	PL.21455	A	fuse6AMP	14.28Y	119.0	0.00	7.04	0.98	17	14	2	99	0.00	0.0	12.527	0.000	0	0	0	2
PL.21456	PD.1524	A	4ACSR	14.28Y	119.0	0.00	7.04	0.98	1	14	2	99	0.00	0.0	12.552	0.025	0	0	0	2
PL.23188	PL.21456	A	4ACSR	14.28Y	119.0	0.00	7.04	0.00	0	0	0	100	0.00	0.0	12.586	0.034	0	0	0	0
PL.36484	PL.23188	A	2ACSR	14.28Y	119.0	0.00	7.04	0.00	0	0	0	100	0.00	0.0	12.630	0.044	0	0	0	0
PL.36672	PL.36484	A	2ACSR	14.28Y	119.0	0.00	7.04	0.00	0	0	0	100	0.00	0.0	12.826	0.196	0	0	0	0
PL.44308	PL.36672	A	2ACSR	14.28Y	119.0	0.00	7.04	0.00	0	0	0	100	0.00	0.0	12.883	0.057	0	0	0	0
4675002	PL.44308	A	Consumer	14.28Y	119.0	0.00	7.04	0.00	0	0	0	100	0.00	0.0	12.883	0.000	0	0	0	0
4675003	PL.44308	A	Consumer	14.28Y	119.0	0.00	7.04	0.00	0	0	0	100	0.00	0.0	12.883	0.000	0	0	0	0
PL.45888	PL.44308	A	2ACSR	14.28Y	119.0	0.00	7.04	0.00	0	0	0	100	0.00	0.0	12.931	0.048	0	0	0	0

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Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.45889	PL.45888	A	2ACSR	14.28Y	119.0	0.00	7.04	0.00	0	0	0	100	0.00	0.0	13.000	0.069	0	0	0	0
4675001	PL.36672	A	Consumer	14.28Y	119.0	0.00	7.04	0.00	0	0	0	100	0.00	0.0	12.826	0.000	0	0	0	0
PL.36483	PL.36484	A	2ACSR	14.28Y	119.0	0.00	7.04	0.00	0	0	0	100	0.00	0.0	12.818	0.187	0	0	0	0
PL.22779	PL.21456	A	4ACSR	14.28Y	119.0	0.00	7.04	0.98	1	14	2	99	0.00	0.0	12.661	0.109	0	0	0	2
PL.28666	PL.22779	A	4ACSR	14.28Y	119.0	0.00	7.04	0.96	0	14	2	99	0.00	0.0	12.712	0.051	0	0	0	1
4684209	PL.28666	A	Consumer	14.28Y	119.0	0.00	7.04	0.96	0	14	2	99	0.00	0.0	12.712	0.000	14	2	1	1
PL.22780	PL.22779	A	4ACSR	14.28Y	119.0	0.00	7.04	0.02	0	0	0	100	0.00	0.0	12.743	0.082	0	0	0	1
4684207	PL.22780	A	Consumer	14.28Y	119.0	0.00	7.04	0.02	0	0	0	100	0.00	0.0	12.743	0.000	0	0	1	1
PL.23189	PL.21456	A	4ACSR	14.28Y	119.0	0.00	7.04	0.00	0	0	0	100	0.00	0.0	12.567	0.015	0	0	0	0
468552	PL.22724	A	Consumer	14.28Y	119.0	0.00	7.03	0.00	0	0	0	100	0.00	0.0	12.491	0.000	0	0	1	1
4684182	PL.22724	A	Consumer	14.28Y	119.0	0.00	7.03	0.00	0	0	0	100	0.00	0.0	12.491	0.000	0	0	0	0
4684184	PL.22724	A	Consumer	14.28Y	119.0	0.00	7.03	0.18	0	3	0	100	0.00	0.0	12.491	0.000	3	0	1	1
PL.28664	PL.22724	A	4ACSR	14.28Y	119.0	0.00	7.03	0.03	0	0	0	100	0.00	0.0	12.519	0.028	0	0	0	1
468554	PL.28664	A	Consumer	14.28Y	119.0	0.00	7.03	0.03	0	0	0	100	0.00	0.0	12.519	0.000	0	0	1	1
468577	PL.28664	A	Consumer	14.28Y	119.0	0.00	7.03	0.00	0	0	0	100	0.00	0.0	12.519	0.000	0	0	0	0
4684201	PL.22723	A	Consumer	14.28Y	119.0	0.00	7.03	0.00	0	0	0	100	0.00	0.0	12.451	0.000	0	0	1	1
4684200	PL.22723	A	Consumer	14.28Y	119.0	0.00	7.03	0.00	0	0	0	100	0.00	0.0	12.451	0.000	0	0	0	0
4684181	PL.22723	A	Consumer	14.28Y	119.0	0.00	7.03	0.01	0	0	0	100	0.00	0.0	12.451	0.000	0	0	1	1
4684203	PL.22662	A	Consumer	14.28Y	119.0	0.00	7.03	0.01	0	0	0	100	0.00	0.0	12.400	0.000	0	0	1	1
4684180	PL.22662	A	Consumer	14.28Y	119.0	0.00	7.03	0.39	0	6	1	99	0.00	0.0	12.400	0.000	6	1	1	1
4684150	PL.22660	A	Consumer	14.28Y	119.0	0.00	7.03	0.00	0	0	0	100	0.00	0.0	12.366	0.000	0	0	0	0
4684162	PL.22660	A	Consumer	14.28Y	119.0	0.00	7.03	0.09	0	1	0	100	0.00	0.0	12.366	0.000	1	0	1	1
4684143	PL.22660	A	Consumer	14.28Y	119.0	0.00	7.03	0.11	0	1	0	100	0.00	0.0	12.366	0.000	1	0	1	1
4684144	PL.22736	A	Consumer	14.28Y	119.0	0.00	7.02	0.07	0	1	0	100	0.00	0.0	12.255	0.000	1	0	1	1
PL.23627	PL.21293	A	4ACSR	14.28Y	119.0	0.00	7.01	0.43	0	6	1	99	0.00	0.0	12.300	0.080	0	0	0	3
4684122	PL.23627	A	Consumer	14.28Y	119.0	0.00	7.01	0.00	0	0	0	100	0.00	0.0	12.300	0.000	0	0	1	1
468492	PL.23627	A	Consumer	14.28Y	119.0	0.00	7.01	0.37	0	5	1	98	0.00	0.0	12.300	0.000	5	1	1	1
4684128	PL.23627	A	Consumer	14.28Y	119.0	0.00	7.01	0.00	0	0	0	100	0.00	0.0	12.300	0.000	0	0	0	0
4684154	PL.23627	A	Consumer	14.28Y	119.0	0.00	7.01	0.06	0	1	0	100	0.00	0.0	12.300	0.000	1	0	1	1
PL.22632	PL.21293	A	4ACSR	14.28Y	119.0	0.00	7.02	3.91	2	55	9	99	0.00	0.0	12.256	0.036	0	0	0	21
468460	PL.22632	A	Consumer	14.28Y	119.0	0.00	7.02	0.97	0	14	2	99	0.00	0.0	12.256	0.000	14	2	1	1
PL.22633	PL.22632	A	4ACSR	14.28Y	119.0	0.00	7.02	2.94	2	41	7	99	0.00	0.0	12.298	0.042	0	0	0	20
PL.22658	PL.22633	A	4ACSR	14.28Y	119.0	0.00	7.02	1.86	1	26	4	99	0.00	0.0	12.366	0.067	0	0	0	14
PL.23628	PL.22658	A	4ACSR	14.28Y	119.0	0.00	7.02	0.90	0	13	2	99	0.00	0.0	12.402	0.036	0	0	0	7
4684179	PL.23628	A	Consumer	14.28Y	119.0	0.00	7.02	0.05	0	1	0	100	0.00	0.0	12.402	0.000	1	0	1	1
468453	PL.23628	A	Consumer	14.28Y	119.0	0.00	7.02	0.00	0	0	0	100	0.00	0.0	12.402	0.000	0	0	0	0
4684163	PL.23628	A	Consumer	14.28Y	119.0	0.00	7.02	0.01	0	0	0	100	0.00	0.0	12.402	0.000	0	0	1	1
4684129	PL.23628	A	Consumer	14.28Y	119.0	0.00	7.02	0.01	0	0	0	100	0.00	0.0	12.402	0.000	0	0	1	1

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
468452	PL.23628	A	Consumer	14.28Y	119.0	0.00	7.02	0.06	0	1	0	100	0.00	0.0	12.402	0.000	1	0	1	1
PL.23190	PL.23628	A	4ACSR	14.28Y	119.0	0.00	7.02	0.78	0	11	2	98	0.00	0.0	12.430	0.028	0	0	0	3
4684169	PL.23190	A	Consumer	14.28Y	119.0	0.00	7.02	0.40	0	6	1	99	0.00	0.0	12.430	0.000	6	1	1	1
468451	PL.23190	A	Consumer	14.28Y	119.0	0.00	7.02	0.02	0	0	0	100	0.00	0.0	12.430	0.000	0	0	1	1
468466	PL.23190	A	Consumer	14.28Y	119.0	0.00	7.02	0.35	0	5	1	98	0.00	0.0	12.430	0.000	5	1	1	1
468496	PL.22658	A	Consumer	14.28Y	119.0	0.00	7.02	0.05	0	1	0	100	0.00	0.0	12.366	0.000	1	0	1	1
468468	PL.22658	A	Consumer	14.28Y	119.0	0.00	7.02	0.01	0	0	0	100	0.00	0.0	12.366	0.000	0	0	1	1
468487	PL.22658	A	Consumer	14.28Y	119.0	0.00	7.02	0.07	0	1	0	100	0.00	0.0	12.366	0.000	1	0	1	1
PL.22659	PL.22658	A	4ACSR	14.28Y	119.0	0.00	7.02	0.84	0	12	2	99	0.00	0.0	12.391	0.025	0	0	0	4
468456	PL.22659	A	Consumer	14.28Y	119.0	0.00	7.02	0.26	0	4	1	97	0.00	0.0	12.391	0.000	4	1	1	1
4684103	PL.22659	A	Consumer	14.28Y	119.0	0.00	7.02	0.57	0	8	1	99	0.00	0.0	12.391	0.000	8	1	1	1
468445	PL.22659	A	Consumer	14.28Y	119.0	0.00	7.02	0.00	0	0	0	100	0.00	0.0	12.391	0.000	0	0	1	1
4684100	PL.22659	A	Consumer	14.28Y	119.0	0.00	7.02	0.00	0	0	0	100	0.00	0.0	12.391	0.000	0	0	1	1
4684197	PL.22633	A	Consumer	14.28Y	119.0	0.00	7.02	0.44	0	6	1	99	0.00	0.0	12.298	0.000	6	1	1	1
4684208	PL.22633	A	Consumer	14.28Y	119.0	0.00	7.02	0.46	0	6	1	99	0.00	0.0	12.298	0.000	6	1	1	1
468461	PL.22633	A	Consumer	14.28Y	119.0	0.00	7.02	0.01	0	0	0	100	0.00	0.0	12.298	0.000	0	0	1	1
4684108	PL.22633	A	Consumer	14.28Y	119.0	0.00	7.02	0.18	0	3	0	100	0.00	0.0	12.298	0.000	3	0	1	1
468450	PL.22633	A	Consumer	14.28Y	119.0	0.00	7.02	0.00	0	0	0	100	0.00	0.0	12.298	0.000	0	0	1	1
468465	PL.22633	A	Consumer	14.28Y	119.0	0.00	7.02	0.00	0	0	0	100	0.00	0.0	12.298	0.000	0	0	1	1
468481	PL.22634	A	Consumer	14.28Y	119.0	0.00	7.00	0.30	0	4	1	97	0.00	0.0	12.166	0.000	4	1	1	1
4684118	PL.22634	A	Consumer	14.28Y	119.0	0.00	7.00	0.01	0	0	0	100	0.00	0.0	12.166	0.000	0	0	1	1
468484	PL.22634	A	Consumer	14.28Y	119.0	0.00	7.00	0.03	0	0	0	100	0.00	0.0	12.166	0.000	0	0	1	1
4684119	PL.22634	A	Consumer	14.28Y	119.0	0.00	7.00	0.52	0	7	1	99	0.00	0.0	12.166	0.000	7	1	1	1
468443	PL.22634	A	Consumer	14.28Y	119.0	0.00	7.00	0.01	0	0	0	100	0.00	0.0	12.166	0.000	0	0	1	1
468495	PL.21292	A	Consumer	14.28Y	119.0	0.00	6.98	1.23	0	17	3	98	0.00	0.0	12.092	0.000	17	3	1	1
4684174	PL.21292	A	Consumer	14.28Y	119.0	0.00	6.98	0.10	0	1	0	100	0.00	0.0	12.092	0.000	1	0	1	1
468498	PL.21292	A	Consumer	14.28Y	119.0	0.00	6.98	1.45	0	20	3	99	0.00	0.0	12.092	0.000	20	3	1	1
468402	PL.21284	A	Consumer	14.28Y	119.0	0.00	6.96	0.35	0	5	1	98	0.00	0.0	12.028	0.000	5	1	1	1
4684111	PL.21284	A	Consumer	14.28Y	119.0	0.00	6.96	0.59	0	8	1	99	0.00	0.0	12.028	0.000	8	1	1	1
PL.22619	PL.21283	A	4ACSR	14.29Y	119.1	0.00	6.93	0.39	0	6	1	99	0.00	0.0	11.974	0.040	0	0	0	7
PL.22620	PL.22619	A	4ACSR	14.29Y	119.1	0.00	6.93	0.38	0	5	1	98	0.00	0.0	12.025	0.050	0	0	0	3
468475	PL.22620	A	Consumer	14.29Y	119.1	0.00	6.93	0.27	0	4	1	97	0.00	0.0	12.025	0.000	4	1	1	1
4684139	PL.22620	A	Consumer	14.29Y	119.1	0.00	6.93	0.00	0	0	0	100	0.00	0.0	12.025	0.000	0	0	1	1
4684159	PL.22620	A	Consumer	14.29Y	119.1	0.00	6.93	0.00	0	0	0	100	0.00	0.0	12.025	0.000	0	0	0	0
468493	PL.22620	A	Consumer	14.29Y	119.1	0.00	6.93	0.11	0	2	0	100	0.00	0.0	12.025	0.000	2	0	1	1
4684176	PL.22619	A	Consumer	14.29Y	119.1	0.00	6.93	0.00	0	0	0	100	0.00	0.0	11.974	0.000	0	0	1	1
4684153	PL.22619	A	Consumer	14.29Y	119.1	0.00	6.93	0.01	0	0	0	100	0.00	0.0	11.974	0.000	0	0	1	1
4684125	PL.22619	A	Consumer	14.29Y	119.1	0.00	6.93	0.00	0	0	0	100	0.00	0.0	11.974	0.000	0	0	1	1

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
4684195	PL.22619	A	Consumer	14.29Y	119.1	0.00	6.93	0.00	0	0	0	100	0.00	0.0	11.974	0.000	0	0	1	1	
PL.40960	PL.41469	C	2ACSR	14.82Y	123.5	0.00	2.53	0.98	0	14	2	99	0.00	0.0	11.829	0.077	0	0	0	1	
4684214	PL.40960	C	Consumer	14.82Y	123.5	0.00	2.53	0.98	0	14	2	99	0.00	0.0	11.829	0.000	14	2	1	1	
468414	PL.41469	B	Consumer	14.96Y	124.7	0.00	1.33	0.29	0	4	1	97	0.00	0.0	11.752	0.000	4	1	1	1	
468415	PL.41469	B	Consumer	14.96Y	124.7	0.00	1.33	0.00	0	0	0	100	0.00	0.0	11.752	0.000	0	0	0	0	
468469	PL.46100	A	Consumer	14.30Y	119.2	0.00	6.84	0.05	0	1	0	100	0.00	0.0	11.673	0.000	1	0	1	1	
468455	PL.46100	B	Consumer	14.96Y	124.7	0.00	1.32	0.00	0	0	0	100	0.00	0.0	11.673	0.000	0	0	0	0	
PL.41452	PL.41182	C	1/0ACSR	14.82Y	123.5	0.00	2.52	4.02	1	59	10	99	0.00	0.0	11.611	0.006	0	0	0	11	
PD.7443	PL.41452	C	fuse6AMP	14.82Y	123.5	0.00	2.52	4.02	69	59	10	99	0.00	0.0	11.611	0.000	0	0	0	11	
PL.41453	PD.7443	C	1/0ACSR	14.82Y	123.5	0.00	2.52	4.02	1	59	10	99	0.00	0.0	11.637	0.026	0	0	0	11	
PL.23623	PL.41453	C	4ACSR	14.82Y	123.5	0.00	2.52	2.33	1	34	6	98	0.00	0.0	11.690	0.053	0	0	0	9	
PL.22611	PL.23623	C	4ACSR	14.82Y	123.5	0.00	2.52	2.05	1	30	5	99	0.00	0.0	11.721	0.030	0	0	0	8	
468417	PL.22611	C	Consumer	14.82Y	123.5	0.00	2.52	0.90	0	13	2	99	0.00	0.0	11.721	0.000	13	2	1	1	
PL.23624	PL.22611	C	4ACSR	14.82Y	123.5	0.00	2.52	0.32	0	5	1	98	0.00	0.0	11.773	0.052	0	0	0	1	
4684133	PL.23624	C	Consumer	14.82Y	123.5	0.00	2.52	0.32	0	5	1	98	0.00	0.0	11.773	0.000	5	1	1	1	
4684134	PL.23624	C	Consumer	14.82Y	123.5	0.00	2.52	0.00	0	0	0	100	0.00	0.0	11.773	0.000	0	0	0	0	
PL.22612	PL.22611	C	4ACSR	14.82Y	123.5	0.00	2.52	0.83	0	12	2	99	0.00	0.0	11.758	0.037	0	0	0	6	
468423	PL.22612	C	Consumer	14.82Y	123.5	0.00	2.52	0.01	0	0	0	100	0.00	0.0	11.758	0.000	0	0	1	1	
468432	PL.22612	C	Consumer	14.82Y	123.5	0.00	2.52	0.21	0	3	1	95	0.00	0.0	11.758	0.000	3	1	1	1	
4684189	PL.22612	C	Consumer	14.82Y	123.5	0.00	2.52	0.21	0	3	1	95	0.00	0.0	11.758	0.000	3	1	1	1	
468418	PL.22612	C	Consumer	14.82Y	123.5	0.00	2.52	0.40	0	6	1	99	0.00	0.0	11.758	0.000	6	1	1	1	
4684146	PL.22612	C	Consumer	14.82Y	123.5	0.00	2.52	0.00	0	0	0	100	0.00	0.0	11.758	0.000	0	0	1	1	
4684206	PL.22612	C	Consumer	14.82Y	123.5	0.00	2.52	0.00	0	0	0	100	0.00	0.0	11.758	0.000	0	0	1	1	
4684132	PL.23623	C	Consumer	14.82Y	123.5	0.00	2.52	0.28	0	4	1	97	0.00	0.0	11.690	0.000	4	1	1	1	
469417	PL.41453	C	Consumer	14.82Y	123.5	0.00	2.52	0.00	0	0	0	100	0.00	0.0	11.637	0.000	0	0	0	0	
4684152	PL.41453	C	Consumer	14.82Y	123.5	0.00	2.52	1.12	0	16	3	98	0.00	0.0	11.637	0.000	16	3	1	1	
4684205	PL.41453	C	Consumer	14.82Y	123.5	0.00	2.52	0.57	0	8	1	99	0.00	0.0	11.637	0.000	8	1	1	1	
PL.41448	PL.41182	A	1/0ACSR	14.30Y	119.2	0.00	6.82	3.37	1	48	-7	-99	0.00	0.0	11.671	0.066	0	0	0	10	
P		B		14.96Y	124.7	-0.00	1.31	1.08	0	0	-16	-3					0	0	0	2	P
		C		14.82Y	123.5	0.00	2.52	4.29	1	63	-7	-99					0	0	0	21	
PL.41461	PL.41448	A	1/0ACSR	14.30Y	119.2	0.00	6.83	3.37	1	48	-7	-99	0.01	0.0	12.009	0.338	0	0	0	10	
P		B		14.96Y	124.7	-0.00	1.30	-1.09	0	0	-16	0					0	0	0	0	P
		C		14.82Y	123.5	0.01	2.54	4.29	1	63	-7	-99					0	0	0	21	
PL.41463	PL.41461	C	2ACSR	14.82Y	123.5	0.00	2.54	4.22	2	62	10	99	0.00	0.0	12.030	0.022	0	0	0	20	
PL.21289	PL.41463	C	4ACSR	14.82Y	123.5	0.00	2.54	3.20	2	47	8	99	0.00	0.0	12.073	0.042	0	0	0	17	
PL.22645	PL.21289	C	4ACSR	14.82Y	123.5	0.00	2.54	1.03	1	15	2	99	0.00	0.0	12.117	0.044	0	0	0	2	
PL.22646	PL.22645	C	4ACSR	14.82Y	123.5	0.00	2.54	1.03	1	15	2	99	0.00	0.0	12.145	0.028	0	0	0	2	
4684124	PL.22646	C	Consumer	14.82Y	123.5	0.00	2.54	0.64	0	9	2	98	0.00	0.0	12.145	0.000	9	2	1	1	
4684161	PL.22646	C	Consumer	14.82Y	123.5	0.00	2.54	0.39	0	6	1	99	0.00	0.0	12.145	0.000	6	1	1	1	
PL.21098	PL.21289	C	4ACSR	14.82Y	123.5	0.00	2.54	2.17	1	32	5	99	0.00	0.0	12.080	0.007	0	0	0	15	

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Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.20537	PL.21098	C	4ACSR	14.82Y	123.5	0.00	2.54	2.17	1	32	5	99	0.00	0.0	12.099	0.019	0	0	0	15
4684198	PL.20537	C	Consumer	14.82Y	123.5	0.00	2.54	0.01	0	0	0	100	0.00	0.0	12.099	0.000	0	0	1	1
4684178	PL.20537	C	Consumer	14.82Y	123.5	0.00	2.54	0.72	0	11	2	98	0.00	0.0	12.099	0.000	11	2	1	1
468473	PL.20537	C	Consumer	14.82Y	123.5	0.00	2.54	0.04	0	1	0	100	0.00	0.0	12.099	0.000	1	0	1	1
4684167	PL.20537	C	Consumer	14.82Y	123.5	0.00	2.54	0.00	0	0	0	100	0.00	0.0	12.099	0.000	0	0	0	0
PL.21290	PL.20537	C	4ACSR	14.81Y	123.5	0.00	2.54	1.41	1	21	3	99	0.00	0.0	12.153	0.054	0	0	0	12
PL.22617	PL.21290	C	4ACSR	14.81Y	123.5	0.00	2.54	0.40	0	6	1	99	0.00	0.0	12.202	0.048	0	0	0	6
PL.22616	PL.22617	C	4ACSR	14.81Y	123.5	0.00	2.54	0.40	0	6	1	99	0.00	0.0	12.251	0.049	0	0	0	4
468436	PL.22616	C	Consumer	14.81Y	123.5	0.00	2.54	0.05	0	1	0	100	0.00	0.0	12.251	0.000	1	0	1	1
468467	PL.22616	C	Consumer	14.81Y	123.5	0.00	2.54	0.29	0	4	1	97	0.00	0.0	12.251	0.000	4	1	1	1
468463	PL.22616	C	Consumer	14.81Y	123.5	0.00	2.54	0.05	0	1	0	100	0.00	0.0	12.251	0.000	1	0	1	1
4684177	PL.22616	C	Consumer	14.81Y	123.5	0.00	2.54	0.01	0	0	0	100	0.00	0.0	12.251	0.000	0	0	1	1
4684213	PL.22617	C	Consumer	14.81Y	123.5	0.00	2.54	0.00	0	0	0	100	0.00	0.0	12.202	0.000	0	0	1	1
468462	PL.22617	C	Consumer	14.81Y	123.5	0.00	2.54	0.00	0	0	0	100	0.00	0.0	12.202	0.000	0	0	1	1
4684116	PL.21290	C	Consumer	14.81Y	123.5	0.00	2.54	0.00	0	0	0	100	0.00	0.0	12.153	0.000	0	0	1	1
468476	PL.21290	C	Consumer	14.81Y	123.5	0.00	2.54	0.54	0	8	1	99	0.00	0.0	12.153	0.000	8	1	1	1
4684168	PL.21290	C	Consumer	14.81Y	123.5	0.00	2.54	0.42	0	6	1	99	0.00	0.0	12.153	0.000	6	1	1	1
468472	PL.21290	C	Consumer	14.81Y	123.5	0.00	2.54	0.02	0	0	0	100	0.00	0.0	12.153	0.000	0	0	1	1
4684157	PL.21290	C	Consumer	14.81Y	123.5	0.00	2.54	0.02	0	0	0	100	0.00	0.0	12.153	0.000	0	0	1	1
468485	PL.21290	C	Consumer	14.81Y	123.5	0.00	2.54	0.00	0	0	0	100	0.00	0.0	12.153	0.000	0	0	1	1
4684110	PL.41463	C	Consumer	14.82Y	123.5	0.00	2.54	0.04	0	1	0	100	0.00	0.0	12.030	0.000	1	0	1	1
468442	PL.41463	C	Consumer	14.82Y	123.5	0.00	2.54	0.12	0	2	0	100	0.00	0.0	12.030	0.000	2	0	1	1
468441	PL.41463	C	Consumer	14.82Y	123.5	0.00	2.54	0.86	0	13	2	99	0.00	0.0	12.030	0.000	13	2	1	1
PL.46016	PL.41461	A	4ACSR	14.30Y	119.2	0.00	6.83	3.37	2	48	8	99	0.00	0.0	12.016	0.008	0	0	0	10
PD.7445	PL.46016	A	fuse6AMP	14.30Y	119.2	0.00	6.83	3.37	58	48	8	99	0.00	0.0	12.016	0.000	0	0	0	10
PL.46017	PD.7445	A	4ACSR	14.30Y	119.2	0.00	6.83	3.37	2	48	8	99	0.00	0.0	12.025	0.009	0	0	0	10
PL.22627	PL.46017	A	4ACSR	14.30Y	119.2	0.00	6.83	1.36	1	19	3	99	0.00	0.0	12.081	0.056	0	0	0	5
468425	PL.22627	A	Consumer	14.30Y	119.2	0.00	6.83	0.03	0	0	0	100	0.00	0.0	12.081	0.000	0	0	1	1
PL.21287	PL.22627	A	4ACSR	14.30Y	119.2	0.00	6.83	1.33	1	19	3	99	0.00	0.0	12.106	0.026	0	0	0	4
468405	PL.21287	A	Consumer	14.30Y	119.2	0.00	6.83	0.31	0	4	1	97	0.00	0.0	12.106	0.000	4	1	1	1
PL.21288	PL.21287	A	4ACSR	14.30Y	119.2	0.00	6.83	0.74	0	10	2	98	0.00	0.0	12.145	0.039	0	0	0	2
468408	PL.21288	A	Consumer	14.30Y	119.2	0.00	6.83	0.36	0	5	1	98	0.00	0.0	12.145	0.000	5	1	1	1
468409	PL.21288	A	Consumer	14.30Y	119.2	0.00	6.83	0.37	0	5	1	98	0.00	0.0	12.145	0.000	5	1	1	1
PL.23626	PL.21287	A	4ACSR	14.30Y	119.2	0.00	6.83	0.29	0	4	1	97	0.00	0.0	12.140	0.034	0	0	0	1
468407	PL.23626	A	Consumer	14.30Y	119.2	0.00	6.83	0.29	0	4	1	97	0.00	0.0	12.140	0.000	4	1	1	1
PL.22628	PL.46017	A	4ACSR	14.30Y	119.2	0.00	6.83	1.45	1	20	3	99	0.00	0.0	12.067	0.042	0	0	0	2
468410	PL.22628	A	Consumer	14.30Y	119.2	0.00	6.83	0.27	0	4	1	97	0.00	0.0	12.067	0.000	4	1	1	1
PL.22629	PL.22628	A	4ACSR	14.30Y	119.2	0.00	6.83	1.18	1	17	3	98	0.00	0.0	12.135	0.068	0	0	0	1

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
	468404	PL.22629	A	Consumer	14.30Y	119.2	0.00	6.83	1.18	0	17	3	98	0.00	0.0	12.135	0.000	17	3	1	1	
	PL.21285	PL.46017	A	4ACSR	14.30Y	119.2	0.00	6.83	0.56	0	8	1	99	0.00	0.0	12.059	0.034	0	0	0	3	
	PL.21522	PL.21285	A	4ACSR	14.30Y	119.2	0.00	6.83	0.50	0	7	1	99	0.00	0.0	12.081	0.023	0	0	0	2	
	468406	PL.21522	A	Consumer	14.30Y	119.2	0.00	6.83	0.33	0	5	1	98	0.00	0.0	12.081	0.000	5	1	1	1	
	PL.21521	PL.21522	A	4ACSR	14.30Y	119.2	0.00	6.83	0.16	0	2	0	100	0.00	0.0	12.105	0.023	0	0	0	1	
	468424	PL.21521	A	Consumer	14.30Y	119.2	0.00	6.83	0.16	0	2	0	100	0.00	0.0	12.105	0.000	2	0	1	1	
	468411	PL.21285	A	Consumer	14.30Y	119.2	0.00	6.83	0.00	0	0	0	100	0.00	0.0	12.059	0.000	0	0	0	0	
	468413	PL.21285	A	Consumer	14.30Y	119.2	0.00	6.83	0.06	0	1	0	100	0.00	0.0	12.059	0.000	1	0	1	1	
P	PL.41462	PL.41461	A	1/0ACSR	14.30Y	119.2	-0.00	6.82	-1.04	0	0	-15	0	0.00	0.0	12.187	0.179	0	0	0	0	P
P			B		14.96Y	124.7	-0.00	1.30	-1.09	0	0	-16	0					0	0	0	0	P
P			C		14.82Y	123.5	-0.00	2.53	1.14	0	2	-17	-9					0	0	0	1	P
	PD.7446	PL.41462	A	fuse20AMP	14.30Y	119.2	0.00	6.82	-1.04	5	0	-15	0	0.00	0.0	12.187	0.000	0	0	0	0	
			B		14.96Y	124.7	0.00	1.30	-1.09	6	0	-16	0					0	0	0	0	
			C		14.82Y	123.5	0.00	2.53	1.14	6	2	-17	-9					0	0	0	1	
	PL.40421	PD.7446	A	1/0EPRJCN	14.30Y	119.2	-0.00	6.82	-1.04	1	0	-15	0	0.00	0.0	12.873	0.685	0	0	0	0	
P			B		14.96Y	124.7	-0.00	1.30	-1.09	1	0	-16	0					0	0	0	0	P
P			C		14.82Y	123.5	-0.00	2.53	1.14	1	2	-17	-9					0	0	0	1	P
	PL.40422	PL.40421	A	1/0EPRJCN	14.30Y	119.2	-0.00	6.82	-0.22	0	0	-3	0	0.00	0.0	13.058	0.185	0	0	0	0	
P			B		14.96Y	124.7	-0.00	1.30	-0.23	0	0	-3	0					0	0	0	0	P
P			C		14.82Y	123.5	-0.00	2.53	-0.23	0	0	-3	0					0	0	0	0	P
	4674003	PL.40422	A	Consumer	14.30Y	119.2	0.00	6.82	0.00	0	0	0	100	0.00	0.0	13.058	0.000	0	0	0	0	
			B		14.96Y	124.7	0.00	1.30	0.00	0	0	0	100					0	0	0	0	
			C		14.82Y	123.5	0.00	2.53	0.00	0	0	0	100					0	0	0	0	
	PL.40423	PL.40421	C	1/0EPRJCN	14.82Y	123.5	0.00	2.53	0.12	0	2	-1	-89	0.00	0.0	12.927	0.054	0	0	0	1	
	PL.40424	PL.40423	C	1/0EPRJCN	14.82Y	123.5	0.00	2.53	0.10	0	2	0	100	0.00	0.0	12.934	0.007	0	0	0	1	
	4674002	PL.40424	C	Consumer	14.82Y	123.5	0.00	2.53	0.00	0	0	0	100	0.00	0.0	12.934	0.000	0	0	0	0	
	4674001	PL.40424	C	Consumer	14.82Y	123.5	0.00	2.53	0.10	0	2	0	100	0.00	0.0	12.934	0.000	2	0	1	1	
	PL.41456	PL.41448	B	1/0ACSR	14.96Y	124.7	0.00	1.31	0.03	0	0	0	100	0.00	0.0	11.678	0.008	0	0	0	2	
	PD.1522	PL.41456	B	fuse6AMP	14.96Y	124.7	0.00	1.31	0.03	1	0	0	100	0.00	0.0	11.678	0.000	0	0	0	2	
	PL.41457	PD.1522	B	1/0ACSR	14.96Y	124.7	0.00	1.31	0.03	0	0	0	100	0.00	0.0	11.725	0.046	0	0	0	2	
	468421	PL.41457	B	Consumer	14.96Y	124.7	0.00	1.31	0.03	0	0	0	100	0.00	0.0	11.725	0.000	0	0	1	1	
	468420	PL.41457	B	Consumer	14.96Y	124.7	0.00	1.31	0.00	0	0	0	100	0.00	0.0	11.725	0.000	0	0	1	1	
	PL.41450	PL.41179	B	2ACSR	14.96Y	124.7	0.00	1.29	0.18	0	3	0	100	0.00	0.0	11.418	0.006	0	0	0	4	
	PD.7442	PL.41450	B	fuse6AMP	14.96Y	124.7	0.00	1.29	0.18	3	3	0	100	0.00	0.0	11.418	0.000	0	0	0	4	
	PL.41451	PD.7442	B	2ACSR	14.96Y	124.7	0.00	1.29	0.18	0	3	0	100	0.00	0.0	11.724	0.306	0	0	0	4	
	PL.19348	PL.41451	B	4ACSR	14.96Y	124.7	0.00	1.29	0.18	0	3	0	100	0.00	0.0	11.846	0.122	0	0	0	4	
	469403	PL.19348	B	Consumer	14.96Y	124.7	0.00	1.29	0.03	0	0	0	100	0.00	0.0	11.846	0.000	0	0	1	1	
	PL.23168	PL.19348	B	4ACSR	14.96Y	124.7	0.00	1.29	0.15	0	2	0	100	0.00	0.0	11.970	0.124	0	0	0	3	
	PL.21690	PL.23168	B	4ACSR	14.96Y	124.7	0.00	1.29	0.15	0	2	0	100	0.00	0.0	12.026	0.055	0	0	0	2	
	4695005	PL.21690	B	Consumer	14.96Y	124.7	0.00	1.29	0.00	0	0	0	100	0.00	0.0	12.026	0.000	0	0	1	1	
	469504	PL.21690	B	Consumer	14.96Y	124.7	0.00	1.29	0.15	0	2	0	100	0.00	0.0	12.026	0.000	2	0	1	1	
	PL.28228	PL.23168	B	4ACSR	14.96Y	124.7	0.00	1.29	0.00	0	0	0	100	0.00	0.0	11.990	0.019	0	0	0	1	
	PL.28226	PL.28228	B	4ACSR	14.96Y	124.7	0.00	1.29	0.00	0	0	0	100	0.00	0.0	12.113	0.123	0	0	0	1	

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.28665	PL.28226	B	4ACSR	14.96Y	124.7	0.00	1.29	0.00	0	0	0	100	0.00	0.0	12.152	0.040	0	0	0	0
PL.28227	PL.28226	B	4ACSR	14.96Y	124.7	0.00	1.29	0.00	0	0	0	100	0.00	0.0	12.250	0.137	0	0	0	1
PL.33990	PL.28227	B	2ACSR	14.96Y	124.7	0.00	1.29	0.00	0	0	0	100	0.00	0.0	12.286	0.036	0	0	0	1
4695006	PL.33990	B	Consumer	14.96Y	124.7	0.00	1.29	0.00	0	0	0	100	0.00	0.0	12.286	0.000	0	0	1	1
PL.40984	PL.40979	C	2ACSR	14.82Y	123.5	0.00	2.47	0.28	0	4	1	97	0.00	0.0	11.228	0.005	0	0	0	1
PD.7313	PL.40984	C	fuse6AMP	14.82Y	123.5	0.00	2.47	0.28	5	4	1	97	0.00	0.0	11.228	0.000	0	0	0	1
PL.40985	PD.7313	C	2ACSR	14.82Y	123.5	0.00	2.47	0.28	0	4	1	97	0.00	0.0	11.270	0.041	0	0	0	1
469402	PL.40985	C	Consumer	14.82Y	123.5	0.00	2.47	0.28	0	4	1	97	0.00	0.0	11.270	0.000	4	1	1	1
PL.40976	PL.46005	C	2ACSR	14.83Y	123.6	0.00	2.43	0.08	0	1	0	100	0.00	0.0	10.893	0.005	0	0	0	4
PD.7312	PL.40976	C	fuse6AMP	14.83Y	123.6	0.00	2.43	0.08	1	1	0	100	0.00	0.0	10.893	0.000	0	0	0	4
PL.40977	PD.7312	C	2ACSR	14.83Y	123.6	0.00	2.44	0.08	0	1	0	100	0.00	0.0	10.924	0.031	0	0	0	4
040406	PL.40977	C	Consumer	14.83Y	123.6	0.00	2.44	0.00	0	0	0	100	0.00	0.0	10.924	0.000	0	0	1	1
040407	PL.40977	C	Consumer	14.83Y	123.6	0.00	2.44	0.03	0	0	0	100	0.00	0.0	10.924	0.000	0	0	1	1
040413	PL.40977	C	Consumer	14.83Y	123.6	0.00	2.44	0.05	0	1	0	100	0.00	0.0	10.924	0.000	1	0	1	1
040446	PL.40977	C	Consumer	14.83Y	123.6	0.00	2.44	0.00	0	0	0	100	0.00	0.0	10.924	0.000	0	0	1	1
0404112	PL.20215	C	Consumer	14.83Y	123.6	0.00	2.42	0.61	0	9	1	99	0.00	0.0	10.718	0.000	9	1	1	1
040420	PL.20215	C	Consumer	14.83Y	123.6	0.00	2.42	0.00	0	0	0	100	0.00	0.0	10.718	0.000	0	0	1	1
PL.7345	PL.20215	A	2ACSR	14.32Y	119.3	0.00	6.66	4.13	2	58	10	99	0.01	0.0	10.734	0.016	0	0	0	14
		B		14.97Y	124.8	0.00	1.24	21.26	8	314	54	99					0	0	0	117
		C		14.83Y	123.6	-0.00	2.41	0.00	0	0	0	100					0	0	0	0
PL.45998	PL.7345	A	2ACSR	14.32Y	119.3	0.00	6.67	4.13	2	58	10	99	0.02	0.0	10.761	0.027	0	0	0	14
		B		14.97Y	124.8	0.01	1.25	20.82	8	307	53	99					0	0	0	116
		C		14.83Y	123.6	-0.00	2.41	0.00	0	0	0	100					0	0	0	0
PD.8703	PL.45998	A	fuse6AMP	14.32Y	119.3	0.00	6.67	4.13	71	58	10	99	0.00	0.0	10.761	0.000	0	0	0	14
		B		14.97Y	124.8	0.00	1.25	20.82	42	307	53	99					0	0	0	116
		C		14.83Y	123.6	0.00	2.41	0.00	0	0	0	100					0	0	0	0
PL.45999	PD.8703	A	2ACSR	14.32Y	119.3	0.00	6.67	4.13	2	58	10	99	0.01	0.0	10.779	0.018	0	0	0	14
		B		14.97Y	124.7	0.01	1.25	20.82	8	307	53	99					0	0	0	116
		C		14.83Y	123.6	-0.00	2.41	0.00	0	0	0	100					0	0	0	0
PL.46000	PL.45999	A	2ACSR	14.32Y	119.3	0.00	6.67	4.13	2	58	10	99	0.01	0.0	10.790	0.011	0	0	0	14
		B		14.97Y	124.7	0.00	1.25	20.40	8	301	51	99					0	0	0	115
		C		14.83Y	123.6	-0.00	2.41	0.00	0	0	0	100					0	0	0	0
PL.46001	PL.46000	A	2ACSR	14.32Y	119.3	0.00	6.67	4.13	2	58	10	99	0.02	0.0	10.819	0.029	0	0	0	14
		B		14.97Y	124.7	0.01	1.26	20.40	8	301	51	99					0	0	0	115
		C		14.83Y	123.6	-0.00	2.41	0.00	0	0	0	100					0	0	0	0
PL.20374	PL.46001	A	4ACSR	14.32Y	119.3	0.01	6.68	4.13	2	58	10	99	0.00	0.0	10.881	0.063	0	0	0	14
PD.1836	PL.20374	A	fuse6AMP	14.32Y	119.3	0.00	6.68	4.13	71	58	10	99	0.00	0.0	10.881	0.000	0	0	0	14
PL.20375	PD.1836	A	4ACSR	14.32Y	119.3	0.00	6.68	4.13	2	58	10	99	0.00	0.0	10.929	0.047	0	0	0	14
0404106	PL.20375	A	Consumer	14.32Y	119.3	0.00	6.68	0.56	0	8	1	99	0.00	0.0	10.929	0.000	8	1	1	1
0404120	PL.20375	A	Consumer	14.32Y	119.3	0.00	6.68	0.73	0	10	2	98	0.00	0.0	10.929	0.000	10	2	1	1
040493	PL.20375	A	Consumer	14.32Y	119.3	0.00	6.68	0.12	0	2	0	100	0.00	0.0	10.929	0.000	2	0	1	1
040492	PL.20375	A	Consumer	14.32Y	119.3	0.00	6.68	0.63	0	9	1	99	0.00	0.0	10.929	0.000	9	1	1	1
PL.7346	PL.20375	A	4ACSR	14.32Y	119.3	0.00	6.68	2.09	1	30	5	99	0.00	0.0	10.971	0.043	0	0	0	10
0404115	PL.7346	A	Consumer	14.32Y	119.3	0.00	6.68	0.00	0	0	0	100	0.00	0.0	10.971	0.000	0	0	1	1

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
0404102	PL.7346	A	Consumer	14.32Y	119.3	0.00	6.68	0.00	0	0	0	100	0.00	0.0	10.971	0.000	0	0	1	1
040495	PL.7346	A	Consumer	14.32Y	119.3	0.00	6.68	0.00	0	0	0	100	0.00	0.0	10.971	0.000	0	0	1	1
PL.19081	PL.7346	A	4ACSR	14.32Y	119.3	0.00	6.69	2.09	1	30	5	99	0.00	0.0	11.035	0.064	0	0	0	7
PL.19082	PL.19081	A	4ACSR	14.32Y	119.3	0.00	6.69	1.34	1	19	3	99	0.00	0.0	11.086	0.051	0	0	0	6
0404117	PL.19082	A	Consumer	14.32Y	119.3	0.00	6.69	0.20	0	3	0	100	0.00	0.0	11.086	0.000	3	0	1	1
0404103	PL.19082	A	Consumer	14.32Y	119.3	0.00	6.69	0.00	0	0	0	100	0.00	0.0	11.086	0.000	0	0	1	1
040499	PL.19082	A	Consumer	14.32Y	119.3	0.00	6.69	0.50	0	7	1	99	0.00	0.0	11.086	0.000	7	1	1	1
PL.7347	PL.19082	A	4ACSR	14.32Y	119.3	0.00	6.69	0.64	0	9	1	99	0.00	0.0	11.128	0.042	0	0	0	3
0404107	PL.7347	A	Consumer	14.32Y	119.3	0.00	6.69	0.01	0	0	0	100	0.00	0.0	11.128	0.000	0	0	1	1
PL.7348	PL.7347	A	4ACSR	14.32Y	119.3	0.00	6.69	0.64	0	9	1	99	0.00	0.0	11.155	0.027	0	0	0	2
0404118	PL.7348	A	Consumer	14.32Y	119.3	0.00	6.69	0.07	0	1	0	100	0.00	0.0	11.155	0.000	1	0	1	1
0404101	PL.7348	A	Consumer	14.32Y	119.3	0.00	6.69	0.56	0	8	1	99	0.00	0.0	11.155	0.000	8	1	1	1
040498	PL.19081	A	Consumer	14.32Y	119.3	0.00	6.69	0.75	0	11	2	98	0.00	0.0	11.035	0.000	11	2	1	1
PL.20358	PL.46001	B	4ACSR	14.97Y	124.7	0.00	1.27	20.40	11	301	51	99	0.01	0.0	10.827	0.008	0	0	0	115
PD.485-A	PL.20358	B	Closed	14.97Y	124.7	0.00	1.27	20.40	0	301	51	99	0.00	0.0	10.827	0.000	0	0	0	115
PD.485-B	PD.485-A	B	Closed	14.97Y	124.7	0.00	1.27	20.40	0	301	51	99	0.00	0.0	10.827	0.000	0	0	0	115
PL.20359	PD.485-B	B	4ACSR	14.97Y	124.7	0.01	1.28	20.40	11	301	51	99	0.02	0.0	10.848	0.022	0	0	0	115
0404104	PL.20359	B	Consumer	14.97Y	124.7	0.00	1.28	0.63	0	9	2	98	0.00	0.0	10.848	0.000	9	2	1	1
PL.11041	PL.20359	B	4ACSR	14.97Y	124.7	0.01	1.29	18.63	10	275	47	99	0.03	0.0	10.881	0.033	0	0	0	108
PL.11042	PL.11041	B	4ACSR	14.96Y	124.6	0.06	1.35	18.35	9	271	46	99	0.13	0.0	11.041	0.159	0	0	0	106
040469	PL.11042	B	Consumer	14.96Y	124.6	0.00	1.35	0.00	0	0	0	100	0.00	0.0	11.041	0.000	0	0	1	1
040443	PL.11042	B	Consumer	14.96Y	124.6	0.00	1.35	0.01	0	0	0	100	0.00	0.0	11.041	0.000	0	0	1	1
040440	PL.11042	B	Consumer	14.96Y	124.6	0.00	1.35	0.03	0	0	0	100	0.00	0.0	11.041	0.000	0	0	1	1
040421	PL.11042	B	Consumer	14.96Y	124.6	0.00	1.35	0.08	0	1	0	100	0.00	0.0	11.041	0.000	1	0	1	1
040439	PL.11042	B	Consumer	14.96Y	124.6	0.00	1.35	1.21	0	18	3	99	0.00	0.0	11.041	0.000	18	3	1	1
040441	PL.11042	B	Consumer	14.96Y	124.6	0.00	1.35	0.00	0	0	0	100	0.00	0.0	11.041	0.000	0	0	1	1
040424	PL.11042	B	Consumer	14.96Y	124.6	0.00	1.35	0.47	0	7	1	99	0.00	0.0	11.041	0.000	7	1	1	1
040403	PL.11042	B	Consumer	14.96Y	124.6	0.00	1.35	0.02	0	0	0	100	0.00	0.0	11.041	0.000	0	0	1	1
PL.11043	PL.11042	B	4ACSR	14.96Y	124.6	0.02	1.37	13.98	7	206	36	99	0.03	0.0	11.104	0.063	0	0	0	77
0404125	PL.11043	B	Consumer	14.96Y	124.6	0.00	1.37	0.12	0	2	0	100	0.00	0.0	11.104	0.000	2	0	1	1
PL.7351	PL.11043	B	4ACSR	14.95Y	124.6	0.03	1.40	13.86	7	204	36	98	0.04	0.0	11.188	0.085	0	0	0	76
PL.18127	PL.7351	B	4ACSR	14.95Y	124.6	0.00	1.40	13.01	7	192	34	98	0.00	0.0	11.198	0.010	0	0	0	72
PD.484-A	PL.18127	B	Closed	14.95Y	124.6	0.00	1.40	13.01	0	192	34	98	0.00	0.0	11.198	0.000	0	0	0	72
PD.484-B	PD.484-A	B	Closed	14.95Y	124.6	0.00	1.40	13.01	0	192	34	98	0.00	0.0	11.198	0.000	0	0	0	72
PL.18128	PD.484-B	B	4ACSR	14.95Y	124.6	0.02	1.42	13.01	7	192	34	98	0.03	0.0	11.278	0.080	0	0	0	72
PL.30317	PL.18128	B	4ACSR	14.95Y	124.6	0.00	1.42	0.69	0	10	2	98	0.00	0.0	11.400	0.122	0	0	0	1
041404	PL.30317	B	Consumer	14.95Y	124.6	0.00	1.42	0.69	0	10	2	98	0.00	0.0	11.400	0.000	10	2	1	1
PL.33966	PL.18128	B	2ACSR	14.95Y	124.6	0.00	1.42	0.04	0	1	0	100	0.00	0.0	11.315	0.036	0	0	0	1

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
0404132	PL.33966	B	Consumer	14.95Y	124.6	0.00	1.42	0.04	0	1	0	100	0.00	0.0	11.315	0.000	1	0	1	1
PL.11428	PL.18128	B	4ACSR	14.95Y	124.6	0.02	1.44	11.92	6	175	31	98	0.02	0.0	11.347	0.069	0	0	0	69
040447	PL.11428	B	Consumer	14.95Y	124.6	0.00	1.44	0.29	0	4	1	97	0.00	0.0	11.347	0.000	4	1	1	1
PL.30318	PL.11428	B	4ACSR	14.95Y	124.6	0.00	1.44	0.00	0	0	0	100	0.00	0.0	11.427	0.080	0	0	0	0
0414121	PL.30318	B	Consumer	14.95Y	124.6	0.00	1.44	0.00	0	0	0	100	0.00	0.0	11.427	0.000	0	0	0	0
PL.22473	PL.11428	B	4ACSR	14.94Y	124.5	0.05	1.49	11.63	6	171	30	98	0.07	0.0	11.563	0.216	0	0	0	68
PL.20863	PL.22473	B	4ACSR	14.94Y	124.5	0.00	1.49	0.00	0	0	0	100	0.00	0.0	11.706	0.143	0	0	0	0
PL.22848	PL.20863	B	4ACSR	14.94Y	124.5	0.00	1.49	0.00	0	0	0	100	0.00	0.0	11.707	0.001	0	0	0	0
PL.20865	PL.22848	B	4ACSR	14.94Y	124.5	0.00	1.49	0.00	0	0	0	100	0.00	0.0	11.783	0.076	0	0	0	0
040501	PL.20863	B	Consumer	14.94Y	124.5	0.00	1.49	0.00	0	0	0	100	0.00	0.0	11.706	0.000	0	0	0	0
PL.22849	PL.20863	B	4ACSR	14.94Y	124.5	0.00	1.49	0.00	0	0	0	100	0.00	0.0	11.811	0.105	0	0	0	0
PL.43782	PL.22473	B	4ACSR	14.94Y	124.5	0.00	1.50	2.45	1	36	6	99	0.00	0.0	11.619	0.056	0	0	0	12
0414134	PL.43782	B	Consumer	14.94Y	124.5	0.00	1.50	0.00	0	0	0	100	0.00	0.0	11.619	0.000	0	0	0	0
PL.43783	PL.43782	B	4ACSR	14.94Y	124.5	0.00	1.50	2.45	1	36	6	99	0.00	0.0	11.665	0.046	0	0	0	12
PL.22325	PL.43783	B	4ACSR	14.94Y	124.5	0.00	1.50	1.80	1	27	4	99	0.00	0.0	11.764	0.098	0	0	0	11
PL.39015	PL.22325	B	4ACSR	14.94Y	124.5	0.00	1.50	1.47	1	22	4	98	0.00	0.0	11.801	0.037	0	0	0	9
0414128	PL.39015	B	Consumer	14.94Y	124.5	0.00	1.50	0.00	0	0	0	100	0.00	0.0	11.801	0.000	0	0	1	1
PL.40712	PL.39015	B	4ACSR	14.94Y	124.5	0.00	1.51	1.46	1	22	4	98	0.00	0.0	11.837	0.036	0	0	0	8
PL.40714	PL.40712	B	4ACSR	14.94Y	124.5	0.00	1.51	1.46	1	22	4	98	0.00	0.0	11.866	0.029	0	0	0	7
0414113	PL.40714	B	Consumer	14.94Y	124.5	0.00	1.51	0.27	0	4	1	97	0.00	0.0	11.866	0.000	4	1	1	1
0414114	PL.40714	B	Consumer	14.94Y	124.5	0.00	1.51	0.00	0	0	0	100	0.00	0.0	11.866	0.000	0	0	1	1
PL.40716	PL.40714	B	4ACSR	14.94Y	124.5	0.00	1.51	1.19	1	18	3	99	0.00	0.0	11.904	0.038	0	0	0	5
PL.45684	PL.40716	B	4ACSR	14.94Y	124.5	0.00	1.51	0.41	0	6	1	99	0.00	0.0	11.925	0.021	0	0	0	3
0414135	PL.45684	B	Consumer	14.94Y	124.5	0.00	1.51	0.00	0	0	0	100	0.00	0.0	11.925	0.000	0	0	0	0
PL.45685	PL.45684	B	4ACSR	14.94Y	124.5	0.00	1.51	0.41	0	6	1	99	0.00	0.0	11.948	0.023	0	0	0	3
0414118	PL.45685	B	Consumer	14.94Y	124.5	0.00	1.51	0.41	0	6	1	99	0.00	0.0	11.948	0.000	1	0	1	3
0414133	0414118	B	Consumer	14.94Y	124.5	0.00	1.51	0.00	0	0	0	100	0.00	0.0	11.948	0.000	0	0	1	1
0414124	0414118	B	Consumer	14.94Y	124.5	0.00	1.51	0.33	0	5	1	98	0.00	0.0	11.948	0.000	5	1	1	1
0414117	PL.40716	B	Consumer	14.94Y	124.5	0.00	1.51	0.01	0	0	0	100	0.00	0.0	11.904	0.000	0	0	1	1
0414116	PL.40716	B	Consumer	14.94Y	124.5	0.00	1.51	0.77	0	11	2	98	0.00	0.0	11.904	0.000	11	2	1	1
0414111	PL.40712	B	Consumer	14.94Y	124.5	0.00	1.51	0.01	0	0	0	100	0.00	0.0	11.837	0.000	0	0	1	1
0414115	PL.40712	B	Consumer	14.94Y	124.5	0.00	1.51	0.00	0	0	0	100	0.00	0.0	11.837	0.000	0	0	0	0
041495	PL.22325	B	Consumer	14.94Y	124.5	0.00	1.50	0.15	0	2	0	100	0.00	0.0	11.764	0.000	2	0	1	1
041410	PL.22325	B	Consumer	14.94Y	124.5	0.00	1.50	0.19	0	3	0	100	0.00	0.0	11.764	0.000	3	0	1	1
041405	PL.43783	B	Consumer	14.94Y	124.5	0.00	1.50	0.64	0	9	2	98	0.00	0.0	11.665	0.000	9	2	1	1
PL.22474	PL.22473	B	4ACSR	14.94Y	124.5	0.01	1.51	9.18	5	135	24	98	0.01	0.0	11.618	0.055	0	0	0	56
PL.22323	PL.22474	B	4ACSR	14.94Y	124.5	0.02	1.52	9.18	5	135	24	98	0.02	0.0	11.705	0.087	0	0	0	56
041511	PL.22323	B	Consumer	14.94Y	124.5	0.00	1.52	0.25	0	4	1	97	0.00	0.0	11.705	0.000	4	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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.22855	PL.22323	B	4ACSR	14.94Y	124.5	0.01	1.53	8.93	5	131	24	98	0.01	0.0	11.747	0.042	0	0	0	55
PL.22856	PL.22855	B	4ACSR	14.93Y	124.5	0.01	1.55	8.72	4	128	23	98	0.01	0.0	11.824	0.077	0	0	0	54
PL.22854	PL.22856	B	4ACSR	14.93Y	124.4	0.00	1.55	5.38	3	79	15	98	0.00	0.0	11.865	0.041	0	0	0	20
041549	PL.22854	B	Consumer	14.93Y	124.4	0.00	1.55	0.12	0	2	0	100	0.00	0.0	11.865	0.000	2	0	1	1
PL.23186	PL.22854	B	4ACSR	14.93Y	124.4	0.01	1.56	5.26	3	77	15	98	0.00	0.0	11.909	0.044	0	0	0	19
PL.23187	PL.23186	B	4ACSR	14.93Y	124.4	0.01	1.56	4.49	2	66	13	98	0.00	0.0	11.973	0.063	0	0	0	17
PL.21496	PL.23187	B	4ACSR	14.93Y	124.4	0.00	1.56	3.07	2	45	7	99	0.00	0.0	11.980	0.007	0	0	0	7
PD.2775	PL.21496	B	fuse6AMP	14.93Y	124.4	0.00	1.56	3.07	52	45	7	99	0.00	0.0	11.980	0.000	0	0	0	7
PL.21497	PD.2775	B	4ACSR	14.93Y	124.4	0.00	1.57	3.07	2	45	7	99	0.00	0.0	12.033	0.054	0	0	0	7
PL.21692	PL.21497	B	4ACSR	14.93Y	124.4	0.00	1.57	3.04	2	45	7	99	0.00	0.0	12.090	0.057	0	0	0	6
PL.22479	PL.21692	B	4ACSR	14.93Y	124.4	0.01	1.57	3.04	2	45	7	99	0.00	0.0	12.171	0.081	0	0	0	6
PL.22480	PL.22479	B	4ACSR	14.93Y	124.4	0.00	1.58	2.63	1	39	6	99	0.00	0.0	12.216	0.045	0	0	0	4
PL.22838	PL.22480	B	4ACSR	14.93Y	124.4	0.00	1.58	0.97	1	14	2	99	0.00	0.0	12.434	0.218	0	0	0	2
041508	PL.22838	B	Consumer	14.93Y	124.4	0.00	1.58	0.32	0	5	1	98	0.00	0.0	12.434	0.000	5	1	1	1
PL.22835	PL.22838	B	4ACSR	14.93Y	124.4	0.00	1.58	0.65	0	10	2	98	0.00	0.0	12.489	0.055	0	0	0	1
041509	PL.22835	B	Consumer	14.93Y	124.4	0.00	1.58	0.65	0	10	2	98	0.00	0.0	12.489	0.000	10	2	1	1
041546	PL.22480	B	Consumer	14.93Y	124.4	0.00	1.58	0.36	0	5	1	98	0.00	0.0	12.216	0.000	5	1	1	1
041507	PL.22480	B	Consumer	14.93Y	124.4	0.00	1.58	1.29	0	19	3	99	0.00	0.0	12.216	0.000	19	3	1	1
PL.22321	PL.22479	B	4ACSR	14.93Y	124.4	0.00	1.58	0.42	0	6	1	99	0.00	0.0	12.230	0.059	0	0	0	2
PL.22322	PL.22321	B	4ACSR	14.93Y	124.4	0.00	1.58	0.37	0	5	1	98	0.00	0.0	12.403	0.173	0	0	0	1
041545	PL.22322	B	Consumer	14.93Y	124.4	0.00	1.58	0.37	0	5	1	98	0.00	0.0	12.403	0.000	5	1	1	1
041512	PL.22321	B	Consumer	14.93Y	124.4	0.00	1.58	0.05	0	1	0	100	0.00	0.0	12.230	0.000	1	0	1	1
041558	PL.21497	B	Consumer	14.93Y	124.4	0.00	1.57	0.03	0	0	0	100	0.00	0.0	12.033	0.000	0	0	1	1
0415067	PL.21497	B	Consumer	14.93Y	124.4	0.00	1.57	0.00	0	0	0	100	0.00	0.0	12.033	0.000	0	0	0	0
041515	PL.23187	B	Consumer	14.93Y	124.4	0.00	1.56	0.17	0	2	0	100	0.00	0.0	11.973	0.000	2	0	1	1
PL.22481	PL.23187	B	4ACSR	14.93Y	124.4	0.01	1.57	1.26	1	18	5	96	0.00	0.0	12.203	0.231	0	0	0	9
PL.45820	PL.22481	B	4ACSR	14.93Y	124.4	0.00	1.57	0.01	0	0	0	100	0.00	0.0	12.266	0.063	0	0	0	1
PL.45822	PL.45820	B	4ACSR	14.93Y	124.4	0.00	1.57	0.01	0	0	0	100	0.00	0.0	12.267	0.001	0	0	0	1
041503	PL.45822	B	Consumer	14.93Y	124.4	0.00	1.57	0.01	0	0	0	100	0.00	0.0	12.267	0.000	0	0	1	1
PL.45823	PL.45822	B	4ACSR	14.93Y	124.4	0.00	1.57	0.00	0	0	0	100	0.00	0.0	12.315	0.048	0	0	0	0
0415069	PL.45823	B	Consumer	14.93Y	124.4	0.00	1.57	0.00	0	0	0	100	0.00	0.0	12.315	0.000	0	0	0	0
041563	PL.22481	B	Consumer	14.93Y	124.4	0.00	1.57	0.32	0	5	1	98	0.00	0.0	12.203	0.000	5	1	1	1
041522	PL.22481	B	Consumer	14.93Y	124.4	0.00	1.57	0.43	0	6	1	99	0.00	0.0	12.203	0.000	6	1	1	1
PL.22482	PL.22481	B	4ACSR	14.93Y	124.4	0.00	1.57	0.51	0	7	3	92	0.00	0.0	12.260	0.056	0	0	0	6
PL.21691	PL.22482	B	4ACSR	14.93Y	124.4	0.00	1.57	0.51	0	7	3	92	0.00	0.0	12.412	0.152	0	0	0	6
PL.29535	PL.21691	B	4ACSR	14.93Y	124.4	0.00	1.57	0.46	0	6	3	89	0.00	0.0	12.484	0.072	0	0	0	3
041514	PL.29535	B	Consumer	14.93Y	124.4	0.00	1.57	0.07	0	1	0	100	0.00	0.0	12.484	0.000	1	0	1	1
041550	PL.29535	B	Consumer	14.93Y	124.4	0.00	1.57	0.00	0	0	0	100	0.00	0.0	12.484	0.000	0	0	1	1

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Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.29536	PL.29535	B	4ACSR	14.93Y	124.4	0.00	1.57	0.39	0	5	3	86	0.00	0.0	12.594	0.110	0	0	0	1
041562	PL.29536	B	Consumer	14.93Y	124.4	0.00	1.57	0.39	0	5	3	86	0.00	0.0	12.594	0.000	5	3	1	1
0415065	PL.21691	B	Consumer	14.93Y	124.4	0.00	1.57	0.01	0	0	0	100	0.00	0.0	12.412	0.000	0	0	1	1
041551	PL.21691	B	Consumer	14.93Y	124.4	0.00	1.57	0.00	0	0	0	100	0.00	0.0	12.412	0.000	0	0	1	1
041501	PL.21691	B	Consumer	14.93Y	124.4	0.00	1.57	0.04	0	0	0	100	0.00	0.0	12.412	0.000	0	0	1	1
041506	PL.23186	B	Consumer	14.93Y	124.4	0.00	1.56	0.50	0	7	1	99	0.00	0.0	11.909	0.000	7	1	1	1
041504	PL.23186	B	Consumer	14.93Y	124.4	0.00	1.56	0.27	0	4	1	97	0.00	0.0	11.909	0.000	4	1	1	1
PL.28989	PL.22856	B	4ACSR	14.93Y	124.5	0.00	1.55	3.08	2	45	7	99	0.00	0.0	11.848	0.024	0	0	0	32
PD.2776	PL.28989	B	fuse6AMP	14.93Y	124.5	0.00	1.55	3.08	53	45	7	99	0.00	0.0	11.848	0.000	0	0	0	32
PL.21676	PD.2776	B	4ACSR	14.93Y	124.4	0.00	1.55	3.08	2	45	7	99	0.00	0.0	11.916	0.068	0	0	0	32
PL.22477	PL.21676	B	4ACSR	14.93Y	124.4	0.00	1.55	2.39	1	35	6	99	0.00	0.0	11.953	0.037	0	0	0	29
041516	PL.22477	B	Consumer	14.93Y	124.4	0.00	1.55	0.02	0	0	0	100	0.00	0.0	11.953	0.000	0	0	1	1
PL.22319	PL.22477	B	4ACSR	14.93Y	124.4	0.00	1.55	0.03	0	1	0	100	0.00	0.0	11.977	0.024	0	0	0	3
PL.22320	PL.22319	B	4ACSR	14.93Y	124.4	0.00	1.55	0.03	0	1	0	100	0.00	0.0	11.998	0.022	0	0	0	2
041518	PL.22320	B	Consumer	14.93Y	124.4	0.00	1.55	0.01	0	0	0	100	0.00	0.0	11.998	0.000	0	0	1	1
041519	PL.22320	B	Consumer	14.93Y	124.4	0.00	1.55	0.02	0	0	0	100	0.00	0.0	11.998	0.000	0	0	1	1
041531	PL.22319	B	Consumer	14.93Y	124.4	0.00	1.55	0.00	0	0	0	100	0.00	0.0	11.977	0.000	0	0	1	1
PL.22478	PL.22477	B	4ACSR	14.93Y	124.4	0.00	1.56	2.33	1	34	6	98	0.00	0.0	11.996	0.044	0	0	0	25
041533	PL.22478	B	Consumer	14.93Y	124.4	0.00	1.56	0.03	0	0	0	100	0.00	0.0	11.996	0.000	0	0	1	1
0415070	PL.22478	B	Consumer	14.93Y	124.4	0.00	1.56	0.00	0	0	0	100	0.00	0.0	11.996	0.000	0	0	0	0
041538	PL.22478	B	Consumer	14.93Y	124.4	0.00	1.56	0.00	0	0	0	100	0.00	0.0	11.996	0.000	0	0	0	0
041540	PL.22478	B	Consumer	14.93Y	124.4	0.00	1.56	0.04	0	1	0	100	0.00	0.0	11.996	0.000	1	0	1	1
PL.22317	PL.22478	B	4ACSR	14.93Y	124.4	0.00	1.56	2.26	1	33	5	99	0.00	0.0	12.026	0.030	0	0	0	23
PL.22318	PL.22317	B	4ACSR	14.93Y	124.4	0.00	1.56	1.48	1	22	4	98	0.00	0.0	12.054	0.028	0	0	0	18
PL.22475	PL.22318	B	4ACSR	14.93Y	124.4	0.00	1.56	1.09	1	16	3	98	0.00	0.0	12.083	0.029	0	0	0	17
PL.20861	PL.22475	B	4ACSR	14.93Y	124.4	0.00	1.56	0.00	0	0	0	100	0.00	0.0	12.136	0.053	0	0	0	1
041524	PL.20861	B	Consumer	14.93Y	124.4	0.00	1.56	0.00	0	0	0	100	0.00	0.0	12.136	0.000	0	0	0	0
041525	PL.20861	B	Consumer	14.93Y	124.4	0.00	1.56	0.00	0	0	0	100	0.00	0.0	12.136	0.000	0	0	1	1
PL.22476	PL.22475	B	4ACSR	14.93Y	124.4	0.00	1.56	1.09	1	16	3	98	0.00	0.0	12.109	0.027	0	0	0	16
PL.22852	PL.22476	B	4ACSR	14.93Y	124.4	0.00	1.56	0.34	0	5	1	98	0.00	0.0	12.181	0.072	0	0	0	10
0415066	PL.22852	B	Consumer	14.93Y	124.4	0.00	1.56	0.03	0	0	0	100	0.00	0.0	12.181	0.000	0	0	1	2
041548	0415066	B	Consumer	14.93Y	124.4	0.00	1.56	0.03	0	0	0	100	0.00	0.0	12.181	0.000	0	0	1	1
PL.22853	PL.22852	B	4ACSR	14.93Y	124.4	0.00	1.56	0.31	0	5	1	98	0.00	0.0	12.276	0.094	0	0	0	8
041547	PL.22853	B	Consumer	14.93Y	124.4	0.00	1.56	0.00	0	0	0	100	0.00	0.0	12.276	0.000	0	0	1	1
041539	PL.22853	B	Consumer	14.93Y	124.4	0.00	1.56	0.02	0	0	0	100	0.00	0.0	12.276	0.000	0	0	1	1
041543	PL.22853	B	Consumer	14.93Y	124.4	0.00	1.56	0.05	0	1	0	100	0.00	0.0	12.276	0.000	1	0	1	1
041535	PL.22853	B	Consumer	14.93Y	124.4	0.00	1.56	0.02	0	0	0	100	0.00	0.0	12.276	0.000	0	0	1	1
041544	PL.22853	B	Consumer	14.93Y	124.4	0.00	1.56	0.13	0	2	0	100	0.00	0.0	12.276	0.000	2	0	1	1

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
041537	PL.22853	B	Consumer	14.93Y	124.4	0.00	1.56	0.00	0	0	0	100	0.00	0.0	12.276	0.000	0	0	1	1
041542	PL.22853	B	Consumer	14.93Y	124.4	0.00	1.56	0.08	0	1	0	100	0.00	0.0	12.276	0.000	1	0	1	1
041541	PL.22853	B	Consumer	14.93Y	124.4	0.00	1.56	0.02	0	0	0	100	0.00	0.0	12.276	0.000	0	0	1	1
041529	PL.22476	B	Consumer	14.93Y	124.4	0.00	1.56	0.01	0	0	0	100	0.00	0.0	12.109	0.000	0	0	1	1
041528	PL.22476	B	Consumer	14.93Y	124.4	0.00	1.56	0.00	0	0	0	100	0.00	0.0	12.109	0.000	0	0	1	1
041523	PL.22476	B	Consumer	14.93Y	124.4	0.00	1.56	0.00	0	0	0	100	0.00	0.0	12.109	0.000	0	0	1	1
041520	PL.22476	B	Consumer	14.93Y	124.4	0.00	1.56	0.03	0	0	0	100	0.00	0.0	12.109	0.000	0	0	1	1
041517	PL.22476	B	Consumer	14.93Y	124.4	0.00	1.56	0.01	0	0	0	100	0.00	0.0	12.109	0.000	0	0	1	1
041526	PL.22476	B	Consumer	14.93Y	124.4	0.00	1.56	0.70	0	10	2	98	0.00	0.0	12.109	0.000	10	2	1	1
041510	PL.22318	B	Consumer	14.93Y	124.4	0.00	1.56	0.00	0	0	0	100	0.00	0.0	12.054	0.000	0	0	0	0
041521	PL.22318	B	Consumer	14.93Y	124.4	0.00	1.56	0.39	0	6	1	99	0.00	0.0	12.054	0.000	6	1	1	1
041527	PL.22317	B	Consumer	14.93Y	124.4	0.00	1.56	0.03	0	0	0	100	0.00	0.0	12.026	0.000	0	0	1	1
041534	PL.22317	B	Consumer	14.93Y	124.4	0.00	1.56	0.00	0	0	0	100	0.00	0.0	12.026	0.000	0	0	1	1
041532	PL.22317	B	Consumer	14.93Y	124.4	0.00	1.56	0.03	0	0	0	100	0.00	0.0	12.026	0.000	0	0	1	1
041560	PL.22317	B	Consumer	14.93Y	124.4	0.00	1.56	0.72	0	11	2	98	0.00	0.0	12.026	0.000	11	2	1	1
041530	PL.22317	B	Consumer	14.93Y	124.4	0.00	1.56	0.00	0	0	0	100	0.00	0.0	12.026	0.000	0	0	1	1
041555	PL.21676	B	Consumer	14.93Y	124.4	0.00	1.55	0.68	0	10	2	98	0.00	0.0	11.916	0.000	10	2	1	1
041557	PL.21676	B	Consumer	14.93Y	124.4	0.00	1.55	0.00	0	0	0	100	0.00	0.0	11.916	0.000	0	0	1	1
041556	PL.21676	B	Consumer	14.93Y	124.4	0.00	1.55	0.02	0	0	0	100	0.00	0.0	11.916	0.000	0	0	1	1
0415068	PL.21676	B	Consumer	14.93Y	124.4	0.00	1.55	0.00	0	0	0	100	0.00	0.0	11.916	0.000	0	0	0	0
041559	PL.22856	B	Consumer	14.93Y	124.5	0.00	1.55	0.25	0	4	1	97	0.00	0.0	11.824	0.000	4	1	1	1
041561	PL.22856	B	Consumer	14.93Y	124.5	0.00	1.55	0.00	0	0	0	100	0.00	0.0	11.824	0.000	0	0	0	0
0415064	PL.22856	B	Consumer	14.93Y	124.5	0.00	1.55	0.00	0	0	0	100	0.00	0.0	11.824	0.000	0	0	0	0
041552	PL.22856	B	Consumer	14.93Y	124.5	0.00	1.55	0.01	0	0	0	100	0.00	0.0	11.824	0.000	0	0	1	1
041553	PL.22855	B	Consumer	14.94Y	124.5	0.00	1.53	0.22	0	3	1	95	0.00	0.0	11.747	0.000	3	1	1	1
040477	PL.18128	B	Consumer	14.95Y	124.6	0.00	1.42	0.37	0	5	1	98	0.00	0.0	11.278	0.000	5	1	1	1
040422	PL.7351	B	Consumer	14.95Y	124.6	0.00	1.40	0.00	0	0	0	100	0.00	0.0	11.188	0.000	0	0	1	1
040496	PL.7351	B	Consumer	14.95Y	124.6	0.00	1.40	0.20	0	3	0	100	0.00	0.0	11.188	0.000	3	0	1	1
0404110	PL.7351	B	Consumer	14.95Y	124.6	0.00	1.40	0.00	0	0	0	100	0.00	0.0	11.188	0.000	0	0	0	0
040423	PL.7351	B	Consumer	14.95Y	124.6	0.00	1.40	0.10	0	1	0	100	0.00	0.0	11.188	0.000	1	0	1	1
040487	PL.7351	B	Consumer	14.95Y	124.6	0.00	1.40	0.55	0	8	1	99	0.00	0.0	11.188	0.000	8	1	1	1
PL.22794	PL.11042	B	4ACSR	14.96Y	124.6	0.00	1.35	2.54	1	37	6	99	0.00	0.0	11.083	0.042	0	0	0	21
PL.22795	PL.22794	B	4ACSR	14.96Y	124.6	0.00	1.36	1.46	1	22	4	98	0.00	0.0	11.168	0.085	0	0	0	16
PL.22845	PL.22795	B	4ACSR	14.96Y	124.6	0.00	1.36	1.35	1	20	3	99	0.00	0.0	11.202	0.034	0	0	0	15
PL.28384	PL.22845	B	4ACSR	14.96Y	124.6	0.00	1.36	0.92	0	14	2	99	0.00	0.0	11.252	0.050	0	0	0	12
040457	PL.28384	B	Consumer	14.96Y	124.6	0.00	1.36	0.01	0	0	0	100	0.00	0.0	11.252	0.000	0	0	1	1
040432	PL.28384	B	Consumer	14.96Y	124.6	0.00	1.36	0.14	0	2	0	100	0.00	0.0	11.252	0.000	2	0	1	1
040430	PL.28384	B	Consumer	14.96Y	124.6	0.00	1.36	0.00	0	0	0	100	0.00	0.0	11.252	0.000	0	0	1	1

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
040435	PL.28384	B	Consumer	14.96Y	124.6	0.00	1.36	0.03	0	0	0	100	0.00	0.0	11.252	0.000	0	0	1	1
PL.28385	PL.28384	B	4ACSR	14.96Y	124.6	0.00	1.36	0.74	0	11	2	98	0.00	0.0	11.296	0.044	0	0	0	8
040456	PL.28385	B	Consumer	14.96Y	124.6	0.00	1.36	0.12	0	2	0	100	0.00	0.0	11.296	0.000	2	0	1	1
0404129	PL.28385	B	Consumer	14.96Y	124.6	0.00	1.36	0.27	0	4	1	97	0.00	0.0	11.296	0.000	4	1	1	1
040448	PL.28385	B	Consumer	14.96Y	124.6	0.00	1.36	0.00	0	0	0	100	0.00	0.0	11.296	0.000	0	0	0	0
PL.22846	PL.28385	B	4ACSR	14.96Y	124.6	0.00	1.36	0.35	0	5	1	98	0.00	0.0	11.316	0.021	0	0	0	6
PL.22847	PL.22846	B	4ACSR	14.96Y	124.6	0.00	1.36	0.33	0	5	1	98	0.00	0.0	11.363	0.046	0	0	0	5
040453	PL.22847	B	Consumer	14.96Y	124.6	0.00	1.36	0.01	0	0	0	100	0.00	0.0	11.363	0.000	0	0	1	1
040454	PL.22847	B	Consumer	14.96Y	124.6	0.00	1.36	0.00	0	0	0	100	0.00	0.0	11.363	0.000	0	0	1	1
040437	PL.22847	B	Consumer	14.96Y	124.6	0.00	1.36	0.00	0	0	0	100	0.00	0.0	11.363	0.000	0	0	1	1
040483	PL.22847	B	Consumer	14.96Y	124.6	0.00	1.36	0.05	0	1	0	100	0.00	0.0	11.363	0.000	1	0	1	1
040451	PL.22847	B	Consumer	14.96Y	124.6	0.00	1.36	0.26	0	4	1	97	0.00	0.0	11.363	0.000	4	1	1	1
040444	PL.22846	B	Consumer	14.96Y	124.6	0.00	1.36	0.02	0	0	0	100	0.00	0.0	11.316	0.000	0	0	1	1
040436	PL.22845	B	Consumer	14.96Y	124.6	0.00	1.36	0.01	0	0	0	100	0.00	0.0	11.202	0.000	0	0	1	1
040485	PL.22845	B	Consumer	14.96Y	124.6	0.00	1.36	0.00	0	0	0	100	0.00	0.0	11.202	0.000	0	0	1	1
040429	PL.22845	B	Consumer	14.96Y	124.6	0.00	1.36	0.42	0	6	1	99	0.00	0.0	11.202	0.000	6	1	1	1
040455	PL.22795	B	Consumer	14.96Y	124.6	0.00	1.36	0.12	0	2	0	100	0.00	0.0	11.168	0.000	2	0	1	1
PL.22792	PL.22794	B	4ACSR	14.96Y	124.6	0.00	1.36	1.07	1	16	3	98	0.00	0.0	11.117	0.035	0	0	0	5
0404121	PL.22792	B	Consumer	14.96Y	124.6	0.00	1.36	0.10	0	1	0	100	0.00	0.0	11.117	0.000	1	0	1	1
PL.22793	PL.22792	B	4ACSR	14.96Y	124.6	0.00	1.36	0.97	1	14	2	99	0.00	0.0	11.167	0.049	0	0	0	4
040449	PL.22793	B	Consumer	14.96Y	124.6	0.00	1.36	0.00	0	0	0	100	0.00	0.0	11.167	0.000	0	0	0	0
040460	PL.22793	B	Consumer	14.96Y	124.6	0.00	1.36	0.00	0	0	0	100	0.00	0.0	11.167	0.000	0	0	1	1
040452	PL.22793	B	Consumer	14.96Y	124.6	0.00	1.36	0.24	0	4	1	97	0.00	0.0	11.167	0.000	4	1	1	1
040414	PL.22793	B	Consumer	14.96Y	124.6	0.00	1.36	0.50	0	7	1	99	0.00	0.0	11.167	0.000	7	1	1	1
040450	PL.22793	B	Consumer	14.96Y	124.6	0.00	1.36	0.23	0	3	1	95	0.00	0.0	11.167	0.000	3	1	1	1
0404127	PL.11041	B	Consumer	14.97Y	124.7	0.00	1.29	0.10	0	1	0	100	0.00	0.0	10.881	0.000	1	0	1	1
040428	PL.11041	B	Consumer	14.97Y	124.7	0.00	1.29	0.18	0	3	0	100	0.00	0.0	10.881	0.000	3	0	1	1
PL.22850	PL.20359	B	4ACSR	14.97Y	124.7	0.00	1.28	1.14	1	17	3	98	0.00	0.0	10.941	0.092	0	0	0	6
040465	PL.22850	B	Consumer	14.97Y	124.7	0.00	1.28	0.19	0	3	0	100	0.00	0.0	10.941	0.000	3	0	1	1
0404131	PL.22850	B	Consumer	14.97Y	124.7	0.00	1.28	0.56	0	8	1	99	0.00	0.0	10.941	0.000	8	1	1	1
040468	PL.22850	B	Consumer	14.97Y	124.7	0.00	1.28	0.00	0	0	0	100	0.00	0.0	10.941	0.000	0	0	0	0
040462	PL.22850	B	Consumer	14.97Y	124.7	0.00	1.28	0.00	0	0	0	100	0.00	0.0	10.941	0.000	0	0	1	1
040470	PL.22850	B	Consumer	14.97Y	124.7	0.00	1.28	0.05	0	1	0	100	0.00	0.0	10.941	0.000	1	0	1	1
PL.22851	PL.22850	B	4ACSR	14.97Y	124.7	0.00	1.28	0.35	0	5	1	98	0.00	0.0	11.000	0.059	0	0	0	2
040463	PL.22851	B	Consumer	14.97Y	124.7	0.00	1.28	0.04	0	1	0	100	0.00	0.0	11.000	0.000	1	0	1	1
040458	PL.22851	B	Consumer	14.97Y	124.7	0.00	1.28	0.30	0	4	1	97	0.00	0.0	11.000	0.000	4	1	1	1
0404108	PL.45999	B	Consumer	14.97Y	124.7	0.00	1.25	0.42	0	6	1	99	0.00	0.0	10.779	0.000	6	1	1	1
040497	PL.7345	B	Consumer	14.97Y	124.8	0.00	1.24	0.43	0	6	1	99	0.00	0.0	10.734	0.000	6	1	1	1

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.45518	PL.20215	C	4ACSR	14.83Y	123.6	0.00	2.42	6.04	3	88	14	99	0.00	0.0	10.745	0.027	0	0	0	32
PL.46002	PL.45518	C	4ACSR	14.83Y	123.6	0.00	2.42	6.04	3	88	14	99	0.00	0.0	10.752	0.007	0	0	0	32
PD.8705	PL.46002	C	25E	14.83Y	123.6	0.00	2.42	6.04	24	88	14	99	0.00	0.0	10.752	0.000	0	0	0	32
PL.46003	PD.8705	C	4ACSR	14.83Y	123.6	0.01	2.43	6.04	3	88	14	99	0.01	0.0	10.848	0.095	0	0	0	32
PL.45544	PL.46003	C	4ACSR	14.83Y	123.6	0.00	2.43	2.00	1	29	5	99	0.00	0.0	10.864	0.016	0	0	0	14
PD.8663	PL.45544	C	fuse6AMP	14.83Y	123.6	0.00	2.43	2.00	34	29	5	99	0.00	0.0	10.864	0.000	0	0	0	14
PL.45545	PD.8663	C	4ACSR	14.83Y	123.6	0.00	2.43	2.00	1	29	5	99	0.00	0.0	10.886	0.022	0	0	0	14
0404124	PL.45545	C	Consumer	14.83Y	123.6	0.00	2.43	0.70	0	10	2	98	0.00	0.0	10.886	0.000	10	2	1	1
040484	PL.45545	C	Consumer	14.83Y	123.6	0.00	2.43	0.00	0	0	0	100	0.00	0.0	10.886	0.000	0	0	1	1
PL.29031	PL.45545	C	4ACSR	14.83Y	123.6	0.00	2.44	1.29	1	19	3	99	0.00	0.0	10.961	0.075	0	0	0	12
PL.29032	PL.29031	C	4ACSR	14.83Y	123.6	0.00	2.44	0.85	0	12	2	99	0.00	0.0	10.981	0.020	0	0	0	11
040416	PL.29032	C	Consumer	14.83Y	123.6	0.00	2.44	0.00	0	0	0	100	0.00	0.0	10.981	0.000	0	0	1	1
040461	PL.29032	C	Consumer	14.83Y	123.6	0.00	2.44	0.25	0	4	1	97	0.00	0.0	10.981	0.000	4	1	1	1
040471	PL.29032	C	Consumer	14.83Y	123.6	0.00	2.44	0.00	0	0	0	100	0.00	0.0	10.981	0.000	0	0	1	1
040418	PL.29032	C	Consumer	14.83Y	123.6	0.00	2.44	0.01	0	0	0	100	0.00	0.0	10.981	0.000	0	0	1	1
040417	PL.29032	C	Consumer	14.83Y	123.6	0.00	2.44	0.00	0	0	0	100	0.00	0.0	10.981	0.000	0	0	1	1
040438	PL.29032	C	Consumer	14.83Y	123.6	0.00	2.44	0.00	0	0	0	100	0.00	0.0	10.981	0.000	0	0	0	0
PL.28936	PL.29032	C	4ACSR	14.83Y	123.6	0.00	2.44	0.59	0	9	1	99	0.00	0.0	11.004	0.023	0	0	0	6
PL.28937	PL.28936	C	4ACSR	14.83Y	123.6	0.00	2.44	0.59	0	9	1	99	0.00	0.0	11.048	0.044	0	0	0	5
PL.28935	PL.28937	C	4ACSR	14.83Y	123.6	0.00	2.44	0.05	0	1	0	100	0.00	0.0	11.090	0.042	0	0	0	3
040426	PL.28935	C	Consumer	14.83Y	123.6	0.00	2.44	0.00	0	0	0	100	0.00	0.0	11.090	0.000	0	0	1	1
040412	PL.28935	C	Consumer	14.83Y	123.6	0.00	2.44	0.02	0	0	0	100	0.00	0.0	11.090	0.000	0	0	1	1
040408	PL.28935	C	Consumer	14.83Y	123.6	0.00	2.44	0.03	0	0	0	100	0.00	0.0	11.090	0.000	0	0	1	1
040410	PL.28937	C	Consumer	14.83Y	123.6	0.00	2.44	0.00	0	0	0	100	0.00	0.0	11.048	0.000	0	0	1	1
040419	PL.28937	C	Consumer	14.83Y	123.6	0.00	2.44	0.54	0	8	1	99	0.00	0.0	11.048	0.000	8	1	1	1
0404111	PL.28936	C	Consumer	14.83Y	123.6	0.00	2.44	0.00	0	0	0	100	0.00	0.0	11.004	0.000	0	0	1	1
040464	PL.29031	C	Consumer	14.83Y	123.6	0.00	2.44	0.45	0	7	1	99	0.00	0.0	10.961	0.000	7	1	1	1
PL.45546	PL.46003	C	4ACSR	14.83Y	123.6	0.02	2.45	4.05	2	59	10	99	0.01	0.0	11.041	0.193	0	0	0	18
PD.8667	PL.45546	C	fuse6AMP	14.83Y	123.6	0.00	2.45	4.05	69	59	10	99	0.00	0.0	11.041	0.000	0	0	0	18
PL.45547	PD.8667	C	4ACSR	14.83Y	123.5	0.00	2.45	4.05	2	59	10	99	0.00	0.0	11.067	0.026	0	0	0	18
040494	PL.45547	C	Consumer	14.83Y	123.5	0.00	2.45	0.09	0	1	0	100	0.00	0.0	11.067	0.000	1	0	1	1
040488	PL.45547	C	Consumer	14.83Y	123.5	0.00	2.45	0.00	0	0	0	100	0.00	0.0	11.067	0.000	0	0	1	1
040475	PL.45547	C	Consumer	14.83Y	123.5	0.00	2.45	0.59	0	9	1	99	0.00	0.0	11.067	0.000	9	1	1	1
PL.29010	PL.45547	C	4ACSR	14.83Y	123.5	0.00	2.45	1.52	1	22	4	98	0.00	0.0	11.095	0.027	0	0	0	4
PL.29011	PL.29010	C	4ACSR	14.83Y	123.5	0.00	2.45	0.76	0	11	2	98	0.00	0.0	11.137	0.043	0	0	0	2
0404114	PL.29011	C	Consumer	14.83Y	123.5	0.00	2.45	0.72	0	11	2	98	0.00	0.0	11.137	0.000	11	2	1	1
0404100	PL.29011	C	Consumer	14.83Y	123.5	0.00	2.45	0.00	0	0	0	100	0.00	0.0	11.137	0.000	0	0	0	0
040411	PL.29011	C	Consumer	14.83Y	123.5	0.00	2.45	0.00	0	0	0	100	0.00	0.0	11.137	0.000	0	0	0	0

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
040486	PL.29011	C	Consumer	14.83Y	123.5	0.00	2.45	0.04	0	1	0	100	0.00	0.0	11.137	0.000	1	0	1	1
040489	PL.29010	C	Consumer	14.83Y	123.5	0.00	2.45	0.65	0	10	2	98	0.00	0.0	11.095	0.000	10	2	1	1
040476	PL.29010	C	Consumer	14.83Y	123.5	0.00	2.45	0.11	0	2	0	100	0.00	0.0	11.095	0.000	2	0	1	1
PL.28933	PL.45547	C	4ACSR	14.83Y	123.5	0.00	2.45	1.84	1	27	4	99	0.00	0.0	11.159	0.092	0	0	0	7
PL.28934	PL.28933	C	4ACSR	14.83Y	123.5	0.00	2.45	0.04	0	1	0	100	0.00	0.0	11.206	0.047	0	0	0	4
PL.28932	PL.28934	C	4ACSR	14.83Y	123.5	0.00	2.45	0.01	0	0	0	100	0.00	0.0	11.255	0.049	0	0	0	3
040490	PL.28932	C	Consumer	14.83Y	123.5	0.00	2.45	0.00	0	0	0	100	0.00	0.0	11.255	0.000	0	0	1	1
040478	PL.28932	C	Consumer	14.83Y	123.5	0.00	2.45	0.00	0	0	0	100	0.00	0.0	11.255	0.000	0	0	1	1
040479	PL.28932	C	Consumer	14.83Y	123.5	0.00	2.45	0.01	0	0	0	100	0.00	0.0	11.255	0.000	0	0	1	1
040482	PL.28934	C	Consumer	14.83Y	123.5	0.00	2.45	0.03	0	1	0	100	0.00	0.0	11.206	0.000	1	0	1	1
040481	PL.28933	C	Consumer	14.83Y	123.5	0.00	2.45	0.56	0	8	1	99	0.00	0.0	11.159	0.000	8	1	1	1
040480	PL.28933	C	Consumer	14.83Y	123.5	0.00	2.45	0.03	0	0	0	100	0.00	0.0	11.159	0.000	0	0	1	1
0404105	PL.28933	C	Consumer	14.83Y	123.5	0.00	2.45	1.21	0	18	3	99	0.00	0.0	11.159	0.000	18	3	1	1
PL.29180	PL.45547	C	4ACSR	14.83Y	123.5	0.00	2.45	0.00	0	0	0	100	0.00	0.0	11.096	0.029	0	0	0	0
PL.29012	PL.45547	C	4ACSR	14.83Y	123.5	0.00	2.45	0.01	0	0	0	100	0.00	0.0	11.102	0.035	0	0	0	4
040474	PL.29012	C	Consumer	14.83Y	123.5	0.00	2.45	0.01	0	0	0	100	0.00	0.0	11.102	0.000	0	0	1	1
040472	PL.29012	C	Consumer	14.83Y	123.5	0.00	2.45	0.00	0	0	0	100	0.00	0.0	11.102	0.000	0	0	1	1
040473	PL.29012	C	Consumer	14.83Y	123.5	0.00	2.45	0.00	0	0	0	100	0.00	0.0	11.102	0.000	0	0	1	1
040433	PL.29012	C	Consumer	14.83Y	123.5	0.00	2.45	0.00	0	0	0	100	0.00	0.0	11.102	0.000	0	0	1	1
PL.28928	PL.29012	C	4ACSR	14.83Y	123.5	0.00	2.45	0.00	0	0	0	100	0.00	0.0	11.119	0.017	0	0	0	0
040405	PL.28928	C	Consumer	14.83Y	123.5	0.00	2.45	0.00	0	0	0	100	0.00	0.0	11.119	0.000	0	0	0	0
PL.28057	PL.11024	A	4ACSR	14.34Y	119.5	0.00	6.53	1.18	1	15	7	91	0.00	0.0	10.342	0.007	0	0	0	1
PD.2777	PL.28057	A	fuse6AMP	14.34Y	119.5	0.00	6.53	1.18	20	15	7	91	0.00	0.0	10.342	0.000	0	0	0	1
PL.28058	PD.2777	A	4ACSR	14.34Y	119.5	0.00	6.53	1.18	1	15	7	91	0.00	0.0	10.366	0.025	0	0	0	1
0404122	PL.28058	A	Consumer	14.34Y	119.5	0.00	6.53	1.18	0	15	7	91	0.00	0.0	10.366	0.000	15	7	1	1
040313	PL.11023	B	Consumer	15.00Y	125.0	0.00	0.97	0.00	0	0	0	100	0.00	0.0	10.131	0.000	0	0	1	1
040319	PL.11023	B	Consumer	15.00Y	125.0	0.00	0.97	0.85	0	13	2	99	0.00	0.0	10.131	0.000	13	2	1	1
PL.18134	PL.19654	B	4ACSR	15.01Y	125.0	0.00	0.95	0.52	0	8	1	99	0.00	0.0	10.078	0.005	0	0	0	2
PD.2008	PL.18134	B	fuse6AMP	15.01Y	125.0	0.00	0.95	0.52	9	8	1	99	0.00	0.0	10.078	0.000	0	0	0	2
PL.18135	PD.2008	B	4ACSR	15.01Y	125.0	0.00	0.95	0.52	0	8	1	99	0.00	0.0	10.096	0.018	0	0	0	2
PL.6841	PL.18135	B	4ACSR	15.01Y	125.0	0.00	0.95	0.51	0	8	1	99	0.00	0.0	10.165	0.069	0	0	0	1
040310	PL.6841	B	Consumer	15.01Y	125.0	0.00	0.95	0.51	0	8	1	99	0.00	0.0	10.165	0.000	8	1	1	1
040317	PL.18135	B	Consumer	15.01Y	125.0	0.00	0.95	0.00	0	0	0	100	0.00	0.0	10.096	0.000	0	0	1	1
040320	PL.19346	B	Consumer	15.01Y	125.1	0.00	0.94	0.25	0	4	1	97	0.00	0.0	10.044	0.000	4	1	1	1
040331	PL.19346	B	Consumer	15.01Y	125.1	0.00	0.94	0.53	0	8	1	99	0.00	0.0	10.044	0.000	8	1	1	1
040326	PL.11022	C	Consumer	14.85Y	123.7	0.00	2.26	0.37	0	5	1	98	0.00	0.0	9.995	0.000	5	1	1	1
040318	PL.11022	B	Consumer	15.01Y	125.1	0.00	0.92	0.27	0	4	1	97	0.00	0.0	9.995	0.000	4	1	1	1
PL.18132	PL.10852	C	4ACSR	14.85Y	123.8	0.00	2.24	1.06	1	15	3	98	0.00	0.0	9.928	0.004	0	0	0	2

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: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.2007	PL.18132	C	fuse6AMP	14.85Y	123.8	0.00	2.24	1.06	18	15	3	98	0.00	0.0	9.928	0.000	0	0	0	2
PL.18133	PD.2007	C	4ACSR	14.85Y	123.8	0.00	2.24	1.06	1	15	3	98	0.00	0.0	9.991	0.062	0	0	0	2
040385	PL.18133	C	Consumer	14.85Y	123.8	0.00	2.24	0.23	0	3	1	95	0.00	0.0	9.991	0.000	3	1	1	1
040373	PL.18133	C	Consumer	14.85Y	123.8	0.00	2.24	0.84	0	12	2	99	0.00	0.0	9.991	0.000	12	2	1	1
PL.10851	PL.10850	A	4ACSR	14.38Y	119.8	0.01	6.19	6.14	3	87	14	99	0.00	0.0	9.834	0.045	0	0	0	23
PL.18676	PL.10851	A	4ACSR	14.38Y	119.8	0.00	6.19	5.80	3	82	13	99	0.00	0.0	9.840	0.007	0	0	0	21
PD.3698	PL.18676	A	35L	14.38Y	119.8	0.00	6.19	5.80	17	82	13	99	0.00	0.0	9.840	0.000	0	0	0	21
PL.18677	PD.3698	A	4ACSR	14.38Y	119.8	0.01	6.20	5.80	3	82	13	99	0.01	0.0	9.922	0.082	0	0	0	21
PL.19500	PL.18677	A	4ACSR	14.38Y	119.8	0.01	6.20	5.79	3	82	13	99	0.00	0.0	9.963	0.041	0	0	0	20
040343	PL.19500	A	Consumer	14.38Y	119.8	0.00	6.20	0.15	0	2	0	100	0.00	0.0	9.963	0.000	2	0	1	1
PL.19501	PL.19500	A	4ACSR	14.37Y	119.8	0.01	6.21	5.64	3	80	13	99	0.01	0.0	10.030	0.068	0	0	0	19
PL.27824	PL.19501	A	4ACSR	14.37Y	119.8	0.00	6.22	4.84	2	69	11	99	0.00	0.0	10.078	0.047	0	0	0	17
040354	PL.27824	A	Consumer	14.37Y	119.8	0.00	6.22	0.00	0	0	0	100	0.00	0.0	10.078	0.000	0	0	0	0
040357	PL.27824	A	Consumer	14.37Y	119.8	0.00	6.22	0.26	0	4	1	97	0.00	0.0	10.078	0.000	4	1	1	1
PL.27825	PL.27824	A	4ACSR	14.37Y	119.8	0.00	6.22	4.58	2	65	11	99	0.00	0.0	10.114	0.037	0	0	0	16
PL.7310	PL.27825	A	4ACSR	14.37Y	119.8	0.01	6.23	4.27	2	61	10	99	0.00	0.0	10.181	0.066	0	0	0	13
040363	PL.7310	A	Consumer	14.37Y	119.8	0.00	6.23	0.00	0	0	0	100	0.00	0.0	10.181	0.000	0	0	0	0
040364	PL.7310	A	Consumer	14.37Y	119.8	0.00	6.23	0.74	0	10	2	98	0.00	0.0	10.181	0.000	10	2	1	1
040338	PL.7310	A	Consumer	14.37Y	119.8	0.00	6.23	0.01	0	0	0	100	0.00	0.0	10.181	0.000	0	0	1	1
040358	PL.7310	A	Consumer	14.37Y	119.8	0.00	6.23	0.00	0	0	0	100	0.00	0.0	10.181	0.000	0	0	1	1
040334	PL.7310	A	Consumer	14.37Y	119.8	0.00	6.23	0.07	0	1	0	100	0.00	0.0	10.181	0.000	1	0	1	1
PL.7311	PL.7310	A	4ACSR	14.37Y	119.8	0.00	6.23	3.45	2	49	8	99	0.00	0.0	10.218	0.037	0	0	0	9
PL.7312	PL.7311	A	4ACSR	14.37Y	119.8	0.00	6.23	2.18	1	31	5	99	0.00	0.0	10.264	0.047	0	0	0	6
040379	PL.7312	A	Consumer	14.37Y	119.8	0.00	6.23	0.04	0	1	0	100	0.00	0.0	10.264	0.000	1	0	1	1
040395	PL.7312	A	Consumer	14.37Y	119.8	0.00	6.23	0.50	0	7	1	99	0.00	0.0	10.264	0.000	7	1	1	1
040383	PL.7312	A	Consumer	14.37Y	119.8	0.00	6.23	1.11	0	16	3	98	0.00	0.0	10.264	0.000	16	3	1	1
PL.7313	PL.7312	A	4ACSR	14.37Y	119.8	0.00	6.23	0.53	0	8	1	99	0.00	0.0	10.320	0.055	0	0	0	3
040391	PL.7313	A	Consumer	14.37Y	119.8	0.00	6.23	0.00	0	0	0	100	0.00	0.0	10.320	0.000	0	0	1	1
040381	PL.7313	A	Consumer	14.37Y	119.8	0.00	6.23	0.12	0	2	0	100	0.00	0.0	10.320	0.000	2	0	1	1
040382	PL.7313	A	Consumer	14.37Y	119.8	0.00	6.23	0.41	0	6	1	99	0.00	0.0	10.320	0.000	6	1	1	1
040380	PL.7311	A	Consumer	14.37Y	119.8	0.00	6.23	0.01	0	0	0	100	0.00	0.0	10.218	0.000	0	0	1	1
040378	PL.7311	A	Consumer	14.37Y	119.8	0.00	6.23	0.33	0	5	1	98	0.00	0.0	10.218	0.000	5	1	1	1
040377	PL.7311	A	Consumer	14.37Y	119.8	0.00	6.23	0.93	0	13	2	99	0.00	0.0	10.218	0.000	13	2	1	1
040339	PL.27825	A	Consumer	14.37Y	119.8	0.00	6.22	0.00	0	0	0	100	0.00	0.0	10.114	0.000	0	0	1	1
040384	PL.27825	A	Consumer	14.37Y	119.8	0.00	6.22	0.00	0	0	0	100	0.00	0.0	10.114	0.000	0	0	1	1
040333	PL.27825	A	Consumer	14.37Y	119.8	0.00	6.22	0.30	0	4	1	97	0.00	0.0	10.114	0.000	4	1	1	1
040337	PL.27825	A	Consumer	14.37Y	119.8	0.00	6.22	0.00	0	0	0	100	0.00	0.0	10.114	0.000	0	0	0	0
040335	PL.19501	A	Consumer	14.37Y	119.8	0.00	6.21	0.39	0	6	1	99	0.00	0.0	10.030	0.000	6	1	1	1

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
040366	PL.19501	A	Consumer	14.37Y	119.8	0.00	6.21	0.40	0	6	1	99	0.00	0.0	10.030	0.000	6	1	1	1
040342	PL.18677	A	Consumer	14.38Y	119.8	0.00	6.20	0.01	0	0	0	100	0.00	0.0	9.922	0.000	0	0	1	1
040348	PL.10851	A	Consumer	14.38Y	119.8	0.00	6.19	0.33	0	5	1	98	0.00	0.0	9.834	0.000	5	1	1	1
040369	PL.10851	A	Consumer	14.38Y	119.8	0.00	6.19	0.00	0	0	0	100	0.00	0.0	9.834	0.000	0	0	0	0
040352	PL.10851	A	Consumer	14.38Y	119.8	0.00	6.19	0.01	0	0	0	100	0.00	0.0	9.834	0.000	0	0	1	1
PL.20350	PL.18228	A	4ACSR	14.40Y	120.0	0.01	6.00	22.09	11	314	51	99	0.02	0.0	9.557	0.020	0	0	0	90
PD.3699	PL.20350	A	35L	14.40Y	120.0	0.00	6.00	22.09	63	314	51	99	0.00	0.0	9.557	0.000	0	0	0	90
PL.43096	PD.3699	A	4ACSR	14.39Y	119.9	0.09	6.10	22.09	11	314	51	99	0.23	0.1	9.754	0.197	0	0	0	90
PL.43097	PL.43096	A	4ACSR	14.39Y	119.9	0.01	6.11	22.09	11	314	51	99	0.03	0.0	9.777	0.022	0	0	0	90
C PD.1990	PL.43097	A	fuse6AMP	14.39Y	119.9	0.00	6.11	22.09	377	314	51	99	0.00	0.0	9.777	0.000	0	0	0	90 C
PL.18141	PD.1990	A	4ACSR	14.39Y	119.9	0.00	6.11	22.09	11	314	51	99	0.01	0.0	9.785	0.009	0	0	0	90
041308	PL.18141	A	Consumer	14.39Y	119.9	0.00	6.11	0.27	0	4	1	97	0.00	0.0	9.785	0.000	4	1	1	1
0413187	PL.18141	A	Consumer	14.39Y	119.9	0.00	6.11	0.00	0	0	0	100	0.00	0.0	9.785	0.000	0	0	0	0
0413188	PL.18141	A	Consumer	14.39Y	119.9	0.00	6.11	0.32	0	5	1	98	0.00	0.0	9.785	0.000	5	1	1	1
0413206	PL.18141	A	Consumer	14.39Y	119.9	0.00	6.11	1.10	0	16	3	98	0.00	0.0	9.785	0.000	16	3	1	1
PL.18897	PL.18141	A	4ACSR	14.39Y	119.9	0.01	6.12	6.92	4	98	16	99	0.01	0.0	9.845	0.060	0	0	0	27
PD.475-A	PL.18897	A	Closed	14.39Y	119.9	0.00	6.12	6.92	0	98	16	99	0.00	0.0	9.845	0.000	0	0	0	27
PD.475-B	PD.475-A	A	Closed	14.39Y	119.9	0.00	6.12	6.92	0	98	16	99	0.00	0.0	9.845	0.000	0	0	0	27
PL.27721	PD.475-B	A	4ACSR	14.38Y	119.9	0.01	6.13	6.92	4	98	16	99	0.01	0.0	9.930	0.085	0	0	0	27
PL.11253	PL.27721	A	4ACSR	14.38Y	119.9	0.00	6.14	2.03	1	29	5	99	0.00	0.0	9.994	0.064	0	0	0	9
PL.6834	PL.11253	A	4ACSR	14.38Y	119.9	0.00	6.14	1.28	1	18	3	99	0.00	0.0	10.030	0.036	0	0	0	6
0413116	PL.6834	A	Consumer	14.38Y	119.9	0.00	6.14	0.00	0	0	0	100	0.00	0.0	10.030	0.000	0	0	0	0
041395	PL.6834	A	Consumer	14.38Y	119.9	0.00	6.14	0.12	0	2	0	100	0.00	0.0	10.030	0.000	2	0	1	1
0413120	PL.6834	A	Consumer	14.38Y	119.9	0.00	6.14	0.03	0	0	0	100	0.00	0.0	10.030	0.000	0	0	1	1
0413235	0413120	A	Consumer	14.38Y	119.9	0.00	6.14	0.00	0	0	0	100	0.00	0.0	10.030	0.000	0	0	0	0
0413105	PL.6834	A	Consumer	14.38Y	119.9	0.00	6.14	0.01	0	0	0	100	0.00	0.0	10.030	0.000	0	0	1	1
0413184	PL.6834	A	Consumer	14.38Y	119.9	0.00	6.14	0.14	0	2	0	100	0.00	0.0	10.030	0.000	2	0	1	1
PL.6835	PL.6834	A	4ACSR	14.38Y	119.9	0.00	6.14	0.98	1	14	2	99	0.00	0.0	10.076	0.045	0	0	0	2
0413156	PL.6835	A	Consumer	14.38Y	119.9	0.00	6.14	0.18	0	3	0	100	0.00	0.0	10.076	0.000	3	0	1	1
0413199	PL.6835	A	Consumer	14.38Y	119.9	0.00	6.14	0.79	0	11	2	98	0.00	0.0	10.076	0.000	11	2	1	1
PL.11243	PL.6835	A	4ACSR	14.38Y	119.9	0.00	6.14	0.00	0	0	0	100	0.00	0.0	10.078	0.002	0	0	0	0
PD.476-A	PL.11243	A	Open	14.38Y	119.9	0.00	6.14	0.00	0	0	0	100	0.00	0.0	10.078	0.000	0	0	0	0
0413152	PL.11253	A	Consumer	14.38Y	119.9	0.00	6.14	0.26	0	4	1	97	0.00	0.0	9.994	0.000	4	1	1	1
0413139	PL.11253	A	Consumer	14.38Y	119.9	0.00	6.14	0.00	0	0	0	100	0.00	0.0	9.994	0.000	0	0	1	1
PL.41090	PL.11253	A	2ACSR	14.38Y	119.9	0.00	6.14	0.49	0	7	1	99	0.00	0.0	10.026	0.032	0	0	0	1
0413126	PL.41090	A	Consumer	14.38Y	119.9	0.00	6.14	0.49	0	7	1	99	0.00	0.0	10.026	0.000	7	1	1	1
0413227	PL.41090	A	Consumer	14.38Y	119.9	0.00	6.14	0.00	0	0	0	100	0.00	0.0	10.026	0.000	0	0	0	0
0413216	PL.27721	A	Consumer	14.38Y	119.9	0.00	6.13	0.00	0	0	0	100	0.00	0.0	9.930	0.000	0	0	0	0

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
0413142	PL.27721	A	Consumer	14.38Y	119.9	0.00	6.13	0.03	0	0	0	100	0.00	0.0	9.930	0.000	0	0	1	1
041397	PL.27721	A	Consumer	14.38Y	119.9	0.00	6.13	0.06	0	1	0	100	0.00	0.0	9.930	0.000	1	0	1	1
PL.11252	PL.27721	A	4ACSR	14.38Y	119.9	0.00	6.14	4.80	2	68	11	99	0.00	0.0	9.968	0.038	0	0	0	16
PL.11254	PL.11252	A	4ACSR	14.38Y	119.9	0.00	6.14	4.79	2	68	11	99	0.00	0.0	10.003	0.035	0	0	0	15
PL.3143	PL.11254	A	4ACSR	14.38Y	119.9	0.00	6.14	0.05	0	1	0	100	0.00	0.0	10.023	0.020	0	0	0	2
0413122	PL.3143	A	Consumer	14.38Y	119.9	0.00	6.14	0.05	0	1	0	100	0.00	0.0	10.023	0.000	1	0	1	1
0413134	PL.3143	A	Consumer	14.38Y	119.9	0.00	6.14	0.00	0	0	0	100	0.00	0.0	10.023	0.000	0	0	1	1
PL.11255	PL.11254	A	4ACSR	14.38Y	119.9	0.00	6.14	4.74	2	67	11	99	0.00	0.0	10.033	0.029	0	0	0	13
PL.11249	PL.11255	A	4ACSR	14.38Y	119.8	0.01	6.15	4.69	2	67	11	99	0.00	0.0	10.088	0.055	0	0	0	11
0413101	PL.11249	A	Consumer	14.38Y	119.8	0.00	6.15	0.54	0	8	1	99	0.00	0.0	10.088	0.000	8	1	1	1
PL.11250	PL.11249	A	4ACSR	14.38Y	119.8	0.00	6.15	4.15	2	59	10	99	0.00	0.0	10.130	0.042	0	0	0	10
PL.11251	PL.11250	A	4ACSR	14.38Y	119.8	0.00	6.16	3.03	2	43	7	99	0.00	0.0	10.183	0.054	0	0	0	8
0413129	PL.11251	A	Consumer	14.38Y	119.8	0.00	6.16	1.09	0	16	3	98	0.00	0.0	10.183	0.000	16	3	1	1
041391	PL.11251	A	Consumer	14.38Y	119.8	0.00	6.16	0.67	0	10	2	98	0.00	0.0	10.183	0.000	10	2	1	1
0413100	PL.11251	A	Consumer	14.38Y	119.8	0.00	6.16	0.25	0	4	1	97	0.00	0.0	10.183	0.000	4	1	1	1
PL.7297	PL.11251	A	4ACSR	14.38Y	119.8	0.00	6.16	1.01	1	14	2	99	0.00	0.0	10.239	0.056	0	0	0	5
041390	PL.7297	A	Consumer	14.38Y	119.8	0.00	6.16	0.11	0	2	0	100	0.00	0.0	10.239	0.000	2	0	1	1
0413177	PL.7297	A	Consumer	14.38Y	119.8	0.00	6.16	0.00	0	0	0	100	0.00	0.0	10.239	0.000	0	0	1	1
0413104	PL.7297	A	Consumer	14.38Y	119.8	0.00	6.16	0.44	0	6	1	99	0.00	0.0	10.239	0.000	6	1	1	1
0413113	PL.7297	A	Consumer	14.38Y	119.8	0.00	6.16	0.37	0	5	1	98	0.00	0.0	10.239	0.000	5	1	1	1
041388	PL.7297	A	Consumer	14.38Y	119.8	0.00	6.16	0.09	0	1	0	100	0.00	0.0	10.239	0.000	1	0	1	1
041384	PL.11250	A	Consumer	14.38Y	119.8	0.00	6.15	0.83	0	12	2	99	0.00	0.0	10.130	0.000	12	2	1	1
0413128	PL.11250	A	Consumer	14.38Y	119.8	0.00	6.15	0.00	0	0	0	100	0.00	0.0	10.130	0.000	0	0	0	0
0413107	PL.11250	A	Consumer	14.38Y	119.8	0.00	6.15	0.29	0	4	1	97	0.00	0.0	10.130	0.000	4	1	1	1
0413190	PL.11255	A	Consumer	14.38Y	119.9	0.00	6.14	0.01	0	0	0	100	0.00	0.0	10.033	0.000	0	0	1	1
0413102	PL.11255	A	Consumer	14.38Y	119.9	0.00	6.14	0.04	0	1	0	100	0.00	0.0	10.033	0.000	1	0	1	1
041389	PL.11252	A	Consumer	14.38Y	119.9	0.00	6.14	0.01	0	0	0	100	0.00	0.0	9.968	0.000	0	0	1	1
PL.18139	PL.18141	A	4ACSR	14.39Y	119.9	0.00	6.11	10.36	5	147	24	99	0.00	0.0	9.793	0.008	0	0	0	45
PD.474-A	PL.18139	A	Closed	14.39Y	119.9	0.00	6.11	10.36	0	147	24	99	0.00	0.0	9.793	0.000	0	0	0	45
PD.474-B	PD.474-A	A	Closed	14.39Y	119.9	0.00	6.11	10.36	0	147	24	99	0.00	0.0	9.793	0.000	0	0	0	45
PL.18140	PD.474-B	A	4ACSR	14.38Y	119.9	0.03	6.14	10.36	5	147	24	99	0.03	0.0	9.909	0.116	0	0	0	45
PL.20238	PL.18140	A	4ACSR	14.38Y	119.9	0.00	6.14	9.59	5	136	22	99	0.00	0.0	9.917	0.009	0	0	0	39
C PD.1988	PL.20238	A	fuse6AMP	14.38Y	119.9	0.00	6.14	9.59	164	136	22	99	0.00	0.0	9.917	0.000	0	0	0	39 C
PL.20066	PD.1988	A	4ACSR	14.38Y	119.8	0.01	6.15	9.59	5	136	22	99	0.01	0.0	9.966	0.048	0	0	0	39
PL.18142	PL.20066	A	4ACSR	14.38Y	119.8	0.00	6.15	1.60	1	23	4	99	0.00	0.0	9.970	0.004	0	0	0	11
PD.1989	PL.18142	A	fuse6AMP	14.38Y	119.8	0.00	6.15	1.60	27	23	4	99	0.00	0.0	9.970	0.000	0	0	0	11
PL.18143	PD.1989	A	4ACSR	14.38Y	119.8	0.00	6.15	1.60	1	23	4	99	0.00	0.0	10.011	0.041	0	0	0	11
PL.6830	PL.18143	A	4ACSR	14.38Y	119.8	0.00	6.15	1.51	1	21	3	99	0.00	0.0	10.050	0.039	0	0	0	10

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Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.6829	PL.6830	A	4ACSR	14.38Y	119.8	0.00	6.16	1.22	1	17	3	98	0.00	0.0	10.088	0.038	0	0	0	8
041342	PL.6829	A	Consumer	14.38Y	119.8	0.00	6.16	0.00	0	0	0	100	0.00	0.0	10.088	0.000	0	0	0	0
041353	PL.6829	A	Consumer	14.38Y	119.8	0.00	6.16	0.00	0	0	0	100	0.00	0.0	10.088	0.000	0	0	1	1
0413136	PL.6829	A	Consumer	14.38Y	119.8	0.00	6.16	0.01	0	0	0	100	0.00	0.0	10.088	0.000	0	0	1	1
PL.6828	PL.6829	A	4ACSR	14.38Y	119.8	0.00	6.16	1.21	1	17	3	98	0.00	0.0	10.120	0.032	0	0	0	6
041348	PL.6828	A	Consumer	14.38Y	119.8	0.00	6.16	0.00	0	0	0	100	0.00	0.0	10.120	0.000	0	0	1	1
041352	PL.6828	A	Consumer	14.38Y	119.8	0.00	6.16	0.44	0	6	1	99	0.00	0.0	10.120	0.000	6	1	1	1
041355	PL.6828	A	Consumer	14.38Y	119.8	0.00	6.16	0.00	0	0	0	100	0.00	0.0	10.120	0.000	0	0	1	1
PL.6827	PL.6828	A	4ACSR	14.38Y	119.8	0.00	6.16	0.77	0	11	2	98	0.00	0.0	10.167	0.047	0	0	0	3
0413155	PL.6827	A	Consumer	14.38Y	119.8	0.00	6.16	0.61	0	9	1	99	0.00	0.0	10.167	0.000	9	1	1	1
041349	PL.6827	A	Consumer	14.38Y	119.8	0.00	6.16	0.16	0	2	0	100	0.00	0.0	10.167	0.000	2	0	1	1
041354	PL.6827	A	Consumer	14.38Y	119.8	0.00	6.16	0.00	0	0	0	100	0.00	0.0	10.167	0.000	0	0	1	1
041340	PL.6830	A	Consumer	14.38Y	119.8	0.00	6.15	0.26	0	4	1	97	0.00	0.0	10.050	0.000	4	1	1	1
0413214	PL.6830	A	Consumer	14.38Y	119.8	0.00	6.15	0.00	0	0	0	100	0.00	0.0	10.050	0.000	0	0	0	0
0413219	PL.6830	A	Consumer	14.38Y	119.8	0.00	6.15	0.04	0	1	0	100	0.00	0.0	10.050	0.000	1	0	1	1
041346	PL.18143	A	Consumer	14.38Y	119.8	0.00	6.15	0.09	0	1	0	100	0.00	0.0	10.011	0.000	1	0	1	1
041350	PL.20066	A	Consumer	14.38Y	119.8	0.00	6.15	0.00	0	0	0	100	0.00	0.0	9.966	0.000	0	0	1	1
041339	PL.20066	A	Consumer	14.38Y	119.8	0.00	6.15	0.38	0	5	1	98	0.00	0.0	9.966	0.000	5	1	1	1
0413213	PL.20066	A	Consumer	14.38Y	119.8	0.00	6.15	0.00	0	0	0	100	0.00	0.0	9.966	0.000	0	0	1	1
041351	PL.20066	A	Consumer	14.38Y	119.8	0.00	6.15	0.18	0	3	0	100	0.00	0.0	9.966	0.000	3	0	1	1
0413117	PL.20066	A	Consumer	14.38Y	119.8	0.00	6.15	0.00	0	0	0	100	0.00	0.0	9.966	0.000	0	0	1	1
041387	PL.20066	A	Consumer	14.38Y	119.8	0.00	6.15	0.08	0	1	0	100	0.00	0.0	9.966	0.000	1	0	1	1
PL.11246	PL.20066	A	4ACSR	14.38Y	119.8	0.00	6.16	7.36	4	104	17	99	0.00	0.0	9.993	0.028	0	0	0	22
0413146	PL.11246	A	Consumer	14.38Y	119.8	0.00	6.16	0.00	0	0	0	100	0.00	0.0	9.993	0.000	0	0	0	0
0413140	PL.11246	A	Consumer	14.38Y	119.8	0.00	6.16	0.06	0	1	0	100	0.00	0.0	9.993	0.000	1	0	1	1
PL.6837	PL.11246	A	4ACSR	14.38Y	119.8	0.01	6.16	7.30	4	104	17	99	0.00	0.0	10.027	0.034	0	0	0	21
PL.6836	PL.6837	A	4ACSR	14.38Y	119.8	0.01	6.17	6.15	3	87	14	99	0.00	0.0	10.069	0.042	0	0	0	18
PL.19786	PL.6836	A	4ACSR	14.38Y	119.8	0.00	6.17	3.52	2	50	8	99	0.00	0.0	10.116	0.047	0	0	0	12
PL.19787	PL.19786	A	4ACSR	14.38Y	119.8	0.00	6.17	2.64	1	37	6	99	0.00	0.0	10.155	0.038	0	0	0	8
0413148	PL.19787	A	Consumer	14.38Y	119.8	0.00	6.17	0.79	0	11	2	98	0.00	0.0	10.155	0.000	11	2	1	1
041357	PL.19787	A	Consumer	14.38Y	119.8	0.00	6.17	0.51	0	7	1	99	0.00	0.0	10.155	0.000	7	1	1	1
041361	PL.19787	A	Consumer	14.38Y	119.8	0.00	6.17	0.00	0	0	0	100	0.00	0.0	10.155	0.000	0	0	1	1
0413147	PL.19787	A	Consumer	14.38Y	119.8	0.00	6.17	1.06	0	15	2	99	0.00	0.0	10.155	0.000	15	2	1	1
PL.6838	PL.19787	A	4ACSR	14.38Y	119.8	0.00	6.17	0.28	0	4	1	97	0.00	0.0	10.210	0.055	0	0	0	4
041360	PL.6838	A	Consumer	14.38Y	119.8	0.00	6.17	0.27	0	4	1	97	0.00	0.0	10.210	0.000	4	1	1	1
0413115	PL.6838	A	Consumer	14.38Y	119.8	0.00	6.17	0.00	0	0	0	100	0.00	0.0	10.210	0.000	0	0	1	1
PL.6831	PL.6838	A	4ACSR	14.38Y	119.8	0.00	6.17	0.01	0	0	0	100	0.00	0.0	10.317	0.107	0	0	0	2
041386	PL.6831	A	Consumer	14.38Y	119.8	0.00	6.17	0.01	0	0	0	100	0.00	0.0	10.317	0.000	0	0	1	1

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
041377	PL.6831	A	Consumer	14.38Y	119.8	0.00	6.17	0.00	0	0	0	100	0.00	0.0	10.317	0.000	0	0	1	1
041380	PL.19786	A	Consumer	14.38Y	119.8	0.00	6.17	0.49	0	7	1	99	0.00	0.0	10.116	0.000	7	1	1	1
041379	PL.19786	A	Consumer	14.38Y	119.8	0.00	6.17	0.20	0	3	0	100	0.00	0.0	10.116	0.000	3	0	1	1
041369	PL.19786	A	Consumer	14.38Y	119.8	0.00	6.17	0.00	0	0	0	100	0.00	0.0	10.116	0.000	0	0	1	1
0413198	PL.19786	A	Consumer	14.38Y	119.8	0.00	6.17	0.19	0	3	0	100	0.00	0.0	10.116	0.000	3	0	1	1
PL.6825	PL.6836	A	4ACSR	14.38Y	119.8	0.00	6.17	1.07	1	15	2	99	0.00	0.0	10.108	0.039	0	0	0	4
PL.6826	PL.6825	A	4ACSR	14.38Y	119.8	0.00	6.17	1.07	1	15	2	99	0.00	0.0	10.163	0.056	0	0	0	4
PL.6824	PL.6826	A	4ACSR	14.38Y	119.8	0.00	6.17	0.63	0	9	1	99	0.00	0.0	10.202	0.039	0	0	0	2
PL.11247	PL.6824	A	4ACSR	14.38Y	119.8	0.00	6.17	0.63	0	9	1	99	0.00	0.0	10.240	0.038	0	0	0	2
0413234	PL.11247	A	Consumer	14.38Y	119.8	0.00	6.17	0.00	0	0	0	100	0.00	0.0	10.240	0.000	0	0	0	0
PL.11248	PL.11247	A	4ACSR	14.38Y	119.8	0.00	6.17	0.63	0	9	1	99	0.00	0.0	10.284	0.043	0	0	0	2
041378	PL.11248	A	Consumer	14.38Y	119.8	0.00	6.17	0.61	0	9	1	99	0.00	0.0	10.284	0.000	9	1	1	1
PL.7303	PL.11248	A	4ACSR	14.38Y	119.8	0.00	6.17	0.03	0	0	0	100	0.00	0.0	10.315	0.031	0	0	0	1
041368	PL.7303	A	Consumer	14.38Y	119.8	0.00	6.17	0.03	0	0	0	100	0.00	0.0	10.315	0.000	0	0	1	1
PL.3144	PL.11247	A	4ACSR	14.38Y	119.8	0.00	6.17	0.00	0	0	0	100	0.00	0.0	10.270	0.030	0	0	0	0
041383	PL.6826	A	Consumer	14.38Y	119.8	0.00	6.17	0.02	0	0	0	100	0.00	0.0	10.163	0.000	0	0	1	1
041372	PL.6826	A	Consumer	14.38Y	119.8	0.00	6.17	0.41	0	6	1	99	0.00	0.0	10.163	0.000	6	1	1	1
041364	PL.6836	A	Consumer	14.38Y	119.8	0.00	6.17	0.96	0	14	2	99	0.00	0.0	10.069	0.000	14	2	1	1
041359	PL.6836	A	Consumer	14.38Y	119.8	0.00	6.17	0.60	0	8	1	99	0.00	0.0	10.069	0.000	8	1	1	1
0413150	PL.6837	A	Consumer	14.38Y	119.8	0.00	6.16	0.00	0	0	0	100	0.00	0.0	10.027	0.000	0	0	0	0
0413158	PL.6837	A	Consumer	14.38Y	119.8	0.00	6.16	0.09	0	1	0	100	0.00	0.0	10.027	0.000	1	0	1	1
041365	PL.6837	A	Consumer	14.38Y	119.8	0.00	6.16	0.75	0	11	2	98	0.00	0.0	10.027	0.000	11	2	1	1
0413135	PL.6837	A	Consumer	14.38Y	119.8	0.00	6.16	0.31	0	4	1	97	0.00	0.0	10.027	0.000	4	1	1	1
PL.7299	PL.18140	A	4ACSR	14.38Y	119.9	0.00	6.14	0.77	0	11	2	98	0.00	0.0	9.987	0.078	0	0	0	5
041347	PL.7299	A	Consumer	14.38Y	119.9	0.00	6.14	0.03	0	0	0	100	0.00	0.0	9.987	0.000	0	0	1	1
041343	PL.7299	A	Consumer	14.38Y	119.9	0.00	6.14	0.30	0	4	1	97	0.00	0.0	9.987	0.000	4	1	1	1
PL.7300	PL.7299	A	4ACSR	14.38Y	119.9	0.00	6.14	0.45	0	6	1	99	0.00	0.0	10.061	0.074	0	0	0	3
PL.7298	PL.7300	A	4ACSR	14.38Y	119.9	0.00	6.14	0.41	0	6	1	99	0.00	0.0	10.116	0.055	0	0	0	1
041345	PL.7298	A	Consumer	14.38Y	119.9	0.00	6.14	0.41	0	6	1	99	0.00	0.0	10.116	0.000	6	1	1	1
0413108	PL.7300	A	Consumer	14.38Y	119.9	0.00	6.14	0.00	0	0	0	100	0.00	0.0	10.061	0.000	0	0	1	1
0413195	PL.7300	A	Consumer	14.38Y	119.9	0.00	6.14	0.03	0	0	0	100	0.00	0.0	10.061	0.000	0	0	1	1
041338	PL.18140	A	Consumer	14.38Y	119.9	0.00	6.14	0.00	0	0	0	100	0.00	0.0	9.909	0.000	0	0	1	1
PL.7322	PL.18141	A	4ACSR	14.39Y	119.9	0.01	6.12	3.12	2	44	7	99	0.00	0.0	9.880	0.095	0	0	0	15
0413208	PL.7322	A	Consumer	14.39Y	119.9	0.00	6.12	0.99	0	14	2	99	0.00	0.0	9.880	0.000	14	2	1	1
PL.7323	PL.7322	A	4ACSR	14.39Y	119.9	0.00	6.12	2.12	1	30	5	99	0.00	0.0	9.953	0.073	0	0	0	14
PL.7302	PL.7323	A	4ACSR	14.39Y	119.9	0.00	6.12	1.09	1	15	3	98	0.00	0.0	10.023	0.070	0	0	0	10
PL.7301	PL.7302	A	4ACSR	14.39Y	119.9	0.00	6.12	0.57	0	8	1	99	0.00	0.0	10.079	0.056	0	0	0	8
041373	PL.7301	A	Consumer	14.39Y	119.9	0.00	6.12	0.00	0	0	0	100	0.00	0.0	10.079	0.000	0	0	1	1

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
0413114	PL.7301	A	Consumer	14.39Y	119.9	0.00	6.12	0.05	0	1	0	100	0.00	0.0	10.079	0.000	1	0	1	1
041374	PL.7301	A	Consumer	14.39Y	119.9	0.00	6.12	0.02	0	0	0	100	0.00	0.0	10.079	0.000	0	0	1	1
PL.7294	PL.7301	A	4ACSR	14.38Y	119.9	0.00	6.13	0.50	0	7	1	99	0.00	0.0	10.134	0.055	0	0	0	5
0413111	PL.7294	A	Consumer	14.38Y	119.9	0.00	6.13	0.00	0	0	0	100	0.00	0.0	10.134	0.000	0	0	1	1
0413112	PL.7294	A	Consumer	14.38Y	119.9	0.00	6.13	0.00	0	0	0	100	0.00	0.0	10.134	0.000	0	0	1	1
041375	PL.7294	A	Consumer	14.38Y	119.9	0.00	6.13	0.00	0	0	0	100	0.00	0.0	10.134	0.000	0	0	1	1
041394	PL.7294	A	Consumer	14.38Y	119.9	0.00	6.13	0.01	0	0	0	100	0.00	0.0	10.134	0.000	0	0	1	1
041399	PL.7294	A	Consumer	14.38Y	119.9	0.00	6.13	0.49	0	7	1	99	0.00	0.0	10.134	0.000	7	1	1	1
0413119	PL.7302	A	Consumer	14.39Y	119.9	0.00	6.12	0.05	0	1	0	100	0.00	0.0	10.023	0.000	1	0	1	1
0413109	PL.7302	A	Consumer	14.39Y	119.9	0.00	6.12	0.47	0	7	1	99	0.00	0.0	10.023	0.000	7	1	1	1
0413106	PL.7323	A	Consumer	14.39Y	119.9	0.00	6.12	0.78	0	11	2	98	0.00	0.0	9.953	0.000	11	2	1	1
0413218	PL.7323	A	Consumer	14.39Y	119.9	0.00	6.12	0.03	0	0	0	100	0.00	0.0	9.953	0.000	0	0	1	1
0413125	PL.7323	A	Consumer	14.39Y	119.9	0.00	6.12	0.06	0	1	0	100	0.00	0.0	9.953	0.000	1	0	1	1
0413165	PL.7323	A	Consumer	14.39Y	119.9	0.00	6.12	0.16	0	2	0	100	0.00	0.0	9.953	0.000	2	0	1	1
0413231	PL.43096	A	Consumer	14.39Y	119.9	0.00	6.10	0.00	0	0	0	100	0.00	0.0	9.754	0.000	0	0	0	0
PL.18131	PL.18228	C	4ACSR	14.87Y	123.9	0.00	2.12	1.22	1	18	3	99	0.00	0.0	9.546	0.009	0	0	0	4
PD.2006	PL.18131	C	fuse6AMP	14.87Y	123.9	0.00	2.12	1.22	21	18	3	99	0.00	0.0	9.546	0.000	0	0	0	4
PL.20353	PD.2006	C	4ACSR	14.87Y	123.9	0.00	2.12	1.22	1	18	3	99	0.00	0.0	9.573	0.027	0	0	0	4
PL.20352	PL.20353	C	4ACSR	14.86Y	123.9	0.00	2.13	1.20	1	18	3	99	0.00	0.0	9.683	0.110	0	0	0	3
040398	PL.20352	C	Consumer	14.86Y	123.9	0.00	2.13	0.07	0	1	0	100	0.00	0.0	9.683	0.000	1	0	1	1
040332	PL.20352	C	Consumer	14.86Y	123.9	0.00	2.13	0.54	0	8	1	99	0.00	0.0	9.683	0.000	8	1	1	1
040356	PL.20352	C	Consumer	14.86Y	123.9	0.00	2.13	0.60	0	9	1	99	0.00	0.0	9.683	0.000	9	1	1	1
040368	PL.20353	C	Consumer	14.87Y	123.9	0.00	2.12	0.02	0	0	0	100	0.00	0.0	9.573	0.000	0	0	1	1
PL.18628	PL.10844	A	336ACSR	14.40Y	120.0	-0.00	5.97	0.00	0	0	0	100	0.00	0.0	9.492	0.020	0	0	0	0
		B		15.03Y	125.3	0.00	0.73	1.50	0	22	4	99					0	0	0	3
		C		14.87Y	123.9	0.00	2.12	1.55	0	23	4	99					0	0	0	2
PL.18629	PL.18628	A	336ACSR	14.40Y	120.0	-0.00	5.97	0.00	0	0	0	100	0.00	0.0	9.508	0.016	0	0	0	0
		B		15.03Y	125.3	0.00	0.73	1.50	0	22	4	99					0	0	0	3
		C		14.87Y	123.9	0.00	2.12	1.55	0	23	4	99					0	0	0	2
PL.20100	PL.18629	B	4ACSR	15.03Y	125.3	0.00	0.73	1.50	1	22	4	98	0.00	0.0	9.512	0.004	0	0	0	3
PD.2012	PL.20100	B	fuse6AMP	15.03Y	125.3	0.00	0.73	1.50	26	22	4	98	0.00	0.0	9.512	0.000	0	0	0	3
PL.20101	PD.2012	B	4ACSR	15.03Y	125.3	0.00	0.73	1.50	1	22	4	98	0.00	0.0	9.564	0.052	0	0	0	3
PL.10539	PL.20101	B	4ACSR	15.03Y	125.3	0.00	0.73	0.78	0	12	2	99	0.00	0.0	9.651	0.087	0	0	0	1
041334	PL.10539	B	Consumer	15.03Y	125.3	0.00	0.73	0.78	0	12	2	99	0.00	0.0	9.651	0.000	12	2	1	1
040307	PL.20101	B	Consumer	15.03Y	125.3	0.00	0.73	0.19	0	3	0	100	0.00	0.0	9.564	0.000	3	0	1	1
040336	PL.20101	B	Consumer	15.03Y	125.3	0.00	0.73	0.53	0	8	1	99	0.00	0.0	9.564	0.000	8	1	1	1
PL.10845	PL.18629	A	336ACSR	14.40Y	120.0	-0.00	5.97	0.00	0	0	0	100	0.00	0.0	9.703	0.195	0	0	0	0
		B		15.03Y	125.3	0.00	0.73	0.00	0	0	0	100					0	0	0	0
		C		14.87Y	123.9	0.00	2.12	1.55	0	23	4	99					0	0	0	2
PL.44656	PL.10845	A	336ACSR	14.40Y	120.0	0.00	5.97	0.00	0	0	0	100	0.00	0.0	9.781	0.078	0	0	0	0
		B		15.03Y	125.3	0.00	0.73	0.00	0	0	0	100					0	0	0	0
		C		14.87Y	123.9	0.00	2.12	0.00	0	0	0	100					0	0	0	0

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Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.8352-A	PL.44656	A	Open	14.40Y	120.0	0.00	5.97	0.00	0	0	0	100	0.00	0.0	9.781	0.000	0	0	0	0
		B		15.03Y	125.3	0.00	0.73	0.00	0	0	0	100					0	0	0	0
		C		14.87Y	123.9	0.00	2.12	0.00	0	0	0	100					0	0	0	0
PL.18138	PL.10845	C	4ACSR	14.87Y	123.9	0.00	2.12	1.55	1	23	4	99	0.00	0.0	9.707	0.005	0	0	0	2
PD.1822	PL.18138	C	fuse6AMP	14.87Y	123.9	0.00	2.12	1.55	26	23	4	99	0.00	0.0	9.707	0.000	0	0	0	2
PL.19121	PD.1822	C	4ACSR	14.87Y	123.9	0.00	2.12	1.55	1	23	4	99	0.00	0.0	9.806	0.099	0	0	0	2
PL.19120	PL.19121	C	4ACSR	14.87Y	123.9	0.00	2.12	0.33	0	5	1	98	0.00	0.0	9.845	0.039	0	0	0	1
041358	PL.19120	C	Consumer	14.87Y	123.9	0.00	2.12	0.33	0	5	1	98	0.00	0.0	9.845	0.000	5	1	1	1
041314	PL.19121	C	Consumer	14.87Y	123.9	0.00	2.12	1.22	0	18	3	99	0.00	0.0	9.806	0.000	18	3	1	1
PL.11242	PL.10845	A	4ACSR	14.40Y	120.0	0.00	5.97	0.00	0	0	0	100	0.00	0.0	9.709	0.006	0	0	0	0
PL.11245	PL.11242	A	4ACSR	14.40Y	120.0	0.00	5.97	0.00	0	0	0	100	0.00	0.0	9.710	0.001	0	0	0	0
PD.1823	PL.11245	A	fuse6AMP	14.40Y	120.0	0.00	5.97	0.00	0	0	0	100	0.00	0.0	9.710	0.000	0	0	0	0
PL.11244	PD.1823	A	4ACSR	14.40Y	120.0	0.00	5.97	0.00	0	0	0	100	0.00	0.0	9.721	0.011	0	0	0	0
PD.476-B	PL.11244	A	Open	14.40Y	120.0	0.00	5.97	0.00	0	0	0	100	0.00	0.0	9.721	0.000	0	0	0	0
PL.6839	PL.19936	C	4ACSR	14.88Y	124.0	0.00	2.03	0.57	0	8	3	94	0.00	0.0	9.265	0.011	0	0	0	2
PL.6840	PL.6839	C	4ACSR	14.88Y	124.0	0.00	2.03	0.05	0	1	0	100	0.00	0.0	9.322	0.057	0	0	0	1
040397	PL.6840	C	Consumer	14.88Y	124.0	0.00	2.03	0.05	0	1	0	100	0.00	0.0	9.322	0.000	1	0	1	1
040386	PL.6839	C	Consumer	14.88Y	124.0	0.00	2.03	0.52	0	7	3	92	0.00	0.0	9.265	0.000	7	3	1	1
040371	PL.28045	B	Consumer	15.05Y	125.4	0.00	0.62	0.01	0	0	0	100	0.00	0.0	9.114	0.000	0	0	1	1
040301	PL.28045	B	Consumer	15.05Y	125.4	0.00	0.62	0.38	0	6	1	99	0.00	0.0	9.114	0.000	6	1	1	1
040316	PL.28045	B	Consumer	15.05Y	125.4	0.00	0.62	0.00	0	0	0	100	0.00	0.0	9.114	0.000	0	0	1	1
PL.3192	PL.7305	C	4ACSR	14.89Y	124.1	0.00	1.89	0.15	0	2	1	89	0.00	0.0	8.947	0.048	0	0	0	1
040217	PL.3192	C	Consumer	14.89Y	124.1	0.00	1.89	0.15	0	2	1	89	0.00	0.0	8.947	0.000	2	1	1	1
040206	PL.19188	B	Consumer	15.06Y	125.5	0.00	0.54	0.12	0	2	0	100	0.00	0.0	8.865	0.000	2	0	1	1
040204	PL.20747	B	Consumer	15.06Y	125.5	0.00	0.49	0.31	0	5	1	98	0.00	0.0	8.695	0.000	5	1	1	1
PL.8683	PL.10971	C	4ACSR	14.91Y	124.2	0.00	1.77	3.21	2	47	11	97	0.00	0.0	8.620	0.054	0	0	0	7
PL.27823	PL.8683	C	4ACSR	14.91Y	124.2	0.01	1.78	3.21	2	47	11	97	0.00	0.0	8.772	0.152	0	0	0	7
PL.19722	PL.27823	C	4ACSR	14.91Y	124.2	0.01	1.79	1.99	1	29	8	96	0.00	0.0	8.905	0.133	0	0	0	5
041204	PL.19722	C	Consumer	14.91Y	124.2	0.00	1.79	0.78	0	10	5	89	0.00	0.0	8.905	0.000	10	5	1	1
PL.19723	PL.19722	C	4ACSR	14.91Y	124.2	0.00	1.79	1.23	1	18	3	99	0.00	0.0	9.037	0.132	0	0	0	4
PL.6832	PL.19723	C	4ACSR	14.91Y	124.2	0.00	1.79	0.00	0	0	0	100	0.00	0.0	9.099	0.063	0	0	0	1
041202	PL.6832	C	Consumer	14.91Y	124.2	0.00	1.79	0.00	0	0	0	100	0.00	0.0	9.099	0.000	0	0	1	1
PL.3191	PL.19723	C	4ACSR	14.91Y	124.2	0.00	1.79	1.22	1	18	3	99	0.00	0.0	9.093	0.056	0	0	0	2
041206	PL.3191	C	Consumer	14.91Y	124.2	0.00	1.79	0.63	0	9	2	98	0.00	0.0	9.093	0.000	9	2	1	1
0412008	PL.3191	C	Consumer	14.91Y	124.2	0.00	1.79	0.59	0	9	1	99	0.00	0.0	9.093	0.000	9	1	1	1
041205	PL.19723	C	Consumer	14.91Y	124.2	0.00	1.79	0.01	0	0	0	100	0.00	0.0	9.037	0.000	0	0	1	1
0412009	PL.19723	C	Consumer	14.91Y	124.2	0.00	1.79	0.00	0	0	0	100	0.00	0.0	9.037	0.000	0	0	0	0
041201	PL.27823	C	Consumer	14.91Y	124.2	0.00	1.78	1.03	0	15	2	99	0.00	0.0	8.772	0.000	15	2	1	1
041203	PL.27823	C	Consumer	14.91Y	124.2	0.00	1.78	0.19	0	3	0	100	0.00	0.0	8.772	0.000	3	0	1	1

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Unbalanced Voltage Drop Report
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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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
030913	PL.20029	C	Consumer	14.94Y	124.5	0.00	1.49	0.00	0	0	0	100	0.00	0.0	7.537	0.000	0	0	1	1
030919	PL.20029	C	Consumer	14.94Y	124.5	0.00	1.49	0.28	0	4	1	97	0.00	0.0	7.537	0.000	4	1	1	1
030909	PL.20029	C	Consumer	14.94Y	124.5	0.00	1.49	0.42	0	6	1	99	0.00	0.0	7.537	0.000	6	1	1	1
030915	PL.10970	C	Consumer	14.94Y	124.5	0.00	1.47	0.00	0	0	0	100	0.00	0.0	7.477	0.000	0	0	1	1
030916	PL.10970	C	Consumer	14.94Y	124.5	0.00	1.47	0.00	0	0	0	100	0.00	0.0	7.477	0.000	0	0	1	1
030914	PL.10970	C	Consumer	14.94Y	124.5	0.00	1.47	0.03	0	0	0	100	0.00	0.0	7.477	0.000	0	0	1	1
PL.16826	PL.10969	C	4ACSR	14.95Y	124.6	0.00	1.43	1.63	1	24	4	99	0.00	0.0	7.350	0.003	0	0	0	4
PD.1190	PL.16826	C	fuse6AMP	14.95Y	124.6	0.00	1.43	1.63	28	24	4	99	0.00	0.0	7.350	0.000	0	0	0	4
PL.16827	PD.1190	C	4ACSR	14.95Y	124.6	0.00	1.43	1.63	1	24	4	99	0.00	0.0	7.381	0.030	0	0	0	4
030911	PL.16827	C	Consumer	14.95Y	124.6	0.00	1.43	0.00	0	0	0	100	0.00	0.0	7.381	0.000	0	0	1	1
PL.6274	PL.16827	C	4ACSR	14.95Y	124.6	0.00	1.43	1.63	1	24	4	99	0.00	0.0	7.461	0.081	0	0	0	3
PL.6275	PL.6274	C	4ACSR	14.95Y	124.6	0.00	1.43	0.97	0	14	2	99	0.00	0.0	7.481	0.019	0	0	0	1
030908	PL.6275	C	Consumer	14.95Y	124.6	0.00	1.43	0.97	0	14	2	99	0.00	0.0	7.481	0.000	14	2	1	1
030912	PL.6274	C	Consumer	14.95Y	124.6	0.00	1.43	0.33	0	5	1	98	0.00	0.0	7.461	0.000	5	1	1	1
030903	PL.6274	C	Consumer	14.95Y	124.6	0.00	1.43	0.32	0	5	1	98	0.00	0.0	7.461	0.000	5	1	1	1
030918	PL.43748	C	Consumer	14.96Y	124.7	0.00	1.35	0.00	0	0	0	100	0.00	0.0	7.105	0.000	0	0	1	1
030906	PL.43748	C	Consumer	14.96Y	124.7	0.00	1.35	0.00	0	0	0	100	0.00	0.0	7.105	0.000	0	0	1	1
030905	PL.43748	C	Consumer	14.96Y	124.7	0.00	1.35	0.00	0	0	0	100	0.00	0.0	7.105	0.000	0	0	1	1
PL.46093	PL.46096	A	4ACSR	14.73Y	122.8	0.00	3.25	1.38	1	20	3	99	0.00	0.0	6.384	0.024	0	0	0	10
PD.8717	PL.46093	A	fuse6AMP	14.73Y	122.8	0.00	3.25	1.38	24	20	3	99	0.00	0.0	6.384	0.000	0	0	0	10
PL.46094	PD.8717	A	4ACSR	14.73Y	122.8	0.00	3.25	1.38	1	20	3	99	0.00	0.0	6.399	0.016	0	0	0	10
PL.10963	PL.46094	A	4ACSR	14.73Y	122.8	0.00	3.25	1.01	1	15	2	99	0.00	0.0	6.492	0.093	0	0	0	5
031830	PL.10963	A	Consumer	14.73Y	122.8	0.00	3.25	0.00	0	0	0	100	0.00	0.0	6.492	0.000	0	0	1	1
PL.6281	PL.10963	A	4ACSR	14.73Y	122.8	0.00	3.25	1.01	1	15	2	99	0.00	0.0	6.513	0.021	0	0	0	4
PL.10968	PL.6281	A	4ACSR	14.73Y	122.7	0.00	3.25	0.64	0	9	2	98	0.00	0.0	6.544	0.031	0	0	0	3
031829	PL.10968	A	Consumer	14.73Y	122.7	0.00	3.25	0.22	0	3	1	95	0.00	0.0	6.544	0.000	3	1	1	1
PL.19114	PL.10968	A	4ACSR	14.73Y	122.7	0.00	3.25	0.41	0	6	1	99	0.00	0.0	6.723	0.179	0	0	0	2
PL.19115	PL.19114	A	4ACSR	14.73Y	122.7	0.00	3.26	0.41	0	6	1	99	0.00	0.0	7.080	0.356	0	0	0	2
030920	PL.19115	A	Consumer	14.73Y	122.7	0.00	3.26	0.41	0	6	1	99	0.00	0.0	7.080	0.000	6	1	1	1
030921	PL.19115	A	Consumer	14.73Y	122.7	0.00	3.26	0.00	0	0	0	100	0.00	0.0	7.080	0.000	0	0	1	1
031831	PL.6281	A	Consumer	14.73Y	122.8	0.00	3.25	0.38	0	5	1	98	0.00	0.0	6.513	0.000	5	1	1	1
PL.10964	PL.46094	A	4ACSR	14.73Y	122.8	0.00	3.25	0.37	0	5	1	98	0.00	0.0	6.439	0.039	0	0	0	5
PL.10965	PL.10964	A	4ACSR	14.73Y	122.8	0.00	3.25	0.01	0	0	0	100	0.00	0.0	6.493	0.055	0	0	0	1
031901	PL.10965	A	Consumer	14.73Y	122.8	0.00	3.25	0.01	0	0	0	100	0.00	0.0	6.493	0.000	0	0	1	1
PL.1817	PL.10964	A	4ACSR	14.73Y	122.8	0.00	3.25	0.36	0	5	1	98	0.00	0.0	6.466	0.027	0	0	0	4
PL.29891	PL.1817	A	4ACSR	14.73Y	122.8	0.00	3.25	0.36	0	5	1	98	0.00	0.0	6.497	0.032	0	0	0	4
PL.29892	PL.29891	A	4ACSR	14.73Y	122.8	0.00	3.25	0.36	0	5	1	98	0.00	0.0	6.631	0.134	0	0	0	4
031832	PL.29892	A	Consumer	14.73Y	122.8	0.00	3.25	0.00	0	0	0	100	0.00	0.0	6.631	0.000	0	0	1	1

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.10967	PL.29892	A	4ACSR	14.73Y	122.8	0.00	3.25	0.36	0	5	1	98	0.00	0.0	6.633	0.003	0	0	0	3
PL.45351	PL.10967	A	4ACSR	14.73Y	122.8	0.00	3.25	0.36	0	5	1	98	0.00	0.0	6.697	0.063	0	0	0	3
PL.45352	PL.45351	A	4ACSR	14.73Y	122.8	0.00	3.25	0.35	0	5	1	98	0.00	0.0	6.725	0.028	0	0	0	2
0318035	PL.45352	A	Consumer	14.73Y	122.8	0.00	3.25	0.00	0	0	0	100	0.00	0.0	6.725	0.000	0	0	1	1
PL.6282	PL.45352	A	4ACSR	14.73Y	122.7	0.00	3.25	0.34	0	5	1	98	0.00	0.0	6.842	0.117	0	0	0	1
PL.6283	PL.6282	A	4ACSR	14.73Y	122.7	0.00	3.25	0.00	0	0	0	100	0.00	0.0	6.915	0.073	0	0	0	0
031833	PL.6282	A	Consumer	14.73Y	122.7	0.00	3.25	0.34	0	5	1	98	0.00	0.0	6.842	0.000	5	1	1	1
0318034	PL.45351	A	Consumer	14.73Y	122.8	0.00	3.25	0.01	0	0	0	100	0.00	0.0	6.697	0.000	0	0	1	1
031902	PL.10964	A	Consumer	14.73Y	122.8	0.00	3.25	0.00	0	0	0	100	0.00	0.0	6.439	0.000	0	0	0	0
PL.16829	PL.18368	C	4ACSR	14.97Y	124.8	0.00	1.23	0.27	0	4	1	97	0.00	0.0	3.713	0.006	0	0	0	1
PD.1183	PL.16829	C	fuse6AMP	14.97Y	124.8	0.00	1.23	0.27	5	4	1	97	0.00	0.0	3.713	0.000	0	0	0	1
PL.16830	PD.1183	C	4ACSR	14.97Y	124.8	0.00	1.23	0.27	0	4	1	97	0.00	0.0	3.782	0.069	0	0	0	1
031714	PL.16830	C	Consumer	14.97Y	124.8	0.00	1.23	0.27	0	4	1	97	0.00	0.0	3.782	0.000	4	1	1	1
PL.1595	PL.24636	A	4ACSR	14.87Y	123.9	0.00	2.12	0.01	0	0	0	100	0.00	0.0	2.352	0.034	0	0	0	1
032634	PL.1595	A	Consumer	14.87Y	123.9	0.00	2.12	0.01	0	0	0	100	0.00	0.0	2.352	0.000	0	0	1	1
032624	PL.24636	A	Consumer	14.87Y	123.9	0.00	2.12	0.62	0	9	1	99	0.00	0.0	2.318	0.000	9	1	1	1
PL.18674	PL.9673	C	4ACSR	15.04Y	125.4	0.00	0.64	6.98	4	104	17	99	0.00	0.0	2.155	0.016	0	0	0	25
PD.3403	PL.18674	C	25V4E	15.04Y	125.4	0.00	0.64	6.98	28	104	17	99	0.00	0.0	2.155	0.000	0	0	0	25
PL.18675	PD.3403	C	4ACSR	15.04Y	125.3	0.01	0.65	6.98	4	104	17	99	0.01	0.0	2.234	0.079	0	0	0	25
PL.9674	PL.18675	C	4ACSR	15.04Y	125.3	0.00	0.65	0.92	0	14	2	99	0.00	0.0	2.320	0.085	0	0	0	3
PL.1586	PL.9674	C	4ACSR	15.04Y	125.3	0.00	0.65	0.48	0	7	1	99	0.00	0.0	2.394	0.075	0	0	0	2
032633	PL.1586	C	Consumer	15.04Y	125.3	0.00	0.65	0.00	0	0	0	100	0.00	0.0	2.394	0.000	0	0	1	1
032629	PL.1586	C	Consumer	15.04Y	125.3	0.00	0.65	0.48	0	7	1	99	0.00	0.0	2.394	0.000	7	1	1	1
PL.9675	PL.9674	C	4ACSR	15.04Y	125.3	0.00	0.65	0.44	0	6	1	99	0.00	0.0	2.400	0.081	0	0	0	1
PL.45430	PL.9675	C	2ACSR	15.04Y	125.3	0.00	0.65	0.00	0	0	0	100	0.00	0.0	2.463	0.063	0	0	0	0
0326040	PL.45430	C	Consumer	15.04Y	125.3	0.00	0.65	0.00	0	0	0	100	0.00	0.0	2.463	0.000	0	0	0	0
032625	PL.9675	C	Consumer	15.04Y	125.3	0.00	0.65	0.44	0	6	1	99	0.00	0.0	2.400	0.000	6	1	1	1
PL.9676	PL.18675	C	4ACSR	15.04Y	125.3	0.02	0.67	6.06	3	90	15	99	0.01	0.0	2.396	0.161	0	0	0	22
PL.1587	PL.9676	C	4ACSR	15.04Y	125.3	0.00	0.67	0.00	0	0	0	100	0.00	0.0	2.488	0.092	0	0	0	0
032616	PL.1587	C	Consumer	15.04Y	125.3	0.00	0.67	0.00	0	0	0	100	0.00	0.0	2.488	0.000	0	0	0	0
032623	PL.9676	C	Consumer	15.04Y	125.3	0.00	0.67	0.00	0	0	0	100	0.00	0.0	2.396	0.000	0	0	0	0
PL.9677	PL.9676	C	4ACSR	15.04Y	125.3	0.01	0.68	6.06	3	90	15	99	0.01	0.0	2.460	0.064	0	0	0	22
PL.1588	PL.9677	C	4ACSR	15.04Y	125.3	0.00	0.68	0.17	0	3	0	100	0.00	0.0	2.561	0.102	0	0	0	2
032627	PL.1588	C	Consumer	15.04Y	125.3	0.00	0.68	0.17	0	3	0	100	0.00	0.0	2.561	0.000	3	0	1	1
032626	PL.1588	C	Consumer	15.04Y	125.3	0.00	0.68	0.00	0	0	0	100	0.00	0.0	2.561	0.000	0	0	1	1
PL.9678	PL.9677	C	4ACSR	15.04Y	125.3	0.01	0.69	5.88	3	87	14	99	0.00	0.0	2.514	0.054	0	0	0	20
PL.21582	PL.9678	C	4ACSR	15.04Y	125.3	0.00	0.69	5.88	3	87	14	99	0.00	0.0	2.540	0.026	0	0	0	20
PL.21583	PL.21582	C	4ACSR	15.04Y	125.3	0.00	0.69	5.88	3	87	14	99	0.00	0.0	2.540	0.000	0	0	0	20

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Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.22264	PL.21583	C	4ACSR	15.04Y	125.3	0.01	0.70	5.88	3	87	14	99	0.00	0.0	2.599	0.059	0	0	0	20
PL.19924	PL.22264	C	4ACSR	15.03Y	125.3	0.01	0.71	3.40	2	50	8	99	0.00	0.0	2.722	0.123	0	0	0	12
PL.19925	PL.19924	C	4ACSR	15.03Y	125.3	0.01	0.72	3.02	2	45	7	99	0.00	0.0	2.848	0.127	0	0	0	11
PL.1820	PL.19925	C	4ACSR	15.03Y	125.3	0.00	0.72	0.81	0	12	2	99	0.00	0.0	2.920	0.071	0	0	0	1
033607	PL.1820	C	Consumer	15.03Y	125.3	0.00	0.72	0.81	0	12	2	99	0.00	0.0	2.920	0.000	12	2	1	1
PL.9680	PL.19925	C	4ACSR	15.03Y	125.3	0.00	0.72	2.21	1	33	5	99	0.00	0.0	2.913	0.064	0	0	0	10
PL.4868	PL.9680	C	4ACSR	15.03Y	125.3	0.01	0.73	2.21	1	33	5	99	0.00	0.0	3.072	0.159	0	0	0	10
033608	PL.4868	C	Consumer	15.03Y	125.3	0.00	0.73	0.00	0	0	0	100	0.00	0.0	3.072	0.000	0	0	0	0
033603	PL.4868	C	Consumer	15.03Y	125.3	0.00	0.73	0.25	0	4	1	97	0.00	0.0	3.072	0.000	4	1	1	1
PL.9683	PL.4868	C	4ACSR	15.03Y	125.3	0.00	0.73	1.96	1	29	5	99	0.00	0.0	3.121	0.049	0	0	0	9
PL.19260	PL.9683	C	4ACSR	15.03Y	125.3	0.00	0.73	1.25	1	19	3	99	0.00	0.0	3.168	0.046	0	0	0	8
033614	PL.19260	C	Consumer	15.03Y	125.3	0.00	0.73	0.05	0	1	0	100	0.00	0.0	3.168	0.000	1	0	1	1
PL.19261	PL.19260	C	4ACSR	15.03Y	125.3	0.00	0.73	1.20	1	18	3	99	0.00	0.0	3.219	0.052	0	0	0	7
PL.9681	PL.19261	C	4ACSR	15.03Y	125.3	0.00	0.73	1.06	1	16	3	98	0.00	0.0	3.279	0.060	0	0	0	6
PL.23833	PL.9681	C	4ACSR	15.03Y	125.3	0.00	0.73	0.18	0	3	0	100	0.00	0.0	3.338	0.059	0	0	0	1
033619	PL.23833	C	Consumer	15.03Y	125.3	0.00	0.73	0.18	0	3	0	100	0.00	0.0	3.338	0.000	3	0	1	1
PL.9682	PL.9681	C	4ACSR	15.03Y	125.3	0.00	0.74	0.88	0	13	2	99	0.00	0.0	3.500	0.221	0	0	0	5
PL.4866	PL.9682	C	4ACSR	15.03Y	125.3	0.00	0.74	0.83	0	12	2	99	0.00	0.0	3.559	0.059	0	0	0	4
033616	PL.4866	C	Consumer	15.03Y	125.3	0.00	0.74	0.00	0	0	0	100	0.00	0.0	3.559	0.000	0	0	1	1
PL.5775	PL.4866	C	4ACSR	15.03Y	125.3	0.00	0.74	0.83	0	12	2	99	0.00	0.0	3.616	0.056	0	0	0	3
034644	PL.5775	C	Consumer	15.03Y	125.3	0.00	0.74	0.00	0	0	0	100	0.00	0.0	3.616	0.000	0	0	0	0
PL.5774	PL.5775	C	4ACSR	15.03Y	125.3	0.00	0.74	0.77	0	11	2	98	0.00	0.0	3.660	0.045	0	0	0	1
034643	PL.5774	C	Consumer	15.03Y	125.3	0.00	0.74	0.77	0	11	2	98	0.00	0.0	3.660	0.000	11	2	1	1
PL.23832	PL.5775	C	4ACSR	15.03Y	125.3	0.00	0.74	0.05	0	1	0	100	0.00	0.0	3.629	0.014	0	0	0	2
PL.24656	PL.23832	C	4ACSR	15.03Y	125.3	0.00	0.74	0.05	0	1	0	100	0.00	0.0	3.680	0.051	0	0	0	2
PL.24657	PL.24656	C	4ACSR	15.03Y	125.3	0.00	0.74	0.04	0	1	0	100	0.00	0.0	3.704	0.024	0	0	0	1
034527	PL.24657	C	Consumer	15.03Y	125.3	0.00	0.74	0.04	0	1	0	100	0.00	0.0	3.704	0.000	1	0	1	1
034534	PL.24656	C	Consumer	15.03Y	125.3	0.00	0.74	0.01	0	0	0	100	0.00	0.0	3.680	0.000	0	0	1	1
033617	PL.9682	C	Consumer	15.03Y	125.3	0.00	0.74	0.05	0	1	0	100	0.00	0.0	3.500	0.000	1	0	1	1
033618	PL.19261	C	Consumer	15.03Y	125.3	0.00	0.73	0.13	0	2	0	100	0.00	0.0	3.219	0.000	2	0	1	1
033615	PL.9683	C	Consumer	15.03Y	125.3	0.00	0.73	0.71	0	10	2	98	0.00	0.0	3.121	0.000	10	2	1	1
033606	PL.19924	C	Consumer	15.03Y	125.3	0.00	0.71	0.38	0	6	1	99	0.00	0.0	2.722	0.000	6	1	1	1
PL.24512	PL.22264	C	4ACSR	15.04Y	125.3	0.00	0.70	2.48	1	37	6	99	0.00	0.0	2.670	0.072	0	0	0	8
PL.19617	PL.24512	C	4ACSR	15.03Y	125.3	0.01	0.71	2.32	1	34	6	98	0.00	0.0	2.809	0.139	0	0	0	7
033604	PL.19617	C	Consumer	15.03Y	125.3	0.00	0.71	0.25	0	4	1	97	0.00	0.0	2.809	0.000	4	1	1	1
PL.19618	PL.19617	C	4ACSR	15.03Y	125.3	0.00	0.71	2.07	1	31	5	99	0.00	0.0	2.911	0.102	0	0	0	6
PL.8578	PL.19618	C	4ACSR	15.03Y	125.3	0.00	0.72	2.07	1	31	5	99	0.00	0.0	2.938	0.027	0	0	0	6
PL.27867	PL.8578	C	4ACSR	15.03Y	125.3	0.01	0.73	2.07	1	31	5	99	0.00	0.0	3.197	0.258	0	0	0	6

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Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.35139	PL.27867	C	4ACSR	15.03Y	125.3	0.00	0.73	0.41	0	6	1	99	0.00	0.0	3.341	0.145	0	0	0	4
PL.35138	PL.35139	C	2ACSR	15.03Y	125.3	0.00	0.73	0.39	0	6	1	99	0.00	0.0	3.374	0.033	0	0	0	1
0335009	PL.35138	C	Consumer	15.03Y	125.3	0.00	0.73	0.39	0	6	1	99	0.00	0.0	3.374	0.000	6	1	1	1
PL.35140	PL.35139	C	4ACSR	15.03Y	125.3	0.00	0.73	0.02	0	0	0	100	0.00	0.0	3.373	0.031	0	0	0	3
PL.29899	PL.35140	C	4ACSR	15.03Y	125.3	0.00	0.73	0.00	0	0	0	100	0.00	0.0	3.491	0.118	0	0	0	2
PL.29900	PL.29899	C	4ACSR	15.03Y	125.3	0.00	0.73	0.00	0	0	0	100	0.00	0.0	3.710	0.220	0	0	0	1
033504	PL.29900	C	Consumer	15.03Y	125.3	0.00	0.73	0.00	0	0	0	100	0.00	0.0	3.710	0.000	0	0	1	1
0335008	PL.29899	C	Consumer	15.03Y	125.3	0.00	0.73	0.00	0	0	0	100	0.00	0.0	3.491	0.000	0	0	1	1
PL.23865	PL.35140	C	4ACSR	15.03Y	125.3	0.00	0.73	0.00	0	0	0	100	0.00	0.0	3.430	0.057	0	0	0	0
033503	PL.35140	C	Consumer	15.03Y	125.3	0.00	0.73	0.02	0	0	0	100	0.00	0.0	3.373	0.000	0	0	1	1
033507	PL.27867	C	Consumer	15.03Y	125.3	0.00	0.73	0.95	0	14	2	99	0.00	0.0	3.197	0.000	14	2	1	1
033506	PL.27867	C	Consumer	15.03Y	125.3	0.00	0.73	0.71	0	11	2	98	0.00	0.0	3.197	0.000	11	2	1	1
033601	PL.24512	C	Consumer	15.04Y	125.3	0.00	0.70	0.16	0	2	0	100	0.00	0.0	2.670	0.000	2	0	1	1
PL.16836	PL.28019	A	4ACSR	14.90Y	124.2	0.00	1.83	0.39	0	6	1	99	0.00	0.0	2.054	0.004	0	0	0	2
PD.1187	PL.16836	A	fuse6AMP	14.90Y	124.2	0.00	1.83	0.39	7	6	1	99	0.00	0.0	2.054	0.000	0	0	0	2
PL.16837	PD.1187	A	4ACSR	14.90Y	124.2	0.00	1.83	0.39	0	6	1	99	0.00	0.0	2.145	0.091	0	0	0	2
032617	PL.16837	A	Consumer	14.90Y	124.2	0.00	1.83	0.33	0	5	1	98	0.00	0.0	2.145	0.000	5	1	1	1
032631	PL.16837	A	Consumer	14.90Y	124.2	0.00	1.83	0.06	0	1	0	100	0.00	0.0	2.145	0.000	1	0	1	1
032618	PL.19287	B	Consumer	15.13Y	126.1	0.00	-0.12	0.00	0	0	0	100	0.00	0.0	1.953	0.000	0	0	1	1
PL.16838	PL.9672	A	4ACSR	14.92Y	124.3	0.00	1.69	0.33	0	5	1	98	0.00	0.0	1.830	0.007	0	0	0	3
PD.1188	PL.16838	A	fuse6AMP	14.92Y	124.3	0.00	1.69	0.33	6	5	1	98	0.00	0.0	1.830	0.000	0	0	0	3
PL.16839	PD.1188	A	4ACSR	14.92Y	124.3	0.00	1.70	0.33	0	5	1	98	0.00	0.0	1.914	0.084	0	0	0	3
PL.24635	PL.16839	A	4ACSR	14.92Y	124.3	0.00	1.70	0.00	0	0	0	100	0.00	0.0	2.278	0.364	0	0	0	0
032601	PL.24635	A	Consumer	14.92Y	124.3	0.00	1.70	0.00	0	0	0	100	0.00	0.0	2.278	0.000	0	0	0	0
032620	PL.16839	A	Consumer	14.92Y	124.3	0.00	1.70	0.18	0	3	0	100	0.00	0.0	1.914	0.000	3	0	1	1
032602	PL.16839	A	Consumer	14.92Y	124.3	0.00	1.70	0.00	0	0	0	100	0.00	0.0	1.914	0.000	0	0	1	1
032614	PL.16839	A	Consumer	14.92Y	124.3	0.00	1.70	0.14	0	2	0	100	0.00	0.0	1.914	0.000	2	0	1	1
PL.18048	PL.9671	A	4ACSR	14.94Y	124.5	0.00	1.50	0.23	0	3	1	95	0.00	0.0	1.488	0.006	0	0	0	1
PD.1201	PL.18048	A	fuse6AMP	14.94Y	124.5	0.00	1.50	0.23	4	3	1	95	0.00	0.0	1.488	0.000	0	0	0	1
PL.18049	PD.1201	A	4ACSR	14.94Y	124.5	0.00	1.50	0.23	0	3	1	95	0.00	0.0	1.517	0.030	0	0	0	1
032535	PL.18049	A	Consumer	14.94Y	124.5	0.00	1.50	0.23	0	3	1	95	0.00	0.0	1.517	0.000	3	1	1	1
032536	PL.9671	C	Consumer	15.06Y	125.5	0.00	0.49	0.24	0	4	1	97	0.00	0.0	1.482	0.000	4	1	1	1
032546	PL.9671	C	Consumer	15.06Y	125.5	0.00	0.49	0.28	0	4	1	97	0.00	0.0	1.482	0.000	4	1	1	1
032551	PL.9671	C	Consumer	15.06Y	125.5	0.00	0.49	0.14	0	2	0	100	0.00	0.0	1.482	0.000	2	0	1	1
032557	PL.9671	C	Consumer	15.06Y	125.5	0.00	0.49	0.00	0	0	0	100	0.00	0.0	1.482	0.000	0	0	0	0
PL.18046	PL.9671	C	4ACSR	15.06Y	125.5	0.00	0.49	0.15	0	2	0	100	0.00	0.0	1.492	0.011	0	0	0	1
PD.1203	PL.18046	C	fuse6AMP	15.06Y	125.5	0.00	0.49	0.15	3	2	0	100	0.00	0.0	1.492	0.000	0	0	0	1
PL.18047	PD.1203	C	4ACSR	15.06Y	125.5	0.00	0.49	0.15	0	2	0	100	0.00	0.0	1.586	0.094	0	0	0	1

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

Unbalanced Voltage Drop Report
Source: FRENCHBURG

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
032518	PL.18047	C	Consumer	15.06Y	125.5	0.00	0.49	0.15	0	2	0	100	0.00	0.0	1.586	0.000	2	0	1	1
032523	PL.9669	A	Consumer	14.94Y	124.5	0.00	1.47	0.22	0	3	1	95	0.00	0.0	1.435	0.000	3	1	1	1
032543	PL.9669	A	Consumer	14.94Y	124.5	0.00	1.47	0.00	0	0	0	100	0.00	0.0	1.435	0.000	0	0	0	0
032552	PL.9669	A	Consumer	14.94Y	124.5	0.00	1.47	0.12	0	2	0	100	0.00	0.0	1.435	0.000	2	0	1	1
PL.18040	PL.9662	A	4ACSR	14.97Y	124.8	0.00	1.23	1.40	1	21	3	99	0.00	0.0	1.049	0.003	0	0	0	3
PD.1205	PL.18040	A	fuse6AMP	14.97Y	124.8	0.00	1.23	1.40	24	21	3	99	0.00	0.0	1.049	0.000	0	0	0	3
PL.18041	PD.1205	A	4ACSR	14.97Y	124.8	0.00	1.23	1.40	1	21	3	99	0.00	0.0	1.087	0.038	0	0	0	3
PL.1731	PL.18041	A	4ACSR	14.97Y	124.8	0.00	1.23	1.01	1	15	2	99	0.00	0.0	1.110	0.023	0	0	0	2
032537	PL.1731	A	Consumer	14.97Y	124.8	0.00	1.23	0.63	0	9	2	98	0.00	0.0	1.110	0.000	9	2	1	1
032538	PL.1731	A	Consumer	14.97Y	124.8	0.00	1.23	0.38	0	6	1	99	0.00	0.0	1.110	0.000	6	1	1	1
032539	PL.18041	A	Consumer	14.97Y	124.8	0.00	1.23	0.00	0	0	0	100	0.00	0.0	1.087	0.000	0	0	0	0
PL.4875	PL.18041	A	4ACSR	14.97Y	124.8	0.00	1.23	0.38	0	6	1	99	0.00	0.0	1.175	0.087	0	0	0	1
032519	PL.4875	A	Consumer	14.97Y	124.8	0.00	1.23	0.38	0	6	1	99	0.00	0.0	1.175	0.000	6	1	1	1
032548	PL.9661	B	Consumer	15.12Y	126.0	0.00	0.02	0.00	0	0	0	100	0.00	0.0	0.948	0.000	0	0	1	1
032556	PL.9661	B	Consumer	15.12Y	126.0	0.00	0.02	0.32	0	5	1	98	0.00	0.0	0.948	0.000	5	1	1	1
PL.18039	PL.9660	B	4ACSR	15.11Y	126.0	0.00	0.04	1.41	1	21	4	98	0.00	0.0	0.806	0.007	0	0	0	4
PD.1200	PL.18039	B	fuse6AMP	15.11Y	126.0	0.00	0.04	1.41	24	21	4	98	0.00	0.0	0.806	0.000	0	0	0	4
PL.20603	PD.1200	B	4ACSR	15.11Y	126.0	0.00	0.04	1.41	1	21	4	98	0.00	0.0	0.851	0.045	0	0	0	4
PL.20257	PL.20603	B	4ACSR	15.11Y	126.0	0.00	0.04	1.08	1	16	3	98	0.00	0.0	0.881	0.030	0	0	0	3
032558	PL.20257	B	Consumer	15.11Y	126.0	0.00	0.04	0.06	0	1	0	100	0.00	0.0	0.881	0.000	1	0	1	1
032521	PL.20257	B	Consumer	15.11Y	126.0	0.00	0.04	0.64	0	10	2	98	0.00	0.0	0.881	0.000	10	2	1	1
032502	PL.20257	B	Consumer	15.11Y	126.0	0.00	0.04	0.38	0	6	1	99	0.00	0.0	0.881	0.000	6	1	1	1
032562	PL.20603	B	Consumer	15.11Y	126.0	0.00	0.04	0.33	0	5	1	98	0.00	0.0	0.851	0.000	5	1	1	1
PL.27289	PL.9659	C	4ACSR	15.09Y	125.7	0.00	0.26	0.45	0	7	1	99	0.00	0.0	0.545	0.004	0	0	0	2
PD.1206	PL.27289	C	fuse6AMP	15.09Y	125.7	0.00	0.26	0.45	8	7	1	99	0.00	0.0	0.545	0.000	0	0	0	2
PL.27290	PD.1206	C	4ACSR	15.09Y	125.7	0.00	0.26	0.45	0	7	1	99	0.00	0.0	0.583	0.038	0	0	0	2
032531	PL.27290	C	Consumer	15.09Y	125.7	0.00	0.26	0.44	0	7	1	99	0.00	0.0	0.583	0.000	7	1	1	1
032559	PL.27290	C	Consumer	15.09Y	125.7	0.00	0.26	0.01	0	0	0	100	0.00	0.0	0.583	0.000	0	0	1	1
032473	PL.9658	B	Consumer	15.11Y	125.9	0.00	0.09	0.11	0	2	0	100	0.00	0.0	0.485	0.000	2	0	1	1
032457	PL.27340	A	Consumer	15.05Y	125.4	0.00	0.59	0.00	0	0	0	100	0.00	0.0	0.020	0.000	0	0	0	0
032487	PL.27340	A	Consumer	15.05Y	125.4	0.00	0.59	0.71	0	11	2	98	0.00	0.0	0.020	0.000	11	2	1	1

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

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	11412	0	0	0	0	0	720	0.00	12132
KVAR	2764	0	-647	-56	0	0	580		2641

Lowest Voltage	Highest Accumulated Voltage Drop	Highest Element Voltage Drop
A-Phase -> 109.55 volts on PL.23265	16.45 volts on PL.23265	2.31 volts on ST.27
B-Phase -> 111.71 volts on PL.9470	14.29 volts on PL.9470	1.02 volts on PL.9470
C-Phase -> 112.32 volts on PL.9470	13.68 volts on PL.9470	0.87 volts on PL.20745

Unbalanced Voltage Drop Report
Source: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
HARDWICH'S C...		A	NoImpd	7.56Y	126.0	0.00	0.00	146.37	0	1060	319	96	0.00	0.0	0.000	0.000	0	0	0	210
		B		7.56Y	126.0	0.00	0.00	260.19	0	1853	660	94					0	0	0	343
		C		7.56Y	126.0	0.00	0.00	153.32	0	1107	342	96					0	0	0	192
OH22	HARDWICH'S C...	A	336ACSR	7.56Y	126.0	0.01	0.01	0.00	0	0	0	100	0.30	0.0	0.028	0.028	0	0	0	0
		B		7.56Y	125.9	0.06	0.06	163.76	22	1136	493	92					0	0	0	199
		C		7.56Y	126.0	-0.03	-0.03	0.00	0	0	0	100					0	0	0	0
---------- Feeder No. 3 (HARDWICK3) Beginning with Device OCD41 ----------																				
OCD41	OH22	A	VWVE	7.56Y	126.0	0.00	0.01	0.00	0	0	0	100	0.00	0.0	0.028	0.000	0	0	0	0
		B		7.56Y	125.9	0.00	0.06	163.76	0	1135	492	92					0	0	0	199
		C		7.56Y	126.0	0.00	-0.03	0.00	0	0	0	100					0	0	0	0
OH40	OCD41	A	336ACSR	7.56Y	126.0	0.01	0.02	0.00	0	0	0	100	0.17	0.0	0.044	0.016	0	0	0	0
		B		7.55Y	125.9	0.03	0.09	163.76	22	1135	492	92					0	0	0	199
		C		7.56Y	126.1	-0.02	-0.05	0.00	0	0	0	100					0	0	0	0
OH24	OH40	A	336ACSR	7.56Y	126.0	0.00	0.02	0.00	0	0	0	100	0.00	0.0	0.049	0.004	0	0	0	0
		B		7.55Y	125.9	0.00	0.09	0.00	0	0	0	100					0	0	0	0
		C		7.56Y	126.1	0.00	-0.05	0.00	0	0	0	100					0	0	0	0
SW26-B	OH24	A	Open	7.56Y	126.0	0.00	0.02	0.00	0	0	0	100	0.00	0.0	0.049	0.000	0	0	0	0
		B		7.55Y	125.9	0.00	0.09	0.00	0	0	0	100					0	0	0	0
		C		7.56Y	126.1	0.00	-0.05	0.00	0	0	0	100					0	0	0	0
OH23	OH40	A	336ACSR	7.56Y	126.0	0.02	0.04	0.00	0	0	0	100	0.66	0.1	0.093	0.048	0	0	0	0
		B		7.55Y	125.8	0.13	0.22	163.76	22	1135	492	92					0	0	0	199
		C		7.57Y	126.1	-0.08	-0.13	0.00	0	0	0	100					0	0	0	0
PL.12726	OH23	A	336ACSR	7.55Y	125.9	0.05	0.08	0.00	0	0	0	100	1.35	0.1	0.192	0.099	0	0	0	0
		B		7.53Y	125.5	0.26	0.48	163.76	22	1135	490	92					0	0	0	199
		C		7.58Y	126.3	-0.17	-0.30	0.00	0	0	0	100					0	0	0	0
PL.15315	PL.12726	B	4ACSR	7.53Y	125.5	0.00	0.48	1.11	1	8	3	94	0.00	0.0	0.197	0.005	0	0	0	1
PD.2112	PL.15315	B	fuse6AMP	7.53Y	125.5	0.00	0.48	1.11	19	8	3	94	0.00	0.0	0.197	0.000	0	0	0	1
PL.15316	PD.2112	B	4ACSR	7.53Y	125.5	0.00	0.49	1.11	1	8	3	94	0.00	0.0	0.285	0.087	0	0	0	1
074514	PL.15316	B	Consumer	7.53Y	125.5	0.00	0.49	1.11	0	8	3	94	0.00	0.0	0.285	0.000	8	3	1	1
0745044	PL.12726	B	Consumer	7.53Y	125.5	0.00	0.48	0.00	0	0	0	100	0.00	0.0	0.192	0.000	0	0	1	1
PL.12727	PL.12726	A	336ACSR	7.55Y	125.9	0.05	0.13	0.00	0	0	0	100	1.45	0.1	0.299	0.108	0	0	0	0
		B		7.51Y	125.2	0.28	0.76	162.65	22	1125	484	92					0	0	0	197
		C		7.59Y	126.5	-0.18	-0.48	0.00	0	0	0	100					0	0	0	0
PL.12724	PL.12727	A	336ACSR	7.55Y	125.8	0.04	0.17	0.00	0	0	0	100	1.12	0.1	0.385	0.085	0	0	0	0
		B		7.50Y	125.0	0.22	0.98	160.89	22	1112	475	92					0	0	0	195
		C		7.60Y	126.6	-0.14	-0.63	0.00	0	0	0	100					0	0	0	0
PL.12725	PL.12724	A	336ACSR	7.55Y	125.8	0.05	0.22	0.00	0	0	0	100	1.51	0.1	0.501	0.116	0	0	0	0
		B		7.48Y	124.7	0.30	1.28	159.57	22	1101	469	92					0	0	0	194
		C		7.61Y	126.8	-0.19	-0.82	0.00	0	0	0	100					0	0	0	0
PL.15057	PL.12725	B	4ACSR	7.48Y	124.7	0.00	1.28	0.83	0	6	2	95	0.00	0.0	0.507	0.006	0	0	0	1
PD.2113	PL.15057	B	fuse6AMP	7.48Y	124.7	0.00	1.28	0.83	14	6	2	95	0.00	0.0	0.507	0.000	0	0	0	1
PL.15058	PD.2113	B	4ACSR	7.48Y	124.7	0.00	1.28	0.83	0	6	2	95	0.00	0.0	0.599	0.092	0	0	0	1
073517	PL.15058	B	Consumer	7.48Y	124.7	0.00	1.28	0.83	0	6	2	95	0.00	0.0	0.599	0.000	6	2	1	1
PL.46028	PL.12725	A	336ACSR	7.53Y	125.5	0.29	0.51	0.00	0	0	0	100	8.61	0.8	1.185	0.684	0	0	0	0
		B		7.38Y	123.0	1.70	2.98	157.33	22	1084	460	92					0	0	0	192
H		C		7.68Y	127.9	-1.12	-1.94	0.00	0	0	0	100					0	0	0	0 H
PL.46027	PL.46028	B	2ACSR	7.38Y	123.0	0.00	2.98	0.00	0	0	0	100	0.00	0.0	1.219	0.035	0	0	0	0
0734078	PL.46027	B	Consumer	7.38Y	123.0	0.00	2.98	0.00	0	0	0	100	0.00	0.0	1.219	0.000	0	0	0	0
PL.46029	PL.46028	A	336ACSR	7.52Y	125.4	0.07	0.59	0.00	0	0	0	100	2.24	0.2	1.363	0.178	0	0	0	0
		B		7.36Y	122.6	0.44	3.41	157.33	22	1075	439	93					0	0	0	192
H		C		7.69Y	128.2	-0.29	-2.24	0.00	0	0	0	100					0	0	0	0 H

Unbalanced Voltage Drop Report
Source: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
074464	PL.46029	B	Consumer	7.36Y	122.6	0.00	3.41	0.29	0	2	1	89	0.00	0.0	1.363	0.000	2	1	1	1	
PL.24447	PL.46029	B	4ACSR	7.35Y	122.6	0.01	3.43	2.03	1	14	5	94	0.00	0.0	1.480	0.118	0	0	0	2	
073420	PL.24447	B	Consumer	7.35Y	122.6	0.00	3.43	0.82	0	6	2	95	0.00	0.0	1.480	0.000	6	2	1	1	
073455	PL.24447	B	Consumer	7.35Y	122.6	0.00	3.43	1.21	0	8	3	94	0.00	0.0	1.480	0.000	8	3	1	1	
PL.12775	PL.46029	A	336ACSR	7.52Y	125.4	0.06	0.64	0.00	0	0	0	100	1.75	0.2	1.506	0.143	0	0	0	0	
		B		7.33Y	122.2	0.35	3.76	155.01	21	1057	427	93					0	0	0	189	
H		C		7.71Y	128.5	-0.23	-2.47	0.00	0	0	0	100					0	0	0	0	H
074446	PL.12775	B	Consumer	7.33Y	122.2	0.00	3.76	0.00	0	0	0	100	0.00	0.0	1.506	0.000	0	0	0	0	
074428	PL.12775	B	Consumer	7.33Y	122.2	0.00	3.76	1.56	0	11	4	94	0.00	0.0	1.506	0.000	11	4	1	1	
PL.12776	PL.12775	B	4ACSR	7.33Y	122.1	0.10	3.87	26.88	14	184	70	93	0.15	0.1	1.591	0.084	0	0	0	35	
PL.25289	PL.12776	B	4ACSR	7.32Y	122.1	0.06	3.93	25.20	13	173	65	94	0.08	0.0	1.646	0.055	0	0	0	34	
PL.25290	PL.25289	B	4ACSR	7.31Y	121.9	0.16	4.09	25.20	13	173	65	94	0.21	0.1	1.787	0.141	0	0	0	34	
PL.34896	PL.25290	B	4ACSR	7.31Y	121.9	0.00	4.09	6.34	3	43	16	94	0.00	0.0	1.792	0.006	0	0	0	6	
C PD.4998	PL.34896	B	fuse6AMP	7.31Y	121.9	0.00	4.09	6.34	108	43	16	94	0.00	0.0	1.792	0.000	0	0	0	6	C
PL.34895	PD.4998	B	4ACSR	7.31Y	121.9	0.03	4.13	6.34	3	43	16	94	0.01	0.0	1.903	0.110	0	0	0	6	
074415	PL.34895	B	Consumer	7.31Y	121.9	0.00	4.13	1.12	0	8	3	94	0.00	0.0	1.903	0.000	8	3	1	1	
074450	PL.34895	B	Consumer	7.31Y	121.9	0.00	4.13	1.49	0	10	4	93	0.00	0.0	1.903	0.000	10	4	1	1	
PL.19249	PL.34895	B	4ACSR	7.31Y	121.9	0.02	4.14	3.73	2	26	10	93	0.00	0.0	1.997	0.094	0	0	0	4	
PL.27839	PL.19249	B	4ACSR	7.31Y	121.8	0.02	4.16	3.73	2	26	10	93	0.00	0.0	2.086	0.089	0	0	0	4	
PL.20887	PL.27839	B	4ACSR	7.31Y	121.8	0.00	4.16	1.24	1	8	3	94	0.00	0.0	2.132	0.046	0	0	0	3	
PL.20836	PL.20887	B	4ACSR	7.31Y	121.8	0.01	4.17	1.24	1	8	3	94	0.00	0.0	2.342	0.210	0	0	0	3	
PD.511-A	PL.20836	B	Closed	7.31Y	121.8	0.00	4.17	1.24	0	8	3	94	0.00	0.0	2.342	0.000	0	0	0	3	
PD.511-B	PD.511-A	B	Closed	7.31Y	121.8	0.00	4.17	1.24	0	8	3	94	0.00	0.0	2.342	0.000	0	0	0	3	
PL.15063	PD.511-B	B	4ACSR	7.31Y	121.8	0.00	4.17	1.24	1	8	3	94	0.00	0.0	2.347	0.005	0	0	0	3	
PL.12773	PL.15063	B	4ACSR	7.31Y	121.8	0.00	4.17	0.00	0	0	0	100	0.00	0.0	2.353	0.005	0	0	0	0	
PD.512-A	PL.12773	B	Open	7.31Y	121.8	0.00	4.17	0.00	0	0	0	100	0.00	0.0	2.353	0.000	0	0	0	0	
074401	PL.15063	B	Consumer	7.31Y	121.8	0.00	4.17	0.32	0	2	1	89	0.00	0.0	2.347	0.000	2	1	1	1	
PL.15064	PL.15063	B	4ACSR	7.31Y	121.8	0.00	4.17	0.92	0	6	2	95	0.00	0.0	2.353	0.005	0	0	0	2	
PD.2114	PL.15064	B	fuse6AMP	7.31Y	121.8	0.00	4.17	0.92	16	6	2	95	0.00	0.0	2.353	0.000	0	0	0	2	
PL.15065	PD.2114	B	4ACSR	7.31Y	121.8	0.00	4.18	0.92	0	6	2	95	0.00	0.0	2.441	0.088	0	0	0	2	
074410	PL.15065	B	Consumer	7.31Y	121.8	0.00	4.18	0.53	0	4	1	97	0.00	0.0	2.441	0.000	4	1	1	1	
074517	PL.15065	B	Consumer	7.31Y	121.8	0.00	4.18	0.39	0	3	1	95	0.00	0.0	2.441	0.000	3	1	1	1	
074459	PL.27839	B	Consumer	7.31Y	121.8	0.00	4.16	2.49	0	17	6	94	0.00	0.0	2.086	0.000	17	6	1	1	
PL.34899	PL.25290	B	4ACSR	7.31Y	121.9	0.00	4.10	9.87	5	68	26	93	0.00	0.0	1.795	0.008	0	0	0	14	
C PD.5000	PL.34899	B	fuse6AMP	7.31Y	121.9	0.00	4.10	9.87	169	68	26	93	0.00	0.0	1.795	0.000	0	0	0	14	C
PL.34900	PD.5000	B	4ACSR	7.31Y	121.9	0.00	4.10	9.87	5	68	26	93	0.00	0.0	1.804	0.009	0	0	0	14	
074447	PL.34900	B	Consumer	7.31Y	121.9	0.00	4.10	0.76	0	5	2	93	0.00	0.0	1.804	0.000	5	2	1	1	
074457	PL.34900	B	Consumer	7.31Y	121.9	0.00	4.10	0.04	0	0	0	100	0.00	0.0	1.804	0.000	0	0	1	1	
074458	PL.34900	B	Consumer	7.31Y	121.9	0.00	4.10	0.80	0	5	2	93	0.00	0.0	1.804	0.000	5	2	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: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
074433	PL.34900	B	Consumer	7.31Y	121.9	0.00	4.10	0.00	0	0	0	100	0.00	0.0	1.804	0.000	0	0	0	0
PL.12777	PL.34900	B	4ACSR	7.31Y	121.8	0.05	4.15	8.26	4	56	22	93	0.02	0.0	1.941	0.137	0	0	0	11
PL.12778	PL.12777	B	4ACSR	7.31Y	121.8	0.00	4.15	0.00	0	0	0	100	0.00	0.0	2.079	0.138	0	0	0	0
PL.24441	PL.12777	B	4ACSR	7.31Y	121.8	0.02	4.18	8.26	4	56	21	94	0.01	0.0	2.006	0.065	0	0	0	11
PL.24443	PL.24441	B	4ACSR	7.31Y	121.8	0.00	4.18	2.14	1	15	6	93	0.00	0.0	2.050	0.044	0	0	0	2
PL.24444	PL.24443	B	4ACSR	7.31Y	121.8	0.00	4.18	0.82	0	6	2	95	0.00	0.0	2.102	0.052	0	0	0	1
074436	PL.24444	B	Consumer	7.31Y	121.8	0.00	4.18	0.82	0	6	2	95	0.00	0.0	2.102	0.000	6	2	1	1
074424	PL.24443	B	Consumer	7.31Y	121.8	0.00	4.18	0.00	0	0	0	100	0.00	0.0	2.050	0.000	0	0	0	0
074434	PL.24443	B	Consumer	7.31Y	121.8	0.00	4.18	1.32	0	9	3	95	0.00	0.0	2.050	0.000	9	3	1	1
PL.34901	PL.24441	B	4ACSR	7.31Y	121.8	0.02	4.20	6.12	3	42	16	93	0.01	0.0	2.093	0.087	0	0	0	9
PD.5001-A	PL.34901	B	Closed	7.31Y	121.8	0.00	4.20	6.12	0	42	16	93	0.00	0.0	2.093	0.000	0	0	0	9
PD.5001-B	PD.5001-A	B	Closed	7.31Y	121.8	0.00	4.20	6.12	0	42	16	93	0.00	0.0	2.093	0.000	0	0	0	9
PL.34902	PD.5001-B	B	4ACSR	7.31Y	121.8	0.00	4.21	6.12	3	42	16	93	0.00	0.0	2.110	0.016	0	0	0	9
PL.8194	PL.34902	B	4ACSR	7.31Y	121.8	0.00	4.21	4.05	2	28	10	94	0.00	0.0	2.110	0.000	0	0	0	6
PL.24442	PL.8194	B	4ACSR	7.31Y	121.8	0.02	4.22	4.05	2	28	10	94	0.00	0.0	2.199	0.089	0	0	0	6
PL.24440	PL.24442	B	4ACSR	7.31Y	121.8	0.00	4.23	1.93	1	13	5	93	0.00	0.0	2.247	0.048	0	0	0	3
074417	PL.24440	B	Consumer	7.31Y	121.8	0.00	4.23	0.04	0	0	0	100	0.00	0.0	2.247	0.000	0	0	1	1
074466	PL.24440	B	Consumer	7.31Y	121.8	0.00	4.23	0.87	0	6	2	95	0.00	0.0	2.247	0.000	6	2	1	1
PL.24468	PL.24440	B	4ACSR	7.31Y	121.8	0.00	4.23	1.02	1	7	3	92	0.00	0.0	2.296	0.048	0	0	0	1
074467	PL.24468	B	Consumer	7.31Y	121.8	0.00	4.23	1.02	0	7	3	92	0.00	0.0	2.296	0.000	7	3	1	1
PL.24436	PL.24442	B	4ACSR	7.31Y	121.8	0.00	4.22	0.61	0	4	2	89	0.00	0.0	2.306	0.107	0	0	0	2
074451	PL.24436	B	Consumer	7.31Y	121.8	0.00	4.22	0.22	0	2	1	89	0.00	0.0	2.306	0.000	2	1	1	1
074452	PL.24436	B	Consumer	7.31Y	121.8	0.00	4.22	0.38	0	3	1	95	0.00	0.0	2.306	0.000	3	1	1	1
074405	PL.24436	B	Consumer	7.31Y	121.8	0.00	4.22	0.00	0	0	0	100	0.00	0.0	2.306	0.000	0	0	0	0
PL.8217	PL.24442	B	4ACSR	7.31Y	121.8	0.00	4.23	1.52	1	10	4	93	0.00	0.0	2.269	0.070	0	0	0	1
PL.8218	PL.8217	B	4ACSR	7.31Y	121.8	0.00	4.23	0.00	0	0	0	100	0.00	0.0	2.270	0.000	0	0	0	0
074463	PL.8217	B	Consumer	7.31Y	121.8	0.00	4.23	1.52	0	10	4	93	0.00	0.0	2.269	0.000	10	4	1	1
074431	PL.34902	B	Consumer	7.31Y	121.8	0.00	4.21	1.37	0	9	4	91	0.00	0.0	2.110	0.000	9	4	1	1
074409	PL.34902	B	Consumer	7.31Y	121.8	0.00	4.21	0.00	0	0	0	100	0.00	0.0	2.110	0.000	0	0	0	0
074468	PL.34902	B	Consumer	7.31Y	121.8	0.00	4.21	0.33	0	2	1	89	0.00	0.0	2.110	0.000	2	1	1	1
074425	PL.34902	B	Consumer	7.31Y	121.8	0.00	4.21	0.37	0	2	1	89	0.00	0.0	2.110	0.000	2	1	1	1
PL.34897	PL.25290	B	4ACSR	7.31Y	121.9	0.01	4.10	8.98	5	61	23	94	0.00	0.0	1.802	0.016	0	0	0	14
C PD.4999	PL.34897	B	fuse6AMP	7.31Y	121.9	0.00	4.10	8.98	153	61	23	94	0.00	0.0	1.802	0.000	0	0	0	14 C
PL.34898	PD.4999	B	4ACSR	7.31Y	121.9	0.01	4.11	8.98	5	61	23	94	0.01	0.0	1.829	0.027	0	0	0	14
PL.8216	PL.34898	B	4ACSR	7.31Y	121.9	0.03	4.14	8.76	5	60	23	93	0.01	0.0	1.897	0.068	0	0	0	13
074420	PL.8216	B	Consumer	7.31Y	121.9	0.00	4.14	0.00	0	0	0	100	0.00	0.0	1.897	0.000	0	0	1	1
074437	PL.8216	B	Consumer	7.31Y	121.9	0.00	4.14	0.00	0	0	0	100	0.00	0.0	1.897	0.000	0	0	0	0
074403	PL.8216	B	Consumer	7.31Y	121.9	0.00	4.14	0.42	0	3	1	95	0.00	0.0	1.897	0.000	3	1	1	1

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

Unbalanced Voltage Drop Report
Source: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
074453	PL.8216	B	Consumer	7.31Y	121.9	0.00	4.14	0.68	0	5	2	93	0.00	0.0	1.897	0.000	5	2	1	1	
PL.19044	PL.8216	B	4ACSR	7.31Y	121.9	0.01	4.15	6.21	3	43	16	94	0.00	0.0	1.938	0.040	0	0	0	8	
PL.19045	PL.19044	B	4ACSR	7.31Y	121.8	0.02	4.17	5.43	3	37	14	94	0.01	0.0	2.022	0.084	0	0	0	7	
074407	PL.19045	B	Consumer	7.31Y	121.8	0.00	4.17	1.37	0	9	4	91	0.00	0.0	2.022	0.000	9	4	1	1	
074430	PL.19045	B	Consumer	7.31Y	121.8	0.00	4.17	0.58	0	4	1	97	0.00	0.0	2.022	0.000	4	1	1	1	
074418	PL.19045	B	Consumer	7.31Y	121.8	0.00	4.17	0.38	0	3	1	95	0.00	0.0	2.022	0.000	3	1	1	1	
PL.12779	PL.19045	B	4ACSR	7.31Y	121.8	0.01	4.18	3.10	2	21	8	93	0.00	0.0	2.086	0.064	0	0	0	4	
PL.12780	PL.12779	B	4ACSR	7.31Y	121.8	0.00	4.18	0.00	0	0	0	100	0.00	0.0	2.244	0.158	0	0	0	0	
074456	PL.12780	B	Consumer	7.31Y	121.8	0.00	4.18	0.00	0	0	0	100	0.00	0.0	2.244	0.000	0	0	0	0	
PL.24281	PL.12779	B	4ACSR	7.31Y	121.8	0.00	4.18	0.00	0	0	0	100	0.00	0.0	2.234	0.148	0	0	0	0	
074411	PL.24281	B	Consumer	7.31Y	121.8	0.00	4.18	0.00	0	0	0	100	0.00	0.0	2.234	0.000	0	0	0	0	
PL.24492	PL.12779	B	4ACSR	7.31Y	121.8	0.01	4.19	1.39	1	10	4	93	0.00	0.0	2.212	0.126	0	0	0	2	
074427	PL.24492	B	Consumer	7.31Y	121.8	0.00	4.19	0.53	0	4	1	97	0.00	0.0	2.212	0.000	4	1	1	1	
0744071	PL.24492	B	Consumer	7.31Y	121.8	0.00	4.19	0.86	0	6	2	95	0.00	0.0	2.212	0.000	6	2	1	1	
074438	PL.12779	B	Consumer	7.31Y	121.8	0.00	4.18	0.94	0	6	2	95	0.00	0.0	2.086	0.000	6	2	1	1	
074416	PL.12779	B	Consumer	7.31Y	121.8	0.00	4.18	0.77	0	5	2	93	0.00	0.0	2.086	0.000	5	2	1	1	
074421	PL.19044	B	Consumer	7.31Y	121.9	0.00	4.15	0.78	0	5	2	93	0.00	0.0	1.938	0.000	5	2	1	1	
074469	074421	B	Consumer	7.31Y	121.9	0.00	4.15	0.00	0	0	0	100	0.00	0.0	1.938	0.000	0	0	0	0	
PL.24458	PL.8216	B	4ACSR	7.31Y	121.9	0.01	4.14	1.45	1	10	4	93	0.00	0.0	1.998	0.101	0	0	0	2	
074406	PL.24458	B	Consumer	7.31Y	121.9	0.00	4.14	0.00	0	0	0	100	0.00	0.0	1.998	0.000	0	0	0	0	
074402	PL.24458	B	Consumer	7.31Y	121.9	0.00	4.14	0.22	0	2	1	89	0.00	0.0	1.998	0.000	2	1	1	1	
074426	PL.24458	B	Consumer	7.31Y	121.9	0.00	4.14	1.23	0	8	3	94	0.00	0.0	1.998	0.000	8	3	1	1	
074462	PL.34898	B	Consumer	7.31Y	121.9	0.00	4.11	0.22	0	1	1	71	0.00	0.0	1.829	0.000	1	1	1	1	
074414	PL.12776	B	Consumer	7.33Y	122.1	0.00	3.87	1.68	0	12	4	95	0.00	0.0	1.591	0.000	12	4	1	1	
074422	PL.12776	B	Consumer	7.33Y	122.1	0.00	3.87	0.00	0	0	0	100	0.00	0.0	1.591	0.000	0	0	0	0	
PL.44254	PL.12775	A	336ACSR	7.52Y	125.3	0.09	0.73	0.00	0	0	0	100	2.08	0.2	1.833	0.327	0	0	0	0	
		B		7.30Y	121.7	0.52	4.29	126.58	17	860	349	93					0	0	0	153	
H		C		7.73Y	128.8	-0.29	-2.76	0.00	0	0	0	100					0	0	0	0	H
PL.34875	PL.44254	B	4ACSR	7.30Y	121.7	0.00	4.29	0.21	0	1	1	71	0.00	0.0	1.843	0.010	0	0	0	1	
PD.4988	PL.34875	B	fuse6AMP	7.30Y	121.7	0.00	4.29	0.21	4	1	1	71	0.00	0.0	1.843	0.000	0	0	0	1	
PL.34876	PD.4988	B	4ACSR	7.30Y	121.7	0.00	4.29	0.21	0	1	1	71	0.00	0.0	1.908	0.066	0	0	0	1	
073431	PL.34876	B	Consumer	7.30Y	121.7	0.00	4.29	0.21	0	1	1	71	0.00	0.0	1.908	0.000	1	1	1	1	
PL.8197	PL.44254	A	336ACSR	7.51Y	125.2	0.02	0.75	0.00	0	0	0	100	0.45	0.1	1.889	0.056	0	0	0	0	
		B		7.30Y	121.6	0.11	4.40	125.12	17	848	340	93					0	0	0	151	
H		C		7.73Y	128.8	-0.07	-2.83	0.00	0	0	0	100					0	0	0	0	H
073409	PL.8197	B	Consumer	7.30Y	121.6	0.00	4.40	0.47	0	3	1	95	0.00	0.0	1.889	0.000	3	1	1	1	
PL.8198	PL.8197	A	336ACSR	7.51Y	125.2	0.03	0.78	0.00	0	0	0	100	0.85	0.1	1.997	0.107	0	0	0	0	
		B		7.28Y	121.4	0.21	4.60	124.65	17	845	338	93					0	0	0	150	
H		C		7.74Y	129.0	-0.14	-2.97	0.00	0	0	0	100					0	0	0	0	H
PL.8199	PL.8198	A	336ACSR	7.51Y	125.2	0.02	0.81	0.00	0	0	0	100	0.61	0.1	2.074	0.078	0	0	0	0	
		B		7.27Y	121.2	0.15	4.75	124.13	17	840	334	93					0	0	0	149	
H		C		7.74Y	129.1	-0.10	-3.07	0.00	0	0	0	100					0	0	0	0	H

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: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
	073447	PL.8199	B	Consumer	7.27Y	121.2	0.00	4.75	0.42	0	3	1	95	0.00	0.0	2.074	0.000	3	1	1	1	
	073426	PL.8199	B	Consumer	7.27Y	121.2	0.00	4.75	1.20	0	8	3	94	0.00	0.0	2.074	0.000	8	3	1	1	
	PL.34879	PL.8199	B	4ACSR	7.27Y	121.2	0.01	4.76	6.20	3	42	16	93	0.00	0.0	2.095	0.021	0	0	0	9	
C	PD.4990	PL.34879	B	fuse6AMP	7.27Y	121.2	0.00	4.76	6.20	106	42	16	93	0.00	0.0	2.095	0.000	0	0	0	9	C
	PL.34880	PD.4990	B	4ACSR	7.27Y	121.2	0.01	4.77	6.20	3	42	16	93	0.00	0.0	2.124	0.029	0	0	0	9	
	073469	PL.34880	B	Consumer	7.27Y	121.2	0.00	4.77	1.14	0	8	3	94	0.00	0.0	2.124	0.000	8	3	1	1	
	PL.26083	PL.34880	B	4ACSR	7.27Y	121.2	0.01	4.78	5.06	3	34	13	93	0.00	0.0	2.185	0.061	0	0	0	8	
	PL.8207	PL.26083	B	4ACSR	7.27Y	121.2	0.01	4.79	3.26	2	22	8	94	0.00	0.0	2.268	0.084	0	0	0	5	
	PL.26084	PL.8207	B	4ACSR	7.27Y	121.2	0.01	4.80	1.62	1	11	4	94	0.00	0.0	2.353	0.084	0	0	0	2	
	PL.12722	PL.26084	B	4ACSR	7.27Y	121.2	0.01	4.81	1.56	1	11	4	94	0.00	0.0	2.442	0.089	0	0	0	1	
	073419	PL.12722	B	Consumer	7.27Y	121.2	0.00	4.81	1.56	0	11	4	94	0.00	0.0	2.442	0.000	11	4	1	1	
	073450	PL.26084	B	Consumer	7.27Y	121.2	0.00	4.80	0.06	0	0	0	100	0.00	0.0	2.353	0.000	0	0	1	1	
	073414	PL.8207	B	Consumer	7.27Y	121.2	0.00	4.79	0.75	0	5	2	93	0.00	0.0	2.268	0.000	5	2	1	1	
	073418	PL.8207	B	Consumer	7.27Y	121.2	0.00	4.79	0.51	0	3	1	95	0.00	0.0	2.268	0.000	3	1	1	1	
	073416	PL.8207	B	Consumer	7.27Y	121.2	0.00	4.79	0.38	0	3	1	95	0.00	0.0	2.268	0.000	3	1	1	1	
	073408	PL.26083	B	Consumer	7.27Y	121.2	0.00	4.78	0.34	0	2	1	89	0.00	0.0	2.185	0.000	2	1	1	1	
	073422	PL.26083	B	Consumer	7.27Y	121.2	0.00	4.78	0.82	0	6	2	95	0.00	0.0	2.185	0.000	6	2	1	1	
	073424	PL.26083	B	Consumer	7.27Y	121.2	0.00	4.78	0.64	0	4	2	89	0.00	0.0	2.185	0.000	4	2	1	1	
	PL.34877	PL.8199	B	4ACSR	7.27Y	121.2	0.00	4.75	1.29	1	9	3	95	0.00	0.0	2.082	0.007	0	0	0	1	
	PD.4989	PL.34877	B	fuse6AMP	7.27Y	121.2	0.00	4.75	1.29	22	9	3	95	0.00	0.0	2.082	0.000	0	0	0	1	
	PL.34878	PD.4989	B	4ACSR	7.27Y	121.2	0.00	4.76	1.29	1	9	3	95	0.00	0.0	2.119	0.038	0	0	0	1	
	073415	PL.34878	B	Consumer	7.27Y	121.2	0.00	4.76	1.29	0	9	3	95	0.00	0.0	2.119	0.000	9	3	1	1	
	PL.26080	PL.8199	A	336ACSR	7.51Y	125.2	0.02	0.83	0.00	0	0	0	100	0.47	0.1	2.145	0.070	0	0	0	0	
			B		7.27Y	121.1	0.13	4.88	115.02	16	777	309	93					0	0	0	137	
H			C		7.75Y	129.2	-0.08	-3.15	0.00	0	0	0	100					0	0	0	0	H
	PL.34881	PL.26080	B	4ACSR	7.27Y	121.1	0.00	4.88	4.68	2	32	12	94	0.00	0.0	2.157	0.012	0	0	0	4	
	PD.4991	PL.34881	B	fuse6AMP	7.27Y	121.1	0.00	4.88	4.68	80	32	12	94	0.00	0.0	2.157	0.000	0	0	0	4	
	PL.45177	PD.4991	B	4ACSR	7.27Y	121.1	0.00	4.89	4.68	2	32	12	94	0.00	0.0	2.175	0.018	0	0	0	4	
	073433	PL.45177	B	Consumer	7.27Y	121.1	0.00	4.89	0.87	0	6	2	95	0.00	0.0	2.175	0.000	6	2	1	1	
	073417	PL.45177	B	Consumer	7.27Y	121.1	0.00	4.89	1.25	0	9	3	95	0.00	0.0	2.175	0.000	9	3	1	1	
	073425	PL.45177	B	Consumer	7.27Y	121.1	0.00	4.89	1.88	0	13	5	93	0.00	0.0	2.175	0.000	13	5	1	1	
	PL.45178	PL.45177	B	4ACSR	7.27Y	121.1	0.00	4.89	0.68	0	5	2	93	0.00	0.0	2.226	0.051	0	0	0	1	
	073421	PL.45178	B	Consumer	7.27Y	121.1	0.00	4.89	0.68	0	5	2	93	0.00	0.0	2.226	0.000	5	2	1	1	
	PL.26081	PL.26080	A	336ACSR	7.51Y	125.2	0.01	0.84	0.00	0	0	0	100	0.19	0.0	2.175	0.030	0	0	0	0	
			B		7.26Y	121.1	0.05	4.93	110.34	15	745	296	93					0	0	0	133	
H			C		7.75Y	129.2	-0.04	-3.19	0.00	0	0	0	100					0	0	0	0	H
	073471	PL.26081	B	Consumer	7.26Y	121.1	0.00	4.93	0.98	0	7	2	96	0.00	0.0	2.175	0.000	7	2	1	1	
	PL.34883	PL.26081	B	4ACSR	7.26Y	121.1	0.00	4.93	0.91	0	6	2	95	0.00	0.0	2.193	0.018	0	0	0	1	
	PD.4992	PL.34883	B	fuse6AMP	7.26Y	121.1	0.00	4.93	0.91	16	6	2	95	0.00	0.0	2.193	0.000	0	0	0	1	
	PL.34884	PD.4992	B	4ACSR	7.26Y	121.1	0.00	4.94	0.91	0	6	2	95	0.00	0.0	2.274	0.081	0	0	0	1	

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

Unbalanced Voltage Drop Report
Source: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
073410	PL.34884	B	Consumer	7.26Y	121.1	0.00	4.94	0.91	0	6	2	95	0.00	0.0	2.274	0.000	6	2	1	1	
PL.25287	PL.26081	A	336ACSR	7.51Y	125.1	0.03	0.87	0.00	0	0	0	100	0.66	0.1	2.286	0.110	0	0	0	0	
		B		7.25Y	120.9	0.19	5.12	108.45	15	732	291	93					0	0	0	131	
H		C		7.76Y	129.3	-0.12	-3.31	0.00	0	0	0	100					0	0	0	0	H
PL.25288	PL.25287	A	336ACSR	7.51Y	125.1	0.01	0.88	0.00	0	0	0	100	0.33	0.0	2.340	0.054	0	0	0	0	
		B		7.25Y	120.8	0.09	5.21	108.45	15	732	289	93					0	0	0	131	
H		C		7.76Y	129.4	-0.06	-3.37	0.00	0	0	0	100					0	0	0	0	H
PL.8200	PL.25288	A	336ACSR	7.51Y	125.1	0.01	0.89	0.00	0	0	0	100	0.21	0.0	2.376	0.036	0	0	0	0	
		B		7.24Y	120.7	0.06	5.27	107.48	15	725	286	93					0	0	0	130	
H		C		7.76Y	129.4	-0.04	-3.41	0.00	0	0	0	100					0	0	0	0	H
PL.8201	PL.8200	A	336ACSR	7.51Y	125.1	0.01	0.90	0.00	0	0	0	100	0.25	0.0	2.420	0.045	0	0	0	0	
		B		7.24Y	120.7	0.07	5.34	104.53	14	704	278	93					0	0	0	128	
H		C		7.77Y	129.5	-0.05	-3.46	0.00	0	0	0	100					0	0	0	0	H
073453	PL.8201	B	Consumer	7.24Y	120.7	0.00	5.34	0.00	0	0	0	100	0.00	0.0	2.420	0.000	0	0	0	0	
073454	PL.8201	B	Consumer	7.24Y	120.7	0.00	5.34	0.00	0	0	0	100	0.00	0.0	2.420	0.000	0	0	0	0	
PL.46082	PL.8201	A	336ACSR	7.51Y	125.1	0.01	0.91	0.00	0	0	0	100	0.24	0.0	2.464	0.044	0	0	0	0	
		B		7.24Y	120.6	0.07	5.41	104.53	14	704	277	93					0	0	0	128	
H		C		7.77Y	129.5	-0.05	-3.51	0.00	0	0	0	100					0	0	0	0	H
PD.8715-A	PL.46082	A	Closed	7.51Y	125.1	0.00	0.91	0.00	0	0	0	100	0.00	0.0	2.464	0.000	0	0	0	0	
		B		7.24Y	120.6	0.00	5.41	104.53	0	704	277	93					0	0	0	128	
H		C		7.77Y	129.5	0.00	-3.51	0.00	0	0	0	100					0	0	0	0	H
PD.8715-B	PD.8715-A	A	Closed	7.51Y	125.1	0.00	0.91	0.00	0	0	0	100	0.00	0.0	2.464	0.000	0	0	0	0	
		B		7.24Y	120.6	0.00	5.41	104.53	0	704	277	93					0	0	0	128	
H		C		7.77Y	129.5	0.00	-3.51	0.00	0	0	0	100					0	0	0	0	H
PL.46083	PD.8715-B	A	336ACSR	7.50Y	125.1	0.01	0.92	0.00	0	0	0	100	0.20	0.0	2.501	0.037	0	0	0	0	
		B		7.23Y	120.5	0.06	5.47	104.53	14	704	277	93					0	0	0	128	
H		C		7.77Y	129.6	-0.04	-3.55	0.00	0	0	0	100					0	0	0	0	H
PL.40996	PL.46083	A	336ACSR	7.50Y	125.0	0.04	0.96	0.00	0	0	0	100	0.82	0.1	2.650	0.149	0	0	0	0	
		B		7.22Y	120.3	0.24	5.71	103.88	14	699	275	93					0	0	0	125	
H		C		7.78Y	129.7	-0.16	-3.71	0.00	0	0	0	100					0	0	0	0	H
PL.40997	PL.40996	A	336ACSR	7.50Y	125.0	0.01	0.97	0.00	0	0	0	100	0.12	0.0	2.671	0.021	0	0	0	0	
		B		7.22Y	120.3	0.03	5.75	103.82	14	698	272	93					0	0	0	124	
H		C		7.78Y	129.7	-0.02	-3.74	0.00	0	0	0	100					0	0	0	0	H
PD.514-B	PL.40997	A	Closed	7.50Y	125.0	0.00	0.97	0.00	0	0	0	100	0.00	0.0	2.671	0.000	0	0	0	0	
		B		7.22Y	120.3	0.00	5.75	103.82	0	698	272	93					0	0	0	124	
H		C		7.78Y	129.7	0.00	-3.74	0.00	0	0	0	100					0	0	0	0	H
PD.514-A	PD.514-B	A	Closed	7.50Y	125.0	0.00	0.97	0.00	0	0	0	100	0.00	0.0	2.671	0.000	0	0	0	0	
		B		7.22Y	120.3	0.00	5.75	103.82	0	698	272	93					0	0	0	124	
H		C		7.78Y	129.7	0.00	-3.74	0.00	0	0	0	100					0	0	0	0	H
PL.26077	PD.514-A	A	336ACSR	7.50Y	125.0	0.00	0.97	0.00	0	0	0	100	0.01	0.0	2.673	0.002	0	0	0	0	
		B		7.22Y	120.3	0.00	5.75	103.82	14	698	272	93					0	0	0	124	
H		C		7.78Y	129.7	-0.00	-3.74	0.00	0	0	0	100					0	0	0	0	H
PL.26074	PL.26077	A	336ACSR	7.50Y	125.0	0.01	0.97	0.00	0	0	0	100	0.13	0.0	2.699	0.025	0	0	0	0	
		B		7.21Y	120.2	0.04	5.79	100.20	14	673	263	93					0	0	0	120	
H		C		7.79Y	129.8	-0.03	-3.76	0.00	0	0	0	100					0	0	0	0	H
PL.26076	PL.26074	A	336ACSR	7.50Y	125.0	0.01	0.98	0.00	0	0	0	100	0.23	0.0	2.761	0.062	0	0	0	0	
		B		7.21Y	120.1	0.08	5.87	85.34	12	573	225	93					0	0	0	104	
H		C		7.79Y	129.8	-0.05	-3.82	0.00	0	0	0	100					0	0	0	0	H
PL.26073	PL.26076	A	336ACSR	7.50Y	125.0	0.01	0.99	0.00	0	0	0	100	0.19	0.0	2.812	0.052	0	0	0	0	
		B		7.20Y	120.1	0.07	5.94	83.75	11	562	220	93					0	0	0	103	
H		C		7.79Y	129.9	-0.05	-3.86	0.00	0	0	0	100					0	0	0	0	H
PL.26072	PL.26073	A	336ACSR	7.50Y	125.0	0.01	1.01	0.00	0	0	0	100	0.20	0.0	2.870	0.057	0	0	0	0	
		B		7.20Y	120.0	0.07	6.01	82.74	11	555	217	93					0	0	0	102	
H		C		7.79Y	129.9	-0.05	-3.91	0.00	0	0	0	100					0	0	0	0	H

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: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PL.26071	PL.26072	A	336ACSR	7.50Y	125.0	0.00	1.01	0.00	0	0	0	100	0.05	0.0	2.884	0.014	0	0	0	0	
		B		7.20Y	120.0	0.02	6.03	82.30	11	552	216	93					0	0	0	101	
H		C		7.80Y	129.9	-0.01	-3.93	0.00	0	0	0	100					0	0	0	0	H
PL.8165	PL.26071	A	336ACSR	7.50Y	125.0	0.00	1.01	0.00	0	0	0	100	0.01	0.0	2.888	0.004	0	0	0	0	
		B		7.20Y	120.0	0.01	6.03	82.30	11	552	216	93					0	0	0	101	
H		C		7.80Y	129.9	-0.00	-3.93	0.00	0	0	0	100					0	0	0	0	H
PL.8164	PL.8165	A	336ACSR	7.50Y	125.0	0.03	1.04	0.00	0	0	0	100	0.52	0.1	3.041	0.153	0	0	0	0	
		B		7.19Y	119.8	0.19	6.23	81.91	11	549	215	93					0	0	0	100	
H		C		7.80Y	130.1	-0.13	-4.06	0.00	0	0	0	100					0	0	0	0	H
PL.8166	PL.8164	A	336ACSR	7.50Y	125.0	0.01	1.05	0.00	0	0	0	100	0.12	0.0	3.077	0.037	0	0	0	0	
		B		7.18Y	119.7	0.05	6.27	81.91	11	549	213	93					0	0	0	100	
H		C		7.81Y	130.1	-0.03	-4.09	0.00	0	0	0	100					0	0	0	0	H
PL.26070	PL.8166	A	336ACSR	7.50Y	125.0	0.00	1.05	0.00	0	0	0	100	0.06	0.0	3.097	0.020	0	0	0	0	
		B		7.18Y	119.7	0.02	6.30	80.40	11	538	209	93					0	0	0	97	
H		C		7.81Y	130.1	-0.02	-4.11	0.00	0	0	0	100					0	0	0	0	H
PL.26069	PL.26070	B	4ACSR	7.18Y	119.7	0.00	6.30	0.57	0	4	1	97	0.00	0.0	3.141	0.045	0	0	0	1	
0724123	PL.26069	B	Consumer	7.18Y	119.7	0.00	6.30	0.57	0	4	1	97	0.00	0.0	3.141	0.000	4	1	1	1	
SW31-B	PL.26069	B	Open	7.18Y	119.7	0.00	6.30	0.00	0	0	0	100	0.00	0.0	3.141	0.000	0	0	0	0	
PL.34873	PL.26070	B	4ACSR	7.18Y	119.7	0.00	6.30	1.37	1	9	3	95	0.00	0.0	3.103	0.007	0	0	0	2	
PD.4987	PL.34873	B	fuse6AMP	7.18Y	119.7	0.00	6.30	1.37	23	9	3	95	0.00	0.0	3.103	0.000	0	0	0	2	
PL.34874	PD.4987	B	4ACSR	7.18Y	119.7	0.01	6.30	1.37	1	9	3	95	0.00	0.0	3.191	0.088	0	0	0	2	
PL.4787	PL.34874	B	4ACSR	7.18Y	119.7	0.00	6.30	0.31	0	2	1	89	0.00	0.0	3.222	0.031	0	0	0	1	
072457	PL.4787	B	Consumer	7.18Y	119.7	0.00	6.30	0.31	0	2	1	89	0.00	0.0	3.222	0.000	2	1	1	1	
PL.4789	PL.34874	B	4ACSR	7.18Y	119.7	0.00	6.31	1.05	1	7	3	92	0.00	0.0	3.262	0.071	0	0	0	1	
072482	PL.4789	B	Consumer	7.18Y	119.7	0.00	6.31	1.05	0	7	3	92	0.00	0.0	3.262	0.000	7	3	1	1	
OH33	PL.26070	A	336ACSR	7.49Y	124.9	0.06	1.11	0.00	0	0	0	100	1.04	0.2	3.428	0.331	0	0	0	0	
		B		7.16Y	119.3	0.40	6.70	78.46	11	525	204	93					0	0	0	94	
H		C		7.82Y	130.4	-0.27	-4.38	0.00	0	0	0	100					0	0	0	0	H
PL.34858	OH33	A	336ACSR	7.49Y	124.9	0.01	1.12	0.00	0	0	0	100	0.20	0.0	3.497	0.069	0	0	0	0	
		B		7.15Y	119.2	0.08	6.78	76.30	10	510	196	93					0	0	0	88	
H		C		7.83Y	130.4	-0.05	-4.43	0.00	0	0	0	100					0	0	0	0	H
PL.34859	PL.34858	A	336ACSR	7.49Y	124.9	0.00	1.12	0.00	0	0	0	100	0.01	0.0	3.500	0.004	0	0	0	0	
		B		7.15Y	119.2	0.00	6.78	75.52	10	504	194	93					0	0	0	86	
H		C		7.83Y	130.4	-0.00	-4.44	0.00	0	0	0	100					0	0	0	0	H
PL.34855	PL.34859	A	336ACSR	7.49Y	124.9	0.00	1.12	0.00	0	0	0	100	0.01	0.0	3.504	0.003	0	0	0	0	
		B		7.15Y	119.2	0.00	6.79	75.52	10	504	194	93					0	0	0	86	
H		C		7.83Y	130.4	-0.00	-4.44	0.00	0	0	0	100					0	0	0	0	H
PL.26234	PL.34855	A	336ACSR	7.49Y	124.9	0.01	1.13	0.00	0	0	0	100	0.08	0.0	3.539	0.035	0	0	0	0	
		B		7.15Y	119.2	0.04	6.82	65.37	9	436	168	93					0	0	0	72	
H		C		7.83Y	130.5	-0.02	-4.46	0.00	0	0	0	100					0	0	0	0	H
PL.25832	PL.26234	A	336ACSR	7.49Y	124.9	0.00	1.13	0.00	0	0	0	100	0.05	0.0	3.564	0.025	0	0	0	0	
		B		7.15Y	119.2	0.02	6.85	61.59	8	411	158	93					0	0	0	68	
H		C		7.83Y	130.5	-0.02	-4.48	0.00	0	0	0	100					0	0	0	0	H
PL.20077	PL.25832	A	336ACSR	7.49Y	124.9	0.01	1.14	0.00	0	0	0	100	0.09	0.0	3.610	0.046	0	0	0	0	
		B		7.15Y	119.1	0.04	6.89	60.52	8	404	156	93					0	0	0	67	
H		C		7.83Y	130.5	-0.03	-4.51	0.00	0	0	0	100					0	0	0	0	H
PL.21409	PL.20077	A	336ACSR	7.49Y	124.9	0.00	1.14	0.00	0	0	0	100	0.01	0.0	3.615	0.005	0	0	0	0	
		B		7.15Y	119.1	0.01	6.89	59.37	8	396	152	93					0	0	0	65	
H		C		7.83Y	130.5	-0.00	-4.51	0.00	0	0	0	100					0	0	0	0	H
PL.15624	PL.21409	A	336ACSR	7.49Y	124.9	0.01	1.15	0.00	0	0	0	100	0.10	0.0	3.669	0.054	0	0	0	0	
		B		7.14Y	119.1	0.05	6.94	59.37	8	396	152	93					0	0	0	65	
H		C		7.83Y	130.5	-0.03	-4.54	0.00	0	0	0	100					0	0	0	0	H

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: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
	PL.25169	PL.15624	A	336ACSR	7.49Y	124.9	0.00	1.15	0.00	0	0	0	100	0.00	0.0	3.736	0.067	0	0	0	0	
			B		7.14Y	119.1	0.00	6.94	1.07	0	7	3	94					0	0	0	4	
H			C		7.83Y	130.5	-0.00	-4.55	0.00	0	0	0	100					0	0	0	0	H
	PL.19775	PL.25169	A	336ACSR	7.49Y	124.9	0.00	1.15	0.00	0	0	0	100	0.00	0.0	3.830	0.094	0	0	0	0	
			B		7.14Y	119.1	0.00	6.94	1.07	0	7	3	94					0	0	0	4	
H			C		7.83Y	130.5	-0.00	-4.55	0.00	0	0	0	100					0	0	0	0	H
	PL.19804	PL.19775	A	336ACSR	7.49Y	124.9	0.00	1.15	0.00	0	0	0	100	0.00	0.0	3.878	0.047	0	0	0	0	
			B		7.14Y	119.1	0.00	6.95	0.78	0	5	2	94					0	0	0	3	
H			C		7.83Y	130.5	-0.00	-4.55	0.00	0	0	0	100					0	0	0	0	H
	PL.15623	PL.19804	A	336ACSR	7.49Y	124.9	0.00	1.15	0.00	0	0	0	100	0.00	0.0	3.908	0.031	0	0	0	0	
			B		7.14Y	119.1	0.00	6.95	0.00	0	0	0	100					0	0	0	0	
H			C		7.83Y	130.5	0.00	-4.55	0.00	0	0	0	100					0	0	0	0	H
	SW32-B	PL.15623	A	Open	7.49Y	124.9	0.00	1.15	0.00	0	0	0	100	0.00	0.0	3.908	0.000	0	0	0	0	
			B		7.14Y	119.1	0.00	6.95	0.00	0	0	0	100					0	0	0	0	
H			C		7.83Y	130.5	0.00	-4.55	0.00	0	0	0	100					0	0	0	0	H
	072434	PL.19804	B	Consumer	7.14Y	119.1	0.00	6.95	0.00	0	0	0	100	0.00	0.0	3.878	0.000	0	0	0	0	
	0724148	PL.19804	B	Consumer	7.14Y	119.1	0.00	6.95	0.03	0	0	0	100	0.00	0.0	3.878	0.000	0	0	1	1	
	072421	PL.19804	B	Consumer	7.14Y	119.1	0.00	6.95	0.39	0	3	1	95	0.00	0.0	3.878	0.000	3	1	1	1	
	072469	PL.19804	B	Consumer	7.14Y	119.1	0.00	6.95	0.37	0	2	1	89	0.00	0.0	3.878	0.000	2	1	1	1	
	072405	PL.19775	B	Consumer	7.14Y	119.1	0.00	6.94	0.29	0	2	1	89	0.00	0.0	3.830	0.000	2	1	1	1	
	PL.34847	PL.15624	B	4ACSR	7.14Y	119.1	0.00	6.94	0.36	0	2	1	89	0.00	0.0	3.674	0.005	0	0	0	2	
	PD.4977	PL.34847	B	fuse6AMP	7.14Y	119.1	0.00	6.94	0.36	6	2	1	89	0.00	0.0	3.674	0.000	0	0	0	2	
	PL.34848	PD.4977	B	4ACSR	7.14Y	119.1	0.00	6.94	0.36	0	2	1	89	0.00	0.0	3.745	0.070	0	0	0	2	
	072488	PL.34848	B	Consumer	7.14Y	119.1	0.00	6.94	0.00	0	0	0	100	0.00	0.0	3.745	0.000	0	0	1	1	
	072401	PL.34848	B	Consumer	7.14Y	119.1	0.00	6.94	0.36	0	2	1	89	0.00	0.0	3.745	0.000	2	1	1	1	
	PL.8180	PL.15624	B	4ACSR	7.14Y	119.0	0.07	7.01	55.97	29	373	143	93	0.21	0.1	3.696	0.028	0	0	0	56	
	0724142	PL.8180	B	Consumer	7.14Y	119.0	0.00	7.01	1.77	0	12	4	95	0.00	0.0	3.696	0.000	12	4	1	1	
	PL.25833	PL.8180	B	4ACSR	7.14Y	118.9	0.05	7.06	54.19	28	361	139	93	0.13	0.0	3.716	0.019	0	0	0	55	
	072433	PL.25833	B	Consumer	7.14Y	118.9	0.00	7.06	0.93	0	6	2	95	0.00	0.0	3.716	0.000	6	2	1	1	
	PL.15625	PL.25833	B	4ACSR	7.14Y	118.9	0.01	7.07	53.26	27	355	136	93	0.04	0.0	3.721	0.006	0	0	0	54	
C	PD.3428	PL.15625	B	35L	7.14Y	118.9	0.00	7.07	53.26	152	355	136	93	0.00	0.0	3.721	0.000	0	0	0	54	C
	PL.15626	PD.3428	B	4ACSR	7.12Y	118.6	0.28	7.35	53.26	27	355	136	93	0.77	0.2	3.835	0.113	0	0	0	54	
	PL.34844	PL.15626	B	4ACSR	7.12Y	118.6	0.00	7.35	4.74	2	32	12	94	0.00	0.0	3.845	0.010	0	0	0	4	
C	PD.4975	PL.34844	B	fuse6AMP	7.12Y	118.6	0.00	7.35	4.74	81	32	12	94	0.00	0.0	3.845	0.000	0	0	0	4	C
	PL.34843	PD.4975	B	4ACSR	7.12Y	118.6	0.02	7.37	4.74	2	32	12	94	0.00	0.0	3.933	0.088	0	0	0	4	
	PL.4804	PL.34843	B	4ACSR	7.12Y	118.6	0.00	7.37	2.04	1	14	5	94	0.00	0.0	3.945	0.012	0	0	0	2	
	PL.42710	PL.4804	B	4ACSR	7.12Y	118.6	0.00	7.37	1.44	1	10	4	93	0.00	0.0	3.966	0.021	0	0	0	1	
	0724167	PL.42710	B	Consumer	7.12Y	118.6	0.00	7.37	0.00	0	0	0	100	0.00	0.0	3.966	0.000	0	0	0	0	
	PL.42711	PL.42710	B	4ACSR	7.12Y	118.6	0.00	7.38	1.44	1	10	4	93	0.00	0.0	4.012	0.046	0	0	0	1	
	0724129	PL.42711	B	Consumer	7.12Y	118.6	0.00	7.38	1.44	0	10	4	93	0.00	0.0	4.012	0.000	10	4	1	1	
	072422	PL.4804	B	Consumer	7.12Y	118.6	0.00	7.37	0.59	0	4	1	97	0.00	0.0	3.945	0.000	4	1	1	1	
	PL.4805	PL.34843	B	4ACSR	7.12Y	118.6	0.01	7.38	2.70	1	18	7	93	0.00	0.0	3.997	0.064	0	0	0	2	
	072485	PL.4805	B	Consumer	7.12Y	118.6	0.00	7.38	1.26	0	8	3	94	0.00	0.0	3.997	0.000	8	3	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: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
072474	PL.4805	B	Consumer	7.12Y	118.6	0.00	7.38	1.45	0	10	4	93	0.00	0.0	3.997	0.000	10	4	1	1
PL.26194	PL.15626	B	4ACSR	7.11Y	118.6	0.09	7.44	45.95	24	305	118	93	0.21	0.1	3.876	0.041	0	0	0	47
072459	PL.26194	B	Consumer	7.11Y	118.6	0.00	7.44	0.05	0	0	0	100	0.00	0.0	3.876	0.000	0	0	1	1
PL.12368	PL.26194	B	4ACSR	7.11Y	118.5	0.05	7.49	45.90	24	305	117	93	0.12	0.0	3.899	0.024	0	0	0	46
PL.12369	PL.12368	B	4ACSR	7.11Y	118.5	0.04	7.52	45.90	24	305	117	93	0.09	0.0	3.917	0.017	0	0	0	46
0724107	PL.12369	B	Consumer	7.11Y	118.5	0.00	7.52	1.11	0	7	3	92	0.00	0.0	3.917	0.000	7	3	1	1
PL.34845	PL.12369	B	4ACSR	7.11Y	118.5	0.00	7.52	1.00	1	7	3	92	0.00	0.0	3.930	0.013	0	0	0	2
PD.4976	PL.34845	B	fuse6AMP	7.11Y	118.5	0.00	7.52	1.00	17	7	3	92	0.00	0.0	3.930	0.000	0	0	0	2
PL.37603	PD.4976	B	4ACSR	7.11Y	118.5	0.00	7.53	1.00	1	7	3	92	0.00	0.0	3.944	0.014	0	0	0	2
PL.37604	PL.37603	B	4ACSR	7.11Y	118.5	0.00	7.53	1.00	1	7	3	92	0.00	0.0	3.962	0.018	0	0	0	1
072462	PL.37604	B	Consumer	7.11Y	118.5	0.00	7.53	1.00	0	7	3	92	0.00	0.0	3.962	0.000	7	3	1	1
0724163	PL.37603	B	Consumer	7.11Y	118.5	0.00	7.53	0.00	0	0	0	100	0.00	0.0	3.944	0.000	0	0	1	1
PL.26195	PL.12369	B	4ACSR	7.10Y	118.4	0.07	7.60	43.79	23	290	112	93	0.17	0.1	3.954	0.037	0	0	0	43
PL.25286	PL.26195	B	4ACSR	7.10Y	118.3	0.12	7.72	43.79	23	290	112	93	0.28	0.1	4.016	0.062	0	0	0	43
PL.12370	PL.25286	B	4ACSR	7.09Y	118.2	0.11	7.84	42.51	22	282	108	93	0.25	0.1	4.074	0.058	0	0	0	40
PL.12371	PL.12370	B	4ACSR	7.08Y	118.0	0.16	8.00	41.78	22	276	106	93	0.35	0.1	4.157	0.084	0	0	0	39
072472	PL.12371	B	Consumer	7.08Y	118.0	0.00	8.00	3.09	0	20	10	89	0.00	0.0	4.157	0.000	20	10	1	1
L PL.12372	PL.12371	B	4ACSR	7.07Y	117.9	0.11	8.10	38.70	20	256	97	94	0.22	0.1	4.218	0.061	0	0	0	38 L
L PL.12375	PL.12372	B	4ACSR	7.07Y	117.9	0.00	8.10	0.81	0	5	2	93	0.00	0.0	4.245	0.027	0	0	0	1 L
L 0724138	PL.12375	B	Consumer	7.07Y	117.9	0.00	8.10	0.81	0	5	2	93	0.00	0.0	4.245	0.000	5	2	1	1 L
L PL.34833	PL.12372	B	4ACSR	7.07Y	117.9	0.01	8.11	19.10	10	126	48	93	0.01	0.0	4.224	0.006	0	0	0	17 L
L PD.4970-A	PL.34833	B	Closed	7.07Y	117.9	0.00	8.11	19.10	0	126	48	93	0.00	0.0	4.224	0.000	0	0	0	17 L
L PD.4970-B	PD.4970-A	B	Closed	7.07Y	117.9	0.00	8.11	19.10	0	126	48	93	0.00	0.0	4.224	0.000	0	0	0	17 L
L PL.39436	PD.4970-B	B	4ACSR	7.07Y	117.9	0.02	8.13	19.10	10	126	48	93	0.02	0.0	4.245	0.020	0	0	0	17 L
L PL.39437	PL.39436	B	4ACSR	7.07Y	117.8	0.07	8.19	18.11	9	120	45	94	0.06	0.1	4.324	0.080	0	0	0	16 L
L 0724158	PL.39437	B	Consumer	7.07Y	117.8	0.00	8.19	1.20	0	8	3	94	0.00	0.0	4.324	0.000	8	3	1	1 L
L PL.30793	PL.39437	B	4ACSR	7.07Y	117.8	0.03	8.22	16.91	9	112	42	94	0.03	0.0	4.364	0.040	0	0	0	15 L
L 0724151	PL.30793	B	Consumer	7.07Y	117.8	0.00	8.22	1.10	0	7	3	92	0.00	0.0	4.364	0.000	7	3	1	1 L
L PL.25835	PL.30793	B	4ACSR	7.07Y	117.8	0.02	8.24	11.18	6	74	28	94	0.01	0.0	4.407	0.043	0	0	0	10 L
L PL.25838	PL.25835	B	4ACSR	7.06Y	117.7	0.01	8.26	5.97	3	40	15	94	0.00	0.0	4.445	0.038	0	0	0	5 L
L PL.34839	PL.25838	B	4ACSR	7.06Y	117.7	0.00	8.26	0.94	0	6	2	95	0.00	0.0	4.452	0.007	0	0	0	1 L
L PD.4973	PL.34839	B	fuse6AMP	7.06Y	117.7	0.00	8.26	0.94	16	6	2	95	0.00	0.0	4.452	0.000	0	0	0	1 L
L PL.34840	PD.4973	B	4ACSR	7.06Y	117.7	0.00	8.26	0.94	0	6	2	95	0.00	0.0	4.516	0.064	0	0	0	1 L
L 0724156	PL.34840	B	Consumer	7.06Y	117.7	0.00	8.26	0.94	0	6	2	95	0.00	0.0	4.516	0.000	6	2	1	1 L
L PL.25839	PL.25838	B	4ACSR	7.06Y	117.7	0.01	8.26	3.78	2	25	9	94	0.00	0.0	4.476	0.031	0	0	0	3 L
L 0724132	PL.25839	B	Consumer	7.06Y	117.7	0.00	8.26	1.11	0	7	3	92	0.00	0.0	4.476	0.000	7	3	1	1 L
L PL.26058	PL.25839	B	4ACSR	7.06Y	117.7	0.01	8.27	2.68	1	18	7	93	0.00	0.0	4.519	0.042	0	0	0	2 L
L PL.26059	PL.26058	B	4ACSR	7.06Y	117.7	0.01	8.27	1.61	1	11	4	94	0.00	0.0	4.615	0.097	0	0	0	1 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: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
L 0724136	PL.26059	B	Consumer	7.06Y	117.7	0.00	8.27	1.61	0	11	4	94	0.00	0.0	4.615	0.000	11	4	1	1 L
L PL.34841	PL.26058	B	4ACSR	7.06Y	117.7	0.00	8.27	1.07	1	7	3	92	0.00	0.0	4.523	0.004	0	0	0	1 L
L PD.4974	PL.34841	B	fuse6AMP	7.06Y	117.7	0.00	8.27	1.07	18	7	3	92	0.00	0.0	4.523	0.000	0	0	0	1 L
L PL.34842	PD.4974	B	4ACSR	7.06Y	117.7	0.00	8.27	1.07	1	7	3	92	0.00	0.0	4.571	0.048	0	0	0	1 L
L 0724131	PL.34842	B	Consumer	7.06Y	117.7	0.00	8.27	1.07	0	7	3	92	0.00	0.0	4.571	0.000	7	3	1	1 L
L PL.8179	PL.34842	B	4ACSR	7.06Y	117.7	0.00	8.27	0.00	0	0	0	100	0.00	0.0	4.571	0.000	0	0	0	0 L
L 0724154	PL.25838	B	Consumer	7.06Y	117.7	0.00	8.26	1.25	0	8	3	94	0.00	0.0	4.445	0.000	8	3	1	1 L
L 0724146	PL.25835	B	Consumer	7.07Y	117.8	0.00	8.24	0.80	0	5	2	93	0.00	0.0	4.407	0.000	5	2	1	1 L
L PL.34837	PL.25835	B	4ACSR	7.07Y	117.8	0.00	8.25	4.40	2	29	11	93	0.00	0.0	4.417	0.010	0	0	0	4 L
L PD.4972	PL.34837	B	fuse6AMP	7.07Y	117.8	0.00	8.25	4.40	75	29	11	93	0.00	0.0	4.417	0.000	0	0	0	4 L
L PL.34838	PD.4972	B	4ACSR	7.06Y	117.7	0.01	8.25	4.40	2	29	11	93	0.00	0.0	4.445	0.029	0	0	0	4 L
L PL.25837	PL.34838	B	4ACSR	7.06Y	117.7	0.01	8.26	2.77	1	18	7	93	0.00	0.0	4.489	0.044	0	0	0	2 L
L 0724124	PL.25837	B	Consumer	7.06Y	117.7	0.00	8.26	1.29	0	9	3	95	0.00	0.0	4.489	0.000	9	3	1	1 L
L 0724135	PL.25837	B	Consumer	7.06Y	117.7	0.00	8.26	1.49	0	10	4	93	0.00	0.0	4.489	0.000	10	4	1	1 L
L 0724147	PL.34838	B	Consumer	7.06Y	117.7	0.00	8.25	0.28	0	2	1	89	0.00	0.0	4.445	0.000	2	1	1	1 L
L 0724157	PL.34838	B	Consumer	7.06Y	117.7	0.00	8.25	1.36	0	9	3	95	0.00	0.0	4.445	0.000	9	3	1	1 L
L PL.34835	PL.30793	B	4ACSR	7.07Y	117.8	0.00	8.22	4.63	2	31	12	93	0.00	0.0	4.374	0.010	0	0	0	4 L
L PD.4971	PL.34835	B	fuse6AMP	7.07Y	117.8	0.00	8.22	4.63	79	31	12	93	0.00	0.0	4.374	0.000	0	0	0	4 L
L PL.34836	PD.4971	B	4ACSR	7.07Y	117.8	0.01	8.24	4.63	2	31	12	93	0.00	0.0	4.439	0.065	0	0	0	4 L
L 0724120	PL.34836	B	Consumer	7.07Y	117.8	0.00	8.24	0.85	0	6	2	95	0.00	0.0	4.439	0.000	6	2	1	1 L
L 0724121	PL.34836	B	Consumer	7.07Y	117.8	0.00	8.24	1.15	0	8	3	94	0.00	0.0	4.439	0.000	8	3	1	1 L
L 0724133	PL.34836	B	Consumer	7.07Y	117.8	0.00	8.24	1.77	0	12	4	95	0.00	0.0	4.439	0.000	12	4	1	1 L
L 0724125	PL.34836	B	Consumer	7.07Y	117.8	0.00	8.24	0.00	0	0	0	100	0.00	0.0	4.439	0.000	0	0	0	0 L
L PL.40426	PL.34836	B	4ACSR	7.07Y	117.8	0.00	8.24	0.86	0	6	2	95	0.00	0.0	4.456	0.017	0	0	0	1 L
L 0724126	PL.40426	B	Consumer	7.07Y	117.8	0.00	8.24	0.86	0	6	2	95	0.00	0.0	4.456	0.000	6	2	1	1 L
L 0724164	PL.39436	B	Consumer	7.07Y	117.9	0.00	8.13	0.99	0	7	2	96	0.00	0.0	4.245	0.000	7	2	1	1 L
L PL.34831	PL.12372	B	4ACSR	7.07Y	117.9	0.00	8.11	18.78	10	124	47	94	0.00	0.0	4.223	0.005	0	0	0	20 L
L PD.4969-A	PL.34831	B	Closed	7.07Y	117.9	0.00	8.11	18.78	0	124	47	94	0.00	0.0	4.223	0.000	0	0	0	20 L
L PD.4969-B	PD.4969-A	B	Closed	7.07Y	117.9	0.00	8.11	18.78	0	124	47	94	0.00	0.0	4.223	0.000	0	0	0	20 L
L PL.34832	PD.4969-B	B	4ACSR	7.07Y	117.8	0.05	8.16	18.78	10	124	47	94	0.05	0.0	4.280	0.057	0	0	0	20 L
L 072480	PL.34832	B	Consumer	7.07Y	117.8	0.00	8.16	1.46	0	10	4	93	0.00	0.0	4.280	0.000	10	4	1	1 L
L PL.44150	PL.34832	B	4ACSR	7.07Y	117.8	0.01	8.17	17.32	9	115	43	94	0.01	0.0	4.296	0.016	0	0	0	19 L
L PL.44151	PL.44150	B	4ACSR	7.07Y	117.8	0.03	8.20	17.32	9	115	43	94	0.03	0.0	4.338	0.042	0	0	0	19 L
L PL.8173	PL.44151	B	4ACSR	7.07Y	117.8	0.03	8.23	16.28	8	108	41	93	0.02	0.0	4.376	0.038	0	0	0	18 L
L 0724109	PL.8173	B	Consumer	7.07Y	117.8	0.00	8.23	0.76	0	5	2	93	0.00	0.0	4.376	0.000	5	2	1	1 L
L PL.8174	PL.8173	B	4ACSR	7.06Y	117.7	0.08	8.31	15.53	8	103	39	94	0.07	0.1	4.494	0.117	0	0	0	17 L
L 0724112	PL.8174	B	Consumer	7.06Y	117.7	0.00	8.31	0.36	0	2	1	89	0.00	0.0	4.494	0.000	2	1	1	1 L
L PL.8176	PL.8174	B	4ACSR	7.06Y	117.6	0.05	8.36	15.17	8	100	38	93	0.04	0.0	4.559	0.065	0	0	0	16 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: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PL.8177	PL.8176	B	4ACSR	7.06Y	117.6	0.04	8.40	13.98	7	92	35	93	0.03	0.0	4.628	0.069	0	0	0	15	L
L 0724161	PL.8177	B	Consumer	7.06Y	117.6	0.00	8.40	3.04	0	20	8	93	0.00	0.0	4.628	0.000	11	4	1	2	L
L 0724162	0724161	B	Consumer	7.06Y	117.6	0.00	8.40	1.31	0	9	3	95	0.00	0.0	4.628	0.000	9	3	1	1	L
L PL.8209	PL.8177	B	4ACSR	7.05Y	117.6	0.02	8.42	10.94	6	72	27	94	0.01	0.0	4.663	0.035	0	0	0	13	L
L 0734075	PL.8209	B	Consumer	7.05Y	117.6	0.00	8.42	0.92	0	6	2	95	0.00	0.0	4.663	0.000	6	2	1	1	L
L 0734074	PL.8209	B	Consumer	7.05Y	117.6	0.00	8.42	0.93	0	6	2	95	0.00	0.0	4.663	0.000	6	2	1	1	L
L 073465	PL.8209	B	Consumer	7.05Y	117.6	0.00	8.42	1.21	0	8	3	94	0.00	0.0	4.663	0.000	8	3	1	1	L
L PL.8219	PL.8209	B	4ACSR	7.05Y	117.5	0.03	8.45	7.88	4	52	20	93	0.01	0.0	4.755	0.091	0	0	0	10	L
L PL.46081	PL.8219	B	2ACSR	7.05Y	117.5	0.00	8.45	0.00	0	0	0	100	0.00	0.0	4.764	0.009	0	0	0	0	L
L PD.8714-B	PL.46081	B	Open	7.05Y	117.5	0.00	8.45	0.00	0	0	0	100	0.00	0.0	4.764	0.000	0	0	0	0	L
L PL.8220	PL.8219	B	4ACSR	7.05Y	117.5	0.02	8.47	7.73	4	51	19	94	0.01	0.0	4.808	0.054	0	0	0	9	L
L 0724166	PL.8220	B	Consumer	7.05Y	117.5	0.00	8.47	0.00	0	0	0	100	0.00	0.0	4.808	0.000	0	0	0	0	L
L 0724144	PL.8220	B	Consumer	7.05Y	117.5	0.00	8.47	1.09	0	7	3	92	0.00	0.0	4.808	0.000	7	3	1	1	L
L PL.26060	PL.8220	B	4ACSR	7.05Y	117.5	0.03	8.50	6.64	3	44	16	94	0.01	0.0	4.909	0.101	0	0	0	8	L
L 0724119	PL.26060	B	Consumer	7.05Y	117.5	0.00	8.50	0.00	0	0	0	100	0.00	0.0	4.909	0.000	0	0	1	1	L
L 0724114	PL.26060	B	Consumer	7.05Y	117.5	0.00	8.50	0.92	0	6	2	95	0.00	0.0	4.909	0.000	6	2	1	1	L
L 0724159	PL.26060	B	Consumer	7.05Y	117.5	0.00	8.50	0.86	0	6	2	95	0.00	0.0	4.909	0.000	6	2	1	1	L
L PL.26061	PL.26060	B	4ACSR	7.05Y	117.5	0.01	8.52	4.85	2	32	12	94	0.00	0.0	4.971	0.062	0	0	0	5	L
L PL.26062	PL.26061	B	4ACSR	7.05Y	117.5	0.00	8.52	1.96	1	13	5	93	0.00	0.0	5.005	0.034	0	0	0	2	L
L PL.8175	PL.26062	B	4ACSR	7.05Y	117.5	0.00	8.52	1.03	1	7	3	92	0.00	0.0	5.048	0.042	0	0	0	1	L
L 0724116	PL.8175	B	Consumer	7.05Y	117.5	0.00	8.52	0.00	0	0	0	100	0.00	0.0	5.048	0.000	0	0	0	0	L
L 0724139	PL.8175	B	Consumer	7.05Y	117.5	0.00	8.52	1.03	0	7	3	92	0.00	0.0	5.048	0.000	7	3	1	1	L
L 0724117	PL.26062	B	Consumer	7.05Y	117.5	0.00	8.52	0.93	0	6	2	95	0.00	0.0	5.005	0.000	6	2	1	1	L
L 0724130	PL.26061	B	Consumer	7.05Y	117.5	0.00	8.52	0.97	0	6	2	95	0.00	0.0	4.971	0.000	6	2	1	1	L
L 0724111	PL.26061	B	Consumer	7.05Y	117.5	0.00	8.52	1.10	0	7	3	92	0.00	0.0	4.971	0.000	7	3	1	1	L
L 0724127	PL.26061	B	Consumer	7.05Y	117.5	0.00	8.52	0.82	0	5	2	93	0.00	0.0	4.971	0.000	5	2	1	1	L
L 073470	PL.8219	B	Consumer	7.05Y	117.5	0.00	8.45	0.16	0	1	0	100	0.00	0.0	4.755	0.000	1	0	1	1	L
L 0724122	PL.8176	B	Consumer	7.06Y	117.6	0.00	8.36	1.19	0	8	3	94	0.00	0.0	4.559	0.000	8	3	1	1	L
L PL.34860	PL.44151	B	4ACSR	7.07Y	117.8	0.00	8.20	1.04	1	7	3	92	0.00	0.0	4.346	0.007	0	0	0	1	L
L PD.4981	PL.34860	B	fuse6AMP	7.07Y	117.8	0.00	8.20	1.04	18	7	3	92	0.00	0.0	4.346	0.000	0	0	0	1	L
L PL.34861	PD.4981	B	4ACSR	7.07Y	117.8	0.00	8.21	1.04	1	7	3	92	0.00	0.0	4.411	0.066	0	0	0	1	L
L 0724115	PL.34861	B	Consumer	7.07Y	117.8	0.00	8.21	1.04	0	7	3	92	0.00	0.0	4.411	0.000	7	3	1	1	L
L 0724168	PL.44150	B	Consumer	7.07Y	117.8	0.00	8.17	0.00	0	0	0	100	0.00	0.0	4.296	0.000	0	0	0	0	L
0724106	PL.12370	B	Consumer	7.09Y	118.2	0.00	7.84	0.73	0	5	2	93	0.00	0.0	4.074	0.000	5	2	1	1	
072489	PL.25286	B	Consumer	7.10Y	118.3	0.00	7.72	0.14	0	1	0	100	0.00	0.0	4.016	0.000	1	0	1	1	
072430	PL.25286	B	Consumer	7.10Y	118.3	0.00	7.72	0.36	0	2	1	89	0.00	0.0	4.016	0.000	2	1	1	1	
072497	PL.25286	B	Consumer	7.10Y	118.3	0.00	7.72	0.78	0	5	2	93	0.00	0.0	4.016	0.000	5	2	1	1	
0724128	PL.25286	B	Consumer	7.10Y	118.3	0.00	7.72	0.00	0	0	0	100	0.00	0.0	4.016	0.000	0	0	0	0	

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

Unbalanced Voltage Drop Report
Source: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
0724104	PL.15626	B	Consumer	7.12Y	118.6	0.00	7.35	0.43	0	3	1	95	0.00	0.0	3.835	0.000	3	1	1	1
072449	PL.15626	B	Consumer	7.12Y	118.6	0.00	7.35	1.58	0	11	4	94	0.00	0.0	3.835	0.000	11	4	1	1
072403	PL.15626	B	Consumer	7.12Y	118.6	0.00	7.35	0.56	0	4	1	97	0.00	0.0	3.835	0.000	4	1	1	1
0724105	PL.15624	B	Consumer	7.14Y	119.1	0.00	6.94	1.48	0	10	4	93	0.00	0.0	3.669	0.000	10	4	1	1
072446	PL.15624	B	Consumer	7.14Y	119.1	0.00	6.94	0.04	0	0	0	100	0.00	0.0	3.669	0.000	0	0	1	1
072453	PL.15624	B	Consumer	7.14Y	119.1	0.00	6.94	0.00	0	0	0	100	0.00	0.0	3.669	0.000	0	0	0	0
0724153	PL.15624	B	Consumer	7.14Y	119.1	0.00	6.94	0.00	0	0	0	100	0.00	0.0	3.669	0.000	0	0	0	0
072471	PL.15624	B	Consumer	7.14Y	119.1	0.00	6.94	0.45	0	3	1	95	0.00	0.0	3.669	0.000	3	1	1	1
072437	PL.20077	B	Consumer	7.15Y	119.1	0.00	6.89	0.45	0	3	1	95	0.00	0.0	3.610	0.000	3	1	1	1
072415	PL.20077	B	Consumer	7.15Y	119.1	0.00	6.89	0.69	0	5	2	93	0.00	0.0	3.610	0.000	5	2	1	1
072429	PL.25832	B	Consumer	7.15Y	119.2	0.00	6.85	1.07	0	7	3	92	0.00	0.0	3.564	0.000	7	3	1	1
072473	PL.25832	B	Consumer	7.15Y	119.2	0.00	6.85	0.00	0	0	0	100	0.00	0.0	3.564	0.000	0	0	0	0
072448	PL.26234	B	Consumer	7.15Y	119.2	0.00	6.82	0.00	0	0	0	100	0.00	0.0	3.539	0.000	0	0	1	1
072445	PL.26234	B	Consumer	7.15Y	119.2	0.00	6.82	2.49	0	17	6	94	0.00	0.0	3.539	0.000	17	6	1	1
072425	PL.26234	B	Consumer	7.15Y	119.2	0.00	6.82	0.65	0	4	2	89	0.00	0.0	3.539	0.000	4	2	1	1
072426	PL.26234	B	Consumer	7.15Y	119.2	0.00	6.82	0.64	0	4	2	89	0.00	0.0	3.539	0.000	4	2	1	1
072454	PL.26234	B	Consumer	7.15Y	119.2	0.00	6.82	0.00	0	0	0	100	0.00	0.0	3.539	0.000	0	0	0	0
PL.26235	PL.34855	B	4ACSR	7.15Y	119.2	0.02	6.81	10.14	5	68	26	93	0.01	0.0	3.557	0.053	0	0	0	14
PL.8169	PL.26235	B	4ACSR	7.15Y	119.2	0.01	6.82	5.29	3	35	13	94	0.00	0.0	3.596	0.040	0	0	0	7
PL.7599	PL.8169	B	4ACSR	7.15Y	119.2	0.00	6.82	2.06	1	14	5	94	0.00	0.0	3.623	0.027	0	0	0	5
0724108	PL.7599	B	Consumer	7.15Y	119.2	0.00	6.82	0.57	0	4	1	97	0.00	0.0	3.623	0.000	4	1	1	1
PL.34853	PL.7599	B	4ACSR	7.15Y	119.2	0.00	6.82	1.04	1	7	3	92	0.00	0.0	3.636	0.013	0	0	0	1
PD.4980	PL.34853	B	fuse6AMP	7.15Y	119.2	0.00	6.82	1.04	18	7	3	92	0.00	0.0	3.636	0.000	0	0	0	1
PL.34854	PD.4980	B	4ACSR	7.15Y	119.2	0.00	6.83	1.04	1	7	3	92	0.00	0.0	3.669	0.034	0	0	0	1
0724143	PL.34854	B	Consumer	7.15Y	119.2	0.00	6.83	1.04	0	7	3	92	0.00	0.0	3.669	0.000	7	3	1	1
PL.7600	PL.7599	B	4ACSR	7.15Y	119.2	0.00	6.82	0.45	0	3	1	95	0.00	0.0	3.676	0.052	0	0	0	3
072499	PL.7600	B	Consumer	7.15Y	119.2	0.00	6.82	0.35	0	2	1	89	0.00	0.0	3.676	0.000	2	1	1	1
0724134	PL.7600	B	Consumer	7.15Y	119.2	0.00	6.82	0.09	0	1	0	100	0.00	0.0	3.676	0.000	1	0	1	1
0724155	PL.7600	B	Consumer	7.15Y	119.2	0.00	6.82	0.01	0	0	0	100	0.00	0.0	3.676	0.000	0	0	1	1
072495	PL.8169	B	Consumer	7.15Y	119.2	0.00	6.82	0.00	0	0	0	100	0.00	0.0	3.596	0.000	0	0	0	0
0724101	PL.8169	B	Consumer	7.15Y	119.2	0.00	6.82	1.37	0	9	3	95	0.00	0.0	3.596	0.000	9	3	1	1
072493	PL.8169	B	Consumer	7.15Y	119.2	0.00	6.82	1.85	0	12	5	92	0.00	0.0	3.596	0.000	12	5	1	1
072441	PL.26235	B	Consumer	7.15Y	119.2	0.00	6.81	0.53	0	4	1	97	0.00	0.0	3.557	0.000	4	1	1	1
PL.34851	PL.26235	B	4ACSR	7.15Y	119.2	0.00	6.81	4.32	2	29	11	93	0.00	0.0	3.564	0.007	0	0	0	6
PD.4979	PL.34851	B	fuse6AMP	7.15Y	119.2	0.00	6.81	4.32	74	29	11	93	0.00	0.0	3.564	0.000	0	0	0	6
PL.34852	PD.4979	B	4ACSR	7.15Y	119.2	0.00	6.81	4.32	2	29	11	93	0.00	0.0	3.572	0.008	0	0	0	6
PL.25831	PL.34852	B	4ACSR	7.15Y	119.2	0.00	6.82	3.00	2	20	8	93	0.00	0.0	3.588	0.016	0	0	0	5
072407	PL.25831	B	Consumer	7.15Y	119.2	0.00	6.82	0.94	0	6	2	95	0.00	0.0	3.588	0.000	6	2	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: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
072466	PL.25831	B	Consumer	7.15Y	119.2	0.00	6.82	0.97	0	6	2	95	0.00	0.0	3.588	0.000	6	2	1	1
PL.4803	PL.25831	B	4ACSR	7.15Y	119.2	0.00	6.82	1.09	1	7	3	92	0.00	0.0	3.641	0.053	0	0	0	3
072479	PL.4803	B	Consumer	7.15Y	119.2	0.00	6.82	0.51	0	3	1	95	0.00	0.0	3.641	0.000	3	1	1	1
072498	PL.4803	B	Consumer	7.15Y	119.2	0.00	6.82	0.58	0	4	1	97	0.00	0.0	3.641	0.000	4	1	1	1
072481	PL.4803	B	Consumer	7.15Y	119.2	0.00	6.82	0.01	0	0	0	100	0.00	0.0	3.641	0.000	0	0	1	1
072486	PL.34852	B	Consumer	7.15Y	119.2	0.00	6.81	1.32	0	9	3	95	0.00	0.0	3.572	0.000	9	3	1	1
072496	PL.34855	B	Consumer	7.15Y	119.2	0.00	6.79	0.00	0	0	0	100	0.00	0.0	3.504	0.000	0	0	0	0
PL.34850	PL.34858	B	4ACSR	7.15Y	119.2	0.00	6.78	0.78	0	5	2	93	0.00	0.0	3.594	0.098	0	0	0	2
072439	PL.34850	B	Consumer	7.15Y	119.2	0.00	6.78	0.39	0	3	1	95	0.00	0.0	3.594	0.000	3	1	1	1
072424	PL.34850	B	Consumer	7.15Y	119.2	0.00	6.78	0.39	0	3	1	95	0.00	0.0	3.594	0.000	3	1	1	1
072487	OH33	B	Consumer	7.16Y	119.3	0.00	6.70	0.09	0	1	0	100	0.00	0.0	3.428	0.000	1	0	1	1
072443	OH33	B	Consumer	7.16Y	119.3	0.00	6.70	0.16	0	1	0	100	0.00	0.0	3.428	0.000	1	0	1	1
072463	OH33	B	Consumer	7.16Y	119.3	0.00	6.70	1.10	0	7	3	92	0.00	0.0	3.428	0.000	7	3	1	1
072484	OH33	B	Consumer	7.16Y	119.3	0.00	6.70	0.00	0	0	0	100	0.00	0.0	3.428	0.000	0	0	1	1
072477	OH33	B	Consumer	7.16Y	119.3	0.00	6.70	0.33	0	2	1	89	0.00	0.0	3.428	0.000	2	1	1	1
072492	OH33	B	Consumer	7.16Y	119.3	0.00	6.70	0.48	0	3	1	95	0.00	0.0	3.428	0.000	3	1	1	1
0724100	PL.8166	B	Consumer	7.18Y	119.7	0.00	6.27	0.49	0	3	1	95	0.00	0.0	3.077	0.000	3	1	1	1
0724102	PL.8166	B	Consumer	7.18Y	119.7	0.00	6.27	1.02	0	7	3	92	0.00	0.0	3.077	0.000	7	3	1	1
072483	PL.8166	B	Consumer	7.18Y	119.7	0.00	6.27	0.00	0	0	0	100	0.00	0.0	3.077	0.000	0	0	1	1
072491	PL.8165	B	Consumer	7.20Y	120.0	0.00	6.03	0.39	0	3	1	95	0.00	0.0	2.888	0.000	3	1	1	1
PL.34871	PL.26072	B	4ACSR	7.20Y	120.0	0.00	6.01	0.00	0	0	0	100	0.00	0.0	2.880	0.010	0	0	0	0
PD.4986	PL.34871	B	fuse6AMP	7.20Y	120.0	0.00	6.01	0.00	0	0	0	100	0.00	0.0	2.880	0.000	0	0	0	0
PL.34872	PD.4986	B	4ACSR	7.20Y	120.0	0.00	6.01	0.00	0	0	0	100	0.00	0.0	2.904	0.024	0	0	0	0
PL.24274	PL.34872	B	4ACSR	7.20Y	120.0	0.00	6.01	0.00	0	0	0	100	0.00	0.0	2.935	0.031	0	0	0	0
PL.34869	PL.26072	B	4ACSR	7.20Y	120.0	0.00	6.01	0.44	0	3	1	95	0.00	0.0	2.876	0.006	0	0	0	1
PD.4985	PL.34869	B	fuse6AMP	7.20Y	120.0	0.00	6.01	0.44	8	3	1	95	0.00	0.0	2.876	0.000	0	0	0	1
PL.34870	PD.4985	B	4ACSR	7.20Y	120.0	0.00	6.01	0.44	0	3	1	95	0.00	0.0	2.924	0.048	0	0	0	1
073464	PL.34870	B	Consumer	7.20Y	120.0	0.00	6.01	0.44	0	3	1	95	0.00	0.0	2.924	0.000	3	1	1	1
073451	PL.26073	B	Consumer	7.20Y	120.1	0.00	5.94	1.02	0	7	3	92	0.00	0.0	2.812	0.000	7	3	1	1
073429	PL.26076	B	Consumer	7.21Y	120.1	0.00	5.87	1.59	0	11	4	94	0.00	0.0	2.761	0.000	11	4	1	1
PL.12770	PL.26074	B	4ACSR	7.21Y	120.2	0.04	5.83	14.86	8	100	38	93	0.03	0.0	2.762	0.063	0	0	0	16
PL.34865	PL.12770	B	4ACSR	7.21Y	120.2	0.00	5.83	0.76	0	5	2	93	0.00	0.0	2.770	0.008	0	0	0	1
PD.4983	PL.34865	B	fuse6AMP	7.21Y	120.2	0.00	5.83	0.76	13	5	2	93	0.00	0.0	2.770	0.000	0	0	0	1
PL.34866	PD.4983	B	4ACSR	7.21Y	120.2	0.00	5.83	0.76	0	5	2	93	0.00	0.0	2.789	0.019	0	0	0	1
073472	PL.34866	B	Consumer	7.21Y	120.2	0.00	5.83	0.76	0	5	2	93	0.00	0.0	2.789	0.000	5	2	1	1
PL.12771	PL.12770	B	4ACSR	7.21Y	120.1	0.04	5.87	12.60	6	85	32	94	0.03	0.0	2.833	0.071	0	0	0	14
PL.34862	PL.12771	B	4ACSR	7.21Y	120.1	0.00	5.87	1.14	1	8	3	94	0.00	0.0	2.843	0.010	0	0	0	2
PD.4982	PL.34862	B	fuse6AMP	7.21Y	120.1	0.00	5.87	1.14	20	8	3	94	0.00	0.0	2.843	0.000	0	0	0	2

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: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.34863	PD.4982	B	4ACSR	7.21Y	120.1	0.00	5.87	1.14	1	8	3	94	0.00	0.0	2.875	0.032	0	0	0	2
073462	PL.34863	B	Consumer	7.21Y	120.1	0.00	5.87	1.05	0	7	3	92	0.00	0.0	2.875	0.000	7	3	1	1
073435	PL.34863	B	Consumer	7.21Y	120.1	0.00	5.87	0.09	0	1	0	100	0.00	0.0	2.875	0.000	1	0	1	1
073473	PL.12771	B	Consumer	7.21Y	120.1	0.00	5.87	1.59	0	11	4	94	0.00	0.0	2.833	0.000	11	4	1	1
073427	PL.12771	B	Consumer	7.21Y	120.1	0.00	5.87	1.58	0	11	4	94	0.00	0.0	2.833	0.000	11	4	1	1
073428	PL.12771	B	Consumer	7.21Y	120.1	0.00	5.87	0.27	0	2	1	89	0.00	0.0	2.833	0.000	2	1	1	1
073439	PL.12771	B	Consumer	7.21Y	120.1	0.00	5.87	0.33	0	2	1	89	0.00	0.0	2.833	0.000	2	1	1	1
PL.12772	PL.12771	B	4ACSR	7.21Y	120.1	0.02	5.90	7.69	4	52	19	94	0.01	0.0	2.899	0.066	0	0	0	8
PL.37693	PL.12772	B	2ACSR	7.21Y	120.1	0.00	5.90	1.89	1	13	5	93	0.00	0.0	2.965	0.066	0	0	0	1
0734076	PL.37693	B	Consumer	7.21Y	120.1	0.00	5.90	1.89	0	13	5	93	0.00	0.0	2.965	0.000	13	5	1	1
PL.8202	PL.12772	B	4ACSR	7.21Y	120.1	0.01	5.91	4.06	2	27	10	94	0.00	0.0	2.976	0.077	0	0	0	5
073440	PL.8202	B	Consumer	7.21Y	120.1	0.00	5.91	1.50	0	10	4	93	0.00	0.0	2.976	0.000	10	4	1	1
073434	PL.8202	B	Consumer	7.21Y	120.1	0.00	5.91	0.67	0	5	2	93	0.00	0.0	2.976	0.000	5	2	1	1
073436	PL.8202	B	Consumer	7.21Y	120.1	0.00	5.91	0.49	0	3	1	95	0.00	0.0	2.976	0.000	3	1	1	1
073437	PL.8202	B	Consumer	7.21Y	120.1	0.00	5.91	0.42	0	3	1	95	0.00	0.0	2.976	0.000	3	1	1	1
PL.8203	PL.8202	B	4ACSR	7.21Y	120.1	0.00	5.91	0.98	1	7	2	96	0.00	0.0	3.024	0.048	0	0	0	1
073448	PL.8203	B	Consumer	7.21Y	120.1	0.00	5.91	0.98	0	7	2	96	0.00	0.0	3.024	0.000	7	2	1	1
PL.46080	PL.8203	B	2ACSR	7.21Y	120.1	0.00	5.91	0.00	0	0	0	100	0.00	0.0	3.116	0.092	0	0	0	0
PD.8714-A	PL.46080	B	Open	7.21Y	120.1	0.00	5.91	0.00	0	0	0	100	0.00	0.0	3.116	0.000	0	0	0	0
073452	PL.12772	B	Consumer	7.21Y	120.1	0.00	5.90	0.44	0	3	1	95	0.00	0.0	2.899	0.000	3	1	1	1
073423	PL.12772	B	Consumer	7.21Y	120.1	0.00	5.90	0.00	0	0	0	100	0.00	0.0	2.899	0.000	0	0	0	0
073456	PL.12772	B	Consumer	7.21Y	120.1	0.00	5.90	1.30	0	9	3	95	0.00	0.0	2.899	0.000	9	3	1	1
PL.34867	PL.12770	B	4ACSR	7.21Y	120.2	0.00	5.83	1.51	1	10	4	93	0.00	0.0	2.773	0.011	0	0	0	1
PD.4984	PL.34867	B	fuse6AMP	7.21Y	120.2	0.00	5.83	1.51	26	10	4	93	0.00	0.0	2.773	0.000	0	0	0	1
PL.34868	PD.4984	B	4ACSR	7.21Y	120.2	0.00	5.83	1.51	1	10	4	93	0.00	0.0	2.807	0.034	0	0	0	1
073467	PL.34868	B	Consumer	7.21Y	120.2	0.00	5.83	1.51	0	10	4	93	0.00	0.0	2.807	0.000	10	4	1	1
PL.26075	PL.26077	B	4ACSR	7.21Y	120.2	0.01	5.76	3.62	2	24	9	94	0.00	0.0	2.709	0.035	0	0	0	4
073466	PL.26075	B	Consumer	7.21Y	120.2	0.00	5.76	0.49	0	3	1	95	0.00	0.0	2.709	0.000	3	1	1	1
073461	PL.26075	B	Consumer	7.21Y	120.2	0.00	5.76	1.35	0	9	3	95	0.00	0.0	2.709	0.000	9	3	1	1
073432	PL.26075	B	Consumer	7.21Y	120.2	0.00	5.76	1.53	0	10	4	93	0.00	0.0	2.709	0.000	10	4	1	1
073446	PL.26075	B	Consumer	7.21Y	120.2	0.00	5.76	0.00	0	0	0	100	0.00	0.0	2.709	0.000	0	0	0	0
073442	PL.26075	B	Consumer	7.21Y	120.2	0.00	5.76	0.25	0	2	1	89	0.00	0.0	2.709	0.000	2	1	1	1
PL.40995	PL.40996	B	2ACSR	7.22Y	120.3	0.00	5.71	0.05	0	0	0	100	0.00	0.0	2.668	0.018	0	0	0	1
0734077	PL.40995	B	Consumer	7.22Y	120.3	0.00	5.71	0.05	0	0	0	100	0.00	0.0	2.668	0.000	0	0	1	1
PL.17435	PL.46083	B	4ACSR	7.23Y	120.5	0.00	5.47	0.65	0	4	2	89	0.00	0.0	2.507	0.005	0	0	0	3
PD.2200	PL.17435	B	fuse6AMP	7.23Y	120.5	0.00	5.47	0.65	11	4	2	89	0.00	0.0	2.507	0.000	0	0	0	3
PL.17436	PD.2200	B	4ACSR	7.23Y	120.5	0.00	5.47	0.65	0	4	2	89	0.00	0.0	2.518	0.012	0	0	0	3
073443	PL.17436	B	Consumer	7.23Y	120.5	0.00	5.47	0.10	0	1	0	100	0.00	0.0	2.518	0.000	1	0	1	1

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

Unbalanced Voltage Drop Report
Source: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
073468	PL.17436	B	Consumer	7.23Y	120.5	0.00	5.47	0.00	0	0	0	100	0.00	0.0	2.518	0.000	0	0	1	1
073444	PL.17436	B	Consumer	7.23Y	120.5	0.00	5.47	0.55	0	4	1	97	0.00	0.0	2.518	0.000	4	1	1	1
073457	PL.8200	B	Consumer	7.24Y	120.7	0.00	5.27	1.48	0	10	4	93	0.00	0.0	2.376	0.000	10	4	1	1
073441	PL.8200	B	Consumer	7.24Y	120.7	0.00	5.27	1.48	0	10	4	93	0.00	0.0	2.376	0.000	10	4	1	1
073459	PL.25288	B	Consumer	7.25Y	120.8	0.00	5.21	0.98	0	7	2	96	0.00	0.0	2.340	0.000	7	2	1	1
073460	PL.8198	B	Consumer	7.28Y	121.4	0.00	4.60	0.52	0	4	1	97	0.00	0.0	1.997	0.000	4	1	1	1
073411	PL.44254	B	Consumer	7.30Y	121.7	0.00	4.29	1.25	0	9	3	95	0.00	0.0	1.833	0.000	9	3	1	1
PD.3431	PL.46029	B	25V4E	7.36Y	122.6	0.00	3.41	0.00	0	0	0	100	0.00	0.0	1.363	0.000	0	0	0	0
PL.12774	PD.3431	B	4ACSR	7.36Y	122.6	0.00	3.41	0.00	0	0	0	100	0.00	0.0	1.628	0.265	0	0	0	0
PD.512-B	PL.12774	B	Open	7.36Y	122.6	0.00	3.41	0.00	0	0	0	100	0.00	0.0	1.628	0.000	0	0	0	0
PL.15059	PL.12725	B	4ACSR	7.48Y	124.7	0.00	1.28	1.42	1	10	4	93	0.00	0.0	0.507	0.006	0	0	0	1
PD.2138	PL.15059	B	fuse6AMP	7.48Y	124.7	0.00	1.28	1.42	24	10	4	93	0.00	0.0	0.507	0.000	0	0	0	1
PL.15060	PD.2138	B	4ACSR	7.48Y	124.7	0.01	1.28	1.42	1	10	4	93	0.00	0.0	0.607	0.101	0	0	0	1
PL.8196	PL.15060	B	4ACSR	7.48Y	124.7	0.00	1.28	1.42	1	10	4	93	0.00	0.0	0.633	0.025	0	0	0	1
PL.24445	PL.8196	B	4ACSR	7.48Y	124.7	0.00	1.29	1.42	1	10	4	93	0.00	0.0	0.697	0.064	0	0	0	1
PL.24437	PL.24445	B	4ACSR	7.48Y	124.7	0.01	1.30	1.42	1	10	4	93	0.00	0.0	0.825	0.128	0	0	0	1
PL.24438	PL.24437	B	4ACSR	7.48Y	124.7	0.01	1.30	1.42	1	10	4	93	0.00	0.0	0.948	0.123	0	0	0	1
074529	PL.24438	B	Consumer	7.48Y	124.7	0.00	1.30	1.42	0	10	4	93	0.00	0.0	0.948	0.000	10	4	1	1
PL.34893	PL.12724	B	4ACSR	7.50Y	125.0	0.00	0.98	1.32	1	9	3	95	0.00	0.0	0.391	0.006	0	0	0	1
PD.4997	PL.34893	B	fuse6AMP	7.50Y	125.0	0.00	0.98	1.32	23	9	3	95	0.00	0.0	0.391	0.000	0	0	0	1
PL.34894	PD.4997	B	4ACSR	7.50Y	125.0	0.00	0.98	1.32	1	9	3	95	0.00	0.0	0.418	0.027	0	0	0	1
073541	PL.34894	B	Consumer	7.50Y	125.0	0.00	0.98	1.32	0	9	3	95	0.00	0.0	0.418	0.000	9	3	1	1
074538	PL.12727	B	Consumer	7.51Y	125.2	0.00	0.76	0.87	0	6	2	95	0.00	0.0	0.299	0.000	6	2	1	1
074501	PL.12727	B	Consumer	7.51Y	125.2	0.00	0.76	0.90	0	6	2	95	0.00	0.0	0.299	0.000	6	2	1	1
074513	OH23	B	Consumer	7.55Y	125.8	0.00	0.22	0.00	0	0	0	100	0.00	0.0	0.093	0.000	0	0	0	0
OH21	HARDWICH'S C...	A	336ACSR	7.56Y	126.0	0.03	0.03	144.51	20	1047	314	96	0.31	0.0	0.028	0.028	0	0	0	203
		B		7.56Y	126.0	0.00	0.00	71.02	10	528	95	98					0	0	0	100
		C		7.56Y	126.0	0.03	0.03	116.21	16	845	240	96					0	0	0	144
---------- Feeder No. 2 (HARDWICK2) Beginning with Device OCD42 ----------																				
OCD42	OH21	A	VWVE	7.56Y	126.0	0.00	0.03	144.51	0	1046	313	96	0.00	0.0	0.028	0.000	0	0	0	203
		B		7.56Y	126.0	0.00	0.00	71.02	0	529	95	98					0	0	0	100
		C		7.56Y	126.0	0.00	0.03	116.21	0	845	240	96					0	0	0	144
OH39	OCD42	A	336ACSR	7.56Y	126.0	0.02	0.05	144.51	20	1046	313	96	0.19	0.0	0.044	0.017	0	0	0	203
		B		7.56Y	126.0	0.00	0.00	71.02	10	529	95	98					0	0	0	100
		C		7.56Y	125.9	0.02	0.06	116.21	16	845	240	96					0	0	0	144
OH25	OH39	A	336ACSR	7.56Y	126.0	0.00	0.05	0.00	0	0	0	100	0.00	0.0	0.048	0.004	0	0	0	0
		B		7.56Y	126.0	0.00	0.00	0.00	0	0	0	100					0	0	0	0
		C		7.56Y	125.9	0.00	0.06	0.00	0	0	0	100					0	0	0	0
SW26-A	OH25	A	Open	7.56Y	126.0	0.00	0.05	0.00	0	0	0	100	0.00	0.0	0.048	0.000	0	0	0	0
		B		7.56Y	126.0	0.00	0.00	0.00	0	0	0	100					0	0	0	0
		C		7.56Y	125.9	0.00	0.06	0.00	0	0	0	100					0	0	0	0
PL.8192	OH39	A	336ACSR	7.55Y	125.9	0.04	0.08	144.51	20	1046	313	96	0.37	0.0	0.075	0.031	0	0	0	203
		B		7.56Y	126.0	-0.01	-0.00	71.02	10	529	95	98					0	0	0	100
		C		7.55Y	125.9	0.04	0.10	116.21	16	845	240	96					0	0	0	144

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: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.12728	PL.8192	A	336ACSR	7.55Y	125.8	0.07	0.15	144.51	20	1046	312	96	0.67	0.0	0.133	0.057	0	0	0	203
		B		7.56Y	126.0	-0.01	-0.02	69.94	10	521	92	98					0	0	0	99
		C		7.55Y	125.8	0.08	0.18	116.21	16	845	240	96					0	0	0	144
PL.12729	PL.12728	A	336ACSR	7.54Y	125.7	0.13	0.28	144.51	20	1046	311	96	1.29	0.1	0.242	0.109	0	0	0	203
		B		7.56Y	126.0	-0.03	-0.04	69.46	10	517	90	99					0	0	0	97
		C		7.54Y	125.7	0.16	0.34	116.21	16	844	239	96					0	0	0	144
PL.15310	PL.12729	A	336ACSR	7.54Y	125.7	0.00	0.28	144.51	20	1045	309	96	0.02	0.0	0.243	0.001	0	0	0	203
		B		7.56Y	126.0	-0.00	-0.04	68.71	9	512	88	99					0	0	0	96
		C		7.54Y	125.7	0.00	0.34	116.21	16	843	238	96					0	0	0	144
PL.15309	PL.15310	A	336ACSR	7.54Y	125.7	0.01	0.28	144.51	20	1045	309	96	0.06	0.0	0.249	0.005	0	0	0	203
		B		7.56Y	126.0	-0.00	-0.04	68.71	9	512	88	99					0	0	0	96
		C		7.54Y	125.7	0.01	0.35	116.21	16	843	238	96					0	0	0	144
OH28	PL.15309	A	336ACSR	7.54Y	125.7	0.00	0.28	0.00	0	0	0	100	0.00	0.0	0.249	0.001	0	0	0	0
		B		7.56Y	126.0	0.00	-0.04	0.00	0	0	0	100					0	0	0	0
		C		7.54Y	125.7	0.00	0.35	0.00	0	0	0	100					0	0	0	0
SW29-B	OH28	A	Open	7.54Y	125.7	0.00	0.28	0.00	0	0	0	100	0.00	0.0	0.249	0.000	0	0	0	0
		B		7.56Y	126.0	0.00	-0.04	0.00	0	0	0	100					0	0	0	0
		C		7.54Y	125.7	0.00	0.35	0.00	0	0	0	100					0	0	0	0
PL.39520	PL.15309	C	2ACSR	7.54Y	125.7	0.00	0.35	0.66	0	5	2	93	0.00	0.0	0.254	0.005	0	0	0	1
PD.6953	PL.39520	C	fuse6AMP	7.54Y	125.7	0.00	0.35	0.66	11	5	2	93	0.00	0.0	0.254	0.000	0	0	0	1
PL.39521	PD.6953	C	2ACSR	7.54Y	125.6	0.00	0.35	0.66	0	5	2	93	0.00	0.0	0.407	0.153	0	0	0	1
0745045	PL.39521	C	Consumer	7.54Y	125.6	0.00	0.35	0.66	0	5	2	93	0.00	0.0	0.407	0.000	5	2	1	1
PL.12730	PL.15309	A	1/0ACSR	7.53Y	125.5	0.18	0.46	144.51	44	1045	309	96	2.29	0.1	0.315	0.067	0	0	0	203
		B		7.56Y	126.0	0.04	-0.01	68.71	21	512	88	99					0	0	0	96
		C		7.53Y	125.5	0.17	0.52	114.77	35	833	235	96					0	0	0	142
074533	PL.12730	A	Consumer	7.53Y	125.5	0.00	0.46	0.93	0	7	2	96	0.00	0.0	0.315	0.000	7	2	1	1
074532	PL.12730	B	Consumer	7.56Y	126.0	0.00	-0.01	1.20	0	8	3	94	0.00	0.0	0.315	0.000	8	3	1	1
PL.15307	PL.12730	A	4ACSR	7.53Y	125.5	0.00	0.46	0.00	0	0	0	100	0.00	0.0	0.321	0.005	0	0	0	0
PD.2115	PL.15307	A	fuse6AMP	7.53Y	125.5	0.00	0.46	0.00	0	0	0	100	0.00	0.0	0.321	0.000	0	0	0	0
PL.15308	PD.2115	A	4ACSR	7.53Y	125.5	0.00	0.46	0.00	0	0	0	100	0.00	0.0	0.387	0.066	0	0	0	0
074531	PL.15308	A	Consumer	7.53Y	125.5	0.00	0.46	0.00	0	0	0	100	0.00	0.0	0.387	0.000	0	0	0	0
PL.12731	PL.12730	A	1/0ACSR	7.52Y	125.3	0.21	0.67	143.59	44	1038	305	96	2.69	0.1	0.394	0.079	0	0	0	202
		B		7.56Y	126.0	0.04	0.03	67.53	20	504	85	99					0	0	0	95
		C		7.52Y	125.3	0.20	0.72	114.77	35	832	234	96					0	0	0	142
PL.15304	PL.12731	A	1/0ACSR	7.52Y	125.3	0.01	0.68	142.36	43	1028	300	96	0.19	0.0	0.400	0.006	0	0	0	201
		B		7.56Y	126.0	0.00	0.03	67.07	20	500	83	99					0	0	0	94
		C		7.52Y	125.3	0.01	0.73	114.77	35	831	233	96					0	0	0	142
CP.37	PL.15304	A	Cap (300)	7.52Y	125.3	0.00	0.68	-14.50	0	0	-109	0	0.00	0.0	0.400	0.000	0	0	0	0
P		B		7.56Y	126.0	0.00	0.03	-14.58	0	0	-110	0					0	0	0	0 P
		C		7.52Y	125.3	0.00	0.73	-14.50	0	0	-109	0					0	0	0	0
PL.21503	PL.15304	A	1/0ACSR	7.51Y	125.2	0.10	0.78	147.08	45	1028	409	93	1.28	0.1	0.435	0.035	0	0	0	201
		B		7.56Y	125.9	0.03	0.06	70.94	21	500	194	93					0	0	0	94
		C		7.51Y	125.2	0.10	0.83	119.50	36	830	342	92					0	0	0	142
PL.20088	PL.21503	A	1/0ACSR	7.50Y	125.1	0.14	0.92	146.21	44	1021	406	93	1.80	0.1	0.485	0.050	0	0	0	200
		B		7.55Y	125.9	0.04	0.09	70.94	21	500	193	93					0	0	0	94
		C		7.50Y	125.0	0.14	0.97	119.50	36	830	342	92					0	0	0	142
PL.24465	PL.20088	B	4ACSR	7.55Y	125.9	0.00	0.09	0.00	0	0	0	100	0.00	0.0	0.546	0.061	0	0	0	1
074541	PL.24465	B	Consumer	7.55Y	125.9	0.00	0.09	0.00	0	0	0	100	0.00	0.0	0.546	0.000	0	0	1	1
PL.12781	PL.20088	A	1/0ACSR	7.50Y	125.0	0.05	0.97	146.21	44	1020	404	93	0.69	0.0	0.505	0.019	0	0	0	200
		B		7.55Y	125.9	0.01	0.11	69.25	21	488	189	93					0	0	0	91
		C		7.50Y	125.0	0.05	1.02	119.50	36	829	341	92					0	0	0	142

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: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
074518	PL.12781	B	Consumer	7.55Y	125.9	0.00	0.11	1.78	0	13	5	93	0.00	0.0	0.505	0.000	13	5	1	1
074527	PL.12781	B	Consumer	7.55Y	125.9	0.00	0.11	0.00	0	0	0	100	0.00	0.0	0.505	0.000	0	0	1	1
PL.12782	PL.12781	A	1/0ACSR	7.49Y	124.9	0.12	1.09	146.21	44	1020	404	93	1.56	0.1	0.548	0.044	0	0	0	200
		B		7.55Y	125.9	0.03	0.14	67.47	20	475	184	93					0	0	0	89
		C		7.49Y	124.9	0.12	1.14	119.50	36	829	341	92					0	0	0	142
PL.12783	PL.12782	A	1/0ACSR	7.47Y	124.5	0.44	1.53	145.74	44	1016	402	93	5.64	0.2	0.707	0.159	0	0	0	199
		B		7.55Y	125.8	0.10	0.24	67.47	20	475	184	93					0	0	0	89
		C		7.47Y	124.4	0.44	1.58	119.50	36	828	341	92					0	0	0	142
074511	PL.12783	B	Consumer	7.55Y	125.8	0.00	0.24	0.80	0	6	2	95	0.00	0.0	0.707	0.000	6	2	1	1
074528	PL.12783	B	Consumer	7.55Y	125.8	0.00	0.24	0.14	0	1	0	100	0.00	0.0	0.707	0.000	1	0	1	1
PL.41323	PL.12783	A	1/0ACSR	7.47Y	124.4	0.05	1.58	145.74	44	1013	398	93	0.58	0.0	0.723	0.016	0	0	0	199
		B		7.55Y	125.8	0.01	0.25	66.53	20	468	181	93					0	0	0	87
		C		7.46Y	124.4	0.05	1.63	119.50	36	825	339	93					0	0	0	142
PL.41326	PL.41323	A	2ACSR	7.47Y	124.4	0.00	1.58	1.28	1	9	3	95	0.00	0.0	0.728	0.004	0	0	0	1
PD.7392	PL.41326	A	fuse6AMP	7.47Y	124.4	0.00	1.58	1.28	22	9	3	95	0.00	0.0	0.728	0.000	0	0	0	1
PL.41327	PD.7392	A	2ACSR	7.47Y	124.4	0.00	1.58	1.28	1	9	3	95	0.00	0.0	0.771	0.043	0	0	0	1
PL.41325	PL.41327	A	1/0EPRJCN	7.47Y	124.4	0.00	1.58	1.28	1	9	3	95	0.00	0.0	0.873	0.102	0	0	0	1
0745046	PL.41325	A	Consumer	7.47Y	124.4	0.00	1.58	1.30	0	9	3	95	0.00	0.0	0.873	0.000	9	3	1	1
PL.41324	PL.41323	A	1/0ACSR	7.44Y	124.1	0.36	1.94	144.46	44	1004	395	93	4.65	0.2	0.856	0.132	0	0	0	198
		B		7.54Y	125.7	0.08	0.33	66.53	20	468	181	93					0	0	0	87
		C		7.44Y	124.0	0.37	2.00	119.50	36	825	339	93					0	0	0	142
074512	PL.41324	B	Consumer	7.54Y	125.7	0.00	0.33	0.33	0	2	1	89	0.00	0.0	0.856	0.000	2	1	1	1
074522	PL.41324	C	Consumer	7.44Y	124.0	0.00	2.00	1.00	0	7	3	92	0.00	0.0	0.856	0.000	7	3	1	1
PL.8189	PL.41324	A	1/0ACSR	7.43Y	123.9	0.15	2.09	142.59	43	989	387	93	1.88	0.1	0.912	0.056	0	0	0	197
		B		7.54Y	125.6	0.03	0.36	66.20	20	466	180	93					0	0	0	86
		C		7.43Y	123.9	0.15	2.14	113.80	34	783	322	92					0	0	0	137
PL.8091	PL.8189	A	1/0ACSR	7.43Y	123.9	0.06	2.15	142.59	43	988	385	93	0.71	0.0	0.933	0.021	0	0	0	197
		B		7.54Y	125.6	0.01	0.38	66.20	20	465	180	93					0	0	0	86
		C		7.43Y	123.8	0.06	2.20	113.80	34	782	322	92					0	0	0	137
PL.18184	PL.8091	A	1/0ACSR	7.42Y	123.7	0.12	2.26	142.59	43	987	385	93	1.43	0.1	0.976	0.043	0	0	0	197
		B		7.54Y	125.6	0.03	0.40	65.90	20	463	179	93					0	0	0	85
		C		7.42Y	123.7	0.11	2.31	113.80	34	782	321	92					0	0	0	137
C PD.3630	PL.18184	A	70V4E	7.42Y	123.7	0.00	2.26	142.59	204	987	384	93	0.00	0.0	0.976	0.000	0	0	0	197 C
C		B		7.54Y	125.6	0.00	0.40	65.90	94	463	179	93					0	0	0	85 C
C		C		7.42Y	123.7	0.00	2.31	113.80	163	781	321	92					0	0	0	137 C
PL.18185	PD.3630	A	1/0ACSR	7.42Y	123.7	0.02	2.28	142.59	43	987	384	93	0.27	0.0	0.984	0.008	0	0	0	197
		B		7.54Y	125.6	0.00	0.41	65.90	20	463	179	93					0	0	0	85
		C		7.42Y	123.7	0.02	2.33	113.80	34	781	321	92					0	0	0	137
PL.383	PL.18185	A	1/0ACSR	7.42Y	123.7	0.03	2.31	61.37	19	423	168	93	0.81	0.0	1.028	0.044	0	0	0	84
		B		7.53Y	125.5	0.06	0.47	65.90	20	463	179	93					0	0	0	85
		C		7.41Y	123.6	0.11	2.44	113.80	34	781	321	92					0	0	0	137
PL.12805	PL.383	A	1/0ACSR	7.42Y	123.7	0.02	2.34	61.37	19	423	168	93	0.61	0.0	1.060	0.033	0	0	0	84
		B		7.53Y	125.5	0.04	0.51	65.90	20	463	179	93					0	0	0	85
		C		7.41Y	123.5	0.08	2.52	113.80	34	780	320	93					0	0	0	137
PL.26679	PL.12805	A	4ACSR	7.42Y	123.7	0.00	2.34	2.16	1	15	6	93	0.00	0.0	1.066	0.005	0	0	0	3
PD.2201	PL.26679	A	fuse6AMP	7.42Y	123.7	0.00	2.34	2.16	37	15	6	93	0.00	0.0	1.066	0.000	0	0	0	3
PL.26680	PD.2201	A	4ACSR	7.42Y	123.7	0.00	2.34	2.16	1	15	6	93	0.00	0.0	1.111	0.045	0	0	0	3
075666	PL.26680	A	Consumer	7.42Y	123.7	0.00	2.34	1.16	0	8	3	94	0.00	0.0	1.111	0.000	8	3	1	1
075620	PL.26680	A	Consumer	7.42Y	123.7	0.00	2.34	0.49	0	3	1	95	0.00	0.0	1.111	0.000	3	1	1	1

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

Unbalanced Voltage Drop Report
Source: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
075601	PL.26680	A	Consumer	7.42Y	123.7	0.00	2.34	0.51	0	4	1	97	0.00	0.0	1.111	0.000	4	1	1	1
PL.12806	PL.12805	A	1/0ACSR	7.42Y	123.6	0.07	2.41	59.22	18	408	163	93	2.10	0.1	1.174	0.114	0	0	0	81
		B		7.52Y	125.3	0.16	0.67	65.90	20	463	179	93					0	0	0	85
		C		7.39Y	123.2	0.28	2.79	113.80	34	780	320	93					0	0	0	137
PL.26677	PL.12806	A	1/0ACSR	7.42Y	123.6	0.00	2.41	59.22	18	408	162	93	0.10	0.0	1.180	0.006	0	0	0	81
		B		7.52Y	125.3	0.01	0.68	65.90	20	462	178	93					0	0	0	85
		C		7.39Y	123.2	0.01	2.81	113.80	34	779	318	93					0	0	0	137
PD.3435	PL.26677	A	VWVE	7.42Y	123.6	0.00	2.41	59.22	0	408	162	93	0.00	0.0	1.180	0.000	0	0	0	81
		B		7.52Y	125.3	0.00	0.68	65.90	0	462	178	93					0	0	0	85
		C		7.39Y	123.2	0.00	2.81	113.80	0	779	318	93					0	0	0	137
PL.26678	PD.3435	A	1/0ACSR	7.41Y	123.6	0.02	2.44	59.22	18	408	162	93	0.73	0.0	1.220	0.040	0	0	0	81
		B		7.52Y	125.3	0.05	0.73	65.90	20	462	178	93					0	0	0	85
		C		7.39Y	123.1	0.10	2.90	113.80	34	779	318	93					0	0	0	137
PL.26673	PL.26678	A	1/0ACSR	7.41Y	123.6	0.00	2.44	54.79	17	377	151	93	0.10	0.0	1.225	0.006	0	0	0	74
		B		7.52Y	125.3	0.01	0.74	65.90	20	462	178	93					0	0	0	85
		C		7.38Y	123.1	0.01	2.92	113.80	34	778	318	93					0	0	0	137
PD.515-A	PL.26673	A	Closed	7.41Y	123.6	0.00	2.44	54.79	0	377	151	93	0.00	0.0	1.225	0.000	0	0	0	74
		B		7.52Y	125.3	0.00	0.74	65.90	0	462	178	93					0	0	0	85
		C		7.38Y	123.1	0.00	2.92	113.80	0	778	317	93					0	0	0	137
PD.515-B	PD.515-A	A	Closed	7.41Y	123.6	0.00	2.44	54.79	0	377	151	93	0.00	0.0	1.225	0.000	0	0	0	74
		B		7.52Y	125.3	0.00	0.74	65.90	0	462	178	93					0	0	0	85
		C		7.38Y	123.1	0.00	2.92	113.80	0	778	317	93					0	0	0	137
PL.26674	PD.515-B	A	1/0ACSR	7.41Y	123.5	0.07	2.51	54.79	17	377	151	93	2.34	0.1	1.355	0.130	0	0	0	74
		B		7.50Y	125.1	0.18	0.93	65.90	20	462	178	93					0	0	0	85
		C		7.37Y	122.8	0.31	3.23	113.80	34	778	317	93					0	0	0	137
PL.15237	PL.26674	C	4ACSR	7.37Y	122.8	0.00	3.23	4.67	2	32	12	94	0.00	0.0	1.361	0.005	0	0	0	6
PD.3436	PL.15237	C	25V4E	7.37Y	122.8	0.00	3.23	4.67	19	32	12	94	0.00	0.0	1.361	0.000	0	0	0	6
PL.15238	PD.3436	C	4ACSR	7.37Y	122.8	0.01	3.25	4.67	2	32	12	94	0.00	0.0	1.428	0.067	0	0	0	6
PL.19146	PL.15238	C	4ACSR	7.37Y	122.8	0.00	3.25	1.05	1	7	3	92	0.00	0.0	1.497	0.070	0	0	0	1
PL.19145	PL.19146	C	4ACSR	7.36Y	122.7	0.00	3.25	1.05	1	7	3	92	0.00	0.0	1.550	0.053	0	0	0	1
PL.19952	PL.19145	C	4ACSR	7.36Y	122.7	0.00	3.25	1.05	1	7	3	92	0.00	0.0	1.569	0.019	0	0	0	1
PL.19653	PL.19952	C	4ACSR	7.36Y	122.7	0.00	3.26	1.05	1	7	3	92	0.00	0.0	1.620	0.051	0	0	0	1
075668	PL.19653	C	Consumer	7.36Y	122.7	0.00	3.26	1.05	0	7	3	92	0.00	0.0	1.620	0.000	7	3	1	1
PL.33888	PL.15238	C	4ACSR	7.36Y	122.7	0.01	3.25	3.62	2	25	9	94	0.00	0.0	1.479	0.051	0	0	0	5
PL.35104	PL.33888	C	4ACSR	7.36Y	122.7	0.02	3.27	2.24	1	15	6	93	0.00	0.0	1.664	0.186	0	0	0	4
PL.35106	PL.35104	C	4ACSR	7.36Y	122.7	0.01	3.28	2.24	1	15	6	93	0.00	0.0	1.733	0.069	0	0	0	4
PL.35115	PL.35106	C	4ACSR	7.36Y	122.7	0.00	3.28	1.60	1	11	4	94	0.00	0.0	1.744	0.011	0	0	0	1
PD.5203-A	PL.35115	C	Closed	7.36Y	122.7	0.00	3.28	1.60	0	11	4	94	0.00	0.0	1.744	0.000	0	0	0	1
PD.5203-B	PD.5203-A	C	Closed	7.36Y	122.7	0.00	3.28	1.60	0	11	4	94	0.00	0.0	1.744	0.000	0	0	0	1
PL.35116	PD.5203-B	C	4ACSR	7.36Y	122.7	0.01	3.29	1.60	1	11	4	94	0.00	0.0	1.825	0.081	0	0	0	1
PL.4683	PL.35116	C	4ACSR	7.36Y	122.7	0.01	3.29	1.60	1	11	4	94	0.00	0.0	1.926	0.102	0	0	0	1
074611	PL.4683	C	Consumer	7.36Y	122.7	0.00	3.29	1.60	0	11	4	94	0.00	0.0	1.926	0.000	11	4	1	1
PL.35112	PL.35106	C	4ACSR	7.36Y	122.7	0.00	3.28	0.64	0	4	2	89	0.00	0.0	1.850	0.117	0	0	0	2
PL.35107	PL.35112	C	2ACSR	7.36Y	122.7	0.00	3.29	0.64	0	4	2	89	0.00	0.0	1.971	0.121	0	0	0	2
PL.35109	PL.35107	C	4ACSR	7.36Y	122.7	0.01	3.29	0.64	0	4	2	89	0.00	0.0	2.239	0.267	0	0	0	2
PL.12811	PL.35109	C	4ACSR	7.36Y	122.7	0.00	3.29	0.00	0	0	0	100	0.00	0.0	2.480	0.241	0	0	0	1

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

Unbalanced Voltage Drop Report
Source: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.12812	PL.12811	C	4ACSR	7.36Y	122.7	0.00	3.29	0.00	0	0	0	100	0.00	0.0	2.531	0.051	0	0	0	1
074612	PL.12812	C	Consumer	7.36Y	122.7	0.00	3.29	0.00	0	0	0	100	0.00	0.0	2.531	0.000	0	0	1	1
PL.12813	PL.12812	C	4ACSR	7.36Y	122.7	0.00	3.29	0.00	0	0	0	100	0.00	0.0	2.586	0.055	0	0	0	0
074613	PL.12813	C	Consumer	7.36Y	122.7	0.00	3.29	0.00	0	0	0	100	0.00	0.0	2.586	0.000	0	0	0	0
075659	PL.35109	C	Consumer	7.36Y	122.7	0.00	3.29	0.64	0	4	2	89	0.00	0.0	2.239	0.000	4	2	1	1
PL.35117	PL.35112	C	4ACSR	7.36Y	122.7	0.00	3.28	0.00	0	0	0	100	0.00	0.0	1.855	0.005	0	0	0	0
PD.5204-A	PL.35117	C	Closed	7.36Y	122.7	0.00	3.28	0.00	0	0	0	100	0.00	0.0	1.855	0.000	0	0	0	0
PD.5204-B	PD.5204-A	C	Closed	7.36Y	122.7	0.00	3.28	0.00	0	0	0	100	0.00	0.0	1.855	0.000	0	0	0	0
PL.35118	PD.5204-B	C	4ACSR	7.36Y	122.7	0.00	3.28	0.00	0	0	0	100	0.00	0.0	2.138	0.283	0	0	0	0
PL.35113	PL.35106	C	4ACSR	7.36Y	122.7	0.00	3.28	0.00	0	0	0	100	0.00	0.0	1.736	0.003	0	0	0	1
PD.5202	PL.35113	C	fuse6AMP	7.36Y	122.7	0.00	3.28	0.00	0	0	0	100	0.00	0.0	1.736	0.000	0	0	0	1
PL.35114	PD.5202	C	4ACSR	7.36Y	122.7	0.00	3.28	0.00	0	0	0	100	0.00	0.0	1.800	0.064	0	0	0	1
075618	PL.35114	C	Consumer	7.36Y	122.7	0.00	3.28	0.00	0	0	0	100	0.00	0.0	1.800	0.000	0	0	1	1
0756069	PL.33888	C	Consumer	7.36Y	122.7	0.00	3.25	1.38	0	10	4	93	0.00	0.0	1.479	0.000	10	4	1	1
PL.15239	PL.26674	A	4ACSR	7.41Y	123.5	0.00	2.51	4.67	2	32	12	94	0.00	0.0	1.361	0.005	0	0	0	8
PD.2202	PL.15239	A	fuse6AMP	7.41Y	123.5	0.00	2.51	4.67	80	32	12	94	0.00	0.0	1.361	0.000	0	0	0	8
PL.15240	PD.2202	A	4ACSR	7.41Y	123.5	0.02	2.53	4.67	2	32	12	94	0.01	0.0	1.465	0.104	0	0	0	8
075627	PL.15240	A	Consumer	7.41Y	123.5	0.00	2.53	0.93	0	6	2	95	0.00	0.0	1.465	0.000	6	2	1	1
PL.4342	PL.15240	A	4ACSR	7.41Y	123.5	0.01	2.54	3.75	2	26	10	93	0.00	0.0	1.513	0.048	0	0	0	7
PL.4343	PL.4342	A	4ACSR	7.41Y	123.5	0.01	2.54	3.16	2	22	8	94	0.00	0.0	1.550	0.037	0	0	0	6
PL.25242	PL.4343	A	4ACSR	7.41Y	123.5	0.00	2.55	3.16	2	22	8	94	0.00	0.0	1.567	0.016	0	0	0	6
PL.25243	PL.25242	A	4ACSR	7.41Y	123.5	0.00	2.55	2.01	1	14	5	94	0.00	0.0	1.585	0.018	0	0	0	5
075663	PL.25243	A	Consumer	7.41Y	123.5	0.00	2.55	0.05	0	0	0	100	0.00	0.0	1.585	0.000	0	0	1	1
075635	PL.25243	A	Consumer	7.41Y	123.5	0.00	2.55	0.04	0	0	0	100	0.00	0.0	1.585	0.000	0	0	1	1
075634	PL.25243	A	Consumer	7.41Y	123.5	0.00	2.55	0.65	0	4	2	89	0.00	0.0	1.585	0.000	4	2	1	1
075636	PL.25243	A	Consumer	7.41Y	123.5	0.00	2.55	0.89	0	6	2	95	0.00	0.0	1.585	0.000	6	2	1	1
075643	PL.25243	A	Consumer	7.41Y	123.5	0.00	2.55	0.38	0	3	1	95	0.00	0.0	1.585	0.000	3	1	1	1
PL.25244	PL.25243	A	4ACSR	7.41Y	123.5	0.00	2.55	0.00	0	0	0	100	0.00	0.0	1.592	0.007	0	0	0	0
075639	PL.25242	A	Consumer	7.41Y	123.5	0.00	2.55	1.15	0	8	3	94	0.00	0.0	1.567	0.000	8	3	1	1
075631	PL.4342	A	Consumer	7.41Y	123.5	0.00	2.54	0.00	0	0	0	100	0.00	0.0	1.513	0.000	0	0	0	0
075617	PL.4342	A	Consumer	7.41Y	123.5	0.00	2.54	0.58	0	4	2	89	0.00	0.0	1.513	0.000	4	2	1	1
PL.12814	PL.26674	A	1/0ACSR	7.41Y	123.5	0.04	2.55	50.12	15	345	138	93	1.65	0.1	1.454	0.099	0	0	0	66
		B		7.50Y	124.9	0.14	1.07	65.90	20	461	178	93					0	0	0	85
		C		7.35Y	122.5	0.22	3.46	109.13	33	744	304	93					0	0	0	131
PL.12815	PL.12814	A	1/0ACSR	7.40Y	123.4	0.04	2.58	49.71	15	342	137	93	1.38	0.1	1.537	0.083	0	0	0	65
		B		7.49Y	124.8	0.12	1.19	65.90	20	461	178	93					0	0	0	85
		C		7.34Y	122.4	0.19	3.64	109.13	33	743	302	93					0	0	0	131
PL.12816	PL.12815	A	1/0ACSR	7.40Y	123.3	0.07	2.65	44.43	13	306	121	93	3.78	0.3	1.768	0.231	0	0	0	56
		B		7.47Y	124.5	0.35	1.54	65.90	20	460	178	93					0	0	0	85
		C		7.31Y	121.8	0.52	4.17	109.13	33	742	301	93					0	0	0	131

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: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.4346	PL.12816	A	1/0ACSR	7.40Y	123.3	0.00	2.65	0.00	0	0	0	100	0.00	0.0	1.899	0.131	0	0	0	0
		B		7.47Y	124.5	0.00	1.54	0.00	0	0	0	100					0	0	0	0
		C		7.31Y	121.8	0.00	4.17	0.00	0	0	0	100					0	0	0	0
PL.12817	PL.12816	A	1/0ACSR	7.40Y	123.3	0.06	2.71	44.43	13	306	121	93	3.16	0.2	1.962	0.193	0	0	0	56
		B		7.45Y	124.2	0.29	1.83	65.90	20	459	177	93					0	0	0	85
		C		7.28Y	121.4	0.44	4.61	109.13	33	740	298	93					0	0	0	131
075645	PL.12817	C	Consumer	7.28Y	121.4	0.00	4.61	0.13	0	1	0	100	0.00	0.0	1.962	0.000	1	0	1	1
PL.15225	PL.12817	A	1/0ACSR	7.40Y	123.3	0.00	2.71	44.43	13	306	121	93	0.08	0.0	1.967	0.005	0	0	0	56
		B		7.45Y	124.2	0.01	1.84	64.94	20	451	174	93					0	0	0	84
		C		7.28Y	121.4	0.01	4.62	103.80	31	702	281	93					0	0	0	123
PD.8-A	PL.15225	A	Closed	7.40Y	123.3	0.00	2.71	44.43	0	306	121	93	0.00	0.0	1.967	0.000	0	0	0	56
		B		7.45Y	124.2	0.00	1.84	64.94	0	451	174	93					0	0	0	84
		C		7.28Y	121.4	0.00	4.62	103.80	0	702	281	93					0	0	0	123
PD.8-B	PD.8-A	A	Closed	7.40Y	123.3	0.00	2.71	44.43	0	306	121	93	0.00	0.0	1.967	0.000	0	0	0	56
		B		7.45Y	124.2	0.00	1.84	64.94	0	451	174	93					0	0	0	84
		C		7.28Y	121.4	0.00	4.62	103.80	0	702	281	93					0	0	0	123
PL.15226	PD.8-B	A	1/0ACSR	7.39Y	123.2	0.07	2.78	44.43	13	306	121	93	2.99	0.2	2.165	0.198	0	0	0	56
		B		7.43Y	123.9	0.29	2.13	64.94	20	451	174	93					0	0	0	84
		C		7.26Y	121.0	0.42	5.04	103.80	31	702	281	93					0	0	0	123
PL.15227	PL.15226	C	4ACSR	7.26Y	121.0	0.00	5.04	0.53	0	4	1	97	0.00	0.0	2.170	0.005	0	0	0	2
PD.2207	PL.15227	C	fuse6AMP	7.26Y	121.0	0.00	5.04	0.53	9	4	1	97	0.00	0.0	2.170	0.000	0	0	0	2
PL.15228	PD.2207	C	4ACSR	7.26Y	121.0	0.00	5.04	0.53	0	4	1	97	0.00	0.0	2.226	0.056	0	0	0	2
075641	PL.15228	C	Consumer	7.26Y	121.0	0.00	5.04	0.12	0	1	0	100	0.00	0.0	2.226	0.000	1	0	1	1
075608	PL.15228	C	Consumer	7.26Y	121.0	0.00	5.04	0.42	0	3	1	95	0.00	0.0	2.226	0.000	3	1	1	1
PL.12818	PL.15226	A	1/0ACSR	7.39Y	123.2	0.04	2.81	39.84	12	274	108	93	2.27	0.2	2.318	0.153	0	0	0	52
		B		7.42Y	123.6	0.23	2.36	64.94	20	450	174	93					0	0	0	84
		C		7.24Y	120.6	0.32	5.36	103.26	31	696	277	93					0	0	0	121
076601	PL.12818	B	Consumer	7.42Y	123.6	0.00	2.36	0.54	0	4	1	97	0.00	0.0	2.318	0.000	4	1	1	1
PL.12819	PL.12818	A	1/0ACSR	7.39Y	123.2	0.00	2.82	39.84	12	274	108	93	0.27	0.0	2.336	0.018	0	0	0	52
		B		7.42Y	123.6	0.03	2.39	64.40	20	446	172	93					0	0	0	83
		C		7.24Y	120.6	0.04	5.40	103.26	31	695	275	93					0	0	0	121
PL.392	PL.12819	A	1/0ACSR	7.39Y	123.2	-0.01	2.81	19.85	6	135	56	92	0.37	0.0	2.362	0.026	0	0	0	24
		B		7.41Y	123.6	0.04	2.43	64.40	20	446	172	93					0	0	0	83
		C		7.23Y	120.5	0.05	5.45	103.26	31	695	275	93					0	0	0	121
PL.44256	PL.392	A	1/0ACSR	7.39Y	123.2	-0.01	2.81	19.85	6	135	56	92	0.31	0.0	2.384	0.022	0	0	0	24
		B		7.41Y	123.5	0.04	2.47	64.40	20	446	172	93					0	0	0	83
		C		7.23Y	120.5	0.05	5.50	103.26	31	695	275	93					0	0	0	121
PL.44257	PL.44256	A	1/0ACSR	7.39Y	123.2	0.01	2.81	8.27	3	57	21	94	0.33	0.0	2.453	0.069	0	0	0	11
		B		7.41Y	123.4	0.11	2.58	64.40	20	445	172	93					0	0	0	83
		C		7.23Y	120.5	0.01	5.51	28.84	9	195	74	93					0	0	0	34
PL.15089	PL.44257	C	4ACSR	7.23Y	120.5	0.00	5.51	2.81	1	19	7	94	0.00	0.0	2.459	0.006	0	0	0	6
PD.2249	PL.15089	C	fuse6AMP	7.23Y	120.5	0.00	5.51	2.81	48	19	7	94	0.00	0.0	2.459	0.000	0	0	0	6
PL.15090	PD.2249	C	4ACSR	7.23Y	120.5	0.01	5.52	2.81	1	19	7	94	0.00	0.0	2.570	0.112	0	0	0	6
076508	PL.15090	C	Consumer	7.23Y	120.5	0.00	5.52	0.30	0	2	1	89	0.00	0.0	2.570	0.000	2	1	1	1
PL.4946	PL.15090	C	4ACSR	7.23Y	120.5	0.00	5.53	2.51	1	17	6	94	0.00	0.0	2.612	0.041	0	0	0	5
PL.4505	PL.4946	C	4ACSR	7.23Y	120.5	0.00	5.53	0.90	0	6	2	95	0.00	0.0	2.626	0.014	0	0	0	1
PL.4337	PL.4505	C	4ACSR	7.23Y	120.5	0.00	5.53	0.90	0	6	2	95	0.00	0.0	2.685	0.059	0	0	0	1
076622	PL.4337	C	Consumer	7.23Y	120.5	0.00	5.53	0.90	0	6	2	95	0.00	0.0	2.685	0.000	6	2	1	1
PL.8283	PL.4946	C	4ACSR	7.23Y	120.5	0.01	5.53	1.61	1	11	4	94	0.00	0.0	2.684	0.072	0	0	0	4

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: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
076559	PL.8283	C	Consumer	7.23Y	120.5	0.00	5.53	0.52	0	4	1	97	0.00	0.0	2.684	0.000	4	1	1	1
PL.8284	PL.8283	C	4ACSR	7.23Y	120.5	0.00	5.53	1.09	1	7	3	92	0.00	0.0	2.685	0.001	0	0	0	3
PL.4724	PL.8284	C	4ACSR	7.23Y	120.5	0.00	5.54	1.09	1	7	3	92	0.00	0.0	2.755	0.070	0	0	0	3
076537	PL.4724	C	Consumer	7.23Y	120.5	0.00	5.54	0.27	0	2	1	89	0.00	0.0	2.755	0.000	2	1	1	1
076540	PL.4724	C	Consumer	7.23Y	120.5	0.00	5.54	0.46	0	3	1	95	0.00	0.0	2.755	0.000	3	1	1	1
PL.4725	PL.4724	C	4ACSR	7.23Y	120.5	0.00	5.54	0.36	0	2	1	89	0.00	0.0	2.809	0.054	0	0	0	1
076538	PL.4725	C	Consumer	7.23Y	120.5	0.00	5.54	0.36	0	2	1	89	0.00	0.0	2.809	0.000	2	1	1	1
PL.8285	PL.44257	A	1/0ACSR	7.39Y	123.2	0.02	2.83	8.27	3	57	21	94	0.56	0.1	2.573	0.120	0	0	0	11
		B		7.39Y	123.2	0.19	2.77	63.52	19	439	169	93					0	0	0	82
		C		7.23Y	120.5	0.01	5.52	26.03	8	176	67	93					0	0	0	28
PL.15093	PL.8285	A	4ACSR	7.39Y	123.2	0.00	2.83	2.17	1	15	6	93	0.00	0.0	2.577	0.004	0	0	0	2
PL.15094	PL.15093	A	4ACSR	7.39Y	123.2	0.01	2.84	2.17	1	15	6	93	0.00	0.0	2.641	0.065	0	0	0	2
PL.4947	PL.15094	A	4ACSR	7.39Y	123.2	0.00	2.84	1.14	1	8	3	94	0.00	0.0	2.687	0.045	0	0	0	1
076529	PL.4947	A	Consumer	7.39Y	123.2	0.00	2.84	1.14	0	8	3	94	0.00	0.0	2.687	0.000	8	3	1	1
076524	PL.15094	A	Consumer	7.39Y	123.2	0.00	2.84	1.03	0	7	3	92	0.00	0.0	2.641	0.000	7	3	1	1
PL.15091	PL.8285	C	4ACSR	7.23Y	120.5	0.00	5.52	2.11	1	14	5	94	0.00	0.0	2.579	0.005	0	0	0	2
PD.2250	PL.15091	C	fuse6AMP	7.23Y	120.5	0.00	5.52	2.11	36	14	5	94	0.00	0.0	2.579	0.000	0	0	0	2
PL.15092	PD.2250	C	4ACSR	7.23Y	120.5	0.00	5.52	2.11	1	14	5	94	0.00	0.0	2.617	0.038	0	0	0	2
076574	PL.15092	C	Consumer	7.23Y	120.5	0.00	5.52	0.96	0	6	2	95	0.00	0.0	2.617	0.000	6	2	1	1
076572	PL.15092	C	Consumer	7.23Y	120.5	0.00	5.52	1.15	0	8	3	94	0.00	0.0	2.617	0.000	8	3	1	1
076561	PL.8285	A	Consumer	7.39Y	123.2	0.00	2.83	0.29	0	2	1	89	0.00	0.0	2.573	0.000	2	1	1	1
076563	PL.8285	A	Consumer	7.39Y	123.2	0.00	2.83	1.67	0	12	4	95	0.00	0.0	2.573	0.000	12	4	1	1
PL.12823	PL.8285	A	1/0ACSR	7.39Y	123.2	0.00	2.83	4.14	1	29	11	93	0.26	0.0	2.630	0.056	0	0	0	7
		B		7.39Y	123.1	0.09	2.86	63.52	19	438	168	93					0	0	0	82
		C		7.23Y	120.5	0.00	5.52	23.92	7	162	62	93					0	0	0	26
076569	PL.12823	B	Consumer	7.39Y	123.1	0.00	2.86	0.23	0	2	1	89	0.00	0.0	2.630	0.000	2	1	1	1
076571	PL.12823	B	Consumer	7.39Y	123.1	0.00	2.86	0.00	0	0	0	100	0.00	0.0	2.630	0.000	0	0	0	0
PL.8288	PL.12823	A	1/0ACSR	7.39Y	123.2	0.00	2.84	4.14	1	29	11	93	0.19	0.0	2.672	0.042	0	0	0	7
		B		7.38Y	123.1	0.07	2.93	63.29	19	437	167	93					0	0	0	81
		C		7.23Y	120.5	0.00	5.52	23.92	7	162	62	93					0	0	0	26
PL.5015	PL.8288	C	4ACSR	7.23Y	120.5	0.01	5.53	3.65	2	25	9	94	0.00	0.0	2.721	0.049	0	0	0	4
076578	PL.5015	C	Consumer	7.23Y	120.5	0.00	5.53	0.13	0	1	0	100	0.00	0.0	2.721	0.000	1	0	1	1
076560	PL.5015	C	Consumer	7.23Y	120.5	0.00	5.53	0.00	0	0	0	100	0.00	0.0	2.721	0.000	0	0	0	0
PL.8280	PL.5015	C	4ACSR	7.23Y	120.5	0.00	5.53	3.52	2	24	9	94	0.00	0.0	2.739	0.018	0	0	0	3
076575	PL.8280	C	Consumer	7.23Y	120.5	0.00	5.53	1.20	0	8	3	94	0.00	0.0	2.739	0.000	8	3	1	1
PL.8281	PL.8280	C	4ACSR	7.23Y	120.5	0.00	5.53	2.32	1	16	6	94	0.00	0.0	2.759	0.020	0	0	0	2
076565	PL.8281	C	Consumer	7.23Y	120.5	0.00	5.53	1.21	0	8	3	94	0.00	0.0	2.759	0.000	8	3	1	1
076564	PL.8281	C	Consumer	7.23Y	120.5	0.00	5.53	1.11	0	8	3	94	0.00	0.0	2.759	0.000	8	3	1	1
076573	PL.8288	B	Consumer	7.38Y	123.1	0.00	2.93	1.15	0	8	3	94	0.00	0.0	2.672	0.000	8	3	1	1
076543	PL.8288	B	Consumer	7.38Y	123.1	0.00	2.93	0.59	0	4	2	89	0.00	0.0	2.672	0.000	4	2	1	1
076545	PL.8288	B	Consumer	7.38Y	123.1	0.00	2.93	1.83	0	13	5	93	0.00	0.0	2.672	0.000	13	5	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: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
076581	PL.8288	B	Consumer	7.38Y	123.1	0.00	2.93	1.24	0	9	3	95	0.00	0.0	2.672	0.000	9	3	1	1
PL.8286	PL.8288	A	1/0ACSR	7.39Y	123.2	0.00	2.84	4.14	1	29	11	93	0.14	0.0	2.709	0.037	0	0	0	7
		B		7.38Y	123.0	0.05	2.98	58.47	18	403	155	93					0	0	0	77
		C		7.23Y	120.5	-0.00	5.52	20.27	6	137	52	93					0	0	0	22
PL.8287	PL.8286	A	1/0ACSR	7.39Y	123.2	0.01	2.85	4.14	1	29	11	93	0.35	0.1	2.799	0.091	0	0	0	7
		B		7.37Y	122.9	0.13	3.11	58.47	18	403	155	93					0	0	0	77
		C		7.23Y	120.5	-0.00	5.52	20.27	6	137	52	93					0	0	0	22
PL.8258	PL.8287	A	1/0ACSR	7.39Y	123.2	0.00	2.85	2.36	1	16	6	94	0.13	0.0	2.833	0.034	0	0	0	5
		B		7.37Y	122.8	0.05	3.16	58.47	18	403	154	93					0	0	0	77
		C		7.23Y	120.5	-0.01	5.51	15.48	5	104	40	93					0	0	0	17
076516	PL.8258	B	Consumer	7.37Y	122.8	0.00	3.16	1.10	0	8	3	94	0.00	0.0	2.833	0.000	8	3	1	1
0765088	076516	B	Consumer	7.37Y	122.8	0.00	3.16	0.00	0	0	0	100	0.00	0.0	2.833	0.000	0	0	0	0
076583	PL.8258	C	Consumer	7.23Y	120.5	0.00	5.51	1.07	0	7	3	92	0.00	0.0	2.833	0.000	7	3	1	1
PL.33666	PL.8258	A	1/0ACSR	7.39Y	123.1	0.00	2.85	2.36	1	16	6	94	0.13	0.0	2.870	0.037	0	0	0	5
		B		7.37Y	122.8	0.05	3.22	57.38	17	395	151	93					0	0	0	76
		C		7.23Y	120.5	-0.01	5.51	14.42	4	97	37	93					0	0	0	16
PL.33667	PL.33666	A	1/0ACSR	7.39Y	123.1	0.00	2.85	2.36	1	16	6	94	0.10	0.0	2.899	0.029	0	0	0	5
		B		7.36Y	122.7	0.04	3.26	57.38	17	395	151	93					0	0	0	76
		C		7.23Y	120.5	-0.01	5.50	13.98	4	94	36	93					0	0	0	15
PL.15319	PL.33667	B	4ACSR	7.36Y	122.7	0.00	3.26	0.75	0	5	2	93	0.00	0.0	2.905	0.005	0	0	0	2
PD.2253	PL.15319	B	fuse6AMP	7.36Y	122.7	0.00	3.26	0.75	13	5	2	93	0.00	0.0	2.905	0.000	0	0	0	2
PL.15320	PD.2253	B	4ACSR	7.36Y	122.7	0.00	3.26	0.75	0	5	2	93	0.00	0.0	2.996	0.092	0	0	0	2
076555	PL.15320	B	Consumer	7.36Y	122.7	0.00	3.26	0.00	0	0	0	100	0.00	0.0	2.996	0.000	0	0	0	0
076504	PL.15320	B	Consumer	7.36Y	122.7	0.00	3.26	0.00	0	0	0	100	0.00	0.0	2.996	0.000	0	0	1	1
PL.5018	PL.15320	B	4ACSR	7.36Y	122.7	0.00	3.27	0.75	0	5	2	93	0.00	0.0	3.136	0.140	0	0	0	1
076577	PL.5018	B	Consumer	7.36Y	122.7	0.00	3.27	0.75	0	5	2	93	0.00	0.0	3.136	0.000	5	2	1	1
PL.20509	PL.33667	A	1/0ACSR	7.39Y	123.1	0.00	2.86	2.36	1	16	6	94	0.14	0.0	2.941	0.042	0	0	0	5
		B		7.36Y	122.7	0.06	3.32	56.63	17	389	149	93					0	0	0	74
		C		7.23Y	120.5	-0.01	5.49	13.98	4	94	36	93					0	0	0	15
PL.22305	PL.20509	A	1/0ACSR	7.39Y	123.1	0.00	2.86	2.35	1	16	6	94	0.02	0.0	2.947	0.006	0	0	0	5
		B		7.36Y	122.7	0.01	3.33	56.62	17	389	149	93					0	0	0	74
		C		7.23Y	120.5	-0.00	5.49	13.96	4	94	36	93					0	0	0	15
PD.1752	PL.22305	A	fuse15AMP	7.39Y	123.1	0.00	2.86	2.35	16	16	6	94	0.00	0.0	2.947	0.000	0	0	0	5
C		B		7.36Y	122.7	0.00	3.33	56.62	374	389	149	93					0	0	0	74 C
C		C		7.23Y	120.5	0.00	5.49	13.96	92	94	36	93					0	0	0	15 C
PL.17437	PD.1752	A	1/0ACSR	7.39Y	123.1	0.00	2.86	2.35	1	16	6	94	0.16	0.0	2.993	0.047	0	0	0	5
		B		7.36Y	122.6	0.07	3.40	56.62	17	389	149	93					0	0	0	74
		C		7.23Y	120.5	-0.01	5.48	13.96	4	94	36	93					0	0	0	15
PL.15323	PL.17437	C	4ACSR	7.23Y	120.5	0.00	5.49	3.25	2	22	9	93	0.00	0.0	2.999	0.006	0	0	0	3
PD.2254	PL.15323	C	fuse6AMP	7.23Y	120.5	0.00	5.49	3.25	56	22	9	93	0.00	0.0	2.999	0.000	0	0	0	3
PL.15324	PD.2254	C	4ACSR	7.23Y	120.5	0.01	5.50	3.25	2	22	9	93	0.00	0.0	3.069	0.070	0	0	0	3
076546	PL.15324	C	Consumer	7.23Y	120.5	0.00	5.50	1.15	0	7	4	87	0.00	0.0	3.069	0.000	7	4	1	1
076527	PL.15324	C	Consumer	7.23Y	120.5	0.00	5.50	0.67	0	5	2	93	0.00	0.0	3.069	0.000	5	2	1	1
PL.4989	PL.15324	C	4ACSR	7.23Y	120.5	0.00	5.50	1.44	1	10	4	93	0.00	0.0	3.132	0.063	0	0	0	1
076556	PL.4989	C	Consumer	7.23Y	120.5	0.00	5.50	1.44	0	10	4	93	0.00	0.0	3.132	0.000	10	4	1	1
PL.15327	PL.17437	A	1/0ACSR	7.39Y	123.1	0.01	2.88	2.14	1	15	6	93	0.47	0.1	3.131	0.138	0	0	0	3
		B		7.34Y	122.4	0.20	3.59	56.62	17	389	149	93					0	0	0	74
		C		7.23Y	120.6	-0.03	5.45	10.72	3	73	27	94					0	0	0	12

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: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.15-A	PL.15327	A	Closed	7.39Y	123.1	0.00	2.88	2.14	0	15	6	93	0.00	0.0	3.131	0.000	0	0	0	3
		B		7.34Y	122.4	0.00	3.59	56.62	0	389	148	93					0	0	0	74
		C		7.23Y	120.6	0.00	5.45	10.72	0	73	27	94					0	0	0	12
PD.15-B	PD.15-A	A	Closed	7.39Y	123.1	0.00	2.88	2.14	0	15	6	93	0.00	0.0	3.131	0.000	0	0	0	3
		B		7.34Y	122.4	0.00	3.59	56.62	0	389	148	93					0	0	0	74
		C		7.23Y	120.6	0.00	5.45	10.72	0	73	27	94					0	0	0	12
PL.15328	PD.15-B	A	1/0ACSR	7.39Y	123.1	0.00	2.88	2.14	1	15	6	93	0.02	0.0	3.137	0.005	0	0	0	3
		B		7.34Y	122.4	0.01	3.60	56.62	17	389	148	93					0	0	0	74
		C		7.23Y	120.6	-0.00	5.45	10.72	3	73	27	94					0	0	0	12
PL.12648	PL.15328	A	1/0ACSR	7.39Y	123.1	0.01	2.88	2.14	1	15	6	93	0.16	0.0	3.184	0.047	0	0	0	3
		B		7.34Y	122.3	0.07	3.67	56.62	17	389	148	93					0	0	0	74
		C		7.23Y	120.6	-0.01	5.44	10.72	3	73	27	94					0	0	0	12
PL.15325	PL.12648	B	4ACSR	7.34Y	122.3	0.00	3.67	0.00	0	0	0	100	0.00	0.0	3.189	0.005	0	0	0	0
PD.2255	PL.15325	B	fuse6AMP	7.34Y	122.3	0.00	3.67	0.00	0	0	0	100	0.00	0.0	3.189	0.000	0	0	0	0
PL.15326	PD.2255	B	4ACSR	7.34Y	122.3	0.00	3.67	0.00	0	0	0	100	0.00	0.0	3.257	0.067	0	0	0	0
PL.8257	PL.15326	B	4ACSR	7.34Y	122.3	0.00	3.67	0.00	0	0	0	100	0.00	0.0	3.296	0.039	0	0	0	0
076528	PL.12648	C	Consumer	7.23Y	120.6	0.00	5.44	1.20	0	8	3	94	0.00	0.0	3.184	0.000	8	3	1	1
PL.12649	PL.12648	A	1/0ACSR	7.39Y	123.1	0.01	2.89	2.14	1	15	6	93	0.32	0.1	3.278	0.094	0	0	0	3
		B		7.33Y	122.2	0.13	3.80	56.62	17	388	148	93					0	0	0	74
		C		7.24Y	120.6	-0.03	5.41	9.51	3	64	24	94					0	0	0	11
PL.8256	PL.12649	A	1/0ACSR	7.39Y	123.1	0.01	2.90	2.14	1	15	6	93	0.30	0.1	3.369	0.091	0	0	0	3
		B		7.32Y	122.1	0.13	3.93	55.84	17	383	145	93					0	0	0	72
		C		7.24Y	120.6	-0.03	5.38	9.51	3	64	24	94					0	0	0	11
PL.12650	PL.8256	A	1/0ACSR	7.39Y	123.1	0.00	2.91	2.14	1	15	6	93	0.13	0.0	3.409	0.040	0	0	0	3
		B		7.32Y	122.0	0.06	3.98	55.43	17	380	144	93					0	0	0	71
		C		7.24Y	120.6	-0.01	5.37	9.51	3	64	24	94					0	0	0	11
PL.12651	PL.12650	A	1/0ACSR	7.38Y	123.1	0.03	2.93	1.56	0	11	4	94	0.51	0.1	3.567	0.158	0	0	0	2
		B		7.31Y	121.8	0.22	4.20	55.11	17	377	143	94					0	0	0	70
		C		7.24Y	120.7	-0.07	5.31	2.86	1	19	7	94					0	0	0	2
0765086	PL.12651	A	Consumer	7.38Y	123.1	0.00	2.93	0.52	0	4	1	97	0.00	0.0	3.567	0.000	4	1	1	1
076562	PL.12651	A	Consumer	7.38Y	123.1	0.00	2.93	1.04	0	7	3	92	0.00	0.0	3.567	0.000	7	3	1	1
PL.12652	PL.12651	A	1/0ACSR	7.38Y	123.1	0.00	2.94	0.00	0	0	0	100	0.08	0.0	3.591	0.024	0	0	0	0
		B		7.31Y	121.8	0.03	4.23	55.11	17	377	142	94					0	0	0	70
		C		7.24Y	120.7	-0.01	5.29	2.86	1	19	7	94					0	0	0	2
PL.15333	PL.12652	B	4ACSR	7.31Y	121.8	0.00	4.24	8.36	4	57	21	94	0.00	0.0	3.597	0.005	0	0	0	9
C PD.2258	PL.15333	B	fuse6AMP	7.31Y	121.8	0.00	4.24	8.36	143	57	21	94	0.00	0.0	3.597	0.000	0	0	0	9 C
PL.15334	PD.2258	B	4ACSR	7.31Y	121.8	0.01	4.25	8.36	4	57	21	94	0.01	0.0	3.627	0.031	0	0	0	9
PL.8254	PL.15334	B	4ACSR	7.30Y	121.7	0.02	4.27	6.14	3	42	16	93	0.01	0.0	3.699	0.072	0	0	0	7
PL.37624	PL.8254	B	2ACSR	7.30Y	121.7	0.00	4.27	2.32	1	16	6	94	0.00	0.0	3.728	0.029	0	0	0	3
076523	PL.37624	B	Consumer	7.30Y	121.7	0.00	4.27	0.71	0	5	2	93	0.00	0.0	3.728	0.000	5	2	1	1
076513	PL.37624	B	Consumer	7.30Y	121.7	0.00	4.27	1.43	0	10	4	93	0.00	0.0	3.728	0.000	10	4	1	1
PL.37625	PL.37624	B	2ACSR	7.30Y	121.7	0.00	4.27	0.18	0	1	0	100	0.00	0.0	3.767	0.039	0	0	0	1
076554	PL.37625	B	Consumer	7.30Y	121.7	0.00	4.27	0.18	0	1	0	100	0.00	0.0	3.767	0.000	1	0	1	1
076532	PL.8254	B	Consumer	7.30Y	121.7	0.00	4.27	0.63	0	4	2	89	0.00	0.0	3.699	0.000	4	2	1	1
076514	PL.8254	B	Consumer	7.30Y	121.7	0.00	4.27	1.66	0	11	4	94	0.00	0.0	3.699	0.000	11	4	1	1
076547	PL.8254	B	Consumer	7.30Y	121.7	0.00	4.27	0.00	0	0	0	100	0.00	0.0	3.699	0.000	0	0	0	0
076548	PL.8254	B	Consumer	7.30Y	121.7	0.00	4.27	0.08	0	1	0	100	0.00	0.0	3.699	0.000	1	0	1	1

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

Unbalanced Voltage Drop Report
Source: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
076549	PL.8254	B	Consumer	7.30Y	121.7	0.00	4.27	1.46	0	10	4	93	0.00	0.0	3.699	0.000	10	4	1	1
076542	PL.15334	B	Consumer	7.31Y	121.8	0.00	4.25	1.32	0	9	3	95	0.00	0.0	3.627	0.000	9	3	1	1
076521	PL.15334	B	Consumer	7.31Y	121.8	0.00	4.25	0.91	0	6	2	95	0.00	0.0	3.627	0.000	6	2	1	1
PL.12653	PL.12652	A	1/0ACSR	7.38Y	123.1	0.01	2.95	0.00	0	0	0	100	0.28	0.1	3.709	0.118	0	0	0	0
		B		7.30Y	121.6	0.14	4.37	46.74	14	319	121	94					0	0	0	61
		C		7.24Y	120.7	-0.04	5.25	2.86	1	19	7	94					0	0	0	2
PL.12836	PL.12653	A	1/0ACSR	7.38Y	123.0	0.01	2.96	0.00	0	0	0	100	0.15	0.0	3.775	0.066	0	0	0	0
		B		7.29Y	121.6	0.08	4.45	46.74	14	319	120	94					0	0	0	61
		C		7.25Y	120.8	-0.02	5.23	2.86	1	19	7	94					0	0	0	2
PL.15335	PL.12836	B	4ACSR	7.29Y	121.5	0.00	4.45	6.59	3	45	17	94	0.00	0.0	3.780	0.005	0	0	0	10
C PD.1141	PL.15335	B	fuse6AMP	7.29Y	121.5	0.00	4.45	6.59	113	45	17	94	0.00	0.0	3.780	0.000	0	0	0	10 C
PL.15336	PD.1141	B	4ACSR	7.29Y	121.5	0.02	4.47	6.59	3	45	17	94	0.01	0.0	3.839	0.059	0	0	0	10
PL.8290	PL.15336	B	4ACSR	7.29Y	121.5	0.00	4.47	4.22	2	29	11	93	0.00	0.0	3.840	0.001	0	0	0	8
PL.8291	PL.8290	B	4ACSR	7.29Y	121.5	0.01	4.48	2.12	1	14	5	94	0.00	0.0	3.933	0.094	0	0	0	5
077545	PL.8291	B	Consumer	7.29Y	121.5	0.00	4.48	0.67	0	5	2	93	0.00	0.0	3.933	0.000	5	2	1	1
077507	PL.8291	B	Consumer	7.29Y	121.5	0.00	4.48	0.12	0	1	0	100	0.00	0.0	3.933	0.000	1	0	1	1
077513	PL.8291	B	Consumer	7.29Y	121.5	0.00	4.48	0.50	0	3	1	95	0.00	0.0	3.933	0.000	3	1	1	1
077515	PL.8291	B	Consumer	7.29Y	121.5	0.00	4.48	0.55	0	4	1	97	0.00	0.0	3.933	0.000	4	1	1	1
077538	PL.8291	B	Consumer	7.29Y	121.5	0.00	4.48	0.27	0	2	1	89	0.00	0.0	3.933	0.000	2	1	1	1
077542	PL.8290	B	Consumer	7.29Y	121.5	0.00	4.47	0.94	0	6	2	95	0.00	0.0	3.840	0.000	6	2	1	1
077511	PL.8290	B	Consumer	7.29Y	121.5	0.00	4.47	0.66	0	5	2	93	0.00	0.0	3.840	0.000	5	2	1	1
077503	PL.8290	B	Consumer	7.29Y	121.5	0.00	4.47	0.50	0	3	1	95	0.00	0.0	3.840	0.000	3	1	1	1
PL.5021	PL.15336	B	4ACSR	7.29Y	121.5	0.01	4.47	2.37	1	16	6	94	0.00	0.0	3.891	0.052	0	0	0	2
077518	PL.5021	B	Consumer	7.29Y	121.5	0.00	4.47	1.16	0	8	3	94	0.00	0.0	3.891	0.000	8	3	1	1
076522	PL.5021	B	Consumer	7.29Y	121.5	0.00	4.47	1.21	0	8	3	94	0.00	0.0	3.891	0.000	8	3	1	1
PL.12837	PL.12836	A	1/0ACSR	7.38Y	123.0	0.00	2.96	0.00	0	0	0	100	0.09	0.0	3.826	0.051	0	0	0	0
		B		7.29Y	121.5	0.05	4.50	40.15	12	274	103	94					0	0	0	51
		C		7.25Y	120.8	-0.02	5.21	2.86	1	19	7	94					0	0	0	2
PL.31917	PL.12837	A	1/0ACSR	7.38Y	123.0	0.01	2.97	0.00	0	0	0	100	0.22	0.1	3.959	0.133	0	0	0	0
		B		7.28Y	121.4	0.13	4.63	39.42	12	269	101	94					0	0	0	49
		C		7.25Y	120.8	-0.04	5.17	2.86	1	19	7	94					0	0	0	2
077504	PL.31917	B	Consumer	7.28Y	121.4	0.00	4.63	0.00	0	0	0	100	0.00	0.0	3.959	0.000	0	0	1	1
077516	PL.31917	B	Consumer	7.28Y	121.4	0.00	4.63	1.72	0	12	4	95	0.00	0.0	3.959	0.000	12	4	1	1
0775047	PL.31917	C	Consumer	7.25Y	120.8	0.00	5.17	1.91	0	13	5	93	0.00	0.0	3.959	0.000	13	5	1	1
077544	PL.31917	C	Consumer	7.25Y	120.8	0.00	5.17	0.96	0	7	2	96	0.00	0.0	3.959	0.000	7	2	1	1
PL.31918	PL.31917	A	1/0ACSR	7.38Y	123.0	0.00	2.97	0.00	0	0	0	100	0.03	0.0	3.976	0.017	0	0	0	0
		B		7.28Y	121.4	0.02	4.65	37.70	11	257	97	94					0	0	0	47
		C		7.25Y	120.8	-0.01	5.17	0.00	0	0	0	100					0	0	0	0
PL.15339	PL.31918	B	4ACSR	7.28Y	121.3	0.00	4.65	17.95	9	122	46	94	0.00	0.0	3.982	0.006	0	0	0	18
PL.15343	PL.15339	B	4ACSR	7.28Y	121.3	0.08	4.74	17.95	9	122	46	94	0.08	0.1	4.085	0.103	0	0	0	18
PD.3442	PL.15343	B	25V4E	7.28Y	121.3	0.00	4.74	17.95	72	122	46	94	0.00	0.0	4.085	0.000	0	0	0	18
PL.15344	PD.3442	B	4ACSR	7.28Y	121.3	0.00	4.74	17.95	9	122	46	94	0.00	0.0	4.090	0.006	0	0	0	18
PL.35552	PL.15344	B	4ACSR	7.28Y	121.3	0.00	4.75	4.60	2	31	12	93	0.00	0.0	4.109	0.018	0	0	0	4

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: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.5217	PL.35552	B	fuse6AMP	7.28Y	121.3	0.00	4.75	4.60	79	31	12	93	0.00	0.0	4.109	0.000	0	0	0	4
PL.35553	PD.5217	B	4ACSR	7.27Y	121.2	0.01	4.76	4.60	2	31	12	93	0.00	0.0	4.149	0.041	0	0	0	4
077524	PL.35553	B	Consumer	7.27Y	121.2	0.00	4.76	0.82	0	6	2	95	0.00	0.0	4.149	0.000	6	2	1	1
0775049	PL.35553	B	Consumer	7.27Y	121.2	0.00	4.76	0.00	0	0	0	100	0.00	0.0	4.149	0.000	0	0	0	0
077530	PL.35553	B	Consumer	7.27Y	121.2	0.00	4.76	0.95	0	7	2	96	0.00	0.0	4.149	0.000	7	2	1	1
0775050	PL.35553	B	Consumer	7.27Y	121.2	0.00	4.76	0.00	0	0	0	100	0.00	0.0	4.149	0.000	0	0	0	0
077534	PL.35553	B	Consumer	7.27Y	121.2	0.00	4.76	1.39	0	9	4	91	0.00	0.0	4.149	0.000	9	4	1	1
PL.4999	PL.35553	B	4ACSR	7.27Y	121.2	0.00	4.76	1.44	1	10	4	93	0.00	0.0	4.219	0.070	0	0	0	1
077527	PL.4999	B	Consumer	7.27Y	121.2	0.00	4.76	0.00	0	0	0	100	0.00	0.0	4.219	0.000	0	0	0	0
077543	PL.4999	B	Consumer	7.27Y	121.2	0.00	4.76	1.44	0	10	4	93	0.00	0.0	4.219	0.000	10	4	1	1
PL.8298	PL.15344	B	4ACSR	7.27Y	121.2	0.02	4.77	9.06	5	62	23	94	0.01	0.0	4.150	0.060	0	0	0	8
077540	PL.8298	B	Consumer	7.27Y	121.2	0.00	4.77	1.13	0	8	3	94	0.00	0.0	4.150	0.000	8	3	1	1
PL.12840	PL.8298	B	4ACSR	7.27Y	121.2	0.01	4.78	7.93	4	54	20	94	0.01	0.0	4.184	0.034	0	0	0	7
PL.15345	PL.12840	B	4ACSR	7.27Y	121.2	0.00	4.78	6.55	3	45	17	94	0.00	0.0	4.189	0.006	0	0	0	6
PL.15346	PL.15345	B	4ACSR	7.27Y	121.2	0.01	4.79	6.55	3	45	17	94	0.00	0.0	4.218	0.029	0	0	0	6
PL.12854	PL.15346	B	4ACSR	7.27Y	121.2	0.01	4.80	5.11	3	35	13	94	0.00	0.0	4.272	0.054	0	0	0	5
PL.12855	PL.12854	B	4ACSR	7.27Y	121.2	0.01	4.81	2.02	1	14	5	94	0.00	0.0	4.367	0.094	0	0	0	2
PL.12856	PL.12855	B	4ACSR	7.27Y	121.2	0.02	4.83	1.23	1	8	3	94	0.00	0.0	4.651	0.284	0	0	0	1
077521	PL.12856	B	Consumer	7.27Y	121.2	0.00	4.83	1.23	0	8	3	94	0.00	0.0	4.651	0.000	8	3	1	1
PL.35558	PL.12855	B	4ACSR	7.27Y	121.2	0.00	4.81	0.79	0	5	2	93	0.00	0.0	4.372	0.005	0	0	0	1
PD.5219	PL.35558	B	fuse6AMP	7.27Y	121.2	0.00	4.81	0.79	14	5	2	93	0.00	0.0	4.372	0.000	0	0	0	1
PL.35559	PD.5219	B	4ACSR	7.27Y	121.2	0.00	4.81	0.79	0	5	2	93	0.00	0.0	4.423	0.050	0	0	0	1
077533	PL.35559	B	Consumer	7.27Y	121.2	0.00	4.81	0.79	0	5	2	93	0.00	0.0	4.423	0.000	5	2	1	1
PL.35556	PL.12854	B	4ACSR	7.27Y	121.2	0.00	4.80	3.08	2	21	8	93	0.00	0.0	4.277	0.004	0	0	0	3
PD.5218	PL.35556	B	fuse6AMP	7.27Y	121.2	0.00	4.80	3.08	53	21	8	93	0.00	0.0	4.277	0.000	0	0	0	3
PL.35557	PD.5218	B	4ACSR	7.27Y	121.2	0.01	4.81	3.08	2	21	8	93	0.00	0.0	4.314	0.037	0	0	0	3
PL.12858	PL.35557	B	4ACSR	7.27Y	121.2	0.00	4.81	1.29	1	9	3	95	0.00	0.0	4.342	0.028	0	0	0	1
077505	PL.12858	B	Consumer	7.27Y	121.2	0.00	4.81	1.29	0	9	3	95	0.00	0.0	4.342	0.000	9	3	1	1
PL.45664	PL.35557	B	4ACSR	7.27Y	121.2	0.00	4.81	0.00	0	0	0	100	0.00	0.0	4.359	0.046	0	0	0	0
0775048	PL.45664	B	Consumer	7.27Y	121.2	0.00	4.81	0.00	0	0	0	100	0.00	0.0	4.359	0.000	0	0	0	0
PL.5022	PL.35557	B	4ACSR	7.27Y	121.2	0.00	4.81	1.79	1	12	5	92	0.00	0.0	4.346	0.032	0	0	0	2
PL.5024	PL.5022	B	4ACSR	7.27Y	121.2	0.00	4.81	1.50	1	10	4	93	0.00	0.0	4.384	0.038	0	0	0	1
077541	PL.5024	B	Consumer	7.27Y	121.2	0.00	4.81	1.50	0	10	4	93	0.00	0.0	4.384	0.000	10	4	1	1
077537	PL.5022	B	Consumer	7.27Y	121.2	0.00	4.81	0.30	0	2	1	89	0.00	0.0	4.346	0.000	2	1	1	1
077529	PL.15346	B	Consumer	7.27Y	121.2	0.00	4.79	1.44	0	10	4	93	0.00	0.0	4.218	0.000	10	4	1	1
PL.35554	PL.12840	B	4ACSR	7.27Y	121.2	0.00	4.78	1.38	1	9	4	91	0.00	0.0	4.188	0.004	0	0	0	1
PD.1143	PL.35554	B	fuse6AMP	7.27Y	121.2	0.00	4.78	1.38	24	9	4	91	0.00	0.0	4.188	0.000	0	0	0	1
PL.35555	PD.1143	B	4ACSR	7.27Y	121.2	0.01	4.79	1.38	1	9	4	91	0.00	0.0	4.272	0.084	0	0	0	1

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

Unbalanced Voltage Drop Report
Source: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
077539	PL.35555	B	Consumer	7.27Y	121.2	0.00	4.79	1.38	0	9	4	91	0.00	0.0	4.272	0.000	9	4	1	1
077502	PL.15344	B	Consumer	7.28Y	121.3	0.00	4.74	0.12	0	1	0	100	0.00	0.0	4.090	0.000	1	0	1	1
077522	PL.15344	B	Consumer	7.28Y	121.3	0.00	4.74	1.51	0	10	4	93	0.00	0.0	4.090	0.000	10	4	1	1
077526	PL.15344	B	Consumer	7.28Y	121.3	0.00	4.74	0.40	0	3	1	95	0.00	0.0	4.090	0.000	3	1	1	1
077510	PL.15344	B	Consumer	7.28Y	121.3	0.00	4.74	0.15	0	1	0	100	0.00	0.0	4.090	0.000	1	0	1	1
PL.35550	PL.15344	B	4ACSR	7.28Y	121.3	0.00	4.74	2.11	1	14	5	94	0.00	0.0	4.101	0.011	0	0	0	2
PD.5216	PL.35550	B	fuse6AMP	7.28Y	121.3	0.00	4.74	2.11	36	14	5	94	0.00	0.0	4.101	0.000	0	0	0	2
PL.35551	PD.5216	B	4ACSR	7.27Y	121.2	0.01	4.76	2.11	1	14	5	94	0.00	0.0	4.221	0.120	0	0	0	2
PL.5001	PL.35551	B	4ACSR	7.27Y	121.2	0.01	4.76	1.74	1	12	4	95	0.00	0.0	4.292	0.071	0	0	0	1
077546	PL.5001	B	Consumer	7.27Y	121.2	0.00	4.76	0.00	0	0	0	100	0.00	0.0	4.292	0.000	0	0	0	0
077536	PL.5001	B	Consumer	7.27Y	121.2	0.00	4.76	1.74	0	12	4	95	0.00	0.0	4.292	0.000	12	4	1	1
077506	PL.35551	B	Consumer	7.27Y	121.2	0.00	4.76	0.38	0	3	1	95	0.00	0.0	4.221	0.000	3	1	1	1
PL.15340	PL.31918	B	4ACSR	7.28Y	121.3	0.00	4.65	19.75	10	135	51	94	0.01	0.0	3.982	0.005	0	0	0	29
PD.17-A	PL.15340	B	Closed	7.28Y	121.3	0.00	4.65	19.75	0	135	51	94	0.00	0.0	3.982	0.000	0	0	0	29
PD.17-B	PD.17-A	B	Closed	7.28Y	121.3	0.00	4.65	19.75	0	135	51	94	0.00	0.0	3.982	0.000	0	0	0	29
PL.15341	PD.17-B	B	4ACSR	7.28Y	121.3	0.00	4.66	19.75	10	135	51	94	0.01	0.0	3.987	0.005	0	0	0	29
PD.3441	PL.15341	B	50V4E	7.28Y	121.3	0.00	4.66	19.75	40	135	51	94	0.00	0.0	3.987	0.000	0	0	0	29
PL.15342	PD.3441	B	4ACSR	7.27Y	121.2	0.10	4.76	19.75	10	135	51	94	0.11	0.1	4.102	0.114	0	0	0	29
PL.12839	PL.15342	B	4ACSR	7.27Y	121.2	0.01	4.77	19.75	10	134	51	93	0.01	0.0	4.112	0.011	0	0	0	29
077532	PL.12839	B	Consumer	7.27Y	121.2	0.00	4.77	0.55	0	4	1	97	0.00	0.0	4.112	0.000	4	1	1	1
PL.34932	PL.12839	B	4ACSR	7.27Y	121.2	0.00	4.77	1.87	1	13	5	93	0.00	0.0	4.118	0.005	0	0	0	3
PD.5015	PL.34932	B	fuse6AMP	7.27Y	121.2	0.00	4.77	1.87	32	13	5	93	0.00	0.0	4.118	0.000	0	0	0	3
PL.34935	PD.5015	B	4ACSR	7.27Y	121.2	0.00	4.77	1.87	1	13	5	93	0.00	0.0	4.121	0.003	0	0	0	3
PL.34934	PL.34935	B	4ACSR	7.27Y	121.2	0.00	4.77	0.94	0	6	2	95	0.00	0.0	4.134	0.014	0	0	0	2
077523	PL.34934	B	Consumer	7.27Y	121.2	0.00	4.77	0.00	0	0	0	100	0.00	0.0	4.134	0.000	0	0	1	1
077519	PL.34934	B	Consumer	7.27Y	121.2	0.00	4.77	0.93	0	6	2	95	0.00	0.0	4.134	0.000	6	2	1	1
PL.34936	PL.34935	B	4ACSR	7.27Y	121.2	0.00	4.77	0.93	0	6	2	95	0.00	0.0	4.148	0.027	0	0	0	1
077520	PL.34936	B	Consumer	7.27Y	121.2	0.00	4.77	0.93	0	6	2	95	0.00	0.0	4.148	0.000	6	2	1	1
PL.12841	PL.12839	B	4ACSR	7.27Y	121.2	0.06	4.84	17.33	9	118	44	94	0.06	0.0	4.192	0.080	0	0	0	25
PL.12842	PL.12841	B	4ACSR	7.27Y	121.2	0.01	4.85	16.45	8	112	42	94	0.01	0.0	4.207	0.015	0	0	0	23
077428	PL.12842	B	Consumer	7.27Y	121.2	0.00	4.85	0.47	0	3	1	95	0.00	0.0	4.207	0.000	3	1	1	1
077406	PL.12842	B	Consumer	7.27Y	121.2	0.00	4.85	0.27	0	2	1	89	0.00	0.0	4.207	0.000	2	1	1	1
PL.12843	PL.12842	B	4ACSR	7.26Y	121.1	0.09	4.94	15.71	8	107	40	94	0.07	0.1	4.331	0.124	0	0	0	21
PL.34939	PL.12843	B	4ACSR	7.26Y	121.1	0.00	4.94	1.23	1	8	3	94	0.00	0.0	4.337	0.005	0	0	0	3
PD.5017	PL.34939	B	fuse6AMP	7.26Y	121.1	0.00	4.94	1.23	21	8	3	94	0.00	0.0	4.337	0.000	0	0	0	3
PL.34940	PD.5017	B	4ACSR	7.26Y	121.1	0.00	4.94	1.23	1	8	3	94	0.00	0.0	4.373	0.037	0	0	0	3
PL.4997	PL.34940	B	4ACSR	7.26Y	121.1	0.00	4.94	0.15	0	1	0	100	0.00	0.0	4.433	0.060	0	0	0	1
077423	PL.4997	B	Consumer	7.26Y	121.1	0.00	4.94	0.15	0	1	0	100	0.00	0.0	4.433	0.000	1	0	1	1

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

Unbalanced Voltage Drop Report
Source: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
077407	PL.34940	B	Consumer	7.26Y	121.1	0.00	4.94	1.07	0	7	3	92	0.00	0.0	4.373	0.000	7	3	1	1
077411	PL.34940	B	Consumer	7.26Y	121.1	0.00	4.94	0.00	0	0	0	100	0.00	0.0	4.373	0.000	0	0	1	1
PL.12844	PL.12843	B	4ACSR	7.26Y	121.0	0.11	5.05	14.48	7	98	37	94	0.08	0.1	4.499	0.167	0	0	0	17
PL.34945	PL.12844	B	4ACSR	7.26Y	121.0	0.00	5.05	1.58	1	11	4	94	0.00	0.0	4.509	0.011	0	0	0	3
PD.5020	PL.34945	B	fuse6AMP	7.26Y	121.0	0.00	5.05	1.58	27	11	4	94	0.00	0.0	4.509	0.000	0	0	0	3
PL.34946	PD.5020	B	4ACSR	7.26Y	120.9	0.01	5.06	1.58	1	11	4	94	0.00	0.0	4.622	0.112	0	0	0	3
PL.5002	PL.34946	B	4ACSR	7.26Y	120.9	0.01	5.07	1.58	1	11	4	94	0.00	0.0	4.823	0.202	0	0	0	3
PL.8296	PL.5002	B	4ACSR	7.26Y	120.9	0.01	5.08	1.58	1	11	4	94	0.00	0.0	4.918	0.095	0	0	0	3
077402	PL.8296	B	Consumer	7.26Y	120.9	0.00	5.08	1.04	0	7	3	92	0.00	0.0	4.918	0.000	7	3	1	1
077437	PL.8296	B	Consumer	7.26Y	120.9	0.00	5.08	0.00	0	0	0	100	0.00	0.0	4.918	0.000	0	0	1	1
PL.8297	PL.8296	B	4ACSR	7.26Y	120.9	0.00	5.08	0.53	0	4	1	97	0.00	0.0	5.034	0.116	0	0	0	1
077401	PL.8297	B	Consumer	7.26Y	120.9	0.00	5.08	0.53	0	4	1	97	0.00	0.0	5.034	0.000	4	1	1	1
PL.4994	PL.34946	B	4ACSR	7.26Y	120.9	0.00	5.06	0.00	0	0	0	100	0.00	0.0	4.741	0.119	0	0	0	0
PL.12845	PL.12844	B	4ACSR	7.25Y	120.9	0.05	5.09	12.91	7	88	33	94	0.03	0.0	4.577	0.078	0	0	0	14
PL.15347	PL.12845	B	4ACSR	7.25Y	120.9	0.00	5.09	1.77	1	12	5	92	0.00	0.0	4.582	0.005	0	0	0	1
PD.1144	PL.15347	B	fuse6AMP	7.25Y	120.9	0.00	5.09	1.77	30	12	5	92	0.00	0.0	4.582	0.000	0	0	0	1
PL.15295	PD.1144	B	4ACSR	7.25Y	120.9	0.02	5.11	1.77	1	12	5	92	0.00	0.0	4.787	0.204	0	0	0	1
077418	PL.15295	B	Consumer	7.25Y	120.9	0.00	5.11	0.00	0	0	0	100	0.00	0.0	4.787	0.000	0	0	0	0
077426	PL.15295	B	Consumer	7.25Y	120.9	0.00	5.11	1.77	0	12	5	92	0.00	0.0	4.787	0.000	12	5	1	1
PL.34949	PL.12845	B	4ACSR	7.25Y	120.9	0.00	5.10	9.28	5	63	24	93	0.00	0.0	4.587	0.010	0	0	0	11
PD.5022-A	PL.34949	B	Closed	7.25Y	120.9	0.00	5.10	9.28	0	63	24	93	0.00	0.0	4.587	0.000	0	0	0	11
PD.5022-B	PD.5022-A	B	Closed	7.25Y	120.9	0.00	5.10	9.28	0	63	24	93	0.00	0.0	4.587	0.000	0	0	0	11
PL.34950	PD.5022-B	B	4ACSR	7.25Y	120.8	0.07	5.17	9.28	5	63	24	93	0.03	0.1	4.748	0.161	0	0	0	11
PL.5025	PL.34950	B	4ACSR	7.25Y	120.8	0.01	5.17	1.10	1	7	3	92	0.00	0.0	4.870	0.122	0	0	0	1
077433	PL.5025	B	Consumer	7.25Y	120.8	0.00	5.17	1.10	0	7	3	92	0.00	0.0	4.870	0.000	7	3	1	1
PL.12847	PL.34950	B	4ACSR	7.25Y	120.8	0.01	5.17	8.18	4	55	21	93	0.00	0.0	4.770	0.022	0	0	0	10
PL.12848	PL.12847	B	4ACSR	7.25Y	120.8	0.02	5.20	6.92	4	47	18	93	0.01	0.0	4.836	0.066	0	0	0	8
077425	PL.12848	B	Consumer	7.25Y	120.8	0.00	5.20	0.00	0	0	0	100	0.00	0.0	4.836	0.000	0	0	0	0
077427	PL.12848	B	Consumer	7.25Y	120.8	0.00	5.20	0.00	0	0	0	100	0.00	0.0	4.836	0.000	0	0	0	0
077429	PL.12848	B	Consumer	7.25Y	120.8	0.00	5.20	0.00	0	0	0	100	0.00	0.0	4.836	0.000	0	0	0	0
PL.12849	PL.12848	B	4ACSR	7.25Y	120.8	0.01	5.21	6.92	4	47	18	93	0.01	0.0	4.883	0.046	0	0	0	8
PL.12850	PL.12849	B	4ACSR	7.25Y	120.8	0.01	5.22	6.92	4	47	18	93	0.00	0.0	4.907	0.024	0	0	0	8
PL.12851	PL.12850	B	4ACSR	7.25Y	120.8	0.01	5.23	5.85	3	40	15	94	0.00	0.0	4.937	0.030	0	0	0	6
077435	PL.12851	B	Consumer	7.25Y	120.8	0.00	5.23	0.52	0	4	1	97	0.00	0.0	4.937	0.000	4	1	1	1
077430	PL.12851	B	Consumer	7.25Y	120.8	0.00	5.23	0.06	0	0	0	100	0.00	0.0	4.937	0.000	0	0	1	1
PL.12852	PL.12851	B	4ACSR	7.25Y	120.8	0.01	5.23	5.28	3	36	13	94	0.00	0.0	4.963	0.026	0	0	0	4
PL.12853	PL.12852	B	4ACSR	7.24Y	120.7	0.03	5.26	3.48	2	24	9	94	0.00	0.0	5.126	0.163	0	0	0	3
078405	PL.12853	B	Consumer	7.24Y	120.7	0.00	5.26	1.29	0	9	3	95	0.00	0.0	5.126	0.000	9	3	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: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
078403	PL.12853	B	Consumer	7.24Y	120.7	0.00	5.26	0.00	0	0	0	100	0.00	0.0	5.126	0.000	0	0	0	0
PL.8292	PL.12853	B	4ACSR	7.24Y	120.7	0.00	5.26	2.19	1	15	6	93	0.00	0.0	5.171	0.045	0	0	0	2
PL.8293	PL.8292	B	4ACSR	7.24Y	120.7	0.00	5.27	1.14	1	8	3	94	0.00	0.0	5.241	0.070	0	0	0	1
078404	PL.8293	B	Consumer	7.24Y	120.7	0.00	5.27	1.14	0	8	3	94	0.00	0.0	5.241	0.000	8	3	1	1
078402	PL.8293	B	Consumer	7.24Y	120.7	0.00	5.27	0.00	0	0	0	100	0.00	0.0	5.241	0.000	0	0	0	0
078406	PL.8292	B	Consumer	7.24Y	120.7	0.00	5.26	1.05	0	7	3	92	0.00	0.0	5.171	0.000	7	3	1	1
077419	PL.12852	B	Consumer	7.25Y	120.8	0.00	5.23	0.00	0	0	0	100	0.00	0.0	4.963	0.000	0	0	0	0
077421	PL.12852	B	Consumer	7.25Y	120.8	0.00	5.23	1.79	0	12	5	92	0.00	0.0	4.963	0.000	12	5	1	1
077424	PL.12850	B	Consumer	7.25Y	120.8	0.00	5.22	0.01	0	0	0	100	0.00	0.0	4.907	0.000	0	0	1	1
077414	PL.12850	B	Consumer	7.25Y	120.8	0.00	5.22	1.06	0	7	3	92	0.00	0.0	4.907	0.000	7	3	1	1
077431	PL.12847	B	Consumer	7.25Y	120.8	0.00	5.17	0.65	0	4	2	89	0.00	0.0	4.770	0.000	4	2	1	1
077432	PL.12847	B	Consumer	7.25Y	120.8	0.00	5.17	0.61	0	4	2	89	0.00	0.0	4.770	0.000	4	2	1	1
077436	PL.12847	B	Consumer	7.25Y	120.8	0.00	5.17	0.00	0	0	0	100	0.00	0.0	4.770	0.000	0	0	0	0
PL.34947	PL.12845	B	4ACSR	7.25Y	120.9	0.00	5.09	1.86	1	13	5	93	0.00	0.0	4.592	0.015	0	0	0	2
PD.5021	PL.34947	B	fuse6AMP	7.25Y	120.9	0.00	5.09	1.86	32	13	5	93	0.00	0.0	4.592	0.000	0	0	0	2
PL.34948	PD.5021	B	4ACSR	7.25Y	120.9	0.00	5.10	1.86	1	13	5	93	0.00	0.0	4.628	0.037	0	0	0	2
077417	PL.34948	B	Consumer	7.25Y	120.9	0.00	5.10	0.62	0	4	2	89	0.00	0.0	4.628	0.000	4	2	1	1
PL.4998	PL.34948	B	4ACSR	7.25Y	120.9	0.00	5.10	1.25	1	8	3	94	0.00	0.0	4.693	0.065	0	0	0	1
077415	PL.4998	B	Consumer	7.25Y	120.9	0.00	5.10	1.25	0	8	3	94	0.00	0.0	4.693	0.000	8	3	1	1
PL.34941	PL.12843	B	4ACSR	7.26Y	121.1	0.00	4.94	0.00	0	0	0	100	0.00	0.0	4.340	0.009	0	0	0	1
PL.34942	PL.34941	B	4ACSR	7.26Y	121.1	0.00	4.94	0.00	0	0	0	100	0.00	0.0	4.394	0.054	0	0	0	1
077422	PL.34942	B	Consumer	7.26Y	121.1	0.00	4.94	0.00	0	0	0	100	0.00	0.0	4.394	0.000	0	0	1	1
PL.34937	PL.12841	B	4ACSR	7.27Y	121.2	0.00	4.84	0.88	0	6	2	95	0.00	0.0	4.197	0.005	0	0	0	2
PD.5016	PL.34937	B	fuse6AMP	7.27Y	121.2	0.00	4.84	0.88	15	6	2	95	0.00	0.0	4.197	0.000	0	0	0	2
PL.34938	PD.5016	B	4ACSR	7.27Y	121.2	0.00	4.84	0.88	0	6	2	95	0.00	0.0	4.229	0.032	0	0	0	2
077410	PL.34938	B	Consumer	7.27Y	121.2	0.00	4.84	0.15	0	1	0	100	0.00	0.0	4.229	0.000	1	0	1	1
077508	PL.34938	B	Consumer	7.27Y	121.2	0.00	4.84	0.73	0	5	2	93	0.00	0.0	4.229	0.000	5	2	1	1
PL.15337	PL.12837	B	4ACSR	7.29Y	121.5	0.00	4.50	0.73	0	5	2	93	0.00	0.0	3.832	0.005	0	0	0	2
PD.1142	PL.15337	B	fuse6AMP	7.29Y	121.5	0.00	4.50	0.73	12	5	2	93	0.00	0.0	3.832	0.000	0	0	0	2
PL.15338	PD.1142	B	4ACSR	7.29Y	121.5	0.00	4.50	0.73	0	5	2	93	0.00	0.0	3.857	0.026	0	0	0	2
PL.8299	PL.15338	B	4ACSR	7.29Y	121.5	0.00	4.51	0.72	0	5	2	93	0.00	0.0	3.978	0.121	0	0	0	1
077512	PL.8299	B	Consumer	7.29Y	121.5	0.00	4.51	0.72	0	5	2	93	0.00	0.0	3.978	0.000	5	2	1	1
077535	PL.15338	B	Consumer	7.29Y	121.5	0.00	4.50	0.00	0	0	0	100	0.00	0.0	3.857	0.000	0	0	1	1
076501	PL.12650	B	Consumer	7.32Y	122.0	0.00	3.98	0.32	0	2	1	89	0.00	0.0	3.409	0.000	2	1	1	1
PL.15331	PL.12650	A	4ACSR	7.39Y	123.1	0.00	2.91	0.58	0	4	2	89	0.00	0.0	3.415	0.005	0	0	0	1
PD.2256	PL.15331	A	fuse6AMP	7.39Y	123.1	0.00	2.91	0.58	10	4	2	89	0.00	0.0	3.415	0.000	0	0	0	1
PL.15332	PD.2256	A	4ACSR	7.39Y	123.1	0.00	2.91	0.58	0	4	2	89	0.00	0.0	3.476	0.062	0	0	0	1
PL.4721	PL.15332	A	4ACSR	7.39Y	123.1	0.01	2.92	0.58	0	4	2	89	0.00	0.0	3.691	0.215	0	0	0	1

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

Unbalanced Voltage Drop Report
Source: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
076531	PL.4721	A	Consumer	7.39Y	123.1	0.00	2.92	0.58	0	4	2	89	0.00	0.0	3.691	0.000	4	2	1	1
PL.12859	PL.4721	A	4ACSR	7.39Y	123.1	0.00	2.92	0.00	0	0	0	100	0.00	0.0	3.784	0.092	0	0	0	0
PL.12860	PL.12859	A	4ACSR	7.39Y	123.1	0.00	2.92	0.00	0	0	0	100	0.00	0.0	3.841	0.057	0	0	0	0
PL.15329	PL.12650	C	4ACSR	7.24Y	120.6	0.00	5.38	6.65	3	45	17	94	0.00	0.0	3.415	0.005	0	0	0	9
C PD.2257	PL.15329	C	fuse6AMP	7.24Y	120.6	0.00	5.38	6.65	114	45	17	94	0.00	0.0	3.415	0.000	0	0	0	9 C
PL.15330	PD.2257	C	4ACSR	7.24Y	120.6	0.02	5.39	6.65	3	45	17	94	0.01	0.0	3.474	0.059	0	0	0	9
076526	PL.15330	C	Consumer	7.24Y	120.6	0.00	5.39	0.61	0	4	2	89	0.00	0.0	3.474	0.000	4	2	1	1
PL.8255	PL.15330	C	4ACSR	7.24Y	120.6	0.00	5.39	6.04	3	41	15	94	0.00	0.0	3.475	0.001	0	0	0	8
PL.19220	PL.8255	C	4ACSR	7.24Y	120.6	0.01	5.40	6.04	3	41	15	94	0.00	0.0	3.514	0.040	0	0	0	8
PL.19221	PL.19220	C	4ACSR	7.24Y	120.6	0.01	5.41	3.63	2	25	9	94	0.00	0.0	3.566	0.052	0	0	0	6
076539	PL.19221	C	Consumer	7.24Y	120.6	0.00	5.41	0.67	0	5	2	93	0.00	0.0	3.566	0.000	5	2	1	1
076551	PL.19221	C	Consumer	7.24Y	120.6	0.00	5.41	0.02	0	0	0	100	0.00	0.0	3.566	0.000	0	0	1	1
076534	PL.19221	C	Consumer	7.24Y	120.6	0.00	5.41	1.21	0	8	3	94	0.00	0.0	3.566	0.000	8	3	1	1
076544	PL.19221	C	Consumer	7.24Y	120.6	0.00	5.41	0.84	0	6	2	95	0.00	0.0	3.566	0.000	6	2	1	1
PL.5017	PL.19221	C	4ACSR	7.24Y	120.6	0.00	5.42	0.88	0	6	2	95	0.00	0.0	3.631	0.064	0	0	0	2
PL.5019	PL.5017	C	4ACSR	7.23Y	120.6	0.00	5.42	0.55	0	4	1	97	0.00	0.0	3.687	0.057	0	0	0	1
0765079	PL.5019	C	Consumer	7.23Y	120.6	0.00	5.42	0.55	0	4	1	97	0.00	0.0	3.687	0.000	4	1	1	1
076576	PL.5017	C	Consumer	7.24Y	120.6	0.00	5.42	0.33	0	2	1	89	0.00	0.0	3.631	0.000	2	1	1	1
076536	PL.19220	C	Consumer	7.24Y	120.6	0.00	5.40	1.13	0	8	3	94	0.00	0.0	3.514	0.000	8	3	1	1
076552	PL.19220	C	Consumer	7.24Y	120.6	0.00	5.40	1.28	0	9	3	95	0.00	0.0	3.514	0.000	9	3	1	1
076533	PL.8256	B	Consumer	7.32Y	122.1	0.00	3.93	0.41	0	3	1	95	0.00	0.0	3.369	0.000	3	1	1	1
076502	PL.12649	B	Consumer	7.33Y	122.2	0.00	3.80	0.43	0	3	1	95	0.00	0.0	3.278	0.000	3	1	1	1
076512	PL.12649	B	Consumer	7.33Y	122.2	0.00	3.80	0.34	0	2	1	89	0.00	0.0	3.278	0.000	2	1	1	1
PL.4722	PL.17437	A	1/0ACSR	7.39Y	123.1	0.00	2.86	0.21	0	1	1	71	0.00	0.0	3.014	0.021	0	0	0	2
		B		7.36Y	122.6	-0.00	3.40	0.00	0	0	0	100					0	0	0	0
		C		7.23Y	120.5	0.00	5.48	0.00	0	0	0	100					0	0	0	0
PL.15321	PL.4722	A	4ACSR	7.39Y	123.1	0.00	2.86	0.21	0	1	1	71	0.00	0.0	3.020	0.005	0	0	0	2
PD.1763	PL.15321	A	fuse6AMP	7.39Y	123.1	0.00	2.86	0.21	4	1	1	71	0.00	0.0	3.020	0.000	0	0	0	2
PL.15322	PD.1763	A	4ACSR	7.39Y	123.1	0.00	2.86	0.21	0	1	1	71	0.00	0.0	3.066	0.047	0	0	0	2
076530	PL.15322	A	Consumer	7.39Y	123.1	0.00	2.86	0.21	0	1	1	71	0.00	0.0	3.066	0.000	1	1	1	1
076541	PL.15322	A	Consumer	7.39Y	123.1	0.00	2.86	0.00	0	0	0	100	0.00	0.0	3.066	0.000	0	0	1	1
PL.24723	PL.20509	A	2ACSR	7.39Y	123.1	-0.00	2.86	0.01	0	0	0	100	0.00	0.0	2.959	0.019	0	0	0	0
		B		7.36Y	122.7	0.00	3.32	0.01	0	0	0	90					0	0	0	0
		C		7.23Y	120.5	0.00	5.49	0.01	0	0	0	90					0	0	0	0
PL.24724	PL.24723	A	2ACSR	7.39Y	123.1	-0.00	2.86	0.01	0	0	0	100	0.00	0.0	2.979	0.019	0	0	0	0
		B		7.36Y	122.7	0.00	3.32	0.01	0	0	0	90					0	0	0	0
		C		7.23Y	120.5	0.00	5.49	0.01	0	0	0	90					0	0	0	0
076553	PL.24724	A	Consumer	7.39Y	123.1	0.00	2.86	0.01	0	0	0	100	0.00	0.0	2.979	0.000	0	0	0	0
		B		7.36Y	122.7	0.00	3.32	0.01	0	0	0	90					0	0	0	0
		C		7.23Y	120.5	0.00	5.49	0.01	0	0	0	90					0	0	0	0
0765085	PL.33666	C	Consumer	7.23Y	120.5	0.00	5.51	0.44	0	3	1	95	0.00	0.0	2.870	0.000	3	1	1	1
076535	PL.8287	C	Consumer	7.23Y	120.5	0.00	5.52	0.04	0	0	0	100	0.00	0.0	2.799	0.000	0	0	1	1

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

Unbalanced Voltage Drop Report
Source: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
076557	PL.8287	C	Consumer	7.23Y	120.5	0.00	5.52	1.07	0	7	3	92	0.00	0.0	2.799	0.000	7	3	1	1
PL.15317	PL.8287	C	4ACSR	7.23Y	120.5	0.00	5.52	3.68	2	25	9	94	0.00	0.0	2.805	0.006	0	0	0	3
PD.2252	PL.15317	C	fuse6AMP	7.23Y	120.5	0.00	5.52	3.68	63	25	9	94	0.00	0.0	2.805	0.000	0	0	0	3
PL.15318	PD.2252	C	4ACSR	7.23Y	120.5	0.00	5.52	3.68	2	25	9	94	0.00	0.0	2.832	0.028	0	0	0	3
PL.12824	PL.15318	C	4ACSR	7.23Y	120.5	0.00	5.53	3.68	2	25	9	94	0.00	0.0	2.851	0.019	0	0	0	3
076582	PL.12824	C	Consumer	7.23Y	120.5	0.00	5.53	1.36	0	9	3	95	0.00	0.0	2.851	0.000	9	3	1	1
PL.12825	PL.12824	C	4ACSR	7.23Y	120.5	0.00	5.53	1.46	1	10	4	93	0.00	0.0	2.910	0.059	0	0	0	1
076519	PL.12825	C	Consumer	7.23Y	120.5	0.00	5.53	1.46	0	10	4	93	0.00	0.0	2.910	0.000	10	4	1	1
PL.8289	PL.12824	C	4ACSR	7.23Y	120.5	0.00	5.53	0.86	0	6	2	95	0.00	0.0	2.877	0.026	0	0	0	1
0765087	PL.8289	C	Consumer	7.23Y	120.5	0.00	5.53	0.86	0	6	2	95	0.00	0.0	2.877	0.000	6	2	1	1
PL.15095	PL.8287	A	4ACSR	7.39Y	123.2	0.00	2.85	1.79	1	12	5	92	0.00	0.0	2.805	0.005	0	0	0	2
PD.2251	PL.15095	A	fuse6AMP	7.39Y	123.2	0.00	2.85	1.79	31	12	5	92	0.00	0.0	2.805	0.000	0	0	0	2
PL.15096	PD.2251	A	4ACSR	7.39Y	123.1	0.01	2.85	1.79	1	12	5	92	0.00	0.0	2.900	0.095	0	0	0	2
PL.4723	PL.15096	A	4ACSR	7.39Y	123.1	0.00	2.86	0.84	0	6	2	95	0.00	0.0	2.990	0.090	0	0	0	1
076550	PL.4723	A	Consumer	7.39Y	123.1	0.00	2.86	0.84	0	6	2	95	0.00	0.0	2.990	0.000	6	2	1	1
076517	PL.15096	A	Consumer	7.39Y	123.1	0.00	2.85	0.95	0	7	2	96	0.00	0.0	2.900	0.000	7	2	1	1
076566	PL.8286	B	Consumer	7.38Y	123.0	0.00	2.98	0.00	0	0	0	100	0.00	0.0	2.709	0.000	0	0	0	0
076525	PL.44257	B	Consumer	7.41Y	123.4	0.00	2.58	0.88	0	6	2	95	0.00	0.0	2.453	0.000	6	2	1	1
PL.44266	PL.44256	A	2ACSR	7.39Y	123.2	-0.04	2.77	11.58	5	78	35	91	1.37	0.2	2.539	0.155	0	0	0	13
		C		7.21Y	120.1	0.38	5.88	74.42	29	500	200	93					0	0	0	87
PL.44267	PL.44266	A	2ACSR	7.40Y	123.3	-0.05	2.72	10.71	4	72	33	91	1.56	0.3	2.716	0.177	0	0	0	11
		C		7.18Y	119.7	0.44	6.32	74.42	29	498	199	93					0	0	0	87
PL.44263	PL.44267	A	2ACSR	7.40Y	123.3	0.00	2.73	0.85	0	6	2	95	0.00	0.0	2.804	0.088	0	0	0	1
0766042	PL.44263	A	Consumer	7.40Y	123.3	0.00	2.73	0.85	0	6	2	95	0.00	0.0	2.804	0.000	6	2	1	1
PL.44265	PL.44267	A	2ACSR	7.40Y	123.3	-0.02	2.70	9.86	4	66	30	91	0.61	0.1	2.785	0.069	0	0	0	10
		C		7.17Y	119.5	0.17	6.49	74.42	29	497	198	93					0	0	0	87
PL.44270	PL.44265	A	2ACSR	7.40Y	123.3	-0.02	2.69	9.86	4	66	30	91	0.48	0.1	2.840	0.055	0	0	0	10
		C		7.16Y	119.4	0.14	6.63	74.42	29	496	197	93					0	0	0	87
PL.44272	PL.44270	C	2ACSR	7.16Y	119.4	0.00	6.63	1.81	1	12	5	92	0.00	0.0	2.893	0.053	0	0	0	2
076638	PL.44272	C	Consumer	7.16Y	119.4	0.00	6.63	0.87	0	6	2	95	0.00	0.0	2.893	0.000	6	2	1	1
PL.44273	PL.44272	C	2ACSR	7.16Y	119.4	0.00	6.63	0.95	0	6	2	95	0.00	0.0	2.946	0.053	0	0	0	1
076639	PL.44273	C	Consumer	7.16Y	119.4	0.00	6.63	0.95	0	6	2	95	0.00	0.0	2.946	0.000	6	2	1	1
PL.44269	PL.44270	A	2ACSR	7.40Y	123.4	-0.04	2.65	9.86	4	66	30	91	1.21	0.2	2.984	0.145	0	0	0	10
		C		7.14Y	119.0	0.35	6.98	72.61	29	483	192	93					0	0	0	85
PL.44275	PL.44269	A	2ACSR	7.40Y	123.4	-0.02	2.62	9.22	4	62	29	91	0.69	0.1	3.066	0.082	0	0	0	9
		C		7.13Y	118.8	0.20	7.18	72.61	29	482	191	93					0	0	0	85
PL.44280	PL.44275	C	2ACSR	7.13Y	118.8	0.00	7.18	3.03	1	20	8	93	0.00	0.0	3.073	0.007	0	0	0	5
PD.8395	PL.44280	C	fuse6AMP	7.13Y	118.8	0.00	7.18	3.03	52	20	8	93	0.00	0.0	3.073	0.000	0	0	0	5
PL.44281	PD.8395	C	2ACSR	7.13Y	118.8	0.01	7.19	3.03	1	20	8	93	0.00	0.0	3.166	0.093	0	0	0	5
PL.4549	PL.44281	C	4ACSR	7.13Y	118.8	0.01	7.19	2.27	1	15	6	93	0.00	0.0	3.220	0.054	0	0	0	4
PL.8225	PL.4549	C	4ACSR	7.13Y	118.8	0.00	7.20	2.27	1	15	6	93	0.00	0.0	3.225	0.005	0	0	0	4

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: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.8226	PL.8225	C	4ACSR	7.13Y	118.8	0.00	7.20	1.99	1	13	5	93	0.00	0.0	3.280	0.054	0	0	0	3
PL.4545	PL.8226	C	4ACSR	7.13Y	118.8	0.00	7.20	0.59	0	4	1	97	0.00	0.0	3.327	0.047	0	0	0	1
076626	PL.4545	C	Consumer	7.13Y	118.8	0.00	7.20	0.59	0	4	1	97	0.00	0.0	3.327	0.000	4	1	1	1
076627	PL.8226	C	Consumer	7.13Y	118.8	0.00	7.20	0.65	0	4	2	89	0.00	0.0	3.280	0.000	4	2	1	1
PL.4546	PL.8226	C	4ACSR	7.13Y	118.8	0.00	7.20	0.75	0	5	2	93	0.00	0.0	3.373	0.094	0	0	0	1
PL.4547	PL.4546	C	4ACSR	7.13Y	118.8	0.00	7.21	0.75	0	5	2	93	0.00	0.0	3.458	0.084	0	0	0	1
076634	PL.4547	C	Consumer	7.13Y	118.8	0.00	7.21	0.75	0	5	2	93	0.00	0.0	3.458	0.000	5	2	1	1
076624	PL.8225	C	Consumer	7.13Y	118.8	0.00	7.20	0.28	0	2	1	89	0.00	0.0	3.225	0.000	2	1	1	1
076615	PL.44281	C	Consumer	7.13Y	118.8	0.00	7.19	0.75	0	5	2	93	0.00	0.0	3.166	0.000	5	2	1	1
PL.44274	PL.44275	A	2ACSR	7.40Y	123.4	-0.01	2.61	6.66	3	44	22	89	0.23	0.0	3.096	0.030	0	0	0	5
		C		7.13Y	118.8	0.07	7.25	69.59	27	461	183	93					0	0	0	80
PL.44294	PL.44274	A	2ACSR	7.40Y	123.4	-0.01	2.60	6.66	3	44	22	89	0.25	0.1	3.129	0.033	0	0	0	5
		C		7.12Y	118.7	0.08	7.32	69.59	27	461	183	93					0	0	0	80
PL.44293	PL.44294	A	2ACSR	7.41Y	123.4	-0.02	2.58	5.60	2	37	19	89	0.48	0.1	3.192	0.063	0	0	0	4
		C		7.11Y	118.5	0.14	7.47	69.59	27	461	183	93					0	0	0	80
076619	PL.44293	A	Consumer	7.41Y	123.4	0.00	2.58	0.58	0	4	2	89	0.00	0.0	3.192	0.000	4	2	1	1
PL.44291	PL.44293	A	2ACSR	7.41Y	123.5	-0.03	2.55	5.03	2	33	18	88	0.59	0.1	3.269	0.077	0	0	0	3
		C		7.10Y	118.4	0.18	7.65	69.59	27	460	182	93					0	0	0	80
PL.44285	PL.44291	A	2ACSR	7.41Y	123.5	-0.03	2.51	5.03	2	33	18	88	0.58	0.1	3.346	0.076	0	0	0	3
		C		7.09Y	118.2	0.18	7.82	69.59	27	460	182	93					0	0	0	80
PD.8409-A	PL.44285	A	Closed	7.41Y	123.5	0.00	2.51	0.00	0	0	0	100	0.00	0.0	3.346	0.000	0	0	0	0
PD.8409-B	PD.8409-A	A	Closed	7.41Y	123.5	0.00	2.51	0.00	0	0	0	100	0.00	0.0	3.346	0.000	0	0	0	0
L PL.44348	PL.44285	C	4ACSR	7.05Y	117.5	0.67	8.49	65.04	34	431	165	93	2.27	0.5	3.570	0.225	0	0	0	78 L
L PL.44343	PL.44348	C	4ACSR	7.05Y	117.5	0.00	8.49	0.28	0	2	1	89	0.00	0.0	3.575	0.005	0	0	0	1 L
L PL.44340	PL.44343	C	4ACSR	7.05Y	117.5	0.00	8.50	0.28	0	2	1	89	0.00	0.0	3.681	0.106	0	0	0	1 L
L PL.17438	PL.44340	C	4ACSR	7.05Y	117.5	0.00	8.50	0.00	0	0	0	100	0.00	0.0	3.687	0.005	0	0	0	0 L
L PD.8406	PL.17438	C	fuse6AMP	7.05Y	117.5	0.00	8.50	0.00	0	0	0	100	0.00	0.0	3.687	0.000	0	0	0	0 L
L PL.17439	PD.8406	C	4ACSR	7.05Y	117.5	0.00	8.50	0.00	0	0	0	100	0.00	0.0	3.761	0.074	0	0	0	0 L
L 076612	PL.17439	C	Consumer	7.05Y	117.5	0.00	8.50	0.00	0	0	0	100	0.00	0.0	3.761	0.000	0	0	0	0 L
L 076610	PL.17439	C	Consumer	7.05Y	117.5	0.00	8.50	0.00	0	0	0	100	0.00	0.0	3.761	0.000	0	0	0	0 L
L PL.15215	PL.44340	C	4ACSR	7.05Y	117.5	0.00	8.50	0.00	0	0	0	100	0.00	0.0	3.687	0.006	0	0	0	0 L
L PD.8408	PL.15215	C	fuse6AMP	7.05Y	117.5	0.00	8.50	0.00	0	0	0	100	0.00	0.0	3.687	0.000	0	0	0	0 L
L PL.15214	PD.8408	C	4ACSR	7.05Y	117.5	0.00	8.50	0.00	0	0	0	100	0.00	0.0	3.844	0.157	0	0	0	0 L
L PL.15218	PL.15214	C	4ACSR	7.05Y	117.5	0.00	8.50	0.00	0	0	0	100	0.00	0.0	4.423	0.579	0	0	0	0 L
L PL.15220	PL.15218	C	4ACSR	7.05Y	117.5	0.00	8.50	0.00	0	0	0	100	0.00	0.0	4.428	0.005	0	0	0	0 L
L PL.44165	PL.15220	C	4ACSR	7.05Y	117.5	0.00	8.50	0.00	0	0	0	100	0.00	0.0	4.539	0.111	0	0	0	0 L
L PD.516-B	PL.44165	C	Open	7.05Y	117.5	0.00	8.50	0.00	0	0	0	100	0.00	0.0	4.539	0.000	0	0	0	0 L
L PL.15216	PL.15214	C	4ACSR	7.05Y	117.5	0.00	8.50	0.00	0	0	0	100	0.00	0.0	3.849	0.005	0	0	0	0 L
L PL.15217	PL.15216	C	4ACSR	7.05Y	117.5	0.00	8.50	0.00	0	0	0	100	0.00	0.0	3.878	0.029	0	0	0	0 L
L 076633	PL.44340	C	Consumer	7.05Y	117.5	0.00	8.50	0.28	0	2	1	89	0.00	0.0	3.681	0.000	2	1	1	1 L
L PL.44344	PL.44348	C	4ACSR	7.00Y	116.7	0.82	9.31	64.77	33	426	163	93	2.76	0.6	3.846	0.276	0	0	0	77 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: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L 076635	PL.44344	C	Consumer	7.00Y	116.7	0.00	9.31	0.07	0	0	0	100	0.00	0.0	3.846	0.000	0	0	1	1	L
L PL.38992	PL.44344	C	4ACSR	7.00Y	116.7	0.02	9.33	64.69	33	423	161	93	0.06	0.0	3.852	0.006	0	0	0	76	L
L PL.44162	PL.38992	C	4ACSR	7.00Y	116.6	0.04	9.37	64.69	33	423	161	93	0.14	0.0	3.866	0.014	0	0	0	76	L
L PD.3432	PL.44162	C	50V4E	7.00Y	116.6	0.00	9.37	64.69	129	423	161	93	0.00	0.0	3.866	0.000	0	0	0	76	L
L PL.44163	PD.3432	C	4ACSR	6.98Y	116.4	0.21	9.58	64.69	33	423	161	93	0.73	0.2	3.938	0.073	0	0	0	76	L
L 076611	PL.44163	C	Consumer	6.98Y	116.4	0.00	9.58	1.33	0	9	3	95	0.00	0.0	3.938	0.000	9	3	1	1	L
L PL.12863	PL.44163	C	4ACSR	6.97Y	116.1	0.27	9.86	63.36	33	414	157	94	0.91	0.2	4.033	0.095	0	0	0	75	L
L PL.8222	PL.12863	C	4ACSR	6.94Y	115.6	0.53	10.39	61.28	32	399	152	93	1.68	0.4	4.220	0.188	0	0	0	73	L
L 076703	PL.8222	C	Consumer	6.94Y	115.6	0.00	10.39	0.53	0	3	1	95	0.00	0.0	4.220	0.000	3	1	1	1	L
L 076711	PL.8222	C	Consumer	6.94Y	115.6	0.00	10.39	0.30	0	2	1	89	0.00	0.0	4.220	0.000	2	1	1	1	L
L PL.12864	PL.8222	C	4ACSR	6.93Y	115.5	0.13	10.51	60.46	31	392	149	93	0.40	0.1	4.266	0.045	0	0	0	71	L
L PL.15210	PL.12864	C	4ACSR	6.93Y	115.5	0.00	10.51	4.28	2	28	10	94	0.00	0.0	4.271	0.006	0	0	0	5	L
L PD.2213	PL.15210	C	fuse6AMP	6.93Y	115.5	0.00	10.51	4.28	73	28	10	94	0.00	0.0	4.271	0.000	0	0	0	5	L
L PL.15211	PD.2213	C	4ACSR	6.93Y	115.5	0.01	10.52	4.28	2	28	10	94	0.00	0.0	4.329	0.058	0	0	0	5	L
L PL.8223	PL.15211	C	4ACSR	6.93Y	115.5	0.00	10.53	1.89	1	12	5	92	0.00	0.0	4.364	0.035	0	0	0	3	L
L PL.8224	PL.8223	C	4ACSR	6.93Y	115.5	0.00	10.53	0.32	0	2	1	89	0.00	0.0	4.415	0.051	0	0	0	1	L
L 076718	PL.8224	C	Consumer	6.93Y	115.5	0.00	10.53	0.32	0	2	1	89	0.00	0.0	4.415	0.000	2	1	1	1	L
L 076728	PL.8224	C	Consumer	6.93Y	115.5	0.00	10.53	0.00	0	0	0	100	0.00	0.0	4.415	0.000	0	0	0	0	L
L 076736	PL.8224	C	Consumer	6.93Y	115.5	0.00	10.53	0.00	0	0	0	100	0.00	0.0	4.415	0.000	0	0	0	0	L
L 076740	PL.8224	C	Consumer	6.93Y	115.5	0.00	10.53	0.00	0	0	0	100	0.00	0.0	4.415	0.000	0	0	0	0	L
L 076725	PL.8223	C	Consumer	6.93Y	115.5	0.00	10.53	0.86	0	6	2	95	0.00	0.0	4.364	0.000	6	2	1	1	L
L 076709	PL.8223	C	Consumer	6.93Y	115.5	0.00	10.53	0.71	0	5	2	93	0.00	0.0	4.364	0.000	5	2	1	1	L
L 076730	PL.15211	C	Consumer	6.93Y	115.5	0.00	10.52	1.27	0	8	3	94	0.00	0.0	4.329	0.000	8	3	1	1	L
L 076743	PL.15211	C	Consumer	6.93Y	115.5	0.00	10.52	1.12	0	7	3	92	0.00	0.0	4.329	0.000	7	3	1	1	L
L PL.12865	PL.12864	C	4ACSR	6.89Y	114.9	0.59	11.10	56.18	29	364	138	94	1.74	0.5	4.497	0.231	0	0	0	66	L
L PL.15208	PL.12865	C	4ACSR	6.89Y	114.9	0.00	11.11	5.37	3	35	13	94	0.00	0.0	4.502	0.006	0	0	0	8	L
L PD.2214	PL.15208	C	fuse6AMP	6.89Y	114.9	0.00	11.11	5.37	92	35	13	94	0.00	0.0	4.502	0.000	0	0	0	8	L
L PL.15209	PD.2214	C	4ACSR	6.89Y	114.9	0.02	11.12	5.37	3	35	13	94	0.00	0.0	4.569	0.066	0	0	0	8	L
L PL.4540	PL.15209	C	4ACSR	6.89Y	114.9	0.00	11.12	0.00	0	0	0	100	0.00	0.0	4.679	0.110	0	0	0	0	L
L PL.4541	PL.4540	C	4ACSR	6.89Y	114.9	0.00	11.12	0.00	0	0	0	100	0.00	0.0	4.750	0.071	0	0	0	0	L
L PL.4539	PL.15209	C	4ACSR	6.89Y	114.9	0.00	11.13	5.37	3	35	13	94	0.00	0.0	4.582	0.013	0	0	0	8	L
L 076715	PL.4539	C	Consumer	6.89Y	114.9	0.00	11.13	0.36	0	2	1	89	0.00	0.0	4.582	0.000	2	1	1	1	L
L 076733	PL.4539	C	Consumer	6.89Y	114.9	0.00	11.13	0.88	0	6	2	95	0.00	0.0	4.582	0.000	6	2	1	1	L
L PL.4536	PL.4539	C	4ACSR	6.89Y	114.9	0.00	11.13	4.13	2	27	10	94	0.00	0.0	4.605	0.024	0	0	0	6	L
L PL.4538	PL.4536	C	4ACSR	6.89Y	114.9	0.00	11.13	1.39	1	9	3	95	0.00	0.0	4.644	0.039	0	0	0	2	L
L 076738	PL.4538	C	Consumer	6.89Y	114.9	0.00	11.13	0.60	0	4	1	97	0.00	0.0	4.644	0.000	4	1	1	1	L
L 076745	PL.4538	C	Consumer	6.89Y	114.9	0.00	11.13	0.79	0	5	2	93	0.00	0.0	4.644	0.000	5	2	1	1	L
L 076737	PL.4538	C	Consumer	6.89Y	114.9	0.00	11.13	0.00	0	0	0	100	0.00	0.0	4.644	0.000	0	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: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L 076717	PL.4536	C	Consumer	6.89Y	114.9	0.00	11.13	0.72	0	5	2	93	0.00	0.0	4.605	0.000	5	2	1	1	L
L 076716	PL.4536	C	Consumer	6.89Y	114.9	0.00	11.13	1.20	0	8	3	94	0.00	0.0	4.605	0.000	8	3	1	1	L
L PL.4537	PL.4536	C	4ACSR	6.89Y	114.9	0.00	11.13	0.82	0	5	2	93	0.00	0.0	4.641	0.035	0	0	0	2	L
L PL.4349	PL.4537	C	4ACSR	6.89Y	114.9	0.00	11.13	0.43	0	3	1	95	0.00	0.0	4.680	0.040	0	0	0	1	L
L 076747	PL.4349	C	Consumer	6.89Y	114.9	0.00	11.13	0.43	0	3	1	95	0.00	0.0	4.680	0.000	3	1	1	1	L
L 076723	PL.4537	C	Consumer	6.89Y	114.9	0.00	11.13	0.39	0	2	1	89	0.00	0.0	4.641	0.000	2	1	1	1	L
L PL.12866	PL.12865	C	4ACSR	6.88Y	114.7	0.23	11.33	50.81	26	328	124	94	0.61	0.2	4.595	0.098	0	0	0	58	L
L PL.12867	PL.12866	C	4ACSR	6.86Y	114.4	0.27	11.60	50.07	26	322	122	94	0.71	0.2	4.712	0.118	0	0	0	56	L
L PL.12868	PL.12867	C	4ACSR	6.85Y	114.1	0.28	11.88	41.82	22	268	102	93	0.61	0.2	4.859	0.147	0	0	0	48	L
L PL.12869	PL.12868	C	4ACSR	6.84Y	113.9	0.19	12.07	39.54	20	253	96	93	0.38	0.2	4.962	0.102	0	0	0	45	L
L PL.15198	PL.12869	C	4ACSR	6.84Y	113.9	0.00	12.07	0.38	0	2	1	89	0.00	0.0	4.967	0.005	0	0	0	1	L
L PD.2217	PL.15198	C	fuse6AMP	6.84Y	113.9	0.00	12.07	0.38	6	2	1	89	0.00	0.0	4.967	0.000	0	0	0	1	L
L PL.15199	PD.2217	C	4ACSR	6.84Y	113.9	0.00	12.07	0.38	0	2	1	89	0.00	0.0	5.065	0.098	0	0	0	1	L
L 076710	PL.15199	C	Consumer	6.84Y	113.9	0.00	12.07	0.38	0	2	1	89	0.00	0.0	5.065	0.000	2	1	1	1	L
L PL.12870	PL.12869	C	4ACSR	6.82Y	113.7	0.27	12.34	38.37	20	245	93	93	0.53	0.2	5.114	0.152	0	0	0	42	L
L PL.25246	PL.12870	C	4ACSR	6.81Y	113.6	0.08	12.42	36.78	19	235	89	94	0.16	0.1	5.162	0.048	0	0	0	41	L
L PL.12871	PL.25246	C	4ACSR	6.81Y	113.5	0.04	12.46	36.78	19	235	88	94	0.08	0.0	5.185	0.024	0	0	0	41	L
L PL.12872	PL.12871	C	4ACSR	6.81Y	113.5	0.07	12.52	35.88	18	229	86	94	0.12	0.1	5.226	0.041	0	0	0	40	L
L PL.12881	PL.12872	C	4ACSR	6.81Y	113.4	0.05	12.57	35.88	18	229	86	94	0.09	0.0	5.254	0.028	0	0	0	40	L
L PL.12882	PL.12881	C	4ACSR	6.79Y	113.2	0.19	12.76	35.01	18	223	84	94	0.35	0.2	5.374	0.119	0	0	0	38	L
L 077819	PL.12882	C	Consumer	6.79Y	113.2	0.00	12.76	0.00	0	0	0	100	0.00	0.0	5.374	0.000	0	0	0	0	L
L PL.15190	PL.12882	C	4ACSR	6.79Y	113.2	0.00	12.76	0.82	0	5	2	93	0.00	0.0	5.380	0.006	0	0	0	1	L
L PD.2243	PL.15190	C	fuse6AMP	6.79Y	113.2	0.00	12.76	0.82	14	5	2	93	0.00	0.0	5.380	0.000	0	0	0	1	L
L PL.15191	PD.2243	C	4ACSR	6.79Y	113.2	0.00	12.76	0.82	0	5	2	93	0.00	0.0	5.448	0.069	0	0	0	1	L
L 077801	PL.15191	C	Consumer	6.79Y	113.2	0.00	12.76	0.82	0	5	2	93	0.00	0.0	5.448	0.000	5	2	1	1	L
L PL.12873	PL.12882	C	4ACSR	6.78Y	113.0	0.22	12.98	33.16	17	211	79	94	0.38	0.2	5.520	0.146	0	0	0	36	L
L PL.15185	PL.12873	C	4ACSR	6.78Y	113.0	0.00	12.98	3.41	2	22	8	94	0.00	0.0	5.525	0.006	0	0	0	2	L
L PD.2244	PL.15185	C	fuse6AMP	6.78Y	113.0	0.00	12.98	3.41	58	22	8	94	0.00	0.0	5.525	0.000	0	0	0	2	L
L PL.15186	PD.2244	C	4ACSR	6.78Y	113.0	0.00	12.99	3.41	2	22	8	94	0.00	0.0	5.539	0.014	0	0	0	2	L
L PL.4708	PL.15186	C	4ACSR	6.78Y	113.0	0.00	12.99	1.11	1	7	3	92	0.00	0.0	5.591	0.052	0	0	0	1	L
L 077827	PL.4708	C	Consumer	6.78Y	113.0	0.00	12.99	1.11	0	7	3	92	0.00	0.0	5.591	0.000	7	3	1	1	L
L PL.12875	PL.15186	C	4ACSR	6.78Y	113.0	0.01	12.99	2.30	1	15	5	95	0.00	0.0	5.597	0.058	0	0	0	1	L
L 077802	PL.12875	C	Consumer	6.78Y	113.0	0.00	12.99	2.30	0	15	5	95	0.00	0.0	5.597	0.000	15	5	1	1	L
L PL.12874	PL.12873	C	4ACSR	6.78Y	113.0	0.03	13.01	29.75	15	189	71	94	0.04	0.0	5.540	0.020	0	0	0	34	L
L PL.15189	PL.12874	C	4ACSR	6.78Y	113.0	0.00	13.01	12.72	7	81	30	94	0.00	0.0	5.547	0.006	0	0	0	19	L
L PD.3439	PL.15189	C	25V4E	6.78Y	113.0	0.00	13.01	12.72	51	81	30	94	0.00	0.0	5.547	0.000	0	0	0	19	L
L PL.19409	PD.3439	C	4ACSR	6.77Y	112.9	0.08	13.09	12.72	7	81	30	94	0.05	0.1	5.677	0.130	0	0	0	19	L
L PL.19410	PL.19409	C	4ACSR	6.77Y	112.8	0.07	13.16	12.72	7	81	30	94	0.05	0.1	5.796	0.119	0	0	0	19	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: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PL.12883	PL.19410	C	4ACSR	6.77Y	112.8	0.03	13.19	12.65	7	80	30	94	0.02	0.0	5.852	0.056	0	0	0	17	L
L PL.4704	PL.12883	C	4ACSR	6.77Y	112.8	0.00	13.20	1.40	1	9	3	95	0.00	0.0	5.904	0.052	0	0	0	1	L
L 077821	PL.4704	C	Consumer	6.77Y	112.8	0.00	13.20	1.40	0	9	3	95	0.00	0.0	5.904	0.000	9	3	1	1	L
L PL.30935	PL.12883	C	4ACSR	6.77Y	112.8	0.02	13.21	11.25	6	71	27	93	0.01	0.0	5.885	0.033	0	0	0	16	L
L PL.30936	PL.30935	C	4ACSR	6.77Y	112.8	0.02	13.23	10.33	5	65	25	93	0.01	0.0	5.925	0.040	0	0	0	15	L
L PL.12885	PL.30936	C	4ACSR	6.76Y	112.7	0.06	13.29	8.28	4	52	20	93	0.03	0.0	6.081	0.156	0	0	0	13	L
L 077840	PL.12885	C	Consumer	6.76Y	112.7	0.00	13.29	0.00	0	0	0	100	0.00	0.0	6.081	0.000	0	0	0	0	L
L PL.39001	PL.12885	C	4ACSR	6.76Y	112.7	0.02	13.31	3.52	2	22	8	94	0.00	0.0	6.232	0.152	0	0	0	7	L
L PL.39002	PL.39001	C	4ACSR	6.76Y	112.7	0.01	13.32	3.12	2	20	7	94	0.00	0.0	6.307	0.074	0	0	0	6	L
L PL.15183	PL.39002	C	4ACSR	6.76Y	112.7	0.01	13.34	3.12	2	20	7	94	0.00	0.0	6.409	0.102	0	0	0	6	L
L PD.13-A	PL.15183	C	Closed	6.76Y	112.7	0.00	13.34	3.12	0	20	7	94	0.00	0.0	6.409	0.000	0	0	0	6	L
L PD.13-B	PD.13-A	C	Closed	6.76Y	112.7	0.00	13.34	3.12	0	20	7	94	0.00	0.0	6.409	0.000	0	0	0	6	L
L PL.15184	PD.13-B	C	4ACSR	6.76Y	112.7	0.00	13.34	3.12	2	20	7	94	0.00	0.0	6.415	0.006	0	0	0	6	L
L PL.12890	PL.15184	C	4ACSR	6.76Y	112.7	0.01	13.35	1.90	1	12	5	92	0.00	0.0	6.519	0.104	0	0	0	5	L
L PL.25298	PL.12890	C	4ACSR	6.76Y	112.6	0.01	13.35	1.90	1	12	5	92	0.00	0.0	6.584	0.066	0	0	0	5	L
L PL.12891	PL.25298	C	4ACSR	6.76Y	112.6	0.01	13.36	1.68	1	11	4	94	0.00	0.0	6.697	0.113	0	0	0	4	L
L PL.39010	PL.12891	C	4ACSR	6.76Y	112.6	0.00	13.36	0.24	0	2	1	89	0.00	0.0	6.709	0.012	0	0	0	1	L
L PD.6810	PL.39010	C	fuse6AMP	6.76Y	112.6	0.00	13.36	0.24	4	2	1	89	0.00	0.0	6.709	0.000	0	0	0	1	L
L PL.39011	PD.6810	C	4ACSR	6.76Y	112.6	0.00	13.36	0.24	0	2	1	89	0.00	0.0	6.788	0.080	0	0	0	1	L
L 078803	PL.39011	C	Consumer	6.76Y	112.6	0.00	13.36	0.24	0	2	1	89	0.00	0.0	6.788	0.000	2	1	1	1	L
L PL.12892	PL.12891	C	4ACSR	6.76Y	112.6	0.02	13.38	1.44	1	9	3	95	0.00	0.0	7.027	0.330	0	0	0	3	L
L PL.25296	PL.12892	C	4ACSR	6.76Y	112.6	0.01	13.39	1.40	1	9	3	95	0.00	0.0	7.106	0.079	0	0	0	2	L
L PL.25297	PL.25296	C	4ACSR	6.76Y	112.6	0.01	13.40	1.40	1	9	3	95	0.00	0.0	7.233	0.127	0	0	0	2	L
L PL.25294	PL.25297	C	4ACSR	6.76Y	112.6	0.00	13.40	0.94	0	6	2	95	0.00	0.0	7.312	0.079	0	0	0	1	L
L PL.25295	PL.25294	C	4ACSR	6.76Y	112.6	0.01	13.40	0.94	0	6	2	95	0.00	0.0	7.446	0.134	0	0	0	1	L
L 077913	PL.25295	C	Consumer	6.76Y	112.6	0.00	13.40	0.94	0	6	2	95	0.00	0.0	7.446	0.000	6	2	1	1	L
L 078903	PL.25297	C	Consumer	6.76Y	112.6	0.00	13.40	0.46	0	3	1	95	0.00	0.0	7.233	0.000	3	1	1	1	L
L 078902	PL.12892	C	Consumer	6.76Y	112.6	0.00	13.38	0.05	0	0	0	100	0.00	0.0	7.027	0.000	0	0	1	1	L
L 078802	PL.25298	C	Consumer	6.76Y	112.6	0.00	13.35	0.22	0	1	1	71	0.00	0.0	6.584	0.000	1	1	1	1	L
L PL.39006	PL.15184	C	4ACSR	6.76Y	112.7	0.00	13.34	1.21	1	8	3	94	0.00	0.0	6.422	0.007	0	0	0	1	L
L PL.39008	PL.39006	C	4ACSR	6.76Y	112.7	0.00	13.34	1.21	1	8	3	94	0.00	0.0	6.425	0.003	0	0	0	1	L
L PD.6809	PL.39008	C	fuse6AMP	6.76Y	112.7	0.00	13.34	1.21	21	8	3	94	0.00	0.0	6.425	0.000	0	0	0	1	L
L PL.39009	PD.6809	C	4ACSR	6.76Y	112.7	0.00	13.34	1.21	1	8	3	94	0.00	0.0	6.515	0.090	0	0	0	1	L
L 078804	PL.39009	C	Consumer	6.76Y	112.7	0.00	13.34	1.21	0	8	3	94	0.00	0.0	6.515	0.000	8	3	1	1	L
L 077841	PL.39002	C	Consumer	6.76Y	112.7	0.00	13.32	0.00	0	0	0	100	0.00	0.0	6.307	0.000	0	0	0	0	L
L PL.39004	PL.39001	C	4ACSR	6.76Y	112.7	0.00	13.31	0.41	0	3	1	95	0.00	0.0	6.233	0.001	0	0	0	1	L
L PD.6807	PL.39004	C	fuse6AMP	6.76Y	112.7	0.00	13.31	0.41	7	3	1	95	0.00	0.0	6.233	0.000	0	0	0	1	L
L PL.39005	PD.6807	C	4ACSR	6.76Y	112.7	0.00	13.31	0.41	0	3	1	95	0.00	0.0	6.248	0.015	0	0	0	1	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: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PL.39003	PL.39005	C	4ACSR	6.76Y	112.7	0.00	13.31	0.41	0	3	1	95	0.00	0.0	6.250	0.002	0	0	0	1	L
L 077807	PL.39003	C	Consumer	6.76Y	112.7	0.00	13.31	0.41	0	3	1	95	0.00	0.0	6.250	0.000	3	1	1	1	L
L PL.38998	PL.12885	C	4ACSR	6.76Y	112.7	0.00	13.29	0.18	0	1	0	100	0.00	0.0	6.091	0.011	0	0	0	1	L
L PD.6806	PL.38998	C	fuse6AMP	6.76Y	112.7	0.00	13.29	0.18	3	1	0	100	0.00	0.0	6.091	0.000	0	0	0	1	L
L PL.38999	PD.6806	C	4ACSR	6.76Y	112.7	0.00	13.29	0.18	0	1	0	100	0.00	0.0	6.170	0.079	0	0	0	1	L
L PL.12889	PL.38999	C	4ACSR	6.76Y	112.7	0.00	13.29	0.18	0	1	0	100	0.00	0.0	6.214	0.043	0	0	0	1	L
L 077805	PL.12889	C	Consumer	6.76Y	112.7	0.00	13.29	0.18	0	1	0	100	0.00	0.0	6.214	0.000	1	0	1	1	L
L PL.8248	PL.38999	C	4ACSR	6.76Y	112.7	0.00	13.29	0.00	0	0	0	100	0.00	0.0	6.371	0.201	0	0	0	0	L
L PL.8249	PL.8248	C	4ACSR	6.76Y	112.7	0.00	13.29	0.00	0	0	0	100	0.00	0.0	6.371	0.000	0	0	0	0	L
L 077844	PL.8248	C	Consumer	6.76Y	112.7	0.00	13.29	0.00	0	0	0	100	0.00	0.0	6.371	0.000	0	0	0	0	L
L PL.38997	PL.12885	C	4ACSR	6.76Y	112.7	0.00	13.29	4.59	2	29	11	93	0.00	0.0	6.090	0.009	0	0	0	5	L
L PD.6805	PL.38997	C	fuse6AMP	6.76Y	112.7	0.00	13.29	4.59	78	29	11	93	0.00	0.0	6.090	0.000	0	0	0	5	L
L PL.38996	PD.6805	C	4ACSR	6.76Y	112.7	0.01	13.30	4.59	2	29	11	93	0.00	0.0	6.123	0.032	0	0	0	5	L
L 077812	PL.38996	C	Consumer	6.76Y	112.7	0.00	13.30	0.61	0	4	1	97	0.00	0.0	6.123	0.000	4	1	1	1	L
L PL.12886	PL.38996	C	4ACSR	6.76Y	112.7	0.02	13.31	3.98	2	25	9	94	0.00	0.0	6.218	0.095	0	0	0	4	L
L PL.8233	PL.12886	C	4ACSR	6.76Y	112.7	0.00	13.32	2.16	1	14	5	94	0.00	0.0	6.254	0.037	0	0	0	2	L
L 077824	PL.8233	C	Consumer	6.76Y	112.7	0.00	13.32	0.00	0	0	0	100	0.00	0.0	6.254	0.000	0	0	0	0	L
L PL.8232	PL.8233	C	4ACSR	6.76Y	112.7	0.01	13.32	2.16	1	14	5	94	0.00	0.0	6.312	0.058	0	0	0	2	L
L PL.4707	PL.8232	C	4ACSR	6.76Y	112.7	0.01	13.33	2.01	1	13	5	93	0.00	0.0	6.386	0.074	0	0	0	1	L
L PL.4715	PL.4707	C	4ACSR	6.76Y	112.7	0.02	13.35	2.01	1	13	5	93	0.00	0.0	6.571	0.185	0	0	0	1	L
L 077843	PL.4715	C	Consumer	6.76Y	112.7	0.00	13.35	2.01	0	13	5	93	0.00	0.0	6.571	0.000	13	5	1	1	L
L 077823	PL.8232	C	Consumer	6.76Y	112.7	0.00	13.32	0.16	0	1	0	100	0.00	0.0	6.312	0.000	1	0	1	1	L
L 077806	PL.12886	C	Consumer	6.76Y	112.7	0.00	13.31	0.85	0	5	2	93	0.00	0.0	6.218	0.000	5	2	1	1	L
L 077820	PL.12886	C	Consumer	6.76Y	112.7	0.00	13.31	0.96	0	6	2	95	0.00	0.0	6.218	0.000	6	2	1	1	L
L 077808	PL.12886	C	Consumer	6.76Y	112.7	0.00	13.31	0.00	0	0	0	100	0.00	0.0	6.218	0.000	0	0	0	0	L
L PL.8246	PL.12885	C	4ACSR	6.76Y	112.7	0.00	13.29	0.00	0	0	0	100	0.00	0.0	6.081	0.000	0	0	0	0	L
L PL.38994	PL.30936	C	4ACSR	6.77Y	112.8	0.00	13.23	2.05	1	13	5	93	0.00	0.0	5.934	0.009	0	0	0	2	L
L PD.6804	PL.38994	C	fuse6AMP	6.77Y	112.8	0.00	13.23	2.05	35	13	5	93	0.00	0.0	5.934	0.000	0	0	0	2	L
L PL.38995	PD.6804	C	4ACSR	6.77Y	112.8	0.00	13.23	2.05	1	13	5	93	0.00	0.0	5.976	0.042	0	0	0	2	L
L 077822	PL.38995	C	Consumer	6.77Y	112.8	0.00	13.23	1.44	0	9	3	95	0.00	0.0	5.976	0.000	9	3	1	1	L
L 077817	PL.38995	C	Consumer	6.77Y	112.8	0.00	13.23	0.61	0	4	1	97	0.00	0.0	5.976	0.000	4	1	1	1	L
L 077810	PL.30935	C	Consumer	6.77Y	112.8	0.00	13.21	0.92	0	6	2	95	0.00	0.0	5.885	0.000	6	2	1	1	L
L 077814	PL.19410	C	Consumer	6.77Y	112.8	0.00	13.16	0.07	0	0	0	100	0.00	0.0	5.796	0.000	0	0	1	1	L
L 077816	PL.19410	C	Consumer	6.77Y	112.8	0.00	13.16	0.00	0	0	0	100	0.00	0.0	5.796	0.000	0	0	1	1	L
L PL.15187	PL.12874	C	4ACSR	6.78Y	113.0	0.01	13.02	17.03	9	108	41	93	0.01	0.0	5.548	0.008	0	0	0	15	L
L PD.2245	PL.15187	C	fuse6AMP	6.78Y	113.0	0.00	13.02	17.03	291	108	41	93	0.00	0.0	5.548	0.000	0	0	0	15	L
L PL.15188	PD.2245	C	4ACSR	6.78Y	112.9	0.04	13.05	17.03	9	108	41	93	0.03	0.0	5.597	0.050	0	0	0	15	L
L 077826	PL.15188	C	Consumer	6.78Y	112.9	0.00	13.05	2.01	0	13	5	93	0.00	0.0	5.597	0.000	13	5	1	1	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: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
L PL.12876	PL.15188	C	4ACSR	6.78Y	112.9	0.02	13.07	15.02	8	95	36	94	0.01	0.0	5.623	0.025	0	0	0	14 L
L PL.12877	PL.12876	C	4ACSR	6.77Y	112.9	0.01	13.09	11.75	6	75	28	94	0.01	0.0	5.649	0.026	0	0	0	10 L
L PL.8243	PL.12877	C	4ACSR	6.77Y	112.8	0.07	13.16	9.77	5	62	23	94	0.04	0.1	5.809	0.160	0	0	0	8 L
L PL.8240	PL.8243	C	4ACSR	6.77Y	112.8	0.02	13.17	9.04	5	57	22	93	0.01	0.0	5.846	0.037	0	0	0	7 L
L 077834	PL.8240	C	Consumer	6.77Y	112.8	0.00	13.17	1.24	0	8	3	94	0.00	0.0	5.846	0.000	8	3	1	1 L
L PL.8241	PL.8240	C	4ACSR	6.77Y	112.8	0.02	13.19	7.80	4	49	19	93	0.01	0.0	5.905	0.059	0	0	0	6 L
L PL.12879	PL.8241	C	4ACSR	6.77Y	112.8	0.01	13.21	7.80	4	49	19	93	0.00	0.0	5.937	0.032	0	0	0	6 L
L PL.4713	PL.12879	C	4ACSR	6.77Y	112.8	0.01	13.21	3.42	2	22	8	94	0.00	0.0	5.969	0.032	0	0	0	3 L
L PL.4688	PL.4713	C	4ACSR	6.77Y	112.8	0.01	13.22	1.67	1	11	4	94	0.00	0.0	6.085	0.116	0	0	0	1 L
L 076809	PL.4688	C	Consumer	6.77Y	112.8	0.00	13.22	1.67	0	11	4	94	0.00	0.0	6.085	0.000	11	4	1	1 L
L PL.25266	PL.4713	C	4ACSR	6.77Y	112.8	0.00	13.21	1.74	1	11	4	94	0.00	0.0	6.003	0.034	0	0	0	2 L
L PL.25267	PL.25266	C	4ACSR	6.77Y	112.8	0.00	13.22	0.35	0	2	1	89	0.00	0.0	6.109	0.106	0	0	0	1 L
L PL.33670	PL.25267	C	2ACSR	6.77Y	112.8	0.00	13.22	0.00	0	0	0	100	0.00	0.0	6.146	0.037	0	0	0	0 L
L 0768011	PL.33670	C	Consumer	6.77Y	112.8	0.00	13.22	0.00	0	0	0	100	0.00	0.0	6.146	0.000	0	0	0	0 L
L 076807	PL.25267	C	Consumer	6.77Y	112.8	0.00	13.22	0.35	0	2	1	89	0.00	0.0	6.109	0.000	2	1	1	1 L
L 076808	PL.25266	C	Consumer	6.77Y	112.8	0.00	13.21	1.40	0	9	3	95	0.00	0.0	6.003	0.000	9	3	1	1 L
L PL.12880	PL.12879	C	4ACSR	6.77Y	112.8	0.00	13.21	4.38	2	28	10	94	0.00	0.0	5.937	0.000	0	0	0	3 L
L PL.12878	PL.12880	C	4ACSR	6.77Y	112.8	0.00	13.21	2.58	1	16	6	94	0.00	0.0	5.972	0.035	0	0	0	2 L
L PL.8237	PL.12878	C	4ACSR	6.77Y	112.8	0.00	13.21	1.96	1	12	5	92	0.00	0.0	5.972	0.000	0	0	0	1 L
L 077825	PL.8237	C	Consumer	6.77Y	112.8	0.00	13.21	1.96	0	12	5	92	0.00	0.0	5.972	0.000	12	5	1	1 L
L PL.4710	PL.8237	C	4ACSR	6.77Y	112.8	0.00	13.21	0.00	0	0	0	100	0.00	0.0	6.009	0.036	0	0	0	0 L
L 0778047	PL.12878	C	Consumer	6.77Y	112.8	0.00	13.21	0.62	0	4	1	97	0.00	0.0	5.972	0.000	4	1	1	1 L
L 077831	PL.12880	C	Consumer	6.77Y	112.8	0.00	13.21	1.80	0	11	4	94	0.00	0.0	5.937	0.000	11	4	1	1 L
L 077828	PL.8241	C	Consumer	6.77Y	112.8	0.00	13.19	0.00	0	0	0	100	0.00	0.0	5.905	0.000	0	0	0	0 L
L 077833	PL.8243	C	Consumer	6.77Y	112.8	0.00	13.16	0.00	0	0	0	100	0.00	0.0	5.809	0.000	0	0	0	0 L
L 077832	PL.8243	C	Consumer	6.77Y	112.8	0.00	13.16	0.73	0	5	2	93	0.00	0.0	5.809	0.000	5	2	1	1 L
L 077842	PL.12877	C	Consumer	6.77Y	112.9	0.00	13.09	0.83	0	5	2	93	0.00	0.0	5.649	0.000	5	2	1	1 L
L 077837	PL.12877	C	Consumer	6.77Y	112.9	0.00	13.09	1.15	0	7	3	92	0.00	0.0	5.649	0.000	7	3	1	1 L
L PL.8244	PL.12876	C	4ACSR	6.78Y	112.9	0.00	13.07	3.27	2	21	8	93	0.00	0.0	5.632	0.009	0	0	0	4 L
L PL.8245	PL.8244	C	4ACSR	6.77Y	112.9	0.01	13.08	3.27	2	21	8	93	0.00	0.0	5.706	0.074	0	0	0	4 L
L PL.8242	PL.8245	C	4ACSR	6.77Y	112.9	0.00	13.09	3.05	2	19	7	94	0.00	0.0	5.708	0.002	0	0	0	3 L
L PL.4709	PL.8242	C	4ACSR	6.77Y	112.9	0.00	13.09	3.05	2	19	7	94	0.00	0.0	5.744	0.036	0	0	0	3 L
L PL.4714	PL.4709	C	4ACSR	6.77Y	112.9	0.01	13.10	3.05	2	19	7	94	0.00	0.0	5.798	0.055	0	0	0	3 L
L 077846	PL.4714	C	Consumer	6.77Y	112.9	0.00	13.10	1.58	0	10	4	93	0.00	0.0	5.798	0.000	10	4	1	1 L
L 077836	PL.4714	C	Consumer	6.77Y	112.9	0.00	13.10	0.32	0	2	1	89	0.00	0.0	5.798	0.000	2	1	1	1 L
L 077838	PL.4714	C	Consumer	6.77Y	112.9	0.00	13.10	1.15	0	7	3	92	0.00	0.0	5.798	0.000	7	3	1	1 L
L 077835	PL.8245	C	Consumer	6.77Y	112.9	0.00	13.08	0.22	0	1	1	71	0.00	0.0	5.706	0.000	1	1	1	1 L
L 077839	PL.8244	C	Consumer	6.78Y	112.9	0.00	13.07	0.00	0	0	0	100	0.00	0.0	5.632	0.000	0	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: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
L 077830	PL.12873	C	Consumer	6.78Y	113.0	0.00	12.98	0.00	0	0	0	100	0.00	0.0	5.520	0.000	0	0	0	0 L
L PL.15192	PL.12882	C	4ACSR	6.79Y	113.2	0.00	12.76	1.03	1	7	2	96	0.00	0.0	5.380	0.007	0	0	0	1 L
L PD.2242	PL.15192	C	fuse6AMP	6.79Y	113.2	0.00	12.76	1.03	18	7	2	96	0.00	0.0	5.380	0.000	0	0	0	1 L
L PL.15193	PD.2242	C	4ACSR	6.79Y	113.2	0.00	12.77	1.03	1	7	2	96	0.00	0.0	5.469	0.088	0	0	0	1 L
L 077818	PL.15193	C	Consumer	6.79Y	113.2	0.00	12.77	1.03	0	7	2	96	0.00	0.0	5.469	0.000	7	2	1	1 L
L 077809	PL.12881	C	Consumer	6.81Y	113.4	0.00	12.57	0.32	0	2	1	89	0.00	0.0	5.254	0.000	2	1	1	1 L
L PL.15194	PL.12881	C	4ACSR	6.81Y	113.4	0.00	12.57	0.56	0	4	1	97	0.00	0.0	5.260	0.005	0	0	0	1 L
L PD.2241	PL.15194	C	fuse6AMP	6.81Y	113.4	0.00	12.57	0.56	9	4	1	97	0.00	0.0	5.260	0.000	0	0	0	1 L
L PL.15195	PD.2241	C	4ACSR	6.81Y	113.4	0.00	12.57	0.56	0	4	1	97	0.00	0.0	5.277	0.017	0	0	0	1 L
L PL.8229	PL.15195	C	4ACSR	6.81Y	113.4	0.00	12.57	0.56	0	4	1	97	0.00	0.0	5.309	0.032	0	0	0	1 L
L PL.8230	PL.8229	C	4ACSR	6.81Y	113.4	0.00	12.57	0.00	0	0	0	100	0.00	0.0	5.403	0.095	0	0	0	0 L
L 077702	PL.8229	C	Consumer	6.81Y	113.4	0.00	12.57	0.56	0	4	1	97	0.00	0.0	5.309	0.000	4	1	1	1 L
L PL.15196	PL.12871	C	4ACSR	6.81Y	113.5	0.00	12.46	0.90	0	6	2	95	0.00	0.0	5.191	0.005	0	0	0	1 L
L PD.2240	PL.15196	C	fuse6AMP	6.81Y	113.5	0.00	12.46	0.90	15	6	2	95	0.00	0.0	5.191	0.000	0	0	0	1 L
L PL.15197	PD.2240	C	4ACSR	6.81Y	113.5	0.00	12.46	0.90	0	6	2	95	0.00	0.0	5.240	0.049	0	0	0	1 L
L 077704	PL.15197	C	Consumer	6.81Y	113.5	0.00	12.46	0.90	0	6	2	95	0.00	0.0	5.240	0.000	6	2	1	1 L
L 076744	PL.12870	C	Consumer	6.82Y	113.7	0.00	12.34	1.59	0	10	4	93	0.00	0.0	5.114	0.000	10	4	1	1 L
L PL.15200	PL.12869	C	4ACSR	6.84Y	113.9	0.00	12.07	0.79	0	5	2	93	0.00	0.0	4.967	0.005	0	0	0	2 L
L PD.2218	PL.15200	C	fuse6AMP	6.84Y	113.9	0.00	12.07	0.79	13	5	2	93	0.00	0.0	4.967	0.000	0	0	0	2 L
L PL.15201	PD.2218	C	4ACSR	6.84Y	113.9	0.00	12.07	0.79	0	5	2	93	0.00	0.0	5.037	0.070	0	0	0	2 L
L PL.24472	PL.15201	C	4ACSR	6.84Y	113.9	0.00	12.07	0.79	0	5	2	93	0.00	0.0	5.111	0.073	0	0	0	1 L
L 076714	PL.24472	C	Consumer	6.84Y	113.9	0.00	12.07	0.79	0	5	2	93	0.00	0.0	5.111	0.000	5	2	1	1 L
L 076712	PL.15201	C	Consumer	6.84Y	113.9	0.00	12.07	0.00	0	0	0	100	0.00	0.0	5.037	0.000	0	0	1	1 L
L PL.15202	PL.12868	C	4ACSR	6.85Y	114.1	0.00	11.88	2.29	1	15	6	93	0.00	0.0	4.865	0.005	0	0	0	3 L
L PD.2216	PL.15202	C	fuse6AMP	6.85Y	114.1	0.00	11.88	2.29	39	15	6	93	0.00	0.0	4.865	0.000	0	0	0	3 L
L PL.15203	PD.2216	C	4ACSR	6.85Y	114.1	0.00	11.89	2.29	1	15	6	93	0.00	0.0	4.912	0.047	0	0	0	3 L
L 076707	PL.15203	C	Consumer	6.85Y	114.1	0.00	11.89	0.32	0	2	1	89	0.00	0.0	4.912	0.000	2	1	1	1 L
L 076746	PL.15203	C	Consumer	6.85Y	114.1	0.00	11.89	0.63	0	4	2	89	0.00	0.0	4.912	0.000	4	2	1	1 L
L 076734	PL.15203	C	Consumer	6.85Y	114.1	0.00	11.89	0.00	0	0	0	100	0.00	0.0	4.912	0.000	0	0	0	0 L
L PL.40495	PL.15203	C	4ACSR	6.85Y	114.1	0.00	11.89	1.33	1	9	3	95	0.00	0.0	4.964	0.051	0	0	0	1 L
L 0767048	PL.40495	C	Consumer	6.85Y	114.1	0.00	11.89	1.33	0	9	3	95	0.00	0.0	4.964	0.000	9	3	1	1 L
L PL.15204	PL.12867	C	4ACSR	6.86Y	114.4	0.00	11.60	8.24	4	53	20	94	0.00	0.0	4.718	0.006	0	0	0	8 L
L PD.2215	PL.15204	C	fuse6AMP	6.86Y	114.4	0.00	11.60	8.24	141	53	20	94	0.00	0.0	4.718	0.000	0	0	0	8 L
L PL.15205	PD.2215	C	4ACSR	6.86Y	114.4	0.03	11.64	8.24	4	53	20	94	0.01	0.0	4.810	0.091	0	0	0	8 L
L PL.4542	PL.15205	C	4ACSR	6.86Y	114.4	0.01	11.65	2.24	1	14	5	94	0.00	0.0	4.903	0.093	0	0	0	2 L
L 076729	PL.4542	C	Consumer	6.86Y	114.4	0.00	11.65	0.75	0	5	2	93	0.00	0.0	4.903	0.000	5	2	1	1 L
L 076741	PL.4542	C	Consumer	6.86Y	114.4	0.00	11.65	1.49	0	10	4	93	0.00	0.0	4.903	0.000	10	4	1	1 L
L 076706	PL.15205	C	Consumer	6.86Y	114.4	0.00	11.64	1.63	0	10	4	93	0.00	0.0	4.810	0.000	10	4	1	1 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: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
L 076722	PL.15205	C	Consumer	6.86Y	114.4	0.00	11.64	0.00	0	0	0	100	0.00	0.0	4.810	0.000	0	0	1	1 L
L PL.4543	PL.15205	C	4ACSR	6.86Y	114.4	0.01	11.65	4.37	2	28	11	93	0.00	0.0	4.848	0.038	0	0	0	4 L
L PL.4544	PL.4543	C	4ACSR	6.86Y	114.3	0.00	11.65	2.71	1	17	7	92	0.00	0.0	4.887	0.040	0	0	0	3 L
L 076721	PL.4544	C	Consumer	6.86Y	114.3	0.00	11.65	0.96	0	6	2	95	0.00	0.0	4.887	0.000	6	2	1	1 L
L 076720	PL.4544	C	Consumer	6.86Y	114.3	0.00	11.65	0.36	0	2	1	89	0.00	0.0	4.887	0.000	2	1	1	1 L
L 076719	PL.4544	C	Consumer	6.86Y	114.3	0.00	11.65	1.39	0	9	3	95	0.00	0.0	4.887	0.000	9	3	1	1 L
L 076727	PL.4543	C	Consumer	6.86Y	114.4	0.00	11.65	1.66	0	11	4	94	0.00	0.0	4.848	0.000	11	4	1	1 L
L PL.15206	PL.12866	C	4ACSR	6.88Y	114.7	0.00	11.33	0.74	0	5	2	93	0.00	0.0	4.600	0.006	0	0	0	2 L
L PD.2209	PL.15206	C	fuse6AMP	6.88Y	114.7	0.00	11.33	0.74	13	5	2	93	0.00	0.0	4.600	0.000	0	0	0	2 L
L PL.15207	PD.2209	C	4ACSR	6.88Y	114.7	0.00	11.34	0.74	0	5	2	93	0.00	0.0	4.684	0.083	0	0	0	2 L
L PL.24470	PL.15207	C	4ACSR	6.88Y	114.7	0.00	11.34	0.58	0	4	1	97	0.00	0.0	4.730	0.046	0	0	0	1 L
L PL.24471	PL.24470	C	4ACSR	6.88Y	114.7	0.00	11.34	0.58	0	4	1	97	0.00	0.0	4.806	0.077	0	0	0	1 L
L PL.4700	PL.24471	C	4ACSR	6.88Y	114.7	0.00	11.34	0.58	0	4	1	97	0.00	0.0	4.810	0.004	0	0	0	1 L
L PL.4701	PL.4700	C	4ACSR	6.88Y	114.7	0.00	11.34	0.58	0	4	1	97	0.00	0.0	4.864	0.054	0	0	0	1 L
L PL.4697	PL.4701	C	4ACSR	6.88Y	114.7	0.00	11.35	0.58	0	4	1	97	0.00	0.0	5.034	0.170	0	0	0	1 L
L PL.4698	PL.4697	C	4ACSR	6.88Y	114.7	0.00	11.35	0.58	0	4	1	97	0.00	0.0	5.035	0.000	0	0	0	1 L
L PL.4699	PL.4698	C	4ACSR	6.88Y	114.7	0.00	11.35	0.58	0	4	1	97	0.00	0.0	5.135	0.101	0	0	0	1 L
L PL.4696	PL.4699	C	4ACSR	6.88Y	114.6	0.00	11.35	0.58	0	4	1	97	0.00	0.0	5.296	0.161	0	0	0	1 L
L 077703	PL.4696	C	Consumer	6.88Y	114.6	0.00	11.35	0.58	0	4	1	97	0.00	0.0	5.296	0.000	4	1	1	1 L
L PL.4533	PL.15207	C	4ACSR	6.88Y	114.7	0.00	11.34	0.16	0	1	0	100	0.00	0.0	4.733	0.050	0	0	0	1 L
L 076735	PL.4533	C	Consumer	6.88Y	114.7	0.00	11.34	0.16	0	1	0	100	0.00	0.0	4.733	0.000	1	0	1	1 L
L 076713	PL.12863	C	Consumer	6.97Y	116.1	0.00	9.86	0.66	0	4	2	89	0.00	0.0	4.033	0.000	4	2	1	1 L
L 076742	PL.12863	C	Consumer	6.97Y	116.1	0.00	9.86	1.42	0	9	3	95	0.00	0.0	4.033	0.000	9	3	1	1 L
PL.44300	PL.44285	A	2ACSR	7.41Y	123.5	0.00	2.52	5.03	2	33	18	88	0.00	0.0	3.356	0.010	0	0	0	3
		C		7.09Y	118.2	0.00	7.83	3.60	1	22	13	85					0	0	0	1
PD.8398-A	PL.44300	A	Closed	7.41Y	123.5	0.00	2.52	5.03	0	33	18	88	0.00	0.0	3.356	0.000	0	0	0	3
		C		7.09Y	118.2	0.00	7.83	3.60	0	22	13	85					0	0	0	1
PD.8398-B	PD.8398-A	A	Closed	7.41Y	123.5	0.00	2.52	5.03	0	33	18	88	0.00	0.0	3.356	0.000	0	0	0	3
		C		7.09Y	118.2	0.00	7.83	3.60	0	22	13	85					0	0	0	1
PL.44301	PD.8398-B	A	2ACSR	7.41Y	123.5	0.00	2.52	5.03	2	33	18	88	0.00	0.0	3.384	0.028	0	0	0	3
		C		7.09Y	118.2	0.00	7.83	3.60	1	22	13	85					0	0	0	1
PL.44289	PL.44301	A	2ACSR	7.41Y	123.5	0.00	2.52	5.03	2	33	18	88	0.00	0.0	3.393	0.009	0	0	0	3
		C		7.09Y	118.2	0.00	7.83	3.60	1	22	13	85					0	0	0	1
PL.8221	PL.44289	A	2ACSR	7.41Y	123.4	0.04	2.56	5.03	2	33	18	88	0.02	0.0	3.656	0.263	0	0	0	3
		C		7.09Y	118.1	0.03	7.86	3.60	1	22	13	85					0	0	0	1
PL.35546	PL.8221	A	2ACSR	7.41Y	123.4	0.00	2.56	1.16	0	8	3	94	0.00	0.0	3.668	0.012	0	0	0	1
		C		7.09Y	118.1	0.00	7.86	0.00	0	0	0	100					0	0	0	0
PD.5214	PL.35546	A	fuse6AMP	7.41Y	123.4	0.00	2.56	1.16	20	8	3	94	0.00	0.0	3.668	0.000	0	0	0	1
PL.35547	PD.5214	A	4ACSR	7.41Y	123.4	0.01	2.57	1.16	1	8	3	94	0.00	0.0	3.834	0.166	0	0	0	1
076640	PL.35547	A	Consumer	7.41Y	123.4	0.00	2.57	1.16	0	8	3	94	0.00	0.0	3.834	0.000	8	3	1	1
0766044	PL.8221	A	Consumer	7.41Y	123.4	0.00	2.56	0.44	0	3	1	95	0.00	0.0	3.656	0.000	3	1	1	1

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

Unbalanced Voltage Drop Report
Source: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.35548	PL.8221	A	2ACSR	7.41Y	123.4	0.00	2.56	3.45	1	22	13	86	0.00	0.0	3.681	0.025	0	0	0	1
		C		7.09Y	118.1	0.00	7.87	3.60	1	22	13	85					0	0	0	1
PD.5215-A	PL.35548	A	Closed	7.41Y	123.4	0.00	2.56	3.45	0	22	13	86	0.00	0.0	3.681	0.000	0	0	0	1
		C		7.09Y	118.1	0.00	7.87	3.60	0	22	13	85					0	0	0	1
PD.5215-B	PD.5215-A	A	Closed	7.41Y	123.4	0.00	2.56	3.45	0	22	13	86	0.00	0.0	3.681	0.000	0	0	0	1
		C		7.09Y	118.1	0.00	7.87	3.60	0	22	13	85					0	0	0	1
PL.35549	PD.5215-B	A	2ACSR	7.41Y	123.4	0.01	2.57	3.45	1	22	13	86	0.01	0.0	3.827	0.146	0	0	0	1
		C		7.09Y	118.1	0.02	7.89	3.60	1	22	13	85					0	0	0	1
PL.25292	PL.35549	A	2ACSR	7.40Y	123.4	0.04	2.62	3.45	1	22	13	86	0.02	0.0	4.299	0.472	0	0	0	1
		C		7.08Y	118.1	0.06	7.95	3.60	1	22	13	85					0	0	0	1
PL.393	PL.25292	A	2ACSR	7.40Y	123.4	0.02	2.63	3.45	1	22	13	86	0.01	0.0	4.466	0.168	0	0	0	1
		C		7.08Y	118.0	0.02	7.97	3.60	1	22	13	85					0	0	0	1
077601	PL.393	A	Consumer	7.40Y	123.4	0.00	2.63	3.45	0	22	13	86	0.00	0.0	4.466	0.000	22	13	1	1
		C		7.08Y	118.0	0.00	7.97	3.60	0	22	13	85					22	13	1	1
PL.44295	PL.44285	C	2ACSR	7.09Y	118.2	0.00	7.82	1.00	0	7	2	96	0.00	0.0	3.351	0.005	0	0	0	1
PD.8397	PL.44295	C	fuse6AMP	7.09Y	118.2	0.00	7.82	1.00	17	7	2	96	0.00	0.0	3.351	0.000	0	0	0	1
PL.44296	PD.8397	C	2ACSR	7.09Y	118.2	0.00	7.83	1.00	0	7	2	96	0.00	0.0	3.436	0.085	0	0	0	1
0766043	PL.44296	C	Consumer	7.09Y	118.2	0.00	7.83	1.00	0	7	2	96	0.00	0.0	3.436	0.000	7	2	1	1
076631	PL.44294	A	Consumer	7.40Y	123.4	0.00	2.60	1.06	0	7	3	92	0.00	0.0	3.129	0.000	7	3	1	1
076618	PL.44275	A	Consumer	7.40Y	123.4	0.00	2.62	0.26	0	2	1	89	0.00	0.0	3.066	0.000	2	1	1	1
076621	PL.44275	A	Consumer	7.40Y	123.4	0.00	2.62	0.04	0	0	0	100	0.00	0.0	3.066	0.000	0	0	1	1
076620	PL.44275	A	Consumer	7.40Y	123.4	0.00	2.62	0.92	0	6	2	95	0.00	0.0	3.066	0.000	6	2	1	1
PL.44278	PL.44275	A	2ACSR	7.40Y	123.4	0.00	2.62	1.35	1	9	4	91	0.00	0.0	3.073	0.006	0	0	0	1
PD.8394	PL.44278	A	fuse6AMP	7.40Y	123.4	0.00	2.62	1.35	23	9	4	91	0.00	0.0	3.073	0.000	0	0	0	1
PL.44279	PD.8394	A	2ACSR	7.40Y	123.4	0.00	2.63	1.35	1	9	4	91	0.00	0.0	3.137	0.064	0	0	0	1
PL.39265	PL.44279	A	2ACSR	7.40Y	123.4	0.00	2.63	1.35	1	9	4	91	0.00	0.0	3.163	0.026	0	0	0	1
PL.39263	PL.39265	A	2ACSR	7.40Y	123.4	0.00	2.63	0.00	0	0	0	100	0.00	0.0	3.252	0.089	0	0	0	0
PL.44212	PL.39265	A	2ACSR	7.40Y	123.4	0.00	2.63	1.35	1	9	4	91	0.00	0.0	3.187	0.024	0	0	0	1
PL.44211	PL.44212	A	2ACSR	7.40Y	123.4	0.01	2.63	1.35	1	9	4	91	0.00	0.0	3.306	0.118	0	0	0	1
PL.39262	PL.44211	A	2ACSR	7.40Y	123.4	0.00	2.64	1.35	1	9	4	91	0.00	0.0	3.359	0.053	0	0	0	1
076616	PL.39262	A	Consumer	7.40Y	123.4	0.00	2.64	1.35	0	9	4	91	0.00	0.0	3.359	0.000	9	4	1	1
PL.4554	PL.39262	A	4ACSR	7.40Y	123.4	0.00	2.64	0.00	0	0	0	100	0.00	0.0	3.396	0.037	0	0	0	0
0766047	PL.4554	A	Consumer	7.40Y	123.4	0.00	2.64	0.00	0	0	0	100	0.00	0.0	3.396	0.000	0	0	0	0
0766046	PL.4554	A	Consumer	7.40Y	123.4	0.00	2.64	0.00	0	0	0	100	0.00	0.0	3.396	0.000	0	0	0	0
0766045	PL.44212	A	Consumer	7.40Y	123.4	0.00	2.63	0.00	0	0	0	100	0.00	0.0	3.187	0.000	0	0	0	0
076629	PL.44269	A	Consumer	7.40Y	123.4	0.00	2.65	0.64	0	4	2	89	0.00	0.0	2.984	0.000	4	2	1	1
076602	PL.44266	A	Consumer	7.39Y	123.2	0.00	2.77	0.87	0	6	2	95	0.00	0.0	2.539	0.000	6	2	1	1
076630	PL.44266	A	Consumer	7.39Y	123.2	0.00	2.77	0.01	0	0	0	100	0.00	0.0	2.539	0.000	0	0	1	1
PL.15231	PL.12819	A	4ACSR	7.39Y	123.2	0.01	2.82	19.42	10	134	51	93	0.01	0.0	2.342	0.006	0	0	0	27
PD.3434	PL.15231	A	25V4E	7.39Y	123.2	0.00	2.82	19.42	78	134	51	93	0.00	0.0	2.342	0.000	0	0	0	27
PL.15232	PD.3434	A	4ACSR	7.39Y	123.2	0.02	2.84	19.42	10	134	51	93	0.02	0.0	2.361	0.020	0	0	0	27
PL.12820	PL.15232	A	4ACSR	7.38Y	122.9	0.21	3.05	19.42	10	134	51	93	0.22	0.2	2.601	0.240	0	0	0	27

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

Unbalanced Voltage Drop Report
Source: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
075520	PL.12820	A	Consumer	7.38Y	122.9	0.00	3.05	0.95	0	7	2	96	0.00	0.0	2.601	0.000	7	2	1	1
PL.12821	PL.12820	A	4ACSR	7.37Y	122.8	0.10	3.15	12.68	7	88	33	94	0.06	0.1	2.770	0.169	0	0	0	19
PL.35542	PL.12821	A	4ACSR	7.37Y	122.8	0.00	3.15	1.30	1	9	3	95	0.00	0.0	2.781	0.012	0	0	0	1
PD.5212	PL.35542	A	fuse6AMP	7.37Y	122.8	0.00	3.15	1.30	22	9	3	95	0.00	0.0	2.781	0.000	0	0	0	1
PL.35543	PD.5212	A	4ACSR	7.37Y	122.8	0.01	3.16	1.30	1	9	3	95	0.00	0.0	2.886	0.105	0	0	0	1
0755119	PL.35543	A	Consumer	7.37Y	122.8	0.00	3.16	0.00	0	0	0	100	0.00	0.0	2.886	0.000	0	0	0	0
PL.4988	PL.35543	A	4ACSR	7.37Y	122.8	0.01	3.16	1.30	1	9	3	95	0.00	0.0	2.978	0.092	0	0	0	1
075587	PL.4988	A	Consumer	7.37Y	122.8	0.00	3.16	1.30	0	9	3	95	0.00	0.0	2.978	0.000	9	3	1	1
PL.12822	PL.12821	A	4ACSR	7.37Y	122.8	0.02	3.17	10.00	5	69	26	94	0.01	0.0	2.812	0.043	0	0	0	16
PL.8262	PL.12822	A	4ACSR	7.37Y	122.8	0.02	3.20	9.45	5	65	25	93	0.01	0.0	2.867	0.055	0	0	0	15
075508	PL.8262	A	Consumer	7.37Y	122.8	0.00	3.20	0.27	0	2	1	89	0.00	0.0	2.867	0.000	2	1	1	1
PL.8263	PL.8262	A	4ACSR	7.37Y	122.8	0.00	3.20	1.10	1	8	3	94	0.00	0.0	2.915	0.048	0	0	0	4
PL.8264	PL.8263	A	4ACSR	7.37Y	122.8	0.00	3.20	0.80	0	6	2	95	0.00	0.0	2.949	0.034	0	0	0	2
PL.4959	PL.8264	A	4ACSR	7.37Y	122.8	0.00	3.20	0.00	0	0	0	100	0.00	0.0	3.022	0.072	0	0	0	0
075537	PL.4959	A	Consumer	7.37Y	122.8	0.00	3.20	0.00	0	0	0	100	0.00	0.0	3.022	0.000	0	0	0	0
075507	PL.8264	A	Consumer	7.37Y	122.8	0.00	3.20	0.08	0	1	0	100	0.00	0.0	2.949	0.000	1	0	1	1
0755108	PL.8264	A	Consumer	7.37Y	122.8	0.00	3.20	0.72	0	5	2	93	0.00	0.0	2.949	0.000	5	2	1	1
075542	PL.8263	A	Consumer	7.37Y	122.8	0.00	3.20	0.29	0	2	1	89	0.00	0.0	2.915	0.000	2	1	1	1
075523	PL.8263	A	Consumer	7.37Y	122.8	0.00	3.20	0.01	0	0	0	100	0.00	0.0	2.915	0.000	0	0	1	1
PL.35544	PL.8262	A	4ACSR	7.37Y	122.8	0.00	3.20	8.08	4	56	21	94	0.00	0.0	2.875	0.008	0	0	0	10
PL.37749	PL.35544	A	4ACSR	7.37Y	122.8	0.00	3.20	8.08	4	56	21	94	0.00	0.0	2.885	0.009	0	0	0	10
PD.6219-A	PL.37749	A	Closed	7.37Y	122.8	0.00	3.20	8.08	0	56	21	94	0.00	0.0	2.885	0.000	0	0	0	10
PD.6219-B	PD.6219-A	A	Closed	7.37Y	122.8	0.00	3.20	8.08	0	56	21	94	0.00	0.0	2.885	0.000	0	0	0	10
PL.37750	PD.6219-B	A	4ACSR	7.37Y	122.8	0.02	3.22	8.08	4	56	21	94	0.01	0.0	2.942	0.057	0	0	0	10
075562	PL.37750	A	Consumer	7.37Y	122.8	0.00	3.22	0.86	0	6	2	95	0.00	0.0	2.942	0.000	6	2	1	1
075565	PL.37750	A	Consumer	7.37Y	122.8	0.00	3.22	0.02	0	0	0	100	0.00	0.0	2.942	0.000	0	0	1	1
PL.4960	PL.37750	A	4ACSR	7.37Y	122.8	0.01	3.24	7.20	4	50	19	93	0.01	0.0	2.987	0.045	0	0	0	8
PL.4961	PL.4960	A	4ACSR	7.36Y	122.7	0.02	3.25	7.20	4	50	19	93	0.01	0.0	3.033	0.047	0	0	0	8
PL.4962	PL.4961	A	4ACSR	7.36Y	122.7	0.02	3.27	6.57	3	45	17	94	0.01	0.0	3.094	0.060	0	0	0	7
075589	PL.4962	A	Consumer	7.36Y	122.7	0.00	3.27	0.57	0	4	1	97	0.00	0.0	3.094	0.000	4	1	1	1
PL.4963	PL.4962	A	4ACSR	7.36Y	122.7	0.01	3.28	6.00	3	41	16	93	0.00	0.0	3.128	0.034	0	0	0	6
0755102	PL.4963	A	Consumer	7.36Y	122.7	0.00	3.28	1.11	0	8	3	94	0.00	0.0	3.128	0.000	8	3	1	1
075581	PL.4963	A	Consumer	7.36Y	122.7	0.00	3.28	1.45	0	10	4	93	0.00	0.0	3.128	0.000	10	4	1	1
075564	PL.4963	A	Consumer	7.36Y	122.7	0.00	3.28	1.20	0	8	3	94	0.00	0.0	3.128	0.000	8	3	1	1
PL.4966	PL.4963	A	4ACSR	7.36Y	122.7	0.00	3.28	2.23	1	15	6	93	0.00	0.0	3.168	0.040	0	0	0	3
075580	PL.4966	A	Consumer	7.36Y	122.7	0.00	3.28	1.02	0	7	3	92	0.00	0.0	3.168	0.000	7	3	1	1
075593	PL.4966	A	Consumer	7.36Y	122.7	0.00	3.28	0.93	0	6	2	95	0.00	0.0	3.168	0.000	6	2	1	1
075597	PL.4966	A	Consumer	7.36Y	122.7	0.00	3.28	0.28	0	2	1	89	0.00	0.0	3.168	0.000	2	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: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.4987	PL.4961	A	4ACSR	7.36Y	122.7	0.00	3.25	0.63	0	4	2	89	0.00	0.0	3.083	0.050	0	0	0	1
075586	PL.4987	A	Consumer	7.36Y	122.7	0.00	3.25	0.63	0	4	2	89	0.00	0.0	3.083	0.000	4	2	1	1
075561	PL.12822	A	Consumer	7.37Y	122.8	0.00	3.17	0.55	0	4	1	97	0.00	0.0	2.812	0.000	4	1	1	1
075555	PL.12821	A	Consumer	7.37Y	122.8	0.00	3.15	0.99	0	7	3	92	0.00	0.0	2.770	0.000	7	3	1	1
075566	PL.12821	A	Consumer	7.37Y	122.8	0.00	3.15	0.39	0	3	1	95	0.00	0.0	2.770	0.000	3	1	1	1
075588	PL.12821	A	Consumer	7.37Y	122.8	0.00	3.15	0.00	0	0	0	100	0.00	0.0	2.770	0.000	0	0	0	0
PL.34929	PL.12820	A	4ACSR	7.38Y	122.9	0.00	3.05	0.00	0	0	0	100	0.00	0.0	2.610	0.009	0	0	0	0
PD.5013	PL.34929	A	fuse6AMP	7.38Y	122.9	0.00	3.05	0.00	0	0	0	100	0.00	0.0	2.610	0.000	0	0	0	0
PL.34928	PD.5013	A	4ACSR	7.38Y	122.9	0.00	3.05	0.00	0	0	0	100	0.00	0.0	2.694	0.084	0	0	0	0
075509	PL.34928	A	Consumer	7.38Y	122.9	0.00	3.05	0.00	0	0	0	100	0.00	0.0	2.694	0.000	0	0	0	0
PL.4950	PL.34928	A	4ACSR	7.38Y	122.9	0.00	3.05	0.00	0	0	0	100	0.00	0.0	2.752	0.057	0	0	0	0
PL.4956	PL.4950	A	4ACSR	7.38Y	122.9	0.00	3.05	0.00	0	0	0	100	0.00	0.0	2.809	0.058	0	0	0	0
075559	PL.4956	A	Consumer	7.38Y	122.9	0.00	3.05	0.00	0	0	0	100	0.00	0.0	2.809	0.000	0	0	0	0
PL.34930	PL.12820	A	4ACSR	7.38Y	122.9	0.01	3.06	5.79	3	40	15	94	0.00	0.0	2.622	0.021	0	0	0	7
C PD.5014	PL.34930	A	fuse6AMP	7.38Y	122.9	0.00	3.06	5.79	99	40	15	94	0.00	0.0	2.622	0.000	0	0	0	7 C
PL.34931	PD.5014	A	4ACSR	7.37Y	122.9	0.03	3.09	5.79	3	40	15	94	0.01	0.0	2.752	0.131	0	0	0	7
PL.4955	PL.34931	A	4ACSR	7.37Y	122.9	0.00	3.10	1.31	1	9	3	95	0.00	0.0	2.818	0.065	0	0	0	2
075511	PL.4955	A	Consumer	7.37Y	122.9	0.00	3.10	0.31	0	2	1	89	0.00	0.0	2.818	0.000	2	1	1	1
075577	PL.4955	A	Consumer	7.37Y	122.9	0.00	3.10	1.00	0	7	3	92	0.00	0.0	2.818	0.000	7	3	1	1
PL.4953	PL.34931	A	4ACSR	7.37Y	122.9	0.00	3.09	0.56	0	4	1	97	0.00	0.0	2.776	0.024	0	0	0	1
075519	PL.4953	A	Consumer	7.37Y	122.9	0.00	3.09	0.56	0	4	1	97	0.00	0.0	2.776	0.000	4	1	1	1
PL.4954	PL.34931	A	4ACSR	7.37Y	122.9	0.01	3.10	3.92	2	27	10	94	0.00	0.0	2.811	0.058	0	0	0	4
PL.8260	PL.4954	A	4ACSR	7.37Y	122.9	0.01	3.11	3.92	2	27	10	94	0.00	0.0	2.860	0.049	0	0	0	4
PL.45420	PL.8260	A	2ACSR	7.37Y	122.9	0.00	3.11	0.20	0	1	1	71	0.00	0.0	2.900	0.040	0	0	0	1
075576	PL.45420	A	Consumer	7.37Y	122.9	0.00	3.11	0.20	0	1	1	71	0.00	0.0	2.900	0.000	1	1	1	1
PL.8261	PL.8260	A	4ACSR	7.37Y	122.9	0.00	3.12	3.72	2	26	10	93	0.00	0.0	2.869	0.009	0	0	0	3
PL.4948	PL.8261	A	4ACSR	7.37Y	122.9	0.01	3.12	3.72	2	26	10	93	0.00	0.0	2.927	0.058	0	0	0	3
PL.4949	PL.4948	A	4ACSR	7.37Y	122.9	0.01	3.14	3.72	2	26	10	93	0.00	0.0	3.005	0.078	0	0	0	3
075536	PL.4949	A	Consumer	7.37Y	122.9	0.00	3.14	1.84	0	13	5	93	0.00	0.0	3.005	0.000	13	5	1	1
PL.4990	PL.4949	A	4ACSR	7.37Y	122.8	0.01	3.15	1.88	1	13	5	93	0.00	0.0	3.145	0.140	0	0	0	2
075591	PL.4990	A	Consumer	7.37Y	122.8	0.00	3.15	0.86	0	6	2	95	0.00	0.0	3.145	0.000	6	2	1	1
PL.5013	PL.4990	A	4ACSR	7.37Y	122.8	0.01	3.16	1.02	1	7	3	92	0.00	0.0	3.275	0.131	0	0	0	1
0755100	PL.5013	A	Consumer	7.37Y	122.8	0.00	3.16	1.02	0	7	3	92	0.00	0.0	3.275	0.000	7	3	1	1
PL.4350	PL.12819	A	4ACSR	7.39Y	123.2	0.00	2.82	0.58	0	4	2	89	0.00	0.0	2.371	0.035	0	0	0	1
076637	PL.4350	A	Consumer	7.39Y	123.2	0.00	2.82	0.58	0	4	2	89	0.00	0.0	2.371	0.000	4	2	1	1
PL.15229	PL.15226	A	4ACSR	7.39Y	123.2	0.00	2.78	4.59	2	32	12	94	0.00	0.0	2.170	0.005	0	0	0	4
PD.2208	PL.15229	A	fuse6AMP	7.39Y	123.2	0.00	2.78	4.59	78	32	12	94	0.00	0.0	2.170	0.000	0	0	0	4
PL.15230	PD.2208	A	4ACSR	7.39Y	123.2	0.01	2.79	4.59	2	32	12	94	0.00	0.0	2.220	0.050	0	0	0	4

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: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
075623	PL.15230	A	Consumer	7.39Y	123.2	0.00	2.79	1.32	0	9	3	95	0.00	0.0	2.220	0.000	9	3	1	1	
075622	PL.15230	A	Consumer	7.39Y	123.2	0.00	2.79	1.08	0	7	3	92	0.00	0.0	2.220	0.000	7	3	1	1	
075621	PL.15230	A	Consumer	7.39Y	123.2	0.00	2.79	2.16	0	15	6	93	0.00	0.0	2.220	0.000	15	6	1	1	
PL.4340	PL.15230	A	4ACSR	7.39Y	123.2	0.00	2.79	0.03	0	0	0	100	0.00	0.0	2.283	0.063	0	0	0	1	
075640	PL.4340	A	Consumer	7.39Y	123.2	0.00	2.79	0.03	0	0	0	100	0.00	0.0	2.283	0.000	0	0	1	1	
PL.15223	PL.12817	C	4ACSR	7.28Y	121.4	0.00	4.61	5.20	3	35	14	93	0.00	0.0	1.967	0.006	0	0	0	7	
C PD.2205	PL.15223	C	fuse6AMP	7.28Y	121.4	0.00	4.61	5.20	89	35	14	93	0.00	0.0	1.967	0.000	0	0	0	7	C
PL.15224	PD.2205	C	4ACSR	7.28Y	121.4	0.02	4.62	5.20	3	35	14	93	0.00	0.0	2.036	0.068	0	0	0	7	
PL.25239	PL.15224	C	4ACSR	7.28Y	121.4	0.01	4.63	2.32	1	16	7	92	0.00	0.0	2.090	0.054	0	0	0	5	
075625	PL.25239	C	Consumer	7.28Y	121.4	0.00	4.63	0.56	0	4	1	97	0.00	0.0	2.090	0.000	4	1	1	1	
PL.25240	PL.25239	C	4ACSR	7.28Y	121.4	0.02	4.65	1.77	1	12	5	92	0.00	0.0	2.293	0.203	0	0	0	4	
076604	PL.25240	C	Consumer	7.28Y	121.4	0.00	4.65	0.90	0	6	3	89	0.00	0.0	2.293	0.000	6	3	1	1	
PL.4339	PL.25240	C	4ACSR	7.28Y	121.4	0.00	4.65	0.87	0	6	2	95	0.00	0.0	2.354	0.061	0	0	0	3	
PL.4347	PL.4339	C	4ACSR	7.28Y	121.4	0.00	4.65	0.07	0	1	0	100	0.00	0.0	2.402	0.048	0	0	0	2	
076632	PL.4347	C	Consumer	7.28Y	121.4	0.00	4.65	0.00	0	0	0	100	0.00	0.0	2.402	0.000	0	0	1	1	
076636	PL.4347	C	Consumer	7.28Y	121.4	0.00	4.65	0.07	0	1	0	100	0.00	0.0	2.402	0.000	1	0	1	1	
PL.4338	PL.4339	C	4ACSR	7.28Y	121.3	0.00	4.65	0.80	0	5	2	93	0.00	0.0	2.429	0.075	0	0	0	1	
076623	PL.4338	C	Consumer	7.28Y	121.3	0.00	4.65	0.80	0	5	2	93	0.00	0.0	2.429	0.000	5	2	1	1	
075614	PL.15224	C	Consumer	7.28Y	121.4	0.00	4.62	1.40	0	10	4	93	0.00	0.0	2.036	0.000	10	4	1	1	
PL.4470	PL.15224	C	4ACSR	7.28Y	121.4	0.00	4.63	1.47	1	10	4	93	0.00	0.0	2.069	0.034	0	0	0	1	
PL.4471	PL.4470	C	4ACSR	7.28Y	121.4	0.00	4.63	1.47	1	10	4	93	0.00	0.0	2.117	0.047	0	0	0	1	
075667	PL.4471	C	Consumer	7.28Y	121.4	0.00	4.63	1.47	0	10	4	93	0.00	0.0	2.117	0.000	10	4	1	1	
PL.15221	PL.12817	B	4ACSR	7.45Y	124.2	0.00	1.83	0.96	0	7	3	92	0.00	0.0	1.967	0.005	0	0	0	1	
PD.2206	PL.15221	B	fuse6AMP	7.45Y	124.2	0.00	1.83	0.96	16	7	3	92	0.00	0.0	1.967	0.000	0	0	0	1	
PL.15222	PD.2206	B	4ACSR	7.45Y	124.2	0.00	1.83	0.96	0	7	3	92	0.00	0.0	2.041	0.073	0	0	0	1	
075624	PL.15222	B	Consumer	7.45Y	124.2	0.00	1.83	0.96	0	7	3	92	0.00	0.0	2.041	0.000	7	3	1	1	
PL.44164	PL.12816	A	4ACSR	7.40Y	123.3	0.00	2.65	0.00	0	0	0	100	0.00	0.0	1.779	0.011	0	0	0	0	
PD.516-A	PL.44164	A	Open	7.40Y	123.3	0.00	2.65	0.00	0	0	0	100	0.00	0.0	1.779	0.000	0	0	0	0	
PL.15233	PL.12815	A	4ACSR	7.40Y	123.4	0.00	2.59	5.28	3	36	16	91	0.00	0.0	1.542	0.005	0	0	0	9	
C PD.2203	PL.15233	A	fuse6AMP	7.40Y	123.4	0.00	2.59	5.28	90	36	16	91	0.00	0.0	1.542	0.000	0	0	0	9	C
PL.15234	PD.2203	A	4ACSR	7.40Y	123.4	0.04	2.63	5.28	3	36	16	91	0.01	0.0	1.703	0.161	0	0	0	9	
PL.25241	PL.15234	A	4ACSR	7.40Y	123.4	0.00	2.63	4.59	2	31	14	91	0.00	0.0	1.722	0.019	0	0	0	6	
PL.4341	PL.25241	A	4ACSR	7.40Y	123.4	0.01	2.64	2.02	1	14	5	94	0.00	0.0	1.789	0.067	0	0	0	3	
075628	PL.4341	A	Consumer	7.40Y	123.4	0.00	2.64	0.96	0	7	3	92	0.00	0.0	1.789	0.000	7	3	1	1	
075661	PL.4341	A	Consumer	7.40Y	123.4	0.00	2.64	0.21	0	1	1	71	0.00	0.0	1.789	0.000	1	1	1	1	
075665	PL.4341	A	Consumer	7.40Y	123.4	0.00	2.64	0.00	0	0	0	100	0.00	0.0	1.789	0.000	0	0	0	0	
075657	PL.4341	A	Consumer	7.40Y	123.4	0.00	2.64	0.85	0	6	2	95	0.00	0.0	1.789	0.000	6	2	1	1	
075662	PL.25241	A	Consumer	7.40Y	123.4	0.00	2.63	0.56	0	4	2	89	0.00	0.0	1.722	0.000	3	1	1	2	

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: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
0756070	075662	A	Consumer	7.40Y	123.4	0.00	2.63	0.16	0	1	1	71	0.00	0.0	1.722	0.000	1	1	1	1
075611	PL.25241	A	Consumer	7.40Y	123.4	0.00	2.63	2.02	0	13	7	88	0.00	0.0	1.722	0.000	13	7	1	1
075615	PL.15234	A	Consumer	7.40Y	123.4	0.00	2.63	0.23	0	2	1	89	0.00	0.0	1.703	0.000	2	1	1	1
075605	PL.15234	A	Consumer	7.40Y	123.4	0.00	2.63	0.42	0	3	1	95	0.00	0.0	1.703	0.000	3	1	1	1
075606	PL.15234	A	Consumer	7.40Y	123.4	0.00	2.63	0.04	0	0	0	100	0.00	0.0	1.703	0.000	0	0	1	1
PL.15235	PL.12814	A	4ACSR	7.41Y	123.5	0.00	2.55	0.42	0	3	1	95	0.00	0.0	1.459	0.006	0	0	0	1
PD.2204	PL.15235	A	fuse6AMP	7.41Y	123.5	0.00	2.55	0.42	7	3	1	95	0.00	0.0	1.459	0.000	0	0	0	1
PL.15236	PD.2204	A	4ACSR	7.41Y	123.4	0.00	2.55	0.42	0	3	1	95	0.00	0.0	1.514	0.055	0	0	0	1
075603	PL.15236	A	Consumer	7.41Y	123.4	0.00	2.55	0.42	0	3	1	95	0.00	0.0	1.514	0.000	3	1	1	1
PL.26675	PL.26678	A	4ACSR	7.41Y	123.6	0.00	2.44	2.09	1	14	5	94	0.00	0.0	1.225	0.005	0	0	0	4
PD.2219	PL.26675	A	fuse6AMP	7.41Y	123.6	0.00	2.44	2.09	36	14	5	94	0.00	0.0	1.225	0.000	0	0	0	4
PL.26676	PD.2219	A	4ACSR	7.41Y	123.6	0.01	2.44	2.09	1	14	5	94	0.00	0.0	1.278	0.053	0	0	0	4
PL.25245	PL.26676	A	4ACSR	7.41Y	123.6	0.00	2.44	0.82	0	6	2	95	0.00	0.0	1.348	0.070	0	0	0	2
075613	PL.25245	A	Consumer	7.41Y	123.6	0.00	2.44	0.46	0	3	1	95	0.00	0.0	1.348	0.000	3	1	1	1
075626	PL.25245	A	Consumer	7.41Y	123.6	0.00	2.44	0.36	0	3	1	95	0.00	0.0	1.348	0.000	3	1	1	1
075660	PL.26676	A	Consumer	7.41Y	123.6	0.00	2.44	0.67	0	5	2	93	0.00	0.0	1.278	0.000	5	2	1	1
075637	PL.26676	A	Consumer	7.41Y	123.6	0.00	2.44	0.60	0	4	2	89	0.00	0.0	1.278	0.000	4	2	1	1
075609	PL.26676	A	Consumer	7.41Y	123.6	0.00	2.44	0.00	0	0	0	100	0.00	0.0	1.278	0.000	0	0	0	0
075630	PL.26676	A	Consumer	7.41Y	123.6	0.00	2.44	0.00	0	0	0	100	0.00	0.0	1.278	0.000	0	0	0	0
075658	PL.26678	A	Consumer	7.41Y	123.6	0.00	2.44	0.90	0	6	2	95	0.00	0.0	1.220	0.000	6	2	1	1
PL.40396	PL.26678	A	2ACSR	7.41Y	123.6	0.00	2.44	1.43	1	10	4	93	0.00	0.0	1.250	0.030	0	0	0	2
0756072	PL.40396	A	Consumer	7.41Y	123.6	0.00	2.44	0.00	0	0	0	100	0.00	0.0	1.250	0.000	0	0	1	1
0756071	PL.40396	A	Consumer	7.41Y	123.6	0.00	2.44	1.43	0	10	4	93	0.00	0.0	1.250	0.000	10	4	1	1
PL.4344	PL.12805	A	1/0ACSR	7.42Y	123.7	0.00	2.34	0.00	0	0	0	100	0.00	0.0	1.134	0.073	0	0	0	0
		B		7.53Y	125.5	0.00	0.51	0.00	0	0	0	100					0	0	0	0
		C		7.41Y	123.5	0.00	2.52	0.00	0	0	0	100					0	0	0	0
PL.384	PL.18185	A	4ACSR	7.41Y	123.5	0.18	2.46	81.22	42	563	215	93	0.75	0.1	1.032	0.048	0	0	0	113
PL.391	PL.384	A	4ACSR	7.39Y	123.2	0.33	2.79	81.22	42	562	215	93	1.39	0.2	1.120	0.088	0	0	0	113
PL.12784	PL.391	A	4ACSR	7.39Y	123.2	0.03	2.82	81.22	42	561	214	93	0.13	0.0	1.128	0.008	0	0	0	113
PL.26681	PL.12784	A	4ACSR	7.39Y	123.2	0.00	2.82	1.93	1	13	5	93	0.00	0.0	1.134	0.006	0	0	0	2
PD.1753	PL.26681	A	fuse6AMP	7.39Y	123.2	0.00	2.82	1.93	33	13	5	93	0.00	0.0	1.134	0.000	0	0	0	2
PL.15241	PD.1753	A	4ACSR	7.39Y	123.2	0.01	2.83	1.93	1	13	5	93	0.00	0.0	1.219	0.085	0	0	0	2
075575	PL.15241	A	Consumer	7.39Y	123.2	0.00	2.83	0.79	0	5	2	93	0.00	0.0	1.219	0.000	5	2	1	1
0755111	PL.15241	A	Consumer	7.39Y	123.2	0.00	2.83	1.14	0	8	3	94	0.00	0.0	1.219	0.000	8	3	1	1
PL.12785	PL.12784	A	4ACSR	7.38Y	122.9	0.23	3.05	79.29	41	548	209	93	0.96	0.2	1.192	0.064	0	0	0	111
PL.15242	PL.12785	A	4ACSR	7.38Y	122.9	0.00	3.05	1.07	1	7	3	92	0.00	0.0	1.198	0.006	0	0	0	2
PD.1755	PL.15242	A	fuse6AMP	7.38Y	122.9	0.00	3.05	1.07	18	7	3	92	0.00	0.0	1.198	0.000	0	0	0	2
PL.15243	PD.1755	A	4ACSR	7.38Y	122.9	0.00	3.06	1.07	1	7	3	92	0.00	0.0	1.296	0.098	0	0	0	2
075516	PL.15243	A	Consumer	7.38Y	122.9	0.00	3.06	0.41	0	3	1	95	0.00	0.0	1.296	0.000	3	1	1	1

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

Unbalanced Voltage Drop Report
Source: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.4986	PL.15243	A	4ACSR	7.38Y	122.9	0.00	3.06	0.66	0	5	2	93	0.00	0.0	1.398	0.101	0	0	0	1
075528	PL.4986	A	Consumer	7.38Y	122.9	0.00	3.06	0.66	0	5	2	93	0.00	0.0	1.398	0.000	5	2	1	1
PL.4985	PL.12785	A	4ACSR	7.38Y	122.9	0.00	3.05	0.00	0	0	0	100	0.00	0.0	1.205	0.013	0	0	0	0
PL.12786	PL.12785	A	4ACSR	7.36Y	122.7	0.25	3.30	75.82	39	523	199	93	1.00	0.2	1.265	0.073	0	0	0	107
PL.27961	PL.12786	A	4ACSR	7.35Y	122.4	0.25	3.56	73.87	38	508	194	93	0.97	0.2	1.339	0.074	0	0	0	104
0755115	PL.27961	A	Consumer	7.35Y	122.4	0.00	3.56	0.00	0	0	0	100	0.00	0.0	1.339	0.000	0	0	0	0
075546	PL.27961	A	Consumer	7.35Y	122.4	0.00	3.56	1.16	0	8	3	94	0.00	0.0	1.339	0.000	8	3	1	1
PL.27962	PL.27961	A	4ACSR	7.34Y	122.4	0.08	3.64	72.71	37	499	190	93	0.30	0.1	1.363	0.024	0	0	0	103
PL.18680	PL.27962	A	4ACSR	7.34Y	122.3	0.06	3.70	71.87	37	493	188	93	0.23	0.0	1.382	0.019	0	0	0	102
PL.18681	PL.18680	A	4ACSR	7.32Y	122.0	0.28	3.98	71.01	37	487	185	93	1.03	0.2	1.467	0.086	0	0	0	101
PL.12787	PL.18681	A	4ACSR	7.32Y	122.0	0.01	3.98	70.30	36	481	183	93	0.02	0.0	1.469	0.002	0	0	0	99
PL.34903	PL.12787	A	4ACSR	7.32Y	122.0	0.00	3.98	2.03	1	14	5	94	0.00	0.0	1.479	0.010	0	0	0	2
PD.5002	PL.34903	A	fuse6AMP	7.32Y	122.0	0.00	3.98	2.03	35	14	5	94	0.00	0.0	1.479	0.000	0	0	0	2
PL.34904	PD.5002	A	4ACSR	7.32Y	122.0	0.00	3.98	2.03	1	14	5	94	0.00	0.0	1.516	0.038	0	0	0	2
075592	PL.34904	A	Consumer	7.32Y	122.0	0.00	3.98	1.10	0	8	3	94	0.00	0.0	1.516	0.000	8	3	1	1
075596	PL.34904	A	Consumer	7.32Y	122.0	0.00	3.98	0.93	0	6	2	95	0.00	0.0	1.516	0.000	6	2	1	1
PL.12788	PL.12787	A	4ACSR	7.30Y	121.7	0.34	4.32	68.27	35	467	178	93	1.22	0.3	1.578	0.109	0	0	0	97
075539	PL.12788	A	Consumer	7.30Y	121.7	0.00	4.32	0.27	0	2	1	89	0.00	0.0	1.578	0.000	2	1	1	1
075547	PL.12788	A	Consumer	7.30Y	121.7	0.00	4.32	0.00	0	0	0	100	0.00	0.0	1.578	0.000	0	0	0	0
0755118	PL.12788	A	Consumer	7.30Y	121.7	0.00	4.32	0.00	0	0	0	100	0.00	0.0	1.578	0.000	0	0	0	0
PL.8265	PL.12788	A	4ACSR	7.29Y	121.5	0.15	4.47	68.00	35	464	176	93	0.54	0.1	1.627	0.049	0	0	0	96
PL.34909	PL.8265	A	4ACSR	7.29Y	121.5	0.00	4.48	9.35	5	64	24	94	0.00	0.0	1.638	0.011	0	0	0	8
C PD.1757	PL.34909	A	fuse6AMP	7.29Y	121.5	0.00	4.48	9.35	160	64	24	94	0.00	0.0	1.638	0.000	0	0	0	8 C
PL.34908	PD.1757	A	4ACSR	7.29Y	121.5	0.02	4.50	9.35	5	64	24	94	0.01	0.0	1.679	0.041	0	0	0	8
PL.4982	PL.34908	A	4ACSR	7.29Y	121.5	0.02	4.52	9.35	5	64	24	94	0.01	0.0	1.737	0.058	0	0	0	8
075571	PL.4982	A	Consumer	7.29Y	121.5	0.00	4.52	1.15	0	8	3	94	0.00	0.0	1.737	0.000	8	3	1	1
075548	PL.4982	A	Consumer	7.29Y	121.5	0.00	4.52	1.79	0	12	5	92	0.00	0.0	1.737	0.000	12	5	1	1
075538	PL.4982	A	Consumer	7.29Y	121.5	0.00	4.52	0.00	0	0	0	100	0.00	0.0	1.737	0.000	0	0	0	0
075505	PL.4982	A	Consumer	7.29Y	121.5	0.00	4.52	1.11	0	8	3	94	0.00	0.0	1.737	0.000	8	3	1	1
075549	PL.4982	A	Consumer	7.29Y	121.5	0.00	4.52	0.00	0	0	0	100	0.00	0.0	1.737	0.000	0	0	0	0
075567	PL.4982	A	Consumer	7.29Y	121.5	0.00	4.52	1.24	0	8	3	94	0.00	0.0	1.737	0.000	8	3	1	1
PL.4983	PL.4982	A	4ACSR	7.29Y	121.5	0.01	4.54	4.06	2	28	10	94	0.00	0.0	1.810	0.073	0	0	0	4
075574	PL.4983	A	Consumer	7.29Y	121.5	0.00	4.54	0.47	0	3	1	95	0.00	0.0	1.810	0.000	3	1	1	1
PL.4984	PL.4983	A	4ACSR	7.29Y	121.5	0.01	4.54	3.59	2	24	9	94	0.00	0.0	1.842	0.032	0	0	0	3
PL.5012	PL.4984	A	4ACSR	7.29Y	121.5	0.00	4.54	1.59	1	11	4	94	0.00	0.0	1.879	0.037	0	0	0	1
075598	PL.5012	A	Consumer	7.29Y	121.5	0.00	4.54	1.59	0	11	4	94	0.00	0.0	1.879	0.000	11	4	1	1
0755116	PL.4984	A	Consumer	7.29Y	121.5	0.00	4.54	0.78	0	5	2	93	0.00	0.0	1.842	0.000	5	2	1	1
075582	PL.4984	A	Consumer	7.29Y	121.5	0.00	4.54	1.22	0	8	3	94	0.00	0.0	1.842	0.000	8	3	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: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.8272	PL.8265	A	4ACSR	7.28Y	121.4	0.16	4.64	58.16	30	396	151	93	0.49	0.1	1.688	0.060	0	0	0	86
075527	PL.8272	A	Consumer	7.28Y	121.4	0.00	4.64	0.09	0	1	0	100	0.00	0.0	1.688	0.000	1	0	1	1
PL.12789	PL.8272	A	4ACSR	7.28Y	121.3	0.11	4.75	58.08	30	395	150	93	0.34	0.1	1.729	0.042	0	0	0	85
PL.15250	PL.12789	A	4ACSR	7.28Y	121.3	0.00	4.75	0.00	0	0	0	100	0.00	0.0	1.735	0.006	0	0	0	2
PD.1758	PL.15250	A	fuse6AMP	7.28Y	121.3	0.00	4.75	0.00	0	0	0	100	0.00	0.0	1.735	0.000	0	0	0	2
PL.15251	PD.1758	A	4ACSR	7.28Y	121.3	-0.00	4.75	0.00	0	0	0	100	0.00	0.0	1.780	0.045	0	0	0	2
075572	PL.15251	A	Consumer	7.28Y	121.3	0.00	4.75	0.00	0	0	0	100	0.00	0.0	1.780	0.000	0	0	1	1
075544	PL.15251	A	Consumer	7.28Y	121.3	0.00	4.75	0.00	0	0	0	100	0.00	0.0	1.780	0.000	0	0	1	1
PL.15252	PL.12789	A	4ACSR	7.27Y	121.2	0.09	4.84	57.27	30	390	148	93	0.27	0.1	1.764	0.034	0	0	0	80
PD.16-A	PL.15252	A	Closed	7.27Y	121.2	0.00	4.84	57.27	0	389	148	93	0.00	0.0	1.764	0.000	0	0	0	80
PD.16-B	PD.16-A	A	Closed	7.27Y	121.2	0.00	4.84	57.27	0	389	148	93	0.00	0.0	1.764	0.000	0	0	0	80
PL.15253	PD.16-B	A	4ACSR	7.27Y	121.1	0.01	4.85	57.27	30	389	148	93	0.04	0.0	1.769	0.005	0	0	0	80
PL.15294	PL.15253	A	4ACSR	7.27Y	121.1	0.00	4.85	1.34	1	9	3	95	0.00	0.0	1.775	0.006	0	0	0	2
PD.1759	PL.15294	A	fuse6AMP	7.27Y	121.1	0.00	4.85	1.34	23	9	3	95	0.00	0.0	1.775	0.000	0	0	0	2
PL.26740	PD.1759	A	4ACSR	7.27Y	121.1	0.00	4.86	1.34	1	9	3	95	0.00	0.0	1.840	0.065	0	0	0	2
075599	PL.26740	A	Consumer	7.27Y	121.1	0.00	4.86	1.04	0	7	3	92	0.00	0.0	1.840	0.000	7	3	1	1
075529	PL.26740	A	Consumer	7.27Y	121.1	0.00	4.86	0.29	0	2	1	89	0.00	0.0	1.840	0.000	2	1	1	1
PL.12790	PL.15253	A	4ACSR	7.26Y	121.0	0.15	5.00	55.94	29	380	144	94	0.43	0.1	1.827	0.058	0	0	0	78
PL.12791	PL.12790	A	4ACSR	7.25Y	120.8	0.20	5.20	54.34	28	369	140	93	0.57	0.2	1.908	0.081	0	0	0	75
075551	PL.12791	A	Consumer	7.25Y	120.8	0.00	5.20	0.24	0	2	1	89	0.00	0.0	1.908	0.000	2	1	1	1
PL.8271	PL.12791	A	4ACSR	7.24Y	120.7	0.13	5.33	54.11	28	367	139	94	0.36	0.1	1.959	0.052	0	0	0	74
PL.8270	PL.8271	A	4ACSR	7.23Y	120.4	0.24	5.57	54.11	28	366	139	93	0.69	0.2	2.058	0.098	0	0	0	73
PL.12792	PL.8270	A	4ACSR	7.22Y	120.4	0.02	5.59	54.11	28	366	138	94	0.04	0.0	2.064	0.006	0	0	0	73
PL.24276	PL.12792	A	4ACSR	7.22Y	120.4	0.00	5.59	0.00	0	0	0	100	0.00	0.0	2.310	0.246	0	0	0	0
PL.12793	PL.12792	A	4ACSR	7.22Y	120.4	0.05	5.63	53.96	28	365	138	94	0.13	0.0	2.082	0.019	0	0	0	71
PL.8282	PL.12793	A	4ACSR	7.22Y	120.3	0.06	5.70	53.96	28	365	138	94	0.18	0.0	2.108	0.026	0	0	0	71
075531	PL.8282	A	Consumer	7.22Y	120.3	0.00	5.70	0.00	0	0	0	100	0.00	0.0	2.108	0.000	0	0	0	0
075568	PL.8282	A	Consumer	7.22Y	120.3	0.00	5.70	0.00	0	0	0	100	0.00	0.0	2.108	0.000	0	0	0	0
075554	PL.8282	A	Consumer	7.22Y	120.3	0.00	5.70	1.15	0	8	3	94	0.00	0.0	2.108	0.000	8	3	1	1
075518	PL.8282	A	Consumer	7.22Y	120.3	0.00	5.70	0.98	0	7	2	96	0.00	0.0	2.108	0.000	7	2	1	1
075558	PL.8282	A	Consumer	7.22Y	120.3	0.00	5.70	0.47	0	3	1	95	0.00	0.0	2.108	0.000	3	1	1	1
PL.12794	PL.8282	A	4ACSR	7.21Y	120.1	0.21	5.90	51.35	26	347	131	94	0.55	0.2	2.195	0.087	0	0	0	68
PL.36556	PL.12794	A	4ACSR	7.20Y	120.0	0.08	5.98	48.39	25	326	123	94	0.19	0.1	2.230	0.035	0	0	0	63
075533	PL.36556	A	Consumer	7.20Y	120.0	0.00	5.98	1.12	0	8	3	94	0.00	0.0	2.230	0.000	8	3	1	1
PL.36557	PL.36556	A	4ACSR	7.20Y	119.9	0.10	6.08	47.27	24	318	120	94	0.24	0.1	2.276	0.046	0	0	0	62
PL.14429	PL.36557	A	4ACSR	7.19Y	119.9	0.01	6.09	46.59	24	314	118	94	0.03	0.0	2.282	0.005	0	0	0	60
C PD.3440	PL.14429	A	35V4E	7.19Y	119.9	0.00	6.09	46.59	133	314	118	94	0.00	0.0	2.282	0.000	0	0	0	60 C
PL.15088	PD.3440	A	4ACSR	7.19Y	119.8	0.16	6.25	46.59	24	314	118	94	0.38	0.1	2.355	0.074	0	0	0	60

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: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.12796	PL.15088	A	4ACSR	7.19Y	119.8	0.00	6.25	46.59	24	313	118	94	0.00	0.0	2.356	0.001	0	0	0	60
PL.19872	PL.12796	A	4ACSR	7.18Y	119.6	0.11	6.36	43.88	23	295	111	94	0.25	0.1	2.410	0.054	0	0	0	58
075414	PL.19872	A	Consumer	7.18Y	119.6	0.00	6.36	1.19	0	8	3	94	0.00	0.0	2.410	0.000	8	3	1	1
PL.19873	PL.19872	A	4ACSR	7.17Y	119.6	0.09	6.45	42.69	22	287	108	94	0.20	0.1	2.457	0.047	0	0	0	57
PL.8273	PL.19873	A	4ACSR	7.17Y	119.5	0.10	6.55	41.87	22	281	106	94	0.22	0.1	2.509	0.052	0	0	0	56
PL.8269	PL.8273	A	4ACSR	7.16Y	119.4	0.10	6.64	39.28	20	263	99	94	0.20	0.1	2.562	0.053	0	0	0	52
PL.12797	PL.8269	A	4ACSR	7.16Y	119.3	0.04	6.68	37.44	19	251	95	94	0.08	0.0	2.585	0.024	0	0	0	49
PL.20140	PL.12797	A	4ACSR	7.16Y	119.3	0.00	6.69	2.01	1	13	5	93	0.00	0.0	2.639	0.054	0	0	0	3
075441	PL.20140	A	Consumer	7.16Y	119.3	0.00	6.69	1.05	0	7	3	92	0.00	0.0	2.639	0.000	7	3	1	1
PL.20141	PL.20140	A	4ACSR	7.16Y	119.3	0.00	6.69	0.96	0	6	2	95	0.00	0.0	2.640	0.000	0	0	0	2
PL.8274	PL.20141	A	4ACSR	7.16Y	119.3	0.00	6.69	0.14	0	1	0	100	0.00	0.0	2.677	0.037	0	0	0	1
075451	PL.8274	A	Consumer	7.16Y	119.3	0.00	6.69	0.00	0	0	0	100	0.00	0.0	2.677	0.000	0	0	0	0
PL.8275	PL.8274	A	4ACSR	7.16Y	119.3	0.00	6.69	0.14	0	1	0	100	0.00	0.0	2.860	0.183	0	0	0	1
075404	PL.8275	A	Consumer	7.16Y	119.3	0.00	6.69	0.14	0	1	0	100	0.00	0.0	2.860	0.000	1	0	1	1
PL.4970	PL.20141	A	4ACSR	7.16Y	119.3	0.00	6.69	0.82	0	5	2	93	0.00	0.0	2.760	0.121	0	0	0	1
PL.4971	PL.4970	A	4ACSR	7.16Y	119.3	0.00	6.69	0.82	0	5	2	93	0.00	0.0	2.801	0.040	0	0	0	1
075416	PL.4971	A	Consumer	7.16Y	119.3	0.00	6.69	0.82	0	5	2	93	0.00	0.0	2.801	0.000	5	2	1	1
075407	PL.4971	A	Consumer	7.16Y	119.3	0.00	6.69	0.00	0	0	0	100	0.00	0.0	2.801	0.000	0	0	0	0
075448	PL.12797	A	Consumer	7.16Y	119.3	0.00	6.68	0.00	0	0	0	100	0.00	0.0	2.585	0.000	0	0	0	0
075447	PL.12797	A	Consumer	7.16Y	119.3	0.00	6.68	0.44	0	3	1	95	0.00	0.0	2.585	0.000	3	1	1	1
075430	PL.12797	A	Consumer	7.16Y	119.3	0.00	6.68	1.11	0	7	3	92	0.00	0.0	2.585	0.000	7	3	1	1
075433	PL.12797	A	Consumer	7.16Y	119.3	0.00	6.68	0.00	0	0	0	100	0.00	0.0	2.585	0.000	0	0	1	1
PL.26085	PL.12797	A	4ACSR	7.15Y	119.2	0.13	6.81	33.87	17	227	86	94	0.23	0.1	2.668	0.083	0	0	0	43
PL.34912	PL.26085	A	4ACSR	7.15Y	119.2	0.00	6.81	1.84	1	12	5	92	0.00	0.0	2.685	0.018	0	0	0	2
PD.5005	PL.34912	A	fuse6AMP	7.15Y	119.2	0.00	6.81	1.84	31	12	5	92	0.00	0.0	2.685	0.000	0	0	0	2
PL.34913	PD.5005	A	4ACSR	7.15Y	119.2	0.01	6.82	1.84	1	12	5	92	0.00	0.0	2.752	0.066	0	0	0	2
075440	PL.34913	A	Consumer	7.15Y	119.2	0.00	6.82	1.07	0	7	3	92	0.00	0.0	2.752	0.000	7	3	1	1
075439	PL.34913	A	Consumer	7.15Y	119.2	0.00	6.82	0.77	0	5	2	93	0.00	0.0	2.752	0.000	5	2	1	1
075442	PL.34913	A	Consumer	7.15Y	119.2	0.00	6.82	0.00	0	0	0	100	0.00	0.0	2.752	0.000	0	0	0	0
PL.20089	PL.26085	A	4ACSR	7.14Y	119.1	0.12	6.93	28.92	15	194	73	94	0.18	0.1	2.760	0.092	0	0	0	39
PL.20090	PL.20089	A	4ACSR	7.14Y	119.0	0.09	7.02	28.92	15	193	73	94	0.13	0.1	2.825	0.065	0	0	0	39
PL.4969	PL.20090	A	4ACSR	7.14Y	119.0	0.01	7.03	2.71	1	18	7	93	0.00	0.0	2.924	0.099	0	0	0	4
PL.4975	PL.4969	A	4ACSR	7.14Y	119.0	0.00	7.03	2.30	1	15	6	93	0.00	0.0	2.956	0.032	0	0	0	3
075468	PL.4975	A	Consumer	7.14Y	119.0	0.00	7.03	1.56	0	10	4	93	0.00	0.0	2.956	0.000	10	4	1	1
PL.4976	PL.4975	A	4ACSR	7.14Y	119.0	0.00	7.04	0.74	0	5	2	93	0.00	0.0	2.993	0.037	0	0	0	2
075444	PL.4976	A	Consumer	7.14Y	119.0	0.00	7.04	0.34	0	2	1	89	0.00	0.0	2.993	0.000	2	1	1	1
075443	PL.4976	A	Consumer	7.14Y	119.0	0.00	7.04	0.40	0	3	1	95	0.00	0.0	2.993	0.000	3	1	1	1
075438	PL.4969	A	Consumer	7.14Y	119.0	0.00	7.03	0.41	0	3	1	95	0.00	0.0	2.924	0.000	3	1	1	1

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

Unbalanced Voltage Drop Report
Source: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.34914	PL.20090	A	4ACSR	7.14Y	119.0	0.00	7.02	3.43	2	23	9	93	0.00	0.0	2.829	0.004	0	0	0	2
PD.5006	PL.34914	A	fuse6AMP	7.14Y	119.0	0.00	7.02	3.43	59	23	9	93	0.00	0.0	2.829	0.000	0	0	0	2
PL.34915	PD.5006	A	4ACSR	7.14Y	119.0	0.01	7.03	3.43	2	23	9	93	0.00	0.0	2.900	0.072	0	0	0	2
075456	PL.34915	A	Consumer	7.14Y	119.0	0.00	7.03	1.71	0	11	4	94	0.00	0.0	2.900	0.000	11	4	1	1
075455	PL.34915	A	Consumer	7.14Y	119.0	0.00	7.03	1.72	0	11	4	94	0.00	0.0	2.900	0.000	11	4	1	1
PL.26086	PL.20090	A	4ACSR	7.14Y	119.0	0.02	7.03	22.78	12	152	57	94	0.02	0.0	2.841	0.016	0	0	0	33
075402	PL.26086	A	Consumer	7.14Y	119.0	0.00	7.03	0.51	0	3	1	95	0.00	0.0	2.841	0.000	3	1	1	1
075428	PL.26086	A	Consumer	7.14Y	119.0	0.00	7.03	1.55	0	10	4	93	0.00	0.0	2.841	0.000	10	4	1	1
PL.26087	PL.26086	A	4ACSR	7.13Y	118.9	0.08	7.11	20.72	11	138	52	94	0.09	0.1	2.925	0.085	0	0	0	31
PL.34918	PL.26087	A	4ACSR	7.13Y	118.9	0.00	7.12	1.15	1	8	3	94	0.00	0.0	2.942	0.016	0	0	0	1
PD.5008	PL.34918	A	fuse6AMP	7.13Y	118.9	0.00	7.12	1.15	20	8	3	94	0.00	0.0	2.942	0.000	0	0	0	1
PL.34919	PD.5008	A	4ACSR	7.13Y	118.9	0.00	7.12	1.15	1	8	3	94	0.00	0.0	3.013	0.071	0	0	0	1
075458	PL.34919	A	Consumer	7.13Y	118.9	0.00	7.12	1.15	0	8	3	94	0.00	0.0	3.013	0.000	8	3	1	1
PL.34916	PL.26087	A	4ACSR	7.13Y	118.9	0.00	7.12	1.29	1	9	3	95	0.00	0.0	2.935	0.010	0	0	0	1
PD.5007	PL.34916	A	fuse6AMP	7.13Y	118.9	0.00	7.12	1.29	22	9	3	95	0.00	0.0	2.935	0.000	0	0	0	1
PL.34917	PD.5007	A	4ACSR	7.13Y	118.9	0.00	7.12	1.29	1	9	3	95	0.00	0.0	2.959	0.024	0	0	0	1
075469	PL.34917	A	Consumer	7.13Y	118.9	0.00	7.12	1.29	0	9	3	95	0.00	0.0	2.959	0.000	9	3	1	1
PL.26236	PL.26087	A	4ACSR	7.13Y	118.8	0.11	7.22	17.02	9	114	43	94	0.10	0.1	3.066	0.141	0	0	0	26
075424	PL.26236	A	Consumer	7.13Y	118.8	0.00	7.22	0.86	0	6	2	95	0.00	0.0	3.066	0.000	6	2	1	1
PL.26237	PL.26236	A	4ACSR	7.13Y	118.8	0.02	7.24	16.16	8	108	41	93	0.02	0.0	3.090	0.024	0	0	0	25
PL.26238	PL.26237	A	4ACSR	7.12Y	118.7	0.04	7.28	15.44	8	103	39	94	0.03	0.0	3.143	0.053	0	0	0	24
075411	PL.26238	A	Consumer	7.12Y	118.7	0.00	7.28	0.85	0	6	2	95	0.00	0.0	3.143	0.000	6	2	1	1
PL.26239	PL.26238	A	4ACSR	7.12Y	118.6	0.08	7.36	14.60	8	97	37	93	0.06	0.1	3.266	0.123	0	0	0	23
PL.34920	PL.26239	A	4ACSR	7.12Y	118.6	0.00	7.36	0.98	1	7	2	96	0.00	0.0	3.271	0.005	0	0	0	1
PD.5009	PL.34920	A	fuse6AMP	7.12Y	118.6	0.00	7.36	0.98	17	7	2	96	0.00	0.0	3.271	0.000	0	0	0	1
PL.34921	PD.5009	A	4ACSR	7.12Y	118.6	0.00	7.36	0.98	1	7	2	96	0.00	0.0	3.299	0.028	0	0	0	1
075437	PL.34921	A	Consumer	7.12Y	118.6	0.00	7.36	0.00	0	0	0	100	0.00	0.0	3.299	0.000	0	0	0	0
075409	PL.34921	A	Consumer	7.12Y	118.6	0.00	7.36	0.98	0	7	2	96	0.00	0.0	3.299	0.000	7	2	1	1
PL.26240	PL.26239	A	4ACSR	7.11Y	118.5	0.09	7.45	13.61	7	91	34	94	0.07	0.1	3.415	0.149	0	0	0	22
PL.8251	PL.26240	A	4ACSR	7.11Y	118.5	0.01	7.46	13.61	7	91	34	94	0.01	0.0	3.430	0.014	0	0	0	22
075301	PL.8251	A	Consumer	7.11Y	118.5	0.00	7.46	0.00	0	0	0	100	0.00	0.0	3.430	0.000	0	0	0	0
PL.26241	PL.8251	A	4ACSR	7.11Y	118.5	0.06	7.53	13.61	7	91	34	94	0.04	0.0	3.530	0.100	0	0	0	22
075302	PL.26241	A	Consumer	7.11Y	118.5	0.00	7.53	0.44	0	3	1	95	0.00	0.0	3.530	0.000	3	1	1	1
PL.34922	PL.26241	A	4ACSR	7.11Y	118.5	0.00	7.53	0.48	0	3	1	95	0.00	0.0	3.545	0.016	0	0	0	4
PD.5010	PL.34922	A	fuse6AMP	7.11Y	118.5	0.00	7.53	0.48	8	3	1	95	0.00	0.0	3.545	0.000	0	0	0	4
PL.34923	PD.5010	A	4ACSR	7.11Y	118.5	0.00	7.53	0.48	0	3	1	95	0.00	0.0	3.587	0.041	0	0	0	4
075306	PL.34923	A	Consumer	7.11Y	118.5	0.00	7.53	0.48	0	3	1	95	0.00	0.0	3.587	0.000	3	1	1	1
PL.8253	PL.34923	A	4ACSR	7.11Y	118.5	-0.00	7.53	0.00	0	0	0	100	0.00	0.0	3.613	0.026	0	0	0	3

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: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.4719	PL.8253	A	4ACSR	7.11Y	118.5	-0.00	7.53	0.00	0	0	0	100	0.00	0.0	3.677	0.064	0	0	0	3
075305	PL.4719	A	Consumer	7.11Y	118.5	0.00	7.53	0.00	0	0	0	100	0.00	0.0	3.677	0.000	0	0	1	1
PL.4720	PL.4719	A	4ACSR	7.11Y	118.5	-0.00	7.53	0.00	0	0	0	100	0.00	0.0	3.711	0.034	0	0	0	2
PL.30362	PL.4720	A	4ACSR	7.11Y	118.5	-0.00	7.53	0.00	0	0	0	100	0.00	0.0	3.776	0.065	0	0	0	1
0753009	PL.30362	A	Consumer	7.11Y	118.5	0.00	7.53	0.00	0	0	0	100	0.00	0.0	3.776	0.000	0	0	1	1
PL.4718	PL.4720	A	4ACSR	7.11Y	118.5	0.00	7.53	0.00	0	0	0	100	0.00	0.0	3.792	0.081	0	0	0	1
075308	PL.4718	A	Consumer	7.11Y	118.5	0.00	7.53	0.00	0	0	0	100	0.00	0.0	3.792	0.000	0	0	1	1
PL.26242	PL.26241	A	4ACSR	7.11Y	118.4	0.04	7.57	12.69	7	84	32	93	0.03	0.0	3.605	0.075	0	0	0	17
PL.15082	PL.26242	A	4ACSR	7.10Y	118.4	0.08	7.65	12.69	7	84	32	93	0.05	0.1	3.743	0.138	0	0	0	17
PL.15083	PL.15082	A	4ACSR	7.10Y	118.3	0.00	7.65	12.69	7	84	32	93	0.00	0.0	3.748	0.005	0	0	0	17
PD.14-A	PL.15083	A	Closed	7.10Y	118.3	0.00	7.65	12.69	0	84	32	93	0.00	0.0	3.748	0.000	0	0	0	17
PD.14-B	PD.14-A	A	Closed	7.10Y	118.3	0.00	7.65	12.69	0	84	32	93	0.00	0.0	3.748	0.000	0	0	0	17
PL.15084	PD.14-B	A	4ACSR	7.10Y	118.3	0.07	7.72	12.69	7	84	32	93	0.05	0.1	3.871	0.123	0	0	0	17
PL.12798	PL.15084	A	4ACSR	7.10Y	118.3	0.00	7.73	12.69	7	84	32	93	0.00	0.0	3.875	0.004	0	0	0	17
PL.20502	PL.12798	A	4ACSR	7.09Y	118.2	0.02	7.75	12.53	6	83	31	94	0.02	0.0	3.917	0.042	0	0	0	16
PL.20503	PL.20502	A	4ACSR	7.09Y	118.2	0.01	7.76	11.58	6	77	29	94	0.01	0.0	3.939	0.022	0	0	0	14
075418	PL.20503	A	Consumer	7.09Y	118.2	0.00	7.76	0.73	0	5	2	93	0.00	0.0	3.939	0.000	5	2	1	1
075446	PL.20503	A	Consumer	7.09Y	118.2	0.00	7.76	0.00	0	0	0	100	0.00	0.0	3.939	0.000	0	0	0	0
075463	PL.20503	A	Consumer	7.09Y	118.2	0.00	7.76	0.00	0	0	0	100	0.00	0.0	3.939	0.000	0	0	0	0
075461	PL.20503	A	Consumer	7.09Y	118.2	0.00	7.76	0.40	0	3	1	95	0.00	0.0	3.939	0.000	3	1	1	1
PL.12799	PL.20503	A	4ACSR	7.09Y	118.2	0.02	7.78	9.08	5	60	23	93	0.01	0.0	3.992	0.053	0	0	0	11
075422	PL.12799	A	Consumer	7.09Y	118.2	0.00	7.78	0.55	0	4	1	97	0.00	0.0	3.992	0.000	4	1	1	1
PL.8268	PL.12799	A	4ACSR	7.09Y	118.2	0.02	7.81	8.53	4	57	21	94	0.01	0.0	4.046	0.054	0	0	0	10
PL.8267	PL.8268	A	4ACSR	7.09Y	118.2	0.02	7.82	7.16	4	48	18	94	0.01	0.0	4.094	0.048	0	0	0	9
PL.8208	PL.8267	A	4ACSR	7.09Y	118.1	0.04	7.86	7.16	4	48	18	94	0.01	0.0	4.213	0.120	0	0	0	9
074454	PL.8208	A	Consumer	7.09Y	118.1	0.00	7.86	1.24	0	8	3	94	0.00	0.0	4.213	0.000	8	3	1	1
PL.34926	PL.8208	A	4ACSR	7.09Y	118.1	0.01	7.88	5.92	3	39	15	93	0.00	0.0	4.269	0.055	0	0	0	8
PD.5012-A	PL.34926	A	Closed	7.09Y	118.1	0.00	7.88	5.92	0	39	15	93	0.00	0.0	4.269	0.000	0	0	0	8
PD.5012-B	PD.5012-A	A	Closed	7.09Y	118.1	0.00	7.88	5.92	0	39	15	93	0.00	0.0	4.269	0.000	0	0	0	8
PL.34927	PD.5012-B	A	4ACSR	7.09Y	118.1	0.01	7.88	5.92	3	39	15	93	0.00	0.0	4.304	0.035	0	0	0	8
PL.8213	PL.34927	A	4ACSR	7.09Y	118.1	0.01	7.90	4.60	2	31	11	94	0.00	0.0	4.354	0.050	0	0	0	7
PL.12800	PL.8213	A	4ACSR	7.09Y	118.1	0.02	7.91	3.55	2	24	9	94	0.00	0.0	4.458	0.104	0	0	0	6
PL.34885	PL.12800	A	4ACSR	7.09Y	118.1	0.00	7.91	0.98	1	7	2	96	0.00	0.0	4.466	0.009	0	0	0	1
PD.4993	PL.34885	A	fuse6AMP	7.09Y	118.1	0.00	7.91	0.98	17	7	2	96	0.00	0.0	4.466	0.000	0	0	0	1
PL.34886	PD.4993	A	4ACSR	7.09Y	118.1	0.00	7.92	0.98	1	7	2	96	0.00	0.0	4.526	0.060	0	0	0	1
PL.5010	PL.34886	A	4ACSR	7.08Y	118.1	0.00	7.92	0.98	1	7	2	96	0.00	0.0	4.573	0.047	0	0	0	1
075453	PL.5010	A	Consumer	7.08Y	118.1	0.00	7.92	0.98	0	7	2	96	0.00	0.0	4.573	0.000	7	2	1	1
PL.12801	PL.12800	A	4ACSR	7.08Y	118.1	0.01	7.92	2.57	1	17	6	94	0.00	0.0	4.524	0.067	0	0	0	5

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: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.12802	PL.12801	A	4ACSR	7.08Y	118.1	0.00	7.92	1.33	1	9	3	95	0.00	0.0	4.601	0.077	0	0	0	4
PL.34887	PL.12802	A	4ACSR	7.08Y	118.1	0.00	7.92	0.00	0	0	0	100	0.00	0.0	4.605	0.005	0	0	0	1
PD.4994	PL.34887	A	fuse6AMP	7.08Y	118.1	0.00	7.92	0.00	0	0	0	100	0.00	0.0	4.605	0.000	0	0	0	1
PL.34888	PD.4994	A	4ACSR	7.08Y	118.1	0.00	7.92	0.00	0	0	0	100	0.00	0.0	4.630	0.025	0	0	0	1
074461	PL.34888	A	Consumer	7.08Y	118.1	0.00	7.92	0.00	0	0	0	100	0.00	0.0	4.630	0.000	0	0	1	1
PL.12803	PL.12802	A	4ACSR	7.08Y	118.1	0.00	7.93	1.33	1	9	3	95	0.00	0.0	4.638	0.037	0	0	0	3
PL.32826	PL.12803	A	4ACSR	7.08Y	118.1	0.00	7.93	0.68	0	5	2	93	0.00	0.0	4.771	0.133	0	0	0	2
PL.32827	PL.32826	A	4ACSR	7.08Y	118.1	0.00	7.93	0.42	0	3	1	95	0.00	0.0	4.813	0.043	0	0	0	1
074455	PL.32827	A	Consumer	7.08Y	118.1	0.00	7.93	0.42	0	3	1	95	0.00	0.0	4.813	0.000	3	1	1	1
0744070	PL.32826	A	Consumer	7.08Y	118.1	0.00	7.93	0.26	0	2	1	89	0.00	0.0	4.771	0.000	2	1	1	1
PL.34889	PL.12803	A	4ACSR	7.08Y	118.1	0.00	7.93	0.65	0	4	2	89	0.00	0.0	4.643	0.005	0	0	0	1
PD.4995	PL.34889	A	fuse6AMP	7.08Y	118.1	0.00	7.93	0.65	11	4	2	89	0.00	0.0	4.643	0.000	0	0	0	1
PL.34890	PD.4995	A	4ACSR	7.08Y	118.1	0.00	7.93	0.65	0	4	2	89	0.00	0.0	4.687	0.044	0	0	0	1
074465	PL.34890	A	Consumer	7.08Y	118.1	0.00	7.93	0.65	0	4	2	89	0.00	0.0	4.687	0.000	4	2	1	1
074449	PL.12801	A	Consumer	7.08Y	118.1	0.00	7.92	1.24	0	8	3	94	0.00	0.0	4.524	0.000	8	3	1	1
074448	PL.8213	A	Consumer	7.09Y	118.1	0.00	7.90	1.05	0	7	3	92	0.00	0.0	4.354	0.000	7	3	1	1
074460	PL.34927	A	Consumer	7.09Y	118.1	0.00	7.88	1.32	0	9	3	95	0.00	0.0	4.304	0.000	9	3	1	1
075412	PL.8268	A	Consumer	7.09Y	118.2	0.00	7.81	1.37	0	9	3	95	0.00	0.0	4.046	0.000	9	3	1	1
PL.34910	PL.20503	A	4ACSR	7.09Y	118.2	0.00	7.76	1.37	1	9	3	95	0.00	0.0	3.952	0.013	0	0	0	1
PD.5004	PL.34910	A	fuse6AMP	7.09Y	118.2	0.00	7.76	1.37	23	9	3	95	0.00	0.0	3.952	0.000	0	0	0	1
PL.34911	PD.5004	A	4ACSR	7.09Y	118.2	0.00	7.76	1.37	1	9	3	95	0.00	0.0	3.977	0.025	0	0	0	1
075466	PL.34911	A	Consumer	7.09Y	118.2	0.00	7.76	1.37	0	9	3	95	0.00	0.0	3.977	0.000	9	3	1	1
075462	PL.20502	A	Consumer	7.09Y	118.2	0.00	7.75	0.27	0	2	1	89	0.00	0.0	3.917	0.000	2	1	1	1
075417	PL.20502	A	Consumer	7.09Y	118.2	0.00	7.75	0.68	0	5	2	93	0.00	0.0	3.917	0.000	5	2	1	1
PL.34924	PL.12798	A	4ACSR	7.10Y	118.3	0.00	7.73	0.16	0	1	0	100	0.00	0.0	3.879	0.004	0	0	0	1
PL.34925	PL.34924	A	4ACSR	7.10Y	118.3	0.00	7.73	0.16	0	1	0	100	0.00	0.0	3.921	0.042	0	0	0	1
075408	PL.34925	A	Consumer	7.10Y	118.3	0.00	7.73	0.16	0	1	0	100	0.00	0.0	3.921	0.000	1	0	1	1
075419	PL.26237	A	Consumer	7.13Y	118.8	0.00	7.24	0.00	0	0	0	100	0.00	0.0	3.090	0.000	0	0	0	0
075406	PL.26237	A	Consumer	7.13Y	118.8	0.00	7.24	0.72	0	5	2	93	0.00	0.0	3.090	0.000	5	2	1	1
075432	PL.26087	A	Consumer	7.13Y	118.9	0.00	7.11	0.68	0	5	2	93	0.00	0.0	2.925	0.000	5	2	1	1
075429	PL.26087	A	Consumer	7.13Y	118.9	0.00	7.11	0.48	0	3	1	95	0.00	0.0	2.925	0.000	3	1	1	1
075431	PL.26087	A	Consumer	7.13Y	118.9	0.00	7.11	0.10	0	1	0	100	0.00	0.0	2.925	0.000	1	0	1	1
075425	PL.26085	A	Consumer	7.15Y	119.2	0.00	6.81	1.17	0	8	3	94	0.00	0.0	2.668	0.000	8	3	1	1
075454	PL.26085	A	Consumer	7.15Y	119.2	0.00	6.81	1.95	0	13	5	93	0.00	0.0	2.668	0.000	13	5	1	1
075410	PL.26085	A	Consumer	7.15Y	119.2	0.00	6.81	0.00	0	0	0	100	0.00	0.0	2.668	0.000	0	0	0	0
075459	PL.8269	A	Consumer	7.16Y	119.4	0.00	6.64	0.78	0	5	2	93	0.00	0.0	2.562	0.000	5	2	1	1
075427	PL.8269	A	Consumer	7.16Y	119.4	0.00	6.64	0.69	0	5	2	93	0.00	0.0	2.562	0.000	5	2	1	1
075426	PL.8269	A	Consumer	7.16Y	119.4	0.00	6.64	0.38	0	3	1	95	0.00	0.0	2.562	0.000	3	1	1	1

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

Unbalanced Voltage Drop Report
Source: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
075436	PL.8273	A	Consumer	7.17Y	119.5	0.00	6.55	0.00	0	0	0	100	0.00	0.0	2.509	0.000	0	0	0	0
075421	PL.8273	A	Consumer	7.17Y	119.5	0.00	6.55	0.94	0	6	2	95	0.00	0.0	2.509	0.000	6	2	1	1
075434	PL.8273	A	Consumer	7.17Y	119.5	0.00	6.55	0.98	0	7	2	96	0.00	0.0	2.509	0.000	7	2	1	1
075445	PL.8273	A	Consumer	7.17Y	119.5	0.00	6.55	0.49	0	3	1	95	0.00	0.0	2.509	0.000	3	1	1	1
075449	PL.8273	A	Consumer	7.17Y	119.5	0.00	6.55	0.18	0	1	0	100	0.00	0.0	2.509	0.000	1	0	1	1
075452	PL.19873	A	Consumer	7.17Y	119.6	0.00	6.45	0.82	0	5	2	93	0.00	0.0	2.457	0.000	5	2	1	1
075415	PL.12796	A	Consumer	7.19Y	119.8	0.00	6.25	1.80	0	12	5	92	0.00	0.0	2.356	0.000	12	5	1	1
075405	PL.12796	A	Consumer	7.19Y	119.8	0.00	6.25	0.91	0	6	2	95	0.00	0.0	2.356	0.000	6	2	1	1
PL.14427	PL.36557	A	4ACSR	7.20Y	119.9	0.00	6.08	0.68	0	5	2	93	0.00	0.0	2.282	0.006	0	0	0	1
PD.2248	PL.14427	A	fuse6AMP	7.20Y	119.9	0.00	6.08	0.68	12	5	2	93	0.00	0.0	2.282	0.000	0	0	0	1
PL.14428	PD.2248	A	4ACSR	7.20Y	119.9	0.00	6.08	0.68	0	5	2	93	0.00	0.0	2.351	0.069	0	0	0	1
PL.4978	PL.14428	A	4ACSR	7.20Y	119.9	0.00	6.08	0.68	0	5	2	93	0.00	0.0	2.420	0.070	0	0	0	1
PL.4979	PL.4978	A	4ACSR	7.19Y	119.9	0.00	6.08	0.68	0	5	2	93	0.00	0.0	2.472	0.052	0	0	0	1
PL.4980	PL.4979	A	4ACSR	7.19Y	119.9	0.00	6.08	0.68	0	5	2	93	0.00	0.0	2.495	0.023	0	0	0	1
PL.24278	PL.4980	A	4ACSR	7.19Y	119.9	0.00	6.09	0.68	0	5	2	93	0.00	0.0	2.579	0.084	0	0	0	1
PL.24279	PL.24278	A	4ACSR	7.19Y	119.9	0.00	6.09	0.68	0	5	2	93	0.00	0.0	2.656	0.077	0	0	0	1
074419	PL.24279	A	Consumer	7.19Y	119.9	0.00	6.09	0.68	0	5	2	93	0.00	0.0	2.656	0.000	5	2	1	1
075403	PL.36557	A	Consumer	7.20Y	119.9	0.00	6.08	0.00	0	0	0	100	0.00	0.0	2.276	0.000	0	0	0	0
075465	PL.36557	A	Consumer	7.20Y	119.9	0.00	6.08	0.00	0	0	0	100	0.00	0.0	2.276	0.000	0	0	1	1
075541	PL.12794	A	Consumer	7.21Y	120.1	0.00	5.90	0.70	0	5	2	93	0.00	0.0	2.195	0.000	5	2	1	1
0755117	PL.12794	A	Consumer	7.21Y	120.1	0.00	5.90	0.00	0	0	0	100	0.00	0.0	2.195	0.000	0	0	0	1
075573	0755117	A	Consumer	7.21Y	120.1	0.00	5.90	0.00	0	0	0	100	0.00	0.0	2.195	0.000	0	0	1	1
075550	PL.12794	A	Consumer	7.21Y	120.1	0.00	5.90	0.46	0	3	1	95	0.00	0.0	2.195	0.000	3	1	1	1
PL.14425	PL.12794	A	4ACSR	7.21Y	120.1	0.00	5.90	1.81	1	12	5	92	0.00	0.0	2.201	0.006	0	0	0	2
PD.1762	PL.14425	A	fuse6AMP	7.21Y	120.1	0.00	5.90	1.81	31	12	5	92	0.00	0.0	2.201	0.000	0	0	0	2
PL.14426	PD.1762	A	4ACSR	7.21Y	120.1	0.01	5.91	1.81	1	12	5	92	0.00	0.0	2.344	0.143	0	0	0	2
0755113	PL.14426	A	Consumer	7.21Y	120.1	0.00	5.91	1.41	0	9	4	91	0.00	0.0	2.344	0.000	9	4	1	1
PL.5009	PL.14426	A	4ACSR	7.21Y	120.1	0.00	5.91	0.40	0	3	1	95	0.00	0.0	2.396	0.051	0	0	0	1
075590	PL.5009	A	Consumer	7.21Y	120.1	0.00	5.91	0.40	0	3	1	95	0.00	0.0	2.396	0.000	3	1	1	1
075501	PL.12792	A	Consumer	7.22Y	120.4	0.00	5.59	0.14	0	1	0	100	0.00	0.0	2.064	0.000	1	0	1	1
PL.26743	PL.12792	A	4ACSR	7.22Y	120.4	0.00	5.59	0.00	0	0	0	100	0.00	0.0	2.069	0.005	0	0	0	1
PD.1761	PL.26743	A	fuse6AMP	7.22Y	120.4	0.00	5.59	0.00	0	0	0	100	0.00	0.0	2.069	0.000	0	0	0	1
PL.14424	PD.1761	A	4ACSR	7.22Y	120.4	-0.00	5.59	0.00	0	0	0	100	0.00	0.0	2.111	0.041	0	0	0	1
PL.4981	PL.14424	A	4ACSR	7.22Y	120.4	-0.00	5.59	0.00	0	0	0	100	0.00	0.0	2.144	0.034	0	0	0	1
075569	PL.4981	A	Consumer	7.22Y	120.4	0.00	5.59	0.00	0	0	0	100	0.00	0.0	2.144	0.000	0	0	0	0
075526	PL.4981	A	Consumer	7.22Y	120.4	0.00	5.59	0.00	0	0	0	100	0.00	0.0	2.144	0.000	0	0	1	1
075532	PL.8271	A	Consumer	7.24Y	120.7	0.00	5.33	0.00	0	0	0	100	0.00	0.0	1.959	0.000	0	0	1	1
075503	PL.12790	A	Consumer	7.26Y	121.0	0.00	5.00	0.17	0	1	0	100	0.00	0.0	1.827	0.000	1	0	1	1

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

Unbalanced Voltage Drop Report
Source: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.26741	PL.12790	A	4ACSR	7.26Y	121.0	0.00	5.00	1.43	1	10	4	93	0.00	0.0	1.832	0.006	0	0	0	2
PD.1760	PL.26741	A	fuse6AMP	7.26Y	121.0	0.00	5.00	1.43	24	10	4	93	0.00	0.0	1.832	0.000	0	0	0	2
PL.26742	PD.1760	A	4ACSR	7.26Y	121.0	0.00	5.00	1.43	1	10	4	93	0.00	0.0	1.887	0.055	0	0	0	2
075595	PL.26742	A	Consumer	7.26Y	121.0	0.00	5.00	1.08	0	7	3	92	0.00	0.0	1.887	0.000	7	3	1	1
075522	PL.26742	A	Consumer	7.26Y	121.0	0.00	5.00	0.35	0	2	1	89	0.00	0.0	1.887	0.000	2	1	1	1
075570	PL.12789	A	Consumer	7.28Y	121.3	0.00	4.75	0.40	0	3	1	95	0.00	0.0	1.729	0.000	3	1	1	1
075504	PL.12789	A	Consumer	7.28Y	121.3	0.00	4.75	0.20	0	1	1	71	0.00	0.0	1.729	0.000	1	1	1	1
PL.4972	PL.12789	A	4ACSR	7.28Y	121.3	0.00	4.75	0.20	0	1	1	71	0.00	0.0	1.824	0.095	0	0	0	1
075521	PL.4972	A	Consumer	7.28Y	121.3	0.00	4.75	0.00	0	0	0	100	0.00	0.0	1.824	0.000	0	0	0	0
075552	PL.4972	A	Consumer	7.28Y	121.3	0.00	4.75	0.20	0	1	1	71	0.00	0.0	1.824	0.000	1	1	1	1
075525	PL.8265	A	Consumer	7.29Y	121.5	0.00	4.47	0.49	0	3	1	95	0.00	0.0	1.627	0.000	3	1	1	1
075556	PL.8265	A	Consumer	7.29Y	121.5	0.00	4.47	0.00	0	0	0	100	0.00	0.0	1.627	0.000	0	0	1	1
PL.34906	PL.12788	A	4ACSR	7.30Y	121.7	0.00	4.32	0.00	0	0	0	100	0.00	0.0	1.588	0.010	0	0	0	0
PD.5003	PL.34906	A	fuse6AMP	7.30Y	121.7	0.00	4.32	0.00	0	0	0	100	0.00	0.0	1.588	0.000	0	0	0	0
PL.34907	PD.5003	A	4ACSR	7.30Y	121.7	0.00	4.32	0.00	0	0	0	100	0.00	0.0	1.624	0.036	0	0	0	0
PL.15246	PL.18681	A	4ACSR	7.32Y	122.0	0.00	3.98	0.71	0	5	2	93	0.00	0.0	1.473	0.005	0	0	0	2
PD.1756	PL.15246	A	fuse6AMP	7.32Y	122.0	0.00	3.98	0.71	12	5	2	93	0.00	0.0	1.473	0.000	0	0	0	2
PL.15247	PD.1756	A	4ACSR	7.32Y	122.0	0.00	3.98	0.71	0	5	2	93	0.00	0.0	1.535	0.062	0	0	0	2
0755105	PL.15247	A	Consumer	7.32Y	122.0	0.00	3.98	0.10	0	1	0	100	0.00	0.0	1.535	0.000	1	0	1	1
0755104	PL.15247	A	Consumer	7.32Y	122.0	0.00	3.98	0.61	0	4	2	89	0.00	0.0	1.535	0.000	4	2	1	1
075540	PL.18680	A	Consumer	7.34Y	122.3	0.00	3.70	0.85	0	6	2	95	0.00	0.0	1.382	0.000	6	2	1	1
075553	PL.27962	A	Consumer	7.34Y	122.4	0.00	3.64	0.84	0	6	2	95	0.00	0.0	1.363	0.000	6	2	1	1
075535	PL.12786	A	Consumer	7.36Y	122.7	0.00	3.30	0.32	0	2	1	89	0.00	0.0	1.265	0.000	2	1	1	1
075534	PL.12786	A	Consumer	7.36Y	122.7	0.00	3.30	0.76	0	5	2	93	0.00	0.0	1.265	0.000	5	2	1	1
075530	PL.12786	A	Consumer	7.36Y	122.7	0.00	3.30	0.87	0	6	2	95	0.00	0.0	1.265	0.000	6	2	1	1
PL.15244	PL.12785	A	4ACSR	7.38Y	122.9	0.00	3.05	2.40	1	17	6	94	0.00	0.0	1.198	0.005	0	0	0	2
PD.1754	PL.15244	A	fuse6AMP	7.38Y	122.9	0.00	3.05	2.40	41	17	6	94	0.00	0.0	1.198	0.000	0	0	0	2
PL.15245	PD.1754	A	4ACSR	7.38Y	122.9	0.00	3.06	2.40	1	17	6	94	0.00	0.0	1.223	0.026	0	0	0	2
PL.24277	PL.15245	A	4ACSR	7.38Y	122.9	0.00	3.06	2.40	1	17	6	94	0.00	0.0	1.254	0.030	0	0	0	2
074510	PL.24277	A	Consumer	7.38Y	122.9	0.00	3.06	1.27	0	9	3	95	0.00	0.0	1.254	0.000	9	3	1	1
PL.24280	PL.24277	A	4ACSR	7.38Y	122.9	0.00	3.06	1.13	1	8	3	94	0.00	0.0	1.295	0.041	0	0	0	1
074521	PL.24280	A	Consumer	7.38Y	122.9	0.00	3.06	1.13	0	8	3	94	0.00	0.0	1.295	0.000	8	3	1	1
0745048	PL.24280	A	Consumer	7.38Y	122.9	0.00	3.06	0.00	0	0	0	100	0.00	0.0	1.295	0.000	0	0	0	0
074539	PL.12784	A	Consumer	7.39Y	123.2	0.00	2.82	0.00	0	0	0	100	0.00	0.0	1.128	0.000	0	0	0	0
074603	PL.8091	B	Consumer	7.54Y	125.6	0.00	0.38	0.30	0	2	1	89	0.00	0.0	0.933	0.000	2	1	1	1
PL.15298	PL.41324	C	4ACSR	7.44Y	124.0	0.00	2.00	1.38	1	10	4	93	0.00	0.0	0.861	0.005	0	0	0	1
PD.2118	PL.15298	C	fuse6AMP	7.44Y	124.0	0.00	2.00	1.38	24	10	4	93	0.00	0.0	0.861	0.000	0	0	0	1
PL.15299	PD.2118	C	4ACSR	7.44Y	124.0	0.00	2.00	1.38	1	10	4	93	0.00	0.0	0.916	0.055	0	0	0	1

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

Unbalanced Voltage Drop Report
Source: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.4680	PL.15299	C	4ACSR	7.44Y	124.0	0.00	2.00	1.38	1	10	4	93	0.00	0.0	0.963	0.047	0	0	0	1
074609	PL.4680	C	Consumer	7.44Y	124.0	0.00	2.00	1.38	0	10	4	93	0.00	0.0	0.963	0.000	10	4	1	1
PL.15296	PL.41324	A	1/0ACSR	7.44Y	124.1	0.00	1.94	1.87	1	13	5	93	0.00	0.0	0.861	0.005	0	0	0	1
		B		7.54Y	125.7	-0.00	0.33	0.00	0	0	0	100					0	0	0	0
		C		7.44Y	124.0	0.00	2.00	0.00	0	0	0	100					0	0	0	0
PD.2110	PL.15296	A	fuse6AMP	7.44Y	124.1	0.00	1.94	1.87	32	13	5	93	0.00	0.0	0.861	0.000	0	0	0	1
		B		7.54Y	125.7	0.00	0.33	0.00	0	0	0	100					0	0	0	0
		C		7.44Y	124.0	0.00	2.00	0.00	0	0	0	100					0	0	0	0
PL.15297	PD.2110	A	1/0ACSR	7.44Y	124.1	0.01	1.94	1.87	1	13	5	93	0.00	0.0	0.970	0.109	0	0	0	1
		B		7.54Y	125.7	-0.00	0.33	0.00	0	0	0	100					0	0	0	0
		C		7.44Y	124.0	0.00	2.00	0.00	0	0	0	100					0	0	0	0
074524	PL.15297	A	Consumer	7.44Y	124.1	0.00	1.94	1.87	0	13	5	93	0.00	0.0	0.970	0.000	13	5	1	1
PL.15300	PL.41324	C	4ACSR	7.44Y	124.0	0.00	2.00	3.33	2	23	9	93	0.00	0.0	0.861	0.005	0	0	0	3
PD.2117	PL.15300	C	fuse6AMP	7.44Y	124.0	0.00	2.00	3.33	57	23	9	93	0.00	0.0	0.861	0.000	0	0	0	3
PL.15301	PD.2117	C	4ACSR	7.44Y	124.0	0.01	2.00	3.33	2	23	9	93	0.00	0.0	0.905	0.044	0	0	0	3
PL.3957	PL.15301	C	4ACSR	7.44Y	124.0	0.02	2.02	3.33	2	23	9	93	0.00	0.0	1.049	0.144	0	0	0	3
PL.3958	PL.3957	C	4ACSR	7.44Y	124.0	0.01	2.03	1.78	1	12	5	92	0.00	0.0	1.113	0.064	0	0	0	2
PL.3959	PL.3958	C	4ACSR	7.44Y	124.0	0.00	2.03	1.78	1	12	5	92	0.00	0.0	1.150	0.037	0	0	0	2
PL.3960	PL.3959	C	4ACSR	7.44Y	123.9	0.02	2.05	1.78	1	12	5	92	0.00	0.0	1.394	0.244	0	0	0	2
PL.35034	PL.3960	C	2ACSR	7.44Y	123.9	0.00	2.05	0.28	0	2	1	89	0.00	0.0	1.448	0.054	0	0	0	1
0746014	PL.35034	C	Consumer	7.44Y	123.9	0.00	2.05	0.28	0	2	1	89	0.00	0.0	1.448	0.000	2	1	1	1
074606	PL.3960	C	Consumer	7.44Y	123.9	0.00	2.05	1.51	0	10	4	93	0.00	0.0	1.394	0.000	10	4	1	1
074602	PL.3957	C	Consumer	7.44Y	124.0	0.00	2.02	1.55	0	11	4	94	0.00	0.0	1.049	0.000	11	4	1	1
PL.15302	PL.12782	A	4ACSR	7.49Y	124.9	0.00	1.09	0.47	0	3	1	95	0.00	0.0	0.554	0.005	0	0	0	1
PD.2140	PL.15302	A	fuse6AMP	7.49Y	124.9	0.00	1.09	0.47	8	3	1	95	0.00	0.0	0.554	0.000	0	0	0	1
PL.15303	PD.2140	A	4ACSR	7.49Y	124.9	0.00	1.10	0.47	0	3	1	95	0.00	0.0	0.593	0.040	0	0	0	1
PL.8214	PL.15303	A	4ACSR	7.49Y	124.9	0.00	1.10	0.47	0	3	1	95	0.00	0.0	0.594	0.001	0	0	0	1
074540	PL.8214	A	Consumer	7.49Y	124.9	0.00	1.10	0.47	0	3	1	95	0.00	0.0	0.594	0.000	3	1	1	1
PL.24275	PL.8214	A	4ACSR	7.49Y	124.9	0.00	1.10	0.00	0	0	0	100	0.00	0.0	0.653	0.059	0	0	0	0
074523	PL.24275	A	Consumer	7.49Y	124.9	0.00	1.10	0.00	0	0	0	100	0.00	0.0	0.653	0.000	0	0	0	0
074507	PL.20088	B	Consumer	7.55Y	125.9	0.00	0.09	0.68	0	5	2	93	0.00	0.0	0.485	0.000	5	2	1	1
074520	PL.20088	B	Consumer	7.55Y	125.9	0.00	0.09	1.02	0	7	3	92	0.00	0.0	0.485	0.000	7	3	1	1
074519	PL.21503	A	Consumer	7.51Y	125.2	0.00	0.78	0.86	0	6	2	95	0.00	0.0	0.435	0.000	6	2	1	1
074516	PL.12731	B	Consumer	7.56Y	126.0	0.00	0.03	0.47	0	3	1	95	0.00	0.0	0.394	0.000	3	1	1	1
0745047	PL.12731	B	Consumer	7.56Y	126.0	0.00	0.03	0.00	0	0	0	100	0.00	0.0	0.394	0.000	0	0	0	0
PL.15305	PL.12731	A	4ACSR	7.52Y	125.3	0.00	0.67	1.23	1	9	3	95	0.00	0.0	0.400	0.005	0	0	0	1
PD.2116	PL.15305	A	fuse6AMP	7.52Y	125.3	0.00	0.67	1.23	21	9	3	95	0.00	0.0	0.400	0.000	0	0	0	1
PL.15306	PD.2116	A	4ACSR	7.52Y	125.3	0.00	0.67	1.23	1	9	3	95	0.00	0.0	0.470	0.070	0	0	0	1
074542	PL.15306	A	Consumer	7.52Y	125.3	0.00	0.67	1.23	0	9	3	95	0.00	0.0	0.470	0.000	9	3	1	1
074530	PL.15306	A	Consumer	7.52Y	125.3	0.00	0.67	0.00	0	0	0	100	0.00	0.0	0.470	0.000	0	0	0	0
074537	PL.15309	C	Consumer	7.54Y	125.7	0.00	0.35	0.79	0	6	2	95	0.00	0.0	0.249	0.000	6	2	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: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
074506	PL.15309	B	Consumer	7.56Y	126.0	0.00	-0.04	0.00	0	0	0	100	0.00	0.0	0.249	0.000	0	0	0	0
PL.21153	PL.12729	B	4ACSR	7.56Y	126.0	0.00	-0.04	0.76	0	5	2	93	0.00	0.0	0.256	0.014	0	0	0	1
PL.34891	PL.21153	B	4ACSR	7.56Y	126.0	0.00	-0.04	0.76	0	5	2	93	0.00	0.0	0.257	0.002	0	0	0	1
PD.4996	PL.34891	B	fuse6AMP	7.56Y	126.0	0.00	-0.04	0.76	13	5	2	93	0.00	0.0	0.257	0.000	0	0	0	1
PL.34892	PD.4996	B	4ACSR	7.56Y	126.0	0.00	-0.04	0.76	0	5	2	93	0.00	0.0	0.312	0.055	0	0	0	1
074543	PL.34892	B	Consumer	7.56Y	126.0	0.00	-0.04	0.76	0	5	2	93	0.00	0.0	0.312	0.000	5	2	1	1
PL.15313	PL.12728	B	4ACSR	7.56Y	126.0	0.00	-0.02	0.48	0	3	1	95	0.00	0.0	0.138	0.005	0	0	0	1
PD.2111	PL.15313	B	fuse6AMP	7.56Y	126.0	0.00	-0.02	0.48	8	3	1	95	0.00	0.0	0.138	0.000	0	0	0	1
PL.15314	PD.2111	B	4ACSR	7.56Y	126.0	0.00	-0.02	0.48	0	3	1	95	0.00	0.0	0.164	0.026	0	0	0	1
PL.24439	PL.15314	B	4ACSR	7.56Y	126.0	0.00	-0.02	0.48	0	3	1	95	0.00	0.0	0.237	0.073	0	0	0	1
PL.24433	PL.24439	B	4ACSR	7.56Y	126.0	0.00	-0.01	0.48	0	3	1	95	0.00	0.0	0.359	0.122	0	0	0	1
PL.24434	PL.24433	B	4ACSR	7.56Y	126.0	0.00	-0.01	0.48	0	3	1	95	0.00	0.0	0.408	0.049	0	0	0	1
074525	PL.24434	B	Consumer	7.56Y	126.0	0.00	-0.01	0.48	0	3	1	95	0.00	0.0	0.408	0.000	3	1	1	1
PL.24435	PL.24433	B	4ACSR	7.56Y	126.0	0.00	-0.01	0.00	0	0	0	100	0.00	0.0	0.448	0.089	0	0	0	0
074526	PL.24435	B	Consumer	7.56Y	126.0	0.00	-0.01	0.00	0	0	0	100	0.00	0.0	0.448	0.000	0	0	0	0
074503	PL.12728	B	Consumer	7.56Y	126.0	0.00	-0.02	0.01	0	0	0	100	0.00	0.0	0.133	0.000	0	0	1	1
074504	PL.12728	B	Consumer	7.56Y	126.0	0.00	-0.02	0.00	0	0	0	100	0.00	0.0	0.133	0.000	0	0	0	0
074502	PL.8192	B	Consumer	7.56Y	126.0	0.00	-0.00	1.10	0	8	3	94	0.00	0.0	0.075	0.000	8	3	1	1
OH20	HARDWICH'S C...	A	336ACSR	7.56Y	126.0	-0.00	-0.00	1.87	0	13	5	93	0.02	0.0	0.028	0.028	0	0	0	7
		B		7.56Y	126.0	0.01	0.01	26.74	4	189	72	93					0	0	0	43
		C		7.56Y	126.0	0.01	0.01	37.24	5	262	102	93					0	0	0	48
---------- Feeder No. 1 (HARDWICK1) Beginning with Device OCD43 ----------																				
OCD43	OH20	A	VWVE	7.56Y	126.0	0.00	-0.00	1.87	0	13	5	93	0.00	0.0	0.028	0.000	0	0	0	7
		B		7.56Y	126.0	0.00	0.01	26.74	0	189	72	93					0	0	0	43
		C		7.56Y	126.0	0.00	0.01	37.24	0	262	102	93					0	0	0	48
OH38	OCD43	A	336ACSR	7.56Y	126.0	-0.04	-0.04	1.87	0	13	5	93	0.15	0.0	0.243	0.215	0	0	0	7
		B		7.55Y	125.9	0.09	0.10	26.74	4	189	72	93					0	0	0	43
		C		7.56Y	125.9	0.06	0.07	37.24	5	262	102	93					0	0	0	48
OH27	OH38	A	336ACSR	7.56Y	126.0	0.00	-0.04	0.00	0	0	0	100	0.00	0.0	0.244	0.001	0	0	0	0
		B		7.55Y	125.9	0.00	0.10	0.00	0	0	0	100					0	0	0	0
		C		7.56Y	125.9	0.00	0.07	0.00	0	0	0	100					0	0	0	0
SW29-A	OH27	A	Open	7.56Y	126.0	0.00	-0.04	0.00	0	0	0	100	0.00	0.0	0.244	0.000	0	0	0	0
		B		7.55Y	125.9	0.00	0.10	0.00	0	0	0	100					0	0	0	0
		C		7.56Y	125.9	0.00	0.07	0.00	0	0	0	100					0	0	0	0
PL.30824	OH38	A	336ACSR	7.56Y	126.0	-0.00	-0.04	1.87	0	13	5	93	0.00	0.0	0.248	0.004	0	0	0	7
		B		7.55Y	125.9	0.00	0.10	26.74	4	189	72	93					0	0	0	43
		C		7.56Y	125.9	0.00	0.07	37.24	5	262	102	93					0	0	0	48
PD.513-B	PL.30824	A	Closed	7.56Y	126.0	0.00	-0.04	1.87	0	13	5	93	0.00	0.0	0.248	0.000	0	0	0	7
		B		7.55Y	125.9	0.00	0.10	26.74	0	189	72	93					0	0	0	43
		C		7.56Y	125.9	0.00	0.07	37.24	0	262	102	93					0	0	0	48
PD.513-A	PD.513-B	A	Closed	7.56Y	126.0	0.00	-0.04	1.87	0	13	5	93	0.00	0.0	0.248	0.000	0	0	0	7
		B		7.55Y	125.9	0.00	0.10	26.74	0	189	72	93					0	0	0	43
		C		7.56Y	125.9	0.00	0.07	37.24	0	262	102	93					0	0	0	48
PL.15311	PD.513-A	A	1/0ACSR	7.56Y	126.1	-0.03	-0.07	1.87	1	13	5	93	0.23	0.0	0.360	0.113	0	0	0	7
		B		7.55Y	125.8	0.08	0.19	26.74	8	189	72	93					0	0	0	43
		C		7.55Y	125.9	0.08	0.15	37.24	11	262	102	93					0	0	0	48

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: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.12732	PL.15311	A	1/0ACSR	7.57Y	126.1	-0.02	-0.09	1.87	1	13	5	93	0.21	0.0	0.466	0.105	0	0	0	7
		B		7.54Y	125.7	0.08	0.27	26.74	8	189	72	93					0	0	0	43
		C		7.55Y	125.8	0.07	0.22	36.17	11	255	99	93					0	0	0	45
PL.12733	PL.12732	A	1/0ACSR	7.57Y	126.1	-0.02	-0.11	1.87	1	13	5	93	0.22	0.0	0.578	0.112	0	0	0	7
		B		7.54Y	125.7	0.08	0.35	26.74	8	188	72	93					0	0	0	43
		C		7.54Y	125.7	0.07	0.29	35.68	11	251	97	93					0	0	0	44
PL.12735	PL.12733	A	1/0ACSR	7.57Y	126.1	-0.02	-0.13	1.87	1	13	5	93	0.14	0.0	0.653	0.075	0	0	0	7
		B		7.54Y	125.6	0.06	0.40	26.74	8	188	72	93					0	0	0	43
		C		7.54Y	125.7	0.05	0.34	35.68	11	251	97	93					0	0	0	44
PL.12734	PL.12735	A	1/0ACSR	7.57Y	126.1	-0.01	-0.14	1.87	1	13	5	93	0.13	0.0	0.724	0.071	0	0	0	7
		B		7.53Y	125.5	0.05	0.46	26.74	8	188	72	93					0	0	0	43
		C		7.54Y	125.6	0.04	0.39	34.77	11	244	95	93					0	0	0	42
PL.12736	PL.12734	A	1/0ACSR	7.57Y	126.2	-0.01	-0.16	1.87	1	13	5	93	0.12	0.0	0.789	0.065	0	0	0	7
		B		7.53Y	125.5	0.05	0.51	26.74	8	188	72	93					0	0	0	43
		C		7.53Y	125.6	0.04	0.43	34.77	11	244	94	93					0	0	0	42
PL.12737	PL.12736	A	1/0ACSR	7.57Y	126.2	-0.01	-0.17	1.87	1	13	5	93	0.13	0.0	0.860	0.071	0	0	0	7
		B		7.53Y	125.4	0.05	0.56	26.66	8	188	71	93					0	0	0	42
		C		7.53Y	125.5	0.04	0.47	34.77	11	244	94	93					0	0	0	42
PL.12738	PL.12737	A	1/0ACSR	7.57Y	126.2	-0.03	-0.20	0.87	0	6	2	95	0.19	0.0	0.969	0.109	0	0	0	6
		B		7.52Y	125.4	0.08	0.63	24.73	7	174	66	93					0	0	0	38
		C		7.53Y	125.5	0.07	0.54	34.77	11	244	94	93					0	0	0	42
PL.12553	PL.12738	A	1/0ACSR	7.57Y	126.2	-0.03	-0.23	0.87	0	6	2	95	0.26	0.1	1.157	0.188	0	0	0	6
		B		7.51Y	125.2	0.13	0.76	24.73	7	174	66	93					0	0	0	38
		C		7.52Y	125.4	0.09	0.64	29.18	9	205	79	93					0	0	0	36
PL.12556	PL.12553	A	1/0ACSR	7.57Y	126.2	-0.00	-0.23	0.87	0	6	2	95	0.03	0.0	1.183	0.026	0	0	0	6
		B		7.51Y	125.2	0.02	0.78	24.73	7	174	66	93					0	0	0	38
		C		7.52Y	125.4	0.01	0.65	23.62	7	166	64	93					0	0	0	31
PL.12555	PL.12556	A	1/0ACSR	7.57Y	126.2	-0.01	-0.24	0.87	0	6	2	95	0.07	0.0	1.255	0.072	0	0	0	6
		B		7.51Y	125.2	0.04	0.83	22.88	7	161	61	93					0	0	0	36
		C		7.52Y	125.3	0.03	0.67	23.62	7	166	64	93					0	0	0	31
PL.20080	PL.12555	A	1/0ACSR	7.58Y	126.3	-0.01	-0.25	0.87	0	6	2	95	0.07	0.0	1.322	0.067	0	0	0	6
		B		7.51Y	125.1	0.04	0.87	22.45	7	158	60	93					0	0	0	34
		C		7.52Y	125.3	0.03	0.70	23.62	7	166	64	93					0	0	0	31
PL.20081	PL.20080	A	1/0ACSR	7.58Y	126.3	-0.01	-0.26	0.87	0	6	2	95	0.04	0.0	1.363	0.042	0	0	0	6
		B		7.51Y	125.1	0.02	0.89	21.53	7	151	58	93					0	0	0	31
		C		7.52Y	125.3	0.02	0.72	23.62	7	166	64	93					0	0	0	31
PL.12557	PL.20081	A	1/0ACSR	7.58Y	126.3	-0.01	-0.27	0.87	0	6	2	95	0.07	0.0	1.446	0.083	0	0	0	6
		B		7.50Y	125.1	0.05	0.94	20.01	6	140	54	93					0	0	0	30
		C		7.52Y	125.3	0.03	0.75	21.48	7	150	59	93					0	0	0	28
PL.20083	PL.12557	A	1/0ACSR	7.58Y	126.3	-0.01	-0.28	0.87	0	6	2	95	0.04	0.0	1.499	0.053	0	0	0	6
		B		7.50Y	125.0	0.03	0.97	20.01	6	140	54	93					0	0	0	30
		C		7.51Y	125.2	0.02	0.77	21.48	7	150	59	93					0	0	0	28
PL.20082	PL.20083	A	1/0ACSR	7.58Y	126.3	-0.01	-0.29	0.87	0	6	2	95	0.08	0.0	1.594	0.095	0	0	0	6
		B		7.50Y	125.0	0.05	1.02	19.82	6	139	53	93					0	0	0	28
		C		7.51Y	125.2	0.03	0.80	21.48	7	150	59	93					0	0	0	28
RG.25	PL.20082	A	1ph-100A-7	7.56Y	126.0	0.29	-0.00	0.87	1	6	2	95	percent Boost=-0.23 Tap=-0.4							6
		B		7.56Y	126.0	-1.02	-0.00	19.82	20	139	53	93	percent Boost= 0.81 Tap= 1.3							
		C		7.56Y	126.0	-0.80	-0.00	21.48	21	150	58	93	percent Boost= 0.64 Tap= 1.0							
PL.15392	RG.25	A	1/0ACSR	7.56Y	126.0	-0.03	-0.03	0.87	0	6	2	95	0.22	0.1	1.871	0.277	0	0	0	6
		B		7.55Y	125.9	0.15	0.15	19.66	6	139	53	93					0	0	0	28
		C		7.55Y	125.9	0.10	0.10	21.34	6	150	58	93					0	0	0	28
PD.2125	PL.15392	A	fuse6AMP	7.56Y	126.0	0.00	-0.03	0.87	15	6	2	95	0.00	0.0	1.871	0.000	0	0	0	6
C		B		7.55Y	125.9	0.00	0.15	19.66	336	139	53	93					0	0	0	28 C
C		C		7.55Y	125.9	0.00	0.10	21.34	365	150	58	93					0	0	0	28 C
PL.15391	PD.2125	A	1/0ACSR	7.56Y	126.0	-0.00	-0.03	0.87	0	6	2	95	0.00	0.0	1.877	0.006	0	0	0	6
		B		7.55Y	125.8	0.00	0.15	19.66	6	139	53	93					0	0	0	28
		C		7.55Y	125.9	0.00	0.10	21.34	6	150	58	93					0	0	0	28

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: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.12559	PL.15391	A	1/0ACSR	7.56Y	126.0	-0.01	-0.05	0.87	0	6	2	95	0.09	0.0	1.983	0.106	0	0	0	6
		B		7.55Y	125.8	0.06	0.21	19.66	6	139	53	93					0	0	0	28
		C		7.55Y	125.9	0.04	0.14	21.34	6	150	58	93					0	0	0	28
PL.8171	PL.12559	A	1/0ACSR	7.56Y	126.1	-0.01	-0.05	0.68	0	5	2	93	0.04	0.0	2.034	0.052	0	0	0	6
		B		7.55Y	125.8	0.03	0.24	19.47	6	137	52	93					0	0	0	28
		C		7.55Y	125.8	0.02	0.16	20.11	6	142	54	93					0	0	0	26
PL.15396	PL.8171	A	1/0ACSR	7.56Y	126.1	-0.00	-0.05	0.68	0	5	2	93	0.00	0.0	2.040	0.006	0	0	0	6
		B		7.55Y	125.8	0.00	0.24	19.47	6	137	52	93					0	0	0	28
		C		7.55Y	125.8	0.00	0.16	20.11	6	142	54	93					0	0	0	26
PD.510-B	PL.15396	A	Closed	7.56Y	126.1	0.00	-0.05	0.68	0	5	2	93	0.00	0.0	2.040	0.000	0	0	0	6
		B		7.55Y	125.8	0.00	0.24	19.47	0	137	52	93					0	0	0	28
		C		7.55Y	125.8	0.00	0.16	20.11	0	142	54	93					0	0	0	26
PD.510-A	PD.510-B	A	Closed	7.56Y	126.1	0.00	-0.05	0.68	0	5	2	93	0.00	0.0	2.040	0.000	0	0	0	6
		B		7.55Y	125.8	0.00	0.24	19.47	0	137	52	93					0	0	0	28
		C		7.55Y	125.8	0.00	0.16	20.11	0	142	54	93					0	0	0	26
PL.15395	PD.510-A	A	1/0ACSR	7.56Y	126.1	-0.00	-0.06	0.68	0	5	2	93	0.01	0.0	2.055	0.015	0	0	0	6
		B		7.55Y	125.8	0.01	0.25	19.47	6	137	52	93					0	0	0	28
		C		7.55Y	125.8	0.00	0.16	20.11	6	142	54	93					0	0	0	26
PL.24299	PL.15395	A	1/0ACSR	7.56Y	126.1	-0.01	-0.06	0.68	0	5	2	93	0.04	0.0	2.107	0.052	0	0	0	6
		B		7.54Y	125.7	0.03	0.28	19.47	6	137	52	93					0	0	0	28
		C		7.55Y	125.8	0.02	0.18	20.11	6	142	54	93					0	0	0	26
PL.24300	PL.24299	A	1/0ACSR	7.56Y	126.1	-0.00	-0.07	0.68	0	5	2	93	0.03	0.0	2.148	0.041	0	0	0	6
		B		7.54Y	125.7	0.02	0.30	18.74	6	132	50	93					0	0	0	26
		C		7.55Y	125.8	0.01	0.19	20.11	6	142	54	93					0	0	0	26
PL.20084	PL.24300	A	1/0ACSR	7.56Y	126.1	-0.00	-0.07	0.68	0	5	2	93	0.01	0.0	2.162	0.015	0	0	0	6
		B		7.54Y	125.7	0.01	0.30	18.02	5	127	48	93					0	0	0	25
		C		7.55Y	125.8	0.00	0.20	20.11	6	142	54	93					0	0	0	26
PL.20085	PL.20084	A	1/0ACSR	7.56Y	126.1	-0.01	-0.07	0.68	0	5	2	93	0.03	0.0	2.208	0.046	0	0	0	6
		B		7.54Y	125.7	0.02	0.32	16.82	5	119	45	93					0	0	0	24
		C		7.55Y	125.8	0.02	0.21	20.11	6	142	54	93					0	0	0	26
PL.20086	PL.20085	A	1/0ACSR	7.56Y	126.1	-0.01	-0.08	0.68	0	5	2	93	0.03	0.0	2.272	0.064	0	0	0	6
		B		7.54Y	125.6	0.03	0.35	16.82	5	119	45	93					0	0	0	24
		C		7.55Y	125.8	0.02	0.23	16.64	5	117	45	93					0	0	0	22
PL.22706	PL.20086	A	1/0ACSR	7.57Y	126.1	-0.00	-0.08	0.68	0	5	2	93	0.02	0.0	2.311	0.039	0	0	0	6
		B		7.54Y	125.6	0.01	0.37	12.90	4	91	34	94					0	0	0	20
		C		7.55Y	125.8	0.01	0.24	16.49	5	116	45	93					0	0	0	21
PL.19189	PL.22706	A	1/0ACSR	7.57Y	126.1	-0.00	-0.09	0.68	0	5	2	93	0.01	0.0	2.335	0.024	0	0	0	6
		B		7.54Y	125.6	0.01	0.37	7.89	2	56	21	93					0	0	0	12
		C		7.54Y	125.8	0.01	0.25	16.49	5	116	45	93					0	0	0	21
PL.24301	PL.19189	A	1/0ACSR	7.57Y	126.1	-0.00	-0.09	0.68	0	5	2	93	0.01	0.0	2.370	0.035	0	0	0	6
		B		7.54Y	125.6	0.00	0.37	0.00	0	0	0	100					0	0	0	0
		C		7.54Y	125.7	0.01	0.26	16.49	5	116	45	93					0	0	0	21
PL.12741	PL.24301	A	1/0ACSR	7.57Y	126.1	-0.00	-0.09	0.68	0	5	2	93	0.00	0.0	2.428	0.058	0	0	0	6
		B		7.54Y	125.6	0.00	0.37	0.00	0	0	0	100					0	0	0	0
		C		7.54Y	125.7	0.00	0.27	3.23	1	22	9	92					0	0	0	3
PL.12740	PL.12741	A	1/0ACSR	7.57Y	126.1	-0.00	-0.09	0.31	0	2	1	89	0.00	0.0	2.447	0.019	0	0	0	4
		B		7.54Y	125.6	0.00	0.37	0.00	0	0	0	100					0	0	0	0
		C		7.54Y	125.7	0.00	0.27	1.52	0	11	4	94					0	0	0	1
PL.26685	PL.12740	A	1/0ACSR	7.57Y	126.1	0.00	-0.09	0.00	0	0	0	100	0.00	0.0	2.452	0.006	0	0	0	0
		B		7.54Y	125.6	0.00	0.37	0.00	0	0	0	100					0	0	0	0
		C		7.54Y	125.7	0.00	0.27	0.00	0	0	0	100					0	0	0	0
SW30-B	PL.26685	A	Open	7.57Y	126.1	0.00	-0.09	0.00	0	0	0	100	0.00	0.0	2.452	0.000	0	0	0	0
		B		7.54Y	125.6	0.00	0.37	0.00	0	0	0	100					0	0	0	0
		C		7.54Y	125.7	0.00	0.27	0.00	0	0	0	100					0	0	0	0
PL.26682	PL.12740	C	4ACSR	7.54Y	125.7	0.00	0.27	1.52	1	11	4	94	0.00	0.0	2.452	0.005	0	0	0	1
PD.2818	PL.26682	C	fuse6AMP	7.54Y	125.7	0.00	0.27	1.52	26	11	4	94	0.00	0.0	2.452	0.000	0	0	0	1

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

Unbalanced Voltage Drop Report
Source: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.26683	PD.2818	C	4ACSR	7.54Y	125.7	0.00	0.27	1.52	1	11	4	94	0.00	0.0	2.481	0.029	0	0	0	1
516909	PL.26683	C	Consumer	7.54Y	125.7	0.00	0.27	1.52	0	11	4	94	0.00	0.0	2.481	0.000	11	4	1	1
5159030	PL.12740	A	Consumer	7.57Y	126.1	0.00	-0.09	0.11	0	1	0	100	0.00	0.0	2.447	0.000	0	0	1	2
5159029	5159030	A	Consumer	7.57Y	126.1	0.00	-0.09	0.04	0	0	0	100	0.00	0.0	2.447	0.000	0	0	1	1
5159028	PL.12740	A	Consumer	7.57Y	126.1	0.00	-0.09	0.20	0	1	1	71	0.00	0.0	2.447	0.000	1	0	1	2
5159027	5159028	A	Consumer	7.57Y	126.1	0.00	-0.09	0.03	0	0	0	100	0.00	0.0	2.447	0.000	0	0	1	1
515902	PL.12741	C	Consumer	7.54Y	125.7	0.00	0.27	0.36	0	3	1	95	0.00	0.0	2.428	0.000	3	1	1	1
516925	PL.12741	A	Consumer	7.57Y	126.1	0.00	-0.09	0.21	0	1	1	71	0.00	0.0	2.428	0.000	1	1	1	1
516926	PL.12741	A	Consumer	7.57Y	126.1	0.00	-0.09	0.17	0	1	0	100	0.00	0.0	2.428	0.000	1	0	1	1
516928	PL.12741	C	Consumer	7.54Y	125.7	0.00	0.27	1.35	0	9	4	91	0.00	0.0	2.428	0.000	9	4	1	1
516801	PL.24301	C	Consumer	7.54Y	125.7	0.00	0.26	0.62	0	4	2	89	0.00	0.0	2.370	0.000	4	2	1	1
516802	PL.24301	C	Consumer	7.54Y	125.7	0.00	0.26	0.76	0	5	2	93	0.00	0.0	2.370	0.000	5	2	1	1
PL.26690	PL.24301	C	4ACSR	7.54Y	125.7	0.00	0.27	11.47	6	81	30	94	0.00	0.0	2.376	0.005	0	0	0	14
C PD.2821	PL.26690	C	fuse6AMP	7.54Y	125.7	0.00	0.27	11.47	196	81	30	94	0.00	0.0	2.376	0.000	0	0	0	14 C
PL.26691	PD.2821	C	4ACSR	7.54Y	125.7	0.01	0.28	11.47	6	81	30	94	0.01	0.0	2.399	0.023	0	0	0	14
PL.12560	PL.26691	C	4ACSR	7.54Y	125.7	0.01	0.29	10.44	5	74	28	94	0.01	0.0	2.423	0.024	0	0	0	13
516913	PL.12560	C	Consumer	7.54Y	125.7	0.00	0.29	0.65	0	5	2	93	0.00	0.0	2.423	0.000	5	2	1	1
516922	PL.12560	C	Consumer	7.54Y	125.7	0.00	0.29	0.58	0	4	2	89	0.00	0.0	2.423	0.000	4	2	1	1
516915	PL.12560	C	Consumer	7.54Y	125.7	0.00	0.29	0.70	0	5	2	93	0.00	0.0	2.423	0.000	5	2	1	1
516914	PL.12560	C	Consumer	7.54Y	125.7	0.00	0.29	0.36	0	3	1	95	0.00	0.0	2.423	0.000	3	1	1	1
516901	PL.12560	C	Consumer	7.54Y	125.7	0.00	0.29	0.73	0	5	2	93	0.00	0.0	2.423	0.000	5	2	1	1
PL.12739	PL.12560	C	4ACSR	7.54Y	125.7	0.01	0.30	7.42	4	52	20	93	0.00	0.0	2.449	0.026	0	0	0	8
516923	PL.12739	C	Consumer	7.54Y	125.7	0.00	0.30	0.90	0	6	2	95	0.00	0.0	2.449	0.000	6	2	1	1
516916	PL.12739	C	Consumer	7.54Y	125.7	0.00	0.30	1.06	0	8	3	94	0.00	0.0	2.449	0.000	8	3	1	1
516917	PL.12739	C	Consumer	7.54Y	125.7	0.00	0.30	0.96	0	7	3	92	0.00	0.0	2.449	0.000	7	3	1	1
516927	PL.12739	C	Consumer	7.54Y	125.7	0.00	0.30	1.06	0	7	3	92	0.00	0.0	2.449	0.000	7	3	1	1
PL.25015	PL.12739	C	4ACSR	7.54Y	125.7	0.01	0.31	3.43	2	24	9	94	0.00	0.0	2.482	0.033	0	0	0	4
5179013	PL.25015	C	Consumer	7.54Y	125.7	0.00	0.31	0.29	0	2	1	89	0.00	0.0	2.482	0.000	2	1	1	1
516918	PL.25015	C	Consumer	7.54Y	125.7	0.00	0.31	0.95	0	7	3	92	0.00	0.0	2.482	0.000	7	3	1	1
517902	PL.25015	C	Consumer	7.54Y	125.7	0.00	0.31	1.00	0	7	3	92	0.00	0.0	2.482	0.000	7	3	1	1
516919	PL.25015	C	Consumer	7.54Y	125.7	0.00	0.31	1.19	0	8	3	94	0.00	0.0	2.482	0.000	8	3	1	1
517904	PL.25015	C	Consumer	7.54Y	125.7	0.00	0.31	0.00	0	0	0	100	0.00	0.0	2.482	0.000	0	0	0	0
516920	PL.26691	C	Consumer	7.54Y	125.7	0.00	0.28	1.03	0	7	3	92	0.00	0.0	2.399	0.000	7	3	1	1
PL.3374	PL.24301	A	1/0ACSR	7.57Y	126.1	-0.00	-0.09	0.00	0	0	0	100	0.00	0.0	2.433	0.063	0	0	0	0
		B		7.54Y	125.6	0.00	0.37	0.00	0	0	0	100					0	0	0	0
		C		7.54Y	125.7	0.00	0.27	0.40	0	3	1	93					0	0	0	2
517801	PL.3374	C	Consumer	7.54Y	125.7	0.00	0.27	0.28	0	2	1	89	0.00	0.0	2.433	0.000	2	1	1	1
516803	PL.3374	C	Consumer	7.54Y	125.7	0.00	0.27	0.12	0	1	0	100	0.00	0.0	2.433	0.000	1	0	1	1
517811	PL.19189	B	Consumer	7.54Y	125.6	0.00	0.37	0.31	0	2	1	89	0.00	0.0	2.335	0.000	2	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: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.15946	PL.19189	B	4ACSR	7.54Y	125.6	0.00	0.38	7.58	4	53	20	94	0.00	0.0	2.341	0.005	0	0	0	11
C PD.2820	PL.15946	B	fuse6AMP	7.54Y	125.6	0.00	0.38	7.58	130	53	20	94	0.00	0.0	2.341	0.000	0	0	0	11 C
PL.15947	PD.2820	B	4ACSR	7.54Y	125.6	0.01	0.39	7.58	4	53	20	94	0.00	0.0	2.372	0.031	0	0	0	11
PL.3375	PL.15947	B	4ACSR	7.54Y	125.6	0.01	0.40	6.54	3	46	17	94	0.00	0.0	2.405	0.033	0	0	0	8
517901	PL.3375	B	Consumer	7.54Y	125.6	0.00	0.40	0.38	0	3	1	95	0.00	0.0	2.405	0.000	3	1	1	1
517906	PL.3375	B	Consumer	7.54Y	125.6	0.00	0.40	0.32	0	2	1	89	0.00	0.0	2.405	0.000	2	1	1	1
517909	PL.3375	B	Consumer	7.54Y	125.6	0.00	0.40	0.23	0	2	1	89	0.00	0.0	2.405	0.000	2	1	1	1
517910	PL.3375	B	Consumer	7.54Y	125.6	0.00	0.40	0.90	0	6	2	95	0.00	0.0	2.405	0.000	6	2	1	1
517912	PL.3375	B	Consumer	7.54Y	125.6	0.00	0.40	0.67	0	5	2	93	0.00	0.0	2.405	0.000	5	2	1	1
517908	PL.3375	B	Consumer	7.54Y	125.6	0.00	0.40	1.53	0	11	4	94	0.00	0.0	2.405	0.000	11	4	1	1
517905	PL.3375	B	Consumer	7.54Y	125.6	0.00	0.40	1.51	0	11	4	94	0.00	0.0	2.405	0.000	11	4	1	1
517907	PL.3375	B	Consumer	7.54Y	125.6	0.00	0.40	0.99	0	7	3	92	0.00	0.0	2.405	0.000	7	3	1	1
517803	PL.15947	B	Consumer	7.54Y	125.6	0.00	0.39	0.32	0	2	1	89	0.00	0.0	2.372	0.000	2	1	1	1
517802	PL.15947	B	Consumer	7.54Y	125.6	0.00	0.39	0.45	0	3	1	95	0.00	0.0	2.372	0.000	3	1	1	1
517911	PL.15947	B	Consumer	7.54Y	125.6	0.00	0.39	0.00	0	0	0	100	0.00	0.0	2.372	0.000	0	0	0	0
517903	PL.15947	B	Consumer	7.54Y	125.6	0.00	0.39	0.28	0	2	1	89	0.00	0.0	2.372	0.000	2	1	1	1
517806	PL.22706	B	Consumer	7.54Y	125.6	0.00	0.37	0.32	0	2	1	89	0.00	0.0	2.311	0.000	2	1	1	1
517817	PL.22706	B	Consumer	7.54Y	125.6	0.00	0.37	0.85	0	6	2	95	0.00	0.0	2.311	0.000	6	2	1	1
517813	PL.22706	B	Consumer	7.54Y	125.6	0.00	0.37	1.41	0	10	4	93	0.00	0.0	2.311	0.000	10	4	1	1
517818	PL.22706	B	Consumer	7.54Y	125.6	0.00	0.37	0.20	0	1	1	71	0.00	0.0	2.311	0.000	1	1	1	1
517804	PL.22706	B	Consumer	7.54Y	125.6	0.00	0.37	0.43	0	3	1	95	0.00	0.0	2.311	0.000	3	1	1	1
517816	PL.22706	B	Consumer	7.54Y	125.6	0.00	0.37	0.38	0	3	1	95	0.00	0.0	2.311	0.000	3	1	1	1
517805	PL.22706	B	Consumer	7.54Y	125.6	0.00	0.37	1.24	0	9	3	95	0.00	0.0	2.311	0.000	9	3	1	1
517815	PL.22706	B	Consumer	7.54Y	125.6	0.00	0.37	0.18	0	1	0	100	0.00	0.0	2.311	0.000	1	0	1	1
517807	PL.20086	B	Consumer	7.54Y	125.6	0.00	0.35	1.72	0	12	5	92	0.00	0.0	2.272	0.000	12	5	1	1
517827	PL.20086	B	Consumer	7.54Y	125.6	0.00	0.35	0.49	0	3	2	83	0.00	0.0	2.272	0.000	3	2	1	1
517828	PL.20086	C	Consumer	7.55Y	125.8	0.00	0.23	0.15	0	1	0	100	0.00	0.0	2.272	0.000	1	0	1	1
517808	PL.20086	B	Consumer	7.54Y	125.6	0.00	0.35	1.06	0	7	3	92	0.00	0.0	2.272	0.000	7	3	1	1
517819	PL.20086	B	Consumer	7.54Y	125.6	0.00	0.35	0.65	0	5	2	93	0.00	0.0	2.272	0.000	5	2	1	1
517810	PL.20085	C	Consumer	7.55Y	125.8	0.00	0.21	0.51	0	4	1	97	0.00	0.0	2.208	0.000	4	1	1	1
518803	PL.20085	A	Consumer	7.56Y	126.1	0.00	-0.07	0.00	0	0	0	100	0.00	0.0	2.208	0.000	0	0	0	0
518805	PL.20085	C	Consumer	7.55Y	125.8	0.00	0.21	1.29	0	9	3	95	0.00	0.0	2.208	0.000	9	3	1	1
518802	PL.20085	A	Consumer	7.56Y	126.1	0.00	-0.07	0.00	0	0	0	100	0.00	0.0	2.208	0.000	0	0	0	0
518808	PL.20085	C	Consumer	7.55Y	125.8	0.00	0.21	0.14	0	1	0	100	0.00	0.0	2.208	0.000	1	0	1	1
518801	PL.20085	A	Consumer	7.56Y	126.1	0.00	-0.07	0.00	0	0	0	100	0.00	0.0	2.208	0.000	0	0	0	0
518807	PL.20085	C	Consumer	7.55Y	125.8	0.00	0.21	1.53	0	11	4	94	0.00	0.0	2.208	0.000	11	4	1	1
517809	PL.20085	C	Consumer	7.55Y	125.8	0.00	0.21	0.00	0	0	0	100	0.00	0.0	2.208	0.000	0	0	0	0
518804	PL.20084	B	Consumer	7.54Y	125.7	0.00	0.30	1.21	0	9	3	95	0.00	0.0	2.162	0.000	9	3	1	1

Unbalanced Voltage Drop Report
Source: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
519803	PL.24300	B	Consumer	7.54Y	125.7	0.00	0.30	0.72	0	5	2	93	0.00	0.0	2.148	0.000	5	2	1	1
519804	PL.24299	B	Consumer	7.54Y	125.7	0.00	0.28	0.02	0	0	0	100	0.00	0.0	2.107	0.000	0	0	1	1
519805	PL.24299	B	Consumer	7.54Y	125.7	0.00	0.28	0.71	0	5	2	93	0.00	0.0	2.107	0.000	5	2	1	1
072510	PL.8171	B	Consumer	7.55Y	125.8	0.00	0.24	0.00	0	0	0	100	0.00	0.0	2.034	0.000	0	0	0	0
072511	PL.12559	C	Consumer	7.55Y	125.9	0.00	0.14	0.51	0	3	2	83	0.00	0.0	1.983	0.000	3	2	1	1
PL.15393	PL.12559	A	1/0ACSR	7.56Y	126.0	-0.00	-0.05	0.19	0	1	1	71	0.00	0.0	1.995	0.013	0	0	0	0
		B		7.55Y	125.8	0.00	0.21	0.19	0	1	1	90					0	0	0	0
		C		7.55Y	125.9	0.00	0.14	0.72	0	5	2	93					0	0	0	1
PD.2124	PL.15393	A	fuse6AMP	7.56Y	126.0	0.00	-0.05	0.19	3	1	1	71	0.00	0.0	1.995	0.000	0	0	0	0
		B		7.55Y	125.8	0.00	0.21	0.19	3	1	1	90					0	0	0	0
		C		7.55Y	125.9	0.00	0.14	0.72	12	5	2	93					0	0	0	1
PL.15394	PD.2124	A	1/0ACSR	7.56Y	126.0	-0.00	-0.05	0.19	0	1	1	71	0.00	0.0	2.029	0.034	0	0	0	0
		B		7.55Y	125.8	0.00	0.21	0.19	0	1	1	90					0	0	0	0
		C		7.55Y	125.9	0.00	0.14	0.72	0	5	2	93					0	0	0	1
072527	PL.15394	A	Consumer	7.56Y	126.0	0.00	-0.05	0.19	0	1	1	71	0.00	0.0	2.029	0.000	1	1	0	0
		B		7.55Y	125.8	0.00	0.21	0.19	0	1	1	90					1	1	0	0
		C		7.55Y	125.9	0.00	0.14	0.19	0	1	1	90					1	1	0	0
072525	PL.15394	C	Consumer	7.55Y	125.9	0.00	0.14	0.00	0	0	0	100	0.00	0.0	2.029	0.000	0	0	0	0
PL.8172	PL.15394	C	4ACSR	7.55Y	125.9	0.00	0.14	0.54	0	4	1	97	0.00	0.0	2.043	0.014	0	0	0	1
PL.25167	PL.8172	C	4ACSR	7.55Y	125.9	0.00	0.14	0.54	0	4	1	97	0.00	0.0	2.055	0.011	0	0	0	1
PL.4903	PL.25167	C	4ACSR	7.55Y	125.9	0.00	0.14	0.54	0	4	1	97	0.00	0.0	2.081	0.026	0	0	0	1
PL.4904	PL.4903	C	4ACSR	7.55Y	125.9	0.00	0.14	0.54	0	4	1	97	0.00	0.0	2.098	0.017	0	0	0	1
072519	PL.4904	C	Consumer	7.55Y	125.9	0.00	0.14	0.54	0	4	1	97	0.00	0.0	2.098	0.000	4	1	1	1
PL.4902	PL.25167	C	4ACSR	7.55Y	125.9	0.00	0.14	0.00	0	0	0	100	0.00	0.0	2.077	0.022	0	0	0	0
072508	PL.4902	C	Consumer	7.55Y	125.9	0.00	0.14	0.00	0	0	0	100	0.00	0.0	2.077	0.000	0	0	0	0
PL.4909	PL.15391	A	1/0ACSR	7.56Y	126.0	0.00	-0.03	0.00	0	0	0	100	0.00	0.0	1.927	0.050	0	0	0	0
		B		7.55Y	125.8	0.00	0.15	0.00	0	0	0	100					0	0	0	0
		C		7.55Y	125.9	0.00	0.10	0.00	0	0	0	100					0	0	0	0
PL.4908	PL.4909	A	1/0ACSR	7.56Y	126.0	0.00	-0.03	0.00	0	0	0	100	0.00	0.0	1.949	0.022	0	0	0	0
		B		7.55Y	125.8	0.00	0.15	0.00	0	0	0	100					0	0	0	0
		C		7.55Y	125.9	0.00	0.10	0.00	0	0	0	100					0	0	0	0
PL.4910	PL.4908	A	1/0ACSR	7.56Y	126.0	0.00	-0.03	0.00	0	0	0	100	0.00	0.0	2.006	0.057	0	0	0	0
		B		7.55Y	125.8	0.00	0.15	0.00	0	0	0	100					0	0	0	0
		C		7.55Y	125.9	0.00	0.10	0.00	0	0	0	100					0	0	0	0
PL.4905	PL.4910	A	1/0ACSR	7.56Y	126.0	0.00	-0.03	0.00	0	0	0	100	0.00	0.0	2.111	0.105	0	0	0	0
		B		7.55Y	125.8	0.00	0.15	0.00	0	0	0	100					0	0	0	0
		C		7.55Y	125.9	0.00	0.10	0.00	0	0	0	100					0	0	0	0
PL.4906	PL.4905	A	1/0ACSR	7.56Y	126.0	0.00	-0.03	0.00	0	0	0	100	0.00	0.0	2.193	0.082	0	0	0	0
		B		7.55Y	125.8	0.00	0.15	0.00	0	0	0	100					0	0	0	0
		C		7.55Y	125.9	0.00	0.10	0.00	0	0	0	100					0	0	0	0
PL.4907	PL.4906	A	1/0ACSR	7.56Y	126.0	0.00	-0.03	0.00	0	0	0	100	0.00	0.0	2.258	0.065	0	0	0	0
		B		7.55Y	125.8	0.00	0.15	0.00	0	0	0	100					0	0	0	0
		C		7.55Y	125.9	0.00	0.10	0.00	0	0	0	100					0	0	0	0
PL.4607	PL.4907	A	1/0ACSR	7.56Y	126.0	0.00	-0.03	0.00	0	0	0	100	0.00	0.0	2.312	0.054	0	0	0	0
		B		7.55Y	125.8	0.00	0.15	0.00	0	0	0	100					0	0	0	0
		C		7.55Y	125.9	0.00	0.10	0.00	0	0	0	100					0	0	0	0
PL.4310	PL.4607	A	1/0ACSR	7.56Y	126.0	0.00	-0.03	0.00	0	0	0	100	0.00	0.0	2.348	0.036	0	0	0	0
		B		7.55Y	125.8	0.00	0.15	0.00	0	0	0	100					0	0	0	0
		C		7.55Y	125.9	0.00	0.10	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: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.4676	PL.4310	A	1/0ACSR	7.56Y	126.0	0.00	-0.03	0.00	0	0	0	100	0.00	0.0	2.401	0.053	0	0	0	0
		B		7.55Y	125.8	0.00	0.15	0.00	0	0	0	100					0	0	0	0
		C		7.55Y	125.9	0.00	0.10	0.00	0	0	0	100					0	0	0	0
072524	PL.20083	B	Consumer	7.50Y	125.0	0.00	0.97	0.08	0	1	0	100	0.00	0.0	1.499	0.000	1	0	1	1
072507	PL.20083	B	Consumer	7.50Y	125.0	0.00	0.97	0.00	0	0	0	100	0.00	0.0	1.499	0.000	0	0	0	0
072526	PL.20083	B	Consumer	7.50Y	125.0	0.00	0.97	0.11	0	1	0	100	0.00	0.0	1.499	0.000	1	0	1	1
PL.15080	PL.20081	C	4ACSR	7.52Y	125.3	0.00	0.72	2.14	1	15	6	93	0.00	0.0	1.369	0.005	0	0	0	3
PD.2134	PL.15080	C	fuse6AMP	7.52Y	125.3	0.00	0.72	2.14	37	15	6	93	0.00	0.0	1.369	0.000	0	0	0	3
PL.15081	PD.2134	C	4ACSR	7.52Y	125.3	0.00	0.72	2.14	1	15	6	93	0.00	0.0	1.402	0.033	0	0	0	3
PL.12558	PL.15081	C	4ACSR	7.52Y	125.3	0.00	0.72	2.14	1	15	6	93	0.00	0.0	1.425	0.023	0	0	0	3
PL.8206	PL.12558	C	4ACSR	7.52Y	125.3	0.01	0.73	2.14	1	15	6	93	0.00	0.0	1.489	0.064	0	0	0	3
073514	PL.8206	C	Consumer	7.52Y	125.3	0.00	0.73	0.50	0	4	1	97	0.00	0.0	1.489	0.000	4	1	1	1
PL.8210	PL.8206	C	4ACSR	7.52Y	125.3	0.00	0.73	1.64	1	12	4	95	0.00	0.0	1.522	0.034	0	0	0	2
PL.8211	PL.8210	C	4ACSR	7.52Y	125.3	0.00	0.73	1.64	1	12	4	95	0.00	0.0	1.538	0.015	0	0	0	2
073521	PL.8211	C	Consumer	7.52Y	125.3	0.00	0.73	1.39	0	10	4	93	0.00	0.0	1.538	0.000	10	4	1	1
073523	PL.8211	C	Consumer	7.52Y	125.3	0.00	0.73	0.00	0	0	0	100	0.00	0.0	1.538	0.000	0	0	0	0
073503	PL.8211	C	Consumer	7.52Y	125.3	0.00	0.73	0.25	0	2	1	89	0.00	0.0	1.538	0.000	2	1	1	1
073539	PL.8210	C	Consumer	7.52Y	125.3	0.00	0.73	0.00	0	0	0	100	0.00	0.0	1.522	0.000	0	0	0	0
073529	PL.20081	B	Consumer	7.51Y	125.1	0.00	0.89	1.52	0	11	4	94	0.00	0.0	1.363	0.000	11	4	1	1
073519	PL.20081	A	Consumer	7.58Y	126.3	0.00	-0.26	0.00	0	0	0	100	0.00	0.0	1.363	0.000	0	0	0	0
073525	PL.20080	B	Consumer	7.51Y	125.1	0.00	0.87	0.39	0	3	1	95	0.00	0.0	1.322	0.000	3	1	1	1
073520	PL.20080	B	Consumer	7.51Y	125.1	0.00	0.87	0.52	0	4	1	97	0.00	0.0	1.322	0.000	4	1	1	1
073526	PL.20080	B	Consumer	7.51Y	125.1	0.00	0.87	0.02	0	0	0	100	0.00	0.0	1.322	0.000	0	0	1	1
073536	PL.12555	B	Consumer	7.51Y	125.2	0.00	0.83	0.02	0	0	0	100	0.00	0.0	1.255	0.000	0	0	1	1
073515	PL.12555	B	Consumer	7.51Y	125.2	0.00	0.83	0.40	0	3	1	95	0.00	0.0	1.255	0.000	3	1	1	1
073530	PL.12556	B	Consumer	7.51Y	125.2	0.00	0.78	0.34	0	2	1	89	0.00	0.0	1.183	0.000	2	1	1	1
073532	PL.12556	B	Consumer	7.51Y	125.2	0.00	0.78	1.51	0	11	4	94	0.00	0.0	1.183	0.000	11	4	1	1
PL.15078	PL.12553	C	4ACSR	7.52Y	125.4	0.00	0.64	5.56	3	39	15	93	0.00	0.0	1.162	0.005	0	0	0	5
C PD.2135	PL.15078	C	fuse6AMP	7.52Y	125.4	0.00	0.64	5.56	95	39	15	93	0.00	0.0	1.162	0.000	0	0	0	5 C
PL.15079	PD.2135	C	4ACSR	7.52Y	125.3	0.02	0.66	5.56	3	39	15	93	0.01	0.0	1.248	0.086	0	0	0	5
073533	PL.15079	C	Consumer	7.52Y	125.3	0.00	0.66	1.40	0	10	4	93	0.00	0.0	1.248	0.000	10	4	1	1
073504	PL.15079	C	Consumer	7.52Y	125.3	0.00	0.66	0.00	0	0	0	100	0.00	0.0	1.248	0.000	0	0	0	0
073510	PL.15079	C	Consumer	7.52Y	125.3	0.00	0.66	0.69	0	5	2	93	0.00	0.0	1.248	0.000	5	2	1	1
PL.12554	PL.15079	C	4ACSR	7.52Y	125.3	0.01	0.67	3.47	2	24	9	94	0.00	0.0	1.318	0.069	0	0	0	3
PL.24455	PL.12554	C	4ACSR	7.52Y	125.3	0.01	0.68	3.47	2	24	9	94	0.00	0.0	1.394	0.077	0	0	0	3
PL.24456	PL.24455	C	4ACSR	7.52Y	125.3	0.00	0.69	2.05	1	14	5	94	0.00	0.0	1.439	0.044	0	0	0	2
PL.24457	PL.24456	C	4ACSR	7.52Y	125.3	0.00	0.69	2.05	1	14	5	94	0.00	0.0	1.470	0.031	0	0	0	2
PL.4677	PL.24457	C	4ACSR	7.52Y	125.3	0.00	0.70	2.05	1	14	5	94	0.00	0.0	1.519	0.049	0	0	0	2
PL.4679	PL.4677	C	4ACSR	7.52Y	125.3	0.01	0.70	2.05	1	14	5	94	0.00	0.0	1.595	0.076	0	0	0	2

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: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.4678	PL.4679	C	4ACSR	7.52Y	125.3	0.01	0.71	2.05	1	14	5	94	0.00	0.0	1.672	0.077	0	0	0	2
073611	PL.4678	C	Consumer	7.52Y	125.3	0.00	0.71	1.63	0	11	4	94	0.00	0.0	1.672	0.000	11	4	1	1
0736014	PL.4678	C	Consumer	7.52Y	125.3	0.00	0.71	0.41	0	3	1	95	0.00	0.0	1.672	0.000	3	1	1	1
073535	PL.24455	C	Consumer	7.52Y	125.3	0.00	0.68	1.43	0	10	4	93	0.00	0.0	1.394	0.000	10	4	1	1
PL.15076	PL.12738	C	4ACSR	7.53Y	125.5	0.00	0.54	5.59	3	39	15	93	0.00	0.0	0.975	0.005	0	0	0	6
C PD.2119	PL.15076	C	fuse6AMP	7.53Y	125.5	0.00	0.54	5.59	96	39	15	93	0.00	0.0	0.975	0.000	0	0	0	6 C
PL.15077	PD.2119	C	4ACSR	7.53Y	125.4	0.01	0.56	5.59	3	39	15	93	0.00	0.0	1.022	0.047	0	0	0	6
PL.24451	PL.15077	C	4ACSR	7.53Y	125.4	0.00	0.56	0.61	0	4	2	89	0.00	0.0	1.077	0.056	0	0	0	1
073511	PL.24451	C	Consumer	7.53Y	125.4	0.00	0.56	0.61	0	4	2	89	0.00	0.0	1.077	0.000	4	2	1	1
PL.12551	PL.15077	C	4ACSR	7.53Y	125.4	0.01	0.57	4.98	3	35	13	94	0.00	0.0	1.065	0.044	0	0	0	5
PL.12552	PL.12551	C	4ACSR	7.53Y	125.4	0.01	0.58	3.40	2	24	9	94	0.00	0.0	1.142	0.077	0	0	0	4
PL.24454	PL.12552	C	4ACSR	7.52Y	125.4	0.01	0.58	2.03	1	14	5	94	0.00	0.0	1.212	0.070	0	0	0	2
0735042	PL.24454	C	Consumer	7.52Y	125.4	0.00	0.58	0.86	0	6	2	95	0.00	0.0	1.212	0.000	6	2	1	1
073513	PL.24454	C	Consumer	7.52Y	125.4	0.00	0.58	1.16	0	8	3	94	0.00	0.0	1.212	0.000	8	3	1	1
073512	PL.12552	C	Consumer	7.53Y	125.4	0.00	0.58	0.42	0	3	1	95	0.00	0.0	1.142	0.000	3	1	1	1
PL.24452	PL.12552	C	4ACSR	7.53Y	125.4	0.00	0.58	0.96	0	7	3	92	0.00	0.0	1.226	0.084	0	0	0	1
PL.24453	PL.24452	C	4ACSR	7.53Y	125.4	0.00	0.58	0.96	0	7	3	92	0.00	0.0	1.255	0.029	0	0	0	1
PL.3965	PL.24453	C	4ACSR	7.52Y	125.4	0.00	0.59	0.96	0	7	3	92	0.00	0.0	1.356	0.101	0	0	0	1
073601	PL.3965	C	Consumer	7.52Y	125.4	0.00	0.59	0.96	0	7	3	92	0.00	0.0	1.356	0.000	7	3	1	1
073524	PL.12551	C	Consumer	7.53Y	125.4	0.00	0.57	1.58	0	11	4	94	0.00	0.0	1.065	0.000	11	4	1	1
PL.24462	PL.12737	A	4ACSR	7.57Y	126.2	0.00	-0.17	1.00	1	7	3	92	0.00	0.0	0.927	0.067	0	0	0	1
073538	PL.24462	A	Consumer	7.57Y	126.2	0.00	-0.17	1.00	0	7	3	92	0.00	0.0	0.927	0.000	7	3	1	1
073516	PL.12737	B	Consumer	7.53Y	125.4	0.00	0.56	0.22	0	2	1	89	0.00	0.0	0.860	0.000	2	1	1	1
PL.15074	PL.12737	B	4ACSR	7.53Y	125.4	0.00	0.56	1.70	1	12	5	92	0.00	0.0	0.866	0.005	0	0	0	3
PD.2199	PL.15074	B	fuse6AMP	7.53Y	125.4	0.00	0.56	1.70	29	12	5	92	0.00	0.0	0.866	0.000	0	0	0	3
PL.15075	PD.2199	B	4ACSR	7.53Y	125.4	0.01	0.57	1.70	1	12	5	92	0.00	0.0	0.973	0.107	0	0	0	3
073537	PL.15075	B	Consumer	7.53Y	125.4	0.00	0.57	0.95	0	7	3	92	0.00	0.0	0.973	0.000	7	3	1	1
PL.24464	PL.15075	B	4ACSR	7.53Y	125.4	0.00	0.57	0.75	0	5	2	93	0.00	0.0	1.086	0.113	0	0	0	2
073540	PL.24464	B	Consumer	7.53Y	125.4	0.00	0.57	0.60	0	4	2	89	0.00	0.0	1.086	0.000	4	2	1	1
073543	PL.24464	B	Consumer	7.53Y	125.4	0.00	0.57	0.15	0	1	0	100	0.00	0.0	1.086	0.000	1	0	1	1
073502	PL.12736	B	Consumer	7.53Y	125.5	0.00	0.51	0.08	0	1	0	100	0.00	0.0	0.789	0.000	1	0	1	1
PL.15072	PL.12735	C	4ACSR	7.54Y	125.7	0.00	0.34	0.91	0	6	2	95	0.00	0.0	0.658	0.005	0	0	0	2
PD.2198	PL.15072	C	fuse6AMP	7.54Y	125.7	0.00	0.34	0.91	16	6	2	95	0.00	0.0	0.658	0.000	0	0	0	2
PL.15073	PD.2198	C	4ACSR	7.54Y	125.7	0.00	0.35	0.91	0	6	2	95	0.00	0.0	0.770	0.111	0	0	0	2
0735044	PL.15073	C	Consumer	7.54Y	125.7	0.00	0.35	0.63	0	4	2	89	0.00	0.0	0.770	0.000	4	2	1	1
073509	PL.15073	C	Consumer	7.54Y	125.7	0.00	0.35	0.29	0	2	1	89	0.00	0.0	0.770	0.000	2	1	1	1
073507	PL.15073	C	Consumer	7.54Y	125.7	0.00	0.35	0.00	0	0	0	100	0.00	0.0	0.770	0.000	0	0	0	0
PL.15070	PL.12733	A	4ACSR	7.57Y	126.1	0.00	-0.11	0.00	0	0	0	100	0.00	0.0	0.583	0.005	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: HARDWICH'S C...

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.2136	PL.15070	A	fuse6AMP	7.57Y	126.1	0.00	-0.11	0.00	0	0	0	100	0.00	0.0	0.583	0.000	0	0	0	0
PL.15071	PD.2136	A	4ACSR	7.57Y	126.1	0.00	-0.11	0.00	0	0	0	100	0.00	0.0	0.622	0.038	0	0	0	0
PL.15068	PL.12732	C	4ACSR	7.55Y	125.8	0.00	0.22	0.48	0	3	1	95	0.00	0.0	0.471	0.005	0	0	0	1
PD.2137	PL.15068	C	fuse6AMP	7.55Y	125.8	0.00	0.22	0.48	8	3	1	95	0.00	0.0	0.471	0.000	0	0	0	1
PL.15069	PD.2137	C	4ACSR	7.55Y	125.8	0.00	0.22	0.48	0	3	1	95	0.00	0.0	0.529	0.058	0	0	0	1
073518	PL.15069	C	Consumer	7.55Y	125.8	0.00	0.22	0.48	0	3	1	95	0.00	0.0	0.529	0.000	3	1	1	1
PL.15066	PL.15311	C	4ACSR	7.55Y	125.9	0.00	0.15	1.07	1	8	3	94	0.00	0.0	0.366	0.005	0	0	0	3
PD.2139	PL.15066	C	fuse6AMP	7.55Y	125.9	0.00	0.15	1.07	18	8	3	94	0.00	0.0	0.366	0.000	0	0	0	3
PL.15067	PD.2139	C	4ACSR	7.55Y	125.8	0.01	0.16	1.07	1	8	3	94	0.00	0.0	0.581	0.216	0	0	0	3
PL.3961	PL.15067	C	4ACSR	7.55Y	125.8	0.00	0.16	1.07	1	8	3	94	0.00	0.0	0.649	0.068	0	0	0	3
074605	PL.3961	C	Consumer	7.55Y	125.8	0.00	0.16	1.01	0	7	3	92	0.00	0.0	0.649	0.000	7	3	1	1
PL.3963	PL.3961	C	4ACSR	7.55Y	125.8	0.00	0.16	0.00	0	0	0	100	0.00	0.0	0.748	0.099	0	0	0	1
074607	PL.3963	C	Consumer	7.55Y	125.8	0.00	0.16	0.00	0	0	0	100	0.00	0.0	0.748	0.000	0	0	1	1
074610	PL.3963	C	Consumer	7.55Y	125.8	0.00	0.16	0.00	0	0	0	100	0.00	0.0	0.748	0.000	0	0	0	0
PL.3964	PL.3961	C	4ACSR	7.55Y	125.8	0.00	0.16	0.06	0	0	0	100	0.00	0.0	0.708	0.059	0	0	0	1
PL.3962	PL.3964	C	4ACSR	7.55Y	125.8	0.00	0.16	0.06	0	0	0	100	0.00	0.0	0.761	0.053	0	0	0	1
074608	PL.3962	C	Consumer	7.55Y	125.8	0.00	0.16	0.06	0	0	0	100	0.00	0.0	0.761	0.000	0	0	1	1

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

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	3887	0	0	0	0	0	133	0.00	4020
KVAR	1480	0	-328	0	0	0	169		1321

	Lowest Voltage	Highest Accumulated Voltage Drop	Highest Element Voltage Drop
A-Phase	-> 118.07 volts on PL.32827	7.93 volts on PL.32827	0.44 volts on PL.12783
B-Phase	-> 117.48 volts on PL.8175	8.52 volts on PL.8175	1.70 volts on PL.46028
C-Phase	-> 112.60 volts on PL.25295	13.40 volts on PL.25295	0.82 volts on PL.44344

Unbalanced Voltage Drop Report
Source: HIGH ROCK

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
HIGH ROCK		A	HIGH ROCK	7.56Y	126.0	0.00	0.00	88.75	0	657	134	98	0.00	0.0	0.000	0.000	0	0	0	206
		B		7.56Y	126.0	0.00	0.00	0.00	0	0	0	100					0	0	0	0
		C		7.56Y	126.0	0.00	0.00	0.00	0	0	0	100					0	0	0	0
PL.28959	HIGH ROCK	A	1/0ACSR	7.56Y	126.0	0.01	0.01	88.75	27	657	134	98	0.03	0.0	0.004	0.004	0	0	0	206
PL.32944	PL.28959	A	1/0ACSR	7.56Y	126.0	0.01	0.01	88.75	27	657	134	98	0.03	0.0	0.007	0.004	0	0	0	206
---------- Feeder No. 1 (HIGHROCK1) Beginning with Device PD.3933 ----------																				
C PD.3933	PL.32944	A	70E	7.56Y	126.0	0.00	0.01	88.75	127	657	134	98	0.00	0.0	0.007	0.000	0	0	0	206 C
PL.32945	PD.3933	A	1/0ACSR	7.56Y	125.9	0.04	0.06	88.75	27	657	134	98	0.18	0.0	0.028	0.021	0	0	0	206
PL.46110	PL.32945	A	1/0ACSR	7.56Y	125.9	0.02	0.07	88.75	27	657	133	98	0.08	0.0	0.037	0.009	0	0	0	206
C RG.28	PL.46110	A	1ph-100A-7	7.56Y	126.0	-0.07	0.00	88.75	89	657	133	98	percent Boost= 0.06 Tap= 0.1							206 C
PL.46111	RG.28	A	1/0ACSR	7.56Y	125.9	0.07	0.07	88.70	27	657	133	98	0.32	0.0	0.074	0.037	0	0	0	206
PL.28129	PL.46111	A	4ACSR	7.55Y	125.9	0.02	0.09	48.33	25	358	71	98	0.05	0.0	0.084	0.009	0	0	0	91
PL.28130	PL.28129	A	1/0ACSR	7.55Y	125.8	0.07	0.17	48.33	15	358	71	98	0.17	0.0	0.151	0.068	0	0	0	91
PL.16321	PL.28130	A	1/0ACSR	7.55Y	125.8	0.05	0.22	48.33	15	358	71	98	0.13	0.0	0.202	0.051	0	0	0	91
PD.3458	PL.16321	A	0VXE	7.55Y	125.8	0.00	0.22	48.33	0	358	71	98	0.00	0.0	0.202	0.000	0	0	0	91
PL.16322	PD.3458	A	2ACSR	7.54Y	125.7	0.07	0.29	48.33	19	358	71	98	0.17	0.0	0.247	0.045	0	0	0	91
PL.16324	PL.16322	A	4ACSR	7.54Y	125.7	0.00	0.29	0.40	0	3	1	95	0.00	0.0	0.254	0.007	0	0	0	1
PD.2048	PL.16324	A	fuse6AMP	7.54Y	125.7	0.00	0.29	0.40	7	3	1	95	0.00	0.0	0.254	0.000	0	0	0	1
PL.16325	PD.2048	A	4ACSR	7.54Y	125.7	0.00	0.29	0.40	0	3	1	95	0.00	0.0	0.314	0.060	0	0	0	1
085605	PL.16325	A	Consumer	7.54Y	125.7	0.00	0.29	0.40	0	3	1	95	0.00	0.0	0.314	0.000	3	1	1	1
PL.16323	PL.16322	A	2ACSR	7.53Y	125.6	0.15	0.43	47.93	19	355	70	98	0.37	0.1	0.348	0.101	0	0	0	90
PL.16326	PL.16323	A	2ACSR	7.51Y	125.2	0.37	0.80	47.02	19	348	69	98	0.91	0.3	0.606	0.258	0	0	0	89
PL.5216	PL.16326	A	4ACSR	7.51Y	125.2	0.01	0.81	1.30	1	10	2	98	0.00	0.0	0.765	0.159	0	0	0	1
085628	PL.5216	A	Consumer	7.51Y	125.2	0.00	0.81	1.30	0	10	2	98	0.00	0.0	0.765	0.000	10	2	1	1
PL.27725	PL.16326	A	2ACSR	7.50Y	125.0	0.17	0.97	45.73	18	337	66	98	0.41	0.1	0.728	0.122	0	0	0	88
PD.748-A	PL.27725	A	Closed	7.50Y	125.0	0.00	0.97	45.73	0	337	66	98	0.00	0.0	0.728	0.000	0	0	0	88
PD.748-B	PD.748-A	A	Closed	7.50Y	125.0	0.00	0.97	45.73	0	337	66	98	0.00	0.0	0.728	0.000	0	0	0	88
PL.27726	PD.748-B	A	4ACSR	7.50Y	125.0	0.01	0.99	45.73	24	337	66	98	0.04	0.0	0.735	0.007	0	0	0	88
PL.17477	PL.27726	A	4ACSR	7.50Y	125.0	0.01	1.00	45.73	24	337	66	98	0.04	0.0	0.742	0.007	0	0	0	87
PL.18809	PL.17477	A	4ACSR	7.50Y	125.0	0.02	1.03	45.73	24	337	66	98	0.06	0.0	0.754	0.012	0	0	0	87
PD.749-A	PL.18809	A	Closed	7.50Y	125.0	0.00	1.03	45.73	0	337	66	98	0.00	0.0	0.754	0.000	0	0	0	87
PD.749-B	PD.749-A	A	Closed	7.50Y	125.0	0.00	1.03	45.73	0	337	66	98	0.00	0.0	0.754	0.000	0	0	0	87
PL.18810	PD.749-B	A	4ACSR	7.49Y	124.9	0.11	1.14	45.73	24	337	66	98	0.28	0.1	0.809	0.055	0	0	0	87
PL.14198	PL.18810	A	4ACSR	7.49Y	124.8	0.11	1.25	45.35	23	334	65	98	0.27	0.1	0.864	0.055	0	0	0	86
PL.8465	PL.14198	A	4ACSR	7.48Y	124.7	0.04	1.29	45.35	23	333	65	98	0.10	0.0	0.884	0.020	0	0	0	85
086629	PL.8465	A	Consumer	7.48Y	124.7	0.00	1.29	0.45	0	3	1	95	0.00	0.0	0.884	0.000	3	1	1	1
086633	PL.8465	A	Consumer	7.48Y	124.7	0.00	1.29	0.00	0	0	0	100	0.00	0.0	0.884	0.000	0	0	0	0
086624	PL.8465	A	Consumer	7.48Y	124.7	0.00	1.29	0.00	0	0	0	100	0.00	0.0	0.884	0.000	0	0	0	0
PL.26846	PL.8465	A	4ACSR	7.48Y	124.7	0.00	1.29	0.50	0	4	1	97	0.00	0.0	0.896	0.012	0	0	0	1

Unbalanced Voltage Drop Report
Source: HIGH ROCK

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.1809	PL.26846	A	fuse6AMP	7.48Y	124.7	0.00	1.29	0.50	9	4	1	97	0.00	0.0	0.896	0.000	0	0	0	1
PL.26847	PD.1809	A	4ACSR	7.48Y	124.7	0.00	1.29	0.50	0	4	1	97	0.00	0.0	0.969	0.074	0	0	0	1
086614	PL.26847	A	Consumer	7.48Y	124.7	0.00	1.29	0.50	0	4	1	97	0.00	0.0	0.969	0.000	4	1	1	1
PL.26844	PL.8465	A	4ACSR	7.48Y	124.7	0.00	1.29	1.57	1	12	2	99	0.00	0.0	0.894	0.010	0	0	0	2
PD.1808	PL.26844	A	fuse6AMP	7.48Y	124.7	0.00	1.29	1.57	27	12	2	99	0.00	0.0	0.894	0.000	0	0	0	2
PL.26845	PD.1808	A	4ACSR	7.48Y	124.7	0.00	1.29	1.57	1	12	2	99	0.00	0.0	0.960	0.066	0	0	0	2
086636	PL.26845	A	Consumer	7.48Y	124.7	0.00	1.29	0.00	0	0	0	100	0.00	0.0	0.960	0.000	0	0	1	1
086634	PL.26845	A	Consumer	7.48Y	124.7	0.00	1.29	1.57	0	12	2	99	0.00	0.0	0.960	0.000	12	2	1	1
PL.8466	PL.8465	A	4ACSR	7.48Y	124.6	0.09	1.38	42.83	22	315	61	98	0.21	0.1	0.933	0.049	0	0	0	81
086641	PL.8466	A	Consumer	7.48Y	124.6	0.00	1.38	1.19	0	9	2	98	0.00	0.0	0.933	0.000	9	2	1	1
PL.14199	PL.8466	A	4ACSR	7.47Y	124.5	0.08	1.45	41.64	21	306	59	98	0.17	0.1	0.975	0.042	0	0	0	80
PL.26842	PL.14199	A	4ACSR	7.47Y	124.5	0.00	1.45	1.46	1	11	2	98	0.00	0.0	0.984	0.009	0	0	0	3
PD.1810	PL.26842	A	fuse6AMP	7.47Y	124.5	0.00	1.45	1.46	25	11	2	98	0.00	0.0	0.984	0.000	0	0	0	3
PL.26843	PD.1810	A	4ACSR	7.47Y	124.5	0.00	1.46	1.46	1	11	2	98	0.00	0.0	1.014	0.031	0	0	0	3
PL.8459	PL.26843	A	4ACSR	7.47Y	124.5	0.01	1.46	1.46	1	11	2	98	0.00	0.0	1.102	0.088	0	0	0	3
PL.8460	PL.8459	A	4ACSR	7.47Y	124.5	0.00	1.46	0.15	0	1	0	100	0.00	0.0	1.140	0.038	0	0	0	1
086625	PL.8460	A	Consumer	7.47Y	124.5	0.00	1.46	0.15	0	1	0	100	0.00	0.0	1.140	0.000	1	0	1	1
086639	PL.8459	A	Consumer	7.47Y	124.5	0.00	1.46	0.00	0	0	0	100	0.00	0.0	1.102	0.000	0	0	1	1
086626	PL.8459	A	Consumer	7.47Y	124.5	0.00	1.46	1.31	0	10	2	98	0.00	0.0	1.102	0.000	10	2	1	1
PL.18349	PL.14199	A	4ACSR	7.47Y	124.5	0.01	1.46	39.14	20	287	56	98	0.02	0.0	0.980	0.005	0	0	0	75
PL.18350	PL.18349	A	4ACSR	7.47Y	124.5	0.01	1.47	39.14	20	287	56	98	0.01	0.0	0.984	0.004	0	0	0	75
PL.45365	PL.18350	A	4ACSR	7.47Y	124.5	0.02	1.49	39.14	20	287	56	98	0.05	0.0	0.998	0.014	0	0	0	75
PD.751-A	PL.45365	A	Closed	7.47Y	124.5	0.00	1.49	39.14	0	287	56	98	0.00	0.0	0.998	0.000	0	0	0	75
PD.751-B	PD.751-A	A	Closed	7.47Y	124.5	0.00	1.49	39.14	0	287	56	98	0.00	0.0	0.998	0.000	0	0	0	75
PL.45367	PD.751-B	A	4ACSR	7.47Y	124.5	0.01	1.50	39.14	20	287	56	98	0.02	0.0	1.004	0.006	0	0	0	75
PL.45368	PL.45367	A	4ACSR	7.46Y	124.4	0.13	1.63	39.14	20	287	56	98	0.28	0.1	1.080	0.076	0	0	0	75
086635	PL.45368	A	Consumer	7.46Y	124.4	0.00	1.63	1.23	0	9	2	98	0.00	0.0	1.080	0.000	9	2	1	1
086640	PL.45368	A	Consumer	7.46Y	124.4	0.00	1.63	0.74	0	5	1	98	0.00	0.0	1.080	0.000	5	1	1	1
086617	PL.45368	A	Consumer	7.46Y	124.4	0.00	1.63	0.00	0	0	0	100	0.00	0.0	1.080	0.000	0	0	1	1
PL.14200	PL.45368	A	4ACSR	7.45Y	124.2	0.17	1.80	37.17	19	272	53	98	0.34	0.1	1.182	0.102	0	0	0	72
PL.27745	PL.14200	A	4ACSR	7.45Y	124.2	0.00	1.80	2.13	1	16	3	98	0.00	0.0	1.196	0.014	0	0	0	2
PD.1811	PL.27745	A	fuse6AMP	7.45Y	124.2	0.00	1.80	2.13	36	16	3	98	0.00	0.0	1.196	0.000	0	0	0	2
PL.27746	PD.1811	A	4ACSR	7.45Y	124.2	0.01	1.81	2.13	1	16	3	98	0.00	0.0	1.283	0.087	0	0	0	2
086620	PL.27746	A	Consumer	7.45Y	124.2	0.00	1.81	0.72	0	5	1	98	0.00	0.0	1.283	0.000	5	1	1	1
086638	PL.27746	A	Consumer	7.45Y	124.2	0.00	1.81	1.41	0	10	2	98	0.00	0.0	1.283	0.000	10	2	1	1
PL.19877	PL.14200	A	4ACSR	7.45Y	124.2	0.03	1.83	35.04	18	256	50	98	0.06	0.0	1.202	0.020	0	0	0	70
PL.19878	PL.19877	A	4ACSR	7.45Y	124.1	0.07	1.90	34.24	18	250	49	98	0.14	0.1	1.251	0.049	0	0	0	69
PL.14201	PL.19878	A	4ACSR	7.44Y	124.1	0.03	1.94	34.24	18	250	49	98	0.06	0.0	1.273	0.022	0	0	0	69

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: HIGH ROCK

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
086621	PL.14201	A	Consumer	7.44Y	124.1	0.00	1.94	0.70	0	5	1	98	0.00	0.0	1.273	0.000	5	1	1	1
086615	PL.14201	A	Consumer	7.44Y	124.1	0.00	1.94	0.00	0	0	0	100	0.00	0.0	1.273	0.000	0	0	0	0
086514	PL.14201	A	Consumer	7.44Y	124.1	0.00	1.94	0.50	0	4	1	97	0.00	0.0	1.273	0.000	4	1	1	1
PL.45425	PL.14201	A	4ACSR	7.43Y	123.9	0.21	2.14	33.05	17	241	47	98	0.37	0.2	1.415	0.142	0	0	0	67
PL.45426	PL.45425	A	4ACSR	7.43Y	123.8	0.05	2.19	33.05	17	241	47	98	0.10	0.0	1.452	0.037	0	0	0	67
086526	PL.45426	A	Consumer	7.43Y	123.8	0.00	2.19	0.76	0	6	1	99	0.00	0.0	1.452	0.000	6	1	1	1
086529	PL.45426	A	Consumer	7.43Y	123.8	0.00	2.19	0.14	0	1	0	100	0.00	0.0	1.452	0.000	1	0	1	1
086504	PL.45426	A	Consumer	7.43Y	123.8	0.00	2.19	0.00	0	0	0	100	0.00	0.0	1.452	0.000	0	0	0	0
086528	PL.45426	A	Consumer	7.43Y	123.8	0.00	2.19	0.00	0	0	0	100	0.00	0.0	1.452	0.000	0	0	0	0
086531	PL.45426	A	Consumer	7.43Y	123.8	0.00	2.19	1.49	0	11	2	98	0.00	0.0	1.452	0.000	11	2	1	1
086502	PL.45426	A	Consumer	7.43Y	123.8	0.00	2.19	0.39	0	3	1	95	0.00	0.0	1.452	0.000	3	1	1	1
PL.14202	PL.45426	A	4ACSR	7.42Y	123.7	0.11	2.31	30.26	16	221	43	98	0.19	0.1	1.537	0.085	0	0	0	63
PL.14203	PL.14202	A	4ACSR	7.42Y	123.7	0.04	2.34	27.52	14	200	39	98	0.05	0.0	1.567	0.030	0	0	0	60
086530	PL.14203	A	Consumer	7.42Y	123.7	0.00	2.34	0.63	0	5	1	98	0.00	0.0	1.567	0.000	5	1	1	1
PL.18993	PL.14203	A	4ACSR	7.41Y	123.6	0.08	2.42	26.89	14	196	38	98	0.11	0.1	1.632	0.065	0	0	0	59
PL.18994	PL.18993	A	4ACSR	7.41Y	123.6	0.02	2.44	26.32	14	192	37	98	0.03	0.0	1.651	0.019	0	0	0	58
PL.26697	PL.18994	A	4ACSR	7.41Y	123.5	0.01	2.45	25.00	13	182	35	98	0.02	0.0	1.661	0.010	0	0	0	54
PD.759-A	PL.26697	A	Closed	7.41Y	123.5	0.00	2.45	25.00	0	182	35	98	0.00	0.0	1.661	0.000	0	0	0	54
PD.759-B	PD.759-A	A	Closed	7.41Y	123.5	0.00	2.45	25.00	0	182	35	98	0.00	0.0	1.661	0.000	0	0	0	54
PL.26698	PD.759-B	A	4ACSR	7.41Y	123.5	0.08	2.53	25.00	13	182	35	98	0.10	0.1	1.732	0.070	0	0	0	54
PL.18711	PL.26698	A	4ACSR	7.41Y	123.4	0.05	2.57	24.12	12	175	34	98	0.06	0.0	1.775	0.043	0	0	0	52
086510	PL.18711	A	Consumer	7.41Y	123.4	0.00	2.57	0.58	0	4	1	97	0.00	0.0	1.775	0.000	4	1	1	1
PL.18712	PL.18711	A	4ACSR	7.40Y	123.4	0.03	2.60	23.54	12	171	33	98	0.04	0.0	1.803	0.028	0	0	0	51
PL.14204	PL.18712	A	4ACSR	7.39Y	123.2	0.15	2.76	21.86	11	159	31	98	0.18	0.1	1.962	0.159	0	0	0	49
PL.16027	PL.14204	A	4ACSR	7.39Y	123.1	0.14	2.89	21.84	11	158	31	98	0.16	0.1	2.104	0.142	0	0	0	48
PD.761-A	PL.16027	A	Closed	7.39Y	123.1	0.00	2.89	21.84	0	158	31	98	0.00	0.0	2.104	0.000	0	0	0	48
PD.761-B	PD.761-A	A	Closed	7.39Y	123.1	0.00	2.89	21.84	0	158	31	98	0.00	0.0	2.104	0.000	0	0	0	48
PL.26694	PD.761-B	A	4ACSR	7.38Y	123.0	0.07	2.96	21.84	11	158	31	98	0.08	0.1	2.174	0.070	0	0	0	48
PL.20479	PL.26694	A	4ACSR	7.38Y	123.0	0.07	3.02	21.84	11	158	31	98	0.08	0.1	2.244	0.070	0	0	0	48
PL.20480	PL.20479	A	4ACSR	7.37Y	122.9	0.11	3.13	21.84	11	158	31	98	0.13	0.1	2.357	0.113	0	0	0	48
PL.25036	PL.20480	A	4ACSR	7.35Y	122.6	0.32	3.45	21.84	11	158	31	98	0.38	0.2	2.690	0.334	0	0	0	48
PL.14205	PL.25036	A	4ACSR	7.35Y	122.5	0.07	3.52	21.27	11	154	30	98	0.08	0.0	2.761	0.071	0	0	0	47
PL.16025	PL.14205	A	4ACSR	7.35Y	122.5	0.00	3.52	0.82	0	6	1	99	0.00	0.0	2.770	0.009	0	0	0	2
PD.2281	PL.16025	A	fuse6AMP	7.35Y	122.5	0.00	3.52	0.82	14	6	1	99	0.00	0.0	2.770	0.000	0	0	0	2
PL.16026	PD.2281	A	4ACSR	7.35Y	122.5	0.00	3.52	0.82	0	6	1	99	0.00	0.0	2.858	0.088	0	0	0	2
086525	PL.16026	A	Consumer	7.35Y	122.5	0.00	3.52	0.82	0	6	1	99	0.00	0.0	2.858	0.000	6	1	1	1
PL.39420	PL.16026	A	2ACSR	7.35Y	122.5	0.00	3.52	0.00	0	0	0	100	0.00	0.0	2.997	0.139	0	0	0	1
0865035	PL.39420	A	Consumer	7.35Y	122.5	0.00	3.52	0.00	0	0	0	100	0.00	0.0	2.997	0.000	0	0	1	1

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

Unbalanced Voltage Drop Report
Source: HIGH ROCK

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
086512	PL.14205	A	Consumer	7.35Y	122.5	0.00	3.52	0.00	0	0	0	100	0.00	0.0	2.761	0.000	0	0	0	0
PL.14206	PL.14205	A	4ACSR	7.34Y	122.4	0.09	3.61	20.44	11	148	28	98	0.10	0.1	2.862	0.101	0	0	0	45
086412	PL.14206	A	Consumer	7.34Y	122.4	0.00	3.61	0.68	0	5	1	98	0.00	0.0	2.862	0.000	5	1	1	1
PL.20477	PL.14206	A	4ACSR	7.34Y	122.3	0.05	3.65	19.76	10	143	27	98	0.05	0.0	2.917	0.055	0	0	0	44
PL.20478	PL.20477	A	4ACSR	7.34Y	122.3	0.05	3.70	19.76	10	142	27	98	0.05	0.0	2.975	0.058	0	0	0	44
PL.41464	PL.20478	A	4ACSR	7.34Y	122.3	0.01	3.72	19.47	10	140	27	98	0.02	0.0	2.992	0.017	0	0	0	43
PD.7448-A	PL.41464	A	Closed	7.34Y	122.3	0.00	3.72	19.47	0	140	27	98	0.00	0.0	2.992	0.000	0	0	0	43
PD.7448-B	PD.7448-A	A	Closed	7.34Y	122.3	0.00	3.72	19.47	0	140	27	98	0.00	0.0	2.992	0.000	0	0	0	43
PL.41465	PD.7448-B	A	4ACSR	7.33Y	122.2	0.09	3.81	19.47	10	140	27	98	0.10	0.1	3.099	0.107	0	0	0	43
PL.15607	PL.41465	A	4ACSR	7.33Y	122.2	0.00	3.81	19.47	10	140	27	98	0.00	0.0	3.104	0.005	0	0	0	43
086410	PL.15607	A	Consumer	7.33Y	122.2	0.00	3.81	0.19	0	1	0	100	0.00	0.0	3.104	0.000	1	0	1	1
PL.8477	PL.15607	A	4ACSR	7.33Y	122.2	0.04	3.85	19.28	10	139	27	98	0.04	0.0	3.147	0.043	0	0	0	42
086423	PL.8477	A	Consumer	7.33Y	122.2	0.00	3.85	0.39	0	3	1	95	0.00	0.0	3.147	0.000	3	1	1	1
PL.13061	PL.8477	A	4ACSR	7.33Y	122.1	0.05	3.90	18.89	10	136	26	98	0.06	0.0	3.212	0.065	0	0	0	41
086417	PL.13061	A	Consumer	7.33Y	122.1	0.00	3.90	0.00	0	0	0	100	0.00	0.0	3.212	0.000	0	0	0	0
086406	PL.13061	A	Consumer	7.33Y	122.1	0.00	3.90	0.11	0	1	0	100	0.00	0.0	3.212	0.000	1	0	1	1
PL.20929	PL.13061	A	4ACSR	7.32Y	122.0	0.08	3.98	18.78	10	135	26	98	0.08	0.1	3.306	0.093	0	0	0	40
PL.20930	PL.20929	A	4ACSR	7.32Y	122.0	0.00	3.98	18.45	10	133	25	98	0.00	0.0	3.310	0.004	0	0	0	39
PL.20943	PL.20930	A	4ACSR	7.32Y	122.0	0.00	3.98	18.45	10	133	25	98	0.00	0.0	3.312	0.002	0	0	0	39
PL.20944	PL.20943	A	4ACSR	7.31Y	121.9	0.12	4.10	18.45	10	133	25	98	0.12	0.1	3.461	0.148	0	0	0	39
PL.18576	PL.20944	A	4ACSR	7.31Y	121.9	0.01	4.11	18.45	10	133	25	98	0.01	0.0	3.468	0.007	0	0	0	39
PD.3461	PL.18576	A	50V4E	7.31Y	121.9	0.00	4.11	18.45	37	133	25	98	0.00	0.0	3.468	0.000	0	0	0	39
PL.18577	PD.3461	A	4ACSR	7.31Y	121.8	0.06	4.17	18.45	10	133	25	98	0.06	0.0	3.544	0.076	0	0	0	39
PL.14396	PL.18577	A	4ACSR	7.31Y	121.8	0.02	4.19	18.18	9	131	25	98	0.02	0.0	3.564	0.019	0	0	0	37
PL.25303	PL.14396	A	4ACSR	7.28Y	121.4	0.41	4.60	18.18	9	130	25	98	0.41	0.3	4.081	0.517	0	0	0	37
PL.27616	PL.25303	A	4ACSR	7.28Y	121.3	0.09	4.69	18.18	9	130	25	98	0.09	0.1	4.200	0.120	0	0	0	37
PD.2487-A	PL.27616	A	Closed	7.28Y	121.3	0.00	4.69	18.18	0	130	25	98	0.00	0.0	4.200	0.000	0	0	0	37
PD.2487-B	PD.2487-A	A	Closed	7.28Y	121.3	0.00	4.69	18.18	0	130	25	98	0.00	0.0	4.200	0.000	0	0	0	37
PL.27617	PD.2487-B	A	4ACSR	7.28Y	121.3	0.01	4.70	18.18	9	130	25	98	0.01	0.0	4.209	0.009	0	0	0	37
PL.8322	PL.27617	A	4ACSR	7.26Y	121.0	0.26	4.96	16.88	9	121	23	98	0.24	0.2	4.558	0.348	0	0	0	35
087404	PL.8322	A	Consumer	7.26Y	121.0	0.00	4.96	0.06	0	0	0	100	0.00	0.0	4.558	0.000	0	0	1	1
087409	PL.8322	A	Consumer	7.26Y	121.0	0.00	4.96	1.72	0	12	2	99	0.00	0.0	4.558	0.000	12	2	1	1
PL.8483	PL.8322	A	4ACSR	7.26Y	121.0	0.04	5.00	15.10	8	108	20	98	0.03	0.0	4.619	0.061	0	0	0	33
PL.17910	PL.8483	A	4ACSR	7.26Y	121.0	0.00	5.00	6.35	3	45	9	98	0.00	0.0	4.626	0.007	0	0	0	13
PD.3656	PL.17910	A	25V4E	7.26Y	121.0	0.00	5.00	6.35	25	45	9	98	0.00	0.0	4.626	0.000	0	0	0	13
PL.21296	PD.3656	A	4ACSR	7.26Y	121.0	0.02	5.02	6.35	3	45	9	98	0.01	0.0	4.690	0.064	0	0	0	13
PL.21295	PL.21296	A	4ACSR	7.26Y	120.9	0.04	5.05	6.09	3	43	8	98	0.01	0.0	4.831	0.141	0	0	0	12
PL.14065	PL.21295	A	4ACSR	7.25Y	120.9	0.08	5.13	6.09	3	43	8	98	0.03	0.1	5.134	0.304	0	0	0	12

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: HIGH ROCK

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.8323	PL.14065	A	4ACSR	7.25Y	120.9	0.00	5.14	5.59	3	40	8	98	0.00	0.0	5.147	0.013	0	0	0	11
PL.17955	PL.8323	A	4ACSR	7.25Y	120.8	0.09	5.23	5.59	3	40	8	98	0.03	0.1	5.522	0.375	0	0	0	11
PL.39028	PL.17955	A	4ACSR	7.25Y	120.8	0.01	5.23	3.53	2	25	5	98	0.00	0.0	5.560	0.038	0	0	0	8
PD.6816-A	PL.39028	A	Closed	7.25Y	120.8	0.00	5.23	3.53	0	25	5	98	0.00	0.0	5.560	0.000	0	0	0	8
PD.6816-B	PD.6816-A	A	Closed	7.25Y	120.8	0.00	5.23	3.53	0	25	5	98	0.00	0.0	5.560	0.000	0	0	0	8
PL.39029	PD.6816-B	A	4ACSR	7.25Y	120.8	0.00	5.24	3.53	2	25	5	98	0.00	0.0	5.580	0.021	0	0	0	8
PL.17629	PL.39029	A	4ACSR	7.24Y	120.7	0.03	5.27	3.53	2	25	5	98	0.01	0.0	5.767	0.187	0	0	0	8
PL.17630	PL.17629	A	4ACSR	7.24Y	120.7	0.01	5.28	2.31	1	16	3	98	0.00	0.0	5.905	0.138	0	0	0	7
0883014	PL.17630	A	Consumer	7.24Y	120.7	0.00	5.28	0.00	0	0	0	100	0.00	0.0	5.905	0.000	0	0	0	0
PL.17957	PL.17630	A	4ACSR	7.24Y	120.7	0.01	5.29	2.27	1	16	3	98	0.00	0.0	6.015	0.110	0	0	0	6
PL.39032	PL.17957	A	4ACSR	7.24Y	120.7	0.00	5.29	0.77	0	5	1	98	0.00	0.0	6.027	0.013	0	0	0	1
PD.6818	PL.39032	A	fuse6AMP	7.24Y	120.7	0.00	5.29	0.77	13	5	1	98	0.00	0.0	6.027	0.000	0	0	0	1
PL.39033	PD.6818	A	4ACSR	7.24Y	120.7	0.00	5.29	0.77	0	5	1	98	0.00	0.0	6.065	0.038	0	0	0	1
088310	PL.39033	A	Consumer	7.24Y	120.7	0.00	5.29	0.77	0	5	1	98	0.00	0.0	6.065	0.000	5	1	1	1
PL.17958	PL.17957	A	4ACSR	7.24Y	120.7	0.00	5.29	1.51	1	11	2	98	0.00	0.0	6.067	0.052	0	0	0	5
PL.8482	PL.17958	A	4ACSR	7.24Y	120.7	0.01	5.31	1.44	1	10	2	98	0.00	0.0	6.262	0.195	0	0	0	4
088311	PL.8482	A	Consumer	7.24Y	120.7	0.00	5.31	0.01	0	0	0	100	0.00	0.0	6.262	0.000	0	0	1	1
PL.8481	PL.8482	A	4ACSR	7.24Y	120.7	0.00	5.31	1.43	1	10	2	98	0.00	0.0	6.324	0.062	0	0	0	3
PL.8478	PL.8481	A	4ACSR	7.24Y	120.7	0.00	5.31	0.56	0	4	1	97	0.00	0.0	6.420	0.096	0	0	0	2
PL.21681	PL.8478	A	4ACSR	7.24Y	120.7	0.00	5.31	0.33	0	2	0	100	0.00	0.0	6.483	0.063	0	0	0	1
088304	PL.21681	A	Consumer	7.24Y	120.7	0.00	5.31	0.33	0	2	0	100	0.00	0.0	6.483	0.000	2	0	1	1
088309	PL.8478	A	Consumer	7.24Y	120.7	0.00	5.31	0.23	0	2	0	100	0.00	0.0	6.420	0.000	2	0	1	1
088303	PL.8478	A	Consumer	7.24Y	120.7	0.00	5.31	0.00	0	0	0	100	0.00	0.0	6.420	0.000	0	0	0	0
088301	PL.8481	A	Consumer	7.24Y	120.7	0.00	5.31	0.86	0	6	1	99	0.00	0.0	6.324	0.000	6	1	1	1
088312	PL.17958	A	Consumer	7.24Y	120.7	0.00	5.29	0.07	0	0	0	100	0.00	0.0	6.067	0.000	0	0	1	1
PL.39034	PL.17630	A	2ACSR	7.24Y	120.7	0.00	5.28	0.04	0	0	0	100	0.00	0.0	5.912	0.007	0	0	0	1
PD.6819	PL.39034	A	fuse6AMP	7.24Y	120.7	0.00	5.28	0.04	1	0	0	100	0.00	0.0	5.912	0.000	0	0	0	1
PL.39035	PD.6819	A	2ACSR	7.24Y	120.7	0.00	5.28	0.04	0	0	0	100	0.00	0.0	5.955	0.042	0	0	0	1
0883013	PL.39035	A	Consumer	7.24Y	120.7	0.00	5.28	0.04	0	0	0	100	0.00	0.0	5.955	0.000	0	0	1	1
PL.39030	PL.17629	A	4ACSR	7.24Y	120.7	0.00	5.27	1.22	1	9	2	98	0.00	0.0	5.782	0.015	0	0	0	1
PD.6817	PL.39030	A	fuse6AMP	7.24Y	120.7	0.00	5.27	1.22	21	9	2	98	0.00	0.0	5.782	0.000	0	0	0	1
PL.39031	PD.6817	A	4ACSR	7.24Y	120.7	0.00	5.27	1.22	1	9	2	98	0.00	0.0	5.832	0.050	0	0	0	1
PL.39504	PL.39031	A	2ACSR	7.24Y	120.7	0.00	5.27	0.00	0	0	0	100	0.00	0.0	5.883	0.051	0	0	0	0
0873007	PL.39504	A	Consumer	7.24Y	120.7	0.00	5.27	0.00	0	0	0	100	0.00	0.0	5.883	0.000	0	0	0	0
087306	PL.39031	A	Consumer	7.24Y	120.7	0.00	5.27	1.22	0	9	2	98	0.00	0.0	5.832	0.000	9	2	1	1
PL.39026	PL.17955	A	4ACSR	7.25Y	120.8	0.00	5.23	0.85	0	6	1	99	0.00	0.0	5.527	0.005	0	0	0	2
PD.6815	PL.39026	A	fuse6AMP	7.25Y	120.8	0.00	5.23	0.85	14	6	1	99	0.00	0.0	5.527	0.000	0	0	0	2
PL.39027	PD.6815	A	4ACSR	7.25Y	120.8	0.00	5.23	0.85	0	6	1	99	0.00	0.0	5.595	0.068	0	0	0	2

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Title:
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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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
087305	PL.39027	A	Consumer	7.25Y	120.8	0.00	5.23	0.05	0	0	0	100	0.00	0.0	5.595	0.000	0	0	1	1
087303	PL.39027	A	Consumer	7.25Y	120.8	0.00	5.23	0.80	0	6	1	99	0.00	0.0	5.595	0.000	6	1	1	1
088307	PL.17955	A	Consumer	7.25Y	120.8	0.00	5.23	1.21	0	9	2	98	0.00	0.0	5.522	0.000	9	2	1	1
PL.5299	PL.8323	A	4ACSR	7.25Y	120.9	0.00	5.14	0.00	0	0	0	100	0.00	0.0	5.150	0.003	0	0	0	0
087414	PL.14065	A	Consumer	7.25Y	120.9	0.00	5.13	0.50	0	4	1	97	0.00	0.0	5.134	0.000	4	1	1	1
087411	PL.21295	A	Consumer	7.26Y	120.9	0.00	5.05	0.00	0	0	0	100	0.00	0.0	4.831	0.000	0	0	0	0
PL.21294	PL.21296	A	4ACSR	7.26Y	121.0	0.00	5.02	0.27	0	2	0	100	0.00	0.0	4.761	0.072	0	0	0	1
087412	PL.21294	A	Consumer	7.26Y	121.0	0.00	5.02	0.27	0	2	0	100	0.00	0.0	4.761	0.000	2	0	1	1
PL.17911	PL.8483	A	4ACSR	7.26Y	121.0	0.01	5.00	8.74	5	62	12	98	0.00	0.0	4.636	0.017	0	0	0	20
PD.3465	PL.17911	A	25V4E	7.26Y	121.0	0.00	5.00	8.74	35	62	12	98	0.00	0.0	4.636	0.000	0	0	0	20
PL.17912	PD.3465	A	4ACSR	7.26Y	121.0	0.02	5.02	8.74	5	62	12	98	0.01	0.0	4.676	0.040	0	0	0	20
PL.25304	PL.17912	A	4ACSR	7.26Y	121.0	0.03	5.04	8.74	5	62	12	98	0.01	0.0	4.742	0.066	0	0	0	20
PL.25305	PL.25304	A	4ACSR	7.26Y	120.9	0.02	5.07	8.74	5	62	12	98	0.01	0.0	4.807	0.065	0	0	0	20
087407	PL.25305	A	Consumer	7.26Y	120.9	0.00	5.07	0.71	0	5	1	98	0.00	0.0	4.807	0.000	5	1	1	1
0874015	PL.25305	A	Consumer	7.26Y	120.9	0.00	5.07	0.00	0	0	0	100	0.00	0.0	4.807	0.000	0	0	1	1
PL.17960	PL.25305	A	4ACSR	7.25Y	120.9	0.03	5.10	8.03	4	57	11	98	0.01	0.0	4.891	0.084	0	0	0	18
PL.17961	PL.17960	A	4ACSR	7.25Y	120.9	0.00	5.10	8.03	4	57	11	98	0.00	0.0	4.891	0.000	0	0	0	18
PL.17962	PL.17961	A	4ACSR	7.25Y	120.9	0.02	5.12	5.08	3	36	7	98	0.01	0.0	4.978	0.087	0	0	0	14
PL.8686	PL.17962	A	4ACSR	7.25Y	120.8	0.10	5.21	5.08	3	36	7	98	0.03	0.1	5.413	0.435	0	0	0	14
PL.16240	PL.8686	A	4ACSR	7.24Y	120.7	0.07	5.28	5.03	3	36	7	98	0.02	0.1	5.719	0.306	0	0	0	13
PD.2486-A	PL.16240	A	Closed	7.24Y	120.7	0.00	5.28	5.03	0	36	7	98	0.00	0.0	5.719	0.000	0	0	0	13
PD.2486-B	PD.2486-A	A	Closed	7.24Y	120.7	0.00	5.28	5.03	0	36	7	98	0.00	0.0	5.719	0.000	0	0	0	13
PL.16241	PD.2486-B	A	4ACSR	7.24Y	120.7	0.02	5.29	5.03	3	36	7	98	0.00	0.0	5.790	0.071	0	0	0	13
PL.31024	PL.16241	A	4ACSR	7.24Y	120.7	0.01	5.31	5.03	3	36	7	98	0.00	0.0	5.844	0.054	0	0	0	13
088504	PL.31024	A	Consumer	7.24Y	120.7	0.00	5.31	0.00	0	0	0	100	0.00	0.0	5.844	0.000	0	0	1	1
PL.31025	PL.31024	A	4ACSR	7.24Y	120.7	0.03	5.34	5.03	3	36	7	98	0.01	0.0	5.980	0.136	0	0	0	12
PL.14063	PL.31025	A	4ACSR	7.24Y	120.6	0.02	5.36	2.93	2	21	4	98	0.00	0.0	6.158	0.178	0	0	0	10
PL.14064	PL.14063	A	4ACSR	7.24Y	120.6	0.02	5.38	2.93	2	21	4	98	0.00	0.0	6.285	0.128	0	0	0	10
PL.17963	PL.14064	A	4ACSR	7.24Y	120.6	0.02	5.39	2.93	2	21	4	98	0.00	0.0	6.405	0.120	0	0	0	9
088511	PL.17963	A	Consumer	7.24Y	120.6	0.00	5.39	0.41	0	3	1	95	0.00	0.0	6.405	0.000	3	1	1	1
PL.35590	PL.17963	A	4ACSR	7.24Y	120.6	0.00	5.39	0.00	0	0	0	100	0.00	0.0	6.413	0.008	0	0	0	0
PD.5232	PL.35590	A	fuse6AMP	7.24Y	120.6	0.00	5.39	0.00	0	0	0	100	0.00	0.0	6.413	0.000	0	0	0	0
PL.35591	PD.5232	A	4ACSR	7.24Y	120.6	0.00	5.39	0.00	0	0	0	100	0.00	0.0	6.439	0.027	0	0	0	0
088519	PL.35591	A	Consumer	7.24Y	120.6	0.00	5.39	0.00	0	0	0	100	0.00	0.0	6.439	0.000	0	0	0	0
PL.17964	PL.17963	A	4ACSR	7.24Y	120.6	0.01	5.40	2.52	1	18	3	99	0.00	0.0	6.526	0.121	0	0	0	8
PL.32764	PL.17964	A	4ACSR	7.24Y	120.6	0.01	5.41	2.52	1	18	3	99	0.00	0.0	6.580	0.055	0	0	0	8
088518	PL.32764	A	Consumer	7.24Y	120.6	0.00	5.41	0.54	0	4	1	97	0.00	0.0	6.580	0.000	4	1	1	1
PL.36540	PL.32764	A	4ACSR	7.24Y	120.6	0.00	5.41	1.97	1	14	3	98	0.00	0.0	6.614	0.033	0	0	0	7

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

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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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.36539	PL.36540	A	4ACSR	7.24Y	120.6	0.00	5.42	0.91	0	6	1	99	0.00	0.0	6.685	0.071	0	0	0	1
088513	PL.36539	A	Consumer	7.24Y	120.6	0.00	5.42	0.91	0	6	1	99	0.00	0.0	6.685	0.000	6	1	1	1
PL.36541	PL.36540	A	4ACSR	7.24Y	120.6	0.00	5.41	1.06	1	8	1	99	0.00	0.0	6.657	0.043	0	0	0	6
PL.8324	PL.36541	A	4ACSR	7.24Y	120.6	0.00	5.42	0.43	0	3	1	95	0.00	0.0	6.741	0.084	0	0	0	4
0885020	PL.8324	A	Consumer	7.24Y	120.6	0.00	5.42	0.20	0	1	0	100	0.00	0.0	6.741	0.000	1	0	1	1
PL.28549	PL.8324	A	4ACSR	7.23Y	120.6	0.00	5.42	0.23	0	2	0	100	0.00	0.0	6.767	0.026	0	0	0	3
PL.28550	PL.28549	A	4ACSR	7.23Y	120.6	0.00	5.42	0.05	0	0	0	100	0.00	0.0	6.784	0.017	0	0	0	2
PL.8687	PL.28550	A	4ACSR	7.23Y	120.6	0.00	5.42	0.05	0	0	0	100	0.00	0.0	6.817	0.033	0	0	0	2
PL.16239	PL.8687	A	4ACSR	7.23Y	120.6	0.00	5.42	0.05	0	0	0	100	0.00	0.0	6.840	0.023	0	0	0	2
PD.2488-A	PL.16239	A	Closed	7.23Y	120.6	0.00	5.42	0.05	0	0	0	100	0.00	0.0	6.840	0.000	0	0	0	2
PD.2488-B	PD.2488-A	A	Closed	7.23Y	120.6	0.00	5.42	0.05	0	0	0	100	0.00	0.0	6.840	0.000	0	0	0	2
PL.22303	PD.2488-B	A	4ACSR	7.23Y	120.6	0.00	5.42	0.05	0	0	0	100	0.00	0.0	7.000	0.160	0	0	0	2
PL.22357	PL.22303	A	4ACSR	7.23Y	120.6	0.00	5.42	0.00	0	0	0	100	0.00	0.0	7.052	0.052	0	0	0	0
PL.22304	PL.22303	A	4ACSR	7.23Y	120.6	0.00	5.42	0.05	0	0	0	100	0.00	0.0	7.649	0.649	0	0	0	2
PL.21309	PL.22304	A	4ACSR	7.23Y	120.6	0.00	5.42	0.05	0	0	0	100	0.00	0.0	7.658	0.010	0	0	0	2
PD.3648-A	PL.21309	A	Closed	7.23Y	120.6	0.00	5.42	0.05	0	0	0	100	0.00	0.0	7.658	0.000	0	0	0	2
PD.3648-B	PD.3648-A	A	Closed	7.23Y	120.6	0.00	5.42	0.05	0	0	0	100	0.00	0.0	7.658	0.000	0	0	0	2
PL.21310	PD.3648-B	A	4ACSR	7.23Y	120.6	0.00	5.42	0.05	0	0	0	100	0.00	0.0	7.686	0.027	0	0	0	2
PL.22415	PL.21310	A	4ACSR	7.23Y	120.6	0.00	5.42	0.00	0	0	0	100	0.00	0.0	7.801	0.116	0	0	0	1
PL.35597	PL.22415	A	4ACSR	7.23Y	120.6	0.00	5.42	0.00	0	0	0	100	0.00	0.0	8.223	0.422	0	0	0	0
PD.5235-B	PL.35597	A	Open	7.23Y	120.6	0.00	5.42	0.00	0	0	0	100	0.00	0.0	8.223	0.000	0	0	0	0
140514	PL.22415	A	Consumer	7.23Y	120.6	0.00	5.42	0.00	0	0	0	100	0.00	0.0	7.801	0.000	0	0	1	1
PL.35594	PL.21310	A	4ACSR	7.23Y	120.6	0.00	5.42	0.05	0	0	0	100	0.00	0.0	7.692	0.007	0	0	0	1
PD.5234	PL.35594	A	fuse6AMP	7.23Y	120.6	0.00	5.42	0.05	1	0	0	100	0.00	0.0	7.692	0.000	0	0	0	1
PL.35595	PD.5234	A	4ACSR	7.23Y	120.6	0.00	5.42	0.05	0	0	0	100	0.00	0.0	7.876	0.184	0	0	0	1
089506	PL.35595	A	Consumer	7.23Y	120.6	0.00	5.42	0.05	0	0	0	100	0.00	0.0	7.876	0.000	0	0	1	1
088516	PL.28549	A	Consumer	7.23Y	120.6	0.00	5.42	0.18	0	1	0	100	0.00	0.0	6.767	0.000	1	0	1	1
088515	PL.36541	A	Consumer	7.24Y	120.6	0.00	5.41	0.23	0	2	0	100	0.00	0.0	6.657	0.000	2	0	1	1
088506	PL.36541	A	Consumer	7.24Y	120.6	0.00	5.41	0.40	0	3	1	95	0.00	0.0	6.657	0.000	3	1	1	1
PL.36542	PL.17964	A	4ACSR	7.24Y	120.6	0.00	5.40	0.00	0	0	0	100	0.00	0.0	6.531	0.005	0	0	0	0
PD.5233	PL.36542	A	fuse6AMP	7.24Y	120.6	0.00	5.40	0.00	0	0	0	100	0.00	0.0	6.531	0.000	0	0	0	0
PL.36544	PD.5233	A	4ACSR	7.24Y	120.6	0.00	5.40	0.00	0	0	0	100	0.00	0.0	6.542	0.012	0	0	0	0
088507	PL.14064	A	Consumer	7.24Y	120.6	0.00	5.38	0.00	0	0	0	100	0.00	0.0	6.285	0.000	0	0	1	1
PL.21800	PL.14063	A	4ACSR	7.24Y	120.6	0.00	5.36	0.00	0	0	0	100	0.00	0.0	6.187	0.029	0	0	0	0
088512	PL.21800	A	Consumer	7.24Y	120.6	0.00	5.36	0.00	0	0	0	100	0.00	0.0	6.187	0.000	0	0	0	0
PL.35580	PL.31025	A	4ACSR	7.24Y	120.7	0.00	5.34	0.00	0	0	0	100	0.00	0.0	5.999	0.019	0	0	0	0
PD.5230	PL.35580	A	fuse6AMP	7.24Y	120.7	0.00	5.34	0.00	0	0	0	100	0.00	0.0	5.999	0.000	0	0	0	0
PL.35581	PD.5230	A	4ACSR	7.24Y	120.7	0.00	5.34	0.00	0	0	0	100	0.00	0.0	6.154	0.155	0	0	0	0

Unbalanced Voltage Drop Report
Source: HIGH ROCK

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
088514	PL.35581	A	Consumer	7.24Y	120.7	0.00	5.34	0.00	0	0	0	100	0.00	0.0	6.154	0.000	0	0	0	0
PL.35578	PL.31025	A	4ACSR	7.24Y	120.7	0.00	5.34	0.98	1	7	1	99	0.00	0.0	5.991	0.011	0	0	0	1
PD.5229	PL.35578	A	fuse6AMP	7.24Y	120.7	0.00	5.34	0.98	17	7	1	99	0.00	0.0	5.991	0.000	0	0	0	1
PL.35579	PD.5229	A	4ACSR	7.24Y	120.7	0.00	5.34	0.98	1	7	1	99	0.00	0.0	6.071	0.080	0	0	0	1
088508	PL.35579	A	Consumer	7.24Y	120.7	0.00	5.34	0.98	0	7	1	99	0.00	0.0	6.071	0.000	7	1	1	1
088502	PL.31025	A	Consumer	7.24Y	120.7	0.00	5.34	1.12	0	8	1	99	0.00	0.0	5.980	0.000	8	1	1	1
0884010	PL.8686	A	Consumer	7.25Y	120.8	0.00	5.21	0.05	0	0	0	100	0.00	0.0	5.413	0.000	0	0	1	1
088404	PL.8686	A	Consumer	7.25Y	120.8	0.00	5.21	0.00	0	0	0	100	0.00	0.0	5.413	0.000	0	0	0	0
087402	PL.17961	A	Consumer	7.25Y	120.9	0.00	5.10	0.24	0	2	0	100	0.00	0.0	4.891	0.000	2	0	1	1
PL.35576	PL.17961	A	4ACSR	7.25Y	120.9	0.00	5.10	2.71	1	19	4	98	0.00	0.0	4.900	0.009	0	0	0	3
PD.5227	PL.35576	A	fuse6AMP	7.25Y	120.9	0.00	5.10	2.71	46	19	4	98	0.00	0.0	4.900	0.000	0	0	0	3
PL.35577	PD.5227	A	4ACSR	7.25Y	120.9	0.01	5.10	2.71	1	19	4	98	0.00	0.0	4.952	0.052	0	0	0	3
088409	PL.35577	A	Consumer	7.25Y	120.9	0.00	5.10	1.31	0	9	2	98	0.00	0.0	4.952	0.000	9	2	1	1
088412	PL.35577	A	Consumer	7.25Y	120.9	0.00	5.10	0.31	0	2	0	100	0.00	0.0	4.952	0.000	2	0	1	1
088411	PL.35577	A	Consumer	7.25Y	120.9	0.00	5.10	1.09	0	8	1	99	0.00	0.0	4.952	0.000	8	1	1	1
087403	PL.27617	A	Consumer	7.28Y	121.3	0.00	4.70	0.00	0	0	0	100	0.00	0.0	4.209	0.000	0	0	0	0
087413	PL.27617	A	Consumer	7.28Y	121.3	0.00	4.70	0.81	0	6	1	99	0.00	0.0	4.209	0.000	6	1	1	1
087406	PL.27617	A	Consumer	7.28Y	121.3	0.00	4.70	0.49	0	4	1	97	0.00	0.0	4.209	0.000	4	1	1	1
PL.21793	PL.18577	A	4ACSR	7.31Y	121.8	0.00	4.17	0.28	0	2	0	100	0.00	0.0	3.592	0.048	0	0	0	2
PD.2283	PL.21793	A	fuse6AMP	7.31Y	121.8	0.00	4.17	0.28	5	2	0	100	0.00	0.0	3.592	0.000	0	0	0	2
PL.22707	PD.2283	A	4ACSR	7.31Y	121.8	0.00	4.18	0.28	0	2	0	100	0.00	0.0	3.881	0.290	0	0	0	2
087408	PL.22707	A	Consumer	7.31Y	121.8	0.00	4.18	0.00	0	0	0	100	0.00	0.0	3.881	0.000	0	0	1	1
PL.22708	PL.22707	A	4ACSR	7.31Y	121.8	0.00	4.18	0.28	0	2	0	100	0.00	0.0	3.965	0.083	0	0	0	1
PL.21640	PL.22708	A	4ACSR	7.31Y	121.8	0.00	4.18	0.28	0	2	0	100	0.00	0.0	4.221	0.256	0	0	0	1
087507	PL.21640	A	Consumer	7.31Y	121.8	0.00	4.18	0.28	0	2	0	100	0.00	0.0	4.221	0.000	2	0	1	1
087501	PL.21640	A	Consumer	7.31Y	121.8	0.00	4.18	0.00	0	0	0	100	0.00	0.0	4.221	0.000	0	0	0	0
PL.14383	PL.20944	A	4ACSR	7.31Y	121.9	0.00	4.10	0.00	0	0	0	100	0.00	0.0	3.468	0.007	0	0	0	0
PD.762-A	PL.14383	A	Open	7.31Y	121.9	0.00	4.10	0.00	0	0	0	100	0.00	0.0	3.468	0.000	0	0	0	0
PL.39024	PL.20929	A	4ACSR	7.32Y	122.0	0.00	3.98	0.32	0	2	0	100	0.00	0.0	3.313	0.008	0	0	0	1
PD.6814	PL.39024	A	fuse6AMP	7.32Y	122.0	0.00	3.98	0.32	6	2	0	100	0.00	0.0	3.313	0.000	0	0	0	1
PL.39025	PD.6814	A	4ACSR	7.32Y	122.0	0.00	3.98	0.32	0	2	0	100	0.00	0.0	3.366	0.052	0	0	0	1
086422	PL.39025	A	Consumer	7.32Y	122.0	0.00	3.98	0.32	0	2	0	100	0.00	0.0	3.366	0.000	2	0	1	1
086416	PL.20478	A	Consumer	7.34Y	122.3	0.00	3.70	0.29	0	2	0	100	0.00	0.0	2.975	0.000	2	0	1	1
086413	PL.20477	A	Consumer	7.34Y	122.3	0.00	3.65	0.00	0	0	0	100	0.00	0.0	2.917	0.000	0	0	0	0
086501	PL.25036	A	Consumer	7.35Y	122.6	0.00	3.45	0.57	0	4	1	97	0.00	0.0	2.690	0.000	4	1	1	1
086509	PL.20479	A	Consumer	7.38Y	123.0	0.00	3.02	0.00	0	0	0	100	0.00	0.0	2.244	0.000	0	0	0	0
086522	PL.14204	A	Consumer	7.39Y	123.2	0.00	2.76	0.03	0	0	0	100	0.00	0.0	1.962	0.000	0	0	1	1
PL.39022	PL.18712	A	4ACSR	7.40Y	123.4	0.00	2.60	1.41	1	10	2	98	0.00	0.0	1.809	0.006	0	0	0	1

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

Unbalanced Voltage Drop Report
Source: HIGH ROCK

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.6813	PL.39022	A	fuse6AMP	7.40Y	123.4	0.00	2.60	1.41	24	10	2	98	0.00	0.0	1.809	0.000	0	0	0	1
PL.39023	PD.6813	A	4ACSR	7.40Y	123.4	0.00	2.60	1.41	1	10	2	98	0.00	0.0	1.833	0.024	0	0	0	1
086534	PL.39023	A	Consumer	7.40Y	123.4	0.00	2.60	1.41	0	10	2	98	0.00	0.0	1.833	0.000	10	2	1	1
086533	PL.18712	A	Consumer	7.40Y	123.4	0.00	2.60	0.00	0	0	0	100	0.00	0.0	1.803	0.000	0	0	0	0
086505	PL.18712	A	Consumer	7.40Y	123.4	0.00	2.60	0.27	0	2	0	100	0.00	0.0	1.803	0.000	2	0	1	1
086518	PL.26698	A	Consumer	7.41Y	123.5	0.00	2.53	0.16	0	1	0	100	0.00	0.0	1.732	0.000	1	0	1	1
086521	PL.26698	A	Consumer	7.41Y	123.5	0.00	2.53	0.72	0	5	1	98	0.00	0.0	1.732	0.000	5	1	1	1
PL.26695	PL.18994	A	4ACSR	7.41Y	123.6	0.00	2.44	1.32	1	10	2	98	0.00	0.0	1.666	0.015	0	0	0	4
PD.2279	PL.26695	A	fuse6AMP	7.41Y	123.6	0.00	2.44	1.32	23	10	2	98	0.00	0.0	1.666	0.000	0	0	0	4
PL.26696	PD.2279	A	4ACSR	7.41Y	123.6	0.00	2.45	1.32	1	10	2	98	0.00	0.0	1.743	0.077	0	0	0	4
PL.8476	PL.26696	A	4ACSR	7.41Y	123.5	0.01	2.45	0.93	0	7	1	99	0.00	0.0	1.914	0.172	0	0	0	3
PL.14196	PL.8476	A	4ACSR	7.41Y	123.5	0.01	2.46	0.93	0	7	1	99	0.00	0.0	2.210	0.295	0	0	0	3
PL.14197	PL.14196	A	4ACSR	7.41Y	123.5	0.00	2.47	0.25	0	2	0	100	0.00	0.0	2.528	0.318	0	0	0	2
087503	PL.14197	A	Consumer	7.41Y	123.5	0.00	2.47	0.05	0	0	0	100	0.00	0.0	2.528	0.000	0	0	1	1
0875008	PL.14197	A	Consumer	7.41Y	123.5	0.00	2.47	0.00	0	0	0	100	0.00	0.0	2.528	0.000	0	0	0	0
PL.45875	PL.14197	A	4ACSR	7.41Y	123.5	0.00	2.47	0.20	0	1	0	100	0.00	0.0	2.614	0.086	0	0	0	1
PL.45876	PL.45875	A	4ACSR	7.41Y	123.5	0.00	2.47	0.20	0	1	0	100	0.00	0.0	2.820	0.206	0	0	0	1
PL.8321	PL.45876	A	4ACSR	7.41Y	123.5	0.00	2.47	0.20	0	1	0	100	0.00	0.0	2.863	0.043	0	0	0	1
087506	PL.8321	A	Consumer	7.41Y	123.5	0.00	2.47	0.20	0	1	0	100	0.00	0.0	2.863	0.000	1	0	1	1
PL.5300	PL.14196	A	4ACSR	7.41Y	123.5	0.00	2.47	0.69	0	5	1	98	0.00	0.0	2.310	0.100	0	0	0	1
087505	PL.5300	A	Consumer	7.41Y	123.5	0.00	2.47	0.69	0	5	1	98	0.00	0.0	2.310	0.000	5	1	1	1
086532	PL.26696	A	Consumer	7.41Y	123.6	0.00	2.45	0.39	0	3	1	95	0.00	0.0	1.743	0.000	3	1	1	1
086524	PL.18993	A	Consumer	7.41Y	123.6	0.00	2.42	0.56	0	4	1	97	0.00	0.0	1.632	0.000	4	1	1	1
PL.26699	PL.14202	A	4ACSR	7.42Y	123.7	0.00	2.31	2.74	1	20	4	98	0.00	0.0	1.547	0.010	0	0	0	3
PD.2280	PL.26699	A	fuse6AMP	7.42Y	123.7	0.00	2.31	2.74	47	20	4	98	0.00	0.0	1.547	0.000	0	0	0	3
PL.26700	PD.2280	A	4ACSR	7.42Y	123.7	0.02	2.32	2.74	1	20	4	98	0.00	0.0	1.685	0.138	0	0	0	3
086511	PL.26700	A	Consumer	7.42Y	123.7	0.00	2.32	2.32	0	17	3	98	0.00	0.0	1.685	0.000	17	3	1	1
PL.24567	PL.26700	A	4ACSR	7.42Y	123.7	0.00	2.33	0.42	0	3	1	95	0.00	0.0	1.758	0.073	0	0	0	2
PL.24568	PL.24567	A	4ACSR	7.42Y	123.7	0.00	2.33	0.42	0	3	1	95	0.00	0.0	1.793	0.035	0	0	0	2
086503	PL.24568	A	Consumer	7.42Y	123.7	0.00	2.33	0.00	0	0	0	100	0.00	0.0	1.793	0.000	0	0	1	1
086513	PL.24568	A	Consumer	7.42Y	123.7	0.00	2.33	0.42	0	3	1	95	0.00	0.0	1.793	0.000	3	1	1	1
0865037	PL.45425	A	Consumer	7.43Y	123.9	0.00	2.14	0.00	0	0	0	100	0.00	0.0	1.415	0.000	0	0	0	0
086619	PL.19877	A	Consumer	7.45Y	124.2	0.00	1.83	0.81	0	6	1	99	0.00	0.0	1.202	0.000	6	1	1	1
0866043	PL.45367	A	Consumer	7.47Y	124.5	0.00	1.50	0.00	0	0	0	100	0.00	0.0	1.004	0.000	0	0	0	0
086602	PL.14199	A	Consumer	7.47Y	124.5	0.00	1.45	0.18	0	1	0	100	0.00	0.0	0.975	0.000	1	0	1	1
086622	PL.14199	A	Consumer	7.47Y	124.5	0.00	1.45	0.86	0	6	1	99	0.00	0.0	0.975	0.000	6	1	1	1
086630	PL.14199	A	Consumer	7.47Y	124.5	0.00	1.45	0.00	0	0	0	100	0.00	0.0	0.975	0.000	0	0	0	0
0866042	PL.14199	A	Consumer	7.47Y	124.5	0.00	1.45	0.00	0	0	0	100	0.00	0.0	0.975	0.000	0	0	0	0

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

Unbalanced Voltage Drop Report
Source: HIGH ROCK

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
086637	PL.14198	A	Consumer	7.49Y	124.8	0.00	1.25	0.00	0	0	0	100	0.00	0.0	0.864	0.000	0	0	1	1
PL.26848	PL.18810	A	4ACSR	7.49Y	124.9	0.00	1.14	0.37	0	3	1	95	0.00	0.0	0.820	0.011	0	0	0	1
PD.2054	PL.26848	A	fuse6AMP	7.49Y	124.9	0.00	1.14	0.37	6	3	1	95	0.00	0.0	0.820	0.000	0	0	0	1
PL.26849	PD.2054	A	4ACSR	7.49Y	124.9	0.00	1.14	0.37	0	3	1	95	0.00	0.0	0.947	0.126	0	0	0	1
086618	PL.26849	A	Consumer	7.49Y	124.9	0.00	1.14	0.37	0	3	1	95	0.00	0.0	0.947	0.000	3	1	1	1
086605	PL.27726	A	Consumer	7.50Y	125.0	0.00	0.99	0.00	0	0	0	100	0.00	0.0	0.735	0.000	0	0	1	1
PL.28182	PL.16323	A	4ACSR	7.53Y	125.6	0.00	0.43	0.91	0	7	1	99	0.00	0.0	0.361	0.013	0	0	0	1
PD.3644	PL.28182	A	fuse6AMP	7.53Y	125.6	0.00	0.43	0.91	16	7	1	99	0.00	0.0	0.361	0.000	0	0	0	1
PL.28183	PD.3644	A	4ACSR	7.53Y	125.6	0.01	0.44	0.91	0	7	1	99	0.00	0.0	0.503	0.142	0	0	0	1
PL.5232	PL.28183	A	4ACSR	7.53Y	125.6	0.00	0.44	0.91	0	7	1	99	0.00	0.0	0.581	0.078	0	0	0	1
085632	PL.5232	A	Consumer	7.53Y	125.6	0.00	0.44	0.91	0	7	1	99	0.00	0.0	0.581	0.000	7	1	1	1
085614	PL.28183	A	Consumer	7.53Y	125.6	0.00	0.44	0.00	0	0	0	100	0.00	0.0	0.503	0.000	0	0	0	0
085618	PL.28183	A	Consumer	7.53Y	125.6	0.00	0.44	0.00	0	0	0	100	0.00	0.0	0.503	0.000	0	0	0	0
PL.239	PL.46111	A	1/0ACSR	7.55Y	125.9	0.06	0.13	34.41	10	254	53	98	0.10	0.0	0.149	0.075	0	0	0	95
PL.18768	PL.239	A	4ACSR	7.55Y	125.9	0.01	0.14	34.41	18	254	53	98	0.02	0.0	0.155	0.005	0	0	0	95
PD.3457	PL.18768	A	0VXE	7.55Y	125.9	0.00	0.14	34.41	0	254	53	98	0.00	0.0	0.155	0.000	0	0	0	95
PL.18769	PD.3457	A	2ACSR	7.55Y	125.8	0.10	0.24	34.41	14	254	53	98	0.17	0.1	0.247	0.092	0	0	0	95
PL.17475	PL.18769	A	2ACSR	7.53Y	125.5	0.23	0.47	34.41	14	254	53	98	0.41	0.2	0.466	0.219	0	0	0	95
PL.28069	PL.17475	A	4ACSR	7.53Y	125.5	0.00	0.47	0.54	0	4	1	97	0.00	0.0	0.480	0.014	0	0	0	4
PD.2049	PL.28069	A	fuse6AMP	7.53Y	125.5	0.00	0.47	0.54	9	4	1	97	0.00	0.0	0.480	0.000	0	0	0	4
PL.28070	PD.2049	A	4ACSR	7.53Y	125.5	0.00	0.47	0.54	0	4	1	97	0.00	0.0	0.589	0.109	0	0	0	4
PL.5217	PL.28070	A	4ACSR	7.53Y	125.5	0.00	0.47	0.53	0	4	1	97	0.00	0.0	0.657	0.069	0	0	0	3
PL.5218	PL.5217	A	4ACSR	7.53Y	125.5	0.00	0.47	0.53	0	4	1	97	0.00	0.0	0.683	0.026	0	0	0	3
PL.5233	PL.5218	A	4ACSR	7.53Y	125.5	0.00	0.47	0.01	0	0	0	100	0.00	0.0	0.860	0.177	0	0	0	1
085634	PL.5233	A	Consumer	7.53Y	125.5	0.00	0.47	0.01	0	0	0	100	0.00	0.0	0.860	0.000	0	0	1	1
085633	PL.5218	A	Consumer	7.53Y	125.5	0.00	0.47	0.10	0	1	0	100	0.00	0.0	0.683	0.000	1	0	1	1
085609	PL.5218	A	Consumer	7.53Y	125.5	0.00	0.47	0.43	0	3	1	95	0.00	0.0	0.683	0.000	3	1	1	1
085608	PL.28070	A	Consumer	7.53Y	125.5	0.00	0.47	0.01	0	0	0	100	0.00	0.0	0.589	0.000	0	0	1	1
PL.17476	PL.17475	A	2ACSR	7.52Y	125.4	0.13	0.60	33.86	13	250	52	98	0.24	0.1	0.595	0.129	0	0	0	91
PL.20069	PL.17476	A	4ACSR	7.52Y	125.4	0.00	0.60	0.53	0	4	1	97	0.00	0.0	0.597	0.002	0	0	0	1
PD.2050	PL.20069	A	fuse6AMP	7.52Y	125.4	0.00	0.60	0.53	9	4	1	97	0.00	0.0	0.597	0.000	0	0	0	1
PL.20070	PD.2050	A	4ACSR	7.52Y	125.4	0.00	0.60	0.53	0	4	1	97	0.00	0.0	0.662	0.066	0	0	0	1
085612	PL.20070	A	Consumer	7.52Y	125.4	0.00	0.60	0.53	0	4	1	97	0.00	0.0	0.662	0.000	4	1	1	1
PL.16327	PL.17476	A	2ACSR	7.52Y	125.3	0.14	0.75	33.33	13	246	51	98	0.25	0.1	0.735	0.140	0	0	0	90
PL.18830	PL.16327	A	4ACSR	7.51Y	125.2	0.02	0.76	33.33	17	245	51	98	0.04	0.0	0.748	0.013	0	0	0	90
C PD.1812	PL.18830	A	fuse6AMP	7.51Y	125.2	0.00	0.76	33.33	569	245	51	98	0.00	0.0	0.748	0.000	0	0	0	90 C
PL.18831	PD.1812	A	4ACSR	7.50Y	125.0	0.28	1.04	33.33	17	245	51	98	0.50	0.2	0.936	0.188	0	0	0	90
PL.14077	PL.18831	A	4ACSR	7.49Y	124.9	0.09	1.13	33.33	17	245	51	98	0.16	0.1	0.995	0.059	0	0	0	90

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: HIGH ROCK

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.14078	PL.14077	A	4ACSR	7.49Y	124.8	0.05	1.17	33.23	17	244	50	98	0.09	0.0	1.028	0.033	0	0	0	89
PL.8458	PL.14078	A	4ACSR	7.48Y	124.7	0.15	1.32	32.90	17	241	50	98	0.27	0.1	1.132	0.104	0	0	0	88
086608	PL.8458	A	Consumer	7.48Y	124.7	0.00	1.32	0.00	0	0	0	100	0.00	0.0	1.132	0.000	0	0	0	0
PL.27097	PL.8458	A	4ACSR	7.47Y	124.6	0.11	1.44	32.90	17	241	50	98	0.20	0.1	1.211	0.079	0	0	0	88
PD.750-A	PL.27097	A	Closed	7.47Y	124.6	0.00	1.44	32.90	0	241	49	98	0.00	0.0	1.211	0.000	0	0	0	88
PD.750-B	PD.750-A	A	Closed	7.47Y	124.6	0.00	1.44	32.90	0	241	49	98	0.00	0.0	1.211	0.000	0	0	0	88
PL.27098	PD.750-B	A	4ACSR	7.45Y	124.2	0.40	1.84	32.90	17	241	49	98	0.72	0.3	1.488	0.277	0	0	0	88
PL.14076	PL.27098	A	4ACSR	7.43Y	123.9	0.30	2.14	31.99	16	233	48	98	0.52	0.2	1.702	0.214	0	0	0	86
PL.14075	PL.14076	A	4ACSR	7.42Y	123.7	0.18	2.32	31.99	16	233	47	98	0.31	0.1	1.830	0.129	0	0	0	86
PL.16253	PL.14075	A	4ACSR	7.42Y	123.7	0.00	2.32	0.81	0	6	1	99	0.00	0.0	1.846	0.016	0	0	0	2
PD.753-A	PL.16253	A	Closed	7.42Y	123.7	0.00	2.32	0.81	0	6	1	99	0.00	0.0	1.846	0.000	0	0	0	2
PD.753-B	PD.753-A	A	Closed	7.42Y	123.7	0.00	2.32	0.81	0	6	1	99	0.00	0.0	1.846	0.000	0	0	0	2
PL.27094	PD.753-B	A	4ACSR	7.42Y	123.7	0.00	2.32	0.81	0	6	1	99	0.00	0.0	1.903	0.056	0	0	0	2
087623	PL.27094	A	Consumer	7.42Y	123.7	0.00	2.32	0.00	0	0	0	100	0.00	0.0	1.903	0.000	0	0	1	1
087601	PL.27094	A	Consumer	7.42Y	123.7	0.00	2.32	0.80	0	6	1	99	0.00	0.0	1.903	0.000	6	1	1	1
PL.18521	PL.14075	A	4ACSR	7.42Y	123.7	0.03	2.34	31.19	16	227	46	98	0.05	0.0	1.850	0.020	0	0	0	84
C PD.1815	PL.18521	A	fuse6AMP	7.42Y	123.7	0.00	2.34	31.19	533	227	46	98	0.00	0.0	1.850	0.000	0	0	0	84 C
PL.18522	PD.1815	A	4ACSR	7.41Y	123.5	0.19	2.53	31.19	16	227	46	98	0.32	0.1	1.986	0.136	0	0	0	84
PL.14070	PL.18522	A	4ACSR	7.40Y	123.3	0.13	2.66	27.40	14	199	41	98	0.19	0.1	2.091	0.105	0	0	0	77
PL.14071	PL.14070	A	4ACSR	7.39Y	123.2	0.12	2.77	27.40	14	199	41	98	0.17	0.1	2.188	0.097	0	0	0	77
C PD.1817	PL.14071	A	fuse6AMP	7.39Y	123.2	0.00	2.77	27.40	468	199	40	98	0.00	0.0	2.188	0.000	0	0	0	77 C
PL.14069	PD.1817	A	4ACSR	7.38Y	123.1	0.16	2.94	26.99	14	196	40	98	0.24	0.1	2.327	0.139	0	0	0	75
PL.14068	PL.14069	A	4ACSR	7.37Y	122.9	0.17	3.11	26.84	14	194	39	98	0.25	0.1	2.475	0.148	0	0	0	72
087609	PL.14068	A	Consumer	7.37Y	122.9	0.00	3.11	0.17	0	1	0	100	0.00	0.0	2.475	0.000	1	0	1	1
PL.14072	PL.14068	A	4ACSR	7.36Y	122.7	0.16	3.28	26.67	14	193	39	98	0.24	0.1	2.615	0.140	0	0	0	71
PL.35566	PL.14072	A	4ACSR	7.36Y	122.7	0.00	3.28	0.92	0	7	1	99	0.00	0.0	2.619	0.004	0	0	0	1
PD.5223	PL.35566	A	fuse6AMP	7.36Y	122.7	0.00	3.28	0.92	16	7	1	99	0.00	0.0	2.619	0.000	0	0	0	1
PL.35567	PD.5223	A	4ACSR	7.36Y	122.7	0.00	3.28	0.92	0	7	1	99	0.00	0.0	2.656	0.038	0	0	0	1
087622	PL.35567	A	Consumer	7.36Y	122.7	0.00	3.28	0.92	0	7	1	99	0.00	0.0	2.656	0.000	7	1	1	1
PL.14073	PL.14072	A	4ACSR	7.36Y	122.6	0.12	3.39	25.75	13	186	38	98	0.17	0.1	2.721	0.106	0	0	0	70
087611	PL.14073	A	Consumer	7.36Y	122.6	0.00	3.39	0.38	0	3	1	95	0.00	0.0	2.721	0.000	3	1	1	1
PL.14074	PL.14073	A	4ACSR	7.35Y	122.6	0.05	3.44	25.37	13	183	37	98	0.07	0.0	2.766	0.045	0	0	0	69
PL.35568	PL.14074	A	4ACSR	7.35Y	122.6	0.00	3.44	0.89	0	6	1	99	0.00	0.0	2.770	0.004	0	0	0	1
PD.5224	PL.35568	A	fuse6AMP	7.35Y	122.6	0.00	3.44	0.89	15	6	1	99	0.00	0.0	2.770	0.000	0	0	0	1
PL.35569	PD.5224	A	4ACSR	7.35Y	122.6	0.00	3.45	0.89	0	6	1	99	0.00	0.0	2.810	0.040	0	0	0	1
087624	PL.35569	A	Consumer	7.35Y	122.6	0.00	3.45	0.89	0	6	1	99	0.00	0.0	2.810	0.000	6	1	1	1
PL.19176	PL.14074	A	4ACSR	7.34Y	122.4	0.19	3.63	24.48	13	176	36	98	0.25	0.1	2.939	0.173	0	0	0	68
088603	PL.19176	A	Consumer	7.34Y	122.4	0.00	3.63	0.19	0	1	0	100	0.00	0.0	2.939	0.000	1	0	1	1

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

Unbalanced Voltage Drop Report
Source: HIGH ROCK

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.19177	PL.19176	A	4ACSR	7.34Y	122.3	0.10	3.73	24.29	13	175	35	98	0.14	0.1	3.035	0.096	0	0	0	67
PL.16246	PL.19177	A	4ACSR	7.33Y	122.2	0.05	3.79	23.16	12	166	34	98	0.07	0.0	3.087	0.052	0	0	0	66
PD.754-A	PL.16246	A	Closed	7.33Y	122.2	0.00	3.79	23.16	0	166	34	98	0.00	0.0	3.087	0.000	0	0	0	66
PD.754-B	PD.754-A	A	Closed	7.33Y	122.2	0.00	3.79	23.16	0	166	34	98	0.00	0.0	3.087	0.000	0	0	0	66
PL.16247	PD.754-B	A	4ACSR	7.33Y	122.2	0.04	3.83	23.16	12	166	34	98	0.05	0.0	3.130	0.042	0	0	0	66
PL.25278	PL.16247	A	4ACSR	7.33Y	122.1	0.06	3.89	22.53	12	162	33	98	0.07	0.0	3.191	0.061	0	0	0	64
PL.16244	PL.25278	A	4ACSR	7.33Y	122.1	0.00	3.89	6.92	4	50	10	98	0.00	0.0	3.200	0.009	0	0	0	25
PD.757-A	PL.16244	A	Closed	7.33Y	122.1	0.00	3.89	6.92	0	50	10	98	0.00	0.0	3.200	0.000	0	0	0	25
PD.757-B	PD.757-A	A	Closed	7.33Y	122.1	0.00	3.89	6.92	0	50	10	98	0.00	0.0	3.200	0.000	0	0	0	25
PL.16245	PD.757-B	A	4ACSR	7.33Y	122.1	0.01	3.90	6.92	4	50	10	98	0.00	0.0	3.236	0.036	0	0	0	25
PL.27296	PL.16245	A	4ACSR	7.33Y	122.1	0.01	3.91	6.71	3	48	9	98	0.00	0.0	3.269	0.034	0	0	0	24
PD.3459	PL.27296	A	15H	7.33Y	122.1	0.00	3.91	6.71	45	48	9	98	0.00	0.0	3.269	0.000	0	0	0	24
PL.27297	PD.3459	A	4ACSR	7.32Y	122.0	0.06	3.97	6.71	3	48	9	98	0.02	0.0	3.474	0.205	0	0	0	24
PL.28640	PL.27297	A	4ACSR	7.32Y	122.0	0.01	3.98	6.71	3	48	9	98	0.00	0.0	3.497	0.022	0	0	0	24
PL.35610	PL.28640	A	4ACSR	7.32Y	122.0	0.00	3.98	0.40	0	3	1	95	0.00	0.0	3.508	0.012	0	0	0	1
PD.5241	PL.35610	A	fuse6AMP	7.32Y	122.0	0.00	3.98	0.40	7	3	1	95	0.00	0.0	3.508	0.000	0	0	0	1
PL.35611	PD.5241	A	4ACSR	7.32Y	122.0	0.00	3.98	0.40	0	3	1	95	0.00	0.0	3.560	0.052	0	0	0	1
088618	PL.35611	A	Consumer	7.32Y	122.0	0.00	3.98	0.40	0	3	1	95	0.00	0.0	3.560	0.000	3	1	1	1
088633	PL.28640	A	Consumer	7.32Y	122.0	0.00	3.98	0.77	0	6	1	99	0.00	0.0	3.497	0.000	6	1	1	1
0886035	PL.28640	A	Consumer	7.32Y	122.0	0.00	3.98	0.00	0	0	0	100	0.00	0.0	3.497	0.000	0	0	0	0
088610	PL.28640	A	Consumer	7.32Y	122.0	0.00	3.98	0.35	0	3	0	100	0.00	0.0	3.497	0.000	3	0	1	1
PL.28641	PL.28640	A	4ACSR	7.32Y	122.0	0.05	4.03	5.19	3	37	7	98	0.01	0.0	3.701	0.204	0	0	0	21
088619	PL.28641	A	Consumer	7.32Y	122.0	0.00	4.03	0.37	0	3	1	95	0.00	0.0	3.701	0.000	3	1	1	1
088626	PL.28641	A	Consumer	7.32Y	122.0	0.00	4.03	0.31	0	2	0	100	0.00	0.0	3.701	0.000	2	0	1	1
PL.21680	PL.28641	A	4ACSR	7.32Y	121.9	0.03	4.06	4.51	2	32	6	98	0.01	0.0	3.868	0.167	0	0	0	19
PL.21227	PL.21680	A	4ACSR	7.32Y	121.9	0.00	4.06	3.92	2	28	5	98	0.00	0.0	3.897	0.029	0	0	0	16
PL.28205	PL.21227	A	4ACSR	7.32Y	121.9	0.01	4.08	3.92	2	28	5	98	0.00	0.0	3.983	0.086	0	0	0	16
PL.21798	PL.28205	A	4ACSR	7.32Y	121.9	0.00	4.08	0.00	0	0	0	100	0.00	0.0	4.032	0.049	0	0	0	1
088510	PL.21798	A	Consumer	7.32Y	121.9	0.00	4.08	0.00	0	0	0	100	0.00	0.0	4.032	0.000	0	0	1	1
PL.17959	PL.28205	A	4ACSR	7.31Y	121.9	0.01	4.09	3.92	2	28	5	98	0.00	0.0	4.048	0.064	0	0	0	15
PD.2485-A	PL.17959	A	Closed	7.31Y	121.9	0.00	4.09	3.92	0	28	5	98	0.00	0.0	4.048	0.000	0	0	0	15
PD.2485-B	PD.2485-A	A	Closed	7.31Y	121.9	0.00	4.09	3.92	0	28	5	98	0.00	0.0	4.048	0.000	0	0	0	15
PL.16238	PD.2485-B	A	4ACSR	7.31Y	121.9	0.01	4.10	3.92	2	28	5	98	0.00	0.0	4.098	0.050	0	0	0	15
088505	PL.16238	A	Consumer	7.31Y	121.9	0.00	4.10	0.54	0	4	1	97	0.00	0.0	4.098	0.000	4	1	1	1
PL.28141	PL.16238	A	4ACSR	7.31Y	121.9	0.00	4.10	3.38	2	24	5	98	0.00	0.0	4.115	0.017	0	0	0	14
PL.28142	PL.28141	A	4ACSR	7.31Y	121.9	0.01	4.11	3.00	2	22	4	98	0.00	0.0	4.222	0.107	0	0	0	13
PL.14207	PL.28142	A	4ACSR	7.31Y	121.9	0.02	4.13	2.82	1	20	4	98	0.00	0.0	4.351	0.129	0	0	0	12
PL.14208	PL.14207	A	4ACSR	7.31Y	121.9	0.00	4.13	0.50	0	4	1	97	0.00	0.0	4.466	0.115	0	0	0	2

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: HIGH ROCK

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.16234	PL.14208	A	4ACSR	7.31Y	121.9	0.00	4.13	0.21	0	2	0	100	0.00	0.0	4.472	0.006	0	0	0	1
PD.2286	PL.16234	A	fuse6AMP	7.31Y	121.9	0.00	4.13	0.21	4	2	0	100	0.00	0.0	4.472	0.000	0	0	0	1
PL.16235	PD.2286	A	4ACSR	7.31Y	121.9	0.00	4.13	0.21	0	2	0	100	0.00	0.0	4.558	0.086	0	0	0	1
PL.21797	PL.16235	A	4ACSR	7.31Y	121.9	0.00	4.13	0.21	0	2	0	100	0.00	0.0	4.615	0.057	0	0	0	1
089510	PL.21797	A	Consumer	7.31Y	121.9	0.00	4.13	0.21	0	2	0	100	0.00	0.0	4.615	0.000	2	0	1	1
PL.14209	PL.16235	A	4ACSR	7.31Y	121.9	0.00	4.13	0.00	0	0	0	100	0.00	0.0	5.165	0.607	0	0	0	0
089501	PL.14209	A	Consumer	7.31Y	121.9	0.00	4.13	0.00	0	0	0	100	0.00	0.0	5.165	0.000	0	0	0	0
089503	PL.14208	A	Consumer	7.31Y	121.9	0.00	4.13	0.29	0	2	0	100	0.00	0.0	4.466	0.000	2	0	1	1
PL.16233	PL.14207	A	4ACSR	7.31Y	121.9	0.00	4.13	2.32	1	17	3	98	0.00	0.0	4.358	0.007	0	0	0	10
PD.2285	PL.16233	A	fuse6AMP	7.31Y	121.9	0.00	4.13	2.32	40	17	3	98	0.00	0.0	4.358	0.000	0	0	0	10
PL.23428	PD.2285	A	4ACSR	7.31Y	121.9	0.02	4.15	2.32	1	17	3	98	0.00	0.0	4.544	0.186	0	0	0	10
PL.28642	PL.23428	A	4ACSR	7.31Y	121.8	0.01	4.16	2.04	1	15	3	98	0.00	0.0	4.655	0.111	0	0	0	9
PL.35630	PL.28642	A	4ACSR	7.31Y	121.8	0.00	4.16	0.06	0	0	0	100	0.00	0.0	4.662	0.007	0	0	0	1
PD.5246	PL.35630	A	fuse6AMP	7.31Y	121.8	0.00	4.16	0.06	1	0	0	100	0.00	0.0	4.662	0.000	0	0	0	1
PL.35631	PD.5246	A	4ACSR	7.31Y	121.8	0.00	4.16	0.06	0	0	0	100	0.00	0.0	4.717	0.055	0	0	0	1
089507	PL.35631	A	Consumer	7.31Y	121.8	0.00	4.16	0.06	0	0	0	100	0.00	0.0	4.717	0.000	0	0	1	1
PL.21683	PL.35631	A	4ACSR	7.31Y	121.8	0.00	4.16	0.00	0	0	0	100	0.00	0.0	4.766	0.049	0	0	0	0
PL.22286	PL.28642	A	4ACSR	7.31Y	121.8	0.00	4.16	1.98	1	14	3	98	0.00	0.0	4.659	0.003	0	0	0	8
PL.22284	PL.22286	A	4ACSR	7.31Y	121.8	0.00	4.16	1.98	1	14	3	98	0.00	0.0	4.695	0.036	0	0	0	8
140501	PL.22284	A	Consumer	7.31Y	121.8	0.00	4.16	0.52	0	4	1	97	0.00	0.0	4.695	0.000	4	1	1	1
140507	PL.22284	A	Consumer	7.31Y	121.8	0.00	4.16	0.91	0	7	1	99	0.00	0.0	4.695	0.000	7	1	1	1
PL.22285	PL.22284	A	4ACSR	7.31Y	121.8	0.00	4.16	0.25	0	2	0	100	0.00	0.0	4.749	0.054	0	0	0	2
PL.22280	PL.22285	A	4ACSR	7.31Y	121.8	0.00	4.17	0.25	0	2	0	100	0.00	0.0	4.872	0.123	0	0	0	1
PL.22281	PL.22280	A	4ACSR	7.31Y	121.8	0.00	4.17	0.25	0	2	0	100	0.00	0.0	4.942	0.070	0	0	0	1
140505	PL.22281	A	Consumer	7.31Y	121.8	0.00	4.17	0.25	0	2	0	100	0.00	0.0	4.942	0.000	2	0	1	1
PL.22282	PL.22280	A	4ACSR	7.31Y	121.8	0.00	4.17	0.00	0	0	0	100	0.00	0.0	5.039	0.167	0	0	0	0
PL.22279	PL.22282	A	4ACSR	7.31Y	121.8	0.00	4.17	0.00	0	0	0	100	0.00	0.0	5.118	0.079	0	0	0	0
PL.22277	PL.22279	A	4ACSR	7.31Y	121.8	0.00	4.17	0.00	0	0	0	100	0.00	0.0	5.194	0.076	0	0	0	0
PL.22278	PL.22277	A	4ACSR	7.31Y	121.8	0.00	4.17	0.00	0	0	0	100	0.00	0.0	5.238	0.044	0	0	0	0
140604	PL.22285	A	Consumer	7.31Y	121.8	0.00	4.16	0.00	0	0	0	100	0.00	0.0	4.749	0.000	0	0	0	0
140509	PL.22285	A	Consumer	7.31Y	121.8	0.00	4.16	0.01	0	0	0	100	0.00	0.0	4.749	0.000	0	0	1	1
PL.35632	PL.22284	A	4ACSR	7.31Y	121.8	0.00	4.16	0.30	0	2	1	89	0.00	0.0	4.709	0.014	0	0	0	4
PD.5247	PL.35632	A	fuse6AMP	7.31Y	121.8	0.00	4.16	0.30	5	2	1	89	0.00	0.0	4.709	0.000	0	0	0	4
PL.35633	PD.5247	A	4ACSR	7.31Y	121.8	0.00	4.16	0.30	0	2	1	89	0.00	0.0	4.724	0.015	0	0	0	4
140506	PL.35633	A	Consumer	7.31Y	121.8	0.00	4.16	0.10	0	1	0	100	0.00	0.0	4.724	0.000	1	0	1	1
PL.22414	PL.35633	A	4ACSR	7.31Y	121.8	0.00	4.16	0.20	0	1	0	100	0.00	0.0	4.751	0.028	0	0	0	3
PL.28202	PL.22414	A	4ACSR	7.31Y	121.8	0.00	4.16	0.07	0	1	0	100	0.00	0.0	4.899	0.148	0	0	0	1
PL.22283	PL.28202	A	4ACSR	7.31Y	121.8	0.00	4.16	0.07	0	1	0	100	0.00	0.0	4.902	0.003	0	0	0	1

Unbalanced Voltage Drop Report
Source: HIGH ROCK

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.21796	PL.22283	A	4ACSR	7.31Y	121.8	0.00	4.16	0.07	0	1	0	100	0.00	0.0	4.959	0.057	0	0	0	1
089509	PL.21796	A	Consumer	7.31Y	121.8	0.00	4.16	0.07	0	1	0	100	0.00	0.0	4.959	0.000	1	0	1	1
140502	PL.22414	A	Consumer	7.31Y	121.8	0.00	4.16	0.09	0	1	0	100	0.00	0.0	4.751	0.000	1	0	1	1
140511	PL.22414	A	Consumer	7.31Y	121.8	0.00	4.16	0.03	0	0	0	100	0.00	0.0	4.751	0.000	0	0	1	1
PL.35628	PL.23428	A	4ACSR	7.31Y	121.9	0.00	4.15	0.28	0	2	0	100	0.00	0.0	4.548	0.004	0	0	0	1
PD.5245	PL.35628	A	fuse6AMP	7.31Y	121.9	0.00	4.15	0.28	5	2	0	100	0.00	0.0	4.548	0.000	0	0	0	1
PL.35629	PD.5245	A	4ACSR	7.31Y	121.8	0.00	4.15	0.28	0	2	0	100	0.00	0.0	4.600	0.052	0	0	0	1
089512	PL.35629	A	Consumer	7.31Y	121.8	0.00	4.15	0.28	0	2	0	100	0.00	0.0	4.600	0.000	2	0	1	1
089508	PL.28142	A	Consumer	7.31Y	121.9	0.00	4.11	0.19	0	1	0	100	0.00	0.0	4.222	0.000	1	0	1	1
088613	PL.28141	A	Consumer	7.31Y	121.9	0.00	4.10	0.37	0	3	1	95	0.00	0.0	4.115	0.000	3	1	1	1
PL.35612	PL.21680	A	4ACSR	7.32Y	121.9	0.00	4.06	0.33	0	2	0	100	0.00	0.0	3.881	0.013	0	0	0	2
PD.5242	PL.35612	A	fuse6AMP	7.32Y	121.9	0.00	4.06	0.33	6	2	0	100	0.00	0.0	3.881	0.000	0	0	0	2
PL.35613	PD.5242	A	4ACSR	7.32Y	121.9	0.00	4.06	0.33	0	2	0	100	0.00	0.0	3.959	0.078	0	0	0	2
088621	PL.35613	A	Consumer	7.32Y	121.9	0.00	4.06	0.00	0	0	0	100	0.00	0.0	3.959	0.000	0	0	1	1
0886034	PL.35613	A	Consumer	7.32Y	121.9	0.00	4.06	0.33	0	2	0	100	0.00	0.0	3.959	0.000	2	0	1	1
088616	PL.21680	A	Consumer	7.32Y	121.9	0.00	4.06	0.26	0	2	0	100	0.00	0.0	3.868	0.000	2	0	1	1
088605	PL.16245	A	Consumer	7.33Y	122.1	0.00	3.90	0.21	0	1	0	100	0.00	0.0	3.236	0.000	1	0	1	1
PL.16243	PL.25278	A	4ACSR	7.33Y	122.1	0.01	3.90	15.62	8	112	23	98	0.01	0.0	3.200	0.009	0	0	0	39
PD.756-A	PL.16243	A	Closed	7.33Y	122.1	0.00	3.90	15.62	0	112	23	98	0.00	0.0	3.200	0.000	0	0	0	39
PD.756-B	PD.756-A	A	Closed	7.33Y	122.1	0.00	3.90	15.62	0	112	23	98	0.00	0.0	3.200	0.000	0	0	0	39
PL.27314	PD.756-B	A	4ACSR	7.32Y	122.0	0.08	3.97	15.62	8	112	23	98	0.07	0.1	3.313	0.113	0	0	0	39
PL.35600	PL.27314	A	4ACSR	7.32Y	122.0	0.00	3.97	0.00	0	0	0	100	0.00	0.0	3.318	0.004	0	0	0	0
PD.5237	PL.35600	A	fuse6AMP	7.32Y	122.0	0.00	3.97	0.00	0	0	0	100	0.00	0.0	3.318	0.000	0	0	0	0
PL.35601	PD.5237	A	4ACSR	7.32Y	122.0	0.00	3.97	0.00	0	0	0	100	0.00	0.0	3.368	0.050	0	0	0	0
088620	PL.35601	A	Consumer	7.32Y	122.0	0.00	3.97	0.00	0	0	0	100	0.00	0.0	3.368	0.000	0	0	0	0
PL.27315	PL.27314	A	4ACSR	7.32Y	122.0	0.03	4.00	15.62	8	112	23	98	0.02	0.0	3.356	0.042	0	0	0	39
PD.3460	PL.27315	A	50V4E	7.32Y	122.0	0.00	4.00	15.62	31	112	23	98	0.00	0.0	3.356	0.000	0	0	0	39
PL.17953	PD.3460	A	4ACSR	7.32Y	122.0	0.01	4.01	15.62	8	112	23	98	0.01	0.0	3.370	0.015	0	0	0	39
PL.17954	PL.17953	A	4ACSR	7.32Y	122.0	0.01	4.03	13.77	7	99	19	98	0.01	0.0	3.392	0.022	0	0	0	37
PL.16242	PL.17954	A	4ACSR	7.31Y	121.9	0.11	4.13	13.77	7	99	19	98	0.08	0.1	3.569	0.177	0	0	0	37
088631	PL.16242	A	Consumer	7.31Y	121.9	0.00	4.13	0.00	0	0	0	100	0.00	0.0	3.569	0.000	0	0	1	1
088632	PL.16242	A	Consumer	7.31Y	121.9	0.00	4.13	0.00	0	0	0	100	0.00	0.0	3.569	0.000	0	0	1	1
088627	PL.16242	A	Consumer	7.31Y	121.9	0.00	4.13	1.27	0	9	2	98	0.00	0.0	3.569	0.000	9	2	1	1
PL.24833	PL.16242	A	4ACSR	7.31Y	121.8	0.03	4.17	12.50	6	90	17	98	0.02	0.0	3.633	0.064	0	0	0	34
PL.24834	PL.24833	A	4ACSR	7.31Y	121.8	0.01	4.18	12.50	6	90	17	98	0.01	0.0	3.656	0.023	0	0	0	34
PL.25277	PL.24834	A	4ACSR	7.30Y	121.7	0.09	4.27	11.64	6	84	16	98	0.06	0.1	3.834	0.178	0	0	0	33
PL.16236	PL.25277	A	4ACSR	7.30Y	121.7	0.00	4.27	11.08	6	80	15	98	0.00	0.0	3.837	0.003	0	0	0	32
PD.755-A	PL.16236	A	Closed	7.30Y	121.7	0.00	4.27	11.08	0	80	15	98	0.00	0.0	3.837	0.000	0	0	0	32

Unbalanced Voltage Drop Report
Source: HIGH ROCK

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.755-B	PD.755-A	A	Closed	7.30Y	121.7	0.00	4.27	11.08	0	80	15	98	0.00	0.0	3.837	0.000	0	0	0	32
PL.16237	PD.755-B	A	4ACSR	7.30Y	121.7	0.04	4.31	11.08	6	80	15	98	0.03	0.0	3.924	0.087	0	0	0	32
PL.35677	PL.16237	A	4ACSR	7.30Y	121.7	0.00	4.31	0.78	0	6	1	99	0.00	0.0	3.934	0.010	0	0	0	3
PD.5252	PL.35677	A	fuse6AMP	7.30Y	121.7	0.00	4.31	0.78	13	6	1	99	0.00	0.0	3.934	0.000	0	0	0	3
PL.35678	PD.5252	A	4ACSR	7.30Y	121.7	0.00	4.31	0.78	0	6	1	99	0.00	0.0	3.938	0.004	0	0	0	3
PL.5245	PL.35678	A	4ACSR	7.30Y	121.7	0.00	4.31	0.00	0	0	0	100	0.00	0.0	3.996	0.058	0	0	0	1
089614	PL.5245	A	Consumer	7.30Y	121.7	0.00	4.31	0.00	0	0	0	100	0.00	0.0	3.996	0.000	0	0	1	1
PL.14398	PL.35678	A	4ACSR	7.30Y	121.7	0.00	4.32	0.78	0	6	1	99	0.00	0.0	4.040	0.102	0	0	0	2
PL.39882	PL.14398	A	2ACSR	7.30Y	121.7	0.00	4.32	0.01	0	0	0	100	0.00	0.0	4.097	0.057	0	0	0	1
0896015	PL.39882	A	Consumer	7.30Y	121.7	0.00	4.32	0.01	0	0	0	100	0.00	0.0	4.097	0.000	0	0	1	1
089611	PL.14398	A	Consumer	7.30Y	121.7	0.00	4.32	0.78	0	6	1	99	0.00	0.0	4.040	0.000	6	1	1	1
PL.14399	PL.16237	A	4ACSR	7.29Y	121.5	0.14	4.45	10.30	5	74	14	98	0.08	0.1	4.230	0.306	0	0	0	29
089610	PL.14399	A	Consumer	7.29Y	121.5	0.00	4.45	0.00	0	0	0	100	0.00	0.0	4.230	0.000	0	0	0	0
089613	PL.14399	A	Consumer	7.29Y	121.5	0.00	4.45	1.17	0	8	2	97	0.00	0.0	4.230	0.000	8	2	1	1
089612	PL.14399	A	Consumer	7.29Y	121.5	0.00	4.45	0.00	0	0	0	100	0.00	0.0	4.230	0.000	0	0	0	0
PL.14195	PL.14399	A	4ACSR	7.29Y	121.5	0.03	4.48	8.87	5	64	12	98	0.01	0.0	4.298	0.068	0	0	0	27
PL.54	PL.14195	A	4ACSR	7.29Y	121.4	0.10	4.57	8.87	5	64	12	98	0.05	0.1	4.550	0.251	0	0	0	27
PL.16228	PL.54	A	4ACSR	7.29Y	121.4	0.01	4.58	5.40	3	39	7	98	0.00	0.0	4.575	0.025	0	0	0	13
C PD.681	PL.16228	A	fuse6AMP	7.29Y	121.4	0.00	4.58	5.40	92	39	7	98	0.00	0.0	4.575	0.000	0	0	0	13 C
PL.16229	PD.681	A	4ACSR	7.28Y	121.4	0.02	4.60	5.40	3	39	7	98	0.01	0.0	4.655	0.080	0	0	0	13
PL.22268	PL.16229	A	4ACSR	7.28Y	121.4	0.00	4.60	1.30	1	9	2	98	0.00	0.0	4.739	0.084	0	0	0	3
140606	PL.22268	A	Consumer	7.28Y	121.4	0.00	4.60	0.49	0	3	1	95	0.00	0.0	4.739	0.000	3	1	1	1
PL.22269	PL.22268	A	4ACSR	7.28Y	121.4	0.00	4.61	0.81	0	6	1	99	0.00	0.0	4.805	0.066	0	0	0	2
PL.22271	PL.22269	A	4ACSR	7.28Y	121.4	0.00	4.61	0.00	0	0	0	100	0.00	0.0	4.929	0.124	0	0	0	1
PL.22270	PL.22271	A	4ACSR	7.28Y	121.4	-0.00	4.61	0.00	0	0	0	100	0.00	0.0	4.983	0.054	0	0	0	1
140609	PL.22270	A	Consumer	7.28Y	121.4	0.00	4.61	0.00	0	0	0	100	0.00	0.0	4.983	0.000	0	0	1	1
140612	PL.22269	A	Consumer	7.28Y	121.4	0.00	4.61	0.00	0	0	0	100	0.00	0.0	4.805	0.000	0	0	0	0
140613	PL.22269	A	Consumer	7.28Y	121.4	0.00	4.61	0.81	0	6	1	99	0.00	0.0	4.805	0.000	6	1	1	1
PL.22411	PL.16229	A	4ACSR	7.28Y	121.4	0.00	4.60	0.73	0	5	1	98	0.00	0.0	4.711	0.056	0	0	0	3
PL.22412	PL.22411	A	4ACSR	7.28Y	121.4	0.00	4.60	0.67	0	5	1	98	0.00	0.0	4.744	0.034	0	0	0	2
140614	PL.22412	A	Consumer	7.28Y	121.4	0.00	4.60	0.34	0	2	0	100	0.00	0.0	4.744	0.000	2	0	1	1
140607	PL.22412	A	Consumer	7.28Y	121.4	0.00	4.60	0.34	0	2	0	100	0.00	0.0	4.744	0.000	2	0	1	1
140615	PL.22411	A	Consumer	7.28Y	121.4	0.00	4.60	0.05	0	0	0	100	0.00	0.0	4.711	0.000	0	0	1	1
PL.14211	PL.16229	A	4ACSR	7.28Y	121.4	0.02	4.62	3.37	2	24	5	98	0.00	0.0	4.803	0.149	0	0	0	7
PL.14212	PL.14211	A	4ACSR	7.28Y	121.4	0.01	4.63	2.30	1	16	3	98	0.00	0.0	4.867	0.063	0	0	0	6
PL.20941	PL.14212	A	4ACSR	7.28Y	121.4	0.00	4.63	1.82	1	13	2	99	0.00	0.0	4.870	0.003	0	0	0	5
PL.45292	PL.20941	A	4ACSR	7.28Y	121.4	0.01	4.63	1.82	1	13	2	99	0.00	0.0	4.963	0.092	0	0	0	5
1416010	PL.45292	A	Consumer	7.28Y	121.4	0.00	4.63	0.00	0	0	0	100	0.00	0.0	4.963	0.000	0	0	0	0

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

Unbalanced Voltage Drop Report
Source: HIGH ROCK

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.45293	PL.45292	A	4ACSR	7.28Y	121.4	0.01	4.64	1.82	1	13	2	99	0.00	0.0	5.070	0.108	0	0	0	5
PD.116-A	PL.45293	A	Closed	7.28Y	121.4	0.00	4.64	1.82	0	13	2	99	0.00	0.0	5.070	0.000	0	0	0	5
PD.116-B	PD.116-A	A	Closed	7.28Y	121.4	0.00	4.64	1.82	0	13	2	99	0.00	0.0	5.070	0.000	0	0	0	5
PL.16232	PD.116-B	A	4ACSR	7.28Y	121.3	0.02	4.67	1.82	1	13	2	99	0.00	0.0	5.375	0.304	0	0	0	5
PL.14213	PL.16232	A	4ACSR	7.28Y	121.3	0.02	4.69	1.82	1	13	2	99	0.00	0.0	5.613	0.239	0	0	0	5
PL.45938	PL.14213	A	4ACSR	7.28Y	121.3	0.00	4.69	1.35	1	10	2	98	0.00	0.0	5.628	0.015	0	0	0	2
PD.8691	PL.45938	A	fuse6AMP	7.28Y	121.3	0.00	4.69	1.35	23	10	2	98	0.00	0.0	5.628	0.000	0	0	0	2
PL.45939	PD.8691	A	4ACSR	7.28Y	121.3	0.01	4.70	1.35	1	10	2	98	0.00	0.0	5.814	0.186	0	0	0	2
PL.14401	PL.45939	A	4ACSR	7.28Y	121.3	0.00	4.70	0.17	0	1	0	100	0.00	0.0	5.938	0.124	0	0	0	1
141701	PL.14401	A	Consumer	7.28Y	121.3	0.00	4.70	0.17	0	1	0	100	0.00	0.0	5.938	0.000	1	0	1	1
PL.412	PL.45939	A	4ACSR	7.28Y	121.3	0.00	4.70	1.18	1	8	2	97	0.00	0.0	5.885	0.071	0	0	0	1
141702	PL.412	A	Consumer	7.28Y	121.3	0.00	4.70	1.18	0	8	2	97	0.00	0.0	5.885	0.000	8	2	1	1
PL.45940	PL.14213	A	4ACSR	7.28Y	121.3	0.00	4.69	0.47	0	3	1	95	0.00	0.0	5.637	0.024	0	0	0	3
PD.8692	PL.45940	A	fuse6AMP	7.28Y	121.3	0.00	4.69	0.47	8	3	1	95	0.00	0.0	5.637	0.000	0	0	0	3
PL.45941	PD.8692	A	4ACSR	7.28Y	121.3	0.00	4.69	0.47	0	3	1	95	0.00	0.0	5.812	0.174	0	0	0	3
PL.5707	PL.45941	A	4ACSR	7.28Y	121.3	0.00	4.69	0.00	0	0	0	100	0.00	0.0	6.075	0.263	0	0	0	2
141607	PL.5707	A	Consumer	7.28Y	121.3	0.00	4.69	0.00	0	0	0	100	0.00	0.0	6.075	0.000	0	0	1	1
141604	PL.5707	A	Consumer	7.28Y	121.3	0.00	4.69	0.00	0	0	0	100	0.00	0.0	6.075	0.000	0	0	1	1
141608	PL.45941	A	Consumer	7.28Y	121.3	0.00	4.69	0.47	0	3	1	95	0.00	0.0	5.812	0.000	3	1	1	1
PL.22272	PL.14212	A	4ACSR	7.28Y	121.4	0.00	4.63	0.48	0	3	1	95	0.00	0.0	4.948	0.081	0	0	0	1
141609	PL.22272	A	Consumer	7.28Y	121.4	0.00	4.63	0.48	0	3	1	95	0.00	0.0	4.948	0.000	3	1	1	1
1406020	PL.14211	A	Consumer	7.28Y	121.4	0.00	4.62	0.00	0	0	0	100	0.00	0.0	4.803	0.000	0	0	0	0
140616	PL.14211	A	Consumer	7.28Y	121.4	0.00	4.62	1.07	0	8	1	99	0.00	0.0	4.803	0.000	8	1	1	1
PL.16230	PL.54	A	4ACSR	7.29Y	121.4	0.00	4.58	3.48	2	25	5	98	0.00	0.0	4.563	0.013	0	0	0	14
PD.117-A	PL.16230	A	Closed	7.29Y	121.4	0.00	4.58	3.48	0	25	5	98	0.00	0.0	4.563	0.000	0	0	0	14
PD.117-B	PD.117-A	A	Closed	7.29Y	121.4	0.00	4.58	3.48	0	25	5	98	0.00	0.0	4.563	0.000	0	0	0	14
PL.16231	PD.117-B	A	4ACSR	7.29Y	121.4	0.00	4.58	3.48	2	25	5	98	0.00	0.0	4.579	0.017	0	0	0	14
140601	PL.16231	A	Consumer	7.29Y	121.4	0.00	4.58	0.00	0	0	0	100	0.00	0.0	4.579	0.000	0	0	1	1
PL.14210	PL.16231	A	4ACSR	7.28Y	121.4	0.02	4.60	3.48	2	25	5	98	0.00	0.0	4.708	0.129	0	0	0	13
PL.19055	PL.14210	A	4ACSR	7.28Y	121.4	0.05	4.64	3.44	2	25	5	98	0.01	0.0	5.013	0.305	0	0	0	12
PL.19056	PL.19055	A	4ACSR	7.28Y	121.3	0.04	4.69	3.44	2	25	5	98	0.01	0.0	5.297	0.284	0	0	0	12
PL.55	PL.19056	A	4ACSR	7.28Y	121.3	0.03	4.71	3.44	2	25	5	98	0.01	0.0	5.486	0.189	0	0	0	12
PD.118-A	PL.55	A	Closed	7.28Y	121.3	0.00	4.71	3.44	0	25	5	98	0.00	0.0	5.486	0.000	0	0	0	12
PD.118-B	PD.118-A	A	Closed	7.28Y	121.3	0.00	4.71	3.44	0	25	5	98	0.00	0.0	5.486	0.000	0	0	0	12
PL.14402	PD.118-B	A	4ACSR	7.28Y	121.3	0.02	4.73	3.44	2	25	5	98	0.00	0.0	5.623	0.137	0	0	0	12
PL.17841	PL.14402	A	4ACSR	7.27Y	121.2	0.02	4.76	3.06	2	22	4	98	0.00	0.0	5.805	0.183	0	0	0	10
PL.42210	PL.17841	A	4ACSR	7.27Y	121.2	0.04	4.80	3.06	2	22	4	98	0.01	0.0	6.128	0.323	0	0	0	10
PL.28143	PL.42210	A	4ACSR	7.27Y	121.2	0.01	4.82	3.06	2	22	4	98	0.00	0.0	6.231	0.103	0	0	0	10

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: HIGH ROCK

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.8559	PL.28143	A	4ACSR	7.27Y	121.2	0.02	4.84	3.06	2	22	4	98	0.00	0.0	6.416	0.185	0	0	0	10
PL.5710	PL.8559	A	4ACSR	7.27Y	121.2	0.00	4.84	1.19	1	8	2	97	0.00	0.0	6.416	0.000	0	0	0	4
PL.16225	PL.5710	A	4ACSR	7.27Y	121.2	0.00	4.84	0.58	0	4	1	97	0.00	0.0	6.427	0.011	0	0	0	3
PD.684	PL.16225	A	fuse6AMP	7.27Y	121.2	0.00	4.84	0.58	10	4	1	97	0.00	0.0	6.427	0.000	0	0	0	3
PL.16226	PD.684	A	4ACSR	7.27Y	121.2	0.00	4.84	0.58	0	4	1	97	0.00	0.0	6.560	0.133	0	0	0	3
PL.14403	PL.16226	A	4ACSR	7.27Y	121.1	0.01	4.85	0.58	0	4	1	97	0.00	0.0	6.819	0.259	0	0	0	3
PL.14404	PL.14403	A	4ACSR	7.27Y	121.1	0.00	4.85	0.35	0	2	0	100	0.00	0.0	6.894	0.075	0	0	0	2
PL.35596	PL.14404	A	4ACSR	7.27Y	121.1	0.00	4.85	0.00	0	0	0	100	0.00	0.0	7.113	0.219	0	0	0	0
PD.5235-A	PL.35596	A	Open	7.27Y	121.1	0.00	4.85	0.00	0	0	0	100	0.00	0.0	7.113	0.000	0	0	0	0
141526	PL.14404	A	Consumer	7.27Y	121.1	0.00	4.85	0.00	0	0	0	100	0.00	0.0	6.894	0.000	0	0	1	1
141522	PL.14404	A	Consumer	7.27Y	121.1	0.00	4.85	0.34	0	2	0	100	0.00	0.0	6.894	0.000	2	0	1	1
PL.35598	PL.14403	A	4ACSR	7.27Y	121.1	0.00	4.85	0.23	0	2	0	100	0.00	0.0	6.824	0.005	0	0	0	1
PD.5236	PL.35598	A	fuse6AMP	7.27Y	121.1	0.00	4.85	0.23	4	2	0	100	0.00	0.0	6.824	0.000	0	0	0	1
PL.45279	PD.5236	A	4ACSR	7.27Y	121.1	0.00	4.85	0.23	0	2	0	100	0.00	0.0	6.908	0.084	0	0	0	1
141521	PL.45279	A	Consumer	7.27Y	121.1	0.00	4.85	0.23	0	2	0	100	0.00	0.0	6.908	0.000	2	0	1	1
PL.35599	PD.5236	A	4ACSR	7.27Y	121.1	0.00	4.85	0.00	0	0	0	100	0.00	0.0	6.864	0.040	0	0	0	0
141502	PL.35599	A	Consumer	7.27Y	121.1	0.00	4.85	0.00	0	0	0	100	0.00	0.0	6.864	0.000	0	0	0	0
141524	PL.35599	A	Consumer	7.27Y	121.1	0.00	4.85	0.00	0	0	0	100	0.00	0.0	6.864	0.000	0	0	0	0
141528	PL.5710	A	Consumer	7.27Y	121.2	0.00	4.84	0.61	0	4	1	97	0.00	0.0	6.416	0.000	4	1	1	1
PL.16223	PL.8559	A	4ACSR	7.27Y	121.2	0.00	4.84	1.87	1	13	3	97	0.00	0.0	6.427	0.011	0	0	0	6
PD.682	PL.16223	A	fuse6AMP	7.27Y	121.2	0.00	4.84	1.87	32	13	3	97	0.00	0.0	6.427	0.000	0	0	0	6
PL.16224	PD.682	A	4ACSR	7.27Y	121.2	0.00	4.84	1.87	1	13	3	97	0.00	0.0	6.467	0.040	0	0	0	6
PL.22287	PL.16224	A	4ACSR	7.27Y	121.2	0.00	4.85	0.28	0	2	0	100	0.00	0.0	6.555	0.088	0	0	0	1
141525	PL.22287	A	Consumer	7.27Y	121.2	0.00	4.85	0.28	0	2	0	100	0.00	0.0	6.555	0.000	2	0	1	1
PL.14405	PL.16224	A	4ACSR	7.27Y	121.2	0.00	4.85	1.59	1	11	2	98	0.00	0.0	6.490	0.023	0	0	0	5
PL.5709	PL.14405	A	4ACSR	7.27Y	121.1	0.01	4.85	1.51	1	11	2	98	0.00	0.0	6.572	0.083	0	0	0	4
1415029	PL.5709	A	Consumer	7.27Y	121.1	0.00	4.85	0.00	0	0	0	100	0.00	0.0	6.572	0.000	0	0	0	0
PL.19548	PL.5709	A	4ACSR	7.27Y	121.1	0.01	4.86	1.51	1	11	2	98	0.00	0.0	6.687	0.115	0	0	0	4
PL.19549	PL.19548	A	4ACSR	7.27Y	121.1	0.00	4.86	1.42	1	10	2	98	0.00	0.0	6.741	0.054	0	0	0	3
PL.22288	PL.19549	A	4ACSR	7.27Y	121.1	0.00	4.86	0.10	0	1	0	100	0.00	0.0	6.830	0.088	0	0	0	1
141403	PL.22288	A	Consumer	7.27Y	121.1	0.00	4.86	0.10	0	1	0	100	0.00	0.0	6.830	0.000	1	0	1	1
141404	PL.22288	A	Consumer	7.27Y	121.1	0.00	4.86	0.00	0	0	0	100	0.00	0.0	6.830	0.000	0	0	0	0
PL.16221	PL.19549	A	4ACSR	7.27Y	121.1	0.00	4.86	1.32	1	9	2	98	0.00	0.0	6.752	0.011	0	0	0	2
PD.685	PL.16221	A	fuse6AMP	7.27Y	121.1	0.00	4.86	1.32	23	9	2	98	0.00	0.0	6.752	0.000	0	0	0	2
PL.37911	PD.685	A	4ACSR	7.27Y	121.1	0.01	4.88	1.32	1	9	2	98	0.00	0.0	6.984	0.231	0	0	0	2
PD.6263-A	PL.37911	A	Closed	7.27Y	121.1	0.00	4.88	1.32	0	9	2	98	0.00	0.0	6.984	0.000	0	0	0	2
PD.6263-B	PD.6263-A	A	Closed	7.27Y	121.1	0.00	4.88	1.32	0	9	2	98	0.00	0.0	6.984	0.000	0	0	0	2
PL.37912	PD.6263-B	A	4ACSR	7.27Y	121.1	0.00	4.88	1.32	1	9	2	98	0.00	0.0	6.991	0.008	0	0	0	2

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Unbalanced Voltage Drop Report
Source: HIGH ROCK

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.37909	PL.37912	A	4ACSR	7.27Y	121.1	0.00	4.88	0.59	0	4	1	97	0.00	0.0	7.002	0.011	0	0	0	1
PL.37910	PL.37909	A	4ACSR	7.27Y	121.1	0.00	4.88	0.59	0	4	1	97	0.00	0.0	7.117	0.115	0	0	0	1
141527	PL.37910	A	Consumer	7.27Y	121.1	0.00	4.88	0.59	0	4	1	97	0.00	0.0	7.117	0.000	4	1	1	1
PL.14406	PL.37912	A	4ACSR	7.27Y	121.1	0.01	4.88	0.74	0	5	1	98	0.00	0.0	7.150	0.158	0	0	0	1
PL.22273	PL.14406	A	4ACSR	7.27Y	121.1	0.00	4.89	0.74	0	5	1	98	0.00	0.0	7.266	0.116	0	0	0	1
PL.22274	PL.22273	A	4ACSR	7.27Y	121.1	0.00	4.89	0.74	0	5	1	98	0.00	0.0	7.398	0.132	0	0	0	1
142503	PL.22274	A	Consumer	7.27Y	121.1	0.00	4.89	0.74	0	5	1	98	0.00	0.0	7.398	0.000	5	1	1	1
142502	PL.22274	A	Consumer	7.27Y	121.1	0.00	4.89	0.00	0	0	0	100	0.00	0.0	7.398	0.000	0	0	0	0
PL.14061	PL.14406	A	4ACSR	7.27Y	121.1	0.00	4.88	0.00	0	0	0	100	0.00	0.0	7.595	0.445	0	0	0	0
141510	PL.19548	A	Consumer	7.27Y	121.1	0.00	4.86	0.09	0	1	0	100	0.00	0.0	6.687	0.000	1	0	1	1
141520	PL.14405	A	Consumer	7.27Y	121.2	0.00	4.85	0.08	0	1	0	100	0.00	0.0	6.490	0.000	1	0	1	1
PL.35608	PL.14402	A	4ACSR	7.28Y	121.3	0.00	4.74	0.25	0	2	0	100	0.00	0.0	5.633	0.010	0	0	0	1
PD.5240	PL.35608	A	fuse6AMP	7.28Y	121.3	0.00	4.74	0.25	4	2	0	100	0.00	0.0	5.633	0.000	0	0	0	1
PL.35609	PD.5240	A	4ACSR	7.28Y	121.3	0.00	4.74	0.25	0	2	0	100	0.00	0.0	5.716	0.083	0	0	0	1
141516	PL.35609	A	Consumer	7.28Y	121.3	0.00	4.74	0.25	0	2	0	100	0.00	0.0	5.716	0.000	2	0	1	1
PL.27998	PL.14402	A	4ACSR	7.28Y	121.3	0.00	4.74	0.13	0	1	0	100	0.00	0.0	5.895	0.273	0	0	0	1
141506	PL.27998	A	Consumer	7.28Y	121.3	0.00	4.74	0.00	0	0	0	100	0.00	0.0	5.895	0.000	0	0	0	0
140508	PL.27998	A	Consumer	7.28Y	121.3	0.00	4.74	0.13	0	1	0	100	0.00	0.0	5.895	0.000	1	0	1	1
141523	PL.27998	A	Consumer	7.28Y	121.3	0.00	4.74	0.00	0	0	0	100	0.00	0.0	5.895	0.000	0	0	0	0
PL.27999	PL.27998	A	4ACSR	7.28Y	121.3	0.00	4.74	0.00	0	0	0	100	0.00	0.0	5.896	0.000	0	0	0	0
PL.35606	PL.14210	A	4ACSR	7.28Y	121.4	-0.00	4.60	0.04	0	0	0	100	0.00	0.0	4.712	0.004	0	0	0	1
PD.5239	PL.35606	A	fuse6AMP	7.28Y	121.4	0.00	4.60	0.04	1	0	0	100	0.00	0.0	4.712	0.000	0	0	0	1
PL.35607	PD.5239	A	4ACSR	7.28Y	121.4	0.00	4.60	0.04	0	0	0	100	0.00	0.0	4.854	0.142	0	0	0	1
140602	PL.35607	A	Consumer	7.28Y	121.4	0.00	4.60	0.04	0	0	0	100	0.00	0.0	4.854	0.000	0	0	1	1
PL.411	PL.14195	A	4ACSR	7.29Y	121.5	0.00	4.48	0.00	0	0	0	100	0.00	0.0	4.301	0.003	0	0	0	0
PL.35604	PL.14399	A	4ACSR	7.29Y	121.5	0.00	4.45	0.25	0	2	0	100	0.00	0.0	4.248	0.017	0	0	0	1
PD.5238	PL.35604	A	fuse6AMP	7.29Y	121.5	0.00	4.45	0.25	4	2	0	100	0.00	0.0	4.248	0.000	0	0	0	1
PL.35605	PD.5238	A	4ACSR	7.29Y	121.5	0.00	4.45	0.25	0	2	0	100	0.00	0.0	4.276	0.028	0	0	0	1
PL.25276	PL.35605	A	4ACSR	7.29Y	121.5	0.00	4.45	0.00	0	0	0	100	0.00	0.0	4.395	0.120	0	0	0	0
089608	PL.35605	A	Consumer	7.29Y	121.5	0.00	4.45	0.25	0	2	0	100	0.00	0.0	4.276	0.000	2	0	1	1
PL.35675	PL.25277	A	4ACSR	7.30Y	121.7	0.00	4.27	0.56	0	4	1	97	0.00	0.0	3.849	0.016	0	0	0	1
PD.5251	PL.35675	A	fuse6AMP	7.30Y	121.7	0.00	4.27	0.56	10	4	1	97	0.00	0.0	3.849	0.000	0	0	0	1
PL.35676	PD.5251	A	4ACSR	7.30Y	121.7	0.00	4.27	0.56	0	4	1	97	0.00	0.0	3.915	0.065	0	0	0	1
089602	PL.35676	A	Consumer	7.30Y	121.7	0.00	4.27	0.56	0	4	1	97	0.00	0.0	3.915	0.000	4	1	1	1
088608	PL.24834	A	Consumer	7.31Y	121.8	0.00	4.18	0.86	0	6	1	99	0.00	0.0	3.656	0.000	6	1	1	1
088622	PL.24834	A	Consumer	7.31Y	121.8	0.00	4.18	0.00	0	0	0	100	0.00	0.0	3.656	0.000	0	0	0	0
PL.35602	PL.17953	A	4ACSR	7.32Y	122.0	0.00	4.01	1.87	1	13	5	93	0.00	0.0	3.380	0.009	0	0	0	2
PD.1819	PL.35602	A	fuse6AMP	7.32Y	122.0	0.00	4.01	1.87	32	13	5	93	0.00	0.0	3.380	0.000	0	0	0	2

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: HIGH ROCK

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.35603	PD.1819	A	4ACSR	7.32Y	122.0	0.00	4.02	1.87	1	13	5	93	0.00	0.0	3.431	0.052	0	0	0	2
088625	PL.35603	A	Consumer	7.32Y	122.0	0.00	4.02	0.77	0	6	1	99	0.00	0.0	3.431	0.000	6	1	1	1
088630	PL.35603	A	Consumer	7.32Y	122.0	0.00	4.02	1.11	0	7	4	87	0.00	0.0	3.431	0.000	7	4	1	1
088606	PL.16247	A	Consumer	7.33Y	122.2	0.00	3.83	0.38	0	3	1	95	0.00	0.0	3.130	0.000	3	1	1	1
088615	PL.16247	A	Consumer	7.33Y	122.2	0.00	3.83	0.25	0	2	0	100	0.00	0.0	3.130	0.000	2	0	1	1
088628	PL.16247	A	Consumer	7.33Y	122.2	0.00	3.83	0.00	0	0	0	100	0.00	0.0	3.130	0.000	0	0	0	0
088629	PL.19177	A	Consumer	7.34Y	122.3	0.00	3.73	1.13	0	8	2	97	0.00	0.0	3.035	0.000	8	2	1	1
PL.16248	PL.14069	A	4ACSR	7.38Y	123.1	0.00	2.94	0.15	0	1	0	100	0.00	0.0	2.345	0.017	0	0	0	3
PD.1818	PL.16248	A	fuse6AMP	7.38Y	123.1	0.00	2.94	0.15	3	1	0	100	0.00	0.0	2.345	0.000	0	0	0	3
PL.23429	PD.1818	A	4ACSR	7.38Y	123.1	0.00	2.94	0.15	0	1	0	100	0.00	0.0	2.488	0.144	0	0	0	3
087606	PL.23429	A	Consumer	7.38Y	123.1	0.00	2.94	0.09	0	1	0	100	0.00	0.0	2.488	0.000	1	0	1	1
PL.21791	PL.23429	A	4ACSR	7.38Y	123.1	0.00	2.94	0.06	0	0	0	100	0.00	0.0	2.534	0.046	0	0	0	2
087608	PL.21791	A	Consumer	7.38Y	123.1	0.00	2.94	0.04	0	0	0	100	0.00	0.0	2.534	0.000	0	0	1	1
087614	PL.21791	A	Consumer	7.38Y	123.1	0.00	2.94	0.02	0	0	0	100	0.00	0.0	2.534	0.000	0	0	1	1
PL.5241	PD.1817	A	4ACSR	7.39Y	123.2	0.00	2.77	0.42	0	3	1	95	0.00	0.0	2.260	0.072	0	0	0	1
087605	PL.5241	A	Consumer	7.39Y	123.2	0.00	2.77	0.42	0	3	1	95	0.00	0.0	2.260	0.000	3	1	1	1
PL.5242	PD.1817	A	4ACSR	7.39Y	123.2	0.00	2.77	0.00	0	0	0	100	0.00	0.0	2.252	0.064	0	0	0	1
087619	PL.5242	A	Consumer	7.39Y	123.2	0.00	2.77	0.00	0	0	0	100	0.00	0.0	2.252	0.000	0	0	0	0
087620	PL.5242	A	Consumer	7.39Y	123.2	0.00	2.77	0.00	0	0	0	100	0.00	0.0	2.252	0.000	0	0	1	1
PL.35564	PL.18522	A	4ACSR	7.41Y	123.5	0.00	2.53	3.78	2	28	5	98	0.00	0.0	1.991	0.005	0	0	0	7
PD.5222-A	PL.35564	A	Closed	7.41Y	123.5	0.00	2.53	3.78	0	28	5	98	0.00	0.0	1.991	0.000	0	0	0	7
PD.5222-B	PD.5222-A	A	Closed	7.41Y	123.5	0.00	2.53	3.78	0	28	5	98	0.00	0.0	1.991	0.000	0	0	0	7
PL.35565	PD.5222-B	A	4ACSR	7.41Y	123.5	0.02	2.55	3.78	2	28	5	98	0.00	0.0	2.098	0.108	0	0	0	7
PL.16251	PL.35565	A	4ACSR	7.41Y	123.4	0.00	2.55	3.35	2	24	5	98	0.00	0.0	2.114	0.016	0	0	0	5
PD.1814	PL.16251	A	fuse6AMP	7.41Y	123.4	0.00	2.55	3.35	57	24	5	98	0.00	0.0	2.114	0.000	0	0	0	5
PL.16252	PD.1814	A	4ACSR	7.41Y	123.4	0.01	2.56	3.35	2	24	5	98	0.00	0.0	2.198	0.084	0	0	0	5
087618	PL.16252	A	Consumer	7.41Y	123.4	0.00	2.56	0.73	0	5	1	98	0.00	0.0	2.198	0.000	5	1	1	1
PL.24831	PL.16252	A	4ACSR	7.40Y	123.4	0.04	2.61	2.62	1	19	4	98	0.01	0.0	2.588	0.390	0	0	0	4
PL.25280	PL.24831	A	4ACSR	7.40Y	123.4	0.02	2.63	1.93	1	14	3	98	0.00	0.0	2.810	0.223	0	0	0	3
PL.25279	PL.25280	A	4ACSR	7.40Y	123.4	0.00	2.63	0.00	0	0	0	100	0.00	0.0	2.878	0.067	0	0	0	0
087705	PL.25280	A	Consumer	7.40Y	123.4	0.00	2.63	1.05	0	8	1	99	0.00	0.0	2.810	0.000	8	1	1	1
087704	PL.25280	A	Consumer	7.40Y	123.4	0.00	2.63	0.57	0	4	1	97	0.00	0.0	2.810	0.000	4	1	1	1
087702	PL.25280	A	Consumer	7.40Y	123.4	0.00	2.63	0.31	0	2	0	100	0.00	0.0	2.810	0.000	2	0	1	1
087706	PL.24831	A	Consumer	7.40Y	123.4	0.00	2.61	0.69	0	5	1	98	0.00	0.0	2.588	0.000	5	1	1	1
087621	PL.35565	A	Consumer	7.41Y	123.5	0.00	2.55	0.08	0	1	0	100	0.00	0.0	2.098	0.000	1	0	1	1
087602	PL.35565	A	Consumer	7.41Y	123.5	0.00	2.55	0.36	0	3	0	100	0.00	0.0	2.098	0.000	3	0	1	1
PL.27095	PL.27098	A	4ACSR	7.45Y	124.2	0.00	1.84	0.52	0	4	1	97	0.00	0.0	1.504	0.016	0	0	0	1
PD.2052	PL.27095	A	fuse6AMP	7.45Y	124.2	0.00	1.84	0.52	9	4	1	97	0.00	0.0	1.504	0.000	0	0	0	1

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

Unbalanced Voltage Drop Report
Source: HIGH ROCK

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.27096	PD.2052	A	4ACSR	7.45Y	124.2	0.00	1.84	0.52	0	4	1	97	0.00	0.0	1.605	0.101	0	0	0	1
086628	PL.27096	A	Consumer	7.45Y	124.2	0.00	1.84	0.52	0	4	1	97	0.00	0.0	1.605	0.000	4	1	1	1
086609	PL.27098	A	Consumer	7.45Y	124.2	0.00	1.84	0.38	0	3	1	95	0.00	0.0	1.488	0.000	3	1	1	1
086632	PL.14078	A	Consumer	7.49Y	124.8	0.00	1.17	0.33	0	2	0	100	0.00	0.0	1.028	0.000	2	0	1	1
PL.27099	PL.14077	A	4ACSR	7.49Y	124.9	0.00	1.13	0.11	0	1	0	100	0.00	0.0	1.016	0.020	0	0	0	1
PD.2051	PL.27099	A	fuse6AMP	7.49Y	124.9	0.00	1.13	0.11	2	1	0	100	0.00	0.0	1.016	0.000	0	0	0	1
PL.27100	PD.2051	A	4ACSR	7.49Y	124.9	0.00	1.13	0.11	0	1	0	100	0.00	0.0	1.080	0.065	0	0	0	1
086607	PL.27100	A	Consumer	7.49Y	124.9	0.00	1.13	0.11	0	1	0	100	0.00	0.0	1.080	0.000	1	0	1	1
086606	PL.18831	A	Consumer	7.50Y	125.0	0.00	1.04	0.00	0	0	0	100	0.00	0.0	0.936	0.000	0	0	0	0
PL.404	PL.46111	A	1/0ACSR	7.56Y	125.9	0.01	0.08	5.96	2	44	8	98	0.00	0.0	0.150	0.075	0	0	0	20
PL.20433	PL.404	A	4ACSR	7.55Y	125.9	0.00	0.08	5.96	3	44	8	98	0.00	0.0	0.155	0.005	0	0	0	20
PD.3456	PL.20433	A	50V4E	7.55Y	125.9	0.00	0.08	5.96	12	44	8	98	0.00	0.0	0.155	0.000	0	0	0	20
PL.20434	PD.3456	A	4ACSR	7.55Y	125.9	0.03	0.12	5.96	3	44	8	98	0.01	0.0	0.288	0.133	0	0	0	20
PL.21062	PL.20434	A	4ACSR	7.55Y	125.9	0.00	0.12	1.61	1	12	2	99	0.00	0.0	0.302	0.014	0	0	0	4
PL.21063	PL.21062	A	4ACSR	7.55Y	125.9	0.00	0.12	1.61	1	12	2	99	0.00	0.0	0.353	0.051	0	0	0	4
PL.5219	PL.21063	A	4ACSR	7.55Y	125.9	0.00	0.13	1.20	1	9	2	98	0.00	0.0	0.437	0.084	0	0	0	2
PL.5220	PL.5219	A	4ACSR	7.55Y	125.9	0.00	0.13	1.20	1	9	2	98	0.00	0.0	0.520	0.084	0	0	0	2
085622	PL.5220	A	Consumer	7.55Y	125.9	0.00	0.13	0.20	0	2	0	100	0.00	0.0	0.520	0.000	2	0	1	1
PL.32956	PL.5220	A	4ACSR	7.55Y	125.9	0.00	0.13	1.00	1	7	1	99	0.00	0.0	0.568	0.047	0	0	0	1
0856035	PL.32956	A	Consumer	7.55Y	125.9	0.00	0.13	1.00	0	7	1	99	0.00	0.0	0.568	0.000	7	1	1	1
PL.5226	PL.21063	A	4ACSR	7.55Y	125.9	0.00	0.13	0.41	0	3	1	95	0.00	0.0	0.453	0.100	0	0	0	2
PL.5227	PL.5226	A	4ACSR	7.55Y	125.9	0.00	0.13	0.00	0	0	0	100	0.00	0.0	0.490	0.037	0	0	0	0
PL.5228	PL.5227	A	4ACSR	7.55Y	125.9	0.00	0.13	0.00	0	0	0	100	0.00	0.0	0.549	0.059	0	0	0	0
085631	PL.5226	A	Consumer	7.55Y	125.9	0.00	0.13	0.00	0	0	0	100	0.00	0.0	0.453	0.000	0	0	1	1
085620	PL.5226	A	Consumer	7.55Y	125.9	0.00	0.13	0.41	0	3	1	95	0.00	0.0	0.453	0.000	3	1	1	1
PL.14393	PL.20434	A	4ACSR	7.55Y	125.8	0.06	0.18	4.35	2	32	6	98	0.01	0.0	0.602	0.314	0	0	0	16
PL.27686	PL.14393	A	4ACSR	7.55Y	125.8	0.00	0.18	0.17	0	1	0	100	0.00	0.0	0.615	0.012	0	0	0	1
PL.27685	PL.27686	A	4ACSR	7.55Y	125.8	0.00	0.18	0.17	0	1	0	100	0.00	0.0	0.691	0.077	0	0	0	1
PL.5222	PL.27685	A	4ACSR	7.55Y	125.8	0.00	0.18	0.17	0	1	0	100	0.00	0.0	0.769	0.077	0	0	0	1
PL.5223	PL.5222	A	4ACSR	7.55Y	125.8	0.00	0.18	0.17	0	1	0	100	0.00	0.0	0.810	0.041	0	0	0	1
PD.2047	PL.5223	A	fuse6AMP	7.55Y	125.8	0.00	0.18	0.17	3	1	0	100	0.00	0.0	0.810	0.000	0	0	0	1
PL.5224	PD.2047	A	4ACSR	7.55Y	125.8	0.00	0.18	0.17	0	1	0	100	0.00	0.0	0.920	0.109	0	0	0	1
PL.5225	PL.5224	A	4ACSR	7.55Y	125.8	0.00	0.18	0.17	0	1	0	100	0.00	0.0	0.977	0.057	0	0	0	1
085601	PL.5225	A	Consumer	7.55Y	125.8	0.00	0.18	0.00	0	0	0	100	0.00	0.0	0.977	0.000	0	0	0	0
085613	PL.5225	A	Consumer	7.55Y	125.8	0.00	0.18	0.00	0	0	0	100	0.00	0.0	0.977	0.000	0	0	0	0
PL.8463	PL.5225	A	4ACSR	7.55Y	125.8	0.00	0.18	0.17	0	1	0	100	0.00	0.0	1.032	0.055	0	0	0	1
PL.8462	PL.8463	A	4ACSR	7.55Y	125.8	0.00	0.18	0.17	0	1	0	100	0.00	0.0	1.053	0.020	0	0	0	1
PL.20168	PL.8462	A	4ACSR	7.55Y	125.8	0.00	0.18	0.17	0	1	0	100	0.00	0.0	1.135	0.082	0	0	0	1

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

Unbalanced Voltage Drop Report
Source: HIGH ROCK

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.20167	PL.20168	A	4ACSR	7.55Y	125.8	0.00	0.18	0.17	0	1	0	100	0.00	0.0	1.144	0.009	0	0	0	1
PL.24570	PL.20167	A	4ACSR	7.55Y	125.8	0.00	0.18	0.17	0	1	0	100	0.00	0.0	1.207	0.063	0	0	0	1
PL.14394	PL.24570	A	4ACSR	7.55Y	125.8	0.00	0.18	0.17	0	1	0	100	0.00	0.0	1.231	0.024	0	0	0	1
PL.14395	PL.14394	A	4ACSR	7.55Y	125.8	0.00	0.18	0.17	0	1	0	100	0.00	0.0	1.390	0.159	0	0	0	1
085515	PL.14395	A	Consumer	7.55Y	125.8	0.00	0.18	0.17	0	1	0	100	0.00	0.0	1.390	0.000	1	0	1	1
PL.35563	PL.14393	A	4ACSR	7.55Y	125.8	0.00	0.18	3.95	2	29	5	99	0.00	0.0	0.609	0.007	0	0	0	14
PD.5221-A	PL.35563	A	Closed	7.55Y	125.8	0.00	0.18	3.95	0	29	5	99	0.00	0.0	0.609	0.000	0	0	0	14
PD.5221-B	PD.5221-A	A	Closed	7.55Y	125.8	0.00	0.18	3.95	0	29	5	99	0.00	0.0	0.609	0.000	0	0	0	14
PL.35562	PD.5221-B	A	4ACSR	7.55Y	125.8	0.02	0.20	3.95	2	29	5	99	0.00	0.0	0.708	0.099	0	0	0	14
PL.8464	PL.35562	A	4ACSR	7.55Y	125.8	0.01	0.21	3.61	2	27	5	98	0.00	0.0	0.774	0.066	0	0	0	12
PL.14391	PL.8464	A	4ACSR	7.55Y	125.8	0.00	0.21	3.61	2	27	5	98	0.00	0.0	0.799	0.026	0	0	0	12
PL.27688	PL.14391	A	4ACSR	7.55Y	125.8	0.00	0.21	3.61	2	27	5	98	0.00	0.0	0.808	0.009	0	0	0	12
PD.24-A	PL.27688	A	Closed	7.55Y	125.8	0.00	0.21	3.61	0	27	5	98	0.00	0.0	0.808	0.000	0	0	0	12
PD.24-B	PD.24-A	A	Closed	7.55Y	125.8	0.00	0.21	3.61	0	27	5	98	0.00	0.0	0.808	0.000	0	0	0	12
PL.27687	PD.24-B	A	4ACSR	7.55Y	125.8	0.01	0.22	3.61	2	27	5	98	0.00	0.0	0.877	0.069	0	0	0	12
PL.5040	PL.27687	A	4ACSR	7.55Y	125.8	0.00	0.22	0.04	0	0	0	100	0.00	0.0	0.943	0.066	0	0	0	1
084602	PL.5040	A	Consumer	7.55Y	125.8	0.00	0.22	0.04	0	0	0	100	0.00	0.0	0.943	0.000	0	0	1	1
PL.8303	PL.27687	A	4ACSR	7.55Y	125.8	0.01	0.24	2.37	1	18	3	99	0.00	0.0	1.023	0.145	0	0	0	6
084613	PL.8303	A	Consumer	7.55Y	125.8	0.00	0.24	0.23	0	2	0	100	0.00	0.0	1.023	0.000	2	0	1	1
084615	PL.8303	A	Consumer	7.55Y	125.8	0.00	0.24	0.00	0	0	0	100	0.00	0.0	1.023	0.000	0	0	0	0
PL.14390	PL.8303	A	4ACSR	7.55Y	125.8	0.01	0.24	2.14	1	16	3	98	0.00	0.0	1.080	0.058	0	0	0	5
PL.18347	PL.14390	A	4ACSR	7.55Y	125.8	0.00	0.24	0.97	1	7	1	99	0.00	0.0	1.094	0.014	0	0	0	2
PD.26-A	PL.18347	A	Closed	7.55Y	125.8	0.00	0.24	0.97	0	7	1	99	0.00	0.0	1.094	0.000	0	0	0	2
PD.26-B	PD.26-A	A	Closed	7.55Y	125.8	0.00	0.24	0.97	0	7	1	99	0.00	0.0	1.094	0.000	0	0	0	2
PL.18348	PD.26-B	A	4ACSR	7.55Y	125.8	0.00	0.25	0.97	1	7	1	99	0.00	0.0	1.173	0.079	0	0	0	2
PL.5041	PL.18348	A	4ACSR	7.54Y	125.7	0.00	0.25	0.97	1	7	1	99	0.00	0.0	1.235	0.061	0	0	0	2
084618	PL.5041	A	Consumer	7.54Y	125.7	0.00	0.25	0.00	0	0	0	100	0.00	0.0	1.235	0.000	0	0	0	0
084622	PL.5041	A	Consumer	7.54Y	125.7	0.00	0.25	0.62	0	5	1	98	0.00	0.0	1.235	0.000	5	1	1	1
084620	PL.5041	A	Consumer	7.54Y	125.7	0.00	0.25	0.35	0	3	0	100	0.00	0.0	1.235	0.000	3	0	1	1
PL.20590	PL.14390	A	4ACSR	7.55Y	125.8	0.00	0.24	1.16	1	9	2	98	0.00	0.0	1.097	0.016	0	0	0	3
PD.1160	PL.20590	A	fuse6AMP	7.55Y	125.8	0.00	0.24	1.16	20	9	2	98	0.00	0.0	1.097	0.000	0	0	0	3
PL.20589	PD.1160	A	4ACSR	7.54Y	125.7	0.01	0.26	1.16	1	9	2	98	0.00	0.0	1.370	0.273	0	0	0	3
PL.19072	PL.20589	A	4ACSR	7.54Y	125.7	0.00	0.26	1.16	1	9	2	98	0.00	0.0	1.416	0.046	0	0	0	3
PL.19071	PL.19072	A	4ACSR	7.54Y	125.7	0.00	0.26	0.47	0	3	1	95	0.00	0.0	1.464	0.048	0	0	0	1
084513	PL.19071	A	Consumer	7.54Y	125.7	0.00	0.26	0.47	0	3	1	95	0.00	0.0	1.464	0.000	3	1	1	1
PL.41211	PL.19071	A	4ACSR	7.54Y	125.7	0.00	0.26	0.00	0	0	0	100	0.00	0.0	1.480	0.016	0	0	0	0
PD.7263-A	PL.41211	A	Closed	7.54Y	125.7	0.00	0.26	0.00	0	0	0	100	0.00	0.0	1.480	0.000	0	0	0	0
PD.7263-B	PD.7263-A	A	Closed	7.54Y	125.7	0.00	0.26	0.00	0	0	0	100	0.00	0.0	1.480	0.000	0	0	0	0

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

Unbalanced Voltage Drop Report
Source: HIGH ROCK

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.41210	PD.7263-B	A	4ACSR	7.54Y	125.7	0.00	0.26	0.00	0	0	0	100	0.00	0.0	1.727	0.247	0	0	0	0
PD.6884-B	PL.41210	A	Open	7.54Y	125.7	0.00	0.26	0.00	0	0	0	100	0.00	0.0	1.727	0.000	0	0	0	0
084512	PL.19072	A	Consumer	7.54Y	125.7	0.00	0.26	0.36	0	3	1	95	0.00	0.0	1.416	0.000	3	1	1	1
084555	PL.19072	A	Consumer	7.54Y	125.7	0.00	0.26	0.33	0	2	0	100	0.00	0.0	1.416	0.000	2	0	1	1
084608	PL.27687	A	Consumer	7.55Y	125.8	0.00	0.22	0.36	0	3	0	100	0.00	0.0	0.877	0.000	3	0	1	1
PL.19399	PL.27687	A	4ACSR	7.55Y	125.8	0.00	0.22	0.84	0	6	1	99	0.00	0.0	0.890	0.013	0	0	0	4
PD.1161	PL.19399	A	fuse6AMP	7.55Y	125.8	0.00	0.22	0.84	14	6	1	99	0.00	0.0	0.890	0.000	0	0	0	4
PL.19400	PD.1161	A	4ACSR	7.55Y	125.8	0.00	0.22	0.84	0	6	1	99	0.00	0.0	0.913	0.023	0	0	0	4
PL.8302	PL.19400	A	4ACSR	7.55Y	125.8	0.00	0.23	0.66	0	5	1	98	0.00	0.0	0.977	0.064	0	0	0	3
084605	PL.8302	A	Consumer	7.55Y	125.8	0.00	0.23	0.13	0	1	0	100	0.00	0.0	0.977	0.000	1	0	1	1
084604	PL.8302	A	Consumer	7.55Y	125.8	0.00	0.23	0.23	0	2	0	100	0.00	0.0	0.977	0.000	2	0	1	1
084623	PL.8302	A	Consumer	7.55Y	125.8	0.00	0.23	0.30	0	2	0	100	0.00	0.0	0.977	0.000	2	0	1	1
084603	PL.19400	A	Consumer	7.55Y	125.8	0.00	0.22	0.18	0	1	0	100	0.00	0.0	0.913	0.000	1	0	1	1
085617	PL.35562	A	Consumer	7.55Y	125.8	0.00	0.20	0.03	0	0	0	100	0.00	0.0	0.708	0.000	0	0	1	1
085603	PL.35562	A	Consumer	7.55Y	125.8	0.00	0.20	0.30	0	2	0	100	0.00	0.0	0.708	0.000	2	0	1	1
PL.35560	PL.14393	A	4ACSR	7.55Y	125.8	0.00	0.18	0.24	0	2	0	100	0.00	0.0	0.620	0.017	0	0	0	1
PD.5220	PL.35560	A	fuse6AMP	7.55Y	125.8	0.00	0.18	0.24	4	2	0	100	0.00	0.0	0.620	0.000	0	0	0	1
PL.35561	PD.5220	A	4ACSR	7.55Y	125.8	0.00	0.18	0.24	0	2	0	100	0.00	0.0	0.655	0.035	0	0	0	1
085604	PL.35561	A	Consumer	7.55Y	125.8	0.00	0.18	0.24	0	2	0	100	0.00	0.0	0.655	0.000	2	0	1	1

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

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	642	0	0	0	0	0	16	0.00	657
KVAR	123	0	0	0	0	0	11		134

	Lowest Voltage	Highest Accumulated Voltage Drop	Highest Element Voltage Drop
A-Phase	-> 120.58 volts on PL.35595	5.42 volts on PL.35595	0.41 volts on PL.25303
B-Phase	-> 126.00 volts on HIGH ROCK	0.00 volts on	0.00 volts on
C-Phase	-> 126.00 volts on HIGH ROCK	0.00 volts on	0.00 volts on

Unbalanced Voltage Drop Report
Source: HINKSTON

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
HINKSTON		A	HINKSTON	15.12Y	126.0	0.00	0.00	186.29	0	2638	987	94	0.00	0.0	0.000	0.000	0	0	0	159
		B		15.12Y	126.0	0.00	0.00	162.33	0	2249	982	92					0	0	0	121
		C		15.12Y	126.0	0.00	0.00	165.62	0	2317	951	93					0	0	0	130
PL.42351	HINKSTON	A	336ACSR	15.12Y	126.0	-0.00	-0.00	17.69	2	264	43	99	0.02	0.0	0.012	0.012	0	0	0	23
		B		15.12Y	126.0	0.00	0.00	46.35	6	696	82	99					0	0	0	107
		C		15.12Y	126.0	0.00	0.00	54.79	8	824	82	100					0	0	0	124
PL.42653	PL.42351	A	336ACSR	15.12Y	126.0	-0.00	-0.00	17.69	2	264	43	99	0.02	0.0	0.022	0.010	0	0	0	23
		B		15.12Y	126.0	0.00	0.01	46.35	6	696	82	99					0	0	0	107
		C		15.12Y	126.0	0.00	0.00	54.79	8	824	82	100					0	0	0	124
---------- Feeder No. 2 (HINKSTON2) Beginning with Device PD.8110 ----------																				
PD.8110	PL.42653	A	VWVE	15.12Y	126.0	0.00	-0.00	17.69	0	264	43	99	0.00	0.0	0.022	0.000	0	0	0	23
		B		15.12Y	126.0	0.00	0.01	46.35	0	696	82	99					0	0	0	107
		C		15.12Y	126.0	0.00	0.00	54.79	0	824	82	100					0	0	0	124
PL.42654	PD.8110	A	336ACSR	15.12Y	126.0	-0.00	-0.00	17.69	2	264	43	99	0.10	0.0	0.081	0.059	0	0	0	23
		B		15.12Y	126.0	0.02	0.02	46.35	6	696	82	99					0	0	0	107
		C		15.12Y	126.0	0.01	0.01	54.79	8	824	82	100					0	0	0	124
PL.14315	PL.42654	A	336ACSR	15.12Y	126.0	-0.00	-0.00	17.08	2	255	39	99	0.05	0.0	0.115	0.033	0	0	0	23
		B		15.12Y	126.0	0.01	0.03	45.74	6	687	78	99					0	0	0	107
		C		15.12Y	126.0	0.00	0.01	54.19	7	816	77	100					0	0	0	124
433573	PL.14315	A	Consumer	15.12Y	126.0	0.00	-0.00	0.01	0	0	0	100	0.00	0.0	0.115	0.000	0	0	0	0
		B		15.12Y	126.0	0.00	0.03	0.01	0	0	0	90					0	0	0	0
		C		15.12Y	126.0	0.00	0.01	0.01	0	0	0	90					0	0	0	0
PL.14314	PL.14315	A	336ACSR	15.12Y	126.0	-0.00	-0.00	17.07	2	255	39	99	0.17	0.0	0.222	0.108	0	0	0	23
		B		15.11Y	125.9	0.03	0.06	45.73	6	687	78	99					0	0	0	107
		C		15.12Y	126.0	0.01	0.02	54.18	7	816	77	100					0	0	0	124
PL.14312	PL.14314	A	1/0ACSR	15.12Y	126.0	0.00	-0.00	17.07	5	255	39	99	0.00	0.0	0.222	0.000	0	0	0	23
		B		15.11Y	125.9	0.00	0.06	45.73	14	687	78	99					0	0	0	107
		C		15.12Y	126.0	0.00	0.02	54.18	16	815	77	100					0	0	0	124
PL.42563	PL.14312	A	336ACSR	15.12Y	126.0	0.00	-0.00	0.00	0	0	0	100	0.00	0.0	0.227	0.004	0	0	0	0
		B		15.11Y	125.9	0.00	0.06	0.00	0	0	0	100					0	0	0	0
		C		15.12Y	126.0	0.00	0.02	0.00	0	0	0	100					0	0	0	0
PD.331-A	PL.42563	A	Open	15.12Y	126.0	0.00	-0.00	0.00	0	0	0	100	0.00	0.0	0.227	0.000	0	0	0	0
		B		15.11Y	125.9	0.00	0.06	0.00	0	0	0	100					0	0	0	0
		C		15.12Y	126.0	0.00	0.02	0.00	0	0	0	100					0	0	0	0
PL.95	PL.14312	A	1/0ACSR	15.12Y	126.0	0.00	0.00	17.07	5	255	39	99	0.70	0.0	0.368	0.146	0	0	0	23
		B		15.10Y	125.9	0.08	0.13	45.73	14	687	78	99					0	0	0	107
		C		15.11Y	125.9	0.05	0.08	54.18	16	815	77	100					0	0	0	124
PL.13672	PL.95	A	1/0ACSR	15.12Y	126.0	-0.00	-0.00	16.99	5	254	39	99	0.26	0.0	0.446	0.078	0	0	0	22
		B		15.10Y	125.8	0.02	0.15	20.38	6	303	52	99					0	0	0	27
		C		15.11Y	125.9	0.04	0.11	53.53	16	805	76	100					0	0	0	122
PL.13677	PL.13672	A	1/0ACSR	15.12Y	126.0	-0.00	-0.00	15.08	5	225	38	99	0.02	0.0	0.454	0.007	0	0	0	20
		B		15.10Y	125.8	0.00	0.16	20.38	6	303	52	99					0	0	0	27
		C		15.11Y	125.9	0.00	0.12	52.37	16	788	72	100					0	0	0	119
PL.44155	PL.13677	A	1/0ACSR	15.12Y	126.0	-0.01	-0.01	15.08	5	225	38	99	0.59	0.0	0.640	0.186	0	0	0	20
		B		15.10Y	125.8	0.05	0.21	20.38	6	303	52	99					0	0	0	27
		C		15.10Y	125.8	0.09	0.20	52.37	16	788	72	100					0	0	0	119
PL.45795	PL.44155	A	1/0ACSR	15.12Y	126.0	-0.00	-0.01	15.08	5	225	38	99	0.19	0.0	0.698	0.058	0	0	0	20
		B		15.09Y	125.8	0.02	0.22	20.38	6	303	52	99					0	0	0	27
		C		15.09Y	125.8	0.03	0.23	52.37	16	787	71	100					0	0	0	119
PL.45794	PL.45795	A	2ACSR	15.12Y	126.0	0.00	-0.01	0.00	0	0	0	100	0.00	0.0	0.760	0.062	0	0	0	0
4335148	PL.45794	A	Consumer	15.12Y	126.0	0.00	-0.01	0.00	0	0	0	100	0.00	0.0	0.760	0.000	0	0	0	0
PL.45796	PL.45795	A	1/0ACSR	15.12Y	126.0	-0.00	-0.01	15.08	5	225	38	99	0.04	0.0	0.710	0.012	0	0	0	20
		B		15.09Y	125.8	0.00	0.23	20.38	6	303	52	99					0	0	0	27
		C		15.09Y	125.8	0.01	0.23	52.37	16	787	71	100					0	0	0	119

Unbalanced Voltage Drop Report
Source: HINKSTON

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.28055	PL.45796	A	1/0ACSR	15.12Y	126.0	-0.00	-0.01	15.08	5	225	38	99	0.01	0.0	0.713	0.003	0	0	0	20
		B		15.09Y	125.8	0.00	0.23	20.38	6	303	52	99					0	0	0	27
		C		15.09Y	125.8	0.00	0.24	52.37	16	787	71	100					0	0	0	119
PL.44153	PL.28055	A	1/0ACSR	15.12Y	126.0	-0.00	-0.01	15.08	5	225	38	99	0.06	0.0	0.731	0.019	0	0	0	20
		B		15.09Y	125.8	0.01	0.23	20.38	6	303	52	99					0	0	0	27
		C		15.09Y	125.8	0.01	0.24	52.37	16	787	71	100					0	0	0	119
PL.44154	PL.44153	A	1/0ACSR	15.12Y	126.0	-0.00	-0.01	15.08	5	225	38	99	0.09	0.0	0.760	0.029	0	0	0	20
		B		15.09Y	125.8	0.01	0.24	20.20	6	301	51	99					0	0	0	26
		C		15.09Y	125.7	0.01	0.26	52.37	16	787	71	100					0	0	0	119
PL.6689	PL.44154	A	1/0ACSR	15.12Y	126.0	-0.00	-0.01	15.08	5	225	38	99	0.05	0.0	0.775	0.015	0	0	0	20
		B		15.09Y	125.8	0.00	0.25	20.20	6	301	51	99					0	0	0	26
		C		15.09Y	125.7	0.01	0.26	52.37	16	787	71	100					0	0	0	119
PL.14460	PL.6689	A	1/0ACSR	15.12Y	126.0	-0.01	-0.02	15.08	5	225	38	99	0.39	0.0	0.897	0.122	0	0	0	20
		B		15.09Y	125.7	0.03	0.28	20.20	6	301	51	99					0	0	0	26
		C		15.08Y	125.7	0.06	0.32	52.37	16	787	71	100					0	0	0	119
PL.14461	PL.14460	A	1/0ACSR	15.12Y	126.0	-0.01	-0.02	15.08	5	225	38	99	0.39	0.0	1.019	0.122	0	0	0	20
		B		15.08Y	125.7	0.03	0.31	19.95	6	297	51	99					0	0	0	25
		C		15.07Y	125.6	0.06	0.38	52.37	16	787	70	100					0	0	0	119
432521	PL.14461	B	Consumer	15.08Y	125.7	0.00	0.31	0.00	0	0	0	100	0.00	0.0	1.019	0.000	0	0	0	0
432503	PL.14461	A	Consumer	15.12Y	126.0	0.00	-0.02	0.25	0	4	0	100	0.00	0.0	1.019	0.000	4	0	1	1
PL.22341	PL.14461	A	4ACSR	15.12Y	126.0	0.00	-0.02	0.00	0	0	0	100	0.00	0.0	1.045	0.026	0	0	0	1
PD.1382	PL.22341	A	fuse6AMP	15.12Y	126.0	0.00	-0.02	0.00	0	0	0	100	0.00	0.0	1.045	0.000	0	0	0	1
PL.22342	PD.1382	A	4ACSR	15.12Y	126.0	0.00	-0.02	0.00	0	0	0	100	0.00	0.0	1.242	0.198	0	0	0	1
432513	PL.22342	A	Consumer	15.12Y	126.0	0.00	-0.02	0.00	0	0	0	100	0.00	0.0	1.242	0.000	0	0	1	1
PL.24710	PL.14461	A	336ACSR	15.13Y	126.1	-0.03	-0.05	14.83	2	221	37	99	0.39	0.0	1.382	0.363	0	0	0	18
		B		15.08Y	125.6	0.06	0.37	19.95	3	297	51	99					0	0	0	25
		C		15.07Y	125.6	0.06	0.44	52.37	7	786	70	100					0	0	0	119
PL.14455	PL.24710	A	1/0ACSR	15.13Y	126.1	0.00	-0.05	14.83	4	221	37	99	0.00	0.0	1.382	0.000	0	0	0	18
		B		15.08Y	125.6	0.00	0.37	19.95	6	296	51	99					0	0	0	25
		C		15.07Y	125.6	0.00	0.44	52.37	16	786	69	100					0	0	0	119
PL.20332	PL.14455	B	4ACSR	15.08Y	125.6	0.00	0.37	7.80	4	117	16	99	0.00	0.0	1.390	0.009	0	0	0	12
PD.2646	PL.20332	B	25E	15.08Y	125.6	0.00	0.37	7.80	31	117	16	99	0.00	0.0	1.390	0.000	0	0	0	12
PL.20333	PD.2646	B	4ACSR	15.07Y	125.6	0.01	0.38	7.80	4	117	16	99	0.01	0.0	1.436	0.046	0	0	0	12
PL.27556	PL.20333	B	4ACSR	15.07Y	125.6	0.01	0.39	7.35	4	110	15	99	0.01	0.0	1.481	0.045	0	0	0	10
PL.27555	PL.27556	B	4ACSR	15.07Y	125.6	0.01	0.40	7.34	4	110	15	99	0.01	0.0	1.555	0.074	0	0	0	9
PL.14457	PL.27555	B	4ACSR	15.05Y	125.4	0.19	0.58	7.34	4	110	15	99	0.15	0.1	2.738	1.183	0	0	0	9
PL.18383	PL.14457	B	4ACSR	15.05Y	125.4	0.00	0.58	6.02	3	90	6	100	0.00	0.0	2.744	0.006	0	0	0	7
PD.327-A	PL.18383	B	Closed	15.05Y	125.4	0.00	0.58	6.02	0	90	6	100	0.00	0.0	2.744	0.000	0	0	0	7
PD.327-B	PD.327-A	B	Closed	15.05Y	125.4	0.00	0.58	6.02	0	90	6	100	0.00	0.0	2.744	0.000	0	0	0	7
PL.18384	PD.327-B	B	4ACSR	15.05Y	125.4	0.03	0.61	6.02	3	90	6	100	0.02	0.0	2.971	0.227	0	0	0	7
PL.20963	PL.18384	B	4ACSR	15.05Y	125.4	0.00	0.61	0.00	0	0	0	100	0.00	0.0	3.046	0.075	0	0	0	0
432402	PL.20963	B	Consumer	15.05Y	125.4	0.00	0.61	0.00	0	0	0	100	0.00	0.0	3.046	0.000	0	0	0	0
PL.14458	PL.18384	B	4ACSR	15.04Y	125.4	0.01	0.63	6.02	3	90	6	100	0.01	0.0	3.087	0.116	0	0	0	7
PL.20960	PL.14458	B	4ACSR	15.04Y	125.4	0.01	0.64	5.89	3	88	6	100	0.01	0.0	3.165	0.078	0	0	0	6
PL.23159	PL.20960	B	4ACSR	15.04Y	125.4	0.00	0.64	1.31	1	20	1	100	0.00	0.0	3.200	0.036	0	0	0	2
432411	PL.23159	B	Consumer	15.04Y	125.4	0.00	0.64	0.76	0	11	1	100	0.00	0.0	3.200	0.000	11	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: HINKSTON

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.23160	PL.23159	B	4ACSR	15.04Y	125.4	0.00	0.64	0.55	0	8	1	99	0.00	0.0	3.247	0.047	0	0	0	1
432408	PL.23160	B	Consumer	15.04Y	125.4	0.00	0.64	0.55	0	8	1	99	0.00	0.0	3.247	0.000	8	1	1	1
PL.20961	PL.20960	B	4ACSR	15.04Y	125.4	0.00	0.64	4.58	2	69	5	100	0.00	0.0	3.216	0.052	0	0	0	4
432406	PL.20961	B	Consumer	15.04Y	125.4	0.00	0.64	2.01	0	30	2	100	0.00	0.0	3.216	0.000	30	2	1	1
PL.20962	PL.20961	B	4ACSR	15.04Y	125.4	0.00	0.64	2.57	1	39	3	100	0.00	0.0	3.273	0.057	0	0	0	3
432407	PL.20962	B	Consumer	15.04Y	125.4	0.00	0.64	0.95	0	14	1	100	0.00	0.0	3.273	0.000	14	1	1	1
PL.23157	PL.20962	B	4ACSR	15.04Y	125.4	0.00	0.65	1.62	1	24	2	100	0.00	0.0	3.339	0.066	0	0	0	2
PL.23158	PL.23157	B	4ACSR	15.04Y	125.4	0.00	0.65	0.79	0	12	1	100	0.00	0.0	3.402	0.063	0	0	0	1
432410	PL.23158	B	Consumer	15.04Y	125.4	0.00	0.65	0.79	0	12	1	100	0.00	0.0	3.402	0.000	12	1	1	1
432409	PL.23157	B	Consumer	15.04Y	125.4	0.00	0.65	0.83	0	12	1	100	0.00	0.0	3.339	0.000	12	1	1	1
PL.14459	PL.14458	B	4ACSR	15.04Y	125.4	0.00	0.63	0.12	0	2	0	100	0.00	0.0	3.270	0.183	0	0	0	1
PL.24781	PL.14459	B	4ACSR	15.04Y	125.4	0.00	0.63	0.00	0	0	0	100	0.00	0.0	3.343	0.073	0	0	0	0
432404	PL.24781	B	Consumer	15.04Y	125.4	0.00	0.63	0.00	0	0	0	100	0.00	0.0	3.343	0.000	0	0	0	0
432403	PL.14459	B	Consumer	15.04Y	125.4	0.00	0.63	0.12	0	2	0	100	0.00	0.0	3.270	0.000	2	0	1	1
PL.2526	PL.14457	B	4ACSR	15.05Y	125.4	0.00	0.58	1.41	1	19	9	90	0.00	0.0	2.782	0.044	0	0	0	2
432401	PL.2526	B	Consumer	15.05Y	125.4	0.00	0.58	0.00	0	0	0	100	0.00	0.0	2.782	0.000	0	0	0	0
432405	PL.2526	B	Consumer	15.05Y	125.4	0.00	0.58	0.06	0	1	0	100	0.00	0.0	2.782	0.000	1	0	1	1
432412	PL.2526	B	Consumer	15.05Y	125.4	0.00	0.58	1.35	0	18	9	89	0.00	0.0	2.782	0.000	18	9	1	1
432502	PL.27555	B	Consumer	15.07Y	125.6	0.00	0.40	0.00	0	0	0	100	0.00	0.0	1.555	0.000	0	0	0	0
432523	PL.27556	B	Consumer	15.07Y	125.6	0.00	0.39	0.00	0	0	0	100	0.00	0.0	1.481	0.000	0	0	1	1
432507	PL.20333	B	Consumer	15.07Y	125.6	0.00	0.38	0.17	0	3	0	100	0.00	0.0	1.436	0.000	3	0	1	1
432522	PL.20333	B	Consumer	15.07Y	125.6	0.00	0.38	0.29	0	4	0	100	0.00	0.0	1.436	0.000	4	0	1	1
PL.14456	PL.14455	A	336ACSR	15.13Y	126.1	-0.01	-0.06	14.83	2	221	37	99	0.13	0.0	1.504	0.122	0	0	0	18
		B		15.07Y	125.6	0.01	0.38	12.16	2	180	35	98					0	0	0	13
		C		15.06Y	125.5	0.02	0.46	52.37	7	786	69	100					0	0	0	119
PL.18799	PL.14456	A	336ACSR	15.13Y	126.1	-0.00	-0.06	14.83	2	221	37	99	0.02	0.0	1.524	0.020	0	0	0	18
		B		15.07Y	125.6	0.00	0.39	12.16	2	180	35	98					0	0	0	13
		C		15.06Y	125.5	0.00	0.47	52.37	7	786	69	100					0	0	0	119
PD.325-A	PL.18799	A	Closed	15.13Y	126.1	0.00	-0.06	14.83	0	221	37	99	0.00	0.0	1.524	0.000	0	0	0	18
		B		15.07Y	125.6	0.00	0.39	12.16	0	180	35	98					0	0	0	13
		C		15.06Y	125.5	0.00	0.47	52.37	0	786	69	100					0	0	0	119
PD.325-B	PD.325-A	A	Closed	15.13Y	126.1	0.00	-0.06	14.83	0	221	37	99	0.00	0.0	1.524	0.000	0	0	0	18
		B		15.07Y	125.6	0.00	0.39	12.16	0	180	35	98					0	0	0	13
		C		15.06Y	125.5	0.00	0.47	52.37	0	786	69	100					0	0	0	119
PL.18800	PD.325-B	A	336ACSR	15.13Y	126.1	-0.00	-0.07	14.83	2	221	37	99	0.02	0.0	1.545	0.021	0	0	0	18
		B		15.07Y	125.6	0.00	0.39	12.16	2	180	35	98					0	0	0	13
		C		15.06Y	125.5	0.00	0.47	52.37	7	786	69	100					0	0	0	119
PL.27557	PL.18800	A	4ACSR	15.13Y	126.1	0.00	-0.07	0.21	0	3	0	100	0.00	0.0	1.554	0.009	0	0	0	1
PD.1381	PL.27557	A	fuse6AMP	15.13Y	126.1	0.00	-0.07	0.21	4	3	0	100	0.00	0.0	1.554	0.000	0	0	0	1
PL.27558	PD.1381	A	4ACSR	15.13Y	126.1	0.00	-0.07	0.21	0	3	0	100	0.00	0.0	1.669	0.116	0	0	0	1
432517	PL.27558	A	Consumer	15.13Y	126.1	0.00	-0.07	0.21	0	3	0	100	0.00	0.0	1.669	0.000	3	0	1	1
PL.27564	PL.18800	C	4ACSR	15.06Y	125.5	0.00	0.47	0.70	0	11	1	100	0.00	0.0	1.551	0.006	0	0	0	1
PD.1386	PL.27564	C	fuse30AMP	15.06Y	125.5	0.00	0.47	0.70	2	11	1	100	0.00	0.0	1.551	0.000	0	0	0	1

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

Unbalanced Voltage Drop Report
Source: HINKSTON

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.27563	PD.1386	C	4ACSR	15.06Y	125.5	0.00	0.47	0.70	0	11	1	100	0.00	0.0	1.572	0.021	0	0	0	1
432506	PL.27563	C	Consumer	15.06Y	125.5	0.00	0.47	0.00	0	0	0	100	0.00	0.0	1.572	0.000	0	0	0	0
432519	PL.27563	C	Consumer	15.06Y	125.5	0.00	0.47	0.70	0	11	1	100	0.00	0.0	1.572	0.000	11	1	1	1
PL.39781	PL.18800	A	336ACSR	15.13Y	126.1	-0.02	-0.08	14.62	2	218	37	99	0.20	0.0	1.739	0.195	0	0	0	17
		B		15.07Y	125.6	0.02	0.41	12.16	2	180	35	98					0	0	0	13
		C		15.06Y	125.5	0.04	0.51	51.66	7	775	68	100					0	0	0	118
PL.43471	PL.39781	A	336ACSR	15.13Y	126.1	-0.00	-0.09	6.52	1	98	6	100	0.03	0.0	1.774	0.035	0	0	0	16
		B		15.07Y	125.6	0.00	0.41	4.00	1	60	4	100					0	0	0	12
		C		15.06Y	125.5	0.01	0.52	43.59	6	655	36	100					0	0	0	117
PD.8267-A	PL.43471	A	Closed	15.13Y	126.1	0.00	-0.09	6.52	0	98	6	100	0.00	0.0	1.774	0.000	0	0	0	16
		B		15.07Y	125.6	0.00	0.41	4.00	0	60	4	100					0	0	0	12
		C		15.06Y	125.5	0.00	0.52	43.59	0	655	36	100					0	0	0	117
PD.8267-B	PD.8267-A	A	Closed	15.13Y	126.1	0.00	-0.09	6.52	0	98	6	100	0.00	0.0	1.774	0.000	0	0	0	16
		B		15.07Y	125.6	0.00	0.41	4.00	0	60	4	100					0	0	0	12
		C		15.06Y	125.5	0.00	0.52	43.59	0	655	36	100					0	0	0	117
PL.43472	PD.8267-B	A	336ACSR	15.13Y	126.1	-0.01	-0.10	6.52	1	98	6	100	0.07	0.0	1.878	0.104	0	0	0	16
		B		15.07Y	125.6	0.01	0.42	4.00	1	60	4	100					0	0	0	12
		C		15.06Y	125.5	0.02	0.53	43.59	6	655	36	100					0	0	0	117
PL.28394	PL.43472	A	4ACSR	15.13Y	126.1	0.00	-0.10	1.36	1	21	1	100	0.00	0.0	1.994	0.116	0	0	0	2
PL.20958	PL.28394	A	4ACSR	15.13Y	126.1	0.00	-0.09	1.32	1	20	1	100	0.00	0.0	2.140	0.146	0	0	0	1
431518	PL.20958	A	Consumer	15.13Y	126.1	0.00	-0.09	1.32	0	20	1	100	0.00	0.0	2.140	0.000	20	1	1	1
PL.28395	PL.28394	A	4ACSR	15.13Y	126.1	0.00	-0.10	0.04	0	1	0	100	0.00	0.0	2.017	0.023	0	0	0	1
431526	PL.28395	A	Consumer	15.13Y	126.1	0.00	-0.10	0.00	0	0	0	100	0.00	0.0	2.017	0.000	0	0	0	0
431514	PL.28395	A	Consumer	15.13Y	126.1	0.00	-0.10	0.04	0	1	0	100	0.00	0.0	2.017	0.000	1	0	1	1
PL.21052	PL.43472	A	4ACSR	15.13Y	126.1	0.00	-0.10	0.48	0	7	0	100	0.00	0.0	1.902	0.024	0	0	0	1
PD.1380	PL.21052	A	fuse6AMP	15.13Y	126.1	0.00	-0.10	0.48	8	7	0	100	0.00	0.0	1.902	0.000	0	0	0	1
PL.21053	PD.1380	A	4ACSR	15.13Y	126.1	0.00	-0.10	0.48	0	7	0	100	0.00	0.0	1.966	0.064	0	0	0	1
431510	PL.21053	A	Consumer	15.13Y	126.1	0.00	-0.10	0.48	0	7	0	100	0.00	0.0	1.966	0.000	7	0	1	1
PL.18656	PL.43472	A	1/0ACSR	15.14Y	126.1	-0.03	-0.13	4.67	1	71	4	100	0.39	0.1	2.074	0.196	0	0	0	13
		B		15.07Y	125.6	0.03	0.45	4.00	1	60	4	100					0	0	0	12
		C		15.05Y	125.4	0.08	0.61	43.59	13	655	36	100					0	0	0	117
PD.324-A	PL.18656	A	Closed	15.14Y	126.1	0.00	-0.13	4.67	0	71	4	100	0.00	0.0	2.074	0.000	0	0	0	13
		B		15.07Y	125.6	0.00	0.45	4.00	0	60	4	100					0	0	0	12
		C		15.05Y	125.4	0.00	0.61	43.59	0	655	35	100					0	0	0	117
PD.324-B	PD.324-A	A	Closed	15.14Y	126.1	0.00	-0.13	4.67	0	71	4	100	0.00	0.0	2.074	0.000	0	0	0	13
		B		15.07Y	125.6	0.00	0.45	4.00	0	60	4	100					0	0	0	12
		C		15.05Y	125.4	0.00	0.61	43.59	0	655	35	100					0	0	0	117
PL.18657	PD.324-B	A	1/0ACSR	15.14Y	126.1	-0.01	-0.14	4.67	1	71	4	100	0.17	0.0	2.160	0.086	0	0	0	13
		B		15.06Y	125.5	0.01	0.46	4.00	1	60	4	100					0	0	0	12
		C		15.04Y	125.4	0.04	0.65	43.59	13	655	35	100					0	0	0	117
PL.21054	PL.18657	C	4ACSR	15.04Y	125.4	0.00	0.65	0.10	0	2	0	100	0.00	0.0	2.182	0.022	0	0	0	1
PD.1383	PL.21054	C	fuse6AMP	15.04Y	125.4	0.00	0.65	0.10	2	2	0	100	0.00	0.0	2.182	0.000	0	0	0	1
PL.22038	PD.1383	C	4ACSR	15.04Y	125.4	0.00	0.65	0.10	0	2	0	100	0.00	0.0	2.315	0.133	0	0	0	1
431502	PL.22038	C	Consumer	15.04Y	125.4	0.00	0.65	0.10	0	2	0	100	0.00	0.0	2.315	0.000	2	0	1	1
PL.18658	PL.18657	A	1/0ACSR	15.14Y	126.2	-0.01	-0.15	4.67	1	71	4	100	0.15	0.0	2.233	0.073	0	0	0	13
		B		15.06Y	125.5	0.01	0.47	4.00	1	60	4	100					0	0	0	12
		C		15.04Y	125.3	0.03	0.68	43.49	13	653	35	100					0	0	0	116
431504	PL.18658	B	Consumer	15.06Y	125.5	0.00	0.47	0.00	0	0	0	100	0.00	0.0	2.233	0.000	0	0	0	0

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

Unbalanced Voltage Drop Report
Source: HINKSTON

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.18659	PL.18658	A	1/0ACSR	15.14Y	126.2	-0.02	-0.18	4.67	1	71	4	100	0.30	0.0	2.383	0.150	0	0	0	13
		B		15.06Y	125.5	0.02	0.49	4.00	1	60	4	100					0	0	0	12
		C		15.03Y	125.3	0.06	0.74	43.49	13	653	35	100					0	0	0	116
PL.18343	PL.18659	C	4ACSR	15.03Y	125.3	0.00	0.74	3.31	2	50	3	100	0.00	0.0	2.405	0.021	0	0	0	10
PD.326-A	PL.18343	C	Closed	15.03Y	125.3	0.00	0.74	3.31	0	50	3	100	0.00	0.0	2.405	0.000	0	0	0	10
PD.326-B	PD.326-A	C	Closed	15.03Y	125.3	0.00	0.74	3.31	0	50	3	100	0.00	0.0	2.405	0.000	0	0	0	10
PL.18344	PD.326-B	C	4ACSR	15.03Y	125.2	0.01	0.76	3.31	2	50	3	100	0.01	0.0	2.599	0.195	0	0	0	10
PL.22039	PL.18344	C	4ACSR	15.03Y	125.2	0.00	0.76	1.37	1	21	1	100	0.00	0.0	2.616	0.016	0	0	0	3
PD.1387	PL.22039	C	fuse6AMP	15.03Y	125.2	0.00	0.76	1.37	23	21	1	100	0.00	0.0	2.616	0.000	0	0	0	3
PL.22040	PD.1387	C	4ACSR	15.03Y	125.2	0.00	0.76	1.37	1	21	1	100	0.00	0.0	2.721	0.105	0	0	0	3
PL.20966	PL.22040	C	4ACSR	15.03Y	125.2	0.00	0.76	1.06	1	16	1	100	0.00	0.0	2.832	0.111	0	0	0	2
PL.20967	PL.20966	C	4ACSR	15.03Y	125.2	0.00	0.76	1.06	1	16	1	100	0.00	0.0	2.899	0.067	0	0	0	2
431517	PL.20967	C	Consumer	15.03Y	125.2	0.00	0.76	0.46	0	7	0	100	0.00	0.0	2.899	0.000	7	0	1	1
431523	PL.20967	C	Consumer	15.03Y	125.2	0.00	0.76	0.60	0	9	1	99	0.00	0.0	2.899	0.000	9	1	1	1
431503	PL.22040	C	Consumer	15.03Y	125.2	0.00	0.76	0.32	0	5	0	100	0.00	0.0	2.721	0.000	5	0	1	1
PL.14468	PL.18344	C	4ACSR	15.03Y	125.2	0.00	0.76	1.93	1	29	2	100	0.00	0.0	2.666	0.067	0	0	0	7
PL.27559	PL.14468	C	4ACSR	15.03Y	125.2	0.00	0.76	1.93	1	29	2	100	0.00	0.0	2.674	0.008	0	0	0	7
PD.1384	PL.27559	C	fuse6AMP	15.03Y	125.2	0.00	0.76	1.93	33	29	2	100	0.00	0.0	2.674	0.000	0	0	0	7
PL.27560	PD.1384	C	4ACSR	15.03Y	125.2	0.01	0.77	1.93	1	29	2	100	0.00	0.0	2.894	0.220	0	0	0	7
PL.24782	PL.27560	C	4ACSR	15.03Y	125.2	0.00	0.77	1.56	1	23	2	100	0.00	0.0	2.980	0.087	0	0	0	6
PL.24783	PL.24782	C	4ACSR	15.03Y	125.2	0.02	0.79	1.55	1	23	2	100	0.00	0.0	3.537	0.556	0	0	0	5
431403	PL.24783	C	Consumer	15.03Y	125.2	0.00	0.79	0.01	0	0	0	100	0.00	0.0	3.537	0.000	0	0	1	1
431406	PL.24783	C	Consumer	15.03Y	125.2	0.00	0.79	0.05	0	1	0	100	0.00	0.0	3.537	0.000	1	0	1	1
PL.14463	PL.24783	C	4ACSR	15.03Y	125.2	0.00	0.79	1.48	1	22	1	100	0.00	0.0	3.625	0.088	0	0	0	3
431405	PL.14463	C	Consumer	15.03Y	125.2	0.00	0.79	0.83	0	12	1	100	0.00	0.0	3.625	0.000	12	1	1	1
PL.14464	PL.14463	C	4ACSR	15.02Y	125.2	0.00	0.79	0.65	0	10	1	100	0.00	0.0	3.717	0.093	0	0	0	2
431404	PL.14464	C	Consumer	15.02Y	125.2	0.00	0.79	0.00	0	0	0	100	0.00	0.0	3.717	0.000	0	0	1	1
431401	PL.14464	C	Consumer	15.02Y	125.2	0.00	0.79	0.65	0	10	1	100	0.00	0.0	3.717	0.000	10	1	1	1
431519	PL.24782	C	Consumer	15.03Y	125.2	0.00	0.77	0.01	0	0	0	100	0.00	0.0	2.980	0.000	0	0	1	1
431501	PL.27560	C	Consumer	15.03Y	125.2	0.00	0.77	0.37	0	6	0	100	0.00	0.0	2.894	0.000	6	0	1	1
PL.14465	PL.18659	A	1/0ACSR	15.14Y	126.2	-0.03	-0.20	3.84	1	58	3	100	0.31	0.0	2.562	0.179	0	0	0	11
		B		15.06Y	125.5	0.02	0.51	4.00	1	60	4	100					0	0	0	12
		C		15.02Y	125.2	0.07	0.81	40.18	12	603	31	100					0	0	0	106
PL.14466	PL.14465	A	1/0ACSR	15.15Y	126.2	-0.01	-0.21	3.84	1	58	3	100	0.14	0.0	2.647	0.085	0	0	0	11
		B		15.06Y	125.5	0.01	0.52	4.00	1	60	4	100					0	0	0	12
		C		15.02Y	125.2	0.03	0.84	38.94	12	584	30	100					0	0	0	104
PL.21048	PL.14466	A	4ACSR	15.15Y	126.2	0.00	-0.21	0.96	0	15	1	100	0.00	0.0	2.658	0.010	0	0	0	3
PD.1378	PL.21048	A	fuse6AMP	15.15Y	126.2	0.00	-0.21	0.96	16	15	1	100	0.00	0.0	2.658	0.000	0	0	0	3
PL.21049	PD.1378	A	4ACSR	15.15Y	126.2	0.00	-0.21	0.96	0	15	1	100	0.00	0.0	2.676	0.018	0	0	0	3
PL.20965	PL.21049	A	4ACSR	15.15Y	126.2	0.00	-0.21	0.96	0	15	1	100	0.00	0.0	2.721	0.045	0	0	0	3
PL.20964	PL.20965	A	4ACSR	15.15Y	126.2	0.00	-0.21	0.00	0	0	0	100	0.00	0.0	2.721	0.000	0	0	0	0

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

Unbalanced Voltage Drop Report
Source: HINKSTON

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.23146	PL.20965	A	4ACSR	15.15Y	126.2	0.00	-0.21	0.96	0	15	1	100	0.00	0.0	2.745	0.025	0	0	0	3
431613	PL.23146	A	Consumer	15.15Y	126.2	0.00	-0.21	0.00	0	0	0	100	0.00	0.0	2.745	0.000	0	0	1	1
431615	PL.23146	A	Consumer	15.15Y	126.2	0.00	-0.21	0.20	0	3	0	100	0.00	0.0	2.745	0.000	3	0	1	1
PL.23147	PL.23146	A	4ACSR	15.15Y	126.2	0.00	-0.21	0.76	0	12	1	100	0.00	0.0	2.785	0.040	0	0	0	1
431610	PL.23147	A	Consumer	15.15Y	126.2	0.00	-0.21	0.76	0	12	1	100	0.00	0.0	2.785	0.000	12	1	1	1
PL.14467	PL.14466	A	1/0ACSR	15.15Y	126.2	-0.01	-0.22	2.87	1	43	2	100	0.07	0.0	2.689	0.042	0	0	0	8
		B		15.06Y	125.5	0.01	0.53	4.00	1	60	4	100					0	0	0	12
		C		15.02Y	125.1	0.02	0.85	38.94	12	584	29	100					0	0	0	104
PL.21039	PL.14467	A	4ACSR	15.15Y	126.2	0.00	-0.22	0.74	0	11	1	100	0.00	0.0	2.705	0.017	0	0	0	1
PD.1356	PL.21039	A	fuse6AMP	15.15Y	126.2	0.00	-0.22	0.74	13	11	1	100	0.00	0.0	2.705	0.000	0	0	0	1
PL.21040	PD.1356	A	4ACSR	15.15Y	126.2	0.00	-0.22	0.74	0	11	1	100	0.00	0.0	2.766	0.061	0	0	0	1
431612	PL.21040	A	Consumer	15.15Y	126.2	0.00	-0.22	0.74	0	11	1	100	0.00	0.0	2.766	0.000	11	1	1	1
PL.6492	PL.14467	A	1/0ACSR	15.15Y	126.2	-0.01	-0.23	2.14	1	32	1	100	0.07	0.0	2.734	0.045	0	0	0	7
		B		15.06Y	125.5	0.01	0.53	4.00	1	60	4	100					0	0	0	12
		C		15.02Y	125.1	0.02	0.87	38.94	12	584	29	100					0	0	0	104
431611	PL.6492	B	Consumer	15.06Y	125.5	0.00	0.53	0.42	0	6	0	100	0.00	0.0	2.734	0.000	6	0	1	1
PL.14469	PL.6492	A	1/0ACSR	15.15Y	126.2	-0.01	-0.23	2.14	1	32	1	100	0.07	0.0	2.778	0.044	0	0	0	7
		B		15.06Y	125.5	0.01	0.54	3.58	1	54	4	100					0	0	0	11
		C		15.01Y	125.1	0.02	0.89	38.94	12	584	29	100					0	0	0	104
PL.21041	PL.14469	B	4ACSR	15.06Y	125.5	0.00	0.54	1.42	1	21	1	100	0.00	0.0	2.798	0.020	0	0	0	6
PD.1357	PL.21041	B	fuse6AMP	15.06Y	125.5	0.00	0.54	1.42	24	21	1	100	0.00	0.0	2.798	0.000	0	0	0	6
PL.21042	PD.1357	B	4ACSR	15.05Y	125.5	0.00	0.54	1.42	1	21	1	100	0.00	0.0	2.848	0.050	0	0	0	6
431604	PL.21042	B	Consumer	15.05Y	125.5	0.00	0.54	0.68	0	10	1	100	0.00	0.0	2.848	0.000	10	1	1	1
PL.24883	PL.21042	B	4ACSR	15.05Y	125.5	0.00	0.54	0.56	0	8	1	99	0.00	0.0	2.935	0.087	0	0	0	2
431607	PL.24883	B	Consumer	15.05Y	125.5	0.00	0.54	0.54	0	8	1	99	0.00	0.0	2.935	0.000	8	1	1	1
PL.24884	PL.24883	B	4ACSR	15.05Y	125.5	0.00	0.54	0.02	0	0	0	100	0.00	0.0	3.083	0.148	0	0	0	1
431609	PL.24884	B	Consumer	15.05Y	125.5	0.00	0.54	0.02	0	0	0	100	0.00	0.0	3.083	0.000	0	0	1	1
PL.28433	PL.21042	B	4ACSR	15.05Y	125.5	0.00	0.54	0.18	0	3	0	100	0.00	0.0	2.901	0.053	0	0	0	3
PL.28434	PL.28433	B	4ACSR	15.05Y	125.5	0.00	0.54	0.18	0	3	0	100	0.00	0.0	2.901	0.000	0	0	0	3
PL.28396	PL.28434	B	4ACSR	15.05Y	125.5	0.00	0.54	0.17	0	3	0	100	0.00	0.0	2.991	0.090	0	0	0	2
PL.24885	PL.28396	B	4ACSR	15.05Y	125.5	0.00	0.54	0.02	0	0	0	100	0.00	0.0	3.284	0.293	0	0	0	1
431617	PL.24885	B	Consumer	15.05Y	125.5	0.00	0.54	0.02	0	0	0	100	0.00	0.0	3.284	0.000	0	0	1	1
PL.28397	PL.28396	B	4ACSR	15.05Y	125.5	0.00	0.54	0.15	0	2	0	100	0.00	0.0	3.063	0.072	0	0	0	1
PL.2409	PL.28397	B	4ACSR	15.05Y	125.5	0.00	0.54	0.15	0	2	0	100	0.00	0.0	3.249	0.186	0	0	0	1
431524	PL.2409	B	Consumer	15.05Y	125.5	0.00	0.54	0.00	0	0	0	100	0.00	0.0	3.249	0.000	0	0	0	0
PL.1625	PL.2409	B	4ACSR	15.05Y	125.5	0.00	0.54	0.15	0	2	0	100	0.00	0.0	3.411	0.162	0	0	0	1
PL.1623	PL.1625	B	4ACSR	15.05Y	125.5	0.00	0.54	0.15	0	2	0	100	0.00	0.0	3.474	0.063	0	0	0	1
431511	PL.1623	B	Consumer	15.05Y	125.5	0.00	0.54	0.15	0	2	0	100	0.00	0.0	3.474	0.000	2	0	1	1
431616	PL.28434	B	Consumer	15.05Y	125.5	0.00	0.54	0.01	0	0	0	100	0.00	0.0	2.901	0.000	0	0	1	1
PL.14470	PL.14469	A	1/0ACSR	15.15Y	126.2	-0.01	-0.24	2.14	1	32	1	100	0.07	0.0	2.819	0.041	0	0	0	7
		B		15.05Y	125.5	0.00	0.54	2.16	1	32	2	100					0	0	0	5
		C		15.01Y	125.1	0.02	0.90	38.94	12	584	29	100					0	0	0	104

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: HINKSTON

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.19776	PL.14470	A	1/0ACSR	15.15Y	126.3	-0.02	-0.26	2.14	1	32	1	100	0.15	0.0	2.913	0.095	0	0	0	7
		B		15.05Y	125.4	0.01	0.56	1.67	1	25	2	100					0	0	0	4
		C		15.01Y	125.1	0.04	0.94	38.94	12	584	29	100					0	0	0	104
431614	PL.19776	C	Consumer	15.01Y	125.1	0.00	0.94	0.02	0	0	0	100	0.00	0.0	2.913	0.000	0	0	1	1
PL.43977	PL.19776	A	1/0ACSR	15.15Y	126.3	-0.01	-0.26	2.14	1	32	1	100	0.05	0.0	2.947	0.034	0	0	0	7
		B		15.05Y	125.4	0.00	0.56	1.67	1	25	2	100					0	0	0	4
		C		15.01Y	125.1	0.01	0.95	38.91	12	583	29	100					0	0	0	103
PL.43978	PL.43977	A	1/0ACSR	15.15Y	126.3	-0.00	-0.27	2.11	1	32	1	100	0.04	0.0	2.971	0.024	0	0	0	6
		B		15.05Y	125.4	0.00	0.56	1.67	1	25	2	100					0	0	0	4
		C		15.00Y	125.0	0.01	0.96	38.91	12	583	29	100					0	0	0	103
PL.43981	PL.43978	A	1/0ACSR	15.15Y	126.3	-0.00	-0.27	2.11	1	32	1	100	0.01	0.0	2.977	0.007	0	0	0	6
		B		15.05Y	125.4	0.00	0.56	1.67	1	25	2	100					0	0	0	4
		C		15.00Y	125.0	0.00	0.96	38.91	12	583	29	100					0	0	0	103
PL.43983	PL.43981	A	1/0ACSR	15.15Y	126.3	-0.00	-0.27	2.11	1	32	1	100	0.04	0.0	3.003	0.026	0	0	0	6
		B		15.05Y	125.4	0.00	0.57	1.67	1	25	2	100					0	0	0	4
		C		15.00Y	125.0	0.01	0.97	38.91	12	583	29	100					0	0	0	103
PL.43984	PL.43983	A	1/0ACSR	15.16Y	126.3	-0.03	-0.30	2.11	1	32	2	100	0.33	0.1	3.209	0.206	0	0	0	6
		B		15.05Y	125.4	0.02	0.59	1.67	1	25	2	100					0	0	0	4
		C		14.99Y	125.0	0.08	1.05	38.91	12	583	29	100					0	0	0	103
PL.6493	PL.43984	A	1/0ACSR	15.16Y	126.3	-0.01	-0.31	2.11	1	32	2	100	0.06	0.0	3.244	0.035	0	0	0	6
		B		15.05Y	125.4	0.00	0.59	1.67	1	25	2	100					0	0	0	4
		C		14.99Y	124.9	0.01	1.06	38.91	12	583	28	100					0	0	0	103
PL.14472	PL.6493	A	1/0ACSR	15.16Y	126.3	-0.01	-0.31	2.11	1	32	2	100	0.06	0.0	3.282	0.038	0	0	0	5
		B		15.05Y	125.4	0.00	0.60	1.67	1	25	2	100					0	0	0	4
		C		14.99Y	124.9	0.01	1.07	38.91	12	583	28	100					0	0	0	103
PL.14473	PL.14472	A	1/0ACSR	15.16Y	126.3	-0.01	-0.33	2.11	1	32	2	100	0.13	0.0	3.365	0.083	0	0	0	5
		B		15.05Y	125.4	0.01	0.60	1.67	1	25	2	100					0	0	0	4
		C		14.99Y	124.9	0.03	1.10	38.58	12	578	28	100					0	0	0	102
430601	PL.14473	B	Consumer	15.05Y	125.4	0.00	0.60	0.31	0	5	0	100	0.00	0.0	3.365	0.000	5	0	1	1
PL.19543	PL.14473	A	1/0ACSR	15.16Y	126.4	-0.03	-0.36	0.42	0	6	0	100	0.27	0.0	3.537	0.171	0	0	0	1
		B		15.05Y	125.4	0.02	0.62	1.36	0	20	1	100					0	0	0	3
		C		14.98Y	124.8	0.06	1.17	38.58	12	578	28	100					0	0	0	102
PL.19544	PL.19543	A	1/0ACSR	15.16Y	126.4	-0.01	-0.37	0.42	0	6	0	100	0.11	0.0	3.605	0.068	0	0	0	1
		B		15.04Y	125.4	0.01	0.63	0.30	0	4	0	100					0	0	0	1
		C		14.98Y	124.8	0.03	1.19	38.58	12	577	27	100					0	0	0	102
PL.8590	PL.19544	A	1/0ACSR	15.16Y	126.4	-0.00	-0.37	0.42	0	6	0	100	0.00	0.0	3.606	0.001	0	0	0	1
		B		15.04Y	125.4	0.00	0.63	0.30	0	4	0	100					0	0	0	1
		C		14.98Y	124.8	0.00	1.19	38.58	12	577	27	100					0	0	0	102
PL.6259	PL.8590	A	1/0ACSR	15.17Y	126.4	-0.01	-0.38	0.42	0	6	0	100	0.09	0.0	3.663	0.058	0	0	0	1
		B		15.04Y	125.4	0.01	0.64	0.30	0	4	0	100					0	0	0	1
		C		14.97Y	124.8	0.02	1.21	38.58	12	577	27	100					0	0	0	102
379624	PL.6259	C	Consumer	14.97Y	124.8	0.00	1.21	0.56	0	8	1	99	0.00	0.0	3.663	0.000	8	1	1	1
379608	PL.6259	C	Consumer	14.97Y	124.8	0.00	1.21	0.25	0	3	2	83	0.00	0.0	3.663	0.000	3	2	1	1
379626	PL.6259	C	Consumer	14.97Y	124.8	0.00	1.21	0.41	0	6	0	100	0.00	0.0	3.663	0.000	6	0	1	1
379614	PL.6259	A	Consumer	15.17Y	126.4	0.00	-0.38	0.00	0	0	0	100	0.00	0.0	3.663	0.000	0	0	0	0
PL.14320	PL.6259	A	1/0ACSR	15.17Y	126.4	-0.04	-0.42	0.42	0	6	0	100	0.32	0.1	3.876	0.213	0	0	0	1
		B		15.04Y	125.3	0.02	0.66	0.30	0	4	0	100					0	0	0	1
		C		14.97Y	124.7	0.08	1.29	37.37	11	559	24	100					0	0	0	99
PL.27732	PL.14320	B	4ACSR	15.04Y	125.3	0.00	0.66	0.30	0	4	0	100	0.00	0.0	3.885	0.008	0	0	0	1
PD.1121	PL.27732	B	fuse6AMP	15.04Y	125.3	0.00	0.66	0.30	5	4	0	100	0.00	0.0	3.885	0.000	0	0	0	1
PL.27733	PD.1121	B	4ACSR	15.04Y	125.3	0.00	0.66	0.30	0	4	0	100	0.00	0.0	3.921	0.036	0	0	0	1
379605	PL.27733	B	Consumer	15.04Y	125.3	0.00	0.66	0.30	0	4	0	100	0.00	0.0	3.921	0.000	4	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: HINKSTON

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.27301	PL.14320	A	1/0ACSR	15.17Y	126.4	-0.01	-0.43	0.42	0	6	0	100	0.08	0.0	3.929	0.053	0	0	0	1
		B		15.04Y	125.3	0.01	0.66	0.00	0	0	0	100					0	0	0	0
		C		14.96Y	124.7	0.02	1.31	37.37	11	559	24	100					0	0	0	99
PD.235-A	PL.27301	A	Closed	15.17Y	126.4	0.00	-0.43	0.42	0	6	0	100	0.00	0.0	3.929	0.000	0	0	0	1
		B		15.04Y	125.3	0.00	0.66	0.00	0	0	0	100					0	0	0	0
		C		14.96Y	124.7	0.00	1.31	37.37	0	559	24	100					0	0	0	99
PD.235-B	PD.235-A	A	Closed	15.17Y	126.4	0.00	-0.43	0.42	0	6	0	100	0.00	0.0	3.929	0.000	0	0	0	1
		B		15.04Y	125.3	0.00	0.66	0.00	0	0	0	100					0	0	0	0
		C		14.96Y	124.7	0.00	1.31	37.37	0	559	24	100					0	0	0	99
PL.27302	PD.235-B	A	1/0ACSR	15.17Y	126.4	-0.01	-0.44	0.42	0	6	0	100	0.09	0.0	3.991	0.062	0	0	0	1
		B		15.04Y	125.3	0.01	0.67	0.00	0	0	0	100					0	0	0	0
		C		14.96Y	124.7	0.02	1.33	37.37	11	559	24	100					0	0	0	99
PL.27298	PL.27302	A	4ACSR	15.17Y	126.4	0.00	-0.44	0.42	0	6	0	100	0.00	0.0	4.007	0.015	0	0	0	1
PD.1120	PL.27298	A	fuse6AMP	15.17Y	126.4	0.00	-0.44	0.42	7	6	0	100	0.00	0.0	4.007	0.000	0	0	0	1
PL.27299	PD.1120	A	4ACSR	15.17Y	126.4	0.00	-0.44	0.42	0	6	0	100	0.00	0.0	4.107	0.100	0	0	0	1
379606	PL.27299	A	Consumer	15.17Y	126.4	0.00	-0.44	0.42	0	6	0	100	0.00	0.0	4.107	0.000	6	0	1	1
PL.27300	PL.27302	C	4ACSR	14.96Y	124.7	0.01	1.34	36.12	19	540	22	100	0.03	0.0	4.000	0.009	0	0	0	94
PD.2734-A	PL.27300	C	Closed	14.96Y	124.7	0.00	1.34	36.12	0	540	22	100	0.00	0.0	4.000	0.000	0	0	0	94
PD.2734-B	PD.2734-A	C	Closed	14.96Y	124.7	0.00	1.34	36.12	0	540	22	100	0.00	0.0	4.000	0.000	0	0	0	94
PL.22302	PD.2734-B	C	4ACSR	14.96Y	124.6	0.02	1.36	36.12	19	540	22	100	0.10	0.0	4.034	0.033	0	0	0	94
PL.28286	PL.22302	C	4ACSR	14.96Y	124.6	0.00	1.36	35.75	18	534	22	100	0.02	0.0	4.039	0.005	0	0	0	93
PD.3510	PL.28286	C	50V4E	14.96Y	124.6	0.00	1.36	35.75	71	534	22	100	0.00	0.0	4.039	0.000	0	0	0	93
PL.28287	PD.3510	C	4ACSR	14.95Y	124.6	0.07	1.43	35.75	18	534	22	100	0.29	0.1	4.133	0.094	0	0	0	93
PL.14539	PL.28287	C	4ACSR	14.94Y	124.5	0.04	1.48	35.08	18	524	21	100	0.17	0.0	4.191	0.059	0	0	0	92
PL.28277	PL.14539	C	4ACSR	14.94Y	124.5	0.00	1.48	0.77	0	11	1	100	0.00	0.0	4.308	0.117	0	0	0	2
379622	PL.28277	C	Consumer	14.94Y	124.5	0.00	1.48	0.57	0	9	1	99	0.00	0.0	4.308	0.000	9	1	1	1
PL.28278	PL.28277	C	4ACSR	14.94Y	124.5	0.00	1.48	0.20	0	3	0	100	0.00	0.0	4.406	0.098	0	0	0	1
378613	PL.28278	C	Consumer	14.94Y	124.5	0.00	1.48	0.20	0	3	0	100	0.00	0.0	4.406	0.000	3	0	1	1
PL.14540	PL.14539	C	4ACSR	14.92Y	124.4	0.17	1.64	34.31	18	512	20	100	0.67	0.1	4.428	0.237	0	0	0	90
PL.14541	PL.14540	C	4ACSR	14.90Y	124.2	0.16	1.80	33.85	17	505	19	100	0.63	0.1	4.658	0.230	0	0	0	87
PL.14542	PL.14541	C	4ACSR	14.89Y	124.1	0.09	1.89	30.78	16	458	17	100	0.32	0.1	4.801	0.143	0	0	0	79
PL.18854	PL.14542	C	4ACSR	14.89Y	124.1	0.00	1.89	15.86	8	236	18	100	0.01	0.0	4.813	0.012	0	0	0	53
PD.237-A	PL.18854	C	Closed	14.89Y	124.1	0.00	1.89	15.86	0	236	18	100	0.00	0.0	4.813	0.000	0	0	0	53
PD.237-B	PD.237-A	C	Closed	14.89Y	124.1	0.00	1.89	15.86	0	236	18	100	0.00	0.0	4.813	0.000	0	0	0	53
PL.18855	PD.237-B	C	4ACSR	14.88Y	124.0	0.09	1.98	15.86	8	236	18	100	0.17	0.1	5.093	0.280	0	0	0	53
PL.14851	PL.18855	C	4ACSR	14.87Y	123.9	0.10	2.08	15.86	8	235	18	100	0.18	0.1	5.391	0.297	0	0	0	53
PL.23040	PL.14851	C	4ACSR	14.87Y	123.9	0.00	2.08	0.39	0	6	0	100	0.00	0.0	5.494	0.103	0	0	0	2
PL.28678	PL.23040	C	4ACSR	14.87Y	123.9	0.00	2.08	0.01	0	0	0	100	0.00	0.0	5.617	0.123	0	0	0	1
430607	PL.28678	C	Consumer	14.87Y	123.9	0.00	2.08	0.01	0	0	0	100	0.00	0.0	5.617	0.000	0	0	1	1
PL.23041	PL.23040	C	4ACSR	14.87Y	123.9	0.00	2.08	0.38	0	6	0	100	0.00	0.0	5.517	0.023	0	0	0	1
430602	PL.23041	C	Consumer	14.87Y	123.9	0.00	2.08	0.38	0	6	0	100	0.00	0.0	5.517	0.000	6	0	1	1
PL.14852	PL.14851	C	4ACSR	14.87Y	123.9	0.01	2.10	15.47	8	229	18	100	0.02	0.0	5.431	0.041	0	0	0	51

Unbalanced Voltage Drop Report
Source: HINKSTON

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PL.2408	PL.14852	C	4ACSR	14.87Y	123.9	0.00	2.10	0.26	0	4	2	89	0.00	0.0	5.510	0.079	0	0	0	1	
430715	PL.2408	C	Consumer	14.87Y	123.9	0.00	2.10	0.26	0	4	2	89	0.00	0.0	5.510	0.000	4	2	1	1	
PL.14853	PL.14852	C	4ACSR	14.87Y	123.9	0.01	2.11	15.23	8	226	16	100	0.02	0.0	5.468	0.037	0	0	0	50	
PL.14854	PL.14853	C	4ACSR	14.87Y	123.9	0.00	2.11	13.62	7	202	14	100	0.00	0.0	5.468	0.001	0	0	0	45	
PL.14855	PL.14854	C	4ACSR	14.86Y	123.9	0.02	2.13	13.62	7	202	14	100	0.03	0.0	5.543	0.075	0	0	0	45	
PL.28677	PL.14855	C	4ACSR	14.86Y	123.9	0.00	2.13	0.20	0	3	0	100	0.00	0.0	5.603	0.060	0	0	0	1	
430604	PL.28677	C	Consumer	14.86Y	123.9	0.00	2.13	0.20	0	3	0	100	0.00	0.0	5.603	0.000	3	0	1	1	
PL.14856	PL.14855	C	4ACSR	14.86Y	123.8	0.07	2.20	13.43	7	199	14	100	0.11	0.1	5.802	0.259	0	0	0	44	
PL.2407	PL.14856	C	4ACSR	14.86Y	123.8	0.00	2.20	0.00	0	0	0	100	0.00	0.0	5.897	0.095	0	0	0	1	
430714	PL.2407	C	Consumer	14.86Y	123.8	0.00	2.20	0.00	0	0	0	100	0.00	0.0	5.897	0.000	0	0	1	1	
PL.14857	PL.14856	C	4ACSR	14.85Y	123.7	0.05	2.25	13.43	7	199	14	100	0.08	0.0	5.985	0.183	0	0	0	43	
PL.2402	PL.14857	C	4ACSR	14.85Y	123.7	0.00	2.25	0.09	0	1	1	71	0.00	0.0	6.077	0.092	0	0	0	2	
431707	PL.2402	C	Consumer	14.85Y	123.7	0.00	2.25	0.01	0	0	0	100	0.00	0.0	6.077	0.000	0	0	1	1	
431701	PL.2402	C	Consumer	14.85Y	123.7	0.00	2.25	0.09	0	1	1	71	0.00	0.0	6.077	0.000	1	1	1	1	
PL.14858	PL.14857	C	4ACSR	14.85Y	123.7	0.03	2.28	13.34	7	198	13	100	0.04	0.0	6.080	0.095	0	0	0	41	
PL.20116	PL.14858	C	4ACSR	14.85Y	123.7	0.00	2.28	12.39	6	184	12	100	0.00	0.0	6.091	0.011	0	0	0	39	
PD.2642	PL.20116	C	25V4E	14.85Y	123.7	0.00	2.28	12.39	50	184	12	100	0.00	0.0	6.091	0.000	0	0	0	39	
PL.20117	PD.2642	C	4ACSR	14.84Y	123.7	0.06	2.34	12.39	6	184	12	100	0.09	0.0	6.338	0.247	0	0	0	39	
PL.14859	PL.20117	C	4ACSR	14.84Y	123.6	0.01	2.35	12.37	6	183	12	100	0.01	0.0	6.363	0.025	0	0	0	38	
PL.14860	PL.14859	C	4ACSR	14.83Y	123.6	0.09	2.44	11.90	6	176	12	100	0.13	0.1	6.738	0.375	0	0	0	35	
PL.21043	PL.14860	C	4ACSR	14.83Y	123.6	0.00	2.44	0.00	0	0	0	100	0.00	0.0	6.763	0.025	0	0	0	1	
PD.1358	PL.21043	C	fuse6AMP	14.83Y	123.6	0.00	2.44	0.00	0	0	0	100	0.00	0.0	6.763	0.000	0	0	0	1	
PL.21044	PD.1358	C	4ACSR	14.83Y	123.6	0.00	2.44	0.00	0	0	0	100	0.00	0.0	6.827	0.064	0	0	0	1	
PL.21126	PL.21044	C	4ACSR	14.83Y	123.6	0.00	2.44	0.00	0	0	0	100	0.00	0.0	6.974	0.147	0	0	0	1	
431705	PL.21126	C	Consumer	14.83Y	123.6	0.00	2.44	0.00	0	0	0	100	0.00	0.0	6.974	0.000	0	0	1	1	
PL.14861	PL.14860	C	4ACSR	14.82Y	123.5	0.02	2.46	11.90	6	176	12	100	0.02	0.0	6.803	0.065	0	0	0	34	
PL.14863	PL.14861	C	4ACSR	14.82Y	123.5	0.01	2.47	11.81	6	175	12	100	0.02	0.0	6.861	0.058	0	0	0	33	
430707	PL.14863	C	Consumer	14.82Y	123.5	0.00	2.47	0.21	0	3	0	100	0.00	0.0	6.861	0.000	3	0	1	1	
PL.14864	PL.14863	C	4ACSR	14.82Y	123.5	0.04	2.51	11.59	6	171	12	100	0.05	0.0	7.029	0.167	0	0	0	32	
PL.14865	PL.14864	C	4ACSR	14.82Y	123.5	0.01	2.52	11.59	6	171	11	100	0.01	0.0	7.069	0.041	0	0	0	31	
430716	PL.14865	C	Consumer	14.82Y	123.5	0.00	2.52	1.01	0	15	1	100	0.00	0.0	7.069	0.000	15	1	1	1	
PL.14862	PL.14865	C	4ACSR	14.82Y	123.5	0.01	2.53	10.58	5	156	10	100	0.01	0.0	7.093	0.023	0	0	0	30	
PL.14866	PL.14862	C	4ACSR	14.82Y	123.5	0.01	2.54	10.58	5	156	10	100	0.01	0.0	7.142	0.050	0	0	0	30	
PL.14867	PL.14866	C	4ACSR	14.81Y	123.5	0.01	2.55	10.40	5	154	10	100	0.01	0.0	7.188	0.045	0	0	0	29	
PL.20413	PL.14867	C	4ACSR	14.81Y	123.4	0.00	2.55	6.47	3	96	6	100	0.00	0.0	7.205	0.017	0	0	0	18	
C PD.1126	PL.20413	C	fuse6AMP	14.81Y	123.4	0.00	2.55	6.47	111	96	6	100	0.00	0.0	7.205	0.000	0	0	0	18	C
PL.20414	PD.1126	C	4ACSR	14.81Y	123.4	0.01	2.56	6.47	3	96	6	100	0.01	0.0	7.270	0.066	0	0	0	18	
PL.30982	PL.20414	C	4ACSR	14.81Y	123.4	0.02	2.58	6.47	3	96	6	100	0.01	0.0	7.412	0.142	0	0	0	18	

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: HINKSTON

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.14111	PL.30982	C	4ACSR	14.81Y	123.4	0.01	2.59	6.47	3	96	6	100	0.01	0.0	7.489	0.077	0	0	0	18
PL.28233	PL.14111	C	4ACSR	14.81Y	123.4	0.00	2.59	0.04	0	1	0	100	0.00	0.0	7.520	0.031	0	0	0	1
PD.1365	PL.28233	C	fuse6AMP	14.81Y	123.4	0.00	2.59	0.04	1	1	0	100	0.00	0.0	7.520	0.000	0	0	0	1
PL.28284	PD.1365	C	4ACSR	14.81Y	123.4	0.00	2.59	0.04	0	1	0	100	0.00	0.0	7.619	0.099	0	0	0	1
430802	PL.28284	C	Consumer	14.81Y	123.4	0.00	2.59	0.04	0	1	0	100	0.00	0.0	7.619	0.000	1	0	1	1
PL.14112	PL.14111	C	4ACSR	14.80Y	123.4	0.06	2.65	6.43	3	95	6	100	0.04	0.0	7.916	0.427	0	0	0	17
PL.13255	PL.14112	C	4ACSR	14.80Y	123.3	0.01	2.66	5.92	3	87	6	100	0.01	0.0	8.038	0.122	0	0	0	16
PL.13254	PL.13255	C	4ACSR	14.80Y	123.3	0.03	2.69	5.63	3	83	6	100	0.02	0.0	8.287	0.248	0	0	0	14
PD.319-A	PL.13254	C	Closed	14.80Y	123.3	0.00	2.69	5.63	0	83	6	100	0.00	0.0	8.287	0.000	0	0	0	14
PD.319-B	PD.319-A	C	Closed	14.80Y	123.3	0.00	2.69	5.63	0	83	6	100	0.00	0.0	8.287	0.000	0	0	0	14
PL.13253	PD.319-B	C	4ACSR	14.80Y	123.3	0.01	2.70	5.63	3	83	6	100	0.01	0.0	8.407	0.121	0	0	0	14
PL.13250	PL.13253	C	4ACSR	14.79Y	123.3	0.01	2.71	5.63	3	83	6	100	0.00	0.0	8.457	0.050	0	0	0	14
PL.13252	PL.13250	C	4ACSR	14.79Y	123.3	0.00	2.71	4.44	2	66	4	100	0.00	0.0	8.475	0.017	0	0	0	10
PD.1366	PL.13252	C	fuse6AMP	14.79Y	123.3	0.00	2.71	4.44	76	66	4	100	0.00	0.0	8.475	0.000	0	0	0	10
PL.21433	PD.1366	C	4ACSR	14.79Y	123.3	0.00	2.71	4.44	2	66	4	100	0.00	0.0	8.512	0.037	0	0	0	10
PL.24899	PL.21433	C	4ACSR	14.79Y	123.3	0.02	2.73	4.44	2	66	4	100	0.01	0.0	8.694	0.182	0	0	0	10
431802	PL.24899	C	Consumer	14.79Y	123.3	0.00	2.73	0.24	0	4	0	100	0.00	0.0	8.694	0.000	4	0	1	1
PL.24900	PL.24899	C	4ACSR	14.79Y	123.3	0.00	2.73	3.62	2	53	4	100	0.00	0.0	8.734	0.040	0	0	0	8
PL.23153	PL.24900	C	4ACSR	14.79Y	123.3	0.00	2.74	3.62	2	53	4	100	0.00	0.0	8.754	0.020	0	0	0	8
431813	PL.23153	C	Consumer	14.79Y	123.3	0.00	2.74	0.71	0	10	1	100	0.00	0.0	8.754	0.000	10	1	1	1
PL.23154	PL.23153	C	4ACSR	14.79Y	123.3	0.00	2.74	2.91	1	43	3	100	0.00	0.0	8.797	0.043	0	0	0	7
PL.23150	PL.23154	C	4ACSR	14.79Y	123.3	0.01	2.74	2.53	1	37	2	100	0.00	0.0	8.896	0.100	0	0	0	5
PL.23155	PL.23150	C	4ACSR	14.79Y	123.3	0.00	2.74	1.35	1	20	1	100	0.00	0.0	8.930	0.034	0	0	0	3
PL.23156	PL.23155	C	4ACSR	14.79Y	123.3	0.00	2.74	0.77	0	11	1	100	0.00	0.0	8.958	0.027	0	0	0	2
431804	PL.23156	C	Consumer	14.79Y	123.3	0.00	2.74	0.00	0	0	0	100	0.00	0.0	8.958	0.000	0	0	0	0
431810	PL.23156	C	Consumer	14.79Y	123.3	0.00	2.74	0.60	0	9	1	99	0.00	0.0	8.958	0.000	9	1	1	1
PL.20951	PL.23156	C	4ACSR	14.79Y	123.3	0.00	2.74	0.17	0	2	0	100	0.00	0.0	9.037	0.080	0	0	0	1
431812	PL.20951	C	Consumer	14.79Y	123.3	0.00	2.74	0.17	0	2	0	100	0.00	0.0	9.037	0.000	2	0	1	1
431814	PL.23155	C	Consumer	14.79Y	123.3	0.00	2.74	0.58	0	9	1	99	0.00	0.0	8.930	0.000	9	1	1	1
431807	PL.23150	C	Consumer	14.79Y	123.3	0.00	2.74	0.26	0	4	0	100	0.00	0.0	8.896	0.000	4	0	1	1
431806	PL.23150	C	Consumer	14.79Y	123.3	0.00	2.74	0.92	0	14	1	100	0.00	0.0	8.896	0.000	14	1	1	1
431811	PL.23154	C	Consumer	14.79Y	123.3	0.00	2.74	0.01	0	0	0	100	0.00	0.0	8.797	0.000	0	0	1	1
431808	PL.23154	C	Consumer	14.79Y	123.3	0.00	2.74	0.37	0	5	0	100	0.00	0.0	8.797	0.000	5	0	1	1
PL.20950	PL.24899	C	4ACSR	14.79Y	123.3	0.00	2.73	0.59	0	9	1	99	0.00	0.0	8.766	0.072	0	0	0	1
431809	PL.20950	C	Consumer	14.79Y	123.3	0.00	2.73	0.59	0	9	1	99	0.00	0.0	8.766	0.000	9	1	1	1
PL.13251	PL.13250	C	4ACSR	14.79Y	123.3	0.01	2.72	1.19	1	18	1	100	0.00	0.0	9.009	0.552	0	0	0	4
PL.21428	PL.13251	C	4ACSR	14.79Y	123.3	0.00	2.72	0.65	0	10	1	100	0.00	0.0	9.033	0.023	0	0	0	1
PD.1367	PL.21428	C	fuse6AMP	14.79Y	123.3	0.00	2.72	0.65	11	10	1	100	0.00	0.0	9.033	0.000	0	0	0	1

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

Unbalanced Voltage Drop Report
Source: HINKSTON

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.21429	PD.1367	C	4ACSR	14.79Y	123.3	0.00	2.72	0.65	0	10	1	100	0.00	0.0	9.135	0.102	0	0	0	1
PL.24897	PL.21429	C	4ACSR	14.79Y	123.3	0.00	2.73	0.65	0	10	1	100	0.00	0.0	9.242	0.107	0	0	0	1
432815	PL.24897	C	Consumer	14.79Y	123.3	0.00	2.73	0.00	0	0	0	100	0.00	0.0	9.242	0.000	0	0	0	0
4328003	PL.24897	C	Consumer	14.79Y	123.3	0.00	2.73	0.65	0	10	1	100	0.00	0.0	9.242	0.000	10	1	1	1
PL.13247	PL.13251	C	4ACSR	14.79Y	123.3	0.00	2.72	0.53	0	8	1	99	0.00	0.0	9.107	0.098	0	0	0	3
PL.6502	PL.13247	C	4ACSR	14.79Y	123.3	0.00	2.73	0.27	0	4	0	100	0.00	0.0	9.344	0.237	0	0	0	2
432901	PL.6502	C	Consumer	14.79Y	123.3	0.00	2.73	0.27	0	4	0	100	0.00	0.0	9.344	0.000	4	0	1	1
PL.13794	PL.6502	C	4ACSR	14.79Y	123.3	0.00	2.73	0.00	0	0	0	100	0.00	0.0	9.345	0.001	0	0	0	1
PL.13795	PL.13794	C	4ACSR	14.79Y	123.3	0.00	2.73	0.00	0	0	0	100	0.00	0.0	9.358	0.013	0	0	0	0
PD.317-B	PL.13795	C	Open	14.79Y	123.3	0.00	2.73	0.00	0	0	0	100	0.00	0.0	9.358	0.000	0	0	0	0
PL.24898	PL.13794	C	4ACSR	14.79Y	123.3	0.00	2.73	0.00	0	0	0	100	0.00	0.0	9.449	0.104	0	0	0	1
432917	PL.24898	C	Consumer	14.79Y	123.3	0.00	2.73	0.00	0	0	0	100	0.00	0.0	9.449	0.000	0	0	1	1
431801	PL.13247	C	Consumer	14.79Y	123.3	0.00	2.72	0.26	0	4	0	100	0.00	0.0	9.107	0.000	4	0	1	1
PL.21435	PL.13255	C	4ACSR	14.80Y	123.3	0.00	2.66	0.29	0	4	0	100	0.00	0.0	8.060	0.022	0	0	0	2
PD.1364	PL.21435	C	fuse6AMP	14.80Y	123.3	0.00	2.66	0.29	5	4	0	100	0.00	0.0	8.060	0.000	0	0	0	2
PL.28230	PD.1364	C	4ACSR	14.80Y	123.3	0.00	2.66	0.29	0	4	0	100	0.00	0.0	8.163	0.103	0	0	0	2
PL.21434	PL.28230	C	4ACSR	14.80Y	123.3	0.00	2.66	0.29	0	4	0	100	0.00	0.0	8.352	0.189	0	0	0	2
430803	PL.21434	C	Consumer	14.80Y	123.3	0.00	2.66	0.25	0	4	0	100	0.00	0.0	8.352	0.000	4	0	1	1
430807	PL.21434	C	Consumer	14.80Y	123.3	0.00	2.66	0.04	0	1	0	100	0.00	0.0	8.352	0.000	1	0	1	1
PL.20949	PL.28230	C	4ACSR	14.80Y	123.3	0.00	2.66	0.00	0	0	0	100	0.00	0.0	8.194	0.031	0	0	0	0
PL.28232	PL.14112	C	4ACSR	14.80Y	123.4	0.00	2.65	0.51	0	8	1	99	0.00	0.0	7.946	0.030	0	0	0	1
PD.1363	PL.28232	C	fuse6AMP	14.80Y	123.4	0.00	2.65	0.51	9	8	1	99	0.00	0.0	7.946	0.000	0	0	0	1
PL.28231	PD.1363	C	4ACSR	14.80Y	123.4	0.00	2.65	0.51	0	8	1	99	0.00	0.0	8.054	0.108	0	0	0	1
430801	PL.28231	C	Consumer	14.80Y	123.4	0.00	2.65	0.51	0	8	1	99	0.00	0.0	8.054	0.000	8	1	1	1
PL.20953	PL.28231	C	4ACSR	14.80Y	123.4	0.00	2.65	0.00	0	0	0	100	0.00	0.0	8.140	0.085	0	0	0	0
379707	PL.14867	C	Consumer	14.81Y	123.5	0.00	2.55	0.30	0	4	0	100	0.00	0.0	7.188	0.000	4	0	1	1
379705	PL.14867	C	Consumer	14.81Y	123.5	0.00	2.55	0.06	0	1	0	100	0.00	0.0	7.188	0.000	1	0	1	1
PL.18564	PL.14867	C	4ACSR	14.81Y	123.5	0.00	2.55	3.57	2	53	4	100	0.00	0.0	7.203	0.015	0	0	0	9
PD.238-A	PL.18564	C	Closed	14.81Y	123.5	0.00	2.55	3.57	0	53	4	100	0.00	0.0	7.203	0.000	0	0	0	9
PD.238-B	PD.238-A	C	Closed	14.81Y	123.5	0.00	2.55	3.57	0	53	4	100	0.00	0.0	7.203	0.000	0	0	0	9
PL.18565	PD.238-B	C	4ACSR	14.81Y	123.4	0.00	2.55	3.57	2	53	4	100	0.00	0.0	7.236	0.033	0	0	0	9
PL.22219	PL.18565	C	4ACSR	14.81Y	123.4	0.00	2.55	0.13	0	2	0	100	0.00	0.0	7.290	0.053	0	0	0	1
379704	PL.22219	C	Consumer	14.81Y	123.4	0.00	2.55	0.13	0	2	0	100	0.00	0.0	7.290	0.000	0	0	0	1
3797011	379704	C	Consumer	14.81Y	123.4	0.00	2.55	0.13	0	2	0	100	0.00	0.0	7.290	0.000	2	0	1	1
PL.14868	PL.18565	C	4ACSR	14.81Y	123.4	0.01	2.56	3.44	2	51	3	100	0.00	0.0	7.316	0.080	0	0	0	8
379706	PL.14868	C	Consumer	14.81Y	123.4	0.00	2.56	0.55	0	8	1	99	0.00	0.0	7.316	0.000	8	1	1	1
379703	PL.14868	C	Consumer	14.81Y	123.4	0.00	2.56	0.27	0	4	0	100	0.00	0.0	7.316	0.000	4	0	1	1
PL.14869	PL.14868	C	4ACSR	14.81Y	123.4	0.00	2.56	2.62	1	39	3	100	0.00	0.0	7.350	0.034	0	0	0	6

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: HINKSTON

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.14870	PL.14869	C	4ACSR	14.81Y	123.4	0.00	2.56	2.62	1	39	3	100	0.00	0.0	7.374	0.024	0	0	0	6
PL.2007	PL.14870	C	4ACSR	14.81Y	123.4	0.00	2.56	1.62	1	24	2	100	0.00	0.0	7.425	0.051	0	0	0	2
PL.35060	PL.2007	C	2ACSR	14.81Y	123.4	0.00	2.56	0.86	0	13	1	100	0.00	0.0	7.487	0.063	0	0	0	1
3798002	PL.35060	C	Consumer	14.81Y	123.4	0.00	2.56	0.86	0	13	1	100	0.00	0.0	7.487	0.000	13	1	1	1
379801	PL.2007	C	Consumer	14.81Y	123.4	0.00	2.56	0.00	0	0	0	100	0.00	0.0	7.425	0.000	0	0	0	0
3798001	PL.2007	C	Consumer	14.81Y	123.4	0.00	2.56	0.76	0	11	1	100	0.00	0.0	7.425	0.000	11	1	1	1
379710	PL.14870	C	Consumer	14.81Y	123.4	0.00	2.56	0.45	0	7	0	100	0.00	0.0	7.374	0.000	7	0	1	1
PL.14871	PL.14870	C	4ACSR	14.81Y	123.4	0.00	2.56	0.55	0	8	1	99	0.00	0.0	7.386	0.012	0	0	0	3
PL.19117	PL.14871	C	4ACSR	14.81Y	123.4	0.00	2.56	0.55	0	8	1	99	0.00	0.0	7.419	0.033	0	0	0	3
PL.19118	PL.19117	C	4ACSR	14.81Y	123.4	0.00	2.56	0.44	0	7	0	100	0.00	0.0	7.748	0.329	0	0	0	2
379701	PL.19118	C	Consumer	14.81Y	123.4	0.00	2.56	0.44	0	7	0	100	0.00	0.0	7.748	0.000	7	0	1	1
PL.14872	PL.19118	C	4ACSR	14.81Y	123.4	0.00	2.56	0.00	0	0	0	100	0.00	0.0	7.971	0.223	0	0	0	1
PL.22220	PL.14872	C	4ACSR	14.81Y	123.4	0.00	2.56	0.00	0	0	0	100	0.00	0.0	8.059	0.088	0	0	0	0
PL.14873	PL.14872	C	4ACSR	14.81Y	123.4	0.00	2.56	0.00	0	0	0	100	0.00	0.0	8.554	0.583	0	0	0	1
378702	PL.14873	C	Consumer	14.81Y	123.4	0.00	2.56	0.00	0	0	0	100	0.00	0.0	8.554	0.000	0	0	1	1
379702	PL.19117	C	Consumer	14.81Y	123.4	0.00	2.56	0.11	0	2	0	100	0.00	0.0	7.419	0.000	2	0	1	1
379709	PL.14866	C	Consumer	14.82Y	123.5	0.00	2.54	0.18	0	3	0	100	0.00	0.0	7.142	0.000	3	0	1	1
430706	PL.14864	C	Consumer	14.82Y	123.5	0.00	2.51	0.00	0	0	0	100	0.00	0.0	7.029	0.000	0	0	0	0
430718	PL.14864	C	Consumer	14.82Y	123.5	0.00	2.51	0.00	0	0	0	100	0.00	0.0	7.029	0.000	0	0	1	1
430712	PL.14861	C	Consumer	14.82Y	123.5	0.00	2.46	0.10	0	1	0	100	0.00	0.0	6.803	0.000	1	0	1	1
PL.20947	PL.14859	C	4ACSR	14.84Y	123.6	0.00	2.35	0.40	0	6	0	100	0.00	0.0	6.481	0.118	0	0	0	2
430705	PL.20947	C	Consumer	14.84Y	123.6	0.00	2.35	0.39	0	6	0	100	0.00	0.0	6.481	0.000	6	0	1	1
430717	PL.20947	C	Consumer	14.84Y	123.6	0.00	2.35	0.01	0	0	0	100	0.00	0.0	6.481	0.000	0	0	1	1
PL.20948	PL.14859	C	4ACSR	14.84Y	123.6	0.00	2.35	0.07	0	1	0	100	0.00	0.0	6.419	0.056	0	0	0	1
430710	PL.20948	C	Consumer	14.84Y	123.6	0.00	2.35	0.07	0	1	0	100	0.00	0.0	6.419	0.000	1	0	1	1
PL.21127	PL.20117	C	4ACSR	14.84Y	123.7	0.00	2.34	0.03	0	0	0	100	0.00	0.0	6.401	0.063	0	0	0	1
431703	PL.21127	C	Consumer	14.84Y	123.7	0.00	2.34	0.03	0	0	0	100	0.00	0.0	6.401	0.000	0	0	1	1
PL.2411	PL.14858	C	4ACSR	14.85Y	123.7	0.00	2.28	0.44	0	6	0	100	0.00	0.0	6.197	0.117	0	0	0	1
PL.28674	PL.2411	C	4ACSR	14.85Y	123.7	0.00	2.28	0.44	0	6	0	100	0.00	0.0	6.390	0.193	0	0	0	1
431706	PL.28674	C	Consumer	14.85Y	123.7	0.00	2.28	0.44	0	6	0	100	0.00	0.0	6.390	0.000	6	0	1	1
431709	PL.14858	C	Consumer	14.85Y	123.7	0.00	2.28	0.51	0	8	1	99	0.00	0.0	6.080	0.000	8	1	1	1
430605	PL.14853	C	Consumer	14.87Y	123.9	0.00	2.11	0.00	0	0	0	100	0.00	0.0	5.468	0.000	0	0	1	1
PL.21035	PL.14853	C	4ACSR	14.87Y	123.9	0.00	2.11	1.61	1	24	2	100	0.00	0.0	5.483	0.015	0	0	0	4
PD.1352	PL.21035	C	fuse6AMP	14.87Y	123.9	0.00	2.11	1.61	27	24	2	100	0.00	0.0	5.483	0.000	0	0	0	4
PL.21036	PD.1352	C	4ACSR	14.87Y	123.9	0.00	2.11	1.61	1	24	2	100	0.00	0.0	5.612	0.130	0	0	0	4
PL.28676	PL.21036	C	4ACSR	14.87Y	123.9	0.01	2.12	1.61	1	24	2	100	0.00	0.0	5.793	0.180	0	0	0	4
431605	PL.28676	C	Consumer	14.87Y	123.9	0.00	2.12	0.46	0	7	0	100	0.00	0.0	5.793	0.000	7	0	1	1
PL.28675	PL.28676	C	4ACSR	14.87Y	123.9	0.01	2.12	1.14	1	17	1	100	0.00	0.0	6.036	0.243	0	0	0	3

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Unbalanced Voltage Drop Report
Source: HINKSTON

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
431606	PL.28675	C	Consumer	14.87Y	123.9	0.00	2.12	0.50	0	7	0	100	0.00	0.0	6.036	0.000	7	0	1	1
PL.28673	PL.28675	C	4ACSR	14.86Y	123.9	0.00	2.13	0.64	0	10	1	100	0.00	0.0	6.301	0.266	0	0	0	2
431708	PL.28673	C	Consumer	14.86Y	123.9	0.00	2.13	0.31	0	5	0	100	0.00	0.0	6.301	0.000	5	0	1	1
431704	PL.28673	C	Consumer	14.86Y	123.9	0.00	2.13	0.33	0	5	0	100	0.00	0.0	6.301	0.000	5	0	1	1
PL.2403	PL.18855	C	4ACSR	14.88Y	124.0	0.00	1.98	0.00	0	0	0	100	0.00	0.0	5.095	0.001	0	0	0	0
PL.18654	PL.14542	C	4ACSR	14.89Y	124.1	0.00	1.89	14.95	8	223	-2	-100	0.01	0.0	4.811	0.010	0	0	0	26
PD.236-A	PL.18654	C	Closed	14.89Y	124.1	0.00	1.89	14.95	0	223	-2	-100	0.00	0.0	4.811	0.000	0	0	0	26
PD.236-B	PD.236-A	C	Closed	14.89Y	124.1	0.00	1.89	14.95	0	223	-2	-100	0.00	0.0	4.811	0.000	0	0	0	26
PL.18655	PD.236-B	C	4ACSR	14.89Y	124.1	0.02	1.91	14.95	8	223	-2	-100	0.04	0.0	4.887	0.077	0	0	0	26
PL.18398	PL.18655	C	4ACSR	14.89Y	124.1	0.00	1.91	0.55	0	8	1	99	0.00	0.0	4.893	0.006	0	0	0	2
PD.1124	PL.18398	C	fuse6AMP	14.89Y	124.1	0.00	1.91	0.55	9	8	1	99	0.00	0.0	4.893	0.000	0	0	0	2
PL.18399	PD.1124	C	4ACSR	14.89Y	124.1	0.00	1.92	0.55	0	8	1	99	0.00	0.0	5.031	0.138	0	0	0	2
379621	PL.18399	C	Consumer	14.89Y	124.1	0.00	1.92	0.45	0	7	0	100	0.00	0.0	5.031	0.000	7	0	1	1
379611	PL.18399	C	Consumer	14.89Y	124.1	0.00	1.92	0.10	0	1	0	100	0.00	0.0	5.031	0.000	1	0	1	1
PL.14543	PL.18655	C	4ACSR	14.88Y	124.0	0.06	1.98	14.40	7	214	-2	-100	0.11	0.0	5.103	0.216	0	0	0	24
378633	PL.14543	C	Consumer	14.88Y	124.0	0.00	1.98	0.02	0	0	0	100	0.00	0.0	5.103	0.000	0	0	1	1
PL.14544	PL.14543	C	4ACSR	14.88Y	124.0	0.01	1.99	14.39	7	214	-2	-100	0.02	0.0	5.151	0.048	0	0	0	23
PL.2004	PL.14544	C	4ACSR	14.88Y	124.0	0.00	1.99	0.30	0	4	0	100	0.00	0.0	5.291	0.139	0	0	0	1
379623	PL.2004	C	Consumer	14.88Y	124.0	0.00	1.99	0.30	0	4	0	100	0.00	0.0	5.291	0.000	4	0	1	1
PL.2005	PL.14544	C	4ACSR	14.88Y	124.0	0.00	1.99	0.00	0	0	0	100	0.00	0.0	5.234	0.083	0	0	0	0
PL.20364	PL.14544	C	4ACSR	14.88Y	124.0	0.02	2.01	14.09	7	210	-3	-100	0.03	0.0	5.216	0.065	0	0	0	22
PD.3396	PL.20364	C	25V4E	14.88Y	124.0	0.00	2.01	14.09	56	210	-3	-100	0.00	0.0	5.216	0.000	0	0	0	22
PL.20365	PD.3396	C	4ACSR	14.88Y	124.0	0.01	2.01	14.09	7	210	-3	-100	0.01	0.0	5.241	0.025	0	0	0	22
PL.14848	PL.20365	C	4ACSR	14.88Y	124.0	0.00	2.02	2.77	1	41	3	100	0.00	0.0	5.284	0.044	0	0	0	6
PL.14849	PL.14848	C	4ACSR	14.88Y	124.0	0.00	2.02	0.00	0	0	0	100	0.00	0.0	5.332	0.048	0	0	0	1
PL.2006	PL.14849	C	4ACSR	14.88Y	124.0	0.00	2.02	0.00	0	0	0	100	0.00	0.0	5.435	0.103	0	0	0	0
PL.14850	PL.14849	C	4ACSR	14.88Y	124.0	0.00	2.02	0.00	0	0	0	100	0.00	0.0	5.547	0.215	0	0	0	1
PL.22223	PL.14850	C	4ACSR	14.88Y	124.0	0.00	2.02	0.00	0	0	0	100	0.00	0.0	5.665	0.118	0	0	0	1
378611	PL.22223	C	Consumer	14.88Y	124.0	0.00	2.02	0.00	0	0	0	100	0.00	0.0	5.665	0.000	0	0	1	1
PL.28280	PL.14848	C	4ACSR	14.88Y	124.0	0.00	2.02	2.06	1	31	2	100	0.00	0.0	5.372	0.088	0	0	0	4
378625	PL.28280	C	Consumer	14.88Y	124.0	0.00	2.02	0.58	0	9	1	99	0.00	0.0	5.372	0.000	9	1	1	1
PL.28203	PL.28280	C	4ACSR	14.88Y	124.0	0.00	2.02	1.48	1	22	1	100	0.00	0.0	5.372	0.000	0	0	0	3
PL.28567	PL.28203	C	4ACSR	14.88Y	124.0	0.00	2.02	0.55	0	8	1	99	0.00	0.0	5.409	0.036	0	0	0	2
378605	PL.28567	C	Consumer	14.88Y	124.0	0.00	2.02	0.00	0	0	0	100	0.00	0.0	5.409	0.000	0	0	1	1
378621	PL.28567	C	Consumer	14.88Y	124.0	0.00	2.02	0.55	0	8	1	99	0.00	0.0	5.409	0.000	8	1	1	1
PL.28204	PL.28203	C	4ACSR	14.88Y	124.0	0.00	2.02	0.93	0	14	1	100	0.00	0.0	5.436	0.063	0	0	0	1
378620	PL.28204	C	Consumer	14.88Y	124.0	0.00	2.02	0.93	0	14	1	100	0.00	0.0	5.436	0.000	14	1	1	1
378609	PL.14848	C	Consumer	14.88Y	124.0	0.00	2.02	0.71	0	10	1	100	0.00	0.0	5.284	0.000	10	1	1	1

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Unbalanced Voltage Drop Report
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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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.20366	PL.20365	C	4ACSR	14.88Y	124.0	0.00	2.02	11.33	6	169	-5	-100	0.00	0.0	5.248	0.008	0	0	0	16
C PD.1127	PL.20366	C	fuse6AMP	14.88Y	124.0	0.00	2.02	11.33	194	169	-5	-100	0.00	0.0	5.248	0.000	0	0	0	16 C
PL.20367	PD.1127	C	4ACSR	14.88Y	124.0	0.02	2.03	11.33	6	169	-5	-100	0.02	0.0	5.321	0.072	0	0	0	16
PL.6261	PL.20367	C	1/0EPRJCN	14.88Y	124.0	0.00	2.04	6.79	4	101	-4	-100	0.00	0.0	5.387	0.066	0	0	0	10
378629	PL.6261	C	Consumer	14.88Y	124.0	0.00	2.04	0.77	0	11	1	100	0.00	0.0	5.387	0.000	11	1	1	1
PL.4503	PL.6261	C	1/0EPRJCN	14.88Y	124.0	0.01	2.04	6.03	3	90	-3	-100	0.00	0.0	5.474	0.087	0	0	0	9
378627	PL.4503	C	Consumer	14.88Y	124.0	0.00	2.04	0.74	0	11	1	100	0.00	0.0	5.474	0.000	11	1	1	1
378631	PL.4503	C	Consumer	14.88Y	124.0	0.00	2.04	0.53	0	8	1	99	0.00	0.0	5.474	0.000	8	1	1	1
PL.14844	PL.4503	C	1/0EPRJCN	14.87Y	124.0	0.00	2.04	4.76	3	71	-3	-100	0.00	0.0	5.505	0.031	0	0	0	7
PL.14845	PL.14844	C	1/0EPRJCN	14.87Y	124.0	0.00	2.04	3.36	2	50	-4	-100	0.00	0.0	5.531	0.026	0	0	0	5
PL.4502	PL.14845	C	1/0EPRJCN	14.87Y	124.0	0.00	2.05	2.67	1	40	-4	-100	0.00	0.0	5.645	0.114	0	0	0	4
378711	PL.4502	C	Consumer	14.87Y	124.0	0.00	2.05	0.76	0	11	1	100	0.00	0.0	5.645	0.000	11	1	1	1
378715	PL.4502	C	Consumer	14.87Y	124.0	0.00	2.05	0.58	0	9	1	99	0.00	0.0	5.645	0.000	9	1	1	1
PL.4501	PL.4502	C	1/0EPRJCN	14.87Y	124.0	0.00	2.05	1.34	1	20	-3	-99	0.00	0.0	5.677	0.033	0	0	0	2
PL.4500	PL.4501	C	1/0EPRJCN	14.87Y	124.0	0.00	2.05	0.77	0	11	-3	-96	0.00	0.0	5.710	0.032	0	0	0	1
3787016	PL.4500	C	Consumer	14.87Y	124.0	0.00	2.05	0.75	0	11	1	100	0.00	0.0	5.710	0.000	11	1	1	1
PL.4499	PL.4500	C	1/0EPRJCN	14.87Y	124.0	-0.00	2.05	-0.22	0	0	-3	0	0.00	0.0	5.799	0.089	0	0	0	0
PL.4498	PL.4499	C	1/0EPRJCN	14.87Y	124.0	-0.00	2.05	-0.11	0	0	-2	0	0.00	0.0	5.845	0.046	0	0	0	0
PL.6263	PL.4498	C	1/0EPRJCN	14.87Y	124.0	-0.00	2.05	-0.05	0	0	-1	0	0.00	0.0	5.887	0.041	0	0	0	0
378710	PL.4498	C	Consumer	14.87Y	124.0	0.00	2.05	0.00	0	0	0	100	0.00	0.0	5.845	0.000	0	0	0	0
378714	PL.4501	C	Consumer	14.87Y	124.0	0.00	2.05	0.58	0	9	1	99	0.00	0.0	5.677	0.000	9	1	1	1
3787018	PL.4501	C	Consumer	14.87Y	124.0	0.00	2.05	0.00	0	0	0	100	0.00	0.0	5.677	0.000	0	0	0	0
378708	PL.14845	C	Consumer	14.87Y	124.0	0.00	2.04	0.70	0	10	1	100	0.00	0.0	5.531	0.000	10	1	1	1
378709	PL.14844	C	Consumer	14.87Y	124.0	0.00	2.04	0.82	0	12	1	100	0.00	0.0	5.505	0.000	12	1	1	1
3787017	PL.14844	C	Consumer	14.87Y	124.0	0.00	2.04	0.59	0	9	1	99	0.00	0.0	5.505	0.000	9	1	1	1
PL.14843	PL.20367	C	1/0EPRJCN	14.88Y	124.0	0.00	2.03	4.54	2	67	-2	-100	0.00	0.0	5.379	0.058	0	0	0	6
378630	PL.14843	C	Consumer	14.88Y	124.0	0.00	2.03	0.48	0	7	0	100	0.00	0.0	5.379	0.000	7	0	1	1
378626	PL.14843	C	Consumer	14.88Y	124.0	0.00	2.03	0.00	0	0	0	100	0.00	0.0	5.379	0.000	0	0	0	0
PL.14846	PL.14843	C	1/0EPRJCN	14.88Y	124.0	0.00	2.04	4.06	2	60	-1	-100	0.00	0.0	5.444	0.065	0	0	0	5
PL.14847	PL.14846	C	1/0EPRJCN	14.88Y	124.0	0.00	2.04	2.40	1	36	-1	-100	0.00	0.0	5.540	0.096	0	0	0	3
PL.6262	PL.14847	C	1/0EPRJCN	14.88Y	124.0	0.00	2.04	0.35	0	5	-2	-93	0.00	0.0	5.649	0.109	0	0	0	1
378712	PL.6262	C	Consumer	14.88Y	124.0	0.00	2.04	0.34	0	5	0	100	0.00	0.0	5.649	0.000	5	0	1	1
378706	PL.14847	C	Consumer	14.88Y	124.0	0.00	2.04	0.76	0	11	1	100	0.00	0.0	5.540	0.000	11	1	1	1
378707	PL.14847	C	Consumer	14.88Y	124.0	0.00	2.04	1.31	0	19	1	100	0.00	0.0	5.540	0.000	19	1	1	1
378622	PL.14846	C	Consumer	14.88Y	124.0	0.00	2.04	0.87	0	13	1	100	0.00	0.0	5.444	0.000	13	1	1	1
378628	PL.14846	C	Consumer	14.88Y	124.0	0.00	2.04	0.79	0	12	1	100	0.00	0.0	5.444	0.000	12	1	1	1
PL.21596	PL.14541	C	4ACSR	14.90Y	124.2	0.00	1.80	3.07	2	46	2	100	0.00	0.0	4.665	0.006	0	0	0	8
PD.1123	PL.21596	C	fuse8AMP	14.90Y	124.2	0.00	1.80	3.07	42	46	2	100	0.00	0.0	4.665	0.000	0	0	0	8

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

Unbalanced Voltage Drop Report
Source: HINKSTON

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
	PL.35661	PD.1123	C	4ACSR	14.90Y	124.2	0.01	1.81	3.07	2	46	2	100	0.00	0.0	4.775	0.110	0	0	0	8	
P	PL.35660	PL.35661	C	1/0EPRJCN	14.90Y	124.2	-0.00	1.81	0.05	0	0	-1	0	0.00	0.0	4.818	0.043	0	0	0	1	P
	3796016	PL.35660	C	Consumer	14.90Y	124.2	0.00	1.81	0.00	0	0	0	100	0.00	0.0	4.818	0.000	0	0	1	1	
	PL.35662	PL.35661	C	4ACSR	14.90Y	124.2	0.01	1.82	3.07	2	46	3	100	0.00	0.0	4.944	0.169	0	0	0	7	
	PL.28279	PL.35662	C	4ACSR	14.90Y	124.2	0.01	1.83	2.79	1	41	3	100	0.00	0.0	5.109	0.165	0	0	0	5	
	378614	PL.28279	C	Consumer	14.90Y	124.2	0.00	1.83	0.05	0	1	0	100	0.00	0.0	5.109	0.000	1	0	1	1	
	PL.23047	PL.28279	C	4ACSR	14.90Y	124.2	0.00	1.83	2.73	1	41	3	100	0.00	0.0	5.109	0.000	0	0	0	4	
	PL.23048	PL.23047	C	4ACSR	14.90Y	124.2	0.00	1.83	2.15	1	32	2	100	0.00	0.0	5.194	0.085	0	0	0	2	
	378624	PL.23048	C	Consumer	14.90Y	124.2	0.00	1.83	0.30	0	4	0	100	0.00	0.0	5.194	0.000	4	0	1	1	
	378623	PL.23048	C	Consumer	14.90Y	124.2	0.00	1.83	1.85	0	27	2	100	0.00	0.0	5.194	0.000	27	2	1	1	
	378615	PL.23048	C	Consumer	14.90Y	124.2	0.00	1.83	0.00	0	0	0	100	0.00	0.0	5.194	0.000	0	0	0	0	
	PL.28568	PL.23047	C	4ACSR	14.90Y	124.2	0.00	1.83	0.59	0	9	1	99	0.00	0.0	5.172	0.063	0	0	0	2	
	378632	PL.28568	C	Consumer	14.90Y	124.2	0.00	1.83	0.01	0	0	0	100	0.00	0.0	5.172	0.000	0	0	1	1	
	3786034	PL.28568	C	Consumer	14.90Y	124.2	0.00	1.83	0.57	0	9	1	99	0.00	0.0	5.172	0.000	9	1	1	1	
	378601	PL.35662	C	Consumer	14.90Y	124.2	0.00	1.82	0.20	0	3	0	100	0.00	0.0	4.944	0.000	3	0	1	1	
	378608	PL.35662	C	Consumer	14.90Y	124.2	0.00	1.82	0.08	0	1	0	100	0.00	0.0	4.944	0.000	1	0	1	1	
	378606	PL.35662	C	Consumer	14.90Y	124.2	0.00	1.82	0.00	0	0	0	100	0.00	0.0	4.944	0.000	0	0	0	0	
	379619	PL.14540	C	Consumer	14.92Y	124.4	0.00	1.64	0.07	0	1	0	100	0.00	0.0	4.428	0.000	1	0	1	1	
	379617	PL.14540	C	Consumer	14.92Y	124.4	0.00	1.64	0.02	0	0	0	100	0.00	0.0	4.428	0.000	0	0	1	1	
	379609	PL.14540	C	Consumer	14.92Y	124.4	0.00	1.64	0.36	0	5	0	100	0.00	0.0	4.428	0.000	5	0	1	1	
	PL.21700	PL.28287	C	4ACSR	14.95Y	124.6	0.00	1.43	0.67	0	10	1	100	0.00	0.0	4.141	0.009	0	0	0	1	
	PD.1122	PL.21700	C	fuse6AMP	14.95Y	124.6	0.00	1.43	0.67	11	10	1	100	0.00	0.0	4.141	0.000	0	0	0	1	
	PL.21701	PD.1122	C	4ACSR	14.95Y	124.6	0.00	1.43	0.67	0	10	1	100	0.00	0.0	4.254	0.112	0	0	0	1	
	PL.22222	PL.21701	C	4ACSR	14.95Y	124.6	0.00	1.44	0.67	0	10	1	100	0.00	0.0	4.314	0.060	0	0	0	1	
	PL.22221	PL.22222	C	4ACSR	14.95Y	124.6	0.00	1.44	0.67	0	10	1	100	0.00	0.0	4.400	0.087	0	0	0	1	
	378617	PL.22221	C	Consumer	14.95Y	124.6	0.00	1.44	0.67	0	10	1	100	0.00	0.0	4.400	0.000	10	1	1	1	
	PL.28566	PL.22302	C	4ACSR	14.96Y	124.6	0.00	1.36	0.37	0	6	0	100	0.00	0.0	4.059	0.026	0	0	0	1	
	379604	PL.28566	C	Consumer	14.96Y	124.6	0.00	1.36	0.37	0	6	0	100	0.00	0.0	4.059	0.000	6	0	1	1	
	PL.14321	PL.27302	A	1/0ACSR	15.17Y	126.4	-0.00	-0.44	0.00	0	0	0	100	0.00	0.0	4.047	0.055	0	0	0	0	
			B		15.04Y	125.3	0.00	0.67	0.00	0	0	0	100					0	0	0	0	
			C		14.96Y	124.7	0.00	1.33	1.26	0	19	1	100					0	0	0	5	
	PL.14538	PL.14321	A	1/0ACSR	15.17Y	126.4	0.00	-0.44	0.00	0	0	0	100	0.00	0.0	4.098	0.051	0	0	0	0	
			B		15.04Y	125.3	0.00	0.67	0.00	0	0	0	100					0	0	0	0	
			C		14.96Y	124.7	0.00	1.33	0.00	0	0	0	100					0	0	0	0	
	PD.7631-A	PL.14538	A	Open	15.17Y	126.4	0.00	-0.44	0.00	0	0	0	100	0.00	0.0	4.098	0.000	0	0	0	0	
			B		15.04Y	125.3	0.00	0.67	0.00	0	0	0	100					0	0	0	0	
			C		14.96Y	124.7	0.00	1.33	0.00	0	0	0	100					0	0	0	0	
	PL.20453	PL.14321	C	4ACSR	14.96Y	124.7	0.00	1.33	1.26	1	19	1	100	0.00	0.0	4.068	0.021	0	0	0	5	
	PD.1125	PL.20453	C	fuse6AMP	14.96Y	124.7	0.00	1.33	1.26	21	19	1	100	0.00	0.0	4.068	0.000	0	0	0	5	
	PL.20452	PD.1125	C	4ACSR	14.96Y	124.7	0.00	1.33	1.26	1	19	1	100	0.00	0.0	4.147	0.079	0	0	0	5	
	PL.6260	PL.20452	C	4ACSR	14.96Y	124.7	0.00	1.33	0.40	0	6	0	100	0.00	0.0	4.235	0.088	0	0	0	1	

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

Unbalanced Voltage Drop Report
Source: HINKSTON

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
	379615	PL.6260	C	Consumer	14.96Y	124.7	0.00	1.33	0.40	0	6	0	100	0.00	0.0	4.235	0.000	6	0	1	1	
	379601	PL.20452	C	Consumer	14.96Y	124.7	0.00	1.33	0.15	0	2	0	100	0.00	0.0	4.147	0.000	2	0	1	1	
	3796017	PL.20452	C	Consumer	14.96Y	124.7	0.00	1.33	0.00	0	0	0	100	0.00	0.0	4.147	0.000	0	0	0	0	
	379603	PL.20452	C	Consumer	14.96Y	124.7	0.00	1.33	0.42	0	6	0	100	0.00	0.0	4.147	0.000	6	0	1	1	
	379602	PL.20452	C	Consumer	14.96Y	124.7	0.00	1.33	0.26	0	4	0	100	0.00	0.0	4.147	0.000	4	0	1	1	
	379627	PL.20452	C	Consumer	14.96Y	124.7	0.00	1.33	0.03	0	0	0	100	0.00	0.0	4.147	0.000	0	0	1	1	
	430612	PL.19543	B	Consumer	15.05Y	125.4	0.00	0.62	0.84	0	13	1	100	0.00	0.0	3.537	0.000	13	1	1	1	
	430606	PL.19543	B	Consumer	15.05Y	125.4	0.00	0.62	0.23	0	3	0	100	0.00	0.0	3.537	0.000	3	0	1	1	
	PL.17790	PL.14473	A	4ACSR	15.16Y	126.3	0.00	-0.33	1.69	1	26	2	100	0.00	0.0	3.389	0.024	0	0	0	4	
	PD.1354	PL.17790	A	fuse6AMP	15.16Y	126.3	0.00	-0.33	1.69	29	26	2	100	0.00	0.0	3.389	0.000	0	0	0	4	
	PL.17791	PD.1354	A	4ACSR	15.16Y	126.3	0.00	-0.33	1.69	1	26	2	100	0.00	0.0	3.448	0.059	0	0	0	4	
	PL.18252	PL.17791	A	4ACSR	15.16Y	126.3	0.00	-0.32	1.10	1	17	1	100	0.00	0.0	3.533	0.085	0	0	0	3	
	PL.18253	PL.18252	A	4ACSR	15.16Y	126.3	-0.00	-0.32	0.70	0	11	1	100	0.00	0.0	3.534	0.000	0	0	0	2	
	PL.2410	PL.18253	A	4ACSR	15.16Y	126.3	0.00	-0.32	0.70	0	11	1	100	0.00	0.0	3.570	0.036	0	0	0	2	
	430615	PL.2410	A	Consumer	15.16Y	126.3	0.00	-0.32	0.01	0	0	0	100	0.00	0.0	3.570	0.000	0	0	1	1	
	430611	PL.2410	A	Consumer	15.16Y	126.3	0.00	-0.32	0.69	0	10	1	100	0.00	0.0	3.570	0.000	10	1	1	1	
	430610	PL.18252	A	Consumer	15.16Y	126.3	0.00	-0.32	0.40	0	6	0	100	0.00	0.0	3.533	0.000	6	0	1	1	
	430609	PL.17791	A	Consumer	15.16Y	126.3	0.00	-0.33	0.59	0	9	1	99	0.00	0.0	3.448	0.000	9	1	1	1	
	PL.2404	PL.14472	C	4ACSR	14.99Y	124.9	0.00	1.07	0.34	0	5	0	100	0.00	0.0	3.310	0.028	0	0	0	1	
	PD.1359	PL.2404	C	fuse6AMP	14.99Y	124.9	0.00	1.07	0.34	6	5	0	100	0.00	0.0	3.310	0.000	0	0	0	1	
	PL.14474	PD.1359	C	4ACSR	14.99Y	124.9	0.00	1.08	0.34	0	5	0	100	0.00	0.0	3.574	0.263	0	0	0	1	
	PL.1624	PL.14474	C	4ACSR	14.99Y	124.9	0.00	1.08	0.34	0	5	0	100	0.00	0.0	3.675	0.101	0	0	0	1	
	430502	PL.1624	C	Consumer	14.99Y	124.9	0.00	1.08	0.34	0	5	0	100	0.00	0.0	3.675	0.000	5	0	1	1	
	PL.14319	PL.14474	C	4ACSR	14.99Y	124.9	0.00	1.08	0.00	0	0	0	100	0.00	0.0	3.716	0.142	0	0	0	0	
	PL.18177	PL.6493	A	4ACSR	15.16Y	126.3	0.00	-0.31	0.00	0	0	0	100	0.00	0.0	3.264	0.020	0	0	0	1	
	PD.1353	PL.18177	A	fuse6AMP	15.16Y	126.3	0.00	-0.31	0.00	0	0	0	100	0.00	0.0	3.264	0.000	0	0	0	1	
	PL.18178	PD.1353	A	4ACSR	15.16Y	126.3	0.00	-0.31	0.00	0	0	0	100	0.00	0.0	3.521	0.257	0	0	0	1	
	431602	PL.18178	A	Consumer	15.16Y	126.3	0.00	-0.31	0.00	0	0	0	100	0.00	0.0	3.521	0.000	0	0	1	1	
	430614	PL.43984	B	Consumer	15.05Y	125.4	0.00	0.59	0.00	0	0	0	100	0.00	0.0	3.209	0.000	0	0	0	0	
P	PL.45327	PL.43983	A	2ACSR	15.15Y	126.3	-0.00	-0.27	-0.06	0	0	-1	0	0.00	0.0	3.048	0.044	0	0	0	0	P
	PL.45395	PL.45327	A	2ACSR	15.15Y	126.3	0.00	-0.27	0.00	0	0	0	100	0.00	0.0	3.108	0.061	0	0	0	0	
	4315029	PL.45395	A	Consumer	15.15Y	126.3	0.00	-0.27	0.00	0	0	0	100	0.00	0.0	3.108	0.000	0	0	0	0	
	4315028	PL.45327	A	Consumer	15.15Y	126.3	0.00	-0.27	0.00	0	0	0	100	0.00	0.0	3.048	0.000	0	0	0	0	
P	PL.45328	PL.45327	A	2ACSR	15.15Y	126.3	-0.00	-0.27	-0.06	0	0	-1	0	0.00	0.0	3.083	0.036	0	0	0	0	P
	PL.45324	PL.45328	A	2ACSR	15.15Y	126.3	0.00	-0.27	0.00	0	0	0	100	0.00	0.0	3.285	0.202	0	0	0	0	
P	PL.45322	PL.45328	A	1/0EPRJCN	15.15Y	126.3	-0.00	-0.27	-0.06	0	0	-1	0	0.00	0.0	3.134	0.051	0	0	0	0	P
	4315027	PL.45322	A	Consumer	15.15Y	126.3	0.00	-0.27	0.00	0	0	0	100	0.00	0.0	3.134	0.000	0	0	0	0	
	4316019	PL.43983	A	Consumer	15.15Y	126.3	0.00	-0.27	0.00	0	0	0	100	0.00	0.0	3.003	0.000	0	0	0	0	

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

Unbalanced Voltage Drop Report
Source: HINKSTON

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.43985	PL.43983	A	2ACSR	15.15Y	126.3	0.00	-0.27	0.00	0	0	0	100	0.00	0.0	3.034	0.030	0	0	0	0
4316020	PL.43985	A	Consumer	15.15Y	126.3	0.00	-0.27	0.00	0	0	0	100	0.00	0.0	3.034	0.000	0	0	0	0
4316022	PL.43985	A	Consumer	15.15Y	126.3	0.00	-0.27	0.00	0	0	0	100	0.00	0.0	3.034	0.000	0	0	0	0
4316021	PL.43985	A	Consumer	15.15Y	126.3	0.00	-0.27	0.00	0	0	0	100	0.00	0.0	3.034	0.000	0	0	0	0
4316018	PL.43985	A	Consumer	15.15Y	126.3	0.00	-0.27	0.00	0	0	0	100	0.00	0.0	3.034	0.000	0	0	0	0
PL.43979	PL.43977	A	4ACSR	15.15Y	126.3	-0.00	-0.26	0.03	0	0	0	100	0.00	0.0	2.955	0.009	0	0	0	1
PD.1355	PL.43979	A	fuse6AMP	15.15Y	126.3	0.00	-0.26	0.03	0	0	0	100	0.00	0.0	2.955	0.000	0	0	0	1
PL.43980	PD.1355	A	4ACSR	15.15Y	126.3	0.00	-0.26	0.03	0	0	0	100	0.00	0.0	3.020	0.065	0	0	0	1
431608	PL.43980	A	Consumer	15.15Y	126.3	0.00	-0.26	0.03	0	0	0	100	0.00	0.0	3.020	0.000	0	0	1	1
431601	PL.14470	B	Consumer	15.05Y	125.5	0.00	0.54	0.49	0	7	0	100	0.00	0.0	2.819	0.000	7	0	1	1
PL.27561	PL.14465	C	4ACSR	15.02Y	125.2	0.00	0.81	1.25	1	19	1	100	0.00	0.0	2.576	0.014	0	0	0	2
PD.1385	PL.27561	C	fuse6AMP	15.02Y	125.2	0.00	0.81	1.25	21	19	1	100	0.00	0.0	2.576	0.000	0	0	0	2
PL.27562	PD.1385	C	4ACSR	15.02Y	125.2	0.00	0.81	1.25	1	19	1	100	0.00	0.0	2.630	0.055	0	0	0	2
431525	PL.27562	C	Consumer	15.02Y	125.2	0.00	0.81	0.85	0	13	1	100	0.00	0.0	2.630	0.000	13	1	1	1
431520	PL.27562	C	Consumer	15.02Y	125.2	0.00	0.81	0.40	0	6	0	100	0.00	0.0	2.630	0.000	6	0	1	1
431522	PL.27562	C	Consumer	15.02Y	125.2	0.00	0.81	0.00	0	0	0	100	0.00	0.0	2.630	0.000	0	0	0	0
PL.21050	PL.18659	A	4ACSR	15.14Y	126.2	0.00	-0.18	0.84	0	13	1	100	0.00	0.0	2.404	0.020	0	0	0	2
PD.1379	PL.21050	A	fuse6AMP	15.14Y	126.2	0.00	-0.18	0.84	14	13	1	100	0.00	0.0	2.404	0.000	0	0	0	2
PL.21051	PD.1379	A	4ACSR	15.14Y	126.2	0.00	-0.18	0.84	0	13	1	100	0.00	0.0	2.443	0.039	0	0	0	2
PL.20959	PL.21051	A	4ACSR	15.14Y	126.2	0.00	-0.17	0.70	0	11	1	100	0.00	0.0	2.506	0.064	0	0	0	1
431515	PL.20959	A	Consumer	15.14Y	126.2	0.00	-0.17	0.70	0	11	1	100	0.00	0.0	2.506	0.000	11	1	1	1
431507	PL.21051	A	Consumer	15.14Y	126.2	0.00	-0.18	0.13	0	2	0	100	0.00	0.0	2.443	0.000	2	0	1	1
PL.39783	PL.39781	A	1/0EPRJCN	15.13Y	126.1	0.00	-0.08	8.17	4	120	31	97	0.00	0.0	1.752	0.013	0	0	0	1
		B		15.07Y	125.6	0.00	0.41	8.21	4	120	31	97					0	0	0	1
		C		15.06Y	125.5	0.00	0.51	8.21	4	120	31	97					0	0	0	1
PD.7103	PL.39783	A	fuse20AMP	15.13Y	126.1	0.00	-0.08	8.18	43	120	32	97	0.00	0.0	1.752	0.000	0	0	0	1
		B		15.07Y	125.6	0.00	0.41	8.21	43	120	32	97					0	0	0	1
		C		15.06Y	125.5	0.00	0.51	8.22	43	120	32	97					0	0	0	1
PL.39784	PD.7103	A	1/0EPRJCN	15.13Y	126.1	0.00	-0.08	8.18	4	120	32	97	0.01	0.0	1.780	0.028	0	0	0	1
		B		15.07Y	125.6	0.00	0.41	8.21	4	120	32	97					0	0	0	1
		C		15.06Y	125.5	0.00	0.51	8.22	4	120	32	97					0	0	0	1
4325026	PL.39784	A	Consumer	15.13Y	126.1	0.00	-0.08	0.00	0	0	0	100	0.00	0.0	1.780	0.000	0	0	0	0
		B		15.07Y	125.6	0.00	0.41	0.00	0	0	0	100					0	0	0	0
		C		15.06Y	125.5	0.00	0.51	0.00	0	0	0	100					0	0	0	0
4325025	PL.39784	A	Consumer	15.13Y	126.1	0.00	-0.08	8.19	0	120	32	97	0.00	0.0	1.780	0.000	120	32	0	0
		B		15.07Y	125.6	0.00	0.41	8.22	0	120	32	97					120	32	0	0
		C		15.06Y	125.5	0.00	0.51	8.23	0	120	32	97					120	32	0	0
432514	PL.14460	B	Consumer	15.09Y	125.7	0.00	0.28	0.25	0	4	0	100	0.00	0.0	0.897	0.000	4	0	1	1
433505	PL.44153	B	Consumer	15.09Y	125.8	0.00	0.23	0.17	0	3	0	100	0.00	0.0	0.731	0.000	3	0	1	1
4335144	PL.44153	B	Consumer	15.09Y	125.8	0.00	0.23	0.00	0	0	0	100	0.00	0.0	0.731	0.000	0	0	0	0
PL.13675	PL.13672	C	4ACSR	15.11Y	125.9	0.00	0.11	1.16	1	17	4	97	0.00	0.0	0.454	0.008	0	0	0	3
PD.1393	PL.13675	C	fuse6AMP	15.11Y	125.9	0.00	0.11	1.16	20	17	4	97	0.00	0.0	0.454	0.000	0	0	0	3
PL.13676	PD.1393	C	4ACSR	15.11Y	125.9	0.00	0.11	1.16	1	17	4	97	0.00	0.0	0.529	0.075	0	0	0	3

Unbalanced Voltage Drop Report
Source: HINKSTON

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
	433511	PL.13676	C	Consumer	15.11Y	125.9	0.00	0.11	0.47	0	7	0	100	0.00	0.0	0.529	0.000	7	0	1	1
	4335139	PL.13676	C	Consumer	15.11Y	125.9	0.00	0.11	0.28	0	4	0	100	0.00	0.0	0.529	0.000	4	0	1	1
	433533	PL.13676	C	Consumer	15.11Y	125.9	0.00	0.11	0.44	0	6	3	89	0.00	0.0	0.529	0.000	6	3	1	1
	PL.13673	PL.13672	A	4ACSR	15.12Y	126.0	0.00	-0.00	1.93	1	29	1	100	0.00	0.0	0.453	0.006	0	0	0	2
	PD.1392	PL.13673	A	fuse6AMP	15.12Y	126.0	0.00	-0.00	1.93	33	29	1	100	0.00	0.0	0.453	0.000	0	0	0	2
	PL.13674	PD.1392	A	4ACSR	15.12Y	126.0	0.00	0.00	1.93	1	29	1	100	0.00	0.0	0.494	0.041	0	0	0	2
	PL.6697	PL.13674	A	4ACSR	15.12Y	126.0	0.00	0.00	1.93	1	29	1	100	0.00	0.0	0.517	0.023	0	0	0	2
	PL.6698	PL.6697	A	4ACSR	15.12Y	126.0	0.00	0.00	1.93	1	29	1	100	0.00	0.0	0.538	0.021	0	0	0	1
	433512	PL.6698	A	Consumer	15.12Y	126.0	0.00	0.00	1.93	0	29	2	100	0.00	0.0	0.538	0.000	29	2	1	1
P	PL.31034	PL.6698	A	2ACSR	15.12Y	126.0	-0.00	0.00	-0.05	0	0	-1	0	0.00	0.0	0.650	0.112	0	0	0	0 P
P	PL.44623	PL.31034	A	1/0EPRJCN	15.12Y	126.0	-0.00	0.00	-0.05	0	0	-1	0	0.00	0.0	0.691	0.041	0	0	0	0 P
	4335145	PL.44623	A	Consumer	15.12Y	126.0	0.00	0.00	0.00	0	0	0	100	0.00	0.0	0.691	0.000	0	0	0	0
	4335138	PL.31034	A	Consumer	15.12Y	126.0	0.00	0.00	0.00	0	0	0	100	0.00	0.0	0.650	0.000	0	0	0	0
	PL.45141	PL.31034	A	2ACSR	15.12Y	126.0	0.00	0.00	0.00	0	0	0	100	0.00	0.0	0.745	0.095	0	0	0	0
	4335147	PL.45141	A	Consumer	15.12Y	126.0	0.00	0.00	0.00	0	0	0	100	0.00	0.0	0.745	0.000	0	0	0	0
	4335137	PL.6697	A	Consumer	15.12Y	126.0	0.00	0.00	0.00	0	0	0	100	0.00	0.0	0.517	0.000	0	0	1	1
	PL.17930	PL.95	A	1/0ACSR	15.12Y	126.0	0.00	0.01	0.08	0	1	0	100	0.04	0.0	0.427	0.059	0	0	0	1
			B		15.10Y	125.9	0.01	0.15	25.42	8	383	26	100					0	0	0	80
			C		15.11Y	125.9	-0.01	0.07	0.66	0	10	1	100					0	0	0	2
	PD.2650	PL.17930	A	50V4E	15.12Y	126.0	0.00	0.01	0.08	0	1	0	100	0.00	0.0	0.427	0.000	0	0	0	1
			B		15.10Y	125.9	0.00	0.15	25.42	51	383	26	100					0	0	0	80
			C		15.11Y	125.9	0.00	0.07	0.66	1	10	1	100					0	0	0	2
	PL.17931	PD.2650	A	1/0ACSR	15.12Y	126.0	0.01	0.01	0.08	0	1	0	100	0.09	0.0	0.553	0.126	0	0	0	1
			B		15.10Y	125.8	0.03	0.18	25.42	8	383	26	100					0	0	0	80
			C		15.11Y	125.9	-0.01	0.05	0.66	0	10	1	100					0	0	0	2
	PL.14306	PL.17931	A	1/0ACSR	15.12Y	126.0	0.00	0.02	0.08	0	1	0	100	0.01	0.0	0.603	0.050	0	0	0	1
			B		15.10Y	125.8	0.01	0.19	14.41	4	217	14	100					0	0	0	38
			C		15.11Y	125.9	-0.00	0.05	0.66	0	10	1	100					0	0	0	2
	4335108	PL.14306	B	Consumer	15.10Y	125.8	0.00	0.19	0.25	0	4	0	100	0.00	0.0	0.603	0.000	4	0	1	1
	4335111	PL.14306	B	Consumer	15.10Y	125.8	0.00	0.19	0.49	0	7	0	100	0.00	0.0	0.603	0.000	7	0	1	1
	4335110	PL.14306	B	Consumer	15.10Y	125.8	0.00	0.19	0.25	0	4	0	100	0.00	0.0	0.603	0.000	4	0	1	1
	4335112	PL.14306	B	Consumer	15.10Y	125.8	0.00	0.19	0.50	0	8	1	99	0.00	0.0	0.603	0.000	8	1	1	1
	4335109	PL.14306	B	Consumer	15.10Y	125.8	0.00	0.19	0.52	0	8	1	99	0.00	0.0	0.603	0.000	8	1	1	1
	4335113	PL.14306	B	Consumer	15.10Y	125.8	0.00	0.19	0.50	0	8	0	100	0.00	0.0	0.603	0.000	8	0	1	1
	PL.14307	PL.14306	A	1/0ACSR	15.12Y	126.0	0.00	0.02	0.08	0	1	0	100	0.01	0.0	0.650	0.047	0	0	0	1
			B		15.10Y	125.8	0.01	0.19	11.90	4	179	12	100					0	0	0	32
			C		15.11Y	126.0	-0.00	0.05	0.66	0	10	1	100					0	0	0	2
	PL.27569	PL.14307	B	4ACSR	15.10Y	125.8	0.00	0.19	2.34	1	35	2	100	0.00	0.0	0.662	0.012	0	0	0	3
	PD.1395	PL.27569	B	fuse6AMP	15.10Y	125.8	0.00	0.19	2.34	40	35	2	100	0.00	0.0	0.662	0.000	0	0	0	3
	PL.27570	PD.1395	B	4ACSR	15.10Y	125.8	0.00	0.19	2.34	1	35	2	100	0.00	0.0	0.709	0.047	0	0	0	3
	PL.6686	PL.27570	B	4ACSR	15.10Y	125.8	0.00	0.19	1.85	1	28	2	100	0.00	0.0	0.710	0.001	0	0	0	2
	PL.23918	PL.6686	B	4ACSR	15.10Y	125.8	0.00	0.20	1.85	1	28	2	100	0.00	0.0	0.740	0.030	0	0	0	2
	PL.2452	PL.23918	B	4ACSR	15.10Y	125.8	0.00	0.20	1.85	1	28	2	100	0.00	0.0	0.830	0.091	0	0	0	2

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: HINKSTON

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
433520	PL.2452	B	Consumer	15.10Y	125.8	0.00	0.20	0.72	0	11	1	100	0.00	0.0	0.830	0.000	11	1	1	1
433568	PL.2452	B	Consumer	15.10Y	125.8	0.00	0.20	1.13	0	17	1	100	0.00	0.0	0.830	0.000	17	1	1	1
433503	PL.27570	B	Consumer	15.10Y	125.8	0.00	0.19	0.48	0	7	0	100	0.00	0.0	0.709	0.000	7	0	1	1
PL.27571	PL.14307	B	4ACSR	15.10Y	125.8	0.00	0.19	8.48	4	128	8	100	0.00	0.0	0.661	0.011	0	0	0	25
C PD.1400	PL.27571	B	fuse6AMP	15.10Y	125.8	0.00	0.19	8.48	145	128	8	100	0.00	0.0	0.661	0.000	0	0	0	25 C
PL.45859	PD.1400	B	4ACSR	15.10Y	125.8	0.00	0.20	8.48	4	128	8	100	0.00	0.0	0.673	0.012	0	0	0	25
4335152	PL.45859	B	Consumer	15.10Y	125.8	0.00	0.20	0.00	0	0	0	100	0.00	0.0	0.673	0.000	0	0	0	0
4335153	4335152	B	Consumer	15.10Y	125.8	0.00	0.20	0.00	0	0	0	100	0.00	0.0	0.673	0.000	0	0	0	0
4335154	PL.45859	B	Consumer	15.10Y	125.8	0.00	0.20	0.00	0	0	0	100	0.00	0.0	0.673	0.000	0	0	0	0
4335155	4335154	B	Consumer	15.10Y	125.8	0.00	0.20	0.00	0	0	0	100	0.00	0.0	0.673	0.000	0	0	0	0
4335151	PL.45859	B	Consumer	15.10Y	125.8	0.00	0.20	0.00	0	0	0	100	0.00	0.0	0.673	0.000	0	0	0	0
4335150	4335151	B	Consumer	15.10Y	125.8	0.00	0.20	0.00	0	0	0	100	0.00	0.0	0.673	0.000	0	0	0	0
PL.45860	PL.45859	B	4ACSR	15.10Y	125.8	0.00	0.20	8.48	4	128	8	100	0.00	0.0	0.699	0.026	0	0	0	25
PL.14308	PL.45860	B	4ACSR	15.10Y	125.8	0.00	0.20	1.27	1	19	1	100	0.00	0.0	0.727	0.028	0	0	0	3
PL.6696	PL.14308	B	4ACSR	15.10Y	125.8	0.00	0.20	0.00	0	0	0	100	0.00	0.0	0.727	0.000	0	0	0	0
433586	PL.14308	B	Consumer	15.10Y	125.8	0.00	0.20	0.52	0	8	1	99	0.00	0.0	0.727	0.000	8	1	1	1
433584	PL.14308	B	Consumer	15.10Y	125.8	0.00	0.20	0.00	0	0	0	100	0.00	0.0	0.727	0.000	0	0	0	0
433587	PL.14308	B	Consumer	15.10Y	125.8	0.00	0.20	0.50	0	8	1	99	0.00	0.0	0.727	0.000	8	1	1	1
4335129	PL.14308	B	Consumer	15.10Y	125.8	0.00	0.20	0.24	0	4	0	100	0.00	0.0	0.727	0.000	4	0	1	1
433585	PL.14308	B	Consumer	15.10Y	125.8	0.00	0.20	0.00	0	0	0	100	0.00	0.0	0.727	0.000	0	0	0	0
433589	PL.45860	B	Consumer	15.10Y	125.8	0.00	0.20	0.48	0	7	0	100	0.00	0.0	0.699	0.000	7	0	1	1
4335156	PL.45860	B	Consumer	15.10Y	125.8	0.00	0.20	0.00	0	0	0	100	0.00	0.0	0.699	0.000	0	0	0	0
4335157	4335156	B	Consumer	15.10Y	125.8	0.00	0.20	0.00	0	0	0	100	0.00	0.0	0.699	0.000	0	0	0	0
4335158	4335157	B	Consumer	15.10Y	125.8	0.00	0.20	0.00	0	0	0	100	0.00	0.0	0.699	0.000	0	0	0	0
4335159	4335158	B	Consumer	15.10Y	125.8	0.00	0.20	0.00	0	0	0	100	0.00	0.0	0.699	0.000	0	0	0	0
433591	PL.45860	B	Consumer	15.10Y	125.8	0.00	0.20	0.38	0	6	0	100	0.00	0.0	0.699	0.000	6	0	1	1
4335104	PL.45860	B	Consumer	15.10Y	125.8	0.00	0.20	0.20	0	3	0	100	0.00	0.0	0.699	0.000	3	0	1	1
433588	PL.45860	B	Consumer	15.10Y	125.8	0.00	0.20	0.41	0	6	0	100	0.00	0.0	0.699	0.000	6	0	1	1
433590	PL.45860	B	Consumer	15.10Y	125.8	0.00	0.20	0.33	0	5	0	100	0.00	0.0	0.699	0.000	5	0	1	1
4335105	PL.45860	B	Consumer	15.10Y	125.8	0.00	0.20	0.28	0	4	0	100	0.00	0.0	0.699	0.000	4	0	1	1
PL.14309	PL.45860	B	4ACSR	15.10Y	125.8	0.00	0.20	5.14	3	77	5	100	0.00	0.0	0.744	0.046	0	0	0	16
PL.14310	PL.14309	B	4ACSR	15.10Y	125.8	0.00	0.21	1.98	1	30	2	100	0.00	0.0	0.768	0.024	0	0	0	8
4335126	PL.14310	B	Consumer	15.10Y	125.8	0.00	0.21	0.07	0	1	0	100	0.00	0.0	0.768	0.000	1	0	1	1
4335127	PL.14310	B	Consumer	15.10Y	125.8	0.00	0.21	0.34	0	5	0	100	0.00	0.0	0.768	0.000	5	0	1	1
4335128	PL.14310	B	Consumer	15.10Y	125.8	0.00	0.21	0.23	0	3	0	100	0.00	0.0	0.768	0.000	3	0	1	1
4335131	PL.14310	B	Consumer	15.10Y	125.8	0.00	0.21	0.28	0	4	0	100	0.00	0.0	0.768	0.000	4	0	1	1
433592	PL.14310	B	Consumer	15.10Y	125.8	0.00	0.21	0.35	0	5	0	100	0.00	0.0	0.768	0.000	5	0	1	1
4335130	PL.14310	B	Consumer	15.10Y	125.8	0.00	0.21	0.17	0	3	0	100	0.00	0.0	0.768	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: HINKSTON

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
433593	PL.14310	B	Consumer	15.10Y	125.8	0.00	0.21	0.30	0	4	0	100	0.00	0.0	0.768	0.000	4	0	1	1
4335125	PL.14310	B	Consumer	15.10Y	125.8	0.00	0.21	0.25	0	4	0	100	0.00	0.0	0.768	0.000	4	0	1	1
4335133	PL.14309	B	Consumer	15.10Y	125.8	0.00	0.20	0.32	0	5	0	100	0.00	0.0	0.744	0.000	5	0	1	1
433597	PL.14309	B	Consumer	15.10Y	125.8	0.00	0.20	0.41	0	6	0	100	0.00	0.0	0.744	0.000	6	0	1	1
433596	PL.14309	B	Consumer	15.10Y	125.8	0.00	0.20	0.58	0	9	1	99	0.00	0.0	0.744	0.000	9	1	1	1
433595	PL.14309	B	Consumer	15.10Y	125.8	0.00	0.20	0.41	0	6	0	100	0.00	0.0	0.744	0.000	6	0	1	1
433594	PL.14309	B	Consumer	15.10Y	125.8	0.00	0.20	0.46	0	7	0	100	0.00	0.0	0.744	0.000	7	0	1	1
4335134	PL.14309	B	Consumer	15.10Y	125.8	0.00	0.20	0.41	0	6	0	100	0.00	0.0	0.744	0.000	6	0	1	1
4335135	PL.14309	B	Consumer	15.10Y	125.8	0.00	0.20	0.27	0	4	0	100	0.00	0.0	0.744	0.000	4	0	1	1
4335132	PL.14309	B	Consumer	15.10Y	125.8	0.00	0.20	0.29	0	4	0	100	0.00	0.0	0.744	0.000	4	0	1	1
4335103	PL.14307	B	Consumer	15.10Y	125.8	0.00	0.19	0.29	0	4	0	100	0.00	0.0	0.650	0.000	4	0	1	1
4335102	PL.14307	B	Consumer	15.10Y	125.8	0.00	0.19	0.27	0	4	0	100	0.00	0.0	0.650	0.000	4	0	1	1
4335149	PL.14307	B	Consumer	15.10Y	125.8	0.00	0.19	0.00	0	0	0	100	0.00	0.0	0.650	0.000	0	0	0	0
PL.14316	PL.14307	A	1/0ACSR	15.12Y	126.0	-0.00	0.02	0.08	0	1	0	100	0.00	0.0	0.844	0.194	0	0	0	1
		B		15.10Y	125.8	0.00	0.19	0.52	0	8	1	100					0	0	0	2
		C		15.11Y	126.0	0.00	0.05	0.66	0	10	1	100					0	0	0	2
PL.14317	PL.14316	A	1/0ACSR	15.12Y	126.0	-0.00	0.02	0.00	0	0	0	100	0.00	0.0	1.052	0.208	0	0	0	0
		B		15.10Y	125.8	0.00	0.19	0.52	0	8	1	100					0	0	0	2
		C		15.11Y	125.9	0.00	0.05	0.66	0	10	1	100					0	0	0	2
PL.14318	PL.14317	A	1/0ACSR	15.12Y	126.0	0.00	0.02	0.00	0	0	0	100	0.00	0.0	1.128	0.075	0	0	0	0
		B		15.10Y	125.8	0.00	0.19	0.52	0	8	1	100					0	0	0	2
		C		15.11Y	125.9	-0.00	0.05	0.00	0	0	0	100					0	0	0	1
PL.14452	PL.14318	A	1/0ACSR	15.12Y	126.0	0.00	0.02	0.00	0	0	0	100	0.00	0.0	1.229	0.101	0	0	0	0
		B		15.10Y	125.8	0.00	0.19	0.52	0	8	1	100					0	0	0	2
		C		15.11Y	126.0	-0.00	0.05	0.00	0	0	0	100					0	0	0	1
PL.14453	PL.14452	A	1/0ACSR	15.12Y	126.0	0.00	0.02	0.00	0	0	0	100	0.00	0.0	1.251	0.023	0	0	0	0
		B		15.10Y	125.8	0.00	0.19	0.52	0	8	1	100					0	0	0	2
		C		15.11Y	126.0	-0.00	0.05	0.00	0	0	0	100					0	0	0	1
PL.18428	PL.14453	B	4ACSR	15.10Y	125.8	0.00	0.19	0.52	0	8	1	99	0.00	0.0	1.263	0.012	0	0	0	2
PD.1398	PL.18428	B	fuse6AMP	15.10Y	125.8	0.00	0.19	0.52	9	8	1	99	0.00	0.0	1.263	0.000	0	0	0	2
PL.18429	PD.1398	B	4ACSR	15.10Y	125.8	0.00	0.20	0.52	0	8	1	99	0.00	0.0	1.313	0.050	0	0	0	2
PL.14454	PL.18429	B	4ACSR	15.10Y	125.8	0.00	0.20	0.52	0	8	1	99	0.00	0.0	1.392	0.079	0	0	0	1
PL.6685	PL.14454	B	4ACSR	15.10Y	125.8	0.00	0.20	0.52	0	8	1	99	0.00	0.0	1.392	0.000	0	0	0	1
434504	PL.6685	B	Consumer	15.10Y	125.8	0.00	0.20	0.52	0	8	1	99	0.00	0.0	1.392	0.000	8	1	1	1
PL.2260	PL.18429	B	4ACSR	15.10Y	125.8	0.00	0.20	0.00	0	0	0	100	0.00	0.0	1.400	0.087	0	0	0	1
434505	PL.2260	B	Consumer	15.10Y	125.8	0.00	0.20	0.00	0	0	0	100	0.00	0.0	1.400	0.000	0	0	1	1
PL.18426	PL.14453	C	4ACSR	15.11Y	126.0	0.00	0.05	0.00	0	0	0	100	0.00	0.0	1.260	0.009	0	0	0	1
PD.1399	PL.18426	C	fuse6AMP	15.11Y	126.0	0.00	0.05	0.00	0	0	0	100	0.00	0.0	1.260	0.000	0	0	0	1
PL.18427	PD.1399	C	4ACSR	15.11Y	126.0	0.00	0.05	0.00	0	0	0	100	0.00	0.0	1.304	0.043	0	0	0	1
433501	PL.18427	C	Consumer	15.11Y	126.0	0.00	0.05	0.00	0	0	0	100	0.00	0.0	1.304	0.000	0	0	1	1
PL.2261	PL.14317	A	1/0ACSR	15.12Y	126.0	-0.00	0.02	0.00	0	0	0	100	0.00	0.0	1.095	0.042	0	0	0	0
		B		15.10Y	125.8	0.00	0.19	0.00	0	0	0	100					0	0	0	0
		C		15.11Y	125.9	0.00	0.05	0.66	0	10	1	100					0	0	0	1
434503	PL.2261	C	Consumer	15.11Y	125.9	0.00	0.05	0.66	0	10	1	100	0.00	0.0	1.095	0.000	10	1	1	1

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Unbalanced Voltage Drop Report
Source: HINKSTON

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.14448	PL.14316	A	4ACSR	15.12Y	126.0	0.00	0.02	0.08	0	1	0	100	0.00	0.0	0.863	0.019	0	0	0	1
PD.1397	PL.14448	A	fuse6AMP	15.12Y	126.0	0.00	0.02	0.08	1	1	0	100	0.00	0.0	0.863	0.000	0	0	0	1
PL.14447	PD.1397	A	4ACSR	15.12Y	126.0	0.00	0.02	0.08	0	1	0	100	0.00	0.0	0.930	0.067	0	0	0	1
433506	PL.14447	A	Consumer	15.12Y	126.0	0.00	0.02	0.08	0	1	0	100	0.00	0.0	0.930	0.000	1	0	1	1
PL.17928	PL.17931	B	4ACSR	15.10Y	125.8	0.00	0.18	9.81	5	148	10	100	0.00	0.0	0.568	0.015	0	0	0	38
PD.2649	PL.17928	B	25E	15.10Y	125.8	0.00	0.18	9.81	39	148	10	100	0.00	0.0	0.568	0.000	0	0	0	38
PL.17929	PD.2649	B	4ACSR	15.10Y	125.8	0.01	0.19	9.81	5	148	10	100	0.01	0.0	0.593	0.025	0	0	0	38
4335122	PL.17929	B	Consumer	15.10Y	125.8	0.00	0.19	0.20	0	3	0	100	0.00	0.0	0.593	0.000	3	0	1	1
4335121	PL.17929	B	Consumer	15.10Y	125.8	0.00	0.19	0.36	0	5	0	100	0.00	0.0	0.593	0.000	5	0	1	1
4335119	PL.17929	B	Consumer	15.10Y	125.8	0.00	0.19	0.43	0	6	0	100	0.00	0.0	0.593	0.000	6	0	1	1
4335118	PL.17929	B	Consumer	15.10Y	125.8	0.00	0.19	0.35	0	5	0	100	0.00	0.0	0.593	0.000	5	0	1	1
PL.14305	PL.17929	B	4ACSR	15.10Y	125.8	0.01	0.19	8.46	4	127	9	100	0.01	0.0	0.627	0.034	0	0	0	34
PL.14449	PL.14305	B	4ACSR	15.10Y	125.8	0.01	0.20	7.81	4	118	8	100	0.01	0.0	0.695	0.068	0	0	0	31
433572	PL.14449	B	Consumer	15.10Y	125.8	0.00	0.20	0.31	0	5	0	100	0.00	0.0	0.695	0.000	5	0	1	1
433575	PL.14449	B	Consumer	15.10Y	125.8	0.00	0.20	0.28	0	4	0	100	0.00	0.0	0.695	0.000	4	0	1	1
433574	PL.14449	B	Consumer	15.10Y	125.8	0.00	0.20	0.24	0	4	0	100	0.00	0.0	0.695	0.000	4	0	1	1
433571	PL.14449	B	Consumer	15.10Y	125.8	0.00	0.20	0.23	0	4	0	100	0.00	0.0	0.695	0.000	4	0	1	1
433576	PL.14449	B	Consumer	15.10Y	125.8	0.00	0.20	0.18	0	3	0	100	0.00	0.0	0.695	0.000	3	0	1	1
433538	PL.14449	B	Consumer	15.10Y	125.8	0.00	0.20	0.00	0	0	0	100	0.00	0.0	0.695	0.000	0	0	0	0
433565	PL.14449	B	Consumer	15.10Y	125.8	0.00	0.20	0.00	0	0	0	100	0.00	0.0	0.695	0.000	0	0	0	0
PL.14450	PL.14449	B	4ACSR	15.09Y	125.8	0.00	0.21	6.57	3	99	7	100	0.00	0.0	0.731	0.036	0	0	0	26
PL.14451	PL.14450	B	4ACSR	15.09Y	125.8	0.00	0.21	2.30	1	35	2	100	0.00	0.0	0.775	0.044	0	0	0	9
433560	PL.14451	B	Consumer	15.09Y	125.8	0.00	0.21	0.36	0	5	0	100	0.00	0.0	0.775	0.000	5	0	1	1
433562	PL.14451	B	Consumer	15.09Y	125.8	0.00	0.21	0.21	0	3	0	100	0.00	0.0	0.775	0.000	3	0	1	1
433563	PL.14451	B	Consumer	15.09Y	125.8	0.00	0.21	0.30	0	5	0	100	0.00	0.0	0.775	0.000	5	0	1	1
433561	PL.14451	B	Consumer	15.09Y	125.8	0.00	0.21	0.14	0	2	0	100	0.00	0.0	0.775	0.000	2	0	1	1
PL.6693	PL.14451	B	4ACSR	15.09Y	125.8	0.00	0.21	1.30	1	20	1	100	0.00	0.0	0.812	0.037	0	0	0	5
433559	PL.6693	B	Consumer	15.09Y	125.8	0.00	0.21	0.28	0	4	0	100	0.00	0.0	0.812	0.000	4	0	1	1
433556	PL.6693	B	Consumer	15.09Y	125.8	0.00	0.21	0.21	0	3	0	100	0.00	0.0	0.812	0.000	3	0	1	1
433558	PL.6693	B	Consumer	15.09Y	125.8	0.00	0.21	0.17	0	3	0	100	0.00	0.0	0.812	0.000	3	0	1	1
433582	PL.6693	B	Consumer	15.09Y	125.8	0.00	0.21	0.08	0	1	0	100	0.00	0.0	0.812	0.000	1	0	1	1
433557	PL.6693	B	Consumer	15.09Y	125.8	0.00	0.21	0.56	0	8	1	99	0.00	0.0	0.812	0.000	8	1	1	1
PL.14313	PL.14450	B	4ACSR	15.09Y	125.8	0.00	0.21	3.62	2	54	4	100	0.00	0.0	0.775	0.044	0	0	0	13
433544	PL.14313	B	Consumer	15.09Y	125.8	0.00	0.21	0.52	0	8	1	99	0.00	0.0	0.775	0.000	8	1	1	1
433543	PL.14313	B	Consumer	15.09Y	125.8	0.00	0.21	0.28	0	4	0	100	0.00	0.0	0.775	0.000	4	0	1	1
PL.6690	PL.14313	B	4ACSR	15.09Y	125.8	0.00	0.21	2.82	1	43	3	100	0.00	0.0	0.827	0.052	0	0	0	11
PL.6691	PL.6690	B	4ACSR	15.09Y	125.8	0.00	0.22	1.48	1	22	1	100	0.00	0.0	0.872	0.045	0	0	0	7
433552	PL.6691	B	Consumer	15.09Y	125.8	0.00	0.22	0.13	0	2	0	100	0.00	0.0	0.872	0.000	2	0	1	1

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

Unbalanced Voltage Drop Report
Source: HINKSTON

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
433549	PL.6691	B	Consumer	15.09Y	125.8	0.00	0.22	0.25	0	4	0	100	0.00	0.0	0.872	0.000	4	0	1	1
433550	PL.6691	B	Consumer	15.09Y	125.8	0.00	0.22	0.33	0	5	0	100	0.00	0.0	0.872	0.000	5	0	1	1
433551	PL.6691	B	Consumer	15.09Y	125.8	0.00	0.22	0.30	0	5	0	100	0.00	0.0	0.872	0.000	5	0	1	1
PL.6692	PL.6691	B	4ACSR	15.09Y	125.8	0.00	0.22	0.46	0	7	0	100	0.00	0.0	0.906	0.034	0	0	0	3
433554	PL.6692	B	Consumer	15.09Y	125.8	0.00	0.22	0.21	0	3	0	100	0.00	0.0	0.906	0.000	3	0	1	1
433553	PL.6692	B	Consumer	15.09Y	125.8	0.00	0.22	0.07	0	1	0	100	0.00	0.0	0.906	0.000	1	0	1	1
433555	PL.6692	B	Consumer	15.09Y	125.8	0.00	0.22	0.18	0	3	0	100	0.00	0.0	0.906	0.000	3	0	1	1
433546	PL.6690	B	Consumer	15.09Y	125.8	0.00	0.21	0.25	0	4	0	100	0.00	0.0	0.827	0.000	4	0	1	1
433547	PL.6690	B	Consumer	15.09Y	125.8	0.00	0.21	0.49	0	7	0	100	0.00	0.0	0.827	0.000	7	0	1	1
433545	PL.6690	B	Consumer	15.09Y	125.8	0.00	0.21	0.38	0	6	0	100	0.00	0.0	0.827	0.000	6	0	1	1
433548	PL.6690	B	Consumer	15.09Y	125.8	0.00	0.21	0.22	0	3	0	100	0.00	0.0	0.827	0.000	3	0	1	1
433566	PL.14450	B	Consumer	15.09Y	125.8	0.00	0.21	0.01	0	0	0	100	0.00	0.0	0.731	0.000	0	0	1	1
433542	PL.14450	B	Consumer	15.09Y	125.8	0.00	0.21	0.27	0	4	0	100	0.00	0.0	0.731	0.000	4	0	1	1
433541	PL.14450	B	Consumer	15.09Y	125.8	0.00	0.21	0.14	0	2	0	100	0.00	0.0	0.731	0.000	2	0	1	1
433570	PL.14450	B	Consumer	15.09Y	125.8	0.00	0.21	0.23	0	4	0	100	0.00	0.0	0.731	0.000	4	0	1	1
4335124	PL.14305	B	Consumer	15.10Y	125.8	0.00	0.19	0.24	0	4	0	100	0.00	0.0	0.627	0.000	4	0	1	1
4335123	PL.14305	B	Consumer	15.10Y	125.8	0.00	0.19	0.37	0	6	0	100	0.00	0.0	0.627	0.000	6	0	1	1
4335136	PL.14305	B	Consumer	15.10Y	125.8	0.00	0.19	0.06	0	1	0	100	0.00	0.0	0.627	0.000	1	0	1	1
4335116	PL.17931	B	Consumer	15.10Y	125.8	0.00	0.18	0.21	0	3	0	100	0.00	0.0	0.553	0.000	3	0	1	1
4335114	PL.17931	B	Consumer	15.10Y	125.8	0.00	0.18	0.26	0	4	0	100	0.00	0.0	0.553	0.000	4	0	1	1
4335115	PL.17931	B	Consumer	15.10Y	125.8	0.00	0.18	0.40	0	6	0	100	0.00	0.0	0.553	0.000	6	0	1	1
4335117	PL.17931	B	Consumer	15.10Y	125.8	0.00	0.18	0.33	0	5	0	100	0.00	0.0	0.553	0.000	5	0	1	1
PL.13671	PL.95	A	1/0ACSR	15.12Y	126.0	0.00	0.00	0.00	0	0	0	100	0.00	0.0	0.369	0.001	0	0	0	0
		B		15.10Y	125.9	0.00	0.13	0.00	0	0	0	100					0	0	0	0
		C		15.11Y	125.9	0.00	0.08	0.00	0	0	0	100					0	0	0	0
433523	PL.42654	A	Consumer	15.12Y	126.0	0.00	-0.00	0.64	0	9	4	91	0.00	0.0	0.081	0.000	9	4	0	0
		B		15.12Y	126.0	0.00	0.02	0.64	0	9	4	90					9	4	0	0
		C		15.12Y	126.0	0.00	0.01	0.64	0	9	4	90					9	4	0	0
PL.42349	HINKSTON	A	336ACSR	15.12Y	126.0	0.01	0.01	154.67	21	2173	864	93	0.23	0.0	0.019	0.019	0	0	0	132
		B		15.12Y	126.0	0.01	0.01	101.04	14	1303	797	85					0	0	0	7
		C		15.12Y	126.0	0.01	0.01	100.09	14	1291	789	85					0	0	0	3
PL.42651	PL.42349	A	336ACSR	15.12Y	126.0	0.00	0.02	154.67	21	2173	864	93	0.08	0.0	0.025	0.006	0	0	0	132
		B		15.12Y	126.0	0.00	0.01	101.04	14	1303	797	85					0	0	0	7
		C		15.12Y	126.0	0.00	0.01	100.09	14	1291	789	85					0	0	0	3
---------- Feeder No. 3 (HINKSTON3) Beginning with Device PD.8109 ----------																				
PD.8109	PL.42651	A	VWVE	15.12Y	126.0	0.00	0.02	154.67	0	2173	863	93	0.00	0.0	0.025	0.000	0	0	0	132
		B		15.12Y	126.0	0.00	0.01	101.04	0	1303	797	85					0	0	0	7
		C		15.12Y	126.0	0.00	0.01	100.09	0	1291	789	85					0	0	0	3
PL.42652	PD.8109	A	336ACSR	15.10Y	125.8	0.13	0.15	154.67	21	2173	863	93	2.36	0.0	0.214	0.189	0	0	0	132
		B		15.11Y	125.9	0.05	0.06	101.04	14	1303	797	85					0	0	0	7
		C		15.10Y	125.9	0.11	0.13	100.09	14	1291	789	85					0	0	0	3
PL.42967	PL.42652	A	4/0ACSR	15.10Y	125.8	0.01	0.16	154.67	33	2172	860	93	0.19	0.0	0.223	0.010	0	0	0	132
		B		15.11Y	125.9	0.00	0.06	101.04	21	1303	796	85					0	0	0	7
		C		15.10Y	125.9	0.01	0.14	100.09	21	1290	788	85					0	0	0	3

Unbalanced Voltage Drop Report
Source: HINKSTON

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PL.42969	PL.42967	A	4/0ACSR	15.10Y	125.8	0.02	0.18	154.67	33	2172	860	93	0.31	0.0	0.239	0.016	0	0	0	132	
		B		15.11Y	125.9	0.01	0.07	101.04	21	1303	796	85					0	0	0	7	
		C		15.10Y	125.9	0.01	0.15	100.09	21	1290	788	85					0	0	0	3	
PL.13681	PL.42969	A	4/0ACSR	15.09Y	125.7	0.09	0.27	154.67	33	2171	859	93	1.78	0.0	0.330	0.091	0	0	0	132	
		B		15.11Y	125.9	0.04	0.11	101.04	21	1303	796	85					0	0	0	7	
		C		15.09Y	125.8	0.07	0.22	100.09	21	1290	788	85					0	0	0	3	
PL.21438	PL.13681	A	1/0ACSR	15.09Y	125.7	0.00	0.27	1.26	0	19	3	99	0.00	0.0	0.380	0.049	0	0	0	0	
		B		15.11Y	125.9	0.00	0.11	1.26	0	19	3	99					0	0	0	0	
		C		15.09Y	125.8	0.00	0.22	1.26	0	19	3	99					0	0	0	0	
PL.21439	PL.21438	A	1/0ACSR	15.09Y	125.7	0.00	0.27	1.26	0	19	3	99	0.00	0.0	0.416	0.037	0	0	0	0	
		B		15.11Y	125.9	0.00	0.11	1.26	0	19	3	99					0	0	0	0	
		C		15.09Y	125.8	0.00	0.22	1.26	0	19	3	99					0	0	0	0	
433598	PL.21439	A	Consumer	15.09Y	125.7	0.00	0.27	1.26	0	19	3	99	0.00	0.0	0.416	0.000	19	3	0	0	
		B		15.11Y	125.9	0.00	0.11	1.26	0	19	3	99					19	3	0	0	
		C		15.09Y	125.8	0.00	0.22	1.26	0	19	3	99					19	3	0	0	
PL.13679	PL.13681	A	4/0ACSR	15.08Y	125.6	0.09	0.36	153.44	33	2152	854	93	1.75	0.0	0.421	0.091	0	0	0	132	
		B		15.10Y	125.9	0.04	0.14	99.88	21	1284	792	85					0	0	0	7	
		C		15.09Y	125.7	0.07	0.29	98.94	21	1271	785	85					0	0	0	3	
PL.13683	PL.13679	A	1/0ACSR	15.08Y	125.6	-0.00	0.36	-0.10	0	0	-2	0	0.00	0.0	0.435	0.014	0	0	0	0	
P		B		15.10Y	125.9	-0.00	0.14	-0.10	0	0	-2	0					0	0	0	0	P
P		C		15.09Y	125.7	-0.00	0.29	-0.10	0	0	-2	0					0	0	0	0	P
PD.1391	PL.13683	A	fuse15AMP	15.08Y	125.6	0.00	0.36	-0.10	1	0	-2	0	0.00	0.0	0.435	0.000	0	0	0	0	
		B		15.10Y	125.9	0.00	0.14	-0.10	1	0	-2	0					0	0	0	0	
		C		15.09Y	125.7	0.00	0.29	-0.10	1	0	-2	0					0	0	0	0	
PL.13684	PD.1391	A	1/0ACSR	15.08Y	125.6	-0.00	0.36	-0.10	0	0	-2	0	0.00	0.0	0.509	0.074	0	0	0	0	
P		B		15.10Y	125.9	-0.00	0.14	-0.10	0	0	-2	0					0	0	0	0	P
P		C		15.09Y	125.7	-0.00	0.29	-0.10	0	0	-2	0					0	0	0	0	P
PL.29470	PL.13684	A	1/0EPRJCN	15.08Y	125.6	-0.00	0.36	-0.10	0	0	-2	0	0.00	0.0	0.521	0.012	0	0	0	0	
P		B		15.10Y	125.9	-0.00	0.14	-0.10	0	0	-2	0					0	0	0	0	P
		C		15.09Y	125.7	-0.00	0.29	-0.10	0	0	-2	0					0	0	0	0	
PD.333-A	PL.29470	A	Closed	15.08Y	125.6	0.00	0.36	-0.09	0	0	-1	0	0.00	0.0	0.521	0.000	0	0	0	0	
P		B		15.10Y	125.9	0.00	0.14	-0.09	0	0	-1	0					0	0	0	0	P
		C		15.09Y	125.7	0.00	0.29	-0.09	0	0	-1	0					0	0	0	0	
PD.333-B	PD.333-A	A	Closed	15.08Y	125.6	0.00	0.36	-0.09	0	0	-1	0	0.00	0.0	0.521	0.000	0	0	0	0	
P		B		15.10Y	125.9	0.00	0.14	-0.09	0	0	-1	0					0	0	0	0	P
		C		15.09Y	125.7	0.00	0.29	-0.09	0	0	-1	0					0	0	0	0	
PL.29539	PD.333-B	A	1/0EPRJCN	15.08Y	125.6	-0.00	0.36	-0.09	0	0	-1	0	0.00	0.0	0.562	0.041	0	0	0	0	
P		B		15.10Y	125.9	-0.00	0.14	-0.09	0	0	-1	0					0	0	0	0	P
		C		15.09Y	125.7	-0.00	0.29	-0.09	0	0	-1	0					0	0	0	0	
PL.29540	PL.29539	A	1/0EPRJCN	15.08Y	125.6	-0.00	0.36	-0.04	0	0	-1	0	0.00	0.0	0.591	0.029	0	0	0	0	
P		B		15.10Y	125.9	-0.00	0.14	-0.04	0	0	-1	0					0	0	0	0	P
		C		15.09Y	125.7	0.00	0.29	-0.04	0	0	-1	0					0	0	0	0	
433527	PL.29540	A	Consumer	15.08Y	125.6	0.00	0.36	0.00	0	0	0	100	0.00	0.0	0.591	0.000	0	0	0	0	
		B		15.10Y	125.9	0.00	0.14	0.00	0	0	0	100					0	0	0	0	
		C		15.09Y	125.7	0.00	0.29	0.00	0	0	0	100					0	0	0	0	
PL.13682	PL.13679	A	4/0ACSR	15.05Y	125.4	0.23	0.58	153.48	33	2151	854	93	4.42	0.1	0.651	0.230	0	0	0	131	
		B		15.09Y	125.8	0.09	0.24	99.93	21	1284	793	85					0	0	0	6	
		C		15.06Y	125.5	0.18	0.46	98.99	21	1270	786	85					0	0	0	2	
PL.1603	PL.13682	A	4/0ACSR	15.05Y	125.4	0.00	0.58	153.48	33	2148	849	93	0.00	0.0	0.651	0.000	0	0	0	131	
		B		15.09Y	125.8	0.00	0.24	99.93	21	1284	792	85					0	0	0	6	
		C		15.06Y	125.5	0.00	0.46	98.99	21	1268	784	85					0	0	0	2	
PL.24699	PL.1603	A	4/0ACSR	15.03Y	125.3	0.13	0.71	153.48	33	2148	849	93	2.57	0.1	0.785	0.134	0	0	0	131	
		B		15.09Y	125.7	0.05	0.29	99.93	21	1284	792	85					0	0	0	6	
		C		15.05Y	125.4	0.10	0.57	98.99	21	1268	784	85					0	0	0	2	
PL.24700	PL.24699	A	4/0ACSR	15.03Y	125.3	0.04	0.75	105.72	22	1522	458	96	0.40	0.0	0.837	0.052	0	0	0	130	
		B		15.08Y	125.7	0.00	0.30	51.19	11	658	404	85					0	0	0	6	
		C		15.05Y	125.4	0.02	0.59	50.14	11	642	396	85					0	0	0	2	

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: HINKSTON

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.23655	PL.24700	A	1/0ACSR	15.03Y	125.2	0.03	0.78	51.11	15	655	401	85	0.36	0.0	0.892	0.054	0	0	0	7
		B		15.08Y	125.7	0.03	0.32	50.69	15	651	400	85					0	0	0	5
		C		15.05Y	125.4	0.03	0.62	50.08	15	641	396	85					0	0	0	2
PL.13685	PL.23655	A	1/0ACSR	15.02Y	125.2	0.02	0.79	51.11	15	655	401	85	0.21	0.0	0.924	0.032	0	0	0	7
		B		15.08Y	125.7	0.02	0.34	50.69	15	651	400	85					0	0	0	5
		C		15.04Y	125.4	0.02	0.63	50.08	15	641	395	85					0	0	0	2
PD.332-A	PL.13685	A	Closed	15.02Y	125.2	0.00	0.79	51.11	0	655	401	85	0.00	0.0	0.924	0.000	0	0	0	7
		B		15.08Y	125.7	0.00	0.34	50.69	0	651	400	85					0	0	0	5
		C		15.04Y	125.4	0.00	0.63	50.08	0	641	395	85					0	0	0	2
PD.332-B	PD.332-A	A	Closed	15.02Y	125.2	0.00	0.79	51.11	0	655	401	85	0.00	0.0	0.924	0.000	0	0	0	7
		B		15.08Y	125.7	0.00	0.34	50.69	0	651	400	85					0	0	0	5
		C		15.04Y	125.4	0.00	0.63	50.08	0	641	395	85					0	0	0	2
PL.13686	PD.332-B	A	1/0ACSR	15.02Y	125.2	0.05	0.84	51.11	15	655	401	85	0.59	0.0	1.013	0.089	0	0	0	7
		B		15.07Y	125.6	0.04	0.38	50.69	15	651	400	85					0	0	0	5
		C		15.04Y	125.3	0.04	0.68	50.08	15	641	395	85					0	0	0	2
PL.13687	PL.13686	A	1/0ACSR	15.02Y	125.1	0.02	0.86	50.16	15	642	395	85	0.30	0.0	1.060	0.047	0	0	0	6
		B		15.07Y	125.6	0.02	0.40	49.61	15	636	393	85					0	0	0	2
		C		15.04Y	125.3	0.02	0.70	49.13	15	628	389	85					0	0	0	1
PL.13688	PL.13687	A	1/0ACSR	15.02Y	125.1	0.00	0.86	1.20	0	17	7	92	0.00	0.0	1.158	0.098	0	0	0	5
		B		15.07Y	125.6	0.00	0.41	0.82	0	11	5	90					0	0	0	1
		C		15.04Y	125.3	0.00	0.70	0.23	0	3	1	90					0	0	0	0
PL.29285	PL.13688	A	4ACSR	15.02Y	125.1	0.00	0.86	0.86	0	12	6	89	0.00	0.0	1.180	0.022	0	0	0	4
433577	PL.29285	A	Consumer	15.02Y	125.1	0.00	0.86	0.07	0	1	0	100	0.00	0.0	1.180	0.000	1	0	1	1
433580	PL.29285	A	Consumer	15.02Y	125.1	0.00	0.86	0.23	0	3	2	83	0.00	0.0	1.180	0.000	3	2	1	1
433579	PL.29285	A	Consumer	15.02Y	125.1	0.00	0.86	0.15	0	2	1	89	0.00	0.0	1.180	0.000	2	1	1	1
433578	PL.29285	A	Consumer	15.02Y	125.1	0.00	0.86	0.42	0	6	3	89	0.00	0.0	1.180	0.000	6	3	1	1
4335146	PL.29285	A	Consumer	15.02Y	125.1	0.00	0.86	0.00	0	0	0	100	0.00	0.0	1.180	0.000	0	0	0	0
PL.6694	PL.13688	A	1/0ACSR	15.02Y	125.1	0.00	0.86	0.23	0	3	1	95	0.00	0.0	1.192	0.034	0	0	0	0
		B		15.07Y	125.6	0.00	0.41	0.82	0	11	5	90					0	0	0	1
		C		15.04Y	125.3	-0.00	0.70	0.23	0	3	1	90					0	0	0	0
PL.6695	PL.6694	A	1/0ACSR	15.02Y	125.1	0.00	0.86	0.23	0	3	1	95	0.00	0.0	1.252	0.060	0	0	0	0
		B		15.07Y	125.6	0.00	0.41	0.23	0	3	1	90					0	0	0	0
		C		15.04Y	125.3	0.00	0.70	0.23	0	3	1	90					0	0	0	0
433569	PL.6695	A	Consumer	15.02Y	125.1	0.00	0.86	0.23	0	3	1	95	0.00	0.0	1.252	0.000	3	1	0	0
		B		15.07Y	125.6	0.00	0.41	0.23	0	3	1	90					3	1	0	0
		C		15.04Y	125.3	0.00	0.70	0.23	0	3	1	90					3	1	0	0
433564	PL.6694	B	Consumer	15.07Y	125.6	0.00	0.41	0.59	0	8	4	89	0.00	0.0	1.192	0.000	8	4	1	1
PL.29286	PL.13688	A	4ACSR	15.02Y	125.1	0.00	0.86	0.12	0	2	0	100	0.00	0.0	1.217	0.059	0	0	0	1
4335101	PL.29286	A	Consumer	15.02Y	125.1	0.00	0.86	0.12	0	2	0	100	0.00	0.0	1.217	0.000	2	0	1	1
4335100	PL.29286	A	Consumer	15.02Y	125.1	0.00	0.86	0.00	0	0	0	100	0.00	0.0	1.217	0.000	0	0	0	0
433529	PL.13687	A	Consumer	15.02Y	125.1	0.00	0.86	0.00	0	0	0	100	0.00	0.0	1.060	0.000	0	0	0	0
		B		15.07Y	125.6	0.00	0.40	0.00	0	0	0	90					0	0	0	0
		C		15.04Y	125.3	0.00	0.70	0.00	0	0	0	90					0	0	0	0
LMS#2	PL.13687	A	Node	15.02Y	125.1	0.00	0.86	48.97	0	625	387	85	0.00	0.0	1.060	0.000	625	387	0	0
		B		15.07Y	125.6	0.00	0.40	48.79	0	625	387	85					625	387	0	0
		C		15.04Y	125.3	0.00	0.70	48.90	0	625	387	85					625	387	0	0
PL.21364	PL.13686	A	1/0ACSR	15.02Y	125.2	0.00	0.84	0.95	0	13	6	91	0.00	0.0	1.085	0.072	0	0	0	1
		B		15.07Y	125.6	0.00	0.38	1.08	0	15	7	90					0	0	0	3
		C		15.04Y	125.3	0.00	0.68	0.95	0	13	6	90					0	0	0	1
PL.21365	PL.21364	A	1/0ACSR	15.02Y	125.2	0.00	0.84	0.95	0	13	6	91	0.00	0.0	1.152	0.066	0	0	0	1
		B		15.07Y	125.6	0.00	0.38	1.08	0	15	7	90					0	0	0	3
		C		15.04Y	125.3	0.00	0.68	0.95	0	13	6	90					0	0	0	1

Unbalanced Voltage Drop Report
Source: HINKSTON

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.13689	PL.21365	A	1/0ACSR	15.02Y	125.2	0.00	0.84	0.36	0	5	2	93	0.00	0.0	1.183	0.031	0	0	0	0
		B		15.07Y	125.6	0.00	0.38	0.49	0	7	3	90					0	0	0	2
		C		15.04Y	125.3	0.00	0.68	0.36	0	5	2	90					0	0	0	0
PL.29284	PL.13689	B	4ACSR	15.07Y	125.6	0.00	0.38	0.14	0	2	1	89	0.00	0.0	1.268	0.085	0	0	0	2
433537	PL.29284	B	Consumer	15.07Y	125.6	0.00	0.38	0.07	0	1	0	100	0.00	0.0	1.268	0.000	1	0	1	1
433536	PL.29284	B	Consumer	15.07Y	125.6	0.00	0.38	0.07	0	1	0	100	0.00	0.0	1.268	0.000	1	0	1	1
433534	PL.13689	B	Consumer	15.07Y	125.6	0.00	0.38	0.00	0	0	0	100	0.00	0.0	1.183	0.000	0	0	0	0
433535	PL.13689	A	Consumer	15.02Y	125.2	0.00	0.84	0.36	0	5	2	93	0.00	0.0	1.183	0.000	5	2	0	0
		B		15.07Y	125.6	0.00	0.38	0.36	0	5	2	90					5	2	0	0
		C		15.04Y	125.3	0.00	0.68	0.36	0	5	2	90					5	2	0	0
PL.29471	PL.21365	A	1/0ACSR	15.02Y	125.2	0.00	0.84	0.59	0	8	4	89	0.00	0.0	1.166	0.014	0	0	0	0
		B		15.07Y	125.6	0.00	0.38	0.59	0	8	4	90					0	0	0	0
		C		15.04Y	125.3	0.00	0.68	0.59	0	8	4	90					0	0	0	0
PD.1401	PL.29471	A	fuse20AMP	15.02Y	125.2	0.00	0.84	0.59	3	8	4	89	0.00	0.0	1.166	0.000	0	0	0	0
		B		15.07Y	125.6	0.00	0.38	0.59	3	8	4	90					0	0	0	0
		C		15.04Y	125.3	0.00	0.68	0.59	3	8	4	90					0	0	0	0
PL.29472	PD.1401	A	1/0ACSR	15.02Y	125.2	0.00	0.84	0.59	0	8	4	89	0.00	0.0	1.248	0.082	0	0	0	0
		B		15.07Y	125.6	0.00	0.38	0.59	0	8	4	90					0	0	0	0
		C		15.04Y	125.3	0.00	0.68	0.59	0	8	4	90					0	0	0	0
433532	PL.29472	A	Consumer	15.02Y	125.2	0.00	0.84	0.59	0	8	4	89	0.00	0.0	1.248	0.000	8	4	0	0
		B		15.07Y	125.6	0.00	0.38	0.59	0	8	4	90					8	4	0	0
		C		15.04Y	125.3	0.00	0.68	0.59	0	8	4	90					8	4	0	0
PL.13690	PL.24700	A	1/0ACSR	15.02Y	125.2	0.08	0.83	57.78	18	867	56	100	0.50	0.1	0.976	0.138	0	0	0	123
		B		15.09Y	125.7	-0.04	0.26	0.51	0	7	3	90					0	0	0	1
		C		15.05Y	125.4	0.02	0.61	0.06	0	1	0	90					0	0	0	0
PL.13692	PL.13690	B	4ACSR	15.09Y	125.7	0.00	0.26	0.45	0	6	3	89	0.00	0.0	0.997	0.021	0	0	0	1
PD.1372	PL.13692	B	fuse6AMP	15.09Y	125.7	0.00	0.26	0.45	8	6	3	89	0.00	0.0	0.997	0.000	0	0	0	1
PL.42264	PD.1372	B	4ACSR	15.09Y	125.7	0.00	0.26	0.45	0	6	3	89	0.00	0.0	1.028	0.031	0	0	0	1
PL.42265	PL.42264	B	4ACSR	15.09Y	125.7	0.00	0.26	0.45	0	6	3	89	0.00	0.0	1.072	0.044	0	0	0	1
433603	PL.42265	B	Consumer	15.09Y	125.7	0.00	0.26	0.45	0	6	3	89	0.00	0.0	1.072	0.000	6	3	1	1
4336004	PL.42264	B	Consumer	15.09Y	125.7	0.00	0.26	0.00	0	0	0	100	0.00	0.0	1.028	0.000	0	0	0	0
PL.42267	PL.13690	A	1/0ACSR	15.02Y	125.2	0.02	0.85	57.78	18	866	56	100	0.12	0.0	1.009	0.033	0	0	0	123
		B		15.09Y	125.8	-0.01	0.25	0.06	0	1	0	90					0	0	0	0
		C		15.05Y	125.4	0.01	0.62	0.06	0	1	0	90					0	0	0	0
PL.45722	PL.42267	A	1/0ACSR	15.02Y	125.1	0.02	0.87	57.78	18	866	56	100	0.13	0.0	1.044	0.035	0	0	0	123
		B		15.09Y	125.8	-0.01	0.24	0.06	0	1	0	90					0	0	0	0
		C		15.05Y	125.4	0.01	0.62	0.06	0	1	0	90					0	0	0	0
PL.45724	PL.45722	C	2ACSR	15.05Y	125.4	0.00	0.62	0.00	0	0	0	100	0.00	0.0	1.051	0.007	0	0	0	0
PD.8676	PL.45724	C	fuse6AMP	15.05Y	125.4	0.00	0.62	0.00	0	0	0	100	0.00	0.0	1.051	0.000	0	0	0	0
PL.45725	PD.8676	C	2ACSR	15.05Y	125.4	0.00	0.62	0.00	0	0	0	100	0.00	0.0	1.083	0.032	0	0	0	0
4336006	PL.45725	C	Consumer	15.05Y	125.4	0.00	0.62	0.00	0	0	0	100	0.00	0.0	1.083	0.000	0	0	0	0
PL.45723	PL.45722	A	1/0ACSR	15.01Y	125.1	0.02	0.89	57.78	18	866	55	100	0.16	0.0	1.088	0.044	0	0	0	123
		B		15.09Y	125.8	-0.01	0.23	0.06	0	1	0	90					0	0	0	0
		C		15.04Y	125.4	0.01	0.63	0.06	0	1	0	90					0	0	0	0
PL.20218	PL.45723	A	4ACSR	15.00Y	125.0	0.08	0.97	57.72	30	865	55	100	0.53	0.1	1.155	0.067	0	0	0	123
C PD.2643	PL.20218	A	50V4E	15.00Y	125.0	0.00	0.97	57.72	115	864	55	100	0.00	0.0	1.155	0.000	0	0	0	123 C
PL.20091	PD.2643	A	4ACSR	14.97Y	124.7	0.31	1.28	57.72	30	864	55	100	2.09	0.2	1.418	0.263	0	0	0	123
PL.29570	PL.20091	A	1/0EPRJCN	14.92Y	124.3	0.38	1.66	57.72	30	862	53	100	2.56	0.3	2.053	0.635	0	0	0	123

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: HINKSTON

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.26363	PL.29570	A	4ACSR	14.82Y	123.5	0.81	2.47	57.78	30	860	64	100	5.41	0.6	2.731	0.678	0	0	0	123
PD.322-A	PL.26363	A	Closed	14.82Y	123.5	0.00	2.47	57.78	0	854	61	100	0.00	0.0	2.731	0.000	0	0	0	123
PD.322-B	PD.322-A	A	Closed	14.82Y	123.5	0.00	2.47	57.78	0	854	61	100	0.00	0.0	2.731	0.000	0	0	0	123
PL.26364	PD.322-B	A	4ACSR	14.82Y	123.5	0.01	2.48	57.78	30	854	61	100	0.07	0.0	2.740	0.008	0	0	0	123
PL.24693	PL.26364	A	4ACSR	14.81Y	123.4	0.09	2.57	57.36	30	848	60	100	0.57	0.1	2.812	0.072	0	0	0	122
433714	PL.24693	A	Consumer	14.81Y	123.4	0.00	2.57	0.24	0	3	0	100	0.00	0.0	2.812	0.000	3	0	1	1
PL.26365	PL.24693	A	4ACSR	14.80Y	123.3	0.12	2.69	56.43	29	834	59	100	0.79	0.1	2.915	0.103	0	0	0	120
PL.26366	PL.26365	A	4ACSR	14.79Y	123.3	0.05	2.74	55.56	29	820	58	100	0.34	0.0	2.961	0.046	0	0	0	118
PL.26367	PL.26366	A	4ACSR	14.78Y	123.1	0.11	2.85	55.29	29	816	57	100	0.70	0.1	3.057	0.096	0	0	0	116
PL.24694	PL.26367	A	4ACSR	14.78Y	123.1	0.00	2.85	0.85	0	13	1	100	0.00	0.0	3.111	0.053	0	0	0	3
PL.24695	PL.24694	A	4ACSR	14.78Y	123.1	-0.00	2.85	0.85	0	13	1	100	0.00	0.0	3.111	0.000	0	0	0	3
433717	PL.24695	A	Consumer	14.78Y	123.1	0.00	2.85	0.32	0	5	0	100	0.00	0.0	3.111	0.000	5	0	1	1
433709	PL.24695	A	Consumer	14.78Y	123.1	0.00	2.85	0.53	0	8	1	99	0.00	0.0	3.111	0.000	8	1	1	1
433711	PL.24695	A	Consumer	14.78Y	123.1	0.00	2.85	0.00	0	0	0	100	0.00	0.0	3.111	0.000	0	0	1	1
PL.26368	PL.26367	A	4ACSR	14.75Y	122.9	0.23	3.08	54.09	28	797	56	100	1.43	0.2	3.262	0.205	0	0	0	112
PL.13327	PL.26368	A	4ACSR	14.75Y	122.9	0.00	3.09	23.25	12	342	24	100	0.01	0.0	3.268	0.006	0	0	0	41
C PD.2645	PL.13327	A	25V4E	14.75Y	122.9	0.00	3.09	23.25	93	342	24	100	0.00	0.0	3.268	0.000	0	0	0	41 C
PL.13328	PD.2645	A	4ACSR	14.72Y	122.7	0.24	3.32	23.25	12	342	24	100	0.64	0.2	3.762	0.493	0	0	0	41
PL.13331	PL.13328	A	4ACSR	14.72Y	122.7	0.00	3.32	0.90	0	13	1	100	0.00	0.0	3.790	0.029	0	0	0	3
PD.1373	PL.13331	A	fuse6AMP	14.72Y	122.7	0.00	3.32	0.90	15	13	1	100	0.00	0.0	3.790	0.000	0	0	0	3
PL.13332	PD.1373	A	4ACSR	14.72Y	122.7	0.00	3.33	0.90	0	13	1	100	0.00	0.0	3.950	0.159	0	0	0	3
PL.13330	PL.13332	A	4ACSR	14.72Y	122.7	0.00	3.33	0.48	0	7	0	100	0.00	0.0	4.096	0.146	0	0	0	1
433705	PL.13330	A	Consumer	14.72Y	122.7	0.00	3.33	0.48	0	7	0	100	0.00	0.0	4.096	0.000	7	0	1	1
PL.1600	PL.13330	A	4ACSR	14.72Y	122.7	0.00	3.33	0.00	0	0	0	100	0.00	0.0	4.225	0.129	0	0	0	0
PL.1601	PL.13332	A	4ACSR	14.72Y	122.7	0.00	3.33	0.42	0	6	0	100	0.00	0.0	4.012	0.062	0	0	0	2
433712	PL.1601	A	Consumer	14.72Y	122.7	0.00	3.33	0.38	0	6	0	100	0.00	0.0	4.012	0.000	6	0	1	1
433713	PL.1601	A	Consumer	14.72Y	122.7	0.00	3.33	0.04	0	1	0	100	0.00	0.0	4.012	0.000	1	0	1	1
433704	PL.13328	A	Consumer	14.72Y	122.7	0.00	3.32	0.52	0	8	1	99	0.00	0.0	3.762	0.000	8	1	1	1
PL.13329	PL.13328	A	4ACSR	14.72Y	122.6	0.04	3.37	21.83	11	321	22	100	0.11	0.0	3.857	0.096	0	0	0	37
433706	PL.13329	A	Consumer	14.72Y	122.6	0.00	3.37	0.00	0	0	0	100	0.00	0.0	3.857	0.000	0	0	1	1
PL.24692	PL.13329	A	4ACSR	14.70Y	122.5	0.10	3.47	21.82	11	320	22	100	0.26	0.1	4.089	0.232	0	0	0	36
PL.13339	PL.24692	A	4ACSR	14.70Y	122.5	0.01	3.48	20.54	11	301	20	100	0.01	0.0	4.103	0.013	0	0	0	34
PD.321-A	PL.13339	A	Closed	14.70Y	122.5	0.00	3.48	20.54	0	301	20	100	0.00	0.0	4.103	0.000	0	0	0	34
PD.321-B	PD.321-A	A	Closed	14.70Y	122.5	0.00	3.48	20.54	0	301	20	100	0.00	0.0	4.103	0.000	0	0	0	34
PL.13340	PD.321-B	A	4ACSR	14.70Y	122.5	0.04	3.52	20.54	11	301	20	100	0.10	0.0	4.204	0.101	0	0	0	34
PL.1599	PL.13340	A	4ACSR	14.70Y	122.5	0.00	3.52	0.04	0	1	0	100	0.00	0.0	4.241	0.037	0	0	0	1
434729	PL.1599	A	Consumer	14.70Y	122.5	0.00	3.52	0.04	0	1	0	100	0.00	0.0	4.241	0.000	1	0	1	1
PL.13337	PL.13340	A	4ACSR	14.69Y	122.4	0.05	3.57	20.49	11	301	20	100	0.13	0.0	4.331	0.127	0	0	0	33

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: HINKSTON

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.13338	PL.13337	A	4ACSR	14.68Y	122.4	0.08	3.65	20.49	11	300	20	100	0.18	0.1	4.512	0.181	0	0	0	33
PL.24698	PL.13338	A	4ACSR	14.68Y	122.3	0.01	3.66	19.56	10	287	19	100	0.03	0.0	4.545	0.033	0	0	0	32
434709	PL.24698	A	Consumer	14.68Y	122.3	0.00	3.66	0.38	0	6	0	100	0.00	0.0	4.545	0.000	6	0	1	1
PL.13341	PL.24698	A	4ACSR	14.68Y	122.3	0.04	3.71	18.64	10	273	18	100	0.09	0.0	4.657	0.112	0	0	0	30
PL.13342	PL.13341	A	4ACSR	14.67Y	122.3	0.01	3.71	8.17	4	120	8	100	0.01	0.0	4.707	0.050	0	0	0	13
PL.13343	PL.13342	A	4ACSR	14.67Y	122.3	0.00	3.72	2.22	1	32	2	100	0.00	0.0	4.719	0.011	0	0	0	3
PL.6497	PL.13343	A	4ACSR	14.67Y	122.3	0.00	3.72	0.78	0	11	1	100	0.00	0.0	4.750	0.031	0	0	0	1
434715	PL.6497	A	Consumer	14.67Y	122.3	0.00	3.72	0.78	0	11	1	100	0.00	0.0	4.750	0.000	11	1	1	1
434707	PL.13343	A	Consumer	14.67Y	122.3	0.00	3.72	0.64	0	9	1	99	0.00	0.0	4.719	0.000	9	1	1	1
434735	PL.13343	A	Consumer	14.67Y	122.3	0.00	3.72	0.79	0	12	1	100	0.00	0.0	4.719	0.000	12	1	1	1
PL.21448	PL.13342	A	4ACSR	14.67Y	122.3	0.01	3.72	5.30	3	78	5	100	0.00	0.0	4.757	0.050	0	0	0	9
434732	PL.21448	A	Consumer	14.67Y	122.3	0.00	3.72	0.54	0	8	1	99	0.00	0.0	4.757	0.000	8	1	1	1
PL.23148	PL.21448	A	4ACSR	14.67Y	122.3	0.00	3.72	4.76	2	70	5	100	0.00	0.0	4.807	0.050	0	0	0	8
PL.2418	PL.23148	A	4ACSR	14.67Y	122.3	0.00	3.73	0.33	0	5	0	100	0.00	0.0	4.853	0.047	0	0	0	1
434718	PL.2418	A	Consumer	14.67Y	122.3	0.00	3.73	0.33	0	5	0	100	0.00	0.0	4.853	0.000	5	0	1	1
PL.6498	PL.23148	A	4ACSR	14.67Y	122.3	0.00	3.73	4.12	2	60	4	100	0.00	0.0	4.856	0.049	0	0	0	6
434711	PL.6498	A	Consumer	14.67Y	122.3	0.00	3.73	0.74	0	11	1	100	0.00	0.0	4.856	0.000	11	1	1	1
434717	PL.6498	A	Consumer	14.67Y	122.3	0.00	3.73	0.84	0	12	1	100	0.00	0.0	4.856	0.000	12	1	1	1
PL.19491	PL.6498	A	4ACSR	14.67Y	122.3	0.00	3.73	2.54	1	37	2	100	0.00	0.0	4.892	0.036	0	0	0	4
PL.19492	PL.19491	A	4ACSR	14.67Y	122.3	0.00	3.73	1.38	1	20	1	100	0.00	0.0	4.948	0.056	0	0	0	2
434726	PL.19492	A	Consumer	14.67Y	122.3	0.00	3.73	0.73	0	11	1	100	0.00	0.0	4.948	0.000	11	1	1	1
434733	PL.19492	A	Consumer	14.67Y	122.3	0.00	3.73	0.66	0	10	1	100	0.00	0.0	4.948	0.000	10	1	1	1
434731	PL.19491	A	Consumer	14.67Y	122.3	0.00	3.73	0.17	0	2	0	100	0.00	0.0	4.892	0.000	2	0	1	1
434720	PL.19491	A	Consumer	14.67Y	122.3	0.00	3.73	0.99	0	15	1	100	0.00	0.0	4.892	0.000	15	1	1	1
434705	PL.23148	A	Consumer	14.67Y	122.3	0.00	3.72	0.31	0	5	0	100	0.00	0.0	4.807	0.000	5	0	1	1
PL.2422	PL.13342	A	4ACSR	14.67Y	122.3	0.00	3.71	0.66	0	10	1	100	0.00	0.0	4.729	0.022	0	0	0	1
434706	PL.2422	A	Consumer	14.67Y	122.3	0.00	3.71	0.66	0	10	1	100	0.00	0.0	4.729	0.000	10	1	1	1
PL.2421	PL.13341	A	4ACSR	14.67Y	122.3	0.01	3.72	8.90	5	130	9	100	0.01	0.0	4.715	0.058	0	0	0	14
434724	PL.2421	A	Consumer	14.67Y	122.3	0.00	3.72	0.33	0	5	0	100	0.00	0.0	4.715	0.000	5	0	1	1
434723	PL.2421	A	Consumer	14.67Y	122.3	0.00	3.72	0.80	0	12	1	100	0.00	0.0	4.715	0.000	12	1	1	1
434719	PL.2421	A	Consumer	14.67Y	122.3	0.00	3.72	0.54	0	8	1	99	0.00	0.0	4.715	0.000	8	1	1	1
PL.1597	PL.2421	A	4ACSR	14.67Y	122.3	0.01	3.73	7.23	4	106	7	100	0.01	0.0	4.786	0.071	0	0	0	11
PL.1598	PL.1597	A	4ACSR	14.67Y	122.3	0.00	3.73	2.75	1	40	3	100	0.00	0.0	4.826	0.040	0	0	0	4
PL.1604	PL.1598	A	4ACSR	14.67Y	122.3	0.00	3.73	0.63	0	9	1	99	0.00	0.0	4.890	0.064	0	0	0	1
434740	PL.1604	A	Consumer	14.67Y	122.3	0.00	3.73	0.63	0	9	1	99	0.00	0.0	4.890	0.000	9	1	1	1
PL.2425	PL.1598	A	4ACSR	14.67Y	122.3	0.00	3.73	0.80	0	12	1	100	0.00	0.0	4.842	0.017	0	0	0	1
PL.1596	PL.2425	A	4ACSR	14.67Y	122.3	0.00	3.73	0.80	0	12	1	100	0.00	0.0	4.862	0.019	0	0	0	1
434716	PL.1596	A	Consumer	14.67Y	122.3	0.00	3.73	0.80	0	12	1	100	0.00	0.0	4.862	0.000	12	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: HINKSTON

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
434737	PL.1598	A	Consumer	14.67Y	122.3	0.00	3.73	0.76	0	11	1	100	0.00	0.0	4.826	0.000	11	1	1	1	
434727	PL.1598	A	Consumer	14.67Y	122.3	0.00	3.73	0.56	0	8	1	99	0.00	0.0	4.826	0.000	8	1	1	1	
4347044	PL.1598	A	Consumer	14.67Y	122.3	0.00	3.73	0.00	0	0	0	100	0.00	0.0	4.826	0.000	0	0	0	0	
PL.19816	PL.1597	A	4ACSR	14.67Y	122.3	0.00	3.73	2.43	1	36	2	100	0.00	0.0	4.832	0.046	0	0	0	3	
434728	PL.19816	A	Consumer	14.67Y	122.3	0.00	3.73	1.19	0	17	1	100	0.00	0.0	4.832	0.000	17	1	1	1	
434721	PL.19816	A	Consumer	14.67Y	122.3	0.00	3.73	0.52	0	8	1	99	0.00	0.0	4.832	0.000	8	1	1	1	
PL.19817	PL.19816	A	4ACSR	14.67Y	122.3	0.00	3.73	0.72	0	10	1	100	0.00	0.0	4.879	0.047	0	0	0	1	
434739	PL.19817	A	Consumer	14.67Y	122.3	0.00	3.73	0.72	0	10	1	100	0.00	0.0	4.879	0.000	10	1	1	1	
434730	PL.1597	A	Consumer	14.67Y	122.3	0.00	3.73	0.63	0	9	1	99	0.00	0.0	4.786	0.000	9	1	1	1	
PL.24702	PL.1597	A	4ACSR	14.67Y	122.3	0.00	3.73	1.41	1	21	1	100	0.00	0.0	4.814	0.029	0	0	0	3	
PL.24703	PL.24702	A	4ACSR	14.67Y	122.3	0.00	3.73	1.02	1	15	1	100	0.00	0.0	4.842	0.028	0	0	0	2	
434741	PL.24703	A	Consumer	14.67Y	122.3	0.00	3.73	0.88	0	13	1	100	0.00	0.0	4.842	0.000	13	1	1	1	
PL.24701	PL.24703	A	4ACSR	14.67Y	122.3	0.00	3.73	0.14	0	2	0	100	0.00	0.0	4.908	0.066	0	0	0	1	
434722	PL.24701	A	Consumer	14.67Y	122.3	0.00	3.73	0.14	0	2	0	100	0.00	0.0	4.908	0.000	2	0	1	1	
434742	PL.24702	A	Consumer	14.67Y	122.3	0.00	3.73	0.39	0	6	0	100	0.00	0.0	4.814	0.000	6	0	1	1	
PL.27812	PL.13341	A	4ACSR	14.68Y	122.3	0.00	3.71	1.57	1	23	2	100	0.00	0.0	4.699	0.042	0	0	0	3	
434714	PL.27812	A	Consumer	14.68Y	122.3	0.00	3.71	0.27	0	4	0	100	0.00	0.0	4.699	0.000	4	0	1	1	
PL.27813	PL.27812	A	4ACSR	14.67Y	122.3	0.00	3.71	1.30	1	19	1	100	0.00	0.0	4.741	0.041	0	0	0	2	
PL.2419	PL.27813	A	4ACSR	14.67Y	122.3	0.00	3.71	0.99	1	14	1	100	0.00	0.0	4.788	0.048	0	0	0	1	
PL.2420	PL.2419	A	4ACSR	14.67Y	122.3	0.00	3.71	0.99	1	14	1	100	0.00	0.0	4.817	0.029	0	0	0	1	
434713	PL.2420	A	Consumer	14.67Y	122.3	0.00	3.71	0.99	0	14	1	100	0.00	0.0	4.817	0.000	14	1	1	1	
434708	PL.27813	A	Consumer	14.67Y	122.3	0.00	3.71	0.31	0	5	0	100	0.00	0.0	4.741	0.000	5	0	1	1	
PL.44248	PL.24698	A	4ACSR	14.68Y	122.3	0.00	3.66	0.54	0	8	1	99	0.00	0.0	4.584	0.039	0	0	0	1	
PL.44249	PL.44248	A	4ACSR	14.68Y	122.3	0.00	3.66	0.54	0	8	1	99	0.00	0.0	4.630	0.047	0	0	0	1	
PL.2423	PL.44249	A	4ACSR	14.68Y	122.3	0.00	3.66	0.00	0	0	0	100	0.00	0.0	4.665	0.034	0	0	0	0	
434734	PL.2423	A	Consumer	14.68Y	122.3	0.00	3.66	0.00	0	0	0	100	0.00	0.0	4.665	0.000	0	0	0	0	
4347043	PL.44249	A	Consumer	14.68Y	122.3	0.00	3.66	0.00	0	0	0	100	0.00	0.0	4.630	0.000	0	0	0	0	
434710	PL.44249	A	Consumer	14.68Y	122.3	0.00	3.66	0.54	0	8	1	99	0.00	0.0	4.630	0.000	8	1	1	1	
434738	PL.13338	A	Consumer	14.68Y	122.4	0.00	3.65	0.93	0	14	1	100	0.00	0.0	4.512	0.000	14	1	1	1	
PL.2424	PL.13337	A	4ACSR	14.69Y	122.4	0.00	3.57	0.00	0	0	0	100	0.00	0.0	4.416	0.086	0	0	0	0	
434736	PL.24692	A	Consumer	14.70Y	122.5	0.00	3.47	0.22	0	3	0	100	0.00	0.0	4.089	0.000	3	0	1	1	
434702	PL.24692	A	Consumer	14.70Y	122.5	0.00	3.47	1.07	0	16	1	100	0.00	0.0	4.089	0.000	16	1	1	1	
PL.13325	PL.26368	A	4ACSR	14.75Y	122.9	0.00	3.09	30.84	16	454	31	100	0.01	0.0	3.268	0.006	0	0	0	71	
C PD.2644	PL.13325	A	25V4E	14.75Y	122.9	0.00	3.09	30.84	123	454	31	100	0.00	0.0	3.268	0.000	0	0	0	71	C
PL.13326	PD.2644	A	4ACSR	14.74Y	122.9	0.04	3.13	30.84	16	454	31	100	0.15	0.0	3.334	0.066	0	0	0	71	
433703	PL.13326	A	Consumer	14.74Y	122.9	0.00	3.13	0.57	0	8	1	99	0.00	0.0	3.334	0.000	8	1	1	1	
PL.24697	PL.13326	A	4ACSR	14.73Y	122.8	0.08	3.21	30.27	16	445	31	100	0.30	0.1	3.469	0.135	0	0	0	70	
PL.24696	PL.24697	A	4ACSR	14.72Y	122.7	0.09	3.31	30.27	16	445	31	100	0.33	0.1	3.619	0.150	0	0	0	69	

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: HINKSTON

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PL.12575	PL.24696	A	4ACSR	14.72Y	122.7	0.02	3.33	23.91	12	351	24	100	0.05	0.0	3.659	0.040	0	0	0	57	
PL.12576	PL.12575	A	4ACSR	14.72Y	122.6	0.03	3.35	23.91	12	351	24	100	0.08	0.0	3.716	0.057	0	0	0	57	
PL.12577	PL.12576	A	4ACSR	14.72Y	122.6	0.02	3.37	22.97	12	337	23	100	0.05	0.0	3.752	0.036	0	0	0	55	
433820	PL.12577	A	Consumer	14.72Y	122.6	0.00	3.37	0.58	0	8	1	99	0.00	0.0	3.752	0.000	8	1	1	1	
PL.1605	PL.12577	A	4ACSR	14.72Y	122.6	0.00	3.37	0.73	0	11	1	100	0.00	0.0	3.829	0.077	0	0	0	1	
433815	PL.1605	A	Consumer	14.72Y	122.6	0.00	3.37	0.73	0	11	1	100	0.00	0.0	3.829	0.000	11	1	1	1	
PL.12574	PL.12577	A	4ACSR	14.71Y	122.6	0.05	3.42	21.65	11	318	22	100	0.11	0.0	3.853	0.101	0	0	0	53	
433823	PL.12574	A	Consumer	14.71Y	122.6	0.00	3.42	1.03	0	15	1	100	0.00	0.0	3.853	0.000	15	1	1	1	
PL.24707	PL.12574	A	4ACSR	14.71Y	122.6	0.02	3.44	20.62	11	303	21	100	0.04	0.0	3.896	0.043	0	0	0	52	
PL.12581	PL.24707	A	4ACSR	14.70Y	122.5	0.06	3.50	20.62	11	303	21	100	0.15	0.1	4.048	0.152	0	0	0	52	
C PD.1362	PL.12581	A	fuse6AMP	14.70Y	122.5	0.00	3.50	20.62	352	302	21	100	0.00	0.0	4.048	0.000	0	0	0	52	C
PL.12580	PD.1362	A	4ACSR	14.70Y	122.5	0.01	3.51	20.62	11	302	21	100	0.02	0.0	4.064	0.017	0	0	0	52	
PL.23652	PL.12580	A	4ACSR	14.70Y	122.5	0.01	3.51	3.51	2	52	3	100	0.00	0.0	4.152	0.087	0	0	0	10	
PL.24705	PL.23652	A	4ACSR	14.70Y	122.5	0.01	3.52	3.51	2	52	3	100	0.00	0.0	4.225	0.073	0	0	0	10	
433827	PL.24705	A	Consumer	14.70Y	122.5	0.00	3.52	0.26	0	4	0	100	0.00	0.0	4.225	0.000	4	0	1	1	
PL.24706	PL.24705	A	4ACSR	14.70Y	122.5	0.00	3.52	3.25	2	48	3	100	0.00	0.0	4.270	0.045	0	0	0	9	
PL.13383	PL.24706	A	4ACSR	14.70Y	122.5	0.01	3.54	3.25	2	48	3	100	0.01	0.0	4.485	0.216	0	0	0	9	
PL.13387	PL.13383	A	4ACSR	14.69Y	122.5	0.01	3.54	2.19	1	32	2	100	0.00	0.0	4.641	0.155	0	0	0	5	
PL.2413	PL.13387	A	4ACSR	14.69Y	122.5	0.00	3.54	1.21	1	18	1	100	0.00	0.0	4.700	0.059	0	0	0	2	
PL.36562	PL.2413	A	2ACSR	14.69Y	122.5	0.00	3.55	0.66	0	10	1	100	0.00	0.0	4.731	0.031	0	0	0	1	
4328023	PL.36562	A	Consumer	14.69Y	122.5	0.00	3.55	0.66	0	10	1	100	0.00	0.0	4.731	0.000	10	1	1	1	
432820	PL.2413	A	Consumer	14.69Y	122.5	0.00	3.54	0.55	0	8	1	99	0.00	0.0	4.700	0.000	8	1	1	1	
PL.13388	PL.13387	A	4ACSR	14.69Y	122.5	0.00	3.54	0.98	1	14	1	100	0.00	0.0	4.666	0.025	0	0	0	3	
PL.13693	PL.13388	A	4ACSR	14.69Y	122.5	0.00	3.55	0.97	1	14	1	100	0.00	0.0	4.773	0.107	0	0	0	2	
PL.13694	PL.13693	A	4ACSR	14.69Y	122.5	0.00	3.55	0.97	1	14	1	100	0.00	0.0	4.812	0.040	0	0	0	2	
PL.24894	PL.13694	A	4ACSR	14.69Y	122.5	0.00	3.55	0.00	0	0	0	100	0.00	0.0	4.874	0.062	0	0	0	0	
PL.13695	PL.13694	A	4ACSR	14.69Y	122.5	0.00	3.55	0.97	1	14	1	100	0.00	0.0	4.900	0.087	0	0	0	2	
PL.6435	PL.13695	A	4ACSR	14.69Y	122.5	0.00	3.55	0.24	0	4	0	100	0.00	0.0	5.100	0.200	0	0	0	1	
PL.6496	PL.6435	A	4ACSR	14.69Y	122.4	0.00	3.55	0.24	0	4	0	100	0.00	0.0	5.192	0.092	0	0	0	1	
432818	PL.6496	A	Consumer	14.69Y	122.4	0.00	3.55	0.24	0	4	0	100	0.00	0.0	5.192	0.000	4	0	1	1	
432817	PL.6435	A	Consumer	14.69Y	122.5	0.00	3.55	0.00	0	0	0	100	0.00	0.0	5.100	0.000	0	0	0	0	
432821	PL.13695	A	Consumer	14.69Y	122.5	0.00	3.55	0.73	0	11	1	100	0.00	0.0	4.900	0.000	11	1	1	1	
432807	PL.13388	A	Consumer	14.69Y	122.5	0.00	3.54	0.01	0	0	0	100	0.00	0.0	4.666	0.000	0	0	1	1	
PL.24893	PL.13383	A	4ACSR	14.70Y	122.5	0.00	3.54	1.06	1	15	1	100	0.00	0.0	4.650	0.165	0	0	0	4	
PL.24892	PL.24893	A	4ACSR	14.70Y	122.5	0.00	3.54	1.06	1	15	1	100	0.00	0.0	4.663	0.013	0	0	0	4	
PL.20957	PL.24892	A	4ACSR	14.70Y	122.5	0.00	3.54	1.06	1	15	1	100	0.00	0.0	4.727	0.064	0	0	0	4	
PL.1609	PL.20957	A	4ACSR	14.69Y	122.5	0.00	3.54	0.45	0	7	0	100	0.00	0.0	4.797	0.071	0	0	0	2	
433826	PL.1609	A	Consumer	14.69Y	122.5	0.00	3.54	0.43	0	6	0	100	0.00	0.0	4.797	0.000	6	0	1	1	

Unbalanced Voltage Drop Report
Source: HINKSTON

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
433813	PL.1609	A	Consumer	14.69Y	122.5	0.00	3.54	0.02	0	0	0	100	0.00	0.0	4.797	0.000	0	0	1	1
433829	PL.20957	A	Consumer	14.70Y	122.5	0.00	3.54	0.45	0	7	0	100	0.00	0.0	4.727	0.000	7	0	1	1
433818	PL.20957	A	Consumer	14.70Y	122.5	0.00	3.54	0.15	0	2	0	100	0.00	0.0	4.727	0.000	2	0	1	1
PL.13736	PL.12580	A	4ACSR	14.70Y	122.5	0.03	3.54	17.11	9	251	17	100	0.06	0.0	4.152	0.088	0	0	0	42
PD.318-A	PL.13736	A	Closed	14.70Y	122.5	0.00	3.54	17.11	0	251	17	100	0.00	0.0	4.152	0.000	0	0	0	42
PD.318-B	PD.318-A	A	Closed	14.70Y	122.5	0.00	3.54	17.11	0	251	17	100	0.00	0.0	4.152	0.000	0	0	0	42
PL.13735	PD.318-B	A	4ACSR	14.69Y	122.5	0.00	3.54	17.11	9	251	17	100	0.01	0.0	4.165	0.013	0	0	0	42
PL.6495	PL.13735	A	4ACSR	14.69Y	122.5	0.00	3.54	1.02	1	15	1	100	0.00	0.0	4.210	0.045	0	0	0	5
432802	PL.6495	A	Consumer	14.69Y	122.5	0.00	3.54	0.22	0	3	0	100	0.00	0.0	4.210	0.000	3	0	1	1
PL.13733	PL.6495	A	4ACSR	14.69Y	122.5	0.00	3.54	0.80	0	12	1	100	0.00	0.0	4.217	0.007	0	0	0	4
PD.1361	PL.13733	A	fuse6AMP	14.69Y	122.5	0.00	3.54	0.80	14	12	1	100	0.00	0.0	4.217	0.000	0	0	0	4
PL.13734	PD.1361	A	4ACSR	14.69Y	122.5	0.00	3.55	0.80	0	12	1	100	0.00	0.0	4.291	0.074	0	0	0	4
PL.2412	PL.13734	A	4ACSR	14.69Y	122.5	0.00	3.55	0.34	0	5	0	100	0.00	0.0	4.334	0.042	0	0	0	1
432813	PL.2412	A	Consumer	14.69Y	122.5	0.00	3.55	0.34	0	5	0	100	0.00	0.0	4.334	0.000	5	0	1	1
PL.12582	PL.13734	A	4ACSR	14.69Y	122.5	0.00	3.55	0.46	0	7	0	100	0.00	0.0	4.454	0.163	0	0	0	3
PL.6494	PL.12582	A	4ACSR	14.69Y	122.5	0.00	3.55	0.27	0	4	0	100	0.00	0.0	4.617	0.163	0	0	0	2
PL.13384	PL.6494	A	4ACSR	14.69Y	122.5	0.00	3.55	0.27	0	4	0	100	0.00	0.0	4.645	0.028	0	0	0	2
PL.13385	PL.13384	A	4ACSR	14.69Y	122.5	0.00	3.55	0.00	0	0	0	100	0.00	0.0	4.800	0.155	0	0	0	0
PL.13386	PL.13385	A	4ACSR	14.69Y	122.5	0.00	3.55	0.00	0	0	0	100	0.00	0.0	5.222	0.421	0	0	0	0
PL.2406	PL.13385	A	4ACSR	14.69Y	122.5	0.00	3.55	0.00	0	0	0	100	0.00	0.0	4.963	0.163	0	0	0	0
PL.2405	PL.13384	A	4ACSR	14.69Y	122.5	0.00	3.55	0.27	0	4	0	100	0.00	0.0	4.686	0.041	0	0	0	2
432705	PL.2405	A	Consumer	14.69Y	122.5	0.00	3.55	0.02	0	0	0	100	0.00	0.0	4.686	0.000	0	0	1	1
432702	PL.2405	A	Consumer	14.69Y	122.5	0.00	3.55	0.25	0	4	0	100	0.00	0.0	4.686	0.000	4	0	1	1
432801	PL.12582	A	Consumer	14.69Y	122.5	0.00	3.55	0.18	0	3	0	100	0.00	0.0	4.454	0.000	3	0	1	1
PL.6499	PL.13735	A	4ACSR	14.68Y	122.3	0.16	3.70	16.07	8	236	16	100	0.29	0.1	4.634	0.469	0	0	0	36
432812	PL.6499	A	Consumer	14.68Y	122.3	0.00	3.70	0.02	0	0	0	100	0.00	0.0	4.634	0.000	0	0	1	1
PL.21449	PL.6499	A	4ACSR	14.67Y	122.2	0.06	3.76	16.05	8	235	16	100	0.12	0.0	4.823	0.188	0	0	0	35
PL.21450	PL.21449	A	4ACSR	14.66Y	122.2	0.07	3.83	15.53	8	227	15	100	0.12	0.1	5.036	0.213	0	0	0	34
PL.13697	PL.21450	A	4ACSR	14.66Y	122.1	0.02	3.85	15.15	8	222	15	100	0.04	0.0	5.115	0.078	0	0	0	33
PL.24896	PL.13697	A	4ACSR	14.66Y	122.1	0.00	3.85	0.00	0	0	0	100	0.00	0.0	5.160	0.045	0	0	0	0
432918	PL.24896	A	Consumer	14.66Y	122.1	0.00	3.85	0.00	0	0	0	100	0.00	0.0	5.160	0.000	0	0	0	0
PL.13696	PL.13697	A	4ACSR	14.66Y	122.1	0.00	3.86	15.15	8	221	15	100	0.00	0.0	5.116	0.002	0	0	0	33
PL.6504	PL.13696	A	4ACSR	14.65Y	122.1	0.04	3.89	14.80	8	216	15	100	0.06	0.0	5.232	0.116	0	0	0	32
432910	PL.6504	A	Consumer	14.65Y	122.1	0.00	3.89	0.35	0	5	0	100	0.00	0.0	5.232	0.000	5	0	1	1
PL.13698	PL.6504	A	4ACSR	14.65Y	122.1	0.03	3.92	14.45	7	211	14	100	0.05	0.0	5.323	0.091	0	0	0	31
PL.24895	PL.13698	A	4ACSR	14.65Y	122.1	0.00	3.92	1.21	1	18	1	100	0.00	0.0	5.386	0.063	0	0	0	3
PL.20954	PL.24895	A	4ACSR	14.65Y	122.1	0.00	3.92	0.69	0	10	1	100	0.00	0.0	5.410	0.024	0	0	0	2
4329041	PL.20954	A	Consumer	14.65Y	122.1	0.00	3.92	0.02	0	0	0	100	0.00	0.0	5.410	0.000	0	0	1	1

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

Unbalanced Voltage Drop Report
Source: HINKSTON

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
432937	PL.20954	A	Consumer	14.65Y	122.1	0.00	3.92	0.66	0	10	1	100	0.00	0.0	5.410	0.000	10	1	1	1
432924	PL.24895	A	Consumer	14.65Y	122.1	0.00	3.92	0.53	0	8	1	99	0.00	0.0	5.386	0.000	8	1	1	1
PL.13699	PL.13698	A	4ACSR	14.65Y	122.1	0.03	3.94	13.24	7	193	13	100	0.04	0.0	5.418	0.095	0	0	0	28
PL.13700	PL.13699	A	4ACSR	14.65Y	122.1	0.00	3.95	2.54	1	37	2	100	0.00	0.0	5.511	0.093	0	0	0	6
PL.21451	PL.13700	A	4ACSR	14.65Y	122.1	0.00	3.95	1.07	1	16	1	100	0.00	0.0	5.524	0.013	0	0	0	1
PD.1368	PL.21451	A	fuse6AMP	14.65Y	122.1	0.00	3.95	1.07	18	16	1	100	0.00	0.0	5.524	0.000	0	0	0	1
PL.21452	PD.1368	A	4ACSR	14.65Y	122.1	0.00	3.95	1.07	1	16	1	100	0.00	0.0	5.558	0.034	0	0	0	1
432933	PL.21452	A	Consumer	14.65Y	122.1	0.00	3.95	1.07	0	16	1	100	0.00	0.0	5.558	0.000	16	1	1	1
PL.13701	PL.13700	A	4ACSR	14.65Y	122.0	0.01	3.96	1.09	1	16	1	100	0.00	0.0	5.858	0.347	0	0	0	2
PL.13792	PL.13701	A	4ACSR	14.64Y	122.0	0.00	3.96	1.09	1	16	1	100	0.00	0.0	6.037	0.179	0	0	0	1
432932	PL.13792	A	Consumer	14.64Y	122.0	0.00	3.96	1.09	0	16	1	100	0.00	0.0	6.037	0.000	16	1	1	1
PL.13793	PL.13792	A	4ACSR	14.64Y	122.0	0.00	3.96	0.00	0	0	0	100	0.00	0.0	6.038	0.001	0	0	0	0
432927	PL.13701	A	Consumer	14.65Y	122.0	0.00	3.96	0.00	0	0	0	100	0.00	0.0	5.858	0.000	0	0	1	1
432935	PL.13700	A	Consumer	14.65Y	122.1	0.00	3.95	0.00	0	0	0	100	0.00	0.0	5.511	0.000	0	0	1	1
432904	PL.13700	A	Consumer	14.65Y	122.1	0.00	3.95	0.33	0	5	0	100	0.00	0.0	5.511	0.000	5	0	1	1
432922	PL.13700	A	Consumer	14.65Y	122.1	0.00	3.95	0.05	0	1	0	100	0.00	0.0	5.511	0.000	1	0	1	1
PL.23653	PL.13699	A	4ACSR	14.64Y	122.0	0.02	3.96	10.70	6	156	10	100	0.02	0.0	5.504	0.086	0	0	0	22
PL.21453	PL.23653	A	4ACSR	14.64Y	122.0	0.05	4.01	10.13	5	148	10	100	0.06	0.0	5.734	0.230	0	0	0	20
PL.23151	PL.21453	A	4ACSR	14.64Y	122.0	0.00	4.01	0.27	0	4	0	100	0.00	0.0	5.793	0.059	0	0	0	3
PL.23152	PL.23151	A	4ACSR	14.64Y	122.0	0.00	4.01	0.26	0	4	0	100	0.00	0.0	5.843	0.050	0	0	0	2
4329040	PL.23152	A	Consumer	14.64Y	122.0	0.00	4.01	0.18	0	3	0	100	0.00	0.0	5.843	0.000	3	0	1	1
432929	PL.23152	A	Consumer	14.64Y	122.0	0.00	4.01	0.00	0	0	0	100	0.00	0.0	5.843	0.000	0	0	0	0
432930	PL.23152	A	Consumer	14.64Y	122.0	0.00	4.01	0.08	0	1	0	100	0.00	0.0	5.843	0.000	1	0	1	1
432931	PL.23151	A	Consumer	14.64Y	122.0	0.00	4.01	0.01	0	0	0	100	0.00	0.0	5.793	0.000	0	0	1	1
432903	PL.21453	A	Consumer	14.64Y	122.0	0.00	4.01	0.88	0	13	1	100	0.00	0.0	5.734	0.000	13	1	1	1
PL.21454	PL.21453	A	4ACSR	14.64Y	122.0	0.02	4.03	8.98	5	131	9	100	0.02	0.0	5.838	0.104	0	0	0	16
PL.2415	PL.21454	A	4ACSR	14.64Y	122.0	0.00	4.03	1.72	1	25	2	100	0.00	0.0	5.890	0.052	0	0	0	2
432938	PL.2415	A	Consumer	14.64Y	122.0	0.00	4.03	0.91	0	13	1	100	0.00	0.0	5.890	0.000	13	1	1	1
432934	PL.2415	A	Consumer	14.64Y	122.0	0.00	4.03	0.81	0	12	1	100	0.00	0.0	5.890	0.000	12	1	1	1
PL.13703	PL.21454	A	4ACSR	14.63Y	122.0	0.01	4.04	7.26	4	106	7	100	0.01	0.0	5.923	0.086	0	0	0	14
PL.13702	PL.13703	A	4ACSR	14.63Y	122.0	0.00	4.05	5.50	3	80	5	100	0.00	0.0	5.952	0.029	0	0	0	12
PL.13668	PL.13702	A	4ACSR	14.63Y	122.0	0.00	4.05	0.00	0	0	0	100	0.00	0.0	6.095	0.143	0	0	0	0
PD.317-A	PL.13668	A	Open	14.63Y	122.0	0.00	4.05	0.00	0	0	0	100	0.00	0.0	6.095	0.000	0	0	0	0
PL.13704	PL.13702	A	4ACSR	14.63Y	122.0	0.00	4.05	5.50	3	80	5	100	0.00	0.0	5.969	0.016	0	0	0	11
C PD.1360	PL.13704	A	fuse6AMP	14.63Y	122.0	0.00	4.05	5.50	94	80	5	100	0.00	0.0	5.969	0.000	0	0	0	11 C
PL.13705	PD.1360	A	4ACSR	14.63Y	121.9	0.04	4.09	5.50	3	80	5	100	0.02	0.0	6.308	0.340	0	0	0	11
PL.24890	PL.13705	A	4ACSR	14.63Y	121.9	0.01	4.10	2.34	1	34	2	100	0.00	0.0	6.572	0.263	0	0	0	4
431911	PL.24890	A	Consumer	14.63Y	121.9	0.00	4.10	0.00	0	0	0	100	0.00	0.0	6.572	0.000	0	0	0	0

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

Unbalanced Voltage Drop Report
Source: HINKSTON

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
431903	PL.24890	A	Consumer	14.63Y	121.9	0.00	4.10	0.86	0	12	1	100	0.00	0.0	6.572	0.000	12	1	1	1
PL.24886	PL.24890	A	4ACSR	14.63Y	121.9	0.01	4.10	1.48	1	22	1	100	0.00	0.0	6.745	0.173	0	0	0	3
PL.24889	PL.24886	A	4ACSR	14.63Y	121.9	0.00	4.11	1.02	1	15	1	100	0.00	0.0	6.792	0.048	0	0	0	1
PL.24887	PL.24889	A	4ACSR	14.63Y	121.9	0.00	4.11	1.02	1	15	1	100	0.00	0.0	6.846	0.054	0	0	0	1
432920	PL.24887	A	Consumer	14.63Y	121.9	0.00	4.11	1.02	0	15	1	100	0.00	0.0	6.846	0.000	15	1	1	1
PL.24888	PL.24886	A	4ACSR	14.63Y	121.9	0.00	4.11	0.46	0	7	0	100	0.00	0.0	6.788	0.044	0	0	0	2
432925	PL.24888	A	Consumer	14.63Y	121.9	0.00	4.11	0.02	0	0	0	100	0.00	0.0	6.788	0.000	0	0	1	1
432921	PL.24888	A	Consumer	14.63Y	121.9	0.00	4.11	0.44	0	6	0	100	0.00	0.0	6.788	0.000	6	0	1	1
PL.13706	PL.13705	A	4ACSR	14.63Y	121.9	0.02	4.11	3.16	2	46	3	100	0.01	0.0	6.596	0.287	0	0	0	7
PL.18179	PL.13706	A	4ACSR	14.63Y	121.9	0.00	4.11	2.39	1	35	2	100	0.00	0.0	6.611	0.016	0	0	0	4
PD.1370	PL.18179	A	fuse6AMP	14.63Y	121.9	0.00	4.11	2.39	41	35	2	100	0.00	0.0	6.611	0.000	0	0	0	4
PL.21045	PD.1370	A	4ACSR	14.63Y	121.9	0.00	4.11	2.39	1	35	2	100	0.00	0.0	6.649	0.038	0	0	0	4
PL.20801	PL.21045	A	4ACSR	14.63Y	121.9	0.00	4.11	2.39	1	35	2	100	0.00	0.0	6.669	0.020	0	0	0	4
PL.23149	PL.20801	A	4ACSR	14.63Y	121.9	0.00	4.11	1.94	1	28	2	100	0.00	0.0	6.686	0.016	0	0	0	3
PL.24891	PL.23149	A	4ACSR	14.63Y	121.9	0.00	4.11	1.94	1	28	2	100	0.00	0.0	6.750	0.064	0	0	0	3
PL.21430	PL.24891	A	4ACSR	14.63Y	121.9	0.00	4.11	0.70	0	10	1	100	0.00	0.0	6.823	0.073	0	0	0	1
PL.21431	PL.21430	A	4ACSR	14.63Y	121.9	0.00	4.11	0.70	0	10	1	100	0.00	0.0	6.898	0.076	0	0	0	1
431909	PL.21431	A	Consumer	14.63Y	121.9	0.00	4.11	0.00	0	0	0	100	0.00	0.0	6.898	0.000	0	0	0	0
PL.21432	PL.21431	A	4ACSR	14.63Y	121.9	0.00	4.11	0.70	0	10	1	100	0.00	0.0	6.939	0.040	0	0	0	1
431914	PL.21432	A	Consumer	14.63Y	121.9	0.00	4.11	0.70	0	10	1	100	0.00	0.0	6.939	0.000	10	1	1	1
PL.20956	PL.21430	A	4ACSR	14.63Y	121.9	0.00	4.11	0.00	0	0	0	100	0.00	0.0	6.874	0.051	0	0	0	0
431912	PL.20956	A	Consumer	14.63Y	121.9	0.00	4.11	0.00	0	0	0	100	0.00	0.0	6.874	0.000	0	0	0	0
PL.39346	PL.24891	A	2ACSR	14.63Y	121.9	0.00	4.11	1.24	0	18	1	100	0.00	0.0	6.770	0.020	0	0	0	2
431907	PL.39346	A	Consumer	14.63Y	121.9	0.00	4.11	0.97	0	14	1	100	0.00	0.0	6.770	0.000	14	1	1	1
431910	PL.39346	A	Consumer	14.63Y	121.9	0.00	4.11	0.27	0	4	0	100	0.00	0.0	6.770	0.000	4	0	1	1
431908	PL.20801	A	Consumer	14.63Y	121.9	0.00	4.11	0.45	0	7	0	100	0.00	0.0	6.669	0.000	7	0	1	1
PL.40855	PL.13706	A	4ACSR	14.63Y	121.9	0.00	4.11	0.76	0	11	1	100	0.00	0.0	6.599	0.003	0	0	0	3
PD.1369	PL.40855	A	fuse6AMP	14.63Y	121.9	0.00	4.11	0.76	13	11	1	100	0.00	0.0	6.599	0.000	0	0	0	3
PL.40858	PD.1369	A	4ACSR	14.63Y	121.9	0.00	4.11	0.76	0	11	1	100	0.00	0.0	6.605	0.005	0	0	0	3
PL.40857	PL.40858	A	2ACSR	14.63Y	121.9	0.00	4.11	0.44	0	6	0	100	0.00	0.0	6.654	0.049	0	0	0	1
4319015	PL.40857	A	Consumer	14.63Y	121.9	0.00	4.11	0.44	0	6	0	100	0.00	0.0	6.654	0.000	6	0	1	1
PL.40859	PL.40858	A	4ACSR	14.63Y	121.9	0.00	4.11	0.32	0	5	0	100	0.00	0.0	6.614	0.009	0	0	0	2
PL.13249	PL.40859	A	4ACSR	14.63Y	121.9	0.00	4.11	0.32	0	5	0	100	0.00	0.0	6.867	0.253	0	0	0	2
PL.6503	PL.13249	A	4ACSR	14.63Y	121.9	0.00	4.11	0.00	0	0	0	100	0.00	0.0	7.077	0.210	0	0	0	1
431905	PL.6503	A	Consumer	14.63Y	121.9	0.00	4.11	0.00	0	0	0	100	0.00	0.0	7.077	0.000	0	0	1	1
431901	PL.13249	A	Consumer	14.63Y	121.9	0.00	4.11	0.32	0	5	0	100	0.00	0.0	6.867	0.000	5	0	1	1
432911	PL.13702	A	Consumer	14.63Y	122.0	0.00	4.05	0.00	0	0	0	100	0.00	0.0	5.952	0.000	0	0	1	1
PL.2417	PL.13703	A	4ACSR	14.63Y	122.0	0.00	4.04	1.76	1	26	2	100	0.00	0.0	5.967	0.044	0	0	0	2

Unbalanced Voltage Drop Report
Source: HINKSTON

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
432912	PL.2417	A	Consumer	14.63Y	122.0	0.00	4.04	1.47	0	21	1	100	0.00	0.0	5.967	0.000	21	1	1	1
432926	PL.2417	A	Consumer	14.63Y	122.0	0.00	4.04	0.30	0	4	0	100	0.00	0.0	5.967	0.000	4	0	1	1
PL.6500	PL.23653	A	4ACSR	14.64Y	122.0	0.00	3.96	0.57	0	8	1	99	0.00	0.0	5.685	0.181	0	0	0	2
PL.6501	PL.6500	A	4ACSR	14.64Y	122.0	0.00	3.96	0.00	0	0	0	100	0.00	0.0	5.752	0.067	0	0	0	1
PL.2414	PL.6501	A	4ACSR	14.64Y	122.0	0.00	3.96	0.00	0	0	0	100	0.00	0.0	5.808	0.056	0	0	0	1
432913	PL.2414	A	Consumer	14.64Y	122.0	0.00	3.96	0.00	0	0	0	100	0.00	0.0	5.808	0.000	0	0	1	1
432907	PL.6500	A	Consumer	14.64Y	122.0	0.00	3.96	0.57	0	8	1	99	0.00	0.0	5.685	0.000	8	1	1	1
432928	PL.13696	A	Consumer	14.66Y	122.1	0.00	3.86	0.35	0	5	0	100	0.00	0.0	5.116	0.000	5	0	1	1
PL.2416	PL.21450	A	4ACSR	14.66Y	122.2	0.00	3.83	0.39	0	6	0	100	0.00	0.0	5.161	0.125	0	0	0	1
432939	PL.2416	A	Consumer	14.66Y	122.2	0.00	3.83	0.39	0	6	0	100	0.00	0.0	5.161	0.000	6	0	1	1
4329042	PL.2416	A	Consumer	14.66Y	122.2	0.00	3.83	0.00	0	0	0	100	0.00	0.0	5.161	0.000	0	0	0	0
PL.20952	PL.21449	A	4ACSR	14.67Y	122.2	0.00	3.76	0.52	0	8	1	99	0.00	0.0	4.867	0.045	0	0	0	1
432809	PL.20952	A	Consumer	14.67Y	122.2	0.00	3.76	0.52	0	8	1	99	0.00	0.0	4.867	0.000	8	1	1	1
432814	PL.13735	A	Consumer	14.69Y	122.5	0.00	3.54	0.01	0	0	0	100	0.00	0.0	4.165	0.000	0	0	1	1
PL.43230	PL.12576	A	2ACSR	14.72Y	122.6	0.00	3.35	0.00	0	0	0	100	0.00	0.0	3.819	0.103	0	0	0	0
4328022	PL.43230	A	Consumer	14.72Y	122.6	0.00	3.35	0.00	0	0	0	100	0.00	0.0	3.819	0.000	0	0	0	0
433831	PL.12576	A	Consumer	14.72Y	122.6	0.00	3.35	0.63	0	9	1	99	0.00	0.0	3.716	0.000	9	1	1	1
433808	PL.12576	A	Consumer	14.72Y	122.6	0.00	3.35	0.31	0	5	0	100	0.00	0.0	3.716	0.000	5	0	1	1
PL.13333	PL.24696	A	4ACSR	14.72Y	122.7	0.01	3.31	6.36	3	93	6	100	0.00	0.0	3.667	0.048	0	0	0	12
433830	PL.13333	A	Consumer	14.72Y	122.7	0.00	3.31	0.98	0	14	1	100	0.00	0.0	3.667	0.000	14	1	1	1
PL.13334	PL.13333	A	4ACSR	14.72Y	122.7	0.00	3.31	5.38	3	79	5	100	0.00	0.0	3.671	0.005	0	0	0	11
PL.13335	PL.13334	A	4ACSR	14.72Y	122.7	0.00	3.31	5.38	3	79	5	100	0.00	0.0	3.674	0.003	0	0	0	11
C PD.1371	PL.13335	A	fuse6AMP	14.72Y	122.7	0.00	3.31	5.38	92	79	5	100	0.00	0.0	3.674	0.000	0	0	0	11 C
PL.21046	PD.1371	A	4ACSR	14.72Y	122.7	0.01	3.32	5.38	3	79	5	100	0.00	0.0	3.727	0.053	0	0	0	11
PL.21047	PL.21046	A	4ACSR	14.72Y	122.7	0.01	3.33	4.90	3	72	5	100	0.00	0.0	3.798	0.071	0	0	0	10
PL.1608	PL.21047	A	4ACSR	14.72Y	122.7	0.00	3.33	0.00	0	0	0	100	0.00	0.0	3.862	0.065	0	0	0	0
433821	PL.1608	A	Consumer	14.72Y	122.7	0.00	3.33	0.00	0	0	0	100	0.00	0.0	3.862	0.000	0	0	0	0
PL.13336	PL.21047	A	4ACSR	14.72Y	122.7	0.01	3.33	4.26	2	63	4	100	0.00	0.0	3.881	0.083	0	0	0	9
433809	PL.13336	A	Consumer	14.72Y	122.7	0.00	3.33	0.00	0	0	0	100	0.00	0.0	3.881	0.000	0	0	0	0
433802	PL.13336	A	Consumer	14.72Y	122.7	0.00	3.33	0.00	0	0	0	100	0.00	0.0	3.881	0.000	0	0	0	0
PL.12571	PL.13336	A	4ACSR	14.72Y	122.6	0.03	3.37	4.26	2	63	4	100	0.02	0.0	4.231	0.351	0	0	0	9
PL.12572	PL.12571	A	4ACSR	14.71Y	122.6	0.01	3.38	2.94	2	43	3	100	0.00	0.0	4.431	0.199	0	0	0	7
PL.12573	PL.12572	A	4ACSR	14.71Y	122.6	0.00	3.38	2.77	1	41	3	100	0.00	0.0	4.499	0.069	0	0	0	5
PL.24704	PL.12573	A	4ACSR	14.71Y	122.6	0.01	3.39	2.13	1	31	2	100	0.00	0.0	4.639	0.139	0	0	0	3
433806	PL.24704	A	Consumer	14.71Y	122.6	0.00	3.39	0.78	0	11	1	100	0.00	0.0	4.639	0.000	11	1	1	1
PL.12578	PL.24704	A	4ACSR	14.71Y	122.6	0.00	3.39	1.35	1	20	1	100	0.00	0.0	4.710	0.071	0	0	0	2
PL.12579	PL.12578	A	4ACSR	14.71Y	122.6	0.00	3.39	0.65	0	10	1	100	0.00	0.0	4.910	0.200	0	0	0	1
433807	PL.12579	A	Consumer	14.71Y	122.6	0.00	3.39	0.65	0	10	1	100	0.00	0.0	4.910	0.000	10	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: HINKSTON

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.1610	PL.12578	A	4ACSR	14.71Y	122.6	0.00	3.39	0.69	0	10	1	100	0.00	0.0	4.783	0.073	0	0	0	1
433828	PL.1610	A	Consumer	14.71Y	122.6	0.00	3.39	0.69	0	10	1	100	0.00	0.0	4.783	0.000	10	1	1	1
PL.45668	PL.1610	A	2ACSR	14.71Y	122.6	0.00	3.39	0.00	0	0	0	100	0.00	0.0	4.990	0.207	0	0	0	0
4338033	PL.45668	A	Consumer	14.71Y	122.6	0.00	3.39	0.00	0	0	0	100	0.00	0.0	4.990	0.000	0	0	0	0
433814	PL.12573	A	Consumer	14.71Y	122.6	0.00	3.38	0.02	0	0	0	100	0.00	0.0	4.499	0.000	0	0	1	1
433816	PL.12573	A	Consumer	14.71Y	122.6	0.00	3.38	0.62	0	9	1	99	0.00	0.0	4.499	0.000	9	1	1	1
PL.1607	PL.12572	A	4ACSR	14.71Y	122.6	0.00	3.38	0.17	0	3	0	100	0.00	0.0	4.484	0.053	0	0	0	2
433822	PL.1607	A	Consumer	14.71Y	122.6	0.00	3.38	0.03	0	1	0	100	0.00	0.0	4.484	0.000	1	0	1	1
433805	PL.1607	A	Consumer	14.71Y	122.6	0.00	3.38	0.14	0	2	0	100	0.00	0.0	4.484	0.000	2	0	1	1
433825	PL.12571	A	Consumer	14.72Y	122.6	0.00	3.37	0.80	0	12	1	100	0.00	0.0	4.231	0.000	12	1	1	1
PL.1606	PL.12571	A	4ACSR	14.72Y	122.6	0.00	3.37	0.52	0	8	1	99	0.00	0.0	4.325	0.094	0	0	0	1
433803	PL.1606	A	Consumer	14.72Y	122.6	0.00	3.37	0.52	0	8	1	99	0.00	0.0	4.325	0.000	8	1	1	1
PL.37632	PL.21047	A	2ACSR	14.72Y	122.7	0.00	3.33	0.64	0	9	1	99	0.00	0.0	3.887	0.090	0	0	0	1
4338032	PL.37632	A	Consumer	14.72Y	122.7	0.00	3.33	0.64	0	9	1	99	0.00	0.0	3.887	0.000	9	1	1	1
433817	PL.21046	A	Consumer	14.72Y	122.7	0.00	3.32	0.48	0	7	0	100	0.00	0.0	3.727	0.000	7	0	1	1
433716	PL.24697	A	Consumer	14.73Y	122.8	0.00	3.21	0.01	0	0	0	100	0.00	0.0	3.469	0.000	0	0	1	1
433710	PL.24697	A	Consumer	14.73Y	122.8	0.00	3.21	0.00	0	0	0	100	0.00	0.0	3.469	0.000	0	0	0	0
433701	PL.26367	A	Consumer	14.78Y	123.1	0.00	2.85	0.35	0	5	0	100	0.00	0.0	3.057	0.000	5	0	1	1
4337021	PL.26366	A	Consumer	14.79Y	123.3	0.00	2.74	0.02	0	0	0	100	0.00	0.0	2.961	0.000	0	0	1	1
433718	PL.26366	A	Consumer	14.79Y	123.3	0.00	2.74	0.24	0	4	0	100	0.00	0.0	2.961	0.000	4	0	1	1
433720	PL.26365	A	Consumer	14.80Y	123.3	0.00	2.69	0.55	0	8	1	99	0.00	0.0	2.915	0.000	8	1	1	1
433719	PL.26365	A	Consumer	14.80Y	123.3	0.00	2.69	0.32	0	5	0	100	0.00	0.0	2.915	0.000	5	0	1	1
PL.40785	PL.24693	A	2ACSR	14.81Y	123.4	0.00	2.57	0.69	0	10	1	100	0.00	0.0	2.859	0.048	0	0	0	1
4337022	PL.40785	A	Consumer	14.81Y	123.4	0.00	2.57	0.69	0	10	1	100	0.00	0.0	2.859	0.000	10	1	1	1
433715	PL.26364	A	Consumer	14.82Y	123.5	0.00	2.48	0.42	0	6	0	100	0.00	0.0	2.740	0.000	6	0	1	1
PL.26361	PL.45723	A	1/0ACSR	15.01Y	125.1	0.00	0.89	0.06	0	1	0	100	0.00	0.0	1.104	0.016	0	0	0	0
		B		15.09Y	125.8	0.00	0.23	0.06	0	1	0	90					0	0	0	0
		C		15.04Y	125.4	0.00	0.63	0.06	0	1	0	90					0	0	0	0
PD.320-A	PL.26361	A	Closed	15.01Y	125.1	0.00	0.89	0.06	0	1	0	100	0.00	0.0	1.104	0.000	0	0	0	0
		B		15.09Y	125.8	0.00	0.23	0.06	0	1	0	90					0	0	0	0
		C		15.04Y	125.4	0.00	0.63	0.06	0	1	0	90					0	0	0	0
PD.320-B	PD.320-A	A	Closed	15.01Y	125.1	0.00	0.89	0.06	0	1	0	100	0.00	0.0	1.104	0.000	0	0	0	0
		B		15.09Y	125.8	0.00	0.23	0.06	0	1	0	90					0	0	0	0
		C		15.04Y	125.4	0.00	0.63	0.06	0	1	0	90					0	0	0	0
PL.26362	PD.320-B	A	1/0ACSR	15.01Y	125.1	0.00	0.89	0.06	0	1	0	100	0.00	0.0	1.148	0.044	0	0	0	0
		B		15.09Y	125.8	0.00	0.23	0.06	0	1	0	90					0	0	0	0
		C		15.04Y	125.4	0.00	0.63	0.06	0	1	0	90					0	0	0	0
433602	PL.26362	A	Consumer	15.01Y	125.1	0.00	0.89	0.06	0	1	0	100	0.00	0.0	1.148	0.000	1	0	0	0
		B		15.09Y	125.8	0.00	0.23	0.06	0	1	0	90					1	0	0	0
		C		15.04Y	125.4	0.00	0.63	0.06	0	1	0	90					1	0	0	0
4336005	PL.42267	A	Consumer	15.02Y	125.2	0.00	0.85	0.00	0	0	0	100	0.00	0.0	1.009	0.000	0	0	0	0
		B		15.09Y	125.8	0.00	0.25	0.00	0	0	0	100					0	0	0	0
		C		15.05Y	125.4	0.00	0.62	0.00	0	0	0	100					0	0	0	0
433601	PL.24699	A	Consumer	15.03Y	125.3	0.00	0.71	0.00	0	0	0	100	0.00	0.0	0.785	0.000	0	0	1	1

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Unbalanced Voltage Drop Report
Source: HINKSTON

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
LMS#1	PL.24699	A	Node	15.03Y	125.3	0.00	0.71	48.91	0	625	387	85	0.00	0.0	0.785	0.000	625	387	0	0
		B		15.09Y	125.7	0.00	0.29	48.74	0	625	387	85					625	387	0	0
		C		15.05Y	125.4	0.00	0.57	48.85	0	625	387	85					625	387	0	0
PL.42968	PL.42967	A	336ACSR	15.10Y	125.8	0.00	0.16	0.00	0	0	0	100	0.00	0.0	0.229	0.005	0	0	0	0
		B		15.11Y	125.9	0.00	0.06	0.00	0	0	0	100					0	0	0	0
		C		15.10Y	125.9	0.00	0.14	0.00	0	0	0	100					0	0	0	0
PD.331-B	PL.42968	A	Open	15.10Y	125.8	0.00	0.16	0.00	0	0	0	100	0.00	0.0	0.229	0.000	0	0	0	0
		B		15.11Y	125.9	0.00	0.06	0.00	0	0	0	100					0	0	0	0
		C		15.10Y	125.9	0.00	0.14	0.00	0	0	0	100					0	0	0	0
PL.29220	HINKSTON	A	397ACSR	15.12Y	126.0	0.00	0.00	8.98	1	125	53	92	0.00	0.0	0.002	0.002	0	0	0	1
		B		15.12Y	126.0	0.00	0.00	12.56	2	174	77	91					0	0	0	5
		C		15.12Y	126.0	0.00	0.00	8.98	1	125	53	92					0	0	0	1
PL.42353	PL.29220	A	336ACSR	15.12Y	126.0	0.00	0.00	8.98	1	125	53	92	0.00	0.0	0.032	0.030	0	0	0	1
		B		15.12Y	126.0	0.00	0.00	12.56	2	174	77	91					0	0	0	5
		C		15.12Y	126.0	0.00	0.00	8.98	1	125	53	92					0	0	0	1
PL.42649	PL.42353	A	336ACSR	15.12Y	126.0	0.00	0.00	8.98	1	125	53	92	0.00	0.0	0.038	0.006	0	0	0	1
		B		15.12Y	126.0	0.00	0.00	12.56	2	174	77	91					0	0	0	5
		C		15.12Y	126.0	0.00	0.00	8.98	1	125	53	92					0	0	0	1
---------- Feeder No. 4 (HINKSTON4) Beginning with Device PD.8108 ----------																				
PD.8108	PL.42649	A	VWVE	15.12Y	126.0	0.00	0.00	8.98	0	125	53	92	0.00	0.0	0.038	0.000	0	0	0	1
		B		15.12Y	126.0	0.00	0.00	12.56	0	174	77	91					0	0	0	5
		C		15.12Y	126.0	0.00	0.00	8.98	0	125	53	92					0	0	0	1
PL.42650	PD.8108	A	336ACSR	15.12Y	126.0	0.00	0.00	8.98	1	125	53	92	0.01	0.0	0.100	0.062	0	0	0	1
		B		15.12Y	126.0	0.00	0.01	12.56	2	174	77	91					0	0	0	5
		C		15.12Y	126.0	0.00	0.00	8.98	1	125	53	92					0	0	0	1
PL.6688	PL.42650	A	1/0ACSR	15.12Y	126.0	0.00	0.01	8.98	3	125	53	92	0.01	0.0	0.153	0.053	0	0	0	1
		B		15.12Y	126.0	0.01	0.01	12.36	4	171	76	91					0	0	0	4
		C		15.12Y	126.0	0.00	0.01	8.98	3	125	53	92					0	0	0	1
PL.13669	PL.6688	A	1/0ACSR	15.12Y	126.0	0.00	0.01	8.98	3	125	53	92	0.01	0.0	0.182	0.029	0	0	0	1
		B		15.12Y	126.0	0.00	0.02	12.36	4	171	76	91					0	0	0	4
		C		15.12Y	126.0	0.00	0.01	8.98	3	125	53	92					0	0	0	1
PL.13670	PL.13669	A	1/0ACSR	15.12Y	126.0	0.00	0.01	3.01	1	39	23	86	0.00	0.0	0.208	0.026	0	0	0	0
		B		15.12Y	126.0	0.00	0.02	3.01	1	39	23	87					0	0	0	0
		C		15.12Y	126.0	0.00	0.01	3.01	1	39	23	87					0	0	0	0
433530	PL.13670	A	Consumer	15.12Y	126.0	0.00	0.01	3.01	0	39	23	86	0.00	0.0	0.208	0.000	39	23	0	0
		B		15.12Y	126.0	0.00	0.02	3.01	0	39	22	87					39	23	0	0
		C		15.12Y	126.0	0.00	0.01	3.01	0	39	22	87					39	23	0	0
PL.37667	PL.13669	A	1/0ACSR	15.12Y	126.0	0.00	0.01	6.00	2	85	31	94	0.00	0.0	0.196	0.014	0	0	0	0
		B		15.12Y	126.0	0.00	0.02	9.38	3	131	53	93					0	0	0	3
		C		15.12Y	126.0	0.00	0.01	6.00	2	85	31	94					0	0	0	0
PL.37668	PL.37667	A	1/0ACSR	15.12Y	126.0	0.00	0.01	6.00	2	85	31	94	0.00	0.0	0.223	0.027	0	0	0	0
		B		15.12Y	126.0	0.00	0.02	6.00	2	85	31	94					0	0	0	0
		C		15.12Y	126.0	0.00	0.01	6.00	2	85	31	94					0	0	0	0
433567	PL.37668	A	Consumer	15.12Y	126.0	0.00	0.01	6.00	0	85	31	94	0.00	0.0	0.223	0.000	85	31	0	0
		B		15.12Y	126.0	0.00	0.02	6.00	0	85	31	94					85	31	0	0
		C		15.12Y	126.0	0.00	0.01	6.00	0	85	31	94					85	31	0	0
4335142	PL.37667	B	Consumer	15.12Y	126.0	0.00	0.02	2.58	0	35	17	90	0.00	0.0	0.196	0.000	35	17	1	1
4335120	PL.37667	B	Consumer	15.12Y	126.0	0.00	0.02	0.44	0	6	3	89	0.00	0.0	0.196	0.000	6	3	1	1
4335141	PL.37667	B	Consumer	15.12Y	126.0	0.00	0.02	0.37	0	5	2	93	0.00	0.0	0.196	0.000	5	2	1	1
433515	PL.42650	B	Consumer	15.12Y	126.0	0.00	0.01	0.20	0	3	1	95	0.00	0.0	0.100	0.000	3	1	1	1
PL.32872	HINKSTON	A	397ACSR	15.12Y	126.0	0.00	0.00	5.33	1	76	26	95	0.00	0.0	0.001	0.001	0	0	0	3
		B		15.12Y	126.0	0.00	0.00	5.33	1	76	26	95					0	0	0	2
		C		15.12Y	126.0	0.00	0.00	5.33	1	76	26	95					0	0	0	2

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: HINKSTON

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.42355	PL.32872	A	397ACSR	15.12Y	126.0	0.00	0.00	5.33	1	76	26	95	0.00	0.0	0.007	0.006	0	0	0	3
		B		15.12Y	126.0	0.00	0.00	5.33	1	76	26	95					0	0	0	2
		C		15.12Y	126.0	0.00	0.00	5.33	1	76	26	95					0	0	0	2
PL.42356	PL.42355	A	397ACSR	15.12Y	126.0	0.00	0.00	5.33	1	76	26	95	0.00	0.0	0.019	0.012	0	0	0	3
		B		15.12Y	126.0	0.00	0.00	5.33	1	76	26	95					0	0	0	2
		C		15.12Y	126.0	0.00	0.00	5.33	1	76	26	95					0	0	0	2
PL.14311	PL.42356	A	1/0ACSR	15.12Y	126.0	0.00	0.00	0.00	0	0	0	100	0.00	0.0	0.020	0.001	0	0	0	0
		B		15.12Y	126.0	0.00	0.00	0.00	0	0	0	100					0	0	0	0
		C		15.12Y	126.0	0.00	0.00	0.00	0	0	0	100					0	0	0	0
PL.42655	PL.42356	A	1/0ACSR	15.12Y	126.0	0.00	0.00	5.33	2	76	26	95	0.00	0.0	0.023	0.004	0	0	0	3
		B		15.12Y	126.0	0.00	0.00	5.33	2	76	26	95					0	0	0	2
		C		15.12Y	126.0	0.00	0.00	5.33	2	76	26	95					0	0	0	2
---------- Feeder No. 1 (HINKSTON1) Beginning with Device PD.8111 ----------																				
PD.8111	PL.42655	A	VWVE	15.12Y	126.0	0.00	0.00	5.33	0	76	26	95	0.00	0.0	0.023	0.000	0	0	0	3
		B		15.12Y	126.0	0.00	0.00	5.33	0	76	26	95					0	0	0	2
		C		15.12Y	126.0	0.00	0.00	5.33	0	76	26	95					0	0	0	2
PL.42656	PD.8111	A	1/0ACSR	15.12Y	126.0	0.00	0.00	5.33	2	76	26	95	0.00	0.0	0.071	0.047	0	0	0	3
		B		15.12Y	126.0	0.00	0.00	5.33	2	76	26	95					0	0	0	2
		C		15.12Y	126.0	0.00	0.00	5.33	2	76	26	95					0	0	0	2
PD.2742-A	PL.42656	A	Closed	15.12Y	126.0	0.00	0.00	5.33	0	76	26	95	0.00	0.0	0.071	0.000	0	0	0	3
		B		15.12Y	126.0	0.00	0.00	5.33	0	76	26	95					0	0	0	2
		C		15.12Y	126.0	0.00	0.00	5.33	0	76	26	95					0	0	0	2
PD.2742-B	PD.2742-A	A	Closed	15.12Y	126.0	0.00	0.00	5.33	0	76	26	95	0.00	0.0	0.071	0.000	0	0	0	3
		B		15.12Y	126.0	0.00	0.00	5.33	0	76	26	95					0	0	0	2
		C		15.12Y	126.0	0.00	0.00	5.33	0	76	26	95					0	0	0	2
PL.21880	PD.2742-B	A	1/0ACSR	15.12Y	126.0	0.00	0.00	5.33	2	76	26	95	0.00	0.0	0.110	0.039	0	0	0	3
		B		15.12Y	126.0	0.00	0.00	5.33	2	76	26	95					0	0	0	2
		C		15.12Y	126.0	0.00	0.00	5.33	2	76	26	95					0	0	0	2
PL.20771	PL.21880	A	1/0ACSR	15.12Y	126.0	0.00	0.01	4.68	1	67	22	95	0.00	0.0	0.154	0.044	0	0	0	2
		B		15.12Y	126.0	0.00	0.01	4.68	1	67	22	95					0	0	0	1
		C		15.12Y	126.0	0.00	0.01	4.68	1	67	22	95					0	0	0	1
PL.20772	PL.20771	A	1/0ACSR	15.12Y	126.0	0.00	0.01	4.51	1	65	21	95	0.00	0.0	0.195	0.041	0	0	0	2
		B		15.12Y	126.0	0.00	0.01	4.51	1	65	21	95					0	0	0	1
		C		15.12Y	126.0	0.00	0.01	4.51	1	65	21	95					0	0	0	1
PL.28393	PL.20772	A	1/0ACSR	15.12Y	126.0	0.00	0.01	0.33	0	5	2	93	0.00	0.0	0.248	0.053	0	0	0	1
		B		15.12Y	126.0	0.00	0.01	0.33	0	5	2	90					0	0	0	0
		C		15.12Y	126.0	0.00	0.01	0.33	0	5	2	90					0	0	0	0
433517	PL.28393	A	Consumer	15.12Y	126.0	0.00	0.01	0.33	0	5	2	93	0.00	0.0	0.248	0.000	5	2	0	0
		B		15.12Y	126.0	0.00	0.01	0.33	0	5	2	90					5	2	0	0
		C		15.12Y	126.0	0.00	0.01	0.33	0	5	2	90					5	2	0	0
PL.21436	PL.28393	A	4ACSR	15.12Y	126.0	0.00	0.01	0.00	0	0	0	100	0.00	0.0	0.281	0.033	0	0	0	1
PL.21437	PL.21436	A	4ACSR	15.12Y	126.0	0.00	0.01	0.00	0	0	0	100	0.00	0.0	0.402	0.121	0	0	0	1
433528	PL.21437	A	Consumer	15.12Y	126.0	0.00	0.01	0.00	0	0	0	100	0.00	0.0	0.402	0.000	0	0	1	1
PL.2263	PL.20772	A	1/0ACSR	15.12Y	126.0	0.00	0.01	4.18	1	60	19	95	0.00	0.0	0.229	0.034	0	0	0	0
		B		15.12Y	126.0	0.00	0.01	4.18	1	60	19	96					0	0	0	0
		C		15.12Y	126.0	0.00	0.01	4.18	1	60	19	96					0	0	0	0
433516	PL.2263	A	Consumer	15.12Y	126.0	0.00	0.01	4.18	0	60	19	95	0.00	0.0	0.229	0.000	60	19	0	0
		B		15.12Y	126.0	0.00	0.01	4.18	0	60	19	96					60	19	0	0
		C		15.12Y	126.0	0.00	0.01	4.18	0	60	19	96					60	19	0	0
PL.40938	PL.20771	B	2ACSR	15.12Y	126.0	0.00	0.01	0.00	0	0	0	100	0.00	0.0	0.163	0.010	0	0	0	0
PD.7298	PL.40938	B	fuse6AMP	15.12Y	126.0	0.00	0.01	0.00	0	0	0	100	0.00	0.0	0.163	0.000	0	0	0	0
PL.40939	PD.7298	B	2ACSR	15.12Y	126.0	0.00	0.01	0.00	0	0	0	100	0.00	0.0	0.172	0.009	0	0	0	0
4335143	PL.40939	B	Consumer	15.12Y	126.0	0.00	0.01	0.00	0	0	0	100	0.00	0.0	0.172	0.000	0	0	0	0

Unbalanced Voltage Drop Report
Source: HINKSTON

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
433522	PL.20771	A	Consumer	15.12Y	126.0	0.00	0.01	0.17	0	2	1	89	0.00	0.0	0.154	0.000	2	1	0	0
		B		15.12Y	126.0	0.00	0.01	0.17	0	2	1	90					2	1	0	0
		C		15.12Y	126.0	0.00	0.01	0.17	0	2	1	90					2	1	0	0
PL.28298	PL.21880	A	1/0ACSR	15.12Y	126.0	0.00	0.01	0.66	0	9	4	91	0.00	0.0	0.180	0.070	0	0	0	1
		B		15.12Y	126.0	0.00	0.01	0.66	0	9	4	90					0	0	0	1
		C		15.12Y	126.0	0.00	0.01	0.66	0	9	4	90					0	0	0	1
PL.28299	PL.28298	A	1/0ACSR	15.12Y	126.0	0.00	0.01	0.66	0	9	4	91	0.00	0.0	0.220	0.040	0	0	0	1
		B		15.12Y	126.0	0.00	0.01	0.66	0	9	4	90					0	0	0	1
		C		15.12Y	126.0	0.00	0.01	0.66	0	9	4	90					0	0	0	1
433583	PL.28299	A	Consumer	15.12Y	126.0	0.00	0.01	0.40	0	5	3	86	0.00	0.0	0.220	0.000	5	3	0	0
		B		15.12Y	126.0	0.00	0.01	0.40	0	5	3	90					5	3	0	0
		C		15.12Y	126.0	0.00	0.01	0.40	0	5	3	90					5	3	0	0
433599	PL.28299	A	Consumer	15.12Y	126.0	0.00	0.01	0.26	0	3	2	83	0.00	0.0	0.220	0.000	3	2	0	0
		B		15.12Y	126.0	0.00	0.01	0.26	0	3	2	90					3	2	0	0
		C		15.12Y	126.0	0.00	0.01	0.26	0	3	2	90					3	2	0	0

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

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	7158	0	0	0	0	0	47	0.00	7204
KVAR	2904	0	0	-38	0	0	54		2920

	Lowest Voltage	Highest Accumulated Voltage Drop	Highest Element Voltage Drop
A-Phase ->	121.89 volts on PL.21432	4.11 volts on PL.21432	0.81 volts on PL.26363
B-Phase ->	125.33 volts on PL.14321	0.67 volts on PL.14321	0.19 volts on PL.14457
C-Phase ->	123.26 volts on PL.20951	2.74 volts on PL.20951	0.18 volts on PL.13682

Unbalanced Voltage Drop Report
Source: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
HOPE		A	HOPE	15.12Y	126.0	0.00	0.00	118.92	0	1782	240	99	0.00	0.0	0.000	0.000	0	0	0	410
		B		15.12Y	126.0	0.00	0.00	147.45	0	2205	332	99					0	0	0	496
		C		15.12Y	126.0	0.00	0.00	144.42	0	2162	309	99					0	0	0	451
PL.28963	HOPE	A	336ACSR	15.12Y	126.0	0.00	0.00	56.05	8	841	103	99	0.05	0.0	0.006	0.006	0	0	0	193
		B		15.12Y	126.0	0.00	0.00	93.84	13	1403	209	99					0	0	0	291
		C		15.12Y	126.0	0.00	0.00	119.01	16	1783	242	99					0	0	0	384
PL.32898	PL.28963	A	336ACSR	15.12Y	126.0	0.00	0.00	56.05	8	841	103	99	0.02	0.0	0.008	0.002	0	0	0	193
		B		15.12Y	126.0	0.00	0.00	93.84	13	1403	209	99					0	0	0	291
		C		15.12Y	126.0	0.00	0.00	119.01	16	1783	241	99					0	0	0	384
---------- Feeder No. 3 (HOPE3) Beginning with Device PD.3910 ----------																				
PD.3910	PL.32898	A	VWVE	15.12Y	126.0	0.00	0.00	56.05	0	841	103	99	0.00	0.0	0.008	0.000	0	0	0	193
		B		15.12Y	126.0	0.00	0.00	93.84	0	1403	209	99					0	0	0	291
		C		15.12Y	126.0	0.00	0.00	119.01	0	1783	241	99					0	0	0	384
PL.32899	PD.3910	A	336ACSR	15.12Y	126.0	0.00	0.00	56.05	8	841	103	99	0.07	0.0	0.017	0.009	0	0	0	193
		B		15.12Y	126.0	0.00	0.01	93.84	13	1403	209	99					0	0	0	291
		C		15.12Y	126.0	0.00	0.01	119.01	16	1783	241	99					0	0	0	384
PD.191-A	PL.32899	A	Closed	15.12Y	126.0	0.00	0.00	56.05	0	841	103	99	0.00	0.0	0.017	0.000	0	0	0	193
		B		15.12Y	126.0	0.00	0.01	93.84	0	1403	209	99					0	0	0	291
		C		15.12Y	126.0	0.00	0.01	119.01	0	1783	241	99					0	0	0	384
PD.191-B	PD.191-A	A	Closed	15.12Y	126.0	0.00	0.00	56.05	0	841	103	99	0.00	0.0	0.017	0.000	0	0	0	193
		B		15.12Y	126.0	0.00	0.01	93.84	0	1403	209	99					0	0	0	291
		C		15.12Y	126.0	0.00	0.01	119.01	0	1783	241	99					0	0	0	384
PL.27722	PD.191-B	A	336ACSR	15.12Y	126.0	0.00	0.00	56.05	8	841	103	99	0.10	0.0	0.031	0.014	0	0	0	193
		B		15.12Y	126.0	0.01	0.01	93.84	13	1403	209	99					0	0	0	291
		C		15.12Y	126.0	0.00	0.01	119.01	16	1783	241	99					0	0	0	384
553603	PL.27722	A	Consumer	15.12Y	126.0	0.00	0.00	0.00	0	0	0	100	0.00	0.0	0.031	0.000	0	0	0	0
553604	PL.27722	A	Consumer	15.12Y	126.0	0.00	0.00	0.00	0	0	0	100	0.00	0.0	0.031	0.000	0	0	0	0
553601	PL.27722	A	Consumer	15.12Y	126.0	0.00	0.00	0.11	0	2	0	100	0.00	0.0	0.031	0.000	2	0	1	1
PL.11931	PL.27722	A	336ACSR	15.12Y	126.0	0.00	0.00	55.94	8	840	102	99	0.19	0.0	0.056	0.025	0	0	0	192
		B		15.12Y	126.0	0.01	0.03	93.84	13	1403	209	99					0	0	0	291
		C		15.12Y	126.0	0.01	0.02	119.01	16	1783	241	99					0	0	0	384
PL.11932	PL.11931	A	336ACSR	15.12Y	126.0	0.00	0.00	55.94	8	840	102	99	0.30	0.0	0.096	0.040	0	0	0	192
		B		15.11Y	126.0	0.02	0.05	93.84	13	1403	209	99					0	0	0	291
		C		15.12Y	126.0	0.01	0.03	119.01	16	1783	241	99					0	0	0	384
PL.11936	PL.11932	A	336ACSR	15.12Y	126.0	0.00	0.00	55.71	8	836	102	99	0.67	0.0	0.185	0.089	0	0	0	191
		B		15.11Y	125.9	0.04	0.09	93.84	13	1403	208	99					0	0	0	291
		C		15.11Y	125.9	0.03	0.06	119.01	16	1783	240	99					0	0	0	384
PL.11938	PL.11936	A	4ACSR	15.12Y	126.0	0.00	0.00	0.23	0	3	0	100	0.00	0.0	0.191	0.005	0	0	0	2
PD.2542	PL.11938	A	fuse6AMP	15.12Y	126.0	0.00	0.00	0.23	4	3	0	100	0.00	0.0	0.191	0.000	0	0	0	2
PL.11478	PD.2542	A	4ACSR	15.12Y	126.0	0.00	0.00	0.23	0	3	0	100	0.00	0.0	0.213	0.023	0	0	0	2
552602	PL.11478	A	Consumer	15.12Y	126.0	0.00	0.00	0.04	0	1	0	100	0.00	0.0	0.213	0.000	1	0	1	1
552601	PL.11478	A	Consumer	15.12Y	126.0	0.00	0.00	0.19	0	3	0	100	0.00	0.0	0.213	0.000	3	0	1	1
PL.11937	PL.11936	A	336ACSR	15.12Y	126.0	0.00	0.00	55.48	8	833	102	99	0.54	0.0	0.257	0.072	0	0	0	189
		B		15.11Y	125.9	0.03	0.12	93.84	13	1403	208	99					0	0	0	291
		C		15.11Y	125.9	0.02	0.08	119.01	16	1783	239	99					0	0	0	384
PL.7391	PL.11937	A	336ACSR	15.12Y	126.0	0.00	0.00	55.48	8	833	101	99	1.05	0.0	0.398	0.141	0	0	0	189
		B		15.10Y	125.8	0.07	0.19	93.84	13	1402	208	99					0	0	0	291
		C		15.10Y	125.9	0.04	0.13	118.36	16	1773	237	99					0	0	0	380
PL.26928	PL.7391	A	336ACSR	15.12Y	126.0	0.00	0.01	55.48	8	833	101	99	0.32	0.0	0.441	0.043	0	0	0	189
		B		15.10Y	125.8	0.02	0.21	93.58	13	1398	206	99					0	0	0	288
		C		15.10Y	125.9	0.01	0.14	118.36	16	1772	236	99					0	0	0	380

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: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.26929	PL.26928	A	336ACSR	15.12Y	126.0	0.00	0.01	55.48	8	833	101	99	0.58	0.0	0.519	0.078	0	0	0	189
		B		15.09Y	125.8	0.04	0.25	93.58	13	1397	206	99					0	0	0	288
		C		15.10Y	125.8	0.02	0.16	118.36	16	1772	235	99					0	0	0	380
PL.11481	PL.26929	A	336ACSR	15.12Y	126.0	0.00	0.01	55.48	8	833	101	99	0.00	0.0	0.519	0.000	0	0	0	189
		B		15.09Y	125.8	0.00	0.25	93.58	13	1397	206	99					0	0	0	288
		C		15.10Y	125.8	0.00	0.16	118.27	16	1771	234	99					0	0	0	379
PL.11482	PL.11481	A	336ACSR	15.12Y	126.0	0.00	0.01	55.48	8	833	101	99	0.82	0.0	0.631	0.112	0	0	0	189
		B		15.08Y	125.7	0.05	0.30	93.58	13	1397	206	99					0	0	0	288
		C		15.10Y	125.8	0.03	0.20	117.19	16	1755	230	99					0	0	0	375
PL.3542	PL.11482	C	4ACSR	15.10Y	125.8	0.00	0.20	0.34	0	5	1	98	0.00	0.0	0.684	0.053	0	0	0	3
550306	PL.3542	C	Consumer	15.10Y	125.8	0.00	0.20	0.04	0	1	0	100	0.00	0.0	0.684	0.000	1	0	1	1
550308	PL.3542	C	Consumer	15.10Y	125.8	0.00	0.20	0.30	0	4	0	100	0.00	0.0	0.684	0.000	4	0	1	1
550309	PL.3542	C	Consumer	15.10Y	125.8	0.00	0.20	0.01	0	0	0	100	0.00	0.0	0.684	0.000	0	0	1	1
550307	PL.3542	C	Consumer	15.10Y	125.8	0.00	0.20	0.00	0	0	0	100	0.00	0.0	0.684	0.000	0	0	0	0
PL.11483	PL.11482	B	4ACSR	15.08Y	125.7	0.00	0.30	1.73	1	26	3	99	0.00	0.0	0.638	0.007	0	0	0	8
PL.20721	PL.11483	B	4ACSR	15.08Y	125.7	0.00	0.30	1.73	1	26	3	99	0.00	0.0	0.652	0.014	0	0	0	8
PD.3490	PL.20721	B	fuse6AMP	15.08Y	125.7	0.00	0.30	1.73	30	26	3	99	0.00	0.0	0.652	0.000	0	0	0	8
PL.20722	PD.3490	B	4ACSR	15.08Y	125.7	0.00	0.30	1.73	1	26	3	99	0.00	0.0	0.673	0.021	0	0	0	8
550207	PL.20722	B	Consumer	15.08Y	125.7	0.00	0.30	0.41	0	6	1	99	0.00	0.0	0.673	0.000	6	1	1	1
550206	PL.20722	B	Consumer	15.08Y	125.7	0.00	0.30	0.30	0	5	1	98	0.00	0.0	0.673	0.000	5	1	1	1
550201	PL.20722	B	Consumer	15.08Y	125.7	0.00	0.30	0.30	0	5	1	98	0.00	0.0	0.673	0.000	5	1	1	1
550202	PL.20722	B	Consumer	15.08Y	125.7	0.00	0.30	0.00	0	0	0	100	0.00	0.0	0.673	0.000	0	0	0	0
PL.7390	PL.20722	B	4ACSR	15.08Y	125.7	0.00	0.30	0.71	0	11	1	100	0.00	0.0	0.722	0.049	0	0	0	5
PL.3537	PL.7390	B	4ACSR	15.08Y	125.7	0.00	0.30	0.00	0	0	0	100	0.00	0.0	0.757	0.035	0	0	0	2
551202	PL.3537	B	Consumer	15.08Y	125.7	0.00	0.30	0.00	0	0	0	100	0.00	0.0	0.757	0.000	0	0	1	1
551101	PL.3537	B	Consumer	15.08Y	125.7	0.00	0.30	0.00	0	0	0	100	0.00	0.0	0.757	0.000	0	0	1	1
551203	PL.3537	B	Consumer	15.08Y	125.7	0.00	0.30	0.00	0	0	0	100	0.00	0.0	0.757	0.000	0	0	0	0
PL.3539	PL.7390	B	4ACSR	15.08Y	125.7	0.00	0.30	0.71	0	11	1	100	0.00	0.0	0.755	0.033	0	0	0	3
550203	PL.3539	B	Consumer	15.08Y	125.7	0.00	0.30	0.18	0	3	0	100	0.00	0.0	0.755	0.000	3	0	1	1
550205	PL.3539	B	Consumer	15.08Y	125.7	0.00	0.30	0.36	0	5	1	98	0.00	0.0	0.755	0.000	5	1	1	1
550204	PL.3539	B	Consumer	15.08Y	125.7	0.00	0.30	0.17	0	3	0	100	0.00	0.0	0.755	0.000	3	0	1	1
PL.11265	PL.11482	A	336ACSR	15.12Y	126.0	0.00	0.01	55.48	8	833	101	99	0.45	0.0	0.694	0.063	0	0	0	189
		B		15.08Y	125.7	0.03	0.33	91.85	13	1371	202	99					0	0	0	280
		C		15.09Y	125.8	0.02	0.22	116.85	16	1749	229	99					0	0	0	372
PL.11266	PL.11265	A	336ACSR	15.12Y	126.0	0.00	0.01	54.81	8	823	100	99	0.05	0.0	0.700	0.007	0	0	0	185
		B		15.08Y	125.7	0.00	0.33	91.85	13	1370	202	99					0	0	0	280
		C		15.09Y	125.8	0.00	0.22	116.85	16	1749	228	99					0	0	0	372
PL.12830	PL.11266	A	336ACSR	15.12Y	126.0	0.00	0.01	54.81	8	823	100	99	0.48	0.0	0.766	0.066	0	0	0	185
		B		15.08Y	125.6	0.03	0.36	91.85	13	1370	202	99					0	0	0	280
		C		15.09Y	125.8	0.02	0.24	116.85	16	1749	228	99					0	0	0	372
PL.12831	PL.12830	A	336ACSR	15.12Y	126.0	0.00	0.01	54.81	8	823	100	99	0.40	0.0	0.822	0.055	0	0	0	185
		B		15.07Y	125.6	0.03	0.39	91.85	13	1370	202	99					0	0	0	280
		C		15.09Y	125.7	0.02	0.26	116.85	16	1749	227	99					0	0	0	372
PL.12832	PL.12831	A	4ACSR	15.12Y	126.0	0.00	0.01	5.31	3	80	9	99	0.00	0.0	0.827	0.005	0	0	0	24
PD.2661	PL.12832	A	35V4E	15.12Y	126.0	0.00	0.01	5.31	15	80	9	99	0.00	0.0	0.827	0.000	0	0	0	24

Unbalanced Voltage Drop Report
Source: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.12833	PD.2661	A	4ACSR	15.12Y	126.0	0.00	0.02	5.31	3	80	9	99	0.00	0.0	0.865	0.038	0	0	0	24
PL.26926	PL.12833	A	4ACSR	15.11Y	126.0	0.03	0.04	5.31	3	80	9	99	0.02	0.0	1.121	0.256	0	0	0	24
PL.26931	PL.26926	A	4ACSR	15.11Y	125.9	0.01	0.05	5.31	3	80	9	99	0.01	0.0	1.219	0.098	0	0	0	24
PL.6472	PL.26931	A	4ACSR	15.11Y	125.9	0.00	0.05	0.00	0	0	0	100	0.00	0.0	1.219	0.000	0	0	0	0
448406	PL.26931	A	Consumer	15.11Y	125.9	0.00	0.05	0.00	0	0	0	100	0.00	0.0	1.219	0.000	0	0	0	0
448402	PL.26931	A	Consumer	15.11Y	125.9	0.00	0.05	0.10	0	1	0	100	0.00	0.0	1.219	0.000	1	0	1	1
448407	PL.26931	A	Consumer	15.11Y	125.9	0.00	0.05	0.27	0	4	0	100	0.00	0.0	1.219	0.000	4	0	1	1
553102	PL.26931	A	Consumer	15.11Y	125.9	0.00	0.05	0.28	0	4	0	100	0.00	0.0	1.219	0.000	4	0	1	1
PL.6473	PL.26931	A	4ACSR	15.11Y	125.9	0.00	0.06	1.13	1	17	2	99	0.00	0.0	1.244	0.025	0	0	0	2
PL.2785	PL.6473	A	4ACSR	15.11Y	125.9	0.00	0.06	1.13	1	17	2	99	0.00	0.0	1.262	0.017	0	0	0	2
553103	PL.2785	A	Consumer	15.11Y	125.9	0.00	0.06	0.61	0	9	1	99	0.00	0.0	1.262	0.000	9	1	1	1
553104	PL.2785	A	Consumer	15.11Y	125.9	0.00	0.06	0.00	0	0	0	100	0.00	0.0	1.262	0.000	0	0	0	0
PL.2788	PL.2785	A	4ACSR	15.11Y	125.9	0.00	0.06	0.52	0	8	1	99	0.00	0.0	1.309	0.047	0	0	0	1
554102	PL.2788	A	Consumer	15.11Y	125.9	0.00	0.06	0.52	0	8	1	99	0.00	0.0	1.309	0.000	8	1	1	1
PL.26932	PL.26931	A	4ACSR	15.11Y	125.9	0.01	0.06	3.53	2	53	6	99	0.00	0.0	1.301	0.082	0	0	0	19
PL.2786	PL.26932	A	4ACSR	15.11Y	125.9	0.00	0.06	0.03	0	0	0	100	0.00	0.0	1.361	0.060	0	0	0	1
448408	PL.2786	A	Consumer	15.11Y	125.9	0.00	0.06	0.03	0	0	0	100	0.00	0.0	1.361	0.000	0	0	1	1
PL.26930	PL.26932	A	4ACSR	15.11Y	125.9	0.01	0.07	3.51	2	53	6	99	0.00	0.0	1.444	0.143	0	0	0	18
PL.14828	PL.26930	A	4ACSR	15.11Y	125.9	0.00	0.07	0.44	0	7	1	99	0.00	0.0	1.455	0.010	0	0	0	2
PD.395-A	PL.14828	A	Closed	15.11Y	125.9	0.00	0.07	0.44	0	7	1	99	0.00	0.0	1.455	0.000	0	0	0	2
PD.395-B	PD.395-A	A	Closed	15.11Y	125.9	0.00	0.07	0.44	0	7	1	99	0.00	0.0	1.455	0.000	0	0	0	2
PL.14829	PD.395-B	A	4ACSR	15.11Y	125.9	0.00	0.07	0.44	0	7	1	99	0.00	0.0	1.557	0.102	0	0	0	2
PL.26933	PL.14829	A	4ACSR	15.11Y	125.9	0.00	0.07	0.44	0	7	1	99	0.00	0.0	1.602	0.045	0	0	0	2
PL.7503	PL.26933	A	4ACSR	15.11Y	125.9	0.00	0.07	0.44	0	7	1	99	0.00	0.0	1.644	0.042	0	0	0	2
557101	PL.7503	A	Consumer	15.11Y	125.9	0.00	0.07	0.00	0	0	0	100	0.00	0.0	1.644	0.000	0	0	0	0
PL.7505	PL.7503	A	4ACSR	15.11Y	125.9	0.00	0.07	0.44	0	7	1	99	0.00	0.0	1.677	0.033	0	0	0	2
PL.7506	PL.7505	A	4ACSR	15.11Y	125.9	0.00	0.07	0.21	0	3	0	100	0.00	0.0	1.728	0.051	0	0	0	1
556102	PL.7506	A	Consumer	15.11Y	125.9	0.00	0.07	0.21	0	3	0	100	0.00	0.0	1.728	0.000	3	0	1	1
557102	PL.7505	A	Consumer	15.11Y	125.9	0.00	0.07	0.22	0	3	0	100	0.00	0.0	1.677	0.000	3	0	1	1
PL.7504	PL.7503	A	4ACSR	15.11Y	125.9	0.00	0.07	0.00	0	0	0	100	0.00	0.0	1.721	0.077	0	0	0	0
556101	PL.7504	A	Consumer	15.11Y	125.9	0.00	0.07	0.00	0	0	0	100	0.00	0.0	1.721	0.000	0	0	0	0
PL.26934	PL.26933	A	4ACSR	15.11Y	125.9	0.00	0.07	0.00	0	0	0	100	0.00	0.0	1.781	0.180	0	0	0	0
559101	PL.26934	A	Consumer	15.11Y	125.9	0.00	0.07	0.00	0	0	0	100	0.00	0.0	1.781	0.000	0	0	0	0
PL.2787	PL.26930	A	4ACSR	15.11Y	125.9	0.00	0.07	0.27	0	4	0	100	0.00	0.0	1.493	0.049	0	0	0	1
448409	PL.2787	A	Consumer	15.11Y	125.9	0.00	0.07	0.00	0	0	0	100	0.00	0.0	1.493	0.000	0	0	0	0
555101	PL.2787	A	Consumer	15.11Y	125.9	0.00	0.07	0.27	0	4	0	100	0.00	0.0	1.493	0.000	4	0	1	1
PL.26935	PL.26930	A	4ACSR	15.11Y	125.9	0.02	0.09	2.81	1	42	5	99	0.01	0.0	1.818	0.374	0	0	0	15
PL.26936	PL.26935	A	4ACSR	15.11Y	125.9	0.00	0.10	1.36	1	20	2	100	0.00	0.0	1.909	0.091	0	0	0	12

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: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.35135	PL.26936	A	2ACSR	15.11Y	125.9	-0.00	0.10	0.00	0	0	0	100	0.00	0.0	1.928	0.019	0	0	0	1
4494052	PL.35135	A	Consumer	15.11Y	125.9	0.00	0.10	0.00	0	0	0	100	0.00	0.0	1.928	0.000	0	0	1	1
PL.15161	PL.26936	A	4ACSR	15.11Y	125.9	0.00	0.10	0.94	0	14	2	99	0.00	0.0	1.982	0.073	0	0	0	9
PL.15162	PL.15161	A	4ACSR	15.11Y	125.9	0.00	0.10	0.82	0	12	1	100	0.00	0.0	2.047	0.065	0	0	0	8
PL.2783	PL.15162	A	4ACSR	15.11Y	125.9	0.00	0.10	0.01	0	0	0	100	0.00	0.0	2.161	0.114	0	0	0	1
449450	PL.2783	A	Consumer	15.11Y	125.9	0.00	0.10	0.01	0	0	0	100	0.00	0.0	2.161	0.000	0	0	1	1
449442	PL.2783	A	Consumer	15.11Y	125.9	0.00	0.10	0.00	0	0	0	100	0.00	0.0	2.161	0.000	0	0	0	0
PL.15163	PL.15162	A	4ACSR	15.11Y	125.9	0.00	0.10	0.81	0	12	1	100	0.00	0.0	2.111	0.064	0	0	0	7
PL.45946	PL.15163	A	4ACSR	15.11Y	125.9	0.00	0.10	0.44	0	7	1	99	0.00	0.0	2.125	0.014	0	0	0	3
PD.8695	PL.45946	A	fuse6AMP	15.11Y	125.9	0.00	0.10	0.44	8	7	1	99	0.00	0.0	2.125	0.000	0	0	0	3
PL.45947	PD.8695	A	4ACSR	15.11Y	125.9	0.00	0.10	0.44	0	7	1	99	0.00	0.0	2.229	0.104	0	0	0	3
449419	PL.45947	A	Consumer	15.11Y	125.9	0.00	0.10	0.11	0	2	0	100	0.00	0.0	2.229	0.000	2	0	1	1
449422	PL.45947	A	Consumer	15.11Y	125.9	0.00	0.10	0.29	0	4	0	100	0.00	0.0	2.229	0.000	4	0	1	1
449447	PL.45947	A	Consumer	15.11Y	125.9	0.00	0.10	0.05	0	1	0	100	0.00	0.0	2.229	0.000	1	0	1	1
PL.15164	PL.15163	A	4ACSR	15.11Y	125.9	0.00	0.10	0.37	0	6	1	99	0.00	0.0	2.149	0.038	0	0	0	4
PL.2781	PL.15164	A	4ACSR	15.11Y	125.9	0.00	0.10	0.18	0	3	0	100	0.00	0.0	2.307	0.157	0	0	0	2
449417	PL.2781	A	Consumer	15.11Y	125.9	0.00	0.10	0.16	0	2	0	100	0.00	0.0	2.307	0.000	2	0	1	1
449404	PL.2781	A	Consumer	15.11Y	125.9	0.00	0.10	0.01	0	0	0	100	0.00	0.0	2.307	0.000	0	0	1	1
PL.15165	PL.15164	A	4ACSR	15.11Y	125.9	0.00	0.10	0.19	0	3	0	100	0.00	0.0	2.295	0.146	0	0	0	2
449429	PL.15165	A	Consumer	15.11Y	125.9	0.00	0.10	0.00	0	0	0	100	0.00	0.0	2.295	0.000	0	0	1	1
PL.15166	PL.15165	A	4ACSR	15.11Y	125.9	0.00	0.10	0.19	0	3	0	100	0.00	0.0	2.358	0.063	0	0	0	1
449403	PL.15166	A	Consumer	15.11Y	125.9	0.00	0.10	0.19	0	3	0	100	0.00	0.0	2.358	0.000	3	0	1	1
449412	PL.15161	A	Consumer	15.11Y	125.9	0.00	0.10	0.11	0	2	0	100	0.00	0.0	1.982	0.000	2	0	1	1
449431	PL.26936	A	Consumer	15.11Y	125.9	0.00	0.10	0.00	0	0	0	100	0.00	0.0	1.909	0.000	0	0	0	0
449402	PL.26936	A	Consumer	15.11Y	125.9	0.00	0.10	0.13	0	2	0	100	0.00	0.0	1.909	0.000	2	0	1	1
449401	PL.26936	A	Consumer	15.11Y	125.9	0.00	0.10	0.28	0	4	0	100	0.00	0.0	1.909	0.000	4	0	1	1
PL.15168	PL.26935	A	4ACSR	15.11Y	125.9	0.01	0.10	1.45	1	22	2	100	0.00	0.0	1.984	0.166	0	0	0	3
449440	PL.15168	A	Consumer	15.11Y	125.9	0.00	0.10	0.58	0	9	1	99	0.00	0.0	1.984	0.000	9	1	1	1
PL.15169	PL.15168	A	4ACSR	15.11Y	125.9	0.00	0.10	0.87	0	13	1	100	0.00	0.0	1.988	0.004	0	0	0	2
PL.2765	PL.15169	A	4ACSR	15.11Y	125.9	0.00	0.10	0.87	0	13	1	100	0.00	0.0	2.025	0.037	0	0	0	2
PL.24054	PL.2765	A	4ACSR	15.11Y	125.9	0.00	0.10	0.87	0	13	1	100	0.00	0.0	2.070	0.045	0	0	0	2
449305	PL.24054	A	Consumer	15.11Y	125.9	0.00	0.10	0.58	0	9	1	99	0.00	0.0	2.070	0.000	9	1	1	1
449309	PL.24054	A	Consumer	15.11Y	125.9	0.00	0.10	0.29	0	4	0	100	0.00	0.0	2.070	0.000	4	0	1	1
PL.13155	PL.12831	A	336ACSR	15.12Y	126.0	-0.00	0.01	49.50	7	743	91	99	1.58	0.0	1.043	0.222	0	0	0	161
		B		15.06Y	125.5	0.11	0.49	91.46	13	1364	201	99					0	0	0	278
		C		15.08Y	125.7	0.07	0.32	116.85	16	1749	226	99					0	0	0	372
PL.13324	PL.13155	B	4ACSR	15.06Y	125.5	0.00	0.49	0.11	0	2	0	100	0.00	0.0	1.052	0.009	0	0	0	2
PD.1505	PL.13324	B	fuse6AMP	15.06Y	125.5	0.00	0.49	0.11	2	2	0	100	0.00	0.0	1.052	0.000	0	0	0	2
PL.26273	PD.1505	B	4ACSR	15.06Y	125.5	0.00	0.49	0.11	0	2	0	100	0.00	0.0	1.093	0.041	0	0	0	2

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: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
447403	PL.26273	B	Consumer	15.06Y	125.5	0.00	0.49	0.09	0	1	0	100	0.00	0.0	1.093	0.000	1	0	1	1
447425	PL.26273	B	Consumer	15.06Y	125.5	0.00	0.49	0.02	0	0	0	100	0.00	0.0	1.093	0.000	0	0	1	1
PL.13156	PL.13155	A	336ACSR	15.12Y	126.0	-0.00	0.01	49.50	7	743	91	99	0.76	0.0	1.150	0.106	0	0	0	161
		B		15.05Y	125.5	0.05	0.54	91.35	13	1361	199	99					0	0	0	276
		C		15.08Y	125.6	0.03	0.35	116.85	16	1748	224	99					0	0	0	372
PL.26274	PL.13156	A	336ACSR	15.12Y	126.0	-0.00	0.01	49.50	7	743	91	99	0.15	0.0	1.171	0.022	0	0	0	161
		B		15.05Y	125.4	0.01	0.55	91.35	13	1361	199	99					0	0	0	276
		C		15.08Y	125.6	0.01	0.36	116.85	16	1748	223	99					0	0	0	372
PL.33049	PL.26274	C	4ACSR	15.08Y	125.6	0.00	0.36	0.65	0	10	1	100	0.00	0.0	1.508	0.337	0	0	0	1
PL.33050	PL.33049	C	4ACSR	15.08Y	125.6	0.00	0.36	0.00	0	0	0	100	0.00	0.0	1.513	0.005	0	0	0	0
447402	PL.33050	C	Consumer	15.08Y	125.6	0.00	0.36	0.00	0	0	0	100	0.00	0.0	1.513	0.000	0	0	0	0
PL.33048	PL.33049	C	4ACSR	15.08Y	125.6	0.00	0.37	0.65	0	10	1	100	0.00	0.0	1.774	0.266	0	0	0	1
447401	PL.33048	C	Consumer	15.08Y	125.6	0.00	0.37	0.65	0	10	1	100	0.00	0.0	1.774	0.000	10	1	1	1
PL.26275	PL.26274	A	336ACSR	15.12Y	126.0	-0.00	0.00	49.50	7	743	91	99	0.86	0.0	1.293	0.122	0	0	0	161
		B		15.05Y	125.4	0.06	0.61	91.35	13	1361	199	99					0	0	0	276
		C		15.07Y	125.6	0.04	0.39	116.20	16	1738	221	99					0	0	0	371
PL.26276	PL.26275	A	336ACSR	15.12Y	126.0	-0.00	0.00	49.50	7	743	91	99	0.53	0.0	1.369	0.075	0	0	0	161
		B		15.04Y	125.4	0.04	0.65	91.35	13	1360	198	99					0	0	0	276
		C		15.07Y	125.6	0.02	0.42	116.20	16	1738	220	99					0	0	0	371
PL.33077	PL.26276	A	336ACSR	15.12Y	126.0	-0.00	0.00	49.09	7	737	90	99	0.47	0.0	1.435	0.066	0	0	0	159
		B		15.04Y	125.3	0.03	0.68	91.35	13	1360	198	99					0	0	0	276
		C		15.07Y	125.6	0.02	0.44	116.20	16	1737	219	99					0	0	0	371
PL.33076	PL.33077	C	4ACSR	15.07Y	125.6	0.00	0.44	0.47	0	7	1	99	0.00	0.0	1.477	0.042	0	0	0	1
4473032	PL.33076	C	Consumer	15.07Y	125.6	0.00	0.44	0.47	0	7	1	99	0.00	0.0	1.477	0.000	7	1	1	1
PL.33078	PL.33077	A	336ACSR	15.12Y	126.0	-0.00	0.00	49.09	7	737	90	99	0.82	0.0	1.552	0.116	0	0	0	159
		B		15.03Y	125.3	0.06	0.73	91.35	13	1359	197	99					0	0	0	276
		C		15.06Y	125.5	0.03	0.47	115.73	16	1730	218	99					0	0	0	370
447306	PL.33078	B	Consumer	15.03Y	125.3	0.00	0.73	0.20	0	3	0	100	0.00	0.0	1.552	0.000	3	0	1	1
447320	PL.33078	B	Consumer	15.03Y	125.3	0.00	0.73	0.01	0	0	0	100	0.00	0.0	1.552	0.000	0	0	1	1
PL.13106	PL.33078	A	336ACSR	15.12Y	126.0	-0.00	0.00	49.09	7	737	90	99	0.83	0.0	1.670	0.119	0	0	0	159
		B		15.03Y	125.2	0.06	0.79	91.14	12	1356	196	99					0	0	0	274
		C		15.06Y	125.5	0.03	0.50	115.73	16	1730	216	99					0	0	0	370
PL.8603	PL.13106	A	336ACSR	15.12Y	126.0	-0.00	0.00	49.09	7	737	90	99	0.40	0.0	1.727	0.056	0	0	0	159
		B		15.02Y	125.2	0.03	0.82	91.14	12	1355	196	99					0	0	0	274
		C		15.06Y	125.5	0.02	0.52	115.73	16	1730	215	99					0	0	0	370
PL.13107	PL.8603	C	4ACSR	15.06Y	125.5	0.01	0.53	28.42	15	425	50	99	0.02	0.0	1.739	0.012	0	0	0	112
C PD.5	PL.13107	C	fuse6AMP	15.06Y	125.5	0.00	0.53	28.42	485	425	50	99	0.00	0.0	1.739	0.000	0	0	0	112 C
PL.13111	PD.5	C	4ACSR	15.06Y	125.5	0.01	0.54	28.42	15	425	50	99	0.04	0.0	1.757	0.019	0	0	0	112
PD.2658	PL.13111	C	50L	15.06Y	125.5	0.00	0.54	28.42	57	425	50	99	0.00	0.0	1.757	0.000	0	0	0	112
PL.13112	PD.2658	C	4ACSR	15.05Y	125.4	0.04	0.57	28.42	15	425	50	99	0.12	0.0	1.817	0.060	0	0	0	112
PL.13113	PL.13112	C	4ACSR	15.04Y	125.4	0.06	0.63	28.42	15	425	50	99	0.19	0.0	1.915	0.098	0	0	0	111
PL.2764	PL.13113	C	4ACSR	15.04Y	125.4	0.00	0.63	0.18	0	3	0	100	0.00	0.0	1.962	0.046	0	0	0	2
447317	PL.2764	C	Consumer	15.04Y	125.4	0.00	0.63	0.14	0	2	0	100	0.00	0.0	1.962	0.000	2	0	1	1
447325	PL.2764	C	Consumer	15.04Y	125.4	0.00	0.63	0.04	0	1	0	100	0.00	0.0	1.962	0.000	1	0	1	1
PL.13114	PL.13113	C	4ACSR	15.03Y	125.2	0.12	0.75	27.83	14	416	48	99	0.37	0.1	2.113	0.198	0	0	0	108
PL.21350	PL.13114	C	4ACSR	15.03Y	125.2	0.02	0.77	27.83	14	415	48	99	0.05	0.0	2.142	0.029	0	0	0	107

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: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.21351	PL.21350	C	4ACSR	15.01Y	125.1	0.13	0.90	27.83	14	415	48	99	0.42	0.1	2.371	0.229	0	0	0	107
PL.29573	PL.21351	C	4ACSR	15.01Y	125.1	0.00	0.90	0.23	0	3	0	100	0.00	0.0	2.430	0.059	0	0	0	1
447324	PL.29573	C	Consumer	15.01Y	125.1	0.00	0.90	0.23	0	3	0	100	0.00	0.0	2.430	0.000	3	0	1	1
PL.13115	PL.21351	C	4ACSR	15.01Y	125.1	0.02	0.92	27.60	14	412	48	99	0.06	0.0	2.404	0.033	0	0	0	106
PL.13132	PL.13115	C	4ACSR	15.00Y	125.0	0.12	1.04	27.60	14	412	47	99	0.36	0.1	2.602	0.199	0	0	0	106
PL.2727	PL.13132	C	4ACSR	15.00Y	125.0	0.00	1.04	0.56	0	8	1	99	0.00	0.0	2.660	0.058	0	0	0	1
446308	PL.2727	C	Consumer	15.00Y	125.0	0.00	1.04	0.56	0	8	1	99	0.00	0.0	2.660	0.000	8	1	1	1
PL.13133	PL.13132	C	4ACSR	14.99Y	124.9	0.08	1.12	26.94	14	401	46	99	0.25	0.1	2.745	0.142	0	0	0	103
446331	PL.13133	C	Consumer	14.99Y	124.9	0.00	1.12	0.29	0	4	0	100	0.00	0.0	2.745	0.000	4	0	1	1
PL.13134	PL.13133	C	4ACSR	14.98Y	124.8	0.07	1.18	26.65	14	397	46	99	0.20	0.0	2.861	0.117	0	0	0	102
PL.2730	PL.13134	C	4ACSR	14.98Y	124.8	0.00	1.19	1.02	1	15	2	99	0.00	0.0	2.934	0.072	0	0	0	2
PL.2731	PL.2730	C	4ACSR	14.98Y	124.8	0.00	1.19	0.58	0	9	1	99	0.00	0.0	3.019	0.085	0	0	0	1
PL.2729	PL.2731	C	4ACSR	14.98Y	124.8	0.00	1.19	0.58	0	9	1	99	0.00	0.0	3.090	0.071	0	0	0	1
446313	PL.2729	C	Consumer	14.98Y	124.8	0.00	1.19	0.00	0	0	0	100	0.00	0.0	3.090	0.000	0	0	0	0
PL.2728	PL.2729	C	4ACSR	14.98Y	124.8	0.00	1.19	0.58	0	9	1	99	0.00	0.0	3.183	0.093	0	0	0	1
446316	PL.2728	C	Consumer	14.98Y	124.8	0.00	1.19	0.58	0	9	1	99	0.00	0.0	3.183	0.000	9	1	1	1
446319	PL.2731	C	Consumer	14.98Y	124.8	0.00	1.19	0.00	0	0	0	100	0.00	0.0	3.019	0.000	0	0	0	0
446306	PL.2730	C	Consumer	14.98Y	124.8	0.00	1.19	0.43	0	6	1	99	0.00	0.0	2.934	0.000	6	1	1	1
PL.13135	PL.13134	C	4ACSR	14.97Y	124.8	0.06	1.24	25.63	13	381	44	99	0.16	0.0	2.965	0.104	0	0	0	100
PL.13146	PL.13135	C	4ACSR	14.96Y	124.7	0.10	1.34	23.71	12	353	41	99	0.27	0.1	3.166	0.200	0	0	0	90
PL.13147	PL.13146	C	4ACSR	14.95Y	124.6	0.07	1.41	22.86	12	340	39	99	0.18	0.1	3.311	0.145	0	0	0	87
PL.12536	PL.13147	C	4ACSR	14.94Y	124.5	0.11	1.52	21.68	11	322	37	99	0.28	0.1	3.556	0.245	0	0	0	82
PL.2738	PL.12536	C	4ACSR	14.94Y	124.5	0.00	1.52	0.01	0	0	0	100	0.00	0.0	3.683	0.127	0	0	0	1
445330	PL.2738	C	Consumer	14.94Y	124.5	0.00	1.52	0.01	0	0	0	100	0.00	0.0	3.683	0.000	0	0	1	1
PL.12535	PL.12536	C	4ACSR	14.93Y	124.5	0.03	1.55	21.68	11	322	37	99	0.06	0.0	3.612	0.056	0	0	0	81
PL.12534	PL.12535	C	4ACSR	14.93Y	124.4	0.03	1.58	21.20	11	315	36	99	0.08	0.0	3.690	0.078	0	0	0	79
PL.2739	PL.12534	C	4ACSR	14.93Y	124.4	0.00	1.59	0.55	0	8	1	99	0.00	0.0	3.733	0.042	0	0	0	1
445333	PL.2739	C	Consumer	14.93Y	124.4	0.00	1.59	0.55	0	8	1	99	0.00	0.0	3.733	0.000	8	1	1	1
PL.12533	PL.12534	C	4ACSR	14.92Y	124.3	0.08	1.67	20.65	11	306	35	99	0.20	0.1	3.883	0.193	0	0	0	78
PL.12531	PL.12533	C	4ACSR	14.92Y	124.3	0.03	1.70	20.30	10	301	34	99	0.08	0.0	3.959	0.077	0	0	0	77
PL.2747	PL.12531	C	4ACSR	14.92Y	124.3	0.00	1.70	0.00	0	0	0	100	0.00	0.0	4.023	0.063	0	0	0	0
445336	PL.2747	C	Consumer	14.92Y	124.3	0.00	1.70	0.00	0	0	0	100	0.00	0.0	4.023	0.000	0	0	0	0
PL.12532	PL.12531	C	4ACSR	14.91Y	124.3	0.04	1.74	20.30	10	301	34	99	0.09	0.0	4.054	0.094	0	0	0	77
445321	PL.12532	C	Consumer	14.91Y	124.3	0.00	1.74	0.00	0	0	0	100	0.00	0.0	4.054	0.000	0	0	1	1
4453039	PL.12532	C	Consumer	14.91Y	124.3	0.00	1.74	0.31	0	5	1	98	0.00	0.0	4.054	0.000	0	0	0	1
445310	4453039	C	Consumer	14.91Y	124.3	0.00	1.74	0.31	0	5	1	98	0.00	0.0	4.054	0.000	5	1	1	1
445317	PL.12532	C	Consumer	14.91Y	124.3	0.00	1.74	0.00	0	0	0	100	0.00	0.0	4.054	0.000	0	0	1	1
PL.12530	PL.12532	C	4ACSR	14.91Y	124.2	0.04	1.78	19.98	10	296	34	99	0.09	0.0	4.150	0.096	0	0	0	74

Unbalanced Voltage Drop Report
Source: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
445308	PL.12530	C	Consumer	14.91Y	124.2	0.00	1.78	0.01	0	0	0	100	0.00	0.0	4.150	0.000	0	0	1	1
445324	PL.12530	C	Consumer	14.91Y	124.2	0.00	1.78	0.05	0	1	0	100	0.00	0.0	4.150	0.000	1	0	1	1
PL.12529	PL.12530	C	4ACSR	14.90Y	124.2	0.04	1.82	19.94	10	295	33	99	0.08	0.0	4.234	0.085	0	0	0	72
PD.381-A	PL.12529	C	Closed	14.90Y	124.2	0.00	1.82	19.94	0	295	33	99	0.00	0.0	4.234	0.000	0	0	0	72
PD.381-B	PD.381-A	C	Closed	14.90Y	124.2	0.00	1.82	19.94	0	295	33	99	0.00	0.0	4.234	0.000	0	0	0	72
PL.12528	PD.381-B	C	4ACSR	14.90Y	124.2	0.01	1.83	19.94	10	295	33	99	0.02	0.0	4.252	0.018	0	0	0	72
PL.17712	PL.12528	C	4ACSR	14.90Y	124.2	0.00	1.83	0.21	0	3	0	100	0.00	0.0	4.259	0.007	0	0	0	2
PL.13151	PL.17712	C	4ACSR	14.90Y	124.2	0.00	1.83	0.00	0	0	0	100	0.00	0.0	4.471	0.212	0	0	0	0
PD.380-B	PL.13151	C	Open	14.90Y	124.2	0.00	1.83	0.00	0	0	0	100	0.00	0.0	4.471	0.000	0	0	0	0
PL.45504	PL.17712	C	4ACSR	14.90Y	124.2	0.00	1.83	0.21	0	3	0	100	0.00	0.0	4.277	0.017	0	0	0	2
PD.8658	PL.45504	C	fuse6AMP	14.90Y	124.2	0.00	1.83	0.21	4	3	0	100	0.00	0.0	4.277	0.000	0	0	0	2
PL.45505	PD.8658	C	4ACSR	14.90Y	124.2	0.00	1.83	0.21	0	3	0	100	0.00	0.0	4.311	0.034	0	0	0	2
PL.22887	PL.45505	C	4ACSR	14.90Y	124.2	0.00	1.83	0.00	0	0	0	100	0.00	0.0	4.486	0.175	0	0	0	1
445320	PL.22887	C	Consumer	14.90Y	124.2	0.00	1.83	0.00	0	0	0	100	0.00	0.0	4.486	0.000	0	0	1	1
PL.28576	PL.45505	C	4ACSR	14.90Y	124.2	0.00	1.83	0.21	0	3	0	100	0.00	0.0	4.350	0.039	0	0	0	1
445309	PL.28576	C	Consumer	14.90Y	124.2	0.00	1.83	0.21	0	3	0	100	0.00	0.0	4.350	0.000	3	0	1	1
PL.19424	PL.12528	C	4ACSR	14.90Y	124.1	0.02	1.85	19.73	10	292	33	99	0.05	0.0	4.311	0.059	0	0	0	70
PL.19425	PL.19424	C	4ACSR	14.89Y	124.1	0.03	1.88	19.73	10	292	33	99	0.07	0.0	4.386	0.075	0	0	0	70
PL.13148	PL.19425	C	4ACSR	14.89Y	124.1	0.03	1.91	18.89	10	280	31	99	0.06	0.0	4.453	0.067	0	0	0	66
PL.13149	PL.13148	C	4ACSR	14.89Y	124.1	0.02	1.93	18.89	10	280	31	99	0.04	0.0	4.503	0.050	0	0	0	65
PL.13145	PL.13149	C	4ACSR	14.89Y	124.1	0.02	1.95	13.11	7	194	22	99	0.03	0.0	4.578	0.075	0	0	0	41
PD.2654	PL.13145	C	25V4E	14.89Y	124.1	0.00	1.95	13.11	52	194	22	99	0.00	0.0	4.578	0.000	0	0	0	41
PL.19242	PD.2654	C	4ACSR	14.89Y	124.0	0.01	1.96	13.11	7	194	22	99	0.01	0.0	4.607	0.030	0	0	0	41
PL.19243	PL.19242	C	4ACSR	14.88Y	124.0	0.02	1.97	13.08	7	194	22	99	0.03	0.0	4.671	0.064	0	0	0	40
PL.24902	PL.19243	C	4ACSR	14.88Y	124.0	0.01	1.98	13.08	7	194	22	99	0.01	0.0	4.705	0.034	0	0	0	40
PL.24010	PL.24902	C	4ACSR	14.88Y	124.0	0.00	1.98	0.00	0	0	0	100	0.00	0.0	4.705	0.000	0	0	0	0
PL.6900	PL.24902	C	4ACSR	14.87Y	123.9	0.11	2.10	13.08	7	194	22	99	0.17	0.1	5.112	0.408	0	0	0	40
444307	PL.6900	C	Consumer	14.87Y	123.9	0.00	2.10	0.52	0	8	1	99	0.00	0.0	5.112	0.000	8	1	1	1
PL.8596	PL.6900	C	4ACSR	14.86Y	123.9	0.03	2.13	12.56	6	186	21	99	0.04	0.0	5.226	0.114	0	0	0	39
PL.8597	PL.8596	C	4ACSR	14.86Y	123.9	0.01	2.14	12.56	6	186	21	99	0.02	0.0	5.276	0.049	0	0	0	39
444302	PL.8597	C	Consumer	14.86Y	123.9	0.00	2.14	0.53	0	8	1	99	0.00	0.0	5.276	0.000	8	1	1	1
PL.6901	PL.8597	C	4ACSR	14.86Y	123.8	0.06	2.20	12.04	6	178	20	99	0.08	0.0	5.497	0.221	0	0	0	38
PL.13360	PL.6901	C	4ACSR	14.85Y	123.8	0.04	2.24	12.04	6	178	20	99	0.06	0.0	5.666	0.170	0	0	0	38
444304	PL.13360	C	Consumer	14.85Y	123.8	0.00	2.24	0.82	0	12	1	100	0.00	0.0	5.666	0.000	12	1	1	1
444305	PL.13360	C	Consumer	14.85Y	123.8	0.00	2.24	0.00	0	0	0	100	0.00	0.0	5.666	0.000	0	0	0	0
PL.21167	PL.13360	C	4ACSR	14.85Y	123.8	0.00	2.24	0.16	0	2	0	100	0.00	0.0	5.675	0.008	0	0	0	3
PD.367-A	PL.21167	C	Closed	14.85Y	123.8	0.00	2.24	0.16	0	2	0	100	0.00	0.0	5.675	0.000	0	0	0	3
PD.367-B	PD.367-A	C	Closed	14.85Y	123.8	0.00	2.24	0.16	0	2	0	100	0.00	0.0	5.675	0.000	0	0	0	3

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: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.21168	PD.367-B	C	4ACSR	14.85Y	123.8	0.00	2.24	0.16	0	2	0	100	0.00	0.0	5.844	0.169	0	0	0	3
PL.23379	PL.21168	C	4ACSR	14.85Y	123.8	0.00	2.24	0.03	0	0	0	100	0.00	0.0	5.907	0.064	0	0	0	1
444308	PL.23379	C	Consumer	14.85Y	123.8	0.00	2.24	0.03	0	0	0	100	0.00	0.0	5.907	0.000	0	0	1	1
PL.21129	PL.21168	C	4ACSR	14.85Y	123.8	0.00	2.24	0.13	0	2	0	100	0.00	0.0	6.106	0.263	0	0	0	2
PL.23308	PL.21129	C	4ACSR	14.85Y	123.8	0.00	2.24	0.13	0	2	0	100	0.00	0.0	6.325	0.219	0	0	0	2
444401	PL.23308	C	Consumer	14.85Y	123.8	0.00	2.24	0.00	0	0	0	100	0.00	0.0	6.325	0.000	0	0	0	0
444415	PL.23308	C	Consumer	14.85Y	123.8	0.00	2.24	0.00	0	0	0	100	0.00	0.0	6.325	0.000	0	0	1	1
PL.23309	PL.23308	C	4ACSR	14.85Y	123.8	0.00	2.24	0.13	0	2	0	100	0.00	0.0	6.560	0.234	0	0	0	1
443407	PL.23309	C	Consumer	14.85Y	123.8	0.00	2.24	0.13	0	2	0	100	0.00	0.0	6.560	0.000	2	0	1	1
PL.43249	PL.13360	C	2ACSR	14.85Y	123.8	0.00	2.24	0.00	0	0	0	100	0.00	0.0	5.673	0.006	0	0	0	0
PD.8230	PL.43249	C	fuse6AMP	14.85Y	123.8	0.00	2.24	0.00	0	0	0	100	0.00	0.0	5.673	0.000	0	0	0	0
PL.43251	PD.8230	C	2ACSR	14.85Y	123.8	0.00	2.24	0.00	0	0	0	100	0.00	0.0	6.227	0.555	0	0	0	0
PL.43252	PL.43251	C	2ACSR	14.85Y	123.8	0.00	2.24	0.00	0	0	0	100	0.00	0.0	6.471	0.243	0	0	0	0
4443011	PL.43252	C	Consumer	14.85Y	123.8	0.00	2.24	0.00	0	0	0	100	0.00	0.0	6.471	0.000	0	0	0	0
4443010	PL.43251	C	Consumer	14.85Y	123.8	0.00	2.24	0.00	0	0	0	100	0.00	0.0	6.227	0.000	0	0	0	0
PL.13361	PL.13360	C	4ACSR	14.85Y	123.7	0.03	2.27	11.05	6	163	18	99	0.04	0.0	5.796	0.130	0	0	0	34
PL.13359	PL.13361	C	4ACSR	14.84Y	123.6	0.10	2.37	11.05	6	163	18	99	0.13	0.1	6.232	0.435	0	0	0	34
PL.19262	PL.13359	C	4ACSR	14.83Y	123.6	0.04	2.41	11.05	6	163	18	99	0.05	0.0	6.416	0.184	0	0	0	34
443308	PL.19262	C	Consumer	14.83Y	123.6	0.00	2.41	0.00	0	0	0	100	0.00	0.0	6.416	0.000	0	0	1	1
PL.19263	PL.19262	C	4ACSR	14.83Y	123.6	0.02	2.44	11.05	6	163	18	99	0.03	0.0	6.508	0.092	0	0	0	33
PL.13711	PL.19263	C	4ACSR	14.83Y	123.6	0.01	2.45	9.83	5	145	16	99	0.02	0.0	6.573	0.065	0	0	0	32
PL.13710	PL.13711	C	4ACSR	14.82Y	123.5	0.02	2.47	9.49	5	140	15	99	0.02	0.0	6.689	0.116	0	0	0	31
PL.6905	PL.13710	C	4ACSR	14.82Y	123.5	0.00	2.47	1.59	1	23	3	99	0.00	0.0	6.689	0.000	0	0	0	3
PL.6906	PL.6905	C	4ACSR	14.82Y	123.5	0.00	2.47	1.59	1	23	3	99	0.00	0.0	6.724	0.035	0	0	0	3
443310	PL.6906	C	Consumer	14.82Y	123.5	0.00	2.47	0.71	0	11	1	100	0.00	0.0	6.724	0.000	11	1	1	1
443306	PL.6906	C	Consumer	14.82Y	123.5	0.00	2.47	0.18	0	3	0	100	0.00	0.0	6.724	0.000	3	0	1	1
443317	PL.6906	C	Consumer	14.82Y	123.5	0.00	2.47	0.69	0	10	1	100	0.00	0.0	6.724	0.000	10	1	1	1
443307	PL.6906	C	Consumer	14.82Y	123.5	0.00	2.47	0.00	0	0	0	100	0.00	0.0	6.724	0.000	0	0	0	0
PL.23376	PL.13710	C	4ACSR	14.82Y	123.5	0.00	2.47	0.75	0	11	1	100	0.00	0.0	6.781	0.092	0	0	0	1
PL.23380	PL.23376	C	4ACSR	14.82Y	123.5	0.00	2.48	0.75	0	11	1	100	0.00	0.0	6.840	0.059	0	0	0	1
443312	PL.23380	C	Consumer	14.82Y	123.5	0.00	2.48	0.75	0	11	1	100	0.00	0.0	6.840	0.000	11	1	1	1
PL.13709	PL.13710	C	4ACSR	14.82Y	123.5	0.02	2.49	7.15	4	105	12	99	0.01	0.0	6.803	0.114	0	0	0	27
PL.6904	PL.13709	C	4ACSR	14.82Y	123.5	0.01	2.50	7.15	4	105	12	99	0.01	0.0	6.885	0.082	0	0	0	27
PL.13707	PL.6904	C	4ACSR	14.82Y	123.5	0.01	2.51	7.15	4	105	12	99	0.01	0.0	6.951	0.066	0	0	0	27
PL.24005	PL.13707	C	4ACSR	14.82Y	123.5	0.00	2.51	0.15	0	2	0	100	0.00	0.0	7.021	0.070	0	0	0	1
442324	PL.24005	C	Consumer	14.82Y	123.5	0.00	2.51	0.15	0	2	0	100	0.00	0.0	7.021	0.000	2	0	1	1
PL.13708	PL.13707	C	4ACSR	14.82Y	123.5	0.01	2.52	7.00	4	103	11	99	0.01	0.0	7.034	0.083	0	0	0	26
PL.13153	PL.13708	C	4ACSR	14.82Y	123.5	0.01	2.53	6.43	3	95	10	99	0.00	0.0	7.084	0.049	0	0	0	25

Unbalanced Voltage Drop Report
Source: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.13152	PL.13153	C	4ACSR	14.82Y	123.5	0.00	2.53	6.43	3	95	10	99	0.00	0.0	7.098	0.014	0	0	0	25
PL.13725	PL.13152	C	4ACSR	14.82Y	123.5	0.00	2.53	5.95	3	88	10	99	0.00	0.0	7.101	0.003	0	0	0	20
PD.359-A	PL.13725	C	Closed	14.82Y	123.5	0.00	2.53	5.95	0	88	10	99	0.00	0.0	7.101	0.000	0	0	0	20
PD.359-B	PD.359-A	C	Closed	14.82Y	123.5	0.00	2.53	5.95	0	88	10	99	0.00	0.0	7.101	0.000	0	0	0	20
PL.13726	PD.359-B	C	4ACSR	14.82Y	123.5	0.01	2.54	5.95	3	88	10	99	0.00	0.0	7.159	0.058	0	0	0	20
PL.23963	PL.13726	C	4ACSR	14.82Y	123.5	0.00	2.54	0.00	0	0	0	100	0.00	0.0	7.227	0.068	0	0	0	0
442309	PL.23963	C	Consumer	14.82Y	123.5	0.00	2.54	0.00	0	0	0	100	0.00	0.0	7.227	0.000	0	0	0	0
PL.13727	PL.13726	C	4ACSR	14.81Y	123.4	0.01	2.55	5.95	3	88	10	99	0.01	0.0	7.250	0.091	0	0	0	20
PL.39347	PL.13727	C	4ACSR	14.81Y	123.4	0.00	2.56	5.95	3	88	10	99	0.00	0.0	7.275	0.025	0	0	0	19
PL.39348	PL.39347	C	4ACSR	14.81Y	123.4	0.00	2.56	5.01	3	74	8	99	0.00	0.0	7.304	0.029	0	0	0	17
442315	PL.39348	C	Consumer	14.81Y	123.4	0.00	2.56	0.00	0	0	0	100	0.00	0.0	7.304	0.000	0	0	0	0
442319	PL.39348	C	Consumer	14.81Y	123.4	0.00	2.56	0.00	0	0	0	100	0.00	0.0	7.304	0.000	0	0	0	0
PL.13728	PL.39348	C	4ACSR	14.81Y	123.4	0.00	2.56	5.01	3	74	8	99	0.00	0.0	7.348	0.043	0	0	0	17
442311	PL.13728	C	Consumer	14.81Y	123.4	0.00	2.56	0.32	0	5	1	98	0.00	0.0	7.348	0.000	5	1	1	1
442307	PL.13728	C	Consumer	14.81Y	123.4	0.00	2.56	0.38	0	6	1	99	0.00	0.0	7.348	0.000	6	1	1	1
442313	PL.13728	C	Consumer	14.81Y	123.4	0.00	2.56	0.84	0	12	1	100	0.00	0.0	7.348	0.000	12	1	1	1
PL.42275	PL.13728	C	4ACSR	14.81Y	123.4	0.00	2.56	1.34	1	20	2	100	0.00	0.0	7.389	0.041	0	0	0	2
PL.42276	PL.42275	C	4ACSR	14.81Y	123.4	0.00	2.57	1.34	1	20	2	100	0.00	0.0	7.444	0.055	0	0	0	2
PL.23381	PL.42276	C	4ACSR	14.81Y	123.4	0.00	2.57	1.34	1	20	2	100	0.00	0.0	7.502	0.058	0	0	0	2
PL.23382	PL.23381	C	4ACSR	14.81Y	123.4	0.00	2.57	0.46	0	7	1	99	0.00	0.0	7.566	0.063	0	0	0	1
443316	PL.23382	C	Consumer	14.81Y	123.4	0.00	2.57	0.46	0	7	1	99	0.00	0.0	7.566	0.000	7	1	1	1
4433018	PL.23381	C	Consumer	14.81Y	123.4	0.00	2.57	0.00	0	0	0	100	0.00	0.0	7.502	0.000	0	0	0	0
443314	PL.23381	C	Consumer	14.81Y	123.4	0.00	2.57	0.89	0	13	1	100	0.00	0.0	7.502	0.000	13	1	1	1
4423028	PL.42275	C	Consumer	14.81Y	123.4	0.00	2.56	0.00	0	0	0	100	0.00	0.0	7.389	0.000	0	0	0	0
PL.13729	PL.13728	C	4ACSR	14.81Y	123.4	0.01	2.57	2.12	1	31	3	100	0.00	0.0	7.469	0.121	0	0	0	12
PD.357-A	PL.13729	C	Closed	14.81Y	123.4	0.00	2.57	2.12	0	31	3	100	0.00	0.0	7.469	0.000	0	0	0	12
PD.357-B	PD.357-A	C	Closed	14.81Y	123.4	0.00	2.57	2.12	0	31	3	100	0.00	0.0	7.469	0.000	0	0	0	12
PL.20802	PD.357-B	C	4ACSR	14.81Y	123.4	0.00	2.57	0.34	0	5	1	98	0.00	0.0	7.475	0.007	0	0	0	1
PL.45463	PL.20802	C	4ACSR	14.81Y	123.4	0.00	2.57	0.34	0	5	1	98	0.00	0.0	7.481	0.006	0	0	0	1
PD.8649	PL.45463	C	fuse6AMP	14.81Y	123.4	0.00	2.57	0.34	6	5	1	98	0.00	0.0	7.481	0.000	0	0	0	1
PL.45464	PD.8649	C	4ACSR	14.81Y	123.4	0.00	2.57	0.34	0	5	1	98	0.00	0.0	7.516	0.035	0	0	0	1
442321	PL.45464	C	Consumer	14.81Y	123.4	0.00	2.57	0.34	0	5	1	98	0.00	0.0	7.516	0.000	5	1	1	1
PL.32750	PD.357-B	C	4ACSR	14.81Y	123.4	0.00	2.57	1.78	1	26	3	99	0.00	0.0	7.490	0.021	0	0	0	11
PL.32749	PL.32750	C	4ACSR	14.81Y	123.4	0.00	2.57	0.24	0	3	0	100	0.00	0.0	7.543	0.053	0	0	0	1
4422013	PL.32749	C	Consumer	14.81Y	123.4	0.00	2.57	0.24	0	3	0	100	0.00	0.0	7.543	0.000	3	0	1	1
PL.32751	PL.32750	C	4ACSR	14.81Y	123.4	0.00	2.57	1.54	1	23	3	99	0.00	0.0	7.519	0.029	0	0	0	10
PL.13731	PL.32751	C	4ACSR	14.81Y	123.4	0.00	2.57	1.32	1	19	2	99	0.00	0.0	7.603	0.084	0	0	0	9
PL.13732	PL.13731	C	4ACSR	14.81Y	123.4	0.00	2.57	0.12	0	2	0	100	0.00	0.0	7.635	0.032	0	0	0	2

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: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.1074	PL.13732	C	fuse6AMP	14.81Y	123.4	0.00	2.57	0.12	2	2	0	100	0.00	0.0	7.635	0.000	0	0	0	2
PL.13785	PD.1074	C	4ACSR	14.81Y	123.4	0.00	2.57	0.12	0	2	0	100	0.00	0.0	7.666	0.031	0	0	0	2
PL.6902	PL.13785	C	4ACSR	14.81Y	123.4	0.00	2.57	0.12	0	2	0	100	0.00	0.0	8.304	0.638	0	0	0	2
PL.6903	PL.6902	C	4ACSR	14.81Y	123.4	0.00	2.58	0.11	0	2	0	100	0.00	0.0	8.865	0.561	0	0	0	1
443202	PL.6903	C	Consumer	14.81Y	123.4	0.00	2.58	0.11	0	2	0	100	0.00	0.0	8.865	0.000	2	0	1	1
443305	PL.6902	C	Consumer	14.81Y	123.4	0.00	2.57	0.00	0	0	0	100	0.00	0.0	8.304	0.000	0	0	1	1
PL.13786	PL.13731	C	4ACSR	14.81Y	123.4	0.00	2.58	1.20	1	18	2	99	0.00	0.0	7.698	0.096	0	0	0	7
PL.23362	PL.13786	C	4ACSR	14.81Y	123.4	0.00	2.58	0.50	0	7	1	99	0.00	0.0	7.779	0.080	0	0	0	1
442202	PL.23362	C	Consumer	14.81Y	123.4	0.00	2.58	0.50	0	7	1	99	0.00	0.0	7.779	0.000	7	1	1	1
PL.13787	PL.13786	C	4ACSR	14.81Y	123.4	0.00	2.58	0.70	0	10	1	100	0.00	0.0	7.874	0.176	0	0	0	6
442204	PL.13787	C	Consumer	14.81Y	123.4	0.00	2.58	0.10	0	1	0	100	0.00	0.0	7.874	0.000	1	0	1	1
PL.13788	PL.13787	C	4ACSR	14.81Y	123.4	0.00	2.58	0.60	0	9	1	99	0.00	0.0	7.907	0.033	0	0	0	5
PL.13789	PL.13788	C	4ACSR	14.81Y	123.4	0.00	2.58	0.38	0	6	1	99	0.00	0.0	8.106	0.200	0	0	0	2
PL.6884	PL.13789	C	4ACSR	14.81Y	123.4	0.00	2.58	0.31	0	5	1	98	0.00	0.0	8.177	0.071	0	0	0	1
PL.13790	PL.6884	C	4ACSR	14.81Y	123.4	0.00	2.58	0.00	0	0	0	100	0.00	0.0	8.300	0.122	0	0	0	0
PD.358-A	PL.13790	C	Closed	14.81Y	123.4	0.00	2.58	0.00	0	0	0	100	0.00	0.0	8.300	0.000	0	0	0	0
PD.358-B	PD.358-A	C	Closed	14.81Y	123.4	0.00	2.58	0.00	0	0	0	100	0.00	0.0	8.300	0.000	0	0	0	0
PL.13791	PD.358-B	C	4ACSR	14.81Y	123.4	0.00	2.58	0.00	0	0	0	100	0.00	0.0	8.634	0.335	0	0	0	0
PL.43236	PL.13791	C	4ACSR	14.81Y	123.4	0.00	2.58	0.00	0	0	0	100	0.00	0.0	9.090	0.455	0	0	0	0
PD.8218-A	PL.43236	C	Closed	14.81Y	123.4	0.00	2.58	0.00	0	0	0	100	0.00	0.0	9.090	0.000	0	0	0	0
PD.8218-B	PD.8218-A	C	Closed	14.81Y	123.4	0.00	2.58	0.00	0	0	0	100	0.00	0.0	9.090	0.000	0	0	0	0
PL.43237	PD.8218-B	C	4ACSR	14.81Y	123.4	0.00	2.58	0.00	0	0	0	100	0.00	0.0	9.095	0.005	0	0	0	0
442211	PL.6884	C	Consumer	14.81Y	123.4	0.00	2.58	0.00	0	0	0	100	0.00	0.0	8.177	0.000	0	0	0	0
442212	PL.6884	C	Consumer	14.81Y	123.4	0.00	2.58	0.31	0	5	1	98	0.00	0.0	8.177	0.000	5	1	1	1
442208	PL.13789	C	Consumer	14.81Y	123.4	0.00	2.58	0.07	0	1	0	100	0.00	0.0	8.106	0.000	1	0	1	1
442210	PL.13789	C	Consumer	14.81Y	123.4	0.00	2.58	0.00	0	0	0	100	0.00	0.0	8.106	0.000	0	0	0	0
PL.23363	PL.13788	C	4ACSR	14.81Y	123.4	0.00	2.58	0.22	0	3	0	100	0.00	0.0	7.948	0.041	0	0	0	3
PL.32806	PL.23363	C	4ACSR	14.81Y	123.4	0.00	2.58	0.22	0	3	0	100	0.00	0.0	7.956	0.008	0	0	0	3
4432004	PL.32806	C	Consumer	14.81Y	123.4	0.00	2.58	0.00	0	0	0	100	0.00	0.0	7.956	0.000	0	0	1	1
PL.32807	PL.32806	C	4ACSR	14.81Y	123.4	0.00	2.58	0.22	0	3	0	100	0.00	0.0	7.998	0.042	0	0	0	2
PL.23372	PL.32807	C	4ACSR	14.81Y	123.4	0.00	2.58	0.00	0	0	0	100	0.00	0.0	8.151	0.153	0	0	0	1
PL.33203	PL.23372	C	4ACSR	14.81Y	123.4	0.00	2.58	0.00	0	0	0	100	0.00	0.0	8.199	0.048	0	0	0	1
4432003	PL.33203	C	Consumer	14.81Y	123.4	0.00	2.58	0.00	0	0	0	100	0.00	0.0	8.199	0.000	0	0	1	1
443201	PL.32807	C	Consumer	14.81Y	123.4	0.00	2.58	0.22	0	3	0	100	0.00	0.0	7.998	0.000	3	0	1	1
4432005	PL.32807	C	Consumer	14.81Y	123.4	0.00	2.58	0.00	0	0	0	100	0.00	0.0	7.998	0.000	0	0	0	0
442206	PL.32751	C	Consumer	14.81Y	123.4	0.00	2.57	0.22	0	3	0	100	0.00	0.0	7.519	0.000	3	0	1	1
PL.42274	PL.13728	C	2ACSR	14.81Y	123.4	0.00	2.56	0.00	0	0	0	100	0.00	0.0	7.443	0.095	0	0	0	0
4423027	PL.42274	C	Consumer	14.81Y	123.4	0.00	2.56	0.00	0	0	0	100	0.00	0.0	7.443	0.000	0	0	0	0

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

Unbalanced Voltage Drop Report
Source: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
4433019	PL.42274	C	Consumer	14.81Y	123.4	0.00	2.56	0.00	0	0	0	100	0.00	0.0	7.443	0.000	0	0	0	0
4423026	PL.39347	C	Consumer	14.81Y	123.4	0.00	2.56	0.04	0	1	0	100	0.00	0.0	7.275	0.000	1	0	1	1
442312	PL.39347	C	Consumer	14.81Y	123.4	0.00	2.56	0.90	0	13	1	100	0.00	0.0	7.275	0.000	13	1	1	1
PL.24003	PL.13727	C	4ACSR	14.81Y	123.4	0.00	2.55	0.00	0	0	0	100	0.00	0.0	7.301	0.051	0	0	0	1
442308	PL.24003	C	Consumer	14.81Y	123.4	0.00	2.55	0.00	0	0	0	100	0.00	0.0	7.301	0.000	0	0	1	1
PL.13154	PL.13152	C	4ACSR	14.82Y	123.5	0.00	2.53	0.47	0	7	1	99	0.00	0.0	7.109	0.011	0	0	0	5
PD.1073	PL.13154	C	fuse6AMP	14.82Y	123.5	0.00	2.53	0.47	8	7	1	99	0.00	0.0	7.109	0.000	0	0	0	5
PL.18718	PD.1073	C	4ACSR	14.82Y	123.5	0.00	2.53	0.47	0	7	1	99	0.00	0.0	7.199	0.090	0	0	0	5
PL.19971	PL.18718	C	4ACSR	14.82Y	123.5	0.00	2.53	0.47	0	7	1	99	0.00	0.0	7.242	0.043	0	0	0	5
442316	PL.19971	C	Consumer	14.82Y	123.5	0.00	2.53	0.12	0	2	0	100	0.00	0.0	7.242	0.000	2	0	1	1
PL.22753	PL.19971	C	4ACSR	14.82Y	123.5	0.00	2.54	0.35	0	5	1	98	0.00	0.0	7.386	0.144	0	0	0	4
PL.20532	PL.22753	C	4ACSR	14.82Y	123.5	0.00	2.54	0.35	0	5	1	98	0.00	0.0	7.584	0.198	0	0	0	4
PL.20533	PL.20532	C	4ACSR	14.82Y	123.5	0.00	2.54	0.35	0	5	1	98	0.00	0.0	7.742	0.158	0	0	0	3
PL.23365	PL.20533	C	4ACSR	14.82Y	123.5	0.00	2.54	0.35	0	5	1	98	0.00	0.0	7.847	0.105	0	0	0	3
PL.23364	PL.23365	C	4ACSR	14.82Y	123.5	0.00	2.54	0.35	0	5	1	98	0.00	0.0	7.991	0.145	0	0	0	3
PL.28285	PL.23364	C	4ACSR	14.82Y	123.5	0.00	2.54	0.35	0	5	1	98	0.00	0.0	8.039	0.047	0	0	0	3
PL.23367	PL.28285	C	4ACSR	14.82Y	123.5	0.00	2.54	0.08	0	1	0	100	0.00	0.0	8.124	0.085	0	0	0	1
442322	PL.23367	C	Consumer	14.82Y	123.5	0.00	2.54	0.08	0	1	0	100	0.00	0.0	8.124	0.000	1	0	1	1
PL.23243	PL.28285	C	4ACSR	14.82Y	123.5	0.00	2.54	0.27	0	4	0	100	0.00	0.0	8.099	0.061	0	0	0	2
442320	PL.23243	C	Consumer	14.82Y	123.5	0.00	2.54	0.09	0	1	0	100	0.00	0.0	8.099	0.000	1	0	1	1
442314	PL.23243	C	Consumer	14.82Y	123.5	0.00	2.54	0.19	0	3	0	100	0.00	0.0	8.099	0.000	3	0	1	1
442318	PL.20532	C	Consumer	14.82Y	123.5	0.00	2.54	0.00	0	0	0	100	0.00	0.0	7.584	0.000	0	0	1	1
PL.20531	PL.22753	C	4ACSR	14.82Y	123.5	0.00	2.54	0.00	0	0	0	100	0.00	0.0	7.389	0.003	0	0	0	0
PL.12475	PL.20531	C	4ACSR	14.82Y	123.5	0.00	2.54	0.00	0	0	0	100	0.00	0.0	7.615	0.226	0	0	0	0
442304	PL.20531	C	Consumer	14.82Y	123.5	0.00	2.54	0.00	0	0	0	100	0.00	0.0	7.389	0.000	0	0	0	0
442317	PL.18718	C	Consumer	14.82Y	123.5	0.00	2.53	0.00	0	0	0	100	0.00	0.0	7.199	0.000	0	0	0	0
442310	PL.13708	C	Consumer	14.82Y	123.5	0.00	2.52	0.58	0	9	1	99	0.00	0.0	7.034	0.000	9	1	1	1
PL.24011	PL.13711	C	4ACSR	14.83Y	123.6	0.00	2.45	0.34	0	5	1	98	0.00	0.0	6.643	0.069	0	0	0	1
443302	PL.24011	C	Consumer	14.83Y	123.6	0.00	2.45	0.34	0	5	1	98	0.00	0.0	6.643	0.000	5	1	1	1
PL.23377	PL.19263	C	4ACSR	14.83Y	123.6	0.00	2.44	1.22	1	18	2	99	0.00	0.0	6.584	0.076	0	0	0	1
443311	PL.23377	C	Consumer	14.83Y	123.6	0.00	2.44	1.22	0	18	2	99	0.00	0.0	6.584	0.000	18	2	1	1
445323	PL.19242	C	Consumer	14.89Y	124.0	0.00	1.96	0.03	0	0	0	100	0.00	0.0	4.607	0.000	0	0	1	1
PL.12583	PL.13149	C	4ACSR	14.89Y	124.1	0.00	1.93	5.77	3	85	9	99	0.00	0.0	4.507	0.005	0	0	0	24
PD.382-A	PL.12583	C	Closed	14.89Y	124.1	0.00	1.93	5.77	0	85	9	99	0.00	0.0	4.507	0.000	0	0	0	24
PD.382-B	PD.382-A	C	Closed	14.89Y	124.1	0.00	1.93	5.77	0	85	9	99	0.00	0.0	4.507	0.000	0	0	0	24
PL.12584	PD.382-B	C	4ACSR	14.89Y	124.1	0.01	1.94	5.77	3	85	9	99	0.01	0.0	4.590	0.083	0	0	0	24
445332	PL.12584	C	Consumer	14.89Y	124.1	0.00	1.94	0.68	0	10	1	100	0.00	0.0	4.590	0.000	10	1	1	1
PL.12585	PL.12584	C	4ACSR	14.89Y	124.1	0.00	1.94	5.10	3	75	8	99	0.00	0.0	4.596	0.005	0	0	0	23

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Unbalanced Voltage Drop Report
Source: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.2653	PL.12585	C	25V4E	14.89Y	124.1	0.00	1.94	5.10	20	75	8	99	0.00	0.0	4.596	0.000	0	0	0	23
PL.12586	PD.2653	C	4ACSR	14.89Y	124.1	0.00	1.94	5.10	3	75	8	99	0.00	0.0	4.639	0.044	0	0	0	23
PL.12587	PL.12586	C	4ACSR	14.88Y	124.0	0.01	1.96	4.44	2	66	7	99	0.01	0.0	4.792	0.153	0	0	0	21
PL.28584	PL.12587	C	4ACSR	14.88Y	124.0	0.00	1.96	0.00	0	0	0	100	0.00	0.0	4.859	0.067	0	0	0	0
445302	PL.28584	C	Consumer	14.88Y	124.0	0.00	1.96	0.00	0	0	0	100	0.00	0.0	4.859	0.000	0	0	0	0
PL.12588	PL.12587	C	4ACSR	14.88Y	124.0	0.01	1.97	4.44	2	66	7	99	0.00	0.0	4.879	0.087	0	0	0	21
PL.12589	PL.12588	C	4ACSR	14.88Y	124.0	0.01	1.98	4.19	2	62	7	99	0.01	0.0	5.002	0.123	0	0	0	18
PL.12590	PL.12589	C	4ACSR	14.88Y	124.0	0.02	2.00	3.90	2	58	6	99	0.01	0.0	5.303	0.301	0	0	0	16
PL.38112	PL.12590	C	4ACSR	14.88Y	124.0	0.00	2.00	1.03	1	15	2	99	0.00	0.0	5.314	0.011	0	0	0	5
PD.6612	PL.38112	C	fuse6AMP	14.88Y	124.0	0.00	2.00	1.03	18	15	2	99	0.00	0.0	5.314	0.000	0	0	0	5
PL.41293	PD.6612	C	4ACSR	14.88Y	124.0	0.00	2.00	1.03	1	15	2	99	0.00	0.0	5.375	0.061	0	0	0	5
PL.41292	PL.41293	C	2ACSR	14.88Y	124.0	0.00	2.00	0.00	0	0	0	100	0.00	0.0	5.412	0.037	0	0	0	1
4452015	PL.41292	C	Consumer	14.88Y	124.0	0.00	2.00	0.00	0	0	0	100	0.00	0.0	5.412	0.000	0	0	1	1
PL.41294	PL.41293	C	4ACSR	14.88Y	124.0	0.00	2.00	1.03	1	15	2	99	0.00	0.0	5.403	0.027	0	0	0	4
445208	PL.41294	C	Consumer	14.88Y	124.0	0.00	2.00	0.18	0	3	0	100	0.00	0.0	5.403	0.000	3	0	1	1
PL.20698	PL.41294	C	4ACSR	14.88Y	124.0	0.00	2.00	0.85	0	13	1	100	0.00	0.0	5.409	0.006	0	0	0	3
PL.20699	PL.20698	C	4ACSR	14.88Y	124.0	0.00	2.01	0.85	0	13	1	100	0.00	0.0	5.455	0.046	0	0	0	3
PL.20700	PL.20699	C	4ACSR	14.88Y	124.0	0.00	2.01	0.20	0	3	0	100	0.00	0.0	5.518	0.062	0	0	0	1
444211	PL.20700	C	Consumer	14.88Y	124.0	0.00	2.01	0.20	0	3	0	100	0.00	0.0	5.518	0.000	3	0	1	1
PL.23307	PL.20700	C	4ACSR	14.88Y	124.0	0.00	2.01	0.00	0	0	0	100	0.00	0.0	5.546	0.028	0	0	0	0
PL.23374	PL.23307	C	4ACSR	14.88Y	124.0	0.00	2.01	0.00	0	0	0	100	0.00	0.0	5.639	0.093	0	0	0	0
444205	PL.20699	C	Consumer	14.88Y	124.0	0.00	2.01	0.59	0	9	1	99	0.00	0.0	5.455	0.000	9	1	1	1
444214	PL.20699	C	Consumer	14.88Y	124.0	0.00	2.01	0.07	0	1	0	100	0.00	0.0	5.455	0.000	1	0	1	1
PL.13344	PL.12590	C	4ACSR	14.88Y	124.0	0.00	2.00	2.87	1	42	5	99	0.00	0.0	5.340	0.037	0	0	0	11
PL.13346	PL.13344	C	4ACSR	14.88Y	124.0	0.00	2.01	2.86	1	42	5	99	0.00	0.0	5.390	0.050	0	0	0	10
PL.24901	PL.13346	C	4ACSR	14.88Y	124.0	0.00	2.01	0.95	0	14	2	99	0.00	0.0	5.390	0.000	0	0	0	2
445209	PL.24901	C	Consumer	14.88Y	124.0	0.00	2.01	0.65	0	10	1	100	0.00	0.0	5.390	0.000	10	1	1	1
PL.20695	PL.24901	C	4ACSR	14.88Y	124.0	0.00	2.01	0.30	0	4	0	100	0.00	0.0	5.496	0.105	0	0	0	1
PL.20696	PL.20695	C	4ACSR	14.88Y	124.0	0.00	2.01	0.00	0	0	0	100	0.00	0.0	5.497	0.001	0	0	0	0
445214	PL.20695	C	Consumer	14.88Y	124.0	0.00	2.01	0.30	0	4	0	100	0.00	0.0	5.496	0.000	4	0	1	1
PL.13347	PL.13346	C	4ACSR	14.88Y	124.0	0.00	2.01	1.91	1	28	3	99	0.00	0.0	5.487	0.097	0	0	0	8
PL.13345	PL.13347	C	4ACSR	14.88Y	124.0	0.00	2.02	1.44	1	21	2	100	0.00	0.0	5.627	0.140	0	0	0	5
PL.114	PL.13345	C	4ACSR	14.88Y	124.0	0.00	2.02	1.44	1	21	2	100	0.00	0.0	5.685	0.058	0	0	0	5
PL.6897	PL.114	C	4ACSR	14.88Y	124.0	0.00	2.02	1.17	1	17	2	99	0.00	0.0	5.768	0.083	0	0	0	4
444213	PL.6897	C	Consumer	14.88Y	124.0	0.00	2.02	0.00	0	0	0	100	0.00	0.0	5.768	0.000	0	0	1	1
444204	PL.6897	C	Consumer	14.88Y	124.0	0.00	2.02	0.54	0	8	1	99	0.00	0.0	5.768	0.000	8	1	1	1
PL.6898	PL.6897	C	4ACSR	14.88Y	124.0	0.01	2.02	0.62	0	9	1	99	0.00	0.0	6.148	0.379	0	0	0	2
PL.6899	PL.6898	C	4ACSR	14.88Y	124.0	0.00	2.02	0.00	0	0	0	100	0.00	0.0	6.370	0.222	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: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
444212	PL.6898	C	Consumer	14.88Y	124.0	0.00	2.02	0.14	0	2	0	100	0.00	0.0	6.148	0.000	2	0	1	1
444202	PL.6898	C	Consumer	14.88Y	124.0	0.00	2.02	0.49	0	7	1	99	0.00	0.0	6.148	0.000	7	1	1	1
PL.2743	PL.114	C	4ACSR	14.88Y	124.0	0.00	2.02	0.27	0	4	0	100	0.00	0.0	5.790	0.105	0	0	0	1
445213	PL.2743	C	Consumer	14.88Y	124.0	0.00	2.02	0.27	0	4	0	100	0.00	0.0	5.790	0.000	4	0	1	1
PL.33014	PL.13347	C	4ACSR	14.88Y	124.0	0.00	2.01	0.46	0	7	1	99	0.00	0.0	5.492	0.005	0	0	0	3
PD.3941	PL.33014	C	fuse6AMP	14.88Y	124.0	0.00	2.01	0.46	8	7	1	99	0.00	0.0	5.492	0.000	0	0	0	3
PL.33015	PD.3941	C	4ACSR	14.88Y	124.0	0.00	2.02	0.46	0	7	1	99	0.00	0.0	5.866	0.374	0	0	0	3
445203	PL.33015	C	Consumer	14.88Y	124.0	0.00	2.02	0.24	0	4	0	100	0.00	0.0	5.866	0.000	4	0	1	1
PL.28579	PL.33015	C	4ACSR	14.88Y	124.0	0.00	2.02	0.22	0	3	0	100	0.00	0.0	6.003	0.137	0	0	0	2
445212	PL.28579	C	Consumer	14.88Y	124.0	0.00	2.02	0.05	0	1	0	100	0.00	0.0	6.003	0.000	1	0	1	1
PL.28580	PL.28579	C	4ACSR	14.88Y	124.0	0.00	2.02	0.17	0	3	0	100	0.00	0.0	6.157	0.154	0	0	0	1
PL.28577	PL.28580	C	4ACSR	14.88Y	124.0	0.00	2.02	0.17	0	3	0	100	0.00	0.0	6.262	0.105	0	0	0	1
PL.28578	PL.28577	C	4ACSR	14.88Y	124.0	0.00	2.02	0.17	0	3	0	100	0.00	0.0	6.407	0.145	0	0	0	1
445210	PL.28578	C	Consumer	14.88Y	124.0	0.00	2.02	0.17	0	3	0	100	0.00	0.0	6.407	0.000	3	0	1	1
445205	PL.13344	C	Consumer	14.88Y	124.0	0.00	2.00	0.01	0	0	0	100	0.00	0.0	5.340	0.000	0	0	1	1
PL.20694	PL.12589	C	4ACSR	14.88Y	124.0	0.00	1.98	0.30	0	4	0	100	0.00	0.0	5.132	0.130	0	0	0	2
PL.21028	PL.20694	C	4ACSR	14.88Y	124.0	0.00	1.98	0.30	0	4	0	100	0.00	0.0	5.252	0.120	0	0	0	2
PL.22886	PL.21028	C	4ACSR	14.88Y	124.0	0.00	1.98	0.28	0	4	0	100	0.00	0.0	5.366	0.114	0	0	0	1
445322	PL.22886	C	Consumer	14.88Y	124.0	0.00	1.98	0.28	0	4	0	100	0.00	0.0	5.366	0.000	4	0	1	1
445301	PL.21028	C	Consumer	14.88Y	124.0	0.00	1.98	0.02	0	0	0	100	0.00	0.0	5.252	0.000	0	0	1	1
PL.23375	PL.20694	C	4ACSR	14.88Y	124.0	0.00	1.98	0.00	0	0	0	100	0.00	0.0	5.167	0.035	0	0	0	0
PL.22885	PL.12588	C	4ACSR	14.88Y	124.0	0.00	1.97	0.24	0	4	0	100	0.00	0.0	4.969	0.090	0	0	0	3
PL.28582	PL.22885	C	4ACSR	14.88Y	124.0	0.00	1.97	0.24	0	4	0	100	0.00	0.0	5.052	0.083	0	0	0	3
PL.23322	PL.28582	C	4ACSR	14.88Y	124.0	0.00	1.97	0.23	0	3	0	100	0.00	0.0	5.083	0.031	0	0	0	2
PL.23323	PL.23322	C	4ACSR	14.88Y	124.0	0.00	1.97	0.23	0	3	0	100	0.00	0.0	5.165	0.081	0	0	0	1
445318	PL.23323	C	Consumer	14.88Y	124.0	0.00	1.97	0.23	0	3	0	100	0.00	0.0	5.165	0.000	3	0	1	1
445325	PL.23322	C	Consumer	14.88Y	124.0	0.00	1.97	0.00	0	0	0	100	0.00	0.0	5.083	0.000	0	0	1	1
PL.28583	PL.28582	C	4ACSR	14.88Y	124.0	0.00	1.97	0.01	0	0	0	100	0.00	0.0	5.129	0.077	0	0	0	1
445315	PL.28583	C	Consumer	14.88Y	124.0	0.00	1.97	0.01	0	0	0	100	0.00	0.0	5.129	0.000	0	0	1	1
PL.2740	PL.12586	C	4ACSR	14.89Y	124.1	0.00	1.94	0.66	0	10	1	100	0.00	0.0	4.704	0.065	0	0	0	2
445331	PL.2740	C	Consumer	14.89Y	124.1	0.00	1.94	0.53	0	8	1	99	0.00	0.0	4.704	0.000	8	1	1	1
445303	PL.2740	C	Consumer	14.89Y	124.1	0.00	1.94	0.13	0	2	0	100	0.00	0.0	4.704	0.000	2	0	1	1
PL.2742	PL.13148	C	4ACSR	14.89Y	124.1	0.00	1.91	0.00	0	0	0	100	0.00	0.0	4.512	0.059	0	0	0	1
445329	PL.2742	C	Consumer	14.89Y	124.1	0.00	1.91	0.00	0	0	0	100	0.00	0.0	4.512	0.000	0	0	1	1
445335	PL.19425	C	Consumer	14.89Y	124.1	0.00	1.88	0.03	0	0	0	100	0.00	0.0	4.386	0.000	0	0	1	1
445307	PL.19425	C	Consumer	14.89Y	124.1	0.00	1.88	0.19	0	3	0	100	0.00	0.0	4.386	0.000	3	0	1	1
445306	PL.19425	C	Consumer	14.89Y	124.1	0.00	1.88	0.19	0	3	0	100	0.00	0.0	4.386	0.000	3	0	1	1
PL.2741	PL.19425	C	4ACSR	14.89Y	124.1	0.00	1.88	0.43	0	6	1	99	0.00	0.0	4.512	0.126	0	0	0	1

Unbalanced Voltage Drop Report
Source: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
445334	PL.2741	C	Consumer	14.89Y	124.1	0.00	1.88	0.43	0	6	1	99	0.00	0.0	4.512	0.000	6	1	1	1
445311	PL.12533	C	Consumer	14.92Y	124.3	0.00	1.67	0.35	0	5	1	98	0.00	0.0	3.883	0.000	5	1	1	1
PL.2737	PL.12535	C	4ACSR	14.93Y	124.4	0.00	1.55	0.47	0	7	1	99	0.00	0.0	3.701	0.088	0	0	0	2
445312	PL.2737	C	Consumer	14.93Y	124.4	0.00	1.55	0.45	0	7	1	99	0.00	0.0	3.701	0.000	7	1	1	1
445328	PL.2737	C	Consumer	14.93Y	124.4	0.00	1.55	0.03	0	0	0	100	0.00	0.0	3.701	0.000	0	0	1	1
PL.2733	PL.13147	C	4ACSR	14.95Y	124.6	0.01	1.42	1.17	1	17	2	99	0.00	0.0	3.553	0.243	0	0	0	5
PL.13142	PL.2733	C	4ACSR	14.95Y	124.6	0.00	1.42	1.17	1	17	2	99	0.00	0.0	3.611	0.058	0	0	0	5
PL.2736	PL.13142	C	4ACSR	14.95Y	124.6	0.00	1.42	0.00	0	0	0	100	0.00	0.0	3.694	0.083	0	0	0	0
PL.2735	PL.13142	C	4ACSR	14.95Y	124.6	0.00	1.42	0.00	0	0	0	100	0.00	0.0	3.693	0.082	0	0	0	1
445305	PL.2735	C	Consumer	14.95Y	124.6	0.00	1.42	0.00	0	0	0	100	0.00	0.0	3.693	0.000	0	0	1	1
PL.13143	PL.13142	C	4ACSR	14.95Y	124.6	0.00	1.42	0.02	0	0	0	100	0.00	0.0	3.681	0.070	0	0	0	2
PL.2734	PL.13143	C	4ACSR	14.95Y	124.6	0.00	1.42	0.02	0	0	0	100	0.00	0.0	3.798	0.116	0	0	0	2
446311	PL.2734	C	Consumer	14.95Y	124.6	0.00	1.42	0.00	0	0	0	100	0.00	0.0	3.798	0.000	0	0	1	1
446309	PL.2734	C	Consumer	14.95Y	124.6	0.00	1.42	0.02	0	0	0	100	0.00	0.0	3.798	0.000	0	0	1	1
PL.2732	PL.2734	C	4ACSR	14.95Y	124.6	0.00	1.42	0.00	0	0	0	100	0.00	0.0	3.868	0.071	0	0	0	0
446315	PL.13142	C	Consumer	14.95Y	124.6	0.00	1.42	0.37	0	6	1	99	0.00	0.0	3.611	0.000	6	1	1	1
446327	PL.13142	C	Consumer	14.95Y	124.6	0.00	1.42	0.78	0	12	1	100	0.00	0.0	3.611	0.000	12	1	1	1
PL.13144	PL.13146	C	4ACSR	14.96Y	124.7	0.00	1.35	0.85	0	13	1	100	0.00	0.0	3.402	0.236	0	0	0	3
PL.42964	PL.13144	C	4ACSR	14.96Y	124.7	0.00	1.35	0.65	0	10	1	100	0.00	0.0	3.405	0.004	0	0	0	1
PD.8103	PL.42964	C	fuse6AMP	14.96Y	124.7	0.00	1.35	0.65	11	10	1	100	0.00	0.0	3.405	0.000	0	0	0	1
PL.42965	PD.8103	C	4ACSR	14.96Y	124.7	0.00	1.35	0.65	0	10	1	100	0.00	0.0	3.434	0.029	0	0	0	1
PL.24904	PL.42965	C	4ACSR	14.96Y	124.7	0.00	1.35	0.00	0	0	0	100	0.00	0.0	3.534	0.100	0	0	0	0
446332	PL.42965	C	Consumer	14.96Y	124.7	0.00	1.35	0.65	0	10	1	100	0.00	0.0	3.434	0.000	10	1	1	1
PL.42966	PD.8103	C	2ACSR	14.96Y	124.7	0.00	1.35	0.00	0	0	0	100	0.00	0.0	3.470	0.064	0	0	0	0
4463033	PL.42966	C	Consumer	14.96Y	124.7	0.00	1.35	0.00	0	0	0	100	0.00	0.0	3.470	0.000	0	0	0	0
PL.19587	PL.13144	C	4ACSR	14.96Y	124.7	0.00	1.35	0.20	0	3	0	100	0.00	0.0	3.444	0.042	0	0	0	2
446310	PL.19587	C	Consumer	14.96Y	124.7	0.00	1.35	0.07	0	1	0	100	0.00	0.0	3.444	0.000	1	0	1	1
PL.19588	PL.19587	C	4ACSR	14.96Y	124.7	0.00	1.35	0.13	0	2	0	100	0.00	0.0	3.498	0.054	0	0	0	1
PL.24760	PL.19588	C	4ACSR	14.96Y	124.7	0.00	1.35	0.13	0	2	0	100	0.00	0.0	3.673	0.175	0	0	0	1
446301	PL.24760	C	Consumer	14.96Y	124.7	0.00	1.35	0.13	0	2	0	100	0.00	0.0	3.673	0.000	2	0	1	1
PL.13136	PL.13135	C	4ACSR	14.97Y	124.8	0.00	1.24	1.93	1	29	3	99	0.00	0.0	2.979	0.014	0	0	0	10
PD.2470	PL.13136	C	25V4E	14.97Y	124.8	0.00	1.24	1.93	8	29	3	99	0.00	0.0	2.979	0.000	0	0	0	10
PL.13137	PD.2470	C	4ACSR	14.97Y	124.8	0.00	1.24	1.93	1	29	3	99	0.00	0.0	3.046	0.067	0	0	0	10
446323	PL.13137	C	Consumer	14.97Y	124.8	0.00	1.24	0.00	0	0	0	100	0.00	0.0	3.046	0.000	0	0	1	1
446326	PL.13137	C	Consumer	14.97Y	124.8	0.00	1.24	0.00	0	0	0	100	0.00	0.0	3.046	0.000	0	0	0	0
446305	PL.13137	C	Consumer	14.97Y	124.8	0.00	1.24	0.18	0	3	0	100	0.00	0.0	3.046	0.000	3	0	1	1
PL.24756	PL.13137	C	4ACSR	14.97Y	124.7	0.01	1.26	1.75	1	26	3	99	0.00	0.0	3.435	0.388	0	0	0	8
PL.13138	PL.24756	C	4ACSR	14.97Y	124.7	0.01	1.26	1.75	1	26	3	99	0.00	0.0	3.616	0.182	0	0	0	8

Unbalanced Voltage Drop Report
Source: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.2752	PL.13138	C	4ACSR	14.97Y	124.7	0.00	1.27	1.09	1	16	2	99	0.00	0.0	3.700	0.084	0	0	0	4
PL.13140	PL.2752	C	4ACSR	14.97Y	124.7	0.00	1.27	1.09	1	16	2	99	0.00	0.0	3.823	0.122	0	0	0	3
446411	PL.13140	C	Consumer	14.97Y	124.7	0.00	1.27	0.11	0	2	0	100	0.00	0.0	3.823	0.000	2	0	1	1
446406	PL.13140	C	Consumer	14.97Y	124.7	0.00	1.27	0.50	0	7	1	99	0.00	0.0	3.823	0.000	7	1	1	1
PL.33932	PL.13140	C	4ACSR	14.97Y	124.7	0.00	1.27	0.48	0	7	1	99	0.00	0.0	3.869	0.046	0	0	0	1
PL.33933	PL.33932	C	4ACSR	14.97Y	124.7	0.00	1.27	0.48	0	7	1	99	0.00	0.0	3.920	0.051	0	0	0	1
PL.45824	PL.33933	C	2ACSR	14.97Y	124.7	0.00	1.27	0.00	0	0	0	100	0.00	0.0	4.017	0.097	0	0	0	0
4464016	PL.45824	C	Consumer	14.97Y	124.7	0.00	1.27	0.00	0	0	0	100	0.00	0.0	4.017	0.000	0	0	0	0
446407	PL.33933	C	Consumer	14.97Y	124.7	0.00	1.27	0.48	0	7	1	99	0.00	0.0	3.920	0.000	7	1	1	1
446404	PL.2752	C	Consumer	14.97Y	124.7	0.00	1.27	0.00	0	0	0	100	0.00	0.0	3.700	0.000	0	0	1	1
446405	PL.13138	C	Consumer	14.97Y	124.7	0.00	1.26	0.00	0	0	0	100	0.00	0.0	3.616	0.000	0	0	0	0
PL.33935	PL.13138	C	4ACSR	14.97Y	124.7	0.00	1.27	0.66	0	10	1	100	0.00	0.0	3.882	0.265	0	0	0	4
PL.45467	PL.33935	C	4ACSR	14.97Y	124.7	0.00	1.27	0.31	0	5	1	98	0.00	0.0	3.923	0.041	0	0	0	3
PD.8651	PL.45467	C	fuse6AMP	14.97Y	124.7	0.00	1.27	0.31	5	5	1	98	0.00	0.0	3.923	0.000	0	0	0	3
PL.45468	PD.8651	C	4ACSR	14.97Y	124.7	0.00	1.27	0.31	0	5	1	98	0.00	0.0	3.979	0.056	0	0	0	3
PL.40776	PL.45468	C	4ACSR	14.97Y	124.7	0.00	1.27	0.20	0	3	0	100	0.00	0.0	4.124	0.145	0	0	0	2
PL.2751	PL.40776	C	4ACSR	14.97Y	124.7	0.00	1.27	0.00	0	0	0	100	0.00	0.0	4.229	0.105	0	0	0	0
PL.24905	PL.40776	C	4ACSR	14.97Y	124.7	0.00	1.27	0.20	0	3	0	100	0.00	0.0	4.269	0.146	0	0	0	2
PL.26537	PL.24905	C	4ACSR	14.97Y	124.7	0.00	1.27	0.00	0	0	0	100	0.00	0.0	4.330	0.061	0	0	0	1
PL.26538	PL.26537	C	4ACSR	14.97Y	124.7	0.00	1.27	0.00	0	0	0	100	0.00	0.0	4.450	0.120	0	0	0	0
PL.6527	PL.26537	C	4ACSR	14.97Y	124.7	0.00	1.27	0.00	0	0	0	100	0.00	0.0	4.425	0.095	0	0	0	1
447420	PL.6527	C	Consumer	14.97Y	124.7	0.00	1.27	0.00	0	0	0	100	0.00	0.0	4.425	0.000	0	0	1	1
PL.6528	PL.6527	C	4ACSR	14.97Y	124.7	0.00	1.27	0.00	0	0	0	100	0.00	0.0	4.425	0.000	0	0	0	0
447424	PL.24905	C	Consumer	14.97Y	124.7	0.00	1.27	0.20	0	3	0	100	0.00	0.0	4.269	0.000	3	0	1	1
PL.6526	PL.24905	C	4ACSR	14.97Y	124.7	0.00	1.27	0.00	0	0	0	100	0.00	0.0	4.271	0.002	0	0	0	0
4464015	PL.45468	C	Consumer	14.97Y	124.7	0.00	1.27	0.10	0	2	0	100	0.00	0.0	3.979	0.000	2	0	1	1
PL.33934	PL.33935	C	2ACSR	14.97Y	124.7	0.00	1.27	0.35	0	5	1	98	0.00	0.0	3.928	0.046	0	0	0	1
4464014	PL.33934	C	Consumer	14.97Y	124.7	0.00	1.27	0.35	0	5	1	98	0.00	0.0	3.928	0.000	5	1	1	1
PL.2726	PL.13132	C	4ACSR	15.00Y	125.0	0.00	1.04	0.10	0	2	0	100	0.00	0.0	2.757	0.155	0	0	0	2
446328	PL.2726	C	Consumer	15.00Y	125.0	0.00	1.04	0.04	0	1	0	100	0.00	0.0	2.757	0.000	1	0	1	1
446329	PL.2726	C	Consumer	15.00Y	125.0	0.00	1.04	0.06	0	1	0	100	0.00	0.0	2.757	0.000	1	0	1	1
447319	PL.13114	C	Consumer	15.03Y	125.2	0.00	0.75	0.00	0	0	0	100	0.00	0.0	2.113	0.000	0	0	1	1
PL.24074	PL.13113	C	4ACSR	15.04Y	125.4	0.00	0.63	0.41	0	6	1	99	0.00	0.0	1.976	0.061	0	0	0	1
447305	PL.24074	C	Consumer	15.04Y	125.4	0.00	0.63	0.41	0	6	1	99	0.00	0.0	1.976	0.000	6	1	1	1
447331	PL.13112	C	Consumer	15.05Y	125.4	0.00	0.57	0.00	0	0	0	100	0.00	0.0	1.817	0.000	0	0	1	1
PL.13108	PL.8603	A	336ACSR	15.12Y	126.0	0.01	0.01	49.09	7	737	90	99	0.60	0.0	1.841	0.115	0	0	0	159
		B		15.02Y	125.1	0.05	0.87	91.14	12	1355	196	99					0	0	0	274
		C		15.06Y	125.5	0.02	0.54	87.06	12	1301	164	99					0	0	0	257
PL.13109	PL.13108	B	4ACSR	15.02Y	125.1	0.00	0.87	1.13	1	15	7	91	0.00	0.0	1.851	0.010	0	0	0	3

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: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.1489	PL.13109	B	fuse6AMP	15.02Y	125.1	0.00	0.87	1.13	19	15	7	91	0.00	0.0	1.851	0.000	0	0	0	3
PL.13110	PD.1489	B	4ACSR	15.02Y	125.1	0.00	0.87	1.13	1	15	7	91	0.00	0.0	1.918	0.067	0	0	0	3
447328	PL.13110	B	Consumer	15.02Y	125.1	0.00	0.87	0.46	0	6	3	89	0.00	0.0	1.918	0.000	6	3	1	1
447329	PL.13110	B	Consumer	15.02Y	125.1	0.00	0.87	0.54	0	7	4	87	0.00	0.0	1.918	0.000	7	4	1	1
447327	PL.13110	B	Consumer	15.02Y	125.1	0.00	0.87	0.13	0	2	1	89	0.00	0.0	1.918	0.000	2	1	1	1
PL.13116	PL.13108	A	336ACSR	15.12Y	126.0	0.01	0.02	49.09	7	737	90	99	0.53	0.0	1.944	0.103	0	0	0	159
		B		15.01Y	125.1	0.04	0.91	90.06	12	1339	188	99					0	0	0	271
		C		15.05Y	125.4	0.02	0.56	87.06	12	1301	164	99					0	0	0	257
PL.13119	PL.13116	A	336ACSR	15.12Y	126.0	0.01	0.03	49.09	7	737	90	99	0.42	0.0	2.027	0.083	0	0	0	159
		B		15.01Y	125.1	0.03	0.94	90.06	12	1339	187	99					0	0	0	271
		C		15.05Y	125.4	0.01	0.57	87.06	12	1300	163	99					0	0	0	256
PL.13122	PL.13119	C	4ACSR	15.05Y	125.4	0.00	0.57	1.72	1	26	3	99	0.00	0.0	2.039	0.012	0	0	0	5
PD.1494	PL.13122	C	fuse6AMP	15.05Y	125.4	0.00	0.57	1.72	29	26	3	99	0.00	0.0	2.039	0.000	0	0	0	5
PL.13121	PD.1494	C	4ACSR	15.05Y	125.4	0.00	0.57	1.72	1	26	3	99	0.00	0.0	2.087	0.048	0	0	0	5
PL.2759	PL.13121	C	4ACSR	15.05Y	125.4	0.00	0.57	0.32	0	5	1	98	0.00	0.0	2.127	0.040	0	0	0	1
447308	PL.2759	C	Consumer	15.05Y	125.4	0.00	0.57	0.32	0	5	1	98	0.00	0.0	2.127	0.000	5	1	1	1
PL.2760	PL.13121	C	4ACSR	15.05Y	125.4	0.00	0.57	0.26	0	4	0	100	0.00	0.0	2.131	0.044	0	0	0	1
447302	PL.2760	C	Consumer	15.05Y	125.4	0.00	0.57	0.26	0	4	0	100	0.00	0.0	2.131	0.000	4	0	1	1
447318	PL.13121	C	Consumer	15.05Y	125.4	0.00	0.57	0.00	0	0	0	100	0.00	0.0	2.087	0.000	0	0	1	1
447311	PL.13121	C	Consumer	15.05Y	125.4	0.00	0.57	0.80	0	12	1	100	0.00	0.0	2.087	0.000	12	1	1	1
447310	PL.13121	C	Consumer	15.05Y	125.4	0.00	0.57	0.35	0	5	1	98	0.00	0.0	2.087	0.000	5	1	1	1
PL.13123	PL.13119	A	4ACSR	15.12Y	126.0	0.00	0.03	0.29	0	4	0	100	0.00	0.0	2.036	0.009	0	0	0	2
PD.7	PL.13123	A	fuse6AMP	15.12Y	126.0	0.00	0.03	0.29	5	4	0	100	0.00	0.0	2.036	0.000	0	0	0	2
PL.13124	PD.7	A	4ACSR	15.12Y	126.0	0.00	0.03	0.29	0	4	0	100	0.00	0.0	2.111	0.075	0	0	0	2
447312	PL.13124	A	Consumer	15.12Y	126.0	0.00	0.03	0.04	0	1	0	100	0.00	0.0	2.111	0.000	1	0	1	1
447316	PL.13124	A	Consumer	15.12Y	126.0	0.00	0.03	0.25	0	4	0	100	0.00	0.0	2.111	0.000	4	0	1	1
PL.13120	PL.13119	A	336ACSR	15.12Y	126.0	0.01	0.03	48.80	7	732	89	99	0.41	0.0	2.107	0.080	0	0	0	157
		B		15.00Y	125.0	0.03	0.97	90.06	12	1339	186	99					0	0	0	271
		C		15.05Y	125.4	0.01	0.58	85.34	12	1275	160	99					0	0	0	251
PL.8602	PL.13120	A	336ACSR	15.11Y	125.9	0.02	0.06	48.80	7	732	89	99	1.17	0.0	2.339	0.232	0	0	0	157
		B		14.99Y	124.9	0.09	1.07	90.06	12	1338	186	99					0	0	0	271
		C		15.05Y	125.4	0.04	0.62	85.34	12	1274	159	99					0	0	0	251
PL.13125	PL.8602	A	336ACSR	15.11Y	125.9	0.02	0.07	48.80	7	732	89	99	0.89	0.0	2.516	0.176	0	0	0	157
		B		14.98Y	124.9	0.07	1.14	90.06	12	1338	185	99					0	0	0	271
		C		15.04Y	125.4	0.03	0.65	85.34	12	1274	158	99					0	0	0	251
PL.13127	PL.13125	C	4ACSR	15.04Y	125.4	0.00	0.65	1.11	1	17	2	99	0.00	0.0	2.535	0.019	0	0	0	2
PD.1490	PL.13127	C	fuse6AMP	15.04Y	125.4	0.00	0.65	1.11	19	17	2	99	0.00	0.0	2.535	0.000	0	0	0	2
PL.13128	PD.1490	C	4ACSR	15.04Y	125.3	0.00	0.65	1.11	1	17	2	99	0.00	0.0	2.599	0.064	0	0	0	2
PL.6468	PL.13128	C	4ACSR	15.04Y	125.3	0.00	0.65	0.62	0	9	1	99	0.00	0.0	2.634	0.035	0	0	0	1
447326	PL.6468	C	Consumer	15.04Y	125.3	0.00	0.65	0.62	0	9	1	99	0.00	0.0	2.634	0.000	9	1	1	1
PL.13126	PL.13128	C	4ACSR	15.04Y	125.3	0.00	0.65	0.49	0	7	1	99	0.00	0.0	2.658	0.059	0	0	0	1
447330	PL.13126	C	Consumer	15.04Y	125.3	0.00	0.65	0.49	0	7	1	99	0.00	0.0	2.658	0.000	7	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: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.13129	PL.13125	A	336ACSR	15.11Y	125.9	0.01	0.08	48.80	7	732	89	99	0.27	0.0	2.570	0.054	0	0	0	157
		B		14.98Y	124.8	0.02	1.16	90.06	12	1337	184	99					0	0	0	271
		C		15.04Y	125.3	0.01	0.66	84.23	12	1257	155	99					0	0	0	249
PL.13130	PL.13129	A	4ACSR	15.11Y	125.9	0.00	0.08	0.10	0	1	0	100	0.00	0.0	2.583	0.014	0	0	0	1
PD.1495	PL.13130	A	fuse6AMP	15.11Y	125.9	0.00	0.08	0.10	2	1	0	100	0.00	0.0	2.583	0.000	0	0	0	1
PL.13131	PD.1495	A	4ACSR	15.11Y	125.9	0.00	0.08	0.10	0	1	0	100	0.00	0.0	2.610	0.027	0	0	0	1
447301	PL.13131	A	Consumer	15.11Y	125.9	0.00	0.08	0.10	0	1	0	100	0.00	0.0	2.610	0.000	1	0	1	1
PL.26539	PL.13129	A	336ACSR	15.11Y	125.9	0.01	0.09	48.70	7	731	89	99	0.60	0.0	2.690	0.120	0	0	0	156
		B		14.97Y	124.8	0.05	1.21	90.06	12	1337	183	99					0	0	0	271
		C		15.04Y	125.3	0.02	0.67	84.23	12	1257	155	99					0	0	0	249
PL.26542	PL.26539	C	4ACSR	15.04Y	125.3	0.00	0.68	0.74	0	11	1	100	0.00	0.0	2.698	0.009	0	0	0	2
PD.1491	PL.26542	C	fuse6AMP	15.04Y	125.3	0.00	0.68	0.74	13	11	1	100	0.00	0.0	2.698	0.000	0	0	0	2
PL.26541	PD.1491	C	4ACSR	15.04Y	125.3	0.00	0.68	0.74	0	11	1	100	0.00	0.0	2.753	0.054	0	0	0	2
447260	PL.26541	C	Consumer	15.04Y	125.3	0.00	0.68	0.60	0	9	1	99	0.00	0.0	2.753	0.000	9	1	1	1
447242	PL.26541	C	Consumer	15.04Y	125.3	0.00	0.68	0.14	0	2	0	100	0.00	0.0	2.753	0.000	2	0	1	1
PL.26545	PL.26539	A	336ACSR	15.11Y	125.9	0.01	0.10	48.58	7	729	88	99	0.33	0.0	2.757	0.067	0	0	0	155
		B		14.97Y	124.8	0.03	1.24	90.06	12	1336	183	99					0	0	0	271
		C		15.04Y	125.3	0.01	0.68	83.48	11	1246	153	99					0	0	0	247
PL.26546	PL.26545	A	336ACSR	15.11Y	125.9	0.00	0.10	48.58	7	729	88	99	0.16	0.0	2.790	0.033	0	0	0	155
		B		14.97Y	124.7	0.01	1.25	90.06	12	1336	182	99					0	0	0	271
		C		15.04Y	125.3	0.00	0.69	83.48	11	1246	152	99					0	0	0	247
PL.45926	PL.26546	C	4ACSR	15.04Y	125.3	0.00	0.69	3.72	2	56	6	99	0.00	0.0	2.800	0.010	0	0	0	8
PD.8688	PL.45926	C	fuse6AMP	15.04Y	125.3	0.00	0.69	3.72	64	56	6	99	0.00	0.0	2.800	0.000	0	0	0	8
PL.45927	PD.8688	C	4ACSR	15.04Y	125.3	0.00	0.69	3.72	2	56	6	99	0.00	0.0	2.811	0.012	0	0	0	8
PL.45925	PL.45927	C	4ACSR	15.04Y	125.3	0.01	0.70	3.59	2	54	6	99	0.00	0.0	2.928	0.117	0	0	0	7
447252	PL.45925	C	Consumer	15.04Y	125.3	0.00	0.70	0.49	0	7	1	99	0.00	0.0	2.928	0.000	7	1	1	1
PL.20662	PL.45925	C	4ACSR	15.04Y	125.3	0.00	0.70	3.09	2	46	5	99	0.00	0.0	2.952	0.024	0	0	0	6
PL.20663	PL.20662	C	4ACSR	15.04Y	125.3	0.00	0.71	3.09	2	46	5	99	0.00	0.0	2.999	0.047	0	0	0	6
PL.6465	PL.20663	C	4ACSR	15.04Y	125.3	0.00	0.71	2.52	1	38	4	99	0.00	0.0	3.040	0.041	0	0	0	5
447224	PL.6465	C	Consumer	15.04Y	125.3	0.00	0.71	0.02	0	0	0	100	0.00	0.0	3.040	0.000	0	0	1	1
PL.26548	PL.6465	C	4ACSR	15.03Y	125.3	0.01	0.72	2.50	1	37	4	99	0.00	0.0	3.209	0.169	0	0	0	4
PL.26549	PL.26548	C	4ACSR	15.03Y	125.3	0.00	0.72	0.00	0	0	0	100	0.00	0.0	3.388	0.180	0	0	0	1
PL.8601	PL.26549	C	4ACSR	15.03Y	125.3	0.00	0.72	0.00	0	0	0	100	0.00	0.0	3.470	0.082	0	0	0	1
447313	PL.8601	C	Consumer	15.03Y	125.3	0.00	0.72	0.00	0	0	0	100	0.00	0.0	3.470	0.000	0	0	1	1
PL.24073	PL.26548	C	4ACSR	15.03Y	125.3	0.01	0.72	2.50	1	37	4	99	0.00	0.0	3.307	0.098	0	0	0	3
447241	PL.24073	C	Consumer	15.03Y	125.3	0.00	0.72	1.06	0	16	2	99	0.00	0.0	3.307	0.000	16	2	1	1
447234	PL.24073	C	Consumer	15.03Y	125.3	0.00	0.72	0.82	0	12	1	100	0.00	0.0	3.307	0.000	12	1	1	1
447235	PL.24073	C	Consumer	15.03Y	125.3	0.00	0.72	0.61	0	9	1	99	0.00	0.0	3.307	0.000	9	1	1	1
447258	PL.20663	C	Consumer	15.04Y	125.3	0.00	0.71	0.58	0	9	1	99	0.00	0.0	2.999	0.000	9	1	1	1
447216	PL.45927	C	Consumer	15.04Y	125.3	0.00	0.69	0.13	0	2	0	100	0.00	0.0	2.811	0.000	2	0	1	1
PL.118	PL.26546	A	336ACSR	15.11Y	125.9	0.01	0.10	48.58	7	729	88	99	0.23	0.0	2.837	0.048	0	0	0	155
		B		14.97Y	124.7	0.02	1.27	90.06	12	1336	182	99					0	0	0	271
		C		15.04Y	125.3	0.01	0.70	79.77	11	1191	146	99					0	0	0	239

Unbalanced Voltage Drop Report
Source: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.26550	PL.118	A	336ACSR	15.11Y	125.9	0.00	0.11	48.58	7	729	88	99	0.18	0.0	2.875	0.037	0	0	0	155
		B		14.97Y	124.7	0.01	1.28	90.06	12	1336	182	99					0	0	0	271
		C		15.04Y	125.3	0.00	0.70	79.77	11	1190	146	99					0	0	0	239
PL.26551	PL.26550	A	336ACSR	15.11Y	125.9	0.01	0.12	48.58	7	729	88	99	0.36	0.0	2.952	0.077	0	0	0	155
		B		14.96Y	124.7	0.03	1.31	88.92	12	1319	180	99					0	0	0	268
		C		15.03Y	125.3	0.01	0.71	79.19	11	1182	145	99					0	0	0	238
447251	PL.26551	B	Consumer	14.96Y	124.7	0.00	1.31	0.81	0	12	1	100	0.00	0.0	2.952	0.000	12	1	1	1
PL.13646	PL.26551	A	336ACSR	15.11Y	125.9	0.01	0.12	48.58	7	728	88	99	0.25	0.0	3.005	0.053	0	0	0	155
		B		14.96Y	124.7	0.02	1.33	88.12	12	1306	178	99					0	0	0	267
		C		15.03Y	125.3	0.01	0.72	79.19	11	1182	144	99					0	0	0	238
PL.13647	PL.13646	A	4ACSR	15.11Y	125.9	0.00	0.12	0.54	0	8	1	99	0.00	0.0	3.013	0.008	0	0	0	1
PD.1492	PL.13647	A	fuse6AMP	15.11Y	125.9	0.00	0.12	0.54	9	8	1	99	0.00	0.0	3.013	0.000	0	0	0	1
PL.13648	PD.1492	A	4ACSR	15.11Y	125.9	0.00	0.12	0.54	0	8	1	99	0.00	0.0	3.028	0.016	0	0	0	1
447257	PL.13648	A	Consumer	15.11Y	125.9	0.00	0.12	0.54	0	8	1	99	0.00	0.0	3.028	0.000	8	1	1	1
PL.13649	PL.13646	A	336ACSR	15.11Y	125.9	-0.00	0.12	0.00	0	0	0	100	0.00	0.0	3.121	0.116	0	0	0	0
		B		14.96Y	124.7	0.00	1.34	0.00	0	0	0	100					0	0	0	0
		C		15.03Y	125.3	0.00	0.72	1.67	0	25	3	99					0	0	0	3
PL.24064	PL.13649	C	4ACSR	15.03Y	125.3	0.00	0.72	0.44	0	7	1	99	0.00	0.0	3.191	0.070	0	0	0	1
447256	PL.24064	C	Consumer	15.03Y	125.3	0.00	0.72	0.44	0	7	1	99	0.00	0.0	3.191	0.000	7	1	1	1
PL.27950	PL.13649	A	336ACSR	15.11Y	125.9	-0.00	0.12	0.00	0	0	0	100	0.00	0.0	3.176	0.055	0	0	0	0
		B		14.96Y	124.7	0.00	1.34	0.00	0	0	0	100					0	0	0	0
		C		15.03Y	125.3	0.00	0.72	1.22	0	18	2	99					0	0	0	2
PL.27951	PL.27950	A	336ACSR	15.11Y	125.9	-0.00	0.12	0.00	0	0	0	100	0.00	0.0	3.305	0.129	0	0	0	0
		B		14.96Y	124.7	0.00	1.34	0.00	0	0	0	100					0	0	0	0
		C		15.03Y	125.3	0.00	0.72	0.67	0	10	1	99					0	0	0	1
447238	PL.27951	C	Consumer	15.03Y	125.3	0.00	0.72	0.67	0	10	1	100	0.00	0.0	3.305	0.000	10	1	1	1
447255	PL.27950	C	Consumer	15.03Y	125.3	0.00	0.72	0.55	0	8	1	99	0.00	0.0	3.176	0.000	8	1	1	1
PL.13650	PL.13646	A	336ACSR	15.10Y	125.9	0.01	0.13	48.03	7	720	87	99	0.31	0.0	3.073	0.068	0	0	0	154
		B		14.96Y	124.6	0.03	1.36	88.12	12	1306	178	99					0	0	0	267
		C		15.03Y	125.3	0.01	0.73	77.52	11	1157	141	99					0	0	0	235
PL.13651	PL.13650	A	336ACSR	15.10Y	125.9	0.02	0.15	48.03	7	720	87	99	0.74	0.0	3.245	0.172	0	0	0	154
		B		14.95Y	124.6	0.06	1.42	83.51	11	1238	170	99					0	0	0	260
		C		15.03Y	125.2	0.03	0.75	77.52	11	1157	141	99					0	0	0	235
PL.13657	PL.13651	A	336ACSR	15.10Y	125.8	0.01	0.16	48.03	7	720	87	99	0.32	0.0	3.319	0.074	0	0	0	154
		B		14.95Y	124.5	0.03	1.45	83.51	11	1237	169	99					0	0	0	260
		C		15.03Y	125.2	0.01	0.76	77.52	11	1157	140	99					0	0	0	235
PL.24072	PL.13657	C	4ACSR	15.03Y	125.2	0.00	0.77	1.10	1	16	2	99	0.00	0.0	3.400	0.080	0	0	0	3
447212	PL.24072	C	Consumer	15.03Y	125.2	0.00	0.77	0.10	0	1	0	100	0.00	0.0	3.400	0.000	1	0	1	1
447221	PL.24072	C	Consumer	15.03Y	125.2	0.00	0.77	0.78	0	12	1	100	0.00	0.0	3.400	0.000	12	1	1	1
447229	PL.24072	C	Consumer	15.03Y	125.2	0.00	0.77	0.22	0	3	0	100	0.00	0.0	3.400	0.000	3	0	1	1
PL.13658	PL.13657	A	336ACSR	15.10Y	125.8	0.01	0.16	48.03	7	720	87	99	0.36	0.0	3.404	0.085	0	0	0	154
		B		14.94Y	124.5	0.03	1.48	83.51	11	1237	169	99					0	0	0	260
		C		15.03Y	125.2	0.01	0.78	76.43	10	1140	138	99					0	0	0	232
PL.20544	PL.13658	A	6ACWC	15.10Y	125.8	0.03	0.19	22.43	12	337	38	99	0.30	0.0	3.467	0.063	0	0	0	80
		B		14.94Y	124.5	0.04	1.52	31.83	17	472	61	99					0	0	0	116
		C		15.02Y	125.2	0.03	0.80	24.54	13	366	42	99					0	0	0	80
PD.3666	PL.20544	A	50V4E	15.10Y	125.8	0.00	0.19	22.43	45	336	38	99	0.00	0.0	3.467	0.000	0	0	0	80
		B		14.94Y	124.5	0.00	1.52	31.83	0	472	61	99					0	0	0	116
		C		15.02Y	125.2	0.00	0.80	24.54	49	366	42	99					0	0	0	80

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: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.20545	PD.3666	A	6ACWC	15.10Y	125.8	0.01	0.20	22.43	12	336	38	99	0.09	0.0	3.487	0.019	0	0	0	80
		B		14.94Y	124.5	0.01	1.53	31.83	17	472	61	99					0	0	0	116
		C		15.02Y	125.2	0.01	0.81	24.54	13	366	42	99					0	0	0	80
PL.26644	PL.20545	A	6ACWC	15.10Y	125.8	0.00	0.21	22.43	12	336	38	99	0.04	0.0	3.495	0.009	0	0	0	80
		B		14.94Y	124.5	0.01	1.54	31.83	17	471	61	99					0	0	0	116
		C		15.02Y	125.2	0.00	0.81	24.37	13	364	42	99					0	0	0	79
PD.391-A	PL.26644	A	Closed	15.10Y	125.8	0.00	0.21	22.43	0	336	38	99	0.00	0.0	3.495	0.000	0	0	0	80
		B		14.94Y	124.5	0.00	1.54	31.83	0	471	61	99					0	0	0	116
		C		15.02Y	125.2	0.00	0.81	24.37	0	364	42	99					0	0	0	79
PD.391-B	PD.391-A	A	Closed	15.10Y	125.8	0.00	0.21	22.43	0	336	38	99	0.00	0.0	3.495	0.000	0	0	0	80
		B		14.94Y	124.5	0.00	1.54	31.83	0	471	61	99					0	0	0	116
		C		15.02Y	125.2	0.00	0.81	24.37	0	364	42	99					0	0	0	79
PL.26645	PD.391-B	A	6ACWC	15.09Y	125.8	0.04	0.25	22.43	12	336	38	99	0.45	0.0	3.593	0.097	0	0	0	80
		B		14.93Y	124.4	0.06	1.60	31.83	17	471	61	99					0	0	0	116
		C		15.02Y	125.1	0.04	0.85	24.37	13	364	42	99					0	0	0	79
447206	PL.26645	C	Consumer	15.02Y	125.1	0.00	0.85	0.06	0	1	0	100	0.00	0.0	3.593	0.000	1	0	1	1
447246	PL.26645	C	Consumer	15.02Y	125.1	0.00	0.85	0.00	0	0	0	100	0.00	0.0	3.593	0.000	0	0	1	1
447207	PL.26645	C	Consumer	15.02Y	125.1	0.00	0.85	0.00	0	0	0	100	0.00	0.0	3.593	0.000	0	0	0	0
PL.23250	PL.26645	C	4ACSR	15.02Y	125.1	0.00	0.85	0.17	0	3	0	100	0.00	0.0	3.603	0.011	0	0	0	1
PD.2677	PL.23250	C	fuse6AMP	15.02Y	125.1	0.00	0.85	0.17	3	3	0	100	0.00	0.0	3.603	0.000	0	0	0	1
PL.23251	PD.2677	C	4ACSR	15.02Y	125.1	0.00	0.85	0.17	0	3	0	100	0.00	0.0	3.663	0.059	0	0	0	1
447239	PL.23251	C	Consumer	15.02Y	125.1	0.00	0.85	0.17	0	3	0	100	0.00	0.0	3.663	0.000	3	0	1	1
PL.26643	PL.26645	A	6ACWC	15.08Y	125.7	0.07	0.32	22.43	12	336	38	99	0.72	0.1	3.748	0.155	0	0	0	80
		B		14.92Y	124.3	0.10	1.70	31.83	17	471	61	99					0	0	0	116
		C		15.01Y	125.1	0.06	0.92	24.14	13	360	42	99					0	0	0	76
PL.6457	PL.26643	A	6ACWC	15.08Y	125.6	0.05	0.37	22.43	12	336	38	99	0.52	0.0	3.861	0.113	0	0	0	80
		B		14.91Y	124.2	0.07	1.77	31.83	17	471	61	99					0	0	0	116
		C		15.00Y	125.0	0.05	0.96	24.14	13	360	42	99					0	0	0	76
PL.14011	PL.6457	A	6ACWC	15.07Y	125.6	0.05	0.41	22.43	12	336	38	99	0.49	0.0	3.968	0.107	0	0	0	80
		B		14.90Y	124.2	0.07	1.84	31.83	17	471	61	99					0	0	0	116
		C		15.00Y	125.0	0.04	1.01	24.14	13	360	41	99					0	0	0	76
PL.14014	PL.14011	A	6ACWC	15.07Y	125.6	0.00	0.42	15.74	8	236	26	99	0.01	0.0	3.979	0.011	0	0	0	61
		B		14.90Y	124.2	0.00	1.84	17.04	9	251	36	99					0	0	0	58
		C		15.00Y	125.0	-0.00	1.01	0.65	0	10	1	99					0	0	0	2
PD.340-A	PL.14014	A	Closed	15.07Y	125.6	0.00	0.42	15.74	0	236	26	99	0.00	0.0	3.979	0.000	0	0	0	61
		B		14.90Y	124.2	0.00	1.84	17.04	0	251	36	99					0	0	0	58
		C		15.00Y	125.0	0.00	1.01	0.65	0	10	1	99					0	0	0	2
PD.340-B	PD.340-A	A	Closed	15.07Y	125.6	0.00	0.42	15.74	0	236	26	99	0.00	0.0	3.979	0.000	0	0	0	61
		B		14.90Y	124.2	0.00	1.84	17.04	0	251	36	99					0	0	0	58
		C		15.00Y	125.0	0.00	1.01	0.65	0	10	1	99					0	0	0	2
PL.14015	PD.340-B	A	6ACWC	15.07Y	125.6	0.02	0.44	15.74	8	236	26	99	0.07	0.0	4.035	0.056	0	0	0	61
		B		14.90Y	124.1	0.02	1.86	17.04	9	251	36	99					0	0	0	58
		C		15.00Y	125.0	-0.00	1.01	0.65	0	10	1	99					0	0	0	2
PL.14012	PL.14015	B	4ACSR	14.90Y	124.1	0.00	1.86	0.05	0	1	0	100	0.00	0.0	4.051	0.015	0	0	0	1
PD.1412	PL.14012	B	fuse6AMP	14.90Y	124.1	0.00	1.86	0.05	1	1	0	100	0.00	0.0	4.051	0.000	0	0	0	1
PL.14013	PD.1412	B	4ACSR	14.90Y	124.1	0.00	1.86	0.05	0	1	0	100	0.00	0.0	4.105	0.055	0	0	0	1
PL.24057	PL.14013	B	4ACSR	14.90Y	124.1	0.00	1.86	0.05	0	1	0	100	0.00	0.0	4.175	0.070	0	0	0	1
447225	PL.24057	B	Consumer	14.90Y	124.1	0.00	1.86	0.05	0	1	0	100	0.00	0.0	4.175	0.000	1	0	1	1
PL.23246	PL.14015	A	6ACWC	15.06Y	125.5	0.08	0.52	15.74	8	236	26	99	0.25	0.1	4.241	0.205	0	0	0	61
		B		14.89Y	124.1	0.06	1.92	17.00	9	251	36	99					0	0	0	57
		C		15.00Y	125.0	-0.01	1.00	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: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.2743-A	PL.23246	A	Closed	15.06Y	125.5	0.00	0.52	15.74	0	235	26	99	0.00	0.0	4.241	0.000	0	0	0	61
		B		14.89Y	124.1	0.00	1.92	17.00	0	251	36	99					0	0	0	57
		C		15.00Y	125.0	0.00	1.00	0.00	0	0	0	100					0	0	0	0
PD.2743-B	PD.2743-A	A	Closed	15.06Y	125.5	0.00	0.52	15.74	0	235	26	99	0.00	0.0	4.241	0.000	0	0	0	61
		B		14.89Y	124.1	0.00	1.92	17.00	0	251	36	99					0	0	0	57
		C		15.00Y	125.0	0.00	1.00	0.00	0	0	0	100					0	0	0	0
PL.23247	PD.2743-B	A	6ACWC	15.06Y	125.5	0.01	0.53	15.74	8	235	26	99	0.02	0.0	4.261	0.020	0	0	0	61
		B		14.89Y	124.1	0.01	1.92	17.00	9	251	36	99					0	0	0	57
		C		15.00Y	125.0	-0.00	1.00	0.00	0	0	0	100					0	0	0	0
PL.2509	PL.23247	A	4ACSR	15.06Y	125.5	0.00	0.53	0.31	0	5	1	98	0.00	0.0	4.299	0.038	0	0	0	1
437921	PL.2509	A	Consumer	15.06Y	125.5	0.00	0.53	0.31	0	5	1	98	0.00	0.0	4.299	0.000	5	1	1	1
PL.6720	PL.23247	A	6ACWC	15.05Y	125.4	0.03	0.56	9.00	5	135	15	99	0.09	0.0	4.369	0.108	0	0	0	31
		B		14.89Y	124.0	0.03	1.96	17.00	9	251	36	99					0	0	0	57
		C		15.00Y	125.0	-0.01	0.99	0.00	0	0	0	100					0	0	0	0
PL.14005	PL.6720	A	6ACWC	15.05Y	125.4	0.03	0.58	9.00	5	135	15	99	0.08	0.0	4.472	0.103	0	0	0	31
		B		14.88Y	124.0	0.03	1.99	15.80	8	233	34	99					0	0	0	54
		C		15.00Y	125.0	-0.01	0.98	0.00	0	0	0	100					0	0	0	0
437913	PL.14005	B	Consumer	14.88Y	124.0	0.00	1.99	0.18	0	3	0	100	0.00	0.0	4.472	0.000	3	0	1	1
437916	PL.14005	B	Consumer	14.88Y	124.0	0.00	1.99	0.30	0	4	0	100	0.00	0.0	4.472	0.000	4	0	1	1
437944	PL.14005	A	Consumer	15.05Y	125.4	0.00	0.58	0.00	0	0	0	100	0.00	0.0	4.472	0.000	0	0	0	0
PL.14006	PL.14005	A	6ACWC	15.04Y	125.4	0.05	0.63	8.43	4	126	14	99	0.15	0.0	4.686	0.214	0	0	0	29
		B		14.87Y	124.0	0.06	2.05	15.32	8	226	33	99					0	0	0	52
		C		15.00Y	125.0	-0.01	0.97	0.00	0	0	0	100					0	0	0	0
PL.20148	PL.14006	A	6ACWC	15.04Y	125.4	0.02	0.65	8.43	4	126	14	99	0.05	0.0	4.751	0.066	0	0	0	29
		B		14.87Y	123.9	0.02	2.07	15.32	8	226	33	99					0	0	0	52
		C		15.00Y	125.0	-0.00	0.97	0.00	0	0	0	100					0	0	0	0
PL.20149	PL.20148	A	6ACWC	15.04Y	125.3	0.01	0.66	8.43	4	126	14	99	0.04	0.0	4.802	0.050	0	0	0	29
		B		14.87Y	123.9	0.01	2.08	15.32	8	226	33	99					0	0	0	52
		C		15.00Y	125.0	-0.00	0.96	0.00	0	0	0	100					0	0	0	0
PL.13302	PL.20149	A	6ACWC	15.04Y	125.3	0.01	0.67	8.43	4	126	14	99	0.03	0.0	4.846	0.044	0	0	0	29
		B		14.87Y	123.9	0.01	2.09	14.15	7	208	31	99					0	0	0	45
		C		15.00Y	125.0	-0.00	0.96	0.00	0	0	0	100					0	0	0	0
437906	PL.13302	B	Consumer	14.87Y	123.9	0.00	2.09	0.97	0	14	2	99	0.00	0.0	4.846	0.000	14	2	1	1
PL.13303	PL.13302	A	4ACSR	15.04Y	125.3	0.00	0.67	0.42	0	6	1	99	0.00	0.0	4.853	0.007	0	0	0	2
PD.1415	PL.13303	A	fuse6AMP	15.04Y	125.3	0.00	0.67	0.42	7	6	1	99	0.00	0.0	4.853	0.000	0	0	0	2
PL.13304	PD.1415	A	4ACSR	15.04Y	125.3	0.00	0.67	0.42	0	6	1	99	0.00	0.0	4.889	0.036	0	0	0	2
437911	PL.13304	A	Consumer	15.04Y	125.3	0.00	0.67	0.25	0	4	0	100	0.00	0.0	4.889	0.000	4	0	1	1
437905	PL.13304	A	Consumer	15.04Y	125.3	0.00	0.67	0.17	0	3	0	100	0.00	0.0	4.889	0.000	3	0	1	1
PL.13305	PL.13302	A	6ACWC	15.04Y	125.3	0.02	0.68	8.01	4	120	13	99	0.04	0.0	4.920	0.074	0	0	0	27
		B		14.87Y	123.9	0.02	2.11	13.18	7	194	29	99					0	0	0	44
		C		15.01Y	125.0	-0.00	0.96	0.00	0	0	0	100					0	0	0	0
437925	PL.13305	B	Consumer	14.87Y	123.9	0.00	2.11	0.58	0	9	1	99	0.00	0.0	4.920	0.000	9	1	1	1
PL.13306	PL.13305	A	6ACWC	15.04Y	125.3	0.02	0.70	8.01	4	120	13	99	0.04	0.0	4.998	0.078	0	0	0	27
		B		14.86Y	123.9	0.02	2.13	12.60	7	185	28	99					0	0	0	43
		C		15.01Y	125.0	-0.00	0.95	0.00	0	0	0	100					0	0	0	0
437904	PL.13306	B	Consumer	14.86Y	123.9	0.00	2.13	0.23	0	3	0	100	0.00	0.0	4.998	0.000	3	0	1	1
PL.13307	PL.13306	A	6ACWC	15.03Y	125.3	0.01	0.71	8.01	4	120	13	99	0.02	0.0	5.038	0.040	0	0	0	27
		B		14.86Y	123.9	0.01	2.14	12.37	6	182	28	99					0	0	0	42
		C		15.01Y	125.0	-0.00	0.95	0.00	0	0	0	100					0	0	0	0

Unbalanced Voltage Drop Report
Source: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.13308	PL.13307	A	6ACWC	15.03Y	125.3	0.01	0.72	7.90	4	118	13	99	0.02	0.0	5.088	0.050	0	0	0	26
		B		14.86Y	123.9	0.01	2.15	12.37	6	182	28	99					0	0	0	42
		C		15.01Y	125.1	-0.00	0.95	0.00	0	0	0	100					0	0	0	0
PL.13311	PL.13308	A	6ACWC	15.03Y	125.3	0.02	0.73	7.90	4	118	13	99	0.04	0.0	5.163	0.075	0	0	0	26
		B		14.86Y	123.8	0.02	2.16	12.15	6	179	27	99					0	0	0	41
		C		15.01Y	125.1	-0.00	0.95	0.00	0	0	0	100					0	0	0	0
PL.13313	PL.13311	A	4ACSR	15.03Y	125.3	0.00	0.73	0.27	0	4	0	100	0.00	0.0	5.177	0.014	0	0	0	1
PD.1417	PL.13313	A	fuse6AMP	15.03Y	125.3	0.00	0.73	0.27	5	4	0	100	0.00	0.0	5.177	0.000	0	0	0	1
PL.14016	PD.1417	A	4ACSR	15.03Y	125.3	0.00	0.73	0.27	0	4	0	100	0.00	0.0	5.206	0.029	0	0	0	1
437941	PL.14016	A	Consumer	15.03Y	125.3	0.00	0.73	0.27	0	4	0	100	0.00	0.0	5.206	0.000	4	0	1	1
PL.13312	PL.13311	A	6ACWC	15.03Y	125.2	0.04	0.77	7.63	4	114	13	99	0.09	0.0	5.350	0.188	0	0	0	25
		B		14.86Y	123.8	0.04	2.20	12.15	6	178	27	99					0	0	0	41
		C		15.01Y	125.1	-0.01	0.94	0.00	0	0	0	100					0	0	0	0
PL.13715	PL.13312	A	6ACWC	15.02Y	125.2	0.04	0.81	7.63	4	114	13	99	0.08	0.0	5.527	0.177	0	0	0	25
		B		14.85Y	123.8	0.04	2.24	11.80	6	173	27	99					0	0	0	40
		C		15.01Y	125.1	-0.01	0.93	0.00	0	0	0	100					0	0	0	0
PL.13664	PL.13715	B	4ACSR	14.84Y	123.7	0.08	2.32	11.80	6	173	27	99	0.10	0.1	5.826	0.299	0	0	0	40
PD.336-B	PL.13664	B	Closed	14.84Y	123.7	0.00	2.32	11.80	0	173	27	99	0.00	0.0	5.826	0.000	0	0	0	40
PD.336-A	PD.336-B	B	Closed	14.84Y	123.7	0.00	2.32	11.80	0	173	27	99	0.00	0.0	5.826	0.000	0	0	0	40
PL.13663	PD.336-A	B	4ACSR	14.84Y	123.7	0.01	2.33	11.80	6	173	27	99	0.02	0.0	5.874	0.048	0	0	0	40
PL.27330	PL.13663	B	4ACSR	14.83Y	123.6	0.07	2.40	11.73	6	172	27	99	0.09	0.1	6.160	0.286	0	0	0	38
PL.27329	PL.27330	B	4ACSR	14.83Y	123.6	0.05	2.45	11.54	6	169	26	99	0.06	0.0	6.343	0.182	0	0	0	37
C PD.1410	PL.27329	B	fuse6AMP	14.83Y	123.6	0.00	2.45	11.54	197	169	26	99	0.00	0.0	6.343	0.000	0	0	0	37 C
PL.27579	PD.1410	B	4ACSR	14.83Y	123.5	0.01	2.45	11.54	6	169	26	99	0.01	0.0	6.368	0.025	0	0	0	37
PL.100	PL.27579	B	4ACSR	14.82Y	123.5	0.01	2.46	10.09	5	148	24	99	0.01	0.0	6.393	0.025	0	0	0	29
PL.15182	PL.100	B	4ACSR	14.82Y	123.5	0.02	2.47	10.09	5	148	24	99	0.02	0.0	6.464	0.072	0	0	0	29
PL.15181	PL.15182	B	4ACSR	14.82Y	123.5	0.00	2.48	9.71	5	142	23	99	0.00	0.0	6.482	0.018	0	0	0	28
PL.15180	PL.15181	B	4ACSR	14.82Y	123.5	0.01	2.49	9.71	5	142	23	99	0.01	0.0	6.527	0.045	0	0	0	27
PL.15179	PL.15180	B	4ACSR	14.82Y	123.5	0.01	2.50	7.80	4	114	20	98	0.01	0.0	6.583	0.055	0	0	0	23
PL.24739	PL.15179	B	4ACSR	14.82Y	123.5	0.01	2.51	7.03	4	103	19	98	0.01	0.0	6.645	0.062	0	0	0	22
PL.15178	PL.24739	B	4ACSR	14.82Y	123.5	0.01	2.52	6.69	3	97	18	98	0.01	0.0	6.746	0.102	0	0	0	21
PL.15177	PL.15178	B	4ACSR	14.82Y	123.5	0.01	2.53	5.02	3	73	16	98	0.00	0.0	6.827	0.081	0	0	0	18
PL.15176	PL.15177	B	4ACSR	14.82Y	123.5	0.00	2.53	5.02	3	73	16	98	0.00	0.0	6.848	0.021	0	0	0	17
PL.15175	PL.15176	B	4ACSR	14.82Y	123.5	0.01	2.54	4.04	2	58	14	97	0.00	0.0	6.910	0.062	0	0	0	15
PL.15174	PL.15175	B	4ACSR	14.81Y	123.4	0.02	2.56	4.04	2	58	14	97	0.01	0.0	7.101	0.191	0	0	0	15
PL.15173	PL.15174	B	4ACSR	14.81Y	123.4	0.01	2.56	3.57	2	51	13	97	0.00	0.0	7.188	0.087	0	0	0	11
PL.6702	PL.15173	B	4ACSR	14.81Y	123.4	0.00	2.57	3.44	2	49	13	97	0.00	0.0	7.237	0.049	0	0	0	10
PL.21502	PL.6702	B	4ACSR	14.81Y	123.4	0.00	2.57	2.46	1	35	11	95	0.00	0.0	7.295	0.058	0	0	0	8
PL.21501	PL.21502	B	4ACSR	14.81Y	123.4	0.00	2.57	2.19	1	31	11	94	0.00	0.0	7.328	0.033	0	0	0	7
PL.15172	PL.21501	B	4ACSR	14.81Y	123.4	0.00	2.58	2.16	1	30	11	94	0.00	0.0	7.421	0.093	0	0	0	6
PL.15171	PL.15172	B	4ACSR	14.81Y	123.4	0.00	2.58	0.67	0	10	1	100	0.00	0.0	7.645	0.224	0	0	0	1
PL.20393	PL.15171	B	4ACSR	14.81Y	123.4	0.00	2.58	0.00	0	0	0	100	0.00	0.0	7.656	0.011	0	0	0	0

Unbalanced Voltage Drop Report
Source: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.334-B	PL.20393	B	Open	14.81Y	123.4	0.00	2.58	0.00	0	0	0	100	0.00	0.0	7.656	0.000	0	0	0	0
PL.1767	PL.15171	B	4ACSR	14.81Y	123.4	0.00	2.58	0.67	0	10	1	100	0.00	0.0	7.701	0.056	0	0	0	1
436701	PL.1767	B	Consumer	14.81Y	123.4	0.00	2.58	0.67	0	10	1	100	0.00	0.0	7.701	0.000	10	1	1	1
PL.20394	PL.15172	B	4ACSR	14.81Y	123.4	0.00	2.58	1.45	1	19	9	90	0.00	0.0	7.441	0.020	0	0	0	4
PD.1403	PL.20394	B	fuse6AMP	14.81Y	123.4	0.00	2.58	1.45	25	19	9	90	0.00	0.0	7.441	0.000	0	0	0	4
PL.20395	PD.1403	B	4ACSR	14.81Y	123.4	0.01	2.59	1.45	1	19	9	90	0.00	0.0	7.866	0.425	0	0	0	4
PL.17942	PL.20395	B	4ACSR	14.81Y	123.4	0.00	2.59	0.01	0	0	0	100	0.00	0.0	8.191	0.325	0	0	0	3
PL.6699	PL.17942	B	4ACSR	14.81Y	123.4	0.00	2.59	0.00	0	0	0	100	0.00	0.0	8.259	0.068	0	0	0	1
PL.6706	PL.6699	B	4ACSR	14.81Y	123.4	0.00	2.59	0.00	0	0	0	100	0.00	0.0	8.289	0.030	0	0	0	1
PL.17947	PL.6706	B	4ACSR	14.81Y	123.4	0.00	2.59	0.00	0	0	0	100	0.00	0.0	8.463	0.174	0	0	0	0
PL.17948	PL.17947	B	4ACSR	14.81Y	123.4	0.00	2.59	0.00	0	0	0	100	0.00	0.0	8.532	0.069	0	0	0	0
PL.1771	PL.17947	B	4ACSR	14.81Y	123.4	0.00	2.59	0.00	0	0	0	100	0.00	0.0	8.580	0.117	0	0	0	0
436806	PL.6706	B	Consumer	14.81Y	123.4	0.00	2.59	0.00	0	0	0	100	0.00	0.0	8.289	0.000	0	0	1	1
PL.1769	PL.17942	B	4ACSR	14.81Y	123.4	0.00	2.59	0.01	0	0	0	100	0.00	0.0	8.280	0.089	0	0	0	2
PL.1770	PL.1769	B	4ACSR	14.81Y	123.4	0.00	2.59	0.01	0	0	0	100	0.00	0.0	8.340	0.061	0	0	0	2
436714	PL.1770	B	Consumer	14.81Y	123.4	0.00	2.59	0.00	0	0	0	100	0.00	0.0	8.340	0.000	0	0	1	1
436719	PL.1770	B	Consumer	14.81Y	123.4	0.00	2.59	0.01	0	0	0	100	0.00	0.0	8.340	0.000	0	0	1	1
PL.1768	PL.20395	B	4ACSR	14.81Y	123.4	0.00	2.59	1.45	1	19	9	90	0.00	0.0	7.964	0.098	0	0	0	1
436711	PL.1768	B	Consumer	14.81Y	123.4	0.00	2.59	1.45	0	19	9	90	0.00	0.0	7.964	0.000	19	9	1	1
PL.1765	PL.15172	B	4ACSR	14.81Y	123.4	0.00	2.58	0.06	0	1	0	100	0.00	0.0	7.509	0.088	0	0	0	1
PL.1766	PL.1765	B	4ACSR	14.81Y	123.4	0.00	2.58	0.06	0	1	0	100	0.00	0.0	7.584	0.075	0	0	0	1
436704	PL.1766	B	Consumer	14.81Y	123.4	0.00	2.58	0.06	0	1	0	100	0.00	0.0	7.584	0.000	1	0	1	1
436705	PL.21501	B	Consumer	14.81Y	123.4	0.00	2.57	0.04	0	1	0	100	0.00	0.0	7.328	0.000	1	0	1	1
436712	PL.21502	B	Consumer	14.81Y	123.4	0.00	2.57	0.27	0	4	0	100	0.00	0.0	7.295	0.000	4	0	1	1
436715	PL.6702	B	Consumer	14.81Y	123.4	0.00	2.57	0.50	0	7	1	99	0.00	0.0	7.237	0.000	7	1	1	1
436706	PL.6702	B	Consumer	14.81Y	123.4	0.00	2.57	0.50	0	7	1	99	0.00	0.0	7.237	0.000	7	1	1	1
436717	PL.15173	B	Consumer	14.81Y	123.4	0.00	2.56	0.13	0	2	0	100	0.00	0.0	7.188	0.000	2	0	1	1
436707	PL.15174	B	Consumer	14.81Y	123.4	0.00	2.56	0.25	0	4	0	100	0.00	0.0	7.101	0.000	4	0	1	1
PL.20823	PL.15174	B	4ACSR	14.81Y	123.4	0.00	2.56	0.22	0	3	0	100	0.00	0.0	7.116	0.015	0	0	0	3
PD.1402	PL.20823	B	fuse6AMP	14.81Y	123.4	0.00	2.56	0.22	4	3	0	100	0.00	0.0	7.116	0.000	0	0	0	3
PL.20824	PD.1402	B	4ACSR	14.81Y	123.4	0.00	2.56	0.22	0	3	0	100	0.00	0.0	7.287	0.172	0	0	0	3
436708	PL.20824	B	Consumer	14.81Y	123.4	0.00	2.56	0.12	0	2	0	100	0.00	0.0	7.287	0.000	2	0	1	1
PL.2453	PL.20824	B	4ACSR	14.81Y	123.4	0.00	2.56	0.09	0	1	0	100	0.00	0.0	7.336	0.048	0	0	0	2
436718	PL.2453	B	Consumer	14.81Y	123.4	0.00	2.56	0.01	0	0	0	100	0.00	0.0	7.336	0.000	0	0	1	1
436709	PL.2453	B	Consumer	14.81Y	123.4	0.00	2.56	0.09	0	1	0	100	0.00	0.0	7.336	0.000	1	0	1	1
437719	PL.15176	B	Consumer	14.82Y	123.5	0.00	2.53	0.45	0	7	1	99	0.00	0.0	6.848	0.000	7	1	1	1
PL.2068	PL.15176	B	4ACSR	14.82Y	123.5	0.00	2.53	0.53	0	8	1	99	0.00	0.0	6.966	0.118	0	0	0	1
437718	PL.2068	B	Consumer	14.82Y	123.5	0.00	2.53	0.53	0	8	1	99	0.00	0.0	6.966	0.000	8	1	1	1

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

Unbalanced Voltage Drop Report
Source: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.2071	PL.15177	B	4ACSR	14.82Y	123.5	0.00	2.53	0.00	0	0	0	100	0.00	0.0	6.903	0.076	0	0	0	1
437724	PL.2071	B	Consumer	14.82Y	123.5	0.00	2.53	0.00	0	0	0	100	0.00	0.0	6.903	0.000	0	0	1	1
PL.2070	PL.15178	B	4ACSR	14.82Y	123.5	0.00	2.52	1.34	1	20	2	100	0.00	0.0	6.853	0.107	0	0	0	2
437725	PL.2070	B	Consumer	14.82Y	123.5	0.00	2.52	0.71	0	11	1	100	0.00	0.0	6.853	0.000	11	1	1	1
437715	PL.2070	B	Consumer	14.82Y	123.5	0.00	2.52	0.63	0	9	1	99	0.00	0.0	6.853	0.000	9	1	1	1
PL.2069	PL.15178	B	4ACSR	14.82Y	123.5	0.00	2.52	0.34	0	5	1	98	0.00	0.0	6.806	0.060	0	0	0	1
437720	PL.2069	B	Consumer	14.82Y	123.5	0.00	2.52	0.34	0	5	1	98	0.00	0.0	6.806	0.000	5	1	1	1
437721	PL.24739	B	Consumer	14.82Y	123.5	0.00	2.51	0.34	0	5	1	98	0.00	0.0	6.645	0.000	5	1	1	1
437727	PL.15179	B	Consumer	14.82Y	123.5	0.00	2.50	0.77	0	11	1	100	0.00	0.0	6.583	0.000	11	1	1	1
PL.27573	PL.15180	B	4ACSR	14.82Y	123.5	0.00	2.49	1.42	1	21	2	100	0.00	0.0	6.545	0.018	0	0	0	3
PD.1407	PL.27573	B	fuse6AMP	14.82Y	123.5	0.00	2.49	1.42	24	21	2	100	0.00	0.0	6.545	0.000	0	0	0	3
PL.27574	PD.1407	B	4ACSR	14.82Y	123.5	0.00	2.49	1.42	1	21	2	100	0.00	0.0	6.659	0.114	0	0	0	3
PL.24746	PL.27574	B	4ACSR	14.82Y	123.5	0.00	2.49	0.83	0	12	1	100	0.00	0.0	6.694	0.035	0	0	0	2
PL.24747	PL.24746	B	4ACSR	14.82Y	123.5	0.00	2.49	0.00	0	0	0	100	0.00	0.0	6.732	0.038	0	0	0	1
437729	PL.24747	B	Consumer	14.82Y	123.5	0.00	2.49	0.00	0	0	0	100	0.00	0.0	6.732	0.000	0	0	1	1
437730	PL.24746	B	Consumer	14.82Y	123.5	0.00	2.49	0.83	0	12	1	100	0.00	0.0	6.694	0.000	12	1	1	1
PL.2066	PL.27574	B	4ACSR	14.82Y	123.5	0.00	2.49	0.59	0	9	1	99	0.00	0.0	6.735	0.076	0	0	0	1
437709	PL.2066	B	Consumer	14.82Y	123.5	0.00	2.49	0.59	0	9	1	99	0.00	0.0	6.735	0.000	9	1	1	1
437722	PL.15180	B	Consumer	14.82Y	123.5	0.00	2.49	0.50	0	7	1	99	0.00	0.0	6.527	0.000	7	1	1	1
437723	PL.15181	B	Consumer	14.82Y	123.5	0.00	2.48	0.00	0	0	0	100	0.00	0.0	6.482	0.000	0	0	1	1
PL.2067	PL.15182	B	4ACSR	14.82Y	123.5	0.00	2.48	0.38	0	6	1	99	0.00	0.0	6.523	0.059	0	0	0	1
437708	PL.2067	B	Consumer	14.82Y	123.5	0.00	2.48	0.38	0	6	1	99	0.00	0.0	6.523	0.000	6	1	1	1
PL.6718	PL.27579	B	4ACSR	14.82Y	123.5	0.01	2.46	1.45	1	21	2	100	0.00	0.0	6.628	0.260	0	0	0	8
PL.6719	PL.6718	B	4ACSR	14.82Y	123.5	0.00	2.46	0.27	0	4	0	100	0.00	0.0	6.835	0.206	0	0	0	3
PL.24732	PL.6719	B	4ACSR	14.82Y	123.5	0.00	2.46	0.27	0	4	0	100	0.00	0.0	6.944	0.109	0	0	0	3
437717	PL.24732	B	Consumer	14.82Y	123.5	0.00	2.46	0.00	0	0	0	100	0.00	0.0	6.944	0.000	0	0	1	1
PL.24734	PL.24732	B	4ACSR	14.82Y	123.5	0.00	2.46	0.25	0	4	0	100	0.00	0.0	7.000	0.057	0	0	0	1
PL.24735	PL.24734	B	4ACSR	14.82Y	123.5	0.00	2.46	0.00	0	0	0	100	0.00	0.0	7.015	0.015	0	0	0	0
PL.23940	PL.24735	B	4ACSR	14.82Y	123.5	0.00	2.46	0.00	0	0	0	100	0.00	0.0	7.019	0.004	0	0	0	0
437710	PL.24734	B	Consumer	14.82Y	123.5	0.00	2.46	0.25	0	4	0	100	0.00	0.0	7.000	0.000	4	0	1	1
PL.24733	PL.24732	B	4ACSR	14.82Y	123.5	0.00	2.46	0.02	0	0	0	100	0.00	0.0	7.262	0.318	0	0	0	1
438701	PL.24733	B	Consumer	14.82Y	123.5	0.00	2.46	0.02	0	0	0	100	0.00	0.0	7.262	0.000	0	0	1	1
437809	PL.6718	B	Consumer	14.82Y	123.5	0.00	2.46	0.19	0	3	0	100	0.00	0.0	6.628	0.000	3	0	1	1
PL.23941	PL.6718	B	4ACSR	14.82Y	123.5	0.00	2.46	0.86	0	13	1	100	0.00	0.0	6.674	0.046	0	0	0	1
437801	PL.23941	B	Consumer	14.82Y	123.5	0.00	2.46	0.86	0	13	1	100	0.00	0.0	6.674	0.000	13	1	1	1
PL.27331	PL.6718	B	4ACSR	14.82Y	123.5	0.00	2.46	0.13	0	2	0	100	0.00	0.0	6.956	0.328	0	0	0	3
PL.23942	PL.27331	B	4ACSR	14.82Y	123.5	0.00	2.46	0.00	0	0	0	100	0.00	0.0	7.030	0.074	0	0	0	1
437807	PL.23942	B	Consumer	14.82Y	123.5	0.00	2.46	0.00	0	0	0	100	0.00	0.0	7.030	0.000	0	0	1	1

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

Unbalanced Voltage Drop Report
Source: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.27332	PL.27331	B	4ACSR	14.82Y	123.5	0.00	2.46	0.13	0	2	0	100	0.00	0.0	7.023	0.067	0	0	0	2
437804	PL.27332	B	Consumer	14.82Y	123.5	0.00	2.46	0.02	0	0	0	100	0.00	0.0	7.023	0.000	0	0	1	1
437810	PL.27332	B	Consumer	14.82Y	123.5	0.00	2.46	0.11	0	2	0	100	0.00	0.0	7.023	0.000	2	0	1	1
PL.23939	PL.27330	B	4ACSR	14.83Y	123.6	0.00	2.40	0.20	0	3	0	100	0.00	0.0	6.247	0.087	0	0	0	1
437802	PL.23939	B	Consumer	14.83Y	123.6	0.00	2.40	0.20	0	3	0	100	0.00	0.0	6.247	0.000	3	0	1	1
437812	PL.13663	B	Consumer	14.84Y	123.7	0.00	2.33	0.00	0	0	0	100	0.00	0.0	5.874	0.000	0	0	1	1
437803	PL.13663	B	Consumer	14.84Y	123.7	0.00	2.33	0.00	0	0	0	100	0.00	0.0	5.874	0.000	0	0	0	0
437811	PL.13663	B	Consumer	14.84Y	123.7	0.00	2.33	0.06	0	1	0	100	0.00	0.0	5.874	0.000	1	0	1	1
PL.13712	PL.13715	A	4ACSR	15.02Y	125.2	0.00	0.81	7.63	4	114	13	99	0.00	0.0	5.554	0.027	0	0	0	25
PD.2445	PL.13712	A	25V4E	15.02Y	125.2	0.00	0.81	7.63	31	114	13	99	0.00	0.0	5.554	0.000	0	0	0	25
PL.13713	PD.2445	A	4ACSR	15.02Y	125.2	0.01	0.82	7.63	4	114	13	99	0.01	0.0	5.620	0.065	0	0	0	25
PL.13714	PL.13713	A	4ACSR	15.02Y	125.1	0.03	0.86	6.99	4	104	12	99	0.03	0.0	5.847	0.228	0	0	0	23
PL.13716	PL.13714	A	4ACSR	15.02Y	125.1	0.01	0.87	6.99	4	104	12	99	0.01	0.0	5.915	0.068	0	0	0	23
PL.2458	PL.13716	A	4ACSR	15.02Y	125.1	0.00	0.87	0.15	0	2	0	100	0.00	0.0	6.025	0.110	0	0	0	1
PL.2457	PL.2458	A	4ACSR	15.02Y	125.1	0.00	0.87	0.00	0	0	0	100	0.00	0.0	6.402	0.376	0	0	0	0
436803	PL.2458	A	Consumer	15.02Y	125.1	0.00	0.87	0.15	0	2	0	100	0.00	0.0	6.025	0.000	2	0	1	1
PL.13717	PL.13716	A	4ACSR	15.01Y	125.1	0.07	0.94	6.84	4	102	11	99	0.06	0.1	6.430	0.515	0	0	0	22
436930	PL.13717	A	Consumer	15.01Y	125.1	0.00	0.94	0.66	0	10	1	100	0.00	0.0	6.430	0.000	10	1	1	1
PL.27992	PL.13717	A	4ACSR	15.01Y	125.0	0.01	0.95	6.18	3	92	10	99	0.01	0.0	6.511	0.081	0	0	0	21
PL.27993	PL.27992	A	4ACSR	15.01Y	125.0	0.00	0.96	5.85	3	87	10	99	0.00	0.0	6.540	0.029	0	0	0	20
PL.2464	PL.27993	A	4ACSR	15.01Y	125.0	0.00	0.96	0.68	0	10	1	100	0.00	0.0	6.573	0.033	0	0	0	1
436935	PL.2464	A	Consumer	15.01Y	125.0	0.00	0.96	0.68	0	10	1	100	0.00	0.0	6.573	0.000	10	1	1	1
436933	PL.27993	A	Consumer	15.01Y	125.0	0.00	0.96	0.31	0	5	1	98	0.00	0.0	6.540	0.000	5	1	1	1
PL.24804	PL.27993	A	4ACSR	15.00Y	125.0	0.01	0.96	4.87	3	73	8	99	0.00	0.0	6.598	0.058	0	0	0	18
PL.6703	PL.24804	A	4ACSR	15.00Y	125.0	0.00	0.96	0.70	0	10	1	100	0.00	0.0	6.643	0.045	0	0	0	5
PL.6704	PL.6703	A	4ACSR	15.00Y	125.0	0.00	0.96	0.18	0	3	0	100	0.00	0.0	6.694	0.051	0	0	0	1
PL.24805	PL.6704	A	4ACSR	15.00Y	125.0	0.00	0.96	0.18	0	3	0	100	0.00	0.0	6.713	0.019	0	0	0	1
436934	PL.24805	A	Consumer	15.00Y	125.0	0.00	0.96	0.18	0	3	0	100	0.00	0.0	6.713	0.000	3	0	1	1
PL.24806	PL.24805	A	4ACSR	15.00Y	125.0	0.00	0.96	0.00	0	0	0	100	0.00	0.0	6.786	0.073	0	0	0	0
PL.2459	PL.24806	A	4ACSR	15.00Y	125.0	0.00	0.96	0.00	0	0	0	100	0.00	0.0	7.103	0.317	0	0	0	0
436902	PL.2459	A	Consumer	15.00Y	125.0	0.00	0.96	0.00	0	0	0	100	0.00	0.0	7.103	0.000	0	0	0	0
PL.2460	PL.2459	A	4ACSR	15.00Y	125.0	0.00	0.96	0.00	0	0	0	100	0.00	0.0	7.169	0.067	0	0	0	0
436910	PL.2460	A	Consumer	15.00Y	125.0	0.00	0.96	0.00	0	0	0	100	0.00	0.0	7.169	0.000	0	0	0	0
436931	PL.6703	A	Consumer	15.00Y	125.0	0.00	0.96	0.01	0	0	0	100	0.00	0.0	6.643	0.000	0	0	1	1
436913	PL.6703	A	Consumer	15.00Y	125.0	0.00	0.96	0.12	0	2	0	100	0.00	0.0	6.643	0.000	2	0	1	1
436914	PL.6703	A	Consumer	15.00Y	125.0	0.00	0.96	0.18	0	3	0	100	0.00	0.0	6.643	0.000	3	0	1	1
436928	PL.6703	A	Consumer	15.00Y	125.0	0.00	0.96	0.21	0	3	0	100	0.00	0.0	6.643	0.000	3	0	1	1
PL.6705	PL.24804	A	4ACSR	15.00Y	125.0	0.00	0.97	2.53	1	38	4	99	0.00	0.0	6.684	0.085	0	0	0	10

Unbalanced Voltage Drop Report
Source: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.13719	PL.6705	A	4ACSR	15.00Y	125.0	0.01	0.97	2.53	1	38	4	99	0.00	0.0	6.804	0.120	0	0	0	10
PL.2461	PL.13719	A	4ACSR	15.00Y	125.0	0.00	0.97	0.38	0	6	1	99	0.00	0.0	6.875	0.071	0	0	0	1
436921	PL.2461	A	Consumer	15.00Y	125.0	0.00	0.97	0.38	0	6	1	99	0.00	0.0	6.875	0.000	6	1	1	1
436901	PL.13719	A	Consumer	15.00Y	125.0	0.00	0.97	0.25	0	4	0	100	0.00	0.0	6.804	0.000	4	0	1	1
PL.13722	PL.13719	A	4ACSR	15.00Y	125.0	0.01	0.98	1.90	1	28	3	99	0.00	0.0	7.017	0.213	0	0	0	8
PL.2462	PL.13722	A	4ACSR	15.00Y	125.0	0.00	0.98	0.33	0	5	1	98	0.00	0.0	7.150	0.133	0	0	0	1
435801	PL.2462	A	Consumer	15.00Y	125.0	0.00	0.98	0.33	0	5	1	98	0.00	0.0	7.150	0.000	5	1	1	1
PL.13723	PL.13722	A	4ACSR	15.00Y	125.0	0.00	0.98	1.57	1	23	3	99	0.00	0.0	7.055	0.038	0	0	0	7
PL.13724	PL.13723	A	4ACSR	15.00Y	125.0	0.01	1.00	1.49	1	22	2	100	0.00	0.0	7.524	0.469	0	0	0	6
435901	PL.13724	A	Consumer	15.00Y	125.0	0.00	1.00	0.19	0	3	0	100	0.00	0.0	7.524	0.000	3	0	1	1
435916	PL.13724	A	Consumer	15.00Y	125.0	0.00	1.00	0.19	0	3	0	100	0.00	0.0	7.524	0.000	3	0	1	1
PL.24807	PL.13724	A	4ACSR	15.00Y	125.0	0.00	1.00	1.11	1	17	2	99	0.00	0.0	7.602	0.078	0	0	0	4
PL.19275	PL.24807	A	4ACSR	15.00Y	125.0	0.00	1.00	1.11	1	17	2	99	0.00	0.0	7.638	0.036	0	0	0	4
435908	PL.19275	A	Consumer	15.00Y	125.0	0.00	1.00	0.15	0	2	0	100	0.00	0.0	7.638	0.000	2	0	1	1
PL.19276	PL.19275	A	4ACSR	15.00Y	125.0	0.00	1.00	0.97	0	14	2	99	0.00	0.0	7.678	0.039	0	0	0	3
PL.27990	PL.19276	A	4ACSR	15.00Y	125.0	0.00	1.00	0.74	0	11	1	100	0.00	0.0	7.734	0.056	0	0	0	2
435910	PL.27990	A	Consumer	15.00Y	125.0	0.00	1.00	0.57	0	9	1	99	0.00	0.0	7.734	0.000	9	1	1	1
PL.27991	PL.27990	A	4ACSR	15.00Y	125.0	0.00	1.00	0.17	0	3	0	100	0.00	0.0	7.770	0.036	0	0	0	1
435911	PL.27991	A	Consumer	15.00Y	125.0	0.00	1.00	0.17	0	3	0	100	0.00	0.0	7.770	0.000	3	0	1	1
PL.14009	PL.27991	A	4ACSR	15.00Y	125.0	0.00	1.00	0.00	0	0	0	100	0.00	0.0	7.883	0.113	0	0	0	0
PD.335-A	PL.14009	A	Open	15.00Y	125.0	0.00	1.00	0.00	0	0	0	100	0.00	0.0	7.883	0.000	0	0	0	0
435909	PL.19276	A	Consumer	15.00Y	125.0	0.00	1.00	0.22	0	3	0	100	0.00	0.0	7.678	0.000	3	0	1	1
435918	PL.24807	A	Consumer	15.00Y	125.0	0.00	1.00	0.00	0	0	0	100	0.00	0.0	7.602	0.000	0	0	0	0
PL.2463	PL.13723	A	4ACSR	15.00Y	125.0	0.00	0.98	0.08	0	1	0	100	0.00	0.0	7.174	0.119	0	0	0	1
436915	PL.2463	A	Consumer	15.00Y	125.0	0.00	0.98	0.08	0	1	0	100	0.00	0.0	7.174	0.000	1	0	1	1
PL.13718	PL.24804	A	4ACSR	15.00Y	125.0	0.00	0.96	1.64	1	24	3	99	0.00	0.0	6.620	0.022	0	0	0	3
436912	PL.13718	A	Consumer	15.00Y	125.0	0.00	0.96	0.24	0	4	0	100	0.00	0.0	6.620	0.000	4	0	1	1
PL.13720	PL.13718	A	4ACSR	15.00Y	125.0	0.00	0.96	1.40	1	21	2	100	0.00	0.0	6.691	0.071	0	0	0	2
436917	PL.13720	A	Consumer	15.00Y	125.0	0.00	0.96	0.00	0	0	0	100	0.00	0.0	6.691	0.000	0	0	0	0
PL.33211	PL.13720	A	4ACSR	15.00Y	125.0	0.00	0.97	1.40	1	21	2	100	0.00	0.0	6.833	0.142	0	0	0	2
PL.33212	PL.33211	A	4ACSR	15.00Y	125.0	0.00	0.97	0.81	0	12	1	100	0.00	0.0	6.900	0.067	0	0	0	1
436906	PL.33212	A	Consumer	15.00Y	125.0	0.00	0.97	0.81	0	12	1	100	0.00	0.0	6.900	0.000	12	1	1	1
4369038	PL.33211	A	Consumer	15.00Y	125.0	0.00	0.97	0.59	0	9	1	99	0.00	0.0	6.833	0.000	9	1	1	1
PL.45648	PL.13720	A	2ACSR	15.00Y	125.0	0.00	0.96	0.00	0	0	0	100	0.00	0.0	6.740	0.049	0	0	0	0
436911	PL.45648	A	Consumer	15.00Y	125.0	0.00	0.96	0.00	0	0	0	100	0.00	0.0	6.740	0.000	0	0	0	0
436929	PL.27992	A	Consumer	15.01Y	125.0	0.00	0.95	0.32	0	5	1	98	0.00	0.0	6.511	0.000	5	1	1	1
PL.30332	PL.13713	A	4ACSR	15.02Y	125.2	0.00	0.82	0.64	0	10	1	100	0.00	0.0	5.701	0.082	0	0	0	2
4378013	PL.30332	A	Consumer	15.02Y	125.2	0.00	0.82	0.62	0	9	1	99	0.00	0.0	5.701	0.000	9	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: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.30333	PL.30332	A	4ACSR	15.02Y	125.2	0.00	0.82	0.02	0	0	0	100	0.00	0.0	5.757	0.055	0	0	0	1
437806	PL.30333	A	Consumer	15.02Y	125.2	0.00	0.82	0.02	0	0	0	100	0.00	0.0	5.757	0.000	0	0	1	1
437808	PL.13312	B	Consumer	14.86Y	123.8	0.00	2.20	0.36	0	5	1	98	0.00	0.0	5.350	0.000	5	1	1	1
437902	PL.13308	B	Consumer	14.86Y	123.9	0.00	2.15	0.22	0	3	0	100	0.00	0.0	5.088	0.000	3	0	1	1
PL.13309	PL.13307	A	4ACSR	15.03Y	125.3	0.00	0.71	0.11	0	2	0	100	0.00	0.0	5.046	0.009	0	0	0	1
PD.1416	PL.13309	A	fuse6AMP	15.03Y	125.3	0.00	0.71	0.11	2	2	0	100	0.00	0.0	5.046	0.000	0	0	0	1
PL.13310	PD.1416	A	4ACSR	15.03Y	125.3	0.00	0.71	0.11	0	2	0	100	0.00	0.0	5.086	0.040	0	0	0	1
437903	PL.13310	A	Consumer	15.03Y	125.3	0.00	0.71	0.11	0	2	0	100	0.00	0.0	5.086	0.000	2	0	1	1
437942	PL.13310	A	Consumer	15.03Y	125.3	0.00	0.71	0.00	0	0	0	100	0.00	0.0	5.086	0.000	0	0	0	0
437910	PL.20149	B	Consumer	14.87Y	123.9	0.00	2.08	0.30	0	4	0	100	0.00	0.0	4.802	0.000	4	0	1	1
437955	PL.20149	B	Consumer	14.87Y	123.9	0.00	2.08	0.00	0	0	0	100	0.00	0.0	4.802	0.000	0	0	1	1
437908	PL.20149	B	Consumer	14.87Y	123.9	0.00	2.08	0.16	0	2	0	100	0.00	0.0	4.802	0.000	2	0	1	1
437909	PL.20149	B	Consumer	14.87Y	123.9	0.00	2.08	0.23	0	3	0	100	0.00	0.0	4.802	0.000	3	0	1	1
437926	PL.20149	B	Consumer	14.87Y	123.9	0.00	2.08	0.08	0	1	0	100	0.00	0.0	4.802	0.000	1	0	1	1
437929	PL.20149	B	Consumer	14.87Y	123.9	0.00	2.08	0.20	0	3	0	100	0.00	0.0	4.802	0.000	3	0	1	1
437907	PL.20149	B	Consumer	14.87Y	123.9	0.00	2.08	0.20	0	3	0	100	0.00	0.0	4.802	0.000	3	0	1	1
437950	PL.20148	B	Consumer	14.87Y	123.9	0.00	2.07	0.00	0	0	0	100	0.00	0.0	4.751	0.000	0	0	0	0
437927	PL.20148	B	Consumer	14.87Y	123.9	0.00	2.07	0.00	0	0	0	100	0.00	0.0	4.751	0.000	0	0	0	0
PL.14007	PL.14005	A	4ACSR	15.05Y	125.4	0.00	0.58	0.57	0	9	1	99	0.00	0.0	4.490	0.018	0	0	0	2
PD.1414	PL.14007	A	fuse6AMP	15.05Y	125.4	0.00	0.58	0.57	10	9	1	99	0.00	0.0	4.490	0.000	0	0	0	2
PL.14008	PD.1414	A	4ACSR	15.05Y	125.4	0.00	0.58	0.57	0	9	1	99	0.00	0.0	4.541	0.051	0	0	0	2
PL.31887	PL.14008	A	4ACSR	15.05Y	125.4	0.00	0.58	0.28	0	4	0	100	0.00	0.0	4.672	0.131	0	0	0	1
4379057	PL.31887	A	Consumer	15.05Y	125.4	0.00	0.58	0.28	0	4	0	100	0.00	0.0	4.672	0.000	4	0	1	1
PL.23538	PL.14008	A	4ACSR	15.05Y	125.4	0.00	0.58	0.29	0	4	0	100	0.00	0.0	4.580	0.040	0	0	0	1
437915	PL.23538	A	Consumer	15.05Y	125.4	0.00	0.58	0.29	0	4	0	100	0.00	0.0	4.580	0.000	4	0	1	1
437917	PL.6720	B	Consumer	14.89Y	124.0	0.00	1.96	0.33	0	5	1	98	0.00	0.0	4.369	0.000	5	1	1	1
437918	PL.6720	B	Consumer	14.89Y	124.0	0.00	1.96	0.72	0	11	1	100	0.00	0.0	4.369	0.000	11	1	1	1
437951	PL.6720	B	Consumer	14.89Y	124.0	0.00	1.96	0.14	0	2	0	100	0.00	0.0	4.369	0.000	2	0	1	1
PL.23244	PL.23247	A	4ACSR	15.05Y	125.5	0.01	0.54	6.43	3	96	11	99	0.01	0.0	4.352	0.091	0	0	0	29
PD.3514	PL.23244	A	25V4E	15.05Y	125.5	0.00	0.54	6.43	26	96	11	99	0.00	0.0	4.352	0.000	0	0	0	29
PL.23245	PD.3514	A	4ACSR	15.05Y	125.5	0.00	0.54	6.43	3	96	11	99	0.00	0.0	4.372	0.020	0	0	0	29
PD.989	PL.23245	A	fuse10AMP	15.05Y	125.5	0.00	0.54	6.43	67	96	11	99	0.00	0.0	4.372	0.000	0	0	0	29
PL.14004	PD.989	A	4ACSR	15.05Y	125.5	0.00	0.55	6.43	3	96	11	99	0.00	0.0	4.398	0.026	0	0	0	29
437919	PL.14004	A	Consumer	15.05Y	125.5	0.00	0.55	0.11	0	2	0	100	0.00	0.0	4.398	0.000	2	0	1	1
PL.6721	PL.14004	A	4ACSR	15.05Y	125.4	0.01	0.56	6.32	3	95	10	99	0.01	0.0	4.509	0.111	0	0	0	28
PL.13771	PL.6721	A	4ACSR	15.05Y	125.4	0.01	0.57	6.26	3	94	10	99	0.01	0.0	4.598	0.089	0	0	0	27
PL.32990	PL.13771	A	4ACSR	15.05Y	125.4	0.00	0.58	0.51	0	8	1	99	0.00	0.0	4.603	0.005	0	0	0	5
PD.3940	PL.32990	A	fuse6AMP	15.05Y	125.4	0.00	0.58	0.51	9	8	1	99	0.00	0.0	4.603	0.000	0	0	0	5

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: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.32991	PD.3940	A	4ACSR	15.05Y	125.4	0.00	0.58	0.51	0	8	1	99	0.00	0.0	4.634	0.030	0	0	0	5
PL.13774	PL.32991	A	4ACSR	15.05Y	125.4	0.00	0.58	0.51	0	8	1	99	0.00	0.0	4.843	0.209	0	0	0	5
PL.2511	PL.13774	A	4ACSR	15.05Y	125.4	0.00	0.58	0.06	0	1	0	100	0.00	0.0	4.899	0.056	0	0	0	3
PL.1772	PL.2511	A	4ACSR	15.05Y	125.4	0.00	0.58	0.00	0	0	0	100	0.00	0.0	4.899	0.001	0	0	0	0
PL.1773	PL.2511	A	4ACSR	15.05Y	125.4	0.00	0.58	0.04	0	1	0	100	0.00	0.0	4.972	0.073	0	0	0	2
436919	PL.1773	A	Consumer	15.05Y	125.4	0.00	0.58	0.03	0	1	0	100	0.00	0.0	4.972	0.000	1	0	1	1
436918	PL.1773	A	Consumer	15.05Y	125.4	0.00	0.58	0.01	0	0	0	100	0.00	0.0	4.972	0.000	0	0	1	1
436927	PL.2511	A	Consumer	15.05Y	125.4	0.00	0.58	0.01	0	0	0	100	0.00	0.0	4.899	0.000	0	0	1	1
437943	PL.13774	A	Consumer	15.05Y	125.4	0.00	0.58	0.04	0	1	0	100	0.00	0.0	4.843	0.000	1	0	1	1
437912	PL.13774	A	Consumer	15.05Y	125.4	0.00	0.58	0.42	0	6	1	99	0.00	0.0	4.843	0.000	6	1	1	1
PL.13772	PL.13771	A	4ACSR	15.05Y	125.4	0.01	0.59	5.22	3	78	9	99	0.01	0.0	4.698	0.100	0	0	0	21
PL.2510	PL.13772	A	4ACSR	15.05Y	125.4	0.00	0.59	0.00	0	0	0	100	0.00	0.0	4.698	0.000	0	0	0	0
PL.116	PL.13772	A	4ACSR	15.05Y	125.4	0.03	0.62	5.22	3	78	9	99	0.02	0.0	4.980	0.282	0	0	0	21
PL.15540	PL.116	A	4ACSR	15.05Y	125.4	0.00	0.62	5.22	3	78	9	99	0.00	0.0	5.013	0.032	0	0	0	21
446204	PL.15540	A	Consumer	15.05Y	125.4	0.00	0.62	0.02	0	0	0	100	0.00	0.0	5.013	0.000	0	0	1	1
PL.2744	PL.15540	A	4ACSR	15.05Y	125.4	0.00	0.62	4.38	2	65	7	99	0.00	0.0	5.013	0.001	0	0	0	18
PL.14517	PL.2744	A	4ACSR	15.05Y	125.4	0.00	0.62	4.38	2	65	7	99	0.00	0.0	5.055	0.041	0	0	0	18
PL.13769	PL.14517	A	4ACSR	15.04Y	125.4	0.00	0.63	4.38	2	65	7	99	0.00	0.0	5.060	0.006	0	0	0	18
PD.383-A	PL.13769	A	Closed	15.04Y	125.4	0.00	0.63	4.38	0	65	7	99	0.00	0.0	5.060	0.000	0	0	0	18
PD.383-B	PD.383-A	A	Closed	15.04Y	125.4	0.00	0.63	4.38	0	65	7	99	0.00	0.0	5.060	0.000	0	0	0	18
PL.13770	PD.383-B	A	4ACSR	15.04Y	125.4	0.02	0.65	4.38	2	65	7	99	0.01	0.0	5.292	0.232	0	0	0	18
PL.13768	PL.13770	A	4ACSR	15.04Y	125.3	0.01	0.66	4.38	2	65	7	99	0.01	0.0	5.440	0.148	0	0	0	17
PL.26624	PL.13768	A	4ACSR	15.04Y	125.3	0.00	0.66	3.93	2	59	6	99	0.00	0.0	5.440	0.000	0	0	0	15
PL.26623	PL.26624	A	4ACSR	15.04Y	125.3	0.01	0.67	3.01	2	45	5	99	0.00	0.0	5.620	0.180	0	0	0	13
PL.14120	PL.26623	A	4ACSR	15.04Y	125.3	0.00	0.67	2.74	1	41	5	99	0.00	0.0	5.635	0.016	0	0	0	11
PL.14116	PL.14120	A	4ACSR	15.04Y	125.3	0.01	0.69	2.74	1	41	5	99	0.00	0.0	5.856	0.221	0	0	0	11
PL.14119	PL.14116	A	4ACSR	15.04Y	125.3	0.00	0.69	0.67	0	10	1	100	0.00	0.0	5.862	0.006	0	0	0	2
PD.1406	PL.14119	A	fuse6AMP	15.04Y	125.3	0.00	0.69	0.67	11	10	1	100	0.00	0.0	5.862	0.000	0	0	0	2
PL.14118	PD.1406	A	4ACSR	15.04Y	125.3	0.00	0.69	0.67	0	10	1	100	0.00	0.0	5.869	0.007	0	0	0	2
436908	PL.14118	A	Consumer	15.04Y	125.3	0.00	0.69	0.16	0	2	0	100	0.00	0.0	5.869	0.000	2	0	1	1
PL.2465	PL.14118	A	4ACSR	15.04Y	125.3	0.00	0.69	0.50	0	8	1	99	0.00	0.0	5.917	0.048	0	0	0	1
436936	PL.2465	A	Consumer	15.04Y	125.3	0.00	0.69	0.50	0	8	1	99	0.00	0.0	5.917	0.000	8	1	1	1
PL.14117	PL.14116	A	4ACSR	15.04Y	125.3	0.00	0.69	2.08	1	31	3	100	0.00	0.0	5.907	0.051	0	0	0	9
PL.14114	PL.14117	A	4ACSR	15.04Y	125.3	0.01	0.69	1.67	1	25	3	99	0.00	0.0	6.051	0.144	0	0	0	8
436907	PL.14114	A	Consumer	15.04Y	125.3	0.00	0.69	0.17	0	3	0	100	0.00	0.0	6.051	0.000	3	0	1	1
436932	PL.14114	A	Consumer	15.04Y	125.3	0.00	0.69	0.42	0	6	1	99	0.00	0.0	6.051	0.000	6	1	1	1
436925	PL.14114	A	Consumer	15.04Y	125.3	0.00	0.69	0.14	0	2	0	100	0.00	0.0	6.051	0.000	2	0	1	1
436924	PL.14114	A	Consumer	15.04Y	125.3	0.00	0.69	0.00	0	0	0	100	0.00	0.0	6.051	0.000	0	0	0	0

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

Unbalanced Voltage Drop Report
Source: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.14115	PL.14114	A	4ACSR	15.04Y	125.3	0.00	0.70	0.93	0	14	2	99	0.00	0.0	6.205	0.154	0	0	0	5
435917	PL.14115	A	Consumer	15.04Y	125.3	0.00	0.70	0.13	0	2	0	100	0.00	0.0	6.205	0.000	2	0	1	1
PL.14113	PL.14115	A	4ACSR	15.04Y	125.3	0.00	0.70	0.81	0	12	1	100	0.00	0.0	6.443	0.239	0	0	0	3
PL.24803	PL.14113	A	4ACSR	15.04Y	125.3	0.00	0.70	0.00	0	0	0	100	0.00	0.0	6.527	0.084	0	0	0	0
PL.2455	PL.14113	A	4ACSR	15.04Y	125.3	0.00	0.70	0.68	0	10	1	100	0.00	0.0	6.482	0.039	0	0	0	2
PL.2456	PL.2455	A	4ACSR	15.04Y	125.3	0.00	0.70	0.68	0	10	1	100	0.00	0.0	6.526	0.044	0	0	0	2
PL.14010	PL.2456	A	4ACSR	15.04Y	125.3	0.00	0.70	0.00	0	0	0	100	0.00	0.0	6.532	0.006	0	0	0	0
PD.335-B	PL.14010	A	Open	15.04Y	125.3	0.00	0.70	0.00	0	0	0	100	0.00	0.0	6.532	0.000	0	0	0	0
435907	PL.2456	A	Consumer	15.04Y	125.3	0.00	0.70	0.00	0	0	0	100	0.00	0.0	6.526	0.000	0	0	0	0
435912	PL.2456	A	Consumer	15.04Y	125.3	0.00	0.70	0.54	0	8	1	99	0.00	0.0	6.526	0.000	8	1	1	1
435906	PL.2456	A	Consumer	15.04Y	125.3	0.00	0.70	0.14	0	2	0	100	0.00	0.0	6.526	0.000	2	0	1	1
435905	PL.14113	A	Consumer	15.04Y	125.3	0.00	0.70	0.13	0	2	0	100	0.00	0.0	6.443	0.000	2	0	1	1
PL.45666	PL.14115	A	4ACSR	15.04Y	125.3	0.00	0.70	0.00	0	0	0	100	0.00	0.0	6.302	0.098	0	0	0	1
PL.45667	PL.45666	A	4ACSR	15.04Y	125.3	0.00	0.70	0.00	0	0	0	100	0.00	0.0	6.558	0.255	0	0	0	1
435904	PL.45667	A	Consumer	15.04Y	125.3	0.00	0.70	0.00	0	0	0	100	0.00	0.0	6.558	0.000	0	0	1	1
PL.45665	PL.45666	A	2ACSR	15.04Y	125.3	0.00	0.70	0.00	0	0	0	100	0.00	0.0	6.340	0.038	0	0	0	0
4359022	PL.45665	A	Consumer	15.04Y	125.3	0.00	0.70	0.00	0	0	0	100	0.00	0.0	6.340	0.000	0	0	0	0
PL.2057	PL.14117	A	4ACSR	15.04Y	125.3	0.00	0.69	0.41	0	6	1	99	0.00	0.0	6.063	0.156	0	0	0	1
436937	PL.2057	A	Consumer	15.04Y	125.3	0.00	0.69	0.41	0	6	1	99	0.00	0.0	6.063	0.000	6	1	1	1
PL.2466	PL.14117	A	4ACSR	15.04Y	125.3	0.00	0.69	0.00	0	0	0	100	0.00	0.0	5.937	0.030	0	0	0	0
PL.1774	PL.2466	A	4ACSR	15.04Y	125.3	0.00	0.69	0.00	0	0	0	100	0.00	0.0	5.984	0.047	0	0	0	0
436916	PL.1774	A	Consumer	15.04Y	125.3	0.00	0.69	0.00	0	0	0	100	0.00	0.0	5.984	0.000	0	0	0	0
436920	PL.2466	A	Consumer	15.04Y	125.3	0.00	0.69	0.00	0	0	0	100	0.00	0.0	5.937	0.000	0	0	0	0
PL.26622	PL.26623	A	4ACSR	15.04Y	125.3	0.00	0.67	0.27	0	4	0	100	0.00	0.0	5.643	0.023	0	0	0	2
PD.1460	PL.26622	A	fuse6AMP	15.04Y	125.3	0.00	0.67	0.27	5	4	0	100	0.00	0.0	5.643	0.000	0	0	0	2
PL.26621	PD.1460	A	4ACSR	15.04Y	125.3	0.00	0.67	0.27	0	4	0	100	0.00	0.0	5.682	0.038	0	0	0	2
446201	PL.26621	A	Consumer	15.04Y	125.3	0.00	0.67	0.23	0	4	0	100	0.00	0.0	5.682	0.000	4	0	1	1
446207	PL.26621	A	Consumer	15.04Y	125.3	0.00	0.67	0.04	0	1	0	100	0.00	0.0	5.682	0.000	1	0	1	1
PL.13766	PL.26624	A	4ACSR	15.04Y	125.3	0.00	0.66	0.91	0	14	2	99	0.00	0.0	5.455	0.015	0	0	0	2
PD.1458	PL.13766	A	fuse6AMP	15.04Y	125.3	0.00	0.66	0.91	16	14	2	99	0.00	0.0	5.455	0.000	0	0	0	2
PL.13767	PD.1458	A	4ACSR	15.04Y	125.3	0.00	0.66	0.91	0	14	2	99	0.00	0.0	5.525	0.071	0	0	0	2
PL.2745	PL.13767	A	4ACSR	15.04Y	125.3	0.00	0.66	0.57	0	9	1	99	0.00	0.0	5.587	0.061	0	0	0	1
446217	PL.2745	A	Consumer	15.04Y	125.3	0.00	0.66	0.57	0	9	1	99	0.00	0.0	5.587	0.000	9	1	1	1
PL.26625	PL.13767	A	4ACSR	15.04Y	125.3	0.00	0.66	0.34	0	5	1	98	0.00	0.0	5.592	0.067	0	0	0	1
446208	PL.26625	A	Consumer	15.04Y	125.3	0.00	0.66	0.34	0	5	1	98	0.00	0.0	5.592	0.000	5	1	1	1
446202	PL.13768	A	Consumer	15.04Y	125.3	0.00	0.66	0.45	0	7	1	99	0.00	0.0	5.440	0.000	7	1	1	1
PL.13764	PL.13768	A	4ACSR	15.04Y	125.3	0.00	0.66	0.00	0	0	0	100	0.00	0.0	5.456	0.017	0	0	0	1
PD.1459	PL.13764	A	fuse6AMP	15.04Y	125.3	0.00	0.66	0.00	0	0	0	100	0.00	0.0	5.456	0.000	0	0	0	1

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Unbalanced Voltage Drop Report
Source: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.13765	PD.1459	A	4ACSR	15.04Y	125.3	0.00	0.66	0.00	0	0	0	100	0.00	0.0	5.484	0.027	0	0	0	1
446216	PL.13765	A	Consumer	15.04Y	125.3	0.00	0.66	0.00	0	0	0	100	0.00	0.0	5.484	0.000	0	0	1	1
PL.24757	PL.13765	A	4ACSR	15.04Y	125.3	0.00	0.66	0.00	0	0	0	100	0.00	0.0	5.535	0.051	0	0	0	0
PL.45506	PL.13770	A	4ACSR	15.04Y	125.4	0.00	0.65	0.00	0	0	0	100	0.00	0.0	5.317	0.025	0	0	0	1
PD.8659	PL.45506	A	fuse6AMP	15.04Y	125.4	0.00	0.65	0.00	0	0	0	100	0.00	0.0	5.317	0.000	0	0	0	1
PL.45507	PD.8659	A	4ACSR	15.04Y	125.4	0.00	0.65	0.00	0	0	0	100	0.00	0.0	5.538	0.221	0	0	0	1
446205	PL.45507	A	Consumer	15.04Y	125.4	0.00	0.65	0.00	0	0	0	100	0.00	0.0	5.538	0.000	0	0	0	0
PL.2723	PL.45507	A	4ACSR	15.04Y	125.4	0.00	0.65	0.00	0	0	0	100	0.00	0.0	5.628	0.091	0	0	0	1
PL.24754	PL.2723	A	4ACSR	15.04Y	125.4	0.00	0.65	0.00	0	0	0	100	0.00	0.0	5.702	0.073	0	0	0	0
PL.24755	PL.24754	A	4ACSR	15.04Y	125.4	0.00	0.65	0.00	0	0	0	100	0.00	0.0	5.702	0.000	0	0	0	0
PL.2725	PL.2723	A	4ACSR	15.04Y	125.4	0.00	0.65	0.00	0	0	0	100	0.00	0.0	5.713	0.085	0	0	0	1
446209	PL.2725	A	Consumer	15.04Y	125.4	0.00	0.65	0.00	0	0	0	100	0.00	0.0	5.713	0.000	0	0	1	1
PL.2724	PL.2723	A	4ACSR	15.04Y	125.4	0.00	0.65	0.00	0	0	0	100	0.00	0.0	5.752	0.124	0	0	0	0
PL.24758	PL.2724	A	4ACSR	15.04Y	125.4	0.00	0.65	0.00	0	0	0	100	0.00	0.0	5.905	0.153	0	0	0	0
PL.24759	PL.24758	A	4ACSR	15.04Y	125.4	0.00	0.65	0.00	0	0	0	100	0.00	0.0	6.073	0.167	0	0	0	0
446210	PL.24759	A	Consumer	15.04Y	125.4	0.00	0.65	0.00	0	0	0	100	0.00	0.0	6.073	0.000	0	0	0	0
PL.6458	PL.15540	A	4ACSR	15.05Y	125.4	0.00	0.62	0.83	0	12	1	100	0.00	0.0	5.090	0.077	0	0	0	2
PL.19470	PL.6458	A	4ACSR	15.05Y	125.4	0.00	0.62	0.40	0	6	1	99	0.00	0.0	5.154	0.064	0	0	0	1
447232	PL.19470	A	Consumer	15.05Y	125.4	0.00	0.62	0.00	0	0	0	100	0.00	0.0	5.154	0.000	0	0	0	0
447243	PL.19470	A	Consumer	15.05Y	125.4	0.00	0.62	0.40	0	6	1	99	0.00	0.0	5.154	0.000	6	1	1	1
PL.19471	PL.19470	A	4ACSR	15.05Y	125.4	0.00	0.62	0.00	0	0	0	100	0.00	0.0	5.276	0.122	0	0	0	0
PL.2767	PL.19471	A	4ACSR	15.05Y	125.4	0.00	0.62	0.00	0	0	0	100	0.00	0.0	5.312	0.035	0	0	0	0
PL.2766	PL.2767	A	4ACSR	15.05Y	125.4	0.00	0.62	0.00	0	0	0	100	0.00	0.0	5.356	0.044	0	0	0	0
447245	PL.6458	A	Consumer	15.05Y	125.4	0.00	0.62	0.00	0	0	0	100	0.00	0.0	5.090	0.000	0	0	0	0
447240	PL.6458	A	Consumer	15.05Y	125.4	0.00	0.62	0.43	0	6	1	99	0.00	0.0	5.090	0.000	6	1	1	1
PL.31888	PL.13771	A	4ACSR	15.05Y	125.4	0.00	0.58	0.54	0	8	1	99	0.00	0.0	4.720	0.121	0	0	0	1
4379056	PL.31888	A	Consumer	15.05Y	125.4	0.00	0.58	0.54	0	8	1	99	0.00	0.0	4.720	0.000	8	1	1	1
437931	PL.6721	A	Consumer	15.05Y	125.4	0.00	0.56	0.06	0	1	0	100	0.00	0.0	4.509	0.000	1	0	1	1
437922	PL.14015	C	Consumer	15.00Y	125.0	0.00	1.01	0.33	0	5	1	98	0.00	0.0	4.035	0.000	5	1	1	1
437954	PL.14015	C	Consumer	15.00Y	125.0	0.00	1.01	0.33	0	5	1	98	0.00	0.0	4.035	0.000	5	1	1	1
PL.13294	PL.14011	B	4ACSR	14.90Y	124.2	0.00	1.84	1.04	1	15	2	99	0.00	0.0	3.977	0.010	0	0	0	3
PD.1413	PL.13294	B	fuse6AMP	14.90Y	124.2	0.00	1.84	1.04	18	15	2	99	0.00	0.0	3.977	0.000	0	0	0	3
PL.13295	PD.1413	B	4ACSR	14.90Y	124.2	0.00	1.84	1.04	1	15	2	99	0.00	0.0	4.094	0.117	0	0	0	3
437948	PL.13295	B	Consumer	14.90Y	124.2	0.00	1.84	0.56	0	8	1	99	0.00	0.0	4.094	0.000	8	1	1	1
PL.45903	PL.13295	B	2ACSR	14.90Y	124.2	0.00	1.84	0.49	0	7	1	99	0.00	0.0	4.132	0.038	0	0	0	2
PL.45904	PL.45903	B	2ACSR	14.90Y	124.2	0.00	1.84	0.49	0	7	1	99	0.00	0.0	4.167	0.034	0	0	0	2
PL.45902	PL.45904	B	4ACSR	14.90Y	124.2	0.00	1.84	0.07	0	1	0	100	0.00	0.0	4.192	0.025	0	0	0	1
PL.2671	PL.45902	B	4ACSR	14.90Y	124.2	0.00	1.84	0.07	0	1	0	100	0.00	0.0	4.239	0.047	0	0	0	1

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

Unbalanced Voltage Drop Report
Source: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
437947	PL.2671	B	Consumer	14.90Y	124.2	0.00	1.84	0.07	0	1	0	100	0.00	0.0	4.239	0.000	1	0	1	1
437953	PL.2671	B	Consumer	14.90Y	124.2	0.00	1.84	0.00	0	0	0	100	0.00	0.0	4.239	0.000	0	0	0	0
PL.13299	PL.45902	B	4ACSR	14.90Y	124.2	0.00	1.84	0.00	0	0	0	100	0.00	0.0	4.235	0.043	0	0	0	0
PL.45901	PL.45904	B	4ACSR	14.90Y	124.2	0.00	1.84	0.41	0	6	1	99	0.00	0.0	4.245	0.078	0	0	0	1
PL.6727	PL.45901	B	4ACSR	14.90Y	124.2	0.00	1.84	0.00	0	0	0	100	0.00	0.0	4.245	0.001	0	0	0	0
437952	PL.45901	B	Consumer	14.90Y	124.2	0.00	1.84	0.41	0	6	1	99	0.00	0.0	4.245	0.000	6	1	1	1
4379059	PL.45903	B	Consumer	14.90Y	124.2	0.00	1.84	0.00	0	0	0	100	0.00	0.0	4.132	0.000	0	0	0	0
PL.13296	PL.14011	A	1/0ACSR	15.07Y	125.6	-0.00	0.41	6.69	2	100	12	99	0.01	0.0	3.979	0.011	0	0	0	19
		B		14.90Y	124.2	0.00	1.84	13.75	4	204	23	99					0	0	0	55
		C		15.00Y	125.0	0.00	1.01	23.49	7	350	40	99					0	0	0	74
PD.337-A	PL.13296	A	Closed	15.07Y	125.6	0.00	0.41	6.69	0	100	12	99	0.00	0.0	3.979	0.000	0	0	0	19
		B		14.90Y	124.2	0.00	1.84	13.75	0	204	23	99					0	0	0	55
		C		15.00Y	125.0	0.00	1.01	23.49	0	350	40	99					0	0	0	74
PD.337-B	PD.337-A	A	Closed	15.07Y	125.6	0.00	0.41	6.69	0	100	12	99	0.00	0.0	3.979	0.000	0	0	0	19
		B		14.90Y	124.2	0.00	1.84	13.75	0	204	23	99					0	0	0	55
		C		15.00Y	125.0	0.00	1.01	23.49	0	350	40	99					0	0	0	74
PL.13297	PD.337-B	A	1/0ACSR	15.07Y	125.6	-0.00	0.41	6.69	2	100	12	99	0.03	0.0	4.025	0.046	0	0	0	19
		B		14.90Y	124.1	0.01	1.85	13.75	4	204	23	99					0	0	0	55
		C		15.00Y	125.0	0.01	1.02	23.49	7	350	40	99					0	0	0	74
PL.14017	PL.13297	A	1/0ACSR	15.07Y	125.6	-0.01	0.41	6.69	2	100	12	99	0.20	0.0	4.308	0.283	0	0	0	19
		B		14.89Y	124.1	0.05	1.90	13.75	4	204	23	99					0	0	0	55
		C		14.99Y	124.9	0.05	1.07	23.49	7	350	40	99					0	0	0	74
438911	PL.14017	B	Consumer	14.89Y	124.1	0.00	1.90	0.00	0	0	0	100	0.00	0.0	4.308	0.000	0	0	0	0
PL.14018	PL.14017	A	1/0ACSR	15.07Y	125.6	-0.00	0.41	6.69	2	100	12	99	0.07	0.0	4.405	0.097	0	0	0	19
		B		14.89Y	124.1	0.02	1.92	13.75	4	203	23	99					0	0	0	55
		C		14.99Y	124.9	0.02	1.09	23.49	7	350	40	99					0	0	0	74
PL.14021	PL.14018	A	1/0ACSR	15.07Y	125.6	-0.00	0.41	6.69	2	100	12	99	0.05	0.0	4.469	0.064	0	0	0	19
		B		14.89Y	124.1	0.01	1.93	13.72	4	203	23	99					0	0	0	54
		C		14.99Y	124.9	0.01	1.10	23.49	7	350	40	99					0	0	0	74
PL.14022	PL.14021	B	4ACSR	14.89Y	124.1	0.00	1.93	0.11	0	2	0	100	0.00	0.0	4.627	0.158	0	0	0	2
PD.341-A	PL.14022	B	Closed	14.89Y	124.1	0.00	1.93	0.11	0	2	0	100	0.00	0.0	4.627	0.000	0	0	0	2
PD.341-B	PD.341-A	B	Closed	14.89Y	124.1	0.00	1.93	0.11	0	2	0	100	0.00	0.0	4.627	0.000	0	0	0	2
PL.2668	PD.341-B	B	4ACSR	14.89Y	124.1	0.00	1.93	0.11	0	2	0	100	0.00	0.0	4.746	0.120	0	0	0	2
437930	PL.2668	B	Consumer	14.89Y	124.1	0.00	1.93	0.10	0	1	0	100	0.00	0.0	4.746	0.000	1	0	1	1
PL.2669	PL.2668	B	4ACSR	14.89Y	124.1	0.00	1.93	0.02	0	0	0	100	0.00	0.0	4.890	0.144	0	0	0	1
PL.2670	PL.2669	B	4ACSR	14.89Y	124.1	0.00	1.93	0.02	0	0	0	100	0.00	0.0	4.938	0.048	0	0	0	1
437940	PL.2670	B	Consumer	14.89Y	124.1	0.00	1.93	0.02	0	0	0	100	0.00	0.0	4.938	0.000	0	0	1	1
PL.14023	PL.14021	A	1/0ACSR	15.07Y	125.6	-0.00	0.41	6.69	2	100	12	99	0.01	0.0	4.477	0.008	0	0	0	19
		B		14.89Y	124.1	0.00	1.93	13.61	4	201	23	99					0	0	0	52
		C		14.99Y	124.9	0.00	1.10	23.49	7	350	40	99					0	0	0	74
C PD.992	PL.14023	A	fuse6AMP	15.07Y	125.6	0.00	0.41	6.69	114	100	12	99	0.00	0.0	4.477	0.000	0	0	0	19 C
C		B		14.89Y	124.1	0.00	1.93	13.61	232	201	23	99					0	0	0	52 C
C		C		14.99Y	124.9	0.00	1.10	23.49	401	350	40	99					0	0	0	74 C
PL.13775	PD.992	A	1/0ACSR	15.07Y	125.6	-0.00	0.40	6.69	2	100	12	99	0.08	0.0	4.591	0.114	0	0	0	19
		B		14.89Y	124.1	0.02	1.95	13.61	4	201	23	99					0	0	0	52
		C		14.98Y	124.9	0.02	1.13	23.49	7	350	40	99					0	0	0	74
PL.13776	PL.13775	A	1/0ACSR	15.07Y	125.6	-0.00	0.40	6.69	2	100	12	99	0.04	0.0	4.645	0.054	0	0	0	19
		B		14.89Y	124.0	0.01	1.96	13.27	4	196	22	99					0	0	0	51
		C		14.98Y	124.9	0.01	1.14	23.49	7	350	40	99					0	0	0	74

Unbalanced Voltage Drop Report
Source: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
438919	PL.13776	B	Consumer	14.89Y	124.0	0.00	1.96	0.20	0	3	0	100	0.00	0.0	4.645	0.000	3	0	1	1
PL.13778	PL.13776	A	1/0ACSR	15.07Y	125.6	-0.00	0.40	6.69	2	100	12	99	0.05	0.0	4.712	0.068	0	0	0	19
		B		14.88Y	124.0	0.01	1.97	13.07	4	193	22	99					0	0	0	49
		C		14.98Y	124.8	0.01	1.15	23.49	7	350	40	99					0	0	0	74
PL.13779	PL.13778	A	1/0ACSR	15.07Y	125.6	-0.00	0.40	6.69	2	100	12	99	0.02	0.0	4.742	0.030	0	0	0	19
		B		14.88Y	124.0	0.00	1.97	12.55	4	186	21	99					0	0	0	48
		C		14.98Y	124.8	0.01	1.16	23.49	7	350	40	99					0	0	0	74
PL.13777	PL.13779	A	1/0ACSR	15.07Y	125.6	-0.00	0.40	6.69	2	100	12	99	0.02	0.0	4.766	0.023	0	0	0	19
		B		14.88Y	124.0	0.00	1.98	12.34	4	183	21	99					0	0	0	47
		C		14.98Y	124.8	0.00	1.16	23.49	7	350	40	99					0	0	0	74
438930	PL.13777	B	Consumer	14.88Y	124.0	0.00	1.98	0.64	0	9	1	99	0.00	0.0	4.766	0.000	9	1	1	1
PL.13780	PL.13777	A	1/0ACSR	15.07Y	125.6	-0.00	0.40	6.69	2	100	12	99	0.03	0.0	4.812	0.046	0	0	0	19
		B		14.88Y	124.0	0.01	1.98	11.70	4	173	20	99					0	0	0	46
		C		14.98Y	124.8	0.01	1.17	23.49	7	350	40	99					0	0	0	74
PL.13783	PL.13780	B	4ACSR	14.88Y	124.0	0.00	1.98	0.98	1	14	4	96	0.00	0.0	4.819	0.007	0	0	0	4
PD.993	PL.13783	B	fuse6AMP	14.88Y	124.0	0.00	1.98	0.98	17	14	4	96	0.00	0.0	4.819	0.000	0	0	0	4
PL.13784	PD.993	B	4ACSR	14.88Y	124.0	0.00	1.99	0.98	1	14	4	96	0.00	0.0	4.833	0.014	0	0	0	4
PL.13782	PL.13784	B	4ACSR	14.88Y	124.0	0.00	1.99	0.49	0	7	3	92	0.00	0.0	4.898	0.065	0	0	0	3
438925	PL.13782	B	Consumer	14.88Y	124.0	0.00	1.99	0.49	0	7	3	92	0.00	0.0	4.898	0.000	7	3	1	1
438942	PL.13782	B	Consumer	14.88Y	124.0	0.00	1.99	0.00	0	0	0	100	0.00	0.0	4.898	0.000	0	0	1	1
PL.33926	PL.13782	B	2ACSR	14.88Y	124.0	0.00	1.99	0.00	0	0	0	100	0.00	0.0	5.041	0.143	0	0	0	1
4389043	PL.33926	B	Consumer	14.88Y	124.0	0.00	1.99	0.00	0	0	0	100	0.00	0.0	5.041	0.000	0	0	1	1
438912	PL.13784	B	Consumer	14.88Y	124.0	0.00	1.99	0.51	0	7	1	99	0.00	0.0	4.833	0.000	7	1	1	1
PL.13781	PL.13780	A	1/0ACSR	15.07Y	125.6	-0.01	0.39	6.69	2	100	12	99	0.13	0.0	5.011	0.199	0	0	0	19
		B		14.88Y	124.0	0.03	2.01	9.84	3	146	14	100					0	0	0	38
		C		14.97Y	124.8	0.04	1.21	23.49	7	350	40	99					0	0	0	74
PL.14156	PL.13781	A	1/0ACSR	15.07Y	125.6	-0.00	0.39	6.69	2	100	12	99	0.01	0.0	5.025	0.014	0	0	0	19
		B		14.88Y	124.0	0.00	2.01	8.22	2	122	12	100					0	0	0	33
		C		14.97Y	124.8	0.00	1.22	23.49	7	349	40	99					0	0	0	74
C PD.995	PL.14156	A	fuse6AMP	15.07Y	125.6	0.00	0.39	6.69	114	100	12	99	0.00	0.0	5.025	0.000	0	0	0	19 C
C		B		14.88Y	124.0	0.00	2.01	8.22	140	122	12	100					0	0	0	33 C
C		C		14.97Y	124.8	0.00	1.22	23.49	401	349	40	99					0	0	0	74 C
PL.27654	PD.995	A	1/0ACSR	15.07Y	125.6	-0.00	0.39	6.69	2	100	12	99	0.03	0.0	5.079	0.054	0	0	0	19
		B		14.88Y	124.0	0.01	2.02	8.22	2	122	12	100					0	0	0	33
		C		14.97Y	124.8	0.01	1.23	23.49	7	349	40	99					0	0	0	74
PL.27655	PL.27654	A	1/0ACSR	15.07Y	125.6	-0.00	0.39	6.69	2	100	12	99	0.06	0.0	5.181	0.103	0	0	0	19
		B		14.88Y	124.0	0.01	2.03	7.68	2	114	11	100					0	0	0	31
		C		14.97Y	124.7	0.02	1.25	23.49	7	349	40	99					0	0	0	74
PL.14157	PL.27655	B	4ACSR	14.88Y	124.0	0.00	2.03	1.19	1	18	2	99	0.00	0.0	5.210	0.028	0	0	0	4
PD.996	PL.14157	B	fuse6AMP	14.88Y	124.0	0.00	2.03	1.19	20	18	2	99	0.00	0.0	5.210	0.000	0	0	0	4
PL.14158	PD.996	B	4ACSR	14.88Y	124.0	0.00	2.03	1.19	1	18	2	99	0.00	0.0	5.277	0.067	0	0	0	4
PL.2525	PL.14158	B	4ACSR	14.88Y	124.0	0.00	2.03	0.36	0	5	1	98	0.00	0.0	5.370	0.094	0	0	0	1
438921	PL.2525	B	Consumer	14.88Y	124.0	0.00	2.03	0.36	0	5	1	98	0.00	0.0	5.370	0.000	5	1	1	1
PL.2521	PL.14158	B	4ACSR	14.88Y	124.0	0.00	2.03	0.83	0	12	1	100	0.00	0.0	5.357	0.081	0	0	0	3
PL.2522	PL.2521	B	4ACSR	14.88Y	124.0	0.00	2.03	0.39	0	6	1	99	0.00	0.0	5.408	0.051	0	0	0	1
PL.2666	PL.2522	B	4ACSR	14.88Y	124.0	0.00	2.03	0.00	0	0	0	100	0.00	0.0	5.452	0.044	0	0	0	0
PL.2667	PL.2522	B	4ACSR	14.88Y	124.0	0.00	2.03	0.39	0	6	1	99	0.00	0.0	5.490	0.082	0	0	0	1

Unbalanced Voltage Drop Report
Source: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
438826	PL.2667	B	Consumer	14.88Y	124.0	0.00	2.03	0.39	0	6	1	99	0.00	0.0	5.490	0.000	6	1	1	1
PL.2680	PL.2521	B	4ACSR	14.88Y	124.0	0.00	2.03	0.44	0	7	1	99	0.00	0.0	5.391	0.034	0	0	0	2
438843	PL.2680	B	Consumer	14.88Y	124.0	0.00	2.03	0.40	0	6	1	99	0.00	0.0	5.391	0.000	6	1	1	1
438864	PL.2680	B	Consumer	14.88Y	124.0	0.00	2.03	0.04	0	1	0	100	0.00	0.0	5.391	0.000	1	0	1	1
PL.14159	PL.27655	A	1/0ACSR	15.07Y	125.6	-0.00	0.38	6.69	2	100	12	99	0.05	0.0	5.258	0.076	0	0	0	19
		B		14.88Y	124.0	0.01	2.04	6.48	2	96	9	100					0	0	0	27
		C		14.97Y	124.7	0.02	1.27	23.49	7	349	40	99					0	0	0	74
PL.14162	PL.14159	B	4ACSR	14.88Y	124.0	0.00	2.04	0.76	0	11	1	100	0.00	0.0	5.267	0.010	0	0	0	4
PD.998	PL.14162	B	fuse6AMP	14.88Y	124.0	0.00	2.04	0.76	13	11	1	100	0.00	0.0	5.267	0.000	0	0	0	4
PL.14163	PD.998	B	4ACSR	14.88Y	124.0	0.00	2.04	0.76	0	11	1	100	0.00	0.0	5.335	0.068	0	0	0	4
438901	PL.14163	B	Consumer	14.88Y	124.0	0.00	2.04	0.25	0	4	0	100	0.00	0.0	5.335	0.000	4	0	1	1
438926	PL.14163	B	Consumer	14.88Y	124.0	0.00	2.04	0.51	0	8	1	99	0.00	0.0	5.335	0.000	8	1	1	1
438932	PL.14163	B	Consumer	14.88Y	124.0	0.00	2.04	0.00	0	0	0	100	0.00	0.0	5.335	0.000	0	0	1	1
PL.2519	PL.14163	B	4ACSR	14.88Y	124.0	0.00	2.04	0.00	0	0	0	100	0.00	0.0	5.500	0.165	0	0	0	1
PL.2673	PL.2519	B	4ACSR	14.88Y	124.0	0.00	2.04	0.00	0	0	0	100	0.00	0.0	5.558	0.058	0	0	0	1
438931	PL.2673	B	Consumer	14.88Y	124.0	0.00	2.04	0.00	0	0	0	100	0.00	0.0	5.558	0.000	0	0	1	1
PL.14164	PL.14159	A	1/0ACSR	15.07Y	125.6	-0.00	0.38	6.69	2	100	12	99	0.06	0.0	5.364	0.106	0	0	0	19
		B		14.87Y	124.0	0.01	2.05	5.55	2	82	7	100					0	0	0	22
		C		14.96Y	124.7	0.02	1.29	23.49	7	349	39	99					0	0	0	74
PL.14165	PL.14164	A	1/0ACSR	15.07Y	125.6	-0.00	0.38	6.69	2	100	12	99	0.03	0.0	5.413	0.049	0	0	0	19
		B		14.87Y	123.9	0.00	2.05	4.45	1	66	6	100					0	0	0	19
		C		14.96Y	124.7	0.01	1.30	23.49	7	349	39	99					0	0	0	74
438812	PL.14165	B	Consumer	14.87Y	123.9	0.00	2.05	0.27	0	4	0	100	0.00	0.0	5.413	0.000	4	0	1	1
PL.6716	PL.14165	A	1/0ACSR	15.07Y	125.6	-0.00	0.38	6.69	2	100	12	99	0.02	0.0	5.454	0.041	0	0	0	19
		B		14.87Y	123.9	0.00	2.05	4.18	1	62	6	100					0	0	0	18
		C		14.96Y	124.7	0.01	1.31	23.49	7	349	39	99					0	0	0	74
PL.14731	PL.6716	B	4ACSR	14.87Y	123.9	0.00	2.05	0.27	0	4	0	100	0.00	0.0	5.464	0.010	0	0	0	1
PD.1000	PL.14731	B	fuse6AMP	14.87Y	123.9	0.00	2.05	0.27	5	4	0	100	0.00	0.0	5.464	0.000	0	0	0	1
PL.14732	PD.1000	B	4ACSR	14.87Y	123.9	0.00	2.05	0.27	0	4	0	100	0.00	0.0	5.533	0.069	0	0	0	1
438815	PL.14732	B	Consumer	14.87Y	123.9	0.00	2.05	0.27	0	4	0	100	0.00	0.0	5.533	0.000	4	0	1	1
PL.14733	PL.6716	A	1/0ACSR	15.08Y	125.6	-0.00	0.37	6.69	2	100	12	99	0.05	0.0	5.530	0.076	0	0	0	19
		B		14.87Y	123.9	0.01	2.06	3.91	1	58	6	100					0	0	0	17
		C		14.96Y	124.7	0.02	1.33	23.49	7	349	39	99					0	0	0	74
PL.14586	PL.14733	A	1/0ACSR	15.08Y	125.6	-0.00	0.37	6.69	2	100	12	99	0.05	0.0	5.616	0.086	0	0	0	19
		B		14.87Y	123.9	0.01	2.06	3.37	1	50	5	100					0	0	0	14
		C		14.96Y	124.6	0.02	1.35	23.49	7	349	39	99					0	0	0	74
PL.14587	PL.14586	B	4ACSR	14.87Y	123.9	0.00	2.06	0.73	0	11	1	100	0.00	0.0	5.632	0.016	0	0	0	2
PD.1002	PL.14587	B	fuse6AMP	14.87Y	123.9	0.00	2.06	0.73	13	11	1	100	0.00	0.0	5.632	0.000	0	0	0	2
PL.14588	PD.1002	B	4ACSR	14.87Y	123.9	0.00	2.07	0.73	0	11	1	100	0.00	0.0	5.691	0.059	0	0	0	2
438821	PL.14588	B	Consumer	14.87Y	123.9	0.00	2.07	0.36	0	5	1	98	0.00	0.0	5.691	0.000	5	1	1	1
438823	PL.14588	B	Consumer	14.87Y	123.9	0.00	2.07	0.37	0	5	1	98	0.00	0.0	5.691	0.000	5	1	1	1
438825	PL.14586	B	Consumer	14.87Y	123.9	0.00	2.06	0.17	0	3	0	100	0.00	0.0	5.616	0.000	3	0	1	1
438859	PL.14586	B	Consumer	14.87Y	123.9	0.00	2.06	0.00	0	0	0	100	0.00	0.0	5.616	0.000	0	0	0	0
438860	438859	B	Consumer	14.87Y	123.9	0.00	2.06	0.00	0	0	0	100	0.00	0.0	5.616	0.000	0	0	0	0

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

Unbalanced Voltage Drop Report
Source: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
438858	PL.14586	B	Consumer	14.87Y	123.9	0.00	2.06	0.00	0	0	0	100	0.00	0.0	5.616	0.000	0	0	1	1
PL.14590	PL.14586	A	1/0ACSR	15.08Y	125.6	-0.00	0.37	6.69	2	100	12	99	0.02	0.0	5.651	0.035	0	0	0	19
		B		14.87Y	123.9	0.00	2.07	2.47	1	37	3	100					0	0	0	10
		C		14.96Y	124.6	0.01	1.36	23.49	7	349	39	99					0	0	0	74
PD.2651	PL.14590	A	25V4E	15.08Y	125.6	0.00	0.37	6.69	27	100	12	99	0.00	0.0	5.651	0.000	0	0	0	19
		B		14.87Y	123.9	0.00	2.07	2.47	10	37	3	100					0	0	0	10
C		C		14.96Y	124.6	0.00	1.36	23.49	94	349	39	99					0	0	0	74 C
PL.14591	PD.2651	A	1/0ACSR	15.08Y	125.6	-0.00	0.37	6.69	2	100	12	99	0.00	0.0	5.656	0.005	0	0	0	19
		B		14.87Y	123.9	0.00	2.07	2.47	1	37	3	100					0	0	0	10
		C		14.96Y	124.6	0.00	1.36	23.49	7	349	39	99					0	0	0	74
438850	PL.14591	B	Consumer	14.87Y	123.9	0.00	2.07	0.00	0	0	0	100	0.00	0.0	5.656	0.000	0	0	1	1
PL.14589	PL.14591	A	1/0ACSR	15.08Y	125.6	-0.00	0.36	6.69	2	100	12	99	0.04	0.0	5.729	0.073	0	0	0	19
		B		14.87Y	123.9	0.00	2.07	1.90	1	28	3	99					0	0	0	6
		C		14.95Y	124.6	0.02	1.38	23.49	7	349	39	99					0	0	0	74
PL.6714	PL.14589	A	1/0ACSR	15.08Y	125.6	-0.00	0.36	6.69	2	100	11	99	0.05	0.0	5.812	0.084	0	0	0	19
		B		14.87Y	123.9	0.00	2.07	0.80	0	12	1	99					0	0	0	4
		C		14.95Y	124.6	0.02	1.40	23.49	7	349	39	99					0	0	0	74
PL.98	PL.6714	A	1/0ACSR	15.08Y	125.6	-0.01	0.35	6.69	2	100	11	99	0.07	0.0	5.920	0.108	0	0	0	19
		B		14.87Y	123.9	0.00	2.08	0.00	0	0	0	100					0	0	0	0
		C		14.95Y	124.6	0.03	1.43	23.49	7	349	39	99					0	0	0	74
PL.99	PL.98	A	4ACSR	15.08Y	125.6	0.01	0.37	6.69	3	100	11	99	0.01	0.0	6.016	0.096	0	0	0	19
PL.18495	PL.99	A	4ACSR	15.08Y	125.6	0.00	0.37	6.69	3	100	11	99	0.00	0.0	6.021	0.005	0	0	0	19
C PD.1005	PL.18495	A	fuse8AMP	15.08Y	125.6	0.00	0.37	6.69	92	100	11	99	0.00	0.0	6.021	0.000	0	0	0	19 C
PL.18494	PD.1005	A	4ACSR	15.07Y	125.6	0.01	0.38	6.69	3	100	11	99	0.01	0.0	6.083	0.062	0	0	0	19
PL.6707	PL.18494	A	4ACSR	15.07Y	125.6	0.01	0.39	6.69	3	100	11	99	0.01	0.0	6.155	0.073	0	0	0	19
PL.2512	PL.6707	A	4ACSR	15.07Y	125.6	0.00	0.39	0.39	0	6	1	99	0.00	0.0	6.231	0.076	0	0	0	1
438822	PL.2512	A	Consumer	15.07Y	125.6	0.00	0.39	0.39	0	6	1	99	0.00	0.0	6.231	0.000	6	1	1	1
PL.14412	PL.6707	A	4ACSR	15.07Y	125.6	0.02	0.41	6.08	3	91	10	99	0.01	0.0	6.316	0.161	0	0	0	17
PL.2686	PL.14412	A	4ACSR	15.07Y	125.6	0.00	0.41	0.55	0	8	1	99	0.00	0.0	6.455	0.139	0	0	0	1
439807	PL.2686	A	Consumer	15.07Y	125.6	0.00	0.41	0.55	0	8	1	99	0.00	0.0	6.455	0.000	8	1	1	1
PL.14413	PL.14412	A	4ACSR	15.07Y	125.6	0.00	0.41	5.53	3	83	10	99	0.00	0.0	6.358	0.041	0	0	0	16
PL.13079	PL.14413	A	4ACSR	15.07Y	125.6	0.01	0.42	4.85	3	73	8	99	0.00	0.0	6.409	0.051	0	0	0	13
C PD.1411	PL.13079	A	fuse6AMP	15.07Y	125.6	0.00	0.42	4.85	83	73	8	99	0.00	0.0	6.409	0.000	0	0	0	13 C
PL.14414	PD.1411	A	4ACSR	15.07Y	125.6	0.00	0.42	4.85	3	73	8	99	0.00	0.0	6.415	0.006	0	0	0	13
439805	PL.14414	A	Consumer	15.07Y	125.6	0.00	0.42	0.58	0	9	1	99	0.00	0.0	6.415	0.000	9	1	1	1
PL.24284	PL.14414	A	4ACSR	15.07Y	125.5	0.04	0.46	4.27	2	64	7	99	0.02	0.0	6.858	0.443	0	0	0	12
PL.591	PL.24284	A	4ACSR	15.07Y	125.5	0.00	0.46	0.00	0	0	0	100	0.00	0.0	6.858	0.000	0	0	0	0
PL.13080	PL.24284	A	4ACSR	15.06Y	125.5	0.00	0.46	4.27	2	64	7	99	0.00	0.0	6.874	0.016	0	0	0	12
PL.13081	PL.13080	A	4ACSR	15.06Y	125.5	0.00	0.46	3.88	2	58	7	99	0.00	0.0	6.931	0.057	0	0	0	11
PL.589	PL.13081	A	4ACSR	15.06Y	125.5	0.00	0.46	0.84	0	13	1	100	0.00	0.0	6.975	0.044	0	0	0	1
PL.1112	PL.589	A	4ACSR	15.06Y	125.5	0.00	0.47	0.84	0	13	1	100	0.00	0.0	7.040	0.065	0	0	0	1
010814	PL.1112	A	Consumer	15.06Y	125.5	0.00	0.47	0.84	0	13	1	100	0.00	0.0	7.040	0.000	13	1	1	1
010810	PL.13081	A	Consumer	15.06Y	125.5	0.00	0.46	0.00	0	0	0	100	0.00	0.0	6.931	0.000	0	0	0	0
010805	PL.13081	A	Consumer	15.06Y	125.5	0.00	0.46	0.24	0	4	0	100	0.00	0.0	6.931	0.000	4	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: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.13082	PL.13081	A	4ACSR	15.06Y	125.5	0.01	0.47	2.80	1	42	5	99	0.00	0.0	7.027	0.096	0	0	0	9
PL.13083	PL.13082	A	4ACSR	15.06Y	125.5	0.01	0.47	2.15	1	32	4	99	0.00	0.0	7.151	0.124	0	0	0	6
PL.1113	PL.13083	A	4ACSR	15.06Y	125.5	0.00	0.48	0.08	0	1	1	71	0.00	0.0	7.240	0.089	0	0	0	1
010806	PL.1113	A	Consumer	15.06Y	125.5	0.00	0.48	0.08	0	1	1	71	0.00	0.0	7.240	0.000	1	1	1	1
PL.13084	PL.13083	A	4ACSR	15.06Y	125.5	0.00	0.48	2.08	1	31	3	100	0.00	0.0	7.199	0.049	0	0	0	5
PL.19322	PL.13084	A	4ACSR	15.06Y	125.5	0.00	0.48	1.51	1	23	2	100	0.00	0.0	7.266	0.066	0	0	0	4
PL.19323	PL.19322	A	4ACSR	15.06Y	125.5	0.00	0.48	0.84	0	13	1	100	0.00	0.0	7.324	0.059	0	0	0	3
010807	PL.19323	A	Consumer	15.06Y	125.5	0.00	0.48	0.62	0	9	1	99	0.00	0.0	7.324	0.000	9	1	1	1
PL.13085	PL.19323	A	4ACSR	15.06Y	125.5	0.00	0.48	0.22	0	3	0	100	0.00	0.0	7.366	0.041	0	0	0	2
0108018	PL.13085	A	Consumer	15.06Y	125.5	0.00	0.48	0.05	0	1	0	100	0.00	0.0	7.366	0.000	1	0	1	1
010808	PL.13085	A	Consumer	15.06Y	125.5	0.00	0.48	0.17	0	3	0	100	0.00	0.0	7.366	0.000	3	0	1	1
010811	PL.19322	A	Consumer	15.06Y	125.5	0.00	0.48	0.66	0	10	1	100	0.00	0.0	7.266	0.000	10	1	1	1
010803	PL.13084	A	Consumer	15.06Y	125.5	0.00	0.48	0.57	0	9	1	99	0.00	0.0	7.199	0.000	9	1	1	1
PL.590	PL.13082	A	4ACSR	15.06Y	125.5	0.00	0.47	0.65	0	10	1	100	0.00	0.0	7.204	0.177	0	0	0	3
010802	PL.590	A	Consumer	15.06Y	125.5	0.00	0.47	0.33	0	5	1	98	0.00	0.0	7.204	0.000	5	1	1	1
PL.1115	PL.590	A	4ACSR	15.06Y	125.5	0.00	0.47	0.16	0	2	0	100	0.00	0.0	7.249	0.045	0	0	0	1
010815	PL.1115	A	Consumer	15.06Y	125.5	0.00	0.47	0.16	0	2	0	100	0.00	0.0	7.249	0.000	2	0	1	1
PL.1117	PL.590	A	4ACSR	15.06Y	125.5	0.00	0.47	0.16	0	2	0	100	0.00	0.0	7.384	0.180	0	0	0	1
010816	PL.1117	A	Consumer	15.06Y	125.5	0.00	0.47	0.16	0	2	0	100	0.00	0.0	7.384	0.000	2	0	1	1
010817	PL.13080	A	Consumer	15.06Y	125.5	0.00	0.46	0.40	0	6	1	99	0.00	0.0	6.874	0.000	6	1	1	1
PL.27796	PL.14413	A	4ACSR	15.07Y	125.6	0.00	0.41	0.68	0	10	1	100	0.00	0.0	6.403	0.046	0	0	0	3
PL.27797	PL.27796	A	4ACSR	15.07Y	125.6	0.00	0.41	0.57	0	9	1	99	0.00	0.0	6.456	0.053	0	0	0	2
PL.24283	PL.27797	A	4ACSR	15.07Y	125.6	0.00	0.41	0.26	0	4	0	100	0.00	0.0	6.538	0.082	0	0	0	1
439801	PL.24283	A	Consumer	15.07Y	125.6	0.00	0.41	0.26	0	4	0	100	0.00	0.0	6.538	0.000	4	0	1	1
439804	PL.27797	A	Consumer	15.07Y	125.6	0.00	0.41	0.31	0	5	1	98	0.00	0.0	6.456	0.000	5	1	1	1
439806	PL.27796	A	Consumer	15.07Y	125.6	0.00	0.41	0.11	0	2	0	100	0.00	0.0	6.403	0.000	2	0	1	1
PL.2675	PL.14413	A	4ACSR	15.07Y	125.6	0.00	0.41	0.00	0	0	0	100	0.00	0.0	6.580	0.223	0	0	0	0
438803	PL.6707	A	Consumer	15.07Y	125.6	0.00	0.39	0.22	0	3	0	100	0.00	0.0	6.155	0.000	3	0	1	1
PL.14594	PL.98	C	4ACSR	14.95Y	124.6	0.01	1.44	23.49	12	349	39	99	0.02	0.0	5.934	0.014	0	0	0	74
C PD.1004	PL.14594	C	fuse8AMP	14.95Y	124.6	0.00	1.44	23.49	321	349	39	99	0.00	0.0	5.934	0.000	0	0	0	74 C
PL.14596	PD.1004	C	4ACSR	14.94Y	124.5	0.08	1.52	23.49	12	349	39	99	0.21	0.1	6.090	0.156	0	0	0	74
PL.6724	PL.14596	C	4ACSR	14.94Y	124.5	0.00	1.52	1.80	1	27	3	99	0.00	0.0	6.129	0.039	0	0	0	4
438853	PL.6724	C	Consumer	14.94Y	124.5	0.00	1.52	0.50	0	7	1	99	0.00	0.0	6.129	0.000	7	1	1	1
438848	PL.6724	C	Consumer	14.94Y	124.5	0.00	1.52	0.46	0	7	1	99	0.00	0.0	6.129	0.000	7	1	1	1
PL.6725	PL.6724	C	4ACSR	14.94Y	124.5	0.00	1.52	0.85	0	13	1	100	0.00	0.0	6.178	0.049	0	0	0	2
438835	PL.6725	C	Consumer	14.94Y	124.5	0.00	1.52	0.33	0	5	1	98	0.00	0.0	6.178	0.000	5	1	1	1
438849	PL.6725	C	Consumer	14.94Y	124.5	0.00	1.52	0.51	0	8	1	99	0.00	0.0	6.178	0.000	8	1	1	1
PL.14595	PL.14596	C	4ACSR	14.94Y	124.5	0.02	1.54	21.47	11	319	36	99	0.06	0.0	6.144	0.054	0	0	0	69

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: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
438807	PL.14595	C	Consumer	14.94Y	124.5	0.00	1.54	0.03	0	0	0	100	0.00	0.0	6.144	0.000	0	0	1	1
PL.6717	PL.14595	C	4ACSR	14.93Y	124.4	0.04	1.58	21.44	11	318	35	99	0.10	0.0	6.235	0.091	0	0	0	68
438845	PL.6717	C	Consumer	14.93Y	124.4	0.00	1.58	0.88	0	13	1	100	0.00	0.0	6.235	0.000	13	1	1	1
PL.6726	PL.6717	C	4ACSR	14.93Y	124.4	0.02	1.60	20.57	11	305	34	99	0.05	0.0	6.286	0.051	0	0	0	67
PL.14597	PL.6726	C	4ACSR	14.92Y	124.4	0.02	1.63	19.83	10	294	33	99	0.05	0.0	6.335	0.049	0	0	0	66
438833	PL.14597	C	Consumer	14.92Y	124.4	0.00	1.63	0.21	0	3	0	100	0.00	0.0	6.335	0.000	3	0	1	1
4388075	PL.14597	C	Consumer	14.92Y	124.4	0.00	1.63	1.80	0	27	3	99	0.00	0.0	6.335	0.000	27	3	1	1
438851	PL.14597	C	Consumer	14.92Y	124.4	0.00	1.63	0.80	0	12	1	100	0.00	0.0	6.335	0.000	12	1	1	1
PL.14598	PL.14597	C	4ACSR	14.92Y	124.3	0.04	1.67	15.69	8	233	26	99	0.07	0.0	6.460	0.125	0	0	0	60
PL.14599	PL.14598	C	4ACSR	14.92Y	124.3	0.00	1.67	2.18	1	32	4	99	0.00	0.0	6.461	0.002	0	0	0	4
PL.6712	PL.14599	C	4ACSR	14.92Y	124.3	0.00	1.67	2.18	1	32	4	99	0.00	0.0	6.493	0.032	0	0	0	4
PL.6713	PL.6712	C	4ACSR	14.92Y	124.3	0.00	1.67	1.38	1	20	2	100	0.00	0.0	6.528	0.034	0	0	0	2
438841	PL.6713	C	Consumer	14.92Y	124.3	0.00	1.67	0.67	0	10	1	100	0.00	0.0	6.528	0.000	10	1	1	1
438842	PL.6713	C	Consumer	14.92Y	124.3	0.00	1.67	0.71	0	11	1	100	0.00	0.0	6.528	0.000	11	1	1	1
438852	PL.6712	C	Consumer	14.92Y	124.3	0.00	1.67	0.59	0	9	1	99	0.00	0.0	6.493	0.000	9	1	1	1
438832	PL.6712	C	Consumer	14.92Y	124.3	0.00	1.67	0.21	0	3	0	100	0.00	0.0	6.493	0.000	3	0	1	1
PL.14600	PL.14598	C	4ACSR	14.92Y	124.3	0.01	1.68	12.68	7	188	21	99	0.01	0.0	6.494	0.034	0	0	0	55
PL.41498	PL.14600	C	4ACSR	14.92Y	124.3	0.01	1.69	12.67	7	188	21	99	0.02	0.0	6.537	0.043	0	0	0	53
PL.44220	PL.41498	C	2ACSR	14.92Y	124.3	0.00	1.69	12.21	5	181	20	99	0.01	0.0	6.559	0.022	0	0	0	51
PL.41500	PL.44220	C	4ACSR	14.92Y	124.3	0.00	1.69	12.21	6	181	20	99	0.00	0.0	6.568	0.009	0	0	0	51
PL.41501	PL.41500	C	4ACSR	14.92Y	124.3	0.00	1.70	12.21	6	181	20	99	0.00	0.0	6.580	0.012	0	0	0	51
PL.41497	PL.41501	C	4ACSR	14.92Y	124.3	0.01	1.70	12.21	6	181	20	99	0.01	0.0	6.606	0.026	0	0	0	51
438866	PL.41497	C	Consumer	14.92Y	124.3	0.00	1.70	0.43	0	6	1	99	0.00	0.0	6.606	0.000	6	1	1	1
4388073	PL.41497	C	Consumer	14.92Y	124.3	0.00	1.70	0.00	0	0	0	100	0.00	0.0	6.606	0.000	0	0	0	0
438867	PL.41497	C	Consumer	14.92Y	124.3	0.00	1.70	0.51	0	8	1	99	0.00	0.0	6.606	0.000	8	1	1	1
PL.14102	PL.41497	C	4ACSR	14.91Y	124.3	0.01	1.71	11.27	6	167	19	99	0.01	0.0	6.654	0.048	0	0	0	49
4388080	PL.14102	C	Consumer	14.91Y	124.3	0.00	1.71	0.00	0	0	0	100	0.00	0.0	6.654	0.000	0	0	0	0
438869	PL.14102	C	Consumer	14.91Y	124.3	0.00	1.71	0.45	0	7	1	99	0.00	0.0	6.654	0.000	7	1	1	1
PL.14103	PL.14102	C	4ACSR	14.91Y	124.3	0.01	1.72	10.82	6	160	18	99	0.01	0.0	6.693	0.039	0	0	0	48
PL.14104	PL.14103	C	4ACSR	14.91Y	124.3	0.00	1.73	10.82	6	160	18	99	0.00	0.0	6.701	0.008	0	0	0	48
PD.339-A	PL.14104	C	Closed	14.91Y	124.3	0.00	1.73	10.82	0	160	18	99	0.00	0.0	6.701	0.000	0	0	0	48
PD.339-B	PD.339-A	C	Closed	14.91Y	124.3	0.00	1.73	10.82	0	160	18	99	0.00	0.0	6.701	0.000	0	0	0	48
PL.14105	PD.339-B	C	4ACSR	14.91Y	124.3	0.02	1.75	10.82	6	160	18	99	0.03	0.0	6.802	0.101	0	0	0	48
PL.14106	PL.14105	C	4ACSR	14.91Y	124.2	0.02	1.77	10.51	5	156	17	99	0.02	0.0	6.885	0.083	0	0	0	47
PL.14107	PL.14106	C	4ACSR	14.91Y	124.2	0.01	1.78	9.09	5	135	15	99	0.01	0.0	6.945	0.060	0	0	0	43
PL.14108	PL.14107	C	4ACSR	14.91Y	124.2	0.01	1.79	9.01	5	133	15	99	0.01	0.0	6.980	0.035	0	0	0	42
PL.23536	PL.14108	C	4ACSR	14.91Y	124.2	0.00	1.79	1.02	1	15	2	99	0.00	0.0	6.998	0.018	0	0	0	2
438830	PL.23536	C	Consumer	14.91Y	124.2	0.00	1.79	0.62	0	9	1	99	0.00	0.0	6.998	0.000	9	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: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
438811	PL.23536	C	Consumer	14.91Y	124.2	0.00	1.79	0.40	0	6	1	99	0.00	0.0	6.998	0.000	6	1	1	1
PL.14109	PL.14108	C	4ACSR	14.90Y	124.2	0.01	1.79	3.98	2	59	7	99	0.00	0.0	7.059	0.079	0	0	0	26
PL.24725	PL.14109	C	4ACSR	14.90Y	124.2	0.01	1.80	3.98	2	59	7	99	0.00	0.0	7.132	0.073	0	0	0	26
PL.14408	PL.24725	C	4ACSR	14.90Y	124.2	0.00	1.80	3.96	2	59	7	99	0.00	0.0	7.189	0.057	0	0	0	24
PL.2469	PL.14408	C	4ACSR	14.90Y	124.2	0.00	1.81	1.95	1	29	3	99	0.00	0.0	7.267	0.077	0	0	0	12
439705	PL.2469	C	Consumer	14.90Y	124.2	0.00	1.81	0.40	0	6	1	99	0.00	0.0	7.267	0.000	6	1	1	1
PL.2470	PL.2469	C	4ACSR	14.90Y	124.2	0.00	1.81	1.55	1	23	3	99	0.00	0.0	7.313	0.046	0	0	0	11
PL.2471	PL.2470	C	4ACSR	14.90Y	124.2	0.00	1.81	0.95	0	14	2	99	0.00	0.0	7.335	0.022	0	0	0	6
PL.2472	PL.2471	C	4ACSR	14.90Y	124.2	0.00	1.81	0.95	0	14	2	99	0.00	0.0	7.381	0.047	0	0	0	6
PL.42560	PL.2472	C	4ACSR	14.90Y	124.2	0.00	1.81	0.90	0	13	1	100	0.00	0.0	7.405	0.023	0	0	0	5
PL.42561	PL.42560	C	4ACSR	14.90Y	124.2	0.00	1.81	0.90	0	13	1	100	0.00	0.0	7.437	0.032	0	0	0	4
439711	PL.42561	C	Consumer	14.90Y	124.2	0.00	1.81	0.26	0	4	0	100	0.00	0.0	7.437	0.000	4	0	1	1
PL.24727	PL.42561	C	4ACSR	14.90Y	124.2	0.00	1.81	0.65	0	10	1	100	0.00	0.0	7.466	0.030	0	0	0	3
439717	PL.24727	C	Consumer	14.90Y	124.2	0.00	1.81	0.11	0	2	0	100	0.00	0.0	7.466	0.000	2	0	1	1
439708	PL.24727	C	Consumer	14.90Y	124.2	0.00	1.81	0.33	0	5	1	98	0.00	0.0	7.466	0.000	5	1	1	1
439716	PL.24727	C	Consumer	14.90Y	124.2	0.00	1.81	0.22	0	3	0	100	0.00	0.0	7.466	0.000	3	0	1	1
4397035	PL.42560	C	Consumer	14.90Y	124.2	0.00	1.81	0.00	0	0	0	100	0.00	0.0	7.405	0.000	0	0	1	1
439730	PL.2472	C	Consumer	14.90Y	124.2	0.00	1.81	0.05	0	1	0	100	0.00	0.0	7.381	0.000	1	0	1	1
439710	PL.2472	C	Consumer	14.90Y	124.2	0.00	1.81	0.00	0	0	0	100	0.00	0.0	7.381	0.000	0	0	0	0
PL.2467	PL.2472	C	4ACSR	14.90Y	124.2	0.00	1.81	0.00	0	0	0	100	0.00	0.0	7.572	0.190	0	0	0	0
PL.2468	PL.2467	C	4ACSR	14.90Y	124.2	0.00	1.81	0.00	0	0	0	100	0.00	0.0	7.642	0.070	0	0	0	0
PL.24728	PL.2470	C	4ACSR	14.90Y	124.2	0.00	1.81	0.60	0	9	1	99	0.00	0.0	7.386	0.073	0	0	0	5
PL.24729	PL.24728	C	4ACSR	14.90Y	124.2	0.00	1.81	0.43	0	6	1	99	0.00	0.0	7.425	0.039	0	0	0	2
PL.2075	PL.24729	C	4ACSR	14.90Y	124.2	0.00	1.81	0.43	0	6	1	99	0.00	0.0	7.476	0.051	0	0	0	2
439714	PL.2075	C	Consumer	14.90Y	124.2	0.00	1.81	0.31	0	5	1	98	0.00	0.0	7.476	0.000	5	1	1	1
PL.2076	PL.2075	C	4ACSR	14.90Y	124.2	0.00	1.81	0.12	0	2	0	100	0.00	0.0	7.557	0.081	0	0	0	1
439724	PL.2076	C	Consumer	14.90Y	124.2	0.00	1.81	0.12	0	2	0	100	0.00	0.0	7.557	0.000	2	0	1	1
439731	PL.24728	C	Consumer	14.90Y	124.2	0.00	1.81	0.04	0	0	0	100	0.00	0.0	7.386	0.000	0	0	1	1
439703	PL.24728	C	Consumer	14.90Y	124.2	0.00	1.81	0.13	0	2	0	100	0.00	0.0	7.386	0.000	2	0	1	1
439726	PL.24728	C	Consumer	14.90Y	124.2	0.00	1.81	0.00	0	0	0	100	0.00	0.0	7.386	0.000	0	0	1	1
PL.14409	PL.14408	C	4ACSR	14.90Y	124.2	0.01	1.81	1.99	1	29	3	99	0.00	0.0	7.431	0.241	0	0	0	11
PL.14410	PL.14409	C	4ACSR	14.90Y	124.2	0.00	1.82	1.71	1	25	3	99	0.00	0.0	7.522	0.091	0	0	0	8
PL.14411	PL.14410	C	4ACSR	14.90Y	124.2	0.00	1.82	1.08	1	16	2	99	0.00	0.0	7.585	0.063	0	0	0	3
PL.5728	PL.14411	C	4ACSR	14.90Y	124.2	0.00	1.82	1.08	1	16	2	99	0.00	0.0	7.739	0.154	0	0	0	3
PL.5729	PL.5728	C	4ACSR	14.90Y	124.2	0.00	1.82	1.03	1	15	2	99	0.00	0.0	7.855	0.116	0	0	0	2
0107007	PL.5729	C	Consumer	14.90Y	124.2	0.00	1.82	0.78	0	12	1	100	0.00	0.0	7.855	0.000	12	1	1	1
0107008	PL.5729	C	Consumer	14.90Y	124.2	0.00	1.82	0.25	0	4	0	100	0.00	0.0	7.855	0.000	4	0	1	1
PL.5727	PL.5729	C	4ACSR	14.90Y	124.2	0.00	1.82	0.00	0	0	0	100	0.00	0.0	7.932	0.077	0	0	0	0

Unbalanced Voltage Drop Report
Source: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
010703	PL.5728	C	Consumer	14.90Y	124.2	0.00	1.82	0.05	0	1	0	100	0.00	0.0	7.739	0.000	1	0	1	1
PL.24809	PL.14410	C	4ACSR	14.90Y	124.2	0.00	1.82	0.62	0	9	1	99	0.00	0.0	7.671	0.150	0	0	0	3
PL.24808	PL.24809	C	4ACSR	14.90Y	124.2	0.00	1.82	0.32	0	5	1	98	0.00	0.0	7.763	0.091	0	0	0	1
PL.510	PL.24808	C	4ACSR	14.90Y	124.2	0.00	1.82	0.32	0	5	1	98	0.00	0.0	7.847	0.085	0	0	0	1
010706	PL.510	C	Consumer	14.90Y	124.2	0.00	1.82	0.32	0	5	1	98	0.00	0.0	7.847	0.000	5	1	1	1
439702	PL.24809	C	Consumer	14.90Y	124.2	0.00	1.82	0.02	0	0	0	100	0.00	0.0	7.671	0.000	0	0	1	1
PL.2074	PL.24809	C	4ACSR	14.90Y	124.2	0.00	1.82	0.29	0	4	0	100	0.00	0.0	7.764	0.093	0	0	0	1
439701	PL.2074	C	Consumer	14.90Y	124.2	0.00	1.82	0.29	0	4	0	100	0.00	0.0	7.764	0.000	4	0	1	1
PL.33964	PL.2074	C	2ACSR	14.90Y	124.2	0.00	1.82	0.00	0	0	0	100	0.00	0.0	7.809	0.044	0	0	0	0
439723	PL.33964	C	Consumer	14.90Y	124.2	0.00	1.82	0.00	0	0	0	100	0.00	0.0	7.809	0.000	0	0	0	0
PL.24881	PL.14410	C	4ACSR	14.90Y	124.2	0.00	1.82	0.01	0	0	0	100	0.00	0.0	7.641	0.120	0	0	0	2
439715	PL.24881	C	Consumer	14.90Y	124.2	0.00	1.82	0.00	0	0	0	100	0.00	0.0	7.641	0.000	0	0	1	1
439712	PL.24881	C	Consumer	14.90Y	124.2	0.00	1.82	0.01	0	0	0	100	0.00	0.0	7.641	0.000	0	0	1	1
PL.24810	PL.24881	C	4ACSR	14.90Y	124.2	0.00	1.82	0.00	0	0	0	100	0.00	0.0	7.668	0.027	0	0	0	0
PL.2476	PL.14409	C	4ACSR	14.90Y	124.2	0.00	1.81	0.28	0	4	0	100	0.00	0.0	7.484	0.053	0	0	0	3
439727	PL.2476	C	Consumer	14.90Y	124.2	0.00	1.81	0.00	0	0	0	100	0.00	0.0	7.484	0.000	0	0	1	1
PL.33963	PL.2476	C	2ACSR	14.90Y	124.2	0.00	1.81	0.00	0	0	0	100	0.00	0.0	7.586	0.102	0	0	0	1
4397033	PL.33963	C	Consumer	14.90Y	124.2	0.00	1.81	0.00	0	0	0	100	0.00	0.0	7.586	0.000	0	0	1	1
PL.39681	PL.2476	C	2ACSR	14.90Y	124.2	0.00	1.81	0.28	0	4	0	100	0.00	0.0	7.532	0.048	0	0	0	1
4397034	PL.39681	C	Consumer	14.90Y	124.2	0.00	1.81	0.28	0	4	0	100	0.00	0.0	7.532	0.000	4	0	1	1
439725	PL.14408	C	Consumer	14.90Y	124.2	0.00	1.80	0.02	0	0	0	100	0.00	0.0	7.189	0.000	0	0	1	1
439721	PL.24725	C	Consumer	14.90Y	124.2	0.00	1.80	0.00	0	0	0	100	0.00	0.0	7.132	0.000	0	0	1	1
439722	PL.24725	C	Consumer	14.90Y	124.2	0.00	1.80	0.02	0	0	0	100	0.00	0.0	7.132	0.000	0	0	1	1
PL.23943	PL.14108	C	4ACSR	14.91Y	124.2	0.01	1.79	4.00	2	59	7	99	0.00	0.0	7.045	0.065	0	0	0	14
PL.2473	PL.23943	C	4ACSR	14.91Y	124.2	0.00	1.79	0.00	0	0	0	100	0.00	0.0	7.051	0.007	0	0	0	0
438814	PL.23943	C	Consumer	14.91Y	124.2	0.00	1.79	0.18	0	3	0	100	0.00	0.0	7.045	0.000	3	0	1	1
PL.14110	PL.23943	C	4ACSR	14.90Y	124.2	0.00	1.79	2.49	1	37	4	99	0.00	0.0	7.111	0.066	0	0	0	8
PL.2477	PL.14110	C	4ACSR	14.90Y	124.2	0.00	1.79	0.00	0	0	0	100	0.00	0.0	7.130	0.019	0	0	0	0
PL.14407	PL.14110	C	4ACSR	14.90Y	124.2	0.00	1.80	2.16	1	32	4	99	0.00	0.0	7.130	0.020	0	0	0	7
438706	PL.14407	C	Consumer	14.90Y	124.2	0.00	1.80	0.26	0	4	0	100	0.00	0.0	7.130	0.000	4	0	1	1
438704	PL.14407	C	Consumer	14.90Y	124.2	0.00	1.80	0.15	0	2	0	100	0.00	0.0	7.130	0.000	2	0	1	1
PL.24744	PL.14407	C	4ACSR	14.90Y	124.2	0.00	1.80	1.75	1	26	3	99	0.00	0.0	7.152	0.022	0	0	0	5
PL.24745	PL.24744	C	4ACSR	14.90Y	124.2	0.00	1.80	1.52	1	23	2	100	0.00	0.0	7.161	0.009	0	0	0	4
PL.24730	PL.24745	C	4ACSR	14.90Y	124.2	0.00	1.80	1.52	1	23	2	100	0.00	0.0	7.193	0.032	0	0	0	4
PL.24731	PL.24730	C	4ACSR	14.90Y	124.2	0.00	1.80	1.52	1	23	2	100	0.00	0.0	7.225	0.032	0	0	0	4
PL.2478	PL.24731	C	4ACSR	14.90Y	124.2	0.00	1.80	1.24	1	18	2	99	0.00	0.0	7.284	0.059	0	0	0	2
439729	PL.2478	C	Consumer	14.90Y	124.2	0.00	1.80	0.76	0	11	1	100	0.00	0.0	7.284	0.000	11	1	1	1
PL.23938	PL.2478	C	4ACSR	14.90Y	124.2	0.00	1.80	0.48	0	7	1	99	0.00	0.0	7.348	0.064	0	0	0	1

Unbalanced Voltage Drop Report
Source: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
439732	PL.23938	C	Consumer	14.90Y	124.2	0.00	1.80	0.48	0	7	1	99	0.00	0.0	7.348	0.000	7	1	1	1
439719	PL.24731	C	Consumer	14.90Y	124.2	0.00	1.80	0.18	0	3	0	100	0.00	0.0	7.225	0.000	3	0	1	1
PL.2475	PL.24731	C	4ACSR	14.90Y	124.2	0.00	1.80	0.10	0	1	0	100	0.00	0.0	7.258	0.033	0	0	0	1
439720	PL.2475	C	Consumer	14.90Y	124.2	0.00	1.80	0.10	0	1	0	100	0.00	0.0	7.258	0.000	1	0	1	1
439728	PL.24744	C	Consumer	14.90Y	124.2	0.00	1.80	0.23	0	3	0	100	0.00	0.0	7.152	0.000	3	0	1	1
438705	PL.14110	C	Consumer	14.90Y	124.2	0.00	1.79	0.34	0	5	1	98	0.00	0.0	7.111	0.000	5	1	1	1
PL.35057	PL.23943	C	4ACSR	14.90Y	124.2	0.00	1.79	1.33	1	20	2	100	0.00	0.0	7.091	0.047	0	0	0	5
438813	PL.35057	C	Consumer	14.90Y	124.2	0.00	1.79	0.26	0	4	0	100	0.00	0.0	7.091	0.000	4	0	1	1
438834	PL.35057	C	Consumer	14.90Y	124.2	0.00	1.79	0.53	0	8	1	99	0.00	0.0	7.091	0.000	8	1	1	1
4387007	PL.35057	C	Consumer	14.90Y	124.2	0.00	1.79	0.52	0	8	1	99	0.00	0.0	7.091	0.000	8	1	1	1
4388071	PL.35057	C	Consumer	14.90Y	124.2	0.00	1.79	0.02	0	0	0	100	0.00	0.0	7.091	0.000	0	0	1	1
438817	PL.35057	C	Consumer	14.90Y	124.2	0.00	1.79	0.00	0	0	0	100	0.00	0.0	7.091	0.000	0	0	1	1
438819	PL.14107	C	Consumer	14.91Y	124.2	0.00	1.78	0.08	0	1	0	100	0.00	0.0	6.945	0.000	1	0	1	1
438856	PL.14106	C	Consumer	14.91Y	124.2	0.00	1.77	0.85	0	13	1	100	0.00	0.0	6.885	0.000	13	1	1	1
438828	PL.14106	C	Consumer	14.91Y	124.2	0.00	1.77	0.02	0	0	0	100	0.00	0.0	6.885	0.000	0	0	1	1
438818	PL.14106	C	Consumer	14.91Y	124.2	0.00	1.77	0.38	0	6	1	99	0.00	0.0	6.885	0.000	6	1	1	1
438809	PL.14106	C	Consumer	14.91Y	124.2	0.00	1.77	0.17	0	2	0	100	0.00	0.0	6.885	0.000	2	0	1	1
PL.23537	PL.14105	C	4ACSR	14.91Y	124.3	0.00	1.75	0.32	0	5	1	98	0.00	0.0	6.868	0.066	0	0	0	1
438801	PL.23537	C	Consumer	14.91Y	124.3	0.00	1.75	0.32	0	5	1	98	0.00	0.0	6.868	0.000	5	1	1	1
4388078	PL.41498	C	Consumer	14.92Y	124.3	0.00	1.69	0.00	0	0	0	100	0.00	0.0	6.537	0.000	0	0	1	1
4388072	PL.41498	C	Consumer	14.92Y	124.3	0.00	1.69	0.46	0	7	1	99	0.00	0.0	6.537	0.000	7	1	1	1
PL.6710	PL.14600	C	4ACSR	14.92Y	124.3	0.00	1.68	0.01	0	0	0	100	0.00	0.0	6.618	0.124	0	0	0	2
438854	PL.6710	C	Consumer	14.92Y	124.3	0.00	1.68	0.01	0	0	0	100	0.00	0.0	6.618	0.000	0	0	1	1
438802	PL.6710	C	Consumer	14.92Y	124.3	0.00	1.68	0.00	0	0	0	100	0.00	0.0	6.618	0.000	0	0	1	1
PL.6711	PL.6710	C	4ACSR	14.92Y	124.3	0.00	1.68	0.00	0	0	0	100	0.00	0.0	6.618	0.000	0	0	0	0
438857	PL.14598	C	Consumer	14.92Y	124.3	0.00	1.67	0.82	0	12	1	100	0.00	0.0	6.460	0.000	12	1	1	1
PL.2520	PL.14597	C	4ACSR	14.92Y	124.4	0.00	1.63	1.32	1	20	2	100	0.00	0.0	6.380	0.045	0	0	0	3
438846	PL.2520	C	Consumer	14.92Y	124.4	0.00	1.63	0.25	0	4	0	100	0.00	0.0	6.380	0.000	4	0	1	1
438847	PL.2520	C	Consumer	14.92Y	124.4	0.00	1.63	0.38	0	6	1	99	0.00	0.0	6.380	0.000	6	1	1	1
438829	PL.2520	C	Consumer	14.92Y	124.4	0.00	1.63	0.69	0	10	1	100	0.00	0.0	6.380	0.000	10	1	1	1
438855	PL.6726	C	Consumer	14.93Y	124.4	0.00	1.60	0.74	0	11	1	100	0.00	0.0	6.286	0.000	11	1	1	1
438804	PL.14596	C	Consumer	14.94Y	124.5	0.00	1.52	0.22	0	3	0	100	0.00	0.0	6.090	0.000	3	0	1	1
PL.14592	PL.6714	B	4ACSR	14.87Y	123.9	0.00	2.07	0.80	0	12	1	100	0.00	0.0	5.834	0.021	0	0	0	4
PD.1003	PL.14592	B	fuse6AMP	14.87Y	123.9	0.00	2.07	0.80	14	12	1	100	0.00	0.0	5.834	0.000	0	0	0	4
PL.14593	PD.1003	B	4ACSR	14.87Y	123.9	0.00	2.08	0.80	0	12	1	100	0.00	0.0	5.962	0.129	0	0	0	4
438831	PL.14593	B	Consumer	14.87Y	123.9	0.00	2.08	0.41	0	6	1	99	0.00	0.0	5.962	0.000	6	1	1	1
438824	PL.14593	B	Consumer	14.87Y	123.9	0.00	2.08	0.27	0	4	0	100	0.00	0.0	5.962	0.000	4	0	1	1
438805	PL.14593	B	Consumer	14.87Y	123.9	0.00	2.08	0.12	0	2	0	100	0.00	0.0	5.962	0.000	2	0	1	1

Unbalanced Voltage Drop Report
Source: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
438868	PL.14593	B	Consumer	14.87Y	123.9	0.00	2.08	0.00	0	0	0	100	0.00	0.0	5.962	0.000	0	0	1	1
438862	PL.14589	B	Consumer	14.87Y	123.9	0.00	2.07	0.46	0	7	1	99	0.00	0.0	5.729	0.000	7	1	1	1
438806	PL.14589	B	Consumer	14.87Y	123.9	0.00	2.07	0.64	0	10	1	100	0.00	0.0	5.729	0.000	10	1	1	1
PL.40999	PL.14591	B	1/0EPRJCN	14.87Y	123.9	0.00	2.07	0.57	0	9	0	100	0.00	0.0	5.697	0.041	0	0	0	3
438865	PL.40999	B	Consumer	14.87Y	123.9	0.00	2.07	0.58	0	9	1	99	0.00	0.0	5.697	0.000	2	0	1	3
4388076	438865	B	Consumer	14.87Y	123.9	0.00	2.07	0.44	0	6	1	99	0.00	0.0	5.697	0.000	4	0	1	2
4388077	4388076	B	Consumer	14.87Y	123.9	0.00	2.07	0.19	0	3	0	100	0.00	0.0	5.697	0.000	3	0	1	1
PL.14734	PL.14733	B	4ACSR	14.87Y	123.9	0.00	2.06	0.53	0	8	1	99	0.00	0.0	5.545	0.015	0	0	0	3
PD.1001	PL.14734	B	fuse6AMP	14.87Y	123.9	0.00	2.06	0.53	9	8	1	99	0.00	0.0	5.545	0.000	0	0	0	3
PL.14735	PD.1001	B	4ACSR	14.87Y	123.9	0.00	2.06	0.53	0	8	1	99	0.00	0.0	5.595	0.051	0	0	0	3
PL.2681	PL.14735	B	4ACSR	14.87Y	123.9	0.00	2.06	0.22	0	3	0	100	0.00	0.0	5.652	0.057	0	0	0	1
PL.2517	PL.2681	B	4ACSR	14.87Y	123.9	0.00	2.06	0.22	0	3	0	100	0.00	0.0	5.734	0.081	0	0	0	1
438827	PL.2517	B	Consumer	14.87Y	123.9	0.00	2.06	0.22	0	3	0	100	0.00	0.0	5.734	0.000	3	0	1	1
PL.14736	PL.14735	B	4ACSR	14.87Y	123.9	0.00	2.06	0.31	0	5	1	98	0.00	0.0	5.648	0.053	0	0	0	2
438844	PL.14736	B	Consumer	14.87Y	123.9	0.00	2.06	0.00	0	0	0	100	0.00	0.0	5.648	0.000	0	0	1	1
PL.6715	PL.14736	B	4ACSR	14.87Y	123.9	0.00	2.06	0.31	0	5	1	98	0.00	0.0	5.829	0.180	0	0	0	1
PL.2515	PL.6715	B	4ACSR	14.87Y	123.9	0.00	2.06	0.00	0	0	0	100	0.00	0.0	5.939	0.110	0	0	0	0
PL.2516	PL.2515	B	4ACSR	14.87Y	123.9	0.00	2.06	0.00	0	0	0	100	0.00	0.0	6.027	0.087	0	0	0	0
PL.2514	PL.2516	B	4ACSR	14.87Y	123.9	0.00	2.06	0.00	0	0	0	100	0.00	0.0	6.206	0.180	0	0	0	0
PL.2513	PL.2514	B	4ACSR	14.87Y	123.9	0.00	2.06	0.00	0	0	0	100	0.00	0.0	6.394	0.188	0	0	0	0
438808	PL.6715	B	Consumer	14.87Y	123.9	0.00	2.06	0.31	0	5	1	98	0.00	0.0	5.829	0.000	5	1	1	1
PL.2518	PL.14164	B	4ACSR	14.87Y	124.0	0.00	2.05	0.36	0	5	1	98	0.00	0.0	5.430	0.066	0	0	0	1
438816	PL.2518	B	Consumer	14.87Y	124.0	0.00	2.05	0.36	0	5	1	98	0.00	0.0	5.430	0.000	5	1	1	1
PL.14166	PL.14164	B	4ACSR	14.87Y	124.0	0.00	2.05	0.74	0	11	0	100	0.00	0.0	5.371	0.007	0	0	0	2
PD.999	PL.14166	B	fuse6AMP	14.87Y	124.0	0.00	2.05	0.74	13	11	0	100	0.00	0.0	5.371	0.000	0	0	0	2
PL.14730	PD.999	B	4ACSR	14.87Y	124.0	0.00	2.05	0.74	0	11	0	100	0.00	0.0	5.440	0.069	0	0	0	2
438863	PL.14730	B	Consumer	14.87Y	124.0	0.00	2.05	0.45	0	7	1	99	0.00	0.0	5.440	0.000	7	1	1	1
4388070	PL.14730	B	Consumer	14.87Y	124.0	0.00	2.05	0.29	0	4	0	100	0.00	0.0	5.440	0.000	4	0	1	1
PL.45407	PL.14730	B	2ACSR	14.87Y	124.0	-0.00	2.05	-0.08	0	0	-1	0	0.00	0.0	5.583	0.143	0	0	0	0
PD.8644-A	PL.45407	B	Closed	14.87Y	124.0	0.00	2.05	-0.08	0	0	-1	0	0.00	0.0	5.583	0.000	0	0	0	0
PD.8644-B	PD.8644-A	B	Closed	14.87Y	124.0	0.00	2.05	-0.08	0	0	-1	0	0.00	0.0	5.583	0.000	0	0	0	0
PL.45408	PD.8644-B	B	1/0EPRJCN	14.87Y	124.0	-0.00	2.05	-0.08	0	0	-1	0	0.00	0.0	5.645	0.062	0	0	0	0
4388079	PL.45408	B	Consumer	14.87Y	124.0	0.00	2.05	0.00	0	0	0	100	0.00	0.0	5.645	0.000	0	0	0	0
PL.14160	PL.14159	B	4ACSR	14.88Y	124.0	0.00	2.04	0.17	0	3	0	100	0.00	0.0	5.270	0.013	0	0	0	1
PD.997	PL.14160	B	fuse6AMP	14.88Y	124.0	0.00	2.04	0.17	3	3	0	100	0.00	0.0	5.270	0.000	0	0	0	1
PL.14161	PD.997	B	4ACSR	14.88Y	124.0	0.00	2.04	0.17	0	3	0	100	0.00	0.0	5.424	0.154	0	0	0	1
438810	PL.14161	B	Consumer	14.88Y	124.0	0.00	2.04	0.17	0	3	0	100	0.00	0.0	5.424	0.000	3	0	1	1
438902	PL.27654	B	Consumer	14.88Y	124.0	0.00	2.02	0.47	0	7	1	99	0.00	0.0	5.079	0.000	7	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: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
438939	PL.27654	B	Consumer	14.88Y	124.0	0.00	2.02	0.00	0	0	0	100	0.00	0.0	5.079	0.000	0	0	0	0
438913	PL.27654	B	Consumer	14.88Y	124.0	0.00	2.02	0.08	0	1	0	100	0.00	0.0	5.079	0.000	1	0	1	1
PL.28633	PL.13781	B	4ACSR	14.88Y	124.0	0.00	2.01	0.56	0	8	1	99	0.00	0.0	5.020	0.009	0	0	0	1
PD.2670	PL.28633	B	fuse6AMP	14.88Y	124.0	0.00	2.01	0.56	10	8	1	99	0.00	0.0	5.020	0.000	0	0	0	1
PL.28634	PD.2670	B	4ACSR	14.88Y	124.0	0.00	2.01	0.56	0	8	1	99	0.00	0.0	5.041	0.022	0	0	0	1
438928	PL.28634	B	Consumer	14.88Y	124.0	0.00	2.01	0.56	0	8	1	99	0.00	0.0	5.041	0.000	8	1	1	1
PL.2524	PL.13781	B	4ACSR	14.88Y	124.0	0.00	2.01	1.06	1	16	2	99	0.00	0.0	5.049	0.038	0	0	0	4
PL.2679	PL.2524	B	4ACSR	14.88Y	124.0	0.00	2.01	0.43	0	6	1	99	0.00	0.0	5.163	0.114	0	0	0	2
438936	PL.2679	B	Consumer	14.88Y	124.0	0.00	2.01	0.01	0	0	0	100	0.00	0.0	5.163	0.000	0	0	1	1
438935	PL.2679	B	Consumer	14.88Y	124.0	0.00	2.01	0.43	0	6	1	99	0.00	0.0	5.163	0.000	6	1	1	1
PL.2523	PL.2524	B	4ACSR	14.88Y	124.0	0.00	2.01	0.63	0	9	1	99	0.00	0.0	5.087	0.038	0	0	0	2
4389048	PL.2523	B	Consumer	14.88Y	124.0	0.00	2.01	0.00	0	0	0	100	0.00	0.0	5.087	0.000	0	0	0	0
438904	PL.2523	B	Consumer	14.88Y	124.0	0.00	2.01	0.62	0	9	1	99	0.00	0.0	5.087	0.000	9	1	1	1
438934	PL.2523	B	Consumer	14.88Y	124.0	0.00	2.01	0.01	0	0	0	100	0.00	0.0	5.087	0.000	0	0	1	1
PL.14154	PL.13780	B	4ACSR	14.88Y	124.0	0.00	1.98	0.90	0	13	1	100	0.00	0.0	4.819	0.007	0	0	0	4
PD.994	PL.14154	B	fuse6AMP	14.88Y	124.0	0.00	1.98	0.90	15	13	1	100	0.00	0.0	4.819	0.000	0	0	0	4
PL.14155	PD.994	B	4ACSR	14.88Y	124.0	0.00	1.99	0.90	0	13	1	100	0.00	0.0	4.875	0.056	0	0	0	4
438933	PL.14155	B	Consumer	14.88Y	124.0	0.00	1.99	0.00	0	0	0	100	0.00	0.0	4.875	0.000	0	0	1	1
4389044	PL.14155	B	Consumer	14.88Y	124.0	0.00	1.99	0.70	0	10	1	100	0.00	0.0	4.875	0.000	10	1	1	1
PL.2682	PL.14155	B	4ACSR	14.88Y	124.0	0.00	1.99	0.19	0	3	0	100	0.00	0.0	4.914	0.039	0	0	0	2
438938	PL.2682	B	Consumer	14.88Y	124.0	0.00	1.99	0.00	0	0	0	100	0.00	0.0	4.914	0.000	0	0	1	1
438937	PL.2682	B	Consumer	14.88Y	124.0	0.00	1.99	0.19	0	3	0	100	0.00	0.0	4.914	0.000	3	0	1	1
438927	PL.13779	B	Consumer	14.88Y	124.0	0.00	1.97	0.21	0	3	0	100	0.00	0.0	4.742	0.000	3	0	1	1
438929	PL.13778	B	Consumer	14.88Y	124.0	0.00	1.97	0.52	0	8	1	99	0.00	0.0	4.712	0.000	8	1	1	1
PL.39524	PL.13776	B	2ACSR	14.89Y	124.0	0.00	1.96	0.00	0	0	0	100	0.00	0.0	4.682	0.037	0	0	0	1
4389045	PL.39524	B	Consumer	14.89Y	124.0	0.00	1.96	0.00	0	0	0	100	0.00	0.0	4.682	0.000	0	0	1	1
438920	PL.13775	B	Consumer	14.89Y	124.1	0.00	1.95	0.34	0	5	1	98	0.00	0.0	4.591	0.000	5	1	1	1
PL.14019	PL.14018	B	4ACSR	14.89Y	124.1	0.00	1.92	0.03	0	0	0	100	0.00	0.0	4.426	0.021	0	0	0	1
PD.991	PL.14019	B	fuse6AMP	14.89Y	124.1	0.00	1.92	0.03	0	0	0	100	0.00	0.0	4.426	0.000	0	0	0	1
PL.14020	PD.991	B	4ACSR	14.89Y	124.1	0.00	1.92	0.03	0	0	0	100	0.00	0.0	4.454	0.029	0	0	0	1
438910	PL.14020	B	Consumer	14.89Y	124.1	0.00	1.92	0.03	0	0	0	100	0.00	0.0	4.454	0.000	0	0	1	1
447249	PL.20545	C	Consumer	15.02Y	125.2	0.00	0.81	0.17	0	3	0	100	0.00	0.0	3.487	0.000	3	0	1	1
PL.13661	PL.13658	A	336ACSR	15.10Y	125.8	0.00	0.17	25.61	4	384	49	99	0.02	0.0	3.418	0.014	0	0	0	74
		B		14.94Y	124.5	0.00	1.48	51.69	7	765	107	99					0	0	0	144
		C		15.03Y	125.2	0.00	0.78	51.88	7	774	95	99					0	0	0	152
PD.390-A	PL.13661	A	Closed	15.10Y	125.8	0.00	0.17	25.61	0	384	49	99	0.00	0.0	3.418	0.000	0	0	0	74
		B		14.94Y	124.5	0.00	1.48	51.69	0	765	107	99					0	0	0	144
		C		15.03Y	125.2	0.00	0.78	51.88	0	774	95	99					0	0	0	152
PD.390-B	PD.390-A	A	Closed	15.10Y	125.8	0.00	0.17	25.61	0	384	49	99	0.00	0.0	3.418	0.000	0	0	0	74
		B		14.94Y	124.5	0.00	1.48	51.69	0	765	107	99					0	0	0	144
		C		15.03Y	125.2	0.00	0.78	51.88	0	774	95	99					0	0	0	152

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: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.13662	PD.390-B	A	336ACSR	15.10Y	125.8	0.00	0.17	25.61	4	384	49	99	0.06	0.0	3.452	0.034	0	0	0	74
		B		14.94Y	124.5	0.01	1.49	51.69	7	765	107	99					0	0	0	144
		C		15.03Y	125.2	0.00	0.78	51.88	7	774	95	99					0	0	0	152
PL.13659	PL.13662	A	336ACSR	15.10Y	125.8	0.00	0.17	25.61	4	384	49	99	0.04	0.0	3.477	0.025	0	0	0	74
		B		14.94Y	124.5	0.01	1.50	51.42	7	761	107	99					0	0	0	143
		C		15.03Y	125.2	0.00	0.78	51.88	7	774	95	99					0	0	0	152
PL.46091	PL.13659	A	336ACSR	15.10Y	125.8	0.00	0.17	25.61	4	384	49	99	0.03	0.0	3.498	0.021	0	0	0	74
		B		14.94Y	124.5	0.00	1.50	50.12	7	742	101	99					0	0	0	140
		C		15.03Y	125.2	0.00	0.78	51.83	7	773	95	99					0	0	0	151
PD.8716	PL.46091	A	VWVE	15.10Y	125.8	0.00	0.17	25.61	0	384	49	99	0.00	0.0	3.498	0.000	0	0	0	74
		B		14.94Y	124.5	0.00	1.50	50.12	0	742	101	99					0	0	0	140
		C		15.03Y	125.2	0.00	0.78	51.83	0	773	95	99					0	0	0	151
PL.46092	PD.8716	A	336ACSR	15.10Y	125.8	0.00	0.17	25.61	4	384	49	99	0.23	0.0	3.637	0.140	0	0	0	74
		B		14.94Y	124.5	0.03	1.54	50.12	7	742	101	99					0	0	0	140
		C		15.02Y	125.2	0.01	0.80	51.83	7	773	95	99					0	0	0	151
PL.26646	PL.46092	A	336ACSR	15.10Y	125.8	0.00	0.17	25.61	4	384	49	99	0.13	0.0	3.714	0.077	0	0	0	74
		B		14.93Y	124.4	0.02	1.56	49.71	7	736	100	99					0	0	0	138
		C		15.02Y	125.2	0.01	0.81	51.83	7	773	94	99					0	0	0	151
PL.24060	PL.26646	B	4ACSR	14.93Y	124.4	0.00	1.56	1.14	1	17	2	99	0.00	0.0	3.795	0.081	0	0	0	2
448229	PL.24060	B	Consumer	14.93Y	124.4	0.00	1.56	0.78	0	12	1	100	0.00	0.0	3.795	0.000	12	1	1	1
448203	PL.24060	B	Consumer	14.93Y	124.4	0.00	1.56	0.36	0	5	1	98	0.00	0.0	3.795	0.000	5	1	1	1
4482070	PL.26646	A	Consumer	15.10Y	125.8	0.00	0.17	0.83	0	12	1	100	0.00	0.0	3.714	0.000	12	1	1	1
PL.24059	PL.26646	B	4ACSR	14.93Y	124.4	0.00	1.56	0.69	0	10	1	100	0.00	0.0	3.767	0.053	0	0	0	1
448260	PL.24059	B	Consumer	14.93Y	124.4	0.00	1.56	0.69	0	10	1	100	0.00	0.0	3.767	0.000	10	1	1	1
PL.26647	PL.26646	A	336ACSR	15.10Y	125.8	0.00	0.18	24.77	3	371	48	99	0.09	0.0	3.769	0.054	0	0	0	73
		B		14.93Y	124.4	0.01	1.57	47.88	7	708	97	99					0	0	0	135
		C		15.02Y	125.2	0.01	0.81	51.83	7	773	94	99					0	0	0	151
448258	PL.26647	B	Consumer	14.93Y	124.4	0.00	1.57	0.29	0	4	0	100	0.00	0.0	3.769	0.000	4	0	1	1
448259	PL.26647	B	Consumer	14.93Y	124.4	0.00	1.57	0.34	0	5	1	98	0.00	0.0	3.769	0.000	5	1	1	1
PL.26648	PL.26647	A	336ACSR	15.10Y	125.8	0.00	0.18	24.77	3	371	48	99	0.05	0.0	3.797	0.028	0	0	0	73
		B		14.93Y	124.4	0.01	1.57	47.24	6	699	96	99					0	0	0	133
		C		15.02Y	125.2	0.00	0.82	51.83	7	773	94	99					0	0	0	151
PL.20044	PL.26648	A	336ACSR	15.10Y	125.8	0.00	0.18	24.77	3	371	48	99	0.04	0.0	3.825	0.028	0	0	0	73
		B		14.93Y	124.4	0.01	1.58	47.13	6	697	95	99					0	0	0	132
		C		15.02Y	125.2	0.00	0.82	51.83	7	773	94	99					0	0	0	151
PL.20045	PL.20044	A	336ACSR	15.10Y	125.8	0.00	0.18	24.77	3	371	48	99	0.11	0.0	3.893	0.068	0	0	0	73
		B		14.93Y	124.4	0.02	1.60	45.90	6	679	93	99					0	0	0	130
		C		15.02Y	125.2	0.01	0.83	51.83	7	773	94	99					0	0	0	151
PL.26649	PL.20045	A	336ACSR	15.10Y	125.8	0.00	0.18	22.85	3	342	45	99	0.10	0.0	3.962	0.069	0	0	0	69
		B		14.93Y	124.4	0.02	1.61	44.89	6	664	92	99					0	0	0	129
		C		15.02Y	125.2	0.01	0.84	51.83	7	773	94	99					0	0	0	151
PL.14446	PL.26649	A	336ACSR	15.10Y	125.8	0.00	0.18	22.85	3	342	45	99	0.19	0.0	4.087	0.125	0	0	0	69
		B		14.92Y	124.4	0.03	1.64	44.89	6	664	92	99					0	0	0	129
		C		15.02Y	125.2	0.01	0.85	51.75	7	772	94	99					0	0	0	150
PL.14443	PL.14446	C	4ACSR	15.02Y	125.1	0.00	0.85	0.95	0	14	2	99	0.00	0.0	4.095	0.008	0	0	0	2
PD.3689	PL.14443	C	fuse6AMP	15.02Y	125.1	0.00	0.85	0.95	16	14	2	99	0.00	0.0	4.095	0.000	0	0	0	2
PL.14444	PD.3689	C	4ACSR	15.02Y	125.1	0.00	0.85	0.95	0	14	2	99	0.00	0.0	4.159	0.065	0	0	0	2
PL.2763	PL.14444	C	4ACSR	15.02Y	125.1	0.00	0.85	0.95	0	14	2	99	0.00	0.0	4.226	0.067	0	0	0	2
448238	PL.2763	C	Consumer	15.02Y	125.1	0.00	0.85	0.50	0	8	1	99	0.00	0.0	4.226	0.000	8	1	1	1
448236	PL.2763	C	Consumer	15.02Y	125.1	0.00	0.85	0.45	0	7	1	99	0.00	0.0	4.226	0.000	7	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: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.14439	PL.14446	C	4ACSR	15.02Y	125.1	0.00	0.85	2.58	1	39	4	99	0.00	0.0	4.092	0.005	0	0	0	5
PD.3687	PL.14439	C	fuse6AMP	15.02Y	125.1	0.00	0.85	2.58	44	39	4	99	0.00	0.0	4.092	0.000	0	0	0	5
PL.14440	PD.3687	C	4ACSR	15.02Y	125.1	0.00	0.85	2.58	1	39	4	99	0.00	0.0	4.144	0.052	0	0	0	5
448248	PL.14440	C	Consumer	15.02Y	125.1	0.00	0.85	0.35	0	5	1	98	0.00	0.0	4.144	0.000	5	1	1	1
448252	PL.14440	C	Consumer	15.02Y	125.1	0.00	0.85	0.71	0	11	1	100	0.00	0.0	4.144	0.000	11	1	1	1
448255	PL.14440	C	Consumer	15.02Y	125.1	0.00	0.85	0.38	0	6	1	99	0.00	0.0	4.144	0.000	6	1	1	1
448250	PL.14440	C	Consumer	15.02Y	125.1	0.00	0.85	0.53	0	8	1	99	0.00	0.0	4.144	0.000	8	1	1	1
PL.14515	PL.14440	C	4ACSR	15.02Y	125.1	0.00	0.85	0.62	0	9	1	99	0.00	0.0	4.181	0.037	0	0	0	1
PL.6467	PL.14515	C	4ACSR	15.02Y	125.1	0.00	0.85	0.00	0	0	0	100	0.00	0.0	4.230	0.049	0	0	0	0
PL.6466	PL.14515	C	4ACSR	15.02Y	125.1	0.00	0.85	0.62	0	9	1	99	0.00	0.0	4.181	0.000	0	0	0	1
448251	PL.6466	C	Consumer	15.02Y	125.1	0.00	0.85	0.62	0	9	1	99	0.00	0.0	4.181	0.000	9	1	1	1
PL.14516	PL.14515	C	4ACSR	15.02Y	125.1	0.00	0.85	0.00	0	0	0	100	0.00	0.0	4.209	0.028	0	0	0	0
PL.14520	PL.14446	A	336ACSR	15.10Y	125.8	0.00	0.18	22.85	3	342	44	99	0.18	0.0	4.216	0.130	0	0	0	69
		B		14.92Y	124.3	0.03	1.67	44.89	6	664	91	99					0	0	0	129
		C		15.02Y	125.1	0.01	0.86	47.14	6	703	86	99					0	0	0	141
PL.14518	PL.14520	B	4ACSR	14.92Y	124.3	0.00	1.67	0.17	0	2	0	100	0.00	0.0	4.226	0.010	0	0	0	1
PD.3690	PL.14518	B	fuse6AMP	14.92Y	124.3	0.00	1.67	0.17	3	2	0	100	0.00	0.0	4.226	0.000	0	0	0	1
PL.14519	PD.3690	B	4ACSR	14.92Y	124.3	0.00	1.67	0.17	0	2	0	100	0.00	0.0	4.284	0.057	0	0	0	1
448227	PL.14519	B	Consumer	14.92Y	124.3	0.00	1.67	0.17	0	2	0	100	0.00	0.0	4.284	0.000	2	0	1	1
PL.14521	PL.14520	A	336ACSR	15.10Y	125.8	0.00	0.19	22.85	3	342	44	99	0.12	0.0	4.302	0.086	0	0	0	69
		B		14.92Y	124.3	0.02	1.69	44.73	6	661	91	99					0	0	0	128
		C		15.02Y	125.1	0.01	0.87	47.14	6	703	85	99					0	0	0	141
PD.394-A	PL.14521	A	Closed	15.10Y	125.8	0.00	0.19	22.85	0	342	44	99	0.00	0.0	4.302	0.000	0	0	0	69
		B		14.92Y	124.3	0.00	1.69	44.73	0	661	91	99					0	0	0	128
		C		15.02Y	125.1	0.00	0.87	47.14	0	703	85	99					0	0	0	141
PD.394-B	PD.394-A	A	Closed	15.10Y	125.8	0.00	0.19	22.85	0	342	44	99	0.00	0.0	4.302	0.000	0	0	0	69
		B		14.92Y	124.3	0.00	1.69	44.73	0	661	91	99					0	0	0	128
		C		15.02Y	125.1	0.00	0.87	47.14	0	703	85	99					0	0	0	141
PL.44720	PD.394-B	A	336ACSR	15.10Y	125.8	0.00	0.19	22.85	3	342	44	99	0.04	0.0	4.328	0.026	0	0	0	69
		B		14.92Y	124.3	0.01	1.69	44.73	6	661	91	99					0	0	0	128
		C		15.02Y	125.1	0.00	0.87	47.14	6	703	85	99					0	0	0	141
PL.44721	PL.44720	A	336ACSR	15.10Y	125.8	0.00	0.19	22.85	3	342	44	99	0.03	0.0	4.347	0.020	0	0	0	69
		B		14.92Y	124.3	0.00	1.70	44.73	6	661	91	99					0	0	0	128
		C		15.02Y	125.1	0.00	0.87	47.14	6	703	85	99					0	0	0	141
PL.24062	PL.44721	C	4ACSR	15.01Y	125.1	0.00	0.88	1.46	1	22	2	100	0.00	0.0	4.415	0.067	0	0	0	3
PL.35663	PL.24062	C	2ACSR	15.01Y	125.1	0.00	0.88	0.63	0	9	1	99	0.00	0.0	4.450	0.035	0	0	0	1
4482072	PL.35663	C	Consumer	15.01Y	125.1	0.00	0.88	0.63	0	9	1	99	0.00	0.0	4.450	0.000	9	1	1	1
448241	PL.24062	C	Consumer	15.01Y	125.1	0.00	0.88	0.48	0	7	1	99	0.00	0.0	4.415	0.000	7	1	1	1
448218	PL.24062	C	Consumer	15.01Y	125.1	0.00	0.88	0.35	0	5	1	98	0.00	0.0	4.415	0.000	5	1	1	1
PL.19738	PL.44721	A	336ACSR	15.10Y	125.8	0.00	0.19	22.85	3	342	44	99	0.00	0.0	4.348	0.001	0	0	0	69
		B		14.92Y	124.3	0.00	1.70	44.73	6	661	91	99					0	0	0	128
		C		15.02Y	125.1	0.00	0.87	45.68	6	681	83	99					0	0	0	138
PL.29871	PL.19738	A	336ACSR	15.10Y	125.8	0.00	0.19	22.85	3	342	44	99	0.01	0.0	4.359	0.011	0	0	0	69
		B		14.92Y	124.3	0.00	1.70	44.73	6	661	91	99					0	0	0	128
		C		15.01Y	125.1	0.00	0.88	45.68	6	681	83	99					0	0	0	138

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: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
C	PD.3691	PL.29871	A	fuse6AMP	15.10Y	125.8	0.00	0.19	22.85	390	342	44	99	0.00	0.0	4.359	0.000	0	0	0	69	C
C			B		14.92Y	124.3	0.00	1.70	44.73	764	661	91	99					0	0	0	128	C
C			C		15.01Y	125.1	0.00	0.88	45.68	780	681	83	99					0	0	0	138	C
	PL.29872	PD.3691	A	336ACSR	15.10Y	125.8	0.00	0.19	22.85	3	342	44	99	0.14	0.0	4.468	0.109	0	0	0	69	
			B		14.91Y	124.3	0.02	1.72	44.73	6	661	91	99					0	0	0	128	
			C		15.01Y	125.1	0.01	0.89	45.68	6	681	83	99					0	0	0	138	
	PL.8604	PL.29872	A	336ACSR	15.10Y	125.8	0.00	0.19	22.85	3	342	44	99	0.20	0.0	4.619	0.151	0	0	0	69	
			B		14.91Y	124.2	0.03	1.75	44.73	6	661	91	99					0	0	0	128	
			C		15.01Y	125.1	0.01	0.90	45.68	6	681	83	99					0	0	0	138	
	PL.14523	PL.8604	A	336ACSR	15.10Y	125.8	0.00	0.19	22.85	3	342	44	99	0.00	0.0	4.620	0.001	0	0	0	69	
			B		14.91Y	124.2	0.00	1.75	44.73	6	661	90	99					0	0	0	128	
			C		15.01Y	125.1	0.00	0.90	45.68	6	681	82	99					0	0	0	138	
C	PD.3692	PL.14523	A	fuse6AMP	15.10Y	125.8	0.00	0.19	22.85	390	342	44	99	0.00	0.0	4.620	0.000	0	0	0	69	C
C			B		14.91Y	124.2	0.00	1.75	44.73	764	661	90	99					0	0	0	128	C
C			C		15.01Y	125.1	0.00	0.90	45.68	780	681	82	99					0	0	0	138	C
	PL.14524	PD.3692	A	336ACSR	15.10Y	125.8	0.00	0.20	22.85	3	342	44	99	0.12	0.0	4.708	0.088	0	0	0	69	
			B		14.91Y	124.2	0.02	1.77	44.73	6	661	90	99					0	0	0	128	
			C		15.01Y	125.1	0.01	0.91	45.68	6	681	82	99					0	0	0	138	
	PL.24068	PL.14524	C	4ACSR	15.01Y	125.1	0.00	0.91	1.52	1	23	3	99	0.00	0.0	4.774	0.066	0	0	0	3	
	PL.15011	PL.24068	C	4ACSR	15.01Y	125.1	0.00	0.91	0.82	0	12	1	100	0.00	0.0	4.823	0.050	0	0	0	2	
	448269	PL.15011	C	Consumer	15.01Y	125.1	0.00	0.91	0.09	0	1	0	100	0.00	0.0	4.823	0.000	1	0	1	1	
	PL.15012	PL.15011	C	4ACSR	15.01Y	125.1	0.00	0.91	0.73	0	11	1	100	0.00	0.0	4.867	0.043	0	0	0	1	
	449254	PL.15012	C	Consumer	15.01Y	125.1	0.00	0.91	0.73	0	11	1	100	0.00	0.0	4.867	0.000	11	1	1	1	
	448266	PL.24068	C	Consumer	15.01Y	125.1	0.00	0.91	0.70	0	11	1	100	0.00	0.0	4.774	0.000	11	1	1	1	
	PL.43240	PL.14524	A	336ACSR	15.10Y	125.8	0.00	0.20	22.85	3	342	44	99	0.02	0.0	4.722	0.014	0	0	0	69	
			B		14.91Y	124.2	0.00	1.78	44.73	6	661	90	99					0	0	0	128	
			C		15.01Y	125.1	0.00	0.91	44.16	6	658	80	99					0	0	0	135	
	PL.43239	PL.43240	C	2ACSR	15.01Y	125.1	0.00	0.91	0.00	0	0	0	100	0.00	0.0	4.734	0.012	0	0	0	0	
	PL.43242	PL.43239	C	2ACSR	15.01Y	125.1	0.00	0.91	0.00	0	0	0	100	0.00	0.0	4.790	0.057	0	0	0	0	
	4482080	PL.43242	C	Consumer	15.01Y	125.1	0.00	0.91	0.00	0	0	0	100	0.00	0.0	4.790	0.000	0	0	0	0	
	PL.43241	PL.43240	A	336ACSR	15.10Y	125.8	0.00	0.20	22.85	3	342	44	99	0.05	0.0	4.765	0.043	0	0	0	69	
			B		14.91Y	124.2	0.01	1.79	44.73	6	661	90	99					0	0	0	128	
			C		15.01Y	125.1	0.00	0.91	44.16	6	658	80	99					0	0	0	135	
P	PL.40304	PL.43241	A	1/0EPRJCN	15.10Y	125.8	-0.00	0.20	-0.12	0	0	-2	0	0.00	0.0	4.832	0.067	0	0	0	1	P
P	PL.40305	PL.40304	A	1/0EPRJCN	15.10Y	125.8	-0.00	0.20	-0.04	0	0	-1	0	0.00	0.0	4.860	0.028	0	0	0	1	P
	4492065	PL.40305	A	Consumer	15.10Y	125.8	0.00	0.20	0.00	0	0	0	100	0.00	0.0	4.860	0.000	0	0	0	0	
	4492064	PL.40305	A	Consumer	15.10Y	125.8	0.00	0.20	0.00	0	0	0	100	0.00	0.0	4.860	0.000	0	0	1	1	
	PL.40301	PL.43241	C	1/0EPRJCN	15.01Y	125.1	0.00	0.91	1.22	1	18	0	100	0.00	0.0	4.818	0.053	0	0	0	3	
	4482074	PL.40301	C	Consumer	15.01Y	125.1	0.00	0.91	0.38	0	6	1	99	0.00	0.0	4.818	0.000	6	1	1	1	
	PL.40302	PL.40301	C	1/0EPRJCN	15.01Y	125.1	0.00	0.91	0.84	0	13	1	100	0.00	0.0	4.850	0.033	0	0	0	2	
	4482078	PL.40302	C	Consumer	15.01Y	125.1	0.00	0.91	0.30	0	5	1	98	0.00	0.0	4.850	0.000	5	1	1	1	
	4482077	PL.40302	C	Consumer	15.01Y	125.1	0.00	0.91	0.54	0	8	1	99	0.00	0.0	4.850	0.000	8	1	1	1	
	PL.36767	PL.43241	A	336ACSR	15.10Y	125.8	0.00	0.20	22.87	3	342	46	99	0.07	0.0	4.820	0.055	0	0	0	68	
			B		14.90Y	124.2	0.01	1.80	44.73	6	661	90	99					0	0	0	128	
			C		15.01Y	125.1	0.00	0.92	42.94	6	640	79	99					0	0	0	132	
	PL.14823	PL.36767	C	4ACSR	15.01Y	125.1	0.00	0.92	0.22	0	3	0	100	0.00	0.0	4.827	0.007	0	0	0	2	
	PD.1487	PL.14823	C	fuse6AMP	15.01Y	125.1	0.00	0.92	0.22	4	3	0	100	0.00	0.0	4.827	0.000	0	0	0	2	

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: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.14824	PD.1487	C	4ACSR	15.01Y	125.1	0.00	0.92	0.22	0	3	0	100	0.00	0.0	4.885	0.058	0	0	0	2
448214	PL.14824	C	Consumer	15.01Y	125.1	0.00	0.92	0.13	0	2	0	100	0.00	0.0	4.885	0.000	2	0	1	1
448237	PL.14824	C	Consumer	15.01Y	125.1	0.00	0.92	0.09	0	1	0	100	0.00	0.0	4.885	0.000	1	0	1	1
PL.14821	PL.36767	A	336ACSR	15.10Y	125.8	0.00	0.20	22.87	3	342	46	99	0.02	0.0	4.839	0.019	0	0	0	68
		B		14.90Y	124.2	0.00	1.80	44.73	6	661	90	99					0	0	0	128
		C		15.01Y	125.1	0.00	0.92	42.72	6	636	79	99					0	0	0	130
PL.14818	PL.14821	A	4ACSR	15.10Y	125.8	0.00	0.20	1.37	1	21	2	100	0.00	0.0	4.856	0.017	0	0	0	3
PD.3745	PL.14818	A	fuse6AMP	15.10Y	125.8	0.00	0.20	1.37	23	21	2	100	0.00	0.0	4.856	0.000	0	0	0	3
PL.14819	PD.3745	A	4ACSR	15.10Y	125.8	0.00	0.20	1.37	1	21	2	100	0.00	0.0	4.916	0.060	0	0	0	3
PL.6451	PL.14819	A	4ACSR	15.10Y	125.8	0.00	0.20	0.49	0	7	1	99	0.00	0.0	4.916	0.000	0	0	0	1
PL.37906	PL.6451	A	2ACSR	15.10Y	125.8	0.00	0.20	0.49	0	7	1	99	0.00	0.0	4.954	0.038	0	0	0	1
4492061	PL.37906	A	Consumer	15.10Y	125.8	0.00	0.20	0.49	0	7	1	99	0.00	0.0	4.954	0.000	7	1	1	1
449218	PL.14819	A	Consumer	15.10Y	125.8	0.00	0.20	0.00	0	0	0	100	0.00	0.0	4.916	0.000	0	0	0	0
449241	PL.14819	A	Consumer	15.10Y	125.8	0.00	0.20	0.70	0	10	1	100	0.00	0.0	4.916	0.000	10	1	1	1
449236	PL.14819	A	Consumer	15.10Y	125.8	0.00	0.20	0.19	0	3	0	100	0.00	0.0	4.916	0.000	3	0	1	1
PL.14822	PL.14821	A	336ACSR	15.10Y	125.8	0.00	0.20	21.50	3	322	44	99	0.08	0.0	4.901	0.063	0	0	0	65
		B		14.90Y	124.2	0.01	1.81	44.73	6	660	90	99					0	0	0	128
		C		15.01Y	125.1	0.00	0.92	42.72	6	636	79	99					0	0	0	130
449246	PL.14822	A	Consumer	15.10Y	125.8	0.00	0.20	0.33	0	5	1	98	0.00	0.0	4.901	0.000	5	1	1	1
449248	PL.14822	B	Consumer	14.90Y	124.2	0.00	1.81	0.43	0	6	1	99	0.00	0.0	4.901	0.000	6	1	1	1
PL.6464	PL.14822	A	336ACSR	15.10Y	125.8	0.00	0.21	21.17	3	317	43	99	0.07	0.0	4.955	0.054	0	0	0	64
		B		14.90Y	124.2	0.01	1.83	44.30	6	654	89	99					0	0	0	127
		C		15.01Y	125.1	0.00	0.93	42.72	6	636	79	99					0	0	0	130
PL.18236	PL.6464	A	336ACSR	15.10Y	125.8	0.00	0.21	20.35	3	304	41	99	0.10	0.0	5.037	0.082	0	0	0	61
		B		14.90Y	124.2	0.02	1.84	44.30	6	654	89	99					0	0	0	127
		C		15.01Y	125.1	0.01	0.93	42.72	6	636	79	99					0	0	0	130
PL.18237	PL.18236	A	336ACSR	15.09Y	125.8	0.00	0.21	19.33	3	289	39	99	0.07	0.0	5.095	0.057	0	0	0	59
		B		14.90Y	124.1	0.01	1.85	42.96	6	634	87	99					0	0	0	124
		C		15.01Y	125.1	0.00	0.94	42.72	6	636	78	99					0	0	0	130
PL.18235	PL.18237	A	336ACSR	15.09Y	125.8	0.00	0.21	18.83	3	282	39	99	0.07	0.0	5.159	0.064	0	0	0	58
		B		14.90Y	124.1	0.01	1.87	42.96	6	634	87	99					0	0	0	124
		C		15.01Y	125.1	0.00	0.94	42.72	6	636	78	99					0	0	0	130
449209	PL.18235	B	Consumer	14.90Y	124.1	0.00	1.87	0.08	0	1	0	100	0.00	0.0	5.159	0.000	1	0	1	1
PL.27310	PL.18235	A	336ACSR	15.09Y	125.8	0.00	0.21	18.24	2	273	38	99	0.16	0.0	5.292	0.133	0	0	0	55
		B		14.89Y	124.1	0.03	1.90	42.88	6	633	87	99					0	0	0	123
		C		15.01Y	125.0	0.01	0.95	42.72	6	636	78	99					0	0	0	130
PL.27681	PL.27310	B	4ACSR	14.89Y	124.1	0.00	1.90	0.15	0	2	0	100	0.00	0.0	5.297	0.006	0	0	0	2
PD.4	PL.27681	B	fuse6AMP	14.89Y	124.1	0.00	1.90	0.15	3	2	0	100	0.00	0.0	5.297	0.000	0	0	0	2
PL.27682	PD.4	B	4ACSR	14.89Y	124.1	0.00	1.90	0.15	0	2	0	100	0.00	0.0	5.349	0.052	0	0	0	2
449208	PL.27682	B	Consumer	14.89Y	124.1	0.00	1.90	0.06	0	1	0	100	0.00	0.0	5.349	0.000	1	0	1	1
449206	PL.27682	B	Consumer	14.89Y	124.1	0.00	1.90	0.10	0	1	0	100	0.00	0.0	5.349	0.000	1	0	1	1
PL.17002	PL.27310	A	336ACSR	15.09Y	125.8	0.00	0.21	18.24	2	273	38	99	0.08	0.0	5.358	0.066	0	0	0	55
		B		14.89Y	124.1	0.01	1.91	42.73	6	630	86	99					0	0	0	121
		C		15.01Y	125.0	0.00	0.96	42.72	6	636	78	99					0	0	0	130
PL.27030	PL.17002	A	336ACSR	15.09Y	125.8	0.00	0.21	18.24	2	273	38	99	0.04	0.0	5.390	0.032	0	0	0	55
		B		14.89Y	124.1	0.01	1.92	42.73	6	630	86	99					0	0	0	121
		C		15.00Y	125.0	0.00	0.96	42.72	6	636	78	99					0	0	0	130

Unbalanced Voltage Drop Report
Source: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.27018	PL.27030	C	4ACSR	15.00Y	125.0	0.00	0.96	1.13	1	17	2	99	0.00	0.0	5.398	0.008	0	0	0	3
PD.2583	PL.27018	C	fuse6AMP	15.00Y	125.0	0.00	0.96	1.13	19	17	2	99	0.00	0.0	5.398	0.000	0	0	0	3
PL.17173	PD.2583	C	4ACSR	15.00Y	125.0	0.00	0.96	1.13	1	17	2	99	0.00	0.0	5.445	0.047	0	0	0	3
020313	PL.17173	C	Consumer	15.00Y	125.0	0.00	0.96	0.25	0	4	0	100	0.00	0.0	5.445	0.000	4	0	1	1
020330	PL.17173	C	Consumer	15.00Y	125.0	0.00	0.96	0.50	0	7	1	99	0.00	0.0	5.445	0.000	7	1	1	1
PL.17854	PL.17173	C	4ACSR	15.00Y	125.0	0.00	0.96	0.38	0	6	1	99	0.00	0.0	5.485	0.041	0	0	0	1
020329	PL.17854	C	Consumer	15.00Y	125.0	0.00	0.96	0.38	0	6	1	99	0.00	0.0	5.485	0.000	6	1	1	1
020323	PL.17854	C	Consumer	15.00Y	125.0	0.00	0.96	0.00	0	0	0	100	0.00	0.0	5.485	0.000	0	0	0	0
PL.27031	PL.27030	A	336ACSR	15.09Y	125.8	0.00	0.22	18.24	2	273	38	99	0.10	0.0	5.482	0.092	0	0	0	55
		B		14.89Y	124.1	0.02	1.94	42.73	6	630	86	99					0	0	0	121
		C		15.00Y	125.0	0.01	0.96	41.59	6	619	76	99					0	0	0	127
PD.211-A	PL.27031	A	Closed	15.09Y	125.8	0.00	0.22	18.24	0	273	38	99	0.00	0.0	5.482	0.000	0	0	0	55
		B		14.89Y	124.1	0.00	1.94	42.73	0	630	86	99					0	0	0	121
		C		15.00Y	125.0	0.00	0.96	41.59	0	619	76	99					0	0	0	127
PD.211-B	PD.211-A	A	Closed	15.09Y	125.8	0.00	0.22	18.24	0	273	38	99	0.00	0.0	5.482	0.000	0	0	0	55
		B		14.89Y	124.1	0.00	1.94	42.73	0	630	86	99					0	0	0	121
		C		15.00Y	125.0	0.00	0.96	41.59	0	619	76	99					0	0	0	127
PL.27019	PD.211-B	A	336ACSR	15.09Y	125.8	0.00	0.22	18.24	2	273	38	99	0.07	0.0	5.543	0.061	0	0	0	55
		B		14.89Y	124.0	0.01	1.95	42.73	6	630	86	99					0	0	0	121
		C		15.00Y	125.0	0.00	0.97	41.59	6	619	76	99					0	0	0	127
020307	PL.27019	A	Consumer	15.09Y	125.8	0.00	0.22	0.11	0	2	0	100	0.00	0.0	5.543	0.000	2	0	1	1
PL.5997	PL.27019	A	336ACSR	15.09Y	125.8	0.00	0.22	18.13	2	271	37	99	0.09	0.0	5.624	0.081	0	0	0	54
		B		14.88Y	124.0	0.02	1.97	42.73	6	630	86	99					0	0	0	121
		C		15.00Y	125.0	0.01	0.97	41.59	6	619	76	99					0	0	0	127
PL.17855	PL.5997	A	4ACSR	15.09Y	125.8	0.00	0.22	0.16	0	2	0	100	0.00	0.0	5.632	0.008	0	0	0	1
PD.2586	PL.17855	A	fuse6AMP	15.09Y	125.8	0.00	0.22	0.16	3	2	0	100	0.00	0.0	5.632	0.000	0	0	0	1
PL.17856	PD.2586	A	4ACSR	15.09Y	125.8	0.00	0.22	0.16	0	2	0	100	0.00	0.0	5.675	0.043	0	0	0	1
020325	PL.17856	A	Consumer	15.09Y	125.8	0.00	0.22	0.16	0	2	0	100	0.00	0.0	5.675	0.000	2	0	1	1
PL.27029	PL.5997	A	336ACSR	15.09Y	125.8	0.00	0.22	17.97	2	269	37	99	0.22	0.0	5.819	0.195	0	0	0	53
		B		14.88Y	124.0	0.04	2.01	42.73	6	630	86	99					0	0	0	121
		C		15.00Y	125.0	0.01	0.99	41.59	6	619	76	99					0	0	0	127
PL.27020	PL.27029	A	4ACSR	15.09Y	125.8	0.00	0.22	0.58	0	9	1	99	0.00	0.0	5.823	0.004	0	0	0	1
PD.2587	PL.27020	A	fuse6AMP	15.09Y	125.8	0.00	0.22	0.58	10	9	1	99	0.00	0.0	5.823	0.000	0	0	0	1
PL.14782	PD.2587	A	4ACSR	15.09Y	125.8	0.00	0.22	0.58	0	9	1	99	0.00	0.0	5.830	0.007	0	0	0	1
PL.14783	PL.14782	A	4ACSR	15.09Y	125.8	0.00	0.22	0.58	0	9	1	99	0.00	0.0	5.901	0.070	0	0	0	1
0203036	PL.14783	A	Consumer	15.09Y	125.8	0.00	0.22	0.58	0	9	1	99	0.00	0.0	5.901	0.000	9	1	1	1
020333	PL.27029	A	Consumer	15.09Y	125.8	0.00	0.22	0.03	0	0	0	100	0.00	0.0	5.819	0.000	0	0	1	1
PL.15006	PL.27029	A	336ACSR	15.09Y	125.8	0.00	0.23	17.36	2	260	36	99	0.19	0.0	5.988	0.169	0	0	0	51
		B		14.87Y	124.0	0.04	2.05	42.73	6	630	86	99					0	0	0	121
		C		15.00Y	125.0	0.01	1.00	41.59	6	619	75	99					0	0	0	127
PL.14784	PL.15006	A	2ACSR	15.09Y	125.8	0.02	0.24	6.79	3	101	18	98	0.01	0.0	6.148	0.160	0	0	0	17
		B		14.87Y	124.0	-0.00	2.04	0.86	0	11	6	90					0	0	0	0
		C		15.00Y	125.0	0.00	1.00	0.85	0	11	6	90					0	0	0	0
PL.27032	PL.14784	A	2ACSR	15.09Y	125.7	0.01	0.25	6.74	3	100	18	98	0.01	0.0	6.276	0.128	0	0	0	16
		B		14.88Y	124.0	-0.00	2.04	0.86	0	11	6	90					0	0	0	0
		C		15.00Y	125.0	0.00	1.01	0.85	0	11	6	90					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: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
020321	PL.27032	A	Consumer	15.09Y	125.7	0.00	0.25	0.84	0	11	6	88	0.00	0.0	6.276	0.000	11	6	0	0
		B		14.88Y	124.0	0.00	2.04	0.86	0	11	6	90					11	6	0	0
		C		15.00Y	125.0	0.00	1.01	0.85	0	11	6	90					11	6	0	0
PL.6206	PL.27032	A	4ACSR	15.09Y	125.7	0.02	0.27	5.93	3	89	12	99	0.01	0.0	6.408	0.132	0	0	0	16
020320	PL.6206	A	Consumer	15.09Y	125.7	0.00	0.27	0.56	0	8	1	99	0.00	0.0	6.408	0.000	8	1	1	1
PL.6207	PL.6206	A	4ACSR	15.09Y	125.7	0.00	0.28	4.80	2	72	10	99	0.00	0.0	6.451	0.043	0	0	0	13
PL.6212	PL.6207	A	4ACSR	15.09Y	125.7	0.01	0.28	4.72	2	71	10	99	0.00	0.0	6.517	0.066	0	0	0	12
PL.6213	PL.6212	A	4ACSR	15.08Y	125.7	0.01	0.29	3.89	2	58	9	99	0.00	0.0	6.636	0.119	0	0	0	11
020314	PL.6213	A	Consumer	15.08Y	125.7	0.00	0.29	0.05	0	1	0	100	0.00	0.0	6.636	0.000	1	0	1	1
PL.1795	PL.6213	A	4ACSR	15.08Y	125.7	0.00	0.29	1.06	1	16	2	99	0.00	0.0	6.707	0.071	0	0	0	2
PL.46088	PL.1795	A	2ACSR	15.08Y	125.7	0.00	0.29	0.00	0	0	0	100	0.00	0.0	6.784	0.077	0	0	0	0
0203038	PL.46088	A	Consumer	15.08Y	125.7	0.00	0.29	0.00	0	0	0	100	0.00	0.0	6.784	0.000	0	0	0	0
020317	PL.1795	A	Consumer	15.08Y	125.7	0.00	0.29	0.28	0	4	0	100	0.00	0.0	6.707	0.000	4	0	1	1
0203037	020317	A	Consumer	15.08Y	125.7	0.00	0.29	0.00	0	0	0	100	0.00	0.0	6.707	0.000	0	0	0	0
020310	PL.1795	A	Consumer	15.08Y	125.7	0.00	0.29	0.79	0	12	1	100	0.00	0.0	6.707	0.000	12	1	1	1
PL.6211	PL.6213	A	4ACSR	15.08Y	125.7	0.00	0.29	2.78	1	41	7	99	0.00	0.0	6.655	0.019	0	0	0	8
PL.6210	PL.6211	A	4ACSR	15.08Y	125.7	0.00	0.30	2.78	1	41	7	99	0.00	0.0	6.720	0.065	0	0	0	8
020312	PL.6210	A	Consumer	15.08Y	125.7	0.00	0.30	0.15	0	2	0	100	0.00	0.0	6.720	0.000	2	0	1	1
020305	PL.6210	A	Consumer	15.08Y	125.7	0.00	0.30	0.00	0	0	0	100	0.00	0.0	6.720	0.000	0	0	0	0
PL.6209	PL.6210	A	4ACSR	15.08Y	125.7	0.00	0.30	2.63	1	39	7	98	0.00	0.0	6.777	0.057	0	0	0	7
PL.17967	PL.6209	A	4ACSR	15.08Y	125.7	0.01	0.31	1.76	1	26	5	98	0.00	0.0	6.908	0.131	0	0	0	4
PL.1235	PL.17967	A	4ACSR	15.08Y	125.7	0.00	0.31	0.73	0	11	1	100	0.00	0.0	7.056	0.148	0	0	0	1
PL.24070	PL.1235	A	4ACSR	15.08Y	125.7	0.00	0.31	0.73	0	11	1	100	0.00	0.0	7.307	0.251	0	0	0	1
449311	PL.24070	A	Consumer	15.08Y	125.7	0.00	0.31	0.73	0	11	1	100	0.00	0.0	7.307	0.000	11	1	1	1
0203035	PL.17967	A	Consumer	15.08Y	125.7	0.00	0.31	0.47	0	6	3	89	0.00	0.0	6.908	0.000	6	3	1	1
PL.17968	PL.17967	A	4ACSR	15.08Y	125.7	0.00	0.31	0.59	0	9	1	99	0.00	0.0	7.023	0.115	0	0	0	2
PL.117	PL.17968	A	4ACSR	15.08Y	125.7	0.00	0.31	0.59	0	9	1	99	0.00	0.0	7.159	0.135	0	0	0	2
449310	PL.117	A	Consumer	15.08Y	125.7	0.00	0.31	0.11	0	2	0	100	0.00	0.0	7.159	0.000	2	0	1	1
449307	PL.117	A	Consumer	15.08Y	125.7	0.00	0.31	0.47	0	7	1	99	0.00	0.0	7.159	0.000	7	1	1	1
020327	PL.6209	A	Consumer	15.08Y	125.7	0.00	0.30	0.04	0	1	0	100	0.00	0.0	6.777	0.000	1	0	1	1
020331	PL.6209	A	Consumer	15.08Y	125.7	0.00	0.30	0.59	0	9	1	99	0.00	0.0	6.777	0.000	9	1	1	1
020319	PL.6209	A	Consumer	15.08Y	125.7	0.00	0.30	0.24	0	4	0	100	0.00	0.0	6.777	0.000	4	0	1	1
020324	PL.6209	A	Consumer	15.08Y	125.7	0.00	0.30	0.00	0	0	0	100	0.00	0.0	6.777	0.000	0	0	0	0
020318	PL.6212	A	Consumer	15.09Y	125.7	0.00	0.28	0.83	0	12	1	100	0.00	0.0	6.517	0.000	12	1	1	1
020309	PL.6207	A	Consumer	15.09Y	125.7	0.00	0.28	0.08	0	1	0	100	0.00	0.0	6.451	0.000	1	0	1	1
PL.27038	PL.6206	A	4ACSR	15.09Y	125.7	0.00	0.27	0.57	0	8	1	99	0.00	0.0	6.466	0.058	0	0	0	2
PL.1869	PL.27038	A	4ACSR	15.09Y	125.7	0.00	0.27	0.57	0	8	1	99	0.00	0.0	6.670	0.203	0	0	0	2
021334	PL.1869	A	Consumer	15.09Y	125.7	0.00	0.27	0.01	0	0	0	100	0.00	0.0	6.670	0.000	0	0	1	1
021333	PL.1869	A	Consumer	15.09Y	125.7	0.00	0.27	0.56	0	8	1	99	0.00	0.0	6.670	0.000	8	1	1	1

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

Unbalanced Voltage Drop Report
Source: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.27024	PL.27032	C	4ACSR	15.00Y	125.0	0.00	1.01	0.00	0	0	0	100	0.00	0.0	6.285	0.009	0	0	0	0
PD.2594	PL.27024	C	fuse6AMP	15.00Y	125.0	0.00	1.01	0.00	0	0	0	100	0.00	0.0	6.285	0.000	0	0	0	0
PL.27023	PL.14784	A	4ACSR	15.09Y	125.8	0.00	0.24	0.05	0	1	0	100	0.00	0.0	6.156	0.008	0	0	0	1
PD.2593	PL.27023	A	fuse6AMP	15.09Y	125.8	0.00	0.24	0.05	1	1	0	100	0.00	0.0	6.156	0.000	0	0	0	1
PL.27022	PD.2593	A	4ACSR	15.09Y	125.8	0.00	0.24	0.05	0	1	0	100	0.00	0.0	6.196	0.041	0	0	0	1
020328	PL.27022	A	Consumer	15.09Y	125.8	0.00	0.24	0.05	0	1	0	100	0.00	0.0	6.196	0.000	1	0	1	1
PL.27021	PL.15006	A	4ACSR	15.09Y	125.8	0.00	0.23	2.37	1	36	4	99	0.00	0.0	5.995	0.007	0	0	0	6
PD.2584	PL.27021	A	fuse6AMP	15.09Y	125.8	0.00	0.23	2.37	40	36	4	99	0.00	0.0	5.995	0.000	0	0	0	6
PL.14780	PD.2584	A	4ACSR	15.09Y	125.8	0.00	0.23	2.37	1	36	4	99	0.00	0.0	6.003	0.008	0	0	0	6
PD.3381	PL.14780	A	25V4E	15.09Y	125.8	0.00	0.23	2.37	9	36	4	99	0.00	0.0	6.003	0.000	0	0	0	6
PL.14781	PD.3381	A	4ACSR	15.09Y	125.8	0.00	0.23	2.37	1	36	4	99	0.00	0.0	6.067	0.064	0	0	0	6
PL.1868	PL.14781	A	4ACSR	15.09Y	125.8	0.00	0.23	0.41	0	6	1	99	0.00	0.0	6.184	0.117	0	0	0	1
021337	PL.1868	A	Consumer	15.09Y	125.8	0.00	0.23	0.41	0	6	1	99	0.00	0.0	6.184	0.000	6	1	1	1
021320	PL.14781	A	Consumer	15.09Y	125.8	0.00	0.23	0.19	0	3	0	100	0.00	0.0	6.067	0.000	3	0	1	1
021305	PL.14781	A	Consumer	15.09Y	125.8	0.00	0.23	0.29	0	4	0	100	0.00	0.0	6.067	0.000	4	0	1	1
021315	PL.14781	A	Consumer	15.09Y	125.8	0.00	0.23	0.73	0	11	1	100	0.00	0.0	6.067	0.000	11	1	1	1
PL.21601	PL.14781	A	4ACSR	15.09Y	125.8	0.00	0.23	0.75	0	11	1	100	0.00	0.0	6.076	0.009	0	0	0	2
PD.3478	PL.21601	A	fuse6AMP	15.09Y	125.8	0.00	0.23	0.75	13	11	1	100	0.00	0.0	6.076	0.000	0	0	0	2
PL.21600	PD.3478	A	4ACSR	15.09Y	125.8	0.00	0.23	0.75	0	11	1	100	0.00	0.0	6.098	0.022	0	0	0	2
021321	PL.21600	A	Consumer	15.09Y	125.8	0.00	0.23	0.01	0	0	0	100	0.00	0.0	6.098	0.000	0	0	1	1
021331	PL.21600	A	Consumer	15.09Y	125.8	0.00	0.23	0.74	0	11	1	100	0.00	0.0	6.098	0.000	11	1	1	1
PL.14938	PL.15006	A	336ACSR	15.09Y	125.8	-0.00	0.22	2.42	0	36	4	99	0.03	0.0	6.034	0.046	0	0	0	4
		B		14.87Y	123.9	0.01	2.05	21.58	3	319	31	100					0	0	0	65
		C		15.00Y	125.0	0.00	1.00	40.35	6	601	69	99					0	0	0	126
PL.14940	PL.14938	A	4ACSR	15.09Y	125.8	0.00	0.22	1.30	1	20	2	100	0.00	0.0	6.048	0.013	0	0	0	2
PD.2592-A	PL.14940	A	Closed	15.09Y	125.8	0.00	0.22	1.30	0	20	2	100	0.00	0.0	6.048	0.000	0	0	0	2
PD.2592-B	PD.2592-A	A	Closed	15.09Y	125.8	0.00	0.22	1.30	0	20	2	100	0.00	0.0	6.048	0.000	0	0	0	2
PL.14941	PD.2592-B	A	4ACSR	15.09Y	125.8	0.00	0.22	1.30	1	20	2	100	0.00	0.0	6.099	0.051	0	0	0	2
0213055	PL.14941	A	Consumer	15.09Y	125.8	0.00	0.22	0.51	0	8	1	99	0.00	0.0	6.099	0.000	8	1	1	1
021346	PL.14941	A	Consumer	15.09Y	125.8	0.00	0.22	0.79	0	12	1	100	0.00	0.0	6.099	0.000	12	1	1	1
PL.14939	PL.14938	A	336ACSR	15.09Y	125.8	-0.01	0.22	1.11	0	17	2	99	0.05	0.0	6.101	0.066	0	0	0	2
		B		14.87Y	123.9	0.01	2.06	21.58	3	319	31	100					0	0	0	65
		C		15.00Y	125.0	0.01	1.01	40.35	6	601	69	99					0	0	0	126
PL.1875	PL.14939	A	4ACSR	15.09Y	125.8	0.00	0.22	1.11	1	17	2	99	0.00	0.0	6.154	0.053	0	0	0	2
021341	PL.1875	A	Consumer	15.09Y	125.8	0.00	0.22	0.69	0	10	1	100	0.00	0.0	6.154	0.000	10	1	1	1
0213053	PL.1875	A	Consumer	15.09Y	125.8	0.00	0.22	0.42	0	6	1	99	0.00	0.0	6.154	0.000	6	1	1	1
PL.14937	PL.14939	A	336ACSR	15.09Y	125.8	-0.00	0.21	0.00	0	0	0	100	0.03	0.0	6.137	0.037	0	0	0	0
		B		14.87Y	123.9	0.01	2.07	21.58	3	319	31	100					0	0	0	65
		C		15.00Y	125.0	0.00	1.01	40.35	6	601	69	99					0	0	0	126
PL.14930	PL.14937	C	336ACSR	15.00Y	125.0	0.00	1.02	40.35	6	601	69	99	0.01	0.0	6.152	0.015	0	0	0	126
C PD.3383	PL.14930	C	50V4E	15.00Y	125.0	0.00	1.02	40.35	81	601	69	99	0.00	0.0	6.152	0.000	0	0	0	126 C

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

Unbalanced Voltage Drop Report
Source: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PL.14931	PD.3383	C	336ACSR	15.00Y	125.0	0.01	1.03	40.35	6	601	69	99	0.03	0.0	6.198	0.046	0	0	0	126	
PL.14935	PL.14931	C	336ACSR	15.00Y	125.0	0.01	1.03	39.84	5	594	68	99	0.02	0.0	6.235	0.037	0	0	0	125	
020334	PL.14935	C	Consumer	15.00Y	125.0	0.00	1.03	0.53	0	8	1	99	0.00	0.0	6.235	0.000	8	1	1	1	
PL.14934	PL.14935	C	336ACSR	15.00Y	125.0	0.01	1.04	39.31	5	586	67	99	0.04	0.0	6.294	0.059	0	0	0	124	
PL.33005	PL.14934	C	336ACSR	14.99Y	124.9	0.02	1.06	39.19	5	584	67	99	0.06	0.0	6.384	0.090	0	0	0	123	
PL.33004	PL.33005	C	336ACSR	14.99Y	124.9	0.01	1.07	38.09	5	567	65	99	0.04	0.0	6.445	0.061	0	0	0	122	
PL.1873	PL.33004	C	4ACSR	14.99Y	124.9	0.00	1.07	0.00	0	0	0	100	0.00	0.0	6.536	0.091	0	0	0	0	
PL.14928	PL.33004	C	4ACSR	14.99Y	124.9	0.01	1.08	38.09	20	567	65	99	0.04	0.0	6.456	0.011	0	0	0	122	
C PD.2591	PL.14928	C	fuse6AMP	14.99Y	124.9	0.00	1.08	38.09	651	567	64	99	0.00	0.0	6.456	0.000	0	0	0	122	C
PL.14927	PD.2591	C	4ACSR	14.99Y	124.9	0.04	1.12	38.09	20	567	64	99	0.18	0.0	6.507	0.051	0	0	0	122	
PL.6208	PL.14927	C	4ACSR	14.98Y	124.8	0.04	1.16	37.73	19	562	64	99	0.16	0.0	6.556	0.048	0	0	0	120	
PL.14926	PL.6208	C	4ACSR	14.95Y	124.6	0.23	1.38	37.44	19	557	63	99	0.97	0.2	6.845	0.289	0	0	0	119	
PL.23772	PL.14926	C	4ACSR	14.95Y	124.6	0.00	1.38	0.31	0	5	1	98	0.00	0.0	6.958	0.112	0	0	0	1	
020221	PL.23772	C	Consumer	14.95Y	124.6	0.00	1.38	0.31	0	5	1	98	0.00	0.0	6.958	0.000	5	1	1	1	
PL.14925	PL.14926	C	4ACSR	14.95Y	124.6	0.03	1.42	37.12	19	552	62	99	0.14	0.0	6.889	0.044	0	0	0	118	
020223	PL.14925	C	Consumer	14.95Y	124.6	0.00	1.42	0.03	0	0	0	100	0.00	0.0	6.889	0.000	0	0	1	1	
020213	PL.14925	C	Consumer	14.95Y	124.6	0.00	1.42	0.57	0	8	1	99	0.00	0.0	6.889	0.000	8	1	1	1	
PL.14924	PL.14925	C	4ACSR	14.94Y	124.5	0.07	1.49	36.52	19	543	61	99	0.28	0.1	6.977	0.088	0	0	0	116	
PL.23775	PL.14924	C	4ACSR	14.94Y	124.5	0.00	1.49	0.47	0	7	1	99	0.00	0.0	7.038	0.061	0	0	0	1	
020222	PL.23775	C	Consumer	14.94Y	124.5	0.00	1.49	0.47	0	7	1	99	0.00	0.0	7.038	0.000	7	1	1	1	
PL.14923	PL.14924	C	4ACSR	14.94Y	124.5	0.02	1.51	36.06	19	535	60	99	0.09	0.0	7.005	0.028	0	0	0	115	
PL.14922	PL.14923	C	4ACSR	14.93Y	124.4	0.04	1.55	35.58	18	528	59	99	0.18	0.0	7.065	0.060	0	0	0	114	
020201	PL.14922	C	Consumer	14.93Y	124.4	0.00	1.55	0.17	0	2	0	100	0.00	0.0	7.065	0.000	2	0	1	1	
PL.6215	PL.14922	C	4ACSR	14.93Y	124.4	0.04	1.59	35.41	18	526	59	99	0.14	0.0	7.113	0.048	0	0	0	113	
PL.6214	PL.6215	C	4ACSR	14.93Y	124.4	0.02	1.61	34.92	18	518	58	99	0.10	0.0	7.146	0.033	0	0	0	112	
PL.14919	PL.6214	C	4ACSR	14.92Y	124.4	0.03	1.64	34.92	18	518	58	99	0.11	0.0	7.184	0.038	0	0	0	112	
PL.14920	PL.14919	C	4ACSR	14.92Y	124.4	0.00	1.64	0.43	0	6	1	99	0.00	0.0	7.197	0.013	0	0	0	3	
PD.167-A	PL.14920	C	Closed	14.92Y	124.4	0.00	1.64	0.43	0	6	1	99	0.00	0.0	7.197	0.000	0	0	0	3	
PD.167-B	PD.167-A	C	Closed	14.92Y	124.4	0.00	1.64	0.43	0	6	1	99	0.00	0.0	7.197	0.000	0	0	0	3	
PL.14921	PD.167-B	C	4ACSR	14.92Y	124.4	0.00	1.64	0.43	0	6	1	99	0.00	0.0	7.234	0.037	0	0	0	3	
PL.23774	PL.14921	C	4ACSR	14.92Y	124.4	0.00	1.64	0.19	0	3	0	100	0.00	0.0	7.281	0.047	0	0	0	2	
020220	PL.23774	C	Consumer	14.92Y	124.4	0.00	1.64	0.00	0	0	0	100	0.00	0.0	7.281	0.000	0	0	0	0	
020211	PL.23774	C	Consumer	14.92Y	124.4	0.00	1.64	0.09	0	1	0	100	0.00	0.0	7.281	0.000	1	0	1	1	
020219	PL.23774	C	Consumer	14.92Y	124.4	0.00	1.64	0.10	0	1	0	100	0.00	0.0	7.281	0.000	1	0	1	1	
020214	PL.14921	C	Consumer	14.92Y	124.4	0.00	1.64	0.24	0	3	0	100	0.00	0.0	7.234	0.000	3	0	1	1	
PL.14918	PL.14919	C	4ACSR	14.92Y	124.3	0.02	1.66	34.02	18	504	56	99	0.08	0.0	7.213	0.030	0	0	0	108	
PL.1859	PL.14918	C	4ACSR	14.92Y	124.3	0.00	1.66	0.29	0	4	0	100	0.00	0.0	7.359	0.145	0	0	0	1	
020205	PL.1859	C	Consumer	14.92Y	124.3	0.00	1.66	0.29	0	4	0	100	0.00	0.0	7.359	0.000	4	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: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.26772	PL.14918	C	4ACSR	14.92Y	124.3	0.04	1.70	33.73	17	500	56	99	0.15	0.0	7.269	0.055	0	0	0	107
PL.14917	PL.26772	C	4ACSR	14.91Y	124.3	0.02	1.72	33.73	17	500	56	99	0.06	0.0	7.291	0.022	0	0	0	107
PL.24049	PL.14917	C	4ACSR	14.91Y	124.3	0.00	1.72	0.00	0	0	0	100	0.00	0.0	7.349	0.058	0	0	0	1
PL.24071	PL.24049	C	4ACSR	14.91Y	124.3	0.00	1.72	0.00	0	0	0	100	0.00	0.0	7.708	0.359	0	0	0	1
449251	PL.24071	C	Consumer	14.91Y	124.3	0.00	1.72	0.00	0	0	0	100	0.00	0.0	7.708	0.000	0	0	1	1
PL.14916	PL.14917	C	4ACSR	14.91Y	124.2	0.07	1.79	33.16	17	492	55	99	0.26	0.1	7.390	0.099	0	0	0	105
449215	PL.14916	C	Consumer	14.91Y	124.2	0.00	1.79	0.10	0	1	0	100	0.00	0.0	7.390	0.000	1	0	1	1
449231	PL.14916	C	Consumer	14.91Y	124.2	0.00	1.79	0.26	0	4	0	100	0.00	0.0	7.390	0.000	4	0	1	1
PL.26424	PL.14916	C	4ACSR	14.90Y	124.2	0.06	1.84	32.06	17	475	53	99	0.20	0.0	7.473	0.083	0	0	0	101
PL.26422	PL.26424	C	4ACSR	14.90Y	124.1	0.03	1.87	31.36	16	464	52	99	0.10	0.0	7.514	0.041	0	0	0	98
PL.6450	PL.26422	C	4ACSR	14.89Y	124.1	0.05	1.92	31.24	16	463	51	99	0.18	0.0	7.591	0.078	0	0	0	97
PL.24055	PL.6450	C	4ACSR	14.89Y	124.1	0.00	1.92	1.22	1	18	2	99	0.00	0.0	7.631	0.039	0	0	0	4
PL.26421	PL.24055	C	4ACSR	14.89Y	124.1	0.00	1.92	0.34	0	5	1	98	0.00	0.0	7.727	0.097	0	0	0	2
449239	PL.26421	C	Consumer	14.89Y	124.1	0.00	1.92	0.25	0	4	0	100	0.00	0.0	7.727	0.000	4	0	1	1
449244	PL.26421	C	Consumer	14.89Y	124.1	0.00	1.92	0.09	0	1	0	100	0.00	0.0	7.727	0.000	1	0	1	1
PL.26420	PL.24055	C	4ACSR	14.89Y	124.1	0.00	1.92	0.87	0	13	1	100	0.00	0.0	7.643	0.012	0	0	0	2
449250	PL.26420	C	Consumer	14.89Y	124.1	0.00	1.92	0.31	0	5	1	98	0.00	0.0	7.643	0.000	5	1	1	1
PL.26419	PL.26420	C	4ACSR	14.89Y	124.1	0.00	1.92	0.56	0	8	1	99	0.00	0.0	7.708	0.065	0	0	0	1
4492056	PL.26419	C	Consumer	14.89Y	124.1	0.00	1.92	0.56	0	8	1	99	0.00	0.0	7.708	0.000	8	1	1	1
449219	PL.6450	C	Consumer	14.89Y	124.1	0.00	1.92	0.00	0	0	0	100	0.00	0.0	7.591	0.000	0	0	0	0
449240	PL.6450	C	Consumer	14.89Y	124.1	0.00	1.92	0.25	0	4	0	100	0.00	0.0	7.591	0.000	4	0	1	1
449224	PL.6450	C	Consumer	14.89Y	124.1	0.00	1.92	0.00	0	0	0	100	0.00	0.0	7.591	0.000	0	0	0	0
PL.24052	PL.6450	C	4ACSR	14.89Y	124.1	0.00	1.92	0.00	0	0	0	100	0.00	0.0	7.662	0.071	0	0	0	0
449225	PL.24052	C	Consumer	14.89Y	124.1	0.00	1.92	0.00	0	0	0	100	0.00	0.0	7.662	0.000	0	0	0	0
PL.19355	PL.6450	C	4ACSR	14.89Y	124.1	0.00	1.92	0.75	0	11	1	100	0.00	0.0	7.674	0.083	0	0	0	1
PL.19435	PL.19355	C	4ACSR	14.89Y	124.1	0.00	1.92	0.00	0	0	0	100	0.00	0.0	7.675	0.000	0	0	0	0
449245	PL.19355	C	Consumer	14.89Y	124.1	0.00	1.92	0.75	0	11	1	100	0.00	0.0	7.674	0.000	11	1	1	1
PL.24051	PL.6450	C	4ACSR	14.89Y	124.1	0.00	1.92	1.15	1	17	2	99	0.00	0.0	7.628	0.036	0	0	0	6
4492062	PL.24051	C	Consumer	14.89Y	124.1	0.00	1.92	0.14	0	2	0	100	0.00	0.0	7.628	0.000	2	0	1	1
449220	PL.24051	C	Consumer	14.89Y	124.1	0.00	1.92	0.11	0	2	0	100	0.00	0.0	7.628	0.000	2	0	1	1
PL.6448	PL.24051	C	4ACSR	14.89Y	124.1	0.00	1.92	0.91	0	13	1	100	0.00	0.0	7.678	0.050	0	0	0	4
PL.6449	PL.6448	C	4ACSR	14.89Y	124.1	0.00	1.92	0.34	0	5	1	98	0.00	0.0	7.693	0.015	0	0	0	1
PL.1858	PL.6449	C	4ACSR	14.89Y	124.1	0.00	1.92	0.34	0	5	1	98	0.00	0.0	7.738	0.045	0	0	0	1
020206	PL.1858	C	Consumer	14.89Y	124.1	0.00	1.92	0.34	0	5	1	98	0.00	0.0	7.738	0.000	5	1	1	1
PL.1861	PL.6449	C	4ACSR	14.89Y	124.1	0.00	1.92	0.00	0	0	0	100	0.00	0.0	7.693	0.000	0	0	0	0
449221	PL.6448	C	Consumer	14.89Y	124.1	0.00	1.92	0.25	0	4	0	100	0.00	0.0	7.678	0.000	4	0	1	1
449213	PL.6448	C	Consumer	14.89Y	124.1	0.00	1.92	0.11	0	2	0	100	0.00	0.0	7.678	0.000	2	0	1	1
449212	PL.6448	C	Consumer	14.89Y	124.1	0.00	1.92	0.21	0	3	0	100	0.00	0.0	7.678	0.000	3	0	1	1

Unbalanced Voltage Drop Report
Source: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.26418	PL.6450	C	4ACSR	14.88Y	124.0	0.07	1.99	27.87	14	412	46	99	0.21	0.1	7.707	0.116	0	0	0	85
PD.392-A	PL.26418	C	Closed	14.88Y	124.0	0.00	1.99	27.87	0	412	46	99	0.00	0.0	7.707	0.000	0	0	0	85
PD.392-B	PD.392-A	C	Closed	14.88Y	124.0	0.00	1.99	27.87	0	412	46	99	0.00	0.0	7.707	0.000	0	0	0	85
PL.26417	PD.392-B	C	4ACSR	14.88Y	124.0	0.01	2.00	27.87	14	412	46	99	0.03	0.0	7.725	0.018	0	0	0	85
PL.97	PL.26417	C	4ACSR	14.87Y	124.0	0.05	2.05	27.87	14	412	46	99	0.16	0.0	7.810	0.085	0	0	0	85
439946	PL.97	C	Consumer	14.87Y	124.0	0.00	2.05	0.21	0	3	0	100	0.00	0.0	7.810	0.000	3	0	1	1
PL.24750	PL.97	C	4ACSR	14.87Y	123.9	0.02	2.07	13.68	7	202	22	99	0.02	0.0	7.864	0.054	0	0	0	35
PL.14640	PL.24750	C	4ACSR	14.87Y	123.9	0.02	2.09	12.94	7	191	21	99	0.03	0.0	7.944	0.080	0	0	0	32
PL.2683	PL.14640	C	4ACSR	14.87Y	123.9	0.00	2.09	0.00	0	0	0	100	0.00	0.0	7.987	0.044	0	0	0	1
439950	PL.2683	C	Consumer	14.87Y	123.9	0.00	2.09	0.00	0	0	0	100	0.00	0.0	7.987	0.000	0	0	1	1
PL.14639	PL.14640	C	4ACSR	14.87Y	123.9	0.01	2.10	12.94	7	191	21	99	0.02	0.0	7.985	0.041	0	0	0	31
PL.43706	PL.14639	C	4ACSR	14.87Y	123.9	0.00	2.10	1.95	1	29	3	99	0.00	0.0	8.002	0.017	0	0	0	2
PD.8316	PL.43706	C	fuse6AMP	14.87Y	123.9	0.00	2.10	1.95	33	29	3	99	0.00	0.0	8.002	0.000	0	0	0	2
PL.43705	PD.8316	C	4ACSR	14.87Y	123.9	0.00	2.10	1.95	1	29	3	99	0.00	0.0	8.052	0.051	0	0	0	2
PL.2503	PL.43705	C	4ACSR	14.87Y	123.9	0.00	2.10	1.95	1	29	3	99	0.00	0.0	8.102	0.049	0	0	0	2
PL.2502	PL.2503	C	4ACSR	14.87Y	123.9	0.01	2.11	0.99	1	15	2	99	0.00	0.0	8.370	0.268	0	0	0	1
439902	PL.2502	C	Consumer	14.87Y	123.9	0.00	2.11	0.99	0	15	2	99	0.00	0.0	8.370	0.000	15	2	1	1
439939	PL.2503	C	Consumer	14.87Y	123.9	0.00	2.10	0.97	0	14	2	99	0.00	0.0	8.102	0.000	14	2	1	1
439904	PL.2503	C	Consumer	14.87Y	123.9	0.00	2.10	0.00	0	0	0	100	0.00	0.0	8.102	0.000	0	0	0	0
439906	PL.14639	C	Consumer	14.87Y	123.9	0.00	2.10	0.16	0	2	0	100	0.00	0.0	7.985	0.000	2	0	1	1
PL.24282	PL.14639	C	4ACSR	14.87Y	123.9	0.02	2.12	10.82	6	160	18	99	0.02	0.0	8.070	0.085	0	0	0	28
439936	PL.24282	C	Consumer	14.87Y	123.9	0.00	2.12	0.61	0	9	1	99	0.00	0.0	8.070	0.000	9	1	1	1
PL.24285	PL.24282	C	4ACSR	14.86Y	123.9	0.01	2.13	9.53	5	141	16	99	0.02	0.0	8.142	0.073	0	0	0	23
PL.1220	PL.24285	C	4ACSR	14.86Y	123.9	0.00	2.14	8.82	5	130	14	99	0.00	0.0	8.164	0.021	0	0	0	22
PL.1219	PL.1220	C	4ACSR	14.86Y	123.9	0.00	2.14	8.82	5	130	14	99	0.00	0.0	8.166	0.002	0	0	0	22
439948	PL.1219	C	Consumer	14.86Y	123.9	0.00	2.14	0.43	0	6	1	99	0.00	0.0	8.166	0.000	6	1	1	1
PL.14638	PL.1219	C	4ACSR	14.86Y	123.9	0.01	2.15	8.40	4	124	14	99	0.01	0.0	8.234	0.068	0	0	0	21
439905	PL.14638	C	Consumer	14.86Y	123.9	0.00	2.15	0.29	0	4	0	100	0.00	0.0	8.234	0.000	4	0	1	1
PL.2677	PL.14638	C	4ACSR	14.86Y	123.9	0.00	2.15	0.17	0	3	0	100	0.00	0.0	8.347	0.113	0	0	0	1
PL.2506	PL.2677	C	4ACSR	14.86Y	123.9	0.00	2.15	0.00	0	0	0	100	0.00	0.0	8.526	0.178	0	0	0	0
PL.2507	PL.2677	C	4ACSR	14.86Y	123.9	0.00	2.15	0.17	0	3	0	100	0.00	0.0	8.393	0.046	0	0	0	1
439933	PL.2507	C	Consumer	14.86Y	123.9	0.00	2.15	0.17	0	3	0	100	0.00	0.0	8.393	0.000	3	0	1	1
439917	PL.2507	C	Consumer	14.86Y	123.9	0.00	2.15	0.00	0	0	0	100	0.00	0.0	8.393	0.000	0	0	0	0
439919	PL.2677	C	Consumer	14.86Y	123.9	0.00	2.15	0.00	0	0	0	100	0.00	0.0	8.347	0.000	0	0	0	0
439934	PL.2677	C	Consumer	14.86Y	123.9	0.00	2.15	0.00	0	0	0	100	0.00	0.0	8.347	0.000	0	0	0	0
PL.2678	PL.14638	C	4ACSR	14.86Y	123.8	0.00	2.15	1.88	1	28	3	99	0.00	0.0	8.289	0.055	0	0	0	5
PL.6459	PL.2678	C	4ACSR	14.86Y	123.8	0.00	2.15	1.88	1	28	3	99	0.00	0.0	8.378	0.090	0	0	0	5
PL.6460	PL.6459	C	4ACSR	14.86Y	123.8	0.00	2.16	0.68	0	10	1	100	0.00	0.0	8.455	0.077	0	0	0	2

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: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
448246	PL.6460	C	Consumer	14.86Y	123.8	0.00	2.16	0.00	0	0	0	100	0.00	0.0	8.455	0.000	0	0	1	1
448244	PL.6460	C	Consumer	14.86Y	123.8	0.00	2.16	0.68	0	10	1	100	0.00	0.0	8.455	0.000	10	1	1	1
448243	PL.6459	C	Consumer	14.86Y	123.8	0.00	2.15	0.77	0	11	1	100	0.00	0.0	8.378	0.000	11	1	1	1
PL.24058	PL.6459	C	4ACSR	14.86Y	123.8	0.00	2.16	0.43	0	6	1	99	0.00	0.0	8.419	0.041	0	0	0	2
448256	PL.24058	C	Consumer	14.86Y	123.8	0.00	2.16	0.41	0	6	1	99	0.00	0.0	8.419	0.000	6	1	1	1
4482079	PL.24058	C	Consumer	14.86Y	123.8	0.00	2.16	0.01	0	0	0	100	0.00	0.0	8.419	0.000	0	0	1	1
PL.14637	PL.14638	C	4ACSR	14.86Y	123.8	0.02	2.17	6.06	3	90	10	99	0.01	0.0	8.372	0.138	0	0	0	14
438907	PL.14637	C	Consumer	14.86Y	123.8	0.00	2.17	0.20	0	3	0	100	0.00	0.0	8.372	0.000	3	0	1	1
PL.45840	PL.14637	C	4ACSR	14.86Y	123.8	0.01	2.18	5.87	3	87	10	99	0.01	0.0	8.468	0.096	0	0	0	13
PL.45842	PL.45840	C	4ACSR	14.86Y	123.8	0.00	2.18	0.91	0	13	1	100	0.00	0.0	8.498	0.030	0	0	0	3
PL.2508	PL.45842	C	4ACSR	14.86Y	123.8	0.00	2.18	0.91	0	13	1	100	0.00	0.0	8.584	0.086	0	0	0	3
PL.2684	PL.2508	C	4ACSR	14.86Y	123.8	0.00	2.18	0.49	0	7	1	99	0.00	0.0	8.634	0.050	0	0	0	1
438940	PL.2684	C	Consumer	14.86Y	123.8	0.00	2.18	0.49	0	7	1	99	0.00	0.0	8.634	0.000	7	1	1	1
PL.45838	PL.2508	C	4ACSR	14.86Y	123.8	0.00	2.18	0.00	0	0	0	100	0.00	0.0	8.664	0.080	0	0	0	1
438917	PL.45838	C	Consumer	14.86Y	123.8	0.00	2.18	0.00	0	0	0	100	0.00	0.0	8.664	0.000	0	0	1	1
PL.45839	PL.45838	C	4ACSR	14.86Y	123.8	0.00	2.18	0.00	0	0	0	100	0.00	0.0	8.752	0.089	0	0	0	0
438914	PL.45839	C	Consumer	14.86Y	123.8	0.00	2.18	0.00	0	0	0	100	0.00	0.0	8.752	0.000	0	0	0	0
438906	PL.2508	C	Consumer	14.86Y	123.8	0.00	2.18	0.42	0	6	1	99	0.00	0.0	8.584	0.000	6	1	1	1
PL.45971	PL.45842	C	2ACSR	14.86Y	123.8	0.00	2.18	0.00	0	0	0	100	0.00	0.0	8.671	0.174	0	0	0	0
PL.45972	PL.45971	C	2ACSR	14.86Y	123.8	0.00	2.18	0.00	0	0	0	100	0.00	0.0	8.741	0.070	0	0	0	0
PL.45973	PL.45972	C	2ACSR	14.86Y	123.8	0.00	2.18	0.00	0	0	0	100	0.00	0.0	8.780	0.039	0	0	0	0
PL.45975	PL.45973	C	2ACSR	14.86Y	123.8	0.00	2.18	0.00	0	0	0	100	0.00	0.0	8.835	0.055	0	0	0	0
PL.45976	PL.45975	C	2ACSR	14.86Y	123.8	0.00	2.18	0.00	0	0	0	100	0.00	0.0	8.861	0.026	0	0	0	0
PL.45979	PL.45976	C	2ACSR	14.86Y	123.8	0.00	2.18	0.00	0	0	0	100	0.00	0.0	8.886	0.025	0	0	0	0
4389047	PL.45979	C	Consumer	14.86Y	123.8	0.00	2.18	0.00	0	0	0	100	0.00	0.0	8.886	0.000	0	0	0	0
4389046	PL.45979	C	Consumer	14.86Y	123.8	0.00	2.18	0.00	0	0	0	100	0.00	0.0	8.886	0.000	0	0	0	0
PL.45980	PL.45979	C	2ACSR	14.86Y	123.8	0.00	2.18	0.00	0	0	0	100	0.00	0.0	8.913	0.027	0	0	0	0
PL.45977	PL.45980	C	2ACSR	14.86Y	123.8	0.00	2.18	0.00	0	0	0	100	0.00	0.0	8.940	0.026	0	0	0	0
PL.45978	PL.45977	C	2ACSR	14.86Y	123.8	0.00	2.18	0.00	0	0	0	100	0.00	0.0	8.980	0.040	0	0	0	0
PL.45846	PL.45972	C	2ACSR	14.86Y	123.8	0.00	2.18	0.00	0	0	0	100	0.00	0.0	8.848	0.107	0	0	0	0
PL.45841	PL.45840	C	4ACSR	14.86Y	123.8	0.00	2.18	4.95	3	73	8	99	0.00	0.0	8.470	0.002	0	0	0	10
PL.6453	PL.45841	C	4ACSR	14.86Y	123.8	0.01	2.19	4.95	3	73	8	99	0.01	0.0	8.596	0.125	0	0	0	10
448232	PL.6453	C	Consumer	14.86Y	123.8	0.00	2.19	0.02	0	0	0	100	0.00	0.0	8.596	0.000	0	0	1	1
PL.14634	PL.6453	C	4ACSR	14.86Y	123.8	0.01	2.20	4.93	3	73	8	99	0.01	0.0	8.689	0.094	0	0	0	9
PL.24069	PL.14634	C	4ACSR	14.86Y	123.8	0.00	2.20	0.72	0	11	1	100	0.00	0.0	8.777	0.087	0	0	0	1
448234	PL.24069	C	Consumer	14.86Y	123.8	0.00	2.20	0.72	0	11	1	100	0.00	0.0	8.777	0.000	11	1	1	1
PL.14633	PL.14634	C	4ACSR	14.86Y	123.8	0.00	2.21	4.21	2	62	7	99	0.00	0.0	8.741	0.052	0	0	0	8
448201	PL.14633	C	Consumer	14.86Y	123.8	0.00	2.21	0.00	0	0	0	100	0.00	0.0	8.741	0.000	0	0	1	1

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

Unbalanced Voltage Drop Report
Source: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
448267	PL.14633	C	Consumer	14.86Y	123.8	0.00	2.21	0.48	0	7	1	99	0.00	0.0	8.741	0.000	7	1	1	1
PL.14632	PL.14633	C	4ACSR	14.85Y	123.8	0.01	2.22	3.74	2	55	6	99	0.00	0.0	8.883	0.142	0	0	0	6
PL.14631	PL.14632	C	4ACSR	14.85Y	123.8	0.01	2.22	3.44	2	51	6	99	0.00	0.0	8.985	0.102	0	0	0	5
PL.6454	PL.14631	C	4ACSR	14.85Y	123.8	0.00	2.23	0.79	0	12	1	100	0.00	0.0	9.093	0.108	0	0	0	1
PL.14630	PL.6454	C	4ACSR	14.85Y	123.8	0.00	2.23	0.79	0	12	1	100	0.00	0.0	9.118	0.024	0	0	0	1
PL.26713	PL.14630	C	4ACSR	14.85Y	123.8	0.00	2.23	0.00	0	0	0	100	0.00	0.0	9.146	0.028	0	0	0	0
PL.14628	PL.26713	C	4ACSR	14.85Y	123.8	0.00	2.23	0.00	0	0	0	100	0.00	0.0	9.221	0.075	0	0	0	0
448261	PL.14628	C	Consumer	14.85Y	123.8	0.00	2.23	0.00	0	0	0	100	0.00	0.0	9.221	0.000	0	0	0	0
PL.24048	PL.14630	C	4ACSR	14.85Y	123.8	0.00	2.23	0.79	0	12	1	100	0.00	0.0	9.231	0.113	0	0	0	1
448226	PL.24048	C	Consumer	14.85Y	123.8	0.00	2.23	0.79	0	12	1	100	0.00	0.0	9.231	0.000	12	1	1	1
PL.14629	PL.14630	C	4ACSR	14.85Y	123.8	0.00	2.23	0.00	0	0	0	100	0.00	0.0	9.162	0.044	0	0	0	0
PD.2660	PL.14629	C	50V4E	14.85Y	123.8	0.00	2.23	0.00	0	0	0	100	0.00	0.0	9.162	0.000	0	0	0	0
PL.30858	PD.2660	C	4ACSR	14.85Y	123.8	0.00	2.23	0.00	0	0	0	100	0.00	0.0	9.191	0.030	0	0	0	0
PD.393-B	PL.30858	C	Open	14.85Y	123.8	0.00	2.23	0.00	0	0	0	100	0.00	0.0	9.191	0.000	0	0	0	0
PL.2768	PL.14631	C	4ACSR	14.85Y	123.8	0.00	2.23	1.27	1	19	2	99	0.00	0.0	9.068	0.083	0	0	0	2
448230	PL.2768	C	Consumer	14.85Y	123.8	0.00	2.23	0.61	0	9	1	99	0.00	0.0	9.068	0.000	9	1	1	1
448233	PL.2768	C	Consumer	14.85Y	123.8	0.00	2.23	0.00	0	0	0	100	0.00	0.0	9.068	0.000	0	0	0	0
448240	PL.2768	C	Consumer	14.85Y	123.8	0.00	2.23	0.66	0	10	1	100	0.00	0.0	9.068	0.000	10	1	1	1
448202	PL.14631	C	Consumer	14.85Y	123.8	0.00	2.22	0.81	0	12	1	100	0.00	0.0	8.985	0.000	12	1	1	1
448205	PL.14631	C	Consumer	14.85Y	123.8	0.00	2.22	0.57	0	8	1	99	0.00	0.0	8.985	0.000	8	1	1	1
PL.24047	PL.14632	C	4ACSR	14.85Y	123.8	0.00	2.22	0.30	0	4	0	100	0.00	0.0	8.945	0.062	0	0	0	1
448223	PL.24047	C	Consumer	14.85Y	123.8	0.00	2.22	0.30	0	4	0	100	0.00	0.0	8.945	0.000	4	0	1	1
439947	PL.24285	C	Consumer	14.86Y	123.9	0.00	2.13	0.71	0	10	1	100	0.00	0.0	8.142	0.000	10	1	1	1
PL.2505	PL.24282	C	4ACSR	14.87Y	123.9	0.00	2.12	0.69	0	10	1	100	0.00	0.0	8.134	0.065	0	0	0	4
PL.2674	PL.2505	C	4ACSR	14.87Y	123.9	0.00	2.12	0.21	0	3	0	100	0.00	0.0	8.180	0.045	0	0	0	1
439943	PL.2674	C	Consumer	14.87Y	123.9	0.00	2.12	0.21	0	3	0	100	0.00	0.0	8.180	0.000	3	0	1	1
439928	PL.2505	C	Consumer	14.87Y	123.9	0.00	2.12	0.35	0	5	1	98	0.00	0.0	8.134	0.000	5	1	1	1
439918	PL.2505	C	Consumer	14.87Y	123.9	0.00	2.12	0.07	0	1	0	100	0.00	0.0	8.134	0.000	1	0	1	1
439916	PL.2505	C	Consumer	14.87Y	123.9	0.00	2.12	0.05	0	1	0	100	0.00	0.0	8.134	0.000	1	0	1	1
439938	PL.24750	C	Consumer	14.87Y	123.9	0.00	2.07	0.24	0	3	0	100	0.00	0.0	7.864	0.000	3	0	1	1
439910	PL.24750	C	Consumer	14.87Y	123.9	0.00	2.07	0.00	0	0	0	100	0.00	0.0	7.864	0.000	0	0	1	1
439907	PL.24750	C	Consumer	14.87Y	123.9	0.00	2.07	0.51	0	8	1	99	0.00	0.0	7.864	0.000	8	1	1	1
PL.19969	PL.97	C	4ACSR	14.87Y	123.9	0.00	2.05	13.30	7	197	22	99	0.01	0.0	7.827	0.016	0	0	0	44
PL.19970	PL.19969	C	4ACSR	14.87Y	123.9	0.00	2.06	12.76	7	189	21	99	0.01	0.0	7.841	0.014	0	0	0	42
439952	PL.19970	C	Consumer	14.87Y	123.9	0.00	2.06	0.09	0	1	1	71	0.00	0.0	7.841	0.000	1	1	1	1
439937	PL.19970	C	Consumer	14.87Y	123.9	0.00	2.06	0.08	0	1	1	71	0.00	0.0	7.841	0.000	1	1	1	1
PL.14645	PL.19970	C	4ACSR	14.87Y	123.9	0.00	2.06	11.42	6	169	18	99	0.00	0.0	7.856	0.015	0	0	0	37
PD.2652	PL.14645	C	25V4E	14.87Y	123.9	0.00	2.06	11.42	46	169	18	99	0.00	0.0	7.856	0.000	0	0	0	37

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: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.14646	PD.2652	C	4ACSR	14.87Y	123.9	0.00	2.06	11.42	6	169	18	99	0.00	0.0	7.863	0.007	0	0	0	37
439909	PL.14646	C	Consumer	14.87Y	123.9	0.00	2.06	0.31	0	5	1	98	0.00	0.0	7.863	0.000	5	1	1	1
439911	PL.14646	C	Consumer	14.87Y	123.9	0.00	2.06	0.19	0	3	0	100	0.00	0.0	7.863	0.000	3	0	1	1
PL.14642	PL.14646	C	4ACSR	14.87Y	123.9	0.00	2.07	10.92	6	161	17	99	0.00	0.0	7.880	0.017	0	0	0	35
PL.23542	PL.14642	C	4ACSR	14.87Y	123.9	0.00	2.07	1.59	1	24	3	99	0.00	0.0	7.927	0.047	0	0	0	6
439924	PL.23542	C	Consumer	14.87Y	123.9	0.00	2.07	0.62	0	9	1	99	0.00	0.0	7.927	0.000	9	1	1	1
439913	PL.23542	C	Consumer	14.87Y	123.9	0.00	2.07	0.17	0	3	0	100	0.00	0.0	7.927	0.000	3	0	1	1
PL.24748	PL.23542	C	4ACSR	14.87Y	123.9	0.00	2.07	0.81	0	12	1	100	0.00	0.0	7.945	0.018	0	0	0	4
PL.24749	PL.24748	C	4ACSR	14.87Y	123.9	0.00	2.07	0.59	0	9	1	99	0.00	0.0	7.979	0.034	0	0	0	2
439923	PL.24749	C	Consumer	14.87Y	123.9	0.00	2.07	0.21	0	3	0	100	0.00	0.0	7.979	0.000	3	0	1	1
010912	PL.24749	C	Consumer	14.87Y	123.9	0.00	2.07	0.00	0	0	0	100	0.00	0.0	7.979	0.000	0	0	0	0
439922	PL.24749	C	Consumer	14.87Y	123.9	0.00	2.07	0.38	0	6	1	99	0.00	0.0	7.979	0.000	6	1	1	1
439926	PL.24748	C	Consumer	14.87Y	123.9	0.00	2.07	0.10	0	1	0	100	0.00	0.0	7.945	0.000	1	0	1	1
439927	PL.24748	C	Consumer	14.87Y	123.9	0.00	2.07	0.12	0	2	0	100	0.00	0.0	7.945	0.000	2	0	1	1
PL.14641	PL.14642	C	4ACSR	14.87Y	123.9	0.01	2.07	5.79	3	86	9	99	0.00	0.0	7.937	0.057	0	0	0	19
PL.14643	PL.14641	C	4ACSR	14.87Y	123.9	0.01	2.08	5.79	3	86	9	99	0.01	0.0	8.014	0.078	0	0	0	19
PL.14644	PL.14643	C	4ACSR	14.87Y	123.9	0.01	2.10	4.13	2	61	7	99	0.01	0.0	8.144	0.130	0	0	0	12
PL.1116	PL.14644	C	4ACSR	14.87Y	123.9	0.00	2.10	0.41	0	6	1	99	0.00	0.0	8.189	0.045	0	0	0	1
010919	PL.1116	C	Consumer	14.87Y	123.9	0.00	2.10	0.41	0	6	1	99	0.00	0.0	8.189	0.000	6	1	1	1
PL.515	PL.14644	C	4ACSR	14.87Y	123.9	0.00	2.10	2.15	1	32	4	99	0.00	0.0	8.182	0.039	0	0	0	7
PL.23539	PL.515	C	4ACSR	14.87Y	123.9	0.00	2.10	2.15	1	32	4	99	0.00	0.0	8.212	0.030	0	0	0	7
PL.23540	PL.23539	C	4ACSR	14.87Y	123.9	0.00	2.10	0.49	0	7	1	99	0.00	0.0	8.238	0.026	0	0	0	2
439915	PL.23540	C	Consumer	14.87Y	123.9	0.00	2.10	0.28	0	4	0	100	0.00	0.0	8.238	0.000	4	0	1	1
439951	PL.23540	C	Consumer	14.87Y	123.9	0.00	2.10	0.21	0	3	0	100	0.00	0.0	8.238	0.000	3	0	1	1
439920	PL.23539	C	Consumer	14.87Y	123.9	0.00	2.10	0.44	0	7	1	99	0.00	0.0	8.212	0.000	7	1	1	1
439921	PL.23539	C	Consumer	14.87Y	123.9	0.00	2.10	0.89	0	13	1	100	0.00	0.0	8.212	0.000	13	1	1	1
439914	PL.23539	C	Consumer	14.87Y	123.9	0.00	2.10	0.16	0	2	0	100	0.00	0.0	8.212	0.000	2	0	1	1
439932	PL.23539	C	Consumer	14.87Y	123.9	0.00	2.10	0.14	0	2	0	100	0.00	0.0	8.212	0.000	2	0	1	1
439935	PL.23539	C	Consumer	14.87Y	123.9	0.00	2.10	0.03	0	1	0	100	0.00	0.0	8.212	0.000	1	0	1	1
010910	PL.14644	C	Consumer	14.87Y	123.9	0.00	2.10	0.77	0	11	1	100	0.00	0.0	8.144	0.000	11	1	1	1
010908	PL.14644	C	Consumer	14.87Y	123.9	0.00	2.10	0.29	0	4	0	100	0.00	0.0	8.144	0.000	4	0	1	1
010911	PL.14644	C	Consumer	14.87Y	123.9	0.00	2.10	0.03	0	0	0	100	0.00	0.0	8.144	0.000	0	0	1	1
PL.40439	PL.14644	C	4ACSR	14.87Y	123.9	0.00	2.10	0.47	0	7	1	99	0.00	0.0	8.202	0.059	0	0	0	1
PL.40440	PL.40439	C	4ACSR	14.87Y	123.9	0.00	2.10	0.00	0	0	0	100	0.00	0.0	8.244	0.041	0	0	0	0
010913	PL.40440	C	Consumer	14.87Y	123.9	0.00	2.10	0.00	0	0	0	100	0.00	0.0	8.244	0.000	0	0	0	0
PL.40438	PL.40439	C	4ACSR	14.87Y	123.9	0.00	2.10	0.47	0	7	1	99	0.00	0.0	8.257	0.055	0	0	0	1
0109020	PL.40438	C	Consumer	14.87Y	123.9	0.00	2.10	0.47	0	7	1	99	0.00	0.0	8.257	0.000	7	1	1	1
PL.586	PL.14643	C	4ACSR	14.87Y	123.9	0.00	2.09	1.30	1	19	2	99	0.00	0.0	8.063	0.049	0	0	0	5

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Unbalanced Voltage Drop Report
Source: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.587	PL.586	C	4ACSR	14.87Y	123.9	0.00	2.09	0.32	0	5	1	98	0.00	0.0	8.140	0.077	0	0	0	1
010907	PL.587	C	Consumer	14.87Y	123.9	0.00	2.09	0.32	0	5	1	98	0.00	0.0	8.140	0.000	5	1	1	1
PL.514	PL.586	C	4ACSR	14.87Y	123.9	0.00	2.09	0.72	0	11	1	100	0.00	0.0	8.239	0.176	0	0	0	3
010904	PL.514	C	Consumer	14.87Y	123.9	0.00	2.09	0.13	0	2	0	100	0.00	0.0	8.239	0.000	2	0	1	1
010903	PL.514	C	Consumer	14.87Y	123.9	0.00	2.09	0.19	0	3	0	100	0.00	0.0	8.239	0.000	3	0	1	1
010915	PL.514	C	Consumer	14.87Y	123.9	0.00	2.09	0.40	0	6	1	99	0.00	0.0	8.239	0.000	6	1	1	1
PL.594	PL.514	C	4ACSR	14.87Y	123.9	0.00	2.09	0.00	0	0	0	100	0.00	0.0	8.325	0.086	0	0	0	0
0109021	PL.594	C	Consumer	14.87Y	123.9	0.00	2.09	0.00	0	0	0	100	0.00	0.0	8.325	0.000	0	0	0	0
010916	PL.594	C	Consumer	14.87Y	123.9	0.00	2.09	0.00	0	0	0	100	0.00	0.0	8.325	0.000	0	0	0	0
010902	PL.586	C	Consumer	14.87Y	123.9	0.00	2.09	0.25	0	4	0	100	0.00	0.0	8.063	0.000	4	0	1	1
PL.588	PL.14643	C	4ACSR	14.87Y	123.9	0.00	2.08	0.15	0	2	0	100	0.00	0.0	8.055	0.041	0	0	0	1
010909	PL.588	C	Consumer	14.87Y	123.9	0.00	2.08	0.15	0	2	0	100	0.00	0.0	8.055	0.000	2	0	1	1
010918	PL.14643	C	Consumer	14.87Y	123.9	0.00	2.08	0.22	0	3	0	100	0.00	0.0	8.014	0.000	3	0	1	1
PL.23541	PL.14642	C	4ACSR	14.87Y	123.9	0.01	2.07	3.42	2	51	5	100	0.00	0.0	7.966	0.086	0	0	0	9
PL.28992	PL.23541	C	4ACSR	14.87Y	123.9	0.00	2.08	3.42	2	51	5	100	0.00	0.0	7.988	0.023	0	0	0	9
PL.28993	PL.28992	C	4ACSR	14.87Y	123.9	0.00	2.08	3.42	2	51	5	100	0.00	0.0	7.988	0.000	0	0	0	9
449223	PL.28993	C	Consumer	14.87Y	123.9	0.00	2.08	0.47	0	7	1	99	0.00	0.0	7.988	0.000	7	1	1	1
449211	PL.28993	C	Consumer	14.87Y	123.9	0.00	2.08	0.43	0	6	1	99	0.00	0.0	7.988	0.000	6	1	1	1
449216	PL.28993	C	Consumer	14.87Y	123.9	0.00	2.08	0.12	0	2	0	100	0.00	0.0	7.988	0.000	2	0	1	1
449210	PL.28993	C	Consumer	14.87Y	123.9	0.00	2.08	0.26	0	4	0	100	0.00	0.0	7.988	0.000	4	0	1	1
PL.29055	PL.28993	C	4ACSR	14.87Y	123.9	0.00	2.08	1.72	1	25	2	100	0.00	0.0	8.043	0.055	0	0	0	4
PL.29056	PL.29055	C	4ACSR	14.87Y	123.9	0.00	2.08	0.87	0	13	1	100	0.00	0.0	8.043	0.000	0	0	0	3
PL.1857	PL.29056	C	4ACSR	14.87Y	123.9	0.00	2.08	0.87	0	13	1	100	0.00	0.0	8.167	0.125	0	0	0	3
020218	PL.1857	C	Consumer	14.87Y	123.9	0.00	2.08	0.21	0	3	0	100	0.00	0.0	8.167	0.000	3	0	1	1
020216	PL.1857	C	Consumer	14.87Y	123.9	0.00	2.08	0.07	0	1	0	100	0.00	0.0	8.167	0.000	1	0	1	1
PL.41688	PL.1857	C	4ACSR	14.87Y	123.9	0.00	2.08	0.58	0	9	0	100	0.00	0.0	8.211	0.043	0	0	0	1
PL.41687	PL.41688	C	2ACSR	14.87Y	123.9	-0.00	2.08	-0.06	0	0	-1	0	0.00	0.0	8.341	0.130	0	0	0	0
PL.45156	PL.41687	C	2ACSR	14.87Y	123.9	-0.00	2.08	-0.06	0	0	-1	0	0.00	0.0	8.612	0.271	0	0	0	0
PL.45834	PL.45156	C	1/0EPRJCN	14.87Y	123.9	-0.00	2.08	-0.06	0	0	-1	0	0.00	0.0	8.660	0.048	0	0	0	0
0119001	PL.45834	C	Consumer	14.87Y	123.9	0.00	2.08	0.00	0	0	0	100	0.00	0.0	8.660	0.000	0	0	0	0
0109022	PL.45156	C	Consumer	14.87Y	123.9	0.00	2.08	0.00	0	0	0	100	0.00	0.0	8.612	0.000	0	0	0	0
0202026	PL.41687	C	Consumer	14.87Y	123.9	0.00	2.08	0.00	0	0	0	100	0.00	0.0	8.341	0.000	0	0	0	0
PL.41689	PL.41688	C	4ACSR	14.87Y	123.9	0.00	2.08	0.59	0	9	1	99	0.00	0.0	8.273	0.062	0	0	0	1
010906	PL.41689	C	Consumer	14.87Y	123.9	0.00	2.08	0.59	0	9	1	99	0.00	0.0	8.273	0.000	9	1	1	1
020217	PL.29055	C	Consumer	14.87Y	123.9	0.00	2.08	0.85	0	13	1	100	0.00	0.0	8.043	0.000	13	1	1	1
PL.24053	PL.28993	C	4ACSR	14.87Y	123.9	0.00	2.08	0.43	0	6	1	99	0.00	0.0	8.015	0.027	0	0	0	1
PL.23543	PL.24053	C	4ACSR	14.87Y	123.9	0.00	2.08	0.43	0	6	1	99	0.00	0.0	8.053	0.038	0	0	0	1
439930	PL.23543	C	Consumer	14.87Y	123.9	0.00	2.08	0.43	0	6	1	99	0.00	0.0	8.053	0.000	6	1	1	1

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Unbalanced Voltage Drop Report
Source: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
439931	PL.14642	C	Consumer	14.87Y	123.9	0.00	2.07	0.11	0	2	0	100	0.00	0.0	7.880	0.000	2	0	1	1
PL.31028	PL.19970	C	4ACSR	14.87Y	123.9	0.00	2.06	1.18	1	17	2	99	0.00	0.0	7.883	0.042	0	0	0	3
4399053	PL.31028	C	Consumer	14.87Y	123.9	0.00	2.06	0.59	0	9	1	99	0.00	0.0	7.883	0.000	9	1	1	1
4399054	PL.31028	C	Consumer	14.87Y	123.9	0.00	2.06	0.57	0	8	1	99	0.00	0.0	7.883	0.000	8	1	1	1
439940	PL.31028	C	Consumer	14.87Y	123.9	0.00	2.06	0.02	0	0	0	100	0.00	0.0	7.883	0.000	0	0	1	1
439949	PL.19969	C	Consumer	14.87Y	123.9	0.00	2.05	0.37	0	5	1	98	0.00	0.0	7.827	0.000	5	1	1	1
439942	PL.19969	C	Consumer	14.87Y	123.9	0.00	2.05	0.16	0	2	0	100	0.00	0.0	7.827	0.000	2	0	1	1
PL.6722	PL.97	C	4ACSR	14.87Y	123.9	0.00	2.05	0.68	0	10	1	100	0.00	0.0	7.843	0.033	0	0	0	5
439944	PL.6722	C	Consumer	14.87Y	123.9	0.00	2.05	0.16	0	2	0	100	0.00	0.0	7.843	0.000	2	0	1	1
PL.6723	PL.6722	C	4ACSR	14.87Y	123.9	0.00	2.05	0.52	0	8	1	99	0.00	0.0	7.875	0.032	0	0	0	4
439945	PL.6723	C	Consumer	14.87Y	123.9	0.00	2.05	0.10	0	2	0	100	0.00	0.0	7.875	0.000	2	0	1	1
PL.2676	PL.6723	C	4ACSR	14.87Y	123.9	0.00	2.05	0.41	0	6	1	99	0.00	0.0	7.926	0.051	0	0	0	3
PL.6461	PL.2676	C	4ACSR	14.87Y	123.9	0.00	2.05	0.41	0	6	1	99	0.00	0.0	7.954	0.028	0	0	0	3
PL.6462	PL.6461	C	4ACSR	14.87Y	123.9	0.00	2.05	0.21	0	3	0	100	0.00	0.0	8.016	0.063	0	0	0	2
449242	PL.6462	C	Consumer	14.87Y	123.9	0.00	2.05	0.11	0	2	0	100	0.00	0.0	8.016	0.000	2	0	1	1
PL.6463	PL.6462	C	4ACSR	14.87Y	123.9	0.00	2.05	0.11	0	2	0	100	0.00	0.0	8.132	0.116	0	0	0	1
PL.24066	PL.6463	C	4ACSR	14.87Y	123.9	0.00	2.05	0.11	0	2	0	100	0.00	0.0	8.185	0.053	0	0	0	1
449247	PL.24066	C	Consumer	14.87Y	123.9	0.00	2.05	0.11	0	2	0	100	0.00	0.0	8.185	0.000	2	0	1	1
449237	PL.6461	C	Consumer	14.87Y	123.9	0.00	2.05	0.20	0	3	0	100	0.00	0.0	7.954	0.000	3	0	1	1
449232	PL.26422	C	Consumer	14.90Y	124.1	0.00	1.87	0.00	0	0	0	100	0.00	0.0	7.514	0.000	0	0	0	0
449207	PL.26422	C	Consumer	14.90Y	124.1	0.00	1.87	0.11	0	2	0	100	0.00	0.0	7.514	0.000	2	0	1	1
4492057	PL.26424	C	Consumer	14.90Y	124.2	0.00	1.84	0.00	0	0	0	100	0.00	0.0	7.473	0.000	0	0	0	0
449227	PL.26424	C	Consumer	14.90Y	124.2	0.00	1.84	0.19	0	3	0	100	0.00	0.0	7.473	0.000	3	0	1	1
449235	PL.26424	C	Consumer	14.90Y	124.2	0.00	1.84	0.41	0	6	1	99	0.00	0.0	7.473	0.000	6	1	1	1
449201	PL.26424	C	Consumer	14.90Y	124.2	0.00	1.84	0.10	0	2	0	100	0.00	0.0	7.473	0.000	2	0	1	1
PL.40931	PL.14916	C	4ACSR	14.91Y	124.2	0.00	1.79	0.56	0	8	1	99	0.00	0.0	7.398	0.009	0	0	0	1
PD.7295	PL.40931	C	fuse6AMP	14.91Y	124.2	0.00	1.79	0.56	9	8	1	99	0.00	0.0	7.398	0.000	0	0	0	1
PL.40932	PD.7295	C	4ACSR	14.91Y	124.2	0.00	1.79	0.56	0	8	1	99	0.00	0.0	7.477	0.078	0	0	0	1
449255	PL.40932	C	Consumer	14.91Y	124.2	0.00	1.79	0.56	0	8	1	99	0.00	0.0	7.477	0.000	8	1	1	1
PL.40933	PL.14916	C	2ACSR	14.91Y	124.2	0.00	1.79	0.20	0	3	0	100	0.00	0.0	7.408	0.018	0	0	0	1
PD.7296	PL.40933	C	fuse6AMP	14.91Y	124.2	0.00	1.79	0.20	3	3	0	100	0.00	0.0	7.408	0.000	0	0	0	1
PL.40934	PD.7296	C	2ACSR	14.91Y	124.2	0.00	1.79	0.20	0	3	0	100	0.00	0.0	7.587	0.179	0	0	0	1
4492063	PL.40934	C	Consumer	14.91Y	124.2	0.00	1.79	0.20	0	3	0	100	0.00	0.0	7.587	0.000	3	0	1	1
4492059	PL.14917	C	Consumer	14.91Y	124.3	0.00	1.72	0.56	0	8	1	99	0.00	0.0	7.291	0.000	8	1	1	1
PL.26423	PL.26772	C	4ACSR	14.92Y	124.3	0.00	1.70	0.00	0	0	0	100	0.00	0.0	7.269	0.000	0	0	0	0
PL.1860	PL.14919	C	4ACSR	14.92Y	124.4	0.00	1.64	0.48	0	7	1	99	0.00	0.0	7.331	0.147	0	0	0	1
020215	PL.1860	C	Consumer	14.92Y	124.4	0.00	1.64	0.48	0	7	1	99	0.00	0.0	7.331	0.000	7	1	1	1
020208	PL.6215	C	Consumer	14.93Y	124.4	0.00	1.59	0.49	0	7	1	99	0.00	0.0	7.113	0.000	7	1	1	1

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Unbalanced Voltage Drop Report
Source: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.1880	PL.14923	C	4ACSR	14.94Y	124.5	0.00	1.51	0.48	0	7	1	99	0.00	0.0	7.079	0.073	0	0	0	1
020224	PL.1880	C	Consumer	14.94Y	124.5	0.00	1.51	0.48	0	7	1	99	0.00	0.0	7.079	0.000	7	1	1	1
020212	PL.6208	C	Consumer	14.98Y	124.8	0.00	1.16	0.29	0	4	0	100	0.00	0.0	6.556	0.000	4	0	1	1
020203	PL.14927	C	Consumer	14.99Y	124.9	0.00	1.12	0.18	0	3	0	100	0.00	0.0	6.507	0.000	3	0	1	1
020207	PL.14927	C	Consumer	14.99Y	124.9	0.00	1.12	0.18	0	3	0	100	0.00	0.0	6.507	0.000	3	0	1	1
0202025	PL.33005	C	Consumer	14.99Y	124.9	0.00	1.06	1.10	0	16	2	99	0.00	0.0	6.384	0.000	16	2	1	1
PL.1878	PL.14934	C	4ACSR	15.00Y	125.0	0.00	1.04	0.12	0	2	0	100	0.00	0.0	6.326	0.032	0	0	0	1
020332	PL.1878	C	Consumer	15.00Y	125.0	0.00	1.04	0.12	0	2	0	100	0.00	0.0	6.326	0.000	2	0	1	1
PL.1233	PL.14931	C	4ACSR	15.00Y	125.0	0.00	1.03	0.51	0	8	1	99	0.00	0.0	6.239	0.041	0	0	0	1
021246	PL.1233	C	Consumer	15.00Y	125.0	0.00	1.03	0.51	0	8	1	99	0.00	0.0	6.239	0.000	8	1	1	1
PL.14932	PL.14937	B	336ACSR	14.87Y	123.9	0.00	2.07	20.43	3	302	29	100	0.00	0.0	6.147	0.010	0	0	0	63
PD.3384	PL.14932	B	50V4E	14.87Y	123.9	0.00	2.07	20.43	41	302	29	100	0.00	0.0	6.147	0.000	0	0	0	63
PL.14933	PD.3384	B	336ACSR	14.87Y	123.9	0.00	2.07	20.43	3	302	29	100	0.01	0.0	6.186	0.039	0	0	0	63
PL.23264	PL.14933	B	4ACSR	14.87Y	123.9	0.00	2.07	0.20	0	3	0	100	0.00	0.0	6.194	0.008	0	0	0	1
PD.3480	PL.23264	B	fuse6AMP	14.87Y	123.9	0.00	2.07	0.20	3	3	0	100	0.00	0.0	6.194	0.000	0	0	0	1
PL.23035	PD.3480	B	4ACSR	14.87Y	123.9	0.00	2.07	0.20	0	3	0	100	0.00	0.0	6.220	0.026	0	0	0	1
021217	PL.23035	B	Consumer	14.87Y	123.9	0.00	2.07	0.00	0	0	0	100	0.00	0.0	6.220	0.000	0	0	0	0
021216	PL.23035	B	Consumer	14.87Y	123.9	0.00	2.07	0.20	0	3	0	100	0.00	0.0	6.220	0.000	3	0	1	1
PL.14936	PL.14933	B	336ACSR	14.87Y	123.9	0.01	2.08	20.23	3	299	29	100	0.02	0.0	6.309	0.123	0	0	0	62
PL.34992	PL.14936	B	2ACSR	14.87Y	123.9	0.00	2.08	0.13	0	2	0	100	0.00	0.0	6.347	0.038	0	0	0	1
0212049	PL.34992	B	Consumer	14.87Y	123.9	0.00	2.08	0.13	0	2	0	100	0.00	0.0	6.347	0.000	2	0	1	1
PL.19312	PL.14936	B	336ACSR	14.87Y	123.9	0.00	2.09	19.09	3	283	27	100	0.00	0.0	6.331	0.022	0	0	0	59
021219	PL.19312	B	Consumer	14.87Y	123.9	0.00	2.09	0.17	0	3	0	100	0.00	0.0	6.331	0.000	3	0	1	1
021213	PL.19312	B	Consumer	14.87Y	123.9	0.00	2.09	0.00	0	0	0	100	0.00	0.0	6.331	0.000	0	0	0	0
021230	PL.19312	B	Consumer	14.87Y	123.9	0.00	2.09	0.00	0	0	0	100	0.00	0.0	6.331	0.000	0	0	1	1
PL.19313	PL.19312	B	336ACSR	14.87Y	123.9	0.01	2.10	18.92	3	280	27	100	0.02	0.0	6.440	0.109	0	0	0	57
PL.82	PL.19313	B	4ACSR	14.86Y	123.9	0.05	2.15	18.44	10	273	26	100	0.12	0.0	6.582	0.142	0	0	0	55
PL.14942	PL.82	B	4ACSR	14.86Y	123.8	0.00	2.15	2.22	1	33	4	99	0.00	0.0	6.675	0.093	0	0	0	8
PL.1870	PL.14942	B	4ACSR	14.86Y	123.8	0.00	2.16	1.28	1	19	2	99	0.00	0.0	6.742	0.067	0	0	0	2
021245	PL.1870	B	Consumer	14.86Y	123.8	0.00	2.16	0.47	0	7	1	99	0.00	0.0	6.742	0.000	7	1	1	1
021241	PL.1870	B	Consumer	14.86Y	123.8	0.00	2.16	0.81	0	12	1	100	0.00	0.0	6.742	0.000	12	1	1	1
PL.14511	PL.14942	B	4ACSR	14.86Y	123.8	0.00	2.16	0.94	0	14	2	99	0.00	0.0	6.733	0.058	0	0	0	6
PL.1792	PL.14511	B	4ACSR	14.86Y	123.8	0.00	2.16	0.00	0	0	0	100	0.00	0.0	6.823	0.090	0	0	0	1
021202	PL.1792	B	Consumer	14.86Y	123.8	0.00	2.16	0.00	0	0	0	100	0.00	0.0	6.823	0.000	0	0	1	1
021203	PL.14511	B	Consumer	14.86Y	123.8	0.00	2.16	0.15	0	2	0	100	0.00	0.0	6.733	0.000	2	0	1	1
PL.14512	PL.14511	B	4ACSR	14.86Y	123.8	0.00	2.16	0.78	0	12	1	100	0.00	0.0	6.823	0.091	0	0	0	4
PL.14513	PL.14512	B	4ACSR	14.86Y	123.8	0.00	2.16	0.62	0	9	1	99	0.00	0.0	6.853	0.029	0	0	0	3
PL.29053	PL.14513	B	4ACSR	14.86Y	123.8	0.00	2.16	0.53	0	8	1	99	0.00	0.0	6.944	0.091	0	0	0	2

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Unbalanced Voltage Drop Report
Source: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
021226	PL.29053	B	Consumer	14.86Y	123.8	0.00	2.16	0.30	0	4	0	100	0.00	0.0	6.944	0.000	4	0	1	1
PL.29054	PL.29053	B	4ACSR	14.86Y	123.8	0.00	2.16	0.22	0	3	0	100	0.00	0.0	6.987	0.044	0	0	0	1
021211	PL.29054	B	Consumer	14.86Y	123.8	0.00	2.16	0.00	0	0	0	100	0.00	0.0	6.987	0.000	0	0	0	0
PL.19029	PL.29054	B	4ACSR	14.86Y	123.8	0.00	2.16	0.22	0	3	0	100	0.00	0.0	7.084	0.097	0	0	0	1
021221	PL.19029	B	Consumer	14.86Y	123.8	0.00	2.16	0.22	0	3	0	100	0.00	0.0	7.084	0.000	3	0	1	1
PL.1793	PL.14513	B	4ACSR	14.86Y	123.8	0.00	2.16	0.10	0	1	0	100	0.00	0.0	6.901	0.048	0	0	0	1
PL.1791	PL.1793	B	4ACSR	14.86Y	123.8	0.00	2.16	0.10	0	1	0	100	0.00	0.0	7.014	0.113	0	0	0	1
021220	PL.1791	B	Consumer	14.86Y	123.8	0.00	2.16	0.10	0	1	0	100	0.00	0.0	7.014	0.000	1	0	1	1
PL.1794	PL.14513	B	4ACSR	14.86Y	123.8	0.00	2.16	0.00	0	0	0	100	0.00	0.0	6.875	0.022	0	0	0	0
021223	PL.14512	B	Consumer	14.86Y	123.8	0.00	2.16	0.00	0	0	0	100	0.00	0.0	6.823	0.000	0	0	0	0
021212	PL.14512	B	Consumer	14.86Y	123.8	0.00	2.16	0.16	0	2	0	100	0.00	0.0	6.823	0.000	2	0	1	1
PL.14509	PL.82	B	4ACSR	14.86Y	123.8	0.02	2.17	16.22	8	240	22	100	0.04	0.0	6.643	0.061	0	0	0	47
PL.6204	PL.14509	B	4ACSR	14.86Y	123.8	0.00	2.17	0.48	0	7	1	99	0.00	0.0	6.682	0.039	0	0	0	2
021210	PL.6204	B	Consumer	14.86Y	123.8	0.00	2.17	0.08	0	1	0	100	0.00	0.0	6.682	0.000	1	0	1	1
PL.6217	PL.6204	B	4ACSR	14.86Y	123.8	0.00	2.17	0.40	0	6	1	99	0.00	0.0	6.728	0.047	0	0	0	1
PL.6218	PL.6217	B	4ACSR	14.86Y	123.8	0.00	2.17	0.00	0	0	0	100	0.00	0.0	6.729	0.001	0	0	0	0
021232	PL.6217	B	Consumer	14.86Y	123.8	0.00	2.17	0.40	0	6	1	99	0.00	0.0	6.728	0.000	6	1	1	1
PL.14510	PL.14509	B	4ACSR	14.86Y	123.8	0.02	2.19	15.73	8	233	21	100	0.03	0.0	6.689	0.046	0	0	0	45
PL.1238	PL.14510	B	4ACSR	14.86Y	123.8	0.00	2.19	0.00	0	0	0	100	0.00	0.0	6.747	0.057	0	0	0	1
021248	PL.1238	B	Consumer	14.86Y	123.8	0.00	2.19	0.00	0	0	0	100	0.00	0.0	6.747	0.000	0	0	1	1
PL.14976	PL.14510	B	4ACSR	14.86Y	123.8	0.02	2.21	15.73	8	233	21	100	0.04	0.0	6.750	0.060	0	0	0	44
PL.14975	PL.14976	B	4ACSR	14.85Y	123.8	0.03	2.24	15.06	8	223	20	100	0.06	0.0	6.855	0.105	0	0	0	42
021206	PL.14975	B	Consumer	14.85Y	123.8	0.00	2.24	0.19	0	3	0	100	0.00	0.0	6.855	0.000	3	0	1	1
PL.14514	PL.14975	B	4ACSR	14.85Y	123.7	0.04	2.28	14.88	8	220	20	100	0.06	0.0	6.975	0.120	0	0	0	41
PL.23776	PL.14514	B	4ACSR	14.85Y	123.7	0.00	2.28	0.06	0	1	0	100	0.00	0.0	7.029	0.054	0	0	0	2
021242	PL.23776	B	Consumer	14.85Y	123.7	0.00	2.28	0.06	0	1	0	100	0.00	0.0	7.029	0.000	1	0	1	1
021238	PL.23776	B	Consumer	14.85Y	123.7	0.00	2.28	0.00	0	0	0	100	0.00	0.0	7.029	0.000	0	0	1	1
021228	PL.14514	B	Consumer	14.85Y	123.7	0.00	2.28	0.42	0	6	1	99	0.00	0.0	6.975	0.000	6	1	1	1
PL.19068	PL.14514	B	4ACSR	14.85Y	123.7	0.01	2.29	13.82	7	204	18	100	0.02	0.0	7.011	0.036	0	0	0	37
PL.19067	PL.19068	B	4ACSR	14.85Y	123.7	0.00	2.29	13.53	7	200	18	100	0.00	0.0	7.017	0.007	0	0	0	36
PL.19066	PL.19067	B	4ACSR	14.84Y	123.7	0.02	2.30	12.62	7	187	16	100	0.02	0.0	7.076	0.059	0	0	0	34
021233	PL.19066	B	Consumer	14.84Y	123.7	0.00	2.30	0.17	0	3	0	100	0.00	0.0	7.076	0.000	3	0	1	1
021244	PL.19066	B	Consumer	14.84Y	123.7	0.00	2.30	0.05	0	1	0	100	0.00	0.0	7.076	0.000	1	0	1	1
021240	PL.19066	B	Consumer	14.84Y	123.7	0.00	2.30	0.00	0	0	0	100	0.00	0.0	7.076	0.000	0	0	0	0
021239	PL.19066	B	Consumer	14.84Y	123.7	0.00	2.30	0.21	0	3	0	100	0.00	0.0	7.076	0.000	3	0	1	1
021231	PL.19066	B	Consumer	14.84Y	123.7	0.00	2.30	0.33	0	5	1	98	0.00	0.0	7.076	0.000	5	1	1	1
PL.14977	PL.19066	B	4ACSR	14.84Y	123.7	0.00	2.31	11.86	6	175	15	100	0.01	0.0	7.091	0.015	0	0	0	30
PD.210-A	PL.14977	B	Closed	14.84Y	123.7	0.00	2.31	11.86	0	175	15	100	0.00	0.0	7.091	0.000	0	0	0	30

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Unbalanced Voltage Drop Report
Source: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.210-B	PD.210-A	B	Closed	14.84Y	123.7	0.00	2.31	11.86	0	175	15	100	0.00	0.0	7.091	0.000	0	0	0	30
PL.14979	PD.210-B	B	4ACSR	14.84Y	123.7	0.02	2.33	11.86	6	175	15	100	0.02	0.0	7.164	0.073	0	0	0	30
PL.14981	PL.14979	B	4ACSR	14.84Y	123.7	0.00	2.33	0.99	1	15	2	99	0.00	0.0	7.178	0.014	0	0	0	2
PD.2585	PL.14981	B	fuse6AMP	14.84Y	123.7	0.00	2.33	0.99	17	15	2	99	0.00	0.0	7.178	0.000	0	0	0	2
PL.14982	PD.2585	B	4ACSR	14.84Y	123.7	0.00	2.33	0.99	1	15	2	99	0.00	0.0	7.239	0.062	0	0	0	2
022204	PL.14982	B	Consumer	14.84Y	123.7	0.00	2.33	0.27	0	4	0	100	0.00	0.0	7.239	0.000	4	0	1	1
022214	PL.14982	B	Consumer	14.84Y	123.7	0.00	2.33	0.72	0	11	1	100	0.00	0.0	7.239	0.000	11	1	1	1
PL.14980	PL.14979	B	4ACSR	14.84Y	123.7	0.00	2.33	10.55	5	156	13	100	0.00	0.0	7.164	0.001	0	0	0	27
PL.14978	PL.14980	B	4ACSR	14.84Y	123.7	0.01	2.34	10.55	5	156	13	100	0.01	0.0	7.215	0.051	0	0	0	27
PL.6219	PL.14978	B	4ACSR	14.84Y	123.6	0.03	2.36	10.55	5	156	13	100	0.03	0.0	7.344	0.128	0	0	0	27
022220	PL.6219	B	Consumer	14.84Y	123.6	0.00	2.36	0.49	0	7	1	99	0.00	0.0	7.344	0.000	7	1	1	1
PL.14983	PL.6219	B	4ACSR	14.84Y	123.6	0.01	2.37	10.06	5	149	12	100	0.01	0.0	7.369	0.026	0	0	0	26
PL.23770	PL.14983	B	4ACSR	14.84Y	123.6	0.00	2.37	1.21	1	18	2	99	0.00	0.0	7.405	0.036	0	0	0	2
PL.1582	PL.23770	B	4ACSR	14.84Y	123.6	0.00	2.37	0.47	0	7	1	99	0.00	0.0	7.439	0.034	0	0	0	1
022219	PL.1582	B	Consumer	14.84Y	123.6	0.00	2.37	0.47	0	7	1	99	0.00	0.0	7.439	0.000	7	1	1	1
022217	PL.23770	B	Consumer	14.84Y	123.6	0.00	2.37	0.75	0	11	1	100	0.00	0.0	7.405	0.000	11	1	1	1
022225	PL.14983	B	Consumer	14.84Y	123.6	0.00	2.37	0.37	0	6	1	99	0.00	0.0	7.369	0.000	6	1	1	1
PL.14984	PL.14983	B	4ACSR	14.83Y	123.6	0.01	2.38	5.83	3	86	9	99	0.00	0.0	7.415	0.045	0	0	0	15
PL.14987	PL.14984	B	4ACSR	14.83Y	123.6	0.01	2.38	5.83	3	86	9	99	0.00	0.0	7.459	0.045	0	0	0	15
022242	PL.14987	B	Consumer	14.83Y	123.6	0.00	2.38	0.58	0	8	1	99	0.00	0.0	7.459	0.000	8	1	1	1
PL.23777	PL.14987	B	4ACSR	14.83Y	123.6	0.00	2.38	1.86	1	27	3	99	0.00	0.0	7.491	0.031	0	0	0	6
PL.43238	PL.23777	B	2ACSR	14.83Y	123.6	0.00	2.38	0.05	0	1	0	100	0.00	0.0	7.571	0.080	0	0	0	1
022246	PL.43238	B	Consumer	14.83Y	123.6	0.00	2.38	0.05	0	1	0	100	0.00	0.0	7.571	0.000	1	0	1	1
PL.1863	PL.23777	B	4ACSR	14.83Y	123.6	0.00	2.38	1.59	1	23	3	99	0.00	0.0	7.560	0.070	0	0	0	4
022215	PL.1863	B	Consumer	14.83Y	123.6	0.00	2.38	0.01	0	0	0	100	0.00	0.0	7.560	0.000	0	0	1	1
022233	PL.1863	B	Consumer	14.83Y	123.6	0.00	2.38	0.43	0	6	1	99	0.00	0.0	7.560	0.000	6	1	1	1
PL.23773	PL.1863	B	4ACSR	14.83Y	123.6	0.00	2.39	1.15	1	17	2	99	0.00	0.0	7.631	0.070	0	0	0	2
022237	PL.23773	B	Consumer	14.83Y	123.6	0.00	2.39	0.53	0	8	1	99	0.00	0.0	7.631	0.000	8	1	1	1
022228	PL.23773	B	Consumer	14.83Y	123.6	0.00	2.39	0.63	0	9	1	99	0.00	0.0	7.631	0.000	9	1	1	1
022203	PL.23777	B	Consumer	14.83Y	123.6	0.00	2.38	0.22	0	3	0	100	0.00	0.0	7.491	0.000	3	0	1	1
PL.14988	PL.14987	B	4ACSR	14.83Y	123.6	0.00	2.38	3.39	2	50	6	99	0.00	0.0	7.472	0.012	0	0	0	8
PD.2576	PL.14988	B	fuse6AMP	14.83Y	123.6	0.00	2.38	3.39	58	50	6	99	0.00	0.0	7.472	0.000	0	0	0	8
PL.14989	PD.2576	B	4ACSR	14.83Y	123.6	0.00	2.38	3.39	2	50	6	99	0.00	0.0	7.491	0.019	0	0	0	8
PL.1239	PL.14989	B	4ACSR	14.83Y	123.6	0.00	2.38	0.52	0	8	1	99	0.00	0.0	7.542	0.051	0	0	0	1
022248	PL.1239	B	Consumer	14.83Y	123.6	0.00	2.38	0.52	0	8	1	99	0.00	0.0	7.542	0.000	8	1	1	1
PL.14986	PL.14989	B	4ACSR	14.83Y	123.6	0.00	2.39	2.88	1	42	5	99	0.00	0.0	7.561	0.070	0	0	0	7
PL.23769	PL.14986	B	4ACSR	14.83Y	123.6	0.00	2.39	0.62	0	9	1	99	0.00	0.0	7.623	0.062	0	0	0	2
022238	PL.23769	B	Consumer	14.83Y	123.6	0.00	2.39	0.06	0	1	0	100	0.00	0.0	7.623	0.000	1	0	1	1

Unbalanced Voltage Drop Report
Source: HOPE

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
022223	PL.23769	B	Consumer	14.83Y	123.6	0.00	2.39	0.57	0	8	1	99	0.00	0.0	7.623	0.000	8	1	1	1
PL.29064	PL.14986	B	4ACSR	14.83Y	123.6	0.01	2.39	1.69	1	25	3	99	0.00	0.0	7.703	0.142	0	0	0	4
PL.29065	PL.29064	B	4ACSR	14.83Y	123.6	0.00	2.39	1.69	1	25	3	99	0.00	0.0	7.703	0.001	0	0	0	4
PL.6225	PL.29065	B	4ACSR	14.83Y	123.6	0.00	2.39	1.69	1	25	3	99	0.00	0.0	7.738	0.035	0	0	0	4
022226	PL.6225	B	Consumer	14.83Y	123.6	0.00	2.39	0.41	0	6	1	99	0.00	0.0	7.738	0.000	6	1	1	1
PL.5998	PL.6225	B	4ACSR	14.83Y	123.6	0.00	2.40	1.28	1	19	2	99	0.00	0.0	7.779	0.041	0	0	0	3
PL.5999	PL.5998	B	4ACSR	14.83Y	123.6	0.00	2.40	1.18	1	17	2	99	0.00	0.0	7.848	0.069	0	0	0	2
PL.6216	PL.5999	B	4ACSR	14.83Y	123.6	0.00	2.40	0.00	0	0	0	100	0.00	0.0	7.882	0.034	0	0	0	0
021235	PL.5999	B	Consumer	14.83Y	123.6	0.00	2.40	0.69	0	10	1	100	0.00	0.0	7.848	0.000	10	1	1	1
021229	PL.5999	B	Consumer	14.83Y	123.6	0.00	2.40	0.50	0	7	1	99	0.00	0.0	7.848	0.000	7	1	1	1
022245	PL.5998	B	Consumer	14.83Y	123.6	0.00	2.40	0.10	0	1	0	100	0.00	0.0	7.779	0.000	1	0	1	1
022240	PL.29065	B	Consumer	14.83Y	123.6	0.00	2.39	0.00	0	0	0	100	0.00	0.0	7.703	0.000	0	0	0	0
0222062	PL.14986	B	Consumer	14.83Y	123.6	0.00	2.39	0.00	0	0	0	100	0.00	0.0	7.561	0.000	0	0	0	0
022244	PL.14986	B	Consumer	14.83Y	123.6	0.00	2.39	0.56	0	8	1	99	0.00	0.0	7.561	0.000	8	1	1	1
022227	PL.14984	B	Consumer	14.83Y	123.6	0.00	2.38	0.00	0	0	0	100	0.00	0.0	7.415	0.000	0	0	0	0
PL.6196	PL.14983	B	4ACSR	14.84Y	123.6	0.00	2.37	2.65	1	39	0	100	0.00	0.0	7.405	0.036	0	0	0	8
PL.6197	PL.6196	B	4ACSR	14.84Y	123.6	0.00	2.37	2.41	1	36	-1	-100	0.00	0.0	7.452	0.047	0	0	0	6
PL.14990	PL.6197	B	4ACSR	14.83Y	123.6	0.00	2.38	0.95	0	14	-3	-98	0.00	0.0	7.521	0.069	0	0	0	3
PL.14991	PL.14990	B	1/0EPRJCN	14.83Y	123.6	0.00	2.38	0.56	0	7	-4	-87	0.00	0.0	7.546	0.025	0	0	0	1
PL.14992	PL.14991	B	1/0EPRJCN	14.83Y	123.6	0.00	2.38	0.55	0	7	-3	-92	0.00	0.0	7.584	0.038	0	0	0	1
PL.14993	PL.14992	B	1/0EPRJCN	14.83Y	123.6	0.00	2.38	0.52	0	7	-2	-96	0.00	0.0	7.623	0.040	0	0	0	1
PL.1867	PL.14993	B	1/0EPRJCN	14.83Y	123.6	0.00	2.38	0.51	0	7	-1	-99	0.00	0.0	7.714	0.091	0	0	0	1
022234	PL.1867	B	Consumer	14.83Y	123.6	0.00	2.38	0.51	0	7	1	99	0.00	0.0	7.714	0.000	7	1	1	1
PL.45897	PL.14992	B	1/0EPRJCN	14.83Y	123.6	-0.00	2.38	-0.07	0	0	-1	0	0.00	0.0	7.638	0.054	0	0	0	0
0232050	PL.45897	B	Consumer	14.83Y	123.6	0.00	2.38	0.00	0	0	0	100	0.00	0.0	7.638	0.000	0	0	0	0
PL.1871	PL.14990	B	4ACSR	14.83Y	123.6	0.00	2.38	0.40	0	6	1	99	0.00	0.0	7.550	0.029	0	0	0	1
022236	PL.1871	B	Consumer	14.83Y	123.6	0.00	2.38	0.40	0	6	1	99	0.00	0.0	7.550	0.000	6	1	1	1
022229	PL.14990	B	Consumer	14.83Y	123.6	0.00	2.38	0.02	0	0	0	100	0.00	0.0	7.521	0.000	0	0	1	1
022218	PL.6197	B	Consumer	14.84Y	123.6	0.00	2.37	0.60	0	9	1	99	0.00	0.0	7.452	0.000	9	1	1	1
022224	PL.6197	B	Consumer	14.84Y	123.6	0.00	2.37	0.25	0	4	0	100	0.00	0.0	7.452	0.000	4	0	1	1
022216	PL.6197	B	Consumer	14.84Y	123.6	0.00	2.37	0.64	0	9	1	99	0.00	0.0	7.452	0.000	9	1	1	1
022221	PL.6196	B	Consumer	14.84Y	123.6	0.00	2.37	0.25	0	4	0	100	0.00	0.0	7.405	0.000	4	0	1	1
022241	PL.6196	B	Consumer	14.84Y	123.6	0.00	2.37	0.00	0	0	0	100	0.00	0.0	7.405	0.000	0	0	1	1
022232	PL.14978	B	Consumer	14.84Y	123.7	0.00	2.34	0.00	0	0	0	100	0.00	0.0	7.215	0.000	0	0	0	0
022239	PL.14979	B	Consumer	14.84Y	123.7	0.00	2.33	0.31	0	5	1	98	0.00	0.0	7.164	0.000	5	1	1	1
PL.18234	PL.19066	B	4ACSR	14.84Y	123.7	0.00	2.30	0.00	0	0	0	100	0.00	0.0	7.082	0.006	0	0	0	0
PD.209-B	PL.18234	B	Open	14.84Y	123.7	0.00	2.30	0.00	0	0	0	100	0.00	0.0	7.082	0.000	0	0	0	0
021243	PL.19067	B	Consumer	14.85Y	123.7	0.00	2.29	0.45	0	7	1	99	0.00	0.0	7.017	0.000	7	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