Balanced Voltage Drop Report
Source: Big Creek

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
Big Creek		ABC	SRC-Big Cr	7.50Y	125.0	0.00	0.00	234.10	0	5003	1647	95	0.00	0.0	0.000	0.000	0	0	0	931
PL.64980	Big Creek	ABC	336 MCM AC	7.50Y	125.0	0.01	0.01	135.89	26	2900	968	95	0.14	0.0	0.009	0.009	0	0	0	551
PL.64981	PL.64980	ABC	336 MCM AC	7.50Y	125.0	0.00	0.01	135.89	26	2900	968	95	0.06	0.0	0.013	0.004	0	0	0	551
---------- Feeder No. 3 (Flat Creek F3) Beginning with Device PD.9988 ----------																				
PD.9988	PL.64981	ABC	480VWE	7.50Y	125.0	0.00	0.01	135.89	0	2900	968	95	0.00	0.0	0.013	0.004	0	0	0	551
PL.64986	PD.9988	ABC	336 MCM AC	7.50Y	125.0	0.00	0.02	135.89	26	2900	968	95	0.06	0.0	0.017	0.004	0	0	0	551
PL.64987	PL.64986	ABC	336 MCM AC	7.50Y	125.0	0.01	0.02	135.89	26	2900	968	95	0.09	0.0	0.023	0.006	0	0	0	551
PL.64955	PL.64987	ABC	336 MCM AC	7.50Y	124.9	0.04	0.06	135.89	26	2900	968	95	0.58	0.0	0.060	0.037	0	0	0	551
PL.64956	PL.64955	ABC	336 MCM AC	7.49Y	124.9	0.05	0.12	135.89	26	2899	966	95	0.75	0.0	0.109	0.048	0	0	0	551
PL.140	PL.64956	ABC	336 MCM AC	7.49Y	124.8	0.07	0.19	135.89	26	2898	965	95	1.03	0.0	0.175	0.066	0	0	0	549
PL.26129	PL.140	ABC	336 MCM AC	7.47Y	124.5	0.28	0.47	130.07	25	2773	923	95	3.90	0.1	0.449	0.275	9	3	1	530
PL.830	PL.26129	ABC	336 MCM AC	7.47Y	124.4	0.09	0.56	129.66	25	2760	911	95	1.31	0.0	0.542	0.092	0	0	0	529
PL.1203	PL.830	C	#1/0 ACSR	7.47Y	124.4	0.00	0.56	0.00	0	0	0	100	0.00	0.0	0.547	0.005	0	0	0	0
PD.130	PL.1203	C	40QA	7.47Y	124.4	0.00	0.56	0.00	0	0	0	100	0.00	0.0	0.547	0.005	0	0	0	0
PL.1204	PD.130	C	#1/0 ACSR	7.47Y	124.4	0.00	0.56	0.00	0	0	0	100	0.00	0.0	0.573	0.026	0	0	0	0
PL.1103	PL.830	A	#1/0 ACSR	7.47Y	124.4	0.00	0.56	4.79	2	34	11	95	0.00	0.0	0.546	0.005	0	0	0	6
PD.76	PL.1103	A	40QA	7.47Y	124.4	0.00	0.56	4.79	12	34	11	95	0.00	0.0	0.546	0.005	0	0	0	6
PL.1104	PD.76	A	#1/0 ACSR	7.47Y	124.4	0.00	0.57	4.79	2	34	11	95	0.00	0.0	0.589	0.043	17	5	3	6
PL.137	PL.1104	A	6 A (CWC)	7.47Y	124.4	0.01	0.58	2.37	2	17	5	96	0.00	0.0	0.773	0.183	17	5	3	3
PL.139	PL.137	A	#1/0 ACSR	7.47Y	124.4	0.00	0.58	0.00	0	0	0	100	0.00	0.0	0.826	0.053	0	0	0	0
PL.832	PL.830	ABC	336 MCM AC	7.46Y	124.3	0.10	0.67	128.07	25	2725	897	95	1.41	0.1	0.644	0.102	0	0	0	523
PL.259	PL.832	ABC	336 MCM AC	7.46Y	124.3	0.03	0.70	128.07	25	2723	894	95	0.45	0.0	0.676	0.033	24	8	4	523
PL.937	PL.259	ABC	336 MCM AC	7.46Y	124.3	0.05	0.75	126.48	24	2689	882	95	0.66	0.0	0.726	0.049	0	0	0	518
PL.136	PL.937	ABC	336 MCM AC	7.45Y	124.2	0.06	0.81	126.48	24	2688	880	95	0.83	0.0	0.787	0.062	0	0	1	518
PL.985	PL.136	C	#4 ACSR	7.45Y	124.2	0.00	0.81	1.89	1	13	4	96	0.00	0.0	0.792	0.004	0	0	0	2
PD.18	PL.985	C	40QA	7.45Y	124.2	0.00	0.81	1.89	5	13	4	96	0.00	0.0	0.792	0.004	0	0	0	2
PL.986	PD.18	C	#4 ACSR	7.45Y	124.2	0.00	0.81	1.89	1	13	4	96	0.00	0.0	0.817	0.026	13	4	2	2
PL.1376	PL.136	ABC	336 MCM AC	7.45Y	124.2	0.01	0.82	125.84	24	2674	874	95	0.20	0.0	0.802	0.015	0	0	0	514
PL.1375	PL.1376	ABC	336 MCM AC	7.45Y	124.2	0.00	0.83	125.84	24	2674	874	95	0.05	0.0	0.805	0.003	0	0	0	514
PL.315	PL.1375	ABC	336 MCM AC	7.45Y	124.2	0.02	0.84	125.84	24	2674	873	95	0.25	0.0	0.824	0.019	11	3	3	514

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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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.314	PL.315	ABC	336 MCM AC	7.45Y	124.1	0.05	0.89	125.35	24	2663	870	95	0.65	0.0	0.874	0.049	24	8	3	511
PL.302	PL.314	ABC	336 MCM AC	7.44Y	124.1	0.05	0.94	68.36	13	1453	470	95	0.38	0.0	0.971	0.098	0	0	0	237
PL.304	PL.302	ABC	336 MCM AC	7.44Y	124.0	0.03	0.98	67.80	13	1441	465	95	0.22	0.0	1.029	0.058	0	0	0	236
PL.959	PL.304	A	#1/0 ACSR	7.44Y	124.0	0.00	0.98	0.10	0	1	0	100	0.00	0.0	1.034	0.005	0	0	0	1
PD.5	PL.959	A	40QA	7.44Y	124.0	0.00	0.98	0.10	0	1	0	100	0.00	0.0	1.034	0.005	0	0	0	1
PL.960	PD.5	A	#1/0 ACSR	7.44Y	124.0	0.00	0.98	0.10	0	1	0	100	0.00	0.0	1.134	0.100	1	0	1	1
PL.64932	PL.304	ABC	336 MCM AC	7.44Y	124.0	0.05	1.02	67.77	13	1440	464	95	0.34	0.0	1.118	0.089	0	0	0	235
PL.65729	PL.64932	ABC	336 MCM AC	7.44Y	124.0	0.00	1.02	67.77	13	1440	463	95	0.01	0.0	1.122	0.003	0	0	0	235
PD.9580-A	PL.65729	ABC	Closed	7.44Y	124.0	0.00	1.02	67.77	0	1440	463	95	0.00	0.0	1.122	0.003	0	0	0	235
PD.9580-B	PD.9580-A	ABC	Closed	7.44Y	124.0	0.00	1.02	67.77	0	1440	463	95	0.00	0.0	1.122	0.003	0	0	0	235
PL.65730	PD.9580-B	ABC	336 MCM AC	7.44Y	123.9	0.05	1.07	67.77	13	1440	463	95	0.36	0.0	1.216	0.094	9	3	2	235
PL.961	PL.65730	A	#4 ACSR	7.44Y	123.9	0.00	1.07	1.94	1	14	4	96	0.00	0.0	1.220	0.005	0	0	0	3
PD.6	PL.961	A	40QA	7.44Y	123.9	0.00	1.07	1.94	5	14	4	96	0.00	0.0	1.220	0.005	0	0	0	3
PL.962	PD.6	A	#4 ACSR	7.44Y	123.9	0.00	1.07	1.94	1	14	4	96	0.00	0.0	1.233	0.012	14	4	3	3
PL.309	PL.65730	ABC	336 MCM AC	7.43Y	123.9	0.03	1.10	66.71	13	1417	456	95	0.20	0.0	1.268	0.052	2	1	1	230
PL.310	PL.309	ABC	336 MCM AC	7.43Y	123.9	0.03	1.13	66.61	13	1414	454	95	0.21	0.0	1.325	0.057	0	0	0	229
PL.963	PL.310	C	#1/0 ACSR	7.43Y	123.9	0.00	1.13	3.38	1	24	8	95	0.00	0.0	1.330	0.005	0	0	0	2
PD.7	PL.963	C	40QA	7.43Y	123.9	0.00	1.13	3.38	8	24	8	95	0.00	0.0	1.330	0.005	0	0	0	2
PL.964	PD.7	C	#1/0 ACSR	7.43Y	123.9	0.00	1.13	3.38	1	24	8	95	0.00	0.0	1.356	0.026	24	8	2	2
PL.316	PL.310	ABC	336 MCM AC	7.43Y	123.8	0.03	1.16	65.48	13	1390	446	95	0.20	0.0	1.382	0.057	22	7	3	227
PL.317	PL.316	ABC	336 MCM AC	7.43Y	123.8	0.01	1.17	64.45	12	1368	439	95	0.10	0.0	1.412	0.029	0	0	0	224
PL.965	PL.317	C	#4 ACSR	7.43Y	123.8	0.00	1.18	2.99	2	21	7	95	0.00	0.0	1.416	0.005	0	0	0	3
PD.8	PL.965	C	40QA	7.43Y	123.8	0.00	1.18	2.99	7	21	7	95	0.00	0.0	1.416	0.005	0	0	0	3
PL.966	PD.8	C	#4 ACSR	7.43Y	123.8	0.00	1.18	2.99	2	21	7	95	0.00	0.0	1.424	0.007	21	7	3	3
PL.1115	PL.317	C	#1/0 ACSR	7.43Y	123.8	0.00	1.18	10.29	4	73	23	95	0.00	0.0	1.416	0.005	0	0	0	18
PD.82	PL.1115	C	40QA	7.43Y	123.8	0.00	1.18	10.29	26	73	23	95	0.00	0.0	1.416	0.005	0	0	0	18
PL.1116	PD.82	C	#1/0 ACSR	7.43Y	123.8	0.01	1.18	10.29	4	73	23	95	0.00	0.0	1.441	0.025	5	2	3	18
PL.313	PL.1116	C	#1/0 ACSR	7.43Y	123.8	0.01	1.19	7.27	3	52	16	96	0.00	0.0	1.491	0.050	3	1	2	8
PL.312	PL.313	C	#1/0 ACSR	7.43Y	123.8	0.01	1.20	6.79	3	48	15	95	0.00	0.0	1.543	0.052	24	8	3	6
PL.9	PL.312	C	#1/0 ACSR	7.43Y	123.8	0.00	1.20	3.43	1	24	8	95	0.00	0.0	1.568	0.025	24	8	3	3
PL.318	PL.1116	C	#1/0 ACSR	7.43Y	123.8	0.00	1.18	2.33	1	16	5	95	0.00	0.0	1.467	0.026	0	0	0	7

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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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.322	PL.318	C	#1/0 ACSR	7.43Y	123.8	0.00	1.18	2.33	1	16	5	95	0.00	0.0	1.493	0.026	4	1	2	7
PL.323	PL.322	C	#1/0 ACSR	7.43Y	123.8	0.00	1.19	1.77	1	13	4	96	0.00	0.0	1.548	0.055	13	4	5	5
PL.10	PL.317	ABC	336 MCM AC	7.43Y	123.8	0.01	1.19	60.02	12	1274	409	95	0.07	0.0	1.434	0.023	0	0	0	203
PL.11	PL.10	ABC	336 MCM AC	7.43Y	123.8	0.02	1.20	59.95	12	1272	408	95	0.12	0.0	1.476	0.041	0	0	0	202
PL.324	PL.11	ABC	336 MCM AC	7.43Y	123.8	0.02	1.23	59.46	11	1262	405	95	0.16	0.0	1.529	0.054	13	4	2	200
PL.325	PL.324	ABC	336 MCM AC	7.43Y	123.8	0.01	1.24	58.84	11	1248	400	95	0.09	0.0	1.562	0.032	5	2	1	198
PL.326	PL.325	ABC	336 MCM AC	7.42Y	123.7	0.02	1.26	58.60	11	1243	398	95	0.11	0.0	1.599	0.037	0	0	0	197
PL.901	PL.326	ABC	336 MCM AC	7.42Y	123.7	0.01	1.27	58.60	11	1243	398	95	0.08	0.0	1.627	0.028	0	0	0	197
PL.328	PL.901	ABC	336 MCM AC	7.42Y	123.7	0.02	1.29	58.24	11	1235	395	95	0.10	0.0	1.664	0.037	10	3	1	195
PL.327	PL.328	ABC	336 MCM AC	7.42Y	123.7	0.02	1.31	57.79	11	1226	392	95	0.09	0.0	1.697	0.034	25	8	2	194
PL.969	PL.327	C	#1/0 ACSR	7.42Y	123.7	0.00	1.31	0.23	0	2	1	89	0.00	0.0	1.702	0.005	0	0	0	1
PD.10	PL.969	C	40QA	7.42Y	123.7	0.00	1.31	0.23	1	2	1	89	0.00	0.0	1.702	0.005	0	0	0	1
PL.970	PD.10	C	#1/0 ACSR	7.42Y	123.7	0.00	1.31	0.23	0	2	1	89	0.00	0.0	1.713	0.011	2	1	1	1
PL.40	PL.327	ABC	336 MCM AC	7.42Y	123.7	0.01	1.32	56.51	11	1199	383	95	0.09	0.0	1.731	0.034	17	6	1	191
PL.8	PL.40	ABC	336 MCM AC	7.42Y	123.7	0.02	1.34	55.69	11	1181	377	95	0.12	0.0	1.778	0.047	0	0	2	190
PL.971	PL.8	A	#2 ACSR	7.42Y	123.7	0.00	1.34	1.79	1	13	4	96	0.00	0.0	1.782	0.004	0	0	0	2
PD.11	PL.971	A	40QA	7.42Y	123.7	0.00	1.34	1.79	4	13	4	96	0.00	0.0	1.782	0.004	0	0	0	2
PL.972	PD.11	A	#2 ACSR	7.42Y	123.7	0.00	1.34	1.79	1	13	4	96	0.00	0.0	1.812	0.029	13	4	2	2
PL.7	PL.8	ABC	336 MCM AC	7.42Y	123.6	0.02	1.36	55.09	11	1168	373	95	0.10	0.0	1.819	0.041	0	0	0	186
PL.973	PL.7	A	#2 ACSR	7.42Y	123.6	0.00	1.36	3.75	2	26	8	96	0.00	0.0	1.824	0.005	0	0	0	6
PD.12	PL.973	A	40QA	7.42Y	123.6	0.00	1.36	3.75	9	26	8	96	0.00	0.0	1.824	0.005	0	0	0	6
PL.974	PD.12	A	#2 ACSR	7.42Y	123.6	0.00	1.36	3.75	2	26	8	96	0.00	0.0	1.851	0.027	26	8	6	6
PL.1127	PL.7	C	#4 ACSR	7.42Y	123.6	0.00	1.36	2.45	2	17	5	96	0.00	0.0	1.824	0.005	0	0	0	2
PD.89	PL.1127	C	40QA	7.42Y	123.6	0.00	1.36	2.45	6	17	5	96	0.00	0.0	1.824	0.005	0	0	0	2
PL.1128	PD.89	C	#4 ACSR	7.42Y	123.6	0.00	1.36	2.45	2	17	5	96	0.00	0.0	1.833	0.010	17	5	2	2
PL.36	PL.7	ABC	336 MCM AC	7.42Y	123.6	0.04	1.40	53.02	10	1124	359	95	0.23	0.0	1.917	0.098	11	3	1	178
PL.1187	PL.36	A	#2 ACSR	7.42Y	123.6	0.00	1.40	1.43	1	10	3	96	0.00	0.0	1.922	0.005	0	0	0	2
PD.123	PL.1187	A	40QA	7.42Y	123.6	0.00	1.40	1.43	4	10	3	96	0.00	0.0	1.922	0.005	0	0	0	2
PL.1188	PD.123	A	#2 ACSR	7.42Y	123.6	0.00	1.40	1.43	1	10	3	96	0.00	0.0	1.926	0.004	10	3	2	2
PL.1191	PL.36	A	#1/0 ACSR	7.42Y	123.6	0.00	1.40	0.81	0	6	2	95	0.00	0.0	1.922	0.005	0	0	0	2
PD.124	PL.1191	A	40QA	7.42Y	123.6	0.00	1.40	0.81	2	6	2	95	0.00	0.0	1.922	0.005	0	0	0	2

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Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.1192	PD.124	A	#1/0 ACSR	7.42Y	123.6	0.00	1.40	0.81	0	6	2	95	0.00	0.0	1.957	0.035	6	2	2	2
PL.329	PL.1192	A	#1/0 ACSR	7.42Y	123.6	0.00	1.40	0.00	0	0	0	100	0.00	0.0	1.995	0.038	0	0	0	0
PL.1189	PL.36	ABC	336 MCM AC	7.42Y	123.6	0.02	1.42	51.76	10	1097	350	95	0.10	0.0	1.961	0.044	0	0	0	173
PL.268	PL.1189	ABC	336 MCM AC	7.41Y	123.6	0.02	1.44	51.76	10	1097	350	95	0.13	0.0	2.020	0.059	5	2	1	169
PL.978	PL.268	B	#1/0 ACSR	7.41Y	123.6	0.00	1.44	15.84	7	112	35	95	0.00	0.0	2.025	0.005	0	0	0	16
PD.14	PL.978	B	30T	7.41Y	123.6	0.00	1.44	15.84	0	112	35	95	0.00	0.0	2.025	0.005	0	0	0	16
PL.977	PD.14	B	#1/0 ACSR	7.41Y	123.6	0.00	1.45	15.84	7	112	35	95	0.00	0.0	2.040	0.015	31	10	4	16
PL.320	PL.977	B	8 A (CWC)	7.41Y	123.5	0.04	1.48	11.47	11	81	26	95	0.02	0.0	2.094	0.054	11	4	1	12
PL.319	PL.320	B	6 A (CWC)	7.41Y	123.5	0.01	1.49	7.96	6	56	18	95	0.00	0.0	2.117	0.023	7	2	1	7
PL.899	PL.319	B	6 A (CWC)	7.41Y	123.5	0.01	1.50	6.97	5	49	16	95	0.00	0.0	2.161	0.044	49	16	6	6
PL.37	PL.320	B	8 A (CWC)	7.41Y	123.5	0.00	1.49	1.89	2	13	4	96	0.00	0.0	2.111	0.018	13	4	4	4
PL.903	PL.268	ABC	336 MCM AC	7.41Y	123.5	0.01	1.45	46.23	9	980	312	95	0.06	0.0	2.054	0.034	6	2	1	152
PL.332	PL.903	ABC	336 MCM AC	7.41Y	123.5	0.02	1.47	45.15	9	957	305	95	0.11	0.0	2.117	0.063	9	3	2	150
PL.331	PL.332	ABC	336 MCM AC	7.41Y	123.5	0.01	1.49	44.71	9	947	302	95	0.06	0.0	2.156	0.038	29	9	3	148
PL.333	PL.331	ABC	336 MCM AC	7.41Y	123.5	0.01	1.50	42.88	8	908	289	95	0.04	0.0	2.185	0.029	34	11	8	143
PL.335	PL.333	ABC	336 MCM AC	7.41Y	123.5	0.01	1.51	41.26	8	874	278	95	0.05	0.0	2.219	0.034	19	6	2	135
PL.334	PL.335	ABC	336 MCM AC	7.41Y	123.5	0.01	1.52	40.39	8	855	272	95	0.06	0.0	2.264	0.045	0	0	0	133
PL.338	PL.334	ABC	336 MCM AC	7.41Y	123.5	0.02	1.54	39.26	8	832	265	95	0.08	0.0	2.328	0.065	1	0	1	128
PL.34	PL.338	C	#1/0 ACSR	7.41Y	123.4	0.03	1.57	36.49	16	258	82	95	0.05	0.0	2.364	0.035	0	0	0	42
PL.1259	PL.34	C	8 A (CWC)	7.41Y	123.4	0.01	1.58	36.49	36	258	82	95	0.01	0.0	2.366	0.003	0	0	0	42
PD.143	PL.1259	C	50L	7.41Y	123.4	0.00	1.58	36.49	73	258	82	95	0.00	0.0	2.366	0.003	0	0	0	42
PL.1260	PD.143	C	8 A (CWC)	7.40Y	123.4	0.05	1.63	36.49	36	258	82	95	0.10	0.0	2.389	0.023	40	13	4	42
PL.361	PL.1260	C	8 A (CWC)	7.40Y	123.3	0.05	1.68	30.89	31	218	69	95	0.09	0.0	2.416	0.027	20	6	2	38
PL.358	PL.361	C	8 A (CWC)	7.39Y	123.2	0.09	1.77	23.67	24	167	53	95	0.12	0.1	2.475	0.059	11	3	1	32
PL.359	PL.358	C	8 A (CWC)	7.39Y	123.1	0.08	1.85	22.11	22	156	49	95	0.09	0.1	2.528	0.054	9	3	1	31
PL.357	PL.359	C	8 A (CWC)	7.38Y	123.0	0.10	1.95	20.83	21	147	47	95	0.12	0.1	2.604	0.075	7	2	1	30
PL.356	PL.357	C	8 A (CWC)	7.38Y	123.0	0.08	2.03	19.90	20	140	44	95	0.08	0.1	2.662	0.058	9	3	1	29
PL.354	PL.356	C	8 A (CWC)	7.37Y	122.9	0.09	2.12	18.63	19	131	42	95	0.10	0.1	2.741	0.079	8	3	1	28
PL.355	PL.354	C	8 A (CWC)	7.37Y	122.8	0.05	2.17	17.43	17	123	39	95	0.05	0.0	2.783	0.042	4	1	1	27
PL.905	PL.355	C	8 A (CWC)	7.37Y	122.8	0.02	2.19	16.87	17	118	38	95	0.02	0.0	2.799	0.017	0	0	0	26
PL.906	PL.905	C	8 A (CWC)	7.37Y	122.8	0.04	2.23	16.87	17	118	38	95	0.04	0.0	2.837	0.037	11	4	6	26

KEY-> 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: Big Creek

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.353	PL.906	C	8 A (CWC)	7.36Y	122.7	0.03	2.26	15.24	15	107	34	95	0.03	0.0	2.870	0.034	9	3	1	20
PL.352	PL.353	C	6 A (CWC)	7.36Y	122.7	0.03	2.30	13.93	10	98	31	95	0.02	0.0	2.920	0.050	1	0	1	19
PL.351	PL.352	C	6 A (CWC)	7.36Y	122.7	0.03	2.32	13.72	10	96	31	95	0.02	0.0	2.965	0.045	10	3	1	18
PL.350	PL.351	C	8 A (CWC)	7.36Y	122.6	0.04	2.36	12.28	12	86	27	95	0.03	0.0	3.018	0.053	8	2	2	17
PL.348	PL.350	C	8 A (CWC)	7.36Y	122.6	0.02	2.39	8.61	9	60	19	95	0.01	0.0	3.062	0.044	9	3	2	11
PL.349	PL.348	C	8 A (CWC)	7.36Y	122.6	0.02	2.41	7.36	7	52	16	96	0.01	0.0	3.106	0.044	18	6	3	9
PL.346	PL.349	C	8 A (CWC)	7.35Y	122.6	0.01	2.42	4.81	5	34	11	95	0.00	0.0	3.158	0.053	22	7	3	6
PL.347	PL.346	C	8 A (CWC)	7.35Y	122.6	0.01	2.42	1.69	2	12	4	95	0.00	0.0	3.217	0.059	1	0	1	3
PL.4498	PL.347	C	#1/0 ACSR	7.35Y	122.6	0.00	2.42	1.52	1	11	3	96	0.00	0.0	3.251	0.034	2	1	1	2
PL.4499	PL.4498	C	#1/0 ACSR	7.35Y	122.6	0.00	2.42	1.22	1	9	3	95	0.00	0.0	3.281	0.029	9	3	1	1
PL.344	PL.350	C	8 A (CWC)	7.36Y	122.6	0.01	2.37	2.55	3	18	6	95	0.00	0.0	3.115	0.097	13	4	1	4
PL.345	PL.344	C	8 A (CWC)	7.36Y	122.6	0.00	2.38	0.67	1	5	2	93	0.00	0.0	3.182	0.067	0	0	0	3
PL.343	PL.345	C	8 A (CWC)	7.36Y	122.6	0.00	2.38	0.67	1	5	2	93	0.00	0.0	3.234	0.052	3	1	1	3
PL.342	PL.343	C	8 A (CWC)	7.36Y	122.6	0.00	2.38	0.26	0	2	1	89	0.00	0.0	3.271	0.037	2	1	1	2
PL.341	PL.342	C	8 A (CWC)	7.36Y	122.6	0.00	2.38	0.00	0	0	0	100	0.00	0.0	3.335	0.065	0	0	0	1
PL.340	PL.341	C	8 A (CWC)	7.36Y	122.6	0.00	2.38	0.00	0	0	0	100	0.00	0.0	3.404	0.069	0	0	1	1
PL.62	PL.361	C	8 A (CWC)	7.40Y	123.3	0.01	1.69	4.39	4	31	10	95	0.00	0.0	2.447	0.031	19	6	2	4
PL.536	PL.62	C	#4 ACSR	7.40Y	123.3	0.00	1.69	1.72	1	12	4	95	0.00	0.0	2.466	0.020	0	0	0	2
PL.537	PL.536	C	#4 ACSR	7.40Y	123.3	0.00	1.69	1.72	1	12	4	95	0.00	0.0	2.489	0.023	12	4	2	2
PL.983	PL.338	A	#1/0 ACSR	7.41Y	123.5	0.00	1.54	4.98	2	35	11	95	0.00	0.0	2.333	0.004	0	0	0	6
PD.17	PL.983	A	40QA	7.41Y	123.5	0.00	1.54	4.98	12	35	11	95	0.00	0.0	2.333	0.004	0	0	0	6
PL.984	PD.17	A	#1/0 ACSR	7.41Y	123.5	0.00	1.54	4.98	2	35	11	95	0.00	0.0	2.360	0.028	0	0	0	6
PL.337	PL.984	A	#1/0 ACSR	7.41Y	123.5	0.00	1.55	4.98	2	35	11	95	0.00	0.0	2.382	0.022	35	11	6	6
PL.35	PL.338	ABC	336 MCM AC	7.41Y	123.5	0.01	1.55	25.37	5	537	171	95	0.02	0.0	2.366	0.038	0	0	0	79
PL.363	PL.35	ABC	336 MCM AC	7.41Y	123.4	0.03	1.58	24.61	5	521	166	95	0.09	0.0	2.536	0.170	0	0	0	76
PL.367	PL.363	ABC	336 MCM AC	7.40Y	123.4	0.03	1.61	24.42	5	517	164	95	0.08	0.0	2.695	0.159	10	3	1	75
PL.29	PL.367	ABC	336 MCM AC	7.40Y	123.4	0.01	1.62	23.23	4	492	156	95	0.02	0.0	2.732	0.038	0	0	0	71
PL.991	PL.29	A	#4 ACSR	7.40Y	123.4	0.00	1.62	3.32	3	23	7	96	0.00	0.0	2.737	0.005	0	0	0	2
PD.21	PL.991	A	40QA	7.40Y	123.4	0.00	1.62	3.32	8	23	7	96	0.00	0.0	2.737	0.005	0	0	0	2
PL.992	PD.21	A	#4 ACSR	7.40Y	123.4	0.00	1.62	3.32	3	23	7	96	0.00	0.0	2.754	0.017	23	7	2	2
PL.28	PL.29	ABC	336 MCM AC	7.40Y	123.4	0.01	1.63	22.12	4	468	149	95	0.02	0.0	2.779	0.047	12	4	2	69

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Balanced Voltage Drop Report
Source: Big Creek

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.993	PL.28	C	#1/0 ACSR	7.40Y	123.4	0.00	1.63	1.29	1	9	3	95	0.00	0.0	2.784	0.005	0	0	0	2
PD.22	PL.993	C	40QA	7.40Y	123.4	0.00	1.63	1.29	3	9	3	95	0.00	0.0	2.784	0.005	0	0	0	2
PL.994	PD.22	C	#1/0 ACSR	7.40Y	123.4	0.00	1.63	1.29	1	9	3	95	0.00	0.0	2.815	0.031	9	3	2	2
PL.371	PL.28	ABC	336 MCM AC	7.40Y	123.4	0.01	1.64	21.11	4	447	142	95	0.03	0.0	2.865	0.086	10	3	1	65
PL.27	PL.371	ABC	336 MCM AC	7.40Y	123.4	0.01	1.65	20.02	4	424	134	95	0.02	0.0	2.913	0.048	0	0	0	60
PL.374	PL.27	ABC	336 MCM AC	7.40Y	123.3	0.01	1.65	18.69	4	396	126	95	0.02	0.0	2.964	0.052	0	0	1	55
PL.373	PL.374	ABC	336 MCM AC	7.40Y	123.3	0.01	1.66	18.69	4	395	125	95	0.02	0.0	3.016	0.051	0	0	0	54
PL.31	PL.373	C	#1/0 ACSR	7.40Y	123.3	0.00	1.66	1.50	1	11	3	96	0.00	0.0	3.020	0.005	0	0	0	4
PD.86	PL.31	C	40QA	7.40Y	123.3	0.00	1.66	1.50	4	11	3	96	0.00	0.0	3.020	0.005	0	0	0	4
PL.252	PD.86	C	#1/0 ACSR	7.40Y	123.3	0.00	1.66	1.50	1	11	3	96	0.00	0.0	3.022	0.001	0	0	0	4
PL.103	PL.252	C	#1/0 ACSR	7.40Y	123.3	0.00	1.66	1.50	1	11	3	96	0.00	0.0	3.048	0.027	11	3	2	2
PL.271	PL.252	C	#1/0 ACSR	7.40Y	123.3	0.00	1.66	0.00	0	0	0	100	0.00	0.0	3.027	0.006	0	0	0	2
PL.32	PL.271	C	#1/0 ACSR	7.40Y	123.3	0.00	1.66	0.00	0	0	0	100	0.00	0.0	3.068	0.041	0	0	2	2
PL.30	PL.373	A	#1/0 ACSR	7.40Y	123.3	0.00	1.66	9.71	4	68	22	95	0.00	0.0	3.020	0.005	0	0	0	10
PD.25	PL.30	A	40QA	7.40Y	123.3	0.00	1.66	9.71	24	68	22	95	0.00	0.0	3.020	0.005	0	0	0	10
PL.253	PD.25	A	#1/0 ACSR	7.40Y	123.3	0.00	1.67	9.71	4	68	22	95	0.00	0.0	3.038	0.018	24	8	3	10
PL.33	PL.253	A	#1/0 ACSR	7.40Y	123.3	0.00	1.67	2.01	1	14	4	96	0.00	0.0	3.088	0.050	14	4	3	3
PL.375	PL.253	A	#4 ACSR	7.40Y	123.3	0.01	1.68	4.25	3	30	9	96	0.00	0.0	3.088	0.049	0	0	0	4
PL.376	PL.375	A	#4 ACSR	7.40Y	123.3	0.00	1.68	4.25	3	30	9	96	0.00	0.0	3.121	0.033	30	9	4	4
PL.26	PL.373	ABC	336 MCM AC	7.40Y	123.3	0.01	1.67	14.95	3	316	100	95	0.01	0.0	3.069	0.054	7	2	1	40
PL.1001	PL.26	ABC	336 MCM AC	7.40Y	123.3	0.00	1.67	13.76	3	291	92	95	0.01	0.0	3.116	0.047	0	0	1	38
PL.377	PL.1001	ABC	336 MCM AC	7.40Y	123.3	0.00	1.68	13.75	3	291	92	95	0.00	0.0	3.138	0.022	0	0	0	37
PL.1003	PL.377	A	#1/0 ACSR	7.40Y	123.3	0.00	1.68	3.58	2	25	8	95	0.00	0.0	3.143	0.005	0	0	0	2
PD.27	PL.1003	A	40QA	7.40Y	123.3	0.00	1.68	3.58	9	25	8	95	0.00	0.0	3.143	0.005	0	0	0	2
PL.1004	PD.27	A	#1/0 ACSR	7.40Y	123.3	0.00	1.68	3.58	2	25	8	95	0.00	0.0	3.162	0.019	25	8	2	2
PL.1121	PL.377	C	#4 ACSR	7.40Y	123.3	0.00	1.68	3.57	3	25	8	95	0.00	0.0	3.143	0.005	0	0	0	3
PD.85	PL.1121	C	40QA	7.40Y	123.3	0.00	1.68	3.57	9	25	8	95	0.00	0.0	3.143	0.005	0	0	0	3
PL.1122	PD.85	C	#4 ACSR	7.40Y	123.3	0.00	1.68	3.57	3	25	8	95	0.00	0.0	3.164	0.021	25	8	3	3
PL.378	PL.377	ABC	336 MCM AC	7.40Y	123.3	0.01	1.68	11.36	2	240	76	95	0.01	0.0	3.220	0.081	0	0	0	32
PL.1005	PL.378	C	#1/0 ACSR	7.40Y	123.3	0.00	1.68	2.39	1	17	5	96	0.00	0.0	3.224	0.005	0	0	0	1
PD.28	PL.1005	C	40QA	7.40Y	123.3	0.00	1.68	2.39	6	17	5	96	0.00	0.0	3.224	0.005	0	0	0	1

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Balanced Voltage Drop Report
Source: Big Creek

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.1006	PD.28	C	#1/0 ACSR	7.40Y	123.3	0.00	1.68	2.39	1	17	5	96	0.00	0.0	3.265	0.041	17	5	1	1
PL.380	PL.1006	C	#1/0 ACSR	7.40Y	123.3	0.00	1.68	0.00	0	0	0	100	0.00	0.0	3.313	0.047	0	0	0	0
PL.25	PL.378	ABC	336 MCM AC	7.40Y	123.3	0.01	1.69	10.56	2	224	71	95	0.01	0.0	3.283	0.063	10	3	1	31
PL.1007	PL.25	A	#1/0 ACSR	7.40Y	123.3	0.00	1.69	4.66	2	33	10	96	0.00	0.0	3.288	0.005	0	0	0	4
PD.29	PL.1007	A	40QA	7.40Y	123.3	0.00	1.69	4.66	12	33	10	96	0.00	0.0	3.288	0.005	0	0	0	4
PL.1008	PD.29	A	#1/0 ACSR	7.40Y	123.3	0.00	1.69	4.66	2	33	10	96	0.00	0.0	3.296	0.009	0	0	0	4
PL.382	PL.1008	A	#1/0 ACSR	7.40Y	123.3	0.00	1.69	4.66	2	33	10	96	0.00	0.0	3.310	0.014	23	7	3	4
PL.381	PL.382	A	#1/0 ACSR	7.40Y	123.3	0.00	1.69	1.46	1	10	3	96	0.00	0.0	3.335	0.024	10	3	1	1
PL.24	PL.25	ABC	336 MCM AC	7.40Y	123.3	0.00	1.69	8.54	2	181	57	95	0.00	0.0	3.327	0.044	0	0	0	26
PL.1009	PL.24	A	#1/0 ACSR	7.40Y	123.3	0.00	1.69	3.16	1	22	7	95	0.00	0.0	3.332	0.005	0	0	0	4
PD.30	PL.1009	A	40QA	7.40Y	123.3	0.00	1.69	3.16	8	22	7	95	0.00	0.0	3.332	0.005	0	0	0	4
PL.1010	PD.30	A	#1/0 ACSR	7.40Y	123.3	0.00	1.69	3.16	1	22	7	95	0.00	0.0	3.342	0.010	22	7	4	4
PL.1119	PL.24	C	#1/0 ACSR	7.40Y	123.3	0.00	1.69	1.25	1	9	3	95	0.00	0.0	3.332	0.005	0	0	0	1
PD.84	PL.1119	C	40QA	7.40Y	123.3	0.00	1.69	1.25	3	9	3	95	0.00	0.0	3.332	0.005	0	0	0	1
PL.1120	PD.84	C	#1/0 ACSR	7.40Y	123.3	0.00	1.69	1.25	1	9	3	95	0.00	0.0	3.346	0.014	0	0	0	1
PL.383	PL.1120	C	#1/0 ACSR	7.40Y	123.3	0.00	1.69	1.25	1	9	3	95	0.00	0.0	3.440	0.094	9	3	1	1
PL.23	PL.24	ABC	336 MCM AC	7.40Y	123.3	0.00	1.69	7.07	1	150	47	95	0.00	0.0	3.379	0.051	0	0	0	21
PL.1181	PL.23	C	#2 ACSR	7.40Y	123.3	0.00	1.69	1.48	1	10	3	96	0.00	0.0	3.383	0.005	0	0	0	1
PD.119	PL.1181	C	40QA	7.40Y	123.3	0.00	1.69	1.48	4	10	3	96	0.00	0.0	3.383	0.005	0	0	0	1
PL.1182	PD.119	C	#2 ACSR	7.40Y	123.3	0.00	1.69	1.48	1	10	3	96	0.00	0.0	3.391	0.008	10	3	1	1
PL.22	PL.23	ABC	336 MCM AC	7.40Y	123.3	0.00	1.70	6.38	1	135	43	95	0.00	0.0	3.433	0.055	5	2	1	18
PL.21	PL.22	ABC	336 MCM AC	7.40Y	123.3	0.00	1.70	6.15	1	130	41	95	0.00	0.0	3.485	0.052	0	0	0	17
PL.1117	PL.21	C	#1/0 ACSR	7.40Y	123.3	0.00	1.70	2.54	1	18	6	95	0.00	0.0	3.490	0.005	0	0	0	2
PD.83	PL.1117	C	40QA	7.40Y	123.3	0.00	1.70	2.54	6	18	6	95	0.00	0.0	3.490	0.005	0	0	0	2
PL.1118	PD.83	C	#1/0 ACSR	7.40Y	123.3	0.00	1.70	2.54	1	18	6	95	0.00	0.0	3.500	0.010	18	6	2	2
PL.386	PL.21	ABC	336 MCM AC	7.40Y	123.3	0.00	1.70	3.48	1	74	23	95	0.00	0.0	3.592	0.107	11	4	2	10
PL.394	PL.386	ABC	336 MCM AC	7.40Y	123.3	0.00	1.70	2.96	1	63	20	95	0.00	0.0	3.705	0.113	15	5	2	8
PL.393	PL.394	ABC	336 MCM AC	7.40Y	123.3	0.00	1.70	2.24	0	47	15	95	0.00	0.0	3.746	0.041	0	0	0	6
PL.392	PL.393	ABC	336 MCM AC	7.40Y	123.3	0.00	1.71	2.24	0	47	15	95	0.00	0.0	3.800	0.054	8	3	1	6
PL.390	PL.392	ABC	336 MCM AC	7.40Y	123.3	0.00	1.71	1.87	0	39	13	95	0.00	0.0	3.876	0.076	6	2	1	5
PL.388	PL.390	ABC	336 MCM AC	7.40Y	123.3	0.00	1.71	1.59	0	34	11	95	0.00	0.0	3.958	0.082	11	4	2	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: Big Creek

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.1015	PL.388	A	#1/0 ACSR	7.40Y	123.3	0.00	1.71	1.65	1	12	4	95	0.00	0.0	3.963	0.005	0	0	0	1
PD.33	PL.1015	A	15QA	7.40Y	123.3	0.00	1.71	1.65	0	12	4	95	0.00	0.0	3.963	0.005	0	0	0	1
PL.1016	PD.33	A	#1/0 ACSR	7.40Y	123.3	0.00	1.71	1.65	1	12	4	95	0.00	0.0	4.060	0.097	12	4	1	1
PL.1179	PL.388	C	#2 ACSR	7.40Y	123.3	0.00	1.71	1.53	1	11	3	96	0.00	0.0	3.963	0.005	0	0	0	1
PD.118	PL.1179	C	20T	7.40Y	123.3	0.00	1.71	1.53	0	11	3	96	0.00	0.0	3.963	0.005	0	0	0	1
PL.1180	PD.118	C	#2 ACSR	7.40Y	123.3	0.02	1.72	1.53	1	11	3	96	0.00	0.0	4.275	0.312	0	0	0	1
PL.402	PL.1180	C	#2 ACSR	7.40Y	123.3	0.01	1.73	1.53	1	11	3	96	0.00	0.0	4.609	0.334	11	3	1	1
PL.61	PL.402	C	#2 ACSR	7.40Y	123.3	0.00	1.73	0.00	0	0	0	100	0.00	0.0	4.651	0.042	0	0	0	0
PL.1268	PL.388	ABC	336 MCM AC	7.40Y	123.3	0.00	1.71	0.00	0	0	0	100	0.00	0.0	3.986	0.028	0	0	0	0
PD.147-B	PL.1268	ABC	Open	7.40Y	123.3	0.00	1.71	0.00	0	0	0	100	0.00	0.0	3.986	0.028	0	0	0	0
PL.1013	PL.21	A	#1/0 ACSR	7.40Y	123.3	0.00	1.70	5.46	2	38	12	95	0.00	0.0	3.490	0.005	0	0	0	5
PD.32	PL.1013	A	40QA	7.40Y	123.3	0.00	1.70	5.46	14	38	12	95	0.00	0.0	3.490	0.005	0	0	0	5
PL.1014	PD.32	A	#1/0 ACSR	7.40Y	123.3	0.00	1.70	5.46	2	38	12	95	0.00	0.0	3.521	0.031	0	0	0	5
PL.384	PL.1014	A	6 A (CWC)	7.40Y	123.3	0.00	1.71	5.46	4	38	12	95	0.00	0.0	3.546	0.025	38	12	5	5
PL.1011	PL.23	A	#1/0 ACSR	7.40Y	123.3	0.00	1.69	0.59	0	4	1	97	0.00	0.0	3.383	0.005	0	0	0	2
PD.31	PL.1011	A	40QA	7.40Y	123.3	0.00	1.69	0.59	1	4	1	97	0.00	0.0	3.383	0.005	0	0	0	2
PL.1012	PD.31	A	#1/0 ACSR	7.40Y	123.3	0.00	1.69	0.59	0	4	1	97	0.00	0.0	3.422	0.038	4	1	2	2
PL.999	PL.26	C	#1/0 ACSR	7.40Y	123.3	0.00	1.67	2.55	1	18	6	95	0.00	0.0	3.074	0.005	0	0	0	1
PD.26	PL.999	C	40QA	7.40Y	123.3	0.00	1.67	2.55	6	18	6	95	0.00	0.0	3.074	0.005	0	0	0	1
PL.1000	PD.26	C	#1/0 ACSR	7.40Y	123.3	0.00	1.67	2.55	1	18	6	95	0.00	0.0	3.097	0.023	18	6	1	1
PL.997	PL.27	C	#1/0 ACSR	7.40Y	123.4	0.00	1.65	3.21	1	23	7	96	0.00	0.0	2.917	0.005	0	0	0	3
PD.24	PL.997	C	40QA	7.40Y	123.4	0.00	1.65	3.21	8	23	7	96	0.00	0.0	2.917	0.005	0	0	0	3
PL.998	PD.24	C	#1/0 ACSR	7.40Y	123.4	0.00	1.65	3.21	1	23	7	96	0.00	0.0	2.939	0.022	23	7	3	3
PL.1125	PL.27	A	#1/0 ACSR	7.40Y	123.4	0.00	1.65	0.77	0	5	2	93	0.00	0.0	2.917	0.005	0	0	0	2
PD.88	PL.1125	A	40QA	7.40Y	123.4	0.00	1.65	0.77	2	5	2	93	0.00	0.0	2.917	0.005	0	0	0	2
PL.1126	PD.88	A	#1/0 ACSR	7.40Y	123.4	0.00	1.65	0.77	0	5	2	93	0.00	0.0	2.931	0.013	5	2	2	2
PL.1123	PL.371	A	#1/0 ACSR	7.40Y	123.4	0.00	1.64	1.00	0	7	2	96	0.00	0.0	2.869	0.005	0	0	0	2
PD.87	PL.1123	A	40QA	7.40Y	123.4	0.00	1.64	1.00	3	7	2	96	0.00	0.0	2.869	0.005	0	0	0	2
PL.1124	PD.87	A	#1/0 ACSR	7.40Y	123.4	0.00	1.64	1.00	0	7	2	96	0.00	0.0	2.893	0.023	7	2	2	2
PL.995	PL.371	C	#1/0 ACSR	7.40Y	123.4	0.00	1.64	0.85	0	6	2	95	0.00	0.0	2.869	0.005	0	0	0	2
PD.23	PL.995	C	40QA	7.40Y	123.4	0.00	1.64	0.85	2	6	2	95	0.00	0.0	2.869	0.005	0	0	0	2

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Balanced Voltage Drop Report
Source: Big Creek

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.996	PD.23	C	#1/0 ACSR	7.40Y	123.4	0.00	1.64	0.85	0	6	2	95	0.00	0.0	2.918	0.049	6	2	2	2
PL.989	PL.367	A	#1/0 ACSR	7.40Y	123.4	0.00	1.61	2.20	1	16	5	95	0.00	0.0	2.699	0.004	0	0	0	3
PD.20	PL.989	A	10T	7.40Y	123.4	0.00	1.61	2.20	0	16	5	95	0.00	0.0	2.699	0.004	0	0	0	3
PL.990	PD.20	A	#1/0 ACSR	7.40Y	123.4	0.00	1.61	2.20	1	16	5	95	0.00	0.0	2.788	0.089	16	5	3	3
PL.987	PL.363	A	#1/0 ACSR	7.41Y	123.4	0.00	1.58	0.55	0	4	1	97	0.00	0.0	2.540	0.005	0	0	0	1
PD.19	PL.987	A	10T	7.41Y	123.4	0.00	1.58	0.55	0	4	1	97	0.00	0.0	2.540	0.005	0	0	0	1
PL.988	PD.19	A	#1/0 ACSR	7.41Y	123.4	0.00	1.58	0.55	0	4	1	97	0.00	0.0	2.572	0.032	4	1	1	1
PL.1041	PL.35	A	#2 ACSR	7.41Y	123.5	0.00	1.55	2.28	1	16	5	95	0.00	0.0	2.370	0.005	0	0	0	3
PD.45	PL.1041	A	40QA	7.41Y	123.5	0.00	1.55	2.28	6	16	5	95	0.00	0.0	2.370	0.005	0	0	0	3
PL.1042	PD.45	A	#2 ACSR	7.41Y	123.5	0.00	1.55	2.28	1	16	5	95	0.00	0.0	2.396	0.025	16	5	3	3
PL.981	PL.334	C	#1/0 ACSR	7.41Y	123.5	0.00	1.52	3.37	1	24	8	95	0.00	0.0	2.268	0.005	0	0	0	5
PD.16	PL.981	C	40QA	7.41Y	123.5	0.00	1.52	3.37	8	24	8	95	0.00	0.0	2.268	0.005	0	0	0	5
PL.982	PD.16	C	#1/0 ACSR	7.41Y	123.5	0.00	1.52	3.37	1	24	8	95	0.00	0.0	2.296	0.028	24	8	3	5
PL.336	PL.982	C	#1/0 ACSR	7.41Y	123.5	0.00	1.52	0.01	0	0	0	100	0.00	0.0	2.328	0.032	0	0	2	2
PL.979	PL.331	A	#1/0 ACSR	7.41Y	123.5	0.00	1.49	1.41	1	10	3	96	0.00	0.0	2.160	0.005	0	0	0	2
PD.15	PL.979	A	40QA	7.41Y	123.5	0.00	1.49	1.41	4	10	3	96	0.00	0.0	2.160	0.005	0	0	0	2
PL.980	PD.15	A	#1/0 ACSR	7.41Y	123.5	0.00	1.49	1.41	1	10	3	96	0.00	0.0	2.187	0.026	10	3	2	2
PL.7249	PL.903	C	#2 ACSR	7.41Y	123.5	0.00	1.45	2.36	1	17	5	96	0.00	0.0	2.056	0.002	0	0	0	1
PD.1567	PL.7249	C	12T	7.41Y	123.5	0.00	1.45	2.36	0	17	5	96	0.00	0.0	2.056	0.002	0	0	0	1
PL.7250	PD.1567	C	#2 ACSR	7.41Y	123.5	0.00	1.45	2.36	1	17	5	96	0.00	0.0	2.072	0.016	17	5	1	1
PL.975	PL.1189	A	#1/0 ACSR	7.42Y	123.6	0.00	1.42	0.01	0	0	0	100	0.00	0.0	1.966	0.005	0	0	0	4
PD.13	PL.975	A	40QA	7.42Y	123.6	0.00	1.42	0.01	0	0	0	100	0.00	0.0	1.966	0.005	0	0	0	4
PL.976	PD.13	A	#1/0 ACSR	7.42Y	123.6	0.00	1.42	0.01	0	0	0	100	0.00	0.0	1.987	0.022	0	0	4	4
PL.967	PL.901	A	#1/0 ACSR	7.42Y	123.7	0.00	1.27	1.09	0	8	2	97	0.00	0.0	1.630	0.003	0	0	0	2
PD.9	PL.967	A	40QA	7.42Y	123.7	0.00	1.27	1.09	3	8	2	97	0.00	0.0	1.630	0.003	0	0	0	2
PL.968	PD.9	A	#1/0 ACSR	7.42Y	123.7	0.00	1.27	1.09	0	8	2	97	0.00	0.0	1.633	0.003	8	2	2	2
PL.12	PL.11	C	#1/0 ACSR	7.43Y	123.8	0.00	1.20	1.47	1	10	3	96	0.00	0.0	1.505	0.030	10	3	1	2
PL.1275	PL.12	C	#1/0 ACSR	7.43Y	123.8	0.00	1.20	0.00	0	0	0	100	0.00	0.0	1.543	0.038	0	0	1	1
PL.1193	PL.10	C	#1/0 ACSR	7.43Y	123.8	0.00	1.19	0.20	0	1	0	100	0.00	0.0	1.439	0.005	0	0	0	1
PD.125	PL.1193	C	40QA	7.43Y	123.8	0.00	1.19	0.20	1	1	0	100	0.00	0.0	1.439	0.005	0	0	0	1
PL.1194	PD.125	C	#1/0 ACSR	7.43Y	123.8	0.00	1.19	0.20	0	1	0	100	0.00	0.0	1.479	0.040	1	0	1	1

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Balanced Voltage Drop Report
Source: Big Creek

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.957	PL.302	C	#1/0 ACSR	7.44Y	124.1	0.00	0.94	1.68	1	12	4	95	0.00	0.0	0.976	0.005	0	0	0	1
PD.4	PL.957	C	40QA	7.44Y	124.1	0.00	0.94	1.68	4	12	4	95	0.00	0.0	0.976	0.005	0	0	0	1
PL.958	PD.4	C	#1/0 ACSR	7.44Y	124.1	0.00	0.95	1.68	1	12	4	95	0.00	0.0	0.984	0.008	0	0	0	1
PL.42	PL.958	C	6 A (CWC)	7.44Y	124.1	0.00	0.95	1.68	1	12	4	95	0.00	0.0	1.011	0.028	12	4	1	1
PL.43	PL.314	ABC	336 MCM AC	7.45Y	124.1	0.02	0.91	55.87	11	1185	391	95	0.12	0.0	0.923	0.049	44	14	2	271
PL.955	PL.43	C	#1/0 ACSR	7.45Y	124.1	0.00	0.91	0.46	0	3	1	95	0.00	0.0	0.927	0.004	0	0	0	2
PD.3	PL.955	C	40QA	7.45Y	124.1	0.00	0.91	0.46	1	3	1	95	0.00	0.0	0.927	0.004	0	0	0	2
PL.956	PD.3	C	#1/0 ACSR	7.45Y	124.1	0.00	0.91	0.46	0	3	1	95	0.00	0.0	0.949	0.022	3	1	2	2
PL.44	PL.43	ABC	#1/0 ACSR	7.44Y	123.9	0.14	1.06	53.63	23	1137	375	95	1.09	0.1	1.066	0.144	9	3	1	267
PL.104	PL.44	ABC	#1/0 ACSR	7.43Y	123.9	0.06	1.11	53.21	23	1128	372	95	0.42	0.0	1.122	0.056	0	0	0	266
PL.1381	PL.104	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.11	53.21	23	1127	371	95	0.02	0.0	1.125	0.003	0	0	0	266
PD.198	PL.1381	ABC	100L	7.43Y	123.9	0.00	1.11	53.21	53	1127	371	95	0.00	0.0	1.125	0.003	0	0	0	266
PL.1382	PD.198	ABC	#1/0 ACSR	7.43Y	123.9	0.02	1.13	53.21	23	1127	371	95	0.15	0.0	1.146	0.020	25	8	4	266
PL.582	PL.1382	ABC	#1/0 ACSR	7.42Y	123.7	0.13	1.26	52.04	23	1102	363	95	0.95	0.1	1.277	0.131	0	0	0	262
PL.580	PL.582	ABC	#1/0 ACSR	7.42Y	123.7	0.06	1.32	51.17	22	1083	356	95	0.43	0.0	1.340	0.063	30	9	5	259
PL.581	PL.580	ABC	#1/0 ACSR	7.42Y	123.6	0.09	1.41	49.78	22	1053	347	95	0.63	0.1	1.435	0.096	8	3	1	254
PL.1047	PL.581	C	8 A (CWC)	7.42Y	123.6	0.00	1.41	4.51	5	32	10	95	0.00	0.0	1.440	0.005	0	0	0	4
PD.48	PL.1047	C	12T	7.42Y	123.6	0.00	1.41	4.51	0	32	10	95	0.00	0.0	1.440	0.005	0	0	0	4
PL.1048	PD.48	C	8 A (CWC)	7.41Y	123.6	0.01	1.42	4.51	5	32	10	95	0.00	0.0	1.508	0.068	32	10	4	4
PL.261	PL.581	ABC	#1/0 ACSR	7.41Y	123.5	0.08	1.49	47.87	21	1012	333	95	0.57	0.1	1.528	0.093	0	0	0	249
PL.262	PL.261	ABC	#1/0 ACSR	7.41Y	123.5	0.06	1.55	47.62	21	1006	331	95	0.41	0.0	1.596	0.068	0	0	0	248
PL.1089	PL.262	C	6 A (CWC)	7.41Y	123.5	0.00	1.55	0.20	0	1	0	100	0.00	0.0	1.600	0.005	0	0	0	1
PD.70	PL.1089	C	40QA	7.41Y	123.5	0.00	1.55	0.20	1	1	0	100	0.00	0.0	1.600	0.005	0	0	0	1
PL.1090	PD.70	C	6 A (CWC)	7.41Y	123.5	0.00	1.55	0.20	0	1	0	100	0.00	0.0	1.663	0.063	1	0	1	1
PL.782	PL.262	ABC	#1/0 ACSR	7.40Y	123.4	0.08	1.63	47.22	21	997	328	95	0.53	0.1	1.685	0.089	7	2	2	246
PL.106	PL.782	ABC	#1/0 ACSR	7.40Y	123.3	0.04	1.67	46.89	20	989	325	95	0.28	0.0	1.734	0.049	4	1	1	244
PL.265	PL.106	ABC	#1/0 ACSR	7.40Y	123.3	0.03	1.70	46.70	20	985	324	95	0.22	0.0	1.771	0.037	0	0	0	243
PL.780	PL.265	ABC	#1/0 ACSR	7.39Y	123.2	0.08	1.78	46.21	20	974	320	95	0.53	0.1	1.864	0.093	0	0	0	242
PL.107	PL.780	ABC	#1/0 ACSR	7.39Y	123.2	0.06	1.84	46.21	20	974	319	95	0.40	0.0	1.934	0.070	3	1	1	242
PL.778	PL.107	ABC	#1/0 ACSR	7.38Y	123.0	0.12	1.96	46.05	20	970	318	95	0.79	0.1	2.074	0.140	0	0	0	241
PL.267	PL.778	ABC	#1/0 ACSR	7.38Y	123.0	0.09	2.04	40.11	17	844	277	95	0.50	0.1	2.190	0.116	0	0	0	223

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Balanced Voltage Drop Report
Source: Big Creek

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.775	PL.267	ABC	#1/0 ACSR	7.37Y	122.8	0.11	2.15	39.93	17	840	276	95	0.63	0.1	2.338	0.148	0	0	0	221
PL.110	PL.775	ABC	#1/0 ACSR	7.36Y	122.6	0.21	2.37	39.93	17	839	275	95	1.22	0.1	2.626	0.288	0	0	0	221
PL.114	PL.110	ABC	#1/0 ACSR	7.34Y	122.4	0.22	2.58	32.90	14	690	227	95	1.04	0.2	2.987	0.361	0	0	0	188
PL.645	PL.114	ABC	#1/0 ACSR	7.33Y	122.1	0.31	2.90	32.87	14	688	226	95	1.48	0.2	3.502	0.515	0	0	0	186
PL.647	PL.645	ABC	#1/0 ACSR	7.31Y	121.8	0.27	3.17	32.87	14	687	224	95	1.27	0.2	3.946	0.444	2	1	3	186
PL.928	PL.647	ABC	#1/0 ACSR	7.28Y	121.3	0.49	3.66	32.79	14	684	222	95	2.32	0.3	4.756	0.810	0	0	0	183
PL.627	PL.928	ABC	#1/0 ACSR	7.28Y	121.3	0.09	3.74	32.79	14	682	220	95	0.41	0.1	4.899	0.143	5	2	1	183
PL.630	PL.627	ABC	#1/0 ACSR	7.26Y	121.0	0.26	4.00	32.55	14	676	218	95	1.21	0.2	5.329	0.430	0	0	0	182
PL.747	PL.630	ABC	#1/0 ACSR	7.26Y	120.9	0.05	4.05	32.18	14	667	215	95	0.25	0.0	5.421	0.091	0	0	0	181
PL.748	PL.747	ABC	#1/0 ACSR	7.25Y	120.9	0.05	4.11	32.18	14	667	214	95	0.24	0.0	5.507	0.087	0	0	0	181
PL.275	PL.748	ABC	#1/0 ACSR	7.25Y	120.8	0.05	4.15	29.30	13	607	195	95	0.20	0.0	5.594	0.086	0	0	0	168
PL.1077	PL.275	C	6 A (CWC)	7.25Y	120.8	0.00	4.15	0.28	0	2	1	89	0.00	0.0	5.598	0.005	0	0	0	1
PD.64	PL.1077	C	40QA	7.25Y	120.8	0.00	4.15	0.28	1	2	1	89	0.00	0.0	5.598	0.005	0	0	0	1
PL.1078	PD.64	C	6 A (CWC)	7.25Y	120.8	0.00	4.15	0.28	0	2	1	89	0.00	0.0	5.671	0.073	0	0	0	1
PL.168	PL.1078	C	#1/0 ACSR	7.25Y	120.8	0.00	4.15	0.28	0	2	1	89	0.00	0.0	5.703	0.032	2	1	1	1
PL.276	PL.275	ABC	#1/0 ACSR	7.25Y	120.8	0.09	4.24	29.21	13	605	194	95	0.38	0.1	5.762	0.168	4	1	2	167
PL.170	PL.276	ABC	#1/0 ACSR	7.24Y	120.7	0.03	4.27	28.99	13	600	193	95	0.13	0.0	5.819	0.056	3	1	1	165
PL.708	PL.170	ABC	#1/0 ACSR	7.24Y	120.7	0.05	4.32	27.53	12	570	183	95	0.18	0.0	5.908	0.090	2	1	1	158
PL.174	PL.708	ABC	#1/0 ACSR	7.24Y	120.7	0.03	4.35	27.42	12	567	182	95	0.12	0.0	5.971	0.063	5	2	2	157
PL.277	PL.174	ABC	#1/0 ACSR	7.24Y	120.6	0.03	4.38	27.15	12	562	180	95	0.13	0.0	6.036	0.065	8	3	1	155
PL.278	PL.277	ABC	#1/0 ACSR	7.23Y	120.6	0.04	4.43	26.30	11	544	174	95	0.17	0.0	6.128	0.092	1	0	1	151
PL.721	PL.278	ABC	#1/0 ACSR	7.23Y	120.5	0.06	4.49	25.60	11	529	170	95	0.23	0.0	6.260	0.132	9	3	3	148
PL.175	PL.721	ABC	#1/0 ACSR	7.23Y	120.5	0.03	4.52	25.17	11	520	167	95	0.11	0.0	6.327	0.067	12	4	1	145
PL.719	PL.175	ABC	#1/0 ACSR	7.23Y	120.4	0.05	4.57	24.59	11	508	163	95	0.19	0.0	6.448	0.121	0	0	0	144
PL.281	PL.719	ABC	#1/0 ACSR	7.22Y	120.4	0.05	4.63	24.49	11	506	162	95	0.19	0.0	6.569	0.121	11	3	3	143
PL.178	PL.281	ABC	#1/0 ACSR	7.22Y	120.3	0.03	4.66	23.97	10	495	158	95	0.12	0.0	6.644	0.075	0	0	0	140
PL.179	PL.178	ABC	#1/0 ACSR	7.21Y	120.1	0.21	4.87	22.61	10	466	149	95	0.67	0.1	7.139	0.494	0	0	0	131
PL.705	PL.179	ABC	#1/0 ACSR	7.20Y	120.1	0.06	4.93	17.44	8	359	115	95	0.15	0.0	7.329	0.191	0	0	1	95
PL.190	PL.705	ABC	#1/0 ACSR	7.20Y	120.0	0.02	4.95	17.44	8	359	115	95	0.06	0.0	7.402	0.072	0	0	0	94
PL.1065	PL.190	A	#2 ACSR	7.20Y	120.0	0.00	4.95	0.58	0	4	1	97	0.00	0.0	7.406	0.005	0	0	0	1
PD.57	PL.1065	A	40QA	7.20Y	120.0	0.00	4.95	0.58	1	4	1	97	0.00	0.0	7.406	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: Big Creek

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.1066	PD.57	A	#2 ACSR	7.20Y	120.0	0.00	4.95	0.58	0	4	1	97	0.00	0.0	7.574	0.168	4	1	1	1
PL.191	PL.190	ABC	#1/0 ACSR	7.20Y	120.0	0.01	4.97	17.25	7	355	113	95	0.03	0.0	7.445	0.043	3	1	1	93
PL.702	PL.191	ABC	#1/0 ACSR	7.20Y	120.0	0.05	5.01	17.08	7	352	112	95	0.12	0.0	7.604	0.158	0	0	0	92
PL.1067	PL.702	A	#1/0 ACSR	7.20Y	120.0	0.00	5.01	0.29	0	2	1	89	0.00	0.0	7.608	0.005	0	0	0	1
PD.58	PL.1067	A	40QA	7.20Y	120.0	0.00	5.01	0.29	1	2	1	89	0.00	0.0	7.608	0.005	0	0	0	1
PL.1068	PD.58	A	#1/0 ACSR	7.20Y	120.0	0.00	5.02	0.29	0	2	1	89	0.00	0.0	7.637	0.028	0	0	0	1
PL.701	PL.1068	A	#1/0 ACSR	7.20Y	120.0	0.00	5.02	0.29	0	2	1	89	0.00	0.0	7.661	0.024	2	1	1	1
PL.205	PL.702	ABC	#1/0 ACSR	7.19Y	119.9	0.07	5.09	16.99	7	350	111	95	0.18	0.1	7.842	0.239	1	0	1	91
PL.10170	PL.205	ABC	#1/0 ACSR	7.19Y	119.9	0.02	5.11	16.74	7	344	110	95	0.05	0.0	7.907	0.064	2	1	1	88
PL.10171	PL.10170	ABC	#1/0 ACSR	7.19Y	119.9	0.03	5.14	16.66	7	343	109	95	0.08	0.0	8.016	0.109	3	1	1	87
PL.1051	PL.10171	A	#1/0 ACSR	7.19Y	119.9	0.00	5.14	0.00	0	0	0	100	0.00	0.0	8.020	0.005	0	0	0	0
PD.50	PL.1051	A	40QA	7.19Y	119.9	0.00	5.14	0.00	0	0	0	100	0.00	0.0	8.020	0.005	0	0	0	0
PL.1052	PD.50	A	#1/0 ACSR	7.19Y	119.9	0.00	5.14	0.00	0	0	0	100	0.00	0.0	8.120	0.099	0	0	0	0
PL.207	PL.10171	ABC	#1/0 ACSR	7.19Y	119.8	0.03	5.17	16.51	7	339	108	95	0.08	0.0	8.123	0.107	6	2	1	86
PL.208	PL.207	ABC	#1/0 ACSR	7.19Y	119.8	0.01	5.18	16.20	7	333	106	95	0.02	0.0	8.145	0.022	4	1	1	85
PL.210	PL.208	ABC	#1/0 ACSR	7.19Y	119.8	0.05	5.23	13.32	6	274	87	95	0.09	0.0	8.332	0.187	0	0	0	68
PL.1059	PL.210	A	#1/0 ACSR	7.19Y	119.8	0.00	5.23	0.05	0	0	0	100	0.00	0.0	8.336	0.004	0	0	0	1
PD.54	PL.1059	A	40QA	7.19Y	119.8	0.00	5.23	0.05	0	0	0	100	0.00	0.0	8.336	0.004	0	0	0	1
PL.1060	PD.54	A	#1/0 ACSR	7.19Y	119.8	0.00	5.23	0.05	0	0	0	100	0.00	0.0	8.385	0.049	0	0	0	1
PL.672	PL.1060	A	#1/0 ACSR	7.19Y	119.8	0.00	5.23	0.05	0	0	0	100	0.00	0.0	8.468	0.083	0	0	1	1
PL.670	PL.210	ABC	#1/0 ACSR	7.18Y	119.7	0.03	5.25	13.30	6	273	87	95	0.05	0.0	8.438	0.106	0	0	1	67
PL.671	PL.670	ABC	#1/0 ACSR	7.18Y	119.7	0.01	5.27	13.29	6	273	87	95	0.03	0.0	8.497	0.059	0	0	0	66
PL.1057	PL.671	A	6 A (CWC)	7.18Y	119.7	0.00	5.27	0.08	0	1	0	100	0.00	0.0	8.502	0.004	0	0	0	1
PD.53	PL.1057	A	40QA	7.18Y	119.7	0.00	5.27	0.08	0	1	0	100	0.00	0.0	8.502	0.004	0	0	0	1
PL.1058	PD.53	A	6 A (CWC)	7.18Y	119.7	0.00	5.27	0.08	0	1	0	100	0.00	0.0	8.584	0.082	0	0	0	1
PL.211	PL.1058	A	6 A (CWC)	7.18Y	119.7	0.00	5.27	0.08	0	1	0	100	0.00	0.0	8.651	0.067	1	0	1	1
PL.668	PL.671	ABC	#1/0 ACSR	7.18Y	119.7	0.04	5.30	13.26	6	272	87	95	0.07	0.0	8.648	0.151	0	0	0	65
PL.929	PL.668	ABC	#1/0 ACSR	7.18Y	119.7	0.02	5.32	13.23	6	272	86	95	0.04	0.0	8.728	0.079	4	1	2	64
PL.1387	PL.929	ABC	#1/0 ACSR	7.18Y	119.7	0.00	5.32	13.02	6	267	85	95	0.00	0.0	8.731	0.003	0	0	0	62
PD.203-A	PL.1387	ABC	Closed	7.18Y	119.7	0.00	5.32	13.02	0	267	85	95	0.00	0.0	8.731	0.003	0	0	0	62
PD.203-B	PD.203-A	ABC	Closed	7.18Y	119.7	0.00	5.32	13.02	0	267	85	95	0.00	0.0	8.731	0.003	0	0	0	62

KEY-> 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: Big Creek

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.3383	PD.203-B	ABC	#1/0 ACSR	7.18Y	119.7	0.00	5.33	13.02	6	267	85	95	0.00	0.0	8.739	0.008	9	3	2	62
PL.3382	PL.3383	ABC	#1/0 ACSR	7.18Y	119.7	0.01	5.33	12.58	5	258	82	95	0.02	0.0	8.775	0.036	0	0	0	60
PL.2789	PL.3382	A	6 A (CWC)	7.18Y	119.6	0.04	5.37	5.71	4	39	12	96	0.01	0.0	8.926	0.151	3	1	2	12
PL.3599	PL.2789	A	6 A (CWC)	7.18Y	119.6	0.00	5.37	5.34	4	37	12	95	0.00	0.0	8.928	0.003	0	0	0	10
PD.434	PL.3599	A	35H	7.18Y	119.6	0.00	5.37	5.34	15	37	12	95	0.00	0.0	8.928	0.003	0	0	0	10
PL.3600	PD.434	A	6 A (CWC)	7.18Y	119.6	0.02	5.39	5.34	4	37	12	95	0.01	0.0	9.013	0.085	0	0	0	10
PL.2814	PL.3600	A	6 A (CWC)	7.17Y	119.5	0.06	5.46	5.34	4	37	12	95	0.02	0.0	9.259	0.246	0	0	0	10
PL.2979	PL.2814	A	6 A (CWC)	7.17Y	119.5	0.04	5.49	5.34	4	37	12	95	0.01	0.0	9.413	0.155	0	0	0	10
PL.3061	PL.2979	A	6 A (CWC)	7.17Y	119.5	0.03	5.52	5.34	4	37	12	95	0.01	0.0	9.522	0.108	0	0	0	10
PL.2980	PL.3061	A	6 A (CWC)	7.17Y	119.4	0.04	5.56	5.34	4	37	12	95	0.01	0.0	9.674	0.152	0	0	0	10
PL.2981	PL.2980	A	6 A (CWC)	7.17Y	119.4	0.02	5.58	5.34	4	36	12	95	0.01	0.0	9.761	0.087	0	0	0	10
PL.2982	PL.2981	A	6 A (CWC)	7.16Y	119.4	0.03	5.60	5.34	4	36	12	95	0.01	0.0	9.865	0.104	0	0	0	10
PL.2983	PL.2982	A	6 A (CWC)	7.16Y	119.4	0.03	5.63	5.34	4	36	12	95	0.01	0.0	9.978	0.113	0	0	0	10
PL.2984	PL.2983	A	6 A (CWC)	7.16Y	119.3	0.04	5.67	5.34	4	36	12	95	0.01	0.0	10.120	0.143	0	0	0	10
PL.3384	PL.2984	A	6 A (CWC)	7.16Y	119.3	0.02	5.69	5.34	4	36	12	95	0.01	0.0	10.194	0.074	0	0	0	10
PL.3385	PL.3384	A	6 A (CWC)	7.16Y	119.3	0.01	5.70	5.34	4	36	12	95	0.00	0.0	10.253	0.058	0	0	0	10
PL.3367	PL.3385	A	6 A (CWC)	7.16Y	119.3	0.01	5.71	1.51	1	10	3	96	0.00	0.0	10.356	0.104	3	1	1	5
PL.3368	PL.3367	A	6 A (CWC)	7.16Y	119.3	0.00	5.71	1.03	1	7	2	96	0.00	0.0	10.416	0.059	2	1	1	4
PL.3369	PL.3368	A	6 A (CWC)	7.16Y	119.3	0.00	5.71	0.76	1	5	2	93	0.00	0.0	10.452	0.037	0	0	1	3
PL.3370	PL.3369	A	6 A (CWC)	7.16Y	119.3	0.00	5.71	0.74	1	5	2	93	0.00	0.0	10.564	0.111	5	2	1	2
PL.3371	PL.3370	A	6 A (CWC)	7.16Y	119.3	0.00	5.71	0.01	0	0	0	100	0.00	0.0	10.702	0.138	0	0	1	1
PL.2842	PL.3385	A	6 A (CWC)	7.16Y	119.3	0.01	5.71	3.83	3	26	8	96	0.00	0.0	10.301	0.048	0	0	0	5
PL.2790	PL.2842	A	#4 ACSR	7.16Y	119.3	0.00	5.71	3.76	3	26	8	96	0.00	0.0	10.334	0.033	26	8	4	4
PL.2791	PL.2842	A	6 A (CWC)	7.16Y	119.3	0.00	5.71	0.08	0	1	0	100	0.00	0.0	10.467	0.166	1	0	1	1
PL.3045	PL.2791	A	6 A (CWC)	7.16Y	119.3	0.00	5.71	0.00	0	0	0	100	0.00	0.0	10.553	0.085	0	0	0	0
PL.2792	PL.3045	A	6 A (CWC)	7.16Y	119.3	0.00	5.71	0.00	0	0	0	100	0.00	0.0	10.707	0.155	0	0	0	0
PL.2985	PL.2792	A	6 A (CWC)	7.16Y	119.3	0.00	5.71	0.00	0	0	0	100	0.00	0.0	10.802	0.094	0	0	0	0
PL.2986	PL.2985	A	6 A (CWC)	7.16Y	119.3	0.00	5.71	0.00	0	0	0	100	0.00	0.0	10.908	0.106	0	0	0	0
PL.3062	PL.2986	A	6 A (CWC)	7.16Y	119.3	0.00	5.71	0.00	0	0	0	100	0.00	0.0	11.010	0.102	0	0	0	0
PL.2987	PL.3062	A	6 A (CWC)	7.16Y	119.3	0.00	5.71	0.00	0	0	0	100	0.00	0.0	11.102	0.091	0	0	0	0
PL.3063	PL.2987	A	6 A (CWC)	7.16Y	119.3	0.00	5.71	0.00	0	0	0	100	0.00	0.0	11.235	0.133	0	0	0	0

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Balanced Voltage Drop Report
Source: Big Creek

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.2988	PL.3063	A	6 A (CWC)	7.16Y	119.3	0.00	5.71	0.00	0	0	0	100	0.00	0.0	11.309	0.075	0	0	0	0
PL.2788	PL.3382	ABC	#1/0 ACSR	7.18Y	119.6	0.02	5.36	10.67	5	219	70	95	0.03	0.0	8.885	0.110	5	2	1	48
PL.2787	PL.2788	C	#2 ACSR	7.18Y	119.6	0.00	5.36	0.44	0	3	1	95	0.00	0.0	8.941	0.055	3	1	1	1
PL.2786	PL.2788	ABC	#1/0 ACSR	7.18Y	119.6	0.01	5.37	10.27	4	211	67	95	0.01	0.0	8.934	0.049	0	0	0	46
PL.2785	PL.2786	ABC	#1/0 ACSR	7.18Y	119.6	0.01	5.38	10.27	4	211	67	95	0.02	0.0	8.998	0.064	17	5	2	46
PL.3560	PL.2785	A	#2 ACSR	7.18Y	119.6	0.00	5.38	0.32	0	2	1	89	0.00	0.0	9.003	0.005	0	0	0	1
PD.415	PL.3560	A	40QA	7.18Y	119.6	0.00	5.38	0.32	1	2	1	89	0.00	0.0	9.003	0.005	0	0	0	1
PL.3561	PD.415	A	#2 ACSR	7.18Y	119.6	0.00	5.38	0.32	0	2	1	89	0.00	0.0	9.098	0.095	2	1	1	1
PL.3584	PL.2785	C	#1/0 ACSR	7.18Y	119.6	0.00	5.38	1.81	1	12	4	95	0.00	0.0	9.003	0.005	0	0	0	3
PD.427	PL.3584	C	40QA	7.18Y	119.6	0.00	5.38	1.81	5	12	4	95	0.00	0.0	9.003	0.005	0	0	0	3
PL.3585	PD.427	C	#1/0 ACSR	7.18Y	119.6	0.00	5.38	1.81	1	12	4	95	0.00	0.0	9.048	0.045	12	4	3	3
PL.2782	PL.2785	ABC	#1/0 ACSR	7.18Y	119.6	0.01	5.39	8.75	4	180	57	95	0.02	0.0	9.085	0.086	0	0	0	40
PL.64940	PL.2782	C	8 A (CWC)	7.18Y	119.6	0.00	5.39	1.97	2	13	4	96	0.00	0.0	9.091	0.006	0	0	0	2
PL.64941	PL.64940	C	8 A (CWC)	7.18Y	119.6	0.00	5.39	1.97	2	13	4	96	0.00	0.0	9.123	0.033	8	3	1	2
PL.3380	PL.64941	C	8 A (CWC)	7.18Y	119.6	0.00	5.39	0.76	1	5	2	93	0.00	0.0	9.133	0.010	0	0	0	1
PL.2784	PL.3380	C	8 A (CWC)	7.18Y	119.6	0.00	5.40	0.76	1	5	2	93	0.00	0.0	9.182	0.049	5	2	1	1
PL.2783	PL.2782	ABC	#1/0 ACSR	7.18Y	119.6	0.00	5.39	8.10	4	166	53	95	0.00	0.0	9.091	0.006	0	0	0	38
PL.65726	PL.2783	ABC	#1/0 ACSR	7.18Y	119.6	0.00	5.39	8.10	4	166	53	95	0.00	0.0	9.092	0.001	0	0	0	38
PD.9577	PL.65726	ABC	35L	7.18Y	119.6	0.00	5.39	8.10	23	166	53	95	0.00	0.0	9.092	0.001	0	0	0	38
PL.65725	PD.9577	ABC	#1/0 ACSR	7.18Y	119.6	0.01	5.41	8.10	4	166	53	95	0.02	0.0	9.189	0.097	4	1	1	38
PL.2779	PL.65725	ABC	#1/0 ACSR	7.17Y	119.6	0.02	5.43	7.92	3	162	52	95	0.02	0.0	9.325	0.136	0	0	0	37
PL.3586	PL.2779	A	6 A (CWC)	7.17Y	119.6	0.00	5.43	0.38	0	3	1	95	0.00	0.0	9.330	0.005	0	0	0	1
PD.428	PL.3586	A	40QA	7.17Y	119.6	0.00	5.43	0.38	1	3	1	95	0.00	0.0	9.330	0.005	0	0	0	1
PL.3587	PD.428	A	6 A (CWC)	7.17Y	119.6	0.00	5.43	0.38	0	3	1	95	0.00	0.0	9.364	0.034	3	1	1	1
PL.3589	PL.2779	ABC	#1/0 ACSR	7.17Y	119.6	0.00	5.43	7.79	3	160	51	95	0.00	0.0	9.330	0.005	0	0	0	36
PL.3588	PL.3589	ABC	#1/0 ACSR	7.17Y	119.6	0.02	5.44	7.79	3	160	51	95	0.02	0.0	9.440	0.110	0	0	0	36
PL.3381	PL.3588	C	6 A (CWC)	7.17Y	119.6	0.00	5.44	1.17	1	8	3	94	0.00	0.0	9.507	0.067	7	2	3	6
PL.3582	PL.3381	C	6 A (CWC)	7.17Y	119.6	0.00	5.44	0.18	0	1	0	100	0.00	0.0	9.511	0.005	0	0	0	3
PD.426	PL.3582	C	40QA	7.17Y	119.6	0.00	5.44	0.18	0	1	0	100	0.00	0.0	9.511	0.005	0	0	0	3
PL.3583	PD.426	C	6 A (CWC)	7.17Y	119.6	0.00	5.44	0.18	0	1	0	100	0.00	0.0	9.569	0.058	1	0	2	3
PL.2780	PL.3583	C	6 A (CWC)	7.17Y	119.6	0.00	5.44	0.05	0	0	0	100	0.00	0.0	9.684	0.115	0	0	0	1

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Balanced Voltage Drop Report
Source: Big Creek

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.2815	PL.2780	C	6 A (CWC)	7.17Y	119.6	0.00	5.44	0.05	0	0	0	100	0.00	0.0	9.769	0.085	0	0	1	1
PL.2978	PL.3588	ABC	#1/0 ACSR	7.17Y	119.5	0.01	5.45	7.40	3	152	48	95	0.01	0.0	9.503	0.064	0	0	0	30
PL.2841	PL.2978	ABC	#1/0 ACSR	7.17Y	119.5	0.02	5.47	7.40	3	152	48	95	0.02	0.0	9.636	0.133	0	0	0	30
PL.2977	PL.2841	ABC	#1/0 ACSR	7.17Y	119.5	0.01	5.48	7.38	3	151	48	95	0.01	0.0	9.724	0.088	0	0	0	29
PL.2976	PL.2977	ABC	#1/0 ACSR	7.17Y	119.5	0.02	5.50	7.38	3	151	48	95	0.02	0.0	9.866	0.143	0	0	0	29
PL.3375	PL.2976	ABC	#1/0 ACSR	7.17Y	119.5	0.02	5.52	7.38	3	151	48	95	0.02	0.0	10.016	0.150	0	0	1	29
PL.3374	PL.3375	ABC	#1/0 ACSR	7.17Y	119.5	0.01	5.53	7.38	3	151	48	95	0.01	0.0	10.087	0.071	0	0	0	28
PL.3093	PL.3374	ABC	#1/0 ACSR	7.17Y	119.5	0.01	5.54	7.02	3	144	46	95	0.01	0.0	10.183	0.097	0	0	0	26
PL.3376	PL.3093	ABC	#1/0 ACSR	7.17Y	119.4	0.01	5.56	6.79	3	139	44	95	0.01	0.0	10.286	0.103	8	3	1	25
PL.3378	PL.3376	ABC	#1/0 ACSR	7.17Y	119.4	0.01	5.56	6.40	3	131	42	95	0.01	0.0	10.364	0.078	0	0	1	24
PL.3377	PL.3378	ABC	#1/0 ACSR	7.17Y	119.4	0.01	5.57	6.38	3	131	41	95	0.01	0.0	10.454	0.090	0	0	0	23
PL.2775	PL.3377	ABC	#1/0 ACSR	7.16Y	119.4	0.01	5.59	6.38	3	131	41	95	0.01	0.0	10.563	0.108	0	0	0	23
PL.2840	PL.2775	ABC	#1/0 ACSR	7.16Y	119.4	0.01	5.60	6.38	3	131	41	95	0.01	0.0	10.636	0.073	0	0	0	23
PL.3556	PL.2840	C	6 A (CWC)	7.16Y	119.4	0.00	5.60	9.29	7	63	20	95	0.00	0.0	10.641	0.005	0	0	0	12
PD.413	PL.3556	C	40QA	7.16Y	119.4	0.00	5.60	9.29	23	63	20	95	0.00	0.0	10.641	0.005	0	0	0	12
PL.3557	PD.413	C	6 A (CWC)	7.16Y	119.4	0.01	5.61	9.29	7	63	20	95	0.00	0.0	10.669	0.029	15	5	3	12
PL.3364	PL.3557	C	6 A (CWC)	7.16Y	119.4	0.01	5.62	7.12	5	49	15	96	0.00	0.0	10.722	0.052	17	5	3	9
PL.3365	PL.3364	C	6 A (CWC)	7.16Y	119.4	0.01	5.63	4.68	3	32	10	95	0.00	0.0	10.771	0.049	18	6	2	6
PL.3366	PL.3365	C	6 A (CWC)	7.16Y	119.4	0.00	5.63	2.04	1	14	4	96	0.00	0.0	10.834	0.063	13	4	3	4
PL.2777	PL.3366	C	#4 ACSR	7.16Y	119.4	0.00	5.63	0.14	0	1	0	100	0.00	0.0	10.882	0.048	0	0	0	1
PL.2776	PL.2777	C	#4 ACSR	7.16Y	119.4	0.00	5.63	0.14	0	1	0	100	0.00	0.0	10.912	0.030	1	0	1	1
PL.2774	PL.2840	ABC	#1/0 ACSR	7.16Y	119.4	0.00	5.60	3.28	1	67	21	95	0.00	0.0	10.723	0.087	27	9	4	11
PL.3060	PL.2774	ABC	#1/0 ACSR	7.16Y	119.4	0.00	5.60	1.97	1	40	13	95	0.00	0.0	10.819	0.096	0	0	0	7
PL.2839	PL.3060	ABC	#1/0 ACSR	7.16Y	119.4	0.00	5.61	1.97	1	40	13	95	0.00	0.0	10.910	0.091	0	0	0	7
PL.2771	PL.2839	ABC	#1/0 ACSR	7.16Y	119.4	0.00	5.61	1.28	1	26	8	96	0.00	0.0	11.022	0.112	0	0	0	6
PL.3372	PL.2771	C	6 A (CWC)	7.16Y	119.4	0.00	5.61	0.43	0	3	1	95	0.00	0.0	11.078	0.056	3	1	1	1
PL.3373	PL.3372	C	6 A (CWC)	7.16Y	119.4	0.00	5.61	0.00	0	0	0	100	0.00	0.0	11.211	0.133	0	0	0	0
PL.2975	PL.2771	ABC	#1/0 ACSR	7.16Y	119.4	0.00	5.61	1.14	0	23	7	96	0.00	0.0	11.156	0.134	0	0	0	5
PL.2974	PL.2975	ABC	#1/0 ACSR	7.16Y	119.4	0.00	5.62	1.14	0	23	7	96	0.00	0.0	11.313	0.157	0	0	0	5
PL.2973	PL.2974	ABC	#1/0 ACSR	7.16Y	119.4	0.00	5.62	1.14	0	23	7	96	0.00	0.0	11.427	0.113	0	0	0	5
PL.2972	PL.2973	ABC	#1/0 ACSR	7.16Y	119.4	0.00	5.62	1.14	0	23	7	96	0.00	0.0	11.587	0.161	0	0	0	5

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Balanced Voltage Drop Report
Source: Big Creek

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.2838	PL.2972	ABC	#1/0 ACSR	7.16Y	119.4	0.00	5.62	1.14	0	23	7	96	0.00	0.0	11.668	0.080	0	0	0	5
PL.3363	PL.2838	ABC	#1/0 ACSR	7.16Y	119.4	0.00	5.62	1.14	0	23	7	96	0.00	0.0	11.748	0.080	0	0	0	5
PL.3362	PL.3363	ABC	#1/0 ACSR	7.16Y	119.4	0.00	5.63	1.14	0	23	7	96	0.00	0.0	11.843	0.095	0	0	0	5
PL.2971	PL.3362	ABC	#1/0 ACSR	7.16Y	119.4	0.00	5.63	1.14	0	23	7	96	0.00	0.0	11.977	0.133	0	0	0	5
PL.3059	PL.2971	ABC	#1/0 ACSR	7.16Y	119.4	0.00	5.63	1.14	0	23	7	96	0.00	0.0	12.127	0.150	0	0	0	5
PL.2970	PL.3059	ABC	#1/0 ACSR	7.16Y	119.4	0.00	5.63	1.14	0	23	7	96	0.00	0.0	12.177	0.051	0	0	0	5
PL.2969	PL.2970	ABC	#1/0 ACSR	7.16Y	119.4	0.00	5.64	1.14	0	23	7	96	0.00	0.0	12.318	0.141	0	0	0	5
PL.2968	PL.2969	ABC	#1/0 ACSR	7.16Y	119.4	0.00	5.64	1.14	0	23	7	96	0.00	0.0	12.477	0.159	0	0	0	5
PL.2837	PL.2968	ABC	#1/0 ACSR	7.16Y	119.4	0.00	5.64	1.14	0	23	7	96	0.00	0.0	12.597	0.120	0	0	0	5
PL.3360	PL.2837	C	6 A (CWC)	7.16Y	119.4	0.00	5.64	3.42	2	23	7	96	0.00	0.0	12.609	0.012	3	1	1	4
PL.3361	PL.3360	C	6 A (CWC)	7.16Y	119.4	0.01	5.65	2.92	2	20	6	96	0.00	0.0	12.690	0.081	20	6	3	3
PL.3357	PL.2837	ABC	#1/0 ACSR	7.16Y	119.4	0.00	5.64	0.00	0	0	0	100	0.00	0.0	12.685	0.089	0	0	1	1
PL.3359	PL.3357	ABC	#1/0 ACSR	7.16Y	119.4	0.00	5.64	0.00	0	0	0	100	0.00	0.0	12.761	0.075	0	0	0	0
PL.3358	PL.3359	ABC	#1/0 ACSR	7.16Y	119.4	0.00	5.64	0.00	0	0	0	100	0.00	0.0	12.902	0.141	0	0	0	0
PL.2836	PL.3358	ABC	#1/0 ACSR	7.16Y	119.4	0.00	5.64	0.00	0	0	0	100	0.00	0.0	13.072	0.170	0	0	0	0
PL.64943	PL.2836	ABC	#1/0 ACSR	7.16Y	119.4	0.00	5.64	0.00	0	0	0	100	0.00	0.0	13.121	0.049	0	0	0	0
PL.64942	PL.64943	ABC	#1/0 ACSR	7.16Y	119.4	0.00	5.64	0.00	0	0	0	100	0.00	0.0	13.121	0.001	0	0	0	0
PD.438-B	PL.64942	ABC	Open	7.16Y	119.4	0.00	5.64	0.00	0	0	0	100	0.00	0.0	13.121	0.001	0	0	0	0
PL.2770	PL.2836	A	6 A (CWC)	7.16Y	119.4	0.00	5.64	0.00	0	0	0	100	0.00	0.0	13.106	0.034	0	0	0	0
PL.3393	PL.2770	A	6 A (CWC)	7.16Y	119.4	0.00	5.64	0.00	0	0	0	100	0.00	0.0	13.111	0.005	0	0	0	0
PD.359-B	PL.3393	A	Open	7.16Y	119.4	0.00	5.64	0.00	0	0	0	100	0.00	0.0	13.111	0.005	0	0	0	0
PL.2944	PL.2838	C	#1/0 ACSR	7.16Y	119.4	0.00	5.62	0.00	0	0	0	100	0.00	0.0	11.672	0.005	0	0	0	0
PD.412	PL.2944	C	40QA	7.16Y	119.4	0.00	5.62	0.00	0	0	0	100	0.00	0.0	11.672	0.005	0	0	0	0
PL.2945	PD.412	C	#1/0 ACSR	7.16Y	119.4	0.00	5.62	0.00	0	0	0	100	0.00	0.0	11.692	0.020	0	0	0	0
PL.2772	PL.2839	A	#2 ACSR	7.16Y	119.4	0.00	5.61	0.00	0	0	0	100	0.00	0.0	10.928	0.017	0	0	0	0
PL.2773	PL.2839	C	#4 ACSR	7.16Y	119.4	0.00	5.61	2.05	2	14	4	96	0.00	0.0	10.950	0.040	14	4	1	1
PL.2778	PL.3093	C	#4 ACSR	7.17Y	119.5	0.00	5.54	0.69	1	5	1	98	0.00	0.0	10.228	0.045	5	1	1	1
PL.3580	PL.3374	A	#4 ACSR	7.17Y	119.5	0.00	5.53	1.09	1	7	2	96	0.00	0.0	10.091	0.005	0	0	0	2
PD.425	PL.3580	A	40QA	7.17Y	119.5	0.00	5.53	1.09	3	7	2	96	0.00	0.0	10.091	0.005	0	0	0	2
PL.3581	PD.425	A	#4 ACSR	7.17Y	119.5	0.00	5.53	1.09	1	7	2	96	0.00	0.0	10.121	0.030	7	2	2	2
PL.3558	PL.2841	C	#2 ACSR	7.17Y	119.5	0.00	5.47	0.06	0	0	0	100	0.00	0.0	9.641	0.005	0	0	0	1

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Balanced Voltage Drop Report
Source: Big Creek

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.414	PL.3558	C	40QA	7.17Y	119.5	0.00	5.47	0.06	0	0	0	100	0.00	0.0	9.641	0.005	0	0	0	1
PL.3559	PD.414	C	#2 ACSR	7.17Y	119.5	0.00	5.47	0.06	0	0	0	100	0.00	0.0	9.682	0.041	0	0	1	1
PL.1055	PL.668	A	#1/0 ACSR	7.18Y	119.7	0.00	5.30	0.09	0	1	0	100	0.00	0.0	8.653	0.005	0	0	0	1
PD.52	PL.1055	A	40QA	7.18Y	119.7	0.00	5.30	0.09	0	1	0	100	0.00	0.0	8.653	0.005	0	0	0	1
PL.1056	PD.52	A	#1/0 ACSR	7.18Y	119.7	0.00	5.30	0.09	0	1	0	100	0.00	0.0	8.734	0.080	1	0	1	1
PL.1063	PL.208	A	6 A (CWC)	7.19Y	119.8	0.00	5.18	0.00	0	0	0	100	0.00	0.0	8.149	0.004	0	0	0	0
PD.56	PL.1063	A	40QA	7.19Y	119.8	0.00	5.18	0.00	0	0	0	100	0.00	0.0	8.149	0.004	0	0	0	0
PL.1064	PD.56	A	6 A (CWC)	7.19Y	119.8	0.00	5.18	0.00	0	0	0	100	0.00	0.0	8.185	0.035	0	0	0	0
PL.209	PL.208	A	6 A (CWC)	7.19Y	119.8	0.01	5.20	8.13	6	56	18	95	0.01	0.0	8.185	0.040	4	1	1	16
PL.1061	PL.209	A	6 A (CWC)	7.19Y	119.8	0.00	5.20	7.48	5	51	16	95	0.00	0.0	8.190	0.005	0	0	0	15
PD.55	PL.1061	A	40T	7.19Y	119.8	0.00	5.20	7.48	0	51	16	95	0.00	0.0	8.190	0.005	0	0	0	15
PL.1062	PD.55	A	6 A (CWC)	7.18Y	119.7	0.12	5.31	7.48	5	51	16	95	0.04	0.1	8.562	0.372	10	3	2	15
PL.682	PL.1062	A	6 A (CWC)	7.18Y	119.6	0.04	5.35	5.98	4	41	13	95	0.01	0.0	8.704	0.142	0	0	0	13
PL.212	PL.682	A	#4 ACSR	7.18Y	119.6	0.00	5.35	1.43	1	10	3	96	0.00	0.0	8.771	0.068	10	3	1	1
PL.213	PL.682	A	#4 ACSR	7.18Y	119.6	0.02	5.37	4.56	4	31	10	95	0.00	0.0	8.785	0.081	0	0	1	12
PL.678	PL.213	A	#4 ACSR	7.18Y	119.6	0.00	5.37	1.53	1	10	3	96	0.00	0.0	8.862	0.077	5	1	3	8
PL.679	PL.678	A	#4 ACSR	7.18Y	119.6	0.00	5.38	0.86	1	6	2	95	0.00	0.0	8.951	0.089	0	0	1	5
PL.680	PL.679	A	#4 ACSR	7.18Y	119.6	0.00	5.38	0.81	1	6	2	95	0.00	0.0	9.062	0.111	0	0	0	4
PL.664	PL.680	A	#4 ACSR	7.18Y	119.6	0.00	5.38	0.81	1	6	2	95	0.00	0.0	9.149	0.087	1	0	1	4
PL.734	PL.664	A	#4 ACSR	7.18Y	119.6	0.00	5.38	0.38	0	3	1	95	0.00	0.0	9.218	0.070	0	0	1	2
PL.735	PL.734	A	#4 ACSR	7.18Y	119.6	0.00	5.39	0.33	0	2	1	89	0.00	0.0	9.346	0.128	2	1	1	1
PL.214	PL.664	A	#4 ACSR	7.18Y	119.6	0.00	5.38	0.34	0	2	1	89	0.00	0.0	9.206	0.057	2	1	1	1
PL.686	PL.213	A	#4 ACSR	7.18Y	119.6	0.00	5.37	3.02	2	21	7	95	0.00	0.0	8.821	0.036	14	4	2	3
PL.684	PL.686	A	#1/0 ACSR	7.18Y	119.6	0.00	5.37	0.97	0	7	2	96	0.00	0.0	8.875	0.054	7	2	1	1
PL.1053	PL.205	C	6 A (CWC)	7.19Y	119.9	0.00	5.09	0.57	0	4	1	97	0.00	0.0	7.847	0.005	0	0	0	2
PD.51	PL.1053	C	40QA	7.19Y	119.9	0.00	5.09	0.57	1	4	1	97	0.00	0.0	7.847	0.005	0	0	0	2
PL.1054	PD.51	C	6 A (CWC)	7.19Y	119.9	0.00	5.09	0.57	0	4	1	97	0.00	0.0	7.953	0.106	4	1	2	2
PL.953	PL.191	C	#4 ACSR	7.20Y	120.0	0.00	4.97	0.00	0	0	0	100	0.00	0.0	7.450	0.005	0	0	0	0
PL.189	PL.179	A	6 A (CWC)	7.20Y	120.0	0.09	4.95	15.50	11	106	34	95	0.07	0.1	7.257	0.119	0	0	0	36
PL.1386	PL.189	A	6 A (CWC)	7.20Y	120.0	0.00	4.95	15.50	11	106	34	95	0.00	0.0	7.260	0.002	0	0	0	36
PD.200	PL.1386	A	40T	7.20Y	120.0	0.00	4.95	15.50	0	106	34	95	0.00	0.0	7.260	0.002	0	0	0	36

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

Balanced Voltage Drop Report
Source: Big Creek

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.1385	PD.200	A	6 A (CWC)	7.20Y	120.0	0.00	4.96	15.50	11	106	34	95	0.00	0.0	7.262	0.002	0	0	0	36
PL.192	PL.1385	A	6 A (CWC)	7.20Y	120.0	0.02	4.97	14.09	10	97	31	95	0.01	0.0	7.292	0.030	0	0	0	31
PL.697	PL.192	A	#4 ACSR	7.20Y	120.0	0.00	4.98	1.39	1	10	3	96	0.00	0.0	7.362	0.070	2	1	1	3
PL.698	PL.697	A	#4 ACSR	7.20Y	120.0	0.00	4.98	1.05	1	7	2	96	0.00	0.0	7.404	0.042	7	2	2	2
PL.195	PL.192	A	6 A (CWC)	7.20Y	120.0	0.05	5.02	12.69	9	87	28	95	0.03	0.0	7.376	0.084	7	2	3	28
PL.695	PL.195	A	6 A (CWC)	7.19Y	119.9	0.13	5.15	10.90	8	75	24	95	0.07	0.1	7.636	0.261	5	1	2	22
PL.197	PL.695	A	6 A (CWC)	7.19Y	119.8	0.03	5.18	10.23	7	70	22	95	0.02	0.0	7.711	0.075	7	2	4	20
PL.199	PL.197	A	6 A (CWC)	7.19Y	119.8	0.02	5.20	8.99	6	62	20	95	0.01	0.0	7.766	0.055	14	4	2	15
PL.603	PL.199	A	6 A (CWC)	7.19Y	119.8	0.01	5.21	6.10	4	42	13	96	0.00	0.0	7.807	0.042	0	0	0	10
PL.604	PL.603	A	6 A (CWC)	7.19Y	119.8	0.01	5.23	6.10	4	42	13	96	0.00	0.0	7.853	0.046	2	1	1	10
PL.596	PL.604	A	6 A (CWC)	7.19Y	119.8	0.01	5.24	5.82	4	40	13	95	0.00	0.0	7.902	0.049	2	1	2	9
PL.597	PL.596	A	6 A (CWC)	7.18Y	119.7	0.03	5.27	5.55	4	38	12	95	0.01	0.0	8.005	0.103	0	0	0	7
PL.202	PL.597	A	#2 ACSR	7.18Y	119.7	0.00	5.27	0.68	0	5	1	98	0.00	0.0	8.034	0.028	5	1	2	2
PL.601	PL.597	A	#4 ACSR	7.18Y	119.7	0.03	5.29	4.87	4	33	11	95	0.01	0.0	8.148	0.143	11	4	1	5
PL.594	PL.601	A	#4 ACSR	7.18Y	119.7	0.01	5.30	3.20	2	22	7	95	0.00	0.0	8.229	0.081	0	0	0	4
PL.595	PL.594	A	#4 ACSR	7.18Y	119.7	0.01	5.31	3.20	2	22	7	95	0.00	0.0	8.290	0.061	0	0	0	4
PL.203	PL.595	A	#4 ACSR	7.18Y	119.7	0.01	5.32	3.20	2	22	7	95	0.00	0.0	8.390	0.100	8	3	1	4
PL.592	PL.203	A	#4 ACSR	7.18Y	119.7	0.01	5.33	2.04	2	14	4	96	0.00	0.0	8.446	0.056	0	0	0	3
PL.593	PL.592	A	#4 ACSR	7.18Y	119.7	0.00	5.33	2.04	2	14	4	96	0.00	0.0	8.473	0.026	12	4	2	3
PL.204	PL.593	A	#2 ACSR	7.18Y	119.7	0.00	5.33	0.31	0	2	1	89	0.00	0.0	8.503	0.030	2	1	1	1
PL.200	PL.199	A	6 A (CWC)	7.19Y	119.8	0.00	5.20	0.48	0	3	1	95	0.00	0.0	7.808	0.042	3	1	1	1
PL.598	PL.199	A	6 A (CWC)	7.19Y	119.8	0.00	5.20	0.43	0	3	1	95	0.00	0.0	7.846	0.081	0	0	1	2
PL.599	PL.598	A	6 A (CWC)	7.19Y	119.8	0.00	5.20	0.37	0	3	1	95	0.00	0.0	7.886	0.040	3	1	1	1
PL.198	PL.197	A	#2 ACSR	7.19Y	119.8	0.00	5.18	0.26	0	2	1	89	0.00	0.0	7.735	0.024	2	1	1	1
PL.196	PL.195	A	#4 ACSR	7.20Y	120.0	0.00	5.02	0.78	1	5	2	93	0.00	0.0	7.396	0.021	5	2	3	3
PL.290	PL.1385	A	6 A (CWC)	7.20Y	120.0	0.00	4.96	1.42	1	10	3	96	0.00	0.0	7.267	0.005	0	0	0	5
PL.243	PL.290	A	6 A (CWC)	7.20Y	120.0	0.00	4.96	1.42	1	10	3	96	0.00	0.0	7.325	0.058	0	0	0	5
PL.193	PL.243	A	#1/0 ACSR	7.20Y	120.0	0.00	4.96	0.86	0	6	2	95	0.00	0.0	7.377	0.052	4	1	1	3
PL.689	PL.193	A	#1/0 ACSR	7.20Y	120.0	0.00	4.96	0.28	0	2	1	89	0.00	0.0	7.396	0.018	0	0	0	2
PL.690	PL.689	A	#1/0 ACSR	7.20Y	120.0	0.00	4.96	0.28	0	2	1	89	0.00	0.0	7.504	0.109	2	1	2	2
PL.194	PL.243	A	#2 ACSR	7.20Y	120.0	0.00	4.96	0.56	0	4	1	97	0.00	0.0	7.342	0.017	4	1	2	2

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Balanced Voltage Drop Report
Source: Big Creek

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.1073	PL.178	A	6 A (CWC)	7.22Y	120.3	0.00	4.66	4.09	3	28	9	95	0.00	0.0	6.649	0.005	0	0	0	9
PD.62	PL.1073	A	20T	7.22Y	120.3	0.00	4.66	4.09	0	28	9	95	0.00	0.0	6.649	0.005	0	0	0	9
PL.1074	PD.62	A	6 A (CWC)	7.22Y	120.3	0.02	4.69	4.09	3	28	9	95	0.00	0.0	6.778	0.129	2	1	1	9
PL.718	PL.1074	A	6 A (CWC)	7.22Y	120.3	0.01	4.70	3.76	3	26	8	96	0.00	0.0	6.860	0.082	0	0	0	8
PL.181	PL.718	A	6 A (CWC)	7.22Y	120.3	0.01	4.71	3.45	2	24	8	95	0.00	0.0	6.924	0.065	10	3	1	7
PL.725	PL.181	A	6 A (CWC)	7.22Y	120.3	0.01	4.72	1.99	1	14	4	96	0.00	0.0	7.119	0.195	5	2	2	6
PL.727	PL.725	A	6 A (CWC)	7.22Y	120.3	0.00	4.72	1.24	1	9	3	95	0.00	0.0	7.157	0.039	6	2	1	4
PL.728	PL.727	A	6 A (CWC)	7.22Y	120.3	0.01	4.73	0.40	0	3	1	95	0.00	0.0	7.561	0.403	0	0	0	3
PL.183	PL.728	A	#4 ACSR	7.22Y	120.3	0.01	4.74	0.40	0	3	1	95	0.00	0.0	7.861	0.300	0	0	1	3
PL.738	PL.183	A	#4 ACSR	7.22Y	120.3	0.00	4.74	0.36	0	2	1	89	0.00	0.0	8.020	0.158	2	1	1	2
PL.185	PL.738	A	#4 ACSR	7.22Y	120.3	0.00	4.74	0.04	0	0	0	100	0.00	0.0	8.815	0.796	0	0	1	1
PL.180	PL.718	A	#2 ACSR	7.22Y	120.3	0.00	4.70	0.31	0	2	1	89	0.00	0.0	6.880	0.021	2	1	1	1
PL.1075	PL.719	A	6 A (CWC)	7.23Y	120.4	0.00	4.57	0.29	0	2	1	89	0.00	0.0	6.453	0.005	0	0	0	1
PD.63	PL.1075	A	40QA	7.23Y	120.4	0.00	4.57	0.29	1	2	1	89	0.00	0.0	6.453	0.005	0	0	0	1
PL.1076	PD.63	A	6 A (CWC)	7.23Y	120.4	0.00	4.57	0.29	0	2	1	89	0.00	0.0	6.533	0.081	2	1	1	1
PL.176	PL.1076	A	6 A (CWC)	7.23Y	120.4	0.00	4.57	0.00	0	0	0	100	0.00	0.0	6.612	0.079	0	0	0	0
PL.1071	PL.278	C	6 A (CWC)	7.23Y	120.6	0.00	4.43	1.99	1	14	4	96	0.00	0.0	6.133	0.005	0	0	0	2
PD.61	PL.1071	C	40QA	7.23Y	120.6	0.00	4.43	1.99	5	14	4	96	0.00	0.0	6.133	0.005	0	0	0	2
PL.1072	PD.61	C	6 A (CWC)	7.23Y	120.6	0.00	4.43	1.99	1	14	4	96	0.00	0.0	6.177	0.043	14	4	2	2
PL.1069	PL.277	A	#2 ACSR	7.24Y	120.6	0.00	4.38	1.36	1	9	3	95	0.00	0.0	6.041	0.005	0	0	0	3
PD.60	PL.1069	A	40QA	7.24Y	120.6	0.00	4.38	1.36	3	9	3	95	0.00	0.0	6.041	0.005	0	0	0	3
PL.1070	PD.60	A	#2 ACSR	7.24Y	120.6	0.00	4.38	1.36	1	9	3	95	0.00	0.0	6.081	0.040	9	3	3	3
PL.171	PL.170	B	6 A (CWC)	7.24Y	120.7	0.01	4.28	3.91	3	27	9	95	0.00	0.0	5.904	0.085	14	4	3	6
PL.1383	PL.171	B	#4 ACSR	7.24Y	120.7	0.00	4.28	1.90	1	13	4	96	0.00	0.0	5.905	0.002	0	0	0	3
PD.199	PL.1383	B	40QA	7.24Y	120.7	0.00	4.28	1.90	5	13	4	96	0.00	0.0	5.905	0.002	0	0	0	3
PL.1384	PD.199	B	#4 ACSR	7.24Y	120.7	0.00	4.28	1.90	1	13	4	96	0.00	0.0	5.907	0.002	0	0	0	3
PL.242	PL.1384	B	#4 ACSR	7.24Y	120.7	0.00	4.29	0.50	0	3	1	95	0.00	0.0	6.093	0.186	3	1	1	1
PL.279	PL.1384	B	6 A (CWC)	7.24Y	120.7	0.00	4.28	1.41	1	10	3	96	0.00	0.0	5.910	0.003	0	0	0	2
PL.172	PL.279	B	6 A (CWC)	7.24Y	120.7	0.00	4.29	1.41	1	10	3	96	0.00	0.0	5.964	0.053	10	3	2	2
PL.1079	PL.748	C	6 A (CWC)	7.25Y	120.9	0.00	4.11	7.95	6	55	17	96	0.00	0.0	5.512	0.005	0	0	0	12
PD.65	PL.1079	C	25T	7.25Y	120.9	0.00	4.11	7.95	0	55	17	96	0.00	0.0	5.512	0.005	0	0	0	12

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Balanced Voltage Drop Report
Source: Big Creek

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.1080	PD.65	C	6 A (CWC)	7.25Y	120.8	0.07	4.18	7.95	6	55	17	96	0.03	0.0	5.713	0.201	8	2	1	12
PL.754	PL.1080	C	6 A (CWC)	7.25Y	120.8	0.04	4.21	6.84	5	47	15	95	0.01	0.0	5.870	0.157	22	7	3	11
PL.758	PL.754	C	6 A (CWC)	7.25Y	120.8	0.01	4.22	3.66	3	25	8	95	0.00	0.0	5.911	0.041	3	1	1	8
PL.759	PL.758	C	6 A (CWC)	7.25Y	120.8	0.01	4.23	3.28	2	23	7	96	0.00	0.0	5.957	0.046	0	0	0	7
PL.166	PL.759	C	6 A (CWC)	7.25Y	120.8	0.01	4.24	2.82	2	20	6	96	0.00	0.0	6.049	0.092	0	0	0	6
PL.167	PL.166	C	#4 ACSR	7.25Y	120.8	0.00	4.24	0.31	0	2	1	89	0.00	0.0	6.114	0.065	2	1	1	1
PL.273	PL.166	C	#4 ACSR	7.25Y	120.8	0.01	4.25	2.52	2	17	6	94	0.00	0.0	6.131	0.082	8	3	1	5
PL.762	PL.273	C	#4 ACSR	7.25Y	120.8	0.00	4.25	0.86	1	6	2	95	0.00	0.0	6.191	0.060	2	1	1	3
PL.763	PL.762	C	#4 ACSR	7.24Y	120.7	0.00	4.25	0.55	0	4	1	97	0.00	0.0	6.244	0.052	2	1	1	2
PL.764	PL.763	C	#4 ACSR	7.24Y	120.7	0.00	4.25	0.30	0	2	1	89	0.00	0.0	6.307	0.063	2	1	1	1
PL.274	PL.273	C	#4 ACSR	7.25Y	120.8	0.00	4.25	0.48	0	3	1	95	0.00	0.0	6.184	0.052	3	1	1	1
PL.760	PL.759	C	#2 ACSR	7.25Y	120.8	0.00	4.23	0.45	0	3	1	95	0.00	0.0	6.059	0.102	3	1	1	1
PL.750	PL.748	A	6 A (CWC)	7.25Y	120.9	0.00	4.11	0.69	0	5	2	93	0.00	0.0	5.676	0.169	5	2	1	1
PL.1081	PL.630	C	#1/0 ACSR	7.26Y	121.0	0.00	4.00	1.12	0	8	2	97	0.00	0.0	5.334	0.005	0	0	0	1
PD.66	PL.1081	C	40QA	7.26Y	121.0	0.00	4.00	1.12	3	8	2	97	0.00	0.0	5.334	0.005	0	0	0	1
PL.1082	PD.66	C	#1/0 ACSR	7.26Y	121.0	0.00	4.00	1.12	0	8	2	97	0.00	0.0	5.362	0.028	8	2	1	1
PL.1049	PL.114	A	6 A (CWC)	7.34Y	122.4	0.00	2.58	0.09	0	1	0	100	0.00	0.0	2.991	0.004	0	0	0	2
PD.49	PL.1049	A	20T	7.34Y	122.4	0.00	2.58	0.09	0	1	0	100	0.00	0.0	2.991	0.004	0	0	0	2
PL.1050	PD.49	A	6 A (CWC)	7.34Y	122.4	0.00	2.58	0.09	0	1	0	100	0.00	0.0	3.069	0.077	1	0	1	2
PL.164	PL.1050	A	#4 ACSR	7.34Y	122.4	0.00	2.58	0.01	0	0	0	100	0.00	0.0	3.317	0.249	0	0	1	1
PL.112	PL.110	B	6 A (CWC)	7.35Y	122.6	0.06	2.42	21.08	15	148	47	95	0.07	0.0	2.687	0.061	0	0	0	33
PL.1263	PL.112	B	6 A (CWC)	7.35Y	122.6	0.00	2.43	21.08	15	148	47	95	0.00	0.0	2.690	0.003	0	0	0	33
PD.145	PL.1263	B	35H	7.35Y	122.6	0.00	2.43	21.08	60	148	47	95	0.00	0.0	2.690	0.003	0	0	0	33
PL.1264	PD.145	B	6 A (CWC)	7.35Y	122.4	0.13	2.56	21.08	15	148	47	95	0.15	0.1	2.827	0.137	0	0	0	33
PL.126	PL.1264	B	6 A (CWC)	7.34Y	122.4	0.03	2.60	4.15	3	29	9	96	0.01	0.0	3.004	0.177	0	0	1	10
PL.269	PL.126	B	6 A (CWC)	7.34Y	122.4	0.01	2.60	4.10	3	29	9	96	0.00	0.0	3.042	0.037	0	0	0	9
PL.270	PL.269	B	6 A (CWC)	7.34Y	122.4	0.00	2.60	2.07	1	15	5	95	0.00	0.0	3.085	0.044	15	5	7	7
PL.128	PL.269	B	6 A (CWC)	7.34Y	122.4	0.01	2.61	2.03	1	14	4	96	0.00	0.0	3.150	0.109	0	0	0	2
PL.131	PL.128	B	6 A (CWC)	7.34Y	122.4	0.00	2.62	2.03	1	14	4	96	0.00	0.0	3.192	0.042	0	0	1	2
PL.132	PL.131	B	#1/0 ACSR	7.34Y	122.4	0.00	2.62	1.98	1	14	4	96	0.00	0.0	3.220	0.027	14	4	1	1
PL.130	PL.128	B	#1/0 ACSR	7.34Y	122.4	0.00	2.61	0.00	0	0	0	100	0.00	0.0	3.181	0.031	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: Big Creek

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.4470	PL.1264	B	6 A (CWC)	7.34Y	122.4	0.07	2.63	16.93	12	118	38	95	0.06	0.1	2.915	0.088	0	0	0	23
PL.767	PL.4470	B	6 A (CWC)	7.32Y	122.0	0.38	3.01	16.93	12	118	38	95	0.34	0.3	3.398	0.483	0	0	0	23
PL.134	PL.767	B	6 A (CWC)	7.30Y	121.6	0.38	3.38	16.93	12	118	38	95	0.34	0.3	3.880	0.481	0	0	0	23
PL.4472	PL.134	B	6 A (CWC)	7.29Y	121.5	0.07	3.45	16.93	12	118	38	95	0.06	0.1	3.970	0.090	0	0	0	23
PL.617	PL.4472	B	6 A (CWC)	7.28Y	121.3	0.21	3.67	16.93	12	118	37	95	0.19	0.2	4.245	0.275	0	0	0	23
PL.4471	PL.617	B	6 A (CWC)	7.27Y	121.2	0.13	3.79	16.93	12	117	37	95	0.11	0.1	4.406	0.160	0	0	0	23
PL.784	PL.4471	B	6 A (CWC)	7.26Y	121.0	0.17	3.96	16.93	12	117	37	95	0.15	0.1	4.629	0.223	7	2	2	23
PL.135	PL.784	B	6 A (CWC)	7.26Y	121.0	0.06	4.02	15.99	11	111	35	95	0.05	0.0	4.714	0.085	10	3	2	21
PL.613	PL.135	B	6 A (CWC)	7.25Y	120.9	0.09	4.11	14.52	10	100	32	95	0.06	0.1	4.841	0.127	0	0	0	19
PL.609	PL.613	B	#4 ACSR	7.25Y	120.9	0.00	4.11	0.49	0	3	1	95	0.00	0.0	4.866	0.025	2	1	1	2
PL.610	PL.609	B	#4 ACSR	7.25Y	120.9	0.00	4.11	0.20	0	1	0	100	0.00	0.0	4.910	0.044	1	0	1	1
PL.611	PL.613	B	6 A (CWC)	7.25Y	120.8	0.05	4.16	14.03	10	97	31	95	0.03	0.0	4.927	0.086	21	7	1	17
PL.612	PL.611	B	6 A (CWC)	7.24Y	120.7	0.17	4.32	11.01	8	76	24	95	0.10	0.1	5.259	0.332	2	1	2	16
PL.588	PL.612	B	6 A (CWC)	7.24Y	120.7	0.02	4.35	10.69	8	74	23	95	0.01	0.0	5.307	0.049	13	4	2	14
PL.589	PL.588	B	6 A (CWC)	7.24Y	120.6	0.03	4.37	8.84	6	61	19	95	0.01	0.0	5.379	0.072	6	2	2	12
PL.161	PL.589	B	6 A (CWC)	7.24Y	120.6	0.01	4.39	8.00	6	55	17	96	0.00	0.0	5.415	0.036	8	3	1	10
PL.162	PL.161	B	6 A (CWC)	7.24Y	120.6	0.02	4.41	6.78	5	47	15	95	0.01	0.0	5.506	0.091	21	7	4	9
PL.586	PL.162	B	6 A (CWC)	7.23Y	120.6	0.03	4.43	3.75	3	26	8	96	0.01	0.0	5.665	0.159	2	1	1	5
PL.584	PL.586	B	6 A (CWC)	7.23Y	120.5	0.04	4.47	3.42	2	24	7	96	0.01	0.0	5.923	0.258	6	2	2	4
PL.282	PL.584	B	6 A (CWC)	7.23Y	120.5	0.00	4.47	0.45	0	3	1	95	0.00	0.0	6.003	0.080	3	1	1	1
PL.926	PL.282	B	6 A (CWC)	7.23Y	120.5	0.00	4.47	0.00	0	0	0	100	0.00	0.0	6.096	0.094	0	0	0	0
PL.163	PL.584	B	#4 ACSR	7.23Y	120.5	0.00	4.47	2.08	2	14	5	94	0.00	0.0	5.972	0.049	14	5	1	1
PL.1083	PL.267	C	6 A (CWC)	7.38Y	123.0	0.00	2.04	0.53	0	4	1	97	0.00	0.0	2.195	0.004	0	0	0	2
PD.67	PL.1083	C	40QA	7.38Y	123.0	0.00	2.04	0.53	1	4	1	97	0.00	0.0	2.195	0.004	0	0	0	2
PL.1084	PD.67	C	6 A (CWC)	7.38Y	123.0	0.00	2.04	0.53	0	4	1	97	0.00	0.0	2.284	0.090	4	1	2	2
PL.1085	PL.778	B	#4 ACSR	7.38Y	123.0	0.00	1.96	17.82	14	125	40	95	0.00	0.0	2.078	0.005	0	0	0	18
PD.68	PL.1085	B	25T	7.38Y	123.0	0.00	1.96	17.82	0	125	40	95	0.00	0.0	2.078	0.005	0	0	0	18
PL.1086	PD.68	B	#4 ACSR	7.38Y	123.0	0.02	1.98	17.82	14	125	40	95	0.02	0.0	2.100	0.022	0	0	0	18
PL.111	PL.1086	B	#4 ACSR	7.38Y	122.9	0.09	2.07	17.82	14	125	40	95	0.09	0.1	2.216	0.116	1	0	1	18
PL.264	PL.111	B	#4 ACSR	7.37Y	122.9	0.05	2.12	17.67	14	124	39	95	0.05	0.0	2.280	0.064	0	0	0	17
PL.263	PL.264	B	#4 ACSR	7.37Y	122.9	0.00	2.13	5.40	4	38	12	95	0.00	0.0	2.298	0.018	8	2	1	7

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Balanced Voltage Drop Report
Source: Big Creek

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.122	PL.263	B	#4 ACSR	7.37Y	122.9	0.00	2.13	2.82	2	20	6	96	0.00	0.0	2.350	0.053	20	6	5	5
PL.776	PL.263	B	#4 ACSR	7.37Y	122.9	0.00	2.13	1.50	1	11	3	96	0.00	0.0	2.337	0.039	0	0	0	1
PL.777	PL.776	B	#4 ACSR	7.37Y	122.9	0.00	2.13	1.50	1	11	3	96	0.00	0.0	2.384	0.048	11	3	1	1
PL.765	PL.264	B	#4 ACSR	7.37Y	122.9	0.00	2.13	2.88	2	20	6	96	0.00	0.0	2.307	0.027	0	0	0	2
PL.766	PL.765	B	#4 ACSR	7.37Y	122.9	0.00	2.13	2.88	2	20	6	96	0.00	0.0	2.330	0.023	20	6	2	2
PL.121	PL.264	B	#4 ACSR	7.37Y	122.8	0.06	2.18	9.39	7	66	21	95	0.03	0.0	2.411	0.131	0	0	0	8
PL.931	PL.121	B	#4 ACSR	7.37Y	122.8	0.01	2.19	2.95	2	21	7	95	0.00	0.0	2.477	0.066	0	0	0	3
PL.932	PL.931	B	#4 ACSR	7.37Y	122.8	0.00	2.19	2.95	2	21	7	95	0.00	0.0	2.491	0.014	21	7	3	3
PL.123	PL.121	B	#4 ACSR	7.37Y	122.8	0.02	2.19	6.43	5	45	14	95	0.00	0.0	2.505	0.094	39	12	4	5
PL.124	PL.123	B	#4 ACSR	7.37Y	122.8	0.00	2.19	0.87	1	6	2	95	0.00	0.0	2.551	0.047	6	2	1	1
PL.1087	PL.265	C	#2 ACSR	7.40Y	123.3	0.00	1.70	1.48	1	10	3	96	0.00	0.0	1.776	0.005	0	0	0	1
PD.69	PL.1087	C	40QA	7.40Y	123.3	0.00	1.70	1.48	4	10	3	96	0.00	0.0	1.776	0.005	0	0	0	1
PL.1088	PD.69	C	#2 ACSR	7.40Y	123.3	0.00	1.70	1.48	1	10	3	96	0.00	0.0	1.817	0.042	10	3	1	1
PL.1197	PL.262	A	#1/0 ACSR	7.41Y	123.5	0.00	1.55	1.02	0	7	2	96	0.00	0.0	1.601	0.005	0	0	0	1
PD.127	PL.1197	A	40QA	7.41Y	123.5	0.00	1.55	1.02	3	7	2	96	0.00	0.0	1.601	0.005	0	0	0	1
PL.1198	PD.127	A	#1/0 ACSR	7.41Y	123.5	0.00	1.55	1.02	0	7	2	96	0.00	0.0	1.635	0.034	7	2	1	1
PL.1199	PL.261	C	#1/0 ACSR	7.41Y	123.5	0.00	1.49	0.00	0	0	0	100	0.00	0.0	1.533	0.005	0	0	0	0
PD.128	PL.1199	C	40QA	7.41Y	123.5	0.00	1.49	0.00	0	0	0	100	0.00	0.0	1.533	0.005	0	0	0	0
PL.1200	PD.128	C	#1/0 ACSR	7.41Y	123.5	0.00	1.49	0.00	0	0	0	100	0.00	0.0	1.568	0.036	0	0	0	0
PL.1201	PL.261	A	#4 ACSR	7.41Y	123.5	0.00	1.49	0.76	1	5	2	93	0.00	0.0	1.532	0.004	0	0	0	1
PD.129	PL.1201	A	40QA	7.41Y	123.5	0.00	1.49	0.76	2	5	2	93	0.00	0.0	1.532	0.004	0	0	0	1
PL.1202	PD.129	A	#4 ACSR	7.41Y	123.5	0.00	1.49	0.76	1	5	2	93	0.00	0.0	1.564	0.032	5	2	1	1
PL.105	PL.582	C	#2 ACSR	7.42Y	123.7	0.00	1.26	2.60	1	18	6	95	0.00	0.0	1.335	0.057	18	6	3	3
CP.4	PL.1376	ABC	Cap (300)	7.45Y	124.2	0.00	0.82	0.00	0	0	0	100	0.00	0.0	0.802	0.057	0	0	0	0
PL.1113	PL.136	A	#4 ACSR	7.45Y	124.2	0.00	0.81	0.01	0	0	0	100	0.00	0.0	0.792	0.005	0	0	0	1
PD.81	PL.1113	A	40QA	7.45Y	124.2	0.00	0.81	0.01	0	0	0	100	0.00	0.0	0.792	0.005	0	0	0	1
PL.1114	PD.81	A	#4 ACSR	7.45Y	124.2	0.00	0.81	0.01	0	0	0	100	0.00	0.0	0.822	0.030	0	0	1	1
PL.1105	PL.259	A	#4 ACSR	7.46Y	124.3	0.00	0.70	1.34	1	10	3	96	0.00	0.0	0.681	0.004	0	0	0	1
PD.77	PL.1105	A	40QA	7.46Y	124.3	0.00	0.70	1.34	3	10	3	96	0.00	0.0	0.681	0.004	0	0	0	1
PL.1106	PD.77	A	#4 ACSR	7.46Y	124.3	0.00	0.70	1.34	1	10	3	96	0.00	0.0	0.720	0.039	10	3	1	1
PL.143	PL.140	ABC	#1/0 ACSR	7.49Y	124.8	0.00	0.19	5.81	3	124	39	95	0.00	0.0	0.214	0.039	0	0	0	19

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Balanced Voltage Drop Report
Source: Big Creek

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.1377	PL.143	A	6 A (CWC)	7.49Y	124.8	0.00	0.19	13.45	10	96	30	95	0.00	0.0	0.217	0.003	0	0	0	13
PD.196	PL.1377	A	20T	7.49Y	124.8	0.00	0.19	13.45	0	96	30	95	0.00	0.0	0.217	0.003	0	0	0	13
PL.1378	PD.196	A	6 A (CWC)	7.49Y	124.8	0.05	0.24	13.45	10	96	30	95	0.03	0.0	0.310	0.093	31	10	4	13
PL.145	PL.1378	A	6 A (CWC)	7.48Y	124.7	0.03	0.27	9.07	6	65	21	95	0.01	0.0	0.374	0.064	0	0	0	9
PL.147	PL.145	A	6 A (CWC)	7.48Y	124.7	0.01	0.28	3.89	3	28	9	95	0.00	0.0	0.447	0.073	20	6	5	6
PL.146	PL.147	A	#4 ACSR	7.48Y	124.7	0.00	0.28	1.15	1	8	3	94	0.00	0.0	0.493	0.046	8	3	1	1
PL.844	PL.145	A	6 A (CWC)	7.48Y	124.7	0.02	0.29	5.18	4	37	12	95	0.01	0.0	0.498	0.124	14	4	1	3
PL.845	PL.844	A	6 A (CWC)	7.48Y	124.7	0.01	0.30	3.20	2	23	7	96	0.00	0.0	0.592	0.094	23	7	2	2
PL.939	PL.845	A	6 A (CWC)	7.48Y	124.7	0.00	0.30	0.00	0	0	0	100	0.00	0.0	0.664	0.073	0	0	0	0
PL.26119	PL.143	ABC	#1/0 ACSR	7.49Y	124.8	0.00	0.19	1.33	1	28	9	95	0.00	0.0	0.352	0.139	0	0	0	6
PL.26120	PL.26119	ABC	#1/0 ACSR	7.49Y	124.8	0.00	0.20	1.33	1	28	9	95	0.00	0.0	0.365	0.013	0	0	1	6
PL.10617	PL.26120	ABC	#1/0 ACSR	7.49Y	124.8	0.00	0.20	1.31	1	28	9	95	0.00	0.0	0.470	0.105	0	0	0	5
PL.11380	PL.10617	A	#4 ACSR	7.49Y	124.8	0.01	0.21	3.92	3	28	9	95	0.00	0.0	0.563	0.093	14	5	4	5
PL.10922	PL.11380	A	#4 ACSR	7.49Y	124.8	0.00	0.21	1.93	1	14	4	96	0.00	0.0	0.644	0.081	14	4	1	1
PL.64938	PL.64956	A	#4 ACSR	7.49Y	124.9	0.00	0.12	0.00	0	0	0	100	0.00	0.0	0.113	0.004	0	0	0	2
PL.64939	PL.64938	A	#4 ACSR	7.49Y	124.9	0.00	0.12	0.00	0	0	0	100	0.00	0.0	0.113	0.001	0	0	0	2
PD.75	PL.64939	A	15T	7.49Y	124.9	0.00	0.12	0.00	0	0	0	100	0.00	0.0	0.113	0.001	0	0	0	2
PL.1102	PD.75	A	#4 ACSR	7.49Y	124.9	0.00	0.12	0.00	0	0	0	100	0.00	0.0	0.122	0.009	0	0	2	2
PL.64978	Big Creek	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	60.02	12	1285	416	95	0.03	0.0	0.009	0.009	0	0	0	210
PL.64979	PL.64978	ABC	336 MCM AC	7.50Y	125.0	0.00	0.01	60.02	12	1285	416	95	0.01	0.0	0.014	0.004	0	0	0	210
---------- Feeder No. 2 (Bear Branch F2) Beginning with Device PD.9987 ----------																				
PD.9987	PL.64979	ABC	480VWE	7.50Y	125.0	0.00	0.01	60.02	0	1285	416	95	0.00	0.0	0.014	0.004	0	0	0	210
PL.64950	PD.9987	ABC	336 MCM AC	7.50Y	125.0	0.00	0.01	60.02	12	1285	416	95	0.03	0.0	0.023	0.009	0	0	0	210
PL.823	PL.64950	A	#1/0 ACSR	7.50Y	125.0	0.00	0.01	1.47	1	10	3	96	0.00	0.0	0.046	0.023	10	3	2	2
PL.824	PL.823	A	#4 ACSR	7.50Y	125.0	0.00	0.01	0.00	0	0	0	100	0.00	0.0	0.070	0.023	0	0	0	0
PL.64954	PL.64950	ABC	#1/0 ACSR	7.49Y	124.9	0.08	0.09	59.54	26	1274	412	95	0.67	0.1	0.094	0.071	0	0	0	208
PL.64937	PL.64954	ABC	#1/0 ACSR	7.49Y	124.9	0.00	0.09	59.54	26	1274	412	95	0.00	0.0	0.094	0.000	4	1	1	208
PL.821	PL.64937	ABC	#1/0 ACSR	7.49Y	124.9	0.04	0.13	57.77	25	1236	400	95	0.34	0.0	0.132	0.038	10	5	1	201
PL.822	PL.821	ABC	#1/0 ACSR	7.49Y	124.8	0.10	0.23	57.28	25	1225	395	95	0.80	0.1	0.224	0.092	0	0	1	200

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Balanced Voltage Drop Report
Source: Big Creek

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.1095	PL.822	A	#4 ACSR	7.49Y	124.8	0.00	0.23	1.32	1	9	3	95	0.00	0.0	0.229	0.005	0	0	0	1
PD.73	PL.1095	A	40QA	7.49Y	124.8	0.00	0.23	1.32	3	9	3	95	0.00	0.0	0.229	0.005	0	0	0	1
PL.1096	PD.73	A	#4 ACSR	7.49Y	124.8	0.00	0.23	1.32	1	9	3	95	0.00	0.0	0.251	0.022	9	3	1	1
PL.1098	PL.822	ABC	#1/0 ACSR	7.48Y	124.7	0.10	0.32	56.84	25	1215	391	95	0.80	0.1	0.317	0.093	0	0	0	198
PL.159	PL.1098	ABC	6 A (CWC)	7.48Y	124.7	0.00	0.33	0.31	0	7	2	96	0.00	0.0	0.606	0.289	0	0	0	4
PL.157	PL.159	ABC	#4 ACSR	7.48Y	124.7	0.00	0.33	0.31	0	7	2	96	0.00	0.0	0.645	0.039	0	0	2	4
PL.840	PL.157	ABC	#4 ACSR	7.48Y	124.7	0.00	0.33	0.00	0	0	0	100	0.00	0.0	1.088	0.443	0	0	0	0
PL.156	PL.157	A	#4 ACSR	7.48Y	124.7	0.00	0.33	0.88	1	6	2	95	0.00	0.0	0.689	0.044	6	2	2	2
PL.257	PL.1098	ABC	#1/0 ACSR	7.46Y	124.4	0.27	0.59	56.53	25	1208	388	95	2.19	0.2	0.577	0.260	20	6	4	194
PL.885	PL.257	ABC	#1/0 ACSR	7.46Y	124.4	0.05	0.64	55.59	24	1186	380	95	0.37	0.0	0.622	0.045	2	1	2	190
PL.886	PL.885	ABC	#1/0 ACSR	7.46Y	124.3	0.03	0.67	55.50	24	1183	379	95	0.23	0.0	0.650	0.028	13	4	2	188
PL.884	PL.886	ABC	#1/0 ACSR	7.46Y	124.3	0.02	0.68	54.88	24	1170	374	95	0.13	0.0	0.667	0.017	0	0	0	186
PL.216	PL.884	ABC	#1/0 ACSR	7.46Y	124.3	0.05	0.73	54.12	24	1153	369	95	0.39	0.0	0.718	0.051	19	6	2	183
PL.1107	PL.216	C	#4 ACSR	7.46Y	124.3	0.00	0.73	3.23	2	23	7	96	0.00	0.0	0.723	0.005	0	0	0	3
PD.78	PL.1107	C	40QA	7.46Y	124.3	0.00	0.73	3.23	8	23	7	96	0.00	0.0	0.723	0.005	0	0	0	3
PL.1108	PD.78	C	#4 ACSR	7.46Y	124.3	0.00	0.74	3.23	2	23	7	96	0.00	0.0	0.774	0.052	23	7	3	3
PL.217	PL.216	ABC	#1/0 ACSR	7.45Y	124.2	0.04	0.77	52.15	23	1111	355	95	0.30	0.0	0.760	0.042	10	3	1	178
PL.1209	PL.217	C	6 A (CWC)	7.45Y	124.2	0.00	0.77	5.28	4	38	12	95	0.00	0.0	0.764	0.005	0	0	0	5
PD.134	PL.1209	C	40QA	7.45Y	124.2	0.00	0.77	5.28	13	38	12	95	0.00	0.0	0.764	0.005	0	0	0	5
PL.1210	PD.134	C	6 A (CWC)	7.45Y	124.2	0.00	0.78	5.28	4	38	12	95	0.00	0.0	0.792	0.028	38	12	5	5
PL.218	PL.217	ABC	#1/0 ACSR	7.45Y	124.1	0.13	0.90	48.98	21	1043	334	95	0.89	0.1	0.900	0.140	11	4	2	167
PL.219	PL.218	B	8 A (CWC)	7.45Y	124.1	0.00	0.90	1.52	2	11	3	96	0.00	0.0	0.918	0.018	11	3	1	1
PL.878	PL.218	ABC	#1/0 ACSR	7.44Y	124.0	0.06	0.96	47.94	21	1020	326	95	0.44	0.0	0.972	0.072	4	1	1	164
PL.1265	PL.878	B	6 A (CWC)	7.44Y	124.0	0.00	0.97	18.75	13	133	42	95	0.00	0.0	0.975	0.003	0	0	0	16
PD.146	PL.1265	B	50H	7.44Y	124.0	0.00	0.97	18.75	38	133	42	95	0.00	0.0	0.975	0.003	0	0	0	16
PL.1266	PD.146	B	6 A (CWC)	7.44Y	124.0	0.01	0.98	18.75	13	133	42	95	0.01	0.0	0.990	0.015	0	0	0	16
PL.221	PL.1266	B	6 A (CWC)	7.44Y	124.0	0.02	1.00	18.75	13	133	42	95	0.02	0.0	1.015	0.025	16	5	1	16
PL.222	PL.221	B	6 A (CWC)	7.44Y	124.0	0.04	1.04	16.55	12	117	37	95	0.03	0.0	1.076	0.062	27	8	3	15
PL.223	PL.222	B	6 A (CWC)	7.44Y	123.9	0.02	1.06	12.81	9	91	29	95	0.01	0.0	1.104	0.028	5	2	1	12
PL.876	PL.223	B	#4 ACSR	7.43Y	123.8	0.16	1.21	12.13	9	86	27	95	0.10	0.1	1.403	0.299	8	3	2	11
PL.224	PL.876	B	#4 ACSR	7.43Y	123.8	0.00	1.21	2.36	2	17	5	96	0.00	0.0	1.438	0.034	17	5	1	1

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Balanced Voltage Drop Report
Source: Big Creek

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.225	PL.876	B	#4 ACSR	7.42Y	123.7	0.04	1.26	8.62	7	61	19	95	0.02	0.0	1.515	0.112	0	0	0	8
PL.950	PL.225	B	#4 ACSR	7.42Y	123.7	0.02	1.28	4.40	3	31	10	95	0.01	0.0	1.631	0.116	1	0	1	5
PL.227	PL.950	B	#4 ACSR	7.42Y	123.7	0.01	1.29	4.33	3	31	10	95	0.00	0.0	1.679	0.049	1	0	1	4
PL.873	PL.227	B	#4 ACSR	7.42Y	123.7	0.03	1.31	4.21	3	30	9	96	0.01	0.0	1.822	0.142	0	0	1	3
PL.228	PL.873	B	#2 ACSR	7.42Y	123.7	0.01	1.32	4.18	2	30	9	96	0.00	0.0	1.917	0.095	30	9	2	2
PL.948	PL.225	B	#4 ACSR	7.42Y	123.7	0.01	1.27	4.21	3	30	9	96	0.00	0.0	1.594	0.080	19	6	2	3
PL.946	PL.948	B	#4 ACSR	7.42Y	123.7	0.00	1.27	1.56	1	11	3	96	0.00	0.0	1.650	0.055	0	0	0	1
PL.226	PL.946	B	#2 ACSR	7.42Y	123.7	0.00	1.27	1.56	1	11	3	96	0.00	0.0	1.702	0.052	11	3	1	1
PL.897	PL.878	ABC	#1/0 ACSR	7.44Y	124.0	0.03	0.99	41.48	18	882	282	95	0.17	0.0	1.010	0.038	37	12	7	147
PL.898	PL.897	ABC	#1/0 ACSR	7.44Y	124.0	0.02	1.01	39.76	17	845	270	95	0.12	0.0	1.039	0.030	0	0	0	140
PL.258	PL.898	ABC	#1/0 ACSR	7.44Y	124.0	0.03	1.04	36.06	16	767	245	95	0.14	0.0	1.078	0.039	0	0	0	131
PL.1380	PL.258	ABC	#1/0 ACSR	7.44Y	123.9	0.03	1.07	36.06	16	767	245	95	0.14	0.0	1.119	0.041	0	0	1	131
PL.229	PL.1380	A	6 A (CWC)	7.44Y	123.9	0.00	1.07	2.62	2	19	6	95	0.00	0.0	1.192	0.073	19	6	2	2
PL.1215	PL.1380	ABC	#1/0 ACSR	7.44Y	123.9	0.00	1.07	25.31	11	538	172	95	0.01	0.0	1.124	0.004	0	0	0	97
PL.1216	PL.1215	ABC	#1/0 ACSR	7.43Y	123.9	0.04	1.11	25.31	11	538	172	95	0.16	0.0	1.217	0.094	7	2	1	97
PL.815	PL.1216	ABC	#1/0 ACSR	7.43Y	123.9	0.02	1.13	24.99	11	531	170	95	0.08	0.0	1.266	0.048	1	0	1	96
PL.816	PL.815	ABC	#1/0 ACSR	7.42Y	123.7	0.13	1.26	24.96	11	530	169	95	0.45	0.1	1.539	0.273	2	1	1	95
PL.811	PL.816	ABC	#1/0 ACSR	7.42Y	123.7	0.08	1.34	24.85	11	527	168	95	0.28	0.1	1.707	0.168	0	0	0	94
PL.809	PL.811	ABC	#1/0 ACSR	7.42Y	123.6	0.03	1.37	24.85	11	527	168	95	0.12	0.0	1.777	0.070	0	0	1	94
PL.807	PL.809	ABC	#1/0 ACSR	7.42Y	123.6	0.03	1.39	24.69	11	524	167	95	0.10	0.0	1.836	0.059	0	0	1	91
PL.808	PL.807	ABC	#1/0 ACSR	7.41Y	123.6	0.03	1.42	24.69	11	523	167	95	0.10	0.0	1.896	0.060	12	4	5	90
PL.806	PL.808	ABC	#1/0 ACSR	7.41Y	123.6	0.03	1.45	24.12	10	511	163	95	0.09	0.0	1.959	0.063	27	9	6	85
PL.805	PL.806	ABC	#1/0 ACSR	7.41Y	123.5	0.03	1.48	22.83	10	484	154	95	0.10	0.0	2.036	0.077	25	8	5	79
PL.796	PL.805	ABC	#1/0 ACSR	7.41Y	123.5	0.03	1.51	14.71	6	312	99	95	0.05	0.0	2.132	0.096	5	2	2	52
PL.795	PL.796	ABC	#1/0 ACSR	7.41Y	123.5	0.04	1.55	14.47	6	306	98	95	0.09	0.0	2.288	0.157	9	3	2	50
PL.857	PL.795	ABC	#1/0 ACSR	7.41Y	123.4	0.02	1.56	14.06	6	298	95	95	0.03	0.0	2.349	0.061	7	2	2	48
PL.858	PL.857	ABC	#1/0 ACSR	7.40Y	123.4	0.04	1.60	13.72	6	290	93	95	0.08	0.0	2.502	0.153	0	0	0	46
PL.160	PL.858	ABC	#1/0 ACSR	7.40Y	123.4	0.00	1.60	1.64	1	35	11	95	0.00	0.0	2.551	0.049	0	0	0	4
PL.1091	PL.160	B	6 A (CWC)	7.40Y	123.4	0.00	1.60	4.92	4	35	11	95	0.00	0.0	2.556	0.005	0	0	0	4
PD.71	PL.1091	B	40QA	7.40Y	123.4	0.00	1.60	4.92	12	35	11	95	0.00	0.0	2.556	0.005	0	0	0	4
PL.1092	PD.71	B	6 A (CWC)	7.40Y	123.4	0.01	1.62	4.92	4	35	11	95	0.00	0.0	2.617	0.061	9	3	2	4

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Balanced Voltage Drop Report
Source: Big Creek

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.861	PL.1092	B	6 A (CWC)	7.40Y	123.4	0.01	1.62	3.69	3	26	8	96	0.00	0.0	2.680	0.062	26	8	2	2
PL.1269	PL.858	C	6 A (CWC)	7.40Y	123.4	0.00	1.61	36.23	26	256	81	95	0.01	0.0	2.505	0.003	0	0	0	42
PD.148	PL.1269	C	50L	7.40Y	123.4	0.00	1.61	36.23	72	256	81	95	0.00	0.0	2.505	0.003	0	0	0	42
PL.1270	PD.148	C	6 A (CWC)	7.40Y	123.3	0.14	1.75	36.23	26	256	81	95	0.27	0.1	2.589	0.084	0	0	1	42
PL.847	PL.1270	C	6 A (CWC)	7.38Y	123.0	0.30	2.05	36.23	26	255	81	95	0.57	0.2	2.771	0.182	2	1	1	41
PL.850	PL.847	C	6 A (CWC)	7.37Y	122.8	0.14	2.19	35.88	26	252	80	95	0.26	0.1	2.854	0.084	1	0	2	40
PL.151	PL.850	C	6 A (CWC)	7.37Y	122.8	0.06	2.25	35.75	26	251	80	95	0.11	0.0	2.893	0.039	35	11	3	38
PL.866	PL.151	C	6 A (CWC)	7.36Y	122.7	0.01	2.26	6.93	5	49	15	96	0.00	0.0	2.937	0.044	25	8	3	6
PL.867	PL.866	C	6 A (CWC)	7.36Y	122.7	0.01	2.27	3.31	2	23	7	96	0.00	0.0	3.112	0.175	23	7	2	3
PL.149	PL.867	C	#2 ACSR	7.36Y	122.7	0.00	2.27	0.08	0	1	0	100	0.00	0.0	3.169	0.057	1	0	1	1
PL.852	PL.151	C	6 A (CWC)	7.36Y	122.7	0.10	2.34	23.79	17	167	53	95	0.12	0.1	2.984	0.091	8	3	2	29
PL.853	PL.852	C	6 A (CWC)	7.36Y	122.6	0.03	2.37	22.60	16	159	50	95	0.03	0.0	3.012	0.028	8	2	2	27
PL.864	PL.853	C	6 A (CWC)	7.36Y	122.6	0.04	2.41	21.50	15	151	48	95	0.04	0.0	3.051	0.039	10	3	3	25
PL.865	PL.864	C	6 A (CWC)	7.35Y	122.5	0.07	2.48	20.05	14	141	45	95	0.07	0.1	3.130	0.079	12	4	4	22
PL.152	PL.865	C	6 A (CWC)	7.35Y	122.5	0.00	2.48	0.00	0	0	0	100	0.00	0.0	3.175	0.045	0	0	0	0
PL.941	PL.865	C	6 A (CWC)	7.35Y	122.5	0.06	2.54	18.31	13	128	41	95	0.05	0.0	3.199	0.068	12	4	2	18
PL.854	PL.941	C	#4 ACSR	7.35Y	122.5	0.00	2.54	2.21	2	15	5	95	0.00	0.0	3.258	0.059	15	5	2	2
PL.856	PL.941	C	6 A (CWC)	7.34Y	122.4	0.05	2.59	14.36	10	101	32	95	0.03	0.0	3.295	0.096	44	14	5	14
PL.862	PL.856	C	6 A (CWC)	7.34Y	122.4	0.04	2.62	8.13	6	57	18	95	0.01	0.0	3.418	0.123	26	8	6	9
PL.863	PL.862	C	6 A (CWC)	7.34Y	122.4	0.01	2.64	4.48	3	31	10	95	0.00	0.0	3.505	0.087	12	4	2	3
PL.943	PL.863	C	6 A (CWC)	7.34Y	122.4	0.00	2.64	2.76	2	19	6	95	0.00	0.0	3.553	0.048	19	6	1	1
PL.1207	PL.805	C	#1/0 ACSR	7.41Y	123.5	0.00	1.48	18.88	8	133	42	95	0.00	0.0	2.041	0.005	0	0	0	20
PD.132	PL.1207	C	40QA	7.41Y	123.5	0.00	1.48	18.88	47	133	42	95	0.00	0.0	2.041	0.005	0	0	0	20
PL.1208	PD.132	C	#1/0 ACSR	7.41Y	123.5	0.02	1.50	18.88	8	133	42	95	0.02	0.0	2.092	0.051	16	5	2	20
PL.153	PL.1208	C	#4 ACSR	7.41Y	123.5	0.00	1.50	0.27	0	2	1	89	0.00	0.0	2.135	0.043	2	1	1	1
PL.154	PL.1208	C	#6 HdCu -	7.41Y	123.5	0.03	1.54	16.39	13	116	37	95	0.03	0.0	2.136	0.045	8	3	1	17
PL.803	PL.154	C	#4 ACSR	7.41Y	123.4	0.02	1.56	15.22	12	108	34	95	0.01	0.0	2.173	0.037	39	12	5	16
PL.804	PL.803	C	#4 ACSR	7.41Y	123.4	0.02	1.57	9.76	8	69	22	95	0.01	0.0	2.218	0.044	11	4	3	11
PL.802	PL.804	C	#4 ACSR	7.40Y	123.4	0.02	1.59	8.16	6	58	18	96	0.01	0.0	2.280	0.062	14	5	1	8
PL.4510	PL.802	C	#4 ACSR	7.40Y	123.4	0.00	1.60	6.10	5	43	14	95	0.00	0.0	2.292	0.012	19	6	2	7
PL.4511	PL.4510	C	#4 ACSR	7.40Y	123.4	0.00	1.60	3.47	3	24	8	95	0.00	0.0	2.324	0.032	4	1	2	5

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Balanced Voltage Drop Report
Source: Big Creek

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.801	PL.4511	C	#4 ACSR	7.40Y	123.4	0.00	1.60	2.85	2	20	6	96	0.00	0.0	2.345	0.021	5	2	1	3
PL.799	PL.801	C	#4 ACSR	7.40Y	123.4	0.01	1.61	2.13	2	15	5	95	0.00	0.0	2.428	0.083	0	0	0	2
PL.800	PL.799	C	#4 ACSR	7.40Y	123.4	0.00	1.62	2.13	2	15	5	95	0.00	0.0	2.462	0.034	3	1	1	2
PL.798	PL.800	C	#4 ACSR	7.40Y	123.4	0.00	1.62	1.76	1	12	4	95	0.00	0.0	2.495	0.033	0	0	0	1
PL.155	PL.798	C	#4 ACSR	7.40Y	123.4	0.00	1.62	1.76	1	12	4	95	0.00	0.0	2.543	0.048	12	4	1	1
PL.1205	PL.805	C	#1/0 ACSR	7.41Y	123.5	0.00	1.48	1.97	1	14	4	96	0.00	0.0	2.041	0.005	0	0	0	2
PD.131	PL.1205	C	40QA	7.41Y	123.5	0.00	1.48	1.97	5	14	4	96	0.00	0.0	2.041	0.005	0	0	0	2
PL.1206	PD.131	C	#1/0 ACSR	7.41Y	123.5	0.00	1.48	1.97	1	14	4	96	0.00	0.0	2.058	0.017	14	4	2	2
PL.1093	PL.809	A	6 A (CWC)	7.42Y	123.6	0.00	1.37	0.47	0	3	1	95	0.00	0.0	1.782	0.005	0	0	0	2
PD.72	PL.1093	A	40QA	7.42Y	123.6	0.00	1.37	0.47	1	3	1	95	0.00	0.0	1.782	0.005	0	0	0	2
PL.1094	PD.72	A	6 A (CWC)	7.42Y	123.6	0.00	1.37	0.47	0	3	1	95	0.00	0.0	1.795	0.013	3	1	2	2
PL.1213	PL.1380	C	6 A (CWC)	7.44Y	123.9	0.00	1.07	5.01	4	36	11	96	0.00	0.0	1.124	0.004	0	0	0	4
PD.136	PL.1213	C	40QA	7.44Y	123.9	0.00	1.07	5.01	13	36	11	96	0.00	0.0	1.124	0.004	0	0	0	4
PL.1214	PD.136	C	6 A (CWC)	7.44Y	123.9	0.00	1.07	5.01	4	36	11	96	0.00	0.0	1.139	0.016	0	0	0	4
PL.895	PL.1214	C	#4 ACSR	7.44Y	123.9	0.00	1.07	5.01	4	36	11	96	0.00	0.0	1.154	0.014	15	5	2	4
PL.896	PL.895	C	#4 ACSR	7.44Y	123.9	0.00	1.07	2.96	2	21	7	95	0.00	0.0	1.180	0.026	21	7	2	2
PL.1109	PL.1380	A	6 A (CWC)	7.44Y	123.9	0.01	1.07	24.63	18	175	55	95	0.01	0.0	1.124	0.005	0	0	0	27
PD.79	PL.1109	A	65QA	7.44Y	123.9	0.00	1.07	24.63	0	175	55	95	0.00	0.0	1.124	0.005	0	0	0	27
PL.1110	PD.79	A	6 A (CWC)	7.43Y	123.9	0.04	1.11	24.63	18	175	55	95	0.05	0.0	1.157	0.034	21	7	2	27
PL.817	PL.1110	A	6 A (CWC)	7.43Y	123.9	0.02	1.13	21.71	16	154	49	95	0.02	0.0	1.180	0.023	16	5	4	25
PL.230	PL.817	A	6 A (CWC)	7.43Y	123.8	0.05	1.18	19.52	14	138	44	95	0.05	0.0	1.241	0.061	9	3	2	21
PL.231	PL.230	A	#4 ACSR	7.43Y	123.8	0.00	1.18	1.47	1	10	3	96	0.00	0.0	1.275	0.033	10	3	2	2
PL.232	PL.230	A	#6 HdCu -	7.43Y	123.8	0.05	1.23	13.41	10	95	30	95	0.03	0.0	1.320	0.078	0	0	0	11
PL.236	PL.232	A	#6 HdCu -	7.42Y	123.7	0.02	1.25	13.41	10	95	30	95	0.01	0.0	1.360	0.040	39	12	4	11
PL.237	PL.236	A	#6 HdCu -	7.42Y	123.7	0.01	1.26	7.85	6	56	18	95	0.00	0.0	1.381	0.021	15	5	2	7
PL.813	PL.237	A	#4 ACSR	7.42Y	123.7	0.00	1.26	5.72	4	41	13	95	0.00	0.0	1.399	0.019	28	9	4	5
PL.814	PL.813	A	#4 ACSR	7.42Y	123.7	0.00	1.26	1.71	1	12	4	95	0.00	0.0	1.412	0.013	12	4	1	1
PL.936	PL.814	A	#4 ACSR	7.42Y	123.7	0.00	1.26	0.00	0	0	0	100	0.00	0.0	1.485	0.073	0	0	0	0
PL.233	PL.230	A	6 A (CWC)	7.43Y	123.8	0.00	1.19	3.41	2	24	8	95	0.00	0.0	1.281	0.039	12	4	4	6
PL.234	PL.233	A	6 A (CWC)	7.43Y	123.8	0.00	1.19	1.68	1	12	4	95	0.00	0.0	1.342	0.061	12	4	2	2
PL.1217	PL.898	B	6 A (CWC)	7.44Y	124.0	0.00	1.01	8.08	6	57	18	95	0.00	0.0	1.044	0.005	0	0	0	6

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

Balanced Voltage Drop Report
Source: Big Creek

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.137	PL.1217	B	40QA	7.44Y	124.0	0.00	1.01	8.08	20	57	18	95	0.00	0.0	1.044	0.005	0	0	0	6
PL.1218	PD.137	B	6 A (CWC)	7.44Y	124.0	0.00	1.02	8.08	6	57	18	95	0.00	0.0	1.057	0.013	14	4	2	6
PL.239	PL.1218	B	#4 ACSR	7.44Y	124.0	0.01	1.03	6.09	5	43	14	95	0.00	0.0	1.099	0.042	0	0	0	4
PL.240	PL.239	B	#4 ACSR	7.44Y	124.0	0.00	1.03	3.18	2	23	7	96	0.00	0.0	1.133	0.034	23	7	3	3
PL.241	PL.239	B	#2 ACSR	7.44Y	124.0	0.00	1.03	2.91	2	21	7	95	0.00	0.0	1.127	0.029	21	7	1	1
PL.1111	PL.898	C	6 A (CWC)	7.44Y	124.0	0.00	1.01	3.00	2	21	7	95	0.00	0.0	1.044	0.004	0	0	0	3
PD.80	PL.1111	C	40QA	7.44Y	124.0	0.00	1.01	3.00	7	21	7	95	0.00	0.0	1.044	0.004	0	0	0	3
PL.1112	PD.80	C	6 A (CWC)	7.44Y	124.0	0.00	1.01	3.00	2	21	7	95	0.00	0.0	1.067	0.023	21	7	3	3
PL.1211	PL.217	A	6 A (CWC)	7.45Y	124.2	0.00	0.77	2.87	2	20	6	96	0.00	0.0	0.764	0.005	0	0	0	5
PD.135	PL.1211	A	40QA	7.45Y	124.2	0.00	0.77	2.87	7	20	6	96	0.00	0.0	0.764	0.005	0	0	0	5
PL.1212	PD.135	A	6 A (CWC)	7.45Y	124.2	0.00	0.78	2.87	2	20	6	96	0.00	0.0	0.810	0.046	20	6	5	5
PL.882	PL.884	C	#2 ACSR	7.46Y	124.3	0.00	0.68	2.27	1	16	5	95	0.00	0.0	0.705	0.038	16	5	3	3
PL.215	PL.257	A	6 A (CWC)	7.46Y	124.4	0.00	0.59	0.00	0	0	0	100	0.00	0.0	0.620	0.043	0	0	0	0
PL.1099	PL.64937	A	#4 ACSR	7.49Y	124.9	0.00	0.09	4.78	4	34	11	95	0.00	0.0	0.099	0.005	0	0	0	6
PD.74	PL.1099	A	20T	7.49Y	124.9	0.00	0.09	4.78	0	34	11	95	0.00	0.0	0.099	0.005	0	0	0	6
PL.1100	PD.74	A	#4 ACSR	7.49Y	124.9	0.01	0.10	4.78	4	34	11	95	0.00	0.0	0.152	0.052	13	4	4	6
PL.819	PL.1100	A	#4 ACSR	7.49Y	124.9	0.00	0.10	3.00	2	21	7	95	0.00	0.0	0.188	0.036	5	1	1	2
PL.820	PL.819	A	#4 ACSR	7.49Y	124.9	0.00	0.11	2.36	2	17	5	96	0.00	0.0	0.221	0.033	17	5	1	1
PL.64976	Big Creek	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	38.19	7	818	263	95	0.01	0.0	0.007	0.007	0	0	0	170
PL.64977	PL.64976	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	38.19	7	818	263	95	0.01	0.0	0.014	0.007	0	0	0	170
---------- Feeder No. 1 (Jacks Creek F1) Beginning with Device PD.9986 ----------																				
PD.9986	PL.64977	ABC	480VWE	7.50Y	125.0	0.00	0.00	38.19	0	818	263	95	0.00	0.0	0.014	0.007	0	0	0	170
PL.64948	PD.9986	ABC	336 MCM AC	7.50Y	125.0	0.00	0.01	38.19	7	818	263	95	0.01	0.0	0.024	0.010	0	0	0	170
PL.64953	PL.64948	ABC	336 MCM AC	7.50Y	124.9	0.05	0.06	38.19	7	818	263	95	0.20	0.0	0.191	0.167	0	0	0	170
PL.28275	PL.64953	ABC	336 MCM AC	7.49Y	124.9	0.04	0.10	38.19	7	818	263	95	0.17	0.0	0.328	0.137	0	0	0	170
PL.27931	PL.28275	ABC	336 MCM AC	7.49Y	124.9	0.03	0.12	38.19	7	818	262	95	0.11	0.0	0.414	0.086	0	0	0	170
PL.27933	PL.27931	ABC	336 MCM AC	7.49Y	124.9	0.01	0.13	37.93	7	812	260	95	0.03	0.0	0.437	0.023	0	0	0	169
PL.27934	PL.27933	ABC	336 MCM AC	7.49Y	124.8	0.02	0.15	37.93	7	812	260	95	0.10	0.0	0.520	0.083	0	0	0	169
PL.27936	PL.27934	ABC	336 MCM AC	7.49Y	124.8	0.01	0.17	37.93	7	812	260	95	0.04	0.0	0.557	0.037	0	0	0	169

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Balanced Voltage Drop Report
Source: Big Creek

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.11234	PL.27936	C	#4 ACSR	7.49Y	124.8	0.00	0.17	0.04	0	0	0	100	0.00	0.0	0.612	0.055	0	0	1	1
PL.27938	PL.27936	A	#4 ACSR	7.49Y	124.8	0.01	0.17	5.75	4	41	13	95	0.00	0.0	0.592	0.035	2	1	1	4
PL.11233	PL.27938	A	#4 ACSR	7.49Y	124.8	0.01	0.18	5.50	4	39	12	96	0.00	0.0	0.630	0.038	0	0	0	3
PL.10918	PL.11233	A	#4 ACSR	7.49Y	124.8	0.01	0.19	5.50	4	39	12	96	0.00	0.0	0.686	0.056	39	12	3	3
PL.27940	PL.27936	ABC	336 MCM AC	7.49Y	124.8	0.02	0.19	36.00	7	770	247	95	0.09	0.0	0.643	0.086	0	0	0	164
PL.27941	PL.27940	ABC	336 MCM AC	7.49Y	124.8	0.02	0.20	28.80	6	616	197	95	0.05	0.0	0.712	0.069	2	1	1	157
PL.27945	PL.27941	ABC	336 MCM AC	7.49Y	124.8	0.02	0.23	28.70	6	614	197	95	0.08	0.0	0.823	0.111	0	0	0	156
PL.27946	PL.27945	ABC	336 MCM AC	7.48Y	124.7	0.03	0.26	28.70	6	614	197	95	0.10	0.0	0.962	0.139	0	0	0	156
PL.27957	PL.27946	ABC	336 MCM AC	7.48Y	124.7	0.02	0.28	28.70	6	614	196	95	0.07	0.0	1.061	0.100	0	0	0	156
PL.27959	PL.27957	ABC	336 MCM AC	7.48Y	124.7	0.01	0.30	28.70	6	614	196	95	0.04	0.0	1.122	0.061	3	1	1	156
PL.27960	PL.27959	ABC	336 MCM AC	7.48Y	124.7	0.01	0.31	28.58	6	611	195	95	0.04	0.0	1.178	0.055	4	1	2	155
PL.27962	PL.27960	ABC	336 MCM AC	7.48Y	124.7	0.01	0.32	28.37	5	607	194	95	0.04	0.0	1.230	0.053	7	2	1	153
PL.27963	PL.27962	ABC	336 MCM AC	7.48Y	124.7	0.01	0.33	28.04	5	600	191	95	0.04	0.0	1.292	0.062	0	0	0	152
PL.27997	PL.27963	ABC	336 MCM AC	7.48Y	124.7	0.01	0.35	28.04	5	600	191	95	0.04	0.0	1.350	0.058	8	3	1	152
PL.27998	PL.27997	ABC	336 MCM AC	7.48Y	124.6	0.03	0.37	27.66	5	591	189	95	0.08	0.0	1.477	0.128	0	0	0	151
PL.11335	PL.27998	C	6 A (CWC)	7.48Y	124.6	0.00	0.38	21.74	16	155	49	95	0.01	0.0	1.482	0.005	0	0	0	28
PD.2014	PL.11335	C	12T	7.48Y	124.6	0.00	0.38	21.74	0	155	49	95	0.00	0.0	1.482	0.005	0	0	0	28
PL.11336	PD.2014	C	6 A (CWC)	7.47Y	124.5	0.12	0.50	21.74	16	155	49	95	0.13	0.1	1.599	0.117	0	0	0	28
PL.10919	PL.11336	C	6 A (CWC)	7.47Y	124.5	0.01	0.51	3.62	3	26	8	96	0.00	0.0	1.679	0.080	11	4	1	5
PL.10920	PL.10919	C	#4 ACSR	7.47Y	124.5	0.00	0.51	0.03	0	0	0	100	0.00	0.0	1.742	0.063	0	0	1	1
PL.11226	PL.10919	C	6 A (CWC)	7.47Y	124.5	0.01	0.51	1.99	1	14	4	96	0.00	0.0	1.766	0.087	4	1	2	3
PL.11227	PL.11226	C	6 A (CWC)	7.47Y	124.5	0.00	0.51	1.45	1	10	3	96	0.00	0.0	1.797	0.031	10	3	1	1
PL.11200	PL.11336	C	6 A (CWC)	7.47Y	124.5	0.03	0.52	18.12	13	129	41	95	0.03	0.0	1.635	0.036	14	4	1	23
PL.11201	PL.11200	C	6 A (CWC)	7.47Y	124.4	0.04	0.57	16.17	12	115	37	95	0.04	0.0	1.690	0.055	0	0	0	22
PL.11062	PL.11201	C	6 A (CWC)	7.46Y	124.4	0.04	0.60	16.14	12	115	36	95	0.03	0.0	1.740	0.050	3	1	2	20
PL.11202	PL.11062	C	6 A (CWC)	7.46Y	124.4	0.02	0.63	15.72	11	112	35	95	0.02	0.0	1.774	0.034	1	0	1	18
PL.11203	PL.11202	C	6 A (CWC)	7.46Y	124.3	0.02	0.65	15.56	11	111	35	95	0.02	0.0	1.812	0.038	21	7	3	17
PL.11063	PL.11203	C	6 A (CWC)	7.46Y	124.3	0.02	0.67	11.31	8	80	25	95	0.01	0.0	1.851	0.039	12	4	3	13
PL.10927	PL.11063	C	6 A (CWC)	7.46Y	124.3	0.01	0.68	3.06	2	22	7	95	0.00	0.0	1.948	0.097	0	0	0	4
PL.10575	PL.10927	C	6 A (CWC)	7.46Y	124.3	0.01	0.70	3.06	2	22	7	95	0.00	0.0	2.054	0.106	0	0	0	4
PL.10939	PL.10575	C	6 A (CWC)	7.46Y	124.3	0.01	0.71	3.06	2	22	7	95	0.00	0.0	2.108	0.054	0	0	0	4

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Balanced Voltage Drop Report
Source: Big Creek

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.10929	PL.10939	C	#4 ACSR	7.46Y	124.3	0.01	0.72	3.06	2	22	7	95	0.00	0.0	2.204	0.095	0	0	0	4
PL.10576	PL.10929	C	#4 ACSR	7.46Y	124.3	0.01	0.73	3.06	2	22	7	95	0.00	0.0	2.290	0.086	0	0	0	4
PL.10577	PL.10576	C	#4 ACSR	7.45Y	124.2	0.02	0.75	3.06	2	22	7	95	0.00	0.0	2.422	0.132	0	0	0	4
PL.11005	PL.10577	C	#4 ACSR	7.45Y	124.2	0.00	0.75	3.06	2	22	7	95	0.00	0.0	2.481	0.059	22	7	4	4
PL.11198	PL.11063	C	6 A (CWC)	7.46Y	124.3	0.02	0.69	6.60	5	47	15	95	0.00	0.0	1.912	0.061	17	5	1	6
PL.11199	PL.11198	C	6 A (CWC)	7.46Y	124.3	0.01	0.70	4.28	3	30	10	95	0.00	0.0	1.978	0.066	16	5	1	5
PL.11197	PL.11199	C	6 A (CWC)	7.46Y	124.3	0.00	0.70	2.00	1	14	5	94	0.00	0.0	2.024	0.046	0	0	0	4
PL.11195	PL.11197	C	6 A (CWC)	7.46Y	124.3	0.00	0.70	2.00	1	14	5	94	0.00	0.0	2.066	0.042	9	3	2	4
PL.11196	PL.11195	C	6 A (CWC)	7.46Y	124.3	0.00	0.70	0.79	1	6	2	95	0.00	0.0	2.120	0.053	6	2	2	2
PL.10926	PL.11203	C	#4 ACSR	7.46Y	124.3	0.00	0.65	1.33	1	9	3	95	0.00	0.0	1.861	0.049	9	3	1	1
PL.10925	PL.11062	C	#2 ACSR	7.46Y	124.4	0.00	0.60	0.00	0	0	0	100	0.00	0.0	1.801	0.061	0	0	0	0
PL.10924	PL.11201	C	6 A (CWC)	7.47Y	124.4	0.00	0.57	0.03	0	0	0	100	0.00	0.0	1.759	0.069	0	0	2	2
PL.27968	PL.27998	ABC	336 MCM AC	7.48Y	124.6	0.02	0.39	20.42	4	436	139	95	0.04	0.0	1.604	0.126	3	1	1	123
PL.27969	PL.27968	ABC	336 MCM AC	7.48Y	124.6	0.01	0.40	20.29	4	434	138	95	0.01	0.0	1.644	0.040	0	0	0	122
PL.27972	PL.27969	C	#1/0 ACSR	7.48Y	124.6	0.00	0.40	0.20	0	1	0	100	0.00	0.0	1.647	0.003	0	0	0	1
PD.3864	PL.27972	C	12T	7.48Y	124.6	0.00	0.40	0.20	0	1	0	100	0.00	0.0	1.647	0.003	0	0	0	1
PL.27973	PD.3864	C	#1/0 ACSR	7.48Y	124.6	0.00	0.40	0.20	0	1	0	100	0.00	0.0	1.663	0.016	1	0	1	1
PL.11338	PL.27973	C	#4 ACSR	7.48Y	124.6	0.00	0.40	0.00	0	0	0	100	0.00	0.0	1.681	0.018	0	0	0	0
PL.27993	PL.27969	ABC	336 MCM AC	7.48Y	124.6	0.01	0.41	20.22	4	432	138	95	0.01	0.0	1.679	0.035	0	0	0	121
PL.27994	PL.27993	ABC	336 MCM AC	7.48Y	124.6	0.01	0.41	17.96	3	384	122	95	0.02	0.0	1.744	0.065	0	0	0	115
PL.27978	PL.27994	C	#4 ACSR	7.48Y	124.6	0.00	0.42	3.01	2	21	7	95	0.00	0.0	1.748	0.004	0	0	0	6
PD.3866	PL.27978	C	12T	7.48Y	124.6	0.00	0.42	3.01	0	21	7	95	0.00	0.0	1.748	0.004	0	0	0	6
PL.27979	PD.3866	C	#4 ACSR	7.47Y	124.6	0.01	0.42	3.01	2	21	7	95	0.00	0.0	1.808	0.060	3	1	1	6
PL.10915	PL.27979	C	#4 ACSR	7.47Y	124.6	0.01	0.43	2.63	2	19	6	95	0.00	0.0	1.881	0.073	1	0	1	5
PL.10917	PL.10915	C	#2 ACSR	7.47Y	124.6	0.00	0.43	1.05	1	8	2	97	0.00	0.0	1.906	0.025	2	1	1	3
PL.10914	PL.10917	C	#2 ACSR	7.47Y	124.6	0.00	0.43	0.73	0	5	2	93	0.00	0.0	2.026	0.119	5	2	2	2
PL.10916	PL.10915	C	#2 ACSR	7.47Y	124.6	0.00	0.43	1.45	1	10	3	96	0.00	0.0	1.913	0.032	10	3	1	1
PL.27977	PL.27994	ABC	336 MCM AC	7.47Y	124.6	0.01	0.42	16.96	3	362	116	95	0.02	0.0	1.811	0.067	0	0	0	109
PL.27980	PL.27977	ABC	336 MCM AC	7.47Y	124.6	0.02	0.44	16.96	3	362	116	95	0.03	0.0	1.951	0.139	0	0	0	109
PL.27981	PL.27980	ABC	336 MCM AC	7.47Y	124.5	0.02	0.46	16.96	3	362	115	95	0.03	0.0	2.067	0.116	0	0	0	109
PL.27990	PL.27981	ABC	336 MCM AC	7.47Y	124.5	0.02	0.47	16.96	3	362	115	95	0.03	0.0	2.191	0.124	0	0	0	109

KEY-> 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: Big Creek

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.27989	PL.27990	C	8 A (CWC)	7.47Y	124.5	0.00	0.47	0.19	0	1	0	100	0.00	0.0	2.195	0.004	0	0	0	2
PD.3869	PL.27989	C	20T	7.47Y	124.5	0.00	0.47	0.19	0	1	0	100	0.00	0.0	2.195	0.004	0	0	0	2
PL.27983	PD.3869	C	6 A (CWC)	7.47Y	124.5	0.00	0.47	0.19	0	1	0	100	0.00	0.0	2.288	0.093	0	0	0	2
PL.11342	PL.27983	C	6 A (CWC)	7.47Y	124.5	0.00	0.48	0.19	0	1	0	100	0.00	0.0	2.408	0.120	1	0	1	2
PL.11208	PL.11342	C	6 A (CWC)	7.47Y	124.5	0.00	0.48	0.08	0	1	0	100	0.00	0.0	2.483	0.076	1	0	1	1
PL.27991	PL.27990	ABC	336 MCM AC	7.47Y	124.5	0.01	0.48	16.07	3	343	109	95	0.01	0.0	2.254	0.062	0	0	0	104
PL.27987	PL.27991	ABC	336 MCM AC	7.47Y	124.5	0.02	0.50	16.07	3	343	109	95	0.04	0.0	2.424	0.170	0	0	0	104
PL.65727	PL.27987	ABC	336 MCM AC	7.47Y	124.5	0.01	0.51	16.07	3	343	109	95	0.02	0.0	2.501	0.077	0	0	0	104
PD.9578	PL.65727	ABC	70L	7.47Y	124.5	0.00	0.51	16.07	23	343	109	95	0.00	0.0	2.501	0.077	0	0	0	104
PL.65728	PD.9578	ABC	336 MCM AC	7.47Y	124.5	0.01	0.52	16.07	3	343	109	95	0.01	0.0	2.556	0.055	0	0	0	104
PL.11236	PL.65728	ABC	336 MCM AC	7.47Y	124.5	0.01	0.53	12.82	2	274	87	95	0.01	0.0	2.632	0.076	4	1	1	82
PL.11235	PL.11236	ABC	336 MCM AC	7.47Y	124.5	0.00	0.53	12.62	2	270	86	95	0.01	0.0	2.681	0.049	0	0	0	81
PL.11352	PL.11235	ABC	336 MCM AC	7.47Y	124.5	0.02	0.55	12.62	2	270	86	95	0.02	0.0	2.842	0.161	0	0	0	81
PL.11351	PL.11352	ABC	336 MCM AC	7.47Y	124.5	0.00	0.55	12.62	2	270	86	95	0.00	0.0	2.846	0.004	2	1	1	81
PL.10963	PL.11351	ABC	336 MCM AC	7.47Y	124.4	0.00	0.55	12.34	2	263	84	95	0.00	0.0	2.884	0.038	2	1	1	79
PL.10905	PL.10963	ABC	336 MCM AC	7.47Y	124.4	0.01	0.56	12.24	2	261	83	95	0.01	0.0	2.996	0.112	0	0	0	78
PL.10907	PL.10905	A	#4 ACSR	7.47Y	124.4	0.00	0.56	1.02	1	7	2	96	0.00	0.0	3.001	0.005	0	0	0	3
PD.2021	PL.10907	A	20T	7.47Y	124.4	0.00	0.56	1.02	0	7	2	96	0.00	0.0	3.001	0.005	0	0	0	3
PL.11055	PD.2021	A	#4 ACSR	7.47Y	124.4	0.00	0.56	0.43	0	3	1	95	0.00	0.0	3.010	0.009	0	0	0	1
PL.11056	PL.11055	A	#4 ACSR	7.47Y	124.4	0.00	0.56	0.43	0	3	1	95	0.00	0.0	3.010	0.000	0	0	0	1
PL.10906	PL.11056	A	#4 ACSR	7.47Y	124.4	0.00	0.56	0.43	0	3	1	95	0.00	0.0	3.087	0.077	3	1	1	1
PL.10962	PD.2021	A	#4 ACSR	7.47Y	124.4	0.00	0.56	0.59	0	4	1	97	0.00	0.0	3.022	0.021	4	1	2	2
PL.11057	PL.10905	ABC	336 MCM AC	7.47Y	124.4	0.00	0.56	11.90	2	254	81	95	0.00	0.0	3.001	0.004	0	0	0	75
PL.11225	PL.11057	ABC	336 MCM AC	7.47Y	124.4	0.01	0.57	11.90	2	254	81	95	0.01	0.0	3.106	0.105	5	2	2	75
PL.11224	PL.11225	ABC	336 MCM AC	7.47Y	124.4	0.01	0.58	11.68	2	249	79	95	0.01	0.0	3.187	0.081	0	0	0	73
PL.10566	PL.11224	ABC	336 MCM AC	7.46Y	124.4	0.01	0.59	11.68	2	249	79	95	0.01	0.0	3.280	0.093	0	0	0	73
PL.10565	PL.10566	ABC	336 MCM AC	7.46Y	124.4	0.01	0.60	11.68	2	249	79	95	0.01	0.0	3.404	0.124	0	0	0	73
PL.11213	PL.10565	ABC	336 MCM AC	7.46Y	124.4	0.01	0.61	11.68	2	249	79	95	0.01	0.0	3.520	0.116	6	2	4	73
PL.11212	PL.11213	ABC	336 MCM AC	7.46Y	124.4	0.00	0.61	11.41	2	244	77	95	0.00	0.0	3.561	0.041	0	0	0	69
PL.11345	PL.11212	A	#4 ACSR	7.46Y	124.4	0.00	0.61	1.36	1	10	3	96	0.00	0.0	3.566	0.005	0	0	0	2
PD.2018	PL.11345	A	20T	7.46Y	124.4	0.00	0.61	1.36	0	10	3	96	0.00	0.0	3.566	0.005	0	0	0	2

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Balanced Voltage Drop Report
Source: Big Creek

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.11346	PD.2018	A	#4 ACSR	7.46Y	124.4	0.00	0.61	1.36	1	10	3	96	0.00	0.0	3.595	0.029	8	2	1	2
PL.11211	PL.11346	A	#4 ACSR	7.46Y	124.4	0.00	0.62	0.25	0	2	1	89	0.00	0.0	3.648	0.053	2	1	1	1
PL.10961	PL.11212	ABC	336 MCM AC	7.46Y	124.4	0.01	0.62	10.96	2	234	74	95	0.01	0.0	3.624	0.063	0	0	0	67
PL.11347	PL.10961	A	#1/0 ACSR	7.46Y	124.4	0.00	0.62	1.67	1	12	4	95	0.00	0.0	3.629	0.005	0	0	0	3
PD.2019	PL.11347	A	20T	7.46Y	124.4	0.00	0.62	1.67	0	12	4	95	0.00	0.0	3.629	0.005	0	0	0	3
PL.11348	PD.2019	A	#1/0 ACSR	7.46Y	124.4	0.00	0.62	1.67	1	12	4	95	0.00	0.0	3.647	0.018	5	1	2	3
PL.11216	PL.11348	A	#1/0 ACSR	7.46Y	124.4	0.00	0.62	1.02	0	7	2	96	0.00	0.0	3.684	0.038	7	2	1	1
PL.11215	PL.10961	ABC	336 MCM AC	7.46Y	124.4	0.01	0.63	10.40	2	222	70	95	0.01	0.0	3.743	0.119	2	1	1	64
PL.11214	PL.11215	ABC	336 MCM AC	7.46Y	124.4	0.01	0.64	10.31	2	220	70	95	0.01	0.0	3.879	0.136	0	0	0	63
PL.10877	PL.11214	ABC	336 MCM AC	7.46Y	124.4	0.00	0.64	5.25	1	112	36	95	0.00	0.0	3.969	0.090	0	0	0	31
PL.10957	PL.10877	ABC	336 MCM AC	7.46Y	124.4	0.00	0.65	5.25	1	112	36	95	0.00	0.0	4.091	0.121	0	0	0	31
PL.10872	PL.10957	ABC	336 MCM AC	7.46Y	124.3	0.00	0.65	4.27	1	91	29	95	0.00	0.0	4.235	0.144	0	0	0	20
PL.10600	PL.10872	ABC	336 MCM AC	7.46Y	124.3	0.00	0.66	4.27	1	91	29	95	0.00	0.0	4.368	0.133	0	0	0	20
PL.11117	PL.10600	ABC	336 MCM AC	7.46Y	124.3	0.00	0.66	4.27	1	91	29	95	0.00	0.0	4.517	0.149	0	0	1	20
PL.11116	PL.11117	ABC	336 MCM AC	7.46Y	124.3	0.00	0.67	4.26	1	91	29	95	0.00	0.0	4.628	0.112	0	0	0	19
PL.11408	PL.11116	ABC	336 MCM AC	7.46Y	124.3	0.00	0.67	4.26	1	91	29	95	0.00	0.0	4.737	0.109	0	0	0	19
PD.2049	PL.11408	ABC	50L	7.46Y	124.3	0.00	0.67	4.26	9	91	29	95	0.00	0.0	4.737	0.109	0	0	0	19
PL.11407	PD.2049	ABC	336 MCM AC	7.46Y	124.3	0.00	0.67	4.26	1	91	29	95	0.00	0.0	4.787	0.050	0	0	0	19
PL.10871	PL.11407	ABC	336 MCM AC	7.46Y	124.3	0.01	0.68	4.26	1	91	29	95	0.00	0.0	4.954	0.167	0	0	0	19
PL.10870	PL.10871	ABC	336 MCM AC	7.46Y	124.3	0.01	0.68	4.26	1	91	29	95	0.00	0.0	5.107	0.153	0	0	0	19
PL.10869	PL.10870	ABC	336 MCM AC	7.46Y	124.3	0.01	0.69	4.26	1	91	29	95	0.00	0.0	5.280	0.173	0	0	0	19
PL.10868	PL.10869	ABC	336 MCM AC	7.46Y	124.3	0.00	0.69	4.26	1	91	29	95	0.00	0.0	5.392	0.112	0	0	0	19
PL.10867	PL.10868	ABC	336 MCM AC	7.46Y	124.3	0.00	0.70	4.26	1	91	29	95	0.00	0.0	5.538	0.146	0	0	0	19
PL.10866	PL.10867	ABC	336 MCM AC	7.46Y	124.3	0.01	0.70	4.26	1	91	29	95	0.00	0.0	5.703	0.165	0	0	0	19
PL.10956	PL.10866	ABC	336 MCM AC	7.46Y	124.3	0.00	0.71	4.26	1	91	29	95	0.00	0.0	5.826	0.122	0	0	0	19
PL.10599	PL.10956	ABC	336 MCM AC	7.46Y	124.3	0.00	0.71	3.27	1	70	22	95	0.00	0.0	5.932	0.107	0	0	0	13
PL.11109	PL.10599	B	#1/0 ACSR	7.46Y	124.3	0.02	0.73	9.80	4	70	22	95	0.01	0.0	6.020	0.087	9	3	1	13
PL.11367	PL.11109	B	#1/0 ACSR	7.46Y	124.3	0.00	0.73	8.52	4	61	19	95	0.00	0.0	6.024	0.005	0	0	0	12
PD.2030	PL.11367	B	40T	7.46Y	124.3	0.00	0.73	8.52	0	61	19	95	0.00	0.0	6.024	0.005	0	0	0	12
PL.11368	PD.2030	B	#1/0 ACSR	7.46Y	124.3	0.01	0.74	8.52	4	61	19	95	0.00	0.0	6.087	0.063	0	0	0	12
PL.11385	PL.11368	B	#2 ACSR	7.46Y	124.3	0.00	0.74	5.89	3	42	13	96	0.00	0.0	6.092	0.005	0	0	0	8

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Balanced Voltage Drop Report
Source: Big Creek

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.2038	PL.11385	B	25T	7.46Y	124.3	0.00	0.74	5.89	0	42	13	96	0.00	0.0	6.092	0.005	0	0	0	8
PL.11386	PD.2038	B	#2 ACSR	7.45Y	124.2	0.01	0.75	5.89	3	42	13	96	0.00	0.0	6.163	0.071	0	0	0	8
PL.11053	PL.11386	B	6 A (CWC)	7.45Y	124.2	0.02	0.77	4.29	3	30	10	95	0.00	0.0	6.262	0.100	4	1	2	7
PL.11054	PL.11053	B	6 A (CWC)	7.45Y	124.2	0.01	0.78	1.73	1	12	4	95	0.00	0.0	6.343	0.081	0	0	0	3
PL.10864	PL.11054	B	6 A (CWC)	7.45Y	124.2	0.01	0.79	1.73	1	12	4	95	0.00	0.0	6.472	0.129	0	0	0	3
PL.10865	PL.10864	B	6 A (CWC)	7.45Y	124.2	0.00	0.79	1.73	1	12	4	95	0.00	0.0	6.563	0.091	11	3	2	3
PL.10901	PL.10865	B	6 A (CWC)	7.45Y	124.2	0.00	0.79	0.18	0	1	0	100	0.00	0.0	6.668	0.106	1	0	1	1
PL.11107	PL.11053	B	6 A (CWC)	7.45Y	124.2	0.00	0.78	1.92	1	14	4	96	0.00	0.0	6.341	0.079	14	4	1	2
PL.11108	PL.11107	B	6 A (CWC)	7.45Y	124.2	0.00	0.78	0.00	0	0	0	100	0.00	0.0	6.374	0.033	0	0	1	1
PL.11052	PL.11386	B	#2 ACSR	7.45Y	124.2	0.00	0.76	1.60	1	11	4	94	0.00	0.0	6.211	0.049	11	4	1	1
PL.10900	PL.11386	B	6 A (CWC)	7.45Y	124.2	0.00	0.75	0.00	0	0	0	100	0.00	0.0	6.216	0.053	0	0	0	0
PL.11050	PL.11368	B	#4 ACSR	7.45Y	124.2	0.01	0.75	2.63	2	19	6	95	0.00	0.0	6.187	0.100	1	0	1	4
PL.10899	PL.11050	B	#2 ACSR	7.45Y	124.2	0.00	0.75	2.41	1	17	5	96	0.00	0.0	6.208	0.021	17	5	2	2
PL.11051	PL.11050	B	#4 ACSR	7.45Y	124.2	0.00	0.75	0.09	0	1	0	100	0.00	0.0	6.281	0.094	1	0	1	1
PL.11048	PL.10956	ABC	336 MCM AC	7.46Y	124.3	0.00	0.71	0.99	0	21	7	95	0.00	0.0	5.857	0.032	7	2	1	6
PL.11047	PL.11048	ABC	336 MCM AC	7.46Y	124.3	0.00	0.71	0.53	0	11	4	94	0.00	0.0	5.907	0.049	0	0	0	4
PL.11365	PL.11047	A	#4 ACSR	7.46Y	124.3	0.00	0.71	0.00	0	0	0	100	0.00	0.0	5.911	0.005	0	0	0	0
PD.2029	PL.11365	A	40T	7.46Y	124.3	0.00	0.71	0.00	0	0	0	100	0.00	0.0	5.911	0.005	0	0	0	0
PL.11366	PD.2029	A	#4 ACSR	7.46Y	124.3	0.00	0.71	0.00	0	0	0	100	0.00	0.0	6.041	0.130	0	0	0	0
PL.10863	PL.11366	A	#4 ACSR	7.46Y	124.3	0.00	0.71	0.00	0	0	0	100	0.00	0.0	6.122	0.080	0	0	0	0
PL.11004	PL.11047	ABC	336 MCM AC	7.46Y	124.3	0.00	0.71	0.53	0	11	4	94	0.00	0.0	6.065	0.158	0	0	0	4
PL.11003	PL.11004	ABC	336 MCM AC	7.46Y	124.3	0.00	0.71	0.53	0	11	4	94	0.00	0.0	6.179	0.114	0	0	0	4
PL.11002	PL.11003	ABC	336 MCM AC	7.46Y	124.3	0.00	0.71	0.53	0	11	4	94	0.00	0.0	6.353	0.174	0	0	0	4
PL.11147	PL.11002	ABC	336 MCM AC	7.46Y	124.3	0.00	0.71	0.53	0	11	4	94	0.00	0.0	6.463	0.110	0	0	1	4
PL.11414	PL.11147	ABC	336 MCM AC	7.46Y	124.3	0.00	0.71	0.53	0	11	4	94	0.00	0.0	6.611	0.148	0	0	0	3
PL.11413	PL.11414	ABC	336 MCM AC	7.46Y	124.3	0.00	0.71	0.53	0	11	4	94	0.00	0.0	6.662	0.050	0	0	0	3
PL.11040	PL.11413	ABC	336 MCM AC	7.46Y	124.3	0.00	0.71	0.25	0	5	2	93	0.00	0.0	6.711	0.049	0	0	0	2
PL.11303	PL.11040	A	#1/0 ACSR	7.46Y	124.3	0.00	0.71	0.74	0	5	2	93	0.00	0.0	6.715	0.005	0	0	0	1
PD.1997	PL.11303	A	40T	7.46Y	124.3	0.00	0.71	0.74	0	5	2	93	0.00	0.0	6.715	0.005	0	0	0	1
PL.11304	PD.1997	A	#1/0 ACSR	7.46Y	124.3	0.00	0.71	0.74	0	5	2	93	0.00	0.0	6.748	0.033	5	2	1	1
PL.11039	PL.11040	ABC	336 MCM AC	7.46Y	124.3	0.00	0.71	0.00	0	0	0	100	0.00	0.0	6.797	0.086	0	0	0	1

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Balanced Voltage Drop Report
Source: Big Creek

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.11307	PL.11039	A	6 A (CWC)	7.46Y	124.3	0.00	0.71	0.00	0	0	0	100	0.00	0.0	6.801	0.005	0	0	0	1
PD.1999	PL.11307	A	40T	7.46Y	124.3	0.00	0.71	0.00	0	0	0	100	0.00	0.0	6.801	0.005	0	0	0	1
PL.11308	PD.1999	A	6 A (CWC)	7.46Y	124.3	0.00	0.71	0.00	0	0	0	100	0.00	0.0	6.936	0.134	0	0	1	1
PL.11001	PL.11039	ABC	336 MCM AC	7.46Y	124.3	0.00	0.71	0.00	0	0	0	100	0.00	0.0	6.918	0.121	0	0	0	0
PL.64931	PL.11001	ABC	336 MCM AC	7.46Y	124.3	0.00	0.71	0.00	0	0	0	100	0.00	0.0	6.922	0.004	0	0	0	0
PD.9579-B	PL.64931	ABC	Open	7.46Y	124.3	0.00	0.71	0.00	0	0	0	100	0.00	0.0	6.922	0.004	0	0	0	0
PL.11305	PL.11413	B	#1/0 ACSR	7.46Y	124.3	0.00	0.71	0.84	0	6	2	95	0.00	0.0	6.665	0.004	0	0	0	1
PD.1998	PL.11305	B	40T	7.46Y	124.3	0.00	0.71	0.84	0	6	2	95	0.00	0.0	6.665	0.004	0	0	0	1
PL.11306	PD.1998	B	#1/0 ACSR	7.46Y	124.3	0.00	0.71	0.84	0	6	2	95	0.00	0.0	6.669	0.004	6	2	1	1
PL.11271	PL.11048	C	6 A (CWC)	7.46Y	124.3	0.00	0.71	0.37	0	3	1	95	0.00	0.0	5.862	0.004	0	0	0	1
PD.1982	PL.11271	C	40T	7.46Y	124.3	0.00	0.71	0.37	0	3	1	95	0.00	0.0	5.862	0.004	0	0	0	1
PL.11272	PD.1982	C	6 A (CWC)	7.46Y	124.3	0.00	0.71	0.37	0	3	1	95	0.00	0.0	6.037	0.175	3	1	1	1
PL.11349	PL.10957	C	#4 ACSR	7.46Y	124.3	0.00	0.65	2.97	2	21	7	95	0.00	0.0	4.125	0.034	0	0	0	11
PD.2020	PL.11349	C	20T	7.46Y	124.3	0.00	0.65	2.97	0	21	7	95	0.00	0.0	4.125	0.034	0	0	0	11
PL.11350	PD.2020	C	#4 ACSR	7.46Y	124.3	0.01	0.66	2.97	2	21	7	95	0.00	0.0	4.167	0.043	0	0	1	11
PL.11219	PL.11350	C	#4 ACSR	7.46Y	124.3	0.01	0.66	2.96	2	21	7	95	0.00	0.0	4.214	0.047	0	0	0	10
PL.10874	PL.11219	C	#4 ACSR	7.46Y	124.3	0.01	0.68	2.96	2	21	7	95	0.00	0.0	4.316	0.102	0	0	0	10
PL.10873	PL.10874	C	#4 ACSR	7.46Y	124.3	0.01	0.69	2.96	2	21	7	95	0.00	0.0	4.415	0.099	0	0	0	10
PL.11220	PL.10873	C	#4 ACSR	7.46Y	124.3	0.01	0.70	2.96	2	21	7	95	0.00	0.0	4.455	0.039	1	0	1	10
PL.11221	PL.11220	C	#4 ACSR	7.46Y	124.3	0.01	0.70	2.83	2	20	6	96	0.00	0.0	4.530	0.075	12	4	3	9
PL.11222	PL.11221	C	#4 ACSR	7.46Y	124.3	0.00	0.71	0.51	0	4	1	97	0.00	0.0	4.645	0.116	1	0	1	2
PL.11223	PL.11222	C	#4 ACSR	7.46Y	124.3	0.00	0.71	0.43	0	3	1	95	0.00	0.0	4.688	0.042	3	1	1	1
PL.10903	PL.11221	C	#2 ACSR	7.46Y	124.3	0.00	0.70	0.67	0	5	2	93	0.00	0.0	4.615	0.086	0	0	0	4
PL.10875	PL.10903	C	#2 ACSR	7.46Y	124.3	0.00	0.71	0.67	0	5	2	93	0.00	0.0	4.723	0.108	0	0	1	4
PL.10904	PL.10875	C	#2 ACSR	7.46Y	124.3	0.00	0.71	0.67	0	5	2	93	0.00	0.0	4.819	0.096	0	0	0	3
PL.10902	PL.10904	C	#4 ACSR	7.46Y	124.3	0.00	0.71	0.67	1	5	2	93	0.00	0.0	4.909	0.090	0	0	0	3
PL.11250	PL.10902	C	#4 ACSR	7.46Y	124.3	0.00	0.72	0.67	1	5	2	93	0.00	0.0	5.011	0.102	0	0	1	3
PL.11251	PL.11250	C	#4 ACSR	7.46Y	124.3	0.00	0.72	0.67	1	5	2	93	0.00	0.0	5.116	0.105	4	1	1	2
PL.11252	PL.11251	C	#4 ACSR	7.46Y	124.3	0.00	0.72	0.13	0	1	0	100	0.00	0.0	5.266	0.150	0	0	0	1
PL.10876	PL.11252	C	#4 ACSR	7.46Y	124.3	0.00	0.72	0.13	0	1	0	100	0.00	0.0	5.353	0.087	1	0	1	1
PL.21271	PL.11214	ABC	336 MCM AC	7.46Y	124.4	0.01	0.65	5.05	1	108	34	95	0.00	0.0	4.042	0.163	0	0	0	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: Big Creek

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.11209	PL.21271	ABC	336 MCM AC	7.46Y	124.4	0.00	0.65	4.87	1	104	33	95	0.00	0.0	4.142	0.100	2	1	1	29
PL.11210	PL.11209	ABC	336 MCM AC	7.46Y	124.3	0.00	0.65	4.79	1	102	32	95	0.00	0.0	4.239	0.097	0	0	0	28
PL.11114	PL.11210	ABC	336 MCM AC	7.46Y	124.3	0.00	0.65	4.52	1	96	31	95	0.00	0.0	4.261	0.022	21	7	1	25
PL.11115	PL.11114	ABC	336 MCM AC	7.46Y	124.3	0.00	0.65	3.52	1	75	24	95	0.00	0.0	4.311	0.050	9	3	1	24
PL.11267	PL.11115	A	#4 ACSR	7.46Y	124.3	0.00	0.66	1.37	1	10	3	96	0.00	0.0	4.315	0.005	0	0	0	2
PD.1981	PL.11267	A	15T	7.46Y	124.3	0.00	0.66	1.37	0	10	3	96	0.00	0.0	4.315	0.005	0	0	0	2
PL.11268	PD.1981	A	#4 ACSR	7.46Y	124.3	0.00	0.66	1.37	1	10	3	96	0.00	0.0	4.335	0.020	10	3	2	2
PL.11269	PL.11115	ABC	336 MCM AC	7.46Y	124.3	0.00	0.66	2.66	1	57	18	95	0.00	0.0	4.315	0.005	0	0	0	21
PL.11270	PL.11269	ABC	336 MCM AC	7.46Y	124.3	0.00	0.66	2.66	1	57	18	95	0.00	0.0	4.409	0.094	0	0	2	21
PL.11113	PL.11270	ABC	336 MCM AC	7.46Y	124.3	0.00	0.66	2.64	1	56	18	95	0.00	0.0	4.473	0.064	0	0	0	19
PL.11263	PL.11113	C	#4 ACSR	7.46Y	124.3	0.00	0.66	0.07	0	1	0	100	0.00	0.0	4.478	0.005	0	0	0	1
PD.1979	PL.11263	C	12T	7.46Y	124.3	0.00	0.66	0.07	0	1	0	100	0.00	0.0	4.478	0.005	0	0	0	1
PL.11264	PD.1979	C	#4 ACSR	7.46Y	124.3	0.00	0.66	0.07	0	1	0	100	0.00	0.0	4.513	0.036	1	0	1	1
PL.11111	PL.11113	ABC	336 MCM AC	7.46Y	124.3	0.00	0.66	2.61	1	56	18	95	0.00	0.0	4.584	0.111	20	6	2	18
PL.11112	PL.11111	ABC	336 MCM AC	7.46Y	124.3	0.00	0.66	1.69	0	36	11	96	0.00	0.0	4.659	0.076	4	1	3	16
PL.11261	PL.11112	C	#4 ACSR	7.46Y	124.3	0.00	0.66	0.74	1	5	2	93	0.00	0.0	4.664	0.005	0	0	0	3
PD.1978	PL.11261	C	12T	7.46Y	124.3	0.00	0.66	0.74	0	5	2	93	0.00	0.0	4.664	0.005	0	0	0	3
PL.11262	PD.1978	C	#4 ACSR	7.46Y	124.3	0.00	0.66	0.74	1	5	2	93	0.00	0.0	4.696	0.032	3	1	2	3
PL.11110	PL.11262	C	#4 ACSR	7.46Y	124.3	0.00	0.66	0.38	0	3	1	95	0.00	0.0	4.726	0.030	3	1	1	1
PL.10619	PL.11112	ABC	336 MCM AC	7.46Y	124.3	0.00	0.66	1.27	0	27	9	95	0.00	0.0	4.831	0.172	3	1	1	10
PL.11193	PL.10619	ABC	336 MCM AC	7.46Y	124.3	0.00	0.66	1.13	0	24	8	95	0.00	0.0	4.894	0.063	0	0	0	9
PL.10959	PL.11193	ABC	336 MCM AC	7.46Y	124.3	0.00	0.66	0.76	0	16	5	95	0.00	0.0	4.918	0.024	0	0	0	7
PL.10960	PL.10959	ABC	336 MCM AC	7.46Y	124.3	0.00	0.66	0.74	0	16	5	95	0.00	0.0	5.026	0.108	0	0	0	6
PL.10878	PL.10960	ABC	336 MCM AC	7.46Y	124.3	0.00	0.66	0.74	0	16	5	95	0.00	0.0	5.135	0.109	0	0	0	6
PL.10932	PL.10878	ABC	336 MCM AC	7.46Y	124.3	0.00	0.67	0.74	0	16	5	95	0.00	0.0	5.231	0.096	0	0	0	6
PL.10933	PL.10932	ABC	336 MCM AC	7.46Y	124.3	0.00	0.67	0.74	0	16	5	95	0.00	0.0	5.335	0.104	0	0	0	6
PL.10879	PL.10933	ABC	336 MCM AC	7.46Y	124.3	0.00	0.67	0.74	0	16	5	95	0.00	0.0	5.440	0.106	0	0	0	6
PL.10880	PL.10879	ABC	336 MCM AC	7.46Y	124.3	0.00	0.67	0.74	0	16	5	95	0.00	0.0	5.558	0.118	0	0	0	6
PL.11105	PL.10880	ABC	336 MCM AC	7.46Y	124.3	0.00	0.67	0.74	0	16	5	95	0.00	0.0	5.678	0.120	9	3	2	6
PL.11106	PL.11105	ABC	336 MCM AC	7.46Y	124.3	0.00	0.67	0.31	0	7	2	96	0.00	0.0	5.739	0.060	3	1	1	4
PL.11104	PL.11106	ABC	336 MCM AC	7.46Y	124.3	0.00	0.67	0.18	0	4	1	97	0.00	0.0	5.775	0.036	0	0	2	3

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Balanced Voltage Drop Report
Source: Big Creek

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.11102	PL.11104	ABC	336 MCM AC	7.46Y	124.3	0.00	0.67	0.16	0	3	1	95	0.00	0.0	5.835	0.061	3	1	1	1
PL.11103	PL.11102	ABC	336 MCM AC	7.46Y	124.3	0.00	0.67	0.00	0	0	0	100	0.00	0.0	5.951	0.116	0	0	0	0
PL.10881	PL.11103	ABC	336 MCM AC	7.46Y	124.3	0.00	0.67	0.00	0	0	0	100	0.00	0.0	6.046	0.095	0	0	0	0
PL.10882	PL.10881	ABC	336 MCM AC	7.46Y	124.3	0.00	0.67	0.00	0	0	0	100	0.00	0.0	6.143	0.097	0	0	0	0
PL.10883	PL.10882	ABC	336 MCM AC	7.46Y	124.3	0.00	0.67	0.00	0	0	0	100	0.00	0.0	6.261	0.118	0	0	0	0
PL.10884	PL.10883	ABC	336 MCM AC	7.46Y	124.3	0.00	0.67	0.00	0	0	0	100	0.00	0.0	6.386	0.125	0	0	0	0
PL.10885	PL.10884	ABC	336 MCM AC	7.46Y	124.3	0.00	0.67	0.00	0	0	0	100	0.00	0.0	6.505	0.118	0	0	0	0
PL.10886	PL.10885	ABC	336 MCM AC	7.46Y	124.3	0.00	0.67	0.00	0	0	0	100	0.00	0.0	6.671	0.167	0	0	0	0
PL.10887	PL.10886	ABC	336 MCM AC	7.46Y	124.3	0.00	0.67	0.00	0	0	0	100	0.00	0.0	6.823	0.151	0	0	0	0
PL.10888	PL.10887	ABC	336 MCM AC	7.46Y	124.3	0.00	0.67	0.00	0	0	0	100	0.00	0.0	6.959	0.136	0	0	0	0
PL.10559	PL.10888	ABC	336 MCM AC	7.46Y	124.3	0.00	0.67	0.00	0	0	0	100	0.00	0.0	7.115	0.156	0	0	0	0
PL.10560	PL.10559	ABC	336 MCM AC	7.46Y	124.3	0.00	0.67	0.00	0	0	0	100	0.00	0.0	7.250	0.135	0	0	0	0
PL.10561	PL.10560	ABC	336 MCM AC	7.46Y	124.3	0.00	0.67	0.00	0	0	0	100	0.00	0.0	7.400	0.150	0	0	0	0
PL.10562	PL.10561	ABC	336 MCM AC	7.46Y	124.3	0.00	0.67	0.00	0	0	0	100	0.00	0.0	7.549	0.149	0	0	0	0
PL.10563	PL.10562	ABC	336 MCM AC	7.46Y	124.3	0.00	0.67	0.00	0	0	0	100	0.00	0.0	7.660	0.111	0	0	0	0
PL.11098	PL.10563	ABC	336 MCM AC	7.46Y	124.3	0.00	0.67	0.00	0	0	0	100	0.00	0.0	7.719	0.059	0	0	0	0
PL.11099	PL.11098	ABC	336 MCM AC	7.46Y	124.3	0.00	0.67	0.00	0	0	0	100	0.00	0.0	7.768	0.050	0	0	0	0
PD.205-B	PL.11099	ABC	Open	7.46Y	124.3	0.00	0.67	0.00	0	0	0	100	0.00	0.0	7.768	0.050	0	0	0	0
PL.11381	PL.10959	C	6 A (CWC)	7.46Y	124.3	0.00	0.66	0.06	0	0	0	100	0.00	0.0	4.923	0.005	0	0	0	1
PD.2036	PL.11381	C	12T	7.46Y	124.3	0.00	0.66	0.06	0	0	0	100	0.00	0.0	4.923	0.005	0	0	0	1
PL.11382	PD.2036	C	6 A (CWC)	7.46Y	124.3	0.00	0.66	0.06	0	0	0	100	0.00	0.0	4.971	0.049	0	0	1	1
PL.11383	PL.11193	C	#4 ACSR	7.46Y	124.3	0.00	0.66	1.12	1	8	3	94	0.00	0.0	4.898	0.005	0	0	0	2
PD.2037	PL.11383	C	12T	7.46Y	124.3	0.00	0.66	1.12	0	8	3	94	0.00	0.0	4.898	0.005	0	0	0	2
PL.11384	PD.2037	C	#4 ACSR	7.46Y	124.3	0.00	0.66	1.12	1	8	3	94	0.00	0.0	4.935	0.037	7	2	1	2
PL.11194	PL.11384	C	#4 ACSR	7.46Y	124.3	0.00	0.67	0.18	0	1	0	100	0.00	0.0	5.036	0.101	1	0	1	1
PL.11265	PL.11210	A	#4 ACSR	7.46Y	124.3	0.00	0.65	0.82	1	6	2	95	0.00	0.0	4.244	0.005	0	0	0	3
PD.1980	PL.11265	A	12T	7.46Y	124.3	0.00	0.65	0.82	0	6	2	95	0.00	0.0	4.244	0.005	0	0	0	3
PL.11266	PD.1980	A	#4 ACSR	7.46Y	124.3	0.00	0.66	0.82	1	6	2	95	0.00	0.0	4.305	0.061	0	0	0	3
PL.10931	PL.11266	A	6 A (CWC)	7.46Y	124.3	0.00	0.66	0.82	1	6	2	95	0.00	0.0	4.422	0.117	6	2	3	3
PL.10958	PL.11266	A	#4 ACSR	7.46Y	124.3	0.00	0.66	0.00	0	0	0	100	0.00	0.0	4.361	0.057	0	0	0	0
PL.11343	PL.21271	A	6 A (CWC)	7.46Y	124.4	0.00	0.65	0.56	0	4	1	97	0.00	0.0	4.046	0.004	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: Big Creek

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.2017	PL.11343	A	12T	7.46Y	124.4	0.00	0.65	0.56	0	4	1	97	0.00	0.0	4.046	0.004	0	0	0	3
PL.11344	PD.2017	A	6 A (CWC)	7.46Y	124.4	0.00	0.65	0.56	0	4	1	97	0.00	0.0	4.083	0.037	0	0	0	3
PL.10930	PL.11344	A	#4 ACSR	7.46Y	124.4	0.00	0.65	0.00	0	0	0	100	0.00	0.0	4.165	0.082	0	0	1	1
PL.11217	PL.11344	A	6 A (CWC)	7.46Y	124.4	0.00	0.65	0.56	0	4	1	97	0.00	0.0	4.124	0.041	0	0	1	2
PL.11218	PL.11217	A	6 A (CWC)	7.46Y	124.4	0.00	0.65	0.54	0	4	1	97	0.00	0.0	4.155	0.030	4	1	1	1
PL.11353	PL.11351	C	#4 ACSR	7.47Y	124.5	0.00	0.55	0.54	0	4	1	97	0.00	0.0	2.851	0.005	0	0	0	1
PD.2022	PL.11353	C	20T	7.47Y	124.5	0.00	0.55	0.54	0	4	1	97	0.00	0.0	2.851	0.005	0	0	0	1
PL.11354	PD.2022	C	#4 ACSR	7.47Y	124.5	0.00	0.55	0.54	0	4	1	97	0.00	0.0	2.870	0.019	4	1	1	1
PL.11401	PL.65728	ABC	6 A (CWC)	7.47Y	124.5	0.00	0.52	3.25	2	70	22	95	0.00	0.0	2.561	0.005	0	0	0	22
PD.2046	PL.11401	ABC	20T	7.47Y	124.5	0.00	0.52	3.25	0	70	22	95	0.00	0.0	2.561	0.005	0	0	0	22
PL.11402	PD.2046	ABC	6 A (CWC)	7.47Y	124.5	0.01	0.53	3.25	2	70	22	95	0.00	0.0	2.605	0.044	3	1	1	22
PL.11237	PL.11402	ABC	6 A (CWC)	7.47Y	124.5	0.01	0.53	3.12	2	67	21	95	0.00	0.0	2.671	0.066	0	0	0	21
PL.11369	PL.11237	C	#2 ACSR	7.47Y	124.5	0.00	0.53	0.84	0	6	2	95	0.00	0.0	2.675	0.005	0	0	0	1
PD.2031	PL.11369	C	12T	7.47Y	124.5	0.00	0.53	0.84	0	6	2	95	0.00	0.0	2.675	0.005	0	0	0	1
PL.11370	PD.2031	C	#2 ACSR	7.47Y	124.5	0.00	0.53	0.84	0	6	2	95	0.00	0.0	2.707	0.032	6	2	1	1
PL.10908	PL.11237	ABC	6 A (CWC)	7.47Y	124.5	0.01	0.54	2.84	2	61	19	95	0.00	0.0	2.743	0.072	5	2	1	20
PL.11238	PL.10908	ABC	6 A (CWC)	7.47Y	124.4	0.01	0.55	2.60	2	55	18	95	0.00	0.0	2.849	0.106	1	0	1	19
PL.11239	PL.11238	ABC	6 A (CWC)	7.47Y	124.4	0.01	0.56	2.53	2	54	17	95	0.00	0.0	2.960	0.111	0	0	0	18
PL.11371	PL.11239	A	#4 ACSR	7.47Y	124.4	0.00	0.56	0.00	0	0	0	100	0.00	0.0	2.965	0.005	0	0	0	0
PD.2032	PL.11371	A	12T	7.47Y	124.4	0.00	0.56	0.00	0	0	0	100	0.00	0.0	2.965	0.005	0	0	0	0
PL.11372	PD.2032	A	#4 ACSR	7.47Y	124.4	0.00	0.56	0.00	0	0	0	100	0.00	0.0	3.004	0.039	0	0	0	0
PL.10909	PL.11372	A	#4 ACSR	7.47Y	124.4	0.00	0.56	0.00	0	0	0	100	0.00	0.0	3.043	0.040	0	0	0	0
PL.10964	PL.11239	ABC	6 A (CWC)	7.47Y	124.4	0.01	0.57	2.53	2	54	17	95	0.00	0.0	3.053	0.093	0	0	0	18
PL.11357	PL.10964	A	#1/0 ACSR	7.47Y	124.4	0.00	0.57	0.20	0	1	0	100	0.00	0.0	3.058	0.005	0	0	0	2
PD.2024	PL.11357	A	12T	7.47Y	124.4	0.00	0.57	0.20	0	1	0	100	0.00	0.0	3.058	0.005	0	0	0	2
PL.11358	PD.2024	A	#1/0 ACSR	7.47Y	124.4	0.00	0.57	0.20	0	1	0	100	0.00	0.0	3.180	0.122	1	0	1	2
PL.11241	PL.11358	A	#1/0 ACSR	7.47Y	124.4	0.00	0.57	0.00	0	0	0	100	0.00	0.0	3.216	0.036	0	0	1	1
PL.11240	PL.10964	ABC	6 A (CWC)	7.47Y	124.4	0.01	0.58	2.46	2	53	17	95	0.00	0.0	3.117	0.064	7	2	2	16
PL.11242	PL.11240	ABC	6 A (CWC)	7.46Y	124.4	0.01	0.58	2.15	2	46	15	95	0.00	0.0	3.199	0.081	5	2	2	14
PL.11243	PL.11242	ABC	6 A (CWC)	7.46Y	124.4	0.01	0.59	1.92	1	41	13	95	0.00	0.0	3.313	0.114	0	0	0	12
PL.11255	PL.11243	ABC	6 A (CWC)	7.46Y	124.4	0.01	0.60	1.92	1	41	13	95	0.00	0.0	3.420	0.107	1	0	2	12

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

Balanced Voltage Drop Report
Source: Big Creek

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.11256	PL.11255	ABC	6 A (CWC)	7.46Y	124.4	0.01	0.61	1.86	1	40	13	95	0.00	0.0	3.491	0.072	0	0	0	10
PL.11359	PL.11256	C	6 A (CWC)	7.46Y	124.4	0.00	0.61	0.41	0	3	1	95	0.00	0.0	3.496	0.005	0	0	0	3
PD.2025	PL.11359	C	12T	7.46Y	124.4	0.00	0.61	0.41	0	3	1	95	0.00	0.0	3.496	0.005	0	0	0	3
PL.11360	PD.2025	C	6 A (CWC)	7.46Y	124.4	0.00	0.61	0.41	0	3	1	95	0.00	0.0	3.537	0.041	1	0	2	3
PL.11375	PL.11360	C	#1/0 ACSR	7.46Y	124.4	0.00	0.61	0.26	0	2	1	89	0.00	0.0	3.542	0.005	0	0	0	1
PD.2033	PL.11375	C	10T	7.46Y	124.4	0.00	0.61	0.26	0	2	1	89	0.00	0.0	3.542	0.005	0	0	0	1
PL.11376	PD.2033	C	#1/0 ACSR	7.46Y	124.4	0.00	0.61	0.26	0	2	1	89	0.00	0.0	3.562	0.021	2	1	1	1
PL.10965	PL.11256	ABC	6 A (CWC)	7.46Y	124.4	0.01	0.62	1.72	1	37	12	95	0.00	0.0	3.628	0.137	0	0	0	7
PL.11244	PL.10965	ABC	6 A (CWC)	7.46Y	124.4	0.00	0.62	1.72	1	37	12	95	0.00	0.0	3.700	0.071	0	0	1	7
PL.11245	PL.11244	ABC	6 A (CWC)	7.46Y	124.4	0.01	0.63	1.72	1	37	12	95	0.00	0.0	3.775	0.075	0	0	0	6
PL.10966	PL.11245	ABC	6 A (CWC)	7.46Y	124.4	0.01	0.63	1.72	1	37	12	95	0.00	0.0	3.903	0.128	0	0	0	6
PL.10567	PL.10966	ABC	6 A (CWC)	7.46Y	124.4	0.01	0.64	1.72	1	37	12	95	0.00	0.0	4.008	0.105	0	0	0	6
PL.10568	PL.10567	ABC	6 A (CWC)	7.46Y	124.3	0.01	0.65	1.72	1	37	12	95	0.00	0.0	4.175	0.167	0	0	0	6
PL.11246	PL.10568	ABC	6 A (CWC)	7.46Y	124.3	0.01	0.66	1.72	1	37	12	95	0.00	0.0	4.316	0.141	2	1	1	6
PL.11247	PL.11246	ABC	6 A (CWC)	7.46Y	124.3	0.01	0.67	1.63	1	35	11	95	0.00	0.0	4.429	0.113	8	3	1	5
PL.11248	PL.11247	ABC	6 A (CWC)	7.46Y	124.3	0.01	0.68	1.25	1	27	8	96	0.00	0.0	4.578	0.149	0	0	0	4
PL.10569	PL.11248	ABC	6 A (CWC)	7.46Y	124.3	0.01	0.68	1.25	1	27	8	96	0.00	0.0	4.746	0.167	0	0	0	4
PL.10570	PL.10569	ABC	6 A (CWC)	7.46Y	124.3	0.00	0.69	1.25	1	27	8	96	0.00	0.0	4.827	0.082	0	0	0	4
PL.11007	PL.10570	ABC	6 A (CWC)	7.46Y	124.3	0.01	0.69	1.25	1	27	8	96	0.00	0.0	4.931	0.104	0	0	0	4
PL.10572	PL.11007	ABC	6 A (CWC)	7.46Y	124.3	0.00	0.70	1.25	1	27	8	96	0.00	0.0	5.017	0.086	0	0	0	4
PL.11008	PL.10572	ABC	6 A (CWC)	7.46Y	124.3	0.00	0.70	1.25	1	27	8	96	0.00	0.0	5.091	0.074	0	0	0	4
PL.10571	PL.11008	ABC	6 A (CWC)	7.46Y	124.3	0.00	0.71	1.25	1	27	8	96	0.00	0.0	5.198	0.107	3	1	1	4
PL.11049	PL.10571	ABC	6 A (CWC)	7.46Y	124.3	0.00	0.71	1.12	1	24	8	95	0.00	0.0	5.298	0.100	18	6	1	3
PL.10912	PL.11049	A	#1/0 ACSR	7.46Y	124.3	0.00	0.71	0.06	0	0	0	100	0.00	0.0	5.337	0.039	0	0	1	1
PL.11249	PL.11049	ABC	6 A (CWC)	7.46Y	124.3	0.00	0.71	0.23	0	5	2	93	0.00	0.0	5.337	0.039	5	2	1	1
PL.11253	PL.11249	ABC	6 A (CWC)	7.46Y	124.3	0.00	0.71	0.00	0	0	0	100	0.00	0.0	5.416	0.080	0	0	0	0
PL.11254	PL.11253	ABC	6 A (CWC)	7.46Y	124.3	0.00	0.71	0.00	0	0	0	100	0.00	0.0	5.496	0.080	0	0	0	0
PL.10911	PL.11245	A	#4 ACSR	7.46Y	124.4	0.00	0.63	0.00	0	0	0	100	0.00	0.0	3.809	0.034	0	0	0	0
PL.27992	PL.27990	A	8 A (CWC)	7.47Y	124.5	0.00	0.47	2.46	2	18	6	95	0.00	0.0	2.194	0.003	0	0	0	3
PD.3870	PL.27992	A	20T	7.47Y	124.5	0.00	0.47	2.46	0	18	6	95	0.00	0.0	2.194	0.003	0	0	0	3
PL.27986	PD.3870	A	6 A (CWC)	7.47Y	124.5	0.00	0.48	2.46	2	18	6	95	0.00	0.0	2.219	0.025	18	6	3	3

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Balanced Voltage Drop Report
Source: Big Creek

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.27975	PL.27993	A	#1/0 ACSR	7.48Y	124.6	0.00	0.41	6.79	3	48	15	95	0.00	0.0	1.682	0.003	0	0	0	6
PD.3865	PL.27975	A	12T	7.48Y	124.6	0.00	0.41	6.79	0	48	15	95	0.00	0.0	1.682	0.003	0	0	0	6
PL.27974	PD.3865	A	#1/0 ACSR	7.48Y	124.6	0.00	0.41	6.79	3	48	15	95	0.00	0.0	1.721	0.038	36	11	4	6
PL.11061	PL.27974	A	#1/0 ACSR	7.48Y	124.6	0.00	0.41	1.77	1	13	4	96	0.00	0.0	1.738	0.018	3	1	1	2
PL.10913	PL.11061	A	#1/0 ACSR	7.48Y	124.6	0.00	0.41	1.32	1	9	3	95	0.00	0.0	1.773	0.035	9	3	1	1
PL.27942	PL.27940	ABC	#1/0 ACSR	7.49Y	124.8	0.00	0.19	7.20	3	154	49	95	0.00	0.0	0.659	0.016	0	0	0	7
PL.27943	PL.27942	ABC	#1/0 ACSR	7.49Y	124.8	0.01	0.20	7.20	3	154	49	95	0.01	0.0	0.706	0.047	0	0	0	7
PL.27944	PL.27943	ABC	#1/0 ACSR	7.49Y	124.8	0.01	0.21	7.20	3	154	49	95	0.01	0.0	0.771	0.066	5	2	4	7
PL.11065	PL.27944	ABC	6 A (CWC)	7.49Y	124.8	0.01	0.22	6.48	5	139	44	95	0.01	0.0	0.814	0.043	0	0	0	2
PL.10921	PL.11065	ABC	6 A (CWC)	7.49Y	124.8	0.01	0.23	6.48	5	139	44	95	0.01	0.0	0.867	0.052	0	0	0	2
PL.10936	PL.10921	ABC	6 A (CWC)	7.49Y	124.8	0.00	0.23	6.48	5	139	44	95	0.00	0.0	0.880	0.013	133	42	1	2
PL.10937	PL.10936	A	6 A (CWC)	7.49Y	124.8	0.00	0.23	0.87	1	6	2	95	0.00	0.0	0.890	0.010	6	2	1	1
PL.11066	PL.27944	C	6 A (CWC)	7.49Y	124.8	0.00	0.21	1.40	1	10	3	96	0.00	0.0	0.780	0.009	10	3	1	1
PL.11067	PL.11066	C	6 A (CWC)	7.49Y	124.8	0.00	0.21	0.00	0	0	0	100	0.00	0.0	0.782	0.002	0	0	0	0
PL.27930	PL.27931	A	#1/0 ACSR	7.49Y	124.9	0.00	0.12	0.79	0	6	2	95	0.00	0.0	0.453	0.039	6	2	1	1

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	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	4946	0	0	0	0	0	57	0.00	5003
KVAR	1569	0	0	0	0	0	78		1647

Lowest Voltage = 119.29 on Element PL.3371
Max Accm VoltD = 5.71 on Element PL.3371
Max Elem VoltD = 0.49 on Element PL.928