

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
Oneida		ABC	SRC-Oneida	7.50Y	125.0	0.00	0.00	163.88	0	3502	1154	95	0.00	0.0	0.000	0.000	0	0	0	1020
PL.11511	Oneida	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	54.14	10	1143	421	94	0.02	0.0	0.009	0.009	0	0	0	252
PL.27885	PL.11511	ABC	336 MCM AC	7.50Y	125.0	0.00	0.01	54.14	10	1143	421	94	0.01	0.0	0.013	0.004	0	0	0	252
----- Feeder No. 3 (Big Bullskin F3) Beginning with Device PD.3858 -----																				
PD.3858	PL.27885	ABC	360VWE	7.50Y	125.0	0.00	0.01	54.14	0	1143	421	94	0.00	0.0	0.013	0.004	0	0	0	252
PL.11512	PD.3858	ABC	336 MCM AC	7.50Y	124.9	0.08	0.08	54.14	10	1143	421	94	0.42	0.0	0.184	0.170	0	0	0	252
PL.10473	PL.11512	ABC	336 MCM AC	7.49Y	124.9	0.03	0.11	54.14	10	1143	420	94	0.14	0.0	0.242	0.058	0	0	0	252
PL.10433	PL.10473	ABC	336 MCM AC	7.49Y	124.9	0.02	0.12	49.76	10	1051	383	94	0.08	0.0	0.282	0.040	6	2	2	250
PL.10472	PL.10433	ABC	336 MCM AC	7.49Y	124.8	0.04	0.16	49.48	10	1045	381	94	0.20	0.0	0.378	0.096	0	0	0	248
PL.10471	PL.10472	ABC	336 MCM AC	7.49Y	124.8	0.03	0.19	49.48	10	1045	381	94	0.16	0.0	0.454	0.076	0	0	0	248
PL.10470	PL.10471	ABC	336 MCM AC	7.49Y	124.8	0.04	0.23	49.48	10	1045	380	94	0.21	0.0	0.556	0.102	0	0	0	248
PL.10469	PL.10470	ABC	336 MCM AC	7.48Y	124.7	0.04	0.27	49.48	10	1044	380	94	0.20	0.0	0.652	0.096	0	0	0	248
PL.10468	PL.10469	ABC	336 MCM AC	7.48Y	124.7	0.04	0.31	49.48	10	1044	379	94	0.19	0.0	0.744	0.091	0	0	0	248
PL.10779	PL.10468	C	6 A (CWC)	7.48Y	124.7	0.00	0.31	1.28	1	9	2	98	0.00	0.0	0.748	0.005	0	0	0	5
PD.1951	PL.10779	C	65T	7.48Y	124.7	0.00	0.31	1.28	0	9	2	98	0.00	0.0	0.748	0.005	0	0	0	5
PL.10780	PD.1951	C	6 A (CWC)	7.48Y	124.7	0.00	0.31	1.28	1	9	2	98	0.00	0.0	0.826	0.078	0	0	0	5
PL.10474	PL.10780	C	6 A (CWC)	7.48Y	124.7	0.01	0.32	1.28	1	9	2	98	0.00	0.0	0.933	0.107	1	0	1	5
PL.25738	PL.10474	C	6 A (CWC)	7.48Y	124.7	0.00	0.32	1.14	1	8	2	97	0.00	0.0	0.936	0.003	0	0	0	4
PD.3633	PL.25738	C	15T	7.48Y	124.7	0.00	0.32	1.14	0	8	2	97	0.00	0.0	0.936	0.003	0	0	0	4
PL.25739	PD.3633	C	6 A (CWC)	7.48Y	124.7	0.00	0.32	1.14	1	8	2	97	0.00	0.0	0.982	0.046	2	1	1	4
PL.10356	PL.25739	C	8 A (CWC)	7.48Y	124.7	0.00	0.32	0.87	1	6	2	95	0.00	0.0	1.004	0.023	0	0	0	3
PL.10357	PL.10356	C	8 A (CWC)	7.48Y	124.7	0.00	0.33	0.87	1	6	2	95	0.00	0.0	1.057	0.053	5	1	2	3
PL.10358	PL.10357	C	6 A (CWC)	7.48Y	124.7	0.00	0.33	0.24	0	2	0	100	0.00	0.0	1.173	0.116	2	0	1	1
PL.10359	PL.10358	C	#2 ACSR	7.48Y	124.7	0.00	0.33	0.00	0	0	0	100	0.00	0.0	1.241	0.068	0	0	0	0
PL.10434	PL.10468	ABC	336 MCM AC	7.48Y	124.6	0.07	0.38	49.06	9	1035	377	94	0.34	0.0	0.911	0.168	0	0	0	243
PL.10467	PL.10434	ABC	336 MCM AC	7.47Y	124.6	0.04	0.42	49.06	9	1034	376	94	0.22	0.0	1.021	0.110	0	0	0	243
PL.10466	PL.10467	ABC	336 MCM AC	7.47Y	124.5	0.05	0.47	49.06	9	1034	375	94	0.28	0.0	1.159	0.138	0	0	0	243
PL.10465	PL.10466	ABC	336 MCM AC	7.47Y	124.5	0.04	0.51	49.06	9	1034	375	94	0.20	0.0	1.256	0.098	0	0	0	243
PL.10464	PL.10465	ABC	336 MCM AC	7.47Y	124.4	0.04	0.56	49.06	9	1034	374	94	0.23	0.0	1.369	0.112	0	0	0	243
PL.10463	PL.10464	ABC	336 MCM AC	7.46Y	124.4	0.07	0.62	49.06	9	1033	374	94	0.34	0.0	1.536	0.167	0	0	0	243

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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.10462	PL.10463	ABC	336 MCM AC	7.46Y	124.3	0.05	0.67	49.06	9	1033	373	94	0.23	0.0	1.651	0.115	0	0	0	243
PL.10717	PL.10462	ABC	336 MCM AC	7.46Y	124.3	0.02	0.69	49.06	9	1033	372	94	0.09	0.0	1.693	0.043	8	2	1	243
PL.10718	PL.10717	ABC	336 MCM AC	7.46Y	124.3	0.01	0.70	48.71	9	1025	370	94	0.07	0.0	1.728	0.035	0	0	0	242
PL.10461	PL.10718	ABC	336 MCM AC	7.45Y	124.2	0.06	0.76	48.71	9	1025	370	94	0.30	0.0	1.876	0.148	0	0	0	242
PL.10460	PL.10461	ABC	336 MCM AC	7.45Y	124.2	0.05	0.81	48.71	9	1025	369	94	0.27	0.0	2.014	0.137	0	0	0	242
PL.10341	PL.10460	ABC	336 MCM AC	7.45Y	124.2	0.03	0.85	48.71	9	1025	368	94	0.18	0.0	2.101	0.088	0	0	0	242
PL.10435	PL.10341	ABC	336 MCM AC	7.45Y	124.1	0.06	0.91	48.60	9	1022	367	94	0.33	0.0	2.266	0.165	0	0	0	239
PL.10775	PL.10435	C	#2 ACSR	7.45Y	124.1	0.00	0.91	1.01	1	7	2	96	0.00	0.0	2.271	0.005	0	0	0	3
PD.1949	PL.10775	C	65T	7.45Y	124.1	0.00	0.91	1.01	0	7	2	96	0.00	0.0	2.271	0.005	0	0	0	3
PL.10776	PD.1949	C	#2 ACSR	7.45Y	124.1	0.00	0.92	1.01	1	7	2	96	0.00	0.0	2.329	0.058	0	0	0	3
PL.10702	PL.10776	C	#2 ACSR	7.45Y	124.1	0.00	0.92	1.01	1	7	2	96	0.00	0.0	2.369	0.041	6	2	2	3
PL.10703	PL.10702	C	#2 ACSR	7.45Y	124.1	0.00	0.92	0.23	0	2	0	100	0.00	0.0	2.396	0.027	2	0	1	1
PL.10436	PL.10435	ABC	336 MCM AC	7.44Y	124.1	0.04	0.95	48.26	9	1014	365	94	0.18	0.0	2.360	0.094	0	0	0	236
PL.10475	PL.10436	ABC	336 MCM AC	7.44Y	124.0	0.03	0.98	48.26	9	1014	364	94	0.14	0.0	2.429	0.069	0	0	0	236
PL.10476	PL.10475	ABC	336 MCM AC	7.44Y	124.0	0.03	1.01	48.26	9	1014	364	94	0.17	0.0	2.514	0.085	0	0	0	236
PL.10477	PL.10476	ABC	336 MCM AC	7.44Y	123.9	0.05	1.06	48.26	9	1014	364	94	0.23	0.0	2.630	0.115	0	0	0	236
PL.10478	PL.10477	ABC	336 MCM AC	7.43Y	123.9	0.04	1.09	48.26	9	1014	363	94	0.18	0.0	2.721	0.091	0	0	0	236
PL.10479	PL.10478	ABC	336 MCM AC	7.43Y	123.9	0.04	1.13	48.26	9	1014	363	94	0.19	0.0	2.820	0.099	0	0	0	236
PL.10480	PL.10479	ABC	336 MCM AC	7.43Y	123.8	0.04	1.17	48.26	9	1013	362	94	0.19	0.0	2.918	0.099	0	0	0	236
PL.10481	PL.10480	ABC	336 MCM AC	7.43Y	123.8	0.06	1.23	48.26	9	1013	362	94	0.30	0.0	3.070	0.152	0	0	0	236
PL.10482	PL.10481	ABC	336 MCM AC	7.42Y	123.7	0.04	1.27	48.26	9	1013	361	94	0.21	0.0	3.176	0.106	0	0	0	236
PL.10817	PL.10482	A	#4 ACSR	7.42Y	123.7	0.00	1.27	0.61	0	4	1	97	0.00	0.0	3.180	0.005	0	0	0	2
PD.1972	PL.10817	A	65T	7.42Y	123.7	0.00	1.27	0.61	0	4	1	97	0.00	0.0	3.180	0.005	0	0	0	2
PL.10818	PD.1972	A	#4 ACSR	7.42Y	123.7	0.00	1.27	0.61	0	4	1	97	0.00	0.0	3.205	0.025	4	1	2	2
PL.21287	PL.10482	ABC	336 MCM AC	7.42Y	123.7	0.03	1.30	48.06	9	1008	359	94	0.17	0.0	3.262	0.087	0	0	0	234
PL.21288	PL.21287	ABC	336 MCM AC	7.42Y	123.7	0.04	1.34	48.06	9	1008	359	94	0.18	0.0	3.353	0.091	0	0	0	233
PD.1974	PL.21288	ABC	70L	7.42Y	123.7	0.00	1.34	48.06	69	1008	359	94	0.00	0.0	3.353	0.091	0	0	0	233
PL.10822	PD.1974	ABC	336 MCM AC	7.42Y	123.6	0.02	1.36	48.06	9	1008	359	94	0.10	0.0	3.403	0.050	0	0	0	233
PL.10731	PL.10822	ABC	#1/0 ACSR	7.42Y	123.6	0.00	1.36	11.94	5	239	116	90	0.01	0.0	3.426	0.023	51	25	4	5
PL.10732	PL.10731	ABC	#1/0 ACSR	7.42Y	123.6	0.00	1.36	9.40	4	188	91	90	0.00	0.0	3.447	0.021	188	91	1	1
PL.10729	PL.10822	ABC	336 MCM AC	7.42Y	123.6	0.01	1.36	36.21	7	769	242	95	0.02	0.0	3.425	0.022	1	0	1	228

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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.10730	PL.10729	ABC	336 MCM AC	7.42Y	123.6	0.02	1.38	36.17	7	768	242	95	0.07	0.0	3.489	0.064	0	0	0	227
PL.10437	PL.10730	ABC	336 MCM AC	7.42Y	123.6	0.03	1.41	36.17	7	768	242	95	0.11	0.0	3.592	0.103	0	0	0	227
PL.10711	PL.10437	ABC	336 MCM AC	7.41Y	123.6	0.03	1.44	36.17	7	767	242	95	0.11	0.0	3.690	0.098	0	0	0	227
PL.10712	PL.10711	ABC	336 MCM AC	7.41Y	123.5	0.02	1.45	36.17	7	767	241	95	0.07	0.0	3.752	0.062	0	0	0	227
PL.10777	PL.10712	A	#2 ACSR	7.41Y	123.5	0.00	1.45	0.05	0	0	0	100	0.00	0.0	3.757	0.005	0	0	0	1
PD.1950	PL.10777	A	30T	7.41Y	123.5	0.00	1.45	0.05	0	0	0	100	0.00	0.0	3.757	0.005	0	0	0	1
PL.10778	PD.1950	A	#2 ACSR	7.41Y	123.5	0.00	1.45	0.05	0	0	0	100	0.00	0.0	3.792	0.035	0	0	1	1
PL.10438	PL.10712	ABC	336 MCM AC	7.41Y	123.5	0.03	1.49	36.15	7	767	241	95	0.12	0.0	3.864	0.112	0	0	0	226
PL.10439	PL.10438	ABC	336 MCM AC	7.41Y	123.5	0.03	1.52	35.14	7	745	235	95	0.11	0.0	3.974	0.109	0	0	0	217
PL.10485	PL.10439	ABC	336 MCM AC	7.41Y	123.5	0.03	1.55	35.14	7	745	235	95	0.12	0.0	4.088	0.114	0	0	0	217
PL.10486	PL.10485	ABC	336 MCM AC	7.41Y	123.4	0.01	1.56	35.14	7	745	234	95	0.06	0.0	4.141	0.053	0	0	0	217
PL.10799	PL.10486	C	#2 ACSR	7.41Y	123.4	0.00	1.56	0.11	0	1	0	100	0.00	0.0	4.146	0.005	0	0	0	2
PD.1962	PL.10799	C	30T	7.41Y	123.4	0.00	1.56	0.11	0	1	0	100	0.00	0.0	4.146	0.005	0	0	0	2
PL.10800	PD.1962	C	#2 ACSR	7.41Y	123.4	0.00	1.56	0.11	0	1	0	100	0.00	0.0	4.177	0.032	1	0	2	2
PL.10441	PL.10486	ABC	336 MCM AC	7.41Y	123.4	0.01	1.58	35.10	7	744	234	95	0.06	0.0	4.195	0.054	0	0	0	215
PL.10343	PL.10441	ABC	336 MCM AC	7.40Y	123.4	0.02	1.59	35.10	7	744	234	95	0.07	0.0	4.264	0.069	0	0	0	215
PL.10781	PL.10343	A	#4 ACSR	7.40Y	123.4	0.00	1.59	1.31	1	9	3	95	0.00	0.0	4.269	0.005	0	0	0	4
PD.1952	PL.10781	A	30T	7.40Y	123.4	0.00	1.59	1.31	0	9	3	95	0.00	0.0	4.269	0.005	0	0	0	4
PL.10782	PD.1952	A	#4 ACSR	7.40Y	123.4	0.01	1.60	1.31	1	9	3	95	0.00	0.0	4.419	0.150	4	1	1	4
PL.10706	PL.10782	A	#4 ACSR	7.40Y	123.4	0.00	1.60	0.69	1	5	1	98	0.00	0.0	4.480	0.061	1	0	1	3
PL.10705	PL.10706	A	#4 ACSR	7.40Y	123.4	0.00	1.60	0.51	0	4	1	97	0.00	0.0	4.557	0.078	0	0	1	2
PL.10704	PL.10705	A	#4 ACSR	7.40Y	123.4	0.00	1.61	0.48	0	3	1	95	0.00	0.0	4.600	0.043	0	0	0	1
PL.10366	PL.10704	A	#4 ACSR	7.40Y	123.4	0.00	1.61	0.48	0	3	1	95	0.00	0.0	4.635	0.035	3	1	1	1
PL.10783	PL.10343	C	#4 ACSR	7.40Y	123.4	0.00	1.59	0.84	1	6	2	95	0.00	0.0	4.269	0.005	0	0	0	4
PD.1953	PL.10783	C	30T	7.40Y	123.4	0.00	1.59	0.84	0	6	2	95	0.00	0.0	4.269	0.005	0	0	0	4
PL.10784	PD.1953	C	#4 ACSR	7.40Y	123.4	0.00	1.60	0.84	1	6	2	95	0.00	0.0	4.394	0.125	0	0	0	4
PL.10379	PL.10784	C	6 A (CWC)	7.40Y	123.4	0.00	1.60	0.84	1	6	2	95	0.00	0.0	4.486	0.092	6	2	4	4
PL.10380	PL.10379	C	#4 ACSR	7.40Y	123.4	0.00	1.60	0.00	0	0	0	100	0.00	0.0	4.557	0.072	0	0	0	0
PL.10455	PL.10343	ABC	336 MCM AC	7.40Y	123.4	0.04	1.64	34.38	7	728	230	95	0.15	0.0	4.419	0.155	3	1	2	207
PL.10454	PL.10455	ABC	336 MCM AC	7.40Y	123.3	0.03	1.67	34.26	7	726	229	95	0.13	0.0	4.550	0.131	0	0	0	205
PL.10487	PL.10454	ABC	336 MCM AC	7.40Y	123.3	0.03	1.70	34.26	7	726	228	95	0.12	0.0	4.669	0.118	0	0	0	205

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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.10488	PL.10487	ABC	336 MCM AC	7.40Y	123.3	0.02	1.72	34.26	7	725	228	95	0.08	0.0	4.754	0.085	0	0	0	205
PL.10344	PL.10488	ABC	336 MCM AC	7.40Y	123.3	0.01	1.73	34.26	7	725	228	95	0.02	0.0	4.775	0.021	2	0	1	205
PL.10456	PL.10344	ABC	336 MCM AC	7.39Y	123.2	0.03	1.76	34.09	7	722	227	95	0.11	0.0	4.887	0.112	0	0	0	203
PL.10489	PL.10456	ABC	336 MCM AC	7.39Y	123.2	0.02	1.78	34.09	7	722	227	95	0.07	0.0	4.963	0.075	0	0	0	203
PL.10769	PL.10489	C	#4 ACSR	7.39Y	123.2	0.00	1.78	0.06	0	0	0	100	0.00	0.0	4.967	0.005	0	0	0	1
PD.1946	PL.10769	C	30T	7.39Y	123.2	0.00	1.78	0.06	0	0	0	100	0.00	0.0	4.967	0.005	0	0	0	1
PL.10770	PD.1946	C	#4 ACSR	7.39Y	123.2	0.00	1.78	0.06	0	0	0	100	0.00	0.0	5.010	0.043	0	0	1	1
PL.10688	PL.10489	ABC	336 MCM AC	7.39Y	123.2	0.02	1.80	34.07	7	721	226	95	0.06	0.0	5.024	0.061	0	0	0	202
PL.10689	PL.10688	ABC	336 MCM AC	7.39Y	123.2	0.01	1.81	34.07	7	721	226	95	0.05	0.0	5.073	0.049	0	0	0	202
PL.10457	PL.10689	ABC	336 MCM AC	7.39Y	123.2	0.02	1.83	33.89	7	717	225	95	0.06	0.0	5.136	0.063	0	0	0	200
PL.10346	PL.10457	ABC	336 MCM AC	7.39Y	123.2	0.01	1.84	33.89	7	717	225	95	0.05	0.0	5.183	0.047	0	0	0	200
PL.10507	PL.10346	ABC	336 MCM AC	7.39Y	123.1	0.05	1.88	33.89	7	717	225	95	0.17	0.0	5.356	0.173	10	3	1	200
PL.10785	PL.10507	C	#1/0 ACSR	7.39Y	123.1	0.00	1.88	2.73	1	19	5	97	0.00	0.0	5.363	0.007	0	0	0	4
PD.1954	PL.10785	C	30T	7.39Y	123.1	0.00	1.88	2.73	0	19	5	97	0.00	0.0	5.363	0.007	0	0	0	4
PL.10786	PD.1954	C	#1/0 ACSR	7.39Y	123.1	0.00	1.89	2.73	1	19	5	97	0.00	0.0	5.412	0.049	0	0	0	4
PL.10381	PL.10786	C	#1/0 ACSR	7.39Y	123.1	0.00	1.89	2.73	1	19	5	97	0.00	0.0	5.482	0.070	0	0	0	4
PL.10695	PL.10381	C	#4 ACSR	7.39Y	123.1	0.00	1.89	2.73	2	19	5	97	0.00	0.0	5.521	0.039	3	1	1	4
PL.10696	PL.10695	C	#4 ACSR	7.39Y	123.1	0.00	1.90	2.26	2	16	4	97	0.00	0.0	5.537	0.016	16	4	3	3
PL.10693	PL.10507	ABC	336 MCM AC	7.39Y	123.1	0.01	1.89	32.48	6	687	216	95	0.03	0.0	5.387	0.030	0	0	0	194
PL.10694	PL.10693	ABC	336 MCM AC	7.39Y	123.1	0.02	1.91	32.48	6	687	216	95	0.08	0.0	5.474	0.087	0	0	0	194
PL.10510	PL.10694	ABC	336 MCM AC	7.38Y	123.1	0.02	1.93	32.48	6	686	216	95	0.05	0.0	5.534	0.060	0	0	0	194
PL.10787	PL.10510	C	#4 ACSR	7.38Y	123.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	5.539	0.005	0	0	0	0
PD.1955	PL.10787	C	30T	7.38Y	123.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	5.539	0.005	0	0	0	0
PL.10788	PD.1955	C	#4 ACSR	7.38Y	123.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	5.583	0.044	0	0	0	0
PL.10382	PL.10788	C	6 A (CWC)	7.38Y	123.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	5.688	0.105	0	0	0	0
PL.10690	PL.10510	ABC	336 MCM AC	7.38Y	123.1	0.02	1.95	32.48	6	686	216	95	0.07	0.0	5.618	0.084	1	0	5	194
PL.10691	PL.10690	ABC	336 MCM AC	7.38Y	123.0	0.01	1.96	32.42	6	685	215	95	0.03	0.0	5.648	0.030	0	0	1	189
PL.10692	PL.10691	ABC	336 MCM AC	7.38Y	123.0	0.03	1.98	32.42	6	685	215	95	0.09	0.0	5.754	0.106	0	0	0	188
PL.10789	PL.10692	C	#4 ACSR	7.38Y	123.0	0.00	1.98	1.07	1	8	2	97	0.00	0.0	5.758	0.005	0	0	0	4
PD.1956	PL.10789	C	30T	7.38Y	123.0	0.00	1.98	1.07	0	8	2	97	0.00	0.0	5.758	0.005	0	0	0	4
PL.10790	PD.1956	C	#4 ACSR	7.38Y	123.0	0.00	1.98	1.07	1	8	2	97	0.00	0.0	5.808	0.050	1	0	1	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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.10683	PL.10790	C	#4 ACSR	7.38Y	123.0	0.00	1.99	0.93	1	7	2	96	0.00	0.0	5.847	0.039	5	1	1	3
PL.10684	PL.10683	C	#4 ACSR	7.38Y	123.0	0.00	1.99	0.22	0	2	0	100	0.00	0.0	5.879	0.032	2	0	2	2
PL.10442	PL.10692	ABC	336 MCM AC	7.38Y	123.0	0.01	1.99	31.93	6	675	212	95	0.03	0.0	5.792	0.038	0	0	0	183
PL.10681	PL.10442	ABC	336 MCM AC	7.38Y	123.0	0.01	2.00	31.47	6	665	209	95	0.03	0.0	5.834	0.042	13	3	1	181
PL.10682	PL.10681	ABC	336 MCM AC	7.38Y	123.0	0.01	2.02	30.88	6	652	206	95	0.05	0.0	5.891	0.057	0	0	0	180
PL.10763	PL.10682	A	#4 ACSR	7.38Y	123.0	0.00	2.02	1.25	1	9	2	98	0.00	0.0	5.896	0.005	0	0	0	4
PD.1943	PL.10763	A	30T	7.38Y	123.0	0.00	2.02	1.25	0	9	2	98	0.00	0.0	5.896	0.005	0	0	0	4
PL.10764	PD.1943	A	#4 ACSR	7.38Y	123.0	0.00	2.02	1.25	1	9	2	98	0.00	0.0	5.911	0.015	2	1	1	4
PL.10685	PL.10764	A	#4 ACSR	7.38Y	123.0	0.00	2.02	0.99	1	7	2	96	0.00	0.0	5.995	0.084	5	1	1	3
PL.10686	PL.10685	A	#4 ACSR	7.38Y	123.0	0.00	2.02	0.32	0	2	1	89	0.00	0.0	6.102	0.107	2	1	2	2
PL.10443	PL.10682	ABC	336 MCM AC	7.38Y	123.0	0.01	2.03	30.46	6	643	203	95	0.05	0.0	5.953	0.062	0	0	0	176
PL.10511	PL.10443	ABC	336 MCM AC	7.38Y	123.0	0.01	2.04	30.30	6	639	202	95	0.02	0.0	5.976	0.022	4	1	2	175
PL.10791	PL.10511	C	#2 ACSR	7.38Y	123.0	0.00	2.04	0.10	0	1	0	100	0.00	0.0	5.980	0.005	0	0	0	1
PD.1957	PL.10791	C	30T	7.38Y	123.0	0.00	2.04	0.10	0	1	0	100	0.00	0.0	5.980	0.005	0	0	0	1
PL.10792	PD.1957	C	#2 ACSR	7.38Y	123.0	0.00	2.04	0.10	0	1	0	100	0.00	0.0	6.013	0.033	0	0	0	1
PL.10367	PL.10792	C	#2 ACSR	7.38Y	123.0	0.00	2.04	0.10	0	1	0	100	0.00	0.0	6.058	0.045	1	0	1	1
PL.10512	PL.10511	ABC	336 MCM AC	7.38Y	122.9	0.02	2.06	30.10	6	635	201	95	0.08	0.0	6.076	0.101	0	0	0	172
PL.10819	PL.10512	C	#4 ACSR	7.38Y	122.9	0.00	2.06	11.69	9	83	23	96	0.00	0.0	6.079	0.003	0	0	0	36
PD.1973	PL.10819	C	35L	7.38Y	122.9	0.00	2.06	11.69	33	83	23	96	0.00	0.0	6.079	0.003	0	0	0	36
PL.10820	PD.1973	C	#4 ACSR	7.38Y	122.9	0.01	2.07	11.69	9	83	23	96	0.01	0.0	6.099	0.020	0	0	0	36
PL.10368	PL.10820	C	#2 ACSR	7.37Y	122.9	0.02	2.09	11.69	7	83	23	96	0.01	0.0	6.153	0.054	2	0	1	36
PL.10458	PL.10368	C	6 A (CWC)	7.37Y	122.9	0.02	2.11	11.46	8	82	22	97	0.01	0.0	6.185	0.032	0	0	0	35
PL.10369	PL.10458	C	#4 ACSR	7.37Y	122.9	0.00	2.11	0.13	0	1	0	100	0.00	0.0	6.242	0.057	1	0	1	1
PL.10679	PL.10458	C	6 A (CWC)	7.37Y	122.9	0.04	2.15	11.33	8	81	22	97	0.03	0.0	6.266	0.081	0	0	1	34
PL.10680	PL.10679	C	6 A (CWC)	7.37Y	122.8	0.08	2.23	11.33	8	81	22	97	0.05	0.1	6.427	0.160	1	0	1	33
PL.10675	PL.10680	C	6 A (CWC)	7.36Y	122.7	0.07	2.30	11.14	8	79	21	97	0.04	0.1	6.570	0.143	6	2	2	32
PL.10676	PL.10675	C	6 A (CWC)	7.36Y	122.7	0.03	2.33	10.33	7	73	20	96	0.02	0.0	6.635	0.065	4	1	1	30
PL.10677	PL.10676	C	6 A (CWC)	7.36Y	122.6	0.02	2.36	9.74	7	69	19	96	0.01	0.0	6.699	0.064	17	5	4	29
PL.10678	PL.10677	C	6 A (CWC)	7.36Y	122.6	0.01	2.37	7.37	5	52	14	97	0.00	0.0	6.737	0.038	0	0	0	25
PL.10516	PL.10678	C	6 A (CWC)	7.36Y	122.6	0.02	2.39	6.95	5	49	13	97	0.01	0.0	6.810	0.073	1	0	1	24
PL.10687	PL.10516	C	6 A (CWC)	7.35Y	122.6	0.03	2.42	6.86	5	49	13	97	0.01	0.0	6.897	0.088	7	2	4	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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.10697	PL.10687	C	6 A (CWC)	7.35Y	122.6	0.02	2.44	5.82	4	41	11	97	0.01	0.0	6.980	0.082	2	1	1	19
PL.10698	PL.10697	C	6 A (CWC)	7.35Y	122.5	0.03	2.46	5.50	4	39	11	96	0.01	0.0	7.083	0.103	2	1	3	18
PL.10383	PL.10698	C	#4 ACSR	7.35Y	122.5	0.00	2.46	0.00	0	0	0	100	0.00	0.0	7.146	0.063	0	0	0	0
PL.10517	PL.10698	C	6 A (CWC)	7.35Y	122.5	0.01	2.48	5.19	4	37	10	97	0.00	0.0	7.139	0.056	1	0	1	15
PL.10700	PL.10517	C	6 A (CWC)	7.35Y	122.5	0.01	2.49	5.02	4	36	10	96	0.00	0.0	7.179	0.041	11	3	2	14
PL.10701	PL.10700	C	6 A (CWC)	7.35Y	122.5	0.01	2.49	3.48	2	25	7	96	0.00	0.0	7.234	0.055	5	1	1	12
PL.10699	PL.10701	C	6 A (CWC)	7.35Y	122.5	0.01	2.50	2.79	2	20	5	97	0.00	0.0	7.319	0.085	4	1	2	11
PL.10384	PL.10699	C	6 A (CWC)	7.35Y	122.5	0.01	2.51	2.20	2	16	4	97	0.00	0.0	7.382	0.062	0	0	1	9
PL.10425	PL.10384	C	6 A (CWC)	7.35Y	122.5	0.00	2.51	2.20	2	16	4	97	0.00	0.0	7.419	0.037	4	1	2	8
PL.10426	PL.10425	C	6 A (CWC)	7.35Y	122.5	0.01	2.52	1.59	1	11	3	96	0.00	0.0	7.494	0.075	0	0	0	6
PL.10427	PL.10426	C	6 A (CWC)	7.35Y	122.5	0.00	2.52	1.59	1	11	3	96	0.00	0.0	7.547	0.053	5	1	2	6
PL.10428	PL.10427	C	6 A (CWC)	7.35Y	122.5	0.00	2.52	0.85	1	6	2	95	0.00	0.0	7.596	0.049	5	1	2	4
PL.10431	PL.10428	C	#1/0 ACSR	7.35Y	122.5	0.00	2.52	0.00	0	0	0	100	0.00	0.0	7.607	0.011	0	0	1	1
PL.10430	PL.10428	C	6 A (CWC)	7.35Y	122.5	0.00	2.52	0.14	0	1	0	100	0.00	0.0	7.717	0.121	1	0	1	1
PL.10370	PL.10678	C	#4 ACSR	7.36Y	122.6	0.00	2.37	0.42	0	3	1	95	0.00	0.0	6.779	0.042	3	1	1	1
PL.10673	PL.10512	ABC	#1/0 ACSR	7.38Y	122.9	0.02	2.08	26.21	11	552	178	95	0.07	0.0	6.112	0.036	1	0	1	136
PL.10674	PL.10673	ABC	#1/0 ACSR	7.37Y	122.9	0.02	2.10	26.17	11	551	178	95	0.08	0.0	6.156	0.044	6	2	2	135
PL.10348	PL.10674	ABC	#1/0 ACSR	7.37Y	122.9	0.01	2.11	25.88	11	545	176	95	0.03	0.0	6.172	0.016	0	0	0	133
PL.10349	PL.10348	ABC	#1/0 ACSR	7.37Y	122.9	0.03	2.14	25.88	11	545	176	95	0.11	0.0	6.236	0.063	1	0	1	133
PL.10350	PL.10349	ABC	#1/0 ACSR	7.37Y	122.8	0.07	2.21	25.85	11	544	176	95	0.26	0.0	6.384	0.149	0	0	0	132
PL.10671	PL.10350	ABC	#1/0 ACSR	7.37Y	122.8	0.03	2.23	25.85	11	544	176	95	0.10	0.0	6.441	0.056	0	0	1	132
PL.10672	PL.10671	ABC	#1/0 ACSR	7.36Y	122.7	0.04	2.27	25.83	11	543	176	95	0.15	0.0	6.527	0.086	0	0	0	131
PL.10444	PL.10672	ABC	#1/0 ACSR	7.36Y	122.7	0.06	2.34	24.62	11	517	169	95	0.22	0.0	6.664	0.138	0	0	0	121
PL.10825	PL.10444	ABC	#1/0 ACSR	7.36Y	122.6	0.03	2.37	24.62	11	517	168	95	0.11	0.0	6.732	0.068	0	0	0	121
PL.10826	PL.10825	ABC	#1/0 ACSR	7.36Y	122.6	0.01	2.38	24.62	11	517	168	95	0.03	0.0	6.750	0.018	0	0	0	121
PL.10504	PL.10826	ABC	#1/0 ACSR	7.36Y	122.6	0.03	2.41	24.16	11	507	166	95	0.12	0.0	6.828	0.078	0	0	0	116
PL.10353	PL.10504	A	#2 ACSR	7.36Y	122.6	0.00	2.41	1.80	1	13	3	97	0.00	0.0	6.885	0.057	13	3	2	2
PL.10505	PL.10504	ABC	#1/0 ACSR	7.35Y	122.6	0.03	2.44	23.56	10	494	162	95	0.11	0.0	6.905	0.077	0	0	0	114
PL.10506	PL.10505	ABC	#1/0 ACSR	7.35Y	122.5	0.03	2.47	23.47	10	492	161	95	0.10	0.0	6.976	0.071	0	0	0	112
PL.10759	PL.10506	C	#2 ACSR	7.35Y	122.5	0.00	2.47	0.32	0	2	1	89	0.00	0.0	6.981	0.005	0	0	0	2
PD.1941	PL.10759	C	30T	7.35Y	122.5	0.00	2.47	0.32	0	2	1	89	0.00	0.0	6.981	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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.10760	PD.1941	C	#2 ACSR	7.35Y	122.5	0.00	2.47	0.32	0	2	1	89	0.00	0.0	7.005	0.024	2	1	2	2
PL.10662	PL.10506	ABC	#1/0 ACSR	7.35Y	122.5	0.02	2.50	23.36	10	490	161	95	0.08	0.0	7.033	0.058	1	0	1	110
PL.10823	PL.10662	ABC	#1/0 ACSR	7.35Y	122.4	0.05	2.55	23.31	10	488	160	95	0.17	0.0	7.151	0.118	0	0	0	109
PD.1975	PL.10823	ABC	35L	7.35Y	122.4	0.00	2.55	23.31	67	488	160	95	0.00	0.0	7.151	0.118	0	0	0	109
PL.10824	PD.1975	ABC	#1/0 ACSR	7.35Y	122.4	0.01	2.56	23.31	10	488	160	95	0.04	0.0	7.176	0.025	3	1	1	109
PL.10663	PL.10824	ABC	#1/0 ACSR	7.34Y	122.4	0.03	2.59	23.19	10	486	159	95	0.10	0.0	7.246	0.070	0	0	0	108
PL.10552	PL.10663	ABC	#1/0 ACSR	7.34Y	122.4	0.05	2.64	23.16	10	485	159	95	0.15	0.0	7.355	0.109	0	0	1	106
PL.10553	PL.10552	ABC	#1/0 ACSR	7.34Y	122.3	0.02	2.66	23.14	10	484	159	95	0.06	0.0	7.399	0.044	0	0	0	105
PL.10753	PL.10553	A	#1/0 ACSR	7.34Y	122.3	0.00	2.66	10.28	4	73	20	96	0.00	0.0	7.404	0.005	0	0	0	24
PD.1938	PL.10753	A	25T	7.34Y	122.3	0.00	2.66	10.28	0	73	20	96	0.00	0.0	7.404	0.005	0	0	0	24
PL.10754	PD.1938	A	#1/0 ACSR	7.34Y	122.3	0.01	2.67	10.28	4	73	20	96	0.01	0.0	7.462	0.059	0	0	0	24
PL.10388	PL.10754	A	6 A (CWC)	7.34Y	122.3	0.03	2.70	7.51	5	53	14	97	0.01	0.0	7.563	0.101	3	1	1	16
PL.10550	PL.10388	A	#4 ACSR	7.34Y	122.3	0.00	2.71	1.13	1	8	2	97	0.00	0.0	7.617	0.054	0	0	1	2
PL.10551	PL.10550	A	#4 ACSR	7.34Y	122.3	0.00	2.71	1.06	1	8	2	97	0.00	0.0	7.685	0.069	8	2	1	1
PL.10554	PL.10388	A	#4 ACSR	7.34Y	122.3	0.01	2.72	5.92	5	42	11	97	0.00	0.0	7.613	0.050	5	1	1	13
PL.10555	PL.10554	A	#4 ACSR	7.34Y	122.3	0.02	2.73	5.26	4	37	10	97	0.00	0.0	7.693	0.081	4	1	1	12
PL.10556	PL.10555	A	#4 ACSR	7.34Y	122.3	0.01	2.75	4.70	4	33	9	96	0.00	0.0	7.746	0.052	0	0	0	11
PL.10557	PL.10556	A	#4 ACSR	7.33Y	122.2	0.01	2.76	4.27	3	30	8	97	0.00	0.0	7.820	0.074	12	3	2	10
PL.10558	PL.10557	A	#4 ACSR	7.33Y	122.2	0.01	2.76	2.51	2	18	5	96	0.00	0.0	7.871	0.052	3	1	1	8
PL.10658	PL.10558	A	#4 ACSR	7.33Y	122.2	0.00	2.77	2.16	2	15	4	97	0.00	0.0	7.937	0.065	11	3	1	7
PL.10659	PL.10658	A	#4 ACSR	7.33Y	122.2	0.00	2.77	0.68	1	5	1	98	0.00	0.0	8.014	0.077	1	0	2	6
PL.10390	PL.10659	A	#4 ACSR	7.33Y	122.2	0.00	2.77	0.00	0	0	0	100	0.00	0.0	8.074	0.060	0	0	0	0
PL.10665	PL.10659	A	#4 ACSR	7.33Y	122.2	0.00	2.77	0.47	0	3	1	95	0.00	0.0	8.148	0.133	1	0	1	4
PL.10666	PL.10665	A	#4 ACSR	7.33Y	122.2	0.00	2.77	0.31	0	2	1	89	0.00	0.0	8.212	0.064	0	0	0	3
PL.10664	PL.10666	A	#4 ACSR	7.33Y	122.2	0.00	2.77	0.31	0	2	1	89	0.00	0.0	8.289	0.077	0	0	1	3
PL.10392	PL.10664	A	#4 ACSR	7.33Y	122.2	0.00	2.77	0.31	0	2	1	89	0.00	0.0	8.387	0.098	1	0	1	2
PL.10416	PL.10392	A	#2 ACSR	7.33Y	122.2	0.00	2.77	0.19	0	1	0	100	0.00	0.0	8.470	0.083	0	0	0	1
PL.10417	PL.10416	A	#2 ACSR	7.33Y	122.2	0.00	2.77	0.19	0	1	0	100	0.00	0.0	8.529	0.059	0	0	0	1
PL.10418	PL.10417	A	#2 ACSR	7.33Y	122.2	0.00	2.77	0.19	0	1	0	100	0.00	0.0	8.580	0.052	1	0	1	1
PL.10419	PL.10417	A	#2 ACSR	7.33Y	122.2	0.00	2.77	0.00	0	0	0	100	0.00	0.0	8.614	0.086	0	0	0	0
PL.10420	PL.10419	A	#2 ACSR	7.33Y	122.2	0.00	2.77	0.00	0	0	0	100	0.00	0.0	8.695	0.081	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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru

PL.10421	PL.10420	A	#2 ACSR	7.33Y	122.2	0.00	2.77	0.00	0	0	0	100	0.00	0.0	8.787	0.091	0	0	0	0
PL.10422	PL.10421	A	#2 ACSR	7.33Y	122.2	0.00	2.77	0.00	0	0	0	100	0.00	0.0	8.835	0.049	0	0	0	0
PL.10389	PL.10556	A	#1/0 ACSR	7.34Y	122.3	0.00	2.75	0.43	0	3	1	95	0.00	0.0	7.773	0.027	3	1	1	1
PL.10446	PL.10754	A	#1/0 ACSR	7.34Y	122.3	0.00	2.67	2.77	1	20	5	97	0.00	0.0	7.529	0.066	5	1	1	8
PL.10387	PL.10446	A	#1/0 ACSR	7.34Y	122.3	0.00	2.67	0.07	0	1	0	100	0.00	0.0	7.570	0.042	1	0	1	1
PL.10548	PL.10446	A	#1/0 ACSR	7.34Y	122.3	0.00	2.68	2.03	1	14	4	96	0.00	0.0	7.590	0.062	2	0	1	6
PL.10549	PL.10548	A	#1/0 ACSR	7.34Y	122.3	0.00	2.68	1.81	1	13	3	97	0.00	0.0	7.636	0.046	4	1	1	5
PL.10547	PL.10549	A	#1/0 ACSR	7.34Y	122.3	0.00	2.68	1.18	1	8	2	97	0.00	0.0	7.709	0.073	1	0	2	4
PL.10727	PL.10547	A	#1/0 ACSR	7.34Y	122.3	0.00	2.68	1.03	0	7	2	96	0.00	0.0	7.764	0.055	0	0	1	2
PL.10728	PL.10727	A	#1/0 ACSR	7.34Y	122.3	0.00	2.68	0.99	0	7	2	96	0.00	0.0	7.793	0.029	7	2	1	1
PL.65804	PL.10553	ABC	#1/0 ACSR	7.34Y	122.3	0.02	2.68	19.72	9	411	139	95	0.07	0.0	7.463	0.064	0	0	0	81
PL.65805	PL.65804	ABC	#1/0 ACSR	7.34Y	122.3	0.01	2.69	13.28	6	282	77	96	0.03	0.0	7.521	0.059	0	0	0	81
PL.10545	PL.65805	ABC	#1/0 ACSR	7.34Y	122.3	0.02	2.71	13.28	6	282	77	96	0.03	0.0	7.593	0.072	13	3	3	81
PL.10546	PL.10545	ABC	#1/0 ACSR	7.34Y	122.3	0.01	2.72	12.68	6	269	73	97	0.02	0.0	7.630	0.037	0	0	0	78
PL.10447	PL.10546	ABC	#1/0 ACSR	7.34Y	122.3	0.02	2.74	12.07	5	256	69	97	0.04	0.0	7.728	0.098	0	0	0	74
PL.10394	PL.10447	A	#4 ACSR	7.34Y	122.3	0.00	2.74	1.90	1	13	4	96	0.00	0.0	7.732	0.005	0	0	0	4
PD.1965	PL.10394	A	15T	7.34Y	122.3	0.00	2.74	1.90	0	13	4	96	0.00	0.0	7.732	0.005	0	0	0	4
PL.10449	PD.1965	A	#4 ACSR	7.34Y	122.3	0.00	2.74	1.12	1	8	2	97	0.00	0.0	7.779	0.047	8	2	2	2
PL.10508	PD.1965	A	#4 ACSR	7.34Y	122.3	0.00	2.74	0.78	1	6	1	99	0.00	0.0	7.734	0.002	0	0	0	2
PL.10509	PL.10508	A	#4 ACSR	7.34Y	122.3	0.00	2.74	0.78	1	6	1	99	0.00	0.0	7.734	0.000	0	0	0	2
PL.10393	PL.10509	A	#4 ACSR	7.34Y	122.3	0.00	2.74	0.78	1	6	1	99	0.00	0.0	7.773	0.038	6	1	2	2
PL.10448	PL.10447	ABC	#1/0 ACSR	7.33Y	122.2	0.03	2.77	10.65	5	226	61	97	0.05	0.0	7.885	0.157	0	0	0	65
PL.10490	PL.10448	ABC	#1/0 ACSR	7.33Y	122.2	0.02	2.79	10.65	5	226	61	97	0.03	0.0	7.969	0.084	0	0	0	65
PL.10541	PL.10490	ABC	#1/0 ACSR	7.33Y	122.2	0.02	2.81	10.65	5	226	61	97	0.04	0.0	8.092	0.123	10	3	2	64
PL.10542	PL.10541	ABC	#1/0 ACSR	7.33Y	122.2	0.02	2.83	10.17	4	216	58	97	0.03	0.0	8.212	0.121	0	0	0	62
PL.10747	PL.10542	A	#4 ACSR	7.33Y	122.2	0.00	2.83	0.68	1	5	1	98	0.00	0.0	8.217	0.005	0	0	0	1
PD.1934	PL.10747	A	15T	7.33Y	122.2	0.00	2.83	0.68	0	5	1	98	0.00	0.0	8.217	0.005	0	0	0	1
PL.10748	PD.1934	A	#4 ACSR	7.33Y	122.2	0.00	2.83	0.68	1	5	1	98	0.00	0.0	8.229	0.012	5	1	1	1
PL.10502	PL.10542	ABC	#1/0 ACSR	7.33Y	122.2	0.02	2.85	9.94	4	211	57	97	0.02	0.0	8.308	0.096	2	0	1	61
PL.10395	PL.10502	C	#2 ACSR	7.33Y	122.2	0.00	2.85	2.77	2	20	5	97	0.00	0.0	8.313	0.005	0	0	0	5
PD.1935	PL.10395	C	15T	7.33Y	122.2	0.00	2.85	2.77	0	20	5	97	0.00	0.0	8.313	0.005	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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.10450	PD.1935	C	#2 ACSR	7.33Y	122.2	0.00	2.85	0.73	0	5	1	98	0.00	0.0	8.377	0.064	5	1	1	1
PL.10396	PD.1935	C	#2 ACSR	7.33Y	122.2	0.00	2.85	2.04	1	14	4	96	0.00	0.0	8.315	0.002	0	0	0	4
PL.10500	PL.10396	C	#2 ACSR	7.33Y	122.2	0.00	2.85	2.04	1	14	4	96	0.00	0.0	8.321	0.006	0	0	0	4
PL.10501	PL.10500	C	#2 ACSR	7.33Y	122.2	0.00	2.85	2.04	1	14	4	96	0.00	0.0	8.321	0.000	0	0	0	4
PL.10498	PL.10501	C	#2 ACSR	7.33Y	122.2	0.00	2.85	2.04	1	14	4	96	0.00	0.0	8.326	0.005	0	0	0	4
PL.10499	PL.10498	C	#2 ACSR	7.33Y	122.2	0.00	2.85	2.04	1	14	4	96	0.00	0.0	8.326	0.000	0	0	0	4
PL.10725	PL.10499	C	#2 ACSR	7.33Y	122.1	0.00	2.85	2.04	1	14	4	96	0.00	0.0	8.381	0.055	8	2	2	4
PL.10726	PL.10725	C	#2 ACSR	7.33Y	122.1	0.00	2.85	0.90	1	6	2	95	0.00	0.0	8.470	0.089	6	2	2	2
PL.10503	PL.10502	ABC	#1/0 ACSR	7.33Y	122.2	0.00	2.85	8.94	4	190	51	97	0.00	0.0	8.312	0.004	0	0	0	55
PL.10539	PL.10503	ABC	#1/0 ACSR	7.33Y	122.1	0.02	2.86	8.94	4	190	51	97	0.02	0.0	8.416	0.104	13	4	1	55
PL.10540	PL.10539	ABC	#1/0 ACSR	7.33Y	122.1	0.02	2.88	8.31	4	176	48	96	0.02	0.0	8.526	0.110	0	0	0	54
PL.10491	PL.10540	ABC	#1/0 ACSR	7.33Y	122.1	0.02	2.90	8.31	4	176	48	96	0.02	0.0	8.648	0.122	0	0	0	54
PL.10745	PL.10491	C	#4 ACSR	7.33Y	122.1	0.00	2.90	0.98	1	7	2	96	0.00	0.0	8.652	0.005	0	0	0	3
PD.1933	PL.10745	C	15T	7.33Y	122.1	0.00	2.90	0.98	0	7	2	96	0.00	0.0	8.652	0.005	0	0	0	3
PL.10746	PD.1933	C	#4 ACSR	7.33Y	122.1	0.00	2.90	0.98	1	7	2	96	0.00	0.0	8.696	0.044	7	2	3	3
PL.10451	PL.10491	ABC	#1/0 ACSR	7.32Y	122.1	0.02	2.92	7.99	3	169	46	96	0.03	0.0	8.813	0.166	0	0	0	51
PL.10530	PL.10451	ABC	#1/0 ACSR	7.32Y	122.1	0.01	2.93	6.10	3	129	35	97	0.01	0.0	8.883	0.069	4	1	1	36
PL.10531	PL.10530	ABC	#1/0 ACSR	7.32Y	122.1	0.01	2.94	5.92	3	126	34	97	0.01	0.0	8.936	0.054	0	0	0	35
PL.10429	PL.10531	ABC	#1/0 ACSR	7.32Y	122.1	0.01	2.95	5.92	3	126	34	97	0.01	0.0	9.034	0.098	0	0	0	35
PL.10527	PL.10429	ABC	#1/0 ACSR	7.32Y	122.0	0.01	2.96	5.92	3	126	34	97	0.01	0.0	9.120	0.086	9	2	2	35
PL.10528	PL.10527	ABC	#1/0 ACSR	7.32Y	122.0	0.00	2.96	5.49	2	116	31	97	0.00	0.0	9.153	0.033	0	0	0	33
PL.10399	PL.10528	ABC	#1/0 ACSR	7.32Y	122.0	0.00	2.96	5.49	2	116	31	97	0.00	0.0	9.200	0.047	0	0	0	33
PL.10807	PL.10399	C	#4 ACSR	7.32Y	122.0	0.00	2.96	0.50	0	4	1	97	0.00	0.0	9.205	0.005	0	0	0	2
PD.1967	PL.10807	C	15T	7.32Y	122.0	0.00	2.96	0.50	0	4	1	97	0.00	0.0	9.205	0.005	0	0	0	2
PL.10808	PD.1967	C	#4 ACSR	7.32Y	122.0	0.00	2.96	0.50	0	4	1	97	0.00	0.0	9.229	0.025	4	1	2	2
PL.10741	PL.10399	A	#4 ACSR	7.32Y	122.0	0.00	2.96	0.85	1	6	2	95	0.00	0.0	9.205	0.005	0	0	0	1
PD.1931	PL.10741	A	15T	7.32Y	122.0	0.00	2.96	0.85	0	6	2	95	0.00	0.0	9.205	0.005	0	0	0	1
PL.10742	PD.1931	A	#4 ACSR	7.32Y	122.0	0.00	2.96	0.85	1	6	2	95	0.00	0.0	9.224	0.019	6	2	1	1
PL.10452	PL.10399	ABC	#1/0 ACSR	7.32Y	122.0	0.00	2.97	5.04	2	107	29	97	0.00	0.0	9.228	0.028	0	0	0	30
PL.10400	PL.10452	ABC	#1/0 ACSR	7.32Y	122.0	0.01	2.97	5.04	2	107	29	97	0.00	0.0	9.292	0.064	0	0	0	30
PL.10459	PL.10400	ABC	#1/0 ACSR	7.32Y	122.0	0.00	2.98	4.91	2	104	28	97	0.00	0.0	9.341	0.048	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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.10493	PL.10459	ABC	#1/0 ACSR	7.32Y	122.0	0.01	2.98	4.91	2	104	28	97	0.00	0.0	9.412	0.071	0	0	0	29
PL.10492	PL.10493	ABC	#1/0 ACSR	7.32Y	122.0	0.01	2.99	4.91	2	104	28	97	0.01	0.0	9.507	0.095	0	0	0	29
PL.10453	PL.10492	ABC	#1/0 ACSR	7.32Y	122.0	0.00	2.99	3.98	2	84	23	96	0.00	0.0	9.546	0.039	0	0	0	25
PL.10522	PL.10453	ABC	#1/0 ACSR	7.32Y	122.0	0.01	3.00	3.66	2	78	21	97	0.00	0.0	9.624	0.078	2	1	1	22
PL.10523	PL.10522	ABC	#1/0 ACSR	7.32Y	122.0	0.00	3.00	3.56	2	75	20	97	0.00	0.0	9.664	0.040	0	0	0	21
PL.10403	PL.10523	ABC	#1/0 ACSR	7.32Y	122.0	0.00	3.00	3.56	2	75	20	97	0.00	0.0	9.667	0.003	0	0	0	21
PL.10809	PL.10403	A	#2 ACSR	7.32Y	122.0	0.00	3.00	10.00	6	71	19	97	0.00	0.0	9.672	0.005	0	0	0	19
PD.1968	PL.10809	A	T	7.32Y	122.0	0.00	3.00	10.00	0	71	19	97	0.00	0.0	9.672	0.005	0	0	0	19
PL.10810	PD.1968	A	#2 ACSR	7.32Y	122.0	0.01	3.01	10.00	6	71	19	97	0.00	0.0	9.701	0.029	0	0	0	19
PL.10513	PL.10810	A	6 A (CWC)	7.32Y	122.0	0.02	3.03	10.00	7	71	19	97	0.01	0.0	9.751	0.050	0	0	0	19
PL.10520	PL.10513	A	6 A (CWC)	7.32Y	122.0	0.01	3.04	4.14	3	29	8	96	0.00	0.0	9.782	0.031	5	1	2	6
PL.10521	PL.10520	A	6 A (CWC)	7.32Y	122.0	0.00	3.04	3.44	2	24	7	96	0.00	0.0	9.827	0.045	24	7	4	4
PL.10405	PL.10513	A	#4 ACSR	7.32Y	122.0	0.00	3.04	0.27	0	2	1	89	0.00	0.0	9.787	0.037	2	1	1	1
PL.10518	PL.10405	A	#4 ACSR	7.32Y	122.0	0.00	3.04	0.00	0	0	0	100	0.00	0.0	9.833	0.045	0	0	0	0
PL.10519	PL.10518	A	#4 ACSR	7.32Y	122.0	0.00	3.04	0.00	0	0	0	100	0.00	0.0	9.853	0.020	0	0	0	0
PL.10407	PL.10519	A	#4 ACSR	7.32Y	122.0	0.00	3.04	0.00	0	0	0	100	0.00	0.0	9.886	0.033	0	0	0	0
PL.10514	PL.10513	A	6 A (CWC)	7.32Y	121.9	0.03	3.06	5.60	4	40	11	96	0.01	0.0	9.863	0.112	0	0	0	12
PL.10524	PL.10514	A	6 A (CWC)	7.31Y	121.9	0.03	3.09	5.42	4	38	10	97	0.01	0.0	9.975	0.112	3	1	1	10
PL.10543	PL.10524	A	6 A (CWC)	7.31Y	121.9	0.01	3.10	4.99	4	35	10	96	0.00	0.0	10.015	0.041	11	3	1	9
PL.10544	PL.10543	A	6 A (CWC)	7.31Y	121.9	0.01	3.11	3.50	2	25	7	96	0.00	0.0	10.071	0.055	6	2	1	8
PL.10515	PL.10544	A	6 A (CWC)	7.31Y	121.9	0.01	3.11	2.59	2	18	5	96	0.00	0.0	10.163	0.092	9	3	3	7
PL.10525	PL.10515	A	6 A (CWC)	7.31Y	121.9	0.00	3.12	0.66	0	5	1	98	0.00	0.0	10.312	0.149	3	1	1	3
PL.10526	PL.10525	A	6 A (CWC)	7.31Y	121.9	0.00	3.12	0.18	0	1	0	100	0.00	0.0	10.483	0.172	1	0	2	2
PL.10406	PL.10515	A	6 A (CWC)	7.31Y	121.9	0.00	3.11	0.61	0	4	1	97	0.00	0.0	10.223	0.060	4	1	1	1
PL.10408	PL.10514	A	#4 ACSR	7.32Y	121.9	0.00	3.06	0.00	0	0	0	100	0.00	0.0	9.920	0.057	0	0	0	0
PL.10409	PL.10514	A	#4 ACSR	7.32Y	121.9	0.00	3.06	0.17	0	1	0	100	0.00	0.0	9.900	0.037	1	0	2	2
PL.10404	PL.10403	C	#4 ACSR	7.32Y	122.0	0.00	3.00	0.68	1	5	1	98	0.00	0.0	9.689	0.022	5	1	2	2
PL.10739	PL.10453	C	#1/0 ACSR	7.32Y	122.0	0.00	2.99	0.96	0	7	2	96	0.00	0.0	9.550	0.005	0	0	0	3
PD.1930	PL.10739	C	15T	7.32Y	122.0	0.00	2.99	0.96	0	7	2	96	0.00	0.0	9.550	0.005	0	0	0	3
PL.10740	PD.1930	C	#1/0 ACSR	7.32Y	122.0	0.00	2.99	0.96	0	7	2	96	0.00	0.0	9.576	0.026	7	2	3	3
PL.10737	PL.10492	C	#4 ACSR	7.32Y	122.0	0.00	2.99	2.78	2	20	5	97	0.00	0.0	9.511	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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.1929	PL.10737	C	15T	7.32Y	122.0	0.00	2.99	2.78	0	20	5	97	0.00	0.0	9.511	0.005	0	0	0	4
PL.10738	PD.1929	C	#4 ACSR	7.32Y	122.0	0.01	3.00	2.78	2	20	5	97	0.00	0.0	9.572	0.060	0	0	0	4
PL.10402	PL.10738	C	#4 ACSR	7.32Y	122.0	0.00	3.00	2.78	2	20	5	97	0.00	0.0	9.609	0.037	20	5	4	4
PL.10811	PL.10400	C	#4 ACSR	7.32Y	122.0	0.00	2.97	0.40	0	3	1	95	0.00	0.0	9.297	0.005	0	0	0	1
PD.1969	PL.10811	C	15T	7.32Y	122.0	0.00	2.97	0.40	0	3	1	95	0.00	0.0	9.297	0.005	0	0	0	1
PL.10812	PD.1969	C	#4 ACSR	7.32Y	122.0	0.00	2.97	0.40	0	3	1	95	0.00	0.0	9.330	0.033	0	0	0	1
PL.10401	PL.10812	C	#4 ACSR	7.32Y	122.0	0.00	2.97	0.00	0	0	0	100	0.00	0.0	9.366	0.036	0	0	0	0
PL.10537	PL.10812	C	6 A (CWC)	7.32Y	122.0	0.00	2.97	0.40	0	3	1	95	0.00	0.0	9.402	0.072	0	0	0	1
PL.10538	PL.10537	C	6 A (CWC)	7.32Y	122.0	0.00	2.97	0.40	0	3	1	95	0.00	0.0	9.454	0.052	3	1	1	1
PL.10805	PL.10451	C	#2 ACSR	7.32Y	122.1	0.00	2.92	2.16	1	15	4	97	0.00	0.0	8.818	0.005	0	0	0	7
PD.1966	PL.10805	C	15T	7.32Y	122.1	0.00	2.92	2.16	0	15	4	97	0.00	0.0	8.818	0.005	0	0	0	7
PL.10806	PD.1966	C	#2 ACSR	7.32Y	122.1	0.00	2.93	2.16	1	15	4	97	0.00	0.0	8.861	0.043	4	1	2	7
PL.10536	PL.10806	C	#2 ACSR	7.32Y	122.1	0.00	2.93	1.55	1	11	3	96	0.00	0.0	8.898	0.037	6	2	1	5
PL.10534	PL.10536	C	#2 ACSR	7.32Y	122.1	0.00	2.93	0.70	0	5	1	98	0.00	0.0	8.929	0.031	0	0	1	4
PL.10535	PL.10534	C	#2 ACSR	7.32Y	122.1	0.00	2.93	0.70	0	5	1	98	0.00	0.0	8.979	0.051	5	1	3	3
PL.10743	PL.10451	A	#2 ACSR	7.32Y	122.1	0.00	2.92	3.51	2	25	7	96	0.00	0.0	8.818	0.005	0	0	0	8
PD.1932	PL.10743	A	15T	7.32Y	122.1	0.00	2.92	3.51	0	25	7	96	0.00	0.0	8.818	0.005	0	0	0	8
PL.10744	PD.1932	A	#2 ACSR	7.32Y	122.1	0.00	2.92	3.51	2	25	7	96	0.00	0.0	8.829	0.011	7	2	1	8
PL.10532	PL.10744	A	#2 ACSR	7.32Y	122.1	0.00	2.93	2.49	1	18	5	96	0.00	0.0	8.865	0.036	3	1	1	7
PL.10533	PL.10532	A	#4 ACSR	7.32Y	122.1	0.00	2.93	2.05	2	15	4	97	0.00	0.0	8.916	0.052	10	3	3	6
PL.10529	PL.10533	A	#2 ACSR	7.32Y	122.1	0.00	2.93	0.65	0	5	1	98	0.00	0.0	8.958	0.042	0	0	0	3
PL.10397	PL.10529	A	#2 ACSR	7.32Y	122.1	0.00	2.93	0.65	0	5	1	98	0.00	0.0	9.028	0.071	0	0	0	3
PL.10398	PL.10397	A	#2 ACSR	7.32Y	122.1	0.00	2.93	0.65	0	5	1	98	0.00	0.0	9.072	0.043	0	0	0	3
PL.10411	PL.10398	A	#2 ACSR	7.32Y	122.1	0.00	2.93	0.65	0	5	1	98	0.00	0.0	9.108	0.036	0	0	0	3
PL.10412	PL.10411	A	#2 ACSR	7.32Y	122.1	0.00	2.94	0.65	0	5	1	98	0.00	0.0	9.180	0.072	3	1	1	3
PL.10413	PL.10412	A	#2 ACSR	7.32Y	122.1	0.00	2.94	0.29	0	2	1	89	0.00	0.0	9.226	0.046	2	1	1	2
PL.10414	PL.10413	A	#2 ACSR	7.32Y	122.1	0.00	2.94	0.02	0	0	0	100	0.00	0.0	9.263	0.037	0	0	0	1
PL.10415	PL.10414	A	#1/0 ACSR	7.32Y	122.1	0.00	2.94	0.02	0	0	0	100	0.00	0.0	9.280	0.017	0	0	1	1
PL.10749	PL.10490	C	#1/0 ACSR	7.33Y	122.2	0.00	2.79	0.02	0	0	0	100	0.00	0.0	7.973	0.005	0	0	0	1
PD.1936	PL.10749	C	15T	7.33Y	122.2	0.00	2.79	0.02	0	0	0	100	0.00	0.0	7.973	0.005	0	0	0	1
PL.10750	PD.1936	C	#1/0 ACSR	7.33Y	122.2	0.00	2.79	0.02	0	0	0	100	0.00	0.0	8.066	0.092	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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.10751	PL.10447	C	#4 ACSR	7.34Y	122.3	0.00	2.74	2.35	2	17	4	97	0.00	0.0	7.732	0.005	0	0	0	5
PD.1937	PL.10751	C	15T	7.34Y	122.3	0.00	2.74	2.35	0	17	4	97	0.00	0.0	7.732	0.005	0	0	0	5
PL.10752	PD.1937	C	#4 ACSR	7.34Y	122.3	0.00	2.74	2.35	2	17	4	97	0.00	0.0	7.758	0.026	17	4	5	5
PL.10801	PL.10546	A	#1/0 ACSR	7.34Y	122.3	0.00	2.72	1.19	1	8	2	97	0.00	0.0	7.635	0.005	0	0	0	3
PD.1963	PL.10801	A	15T	7.34Y	122.3	0.00	2.72	1.19	0	8	2	97	0.00	0.0	7.635	0.005	0	0	0	3
PL.10802	PD.1963	A	#1/0 ACSR	7.34Y	122.3	0.00	2.72	1.19	1	8	2	97	0.00	0.0	7.663	0.029	8	2	3	3
PL.10803	PL.10546	C	#1/0 ACSR	7.34Y	122.3	0.00	2.72	0.64	0	5	1	98	0.00	0.0	7.635	0.005	0	0	0	1
PD.1964	PL.10803	C	15T	7.34Y	122.3	0.00	2.72	0.64	0	5	1	98	0.00	0.0	7.635	0.005	0	0	0	1
PL.10804	PD.1964	C	#1/0 ACSR	7.34Y	122.3	0.00	2.72	0.64	0	5	1	98	0.00	0.0	7.650	0.015	5	1	1	1
PL.65803	PL.65804	ABC	#1/0 ACSR	7.34Y	122.3	0.00	2.68	6.51	3	129	62	90	0.00	0.0	7.530	0.067	129	62	0	0
PL.10755	PL.10663	C	#4 ACSR	7.34Y	122.4	0.00	2.59	0.10	0	1	0	100	0.00	0.0	7.251	0.005	0	0	0	2
PD.1939	PL.10755	C	15T	7.34Y	122.4	0.00	2.59	0.10	0	1	0	100	0.00	0.0	7.251	0.005	0	0	0	2
PL.10756	PD.1939	C	#4 ACSR	7.34Y	122.4	0.00	2.59	0.10	0	1	0	100	0.00	0.0	7.335	0.084	1	0	2	2
PL.10757	PL.10505	C	#2 ACSR	7.35Y	122.6	0.00	2.44	0.27	0	2	1	89	0.00	0.0	6.910	0.005	0	0	0	2
PD.1940	PL.10757	C	30T	7.35Y	122.6	0.00	2.44	0.27	0	2	1	89	0.00	0.0	6.910	0.005	0	0	0	2
PL.10758	PD.1940	C	#2 ACSR	7.35Y	122.6	0.00	2.44	0.27	0	2	1	89	0.00	0.0	6.931	0.022	2	1	2	2
PL.10813	PL.10826	A	#2 ACSR	7.36Y	122.6	0.00	2.38	1.40	1	10	3	96	0.00	0.0	6.754	0.004	0	0	0	5
PD.1970	PL.10813	A	30T	7.36Y	122.6	0.00	2.38	1.40	0	10	3	96	0.00	0.0	6.754	0.004	0	0	0	5
PL.10814	PD.1970	A	#2 ACSR	7.36Y	122.6	0.00	2.38	1.40	1	10	3	96	0.00	0.0	6.757	0.004	0	0	0	5
PL.10352	PL.10814	A	6 A (CWC)	7.36Y	122.6	0.00	2.38	0.85	1	6	2	95	0.00	0.0	6.855	0.098	0	0	0	4
PL.10721	PL.10352	A	6 A (CWC)	7.36Y	122.6	0.00	2.38	0.85	1	6	2	95	0.00	0.0	6.959	0.104	0	0	0	4
PL.10722	PL.10721	A	6 A (CWC)	7.36Y	122.6	0.00	2.39	0.85	1	6	2	95	0.00	0.0	7.038	0.079	1	0	1	4
PL.10661	PL.10722	A	6 A (CWC)	7.36Y	122.6	0.00	2.39	0.73	1	5	1	98	0.00	0.0	7.121	0.083	3	1	1	3
PL.10660	PL.10661	A	6 A (CWC)	7.36Y	122.6	0.00	2.39	0.35	0	3	1	95	0.00	0.0	7.240	0.118	0	0	1	2
PL.10385	PL.10660	A	#4 ACSR	7.36Y	122.6	0.00	2.39	0.34	0	2	1	89	0.00	0.0	7.290	0.051	0	0	0	1
PL.10423	PL.10385	A	#1/0 ACSR	7.36Y	122.6	0.00	2.39	0.34	0	2	1	89	0.00	0.0	7.338	0.048	0	0	0	1
PL.10424	PL.10423	A	#1/0 ACSR	7.36Y	122.6	0.00	2.39	0.34	0	2	1	89	0.00	0.0	7.474	0.136	2	1	1	1
PL.10495	PL.10660	A	6 A (CWC)	7.36Y	122.6	0.00	2.39	0.00	0	0	0	100	0.00	0.0	7.331	0.091	0	0	0	0
PL.10351	PL.10814	A	#2 ACSR	7.36Y	122.6	0.00	2.38	0.55	0	4	1	97	0.00	0.0	6.801	0.044	4	1	1	1
CP.19	PL.10825	ABC	Cap (300)	7.36Y	122.6	0.00	2.37	0.00	0	0	0	100	0.00	0.0	6.732	0.044	0	0	0	0
PL.10761	PL.10672	C	#4 ACSR	7.36Y	122.7	0.00	2.27	0.12	0	1	0	100	0.00	0.0	6.531	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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.1942	PL.10761	C	30T	7.36Y	122.7	0.00	2.27	0.12	0	1	0	100	0.00	0.0	6.531	0.005	0	0	0	1
PL.10762	PD.1942	C	#4 ACSR	7.36Y	122.7	0.00	2.27	0.12	0	1	0	100	0.00	0.0	6.552	0.021	1	0	1	1
PL.10793	PL.10672	A	#2 ACSR	7.36Y	122.7	0.00	2.27	3.49	2	25	7	96	0.00	0.0	6.533	0.007	0	0	0	9
PD.1958	PL.10793	A	30T	7.36Y	122.7	0.00	2.27	3.49	0	25	7	96	0.00	0.0	6.533	0.007	0	0	0	9
PL.10794	PD.1958	A	#2 ACSR	7.36Y	122.7	0.00	2.28	3.49	2	25	7	96	0.00	0.0	6.546	0.013	1	0	2	9
PL.10667	PL.10794	A	#4 ACSR	7.36Y	122.7	0.01	2.29	3.35	3	24	6	97	0.00	0.0	6.651	0.106	7	2	2	7
PL.10668	PL.10667	A	#4 ACSR	7.36Y	122.7	0.00	2.29	2.42	2	17	5	96	0.00	0.0	6.704	0.053	7	2	2	5
PL.10386	PL.10668	A	#1/0 ACSR	7.36Y	122.7	0.00	2.30	1.47	1	10	3	96	0.00	0.0	6.748	0.044	0	0	0	3
PL.10669	PL.10386	A	#1/0 ACSR	7.36Y	122.7	0.00	2.30	1.47	1	10	3	96	0.00	0.0	6.806	0.057	4	1	2	3
PL.10670	PL.10669	A	#1/0 ACSR	7.36Y	122.7	0.00	2.30	0.91	0	6	2	95	0.00	0.0	6.907	0.101	6	2	1	1
PL.10767	PL.10443	A	#4 ACSR	7.38Y	123.0	0.00	2.03	0.47	0	3	1	95	0.00	0.0	5.958	0.005	0	0	0	1
PD.1945	PL.10767	A	30T	7.38Y	123.0	0.00	2.03	0.47	0	3	1	95	0.00	0.0	5.958	0.005	0	0	0	1
PL.10768	PD.1945	A	#4 ACSR	7.38Y	123.0	0.00	2.03	0.47	0	3	1	95	0.00	0.0	5.983	0.025	3	1	1	1
PL.10765	PL.10442	C	#4 ACSR	7.38Y	123.0	0.00	1.99	1.38	1	10	3	96	0.00	0.0	5.797	0.005	0	0	0	2
PD.1944	PL.10765	C	30T	7.38Y	123.0	0.00	1.99	1.38	0	10	3	96	0.00	0.0	5.797	0.005	0	0	0	2
PL.10766	PD.1944	C	#4 ACSR	7.38Y	123.0	0.00	1.99	1.38	1	10	3	96	0.00	0.0	5.810	0.014	10	3	2	2
PL.10773	PL.10692	A	#4 ACSR	7.38Y	123.0	0.00	1.98	0.38	0	3	1	95	0.00	0.0	5.759	0.005	0	0	0	1
PD.1948	PL.10773	A	30T	7.38Y	123.0	0.00	1.98	0.38	0	3	1	95	0.00	0.0	5.759	0.005	0	0	0	1
PL.10774	PD.1948	A	#4 ACSR	7.38Y	123.0	0.00	1.98	0.38	0	3	1	95	0.00	0.0	5.792	0.033	3	1	1	1
PL.10815	PL.10507	A	#4 ACSR	7.39Y	123.1	0.00	1.88	0.04	0	0	0	100	0.00	0.0	5.361	0.005	0	0	0	1
PD.1971	PL.10815	A	30T	7.39Y	123.1	0.00	1.88	0.04	0	0	0	100	0.00	0.0	5.361	0.005	0	0	0	1
PL.10816	PD.1971	A	#4 ACSR	7.39Y	123.1	0.00	1.88	0.04	0	0	0	100	0.00	0.0	5.366	0.005	0	0	1	1
PL.10771	PL.10689	A	#4 ACSR	7.39Y	123.2	0.00	1.81	0.56	0	4	1	97	0.00	0.0	5.077	0.005	0	0	0	2
PD.1947	PL.10771	A	30T	7.39Y	123.2	0.00	1.81	0.56	0	4	1	97	0.00	0.0	5.077	0.005	0	0	0	2
PL.10772	PD.1947	A	#4 ACSR	7.39Y	123.2	0.00	1.81	0.56	0	4	1	97	0.00	0.0	5.107	0.029	4	1	2	2
PL.10345	PL.10344	C	#4 ACSR	7.40Y	123.3	0.00	1.73	0.27	0	2	1	89	0.00	0.0	4.817	0.042	2	1	1	1
PL.10342	PL.10438	A	#1/0 ACSR	7.41Y	123.5	0.00	1.49	3.05	1	22	6	96	0.00	0.0	3.909	0.045	1	0	1	9
PL.10360	PL.10342	A	#4 ACSR	7.41Y	123.5	0.00	1.49	2.97	2	21	6	96	0.00	0.0	3.914	0.005	0	0	0	8
PD.1961	PL.10360	A	30T	7.41Y	123.5	0.00	1.49	2.97	0	21	6	96	0.00	0.0	3.914	0.005	0	0	0	8
PL.10496	PD.1961	A	#4 ACSR	7.41Y	123.5	0.00	1.49	0.00	0	0	0	100	0.00	0.0	3.918	0.004	0	0	0	0
PL.10497	PL.10496	A	#4 ACSR	7.41Y	123.5	0.00	1.49	0.00	0	0	0	100	0.00	0.0	3.918	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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.10362	PL.10497	A	#4 ACSR	7.41Y	123.5	0.00	1.49	0.00	0	0	0	100	0.00	0.0	3.988	0.070	0	0	0	0
PL.10440	PD.1961	A	#4 ACSR	7.41Y	123.5	0.01	1.50	2.97	2	21	6	96	0.00	0.0	4.005	0.091	0	0	1	8
PL.10361	PL.10440	A	#4 ACSR	7.41Y	123.5	0.01	1.51	2.97	2	21	6	96	0.00	0.0	4.096	0.091	0	0	0	7
PL.10494	PL.10361	A	#4 ACSR	7.41Y	123.5	0.01	1.53	2.97	2	21	6	96	0.00	0.0	4.199	0.103	0	0	0	7
PL.10483	PL.10494	A	#4 ACSR	7.41Y	123.5	0.01	1.54	2.97	2	21	6	96	0.00	0.0	4.290	0.091	0	0	0	7
PL.10484	PL.10483	A	#4 ACSR	7.41Y	123.4	0.02	1.55	2.97	2	21	6	96	0.00	0.0	4.421	0.131	4	1	1	7
PL.10372	PL.10484	A	#4 ACSR	7.41Y	123.4	0.00	1.56	2.45	2	18	5	96	0.00	0.0	4.445	0.024	0	0	0	6
PL.10713	PL.10372	A	#4 ACSR	7.41Y	123.4	0.01	1.56	2.45	2	18	5	96	0.00	0.0	4.524	0.078	4	1	1	6
PL.10714	PL.10713	A	#4 ACSR	7.41Y	123.4	0.01	1.57	1.89	1	13	4	96	0.00	0.0	4.595	0.071	0	0	0	5
PL.10707	PL.10714	A	#4 ACSR	7.41Y	123.4	0.00	1.58	1.89	1	13	4	96	0.00	0.0	4.662	0.067	3	1	1	5
PL.10708	PL.10707	A	#4 ACSR	7.41Y	123.4	0.01	1.58	1.43	1	10	3	96	0.00	0.0	4.741	0.080	0	0	0	4
PL.10410	PL.10708	A	#4 ACSR	7.40Y	123.4	0.01	1.59	1.43	1	10	3	96	0.00	0.0	4.861	0.119	0	0	0	4
PL.10373	PL.10410	A	#4 ACSR	7.40Y	123.4	0.01	1.60	1.43	1	10	3	96	0.00	0.0	5.030	0.170	0	0	0	4
PL.10364	PL.10373	A	#4 ACSR	7.40Y	123.4	0.01	1.60	1.43	1	10	3	96	0.00	0.0	5.117	0.086	1	0	1	4
PL.10365	PL.10364	A	#4 ACSR	7.40Y	123.4	0.00	1.60	0.00	0	0	0	100	0.00	0.0	5.203	0.087	0	0	0	0
PL.10376	PL.10364	A	#4 ACSR	7.40Y	123.4	0.00	1.60	0.00	0	0	0	100	0.00	0.0	5.157	0.041	0	0	0	0
PL.10377	PL.10376	A	#4 ACSR	7.40Y	123.4	0.00	1.60	0.00	0	0	0	100	0.00	0.0	5.227	0.070	0	0	0	0
PL.10374	PL.10364	A	#4 ACSR	7.40Y	123.4	0.00	1.61	1.28	1	9	2	98	0.00	0.0	5.183	0.067	0	0	0	3
PL.10375	PL.10374	A	#4 ACSR	7.40Y	123.4	0.00	1.61	1.28	1	9	2	98	0.00	0.0	5.223	0.040	0	0	0	3
PL.10715	PL.10375	A	#4 ACSR	7.40Y	123.4	0.00	1.61	1.28	1	9	2	98	0.00	0.0	5.303	0.081	3	1	1	3
PL.10716	PL.10715	A	#4 ACSR	7.40Y	123.4	0.00	1.62	0.80	1	6	2	95	0.00	0.0	5.361	0.058	2	1	1	2
PL.10723	PL.10716	A	#4 ACSR	7.40Y	123.4	0.00	1.62	0.45	0	3	1	95	0.00	0.0	5.465	0.103	0	0	0	1
PL.10724	PL.10723	A	#4 ACSR	7.40Y	123.4	0.00	1.62	0.45	0	3	1	95	0.00	0.0	5.609	0.144	3	1	1	1
PL.10363	PL.10708	A	#4 ACSR	7.41Y	123.4	0.00	1.58	0.00	0	0	0	100	0.00	0.0	4.803	0.062	0	0	0	0
PL.10797	PL.10730	C	#4 ACSR	7.42Y	123.6	0.00	1.38	0.00	0	0	0	100	0.00	0.0	3.494	0.005	0	0	0	0
PD.1960	PL.10797	C	30T	7.42Y	123.6	0.00	1.38	0.00	0	0	0	100	0.00	0.0	3.494	0.005	0	0	0	0
PL.10798	PD.1960	C	#2 ACSR	7.42Y	123.6	0.00	1.38	0.00	0	0	0	100	0.00	0.0	3.527	0.034	0	0	0	0
PL.21286	PL.21287	B	#1/0 ACSR	7.42Y	123.7	0.00	1.30	0.01	0	0	0	100	0.00	0.0	3.414	0.152	0	0	1	1
PL.28005	PL.10481	B	#1/0 ACSR	7.43Y	123.8	0.00	1.23	0.00	0	0	0	100	0.00	0.0	3.128	0.058	0	0	0	0
PL.10795	PL.10341	A	#1/0 ACSR	7.45Y	124.2	0.00	0.85	0.33	0	2	1	89	0.00	0.0	2.106	0.005	0	0	0	3
PD.1959	PL.10795	A	65T	7.45Y	124.2	0.00	0.85	0.33	0	2	1	89	0.00	0.0	2.106	0.005	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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru

PL.10796	PD.1959	A	#1/0 ACSR	7.45Y	124.2	0.00	0.85	0.33	0	2	1	89	0.00	0.0	2.119	0.013	0	0	0	3
PL.10354	PL.10796	A	#1/0 ACSR	7.45Y	124.2	0.00	0.85	0.33	0	2	1	89	0.00	0.0	2.172	0.054	2	1	3	3
PL.10719	PL.10473	ABC	#4 ACSR	7.49Y	124.9	0.01	0.11	4.38	3	92	36	93	0.00	0.0	0.297	0.055	38	10	1	2
PL.10720	PL.10719	ABC	#4 ACSR	7.49Y	124.9	0.00	0.12	2.64	2	53	26	90	0.00	0.0	0.322	0.026	53	26	1	1
PL.11513	Oneida	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	8.34	2	178	60	95	0.00	0.0	0.010	0.010	0	0	0	63
PL.27886	PL.11513	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	8.34	2	178	60	95	0.00	0.0	0.013	0.003	0	0	0	63
----- Feeder No. 2 (Lit Bullskin F2) Beginning with Device PD.3859 -----																				
PD.3859	PL.27886	ABC	360VWE	7.50Y	125.0	0.00	0.00	8.34	0	178	60	95	0.00	0.0	0.013	0.003	0	0	0	63
PL.11514	PD.3859	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	8.34	2	178	60	95	0.00	0.0	0.018	0.005	0	0	0	63
PL.10229	PL.11514	ABC	#1/0 ACSR	7.50Y	125.0	0.00	0.00	0.00	0	0	0	100	0.00	0.0	0.025	0.007	0	0	0	0
PL.10246	PL.11514	ABC	336 MCM AC	7.50Y	125.0	0.01	0.01	8.34	2	178	60	95	0.01	0.0	0.106	0.088	0	0	0	63
PL.10319	PL.10246	C	#1/0 ACSR	7.50Y	125.0	0.00	0.01	0.21	0	2	0	100	0.00	0.0	0.110	0.004	0	0	0	2
PD.1916	PL.10319	C	65T	7.50Y	125.0	0.00	0.01	0.21	0	2	0	100	0.00	0.0	0.110	0.004	0	0	0	2
PL.10320	PD.1916	C	#1/0 ACSR	7.50Y	125.0	0.00	0.01	0.21	0	2	0	100	0.00	0.0	0.166	0.055	2	0	2	2
PL.10273	PL.10246	ABC	336 MCM AC	7.50Y	125.0	0.01	0.01	8.28	2	176	60	95	0.00	0.0	0.186	0.079	0	0	0	61
PL.10274	PL.10273	ABC	336 MCM AC	7.50Y	125.0	0.00	0.01	8.28	2	176	60	95	0.00	0.0	0.207	0.021	0	0	0	61
PL.10247	PL.10274	ABC	336 MCM AC	7.50Y	125.0	0.01	0.02	8.23	2	175	60	95	0.01	0.0	0.349	0.143	0	0	0	59
PL.10228	PL.10247	ABC	336 MCM AC	7.50Y	125.0	0.00	0.03	8.23	2	175	59	95	0.00	0.0	0.417	0.067	0	0	0	59
PL.10256	PL.10228	ABC	336 MCM AC	7.50Y	125.0	0.01	0.03	8.23	2	175	59	95	0.00	0.0	0.497	0.081	0	0	0	59
PL.10257	PL.10256	ABC	336 MCM AC	7.50Y	125.0	0.01	0.04	8.23	2	175	59	95	0.01	0.0	0.606	0.109	1	0	1	59
PL.10230	PL.10257	C	#2 ACSR	7.50Y	125.0	0.00	0.04	0.23	0	2	0	100	0.00	0.0	0.632	0.026	2	0	1	1
PL.10275	PL.10257	ABC	336 MCM AC	7.50Y	125.0	0.00	0.04	8.13	2	173	59	95	0.00	0.0	0.651	0.045	1	0	1	57
PL.10276	PL.10275	ABC	336 MCM AC	7.50Y	125.0	0.01	0.05	8.07	2	172	59	95	0.01	0.0	0.744	0.093	2	0	1	56
PL.10323	PL.10276	C	6 A (CWC)	7.50Y	125.0	0.00	0.05	4.38	3	32	9	96	0.00	0.0	0.749	0.005	0	0	0	7
PD.1918	PL.10323	C	65T	7.50Y	125.0	0.00	0.05	4.38	0	32	9	96	0.00	0.0	0.749	0.005	0	0	0	7
PL.10324	PD.1918	C	6 A (CWC)	7.50Y	124.9	0.02	0.07	4.38	3	32	9	96	0.00	0.0	0.838	0.089	0	0	0	7
PL.10277	PL.10324	C	#4 ACSR	7.50Y	124.9	0.00	0.07	2.48	2	18	5	96	0.00	0.0	0.910	0.073	14	4	2	4
PL.10278	PL.10277	C	#4 ACSR	7.50Y	124.9	0.00	0.07	0.51	0	4	1	97	0.00	0.0	0.926	0.016	4	1	2	2
PL.10233	PL.10324	C	#4 ACSR	7.50Y	124.9	0.00	0.07	0.40	0	3	1	95	0.00	0.0	0.942	0.104	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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.10234	PL.10324	C	#4 ACSR	7.50Y	124.9	0.00	0.07	1.50	1	11	3	96	0.00	0.0	0.913	0.075	0	0	0	2
PL.10279	PL.10234	C	6 A (CWC)	7.50Y	124.9	0.00	0.07	1.31	1	9	3	95	0.00	0.0	0.956	0.043	9	3	1	1
PL.10280	PL.10279	C	#1/0 ACSR	7.50Y	124.9	0.00	0.07	0.00	0	0	0	100	0.00	0.0	1.007	0.051	0	0	0	0
PL.10248	PL.10234	C	#4 ACSR	7.50Y	124.9	0.00	0.07	0.19	0	1	0	100	0.00	0.0	1.019	0.106	1	0	1	1
PL.10232	PL.10248	C	#4 ACSR	7.50Y	124.9	0.00	0.07	0.00	0	0	0	100	0.00	0.0	1.079	0.060	0	0	0	0
PL.10227	PL.10276	ABC	336 MCM AC	7.50Y	124.9	0.01	0.06	6.55	1	139	50	94	0.01	0.0	0.911	0.167	0	0	0	48
PL.10258	PL.10227	ABC	336 MCM AC	7.50Y	124.9	0.01	0.06	6.55	1	139	50	94	0.00	0.0	1.021	0.110	0	0	0	48
PL.10231	PL.10258	ABC	336 MCM AC	7.50Y	124.9	0.00	0.07	6.38	1	135	49	94	0.00	0.0	1.077	0.056	0	0	0	47
PL.10331	PL.10231	C	6 A (CWC)	7.50Y	124.9	0.00	0.07	0.92	1	7	2	96	0.00	0.0	1.082	0.005	0	0	0	4
PD.1922	PL.10331	C	65T	7.50Y	124.9	0.00	0.07	0.92	0	7	2	96	0.00	0.0	1.082	0.005	0	0	0	4
PL.10332	PD.1922	C	6 A (CWC)	7.50Y	124.9	0.00	0.07	0.92	1	7	2	96	0.00	0.0	1.181	0.100	7	2	4	4
PL.10250	PL.10231	ABC	336 MCM AC	7.50Y	124.9	0.01	0.07	6.07	1	128	47	94	0.00	0.0	1.197	0.120	0	0	0	43
PL.10249	PL.10250	ABC	336 MCM AC	7.50Y	124.9	0.00	0.07	4.82	1	101	39	93	0.00	0.0	1.257	0.060	0	0	0	33
PL.10251	PL.10249	ABC	336 MCM AC	7.50Y	124.9	0.00	0.08	4.76	1	100	39	93	0.00	0.0	1.369	0.112	0	0	0	32
PL.10252	PL.10251	ABC	336 MCM AC	7.49Y	124.9	0.01	0.09	4.65	1	97	38	93	0.00	0.0	1.536	0.167	0	0	0	31
PL.10253	PL.10252	ABC	336 MCM AC	7.49Y	124.9	0.00	0.09	4.57	1	96	38	93	0.00	0.0	1.651	0.115	0	0	0	27
PL.10259	PL.10253	ABC	336 MCM AC	7.49Y	124.9	0.00	0.09	4.57	1	96	38	93	0.00	0.0	1.729	0.077	0	0	0	27
PL.10260	PL.10259	ABC	336 MCM AC	7.49Y	124.9	0.01	0.10	4.57	1	96	38	93	0.00	0.0	1.877	0.148	0	0	0	27
PL.10255	PL.10260	ABC	336 MCM AC	7.49Y	124.9	0.01	0.10	4.57	1	96	38	93	0.00	0.0	2.013	0.136	0	0	0	27
PL.10287	PL.10255	ABC	#1/0 ACSR	7.49Y	124.9	0.00	0.11	4.57	2	96	38	93	0.00	0.0	2.038	0.026	1	0	2	27
PL.10339	PL.10287	ABC	#1/0 ACSR	7.49Y	124.9	0.00	0.11	4.54	2	95	38	93	0.00	0.0	2.073	0.034	0	0	0	25
PD.1926	PL.10339	ABC	50L	7.49Y	124.9	0.00	0.11	4.54	9	95	38	93	0.00	0.0	2.073	0.034	0	0	0	25
PL.10340	PD.1926	ABC	#1/0 ACSR	7.49Y	124.9	0.01	0.12	4.54	2	95	38	93	0.01	0.0	2.171	0.099	0	0	0	25
PL.10261	PL.10340	ABC	#1/0 ACSR	7.49Y	124.9	0.01	0.13	4.54	2	95	38	93	0.01	0.0	2.294	0.123	0	0	0	25
PL.10288	PL.10261	ABC	#1/0 ACSR	7.49Y	124.9	0.01	0.14	4.54	2	95	38	93	0.01	0.0	2.404	0.110	7	2	2	25
PL.10289	PL.10288	ABC	#1/0 ACSR	7.49Y	124.9	0.01	0.14	4.21	2	88	36	93	0.00	0.0	2.492	0.088	0	0	0	23
PL.10290	PL.10289	ABC	#1/0 ACSR	7.49Y	124.8	0.01	0.15	4.21	2	88	36	93	0.00	0.0	2.594	0.102	0	0	0	23
PL.10291	PL.10290	ABC	#1/0 ACSR	7.49Y	124.8	0.01	0.16	4.21	2	88	36	93	0.00	0.0	2.682	0.087	0	0	0	23
PL.10241	PL.10291	A	6 A (CWC)	7.49Y	124.8	0.00	0.16	0.46	0	3	1	95	0.00	0.0	2.856	0.175	0	0	0	4
PL.10262	PL.10241	A	6 A (CWC)	7.49Y	124.8	0.00	0.17	0.46	0	3	1	95	0.00	0.0	3.032	0.175	0	0	0	4
PL.10307	PL.10262	A	6 A (CWC)	7.49Y	124.8	0.00	0.17	0.46	0	3	1	95	0.00	0.0	3.084	0.052	1	0	1	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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.10308	PL.10307	A	6 A (CWC)	7.49Y	124.8	0.00	0.17	0.37	0	3	1	95	0.00	0.0	3.191	0.107	0	0	0	3
PL.10309	PL.10308	A	6 A (CWC)	7.49Y	124.8	0.00	0.17	0.37	0	3	1	95	0.00	0.0	3.278	0.087	1	0	1	3
PL.10310	PL.10309	A	6 A (CWC)	7.49Y	124.8	0.00	0.17	0.22	0	2	0	100	0.00	0.0	3.451	0.173	1	0	1	2
PL.10311	PL.10310	A	6 A (CWC)	7.49Y	124.8	0.00	0.17	0.04	0	0	0	100	0.00	0.0	3.565	0.114	0	0	1	1
PL.10295	PL.10291	ABC	#1/0 ACSR	7.49Y	124.8	0.00	0.16	4.06	2	84	35	92	0.00	0.0	2.740	0.058	2	1	3	19
PL.10296	PL.10295	ABC	#1/0 ACSR	7.49Y	124.8	0.01	0.17	3.95	2	82	34	92	0.00	0.0	2.859	0.119	0	0	0	16
PL.10297	PL.10296	ABC	#1/0 ACSR	7.49Y	124.8	0.01	0.18	3.95	2	82	34	92	0.00	0.0	2.940	0.081	3	1	3	16
PL.10299	PL.10297	ABC	#1/0 ACSR	7.49Y	124.8	0.01	0.19	3.82	2	79	33	92	0.00	0.0	3.052	0.112	1	0	2	13
PL.10300	PL.10299	ABC	#1/0 ACSR	7.49Y	124.8	0.01	0.20	3.76	2	78	33	92	0.01	0.0	3.189	0.137	3	1	2	11
PL.10298	PL.10300	ABC	#1/0 ACSR	7.49Y	124.8	0.01	0.20	3.62	2	75	32	92	0.00	0.0	3.296	0.107	2	0	2	9
PL.10244	PL.10298	A	#4 ACSR	7.49Y	124.8	0.00	0.20	0.00	0	0	0	100	0.00	0.0	3.468	0.172	0	0	0	0
PL.10301	PL.10298	ABC	#1/0 ACSR	7.49Y	124.8	0.01	0.21	3.54	2	73	32	92	0.01	0.0	3.456	0.160	1	0	1	7
PL.10302	PL.10301	ABC	#1/0 ACSR	7.49Y	124.8	0.00	0.22	3.49	2	72	31	92	0.00	0.0	3.506	0.049	0	0	0	6
PL.10303	PL.10302	ABC	#1/0 ACSR	7.49Y	124.8	0.01	0.23	3.49	2	72	31	92	0.00	0.0	3.616	0.110	2	0	1	6
PL.10304	PL.10303	ABC	#1/0 ACSR	7.49Y	124.8	0.01	0.23	3.41	1	70	31	91	0.00	0.0	3.723	0.106	0	0	0	5
PL.10271	PL.10304	ABC	#1/0 ACSR	7.49Y	124.8	0.01	0.24	3.41	1	70	31	91	0.00	0.0	3.838	0.116	3	1	1	5
PL.10305	PL.10271	ABC	#1/0 ACSR	7.49Y	124.8	0.00	0.24	0.49	0	11	3	96	0.00	0.0	3.887	0.049	3	1	1	3
PL.10306	PL.10305	ABC	#1/0 ACSR	7.49Y	124.8	0.00	0.24	0.35	0	8	2	97	0.00	0.0	3.936	0.049	8	2	2	2
PL.10337	PL.10271	ABC	#1/0 ACSR	7.49Y	124.8	0.00	0.24	2.77	1	56	27	90	0.00	0.0	3.843	0.005	0	0	0	1
PD.1925	PL.10337	ABC	20T	7.49Y	124.8	0.00	0.24	2.77	0	56	27	90	0.00	0.0	3.843	0.005	0	0	0	1
PL.10338	PD.1925	ABC	#1/0 ACSR	7.49Y	124.8	0.00	0.24	2.77	1	56	27	90	0.00	0.0	3.958	0.115	56	27	1	1
PL.10314	PL.10338	ABC	#1/0 ACSR	7.49Y	124.8	0.00	0.24	0.00	0	0	0	100	0.00	0.0	3.976	0.018	0	0	0	0
PL.10329	PL.10314	B	#4 ACSR	7.49Y	124.8	0.00	0.24	0.00	0	0	0	100	0.00	0.0	3.980	0.005	0	0	0	0
PD.1921	PL.10329	B	12T	7.49Y	124.8	0.00	0.24	0.00	0	0	0	100	0.00	0.0	3.980	0.005	0	0	0	0
PL.10330	PD.1921	B	#4 ACSR	7.49Y	124.8	0.00	0.24	0.00	0	0	0	100	0.00	0.0	4.164	0.184	0	0	0	0
PL.10293	PL.10330	B	#4 ACSR	7.49Y	124.8	0.00	0.24	0.00	0	0	0	100	0.00	0.0	4.339	0.174	0	0	0	0
PL.10294	PL.10293	B	#4 ACSR	7.49Y	124.8	0.00	0.24	0.00	0	0	0	100	0.00	0.0	4.403	0.064	0	0	0	0
PL.10245	PL.10294	B	#4 ACSR	7.49Y	124.8	0.00	0.24	0.00	0	0	0	100	0.00	0.0	4.599	0.197	0	0	0	0
PL.10263	PL.10245	B	#4 ACSR	7.49Y	124.8	0.00	0.24	0.00	0	0	0	100	0.00	0.0	4.703	0.104	0	0	0	0
PL.10270	PL.10263	B	#4 ACSR	7.49Y	124.8	0.00	0.24	0.00	0	0	0	100	0.00	0.0	4.828	0.125	0	0	0	0
PL.10264	PL.10270	B	#4 ACSR	7.49Y	124.8	0.00	0.24	0.00	0	0	0	100	0.00	0.0	5.010	0.181	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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.10312	PL.10264	B	#4 ACSR	7.49Y	124.8	0.00	0.24	0.00	0	0	0	100	0.00	0.0	5.136	0.126	0	0	0	0
PL.10313	PL.10312	B	#4 ACSR	7.49Y	124.8	0.00	0.24	0.00	0	0	0	100	0.00	0.0	5.249	0.114	0	0	0	0
PL.10269	PL.10313	B	#4 ACSR	7.49Y	124.8	0.00	0.24	0.00	0	0	0	100	0.00	0.0	5.353	0.103	0	0	0	0
PL.10265	PL.10269	B	#4 ACSR	7.49Y	124.8	0.00	0.24	0.00	0	0	0	100	0.00	0.0	5.500	0.148	0	0	0	0
PL.10266	PL.10265	B	#4 ACSR	7.49Y	124.8	0.00	0.24	0.00	0	0	0	100	0.00	0.0	5.686	0.186	0	0	0	0
PL.10268	PL.10266	B	#4 ACSR	7.49Y	124.8	0.00	0.24	0.00	0	0	0	100	0.00	0.0	5.841	0.155	0	0	0	0
PL.10267	PL.10268	B	#4 ACSR	7.49Y	124.8	0.00	0.24	0.00	0	0	0	100	0.00	0.0	5.906	0.066	0	0	0	0
PL.10237	PL.10260	C	#4 ACSR	7.49Y	124.9	0.00	0.10	0.00	0	0	0	100	0.00	0.0	1.978	0.101	0	0	0	0
PL.10236	PL.10252	ABC	#1/0 ACSR	7.49Y	124.9	0.00	0.09	0.08	0	2	0	100	0.00	0.0	1.595	0.059	0	0	0	4
PL.10333	PL.10236	C	#4 ACSR	7.49Y	124.9	0.00	0.09	0.21	0	1	0	100	0.00	0.0	1.600	0.005	0	0	0	3
PD.1923	PL.10333	C	65T	7.49Y	124.9	0.00	0.09	0.21	0	1	0	100	0.00	0.0	1.600	0.005	0	0	0	3
PL.10334	PD.1923	C	#4 ACSR	7.49Y	124.9	0.00	0.09	0.21	0	1	0	100	0.00	0.0	1.617	0.017	1	0	2	3
PL.10272	PL.10334	C	#4 ACSR	7.49Y	124.9	0.00	0.09	0.13	0	1	0	100	0.00	0.0	1.643	0.026	1	0	1	1
PL.10254	PL.10236	ABC	#1/0 ACSR	7.49Y	124.9	0.00	0.09	0.01	0	0	0	100	0.00	0.0	1.651	0.056	0	0	1	1
PL.10235	PL.10251	C	#1/0 ACSR	7.50Y	124.9	0.00	0.08	0.34	0	2	1	89	0.00	0.0	1.404	0.034	2	1	1	1
PL.10325	PL.10249	C	#4 ACSR	7.50Y	124.9	0.00	0.07	0.18	0	1	0	100	0.00	0.0	1.261	0.004	0	0	0	1
PD.1919	PL.10325	C	65T	7.50Y	124.9	0.00	0.07	0.18	0	1	0	100	0.00	0.0	1.261	0.004	0	0	0	1
PL.10326	PD.1919	C	#4 ACSR	7.50Y	124.9	0.00	0.07	0.18	0	1	0	100	0.00	0.0	1.343	0.082	1	0	1	1
PL.24523	PL.10250	B	#1/0 ACSR	7.50Y	124.9	0.00	0.07	3.78	2	27	7	97	0.00	0.0	1.199	0.003	0	0	0	10
PD.3453	PL.24523	B	T	7.50Y	124.9	0.00	0.07	3.78	0	27	7	97	0.00	0.0	1.199	0.003	0	0	0	10
PL.24524	PD.3453	B	#1/0 ACSR	7.50Y	124.9	0.00	0.08	3.78	2	27	7	97	0.00	0.0	1.238	0.039	5	1	2	10
PL.24520	PL.24524	B	#1/0 ACSR	7.50Y	124.9	0.00	0.08	3.13	1	23	6	97	0.00	0.0	1.292	0.053	0	0	0	8
PL.24522	PL.24520	B	#1/0 ACSR	7.50Y	124.9	0.00	0.08	3.13	1	23	6	97	0.00	0.0	1.322	0.031	2	1	1	8
PL.10284	PL.24522	B	#1/0 ACSR	7.49Y	124.9	0.00	0.08	2.83	1	20	6	96	0.00	0.0	1.371	0.048	4	1	2	7
PL.10285	PL.10284	B	#1/0 ACSR	7.49Y	124.9	0.00	0.09	2.29	1	17	4	97	0.00	0.0	1.427	0.057	0	0	1	5
PL.10286	PL.10285	B	#1/0 ACSR	7.49Y	124.9	0.00	0.09	2.29	1	17	4	97	0.00	0.0	1.485	0.058	2	0	1	4
PL.10328	PL.10286	B	#4 ACSR	7.49Y	124.9	0.01	0.10	2.07	2	15	4	97	0.00	0.0	1.576	0.091	8	2	2	3
PL.10292	PL.10328	B	#4 ACSR	7.49Y	124.9	0.00	0.10	1.03	1	7	2	96	0.00	0.0	1.636	0.060	7	2	1	1
PL.10281	PL.10258	C	#1/0 ACSR	7.50Y	124.9	0.00	0.06	0.50	0	4	1	97	0.00	0.0	1.093	0.072	4	1	1	1
PL.10282	PL.10281	C	#1/0 ACSR	7.50Y	124.9	0.00	0.06	0.00	0	0	0	100	0.00	0.0	1.146	0.053	0	0	0	0
PL.10321	PL.10274	C	6 A (CWC)	7.50Y	125.0	0.00	0.01	0.15	0	1	0	100	0.00	0.0	0.211	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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----			
																KW	KVAR	Cons On	Cons Thru	

PD.1917	PL.10321	C	65T	7.50Y	125.0	0.00	0.01	0.15	0	1	0	100	0.00	0.0	0.211	0.005	0	0	0	2
PL.10322	PD.1917	C	6 A (CWC)	7.50Y	125.0	0.00	0.01	0.15	0	1	0	100	0.00	0.0	0.225	0.014	1	0	2	2
PL.11509	Oneida	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	48.15	9	1033	325	95	0.02	0.0	0.009	0.009	0	0	0	275
PL.27884	PL.11509	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	48.15	9	1033	325	95	0.01	0.0	0.012	0.003	0	0	0	275
----- Feeder No. 4 (Spurlock F4) Beginning with Device PD.3857 -----																				
PD.3857	PL.27884	ABC	360VWE	7.50Y	125.0	0.00	0.00	48.15	0	1033	325	95	0.00	0.0	0.012	0.003	0	0	0	275
PL.11510	PD.3857	ABC	336 MCM AC	7.50Y	125.0	0.01	0.01	48.15	9	1033	325	95	0.05	0.0	0.035	0.023	0	0	0	275
PL.10827	PL.11510	ABC	336 MCM AC	7.50Y	125.0	0.03	0.04	48.15	9	1033	325	95	0.15	0.0	0.111	0.076	0	0	0	275
PL.10848	PL.10827	ABC	336 MCM AC	7.50Y	124.9	0.03	0.08	48.15	9	1033	325	95	0.18	0.0	0.203	0.091	0	0	0	275
PL.10849	PL.10848	ABC	336 MCM AC	7.49Y	124.9	0.03	0.11	48.15	9	1033	324	95	0.17	0.0	0.292	0.089	0	0	0	275
PL.11391	PL.10849	C	#4 ACSR	7.49Y	124.9	0.00	0.11	0.73	1	5	1	98	0.00	0.0	0.295	0.004	0	0	0	1
PD.2041	PL.11391	C	65T	7.49Y	124.9	0.00	0.11	0.73	0	5	1	98	0.00	0.0	0.295	0.004	0	0	0	1
PL.11392	PD.2041	C	#4 ACSR	7.49Y	124.9	0.00	0.11	0.73	1	5	1	98	0.00	0.0	0.334	0.039	5	1	1	1
PL.10850	PL.10849	ABC	336 MCM AC	7.49Y	124.9	0.03	0.14	47.90	9	1027	323	95	0.17	0.0	0.379	0.087	0	0	0	274
PL.10851	PL.10850	ABC	336 MCM AC	7.49Y	124.8	0.02	0.16	47.90	9	1027	322	95	0.11	0.0	0.434	0.055	0	0	0	274
PL.10829	PL.10851	ABC	336 MCM AC	7.49Y	124.8	0.00	0.17	11.46	2	247	74	96	0.01	0.0	0.489	0.055	0	0	0	76
PL.11393	PL.10829	ABC	#1/0 ACSR	7.49Y	124.8	0.00	0.17	0.60	0	12	6	89	0.00	0.0	0.494	0.005	0	0	0	2
PD.2042	PL.11393	ABC	65T	7.49Y	124.8	0.00	0.17	0.60	0	12	6	89	0.00	0.0	0.494	0.005	0	0	0	2
PL.11394	PD.2042	ABC	#1/0 ACSR	7.49Y	124.8	0.00	0.17	0.60	0	12	6	89	0.00	0.0	0.517	0.024	12	6	1	2
PL.11257	PL.11394	ABC	#1/0 ACSR	7.49Y	124.8	0.00	0.17	0.01	0	0	0	100	0.00	0.0	0.523	0.006	0	0	1	1
PL.10831	PL.10829	ABC	336 MCM AC	7.49Y	124.8	0.00	0.17	10.87	2	235	68	96	0.01	0.0	0.543	0.054	1	0	1	74
PL.10832	PL.10831	ABC	#4 ACSR	7.49Y	124.8	0.02	0.19	10.83	8	234	67	96	0.03	0.0	0.581	0.038	2	1	1	73
PL.11321	PL.10832	C	#4 ACSR	7.49Y	124.8	0.00	0.19	7.05	5	51	14	96	0.00	0.0	0.584	0.004	0	0	0	1
PD.2006	PL.11321	C	65T	7.49Y	124.8	0.00	0.19	7.05	0	51	14	96	0.00	0.0	0.584	0.004	0	0	0	1
PL.11322	PD.2006	C	#4 ACSR	7.49Y	124.8	0.01	0.19	7.05	5	51	14	96	0.00	0.0	0.617	0.033	51	14	1	1
PL.10834	PL.10832	ABC	#1/0 ACSR	7.49Y	124.8	0.00	0.19	5.12	2	111	32	96	0.00	0.0	0.603	0.022	0	0	0	51
PL.10833	PL.10834	ABC	#1/0 ACSR	7.49Y	124.8	0.00	0.19	0.38	0	8	4	89	0.00	0.0	0.629	0.026	8	4	1	1
PL.11319	PL.10834	A	#4 ACSR	7.49Y	124.8	0.00	0.19	14.23	11	103	28	96	0.00	0.0	0.608	0.005	0	0	0	50
PD.2005	PL.11319	A	65T	7.49Y	124.8	0.00	0.19	14.23	0	103	28	96	0.00	0.0	0.608	0.005	0	0	0	50

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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.11320	PD.2005	A	#4 ACSR	7.49Y	124.8	0.03	0.22	14.23	11	103	28	96	0.02	0.0	0.655	0.047	6	2	7	50
PL.11160	PL.11320	A	#4 ACSR	7.49Y	124.8	0.03	0.25	12.15	9	88	24	96	0.02	0.0	0.706	0.051	1	0	1	36
PL.11161	PL.11160	A	#4 ACSR	7.48Y	124.7	0.02	0.26	12.05	9	87	24	96	0.01	0.0	0.735	0.029	4	1	2	35
PL.11162	PL.11161	A	#4 ACSR	7.48Y	124.7	0.00	0.27	3.65	3	26	7	97	0.00	0.0	0.763	0.027	7	2	4	11
PL.11163	PL.11162	A	#4 ACSR	7.48Y	124.7	0.00	0.27	2.75	2	20	5	97	0.00	0.0	0.784	0.022	16	4	5	7
PL.10838	PL.11163	A	#4 ACSR	7.48Y	124.7	0.00	0.27	0.54	0	4	1	97	0.00	0.0	0.820	0.035	4	1	2	2
PL.10837	PL.11161	A	#4 ACSR	7.48Y	124.7	0.00	0.26	1.28	1	9	3	95	0.00	0.0	0.772	0.036	9	3	3	3
PL.10613	PL.11161	A	#4 ACSR	7.48Y	124.7	0.01	0.27	6.62	5	48	13	97	0.00	0.0	0.775	0.040	19	5	2	19
PL.10614	PL.10613	A	#4 ACSR	7.48Y	124.7	0.00	0.28	3.94	3	29	8	96	0.00	0.0	0.802	0.027	4	1	2	17
PL.10611	PL.10614	A	#4 ACSR	7.48Y	124.7	0.00	0.28	1.21	1	9	2	98	0.00	0.0	0.849	0.046	0	0	0	6
PL.10612	PL.10611	A	#4 ACSR	7.48Y	124.7	0.00	0.28	1.21	1	9	2	98	0.00	0.0	0.896	0.048	0	0	1	6
PL.10615	PL.10612	A	#1/0 ACSR	7.48Y	124.7	0.00	0.28	0.44	0	3	1	95	0.00	0.0	0.956	0.059	0	0	2	3
PL.10616	PL.10615	A	#1/0 ACSR	7.48Y	124.7	0.00	0.28	0.44	0	3	1	95	0.00	0.0	0.986	0.030	3	1	1	1
PL.10843	PL.10612	A	#2 ACSR	7.48Y	124.7	0.00	0.28	0.77	0	6	1	99	0.00	0.0	0.935	0.038	6	1	2	2
PL.11015	PL.10614	A	#4 ACSR	7.48Y	124.7	0.00	0.28	2.23	2	16	4	97	0.00	0.0	0.848	0.045	5	1	4	9
PL.10609	PL.11015	A	#4 ACSR	7.48Y	124.7	0.00	0.28	0.81	1	6	2	95	0.00	0.0	0.879	0.031	2	0	1	4
PL.10610	PL.10609	A	#4 ACSR	7.48Y	124.7	0.00	0.28	0.59	0	4	1	97	0.00	0.0	0.908	0.029	4	1	3	3
PL.10844	PL.11015	A	#4 ACSR	7.48Y	124.7	0.00	0.28	0.71	1	5	1	98	0.00	0.0	0.862	0.015	5	1	1	1
PL.10836	PL.11320	A	#4 ACSR	7.49Y	124.8	0.00	0.22	1.22	1	9	2	98	0.00	0.0	0.684	0.028	9	2	7	7
PL.10835	PL.10832	ABC	#4 ACSR	7.49Y	124.8	0.01	0.19	3.25	2	70	21	96	0.00	0.0	0.639	0.058	8	2	3	20
PL.10839	PL.10835	B	6 A (CWC)	7.49Y	124.8	0.00	0.19	2.75	2	20	5	97	0.00	0.0	0.659	0.020	11	3	3	6
PL.10840	PL.10839	B	#1/0 ACSR	7.49Y	124.8	0.00	0.19	1.26	1	9	2	98	0.00	0.0	0.674	0.015	9	2	3	3
PL.11016	PL.10835	ABC	#4 ACSR	7.49Y	124.8	0.00	0.20	1.98	2	42	14	95	0.00	0.0	0.702	0.063	3	1	1	11
PL.10841	PL.11016	A	#1/0 ACSR	7.49Y	124.8	0.00	0.20	1.89	1	14	4	96	0.00	0.0	0.721	0.019	14	4	5	5
PL.11180	PL.11016	ABC	#4 ACSR	7.49Y	124.8	0.00	0.20	1.21	1	26	9	94	0.00	0.0	0.728	0.026	10	3	2	5
PL.11258	PL.11180	ABC	#4 ACSR	7.49Y	124.8	0.00	0.20	0.75	1	15	7	91	0.00	0.0	0.744	0.017	12	6	1	3
PL.11259	PL.11258	ABC	#4 ACSR	7.49Y	124.8	0.00	0.20	0.16	0	3	1	95	0.00	0.0	0.762	0.018	3	1	2	2
PL.10828	PL.10851	ABC	336 MCM AC	7.49Y	124.8	0.01	0.17	36.44	7	780	248	95	0.05	0.0	0.481	0.047	6	1	1	198
PL.11019	PL.10828	ABC	336 MCM AC	7.49Y	124.8	0.02	0.19	36.19	7	775	247	95	0.07	0.0	0.544	0.062	37	10	1	197
PL.10845	PL.11019	ABC	336 MCM AC	7.49Y	124.8	0.00	0.19	5.63	1	122	33	97	0.00	0.0	0.575	0.031	122	33	1	1
PL.11020	PL.11019	ABC	336 MCM AC	7.49Y	124.8	0.00	0.19	0.00	0	0	0	100	0.00	0.0	0.544	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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.11017	PL.11019	ABC	#4 ACSR	7.49Y	124.8	0.00	0.19	2.94	2	60	26	92	0.00	0.0	0.571	0.027	6	1	1	3
PL.11387	PL.11017	A	#4 ACSR	7.49Y	124.8	0.00	0.20	1.04	1	8	2	97	0.00	0.0	0.575	0.005	0	0	0	1
PD.2039	PL.11387	A	T	7.49Y	124.8	0.00	0.20	1.04	0	8	2	97	0.00	0.0	0.575	0.005	0	0	0	1
PL.11388	PD.2039	A	#4 ACSR	7.49Y	124.8	0.00	0.20	1.04	1	8	2	97	0.00	0.0	0.605	0.030	8	2	1	1
PL.11018	PL.11017	ABC	#4 ACSR	7.49Y	124.8	0.00	0.20	2.34	2	47	23	90	0.00	0.0	0.620	0.050	47	23	1	1
PL.10846	PL.11019	ABC	336 MCM AC	7.49Y	124.8	0.00	0.19	25.95	5	555	177	95	0.00	0.0	0.549	0.005	0	0	0	192
PL.11397	PL.10846	ABC	4/0 AL URD	7.49Y	124.8	0.00	0.19	1.64	1	33	16	90	0.00	0.0	0.553	0.005	0	0	0	1
PD.2044	PL.11397	ABC	65T	7.49Y	124.8	0.00	0.19	1.64	0	33	16	90	0.00	0.0	0.553	0.005	0	0	0	1
PL.11398	PD.2044	ABC	4/0 AL URD	7.49Y	124.8	0.00	0.19	1.64	1	33	16	90	0.00	0.0	0.571	0.018	33	16	1	1
PL.10942	PL.10846	ABC	336 MCM AC	7.49Y	124.8	0.00	0.19	24.33	5	522	161	96	0.00	0.0	0.551	0.002	0	0	0	191
PL.10943	PL.10942	ABC	336 MCM AC	7.49Y	124.8	0.00	0.19	23.14	4	497	154	96	0.00	0.0	0.554	0.003	0	0	0	187
PL.11176	PL.10943	ABC	336 MCM AC	7.49Y	124.8	0.02	0.21	23.14	4	497	154	96	0.04	0.0	0.644	0.090	0	0	1	187
PL.11177	PL.11176	ABC	336 MCM AC	7.49Y	124.8	0.01	0.22	23.14	4	496	154	96	0.02	0.0	0.683	0.039	0	0	0	186
PL.11023	PL.11177	ABC	336 MCM AC	7.49Y	124.8	0.01	0.23	23.13	4	496	154	96	0.02	0.0	0.731	0.048	0	0	0	185
PL.10852	PL.11023	A	#4 ACSR	7.49Y	124.8	0.00	0.23	6.54	5	47	13	96	0.00	0.0	0.736	0.005	0	0	0	9
PD.2028	PL.10852	A	50T	7.49Y	124.8	0.00	0.23	6.54	0	47	13	96	0.00	0.0	0.736	0.005	0	0	0	9
PL.11025	PD.2028	A	#4 ACSR	7.49Y	124.8	0.00	0.23	2.29	2	17	4	97	0.00	0.0	0.742	0.006	0	0	0	7
PL.11026	PL.11025	A	#4 ACSR	7.49Y	124.8	0.00	0.23	2.29	2	17	4	97	0.00	0.0	0.742	0.000	0	0	0	7
PL.10938	PL.11026	A	#4 ACSR	7.49Y	124.8	0.01	0.23	2.29	2	17	4	97	0.00	0.0	0.813	0.071	1	0	1	7
PL.11173	PL.10938	A	#4 ACSR	7.49Y	124.8	0.01	0.24	2.04	2	15	4	97	0.00	0.0	0.882	0.068	4	1	1	5
PL.11174	PL.11173	A	#4 ACSR	7.49Y	124.8	0.00	0.24	1.50	1	11	3	96	0.00	0.0	0.940	0.058	5	1	2	4
PL.11175	PL.11174	A	#4 ACSR	7.49Y	124.8	0.00	0.24	0.79	1	6	2	95	0.00	0.0	0.976	0.036	6	2	2	2
PL.10853	PL.10938	A	#4 ACSR	7.49Y	124.8	0.00	0.23	0.07	0	1	0	100	0.00	0.0	0.877	0.063	1	0	1	1
PL.10944	PD.2028	A	#4 ACSR	7.49Y	124.8	0.01	0.23	4.25	3	31	8	97	0.00	0.0	0.809	0.073	31	8	2	2
PL.11024	PL.11023	ABC	336 MCM AC	7.49Y	124.8	0.01	0.23	20.95	4	449	141	95	0.02	0.0	0.786	0.055	0	0	0	176
PL.11409	PL.11024	ABC	336 MCM AC	7.49Y	124.8	0.00	0.24	20.95	4	449	141	95	0.00	0.0	0.790	0.004	0	0	0	176
PL.11410	PL.11409	ABC	336 MCM AC	7.49Y	124.8	0.01	0.24	20.95	4	449	141	95	0.01	0.0	0.828	0.038	0	0	0	176
PL.11323	PL.11410	C	#1/0 ACSR	7.49Y	124.8	0.00	0.24	0.43	0	3	1	95	0.00	0.0	0.833	0.005	0	0	0	2
PD.2007	PL.11323	C	65T	7.49Y	124.8	0.00	0.24	0.43	0	3	1	95	0.00	0.0	0.833	0.005	0	0	0	2
PL.11324	PD.2007	C	#1/0 ACSR	7.49Y	124.8	0.00	0.24	0.43	0	3	1	95	0.00	0.0	0.879	0.047	3	1	2	2
PL.11021	PL.11410	ABC	336 MCM AC	7.48Y	124.7	0.01	0.25	20.81	4	446	140	95	0.02	0.0	0.892	0.064	2	0	1	174

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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.11389	PL.11021	B	#4 ACSR	7.48Y	124.7	0.00	0.25	2.48	2	18	5	96	0.00	0.0	0.899	0.008	0	0	0	10
PD.2040	PL.11389	B	65T	7.48Y	124.7	0.00	0.25	2.48	0	18	5	96	0.00	0.0	0.899	0.008	0	0	0	10
PL.11390	PD.2040	B	#4 ACSR	7.48Y	124.7	0.00	0.26	2.48	2	18	5	96	0.00	0.0	0.943	0.043	3	1	1	10
PL.11027	PL.11390	B	#4 ACSR	7.48Y	124.7	0.00	0.26	1.76	1	13	3	97	0.00	0.0	0.960	0.017	0	0	0	8
PL.11178	PL.11027	B	#4 ACSR	7.48Y	124.7	0.00	0.26	1.29	1	9	3	95	0.00	0.0	0.990	0.030	5	1	2	5
PL.11179	PL.11178	B	#4 ACSR	7.48Y	124.7	0.00	0.26	0.66	1	5	1	98	0.00	0.0	1.009	0.019	0	0	1	3
PL.10855	PL.11179	B	#4 ACSR	7.48Y	124.7	0.00	0.26	0.60	0	4	1	97	0.00	0.0	1.062	0.053	4	1	2	2
PL.10856	PL.11027	B	#4 ACSR	7.48Y	124.7	0.00	0.26	0.47	0	3	1	95	0.00	0.0	0.991	0.031	3	1	3	3
PL.10854	PL.11390	B	#4 ACSR	7.48Y	124.7	0.00	0.26	0.32	0	2	1	89	0.00	0.0	0.975	0.032	2	1	1	1
PL.11022	PL.11021	ABC	336 MCM AC	7.48Y	124.7	0.02	0.27	19.90	4	426	135	95	0.05	0.0	1.036	0.145	0	0	0	163
PL.11028	PL.11022	ABC	336 MCM AC	7.48Y	124.7	0.01	0.29	19.90	4	426	135	95	0.03	0.0	1.126	0.090	2	0	3	163
PL.11029	PL.11028	ABC	336 MCM AC	7.48Y	124.7	0.01	0.30	18.80	4	402	128	95	0.02	0.0	1.207	0.081	0	0	0	152
PL.10969	PL.11029	ABC	336 MCM AC	7.48Y	124.7	0.01	0.31	18.80	4	402	128	95	0.03	0.0	1.308	0.100	0	0	0	152
PL.10946	PL.10969	ABC	336 MCM AC	7.48Y	124.7	0.01	0.32	18.68	4	399	127	95	0.01	0.0	1.354	0.046	0	0	0	151
PL.11331	PL.10946	C	6 A (CWC)	7.48Y	124.7	0.00	0.32	0.00	0	0	0	100	0.00	0.0	1.359	0.005	0	0	0	2
PD.2012	PL.11331	C	65T	7.48Y	124.7	0.00	0.32	0.00	0	0	0	100	0.00	0.0	1.359	0.005	0	0	0	2
PL.11332	PD.2012	C	6 A (CWC)	7.48Y	124.7	0.00	0.32	0.00	0	0	0	100	0.00	0.0	1.369	0.011	0	0	2	2
PL.10947	PL.10946	ABC	336 MCM AC	7.48Y	124.7	0.01	0.33	18.68	4	399	127	95	0.02	0.0	1.424	0.069	0	0	0	149
PL.11333	PL.10947	C	#1/0 ACSR	7.48Y	124.7	0.00	0.33	0.31	0	2	1	89	0.00	0.0	1.428	0.005	0	0	0	2
PD.2013	PL.11333	C	65T	7.48Y	124.7	0.00	0.33	0.31	0	2	1	89	0.00	0.0	1.428	0.005	0	0	0	2
PL.11334	PD.2013	C	#1/0 ACSR	7.48Y	124.7	0.00	0.33	0.31	0	2	1	89	0.00	0.0	1.495	0.067	2	1	2	2
PL.10948	PL.10947	ABC	336 MCM AC	7.48Y	124.6	0.02	0.36	18.58	4	397	127	95	0.05	0.0	1.596	0.172	0	0	0	147
PL.10949	PL.10948	ABC	336 MCM AC	7.48Y	124.6	0.02	0.37	18.08	3	386	124	95	0.03	0.0	1.710	0.114	0	0	0	142
PL.11183	PL.10949	ABC	336 MCM AC	7.48Y	124.6	0.02	0.39	18.08	3	386	124	95	0.03	0.0	1.826	0.116	3	1	3	142
PL.11184	PL.11183	ABC	336 MCM AC	7.48Y	124.6	0.01	0.40	17.93	3	383	123	95	0.02	0.0	1.910	0.085	0	0	0	139
PL.10970	PL.11184	ABC	336 MCM AC	7.48Y	124.6	0.02	0.42	17.93	3	383	123	95	0.03	0.0	2.018	0.108	0	0	0	139
PL.10589	PL.10970	B	6 A (CWC)	7.48Y	124.6	0.00	0.42	1.29	1	9	3	95	0.00	0.0	2.058	0.039	9	3	1	1
PL.11181	PL.10970	ABC	336 MCM AC	7.47Y	124.6	0.01	0.43	17.50	3	374	120	95	0.02	0.0	2.098	0.080	1	0	1	138
PL.11182	PL.11181	ABC	336 MCM AC	7.47Y	124.6	0.02	0.44	17.47	3	373	120	95	0.03	0.0	2.222	0.124	0	0	0	137
PL.11171	PL.11182	ABC	336 MCM AC	7.47Y	124.5	0.01	0.45	17.47	3	373	120	95	0.02	0.0	2.281	0.059	1	0	1	137
PL.11172	PL.11171	ABC	336 MCM AC	7.47Y	124.5	0.01	0.46	17.42	3	372	119	95	0.02	0.0	2.344	0.064	0	0	1	136

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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.11170	PL.11172	ABC	336 MCM AC	7.47Y	124.5	0.01	0.47	17.41	3	372	119	95	0.01	0.0	2.396	0.051	0	0	0	135
PL.11313	PL.11170	A	#4 ACSR	7.47Y	124.5	0.00	0.47	0.39	0	3	1	95	0.00	0.0	2.400	0.005	0	0	0	2
PD.2002	PL.11313	A	65T	7.47Y	124.5	0.00	0.47	0.39	0	3	1	95	0.00	0.0	2.400	0.005	0	0	0	2
PL.11314	PD.2002	A	#4 ACSR	7.47Y	124.5	0.00	0.47	0.39	0	3	1	95	0.00	0.0	2.461	0.061	0	0	1	2
PL.11315	PL.11314	A	1/0 AL URD	7.47Y	124.5	0.00	0.47	0.39	0	3	1	95	0.00	0.0	2.466	0.005	0	0	0	1
PD.2003	PL.11315	A	T	7.47Y	124.5	0.00	0.47	0.39	0	3	1	95	0.00	0.0	2.466	0.005	0	0	0	1
PL.11316	PD.2003	A	1/0 AL URD	7.47Y	124.5	0.00	0.47	0.39	0	3	1	95	0.00	0.0	2.472	0.007	3	1	1	1
PL.11167	PL.11170	ABC	336 MCM AC	7.47Y	124.5	0.01	0.48	17.28	3	369	119	95	0.02	0.0	2.461	0.065	2	1	2	133
PL.11168	PL.11167	ABC	336 MCM AC	7.47Y	124.5	0.01	0.48	17.19	3	367	118	95	0.02	0.0	2.522	0.062	0	0	0	131
PL.11169	PL.11168	ABC	336 MCM AC	7.47Y	124.5	0.01	0.50	17.19	3	367	118	95	0.02	0.0	2.615	0.092	2	1	1	131
PL.11165	PL.11169	ABC	336 MCM AC	7.47Y	124.5	0.01	0.50	17.07	3	364	117	95	0.01	0.0	2.670	0.055	1	0	2	130
PL.11166	PL.11165	ABC	336 MCM AC	7.47Y	124.5	0.00	0.51	17.04	3	364	117	95	0.01	0.0	2.705	0.035	2	0	2	128
PL.11164	PL.11166	ABC	336 MCM AC	7.47Y	124.5	0.01	0.52	16.96	3	362	116	95	0.02	0.0	2.775	0.070	0	0	1	126
PL.11132	PL.11164	ABC	336 MCM AC	7.47Y	124.5	0.02	0.54	16.86	3	360	116	95	0.04	0.0	2.939	0.165	0	0	1	124
PL.11133	PL.11132	ABC	336 MCM AC	7.47Y	124.4	0.02	0.56	16.86	3	360	116	95	0.03	0.0	3.082	0.142	10	3	2	123
PL.28006	PL.11133	ABC	336 MCM AC	7.47Y	124.4	0.00	0.56	16.38	3	349	113	95	0.01	0.0	3.117	0.035	0	0	0	121
PL.28007	PL.28006	ABC	336 MCM AC	7.47Y	124.4	0.01	0.57	16.38	3	349	113	95	0.02	0.0	3.190	0.073	0	0	0	121
PL.10971	PL.28007	ABC	336 MCM AC	7.46Y	124.4	0.02	0.59	16.38	3	349	113	95	0.04	0.0	3.353	0.164	0	0	0	121
PL.11279	PL.10971	A	6 A (CWC)	7.46Y	124.4	0.00	0.59	0.37	0	3	1	95	0.00	0.0	3.358	0.005	0	0	0	3
PD.1986	PL.11279	A	65T	7.46Y	124.4	0.00	0.59	0.37	0	3	1	95	0.00	0.0	3.358	0.005	0	0	0	3
PL.11280	PD.1986	A	6 A (CWC)	7.46Y	124.4	0.00	0.59	0.37	0	3	1	95	0.00	0.0	3.405	0.047	3	1	3	3
PL.11135	PL.10971	ABC	336 MCM AC	7.46Y	124.4	0.01	0.60	16.26	3	346	112	95	0.02	0.0	3.444	0.091	1	0	1	118
PL.11136	PL.11135	ABC	336 MCM AC	7.46Y	124.4	0.02	0.62	16.22	3	346	112	95	0.03	0.0	3.589	0.144	0	0	0	117
PL.11140	PL.11136	ABC	336 MCM AC	7.46Y	124.4	0.01	0.63	16.16	3	344	111	95	0.02	0.0	3.681	0.092	0	0	1	116
PL.11141	PL.11140	ABC	336 MCM AC	7.46Y	124.4	0.00	0.64	16.05	3	342	111	95	0.01	0.0	3.708	0.027	2	0	1	114
PL.11142	PL.11141	ABC	336 MCM AC	7.46Y	124.4	0.01	0.65	15.97	3	340	110	95	0.02	0.0	3.809	0.101	0	0	0	113
PL.11030	PL.11142	ABC	336 MCM AC	7.46Y	124.3	0.01	0.66	15.97	3	340	110	95	0.01	0.0	3.870	0.061	2	0	1	113
PL.11031	PL.11030	ABC	336 MCM AC	7.46Y	124.3	0.02	0.67	15.67	3	334	108	95	0.03	0.0	4.005	0.135	0	0	0	110
PL.11143	PL.11031	ABC	336 MCM AC	7.46Y	124.3	0.02	0.69	13.95	3	296	98	95	0.02	0.0	4.152	0.147	2	0	1	86
PL.11144	PL.11143	ABC	336 MCM AC	7.46Y	124.3	0.02	0.71	13.87	3	295	98	95	0.03	0.0	4.320	0.168	0	0	0	85
PL.11033	PL.11144	ABC	336 MCM AC	7.46Y	124.3	0.01	0.72	13.87	3	295	98	95	0.01	0.0	4.394	0.073	4	1	2	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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.11287	PL.11033	ABC	336 MCM AC	7.46Y	124.3	0.00	0.72	13.64	3	290	96	95	0.00	0.0	4.398	0.004	0	0	0	81
PL.11288	PL.11287	ABC	336 MCM AC	7.46Y	124.3	0.01	0.73	13.64	3	290	96	95	0.02	0.0	4.498	0.101	2	0	2	81
PL.11283	PL.11288	C	6 A (CWC)	7.46Y	124.3	0.00	0.73	0.13	0	1	0	100	0.00	0.0	4.503	0.005	0	0	0	3
PD.1988	PL.11283	C	40T	7.46Y	124.3	0.00	0.73	0.13	0	1	0	100	0.00	0.0	4.503	0.005	0	0	0	3
PL.11284	PD.1988	C	6 A (CWC)	7.46Y	124.3	0.00	0.73	0.13	0	1	0	100	0.00	0.0	4.527	0.024	1	0	3	3
PL.11138	PL.11288	ABC	336 MCM AC	7.46Y	124.3	0.00	0.73	1.18	0	25	7	96	0.00	0.0	4.565	0.067	0	0	1	13
PL.11139	PL.11138	ABC	336 MCM AC	7.46Y	124.3	0.00	0.73	1.17	0	25	7	96	0.00	0.0	4.686	0.121	0	0	0	12
PL.10974	PL.11139	ABC	336 MCM AC	7.46Y	124.3	0.00	0.73	1.17	0	25	7	96	0.00	0.0	4.743	0.057	0	0	0	12
PL.11277	PL.10974	A	#1/0 ACSR	7.46Y	124.3	0.01	0.74	3.52	2	25	7	96	0.00	0.0	4.834	0.090	0	0	0	12
PD.1985	PL.11277	A	65T	7.46Y	124.3	0.00	0.74	3.52	0	25	7	96	0.00	0.0	4.834	0.090	0	0	0	12
PL.11278	PD.1985	A	#1/0 ACSR	7.46Y	124.3	0.00	0.74	3.52	2	25	7	96	0.00	0.0	4.869	0.036	2	0	1	12
PL.11130	PL.11278	A	#1/0 ACSR	7.46Y	124.3	0.00	0.74	3.27	1	24	6	97	0.00	0.0	4.906	0.037	2	0	1	11
PL.11131	PL.11130	A	#1/0 ACSR	7.46Y	124.3	0.01	0.75	3.05	1	22	6	96	0.00	0.0	4.997	0.091	7	2	1	10
PL.11129	PL.11131	A	#1/0 ACSR	7.45Y	124.2	0.00	0.75	2.08	1	15	4	97	0.00	0.0	5.059	0.062	0	0	2	9
PL.11275	PL.11129	A	#2 ACSR	7.45Y	124.2	0.00	0.75	0.17	0	1	0	100	0.00	0.0	5.064	0.005	0	0	0	2
PD.1984	PL.11275	A	40T	7.45Y	124.2	0.00	0.75	0.17	0	1	0	100	0.00	0.0	5.064	0.005	0	0	0	2
PL.11276	PD.1984	A	#2 ACSR	7.45Y	124.2	0.00	0.75	0.17	0	1	0	100	0.00	0.0	5.103	0.039	1	0	2	2
PL.11127	PL.11129	A	#1/0 ACSR	7.45Y	124.2	0.00	0.76	1.87	1	13	4	96	0.00	0.0	5.166	0.107	0	0	0	5
PL.11128	PL.11127	A	#1/0 ACSR	7.45Y	124.2	0.01	0.76	1.87	1	13	4	96	0.00	0.0	5.301	0.135	2	1	1	5
PL.10598	PL.11128	A	#1/0 ACSR	7.45Y	124.2	0.00	0.76	1.54	1	11	3	96	0.00	0.0	5.406	0.105	0	0	0	4
PL.10975	PL.10598	A	#1/0 ACSR	7.45Y	124.2	0.00	0.77	1.54	1	11	3	96	0.00	0.0	5.511	0.105	0	0	0	4
PL.11118	PL.10975	A	#1/0 ACSR	7.45Y	124.2	0.00	0.77	1.54	1	11	3	96	0.00	0.0	5.546	0.035	2	1	1	4
PL.11119	PL.11118	A	#1/0 ACSR	7.45Y	124.2	0.00	0.77	1.21	1	9	2	98	0.00	0.0	5.658	0.112	9	2	3	3
PL.11405	PL.11288	ABC	336 MCM AC	7.46Y	124.3	0.01	0.73	12.35	2	262	89	95	0.01	0.0	4.561	0.063	0	0	0	63
PD.2048	PL.11405	ABC	100L	7.46Y	124.3	0.00	0.73	12.35	12	262	89	95	0.00	0.0	4.561	0.063	0	0	0	63
PL.11406	PD.2048	ABC	336 MCM AC	7.46Y	124.3	0.00	0.74	12.35	2	262	89	95	0.00	0.0	4.604	0.043	77	37	1	63
PL.11260	PL.11406	ABC	336 MCM AC	7.46Y	124.3	0.00	0.74	8.58	2	185	52	96	0.00	0.0	4.655	0.051	0	0	0	62
PL.11281	PL.11260	C	#1/0 ACSR	7.46Y	124.3	0.00	0.74	0.10	0	1	0	100	0.00	0.0	4.660	0.005	0	0	0	2
PD.1987	PL.11281	C	40T	7.46Y	124.3	0.00	0.74	0.10	0	1	0	100	0.00	0.0	4.660	0.005	0	0	0	2
PL.11282	PD.1987	C	#1/0 ACSR	7.46Y	124.3	0.00	0.74	0.10	0	1	0	100	0.00	0.0	4.776	0.116	0	0	1	2
PL.11137	PL.11282	C	#1/0 ACSR	7.46Y	124.3	0.00	0.74	0.10	0	1	0	100	0.00	0.0	4.889	0.113	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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.10952	PL.11260	ABC	336 MCM AC	7.46Y	124.3	0.01	0.75	8.55	2	184	51	96	0.01	0.0	4.737	0.082	0	0	0	60
PL.10976	PL.10952	ABC	336 MCM AC	7.45Y	124.2	0.01	0.76	8.55	2	184	51	96	0.01	0.0	4.905	0.167	0	0	0	60
PL.10977	PL.10976	ABC	336 MCM AC	7.45Y	124.2	0.01	0.77	8.55	2	184	51	96	0.01	0.0	5.054	0.149	0	0	0	60
PL.10978	PL.10977	ABC	336 MCM AC	7.45Y	124.2	0.01	0.77	8.55	2	184	51	96	0.01	0.0	5.160	0.106	0	0	0	60
PL.10953	PL.10978	ABC	336 MCM AC	7.45Y	124.2	0.01	0.78	8.55	2	184	51	96	0.01	0.0	5.264	0.103	0	0	0	60
PL.10979	PL.10953	ABC	336 MCM AC	7.45Y	124.2	0.01	0.79	8.55	2	184	51	96	0.01	0.0	5.370	0.107	0	0	0	60
PL.10980	PL.10979	ABC	336 MCM AC	7.45Y	124.2	0.01	0.79	8.55	2	184	51	96	0.01	0.0	5.476	0.106	0	0	0	60
PL.10954	PL.10980	ABC	336 MCM AC	7.45Y	124.2	0.00	0.79	0.00	0	0	0	100	0.00	0.0	5.578	0.102	0	0	0	0
PL.10997	PL.10954	ABC	336 MCM AC	7.45Y	124.2	0.00	0.79	0.00	0	0	0	100	0.00	0.0	5.737	0.159	0	0	0	0
PL.10998	PL.10997	ABC	336 MCM AC	7.45Y	124.2	0.00	0.79	0.00	0	0	0	100	0.00	0.0	5.893	0.156	0	0	0	0
PL.10999	PL.10998	ABC	336 MCM AC	7.45Y	124.2	0.00	0.79	0.00	0	0	0	100	0.00	0.0	6.072	0.179	0	0	0	0
PL.64930	PL.10999	ABC	336 MCM AC	7.45Y	124.2	0.00	0.79	0.00	0	0	0	100	0.00	0.0	6.178	0.106	0	0	0	0
PD.9579-A	PL.64930	ABC	Open	7.45Y	124.2	0.00	0.79	0.00	0	0	0	100	0.00	0.0	6.178	0.106	0	0	0	0
PL.11034	PL.10980	C	#1/0 ACSR	7.45Y	124.2	0.04	0.84	25.43	11	183	51	96	0.05	0.0	5.550	0.073	2	1	2	59
PL.11035	PL.11034	C	#1/0 ACSR	7.45Y	124.1	0.06	0.90	24.94	11	179	50	96	0.07	0.0	5.652	0.102	0	0	0	56
PL.11299	PL.11035	C	#2 ACSR	7.45Y	124.1	0.00	0.90	0.00	0	0	0	100	0.00	0.0	5.657	0.005	0	0	0	2
PD.1995	PL.11299	C	40T	7.45Y	124.1	0.00	0.90	0.00	0	0	0	100	0.00	0.0	5.657	0.005	0	0	0	2
PL.11300	PD.1995	C	#2 ACSR	7.45Y	124.1	0.00	0.90	0.00	0	0	0	100	0.00	0.0	5.710	0.053	0	0	2	2
PL.10601	PL.11035	C	#1/0 ACSR	7.44Y	124.0	0.06	0.96	24.94	11	179	50	96	0.07	0.0	5.757	0.105	0	0	0	54
PL.11036	PL.10601	C	#1/0 ACSR	7.44Y	124.0	0.06	1.03	24.94	11	179	50	96	0.07	0.0	5.862	0.106	0	0	0	54
PL.11037	PL.11036	C	#1/0 ACSR	7.44Y	123.9	0.06	1.08	24.78	11	178	49	96	0.06	0.0	5.955	0.093	0	0	0	53
PL.10981	PL.11037	C	#1/0 ACSR	7.43Y	123.9	0.06	1.14	24.78	11	178	49	96	0.07	0.0	6.058	0.103	5	1	2	53
PL.11403	PL.10981	C	#2 ACSR	7.43Y	123.9	0.00	1.14	24.14	14	173	48	96	0.00	0.0	6.061	0.003	0	0	0	51
PD.2047	PL.11403	C	35H	7.43Y	123.9	0.00	1.14	24.14	69	173	48	96	0.00	0.0	6.061	0.003	0	0	0	51
PL.11404	PD.2047	C	#2 ACSR	7.43Y	123.8	0.01	1.16	24.14	14	173	48	96	0.01	0.0	6.076	0.015	0	0	0	51
PL.10602	PL.11404	C	#4 ACSR	7.42Y	123.7	0.11	1.26	24.14	19	173	48	96	0.14	0.1	6.177	0.101	0	0	0	51
PL.11038	PL.10602	C	#4 ACSR	7.42Y	123.7	0.05	1.32	24.14	19	173	48	96	0.07	0.0	6.227	0.050	2	0	2	51
PL.11411	PL.11038	C	#4 ACSR	7.42Y	123.6	0.04	1.36	22.75	18	163	45	96	0.05	0.0	6.265	0.038	0	0	0	47
RG.16	PL.11411	C	76.2 KVA	7.47Y	124.4	-0.78	0.58	22.75	23	163	45	96	percent Boost= 0.00 Tap= 0.0							47
PL.11412	RG.16	C	#4 ACSR	7.46Y	124.4	0.06	0.64	22.61	17	163	45	96	0.07	0.0	6.325	0.060	0	0	0	47
PL.10603	PL.11412	C	#4 ACSR	7.46Y	124.4	0.00	0.64	0.38	0	3	1	95	0.00	0.0	6.430	0.105	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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.11123	PL.11412	C	#4 ACSR	7.46Y	124.3	0.09	0.73	21.51	17	155	43	96	0.10	0.1	6.418	0.093	8	2	2	45
PL.11124	PL.11123	C	#4 ACSR	7.45Y	124.2	0.09	0.82	20.45	16	147	41	96	0.10	0.1	6.516	0.098	0	0	0	43
PL.11014	PL.11124	C	#4 ACSR	7.45Y	124.1	0.09	0.91	20.45	16	147	41	96	0.10	0.1	6.616	0.100	0	0	0	43
PL.11041	PL.11014	C	#4 ACSR	7.44Y	124.0	0.10	1.00	20.45	16	147	41	96	0.11	0.1	6.723	0.106	0	0	0	43
PL.11042	PL.11041	C	#4 ACSR	7.43Y	123.9	0.13	1.14	20.45	16	147	40	96	0.15	0.1	6.870	0.148	0	0	0	43
PL.11043	PL.11042	C	#4 ACSR	7.43Y	123.8	0.06	1.19	20.45	16	147	40	96	0.06	0.0	6.933	0.062	0	0	0	43
PL.11044	PL.11043	C	#4 ACSR	7.42Y	123.7	0.07	1.26	20.45	16	146	40	96	0.07	0.1	7.007	0.074	0	0	0	43
PL.11045	PL.11044	C	#4 ACSR	7.42Y	123.7	0.00	1.26	0.61	0	4	1	97	0.00	0.0	7.052	0.045	4	1	3	3
PL.10890	PL.11045	C	#4 ACSR	7.42Y	123.7	0.00	1.26	0.00	0	0	0	100	0.00	0.0	7.125	0.073	0	0	0	0
PL.11046	PL.11045	C	#4 ACSR	7.42Y	123.7	0.00	1.26	0.00	0	0	0	100	0.00	0.0	7.105	0.053	0	0	0	0
PL.10955	PL.11044	C	#4 ACSR	7.42Y	123.6	0.12	1.38	19.85	15	142	39	96	0.13	0.1	7.141	0.134	0	0	0	40
PL.11121	PL.10955	C	#4 ACSR	7.41Y	123.6	0.06	1.44	19.85	15	142	39	96	0.06	0.0	7.204	0.063	4	1	1	40
PL.11122	PL.11121	C	#4 ACSR	7.40Y	123.4	0.15	1.58	19.25	15	138	38	96	0.15	0.1	7.377	0.173	0	0	0	39
PL.10984	PL.11122	C	#4 ACSR	7.40Y	123.3	0.14	1.72	19.25	15	137	38	96	0.15	0.1	7.541	0.164	0	0	0	39
PL.11071	PL.10984	C	#4 ACSR	7.39Y	123.2	0.08	1.81	19.25	15	137	38	96	0.08	0.1	7.635	0.095	1	0	1	39
PL.11072	PL.11071	C	#4 ACSR	7.39Y	123.1	0.11	1.91	19.10	15	136	37	96	0.11	0.1	7.762	0.126	0	0	0	38
PL.10985	PL.11072	C	#4 ACSR	7.38Y	122.9	0.16	2.07	19.10	15	136	37	96	0.16	0.1	7.945	0.183	0	0	0	38
PL.11100	PL.10985	C	#4 ACSR	7.37Y	122.9	0.08	2.15	19.10	15	136	37	96	0.08	0.1	8.042	0.097	7	2	1	38
PL.11101	PL.11100	C	#4 ACSR	7.36Y	122.7	0.15	2.30	18.07	14	128	35	96	0.14	0.1	8.226	0.184	0	0	0	37
PL.10986	PL.11101	C	#4 ACSR	7.35Y	122.6	0.15	2.44	18.07	14	128	35	96	0.14	0.1	8.409	0.183	0	0	0	37
PL.10987	PL.10986	C	#4 ACSR	7.35Y	122.5	0.10	2.55	18.07	14	128	35	96	0.10	0.1	8.536	0.127	0	0	0	37
PL.11010	PL.10987	C	#4 ACSR	7.34Y	122.4	0.05	2.60	18.07	14	128	35	96	0.05	0.0	8.603	0.067	0	0	0	37
PL.10988	PL.11010	C	#4 ACSR	7.34Y	122.3	0.07	2.67	18.07	14	128	35	96	0.07	0.1	8.692	0.090	0	0	0	37
PL.11011	PL.10988	C	#4 ACSR	7.33Y	122.2	0.08	2.75	18.07	14	128	35	96	0.08	0.1	8.793	0.101	0	0	0	37
PL.10989	PL.11011	C	#4 ACSR	7.33Y	122.1	0.11	2.86	18.07	14	128	35	96	0.11	0.1	8.928	0.135	0	0	0	37
PL.11058	PL.10989	C	#4 ACSR	7.32Y	122.1	0.06	2.93	18.07	14	128	35	96	0.06	0.0	9.007	0.079	3	1	2	37
PL.10892	PL.11058	C	#4 ACSR	7.32Y	122.1	0.00	2.93	0.00	0	0	0	100	0.00	0.0	9.067	0.060	0	0	0	0
PL.11059	PL.11058	C	#4 ACSR	7.32Y	122.0	0.08	3.00	17.66	14	125	34	96	0.07	0.1	9.105	0.098	0	0	0	35
PL.11096	PL.11059	C	#4 ACSR	7.32Y	121.9	0.07	3.07	17.66	14	125	34	96	0.06	0.1	9.191	0.087	6	2	1	35
PL.11097	PL.11096	C	#4 ACSR	7.31Y	121.8	0.09	3.16	16.86	13	119	32	97	0.08	0.1	9.317	0.125	10	3	2	34
PL.11095	PL.11097	C	#4 ACSR	7.30Y	121.7	0.10	3.26	15.38	12	109	30	96	0.08	0.1	9.468	0.151	7	2	3	32

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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru

PL.11094	PL.11095	C	#4 ACSR	7.30Y	121.7	0.02	3.28	14.45	11	102	28	96	0.02	0.0	9.507	0.039	6	2	2	29
PL.11093	PL.11094	C	#4 ACSR	7.30Y	121.7	0.02	3.31	13.63	10	96	26	97	0.02	0.0	9.542	0.035	0	0	0	27
PL.10893	PL.11093	C	#4 ACSR	7.30Y	121.6	0.06	3.37	13.63	10	96	26	97	0.05	0.0	9.644	0.102	0	0	0	27
PL.10894	PL.10893	C	#2 ACSR	7.30Y	121.6	0.00	3.37	0.89	1	6	2	95	0.00	0.0	9.686	0.042	6	2	2	2
PL.11091	PL.10893	C	#4 ACSR	7.30Y	121.6	0.02	3.38	12.73	10	90	24	97	0.01	0.0	9.675	0.031	2	0	1	25
PL.11092	PL.11091	C	#4 ACSR	7.29Y	121.5	0.10	3.49	12.47	10	88	24	96	0.07	0.1	9.857	0.183	0	0	0	24
PL.10990	PL.11092	C	#4 ACSR	7.29Y	121.4	0.07	3.55	12.47	10	88	24	96	0.05	0.1	9.980	0.123	0	0	0	24
PL.10991	PL.10990	C	#4 ACSR	7.28Y	121.4	0.05	3.61	12.47	10	88	24	96	0.04	0.0	10.078	0.098	0	0	0	24
PL.11089	PL.10991	C	#4 ACSR	7.28Y	121.3	0.06	3.66	12.47	10	88	24	96	0.04	0.0	10.184	0.105	7	2	1	24
PL.11090	PL.11089	C	#4 ACSR	7.28Y	121.3	0.08	3.75	11.45	9	80	22	96	0.05	0.1	10.349	0.166	0	0	0	23
PL.10992	PL.11090	C	#4 ACSR	7.27Y	121.2	0.05	3.80	11.45	9	80	22	96	0.03	0.0	10.448	0.099	0	0	0	23
PL.11012	PL.10992	C	#4 ACSR	7.27Y	121.1	0.06	3.85	11.45	9	80	22	96	0.03	0.0	10.557	0.109	0	0	0	23
PL.11087	PL.11012	C	#4 ACSR	7.26Y	121.1	0.09	3.94	11.45	9	80	22	96	0.05	0.1	10.736	0.179	5	1	1	23
PL.11088	PL.11087	C	#4 ACSR	7.26Y	121.0	0.07	4.01	10.76	8	75	20	97	0.04	0.1	10.886	0.150	8	2	2	22
PL.11086	PL.11088	C	#4 ACSR	7.26Y	120.9	0.04	4.06	9.60	7	67	18	97	0.02	0.0	10.990	0.104	0	0	0	20
PL.11069	PL.11086	C	#4 ACSR	7.26Y	120.9	0.02	4.08	7.47	6	52	14	97	0.01	0.0	11.067	0.077	16	4	2	18
PL.10896	PL.11069	C	#4 ACSR	7.26Y	120.9	0.00	4.08	0.00	0	0	0	100	0.00	0.0	11.090	0.022	0	0	0	0
PL.11070	PL.11069	C	#4 ACSR	7.25Y	120.9	0.01	4.09	5.20	4	36	10	96	0.00	0.0	11.102	0.034	0	0	0	16
PL.10897	PL.11070	C	#4 ACSR	7.25Y	120.9	0.03	4.11	5.20	4	36	10	96	0.01	0.0	11.226	0.125	0	0	0	16
PL.10993	PL.10897	C	#4 ACSR	7.25Y	120.8	0.04	4.15	5.20	4	36	10	96	0.01	0.0	11.382	0.155	0	0	0	16
PL.10994	PL.10993	C	#4 ACSR	7.25Y	120.8	0.04	4.19	5.20	4	36	10	96	0.01	0.0	11.567	0.185	0	0	0	16
PL.10995	PL.10994	C	#4 ACSR	7.25Y	120.8	0.03	4.22	5.20	4	36	10	96	0.01	0.0	11.684	0.117	0	0	0	16
PL.11013	PL.10995	C	#4 ACSR	7.25Y	120.8	0.03	4.25	5.20	4	36	10	96	0.01	0.0	11.797	0.113	0	0	0	16
PL.10996	PL.11013	C	#4 ACSR	7.24Y	120.7	0.03	4.28	5.20	4	36	10	96	0.01	0.0	11.923	0.127	0	0	0	16
PL.11083	PL.10996	C	#4 ACSR	7.24Y	120.7	0.01	4.29	5.20	4	36	10	96	0.00	0.0	11.969	0.046	3	1	1	16
PL.11084	PL.11083	C	#4 ACSR	7.24Y	120.7	0.02	4.31	4.81	4	34	9	97	0.01	0.0	12.072	0.103	4	1	1	15
PL.11085	PL.11084	C	#4 ACSR	7.24Y	120.7	0.02	4.32	4.27	3	30	8	97	0.00	0.0	12.159	0.087	6	1	2	14
PL.11082	PL.11085	C	#4 ACSR	7.24Y	120.7	0.01	4.33	3.49	3	24	7	96	0.00	0.0	12.224	0.065	6	2	3	12
PL.11081	PL.11082	C	#4 ACSR	7.24Y	120.7	0.01	4.34	2.62	2	18	5	96	0.00	0.0	12.308	0.084	5	1	2	9
PL.11075	PL.11081	C	#4 ACSR	7.24Y	120.7	0.00	4.34	1.52	1	11	3	96	0.00	0.0	12.387	0.079	2	1	1	6
PL.11076	PL.11075	C	#4 ACSR	7.24Y	120.7	0.00	4.34	1.20	1	8	2	97	0.00	0.0	12.420	0.032	2	1	1	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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.11077	PL.11076	C	#4 ACSR	7.24Y	120.7	0.00	4.35	0.86	1	6	2	95	0.00	0.0	12.463	0.044	0	0	1	4
PL.11078	PL.11077	C	#4 ACSR	7.24Y	120.7	0.00	4.35	0.86	1	6	2	95	0.00	0.0	12.526	0.062	0	0	0	3
PL.10898	PL.11078	C	#4 ACSR	7.24Y	120.7	0.00	4.35	0.03	0	0	0	100	0.00	0.0	12.583	0.057	0	0	1	1
PL.11073	PL.11078	C	#4 ACSR	7.24Y	120.6	0.00	4.35	0.83	1	6	2	95	0.00	0.0	12.630	0.104	6	2	1	2
PL.11074	PL.11073	C	#4 ACSR	7.24Y	120.6	0.00	4.35	0.00	0	0	0	100	0.00	0.0	12.701	0.071	0	0	1	1
PL.11079	PL.11081	C	#4 ACSR	7.24Y	120.7	0.00	4.34	0.41	0	3	1	95	0.00	0.0	12.359	0.051	3	1	1	1
PL.11080	PL.11079	C	#4 ACSR	7.24Y	120.7	0.00	4.34	0.00	0	0	0	100	0.00	0.0	12.413	0.054	0	0	0	0
PL.10895	PL.11086	C	#4 ACSR	7.26Y	120.9	0.00	4.06	2.13	2	15	4	97	0.00	0.0	11.029	0.039	15	4	2	2
PL.10891	PL.10985	C	#4 ACSR	7.38Y	122.9	0.00	2.07	0.00	0	0	0	100	0.00	0.0	8.019	0.074	0	0	0	0
PL.10889	PL.11043	C	#4 ACSR	7.43Y	123.8	0.00	1.19	0.00	0	0	0	100	0.00	0.0	6.993	0.061	0	0	0	0
PL.10606	PL.11041	C	#4 ACSR	7.44Y	124.0	0.00	1.00	0.00	0	0	0	100	0.00	0.0	6.834	0.111	0	0	0	0
PL.10983	PL.10606	C	#4 ACSR	7.44Y	124.0	0.00	1.00	0.00	0	0	0	100	0.00	0.0	6.915	0.082	0	0	0	0
PL.10604	PL.11412	C	#1/0 ACSR	7.46Y	124.4	0.00	0.64	0.72	0	5	1	98	0.00	0.0	6.385	0.060	5	1	1	1
PL.11125	PL.11038	C	#4 ACSR	7.42Y	123.7	0.01	1.32	1.14	1	8	2	97	0.00	0.0	6.402	0.174	5	1	1	2
PL.11126	PL.11125	C	#4 ACSR	7.42Y	123.7	0.00	1.32	0.40	0	3	1	95	0.00	0.0	6.454	0.052	3	1	1	1
PL.11273	PL.11036	C	6 A (CWC)	7.44Y	124.0	0.00	1.03	0.16	0	1	0	100	0.00	0.0	5.867	0.005	0	0	0	1
PD.1983	PL.11273	C	40T	7.44Y	124.0	0.00	1.03	0.16	0	1	0	100	0.00	0.0	5.867	0.005	0	0	0	1
PL.11274	PD.1983	C	6 A (CWC)	7.44Y	124.0	0.00	1.03	0.16	0	1	0	100	0.00	0.0	5.958	0.091	1	0	1	1
PL.11297	PL.11034	C	#4 ACSR	7.45Y	124.2	0.00	0.84	0.16	0	1	0	100	0.00	0.0	5.554	0.005	0	0	0	1
PD.1994	PL.11297	C	40T	7.45Y	124.2	0.00	0.84	0.16	0	1	0	100	0.00	0.0	5.554	0.005	0	0	0	1
PL.11298	PD.1994	C	#4 ACSR	7.45Y	124.2	0.00	0.84	0.16	0	1	0	100	0.00	0.0	5.592	0.038	1	0	1	1
PL.11301	PL.10980	C	6 A (CWC)	7.45Y	124.2	0.00	0.79	0.22	0	2	0	100	0.00	0.0	5.481	0.005	0	0	0	1
PD.1996	PL.11301	C	T	7.45Y	124.2	0.00	0.79	0.22	0	2	0	100	0.00	0.0	5.481	0.005	0	0	0	1
PL.11302	PD.1996	C	6 A (CWC)	7.45Y	124.2	0.00	0.79	0.22	0	2	0	100	0.00	0.0	5.520	0.039	2	0	1	1
PL.11309	PL.10978	A	#1/0 ACSR	7.45Y	124.2	0.00	0.77	0.00	0	0	0	100	0.00	0.0	5.165	0.005	0	0	0	0
PD.2000	PL.11309	A	40T	7.45Y	124.2	0.00	0.77	0.00	0	0	0	100	0.00	0.0	5.165	0.005	0	0	0	0
PL.11310	PD.2000	A	#1/0 ACSR	7.45Y	124.2	0.00	0.77	0.00	0	0	0	100	0.00	0.0	5.291	0.127	0	0	0	0
PL.11285	PL.11033	A	#4 ACSR	7.46Y	124.3	0.00	0.72	0.16	0	1	0	100	0.00	0.0	4.398	0.005	0	0	0	1
PD.1989	PL.11285	A	65T	7.46Y	124.3	0.00	0.72	0.16	0	1	0	100	0.00	0.0	4.398	0.005	0	0	0	1
PL.11286	PD.1989	A	#4 ACSR	7.46Y	124.3	0.00	0.72	0.16	0	1	0	100	0.00	0.0	4.419	0.020	1	0	1	1
PL.33041	PL.11033	A	#1/0 ACSR	7.46Y	124.3	0.00	0.72	0.01	0	0	0	100	0.00	0.0	4.402	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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.33043	PL.33041	A	#1/0 ACSR	7.46Y	124.3	0.00	0.72	0.01	0	0	0	100	0.00	0.0	4.404	0.002	0	0	0	1
PD.4889	PL.33043	A	65T	7.46Y	124.3	0.00	0.72	0.01	0	0	0	100	0.00	0.0	4.404	0.002	0	0	0	1
PL.33044	PD.4889	A	#1/0 ACSR	7.46Y	124.3	0.00	0.72	0.01	0	0	0	100	0.00	0.0	4.435	0.032	0	0	1	1
PL.11145	PL.11031	B	6 A (CWC)	7.46Y	124.3	0.01	0.68	3.14	2	23	6	97	0.00	0.0	4.066	0.060	2	1	3	19
PL.11295	PL.11145	B	6 A (CWC)	7.46Y	124.3	0.01	0.69	2.85	2	21	6	96	0.00	0.0	4.142	0.077	0	0	0	16
PD.1993	PL.11295	B	25T	7.46Y	124.3	0.00	0.69	2.85	0	21	6	96	0.00	0.0	4.142	0.077	0	0	0	16
PL.11296	PD.1993	B	6 A (CWC)	7.46Y	124.3	0.01	0.70	2.85	2	21	6	96	0.00	0.0	4.212	0.070	1	0	1	16
PL.11146	PL.11296	B	6 A (CWC)	7.46Y	124.3	0.01	0.71	2.67	2	19	5	97	0.00	0.0	4.288	0.076	0	0	0	15
PL.11152	PL.11146	B	6 A (CWC)	7.46Y	124.3	0.01	0.72	1.97	1	14	4	96	0.00	0.0	4.396	0.108	2	1	1	10
PL.11153	PL.11152	B	6 A (CWC)	7.46Y	124.3	0.00	0.72	1.67	1	12	3	97	0.00	0.0	4.443	0.047	1	0	1	9
PL.11148	PL.11153	B	6 A (CWC)	7.46Y	124.3	0.01	0.73	1.57	1	11	3	96	0.00	0.0	4.549	0.106	0	0	0	8
PL.11149	PL.11148	B	6 A (CWC)	7.46Y	124.3	0.01	0.74	1.57	1	11	3	96	0.00	0.0	4.635	0.086	1	0	1	8
PL.11150	PL.11149	B	6 A (CWC)	7.46Y	124.3	0.00	0.74	1.48	1	11	3	96	0.00	0.0	4.669	0.034	1	0	1	7
PL.11151	PL.11150	B	6 A (CWC)	7.46Y	124.3	0.01	0.74	1.36	1	10	3	96	0.00	0.0	4.781	0.112	5	1	1	6
PL.10951	PL.11151	B	6 A (CWC)	7.46Y	124.3	0.00	0.74	0.64	0	5	1	98	0.00	0.0	4.827	0.047	1	0	1	5
PL.11156	PL.10951	B	#4 ACSR	7.46Y	124.3	0.00	0.75	0.47	0	3	1	95	0.00	0.0	4.954	0.127	0	0	0	4
PL.11157	PL.11156	B	#4 ACSR	7.46Y	124.3	0.00	0.75	0.47	0	3	1	95	0.00	0.0	5.070	0.116	1	0	2	4
PL.11158	PL.11157	B	#4 ACSR	7.46Y	124.3	0.00	0.75	0.26	0	2	1	89	0.00	0.0	5.149	0.079	2	0	1	2
PL.11159	PL.11158	B	#4 ACSR	7.46Y	124.3	0.00	0.75	0.03	0	0	0	100	0.00	0.0	5.178	0.028	0	0	1	1
PL.11032	PL.11146	B	6 A (CWC)	7.46Y	124.3	0.00	0.71	0.71	1	5	1	98	0.00	0.0	4.405	0.118	0	0	0	5
PL.10972	PL.11032	B	6 A (CWC)	7.46Y	124.3	0.01	0.72	0.71	1	5	1	98	0.00	0.0	4.591	0.185	0	0	0	5
PL.10973	PL.10972	B	6 A (CWC)	7.46Y	124.3	0.00	0.72	0.71	1	5	1	98	0.00	0.0	4.658	0.067	0	0	0	5
PL.10594	PL.10973	B	6 A (CWC)	7.46Y	124.3	0.00	0.72	0.71	1	5	1	98	0.00	0.0	4.666	0.008	0	0	0	5
PL.10596	PL.10594	B	6 A (CWC)	7.46Y	124.3	0.00	0.72	0.21	0	2	0	100	0.00	0.0	4.753	0.087	2	0	1	1
PL.10967	PL.10594	B	6 A (CWC)	7.46Y	124.3	0.00	0.72	0.50	0	4	1	97	0.00	0.0	4.748	0.083	0	0	0	4
PL.10597	PL.10967	B	6 A (CWC)	7.46Y	124.3	0.00	0.72	0.08	0	1	0	100	0.00	0.0	4.805	0.056	1	0	1	1
PL.11154	PL.10967	B	6 A (CWC)	7.46Y	124.3	0.00	0.72	0.42	0	3	1	95	0.00	0.0	4.778	0.029	0	0	0	3
PL.11155	PL.11154	B	6 A (CWC)	7.46Y	124.3	0.00	0.73	0.42	0	3	1	95	0.00	0.0	4.860	0.083	1	0	1	3
PL.11120	PL.11155	B	6 A (CWC)	7.46Y	124.3	0.00	0.73	0.35	0	3	1	95	0.00	0.0	5.036	0.175	3	1	2	2
PL.10595	PL.11120	B	#2 ACSR	7.46Y	124.3	0.00	0.73	0.00	0	0	0	100	0.00	0.0	5.122	0.087	0	0	0	0
PL.11291	PL.11031	C	336 MCM AC	7.46Y	124.3	0.00	0.67	2.01	0	14	4	96	0.00	0.0	4.010	0.004	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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.1991	PL.11291	C	65T	7.46Y	124.3	0.00	0.67	2.01	0	14	4	96	0.00	0.0	4.010	0.004	0	0	0	5
PL.11292	PD.1991	C	336 MCM AC	7.46Y	124.3	0.00	0.67	2.01	0	14	4	96	0.00	0.0	4.043	0.034	11	3	4	5
PL.10591	PL.11292	C	#4 ACSR	7.46Y	124.3	0.00	0.67	0.43	0	3	1	95	0.00	0.0	4.084	0.040	3	1	1	1
PL.11293	PL.11030	A	6 A (CWC)	7.46Y	124.3	0.00	0.66	0.66	0	5	1	98	0.00	0.0	3.874	0.005	0	0	0	2
PD.1992	PL.11293	A	65T	7.46Y	124.3	0.00	0.66	0.66	0	5	1	98	0.00	0.0	3.874	0.005	0	0	0	2
PL.11294	PD.1992	A	6 A (CWC)	7.46Y	124.3	0.00	0.66	0.66	0	5	1	98	0.00	0.0	3.961	0.087	2	0	1	2
PL.10590	PL.11294	A	6 A (CWC)	7.46Y	124.3	0.00	0.66	0.45	0	3	1	95	0.00	0.0	4.001	0.040	3	1	1	1
PL.66119	PL.11140	B	#1/0 ACSR	7.46Y	124.4	0.00	0.63	0.30	0	2	1	89	0.00	0.0	3.684	0.003	0	0	0	1
PD.9993	PL.66119	B	65T	7.46Y	124.4	0.00	0.63	0.30	0	2	1	89	0.00	0.0	3.684	0.003	0	0	0	1
PL.66120	PD.9993	B	#1/0 ACSR	7.46Y	124.4	0.00	0.63	0.30	0	2	1	89	0.00	0.0	3.737	0.053	2	1	1	1
PL.11289	PL.11136	A	#4 ACSR	7.46Y	124.4	0.00	0.62	0.18	0	1	0	100	0.00	0.0	3.593	0.005	0	0	0	1
PD.1990	PL.11289	A	65T	7.46Y	124.4	0.00	0.62	0.18	0	1	0	100	0.00	0.0	3.593	0.005	0	0	0	1
PL.11290	PD.1990	A	#4 ACSR	7.46Y	124.4	0.00	0.62	0.18	0	1	0	100	0.00	0.0	3.688	0.095	1	0	1	1
PL.11311	PL.11164	A	6 A (CWC)	7.47Y	124.5	0.00	0.52	0.23	0	2	0	100	0.00	0.0	2.779	0.005	0	0	0	1
PD.2001	PL.11311	A	65T	7.47Y	124.5	0.00	0.52	0.23	0	2	0	100	0.00	0.0	2.779	0.005	0	0	0	1
PL.11312	PD.2001	A	6 A (CWC)	7.47Y	124.5	0.00	0.52	0.23	0	2	0	100	0.00	0.0	2.856	0.077	2	0	1	1
PL.10857	PL.10948	C	#1/0 ACSR	7.48Y	124.6	0.00	0.36	0.96	0	7	2	96	0.00	0.0	1.600	0.005	0	0	0	2
PD.2008	PL.10857	C	65T	7.48Y	124.6	0.00	0.36	0.96	0	7	2	96	0.00	0.0	1.600	0.005	0	0	0	2
PL.10858	PD.2008	C	#1/0 ACSR	7.48Y	124.6	0.00	0.36	0.96	0	7	2	96	0.00	0.0	1.602	0.002	0	0	0	2
PL.10859	PL.10858	C	#1/0 ACSR	7.48Y	124.6	0.00	0.36	0.96	0	7	2	96	0.00	0.0	1.663	0.061	7	2	2	2
PL.10950	PD.2008	C	#1/0 ACSR	7.48Y	124.6	0.00	0.36	0.00	0	0	0	100	0.00	0.0	1.658	0.058	0	0	0	0
PL.10588	PL.10948	B	6 A (CWC)	7.48Y	124.6	0.00	0.36	0.54	0	4	1	97	0.00	0.0	1.693	0.097	1	0	1	3
PL.11325	PL.10588	B	#4 ACSR	7.48Y	124.6	0.00	0.36	0.43	0	3	1	95	0.00	0.0	1.697	0.005	0	0	0	2
PD.2009	PL.11325	B	65T	7.48Y	124.6	0.00	0.36	0.43	0	3	1	95	0.00	0.0	1.697	0.005	0	0	0	2
PL.11326	PD.2009	B	#4 ACSR	7.48Y	124.6	0.00	0.36	0.43	0	3	1	95	0.00	0.0	1.810	0.112	2	1	1	2
PL.11188	PL.11326	B	#4 ACSR	7.48Y	124.6	0.00	0.36	0.17	0	1	0	100	0.00	0.0	1.859	0.049	1	0	1	1
PL.11329	PL.10969	C	#2 ACSR	7.48Y	124.7	0.00	0.31	0.37	0	3	1	95	0.00	0.0	1.312	0.005	0	0	0	1
PD.2011	PL.11329	C	65T	7.48Y	124.7	0.00	0.31	0.37	0	3	1	95	0.00	0.0	1.312	0.005	0	0	0	1
PL.11330	PD.2011	C	#2 ACSR	7.48Y	124.7	0.00	0.31	0.37	0	3	1	95	0.00	0.0	1.434	0.122	3	1	1	1
PL.11327	PL.11028	A	6 A (CWC)	7.48Y	124.7	0.00	0.29	3.09	2	22	6	96	0.00	0.0	1.131	0.004	0	0	0	8
PD.2010	PL.11327	A	65T	7.48Y	124.7	0.00	0.29	3.09	0	22	6	96	0.00	0.0	1.131	0.004	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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.11328	PD.2010	A	6 A (CWC)	7.48Y	124.7	0.02	0.31	3.09	2	22	6	96	0.00	0.0	1.266	0.136	4	1	2	8
PL.10861	PL.11328	A	6 A (CWC)	7.48Y	124.7	0.00	0.31	0.91	1	7	2	96	0.00	0.0	1.370	0.104	0	0	0	4
PL.11191	PL.10861	A	#4 ACSR	7.48Y	124.7	0.00	0.31	0.56	0	4	1	97	0.00	0.0	1.423	0.053	0	0	1	3
PL.11192	PL.11191	A	#4 ACSR	7.48Y	124.7	0.00	0.31	0.56	0	4	1	97	0.00	0.0	1.441	0.018	0	0	0	2
PL.10607	PL.11192	A	#4 ACSR	7.48Y	124.7	0.00	0.31	0.56	0	4	1	97	0.00	0.0	1.496	0.055	4	1	2	2
PL.10608	PL.10607	A	#4 ACSR	7.48Y	124.7	0.00	0.31	0.00	0	0	0	100	0.00	0.0	1.523	0.026	0	0	0	0
PL.10862	PL.10608	A	#4 ACSR	7.48Y	124.7	0.00	0.31	0.00	0	0	0	100	0.00	0.0	1.545	0.022	0	0	0	0
PL.10945	PL.10861	A	6 A (CWC)	7.48Y	124.7	0.00	0.31	0.35	0	3	1	95	0.00	0.0	1.446	0.076	0	0	0	1
PL.10968	PL.10945	A	6 A (CWC)	7.48Y	124.7	0.00	0.31	0.35	0	3	1	95	0.00	0.0	1.573	0.127	3	1	1	1
PL.10860	PL.11328	A	6 A (CWC)	7.48Y	124.7	0.00	0.31	1.61	1	12	3	97	0.00	0.0	1.315	0.049	0	0	0	2
PL.11189	PL.10860	A	6 A (CWC)	7.48Y	124.7	0.00	0.31	1.61	1	12	3	97	0.00	0.0	1.333	0.018	9	2	1	2
PL.11190	PL.11189	A	6 A (CWC)	7.48Y	124.7	0.00	0.31	0.41	0	3	1	95	0.00	0.0	1.383	0.049	3	1	1	1
CP.20	PL.11409	ABC	Cap (300)	7.49Y	124.8	0.00	0.24	0.00	0	0	0	100	0.00	0.0	0.790	0.049	0	0	0	0
PL.11363	PL.11177	A	#4 ACSR	7.49Y	124.8	0.00	0.22	0.03	0	0	0	100	0.00	0.0	0.687	0.005	0	0	0	1
PD.2027	PL.11363	A	T	7.49Y	124.8	0.00	0.22	0.03	0	0	0	100	0.00	0.0	0.687	0.005	0	0	0	1
PL.11364	PD.2027	A	#4 ACSR	7.49Y	124.8	0.00	0.22	0.03	0	0	0	100	0.00	0.0	0.755	0.068	0	0	1	1
PL.11317	PL.10942	C	#2 ACSR	7.49Y	124.8	0.00	0.19	3.57	2	26	7	97	0.00	0.0	0.555	0.005	0	0	0	4
PD.2004	PL.11317	C	65T	7.49Y	124.8	0.00	0.19	3.57	0	26	7	97	0.00	0.0	0.555	0.005	0	0	0	4
PL.11318	PD.2004	C	#2 ACSR	7.49Y	124.8	0.00	0.20	3.57	2	26	7	97	0.00	0.0	0.581	0.026	26	7	4	4
PL.11507	Oneida	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	20.56	4	437	152	94	0.00	0.0	0.007	0.007	0	0	0	106
PL.27883	PL.11507	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	20.56	4	437	152	94	0.00	0.0	0.011	0.004	0	0	0	106
----- Feeder No. 5 (Wildcat F5) Beginning with Device PD.3856 -----																				
PD.3856	PL.27883	ABC	360VWE	7.50Y	125.0	0.00	0.00	20.56	0	437	152	94	0.00	0.0	0.011	0.004	0	0	0	106
PL.11508	PD.3856	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	20.56	4	437	152	94	0.01	0.0	0.026	0.015	0	0	0	106
PL.11445	PL.11508	ABC	336 MCM AC	7.50Y	125.0	0.01	0.02	20.56	4	437	152	94	0.03	0.0	0.102	0.076	0	0	0	106
PL.11456	PL.11445	ABC	336 MCM AC	7.50Y	125.0	0.01	0.03	20.56	4	437	152	94	0.03	0.0	0.193	0.091	0	0	0	106
PL.11457	PL.11456	ABC	336 MCM AC	7.50Y	125.0	0.01	0.05	20.56	4	437	152	94	0.03	0.0	0.282	0.088	0	0	0	106
PL.11454	PL.11457	ABC	336 MCM AC	7.50Y	124.9	0.02	0.07	20.56	4	437	152	94	0.05	0.0	0.426	0.145	0	0	0	106
PL.10631	PL.11454	ABC	336 MCM AC	7.50Y	124.9	0.00	0.07	20.56	4	437	151	95	0.00	0.0	0.437	0.010	11	5	1	106

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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.10632	PL.10631	ABC	336 MCM AC	7.50Y	124.9	0.01	0.08	20.02	4	426	146	95	0.01	0.0	0.477	0.040	4	1	1	105
PL.10630	PL.10632	ABC	336 MCM AC	7.49Y	124.9	0.01	0.09	19.85	4	422	145	95	0.02	0.0	0.551	0.075	4	1	3	104
PL.10629	PL.10630	ABC	336 MCM AC	7.49Y	124.9	0.01	0.10	19.69	4	419	144	95	0.01	0.0	0.592	0.041	11	3	1	101
PL.10627	PL.10629	ABC	336 MCM AC	7.49Y	124.9	0.00	0.10	17.84	3	378	133	94	0.01	0.0	0.620	0.027	5	1	4	90
PL.10628	PL.10627	ABC	336 MCM AC	7.49Y	124.9	0.01	0.11	17.62	3	374	132	94	0.01	0.0	0.656	0.037	0	0	0	86
PL.10623	PL.10628	ABC	336 MCM AC	7.49Y	124.9	0.02	0.12	17.62	3	374	132	94	0.03	0.0	0.769	0.113	0	0	0	86
PL.11446	PL.10623	ABC	336 MCM AC	7.49Y	124.9	0.02	0.15	17.62	3	373	132	94	0.04	0.0	0.937	0.168	0	0	0	86
PL.11458	PL.11446	ABC	336 MCM AC	7.49Y	124.8	0.01	0.15	17.53	3	371	131	94	0.02	0.0	1.004	0.067	1	0	1	85
PL.10649	PL.11458	A	#4 ACSR	7.49Y	124.8	0.00	0.15	1.12	1	8	2	97	0.00	0.0	1.008	0.005	0	0	0	4
PD.2057	PL.10649	A	65T	7.49Y	124.8	0.00	0.15	1.12	0	8	2	97	0.00	0.0	1.008	0.005	0	0	0	4
PL.10650	PD.2057	A	#4 ACSR	7.49Y	124.8	0.00	0.16	1.12	1	8	2	97	0.00	0.0	1.057	0.049	8	2	4	4
PL.11459	PL.11458	ABC	336 MCM AC	7.49Y	124.8	0.00	0.16	17.12	3	363	129	94	0.01	0.0	1.034	0.030	4	1	1	80
PL.11460	PL.11459	ABC	336 MCM AC	7.49Y	124.8	0.01	0.17	16.92	3	358	127	94	0.02	0.0	1.109	0.075	0	0	0	78
PL.10651	PL.11460	A	#4 ACSR	7.49Y	124.8	0.00	0.17	1.39	1	10	3	96	0.00	0.0	1.114	0.005	0	0	0	4
PD.2058	PL.10651	A	65T	7.49Y	124.8	0.00	0.17	1.39	0	10	3	96	0.00	0.0	1.114	0.005	0	0	0	4
PL.10652	PD.2058	A	#4 ACSR	7.49Y	124.8	0.00	0.17	1.39	1	10	3	96	0.00	0.0	1.176	0.062	10	3	4	4
PL.10620	PL.11460	ABC	336 MCM AC	7.49Y	124.8	0.01	0.18	16.46	3	348	125	94	0.02	0.0	1.201	0.092	4	1	2	74
PL.10621	PL.10620	ABC	336 MCM AC	7.49Y	124.8	0.01	0.19	16.30	3	345	124	94	0.02	0.0	1.287	0.085	0	0	0	72
PL.11416	PL.10621	A	#4 ACSR	7.49Y	124.8	0.01	0.20	2.82	2	20	5	97	0.00	0.0	1.341	0.054	1	0	2	9
PL.11422	PL.11416	A	#4 ACSR	7.49Y	124.8	0.00	0.20	0.25	0	2	0	100	0.00	0.0	1.391	0.050	2	0	1	1
PL.10647	PL.11416	A	#4 ACSR	7.49Y	124.8	0.00	0.20	2.44	2	18	5	96	0.00	0.0	1.345	0.004	0	0	0	6
PD.2056	PL.10647	A	65T	7.49Y	124.8	0.00	0.20	2.44	0	18	5	96	0.00	0.0	1.345	0.004	0	0	0	6
PL.10648	PD.2056	A	#4 ACSR	7.49Y	124.8	0.01	0.21	2.44	2	18	5	96	0.00	0.0	1.444	0.099	0	0	0	6
PL.11447	PL.10648	A	#4 ACSR	7.49Y	124.8	0.02	0.23	2.44	2	18	5	96	0.00	0.0	1.587	0.143	0	0	0	6
PL.11498	PL.11447	A	#4 ACSR	7.49Y	124.8	0.01	0.23	2.44	2	18	5	96	0.00	0.0	1.648	0.061	6	2	1	6
PL.11499	PL.11498	A	#4 ACSR	7.49Y	124.8	0.00	0.24	1.56	1	11	3	96	0.00	0.0	1.725	0.076	4	1	2	5
PL.11497	PL.11499	A	#4 ACSR	7.49Y	124.8	0.00	0.24	1.01	1	7	2	96	0.00	0.0	1.824	0.100	1	0	1	3
PL.11493	PL.11497	A	#4 ACSR	7.49Y	124.8	0.00	0.24	0.81	1	6	2	95	0.00	0.0	1.862	0.038	6	2	1	2
PL.11494	PL.11493	A	#4 ACSR	7.49Y	124.8	0.00	0.24	0.00	0	0	0	100	0.00	0.0	1.930	0.068	0	0	1	1
PL.11433	PL.10621	ABC	336 MCM AC	7.49Y	124.8	0.01	0.20	15.36	3	324	118	94	0.02	0.0	1.375	0.088	0	0	0	63
PL.11461	PL.11433	ABC	336 MCM AC	7.49Y	124.8	0.01	0.22	15.36	3	324	118	94	0.02	0.0	1.472	0.097	2	0	2	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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.10645	PL.11461	C	#1/0 ACSR	7.49Y	124.8	0.00	0.22	0.00	0	0	0	100	0.00	0.0	1.476	0.005	0	0	0	0
PD.2055	PL.10645	C	65T	7.49Y	124.8	0.00	0.22	0.00	0	0	0	100	0.00	0.0	1.476	0.005	0	0	0	0
PL.10646	PD.2055	C	#1/0 ACSR	7.49Y	124.8	0.00	0.22	0.00	0	0	0	100	0.00	0.0	1.541	0.065	0	0	0	0
PL.11495	PL.11461	ABC	336 MCM AC	7.49Y	124.8	0.01	0.22	15.28	3	322	118	94	0.01	0.0	1.532	0.060	0	0	1	61
PL.11496	PL.11495	ABC	336 MCM AC	7.49Y	124.8	0.01	0.23	15.27	3	322	118	94	0.02	0.0	1.612	0.080	0	0	0	60
PL.11503	PL.11496	ABC	#4 ACSR	7.49Y	124.8	0.00	0.23	7.27	6	147	70	90	0.00	0.0	1.616	0.005	0	0	0	2
PD.2064	PL.11503	ABC	65T	7.49Y	124.8	0.00	0.23	7.27	0	147	70	90	0.00	0.0	1.616	0.005	0	0	0	2
PL.11504	PD.2064	ABC	#4 ACSR	7.48Y	124.7	0.02	0.26	7.27	6	147	70	90	0.03	0.0	1.706	0.090	0	0	0	2
PL.11448	PL.11504	ABC	#4 ACSR	7.48Y	124.7	0.04	0.30	7.27	6	147	70	90	0.05	0.0	1.867	0.161	0	0	0	2
PL.10633	PL.11448	ABC	#4 ACSR	7.48Y	124.7	0.01	0.31	7.27	6	147	70	90	0.01	0.0	1.897	0.030	6	2	1	2
PL.10634	PL.10633	ABC	#4 ACSR	7.48Y	124.7	0.00	0.31	7.00	5	141	69	90	0.00	0.0	1.916	0.019	141	69	1	1
PL.11434	PL.11496	ABC	336 MCM AC	7.49Y	124.8	0.01	0.24	8.07	2	175	47	97	0.00	0.0	1.696	0.085	0	0	0	58
PL.11417	PL.11434	ABC	#1/0 ACSR	7.48Y	124.7	0.02	0.25	8.07	4	175	47	97	0.02	0.0	1.801	0.105	0	0	0	58
PL.10643	PL.11417	C	#1/0 ACSR	7.48Y	124.7	0.00	0.25	0.85	0	6	2	95	0.00	0.0	1.806	0.005	0	0	0	5
PD.2054	PL.10643	C	65T	7.48Y	124.7	0.00	0.25	0.85	0	6	2	95	0.00	0.0	1.806	0.005	0	0	0	5
PL.10644	PD.2054	C	#1/0 ACSR	7.48Y	124.7	0.00	0.26	0.85	0	6	2	95	0.00	0.0	1.951	0.146	0	0	0	5
PL.11491	PL.10644	C	#1/0 ACSR	7.48Y	124.7	0.00	0.26	0.56	0	4	1	97	0.00	0.0	2.023	0.072	3	1	2	3
PL.11492	PL.11491	C	#1/0 ACSR	7.48Y	124.7	0.00	0.26	0.19	0	1	0	100	0.00	0.0	2.056	0.033	1	0	1	1
PL.11423	PL.10644	C	#4 ACSR	7.48Y	124.7	0.00	0.26	0.01	0	0	0	100	0.00	0.0	2.123	0.171	0	0	1	1
PL.11424	PL.10644	C	#2 ACSR	7.48Y	124.7	0.00	0.26	0.28	0	2	1	89	0.00	0.0	1.995	0.043	2	1	1	1
PL.11438	PL.11417	ABC	#1/0 ACSR	7.48Y	124.7	0.02	0.27	7.79	3	169	46	96	0.02	0.0	1.936	0.135	0	0	0	53
PL.11449	PL.11438	ABC	#1/0 ACSR	7.48Y	124.7	0.02	0.29	7.79	3	169	46	96	0.02	0.0	2.067	0.130	0	0	0	53
PL.11439	PL.11449	ABC	#1/0 ACSR	7.48Y	124.7	0.01	0.30	7.79	3	169	46	96	0.01	0.0	2.141	0.074	0	0	0	53
PL.11450	PL.11439	ABC	#1/0 ACSR	7.48Y	124.7	0.02	0.32	7.79	3	169	46	96	0.02	0.0	2.269	0.128	0	0	0	53
PL.11435	PL.11450	ABC	#1/0 ACSR	7.48Y	124.7	0.01	0.33	6.82	3	148	40	97	0.01	0.0	2.339	0.070	0	0	0	47
PL.11440	PL.11435	ABC	#1/0 ACSR	7.48Y	124.7	0.02	0.34	5.40	2	117	32	96	0.01	0.0	2.499	0.160	0	0	0	38
PL.11451	PL.11440	ABC	#1/0 ACSR	7.48Y	124.6	0.02	0.36	5.40	2	117	32	96	0.01	0.0	2.661	0.162	0	0	0	38
PL.11452	PL.11451	ABC	#1/0 ACSR	7.48Y	124.6	0.02	0.38	5.40	2	117	32	96	0.01	0.0	2.844	0.183	0	0	0	38
PL.10637	PL.11452	C	6 A (CWC)	7.48Y	124.6	0.01	0.39	1.47	1	11	3	96	0.00	0.0	2.973	0.129	0	0	0	3
PD.2051	PL.10637	C	65T	7.48Y	124.6	0.00	0.39	1.47	0	11	3	96	0.00	0.0	2.973	0.129	0	0	0	3
PL.10638	PD.2051	C	6 A (CWC)	7.48Y	124.6	0.00	0.39	1.47	1	11	3	96	0.00	0.0	3.002	0.030	6	2	1	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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.11484	PL.10638	C	6 A (CWC)	7.48Y	124.6	0.00	0.39	0.70	0	5	1	98	0.00	0.0	3.081	0.078	1	0	1	2
PL.11485	PL.11484	C	6 A (CWC)	7.48Y	124.6	0.00	0.39	0.62	0	4	1	97	0.00	0.0	3.125	0.045	0	0	0	1
PL.21293	PL.11485	C	#4 ACSR	7.48Y	124.6	0.00	0.39	0.62	0	4	1	97	0.00	0.0	3.168	0.043	0	0	0	1
PL.21294	PL.21293	C	#4 ACSR	7.48Y	124.6	0.00	0.39	0.62	0	4	1	97	0.00	0.0	3.244	0.075	0	0	0	1
PL.11453	PL.21294	C	#4 ACSR	7.48Y	124.6	0.00	0.40	0.62	0	4	1	97	0.00	0.0	3.371	0.128	0	0	0	1
PL.11482	PL.11453	C	#4 ACSR	7.48Y	124.6	0.00	0.40	0.62	0	4	1	97	0.00	0.0	3.490	0.119	4	1	1	1
PL.11483	PL.11482	C	#4 ACSR	7.48Y	124.6	0.00	0.40	0.00	0	0	0	100	0.00	0.0	3.542	0.052	0	0	0	0
PL.11441	PL.11452	ABC	#1/0 ACSR	7.48Y	124.6	0.01	0.38	4.91	2	106	29	96	0.01	0.0	2.937	0.094	0	0	0	35
PL.11505	PL.11441	C	6 A (CWC)	7.47Y	124.6	0.05	0.43	11.85	8	86	23	97	0.03	0.0	3.021	0.083	0	0	0	28
PD.2065	PL.11505	C	50L	7.47Y	124.6	0.00	0.43	11.85	24	86	23	97	0.00	0.0	3.021	0.083	0	0	0	28
PL.11506	PD.2065	C	6 A (CWC)	7.47Y	124.6	0.01	0.44	11.85	8	86	23	97	0.01	0.0	3.039	0.019	3	1	1	28
PL.11425	PL.11506	C	6 A (CWC)	7.47Y	124.5	0.03	0.47	11.42	8	82	22	97	0.02	0.0	3.094	0.054	0	0	0	27
PL.11462	PL.11425	C	6 A (CWC)	7.47Y	124.5	0.03	0.50	9.93	7	72	19	97	0.02	0.0	3.167	0.073	1	0	1	20
PL.11463	PL.11462	C	6 A (CWC)	7.47Y	124.5	0.04	0.54	9.85	7	71	19	97	0.02	0.0	3.254	0.087	5	1	1	19
PL.11427	PL.11463	C	#4 ACSR	7.47Y	124.5	0.01	0.55	9.12	7	66	18	96	0.00	0.0	3.276	0.023	0	0	0	18
PL.11442	PL.11427	C	6 A (CWC)	7.47Y	124.4	0.01	0.56	9.12	7	66	18	96	0.01	0.0	3.312	0.036	0	0	0	18
PL.11443	PL.11442	C	6 A (CWC)	7.47Y	124.4	0.02	0.58	8.17	6	59	16	97	0.01	0.0	3.372	0.060	14	4	2	16
PL.11444	PL.11443	C	6 A (CWC)	7.46Y	124.4	0.02	0.60	6.21	4	45	12	97	0.01	0.0	3.429	0.057	2	1	1	14
PL.11473	PL.11444	C	#4 ACSR	7.46Y	124.4	0.02	0.62	5.94	5	43	12	96	0.01	0.0	3.511	0.082	6	2	1	13
PL.11474	PL.11473	C	#4 ACSR	7.46Y	124.4	0.01	0.63	5.09	4	37	10	97	0.00	0.0	3.565	0.054	1	0	1	12
PL.11478	PL.11474	C	#4 ACSR	7.46Y	124.4	0.02	0.65	4.99	4	36	10	96	0.01	0.0	3.651	0.086	0	0	1	11
PL.11479	PL.11478	C	#4 ACSR	7.46Y	124.3	0.01	0.66	4.99	4	36	10	96	0.00	0.0	3.710	0.060	14	4	4	10
PL.11477	PL.11479	C	#4 ACSR	7.46Y	124.3	0.01	0.67	3.10	2	22	6	96	0.00	0.0	3.774	0.064	10	3	3	6
PL.11476	PL.11477	C	#4 ACSR	7.46Y	124.3	0.00	0.67	1.67	1	12	3	97	0.00	0.0	3.856	0.081	11	3	2	3
PL.11475	PL.11476	C	#4 ACSR	7.46Y	124.3	0.00	0.67	0.16	0	1	0	100	0.00	0.0	3.897	0.041	1	0	1	1
PL.11430	PL.11442	C	#4 ACSR	7.47Y	124.4	0.00	0.56	0.95	1	7	2	96	0.00	0.0	3.354	0.042	7	2	2	2
PL.11426	PL.11462	C	#4 ACSR	7.47Y	124.5	0.00	0.50	0.00	0	0	0	100	0.00	0.0	3.183	0.016	0	0	0	0
PL.11480	PL.11425	C	#4 ACSR	7.47Y	124.5	0.00	0.47	1.50	1	11	3	96	0.00	0.0	3.141	0.047	4	1	1	7
PL.11481	PL.11480	C	#4 ACSR	7.47Y	124.5	0.00	0.47	0.95	1	7	2	96	0.00	0.0	3.168	0.027	7	2	6	6
PL.11464	PL.11441	ABC	#1/0 ACSR	7.48Y	124.6	0.00	0.39	0.96	0	21	6	96	0.00	0.0	3.098	0.160	2	1	4	7
PL.11467	PL.11464	ABC	#1/0 ACSR	7.48Y	124.6	0.00	0.39	0.00	0	0	0	100	0.00	0.0	3.102	0.004	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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.11468	PL.11467	ABC	#1/0 ACSR	7.48Y	124.6	0.00	0.39	0.00	0	0	0	100	0.00	0.0	3.160	0.058	0	0	0	0
PL.7811	PL.11468	ABC	#1/0 ACSR	7.48Y	124.6	0.00	0.39	0.00	0	0	0	100	0.00	0.0	3.165	0.005	0	0	0	0
PD.1628-B	PL.7811	ABC	Open	7.48Y	124.6	0.00	0.39	0.00	0	0	0	100	0.00	0.0	3.165	0.005	0	0	0	0
PL.11419	PL.11464	C	#4 ACSR	7.48Y	124.6	0.00	0.39	2.55	2	18	5	96	0.00	0.0	3.102	0.005	0	0	0	3
PD.2062	PL.11419	C	65T	7.48Y	124.6	0.00	0.39	2.55	0	18	5	96	0.00	0.0	3.102	0.005	0	0	0	3
PL.11436	PD.2062	C	#4 ACSR	7.48Y	124.6	0.00	0.39	1.42	1	10	3	96	0.00	0.0	3.175	0.073	10	3	2	2
PL.11465	PD.2062	C	#4 ACSR	7.48Y	124.6	0.00	0.39	1.13	1	8	2	97	0.00	0.0	3.108	0.006	0	0	0	1
PL.11466	PL.11465	C	#4 ACSR	7.48Y	124.6	0.00	0.39	1.13	1	8	2	97	0.00	0.0	3.108	0.000	0	0	0	1
PL.11469	PL.11466	C	#4 ACSR	7.48Y	124.6	0.00	0.39	1.13	1	8	2	97	0.00	0.0	3.110	0.002	0	0	0	1
PL.11470	PL.11469	C	#4 ACSR	7.48Y	124.6	0.00	0.39	1.13	1	8	2	97	0.00	0.0	3.111	0.000	0	0	0	1
PL.11471	PL.11470	C	#4 ACSR	7.48Y	124.6	0.00	0.39	1.13	1	8	2	97	0.00	0.0	3.111	0.001	0	0	0	1
PL.11472	PL.11471	C	#4 ACSR	7.48Y	124.6	0.00	0.39	1.13	1	8	2	97	0.00	0.0	3.111	0.000	0	0	0	1
PL.11418	PL.11472	C	#4 ACSR	7.48Y	124.6	0.00	0.39	1.13	1	8	2	97	0.00	0.0	3.145	0.034	8	2	1	1
PL.10639	PL.11435	C	#4 ACSR	7.48Y	124.7	0.00	0.33	4.26	3	31	8	97	0.00	0.0	2.344	0.005	0	0	0	9
PD.2052	PL.10639	C	65T	7.48Y	124.7	0.00	0.33	4.26	0	31	8	97	0.00	0.0	2.344	0.005	0	0	0	9
PL.10640	PD.2052	C	#2 ACSR	7.48Y	124.7	0.01	0.33	4.26	2	31	8	97	0.00	0.0	2.386	0.042	0	0	0	9
PL.11490	PL.10640	C	#2 ACSR	7.48Y	124.7	0.00	0.34	4.26	2	31	8	97	0.00	0.0	2.416	0.030	6	2	2	9
PL.11489	PL.11490	C	#4 ACSR	7.48Y	124.7	0.01	0.34	3.45	3	25	7	96	0.00	0.0	2.466	0.050	3	1	1	7
PL.11432	PL.11489	C	6 A (CWC)	7.48Y	124.6	0.01	0.35	3.00	2	22	6	96	0.00	0.0	2.543	0.077	3	1	1	6
PL.11486	PL.11432	C	#4 ACSR	7.48Y	124.6	0.00	0.35	0.02	0	0	0	100	0.00	0.0	2.637	0.094	0	0	1	1
PL.11487	PL.11486	C	#4 ACSR	7.48Y	124.6	0.00	0.35	0.00	0	0	0	100	0.00	0.0	2.744	0.107	0	0	0	0
PL.11429	PL.11432	C	6 A (CWC)	7.48Y	124.6	0.00	0.36	2.54	2	18	5	96	0.00	0.0	2.614	0.070	18	5	4	4
PL.10641	PL.11450	C	#4 ACSR	7.48Y	124.7	0.00	0.32	2.88	2	21	6	96	0.00	0.0	2.274	0.005	0	0	0	6
PD.2053	PL.10641	C	65T	7.48Y	124.7	0.00	0.32	2.88	0	21	6	96	0.00	0.0	2.274	0.005	0	0	0	6
PL.10642	PD.2053	C	#4 ACSR	7.48Y	124.7	0.01	0.33	2.88	2	21	6	96	0.00	0.0	2.384	0.110	7	2	1	6
PL.11488	PL.10642	C	#4 ACSR	7.48Y	124.7	0.00	0.33	1.92	1	14	4	96	0.00	0.0	2.402	0.018	1	0	1	5
PL.11428	PL.11488	C	#4 ACSR	7.48Y	124.7	0.00	0.34	1.77	1	13	3	97	0.00	0.0	2.468	0.066	13	3	4	4
PL.10657	PL.11449	C	6 A (CWC)	7.48Y	124.7	0.00	0.29	0.00	0	0	0	100	0.00	0.0	2.071	0.004	0	0	0	0
PD.2061	PL.10657	C	65T	7.48Y	124.7	0.00	0.29	0.00	0	0	0	100	0.00	0.0	2.071	0.004	0	0	0	0
PL.11500	PD.2061	C	6 A (CWC)	7.48Y	124.7	0.00	0.29	0.00	0	0	0	100	0.00	0.0	2.154	0.083	0	0	0	0
PL.10653	PL.11459	C	6 A (CWC)	7.49Y	124.8	0.00	0.16	0.07	0	0	0	100	0.00	0.0	1.039	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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.2059	PL.10653	C	65T	7.49Y	124.8	0.00	0.16	0.07	0	0	0	100	0.00	0.0	1.039	0.005	0	0	0	1
PL.10654	PD.2059	C	6 A (CWC)	7.49Y	124.8	0.00	0.16	0.07	0	0	0	100	0.00	0.0	1.085	0.046	0	0	0	1
PL.11437	PL.10654	C	6 A (CWC)	7.49Y	124.8	0.00	0.16	0.07	0	0	0	100	0.00	0.0	1.174	0.089	0	0	1	1
PL.11415	PL.10654	C	#4 ACSR	7.49Y	124.8	0.00	0.16	0.00	0	0	0	100	0.00	0.0	1.198	0.113	0	0	0	0
PL.11501	PL.11446	ABC	#4 ACSR	7.49Y	124.9	0.00	0.15	0.09	0	2	1	89	0.00	0.0	0.942	0.005	0	0	0	1
PD.2063	PL.11501	ABC	65T	7.49Y	124.9	0.00	0.15	0.09	0	2	1	89	0.00	0.0	0.942	0.005	0	0	0	1
PL.11502	PD.2063	ABC	#4 ACSR	7.49Y	124.9	0.00	0.15	0.09	0	2	1	89	0.00	0.0	1.099	0.157	2	1	1	1
PL.10622	PL.11502	ABC	#4 ACSR	7.49Y	124.9	0.00	0.15	0.00	0	0	0	100	0.00	0.0	1.185	0.086	0	0	0	0
PL.10655	PL.10629	A	#2 ACSR	7.49Y	124.9	0.00	0.10	3.99	2	29	8	96	0.00	0.0	0.597	0.004	0	0	0	10
PD.2060	PL.10655	A	T	7.49Y	124.9	0.00	0.10	3.99	0	29	8	96	0.00	0.0	0.597	0.004	0	0	0	10
PL.10656	PD.2060	A	#2 ACSR	7.49Y	124.9	0.00	0.10	3.99	2	29	8	96	0.00	0.0	0.622	0.025	0	0	0	10
PL.10625	PL.10656	A	#2 ACSR	7.49Y	124.9	0.01	0.11	3.58	2	26	7	97	0.00	0.0	0.760	0.138	15	4	4	8
PL.10626	PL.10625	A	#2 ACSR	7.49Y	124.9	0.00	0.11	1.49	1	11	3	96	0.00	0.0	0.817	0.057	9	2	3	4
PL.10624	PL.10626	A	#2 ACSR	7.49Y	124.9	0.00	0.11	0.25	0	2	0	100	0.00	0.0	0.954	0.137	2	0	1	1
PL.11455	PL.10656	A	#2 ACSR	7.49Y	124.9	0.00	0.10	0.41	0	3	1	95	0.00	0.0	0.642	0.021	3	1	2	2
PL.12142	Oneida	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	32.76	6	710	196	96	0.01	0.0	0.008	0.008	0	0	0	324
PL.27882	PL.12142	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	32.76	6	710	196	96	0.00	0.0	0.011	0.002	0	0	0	324

----- Feeder No. 1 (Road Run F1) Beginning with Device PD.3855 -----

PD.3855	PL.27882	ABC	360VWE	7.50Y	125.0	0.00	0.00	32.76	0	710	196	96	0.00	0.0	0.011	0.002	0	0	0	324
PL.12143	PD.3855	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	32.76	6	710	196	96	0.01	0.0	0.017	0.006	0	0	0	324
PL.11515	PL.12143	ABC	336 MCM AC	7.50Y	125.0	0.01	0.01	32.76	6	710	196	96	0.02	0.0	0.042	0.026	0	0	0	324
PL.11516	PL.11515	ABC	#1/0 ACSR	7.50Y	124.9	0.05	0.06	32.76	14	710	196	96	0.24	0.0	0.127	0.085	16	4	3	324
PL.11517	PL.11516	ABC	#1/0 ACSR	7.50Y	124.9	0.02	0.08	32.00	14	694	191	96	0.10	0.0	0.165	0.037	0	0	0	321
PL.11518	PL.11517	ABC	#1/0 ACSR	7.49Y	124.9	0.03	0.11	32.00	14	694	191	96	0.14	0.0	0.215	0.051	10	3	1	321
PL.11519	PL.11518	ABC	#1/0 ACSR	7.49Y	124.9	0.02	0.13	31.52	14	683	188	96	0.10	0.0	0.252	0.036	0	0	1	320
PL.11520	PL.11519	ABC	#1/0 ACSR	7.49Y	124.8	0.03	0.16	31.52	14	683	188	96	0.15	0.0	0.309	0.057	0	0	0	319
PL.11521	PL.11520	ABC	#1/0 ACSR	7.49Y	124.8	0.06	0.22	31.52	14	683	188	96	0.28	0.0	0.415	0.105	6	2	1	319
PL.11522	PL.11521	ABC	#1/0 ACSR	7.49Y	124.8	0.02	0.24	31.24	14	677	186	96	0.07	0.0	0.441	0.027	0	0	0	318
PL.11523	PL.11522	ABC	#1/0 ACSR	7.48Y	124.7	0.05	0.29	31.24	14	676	186	96	0.24	0.0	0.535	0.094	0	0	0	318

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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.11524	PL.11523	ABC	#1/0 ACSR	7.48Y	124.7	0.05	0.34	31.24	14	676	186	96	0.23	0.0	0.625	0.090	4	1	1	318
PL.11525	PL.11524	C	#4 ACSR	7.48Y	124.7	0.00	0.34	0.89	1	6	2	95	0.00	0.0	0.645	0.020	0	0	0	2
PL.11526	PL.11525	C	#4 ACSR	7.48Y	124.7	0.00	0.34	0.89	1	6	2	95	0.00	0.0	0.684	0.038	6	2	2	2
PL.11527	PL.11524	ABC	#1/0 ACSR	7.48Y	124.6	0.03	0.38	30.75	13	665	183	96	0.15	0.0	0.685	0.060	8	2	1	315
PL.11528	PL.11527	ABC	336 MCM AC	7.48Y	124.6	0.03	0.40	30.38	6	657	181	96	0.09	0.0	0.799	0.114	3	1	1	314
PL.11529	PL.11528	ABC	336 MCM AC	7.47Y	124.6	0.02	0.42	30.26	6	654	180	96	0.08	0.0	0.905	0.106	0	0	0	313
PL.11530	PL.11529	C	6 A (CWC)	7.47Y	124.6	0.01	0.43	5.19	4	37	10	97	0.00	0.0	0.938	0.033	0	0	0	10
PL.12086	PL.11530	C	6 A (CWC)	7.47Y	124.6	0.00	0.43	5.19	4	37	10	97	0.00	0.0	0.943	0.005	0	0	0	10
PD.2071	PL.12086	C	65T	7.47Y	124.6	0.00	0.43	5.19	0	37	10	97	0.00	0.0	0.943	0.005	0	0	0	10
PL.12087	PD.2071	C	6 A (CWC)	7.47Y	124.6	0.01	0.45	5.19	4	37	10	97	0.00	0.0	1.028	0.085	22	6	5	10
PL.11532	PL.12087	C	6 A (CWC)	7.47Y	124.5	0.00	0.45	1.84	1	13	4	96	0.00	0.0	1.070	0.042	4	1	2	4
PL.11533	PL.11532	C	6 A (CWC)	7.47Y	124.5	0.00	0.45	1.22	1	9	2	98	0.00	0.0	1.128	0.057	3	1	1	2
PL.11534	PL.11533	C	6 A (CWC)	7.47Y	124.5	0.00	0.46	0.83	1	6	2	95	0.00	0.0	1.218	0.091	0	0	0	1
PL.11535	PL.11534	C	6 A (CWC)	7.47Y	124.5	0.00	0.46	0.83	1	6	2	95	0.00	0.0	1.291	0.073	6	2	1	1
PL.11536	PL.11535	C	#2 ACSR	7.47Y	124.5	0.00	0.46	0.00	0	0	0	100	0.00	0.0	1.304	0.013	0	0	0	0
PL.11537	PL.11536	C	#1/0 ACSR	7.47Y	124.5	0.00	0.46	0.00	0	0	0	100	0.00	0.0	1.364	0.061	0	0	0	0
PL.11531	PL.12087	C	6 A (CWC)	7.47Y	124.6	0.00	0.45	0.27	0	2	1	89	0.00	0.0	1.100	0.072	2	1	1	1
PL.11538	PL.11529	ABC	#1/0 ACSR	7.47Y	124.5	0.06	0.48	28.53	12	617	169	96	0.23	0.0	1.013	0.108	0	0	0	303
PL.11539	PL.11538	ABC	#1/0 ACSR	7.47Y	124.5	0.02	0.50	28.53	12	617	169	96	0.09	0.0	1.053	0.040	1	0	1	303
PL.11540	PL.11539	ABC	#1/0 ACSR	7.47Y	124.5	0.01	0.51	28.48	12	616	169	96	0.06	0.0	1.081	0.028	0	0	0	302
PL.11541	PL.11540	ABC	#1/0 ACSR	7.47Y	124.5	0.02	0.54	28.22	12	610	167	96	0.09	0.0	1.124	0.043	0	0	0	300
PL.11542	PL.11541	ABC	#1/0 ACSR	7.47Y	124.4	0.04	0.58	20.53	9	444	122	96	0.13	0.0	1.236	0.113	0	0	0	226
PL.11657	PL.11542	ABC	#1/0 ACSR	7.46Y	124.4	0.04	0.62	20.53	9	443	122	96	0.13	0.0	1.351	0.114	0	0	0	226
PL.11658	PL.11657	ABC	#1/0 ACSR	7.46Y	124.3	0.03	0.65	20.53	9	443	121	96	0.10	0.0	1.443	0.093	0	0	0	226
PL.11659	PL.11658	ABC	#1/0 ACSR	7.46Y	124.3	0.04	0.69	20.53	9	443	121	96	0.11	0.0	1.541	0.098	0	0	0	226
PL.11663	PL.11659	A	#2 ACSR	7.46Y	124.3	0.00	0.69	0.00	0	0	0	100	0.00	0.0	1.603	0.062	0	0	0	0
PL.11662	PL.11659	ABC	#1/0 ACSR	7.46Y	124.3	0.03	0.73	20.53	9	443	121	96	0.10	0.0	1.635	0.094	9	2	2	226
PL.11664	PL.11662	ABC	#1/0 ACSR	7.46Y	124.3	0.01	0.74	20.12	9	434	119	96	0.04	0.0	1.672	0.037	0	0	0	224
PL.12140	PL.11664	ABC	#1/0 ACSR	7.46Y	124.3	0.00	0.74	20.12	9	434	119	96	0.00	0.0	1.677	0.004	0	0	0	224
PL.12141	PL.12140	ABC	#1/0 ACSR	7.46Y	124.3	0.01	0.75	20.12	9	434	119	96	0.03	0.0	1.701	0.024	0	0	0	224
PL.11665	PL.12141	C	#2 ACSR	7.45Y	124.2	0.02	0.77	27.95	16	201	55	96	0.03	0.0	1.727	0.026	0	0	0	89

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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.12130	PL.11665	C	6 A (CWC)	7.45Y	124.2	0.00	0.78	27.95	20	201	55	96	0.01	0.0	1.729	0.003	0	0	0	89
PD.2093	PL.12130	C	50L	7.45Y	124.2	0.00	0.78	27.95	56	201	55	96	0.00	0.0	1.729	0.003	0	0	0	89
PL.12131	PD.2093	C	6 A (CWC)	7.45Y	124.2	0.03	0.81	27.95	20	201	55	96	0.05	0.0	1.756	0.027	0	0	0	89
PL.11669	PL.12131	C	6 A (CWC)	7.44Y	124.1	0.12	0.93	27.95	20	201	55	96	0.18	0.1	1.851	0.095	0	0	0	89
PL.11668	PL.11669	C	6 A (CWC)	7.44Y	124.1	0.00	0.93	0.28	0	2	1	89	0.00	0.0	1.901	0.050	2	1	2	2
PL.11670	PL.11669	C	6 A (CWC)	7.44Y	123.9	0.13	1.06	27.67	20	199	55	96	0.18	0.1	1.950	0.099	0	0	0	87
PL.11672	PL.11670	C	6 A (CWC)	7.43Y	123.8	0.11	1.17	27.67	20	198	55	96	0.17	0.1	2.041	0.091	1	0	1	87
PL.11673	PL.11672	C	6 A (CWC)	7.42Y	123.7	0.08	1.25	27.49	20	197	54	96	0.12	0.1	2.106	0.065	0	0	0	86
PL.11674	PL.11673	C	6 A (CWC)	7.42Y	123.6	0.16	1.41	27.49	20	197	54	96	0.23	0.1	2.233	0.127	0	0	0	86
PL.11675	PL.11674	C	6 A (CWC)	7.41Y	123.5	0.11	1.52	27.49	20	197	54	96	0.15	0.1	2.317	0.084	0	0	0	86
PL.11676	PL.11675	C	6 A (CWC)	7.40Y	123.4	0.09	1.60	27.49	20	196	54	96	0.13	0.1	2.386	0.069	0	0	0	86
PL.12052	PL.11676	C	6 A (CWC)	7.40Y	123.4	0.03	1.63	21.72	16	155	43	96	0.04	0.0	2.416	0.030	0	0	0	66
PL.11726	PL.12052	C	6 A (CWC)	7.40Y	123.3	0.06	1.70	21.72	16	155	43	96	0.07	0.0	2.479	0.063	0	0	0	66
PL.11727	PL.11726	C	6 A (CWC)	7.39Y	123.2	0.07	1.77	21.72	16	155	42	97	0.08	0.1	2.548	0.068	0	0	0	66
PL.11728	PL.11727	C	6 A (CWC)	7.39Y	123.2	0.08	1.85	21.72	16	155	42	97	0.09	0.1	2.629	0.082	0	0	0	66
PL.11729	PL.11728	C	#4 ACSR	7.39Y	123.2	0.00	1.85	0.23	0	2	0	100	0.00	0.0	2.661	0.031	0	0	0	2
PL.11730	PL.11729	C	#4 ACSR	7.39Y	123.2	0.00	1.85	0.23	0	2	0	100	0.00	0.0	2.687	0.026	2	0	2	2
PL.11731	PL.11728	C	6 A (CWC)	7.38Y	123.0	0.11	1.95	21.49	15	153	42	96	0.12	0.1	2.737	0.108	0	0	0	64
PL.11732	PL.11731	C	6 A (CWC)	7.38Y	123.0	0.10	2.05	21.49	15	153	42	96	0.11	0.1	2.835	0.098	0	0	0	64
PL.11733	PL.11732	C	#1/0 ACSR	7.38Y	123.0	0.00	2.05	0.11	0	1	0	100	0.00	0.0	2.876	0.041	1	0	2	2
PL.11734	PL.11732	C	6 A (CWC)	7.37Y	122.9	0.08	2.13	21.37	15	152	42	96	0.09	0.1	2.915	0.080	0	0	1	62
PL.11735	PL.11734	C	6 A (CWC)	7.37Y	122.8	0.06	2.19	21.37	15	152	42	96	0.07	0.0	2.981	0.066	4	1	1	61
PL.11736	PL.11735	C	6 A (CWC)	7.36Y	122.7	0.10	2.29	20.75	15	148	40	97	0.11	0.1	3.083	0.102	0	0	0	60
PL.11737	PL.11736	C	6 A (CWC)	7.36Y	122.6	0.07	2.36	20.75	15	147	40	96	0.08	0.1	3.160	0.077	0	0	0	60
PL.11739	PL.11737	C	#4 ACSR	7.36Y	122.6	0.00	2.36	0.20	0	1	0	100	0.00	0.0	3.207	0.047	1	0	1	1
PL.11738	PL.11737	C	6 A (CWC)	7.35Y	122.6	0.08	2.44	20.55	15	146	40	96	0.09	0.1	3.243	0.083	0	0	0	59
PL.12066	PL.11738	C	6 A (CWC)	7.35Y	122.5	0.05	2.49	20.55	15	146	40	96	0.06	0.0	3.300	0.057	0	0	0	59
PL.12067	PL.12066	C	6 A (CWC)	7.35Y	122.5	0.04	2.54	20.55	15	146	40	96	0.05	0.0	3.347	0.047	0	0	0	59
PL.11740	PL.12067	C	6 A (CWC)	7.34Y	122.4	0.09	2.62	20.55	15	146	40	96	0.10	0.1	3.440	0.094	0	0	0	59
PL.11741	PL.11740	C	6 A (CWC)	7.34Y	122.3	0.07	2.69	20.55	15	146	40	96	0.07	0.1	3.515	0.074	5	1	1	59
PL.11742	PL.11741	C	6 A (CWC)	7.33Y	122.2	0.10	2.79	19.85	14	141	38	97	0.10	0.1	3.623	0.108	7	2	3	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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.11743	PL.11742	C	6 A (CWC)	7.33Y	122.2	0.05	2.84	18.92	14	134	36	97	0.05	0.0	3.677	0.055	0	0	0	55
PL.11744	PL.11743	C	6 A (CWC)	7.33Y	122.1	0.04	2.88	18.92	14	134	36	97	0.04	0.0	3.728	0.051	3	1	2	55
PL.11745	PL.11744	C	#2 ACSR	7.33Y	122.1	0.00	2.88	0.53	0	4	1	97	0.00	0.0	3.796	0.068	4	1	2	2
PL.11746	PL.11744	C	6 A (CWC)	7.32Y	122.0	0.09	2.97	18.00	13	127	35	96	0.09	0.1	3.842	0.114	0	0	0	51
PL.11747	PL.11746	C	6 A (CWC)	7.32Y	121.9	0.10	3.08	18.00	13	127	34	97	0.10	0.1	3.970	0.128	2	0	1	51
PL.11748	PL.11747	C	6 A (CWC)	7.31Y	121.9	0.02	3.10	10.04	7	71	19	97	0.01	0.0	4.011	0.042	3	1	3	24
PL.11751	PL.11748	C	6 A (CWC)	7.31Y	121.9	0.03	3.12	9.63	7	68	18	97	0.01	0.0	4.080	0.069	4	1	1	21
PL.12092	PL.11751	C	6 A (CWC)	7.31Y	121.9	0.00	3.13	9.11	7	64	17	97	0.00	0.0	4.085	0.005	0	0	0	20
PD.2074	PL.12092	C	25T	7.31Y	121.9	0.00	3.13	9.11	0	64	17	97	0.00	0.0	4.085	0.005	0	0	0	20
PL.12093	PD.2074	C	6 A (CWC)	7.31Y	121.8	0.03	3.16	9.11	7	64	17	97	0.02	0.0	4.168	0.084	2	1	1	20
PL.11752	PL.12093	C	6 A (CWC)	7.31Y	121.8	0.03	3.19	8.81	6	62	17	96	0.01	0.0	4.246	0.077	0	0	0	19
PL.11753	PL.11752	C	6 A (CWC)	7.31Y	121.8	0.04	3.24	8.81	6	62	17	96	0.02	0.0	4.357	0.112	0	0	0	19
PL.11754	PL.11753	C	6 A (CWC)	7.30Y	121.7	0.05	3.29	8.81	6	62	17	96	0.02	0.0	4.484	0.127	2	0	1	19
PL.11755	PL.11754	C	6 A (CWC)	7.30Y	121.7	0.02	3.31	8.58	6	60	16	97	0.01	0.0	4.541	0.057	0	0	0	18
PL.11756	PL.11755	C	6 A (CWC)	7.30Y	121.7	0.02	3.33	8.58	6	60	16	97	0.01	0.0	4.590	0.049	1	0	1	18
PL.11757	PL.11756	C	6 A (CWC)	7.30Y	121.6	0.03	3.36	8.44	6	59	16	97	0.01	0.0	4.675	0.085	4	1	1	17
PL.11758	PL.11757	C	6 A (CWC)	7.30Y	121.6	0.02	3.38	7.82	6	55	15	96	0.01	0.0	4.735	0.060	0	0	0	16
PL.11759	PL.11758	C	6 A (CWC)	7.29Y	121.6	0.04	3.42	7.82	6	55	15	96	0.02	0.0	4.850	0.115	0	0	0	16
PL.11760	PL.11759	C	6 A (CWC)	7.29Y	121.5	0.05	3.47	7.82	6	55	15	96	0.02	0.0	4.980	0.130	0	0	0	16
PL.11761	PL.11760	C	6 A (CWC)	7.29Y	121.5	0.03	3.50	7.82	6	55	15	96	0.01	0.0	5.072	0.092	0	0	0	16
PL.11762	PL.11761	C	6 A (CWC)	7.29Y	121.5	0.02	3.52	7.82	6	55	15	96	0.01	0.0	5.133	0.061	0	0	0	16
PL.11763	PL.11762	C	6 A (CWC)	7.29Y	121.4	0.05	3.57	7.82	6	55	15	96	0.02	0.0	5.275	0.142	0	0	0	16
PL.12054	PL.11763	C	6 A (CWC)	7.28Y	121.4	0.03	3.60	7.82	6	55	15	96	0.01	0.0	5.355	0.080	0	0	0	16
PL.11765	PL.12054	C	6 A (CWC)	7.28Y	121.4	0.04	3.64	7.82	6	55	15	96	0.02	0.0	5.455	0.101	0	0	0	16
PL.11767	PL.11765	C	6 A (CWC)	7.28Y	121.3	0.03	3.67	7.82	6	55	15	96	0.01	0.0	5.546	0.091	7	2	1	16
PL.11768	PL.11767	C	6 A (CWC)	7.28Y	121.3	0.01	3.68	6.75	5	47	13	96	0.00	0.0	5.598	0.052	16	4	3	15
PL.11769	PL.11768	C	6 A (CWC)	7.28Y	121.3	0.01	3.69	4.46	3	31	8	97	0.00	0.0	5.657	0.059	0	0	0	12
PL.11770	PL.11769	C	#1/0 ACSR	7.28Y	121.3	0.00	3.69	0.00	0	0	0	100	0.00	0.0	5.689	0.032	0	0	0	0
PL.11771	PL.11769	C	6 A (CWC)	7.28Y	121.3	0.01	3.70	4.46	3	31	8	97	0.00	0.0	5.705	0.048	1	0	1	12
PL.11772	PL.11771	C	6 A (CWC)	7.28Y	121.3	0.01	3.72	4.33	3	30	8	97	0.00	0.0	5.775	0.070	9	2	2	11
PL.11773	PL.11772	C	6 A (CWC)	7.28Y	121.3	0.01	3.73	3.08	2	22	6	96	0.00	0.0	5.859	0.085	10	3	2	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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.11774	PL.11773	C	6 A (CWC)	7.28Y	121.3	0.00	3.73	1.59	1	11	3	96	0.00	0.0	5.907	0.048	0	0	0	7
PL.11775	PL.11774	C	6 A (CWC)	7.28Y	121.3	0.00	3.73	1.59	1	11	3	96	0.00	0.0	5.955	0.047	0	0	0	7
PL.11776	PL.11775	C	6 A (CWC)	7.28Y	121.3	0.00	3.74	1.59	1	11	3	96	0.00	0.0	6.002	0.048	0	0	0	7
PL.11777	PL.11776	C	6 A (CWC)	7.28Y	121.3	0.00	3.74	1.59	1	11	3	96	0.00	0.0	6.038	0.036	4	1	2	7
PL.11778	PL.11777	C	6 A (CWC)	7.28Y	121.3	0.00	3.74	0.97	1	7	2	96	0.00	0.0	6.120	0.081	3	1	1	5
PL.11779	PL.11778	C	6 A (CWC)	7.28Y	121.3	0.00	3.74	0.56	0	4	1	97	0.00	0.0	6.142	0.023	3	1	1	4
PL.11781	PL.11779	C	6 A (CWC)	7.28Y	121.3	0.00	3.74	0.05	0	0	0	100	0.00	0.0	6.187	0.045	0	0	0	2
PL.11782	PL.11781	C	6 A (CWC)	7.28Y	121.3	0.00	3.74	0.05	0	0	0	100	0.00	0.0	6.268	0.080	0	0	0	2
PL.11783	PL.11782	C	6 A (CWC)	7.28Y	121.3	0.00	3.74	0.05	0	0	0	100	0.00	0.0	6.339	0.071	0	0	0	2
PL.11784	PL.11783	C	6 A (CWC)	7.28Y	121.3	0.00	3.74	0.05	0	0	0	100	0.00	0.0	6.427	0.088	0	0	0	2
PL.11785	PL.11784	C	6 A (CWC)	7.28Y	121.3	0.00	3.74	0.05	0	0	0	100	0.00	0.0	6.474	0.047	0	0	0	2
PL.11786	PL.11785	C	6 A (CWC)	7.28Y	121.3	0.00	3.74	0.05	0	0	0	100	0.00	0.0	6.523	0.049	0	0	2	2
PL.65818	PL.11781	C	#1/0 ACSR	7.28Y	121.3	0.00	3.74	0.00	0	0	0	100	0.00	0.0	6.212	0.025	0	0	0	0
PL.11780	PL.11779	C	#1/0 ACSR	7.28Y	121.3	0.00	3.74	0.05	0	0	0	100	0.00	0.0	6.153	0.011	0	0	1	1
PL.11764	PL.12054	C	6 A (CWC)	7.28Y	121.4	0.00	3.60	0.00	0	0	0	100	0.00	0.0	5.438	0.084	0	0	0	0
PL.11766	PL.11764	C	#4 ACSR	7.28Y	121.4	0.00	3.60	0.00	0	0	0	100	0.00	0.0	5.475	0.037	0	0	0	0
PL.11749	PL.11747	C	6 A (CWC)	7.31Y	121.9	0.02	3.10	7.70	6	54	15	96	0.01	0.0	4.032	0.062	2	0	1	26
PL.11750	PL.11749	C	6 A (CWC)	7.31Y	121.9	0.03	3.12	7.47	5	53	14	97	0.01	0.0	4.109	0.076	0	0	0	25
PL.11787	PL.11750	C	#2 ACSR	7.31Y	121.9	0.00	3.12	0.20	0	1	0	100	0.00	0.0	4.167	0.059	1	0	1	1
PL.11788	PL.11750	C	6 A (CWC)	7.31Y	121.9	0.02	3.15	7.26	5	51	14	96	0.01	0.0	4.180	0.071	7	2	3	24
PL.11789	PL.11788	C	6 A (CWC)	7.31Y	121.8	0.03	3.17	6.24	4	44	12	96	0.01	0.0	4.275	0.095	0	0	0	21
PL.11790	PL.11789	C	6 A (CWC)	7.31Y	121.8	0.01	3.19	6.24	4	44	12	96	0.00	0.0	4.323	0.048	4	1	1	21
PL.11791	PL.11790	C	6 A (CWC)	7.31Y	121.8	0.02	3.21	5.66	4	40	11	96	0.01	0.0	4.412	0.089	1	0	2	20
PL.11792	PL.11791	C	6 A (CWC)	7.31Y	121.8	0.03	3.24	5.56	4	39	11	96	0.01	0.0	4.531	0.119	0	0	0	18
PL.11794	PL.11792	C	6 A (CWC)	7.30Y	121.7	0.01	3.25	4.55	3	32	9	96	0.00	0.0	4.589	0.058	6	2	1	13
PL.11797	PL.11794	C	6 A (CWC)	7.30Y	121.7	0.01	3.26	3.70	3	26	7	97	0.00	0.0	4.635	0.046	5	1	1	12
PL.11798	PL.11797	C	6 A (CWC)	7.30Y	121.7	0.01	3.27	2.99	2	21	6	96	0.00	0.0	4.741	0.106	0	0	0	11
PL.11799	PL.11798	C	6 A (CWC)	7.30Y	121.7	0.01	3.28	2.50	2	18	5	96	0.00	0.0	4.830	0.089	0	0	0	8
PL.11801	PL.11799	C	6 A (CWC)	7.30Y	121.7	0.01	3.29	2.50	2	18	5	96	0.00	0.0	4.893	0.063	0	0	0	8
PL.12068	PL.11801	C	#4 ACSR	7.30Y	121.7	0.00	3.29	1.12	1	8	2	97	0.00	0.0	4.927	0.034	3	1	2	5
PL.12069	PL.12068	C	#4 ACSR	7.30Y	121.7	0.00	3.29	0.64	0	4	1	97	0.00	0.0	4.958	0.031	4	1	3	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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----			
																KW	KVAR	Cons On	Cons Thru	

PL.11814	PL.11801	C	6 A (CWC)	7.30Y	121.7	0.01	3.30	1.38	1	10	3	96	0.00	0.0	5.006	0.113	0	0	0	3
PL.11815	PL.11814	C	6 A (CWC)	7.30Y	121.7	0.00	3.30	1.38	1	10	3	96	0.00	0.0	5.085	0.079	6	2	2	3
PL.11816	PL.11815	C	#2 ACSR	7.30Y	121.7	0.00	3.30	0.54	0	4	1	97	0.00	0.0	5.127	0.042	0	0	0	1
PL.11817	PL.11816	C	#2 ACSR	7.30Y	121.7	0.00	3.30	0.54	0	4	1	97	0.00	0.0	5.214	0.088	0	0	0	1
PL.11818	PL.11817	C	#2 ACSR	7.30Y	121.7	0.00	3.30	0.54	0	4	1	97	0.00	0.0	5.252	0.037	4	1	1	1
PL.11800	PL.11798	C	6 A (CWC)	7.30Y	121.7	0.00	3.27	0.50	0	3	1	95	0.00	0.0	4.831	0.090	0	0	0	3
PL.12094	PL.11800	C	6 A (CWC)	7.30Y	121.7	0.00	3.27	0.50	0	3	1	95	0.00	0.0	4.836	0.005	0	0	0	3
PD.2075	PL.12094	C	20T	7.30Y	121.7	0.00	3.27	0.50	0	3	1	95	0.00	0.0	4.836	0.005	0	0	0	3
PL.12095	PD.2075	C	6 A (CWC)	7.30Y	121.7	0.00	3.28	0.50	0	3	1	95	0.00	0.0	4.938	0.102	0	0	0	3
PL.11802	PL.12095	C	6 A (CWC)	7.30Y	121.7	0.00	3.28	0.18	0	1	0	100	0.00	0.0	4.988	0.050	1	0	1	1
PL.11803	PL.12095	C	6 A (CWC)	7.30Y	121.7	0.00	3.28	0.32	0	2	1	89	0.00	0.0	4.994	0.056	0	0	1	2
PL.11804	PL.11803	C	6 A (CWC)	7.30Y	121.7	0.00	3.28	0.27	0	2	1	89	0.00	0.0	5.056	0.062	0	0	0	1
PL.11805	PL.11804	C	6 A (CWC)	7.30Y	121.7	0.00	3.28	0.27	0	2	1	89	0.00	0.0	5.188	0.133	0	0	0	1
PL.11806	PL.11805	C	6 A (CWC)	7.30Y	121.7	0.00	3.28	0.27	0	2	1	89	0.00	0.0	5.296	0.108	0	0	0	1
PL.11807	PL.11806	C	6 A (CWC)	7.30Y	121.7	0.00	3.28	0.27	0	2	1	89	0.00	0.0	5.363	0.067	0	0	0	1
PL.11808	PL.11807	C	6 A (CWC)	7.30Y	121.7	0.00	3.28	0.00	0	0	0	100	0.00	0.0	5.421	0.058	0	0	0	0
PL.11809	PL.11808	C	6 A (CWC)	7.30Y	121.7	0.00	3.28	0.00	0	0	0	100	0.00	0.0	5.489	0.069	0	0	0	0
PL.11810	PL.11807	C	6 A (CWC)	7.30Y	121.7	0.00	3.28	0.27	0	2	1	89	0.00	0.0	5.418	0.055	0	0	0	1
PL.11811	PL.11810	C	6 A (CWC)	7.30Y	121.7	0.00	3.28	0.27	0	2	1	89	0.00	0.0	5.525	0.107	0	0	0	1
PL.11812	PL.11811	C	6 A (CWC)	7.30Y	121.7	0.00	3.28	0.27	0	2	1	89	0.00	0.0	5.548	0.023	0	0	0	1
PL.11813	PL.11812	C	6 A (CWC)	7.30Y	121.7	0.00	3.28	0.27	0	2	1	89	0.00	0.0	5.580	0.032	2	1	1	1
PL.11793	PL.11792	C	6 A (CWC)	7.31Y	121.8	0.00	3.24	1.00	1	7	2	96	0.00	0.0	4.609	0.078	5	1	2	5
PL.11795	PL.11793	C	#2 ACSR	7.31Y	121.8	0.00	3.24	0.35	0	2	1	89	0.00	0.0	4.638	0.029	2	1	1	3
PL.11796	PL.11795	C	#2 ACSR	7.31Y	121.8	0.00	3.24	0.00	0	0	0	100	0.00	0.0	4.665	0.027	0	0	2	2
PL.12090	PL.11676	C	6 A (CWC)	7.40Y	123.4	0.00	1.61	5.77	4	41	11	97	0.00	0.0	2.390	0.005	0	0	0	20
PD.2073	PL.12090	C	30T	7.40Y	123.4	0.00	1.61	5.77	0	41	11	97	0.00	0.0	2.390	0.005	0	0	0	20
PL.12091	PD.2073	C	6 A (CWC)	7.40Y	123.4	0.03	1.63	5.77	4	41	11	97	0.01	0.0	2.496	0.105	0	0	0	20
PL.11677	PL.12091	C	6 A (CWC)	7.40Y	123.3	0.03	1.66	5.77	4	41	11	97	0.01	0.0	2.608	0.112	0	0	0	20
PL.11678	PL.11677	C	6 A (CWC)	7.40Y	123.3	0.03	1.69	5.77	4	41	11	97	0.01	0.0	2.708	0.100	0	0	0	20
PL.11679	PL.11678	C	6 A (CWC)	7.40Y	123.3	0.02	1.71	5.77	4	41	11	97	0.01	0.0	2.782	0.074	0	0	0	20
PL.11680	PL.11679	C	6 A (CWC)	7.40Y	123.3	0.01	1.72	5.77	4	41	11	97	0.00	0.0	2.823	0.041	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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.11681	PL.11680	C	#2 ACSR	7.40Y	123.3	0.00	1.72	0.93	1	7	2	96	0.00	0.0	2.901	0.078	0	0	0	1
PL.11683	PL.11681	C	#2 ACSR	7.40Y	123.3	0.00	1.72	0.93	1	7	2	96	0.00	0.0	2.921	0.020	7	2	1	1
PL.11682	PL.11680	C	6 A (CWC)	7.40Y	123.3	0.02	1.74	4.84	3	35	9	97	0.00	0.0	2.904	0.081	0	0	0	19
PL.11684	PL.11682	C	6 A (CWC)	7.39Y	123.2	0.02	1.76	4.84	3	35	9	97	0.01	0.0	2.996	0.092	0	0	1	19
PL.11685	PL.11684	C	6 A (CWC)	7.39Y	123.2	0.00	1.76	1.35	1	10	3	96	0.00	0.0	3.066	0.071	0	0	0	7
PL.11687	PL.11685	C	6 A (CWC)	7.39Y	123.2	0.01	1.77	1.35	1	10	3	96	0.00	0.0	3.190	0.124	0	0	0	7
PL.11688	PL.11687	C	6 A (CWC)	7.39Y	123.2	0.01	1.78	1.35	1	10	3	96	0.00	0.0	3.272	0.082	0	0	0	7
PL.11689	PL.11688	C	6 A (CWC)	7.39Y	123.2	0.00	1.78	1.35	1	10	3	96	0.00	0.0	3.363	0.091	3	1	2	7
PL.11690	PL.11689	C	6 A (CWC)	7.39Y	123.2	0.00	1.78	0.96	1	7	2	96	0.00	0.0	3.428	0.064	0	0	0	5
PL.11691	PL.11690	C	6 A (CWC)	7.39Y	123.2	0.00	1.78	0.96	1	7	2	96	0.00	0.0	3.466	0.038	0	0	0	5
PL.11692	PL.11691	C	6 A (CWC)	7.39Y	123.2	0.00	1.79	0.96	1	7	2	96	0.00	0.0	3.552	0.086	3	1	2	5
PL.11693	PL.11692	C	6 A (CWC)	7.39Y	123.2	0.00	1.79	0.48	0	3	1	95	0.00	0.0	3.611	0.059	0	0	0	3
PL.11694	PL.11693	C	6 A (CWC)	7.39Y	123.2	0.00	1.79	0.48	0	3	1	95	0.00	0.0	3.690	0.080	2	1	1	3
PL.11696	PL.11694	C	#2 ACSR	7.39Y	123.2	0.00	1.79	0.22	0	2	0	100	0.00	0.0	3.764	0.074	2	0	2	2
PL.11695	PL.11694	C	6 A (CWC)	7.39Y	123.2	0.00	1.79	0.00	0	0	0	100	0.00	0.0	3.719	0.029	0	0	0	0
PL.12096	PL.11695	C	#1/0 ACSR	7.39Y	123.2	0.00	1.79	0.00	0	0	0	100	0.00	0.0	3.724	0.005	0	0	0	0
PD.2076	PL.12096	C	12T	7.39Y	123.2	0.00	1.79	0.00	0	0	0	100	0.00	0.0	3.724	0.005	0	0	0	0
PL.12097	PD.2076	C	#1/0 ACSR	7.39Y	123.2	0.00	1.79	0.00	0	0	0	100	0.00	0.0	3.751	0.027	0	0	0	0
PL.11697	PL.12097	C	#1/0 ACSR	7.39Y	123.2	0.00	1.79	0.00	0	0	0	100	0.00	0.0	3.789	0.038	0	0	0	0
PL.11698	PL.11697	C	#1/0 ACSR	7.39Y	123.2	0.00	1.79	0.00	0	0	0	100	0.00	0.0	3.840	0.051	0	0	0	0
PL.11699	PL.11698	C	#1/0 ACSR	7.39Y	123.2	0.00	1.79	0.00	0	0	0	100	0.00	0.0	3.874	0.034	0	0	0	0
PL.11686	PL.11684	C	6 A (CWC)	7.39Y	123.2	0.01	1.77	3.49	2	25	7	96	0.00	0.0	3.084	0.089	0	0	0	11
PL.11700	PL.11686	C	6 A (CWC)	7.39Y	123.2	0.02	1.79	3.49	2	25	7	96	0.00	0.0	3.203	0.119	0	0	0	11
PL.11701	PL.11700	C	6 A (CWC)	7.39Y	123.2	0.02	1.81	3.49	2	25	7	96	0.00	0.0	3.330	0.127	2	1	2	11
PL.11702	PL.11701	C	6 A (CWC)	7.39Y	123.2	0.02	1.83	3.22	2	23	6	97	0.00	0.0	3.466	0.136	0	0	0	9
PL.11703	PL.11702	C	6 A (CWC)	7.39Y	123.2	0.01	1.85	3.22	2	23	6	97	0.00	0.0	3.567	0.100	0	0	0	9
PL.11704	PL.11703	C	6 A (CWC)	7.39Y	123.1	0.03	1.87	3.22	2	23	6	97	0.00	0.0	3.743	0.177	0	0	0	9
PL.11705	PL.11704	C	6 A (CWC)	7.39Y	123.1	0.02	1.89	3.22	2	23	6	97	0.00	0.0	3.846	0.103	0	0	0	9
PL.11706	PL.11705	C	6 A (CWC)	7.39Y	123.1	0.01	1.90	3.22	2	23	6	97	0.00	0.0	3.946	0.099	0	0	0	9
PL.11707	PL.11706	C	6 A (CWC)	7.39Y	123.1	0.01	1.92	3.22	2	23	6	97	0.00	0.0	4.047	0.101	0	0	0	9
PL.11708	PL.11707	C	6 A (CWC)	7.38Y	123.1	0.02	1.93	3.22	2	23	6	97	0.00	0.0	4.152	0.105	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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.11710	PL.11708	C	6 A (CWC)	7.38Y	123.1	0.00	1.93	0.96	1	7	2	96	0.00	0.0	4.230	0.078	0	0	0	3
PL.11711	PL.11710	C	6 A (CWC)	7.38Y	123.1	0.00	1.94	0.96	1	7	2	96	0.00	0.0	4.293	0.062	0	0	0	3
PL.11712	PL.11711	C	6 A (CWC)	7.38Y	123.1	0.00	1.94	0.96	1	7	2	96	0.00	0.0	4.336	0.043	0	0	0	3
PL.11713	PL.11712	C	6 A (CWC)	7.38Y	123.1	0.00	1.94	0.96	1	7	2	96	0.00	0.0	4.394	0.057	7	2	3	3
PL.11709	PL.11708	C	6 A (CWC)	7.38Y	123.1	0.00	1.93	2.26	2	16	4	97	0.00	0.0	4.186	0.033	0	0	0	6
PL.11716	PL.11709	C	6 A (CWC)	7.38Y	123.1	0.01	1.94	2.26	2	16	4	97	0.00	0.0	4.251	0.065	0	0	0	6
PL.11717	PL.11716	C	6 A (CWC)	7.38Y	123.1	0.01	1.95	2.26	2	16	4	97	0.00	0.0	4.329	0.078	2	0	1	6
PL.11718	PL.11717	C	6 A (CWC)	7.38Y	123.0	0.01	1.96	2.00	1	14	4	96	0.00	0.0	4.407	0.078	2	1	1	5
PL.11720	PL.11718	C	6 A (CWC)	7.38Y	123.0	0.01	1.96	1.64	1	12	3	97	0.00	0.0	4.485	0.078	2	1	1	3
PL.11721	PL.11720	C	6 A (CWC)	7.38Y	123.0	0.00	1.97	1.38	1	10	3	96	0.00	0.0	4.563	0.078	0	0	0	2
PL.11722	PL.11721	C	6 A (CWC)	7.38Y	123.0	0.00	1.97	1.38	1	10	3	96	0.00	0.0	4.664	0.101	6	2	1	2
PL.11723	PL.11722	C	6 A (CWC)	7.38Y	123.0	0.00	1.97	0.56	0	4	1	97	0.00	0.0	4.766	0.102	0	0	0	1
PL.11724	PL.11723	C	6 A (CWC)	7.38Y	123.0	0.00	1.98	0.56	0	4	1	97	0.00	0.0	4.861	0.095	0	0	0	1
PL.11725	PL.11724	C	6 A (CWC)	7.38Y	123.0	0.00	1.98	0.56	0	4	1	97	0.00	0.0	4.940	0.079	4	1	1	1
PL.11719	PL.11718	C	#1/0 ACSR	7.38Y	123.0	0.00	1.96	0.04	0	0	0	100	0.00	0.0	4.456	0.049	0	0	1	1
PL.11666	PL.12141	ABC	#1/0 ACSR	7.45Y	124.2	0.00	0.75	10.80	5	233	63	97	0.00	0.0	1.713	0.012	8	2	3	135
PL.11667	PL.11666	ABC	#1/0 ACSR	7.45Y	124.2	0.02	0.77	10.45	5	225	61	97	0.04	0.0	1.839	0.126	0	0	1	132
PL.11819	PL.11667	ABC	#1/0 ACSR	7.45Y	124.2	0.01	0.79	10.13	4	219	59	97	0.02	0.0	1.899	0.061	0	0	0	127
PL.12138	PL.11819	ABC	#1/0 ACSR	7.45Y	124.2	0.00	0.79	10.13	4	219	59	97	0.00	0.0	1.902	0.003	0	0	0	127
PD.2097	PL.12138	ABC	50L	7.45Y	124.2	0.00	0.79	10.13	20	219	59	97	0.00	0.0	1.902	0.003	0	0	0	127
PL.12139	PD.2097	ABC	#1/0 ACSR	7.45Y	124.2	0.02	0.80	10.13	4	219	59	97	0.03	0.0	1.996	0.094	0	0	0	127
PL.11820	PL.12139	ABC	#1/0 ACSR	7.45Y	124.2	0.01	0.81	10.13	4	219	59	97	0.01	0.0	2.026	0.029	0	0	0	127
PL.11821	PL.11820	ABC	#1/0 ACSR	7.45Y	124.2	0.01	0.82	10.13	4	219	59	97	0.01	0.0	2.074	0.049	4	1	1	127
PL.11822	PL.11821	ABC	#1/0 ACSR	7.45Y	124.2	0.01	0.83	9.93	4	214	58	97	0.01	0.0	2.117	0.043	5	1	2	126
PL.11823	PL.11822	A	#4 ACSR	7.45Y	124.2	0.00	0.83	0.71	1	5	1	98	0.00	0.0	2.199	0.082	5	1	2	2
PL.11824	PL.11822	ABC	#1/0 ACSR	7.45Y	124.2	0.02	0.84	9.47	4	204	55	97	0.02	0.0	2.216	0.099	2	0	2	122
PL.11826	PL.11824	ABC	#1/0 ACSR	7.45Y	124.1	0.02	0.86	9.10	4	196	53	97	0.02	0.0	2.315	0.099	1	0	1	115
PL.11829	PL.11826	ABC	#1/0 ACSR	7.45Y	124.1	0.02	0.88	8.84	4	191	52	96	0.02	0.0	2.422	0.107	1	0	1	110
PL.11830	PL.11829	ABC	#1/0 ACSR	7.45Y	124.1	0.02	0.89	8.79	4	190	51	97	0.02	0.0	2.526	0.104	0	0	0	109
PL.11831	PL.11830	ABC	#1/0 ACSR	7.45Y	124.1	0.01	0.90	8.79	4	190	51	97	0.01	0.0	2.596	0.070	1	0	1	109
PL.11832	PL.11831	ABC	#1/0 ACSR	7.44Y	124.1	0.02	0.92	8.72	4	188	51	97	0.02	0.0	2.700	0.105	0	0	0	108

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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.11833	PL.11832	ABC	#1/0 ACSR	7.44Y	124.1	0.01	0.93	8.00	3	172	47	96	0.01	0.0	2.749	0.049	0	0	0	90
PL.11838	PL.11833	B	6 A (CWC)	7.44Y	124.1	0.00	0.93	0.30	0	2	1	89	0.00	0.0	2.778	0.029	0	0	0	2
PL.11839	PL.11838	B	6 A (CWC)	7.44Y	124.1	0.00	0.93	0.30	0	2	1	89	0.00	0.0	2.818	0.040	2	1	2	2
PL.11840	PL.11839	B	6 A (CWC)	7.44Y	124.1	0.00	0.93	0.00	0	0	0	100	0.00	0.0	2.868	0.051	0	0	0	0
PL.11837	PL.11833	ABC	#1/0 ACSR	7.44Y	124.1	0.01	0.94	7.90	3	170	46	97	0.01	0.0	2.827	0.078	0	0	0	88
PL.21284	PL.11837	C	#1/0 ACSR	7.44Y	124.1	0.00	0.94	0.60	0	4	1	97	0.00	0.0	2.831	0.004	0	0	0	1
PD.3061	PL.21284	C	20T	7.44Y	124.1	0.00	0.94	0.60	0	4	1	97	0.00	0.0	2.831	0.004	0	0	0	1
PL.21285	PD.3061	C	#1/0 ACSR	7.44Y	124.1	0.00	0.94	0.60	0	4	1	97	0.00	0.0	2.859	0.028	4	1	1	1
PL.12078	PL.11837	A	#4 ACSR	7.44Y	124.1	0.00	0.94	0.26	0	2	1	89	0.00	0.0	2.832	0.005	0	0	0	2
PD.2067	PL.12078	A	20T	7.44Y	124.1	0.00	0.94	0.26	0	2	1	89	0.00	0.0	2.832	0.005	0	0	0	2
PL.12079	PD.2067	A	#4 ACSR	7.44Y	124.1	0.00	0.94	0.26	0	2	1	89	0.00	0.0	2.868	0.036	2	1	2	2
PL.11841	PL.11837	ABC	#1/0 ACSR	7.44Y	124.1	0.01	0.95	7.61	3	164	44	97	0.01	0.0	2.916	0.089	1	0	1	85
PL.11842	PL.11841	C	#2 ACSR	7.44Y	124.1	0.00	0.95	0.01	0	0	0	100	0.00	0.0	2.937	0.020	0	0	0	1
PL.12080	PL.11842	C	#2 ACSR	7.44Y	124.1	0.00	0.95	0.01	0	0	0	100	0.00	0.0	2.941	0.005	0	0	0	1
PD.2068	PL.12080	C	20T	7.44Y	124.1	0.00	0.95	0.01	0	0	0	100	0.00	0.0	2.941	0.005	0	0	0	1
PL.12081	PD.2068	C	#2 ACSR	7.44Y	124.1	0.00	0.95	0.01	0	0	0	100	0.00	0.0	3.023	0.081	0	0	1	1
PL.11843	PL.11841	ABC	#1/0 ACSR	7.44Y	124.0	0.01	0.95	7.57	3	163	44	97	0.01	0.0	2.958	0.042	0	0	0	83
PL.11844	PL.11843	A	6 A (CWC)	7.44Y	124.0	0.00	0.96	0.34	0	2	1	89	0.00	0.0	2.970	0.012	0	0	0	1
PL.11912	PL.11844	A	6 A (CWC)	7.44Y	124.0	0.00	0.96	0.34	0	2	1	89	0.00	0.0	3.025	0.055	2	1	1	1
PL.11845	PL.11843	ABC	#1/0 ACSR	7.44Y	124.0	0.01	0.96	7.46	3	161	44	96	0.01	0.0	3.027	0.069	0	0	0	82
PL.11846	PL.11845	C	#2 ACSR	7.44Y	124.0	0.00	0.97	0.74	0	5	1	98	0.00	0.0	3.065	0.038	0	0	0	2
PL.12084	PL.11846	C	#2 ACSR	7.44Y	124.0	0.00	0.97	0.74	0	5	1	98	0.00	0.0	3.069	0.005	0	0	0	2
PD.2070	PL.12084	C	20T	7.44Y	124.0	0.00	0.97	0.74	0	5	1	98	0.00	0.0	3.069	0.005	0	0	0	2
PL.12085	PD.2070	C	#2 ACSR	7.44Y	124.0	0.00	0.97	0.74	0	5	1	98	0.00	0.0	3.145	0.076	0	0	0	2
PL.12014	PL.12085	C	#2 ACSR	7.44Y	124.0	0.00	0.97	0.74	0	5	1	98	0.00	0.0	3.241	0.096	0	0	0	2
PL.12015	PL.12014	C	#2 ACSR	7.44Y	124.0	0.00	0.97	0.74	0	5	1	98	0.00	0.0	3.306	0.065	0	0	0	2
PL.12016	PL.12015	C	#2 ACSR	7.44Y	124.0	0.00	0.97	0.74	0	5	1	98	0.00	0.0	3.402	0.096	0	0	0	2
PL.12017	PL.12016	C	#2 ACSR	7.44Y	124.0	0.00	0.97	0.74	0	5	1	98	0.00	0.0	3.488	0.086	0	0	0	2
PL.12018	PL.12017	C	#2 ACSR	7.44Y	124.0	0.00	0.98	0.74	0	5	1	98	0.00	0.0	3.590	0.103	3	1	1	2
PL.12019	PL.12018	C	#2 ACSR	7.44Y	124.0	0.00	0.98	0.35	0	3	1	95	0.00	0.0	3.654	0.064	0	0	0	1
PL.12020	PL.12019	C	#2 ACSR	7.44Y	124.0	0.00	0.98	0.35	0	3	1	95	0.00	0.0	3.692	0.037	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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.11847	PL.11845	ABC	#1/0 ACSR	7.44Y	124.0	0.02	0.98	7.21	3	155	42	97	0.02	0.0	3.163	0.137	0	0	0	80
PL.11848	PL.11847	ABC	#1/0 ACSR	7.44Y	124.0	0.01	0.99	7.17	3	154	42	96	0.01	0.0	3.217	0.054	0	0	0	79
PL.11849	PL.11848	ABC	#1/0 ACSR	7.44Y	124.0	0.01	1.00	7.17	3	154	42	96	0.02	0.0	3.328	0.111	0	0	0	79
PL.12108	PL.11849	C	#2 ACSR	7.44Y	124.0	0.00	1.00	0.25	0	2	0	100	0.00	0.0	3.333	0.004	0	0	0	1
PD.2083	PL.12108	C	20T	7.44Y	124.0	0.00	1.00	0.25	0	2	0	100	0.00	0.0	3.333	0.004	0	0	0	1
PL.12109	PD.2083	C	#2 ACSR	7.44Y	124.0	0.00	1.00	0.25	0	2	0	100	0.00	0.0	3.353	0.021	2	0	1	1
PL.11850	PL.11849	ABC	#1/0 ACSR	7.44Y	124.0	0.01	1.01	7.08	3	153	41	97	0.01	0.0	3.394	0.066	0	0	0	78
PL.11851	PL.11850	ABC	#1/0 ACSR	7.44Y	124.0	0.01	1.02	7.08	3	153	41	97	0.01	0.0	3.483	0.089	0	0	1	78
PL.11852	PL.11851	ABC	#1/0 ACSR	7.44Y	124.0	0.01	1.03	7.07	3	152	41	97	0.01	0.0	3.571	0.087	0	0	0	77
PL.12102	PL.11852	B	#2 ACSR	7.44Y	124.0	0.00	1.03	0.00	0	0	0	100	0.00	0.0	3.575	0.005	0	0	0	1
PD.2079	PL.12102	B	T	7.44Y	124.0	0.00	1.03	0.00	0	0	0	100	0.00	0.0	3.575	0.005	0	0	0	1
PL.12103	PD.2079	B	#2 ACSR	7.44Y	124.0	0.00	1.03	0.00	0	0	0	100	0.00	0.0	3.614	0.039	0	0	1	1
PL.11853	PL.11852	ABC	#1/0 ACSR	7.44Y	124.0	0.00	1.04	7.07	3	152	41	97	0.00	0.0	3.584	0.013	0	0	0	76
PL.11854	PL.11853	ABC	#1/0 ACSR	7.44Y	124.0	0.01	1.04	7.07	3	152	41	97	0.01	0.0	3.653	0.069	0	0	0	76
PL.11855	PL.11854	ABC	#1/0 ACSR	7.44Y	124.0	0.01	1.05	4.18	2	90	24	97	0.00	0.0	3.725	0.072	3	1	1	36
PL.11856	PL.11855	ABC	#1/0 ACSR	7.44Y	123.9	0.01	1.05	4.06	2	87	24	96	0.00	0.0	3.797	0.073	4	1	2	35
PL.12100	PL.11856	A	#2 ACSR	7.44Y	123.9	0.00	1.05	0.00	0	0	0	100	0.00	0.0	3.802	0.005	0	0	0	0
PD.2078	PL.12100	A	20T	7.44Y	123.9	0.00	1.05	0.00	0	0	0	100	0.00	0.0	3.802	0.005	0	0	0	0
PL.12101	PD.2078	A	#2 ACSR	7.44Y	123.9	0.00	1.05	0.00	0	0	0	100	0.00	0.0	3.850	0.048	0	0	0	0
PL.11857	PL.11856	ABC	#1/0 ACSR	7.44Y	123.9	0.00	1.06	3.87	2	83	23	96	0.00	0.0	3.863	0.066	0	0	0	33
PL.11858	PL.11857	ABC	#1/0 ACSR	7.44Y	123.9	0.01	1.07	3.87	2	83	23	96	0.00	0.0	3.952	0.089	1	0	1	33
PL.11859	PL.11858	ABC	#2 ACSR	7.44Y	123.9	0.00	1.07	3.80	2	82	22	97	0.00	0.0	3.980	0.027	0	0	0	32
PL.11860	PL.11859	ABC	#2 ACSR	7.44Y	123.9	0.01	1.07	3.80	2	82	22	97	0.00	0.0	4.043	0.064	0	0	1	32
PL.11861	PL.11860	ABC	#1/0 ACSR	7.44Y	123.9	0.00	1.08	3.80	2	82	22	97	0.00	0.0	4.110	0.067	0	0	2	31
PL.11862	PL.11861	ABC	#1/0 ACSR	7.44Y	123.9	0.00	1.08	3.80	2	82	22	97	0.00	0.0	4.148	0.038	0	0	0	29
PL.11863	PL.11862	ABC	#1/0 ACSR	7.44Y	123.9	0.00	1.08	3.80	2	82	22	97	0.00	0.0	4.166	0.018	0	0	0	29
PL.11864	PL.11863	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.09	3.80	2	82	22	97	0.00	0.0	4.219	0.054	0	0	0	29
PL.11865	PL.11864	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.09	3.80	2	82	22	97	0.00	0.0	4.285	0.066	1	0	2	29
PL.11866	PL.11865	ABC	#1/0 ACSR	7.43Y	123.9	0.01	1.10	3.74	2	81	22	97	0.00	0.0	4.369	0.084	0	0	0	27
PL.11867	PL.11866	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.10	3.74	2	81	22	97	0.00	0.0	4.426	0.057	0	0	0	27
PL.11868	PL.11867	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.10	3.74	2	81	22	97	0.00	0.0	4.475	0.049	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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.11869	PL.11868	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.11	3.74	2	81	22	97	0.00	0.0	4.537	0.062	17	4	5	27
PL.12112	PL.11869	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.11	2.97	1	64	17	97	0.00	0.0	4.542	0.004	0	0	0	22
PL.12113	PL.12112	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.11	2.97	1	64	17	97	0.00	0.0	4.574	0.032	0	0	2	22
PL.11871	PL.12113	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.11	2.97	1	64	17	97	0.00	0.0	4.659	0.085	0	0	0	20
PL.11873	PL.11871	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.12	2.81	1	60	16	97	0.00	0.0	4.687	0.028	5	1	2	17
PL.11874	PL.11873	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.12	2.58	1	55	15	96	0.00	0.0	4.767	0.080	0	0	0	15
PL.11875	PL.11874	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.12	2.58	1	55	15	96	0.00	0.0	4.853	0.086	0	0	0	15
PL.11876	PL.11875	C	#4 ACSR	7.43Y	123.9	0.00	1.13	2.71	2	19	5	97	0.00	0.0	4.887	0.034	19	5	1	1
PL.12051	PL.11875	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.12	1.67	1	36	10	96	0.00	0.0	4.892	0.039	0	0	0	14
PL.11877	PL.12051	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.13	1.47	1	32	9	96	0.00	0.0	4.968	0.077	0	0	0	13
PL.11878	PL.11877	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.13	1.47	1	32	9	96	0.00	0.0	5.030	0.062	1	0	1	13
PL.11879	PL.11878	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.13	1.45	1	31	8	97	0.00	0.0	5.142	0.111	0	0	0	12
PL.11880	PL.11879	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.13	1.45	1	31	8	97	0.00	0.0	5.216	0.074	4	1	1	12
PL.11881	PL.11880	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.13	1.27	1	27	7	97	0.00	0.0	5.280	0.064	4	1	1	11
PL.11882	PL.11881	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.13	1.07	0	23	6	97	0.00	0.0	5.300	0.020	7	2	1	10
PL.11883	PL.11882	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.13	0.66	0	14	4	96	0.00	0.0	5.329	0.029	0	0	0	8
PL.11884	PL.11883	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.14	0.66	0	14	4	96	0.00	0.0	5.396	0.068	0	0	1	8
PL.11885	PL.11884	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.14	0.65	0	14	4	96	0.00	0.0	5.484	0.088	4	1	1	7
PL.11886	PL.11885	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.14	0.48	0	10	3	96	0.00	0.0	5.533	0.048	1	0	1	6
PL.11887	PL.11886	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.14	0.43	0	9	2	98	0.00	0.0	5.712	0.179	4	1	2	5
PL.11888	PL.11887	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.14	0.22	0	5	1	98	0.00	0.0	5.831	0.119	0	0	0	3
PL.11889	PL.11888	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.14	0.22	0	5	1	98	0.00	0.0	5.960	0.129	0	0	0	3
PL.11890	PL.11889	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.14	0.22	0	5	1	98	0.00	0.0	6.050	0.090	0	0	0	3
PL.11891	PL.11890	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.14	0.22	0	5	1	98	0.00	0.0	6.133	0.084	0	0	0	3
PL.11892	PL.11891	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.14	0.22	0	5	1	98	0.00	0.0	6.222	0.089	0	0	0	3
PL.11893	PL.11892	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.14	0.22	0	5	1	98	0.00	0.0	6.330	0.108	0	0	0	3
PL.11894	PL.11893	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.14	0.22	0	5	1	98	0.00	0.0	6.426	0.096	0	0	0	3
PL.12061	PL.11894	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.14	0.22	0	5	1	98	0.00	0.0	6.537	0.111	0	0	0	3
PL.11895	PL.12061	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.14	0.22	0	5	1	98	0.00	0.0	6.598	0.061	0	0	0	3
PL.11896	PL.11895	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.14	0.22	0	5	1	98	0.00	0.0	6.698	0.100	0	0	0	3
PL.12120	PL.11896	C	#2 ACSR	7.43Y	123.9	0.00	1.14	0.00	0	0	0	100	0.00	0.0	6.703	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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.2088	PL.12120	C	20T	7.43Y	123.9	0.00	1.14	0.00	0	0	0	100	0.00	0.0	6.703	0.005	0	0	0	1
PL.12121	PD.2088	C	#2 ACSR	7.43Y	123.9	0.00	1.14	0.00	0	0	0	100	0.00	0.0	6.756	0.053	0	0	1	1
PL.11897	PL.11896	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.14	0.22	0	5	1	98	0.00	0.0	6.753	0.055	0	0	0	2
PL.11898	PL.11897	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.14	0.22	0	5	1	98	0.00	0.0	6.851	0.099	0	0	1	2
PL.11899	PL.11898	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.14	0.22	0	5	1	98	0.00	0.0	6.935	0.084	0	0	0	1
PL.11901	PL.11899	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.14	0.22	0	5	1	98	0.00	0.0	7.022	0.087	5	1	1	1
PL.11903	PL.11901	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.14	0.00	0	0	0	100	0.00	0.0	7.134	0.112	0	0	0	0
PL.11904	PL.11903	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.14	0.00	0	0	0	100	0.00	0.0	7.215	0.080	0	0	0	0
PL.11905	PL.11904	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.14	0.00	0	0	0	100	0.00	0.0	7.340	0.126	0	0	0	0
PL.11906	PL.11905	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.14	0.00	0	0	0	100	0.00	0.0	7.419	0.078	0	0	0	0
PL.12126	PL.11906	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.14	0.00	0	0	0	100	0.00	0.0	7.455	0.036	0	0	0	0
PD.2091-A	PL.12126	ABC	Open	7.43Y	123.9	0.00	1.14	0.00	0	0	0	100	0.00	0.0	7.455	0.036	0	0	0	0
PL.11900	PL.11899	A	#2 ACSR	7.43Y	123.9	0.00	1.14	0.00	0	0	0	100	0.00	0.0	6.989	0.054	0	0	0	0
PL.12118	PL.11882	C	#2 ACSR	7.43Y	123.9	0.00	1.13	0.31	0	2	1	89	0.00	0.0	5.305	0.005	0	0	0	1
PD.2087	PL.12118	C	20T	7.43Y	123.9	0.00	1.13	0.31	0	2	1	89	0.00	0.0	5.305	0.005	0	0	0	1
PL.12119	PD.2087	C	#2 ACSR	7.43Y	123.9	0.00	1.13	0.31	0	2	1	89	0.00	0.0	5.364	0.059	2	1	1	1
PL.12116	PL.12051	C	6 A (CWC)	7.43Y	123.9	0.00	1.12	0.60	0	4	1	97	0.00	0.0	4.896	0.005	0	0	0	1
PD.2086	PL.12116	C	20T	7.43Y	123.9	0.00	1.12	0.60	0	4	1	97	0.00	0.0	4.896	0.005	0	0	0	1
PL.12117	PD.2086	C	6 A (CWC)	7.43Y	123.9	0.00	1.12	0.60	0	4	1	97	0.00	0.0	4.920	0.024	0	0	0	1
PL.11934	PL.12117	C	6 A (CWC)	7.43Y	123.9	0.00	1.13	0.60	0	4	1	97	0.00	0.0	5.000	0.080	0	0	0	1
PL.11935	PL.11934	C	6 A (CWC)	7.43Y	123.9	0.00	1.13	0.60	0	4	1	97	0.00	0.0	5.101	0.101	4	1	1	1
PL.12114	PL.11871	B	#2 ACSR	7.43Y	123.9	0.00	1.11	0.48	0	3	1	95	0.00	0.0	4.663	0.005	0	0	0	3
PD.2085	PL.12114	B	20T	7.43Y	123.9	0.00	1.11	0.48	0	3	1	95	0.00	0.0	4.663	0.005	0	0	0	3
PL.12115	PD.2085	B	#2 ACSR	7.43Y	123.9	0.00	1.11	0.48	0	3	1	95	0.00	0.0	4.669	0.006	3	1	3	3
PL.12110	PL.11869	A	#2 ACSR	7.43Y	123.9	0.00	1.11	0.00	0	0	0	100	0.00	0.0	4.542	0.004	0	0	0	0
PD.2084	PL.12110	A	20T	7.43Y	123.9	0.00	1.11	0.00	0	0	0	100	0.00	0.0	4.542	0.004	0	0	0	0
PL.12111	PD.2084	A	#2 ACSR	7.43Y	123.9	0.00	1.11	0.00	0	0	0	100	0.00	0.0	4.557	0.015	0	0	0	0
PL.11870	PL.12111	A	#2 ACSR	7.43Y	123.9	0.00	1.11	0.00	0	0	0	100	0.00	0.0	4.628	0.071	0	0	0	0
PL.11872	PL.11870	A	#2 ACSR	7.43Y	123.9	0.00	1.11	0.00	0	0	0	100	0.00	0.0	4.676	0.048	0	0	0	0
PL.11936	PL.11872	A	#2 ACSR	7.43Y	123.9	0.00	1.11	0.00	0	0	0	100	0.00	0.0	4.809	0.133	0	0	0	0
PL.12136	PL.11854	C	6 A (CWC)	7.44Y	124.0	0.00	1.05	8.66	6	62	17	96	0.00	0.0	3.655	0.003	0	0	0	40

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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.2096	PL.12136	C	35L	7.44Y	124.0	0.00	1.05	8.66	25	62	17	96	0.00	0.0	3.655	0.003	0	0	0	40
PL.12137	PD.2096	C	6 A (CWC)	7.44Y	123.9	0.01	1.06	8.66	6	62	17	96	0.01	0.0	3.692	0.036	0	0	0	40
PL.11913	PL.12137	C	6 A (CWC)	7.43Y	123.9	0.05	1.11	8.66	6	62	17	96	0.02	0.0	3.824	0.132	4	1	5	40
PL.11914	PL.11913	C	6 A (CWC)	7.43Y	123.9	0.02	1.13	8.12	6	58	16	96	0.01	0.0	3.883	0.059	2	1	1	35
PL.11915	PL.11914	C	6 A (CWC)	7.43Y	123.8	0.03	1.16	7.83	6	56	15	97	0.01	0.0	3.973	0.090	0	0	0	34
PL.11916	PL.11915	C	6 A (CWC)	7.43Y	123.8	0.02	1.18	7.83	6	56	15	97	0.01	0.0	4.030	0.057	0	0	0	34
PL.11917	PL.11916	C	6 A (CWC)	7.43Y	123.8	0.02	1.21	7.83	6	56	15	97	0.01	0.0	4.091	0.061	0	0	0	34
PL.11918	PL.11917	C	6 A (CWC)	7.43Y	123.8	0.03	1.24	7.83	6	56	15	97	0.01	0.0	4.183	0.093	1	0	1	34
PL.11919	PL.11918	C	6 A (CWC)	7.42Y	123.7	0.03	1.26	7.66	5	55	15	96	0.01	0.0	4.256	0.073	0	0	0	33
PL.11920	PL.11919	C	6 A (CWC)	7.42Y	123.7	0.02	1.29	7.66	5	55	15	96	0.01	0.0	4.327	0.071	16	4	2	33
PL.11921	PL.11920	C	6 A (CWC)	7.42Y	123.7	0.02	1.31	5.50	4	39	11	96	0.01	0.0	4.404	0.077	0	0	0	31
PL.11922	PL.11921	C	6 A (CWC)	7.42Y	123.7	0.02	1.32	5.50	4	39	11	96	0.01	0.0	4.485	0.081	8	2	1	31
PL.11923	PL.11922	C	6 A (CWC)	7.42Y	123.7	0.01	1.33	4.45	3	32	9	96	0.00	0.0	4.539	0.055	0	0	0	30
PL.11924	PL.11923	C	6 A (CWC)	7.42Y	123.7	0.01	1.34	4.45	3	32	9	96	0.00	0.0	4.585	0.046	2	0	1	30
PL.11925	PL.11924	C	6 A (CWC)	7.42Y	123.6	0.01	1.36	4.21	3	30	8	97	0.00	0.0	4.660	0.075	1	0	1	29
PL.11926	PL.11925	C	6 A (CWC)	7.42Y	123.6	0.02	1.38	4.09	3	29	8	96	0.01	0.0	4.784	0.123	0	0	0	28
PL.11927	PL.11926	C	6 A (CWC)	7.42Y	123.6	0.02	1.40	4.09	3	29	8	96	0.00	0.0	4.874	0.090	0	0	0	28
PL.11928	PL.11927	C	#2 ACSR	7.42Y	123.6	0.00	1.40	0.65	0	5	1	98	0.00	0.0	4.984	0.111	4	1	2	3
PL.11941	PL.11928	C	#2 ACSR	7.42Y	123.6	0.00	1.40	0.13	0	1	0	100	0.00	0.0	5.056	0.072	1	0	1	1
PL.11929	PL.11927	C	#2 ACSR	7.42Y	123.6	0.00	1.40	0.35	0	3	1	95	0.00	0.0	4.915	0.041	0	0	0	2
PL.11932	PL.11929	C	#2 ACSR	7.42Y	123.6	0.00	1.40	0.15	0	1	0	100	0.00	0.0	5.000	0.086	0	0	0	1
PL.11933	PL.11932	C	#2 ACSR	7.42Y	123.6	0.00	1.40	0.15	0	1	0	100	0.00	0.0	5.100	0.099	1	0	1	1
PL.11931	PL.11929	C	#2 ACSR	7.42Y	123.6	0.00	1.40	0.20	0	1	0	100	0.00	0.0	4.975	0.060	1	0	1	1
PL.11930	PL.11927	C	6 A (CWC)	7.42Y	123.6	0.01	1.41	3.08	2	22	6	96	0.00	0.0	4.948	0.075	0	0	0	23
PL.11937	PL.11930	C	6 A (CWC)	7.41Y	123.6	0.01	1.42	3.08	2	22	6	96	0.00	0.0	5.034	0.086	1	0	1	23
PL.11938	PL.11937	C	6 A (CWC)	7.41Y	123.6	0.01	1.43	3.01	2	22	6	96	0.00	0.0	5.114	0.080	2	1	2	22
PL.11939	PL.11938	C	6 A (CWC)	7.41Y	123.6	0.00	1.43	0.78	1	6	2	95	0.00	0.0	5.228	0.114	0	0	0	6
PL.11942	PL.11939	C	6 A (CWC)	7.41Y	123.6	0.00	1.44	0.78	1	6	2	95	0.00	0.0	5.312	0.084	0	0	0	6
PL.11945	PL.11942	C	6 A (CWC)	7.41Y	123.6	0.00	1.44	0.78	1	6	2	95	0.00	0.0	5.392	0.081	0	0	0	6
PL.11947	PL.11945	C	6 A (CWC)	7.41Y	123.6	0.00	1.44	0.10	0	1	0	100	0.00	0.0	5.543	0.150	0	0	0	1
PL.11955	PL.11947	C	6 A (CWC)	7.41Y	123.6	0.00	1.44	0.10	0	1	0	100	0.00	0.0	5.589	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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.11956	PL.11955	C	6 A (CWC)	7.41Y	123.6	0.00	1.44	0.10	0	1	0	100	0.00	0.0	5.652	0.063	1	0	1	1
PL.11946	PL.11945	C	6 A (CWC)	7.41Y	123.6	0.00	1.44	0.68	0	5	1	98	0.00	0.0	5.446	0.054	0	0	0	5
PL.11949	PL.11946	C	6 A (CWC)	7.41Y	123.6	0.00	1.44	0.62	0	4	1	97	0.00	0.0	5.499	0.053	4	1	2	3
PL.11952	PL.11949	C	#1/0 ACSR	7.41Y	123.6	0.00	1.44	0.09	0	1	0	100	0.00	0.0	5.561	0.061	1	0	1	1
PL.11948	PL.11946	C	6 A (CWC)	7.41Y	123.6	0.00	1.44	0.06	0	0	0	100	0.00	0.0	5.575	0.129	0	0	0	2
PL.11950	PL.11948	C	#2 ACSR	7.41Y	123.6	0.00	1.44	0.06	0	0	0	100	0.00	0.0	5.640	0.066	0	0	1	2
PL.11951	PL.11950	C	#2 ACSR	7.41Y	123.6	0.00	1.44	0.05	0	0	0	100	0.00	0.0	5.715	0.075	0	0	1	1
PL.11953	PL.11948	C	#2 ACSR	7.41Y	123.6	0.00	1.44	0.00	0	0	0	100	0.00	0.0	5.584	0.009	0	0	0	0
PL.11954	PL.11953	C	#2 ACSR	7.41Y	123.6	0.00	1.44	0.00	0	0	0	100	0.00	0.0	5.640	0.056	0	0	0	0
PL.12104	PL.11938	C	6 A (CWC)	7.41Y	123.6	0.00	1.43	1.96	1	14	4	96	0.00	0.0	5.119	0.005	0	0	0	14
PD.2080	PL.12104	C	15T	7.41Y	123.6	0.00	1.43	1.96	0	14	4	96	0.00	0.0	5.119	0.005	0	0	0	14
PL.12105	PD.2080	C	6 A (CWC)	7.41Y	123.6	0.00	1.43	1.96	1	14	4	96	0.00	0.0	5.140	0.021	0	0	0	14
PL.11940	PL.12105	C	6 A (CWC)	7.41Y	123.6	0.02	1.45	1.96	1	14	4	96	0.00	0.0	5.326	0.186	0	0	0	14
PL.11957	PL.11940	C	6 A (CWC)	7.41Y	123.5	0.01	1.46	1.96	1	14	4	96	0.00	0.0	5.398	0.072	0	0	0	14
PL.11958	PL.11957	C	6 A (CWC)	7.41Y	123.5	0.01	1.46	1.96	1	14	4	96	0.00	0.0	5.467	0.069	0	0	0	14
PL.11959	PL.11958	C	6 A (CWC)	7.41Y	123.5	0.01	1.47	1.96	1	14	4	96	0.00	0.0	5.524	0.057	0	0	1	14
PL.11960	PL.11959	C	6 A (CWC)	7.41Y	123.5	0.00	1.47	1.96	1	14	4	96	0.00	0.0	5.551	0.027	0	0	0	13
PL.12072	PL.11960	C	6 A (CWC)	7.41Y	123.5	0.00	1.47	1.96	1	14	4	96	0.00	0.0	5.573	0.022	1	0	1	13
PL.12073	PL.12072	C	6 A (CWC)	7.41Y	123.5	0.00	1.48	1.79	1	13	3	97	0.00	0.0	5.613	0.040	1	0	1	12
PL.11962	PL.12073	C	6 A (CWC)	7.41Y	123.5	0.01	1.48	1.69	1	12	3	97	0.00	0.0	5.702	0.089	1	0	1	11
PL.11963	PL.11962	C	6 A (CWC)	7.41Y	123.5	0.00	1.48	1.56	1	11	3	96	0.00	0.0	5.741	0.039	0	0	0	10
PL.11964	PL.11963	C	6 A (CWC)	7.41Y	123.5	0.00	1.49	1.56	1	11	3	96	0.00	0.0	5.800	0.059	0	0	0	10
PL.11965	PL.11964	C	6 A (CWC)	7.41Y	123.5	0.00	1.49	0.75	1	5	1	98	0.00	0.0	5.857	0.057	2	1	1	2
PL.11967	PL.11965	C	6 A (CWC)	7.41Y	123.5	0.00	1.49	0.46	0	3	1	95	0.00	0.0	5.914	0.057	0	0	0	1
PL.11961	PL.11967	C	#2 ACSR	7.41Y	123.5	0.00	1.49	0.46	0	3	1	95	0.00	0.0	6.006	0.091	3	1	1	1
PL.11966	PL.11964	C	6 A (CWC)	7.41Y	123.5	0.00	1.49	0.82	1	6	2	95	0.00	0.0	5.900	0.101	0	0	0	8
PL.11968	PL.11966	C	6 A (CWC)	7.41Y	123.5	0.00	1.50	0.82	1	6	2	95	0.00	0.0	6.015	0.115	0	0	0	8
PL.11969	PL.11968	C	6 A (CWC)	7.41Y	123.5	0.00	1.50	0.82	1	6	2	95	0.00	0.0	6.120	0.105	0	0	0	8
PL.11970	PL.11969	C	6 A (CWC)	7.41Y	123.5	0.01	1.51	0.82	1	6	2	95	0.00	0.0	6.260	0.140	0	0	0	8
PL.11971	PL.11970	C	#1/0 ACSR	7.41Y	123.5	0.00	1.51	0.25	0	2	0	100	0.00	0.0	6.320	0.060	0	0	0	2
PL.11996	PL.11971	C	#1/0 ACSR	7.41Y	123.5	0.00	1.51	0.25	0	2	0	100	0.00	0.0	6.495	0.174	2	0	2	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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru

PL.11972	PL.11970	C	6 A (CWC)	7.41Y	123.5	0.00	1.51	0.57	0	4	1	97	0.00	0.0	6.397	0.137	0	0	0	6
PL.11973	PL.11972	C	6 A (CWC)	7.41Y	123.5	0.00	1.51	0.57	0	4	1	97	0.00	0.0	6.493	0.096	0	0	0	6
PL.11974	PL.11973	C	6 A (CWC)	7.41Y	123.5	0.00	1.51	0.57	0	4	1	97	0.00	0.0	6.573	0.080	0	0	0	5
PL.11975	PL.11974	C	6 A (CWC)	7.41Y	123.5	0.00	1.52	0.57	0	4	1	97	0.00	0.0	6.717	0.143	0	0	0	5
PL.12053	PL.11975	C	6 A (CWC)	7.41Y	123.5	0.00	1.52	0.57	0	4	1	97	0.00	0.0	6.879	0.162	0	0	0	5
PL.12058	PL.12053	C	6 A (CWC)	7.41Y	123.5	0.00	1.53	0.57	0	4	1	97	0.00	0.0	7.046	0.167	0	0	0	5
PL.11995	PL.12058	C	6 A (CWC)	7.41Y	123.5	0.00	1.53	0.57	0	4	1	97	0.00	0.0	7.175	0.129	0	0	0	5
PL.12059	PL.11995	C	6 A (CWC)	7.41Y	123.5	0.00	1.53	0.57	0	4	1	97	0.00	0.0	7.280	0.106	0	0	0	5
PL.11976	PL.12059	C	6 A (CWC)	7.41Y	123.5	0.00	1.53	0.40	0	3	1	95	0.00	0.0	7.415	0.135	0	0	0	3
PL.11977	PL.11976	C	#2 ACSR	7.41Y	123.5	0.00	1.53	0.00	0	0	0	100	0.00	0.0	7.458	0.043	0	0	1	1
PL.11978	PL.11976	C	6 A (CWC)	7.41Y	123.5	0.00	1.54	0.40	0	3	1	95	0.00	0.0	7.534	0.118	0	0	0	2
PL.11985	PL.11978	C	6 A (CWC)	7.41Y	123.5	0.00	1.54	0.32	0	2	1	89	0.00	0.0	7.608	0.074	2	1	1	1
PL.11984	PL.11978	C	6 A (CWC)	7.41Y	123.5	0.00	1.54	0.08	0	1	0	100	0.00	0.0	7.659	0.126	0	0	0	1
PL.11981	PL.11984	C	#2 ACSR	7.41Y	123.5	0.00	1.54	0.00	0	0	0	100	0.00	0.0	7.716	0.057	0	0	0	0
PL.11980	PL.11981	C	#2 ACSR	7.41Y	123.5	0.00	1.54	0.00	0	0	0	100	0.00	0.0	7.785	0.069	0	0	0	0
PL.11979	PL.11980	C	#2 ACSR	7.41Y	123.5	0.00	1.54	0.00	0	0	0	100	0.00	0.0	7.866	0.080	0	0	0	0
PL.11982	PL.11984	C	#2 ACSR	7.41Y	123.5	0.00	1.54	0.08	0	1	0	100	0.00	0.0	7.719	0.060	0	0	0	1
PL.11983	PL.11982	C	#2 ACSR	7.41Y	123.5	0.00	1.54	0.08	0	1	0	100	0.00	0.0	7.789	0.070	1	0	1	1
PL.11993	PL.12059	C	6 A (CWC)	7.41Y	123.5	0.00	1.53	0.17	0	1	0	100	0.00	0.0	7.352	0.072	0	0	0	2
PL.11994	PL.11993	C	6 A (CWC)	7.41Y	123.5	0.00	1.53	0.17	0	1	0	100	0.00	0.0	7.457	0.105	0	0	0	2
PL.11986	PL.11994	C	6 A (CWC)	7.41Y	123.5	0.00	1.53	0.17	0	1	0	100	0.00	0.0	7.580	0.123	0	0	0	2
PL.12060	PL.11986	C	6 A (CWC)	7.41Y	123.5	0.00	1.54	0.17	0	1	0	100	0.00	0.0	7.668	0.088	0	0	0	2
PL.11987	PL.12060	C	6 A (CWC)	7.41Y	123.5	0.00	1.54	0.17	0	1	0	100	0.00	0.0	7.766	0.099	0	0	0	2
PL.11988	PL.11987	C	6 A (CWC)	7.41Y	123.5	0.00	1.54	0.17	0	1	0	100	0.00	0.0	7.897	0.131	1	0	1	2
PL.11989	PL.11988	C	6 A (CWC)	7.41Y	123.5	0.00	1.54	0.00	0	0	0	100	0.00	0.0	7.962	0.065	0	0	0	1
PL.11991	PL.11989	C	6 A (CWC)	7.41Y	123.5	0.00	1.54	0.00	0	0	0	100	0.00	0.0	8.079	0.116	0	0	0	0
PL.11992	PL.11991	C	6 A (CWC)	7.41Y	123.5	0.00	1.54	0.00	0	0	0	100	0.00	0.0	8.133	0.054	0	0	0	0
PL.11990	PL.11989	C	#1/0 ACSR	7.41Y	123.5	0.00	1.54	0.00	0	0	0	100	0.00	0.0	7.995	0.032	0	0	1	1
PL.12050	PL.11973	C	6 A (CWC)	7.41Y	123.5	0.00	1.51	0.00	0	0	0	100	0.00	0.0	6.541	0.047	0	0	1	1
PL.12082	PL.11847	C	#1/0 ACSR	7.44Y	124.0	0.00	0.98	0.12	0	1	0	100	0.00	0.0	3.168	0.005	0	0	0	1
PD.2069	PL.12082	C	20T	7.44Y	124.0	0.00	0.98	0.12	0	1	0	100	0.00	0.0	3.168	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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.12083	PD.2069	C	#1/0 ACSR	7.44Y	124.0	0.00	0.98	0.12	0	1	0	100	0.00	0.0	3.205	0.037	1	0	1	1
PL.11834	PL.11832	A	6 A (CWC)	7.44Y	124.1	0.01	0.93	2.17	2	16	4	97	0.00	0.0	2.770	0.070	0	0	0	18
PL.11835	PL.11834	A	6 A (CWC)	7.44Y	124.1	0.00	0.93	2.17	2	16	4	97	0.00	0.0	2.801	0.031	0	0	0	18
PL.12128	PL.11835	A	6 A (CWC)	7.44Y	124.1	0.00	0.93	2.17	2	16	4	97	0.00	0.0	2.837	0.037	0	0	0	18
PD.2092	PL.12128	A	35L	7.44Y	124.1	0.00	0.93	2.17	6	16	4	97	0.00	0.0	2.837	0.037	0	0	0	18
PL.12129	PD.2092	A	6 A (CWC)	7.44Y	124.1	0.00	0.93	2.17	2	16	4	97	0.00	0.0	2.850	0.012	0	0	0	18
PL.11836	PL.12129	A	6 A (CWC)	7.44Y	124.1	0.01	0.94	2.17	2	16	4	97	0.00	0.0	2.943	0.094	1	0	1	18
PL.12025	PL.11836	A	6 A (CWC)	7.44Y	124.1	0.00	0.94	0.26	0	2	1	89	0.00	0.0	3.005	0.062	2	1	2	2
PL.12026	PL.11836	A	6 A (CWC)	7.44Y	124.1	0.01	0.95	1.77	1	13	3	97	0.00	0.0	3.011	0.068	0	0	0	15
PL.12027	PL.12026	A	6 A (CWC)	7.44Y	124.0	0.01	0.96	1.77	1	13	3	97	0.00	0.0	3.196	0.185	0	0	0	15
PL.12028	PL.12027	A	6 A (CWC)	7.44Y	124.0	0.01	0.97	1.46	1	10	3	96	0.00	0.0	3.334	0.137	0	0	0	13
PL.12055	PL.12028	A	6 A (CWC)	7.44Y	124.0	0.00	0.98	1.46	1	10	3	96	0.00	0.0	3.403	0.070	2	1	1	13
PL.12030	PL.12055	A	6 A (CWC)	7.44Y	124.0	0.00	0.98	1.17	1	8	2	97	0.00	0.0	3.448	0.045	0	0	0	12
PL.12031	PL.12030	A	6 A (CWC)	7.44Y	124.0	0.01	0.99	1.17	1	8	2	97	0.00	0.0	3.574	0.126	0	0	0	12
PL.12033	PL.12031	A	6 A (CWC)	7.44Y	124.0	0.01	0.99	1.00	1	7	2	96	0.00	0.0	3.716	0.142	0	0	0	11
PL.12034	PL.12033	A	6 A (CWC)	7.44Y	124.0	0.01	1.00	1.00	1	7	2	96	0.00	0.0	3.862	0.146	0	0	0	11
PL.12074	PL.12034	A	6 A (CWC)	7.44Y	124.0	0.00	1.00	1.00	1	7	2	96	0.00	0.0	3.949	0.086	0	0	0	11
PL.12075	PL.12074	A	6 A (CWC)	7.44Y	124.0	0.01	1.01	1.00	1	7	2	96	0.00	0.0	4.112	0.163	0	0	0	11
PL.12035	PL.12075	A	6 A (CWC)	7.44Y	124.0	0.00	1.01	1.00	1	7	2	96	0.00	0.0	4.191	0.079	0	0	0	11
PL.12036	PL.12035	A	6 A (CWC)	7.44Y	124.0	0.01	1.02	1.00	1	7	2	96	0.00	0.0	4.377	0.186	0	0	0	11
PL.12056	PL.12036	A	6 A (CWC)	7.44Y	124.0	0.01	1.03	1.00	1	7	2	96	0.00	0.0	4.496	0.119	0	0	0	11
PL.12057	PL.12056	A	6 A (CWC)	7.44Y	124.0	0.00	1.03	1.00	1	7	2	96	0.00	0.0	4.573	0.077	0	0	0	11
PL.12037	PL.12057	A	6 A (CWC)	7.44Y	124.0	0.00	1.03	1.00	1	7	2	96	0.00	0.0	4.638	0.065	0	0	0	11
PL.12038	PL.12037	A	6 A (CWC)	7.44Y	124.0	0.01	1.04	1.00	1	7	2	96	0.00	0.0	4.789	0.150	0	0	1	11
PL.12039	PL.12038	A	6 A (CWC)	7.44Y	124.0	0.00	1.04	1.00	1	7	2	96	0.00	0.0	4.841	0.053	2	1	1	10
PL.12040	PL.12039	A	6 A (CWC)	7.44Y	124.0	0.01	1.05	0.68	0	5	1	98	0.00	0.0	5.010	0.169	0	0	0	9
PL.12041	PL.12040	A	6 A (CWC)	7.44Y	123.9	0.00	1.05	0.68	0	5	1	98	0.00	0.0	5.150	0.140	0	0	0	9
PL.12049	PL.12041	A	6 A (CWC)	7.44Y	123.9	0.00	1.05	0.68	0	5	1	98	0.00	0.0	5.155	0.005	0	0	0	9
PD.2081	PL.12049	A	15T	7.44Y	123.9	0.00	1.05	0.68	0	5	1	98	0.00	0.0	5.155	0.005	0	0	0	9
PL.12062	PD.2081	A	6 A (CWC)	7.44Y	123.9	0.00	1.05	0.00	0	0	0	100	0.00	0.0	5.168	0.014	0	0	0	2
PL.12063	PL.12062	A	6 A (CWC)	7.44Y	123.9	0.00	1.05	0.00	0	0	0	100	0.00	0.0	5.169	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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.12042	PL.12063	A	6 A (CWC)	7.44Y	123.9	0.00	1.05	0.00	0	0	0	100	0.00	0.0	5.220	0.051	0	0	0	2
PL.12043	PL.12042	A	6 A (CWC)	7.44Y	123.9	0.00	1.05	0.00	0	0	0	100	0.00	0.0	5.326	0.106	0	0	0	2
PL.12044	PL.12043	A	6 A (CWC)	7.44Y	123.9	0.00	1.05	0.00	0	0	0	100	0.00	0.0	5.480	0.154	0	0	2	2
PL.12013	PD.2081	A	6 A (CWC)	7.44Y	123.9	0.00	1.06	0.68	0	5	1	98	0.00	0.0	5.235	0.080	0	0	1	7
PL.12012	PL.12013	A	6 A (CWC)	7.44Y	123.9	0.00	1.06	0.67	0	5	1	98	0.00	0.0	5.318	0.083	0	0	0	6
PL.12011	PL.12012	A	#2 ACSR	7.44Y	123.9	0.00	1.06	0.67	0	5	1	98	0.00	0.0	5.372	0.054	0	0	0	6
PL.12010	PL.12011	A	#2 ACSR	7.44Y	123.9	0.00	1.06	0.67	0	5	1	98	0.00	0.0	5.444	0.072	0	0	0	6
PL.12009	PL.12010	A	#2 ACSR	7.44Y	123.9	0.00	1.06	0.67	0	5	1	98	0.00	0.0	5.530	0.086	0	0	0	6
PL.12008	PL.12009	A	#2 ACSR	7.44Y	123.9	0.00	1.06	0.67	0	5	1	98	0.00	0.0	5.565	0.035	0	0	2	6
PL.12007	PL.12008	A	#2 ACSR	7.44Y	123.9	0.00	1.06	0.65	0	5	1	98	0.00	0.0	5.620	0.054	0	0	0	4
PL.12006	PL.12007	A	#2 ACSR	7.44Y	123.9	0.00	1.07	0.65	0	5	1	98	0.00	0.0	5.683	0.064	2	1	1	4
PL.12005	PL.12006	A	#2 ACSR	7.44Y	123.9	0.00	1.07	0.39	0	3	1	95	0.00	0.0	5.766	0.083	0	0	0	3
PL.12046	PL.12005	A	#2 ACSR	7.44Y	123.9	0.00	1.07	0.39	0	3	1	95	0.00	0.0	5.837	0.071	0	0	0	3
PL.12004	PL.12046	A	#2 ACSR	7.44Y	123.9	0.00	1.07	0.39	0	3	1	95	0.00	0.0	5.914	0.077	0	0	0	3
PL.12003	PL.12004	A	#2 ACSR	7.44Y	123.9	0.00	1.07	0.39	0	3	1	95	0.00	0.0	6.003	0.090	0	0	0	3
PL.12002	PL.12003	A	#2 ACSR	7.44Y	123.9	0.00	1.07	0.39	0	3	1	95	0.00	0.0	6.040	0.037	0	0	0	3
PL.12000	PL.12002	A	#2 ACSR	7.44Y	123.9	0.00	1.07	0.39	0	3	1	95	0.00	0.0	6.133	0.093	0	0	0	3
PL.12001	PL.12000	A	#1/0 ACSR	7.44Y	123.9	0.00	1.07	0.00	0	0	0	100	0.00	0.0	6.154	0.020	0	0	1	1
PL.11999	PL.12000	A	#2 ACSR	7.44Y	123.9	0.00	1.07	0.39	0	3	1	95	0.00	0.0	6.276	0.143	0	0	0	2
PL.11998	PL.11999	A	#2 ACSR	7.44Y	123.9	0.00	1.07	0.39	0	3	1	95	0.00	0.0	6.350	0.075	0	0	0	2
PL.11997	PL.11998	A	#2 ACSR	7.44Y	123.9	0.00	1.07	0.39	0	3	1	95	0.00	0.0	6.447	0.097	3	1	2	2
PL.12032	PL.12031	A	#2 ACSR	7.44Y	124.0	0.00	0.99	0.17	0	1	0	100	0.00	0.0	3.593	0.019	1	0	1	1
PL.12029	PL.12027	A	#2 ACSR	7.44Y	124.0	0.00	0.96	0.31	0	2	1	89	0.00	0.0	3.326	0.129	0	0	1	2
PL.12106	PL.12029	A	1/0 AL URD	7.44Y	124.0	0.00	0.96	0.26	0	2	1	89	0.00	0.0	3.330	0.004	0	0	0	1
PD.2082	PL.12106	A	15T	7.44Y	124.0	0.00	0.96	0.26	0	2	1	89	0.00	0.0	3.330	0.004	0	0	0	1
PL.12107	PD.2082	A	1/0 AL URD	7.44Y	124.0	0.00	0.96	0.26	0	2	1	89	0.00	0.0	3.433	0.103	2	1	1	1
PL.11827	PL.11826	A	#4 ACSR	7.45Y	124.1	0.00	0.86	0.33	0	2	1	89	0.00	0.0	2.389	0.074	2	1	1	3
PL.11910	PL.11827	A	#4 ACSR	7.45Y	124.1	0.00	0.86	0.05	0	0	0	100	0.00	0.0	2.402	0.012	0	0	0	2
PL.11911	PL.11910	A	#4 ACSR	7.45Y	124.1	0.00	0.86	0.05	0	0	0	100	0.00	0.0	2.432	0.030	0	0	2	2
PL.11828	PL.11826	C	#2 ACSR	7.45Y	124.1	0.00	0.86	0.35	0	2	1	89	0.00	0.0	2.374	0.059	2	1	1	1
PL.12122	PL.11824	C	#2 ACSR	7.45Y	124.2	0.00	0.84	0.54	0	4	1	97	0.00	0.0	2.221	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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.2089	PL.12122	C	20T	7.45Y	124.2	0.00	0.84	0.54	0	4	1	97	0.00	0.0	2.221	0.005	0	0	0	4
PL.12123	PD.2089	C	#2 ACSR	7.45Y	124.2	0.00	0.84	0.54	0	4	1	97	0.00	0.0	2.244	0.023	1	0	1	4
PL.12065	PL.12123	C	#2 ACSR	7.45Y	124.2	0.00	0.84	0.41	0	3	1	95	0.00	0.0	2.283	0.039	2	1	1	3
PL.12064	PL.12065	C	#2 ACSR	7.45Y	124.2	0.00	0.84	0.15	0	1	0	100	0.00	0.0	2.312	0.029	1	0	2	2
PL.11825	PL.11824	A	6 A (CWC)	7.45Y	124.2	0.00	0.84	0.29	0	2	1	89	0.00	0.0	2.248	0.032	2	1	1	1
PL.12134	PL.11667	B	6 A (CWC)	7.45Y	124.2	0.00	0.77	0.88	1	6	2	95	0.00	0.0	1.841	0.003	0	0	0	4
PD.2095	PL.12134	B	35L	7.45Y	124.2	0.00	0.77	0.88	3	6	2	95	0.00	0.0	1.841	0.003	0	0	0	4
PL.12135	PD.2095	B	6 A (CWC)	7.45Y	124.2	0.00	0.78	0.88	1	6	2	95	0.00	0.0	1.978	0.136	1	0	1	4
PL.12021	PL.12135	B	6 A (CWC)	7.45Y	124.2	0.01	0.78	0.69	0	5	1	98	0.00	0.0	2.140	0.162	0	0	0	3
PL.12022	PL.12021	B	6 A (CWC)	7.45Y	124.2	0.00	0.79	0.69	0	5	1	98	0.00	0.0	2.257	0.117	0	0	0	3
PL.12048	PL.12022	B	6 A (CWC)	7.45Y	124.2	0.00	0.79	0.00	0	0	0	100	0.00	0.0	2.392	0.135	0	0	0	0
PL.12023	PL.12048	B	6 A (CWC)	7.45Y	124.2	0.00	0.79	0.00	0	0	0	100	0.00	0.0	2.498	0.106	0	0	0	0
PL.11907	PL.12022	B	6 A (CWC)	7.45Y	124.2	0.00	0.79	0.69	0	5	1	98	0.00	0.0	2.395	0.139	4	1	1	3
PL.11908	PL.11907	B	6 A (CWC)	7.45Y	124.2	0.00	0.79	0.14	0	1	0	100	0.00	0.0	2.442	0.047	1	0	1	2
PL.11909	PL.11908	B	#2 ACSR	7.45Y	124.2	0.00	0.79	0.00	0	0	0	100	0.00	0.0	2.481	0.039	0	0	1	1
CP.21	PL.12140	ABC	Cap (300)	7.46Y	124.3	0.00	0.74	0.00	0	0	0	100	0.00	0.0	1.677	0.039	0	0	0	0
PL.11543	PL.11541	B	6 A (CWC)	7.46Y	124.4	0.07	0.61	23.08	16	166	45	97	0.09	0.1	1.192	0.068	0	0	0	74
PL.12132	PL.11543	B	6 A (CWC)	7.46Y	124.4	0.00	0.61	22.73	16	164	45	96	0.00	0.0	1.194	0.003	0	0	0	72
PD.2094	PL.12132	B	50L	7.46Y	124.4	0.00	0.61	22.73	45	164	45	96	0.00	0.0	1.194	0.003	0	0	0	72
PL.12133	PD.2094	B	6 A (CWC)	7.46Y	124.3	0.05	0.66	22.73	16	164	45	96	0.06	0.0	1.248	0.054	10	3	3	72
PL.11545	PL.12133	B	6 A (CWC)	7.45Y	124.2	0.10	0.76	21.33	15	154	42	96	0.11	0.1	1.349	0.101	6	2	1	69
PL.11549	PL.11545	B	#4 ACSR	7.45Y	124.2	0.00	0.76	0.39	0	3	1	95	0.00	0.0	1.411	0.062	3	1	2	2
PL.11548	PL.11545	B	6 A (CWC)	7.45Y	124.1	0.11	0.87	20.05	14	144	39	97	0.12	0.1	1.470	0.121	0	0	0	66
PL.11550	PL.11548	B	6 A (CWC)	7.45Y	124.1	0.00	0.87	0.00	0	0	0	100	0.00	0.0	1.534	0.064	0	0	0	0
PL.11551	PL.11548	B	6 A (CWC)	7.44Y	124.1	0.07	0.94	19.11	14	137	37	97	0.07	0.1	1.552	0.082	0	0	0	63
PL.11552	PL.11551	B	6 A (CWC)	7.44Y	124.0	0.04	0.99	19.11	14	137	37	97	0.04	0.0	1.602	0.050	2	1	1	63
PL.11553	PL.11552	B	6 A (CWC)	7.44Y	124.0	0.05	1.04	18.85	13	135	37	96	0.05	0.0	1.661	0.059	0	0	0	62
PL.11554	PL.11553	B	6 A (CWC)	7.43Y	123.9	0.05	1.09	18.85	13	135	37	96	0.05	0.0	1.717	0.056	0	0	0	62
PL.11557	PL.11554	B	6 A (CWC)	7.43Y	123.8	0.09	1.18	18.85	13	135	37	96	0.09	0.1	1.826	0.109	1	0	1	62
PL.11555	PL.11557	B	#2 ACSR	7.43Y	123.8	0.00	1.18	0.00	0	0	0	100	0.00	0.0	1.904	0.078	0	0	0	0
PL.11556	PL.11555	B	#2 ACSR	7.43Y	123.8	0.00	1.18	0.00	0	0	0	100	0.00	0.0	1.961	0.057	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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.11558	PL.11557	B	6 A (CWC)	7.43Y	123.8	0.02	1.20	18.47	13	132	36	96	0.02	0.0	1.852	0.026	0	0	0	60
PL.11562	PL.11558	B	6 A (CWC)	7.42Y	123.7	0.07	1.27	18.47	13	132	36	96	0.07	0.0	1.931	0.079	0	0	0	60
PL.11563	PL.11562	B	6 A (CWC)	7.42Y	123.7	0.00	1.27	0.79	1	6	2	95	0.00	0.0	1.982	0.051	3	1	2	4
PL.11564	PL.11563	B	6 A (CWC)	7.42Y	123.7	0.00	1.27	0.41	0	3	1	95	0.00	0.0	1.991	0.009	3	1	2	2
PL.11634	PL.11562	B	6 A (CWC)	7.42Y	123.7	0.00	1.27	0.00	0	0	0	100	0.00	0.0	1.978	0.047	0	0	0	0
PL.11635	PL.11634	B	6 A (CWC)	7.42Y	123.7	0.00	1.27	0.00	0	0	0	100	0.00	0.0	2.027	0.050	0	0	0	0
PL.11636	PL.11635	B	6 A (CWC)	7.42Y	123.7	0.00	1.27	0.00	0	0	0	100	0.00	0.0	2.083	0.056	0	0	0	0
PL.11637	PL.11636	B	6 A (CWC)	7.42Y	123.7	0.00	1.27	0.00	0	0	0	100	0.00	0.0	2.164	0.081	0	0	0	0
PL.11633	PL.11562	B	6 A (CWC)	7.42Y	123.6	0.08	1.35	17.68	13	127	34	97	0.08	0.1	2.037	0.106	3	1	3	56
PL.11570	PL.11633	B	6 A (CWC)	7.42Y	123.6	0.03	1.39	17.28	12	124	34	96	0.03	0.0	2.080	0.043	1	0	1	53
PL.11569	PL.11570	B	6 A (CWC)	7.41Y	123.6	0.04	1.43	17.11	12	122	33	97	0.04	0.0	2.133	0.053	2	1	2	52
PL.11568	PL.11569	B	6 A (CWC)	7.41Y	123.5	0.06	1.49	16.81	12	120	33	96	0.06	0.0	2.216	0.083	0	0	0	50
PL.11567	PL.11568	B	#2 ACSR	7.41Y	123.5	0.00	1.49	0.50	0	4	1	97	0.00	0.0	2.265	0.048	4	1	1	1
PL.11566	PL.11568	B	6 A (CWC)	7.41Y	123.5	0.03	1.52	16.31	12	117	32	96	0.02	0.0	2.251	0.035	4	1	3	49
PL.11565	PL.11566	B	6 A (CWC)	7.41Y	123.5	0.00	1.52	0.00	0	0	0	100	0.00	0.0	2.301	0.049	0	0	0	0
PL.11571	PL.11566	B	6 A (CWC)	7.41Y	123.4	0.05	1.57	15.82	11	113	31	96	0.04	0.0	2.318	0.066	0	0	0	46
PL.11572	PL.11571	B	6 A (CWC)	7.40Y	123.4	0.03	1.59	15.82	11	113	31	96	0.02	0.0	2.353	0.035	0	0	0	46
PL.11574	PL.11572	B	6 A (CWC)	7.40Y	123.4	0.02	1.62	14.89	11	106	29	96	0.02	0.0	2.390	0.036	0	0	1	44
PL.11576	PL.11574	B	#2 ACSR	7.40Y	123.4	0.00	1.62	0.32	0	2	1	89	0.00	0.0	2.419	0.030	2	1	2	2
PL.11575	PL.11574	B	6 A (CWC)	7.40Y	123.3	0.08	1.69	14.56	10	104	28	97	0.06	0.1	2.508	0.119	0	0	0	41
PL.11580	PL.11575	B	8 A (CWC)	7.40Y	123.3	0.00	1.70	0.97	1	7	2	96	0.00	0.0	2.546	0.038	0	0	0	5
PL.11581	PL.11580	B	6 A (CWC)	7.40Y	123.3	0.00	1.70	0.97	1	7	2	96	0.00	0.0	2.577	0.032	0	0	1	5
PL.11582	PL.11581	B	6 A (CWC)	7.40Y	123.3	0.00	1.70	0.96	1	7	2	96	0.00	0.0	2.608	0.031	0	0	0	4
PL.11583	PL.11582	B	6 A (CWC)	7.40Y	123.3	0.00	1.70	0.96	1	7	2	96	0.00	0.0	2.679	0.070	0	0	0	4
PL.11586	PL.11583	B	6 A (CWC)	7.40Y	123.3	0.00	1.71	0.66	0	5	1	98	0.00	0.0	2.791	0.112	1	0	1	3
PL.11587	PL.11586	B	6 A (CWC)	7.40Y	123.3	0.00	1.71	0.50	0	4	1	97	0.00	0.0	2.850	0.059	1	0	1	2
PL.11588	PL.11587	B	#4 ACSR	7.40Y	123.3	0.00	1.71	0.29	0	2	1	89	0.00	0.0	2.901	0.051	2	1	1	1
PL.11584	PL.11583	B	#4 ACSR	7.40Y	123.3	0.00	1.70	0.30	0	2	1	89	0.00	0.0	2.719	0.040	2	1	1	1
PL.11585	PL.11584	B	#1/0 ACSR	7.40Y	123.3	0.00	1.70	0.00	0	0	0	100	0.00	0.0	2.795	0.077	0	0	0	0
PL.11577	PL.11575	B	6 A (CWC)	7.40Y	123.3	0.05	1.74	13.59	10	97	26	97	0.03	0.0	2.586	0.078	6	2	2	36
PL.11578	PL.11577	B	6 A (CWC)	7.39Y	123.2	0.02	1.76	12.81	9	91	25	96	0.01	0.0	2.624	0.038	3	1	2	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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.11579	PL.11578	B	6 A (CWC)	7.39Y	123.2	0.04	1.80	12.34	9	88	24	96	0.03	0.0	2.706	0.082	19	5	2	32
PL.11590	PL.11579	B	6 A (CWC)	7.39Y	123.1	0.05	1.86	9.67	7	69	19	96	0.03	0.0	2.821	0.116	0	0	0	30
PL.11591	PL.11590	B	6 A (CWC)	7.39Y	123.1	0.03	1.88	9.67	7	69	19	96	0.01	0.0	2.883	0.062	1	0	1	30
PL.11592	PL.11591	B	6 A (CWC)	7.38Y	123.1	0.04	1.92	7.72	6	55	15	96	0.02	0.0	2.995	0.112	0	0	0	25
PL.11603	PL.11592	B	6 A (CWC)	7.38Y	123.0	0.03	1.95	7.72	6	55	15	96	0.01	0.0	3.074	0.078	0	0	0	25
PL.11604	PL.11603	B	6 A (CWC)	7.38Y	123.0	0.02	1.97	6.94	5	49	13	97	0.01	0.0	3.130	0.057	2	1	2	23
PL.11605	PL.11604	B	6 A (CWC)	7.38Y	123.0	0.02	1.99	6.61	5	47	13	96	0.01	0.0	3.193	0.063	2	1	1	21
PL.11606	PL.11605	B	6 A (CWC)	7.38Y	123.0	0.01	2.00	6.33	5	45	12	97	0.00	0.0	3.232	0.039	0	0	0	20
PL.11607	PL.11606	B	6 A (CWC)	7.38Y	123.0	0.02	2.01	6.33	5	45	12	97	0.01	0.0	3.291	0.059	0	0	0	20
PL.11608	PL.11607	B	6 A (CWC)	7.38Y	123.0	0.03	2.04	6.33	5	45	12	97	0.01	0.0	3.377	0.086	0	0	0	20
PL.11609	PL.11608	B	6 A (CWC)	7.38Y	122.9	0.01	2.05	6.33	5	45	12	97	0.00	0.0	3.425	0.048	3	1	1	20
PL.11610	PL.11609	B	6 A (CWC)	7.38Y	122.9	0.01	2.07	5.97	4	43	12	96	0.00	0.0	3.478	0.052	2	1	2	19
PL.11611	PL.11610	B	6 A (CWC)	7.38Y	122.9	0.01	2.08	5.71	4	41	11	97	0.00	0.0	3.533	0.056	0	0	0	17
PL.12047	PL.11611	B	6 A (CWC)	7.37Y	122.9	0.00	2.08	0.95	1	7	2	96	0.00	0.0	3.575	0.042	0	0	0	6
PL.11640	PL.12047	B	6 A (CWC)	7.37Y	122.9	0.00	2.09	0.95	1	7	2	96	0.00	0.0	3.676	0.101	2	1	1	6
PL.11641	PL.11640	B	6 A (CWC)	7.37Y	122.9	0.00	2.09	0.67	0	5	1	98	0.00	0.0	3.732	0.056	0	0	0	5
PL.11642	PL.11641	B	6 A (CWC)	7.37Y	122.9	0.00	2.09	0.67	0	5	1	98	0.00	0.0	3.837	0.105	0	0	0	5
PL.11643	PL.11642	B	6 A (CWC)	7.37Y	122.9	0.00	2.09	0.67	0	5	1	98	0.00	0.0	3.885	0.049	0	0	0	5
PL.11644	PL.11643	B	6 A (CWC)	7.37Y	122.9	0.00	2.10	0.67	0	5	1	98	0.00	0.0	3.960	0.075	0	0	0	5
PL.11645	PL.11644	B	6 A (CWC)	7.37Y	122.9	0.00	2.10	0.67	0	5	1	98	0.00	0.0	4.053	0.093	1	0	1	5
PL.11647	PL.11645	B	6 A (CWC)	7.37Y	122.9	0.00	2.10	0.40	0	3	1	95	0.00	0.0	4.114	0.061	0	0	1	2
PL.11648	PL.11647	B	6 A (CWC)	7.37Y	122.9	0.00	2.10	0.40	0	3	1	95	0.00	0.0	4.157	0.043	3	1	1	1
PL.11649	PL.11648	B	6 A (CWC)	7.37Y	122.9	0.00	2.10	0.00	0	0	0	100	0.00	0.0	4.208	0.050	0	0	0	0
PL.11646	PL.11645	B	#4 ACSR	7.37Y	122.9	0.00	2.10	0.14	0	1	0	100	0.00	0.0	4.106	0.053	0	0	0	2
PL.11650	PL.11646	B	#4 ACSR	7.37Y	122.9	0.00	2.10	0.14	0	1	0	100	0.00	0.0	4.209	0.103	0	0	0	2
PL.11651	PL.11650	B	#4 ACSR	7.37Y	122.9	0.00	2.10	0.14	0	1	0	100	0.00	0.0	4.257	0.048	0	0	0	2
PL.11652	PL.11651	B	#4 ACSR	7.37Y	122.9	0.00	2.10	0.14	0	1	0	100	0.00	0.0	4.303	0.046	0	0	0	2
PL.11653	PL.11652	B	#4 ACSR	7.37Y	122.9	0.00	2.10	0.01	0	0	0	100	0.00	0.0	4.354	0.051	0	0	1	1
PL.11654	PL.11653	B	#4 ACSR	7.37Y	122.9	0.00	2.10	0.13	0	1	0	100	0.00	0.0	4.377	0.074	0	0	0	1
PL.11655	PL.11654	B	#4 ACSR	7.37Y	122.9	0.00	2.10	0.13	0	1	0	100	0.00	0.0	4.450	0.073	0	0	0	1
PL.11656	PL.11655	B	#4 ACSR	7.37Y	122.9	0.00	2.10	0.13	0	1	0	100	0.00	0.0	4.519	0.070	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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.12098	PL.11611	B	6 A (CWC)	7.38Y	122.9	0.00	2.08	4.77	3	34	9	97	0.00	0.0	3.538	0.005	0	0	0	11
PD.2077	PL.12098	B	20T	7.38Y	122.9	0.00	2.08	4.77	0	34	9	97	0.00	0.0	3.538	0.005	0	0	0	11
PL.12099	PD.2077	B	6 A (CWC)	7.37Y	122.9	0.01	2.09	4.77	3	34	9	97	0.00	0.0	3.578	0.040	3	1	2	11
PL.11612	PL.12099	B	6 A (CWC)	7.37Y	122.9	0.01	2.10	4.40	3	31	8	97	0.00	0.0	3.625	0.047	3	1	2	9
PL.11613	PL.11612	B	6 A (CWC)	7.37Y	122.9	0.01	2.11	3.91	3	28	8	96	0.00	0.0	3.700	0.075	0	0	0	7
PL.11614	PL.11613	B	6 A (CWC)	7.37Y	122.9	0.01	2.12	3.91	3	28	8	96	0.00	0.0	3.760	0.060	0	0	0	7
PL.12070	PL.11614	B	6 A (CWC)	7.37Y	122.9	0.00	2.13	3.91	3	28	8	96	0.00	0.0	3.778	0.017	0	0	0	7
PL.12071	PL.12070	B	6 A (CWC)	7.37Y	122.9	0.01	2.13	3.91	3	28	8	96	0.00	0.0	3.810	0.032	0	0	0	7
PL.11616	PL.12071	B	6 A (CWC)	7.37Y	122.9	0.01	2.14	3.40	2	24	7	96	0.00	0.0	3.849	0.039	0	0	0	5
PL.11618	PL.11616	B	6 A (CWC)	7.37Y	122.8	0.02	2.16	3.40	2	24	7	96	0.00	0.0	3.960	0.111	0	0	0	5
PL.11619	PL.11618	B	6 A (CWC)	7.37Y	122.8	0.02	2.17	3.40	2	24	7	96	0.00	0.0	4.064	0.104	0	0	0	5
PL.11620	PL.11619	B	6 A (CWC)	7.37Y	122.8	0.02	2.19	3.40	2	24	7	96	0.00	0.0	4.207	0.143	0	0	0	5
PL.11621	PL.11620	B	6 A (CWC)	7.37Y	122.8	0.02	2.21	3.40	2	24	7	96	0.00	0.0	4.322	0.115	0	0	0	5
PL.11622	PL.11621	B	6 A (CWC)	7.37Y	122.8	0.01	2.23	3.40	2	24	7	96	0.00	0.0	4.416	0.095	0	0	0	5
PL.11623	PL.11622	B	6 A (CWC)	7.37Y	122.8	0.02	2.24	3.40	2	24	7	96	0.00	0.0	4.520	0.103	0	0	0	5
PL.11624	PL.11623	B	6 A (CWC)	7.36Y	122.7	0.01	2.25	3.40	2	24	7	96	0.00	0.0	4.574	0.054	0	0	0	5
PL.11625	PL.11624	B	6 A (CWC)	7.36Y	122.7	0.01	2.27	3.40	2	24	7	96	0.00	0.0	4.664	0.090	0	0	0	5
PL.11626	PL.11625	B	6 A (CWC)	7.36Y	122.7	0.03	2.29	3.40	2	24	7	96	0.00	0.0	4.826	0.162	0	0	0	5
PL.11627	PL.11626	B	6 A (CWC)	7.36Y	122.7	0.01	2.31	3.40	2	24	7	96	0.00	0.0	4.921	0.094	0	0	0	5
PL.11628	PL.11627	B	6 A (CWC)	7.36Y	122.7	0.00	2.31	2.29	2	16	4	97	0.00	0.0	4.954	0.034	8	2	1	4
PL.11630	PL.11628	B	6 A (CWC)	7.36Y	122.7	0.00	2.31	1.15	1	8	2	97	0.00	0.0	4.999	0.045	3	1	1	3
PL.11631	PL.11630	B	#2 ACSR	7.36Y	122.7	0.00	2.31	0.71	0	5	1	98	0.00	0.0	5.063	0.064	5	1	1	2
PL.11632	PL.11631	B	#2 ACSR	7.36Y	122.7	0.00	2.31	0.00	0	0	0	100	0.00	0.0	5.125	0.062	0	0	1	1
PL.11629	PL.11627	B	#2 ACSR	7.36Y	122.7	0.00	2.31	1.11	1	8	2	97	0.00	0.0	4.978	0.057	8	2	1	1
PL.11615	PL.12071	B	#2 ACSR	7.37Y	122.9	0.00	2.13	0.51	0	4	1	97	0.00	0.0	3.830	0.020	0	0	1	2
PL.11617	PL.11615	B	#2 ACSR	7.37Y	122.9	0.00	2.13	0.51	0	4	1	97	0.00	0.0	3.888	0.058	4	1	1	1
PL.11589	PL.11603	B	#1/0 ACSR	7.38Y	123.0	0.00	1.95	0.78	0	6	1	99	0.00	0.0	3.123	0.050	6	1	2	2
PL.12088	PL.11591	B	6 A (CWC)	7.39Y	123.1	0.00	1.88	1.83	1	13	4	96	0.00	0.0	2.888	0.005	0	0	0	4
PD.2072	PL.12088	B	20T	7.39Y	123.1	0.00	1.88	1.83	0	13	4	96	0.00	0.0	2.888	0.005	0	0	0	4
PL.12089	PD.2072	B	6 A (CWC)	7.39Y	123.1	0.00	1.89	1.83	1	13	4	96	0.00	0.0	2.932	0.044	0	0	0	4
PL.11593	PL.12089	B	6 A (CWC)	7.39Y	123.1	0.01	1.89	1.83	1	13	4	96	0.00	0.0	3.011	0.079	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

Balanced Voltage Drop Report
Source: Oneida

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.11594	PL.11593	B	6 A (CWC)	7.39Y	123.1	0.01	1.90	1.83	1	13	4	96	0.00	0.0	3.103	0.093	0	0	1	4
PL.11595	PL.11594	B	#2 ACSR	7.39Y	123.1	0.00	1.91	1.82	1	13	4	96	0.00	0.0	3.173	0.069	1	0	1	3
PL.11596	PL.11595	B	#2 ACSR	7.39Y	123.1	0.00	1.91	1.66	1	12	3	97	0.00	0.0	3.249	0.077	0	0	0	2
PL.11597	PL.11596	B	#2 ACSR	7.39Y	123.1	0.00	1.91	1.66	1	12	3	97	0.00	0.0	3.343	0.094	0	0	0	2
PL.11598	PL.11597	B	#2 ACSR	7.38Y	123.1	0.01	1.92	1.66	1	12	3	97	0.00	0.0	3.448	0.105	0	0	1	2
PL.11599	PL.11598	B	#2 ACSR	7.38Y	123.1	0.00	1.92	0.00	0	0	0	100	0.00	0.0	3.496	0.048	0	0	0	0
PL.11600	PL.11598	B	#2 ACSR	7.38Y	123.1	0.00	1.92	1.60	1	11	3	96	0.00	0.0	3.545	0.097	0	0	0	1
PL.11601	PL.11600	B	#2 ACSR	7.38Y	123.1	0.01	1.93	1.60	1	11	3	96	0.00	0.0	3.646	0.100	0	0	0	1
PL.11602	PL.11601	B	#2 ACSR	7.38Y	123.1	0.00	1.93	1.60	1	11	3	96	0.00	0.0	3.679	0.033	11	3	1	1
PL.11573	PL.11572	B	#2 ACSR	7.40Y	123.4	0.00	1.59	0.92	1	7	2	96	0.00	0.0	2.382	0.029	7	2	2	2
PL.11559	PL.11557	B	#4 ACSR	7.43Y	123.8	0.00	1.18	0.29	0	2	1	89	0.00	0.0	1.890	0.063	2	1	1	1
PL.11560	PL.11559	B	#4 ACSR	7.43Y	123.8	0.00	1.18	0.00	0	0	0	100	0.00	0.0	1.931	0.041	0	0	0	0
PL.11561	PL.11560	B	#4 ACSR	7.43Y	123.8	0.00	1.18	0.00	0	0	0	100	0.00	0.0	1.993	0.062	0	0	0	0
PL.11660	PL.11548	B	8 A (CWC)	7.45Y	124.1	0.00	0.87	0.94	1	7	2	96	0.00	0.0	1.539	0.069	6	2	2	3
PL.11661	PL.11660	B	#4 ACSR	7.45Y	124.1	0.00	0.87	0.06	0	0	0	100	0.00	0.0	1.587	0.048	0	0	1	1
PL.11544	PL.11543	B	#2 ACSR	7.46Y	124.4	0.00	0.61	0.35	0	3	1	95	0.00	0.0	1.209	0.017	0	0	0	2
PL.11546	PL.11544	B	#2 ACSR	7.46Y	124.4	0.00	0.61	0.35	0	3	1	95	0.00	0.0	1.272	0.063	0	0	1	2
PL.11547	PL.11546	B	#2 ACSR	7.46Y	124.4	0.00	0.61	0.34	0	2	1	89	0.00	0.0	1.321	0.049	2	1	1	1
PL.12124	PL.11540	C	#1/0 ACSR	7.47Y	124.5	0.00	0.51	0.78	0	6	2	95	0.00	0.0	1.086	0.005	0	0	0	2
PD.2090	PL.12124	C	65T	7.47Y	124.5	0.00	0.51	0.78	0	6	2	95	0.00	0.0	1.086	0.005	0	0	0	2
PL.12125	PD.2090	C	#1/0 ACSR	7.47Y	124.5	0.00	0.52	0.78	0	6	2	95	0.00	0.0	1.155	0.070	6	2	2	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

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total		
KW	3474	0	0	0	0	0	28	0.00	3502	Lowest Voltage = 120.65 on Element PL.11073	
KVAR	1114	0	0	0	0	0	41		1154	Max Accm VoltD = 4.35 on Element PL.11073	
										Max Elem VoltD = 0.16 on Element PL.11674	

