Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
Goose Rock		ABC	SRC-Goose	7.50Y	125.0	0.00	0.00	511.59	0	10935	3596	95	0.00	0.0	0.000	0.000	0	0	0	2558
PL.1255	Goose Rock	ABC	1/0 AL URD	7.50Y	125.0	0.01	0.01	55.98	33	1210	351	96	0.08	0.0	0.007	0.007	0	0	0	273
PL.7157	PL.1255	ABC	1/0 AL URD	7.50Y	125.0	0.00	0.01	55.98	33	1210	351	96	0.02	0.0	0.009	0.002	0	0	0	273
---------- Feeder No. 2 (Big Creek F2) Beginning with Device PD.1527 ----------																				
PD.1527	PL.7157	ABC	480VWE	7.50Y	125.0	0.00	0.01	55.98	0	1210	351	96	0.00	0.0	0.009	0.002	0	0	0	273
PL.7158	PD.1527	ABC	1/0 AL URD	7.50Y	125.0	0.01	0.02	55.98	33	1210	351	96	0.12	0.0	0.020	0.011	0	0	0	273
PL.1388	PL.7158	ABC	397 SPACER	7.50Y	125.0	0.00	0.02	55.99	11	1209	351	96	0.00	0.0	0.023	0.002	0	0	0	273
PD.204-A	PL.1388	ABC	Closed	7.50Y	125.0	0.00	0.02	55.99	0	1209	351	96	0.00	0.0	0.023	0.002	0	0	0	273
PD.204-B	PD.204-A	ABC	Closed	7.50Y	125.0	0.00	0.02	55.99	0	1209	351	96	0.00	0.0	0.023	0.002	0	0	0	273
PL.1389	PD.204-B	ABC	397 SPACER	7.50Y	125.0	0.01	0.04	55.99	11	1209	351	96	0.03	0.0	0.106	0.083	0	0	0	273
PL.47	PL.1389	ABC	397 SPACER	7.50Y	125.0	0.01	0.05	55.69	11	1203	349	96	0.02	0.0	0.150	0.044	11	3	3	270
PL.90	PL.47	ABC	397 SPACER	7.50Y	124.9	0.01	0.05	55.16	11	1192	346	96	0.02	0.0	0.196	0.046	0	0	1	267
PL.91	PL.90	ABC	397 SPACER	7.50Y	124.9	0.01	0.06	55.16	11	1192	346	96	0.01	0.0	0.227	0.031	28	8	4	266
PL.1298	PL.91	ABC	397 SPACER	7.50Y	124.9	0.01	0.07	53.87	10	1164	338	96	0.02	0.0	0.281	0.055	0	0	4	262
PL.92	PL.1298	ABC	397 SPACER	7.50Y	124.9	0.00	0.07	53.87	10	1164	337	96	0.01	0.0	0.304	0.023	9	2	1	258
PL.1297	PL.92	ABC	397 SPACER	7.50Y	124.9	0.01	0.08	53.46	10	1155	335	96	0.02	0.0	0.358	0.054	0	0	0	257
PL.48	PL.1297	ABC	397 SPACER	7.49Y	124.9	0.01	0.09	53.00	10	1145	332	96	0.01	0.0	0.388	0.030	7	2	1	253
PL.1296	PL.48	ABC	397 SPACER	7.49Y	124.9	0.01	0.10	52.69	10	1138	330	96	0.02	0.0	0.446	0.058	8	2	2	252
PL.94	PL.1296	ABC	397 SPACER	7.49Y	124.9	0.00	0.10	52.34	10	1130	327	96	0.01	0.0	0.474	0.027	12	3	2	250
PL.1295	PL.94	ABC	397 SPACER	7.49Y	124.9	0.01	0.11	51.77	10	1118	324	96	0.02	0.0	0.521	0.047	4	1	2	248
PL.95	PL.1295	ABC	397 SPACER	7.49Y	124.9	0.01	0.11	51.60	10	1114	323	96	0.01	0.0	0.553	0.032	34	9	1	246
PL.1294	PL.95	ABC	397 SPACER	7.49Y	124.9	0.01	0.12	50.02	10	1080	313	96	0.02	0.0	0.602	0.049	0	0	0	245
PL.96	PL.1294	ABC	397 SPACER	7.49Y	124.9	0.01	0.13	50.02	10	1080	313	96	0.01	0.0	0.640	0.039	19	5	7	245
PL.97	PL.96	ABC	397 SPACER	7.49Y	124.9	0.01	0.13	49.17	9	1062	307	96	0.02	0.0	0.691	0.051	0	0	0	238
PL.1308	PL.97	C	#4 ACSR	7.49Y	124.9	0.00	0.13	1.01	1	7	2	96	0.00	0.0	0.695	0.004	0	0	0	1
PD.167	PL.1308	C	65QA	7.49Y	124.9	0.00	0.13	1.01	0	7	2	96	0.00	0.0	0.695	0.004	0	0	0	1
PL.1309	PD.167	C	#4 ACSR	7.49Y	124.9	0.00	0.13	1.01	1	7	2	96	0.00	0.0	0.707	0.011	7	2	1	1
PL.1306	PL.97	A	#4 ACSR	7.49Y	124.9	0.00	0.13	3.37	3	24	7	96	0.00	0.0	0.694	0.003	0	0	0	6
PD.166	PL.1306	A	65QA	7.49Y	124.9	0.00	0.13	3.37	0	24	7	96	0.00	0.0	0.694	0.003	0	0	0	6
PL.1307	PD.166	A	#4 ACSR	7.49Y	124.9	0.01	0.14	3.37	3	24	7	96	0.00	0.0	0.776	0.082	18	5	4	6

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Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.5	PL.1307	A	#4 ACSR	7.49Y	124.9	0.00	0.14	0.94	1	7	2	96	0.00	0.0	0.878	0.102	7	2	2	2
PL.1293	PL.97	ABC	397 SPACER	7.49Y	124.9	0.01	0.14	47.71	9	1030	298	96	0.02	0.0	0.743	0.052	0	0	0	231
PL.1312	PL.1293	B	6 A (CWC)	7.49Y	124.9	0.00	0.14	1.71	1	12	3	97	0.00	0.0	0.745	0.003	0	0	0	3
PD.169	PL.1312	B	65QA	7.49Y	124.9	0.00	0.14	1.71	0	12	3	97	0.00	0.0	0.745	0.003	0	0	0	3
PL.1313	PD.169	B	6 A (CWC)	7.49Y	124.9	0.00	0.14	1.71	1	12	3	97	0.00	0.0	0.808	0.063	12	3	3	3
PL.1310	PL.1293	B	6 A (CWC)	7.49Y	124.9	0.00	0.14	1.22	1	9	2	98	0.00	0.0	0.747	0.004	0	0	0	1
PD.168	PL.1310	B	65QA	7.49Y	124.9	0.00	0.14	1.22	0	9	2	98	0.00	0.0	0.747	0.004	0	0	0	1
PL.1311	PD.168	B	6 A (CWC)	7.49Y	124.9	0.00	0.14	1.22	1	9	2	98	0.00	0.0	0.759	0.012	9	2	1	1
PL.1292	PL.1293	ABC	397 SPACER	7.49Y	124.8	0.01	0.15	46.73	9	1009	292	96	0.03	0.0	0.834	0.091	0	0	0	227
PL.1280	PL.1292	B	#4 ACSR	7.49Y	124.8	0.00	0.16	2.65	2	19	5	97	0.00	0.0	0.837	0.003	0	0	0	4
PD.158	PL.1280	B	40QA	7.49Y	124.8	0.00	0.16	2.65	7	19	5	97	0.00	0.0	0.837	0.003	0	0	0	4
PL.1281	PD.158	B	#4 ACSR	7.49Y	124.8	0.00	0.16	2.65	2	19	5	97	0.00	0.0	0.859	0.022	19	5	4	4
PL.1314	PL.1292	ABC	397 SPACER	7.49Y	124.8	0.01	0.16	45.85	9	990	287	96	0.02	0.0	0.902	0.068	0	0	0	223
PL.1315	PL.1314	B	6 A (CWC)	7.49Y	124.8	0.00	0.16	1.40	1	10	3	96	0.00	0.0	0.904	0.003	0	0	0	1
PD.170	PL.1315	B	65QA	7.49Y	124.8	0.00	0.16	1.40	0	10	3	96	0.00	0.0	0.904	0.003	0	0	0	1
PL.1316	PD.170	B	6 A (CWC)	7.49Y	124.8	0.00	0.17	1.40	1	10	3	96	0.00	0.0	0.924	0.020	10	3	1	1
PL.517	PL.1314	ABC	397 SPACER	7.49Y	124.8	0.01	0.17	44.86	9	968	280	96	0.02	0.0	0.974	0.072	6	2	1	218
PL.98	PL.517	ABC	397 SPACER	7.49Y	124.8	0.00	0.18	44.60	9	963	279	96	0.01	0.0	0.993	0.019	0	0	0	217
PL.50	PL.98	ABC	397 SPACER	7.49Y	124.8	0.01	0.18	43.37	8	936	271	96	0.01	0.0	1.047	0.054	4	1	2	211
PL.51	PL.50	ABC	397 SPACER	7.49Y	124.8	0.01	0.19	43.21	8	932	270	96	0.01	0.0	1.085	0.039	13	4	3	209
PL.1321	PL.51	B	#2 ACSR	7.49Y	124.8	0.00	0.19	2.90	2	21	6	96	0.00	0.0	1.089	0.004	0	0	0	4
PD.173	PL.1321	B	40QA	7.49Y	124.8	0.00	0.19	2.90	7	21	6	96	0.00	0.0	1.089	0.004	0	0	0	4
PL.1322	PD.173	B	#2 ACSR	7.49Y	124.8	0.00	0.19	2.90	2	21	6	96	0.00	0.0	1.098	0.009	21	6	4	4
PL.52	PL.51	ABC	397 SPACER	7.49Y	124.8	0.00	0.19	41.62	8	898	260	96	0.00	0.0	1.107	0.021	16	5	3	202
PL.53	PL.52	ABC	397 SPACER	7.49Y	124.8	0.01	0.20	40.88	8	882	256	96	0.01	0.0	1.163	0.056	16	5	2	199
PL.54	PL.53	ABC	397 SPACER	7.49Y	124.8	0.00	0.20	39.90	8	861	250	96	0.00	0.0	1.186	0.023	0	0	0	196
PL.514	PL.54	ABC	397 SPACER	7.49Y	124.8	0.01	0.21	39.40	8	850	247	96	0.01	0.0	1.257	0.071	7	2	2	194
PL.1327	PL.514	A	#2 HdCu -	7.49Y	124.8	0.00	0.21	6.72	3	48	14	96	0.00	0.0	1.261	0.004	0	0	0	9
PD.176	PL.1327	A	65QA	7.49Y	124.8	0.00	0.21	6.72	0	48	14	96	0.00	0.0	1.261	0.004	0	0	0	9
PL.1328	PD.176	A	#2 HdCu -	7.49Y	124.8	0.00	0.21	6.72	3	48	14	96	0.00	0.0	1.265	0.004	0	0	0	9
PL.951	PL.1328	A	#2 HdCu -	7.49Y	124.8	0.00	0.22	4.81	2	35	10	96	0.00	0.0	1.302	0.037	8	2	2	7

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Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.511	PL.951	A	#2 HdCu -	7.49Y	124.8	0.00	0.22	3.68	2	27	7	97	0.00	0.0	1.329	0.027	27	7	5	5
PL.296	PL.1328	A	#2 ACSR	7.49Y	124.8	0.00	0.21	1.92	1	14	4	96	0.00	0.0	1.284	0.020	0	0	0	2
PL.6	PL.296	A	#2 ACSR	7.49Y	124.8	0.00	0.21	1.92	1	14	4	96	0.00	0.0	1.301	0.017	0	0	0	2
PL.55	PL.6	A	#1/0 ACSR	7.49Y	124.8	0.00	0.22	1.92	1	14	4	96	0.00	0.0	1.346	0.045	14	4	2	2
PL.1032	PL.514	ABC	397 SPACER	7.49Y	124.8	0.00	0.22	36.83	7	794	231	96	0.01	0.0	1.295	0.037	0	0	0	183
PL.1329	PL.1032	ABC	#2 HdCu -	7.49Y	124.8	0.00	0.22	11.46	5	246	77	95	0.00	0.0	1.299	0.004	0	0	0	51
PD.177	PL.1329	ABC	150QA	7.49Y	124.8	0.00	0.22	11.46	0	246	77	95	0.00	0.0	1.299	0.004	0	0	0	51
PL.1330	PD.177	ABC	#2 HdCu -	7.49Y	124.8	0.01	0.22	11.46	5	246	77	95	0.01	0.0	1.328	0.029	1	0	1	51
PL.510	PL.1330	ABC	#2 HdCu -	7.49Y	124.8	0.01	0.23	11.40	5	244	76	95	0.01	0.0	1.361	0.033	11	3	3	50
PL.509	PL.510	ABC	#2 HdCu -	7.49Y	124.8	0.01	0.24	10.90	5	234	73	95	0.02	0.0	1.413	0.052	14	4	6	47
PL.508	PL.509	ABC	#2 HdCu -	7.48Y	124.7	0.01	0.25	10.24	4	219	69	95	0.02	0.0	1.481	0.068	14	4	5	41
PL.506	PL.508	ABC	#2 HdCu -	7.48Y	124.7	0.01	0.26	9.25	4	198	63	95	0.01	0.0	1.531	0.050	23	6	7	35
PL.507	PL.506	ABC	#2 HdCu -	7.48Y	124.7	0.01	0.27	8.20	3	175	57	95	0.01	0.0	1.609	0.078	12	3	2	28
PL.1139	PL.507	A	6 A (CWC)	7.48Y	124.7	0.00	0.27	0.24	0	2	0	100	0.00	0.0	1.614	0.005	0	0	0	3
PD.98	PL.1139	A	40QA	7.48Y	124.7	0.00	0.27	0.24	1	2	0	100	0.00	0.0	1.614	0.005	0	0	0	3
PL.1140	PD.98	A	6 A (CWC)	7.48Y	124.7	0.00	0.27	0.24	0	2	0	100	0.00	0.0	1.626	0.012	2	0	3	3
PL.57	PL.507	ABC	#2 HdCu -	7.48Y	124.7	0.00	0.27	7.55	3	161	53	95	0.00	0.0	1.638	0.028	0	0	0	23
PL.467	PL.57	ABC	#2 HdCu -	7.48Y	124.7	0.00	0.28	7.55	3	161	53	95	0.00	0.0	1.666	0.028	22	6	2	23
PL.468	PL.467	ABC	#2 HdCu -	7.48Y	124.7	0.00	0.28	6.55	3	139	47	95	0.00	0.0	1.703	0.037	15	4	2	21
PL.292	PL.468	ABC	#2 HdCu -	7.48Y	124.7	0.01	0.29	5.25	2	111	39	94	0.01	0.0	1.787	0.085	11	3	3	17
PL.1183	PL.292	B	#4 ACSR	7.48Y	124.7	0.00	0.29	1.87	1	13	4	96	0.00	0.0	1.794	0.006	0	0	0	2
PD.120	PL.1183	B	65QA	7.48Y	124.7	0.00	0.29	1.87	0	13	4	96	0.00	0.0	1.794	0.006	0	0	0	2
PL.1184	PD.120	B	#4 ACSR	7.48Y	124.7	0.00	0.29	1.87	1	13	4	96	0.00	0.0	1.841	0.047	13	4	2	2
PL.293	PL.292	ABC	#2 HdCu -	7.48Y	124.7	0.01	0.30	4.14	2	87	32	94	0.00	0.0	1.897	0.109	7	2	1	12
PL.289	PL.293	ABC	#2 HdCu -	7.48Y	124.7	0.01	0.30	3.47	1	73	28	93	0.00	0.0	2.029	0.132	0	0	0	9
PL.1335	PL.289	ABC	#4 ACSR	7.48Y	124.7	0.00	0.30	3.47	3	73	28	93	0.00	0.0	2.032	0.003	0	0	0	9
PD.180	PL.1335	ABC	100QA	7.48Y	124.7	0.00	0.30	3.47	3	73	28	93	0.00	0.0	2.032	0.003	0	0	0	9
PL.1336	PD.180	ABC	#4 ACSR	7.48Y	124.7	0.01	0.32	3.47	3	73	28	93	0.01	0.0	2.115	0.083	6	2	2	9
PL.66	PL.1336	ABC	#4 ACSR	7.48Y	124.7	0.00	0.32	1.98	2	40	19	90	0.00	0.0	2.122	0.007	40	19	1	1
PL.1339	PL.1336	A	#4 ACSR	7.48Y	124.7	0.00	0.32	1.40	1	10	3	96	0.00	0.0	2.118	0.003	0	0	0	3
PD.182	PL.1339	A	15T	7.48Y	124.7	0.00	0.32	1.40	0	10	3	96	0.00	0.0	2.118	0.003	0	0	0	3

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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.1340	PD.182	A	#4 ACSR	7.48Y	124.7	0.01	0.32	1.40	1	10	3	96	0.00	0.0	2.217	0.099	0	0	0	3
PL.67	PL.1340	A	#4 ACSR	7.48Y	124.7	0.00	0.32	0.89	1	6	2	95	0.00	0.0	2.253	0.036	6	2	1	1
PL.69	PL.1340	A	#1/0 ACSR	7.48Y	124.7	0.00	0.32	0.51	0	4	1	97	0.00	0.0	2.263	0.046	0	0	0	2
PL.68	PL.69	A	#1/0 ACSR	7.48Y	124.7	0.00	0.32	0.00	0	0	0	100	0.00	0.0	2.277	0.014	0	0	0	0
PL.70	PL.69	A	#1/0 ACSR	7.48Y	124.7	0.00	0.32	0.51	0	4	1	97	0.00	0.0	2.343	0.081	4	1	2	2
PL.1337	PL.1336	A	#4 ACSR	7.48Y	124.7	0.00	0.32	2.30	2	17	5	96	0.00	0.0	2.118	0.003	0	0	0	3
PD.181	PL.1337	A	65QA	7.48Y	124.7	0.00	0.32	2.30	0	17	5	96	0.00	0.0	2.118	0.003	0	0	0	3
PL.1338	PD.181	A	#4 ACSR	7.48Y	124.7	0.00	0.32	2.30	2	17	5	96	0.00	0.0	2.167	0.049	10	3	2	3
PL.918	PL.1338	A	#4 ACSR	7.48Y	124.7	0.00	0.32	0.86	1	6	2	95	0.00	0.0	2.207	0.040	6	2	1	1
PL.1333	PL.293	A	#4 ACSR	7.48Y	124.7	0.00	0.30	1.00	1	7	2	96	0.00	0.0	1.900	0.003	0	0	0	2
PD.179	PL.1333	A	40QA	7.48Y	124.7	0.00	0.30	1.00	3	7	2	96	0.00	0.0	1.900	0.003	0	0	0	2
PL.1334	PD.179	A	#4 ACSR	7.48Y	124.7	0.00	0.30	1.00	1	7	2	96	0.00	0.0	1.902	0.002	0	0	0	2
PL.99	PL.1334	A	#4 ACSR	7.48Y	124.7	0.00	0.30	0.00	0	0	0	100	0.00	0.0	1.942	0.040	0	0	1	1
PL.286	PL.1334	A	#1/0 ACSR	7.48Y	124.7	0.00	0.30	1.00	0	7	2	96	0.00	0.0	1.907	0.005	0	0	0	1
PL.65	PL.286	A	#1/0 ACSR	7.48Y	124.7	0.00	0.30	1.00	0	7	2	96	0.00	0.0	1.931	0.024	7	2	1	1
PL.1331	PL.468	A	#4 ACSR	7.48Y	124.7	0.00	0.28	1.78	1	13	4	96	0.00	0.0	1.706	0.003	0	0	0	2
PD.178	PL.1331	A	65QA	7.48Y	124.7	0.00	0.28	1.78	0	13	4	96	0.00	0.0	1.706	0.003	0	0	0	2
PL.1332	PD.178	A	6 A (CWC)	7.48Y	124.7	0.00	0.29	1.78	1	13	4	96	0.00	0.0	1.761	0.055	0	0	0	2
PL.466	PL.1332	A	#4 ACSR	7.48Y	124.7	0.00	0.29	1.78	1	13	4	96	0.00	0.0	1.784	0.023	13	4	2	2
PL.916	PL.508	C	#1/0 ACSR	7.48Y	124.7	0.00	0.25	1.07	0	8	2	97	0.00	0.0	1.524	0.043	8	2	1	1
PL.512	PL.1032	ABC	397 SPACER	7.49Y	124.8	0.01	0.22	25.38	5	549	154	96	0.01	0.0	1.397	0.102	0	0	0	132
PL.568	PL.512	A	#4 ACSR	7.48Y	124.7	0.03	0.25	23.58	18	170	47	96	0.04	0.0	1.427	0.030	0	0	0	41
PL.1261	PL.568	A	#4 ACSR	7.48Y	124.7	0.00	0.26	23.58	18	170	47	96	0.00	0.0	1.430	0.003	0	0	0	41
PD.144	PL.1261	A	50L	7.48Y	124.7	0.00	0.26	23.58	47	170	47	96	0.00	0.0	1.430	0.003	0	0	0	41
PL.1262	PD.144	A	#4 ACSR	7.48Y	124.7	0.03	0.29	23.58	18	170	47	96	0.04	0.0	1.460	0.030	18	5	6	41
PL.82	PL.1262	A	#4 ACSR	7.48Y	124.6	0.06	0.35	21.07	16	152	42	96	0.07	0.0	1.530	0.070	13	4	3	35
PL.81	PL.82	A	#4 ACSR	7.48Y	124.6	0.04	0.39	16.48	13	119	33	96	0.03	0.0	1.584	0.053	13	4	5	27
PL.921	PL.81	A	#4 ACSR	7.48Y	124.6	0.00	0.39	4.85	4	35	10	96	0.00	0.0	1.597	0.013	0	0	0	9
PL.922	PL.921	A	#4 ACSR	7.48Y	124.6	0.00	0.40	4.85	4	35	10	96	0.00	0.0	1.624	0.026	21	6	4	9
PL.79	PL.922	A	#4 ACSR	7.48Y	124.6	0.00	0.40	0.85	1	6	2	95	0.00	0.0	1.654	0.031	0	0	0	3
PL.78	PL.79	A	#4 ACSR	7.48Y	124.6	0.00	0.40	0.85	1	6	2	95	0.00	0.0	1.708	0.054	6	2	2	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: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.77	PL.78	A	#4 ACSR	7.48Y	124.6	0.00	0.40	0.00	0	0	0	100	0.00	0.0	1.763	0.056	0	0	1	1
PL.83	PL.922	A	#4 ACSR	7.48Y	124.6	0.00	0.40	1.06	1	8	2	97	0.00	0.0	1.627	0.003	0	0	0	2
PL.80	PL.83	A	#4 ACSR	7.48Y	124.6	0.00	0.40	1.06	1	8	2	97	0.00	0.0	1.691	0.064	8	2	2	2
PL.570	PL.81	A	#4 ACSR	7.48Y	124.6	0.02	0.41	9.86	8	71	20	96	0.01	0.0	1.625	0.041	0	0	0	13
PL.571	PL.570	A	#4 ACSR	7.47Y	124.6	0.02	0.42	9.86	8	71	20	96	0.01	0.0	1.668	0.044	14	4	2	13
PL.76	PL.571	A	#4 ACSR	7.47Y	124.6	0.02	0.44	7.94	6	57	16	96	0.01	0.0	1.727	0.058	7	2	1	11
PL.294	PL.76	A	#4 ACSR	7.47Y	124.5	0.02	0.46	7.03	5	51	14	96	0.01	0.0	1.789	0.062	0	0	0	10
PL.295	PL.294	A	#4 ACSR	7.47Y	124.5	0.02	0.49	7.03	5	51	14	96	0.01	0.0	1.869	0.081	5	1	1	10
PL.89	PL.295	A	#4 ACSR	7.47Y	124.5	0.00	0.49	1.34	1	10	3	96	0.00	0.0	1.901	0.032	10	3	1	1
PL.87	PL.295	A	#4 ACSR	7.47Y	124.5	0.02	0.50	3.89	3	28	8	96	0.00	0.0	1.964	0.095	0	0	1	7
PL.574	PL.87	A	#4 ACSR	7.47Y	124.5	0.01	0.51	3.89	3	28	8	96	0.00	0.0	2.043	0.079	16	4	2	6
PL.575	PL.574	A	#4 ACSR	7.47Y	124.5	0.00	0.52	1.69	1	12	3	97	0.00	0.0	2.096	0.053	6	2	1	4
PL.576	PL.575	A	#4 ACSR	7.47Y	124.5	0.00	0.52	0.90	1	6	2	95	0.00	0.0	2.107	0.011	5	1	2	3
PL.86	PL.576	A	#4 ACSR	7.47Y	124.5	0.00	0.52	0.22	0	2	0	100	0.00	0.0	2.169	0.062	0	0	0	1
PL.578	PL.86	A	#4 ACSR	7.47Y	124.5	0.00	0.52	0.22	0	2	0	100	0.00	0.0	2.236	0.067	0	0	0	1
PL.579	PL.578	A	#4 ACSR	7.47Y	124.5	0.00	0.52	0.22	0	2	0	100	0.00	0.0	2.308	0.072	0	0	0	1
PL.577	PL.579	A	#4 ACSR	7.47Y	124.5	0.00	0.52	0.22	0	2	0	100	0.00	0.0	2.359	0.051	2	0	1	1
PL.88	PL.295	A	#4 ACSR	7.47Y	124.5	0.00	0.49	1.09	1	8	2	97	0.00	0.0	1.923	0.054	8	2	1	1
PL.85	PL.82	A	8 A (CWC)	7.48Y	124.6	0.01	0.36	2.76	3	20	6	96	0.00	0.0	1.562	0.032	5	1	1	5
PL.84	PL.85	A	8 A (CWC)	7.48Y	124.6	0.00	0.36	2.09	2	15	4	97	0.00	0.0	1.595	0.033	4	1	2	4
PL.572	PL.84	A	#1/0 ACSR	7.48Y	124.6	0.00	0.36	1.49	1	11	3	96	0.00	0.0	1.602	0.007	0	0	0	2
PL.573	PL.572	A	#1/0 ACSR	7.48Y	124.6	0.00	0.36	1.49	1	11	3	96	0.00	0.0	1.626	0.024	11	3	2	2
PL.502	PL.512	ABC	397 SPACER	7.49Y	124.8	0.01	0.23	17.52	3	379	107	96	0.00	0.0	1.493	0.096	0	0	0	91
PL.504	PL.502	ABC	397 SPACER	7.49Y	124.8	0.01	0.24	17.46	3	377	106	96	0.01	0.0	1.624	0.131	0	0	0	90
PL.1143	PL.504	A	#4 ACSR	7.49Y	124.8	0.00	0.24	0.00	0	0	0	100	0.00	0.0	1.628	0.004	0	0	0	0
PD.100	PL.1143	A	40QA	7.49Y	124.8	0.00	0.24	0.00	0	0	0	100	0.00	0.0	1.628	0.004	0	0	0	0
PL.1144	PD.100	A	#4 ACSR	7.49Y	124.8	0.00	0.24	0.00	0	0	0	100	0.00	0.0	1.635	0.007	0	0	0	0
PL.499	PL.504	ABC	397 SPACER	7.49Y	124.8	0.01	0.24	17.46	3	377	106	96	0.01	0.0	1.789	0.165	0	0	0	90
PL.494	PL.499	ABC	397 SPACER	7.48Y	124.7	0.01	0.26	17.46	3	377	106	96	0.01	0.0	2.048	0.260	7	2	1	90
PL.487	PL.494	ABC	397 SPACER	7.48Y	124.7	0.00	0.26	17.15	3	371	104	96	0.00	0.0	2.117	0.068	0	0	0	89
PL.485	PL.487	ABC	397 SPACER	7.48Y	124.7	0.01	0.27	17.15	3	371	104	96	0.00	0.0	2.225	0.108	7	2	1	89

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.100	PL.485	ABC	397 SPACER	7.48Y	124.7	0.00	0.27	16.82	3	364	102	96	0.00	0.0	2.241	0.016	4	1	1	88
PL.482	PL.100	ABC	397 SPACER	7.48Y	124.7	0.00	0.27	16.14	3	349	98	96	0.00	0.0	2.312	0.072	8	2	1	84
PL.480	PL.482	ABC	397 SPACER	7.48Y	124.7	0.00	0.27	15.79	3	341	96	96	0.00	0.0	2.371	0.059	0	0	0	83
PL.478	PL.480	ABC	336 MCM AC	7.48Y	124.7	0.01	0.28	15.79	3	341	96	96	0.01	0.0	2.416	0.045	0	0	0	83
PL.1349	PL.478	ABC	336 MCM AC	7.48Y	124.7	0.01	0.28	15.79	3	341	96	96	0.01	0.0	2.460	0.045	0	0	0	83
PL.58	PL.1349	ABC	336 MCM AC	7.48Y	124.7	0.00	0.29	14.56	3	315	88	96	0.00	0.0	2.487	0.027	0	0	0	78
PL.1352	PL.58	C	#1/0 ACSR	7.48Y	124.7	0.00	0.29	2.24	1	16	5	95	0.00	0.0	2.490	0.003	0	0	0	3
PD.187	PL.1352	C	65QA	7.48Y	124.7	0.00	0.29	2.24	0	16	5	95	0.00	0.0	2.490	0.003	0	0	0	3
PL.1353	PD.187	C	#1/0 ACSR	7.48Y	124.7	0.02	0.31	2.24	1	16	5	95	0.00	0.0	2.863	0.373	0	0	0	3
PL.17	PL.1353	C	#4 ACSR	7.48Y	124.7	0.00	0.31	1.76	1	13	4	96	0.00	0.0	2.904	0.041	13	4	2	2
PL.18	PL.1353	C	#4 ACSR	7.48Y	124.7	0.00	0.31	0.48	0	3	1	95	0.00	0.0	2.948	0.084	3	1	1	1
PL.1148	PL.58	ABC	336 MCM AC	7.48Y	124.7	0.01	0.30	13.82	3	299	84	96	0.02	0.0	2.595	0.108	0	0	0	75
PL.59	PL.1148	ABC	336 MCM AC	7.48Y	124.7	0.00	0.30	13.76	3	297	83	96	0.00	0.0	2.623	0.029	0	0	0	74
PL.472	PL.59	ABC	336 MCM AC	7.48Y	124.7	0.01	0.31	13.66	3	295	83	96	0.01	0.0	2.705	0.082	0	0	0	73
PL.1358	PL.472	A	#1/0 ACSR	7.48Y	124.7	0.00	0.31	0.41	0	3	1	95	0.00	0.0	2.709	0.003	0	0	0	2
PD.190	PL.1358	A	40QA	7.48Y	124.7	0.00	0.31	0.41	1	3	1	95	0.00	0.0	2.709	0.003	0	0	0	2
PL.1359	PD.190	A	#1/0 ACSR	7.48Y	124.7	0.00	0.31	0.41	0	3	1	95	0.00	0.0	2.721	0.012	3	1	2	2
PL.439	PL.472	ABC	336 MCM AC	7.48Y	124.7	0.00	0.31	13.52	3	292	82	96	0.00	0.0	2.733	0.027	1	0	1	71
PL.440	PL.439	ABC	336 MCM AC	7.48Y	124.7	0.00	0.32	13.48	3	291	82	96	0.00	0.0	2.759	0.027	0	0	0	70
PL.13	PL.440	ABC	336 MCM AC	7.48Y	124.7	0.00	0.32	12.93	2	279	78	96	0.01	0.0	2.805	0.046	0	0	0	68
PL.19	PL.13	A	#1/0 ACSR	7.48Y	124.7	0.00	0.32	0.78	0	6	2	95	0.00	0.0	2.831	0.026	6	2	1	1
PL.441	PL.13	ABC	336 MCM AC	7.48Y	124.7	0.01	0.33	12.67	2	274	77	96	0.02	0.0	2.916	0.111	0	0	0	67
PL.444	PL.441	ABC	336 MCM AC	7.48Y	124.7	0.00	0.33	12.67	2	274	77	96	0.00	0.0	2.940	0.024	2	1	1	67
PL.445	PL.444	ABC	336 MCM AC	7.48Y	124.7	0.01	0.34	12.56	2	271	76	96	0.01	0.0	2.994	0.054	0	0	0	66
PL.447	PL.445	ABC	336 MCM AC	7.48Y	124.7	0.01	0.35	12.28	2	265	74	96	0.01	0.0	3.074	0.080	5	1	1	63
PL.449	PL.447	ABC	336 MCM AC	7.48Y	124.6	0.01	0.35	12.04	2	260	73	96	0.01	0.0	3.178	0.103	0	0	0	62
PL.15	PL.449	ABC	336 MCM AC	7.48Y	124.6	0.01	0.36	11.92	2	258	72	96	0.01	0.0	3.236	0.058	0	0	0	60
PL.453	PL.15	ABC	336 MCM AC	7.48Y	124.6	0.00	0.36	11.92	2	258	72	96	0.01	0.0	3.290	0.054	3	1	2	60
PL.454	PL.453	ABC	336 MCM AC	7.48Y	124.6	0.00	0.37	11.77	2	254	71	96	0.01	0.0	3.342	0.053	0	0	0	58
PL.455	PL.454	ABC	336 MCM AC	7.48Y	124.6	0.01	0.38	11.24	2	243	68	96	0.01	0.0	3.433	0.090	0	0	0	56
PL.1161	PL.455	A	#1/0 ACSR	7.48Y	124.6	0.00	0.38	1.62	1	12	3	97	0.00	0.0	3.437	0.005	0	0	0	2

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% 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.109	PL.1161	A	40QA	7.48Y	124.6	0.00	0.38	1.62	4	12	3	97	0.00	0.0	3.437	0.005	0	0	0	2
PL.1162	PD.109	A	#1/0 ACSR	7.48Y	124.6	0.00	0.38	1.62	1	12	3	97	0.00	0.0	3.447	0.010	12	3	2	2
PL.458	PL.455	ABC	336 MCM AC	7.48Y	124.6	0.01	0.39	10.71	2	231	65	96	0.01	0.0	3.547	0.115	0	0	0	54
PL.1165	PL.458	A	#1/0 ACSR	7.48Y	124.6	0.00	0.39	0.31	0	2	1	89	0.00	0.0	3.552	0.005	0	0	0	1
PD.111	PL.1165	A	40QA	7.48Y	124.6	0.00	0.39	0.31	1	2	1	89	0.00	0.0	3.552	0.005	0	0	0	1
PL.1166	PD.111	A	#1/0 ACSR	7.48Y	124.6	0.00	0.39	0.31	0	2	1	89	0.00	0.0	3.588	0.037	2	1	1	1
PL.436	PL.458	ABC	336 MCM AC	7.48Y	124.6	0.00	0.39	8.71	2	188	53	96	0.00	0.0	3.599	0.052	5	1	1	44
PL.437	PL.436	ABC	336 MCM AC	7.48Y	124.6	0.01	0.40	8.48	2	183	51	96	0.01	0.0	3.708	0.108	0	0	0	43
PL.246	PL.437	ABC	336 MCM AC	7.48Y	124.6	0.00	0.40	8.48	2	183	51	96	0.00	0.0	3.762	0.054	0	0	0	43
PL.1021	PL.246	C	#1/0 ACSR	7.48Y	124.6	0.00	0.40	2.25	1	16	5	95	0.00	0.0	3.766	0.005	0	0	0	4
PD.36	PL.1021	C	40QA	7.48Y	124.6	0.00	0.40	2.25	6	16	5	95	0.00	0.0	3.766	0.005	0	0	0	4
PL.1022	PD.36	C	#1/0 ACSR	7.48Y	124.6	0.00	0.40	2.25	1	16	5	95	0.00	0.0	3.786	0.020	16	5	4	4
PL.16	PL.246	ABC	336 MCM AC	7.48Y	124.6	0.00	0.40	7.73	1	167	47	96	0.00	0.0	3.816	0.054	0	0	0	39
PL.1171	PL.16	C	#1/0 ACSR	7.48Y	124.6	0.00	0.40	0.50	0	4	1	97	0.00	0.0	3.821	0.005	0	0	0	2
PD.114	PL.1171	C	40QA	7.48Y	124.6	0.00	0.40	0.50	1	4	1	97	0.00	0.0	3.821	0.005	0	0	0	2
PL.1172	PD.114	C	#1/0 ACSR	7.48Y	124.6	0.00	0.40	0.50	0	4	1	97	0.00	0.0	3.837	0.016	4	1	2	2
PL.433	PL.16	ABC	336 MCM AC	7.48Y	124.6	0.00	0.40	7.56	1	163	46	96	0.00	0.0	3.865	0.049	5	2	1	37
PL.434	PL.433	ABC	336 MCM AC	7.48Y	124.6	0.00	0.41	7.31	1	158	44	96	0.00	0.0	3.904	0.038	8	2	1	36
PL.431	PL.434	ABC	336 MCM AC	7.48Y	124.6	0.00	0.41	3.11	1	67	19	96	0.00	0.0	3.919	0.016	0	0	0	14
PL.10586	PL.431	ABC	336 MCM AC	7.48Y	124.6	0.00	0.41	3.11	1	67	19	96	0.00	0.0	3.969	0.050	4	1	1	14
PL.10587	PL.10586	ABC	336 MCM AC	7.48Y	124.6	0.00	0.41	2.91	1	63	18	96	0.00	0.0	4.021	0.051	6	2	1	13
PL.10585	PL.10587	ABC	336 MCM AC	7.48Y	124.6	0.00	0.41	2.61	1	56	16	96	0.00	0.0	4.060	0.039	0	0	0	12
PL.412	PL.10585	ABC	336 MCM AC	7.48Y	124.6	0.00	0.41	1.28	0	28	8	96	0.00	0.0	4.155	0.095	1	0	1	8
PL.416	PL.412	ABC	336 MCM AC	7.48Y	124.6	0.00	0.41	1.24	0	27	7	97	0.00	0.0	4.199	0.043	0	0	0	7
PL.417	PL.416	ABC	336 MCM AC	7.48Y	124.6	0.00	0.41	0.45	0	10	3	96	0.00	0.0	4.347	0.148	0	0	0	3
PL.421	PL.417	ABC	336 MCM AC	7.48Y	124.6	0.00	0.41	0.19	0	4	1	97	0.00	0.0	4.493	0.146	0	0	0	2
PL.65780	PL.421	ABC	336 MCM AC	7.48Y	124.6	0.00	0.41	0.09	0	2	1	89	0.00	0.0	4.548	0.055	0	0	0	1
PL.65781	PL.65780	ABC	336 MCM AC	7.48Y	124.6	0.00	0.41	0.09	0	2	1	89	0.00	0.0	4.700	0.152	2	1	1	1
PL.1371	PL.65781	ABC	336 MCM AC	7.48Y	124.6	0.00	0.41	0.00	0	0	0	100	0.00	0.0	4.747	0.046	0	0	0	0
PL.1372	PL.1371	ABC	336 MCM AC	7.48Y	124.6	0.00	0.41	0.00	0	0	0	100	0.00	0.0	4.749	0.003	0	0	0	0
PD.147-A	PL.1372	ABC	Open	7.48Y	124.6	0.00	0.41	0.00	0	0	0	100	0.00	0.0	4.749	0.003	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: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.1017	PL.421	A	#1/0 ACSR	7.48Y	124.6	0.00	0.41	0.31	0	2	1	89	0.00	0.0	4.498	0.005	0	0	0	1
PD.34	PL.1017	A	40QA	7.48Y	124.6	0.00	0.41	0.31	1	2	1	89	0.00	0.0	4.498	0.005	0	0	0	1
PL.1018	PD.34	A	#1/0 ACSR	7.48Y	124.6	0.00	0.41	0.31	0	2	1	89	0.00	0.0	4.506	0.008	2	1	1	1
PL.1369	PL.417	C	6 A (CWC)	7.48Y	124.6	0.00	0.41	0.78	1	6	2	95	0.00	0.0	4.350	0.003	0	0	0	1
PD.195	PL.1369	C	40QA	7.48Y	124.6	0.00	0.41	0.78	2	6	2	95	0.00	0.0	4.350	0.003	0	0	0	1
PL.1370	PD.195	C	6 A (CWC)	7.48Y	124.6	0.00	0.41	0.78	1	6	2	95	0.00	0.0	4.402	0.052	6	2	1	1
PL.1173	PL.416	C	#1/0 ACSR	7.48Y	124.6	0.00	0.41	0.00	0	0	0	100	0.00	0.0	4.203	0.005	0	0	0	0
PD.115	PL.1173	C	40QA	7.48Y	124.6	0.00	0.41	0.00	0	0	0	100	0.00	0.0	4.203	0.005	0	0	0	0
PL.1174	PD.115	C	#1/0 ACSR	7.48Y	124.6	0.00	0.41	0.00	0	0	0	100	0.00	0.0	4.212	0.009	0	0	0	0
PL.1175	PL.416	A	#1/0 ACSR	7.48Y	124.6	0.00	0.41	2.36	1	17	5	96	0.00	0.0	4.203	0.005	0	0	0	4
PD.116	PL.1175	A	40QA	7.48Y	124.6	0.00	0.41	2.36	6	17	5	96	0.00	0.0	4.203	0.005	0	0	0	4
PL.1176	PD.116	A	#1/0 ACSR	7.48Y	124.6	0.00	0.41	2.36	1	17	5	96	0.00	0.0	4.226	0.022	3	1	1	4
PL.413	PL.1176	A	#4 ACSR	7.48Y	124.6	0.00	0.41	1.90	1	14	4	96	0.00	0.0	4.254	0.028	8	2	2	3
PL.414	PL.413	A	#4 ACSR	7.48Y	124.6	0.00	0.42	0.80	1	6	2	95	0.00	0.0	4.286	0.032	6	2	1	1
PL.1167	PL.10585	A	#1/0 ACSR	7.48Y	124.6	0.00	0.41	1.02	0	7	2	96	0.00	0.0	4.065	0.005	0	0	0	3
PD.112	PL.1167	A	25T	7.48Y	124.6	0.00	0.41	1.02	0	7	2	96	0.00	0.0	4.065	0.005	0	0	0	3
PL.1168	PD.112	A	#1/0 ACSR	7.48Y	124.6	0.00	0.41	1.02	0	7	2	96	0.00	0.0	4.082	0.017	7	2	3	3
PL.1169	PL.10585	C	#1/0 ACSR	7.48Y	124.6	0.00	0.41	2.98	1	21	6	96	0.00	0.0	4.065	0.005	0	0	0	1
PD.113	PL.1169	C	40QA	7.48Y	124.6	0.00	0.41	2.98	7	21	6	96	0.00	0.0	4.065	0.005	0	0	0	1
PL.1170	PD.113	C	#1/0 ACSR	7.48Y	124.6	0.00	0.41	2.98	1	21	6	96	0.00	0.0	4.082	0.017	0	0	0	1
PL.20	PL.1170	C	#1/0 ACSR	7.48Y	124.6	0.00	0.41	2.98	1	21	6	96	0.00	0.0	4.125	0.043	21	6	1	1
PL.1019	PL.434	B	#1/0 ACSR	7.48Y	124.6	0.00	0.41	11.53	5	83	23	96	0.00	0.0	3.908	0.005	0	0	0	21
PD.35	PL.1019	B	30T	7.48Y	124.6	0.00	0.41	11.53	0	83	23	96	0.00	0.0	3.908	0.005	0	0	0	21
PL.1020	PD.35	B	#1/0 ACSR	7.47Y	124.6	0.02	0.43	11.53	5	83	23	96	0.01	0.0	3.982	0.073	10	3	2	21
PL.430	PL.1020	B	#1/0 ACSR	7.47Y	124.6	0.02	0.45	10.20	4	73	21	96	0.01	0.0	4.085	0.104	10	3	1	19
PL.73	PL.430	B	8 A (CWC)	7.47Y	124.5	0.06	0.51	8.84	9	64	18	96	0.03	0.0	4.186	0.101	0	0	1	18
PL.428	PL.73	B	#4 ACSR	7.47Y	124.5	0.01	0.52	8.84	7	64	18	96	0.01	0.0	4.222	0.036	8	2	3	17
PL.566	PL.428	B	#4 ACSR	7.47Y	124.4	0.04	0.56	7.79	6	56	16	96	0.02	0.0	4.343	0.121	3	1	2	14
PL.565	PL.566	B	#4 ACSR	7.47Y	124.4	0.01	0.58	7.39	6	53	15	96	0.00	0.0	4.383	0.040	5	1	2	12
PL.74	PL.565	B	#4 ACSR	7.47Y	124.4	0.00	0.58	0.60	0	4	1	97	0.00	0.0	4.405	0.022	4	1	2	2
PL.563	PL.565	B	#4 ACSR	7.46Y	124.4	0.02	0.60	6.14	5	44	12	96	0.01	0.0	4.466	0.083	9	2	1	8

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.919	PL.563	B	#4 ACSR	7.46Y	124.4	0.01	0.61	4.95	4	36	10	96	0.00	0.0	4.507	0.041	0	0	0	7
PL.564	PL.919	B	#4 ACSR	7.46Y	124.4	0.01	0.61	4.95	4	36	10	96	0.00	0.0	4.545	0.038	6	2	1	7
PL.562	PL.564	B	#4 ACSR	7.46Y	124.4	0.02	0.63	4.15	3	30	8	97	0.00	0.0	4.637	0.091	7	2	2	6
PL.561	PL.562	B	#4 ACSR	7.46Y	124.4	0.01	0.64	3.24	2	23	7	96	0.00	0.0	4.713	0.077	0	0	0	4
PL.557	PL.561	B	#4 ACSR	7.46Y	124.4	0.01	0.65	2.69	2	19	5	97	0.00	0.0	4.851	0.137	19	5	3	3
PL.559	PL.561	B	#1/0 ACSR	7.46Y	124.4	0.00	0.64	0.55	0	4	1	97	0.00	0.0	4.760	0.046	4	1	1	1
PL.1163	PL.458	C	#1/0 ACSR	7.48Y	124.6	0.00	0.39	5.67	2	41	11	97	0.00	0.0	3.552	0.005	0	0	0	9
PD.110	PL.1163	C	40QA	7.48Y	124.6	0.00	0.39	5.67	14	41	11	97	0.00	0.0	3.552	0.005	0	0	0	9
PL.1164	PD.110	C	#1/0 ACSR	7.48Y	124.6	0.00	0.39	5.67	2	41	11	97	0.00	0.0	3.568	0.017	0	0	0	9
PL.465	PL.1164	C	#1/0 ACSR	7.48Y	124.6	0.00	0.39	5.67	2	41	11	97	0.00	0.0	3.602	0.034	16	4	4	9
PL.464	PL.465	C	6 A (CWC)	7.48Y	124.6	0.01	0.40	3.46	2	25	7	96	0.00	0.0	3.645	0.043	6	2	1	5
PL.914	PL.464	C	6 A (CWC)	7.48Y	124.6	0.00	0.40	2.61	2	19	5	97	0.00	0.0	3.694	0.049	6	2	2	4
PL.463	PL.914	C	6 A (CWC)	7.48Y	124.6	0.00	0.41	1.73	1	12	3	97	0.00	0.0	3.756	0.062	9	2	1	2
PL.462	PL.463	C	6 A (CWC)	7.48Y	124.6	0.00	0.41	0.51	0	4	1	97	0.00	0.0	3.810	0.054	0	0	0	1
PL.461	PL.462	C	6 A (CWC)	7.48Y	124.6	0.00	0.41	0.51	0	4	1	97	0.00	0.0	3.833	0.023	4	1	1	1
PL.460	PL.461	C	6 A (CWC)	7.48Y	124.6	0.00	0.41	0.00	0	0	0	100	0.00	0.0	3.929	0.096	0	0	0	0
PL.1159	PL.454	A	#1/0 ACSR	7.48Y	124.6	0.00	0.37	1.58	1	11	3	96	0.00	0.0	3.347	0.005	0	0	0	2
PD.108	PL.1159	A	40QA	7.48Y	124.6	0.00	0.37	1.58	4	11	3	96	0.00	0.0	3.347	0.005	0	0	0	2
PL.1160	PD.108	A	#1/0 ACSR	7.48Y	124.6	0.00	0.37	1.58	1	11	3	96	0.00	0.0	3.375	0.028	11	3	2	2
PL.911	PL.1160	A	#2 ACSR	7.48Y	124.6	0.00	0.37	0.00	0	0	0	100	0.00	0.0	3.401	0.026	0	0	0	0
PL.912	PL.911	A	#2 ACSR	7.48Y	124.6	0.00	0.37	0.00	0	0	0	100	0.00	0.0	3.417	0.016	0	0	0	0
PL.1157	PL.15	A	#1/0 ACSR	7.48Y	124.6	0.00	0.36	0.00	0	0	0	100	0.00	0.0	3.240	0.005	0	0	0	0
PD.107	PL.1157	A	40QA	7.48Y	124.6	0.00	0.36	0.00	0	0	0	100	0.00	0.0	3.240	0.005	0	0	0	0
PL.1158	PD.107	A	#1/0 ACSR	7.48Y	124.6	0.00	0.36	0.00	0	0	0	100	0.00	0.0	3.251	0.010	0	0	0	0
PL.1155	PL.449	A	#1/0 ACSR	7.48Y	124.6	0.00	0.35	0.00	0	0	0	100	0.00	0.0	3.182	0.005	0	0	0	0
PD.106	PL.1155	A	40QA	7.48Y	124.6	0.00	0.35	0.00	0	0	0	100	0.00	0.0	3.182	0.005	0	0	0	0
PL.1156	PD.106	A	#1/0 ACSR	7.48Y	124.6	0.00	0.35	0.00	0	0	0	100	0.00	0.0	3.199	0.017	0	0	0	0
PL.1153	PL.449	C	#1/0 ACSR	7.48Y	124.6	0.00	0.35	0.35	0	3	1	95	0.00	0.0	3.182	0.005	0	0	0	2
PD.105	PL.1153	C	40QA	7.48Y	124.6	0.00	0.35	0.35	1	3	1	95	0.00	0.0	3.182	0.005	0	0	0	2
PL.1154	PD.105	C	#1/0 ACSR	7.48Y	124.6	0.00	0.35	0.35	0	3	1	95	0.00	0.0	3.210	0.028	3	1	2	2
PL.1367	PL.445	C	#1/0 ACSR	7.48Y	124.7	0.00	0.34	0.83	0	6	2	95	0.00	0.0	2.997	0.003	0	0	0	3

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% 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.194	PL.1367	C	40QA	7.48Y	124.7	0.00	0.34	0.83	2	6	2	95	0.00	0.0	2.997	0.003	0	0	0	3
PL.1368	PD.194	C	#1/0 ACSR	7.48Y	124.7	0.00	0.34	0.83	0	6	2	95	0.00	0.0	3.028	0.031	3	1	2	3
PL.450	PL.1368	C	#1/0 ACSR	7.48Y	124.7	0.00	0.34	0.36	0	3	1	95	0.00	0.0	3.082	0.053	3	1	1	1
PL.1365	PL.441	C	336 MCM AC	7.48Y	124.7	0.00	0.33	0.00	0	0	0	100	0.00	0.0	2.918	0.001	0	0	0	0
PL.1360	PL.440	C	#1/0 ACSR	7.48Y	124.7	0.00	0.32	1.65	1	12	3	97	0.00	0.0	2.763	0.003	0	0	0	2
PD.191	PL.1360	C	40QA	7.48Y	124.7	0.00	0.32	1.65	4	12	3	97	0.00	0.0	2.763	0.003	0	0	0	2
PL.1361	PD.191	C	#1/0 ACSR	7.48Y	124.7	0.00	0.32	1.65	1	12	3	97	0.00	0.0	2.781	0.018	12	3	2	2
PL.1356	PL.59	C	#1/0 ACSR	7.48Y	124.7	0.00	0.30	0.31	0	2	1	89	0.00	0.0	2.627	0.003	0	0	0	1
PD.189	PL.1356	C	40QA	7.48Y	124.7	0.00	0.30	0.31	1	2	1	89	0.00	0.0	2.627	0.003	0	0	0	1
PL.1357	PD.189	C	#1/0 ACSR	7.48Y	124.7	0.00	0.30	0.31	0	2	1	89	0.00	0.0	2.641	0.015	2	1	1	1
PL.1354	PL.1148	C	#1/0 ACSR	7.48Y	124.7	0.00	0.30	0.18	0	1	0	100	0.00	0.0	2.598	0.003	0	0	0	1
PD.188	PL.1354	C	40QA	7.48Y	124.7	0.00	0.30	0.18	0	1	0	100	0.00	0.0	2.598	0.003	0	0	0	1
PL.1355	PD.188	C	#1/0 ACSR	7.48Y	124.7	0.00	0.30	0.18	0	1	0	100	0.00	0.0	2.631	0.033	1	0	1	1
PL.72	PL.1349	C	#1/0 ACSR	7.48Y	124.7	0.00	0.29	3.67	2	26	7	97	0.00	0.0	2.470	0.010	6	2	2	5
PL.1350	PL.72	C	8 A (CWC)	7.48Y	124.7	0.00	0.29	2.80	3	20	6	96	0.00	0.0	2.473	0.003	0	0	0	3
PD.186	PL.1350	C	25T	7.48Y	124.7	0.00	0.29	2.80	0	20	6	96	0.00	0.0	2.473	0.003	0	0	0	3
PL.1351	PD.186	C	8 A (CWC)	7.48Y	124.7	0.01	0.29	2.80	3	20	6	96	0.00	0.0	2.515	0.042	0	0	0	3
PL.547	PL.1351	C	8 A (CWC)	7.48Y	124.7	0.01	0.30	1.89	2	14	4	96	0.00	0.0	2.620	0.105	8	2	1	2
PL.544	PL.547	C	#4 ACSR	7.48Y	124.7	0.01	0.31	0.76	1	5	2	93	0.00	0.0	2.916	0.296	5	2	1	1
PL.549	PL.1351	C	#1/0 ACSR	7.48Y	124.7	0.00	0.29	0.91	0	7	2	96	0.00	0.0	2.570	0.055	7	2	1	1
PL.1282	PL.100	A	#4 ACSR	7.48Y	124.7	0.00	0.27	1.44	1	10	3	96	0.00	0.0	2.244	0.003	0	0	0	3
PD.159	PL.1282	A	65QA	7.48Y	124.7	0.00	0.27	1.44	0	10	3	96	0.00	0.0	2.244	0.003	0	0	0	3
PL.1283	PD.159	A	#4 ACSR	7.48Y	124.7	0.00	0.27	1.44	1	10	3	96	0.00	0.0	2.246	0.002	0	0	0	3
PL.101	PL.1283	A	#4 ACSR	7.48Y	124.7	0.00	0.27	0.00	0	0	0	100	0.00	0.0	2.262	0.016	0	0	0	0
PL.285	PL.1283	A	8 A (CWC)	7.48Y	124.7	0.00	0.27	1.44	1	10	3	96	0.00	0.0	2.265	0.019	0	0	0	3
PL.553	PL.285	A	8 A (CWC)	7.48Y	124.7	0.00	0.27	1.44	1	10	3	96	0.00	0.0	2.288	0.023	9	3	2	3
PL.554	PL.553	A	8 A (CWC)	7.48Y	124.7	0.00	0.27	0.16	0	1	0	100	0.00	0.0	2.329	0.041	0	0	0	1
PL.552	PL.554	A	8 A (CWC)	7.48Y	124.7	0.00	0.27	0.16	0	1	0	100	0.00	0.0	2.369	0.041	0	0	0	1
PL.551	PL.552	A	8 A (CWC)	7.48Y	124.7	0.00	0.27	0.16	0	1	0	100	0.00	0.0	2.408	0.039	1	0	1	1
PL.1341	PL.502	B	#4 ACSR	7.49Y	124.8	0.00	0.23	0.19	0	1	0	100	0.00	0.0	1.495	0.003	0	0	0	1
PD.183	PL.1341	B	40QA	7.49Y	124.8	0.00	0.23	0.19	0	1	0	100	0.00	0.0	1.495	0.003	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: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.1342	PD.183	B	#4 ACSR	7.49Y	124.8	0.00	0.23	0.19	0	1	0	100	0.00	0.0	1.511	0.015	1	0	1	1
PL.1325	PL.54	A	#2 ACSR	7.49Y	124.8	0.00	0.20	1.51	1	11	3	96	0.00	0.0	1.190	0.004	0	0	0	2
PD.175	PL.1325	A	40QA	7.49Y	124.8	0.00	0.20	1.51	4	11	3	96	0.00	0.0	1.190	0.004	0	0	0	2
PL.1326	PD.175	A	#2 ACSR	7.49Y	124.8	0.00	0.20	1.51	1	11	3	96	0.00	0.0	1.211	0.021	11	3	2	2
PL.1323	PL.53	B	#2 ACSR	7.49Y	124.8	0.00	0.20	0.68	0	5	1	98	0.00	0.0	1.166	0.003	0	0	0	1
PD.174	PL.1323	B	40QA	7.49Y	124.8	0.00	0.20	0.68	2	5	1	98	0.00	0.0	1.166	0.003	0	0	0	1
PL.1324	PD.174	B	#2 ACSR	7.49Y	124.8	0.00	0.20	0.68	0	5	1	98	0.00	0.0	1.199	0.033	5	1	1	1
PL.1319	PL.98	B	#4 ACSR	7.49Y	124.8	0.00	0.18	3.70	3	27	7	97	0.00	0.0	0.997	0.004	0	0	0	6
PD.172	PL.1319	B	40QA	7.49Y	124.8	0.00	0.18	3.70	9	27	7	97	0.00	0.0	0.997	0.004	0	0	0	6
PL.1320	PD.172	B	#4 ACSR	7.49Y	124.8	0.00	0.18	3.70	3	27	7	97	0.00	0.0	1.004	0.007	6	2	2	6
PL.516	PL.1320	B	#4 ACSR	7.49Y	124.8	0.00	0.18	2.92	2	21	6	96	0.00	0.0	1.020	0.016	15	4	3	4
PL.4	PL.516	B	#4 ACSR	7.49Y	124.8	0.00	0.18	0.82	1	6	2	95	0.00	0.0	1.107	0.087	6	2	1	1
PL.1317	PL.1314	B	6 A (CWC)	7.49Y	124.8	0.00	0.16	1.56	1	11	3	96	0.00	0.0	0.906	0.004	0	0	0	4
PD.171	PL.1317	B	65QA	7.49Y	124.8	0.00	0.16	1.56	0	11	3	96	0.00	0.0	0.906	0.004	0	0	0	4
PL.1318	PD.171	B	6 A (CWC)	7.49Y	124.8	0.00	0.17	1.56	1	11	3	96	0.00	0.0	0.926	0.020	11	3	4	4
PL.1300	PL.1297	B	#2 ACSR	7.50Y	124.9	0.00	0.08	1.37	1	10	3	96	0.00	0.0	0.361	0.003	0	0	0	4
PD.163	PL.1300	B	65T	7.50Y	124.9	0.00	0.08	1.37	0	10	3	96	0.00	0.0	0.361	0.003	0	0	0	4
PL.1301	PD.163	B	#2 ACSR	7.50Y	124.9	0.00	0.08	1.37	1	10	3	96	0.00	0.0	0.364	0.003	0	0	0	4
PL.299	PL.1301	B	#4 ACSR	7.50Y	124.9	0.00	0.08	0.93	1	7	2	96	0.00	0.0	0.381	0.018	0	0	0	3
PL.1	PL.299	B	#4 ACSR	7.50Y	124.9	0.00	0.08	0.93	1	7	2	96	0.00	0.0	0.395	0.014	7	2	3	3
PL.93	PL.1301	B	#2 ACSR	7.50Y	124.9	0.00	0.08	0.44	0	3	1	95	0.00	0.0	0.379	0.015	3	1	1	1
PL.1287	PL.1389	B	6 A (CWC)	7.50Y	125.0	0.00	0.04	0.90	1	6	2	95	0.00	0.0	0.109	0.003	0	0	0	3
PD.161	PL.1287	B	65QA	7.50Y	125.0	0.00	0.04	0.90	0	6	2	95	0.00	0.0	0.109	0.003	0	0	0	3
PL.1288	PD.161	B	#2 ACSR	7.50Y	125.0	0.00	0.04	0.90	1	6	2	95	0.00	0.0	0.131	0.023	6	2	3	3
PL.1852	Goose Rock	ABC	336 MCM AC	7.50Y	125.0	0.01	0.01	260.48	50	5531	1937	94	0.32	0.0	0.006	0.006	0	0	0	1228
PL.7155	PL.1852	ABC	336 MCM AC	7.50Y	125.0	0.00	0.01	260.48	50	5531	1937	94	0.08	0.0	0.007	0.001	0	0	0	1228
---------- Feeder No. 1 (Garrad F1) Beginning with Device PD.1526 ----------																				
PD.1526	PL.7155	ABC	480VWE	7.50Y	125.0	0.00	0.01	260.48	0	5531	1936	94	0.00	0.0	0.007	0.001	0	0	0	1228
PL.7156	PD.1526	ABC	336 MCM AC	7.49Y	124.9	0.09	0.10	260.48	50	5531	1936	94	2.43	0.0	0.049	0.043	10	3	1	1228

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.1390	PL.7156	ABC	336 MCM AC	7.48Y	124.6	0.31	0.41	260.02	50	5519	1928	94	8.47	0.2	0.198	0.149	0	0	0	1227
PL.2476	PL.1390	A	#4 ACSR	7.48Y	124.6	0.00	0.41	1.02	1	7	2	96	0.00	0.0	0.203	0.005	0	0	0	4
PD.309	PL.2476	A	40QA	7.48Y	124.6	0.00	0.41	1.02	3	7	2	96	0.00	0.0	0.203	0.005	0	0	0	4
PL.2477	PD.309	A	#4 ACSR	7.48Y	124.6	0.00	0.42	1.02	1	7	2	96	0.00	0.0	0.289	0.086	6	2	2	4
PL.1392	PL.2477	A	#1/0 ACSR	7.48Y	124.6	0.00	0.42	0.19	0	1	0	100	0.00	0.0	0.331	0.042	1	0	2	2
PL.1393	PL.1390	ABC	336 MCM AC	7.45Y	124.2	0.40	0.81	259.68	50	5503	1906	94	10.86	0.2	0.389	0.191	0	0	0	1223
PL.1395	PL.1393	ABC	336 MCM AC	7.44Y	123.9	0.25	1.06	244.12	47	5156	1787	94	6.54	0.1	0.520	0.130	0	0	0	1131
PL.5262	PL.1395	C	#1/0 ACSR	7.44Y	123.9	0.00	1.06	1.10	0	8	2	97	0.00	0.0	0.523	0.004	0	0	0	2
PD.894	PL.5262	C	40QA	7.44Y	123.9	0.00	1.06	1.10	3	8	2	97	0.00	0.0	0.523	0.004	0	0	0	2
PL.5263	PD.894	C	#1/0 ACSR	7.44Y	123.9	0.00	1.06	1.10	0	8	2	97	0.00	0.0	0.540	0.017	8	2	2	2
PL.5264	PL.1395	B	#1/0 ACSR	7.44Y	123.9	0.00	1.06	9.12	4	65	18	96	0.00	0.0	0.523	0.003	0	0	0	14
PD.895	PL.5264	B	70L	7.44Y	123.9	0.00	1.06	9.12	13	65	18	96	0.00	0.0	0.523	0.003	0	0	0	14
PL.5265	PD.895	B	#1/0 ACSR	7.43Y	123.9	0.03	1.09	9.12	4	65	18	96	0.01	0.0	0.667	0.144	6	2	1	14
PL.1584	PL.5265	B	6 A (CWC)	7.43Y	123.9	0.01	1.11	8.31	6	60	17	96	0.01	0.0	0.702	0.035	0	0	0	13
PL.1401	PL.1584	B	#1/0 ACSR	7.43Y	123.9	0.00	1.11	1.75	1	13	3	97	0.00	0.0	0.749	0.047	2	1	1	2
PL.1402	PL.1401	B	#1/0 ACSR	7.43Y	123.9	0.00	1.11	1.47	1	10	3	96	0.00	0.0	0.794	0.044	10	3	1	1
PL.1585	PL.1584	B	6 A (CWC)	7.43Y	123.9	0.02	1.13	6.56	5	47	13	96	0.01	0.0	0.779	0.077	2	1	2	11
PL.1403	PL.1585	B	6 A (CWC)	7.43Y	123.8	0.05	1.18	6.30	5	45	13	96	0.02	0.0	0.968	0.189	0	0	0	9
PL.1406	PL.1403	B	#2 ACSR	7.43Y	123.8	0.00	1.19	1.38	1	10	3	96	0.00	0.0	1.094	0.126	10	3	1	1
PL.1405	PL.1403	B	8 A (CWC)	7.42Y	123.7	0.08	1.26	4.93	5	35	10	96	0.02	0.1	1.213	0.245	0	0	0	8
PL.1410	PL.1405	B	8 A (CWC)	7.42Y	123.7	0.03	1.29	4.93	5	35	10	96	0.01	0.0	1.290	0.077	0	0	0	8
PL.1411	PL.1410	B	8 A (CWC)	7.42Y	123.7	0.04	1.33	4.93	5	35	10	96	0.01	0.0	1.460	0.170	15	4	2	8
PL.1413	PL.1411	B	#2 ACSR	7.42Y	123.7	0.00	1.33	0.71	0	5	1	98	0.00	0.0	1.488	0.028	5	1	1	2
PL.1418	PL.1413	B	#2 ACSR	7.42Y	123.7	0.00	1.33	0.06	0	0	0	100	0.00	0.0	1.647	0.159	0	0	1	1
PL.1414	PL.1411	B	#4 ACSR	7.42Y	123.7	0.00	1.34	2.06	2	15	4	97	0.00	0.0	1.501	0.041	0	0	0	4
PL.1416	PL.1414	B	#4 ACSR	7.42Y	123.7	0.00	1.34	0.96	1	7	2	96	0.00	0.0	1.662	0.161	7	2	2	2
PL.1415	PL.1414	B	#4 ACSR	7.42Y	123.7	0.00	1.34	1.09	1	8	2	97	0.00	0.0	1.523	0.022	8	2	2	2
PL.1399	PL.1395	ABC	336 MCM AC	7.43Y	123.9	0.06	1.13	240.72	46	5077	1751	95	1.58	0.0	0.552	0.032	0	0	0	1115
PL.1459	PL.1399	ABC	336 MCM AC	7.42Y	123.7	0.15	1.28	239.82	46	5056	1742	95	3.91	0.1	0.633	0.081	0	0	0	1112
PL.2412	PL.1459	C	#1/0 ACSR	7.42Y	123.7	0.00	1.28	0.72	0	5	1	98	0.00	0.0	0.637	0.005	0	0	0	1
PD.276	PL.2412	C	40QA	7.42Y	123.7	0.00	1.28	0.72	2	5	1	98	0.00	0.0	0.637	0.005	0	0	0	1

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.2413	PD.276	C	#1/0 ACSR	7.42Y	123.7	0.00	1.28	0.72	0	5	1	98	0.00	0.0	0.643	0.005	0	0	0	1
PL.1464	PL.2413	C	#1/0 ACSR	7.42Y	123.7	0.00	1.28	0.72	0	5	1	98	0.00	0.0	0.684	0.041	0	0	0	1
PL.1472	PL.1464	C	#2 ACSR	7.42Y	123.7	0.00	1.28	0.72	0	5	1	98	0.00	0.0	0.756	0.072	0	0	0	1
PL.1473	PL.1472	C	#2 ACSR	7.42Y	123.7	0.00	1.28	0.72	0	5	1	98	0.00	0.0	0.796	0.040	5	1	1	1
PL.1465	PL.1459	ABC	336 MCM AC	7.42Y	123.7	0.05	1.33	239.58	46	5046	1731	95	1.22	0.0	0.658	0.025	0	0	0	1111
PL.1466	PL.1465	ABC	336 MCM AC	7.42Y	123.6	0.06	1.39	239.52	46	5044	1728	95	1.50	0.0	0.689	0.031	0	0	0	1110
PL.1496	PL.1466	ABC	336 MCM AC	7.40Y	123.3	0.30	1.68	235.03	45	4946	1698	95	7.37	0.1	0.847	0.158	0	0	0	1082
PL.1580	PL.1496	ABC	336 MCM AC	7.38Y	123.0	0.34	2.03	235.03	45	4939	1681	95	8.57	0.2	1.031	0.184	0	0	0	1082
PL.1581	PL.1580	ABC	336 MCM AC	7.37Y	122.8	0.18	2.20	234.42	45	4917	1657	95	4.40	0.1	1.126	0.095	0	0	0	1080
PL.2480	PL.1581	C	#4 ACSR	7.37Y	122.8	0.00	2.20	1.22	1	9	2	98	0.00	0.0	1.131	0.005	0	0	0	3
PD.311	PL.2480	C	50QA	7.37Y	122.8	0.00	2.20	1.22	2	9	2	98	0.00	0.0	1.131	0.005	0	0	0	3
PL.2481	PD.311	C	#4 ACSR	7.37Y	122.8	0.00	2.20	1.22	1	9	2	98	0.00	0.0	1.143	0.012	0	0	0	3
PL.1499	PL.2481	C	6 A (CWC)	7.37Y	122.8	0.00	2.21	1.22	1	9	2	98	0.00	0.0	1.179	0.037	6	2	1	3
PL.2138	PL.1499	C	#4 ACSR	7.37Y	122.8	0.00	2.21	0.00	0	0	0	100	0.00	0.0	1.249	0.069	0	0	0	0
PL.2139	PL.2138	C	#4 ACSR	7.37Y	122.8	0.00	2.21	0.00	0	0	0	100	0.00	0.0	1.329	0.080	0	0	0	0
PL.1505	PL.1499	C	6 A (CWC)	7.37Y	122.8	0.00	2.21	0.37	0	3	1	95	0.00	0.0	1.255	0.075	3	1	2	2
PL.1506	PL.1505	C	6 A (CWC)	7.37Y	122.8	0.00	2.21	0.00	0	0	0	100	0.00	0.0	1.294	0.040	0	0	0	0
PL.1498	PL.1581	ABC	336 MCM AC	7.36Y	122.7	0.08	2.28	234.02	45	4904	1644	95	1.88	0.0	1.167	0.041	0	0	0	1077
PL.1501	PL.1498	ABC	336 MCM AC	7.35Y	122.5	0.25	2.53	234.02	45	4902	1640	95	6.22	0.1	1.302	0.135	0	0	0	1077
PL.2140	PL.1501	ABC	336 MCM AC	7.34Y	122.3	0.20	2.73	234.02	45	4896	1625	95	5.05	0.1	1.412	0.109	0	0	0	1077
PL.2141	PL.2140	ABC	336 MCM AC	7.33Y	122.2	0.05	2.78	234.02	45	4891	1614	95	1.26	0.0	1.439	0.027	5	1	1	1077
PL.1507	PL.2141	ABC	336 MCM AC	7.33Y	122.1	0.10	2.88	232.81	45	4864	1604	95	2.51	0.1	1.494	0.055	0	0	0	1069
PL.1509	PL.1507	ABC	336 MCM AC	7.32Y	122.1	0.07	2.95	232.81	45	4862	1598	95	1.66	0.0	1.530	0.036	0	0	0	1069
PL.1510	PL.1509	ABC	336 MCM AC	7.32Y	122.0	0.06	3.01	232.81	45	4860	1594	95	1.48	0.0	1.563	0.032	0	0	0	1069
PL.1511	PL.1510	ABC	336 MCM AC	7.32Y	121.9	0.06	3.07	225.85	44	4715	1537	95	1.58	0.0	1.599	0.037	0	0	0	1053
PL.1522	PL.1511	ABC	336 MCM AC	7.30Y	121.7	0.18	3.25	225.05	43	4697	1529	95	4.36	0.1	1.702	0.102	8	2	1	1051
PL.1528	PL.1522	ABC	336 MCM AC	7.30Y	121.7	0.07	3.32	223.73	43	4664	1511	95	1.70	0.0	1.742	0.040	0	0	0	1045
PL.2292	PL.1528	A	#1/0 ACSR	7.30Y	121.7	0.00	3.32	1.30	1	9	3	95	0.00	0.0	1.746	0.005	0	0	0	3
PD.219	PL.2292	A	40QA	7.30Y	121.7	0.00	3.32	1.30	3	9	3	95	0.00	0.0	1.746	0.005	0	0	0	3
PL.2293	PD.219	A	#1/0 ACSR	7.30Y	121.7	0.00	3.32	1.30	1	9	3	95	0.00	0.0	1.757	0.010	9	3	3	3
PL.1529	PL.1528	ABC	336 MCM AC	7.30Y	121.6	0.07	3.39	223.30	43	4654	1504	95	1.72	0.0	1.783	0.041	0	0	0	1042

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.1539	PL.1529	ABC	336 MCM AC	7.29Y	121.4	0.17	3.56	222.84	43	4642	1497	95	4.12	0.1	1.881	0.098	0	0	0	1040
PL.1542	PL.1539	ABC	#1/0 ACSR	7.29Y	121.4	0.00	3.57	1.41	1	30	8	97	0.00	0.0	1.911	0.030	0	0	0	4
PL.1543	PL.1542	ABC	#1/0 ACSR	7.29Y	121.4	0.00	3.57	0.94	0	20	5	97	0.00	0.0	1.929	0.018	20	5	1	1
PL.2328	PL.1542	C	#1/0 ACSR	7.29Y	121.4	0.00	3.57	1.41	1	10	3	96	0.00	0.0	1.915	0.005	0	0	0	3
PD.236	PL.2328	C	40QA	7.29Y	121.4	0.00	3.57	1.41	4	10	3	96	0.00	0.0	1.915	0.005	0	0	0	3
PL.2329	PD.236	C	#1/0 ACSR	7.29Y	121.4	0.00	3.57	1.41	1	10	3	96	0.00	0.0	1.953	0.037	10	3	3	3
PL.1541	PL.1539	ABC	336 MCM AC	7.28Y	121.4	0.06	3.63	221.43	43	4608	1480	95	1.49	0.0	1.917	0.036	0	0	0	1036
PL.1544	PL.1541	ABC	336 MCM AC	7.27Y	121.2	0.20	3.83	220.99	43	4598	1474	95	4.89	0.1	2.036	0.119	0	0	0	1035
PL.1547	PL.1544	ABC	336 MCM AC	7.26Y	121.0	0.17	4.00	220.99	43	4593	1462	95	4.10	0.1	2.136	0.100	0	0	0	1035
PL.1549	PL.1547	ABC	336 MCM AC	7.25Y	120.9	0.08	4.08	220.44	42	4577	1449	95	1.97	0.0	2.184	0.048	0	0	0	1033
PL.2334	PL.1549	C	#1/0 ACSR	7.25Y	120.9	0.00	4.08	0.67	0	5	1	98	0.00	0.0	2.189	0.005	0	0	0	1
PD.239	PL.2334	C	40QA	7.25Y	120.9	0.00	4.08	0.67	2	5	1	98	0.00	0.0	2.189	0.005	0	0	0	1
PL.2335	PD.239	C	#1/0 ACSR	7.25Y	120.9	0.00	4.08	0.67	0	5	1	98	0.00	0.0	2.226	0.037	5	1	1	1
PL.1550	PL.1549	ABC	336 MCM AC	7.25Y	120.8	0.16	4.25	220.21	42	4570	1443	95	3.89	0.1	2.279	0.095	0	0	0	1032
PL.1552	PL.1550	ABC	336 MCM AC	7.23Y	120.5	0.24	4.48	216.52	42	4489	1413	95	5.56	0.1	2.420	0.141	0	0	0	1021
PL.1564	PL.1552	ABC	336 MCM AC	7.22Y	120.3	0.21	4.69	216.52	42	4484	1400	95	4.98	0.1	2.546	0.126	0	0	0	1021
PL.1568	PL.1564	ABC	336 MCM AC	7.21Y	120.1	0.17	4.86	216.02	42	4468	1385	96	3.95	0.1	2.647	0.101	0	0	0	1018
PL.2322	PL.1568	A	8 A (CWC)	7.21Y	120.1	0.00	4.86	0.61	1	4	1	97	0.00	0.0	2.651	0.004	0	0	0	5
PD.233	PL.2322	A	40QA	7.21Y	120.1	0.00	4.86	0.61	2	4	1	97	0.00	0.0	2.651	0.004	0	0	0	5
PL.2323	PD.233	A	8 A (CWC)	7.21Y	120.1	0.00	4.86	0.61	1	4	1	97	0.00	0.0	2.758	0.107	0	0	0	5
PL.1574	PL.2323	A	#4 ACSR	7.21Y	120.1	0.00	4.87	0.61	0	4	1	97	0.00	0.0	2.854	0.096	0	0	0	5
PL.1578	PL.1574	A	#2 ACSR	7.21Y	120.1	0.00	4.87	0.61	0	4	1	97	0.00	0.0	2.891	0.037	4	1	5	5
PL.2320	PL.1568	ABC	336 MCM AC	7.21Y	120.1	0.01	4.87	215.82	42	4460	1375	96	0.17	0.0	2.651	0.004	0	0	0	1013
PL.2321	PL.2320	ABC	336 MCM AC	7.19Y	119.9	0.22	5.09	215.82	42	4460	1374	96	5.26	0.1	2.785	0.134	0	0	0	1013
PL.1579	PL.2321	ABC	336 MCM AC	7.18Y	119.6	0.28	5.36	215.82	42	4455	1362	96	6.54	0.1	2.952	0.167	0	0	0	1013
PL.2490	PL.1579	C	#4 ACSR	7.18Y	119.6	0.00	5.37	1.28	1	9	2	98	0.00	0.0	2.956	0.005	0	0	0	1
PD.316	PL.2490	C	15T	7.18Y	119.6	0.00	5.37	1.28	0	9	2	98	0.00	0.0	2.956	0.005	0	0	0	1
PL.2491	PD.316	C	#4 ACSR	7.18Y	119.6	0.00	5.37	1.28	1	9	2	98	0.00	0.0	2.980	0.024	9	2	1	1
PL.1593	PL.1579	ABC	336 MCM AC	7.16Y	119.4	0.27	5.63	214.89	41	4429	1341	96	6.31	0.1	3.114	0.162	0	0	0	1011
PL.2338	PL.1593	C	#2 ACSR	7.16Y	119.4	0.00	5.63	0.64	0	4	1	97	0.00	0.0	3.118	0.005	0	0	0	1
PD.241	PL.2338	C	40QA	7.16Y	119.4	0.00	5.63	0.64	2	4	1	97	0.00	0.0	3.118	0.005	0	0	0	1

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PL.2339	PD.241	C	#2 ACSR	7.16Y	119.4	0.00	5.63	0.64	0	4	1	97	0.00	0.0	3.130	0.012	4	1	1	1	
PL.2492	PL.1593	A	#2 ACSR	7.16Y	119.4	0.00	5.63	5.00	3	35	10	96	0.00	0.0	3.118	0.004	0	0	0	5	
PD.317	PL.2492	A	40QA	7.16Y	119.4	0.00	5.63	5.00	13	35	10	96	0.00	0.0	3.118	0.004	0	0	0	5	
PL.2493	PD.317	A	#2 ACSR	7.16Y	119.4	0.00	5.64	5.00	3	35	10	96	0.00	0.0	3.152	0.034	8	2	1	5	
PL.1599	PL.2493	A	#2 ACSR	7.16Y	119.4	0.00	5.64	2.11	1	15	4	97	0.00	0.0	3.197	0.044	15	4	2	2	
PL.1598	PL.2493	A	#2 ACSR	7.16Y	119.4	0.00	5.64	1.66	1	11	3	96	0.00	0.0	3.176	0.024	11	3	2	2	
PL.2131	PL.1593	ABC	336 MCM AC	7.16Y	119.3	0.10	5.73	213.00	41	4383	1316	96	2.25	0.1	3.173	0.059	0	0	0	1005	
PL.2132	PL.2131	ABC	336 MCM AC	7.15Y	119.2	0.12	5.85	211.58	41	4352	1302	96	2.85	0.1	3.248	0.076	1	0	1	998	
PL.1603	PL.2132	ABC	336 MCM AC	7.15Y	119.1	0.03	5.88	141.88	27	2913	879	96	0.50	0.0	3.278	0.030	2	1	3	622	
PL.1775	PL.1603	ABC	336 MCM AC	7.14Y	119.0	0.10	5.98	141.76	27	2910	877	96	1.59	0.1	3.372	0.094	13	4	1	619	
PL.2182	PL.1775	ABC	336 MCM AC	7.14Y	119.0	0.05	6.03	141.14	27	2896	870	96	0.72	0.0	3.415	0.043	0	0	0	618	
PL.2266	PL.2182	ABC	336 MCM AC	7.14Y	119.0	0.02	6.05	137.67	27	2824	848	96	0.30	0.0	3.433	0.018	0	0	0	602	
PL.2562	PL.2266	ABC	336 MCM AC	7.14Y	118.9	0.00	6.05	137.67	27	2823	847	96	0.04	0.0	3.436	0.003	0	0	0	602	
PD.354	PL.2562	ABC	4804C	7.14Y	118.9	0.00	6.05	137.67	0	2823	847	96	0.00	0.0	3.436	0.003	0	0	0	602	
PL.2563	PD.354	ABC	336 MCM AC	7.14Y	118.9	0.03	6.08	137.67	27	2823	847	96	0.43	0.0	3.463	0.027	0	0	0	602	
PL.2009	PL.2563	ABC	336 MCM AC	7.14Y	118.9	0.00	6.08	137.67	27	2823	846	96	0.02	0.0	3.464	0.001	0	0	0	602	
RG.2	PL.2009	ABC	114.3 KVA	7.46Y	124.4	-5.44	0.64	137.67	92	2823	846	96	percent Boost= 4.38 Tap= 7.0							602	C
PL.2008	RG.2	ABC	336 MCM AC	7.46Y	124.4	0.00	0.64	131.65	25	2823	846	96	0.02	0.0	3.466	0.001	0	0	0	602	
PL.2179	PL.2008	ABC	336 MCM AC	7.46Y	124.3	0.03	0.67	131.65	25	2823	846	96	0.38	0.0	3.492	0.026	0	0	1	602	
PL.2180	PL.2179	ABC	336 MCM AC	7.46Y	124.3	0.06	0.73	131.63	25	2822	845	96	0.85	0.0	3.550	0.059	0	0	0	601	
PL.2318	PL.2180	C	#1/0 ACSR	7.46Y	124.3	0.00	0.73	0.42	0	3	1	95	0.00	0.0	3.555	0.005	0	0	0	1	
PD.232	PL.2318	C	40QA	7.46Y	124.3	0.00	0.73	0.42	1	3	1	95	0.00	0.0	3.555	0.005	0	0	0	1	
PL.2319	PD.232	C	#1/0 ACSR	7.46Y	124.3	0.00	0.73	0.42	0	3	1	95	0.00	0.0	3.576	0.021	3	1	1	1	
PL.2130	PL.2180	ABC	336 MCM AC	7.45Y	124.2	0.06	0.78	131.49	25	2818	842	96	0.85	0.0	3.608	0.058	0	0	0	600	
PL.2128	PL.2130	ABC	336 MCM AC	7.45Y	124.2	0.03	0.81	131.49	25	2817	840	96	0.40	0.0	3.636	0.028	0	0	0	600	
PL.2129	PL.2128	ABC	336 MCM AC	7.45Y	124.2	0.02	0.83	104.32	20	2232	675	96	0.24	0.0	3.662	0.026	0	0	0	476	
PL.2316	PL.2129	C	#4 ACSR	7.45Y	124.2	0.00	0.83	4.79	4	34	10	96	0.00	0.0	3.667	0.005	0	0	0	8	
PD.231	PL.2316	C	20T	7.45Y	124.2	0.00	0.83	4.79	0	34	10	96	0.00	0.0	3.667	0.005	0	0	0	8	
PL.2317	PD.231	C	#4 ACSR	7.45Y	124.2	0.01	0.85	4.79	4	34	10	96	0.00	0.0	3.734	0.067	10	3	1	8	
PL.1984	PL.2317	C	6 A (CWC)	7.45Y	124.1	0.01	0.85	3.34	2	24	7	96	0.00	0.0	3.780	0.046	3	1	2	7	
PL.1985	PL.1984	C	6 A (CWC)	7.45Y	124.1	0.00	0.85	1.46	1	10	3	96	0.00	0.0	3.841	0.061	5	1	1	3	

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.1987	PL.1985	C	6 A (CWC)	7.45Y	124.1	0.00	0.86	0.75	1	5	2	93	0.00	0.0	3.878	0.037	5	2	2	2
PL.1986	PL.1984	C	#4 ACSR	7.45Y	124.1	0.00	0.85	1.49	1	11	3	96	0.00	0.0	3.819	0.039	11	3	2	2
PL.2177	PL.2129	ABC	336 MCM AC	7.45Y	124.1	0.03	0.86	102.73	20	2198	664	96	0.29	0.0	3.695	0.033	1	0	1	468
PL.2178	PL.2177	ABC	336 MCM AC	7.45Y	124.1	0.02	0.87	102.67	20	2196	663	96	0.19	0.0	3.716	0.022	0	0	0	467
PL.2125	PL.2178	ABC	336 MCM AC	7.45Y	124.1	0.02	0.90	102.43	20	2191	661	96	0.26	0.0	3.745	0.029	0	0	0	466
PL.2173	PL.2125	ABC	336 MCM AC	7.44Y	124.0	0.07	0.96	101.84	20	2178	656	96	0.76	0.0	3.832	0.087	3	1	1	464
PL.2174	PL.2173	ABC	336 MCM AC	7.44Y	124.0	0.02	0.98	101.71	20	2175	654	96	0.22	0.0	3.858	0.026	0	0	0	463
PL.2171	PL.2174	ABC	336 MCM AC	7.44Y	124.0	0.06	1.05	100.75	19	2154	648	96	0.72	0.0	3.942	0.084	0	0	0	460
PL.2172	PL.2171	ABC	336 MCM AC	7.44Y	123.9	0.02	1.07	100.75	19	2153	646	96	0.24	0.0	3.971	0.029	8	2	5	460
PL.2170	PL.2172	ABC	336 MCM AC	7.43Y	123.8	0.09	1.16	100.40	19	2145	643	96	0.96	0.0	4.083	0.112	0	0	0	455
PL.2312	PL.2170	C	#2 ACSR	7.43Y	123.8	0.00	1.16	3.24	2	23	6	97	0.00	0.0	4.088	0.005	0	0	0	3
PD.229	PL.2312	C	20T	7.43Y	123.8	0.00	1.16	3.24	0	23	6	97	0.00	0.0	4.088	0.005	0	0	0	3
PL.2313	PD.229	C	#2 ACSR	7.43Y	123.8	0.00	1.16	3.24	2	23	6	97	0.00	0.0	4.136	0.048	23	6	3	3
PL.2122	PL.2170	ABC	336 MCM AC	7.43Y	123.8	0.04	1.20	99.32	19	2121	635	96	0.44	0.0	4.136	0.053	0	0	0	452
PL.2308	PL.2122	C	#2 ACSR	7.43Y	123.8	0.00	1.20	1.44	1	10	3	96	0.00	0.0	4.141	0.005	0	0	0	3
PD.227	PL.2308	C	40QA	7.43Y	123.8	0.00	1.20	1.44	4	10	3	96	0.00	0.0	4.141	0.005	0	0	0	3
PL.2309	PD.227	C	#2 ACSR	7.43Y	123.8	0.00	1.20	1.44	1	10	3	96	0.00	0.0	4.169	0.028	10	3	3	3
PL.1793	PL.2309	C	#2 ACSR	7.43Y	123.8	0.00	1.20	0.00	0	0	0	100	0.00	0.0	4.197	0.028	0	0	0	0
PL.2120	PL.2122	ABC	336 MCM AC	7.43Y	123.8	0.02	1.22	98.84	19	2110	631	96	0.24	0.0	4.165	0.029	0	0	0	449
PL.2175	PL.2120	ABC	336 MCM AC	7.42Y	123.7	0.13	1.35	98.51	19	2103	628	96	1.39	0.1	4.335	0.170	3	1	2	448
PL.2176	PL.2175	ABC	336 MCM AC	7.42Y	123.6	0.04	1.39	98.39	19	2099	624	96	0.44	0.0	4.389	0.054	0	0	0	446
PL.2546	PL.2176	ABC	1/0 AL URD	7.42Y	123.6	0.00	1.39	7.13	4	146	62	92	0.00	0.0	4.394	0.005	0	0	0	4
PD.344	PL.2546	ABC	40QA	7.42Y	123.6	0.00	1.39	7.13	18	146	63	92	0.00	0.0	4.394	0.005	0	0	0	4
PL.2547	PD.344	ABC	1/0 AL URD	7.42Y	123.6	0.00	1.39	7.13	4	146	63	92	0.00	0.0	4.412	0.018	0	0	0	4
PL.1795	PL.2547	ABC	1/0 AL URD	7.42Y	123.6	0.01	1.40	6.89	4	140	61	92	0.01	0.0	4.453	0.042	0	0	0	3
PL.1804	PL.1795	ABC	1/0 AL URD	7.42Y	123.6	0.01	1.40	6.90	4	140	62	91	0.00	0.0	4.518	0.065	118	57	1	3
PL.1796	PL.1804	ABC	1/0 AL URD	7.42Y	123.6	0.00	1.40	1.04	1	23	5	98	0.00	0.0	4.558	0.039	0	0	0	2
PL.1797	PL.1796	A	1/0 AL URD	7.42Y	123.6	0.00	1.40	3.16	2	23	6	97	0.00	0.0	4.560	0.002	23	6	1	1
PL.1798	PL.1796	ABC	1/0 AL URD	7.42Y	123.6	0.00	1.40	0.02	0	0	0	100	0.00	0.0	4.588	0.030	0	0	0	1
PL.1799	PL.1798	A	1/0 AL URD	7.42Y	123.6	0.00	1.40	0.01	0	0	0	100	0.00	0.0	4.590	0.002	0	0	1	1
PL.1794	PL.2547	A	1/0 AL URD	7.42Y	123.6	0.00	1.39	0.74	0	5	1	98	0.00	0.0	4.414	0.002	5	1	1	1

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.2112	PL.2176	ABC	336 MCM AC	7.41Y	123.6	0.04	1.42	91.31	18	1953	561	96	0.36	0.0	4.441	0.052	2	1	2	442
PL.1802	PL.2112	A	1/0 AL URD	7.41Y	123.6	0.00	1.42	3.84	2	27	7	97	0.00	0.0	4.445	0.005	0	0	0	7
PD.214	PL.1802	A	40QA	7.41Y	123.6	0.00	1.42	3.84	10	27	7	97	0.00	0.0	4.445	0.005	0	0	0	7
PL.2007	PD.214	A	1/0 AL URD	7.41Y	123.6	0.00	1.42	3.84	2	27	7	97	0.00	0.0	4.457	0.012	0	0	0	7
PL.1801	PL.2007	A	1/0 AL URD	7.41Y	123.6	0.00	1.43	3.84	2	27	7	97	0.00	0.0	4.487	0.030	27	8	4	7
PL.1800	PL.1801	A	1/0 AL URD	7.41Y	123.6	0.00	1.43	-0.01	0	0	0	100	0.00	0.0	4.513	0.026	0	0	3	3
PL.2113	PL.2112	ABC	336 MCM AC	7.41Y	123.5	0.08	1.50	89.92	17	1923	552	96	0.77	0.0	4.554	0.114	0	0	0	433
PL.2109	PL.2113	ABC	336 MCM AC	7.41Y	123.4	0.06	1.56	89.92	17	1922	550	96	0.61	0.0	4.644	0.090	0	0	0	433
PL.2278	PL.2109	B	#4 ACSR	7.41Y	123.4	0.00	1.56	1.56	1	11	3	96	0.00	0.0	4.649	0.005	0	0	0	1
PD.211	PL.2278	B	40QA	7.41Y	123.4	0.00	1.56	1.56	4	11	3	96	0.00	0.0	4.649	0.005	0	0	0	1
PL.2279	PD.211	B	#4 ACSR	7.41Y	123.4	0.00	1.56	1.56	1	11	3	96	0.00	0.0	4.675	0.027	11	3	1	1
PL.2110	PL.2109	ABC	336 MCM AC	7.40Y	123.4	0.08	1.63	89.40	17	1910	545	96	0.76	0.0	4.756	0.112	0	0	0	432
PL.2099	PL.2110	ABC	336 MCM AC	7.40Y	123.3	0.04	1.67	86.68	17	1851	527	96	0.37	0.0	4.815	0.058	2	0	1	417
PL.2282	PL.2099	A	#4 ACSR	7.40Y	123.3	0.00	1.67	2.96	2	21	6	96	0.00	0.0	4.819	0.005	0	0	0	11
PD.213	PL.2282	A	40QA	7.40Y	123.3	0.00	1.67	2.96	7	21	6	96	0.00	0.0	4.819	0.005	0	0	0	11
PL.2283	PD.213	A	#4 ACSR	7.40Y	123.3	0.00	1.68	2.96	2	21	6	96	0.00	0.0	4.846	0.027	21	6	11	11
PL.1588	PL.2099	ABC	336 MCM AC	7.40Y	123.3	0.01	1.69	85.61	16	1828	520	96	0.14	0.0	4.837	0.022	5	1	2	405
PL.1589	PL.1588	ABC	336 MCM AC	7.40Y	123.3	0.01	1.70	85.40	16	1823	519	96	0.12	0.0	4.857	0.020	0	0	0	403
PL.2095	PL.1589	ABC	336 MCM AC	7.40Y	123.3	0.03	1.73	85.40	16	1823	518	96	0.31	0.0	4.908	0.051	0	0	0	403
PL.2468	PL.2095	C	#4 ACSR	7.40Y	123.3	0.00	1.73	0.33	0	2	1	89	0.00	0.0	4.912	0.005	0	0	0	4
PD.305	PL.2468	C	40QA	7.40Y	123.3	0.00	1.73	0.33	1	2	1	89	0.00	0.0	4.912	0.005	0	0	0	4
PL.2469	PD.305	C	#4 ACSR	7.40Y	123.3	0.00	1.73	0.33	0	2	1	89	0.00	0.0	4.920	0.008	2	1	4	4
PL.2096	PL.2095	ABC	336 MCM AC	7.39Y	123.2	0.02	1.76	85.29	16	1821	517	96	0.23	0.0	4.945	0.037	0	0	0	399
PL.2360	PL.2096	C	#4 ACSR	7.39Y	123.2	0.00	1.76	1.42	1	10	3	96	0.00	0.0	4.949	0.005	0	0	0	1
PD.253	PL.2360	C	40QA	7.39Y	123.2	0.00	1.76	1.42	4	10	3	96	0.00	0.0	4.949	0.005	0	0	0	1
PL.2361	PD.253	C	#4 ACSR	7.39Y	123.2	0.00	1.76	1.42	1	10	3	96	0.00	0.0	4.978	0.029	0	0	0	1
PL.1849	PL.2361	C	#4 ACSR	7.39Y	123.2	0.00	1.76	1.42	1	10	3	96	0.00	0.0	5.008	0.030	10	3	1	1
PL.2187	PL.2096	ABC	336 MCM AC	7.39Y	123.2	0.02	1.77	84.82	16	1810	514	96	0.18	0.0	4.974	0.029	8	2	1	398
PL.2188	PL.2187	ABC	336 MCM AC	7.39Y	123.2	0.03	1.81	84.44	16	1802	511	96	0.30	0.0	5.024	0.050	0	0	0	397
PL.2094	PL.2188	ABC	336 MCM AC	7.39Y	123.2	0.02	1.82	39.25	8	838	236	96	0.07	0.0	5.081	0.057	0	0	0	182
PL.2362	PL.2094	C	#2 ACSR	7.39Y	123.2	0.00	1.82	1.11	1	8	2	97	0.00	0.0	5.086	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: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% 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.254	PL.2362	C	40QA	7.39Y	123.2	0.00	1.82	1.11	3	8	2	97	0.00	0.0	5.086	0.005	0	0	0	1
PL.2363	PD.254	C	#2 ACSR	7.39Y	123.2	0.00	1.82	1.11	1	8	2	97	0.00	0.0	5.096	0.010	8	2	1	1
PL.2189	PL.2094	ABC	336 MCM AC	7.39Y	123.2	0.01	1.84	38.88	7	830	233	96	0.06	0.0	5.129	0.047	0	0	0	181
PL.2190	PL.2189	ABC	336 MCM AC	7.39Y	123.2	0.01	1.85	38.88	7	830	233	96	0.04	0.0	5.162	0.034	0	0	0	181
PL.2364	PL.2190	C	#4 ACSR	7.39Y	123.2	0.00	1.85	3.34	3	24	7	96	0.00	0.0	5.167	0.005	0	0	0	11
PD.255	PL.2364	C	40QA	7.39Y	123.2	0.00	1.85	3.34	8	24	7	96	0.00	0.0	5.167	0.005	0	0	0	11
PL.2365	PD.255	C	#4 ACSR	7.39Y	123.2	0.00	1.85	3.34	3	24	7	96	0.00	0.0	5.183	0.016	4	1	4	11
PL.1924	PL.2365	C	#4 ACSR	7.39Y	123.1	0.00	1.85	2.79	2	20	6	96	0.00	0.0	5.230	0.047	20	6	7	7
PL.2093	PL.2190	ABC	336 MCM AC	7.39Y	123.1	0.01	1.86	37.77	7	806	226	96	0.05	0.0	5.202	0.040	0	0	0	170
PL.2092	PL.2093	ABC	336 MCM AC	7.39Y	123.1	0.01	1.87	37.05	7	791	222	96	0.04	0.0	5.234	0.032	2	1	1	165
PL.1928	PL.2092	ABC	336 MCM AC	7.39Y	123.1	0.03	1.90	36.07	7	770	216	96	0.12	0.0	5.345	0.111	8	2	3	161
PL.2372	PL.1928	ABC	336 MCM AC	7.39Y	123.1	0.01	1.91	35.70	7	762	214	96	0.06	0.0	5.399	0.054	9	3	1	158
PL.2191	PL.2372	ABC	336 MCM AC	7.38Y	123.1	0.02	1.93	34.74	7	741	208	96	0.08	0.0	5.480	0.081	7	2	2	155
PL.2192	PL.2191	ABC	336 MCM AC	7.38Y	123.1	0.00	1.94	34.44	7	735	206	96	0.02	0.0	5.498	0.018	0	0	0	153
PL.2374	PL.2192	A	#4 ACSR	7.38Y	123.1	0.00	1.94	2.78	2	20	6	96	0.00	0.0	5.502	0.005	0	0	0	3
PD.259	PL.2374	A	40QA	7.38Y	123.1	0.00	1.94	2.78	7	20	6	96	0.00	0.0	5.502	0.005	0	0	0	3
PL.2375	PD.259	A	#4 ACSR	7.38Y	123.1	0.00	1.94	2.78	2	20	6	96	0.00	0.0	5.532	0.029	20	6	3	3
PL.2377	PL.2192	ABC	336 MCM AC	7.38Y	123.0	0.02	1.96	33.51	6	715	200	96	0.07	0.0	5.576	0.079	0	0	0	150
PL.2382	PL.2377	A	#4 ACSR	7.38Y	123.0	0.00	1.96	13.01	10	93	26	96	0.00	0.0	5.581	0.005	0	0	0	23
PD.262	PL.2382	A	40QA	7.38Y	123.0	0.00	1.96	13.01	33	93	26	96	0.00	0.0	5.581	0.005	0	0	0	23
PL.2383	PD.262	A	#4 ACSR	7.38Y	123.0	0.01	1.97	13.01	10	93	26	96	0.01	0.0	5.595	0.014	8	2	3	23
PL.1931	PL.2383	A	6 A (CWC)	7.38Y	123.0	0.00	1.97	1.43	1	10	3	96	0.00	0.0	5.616	0.020	2	1	1	3
PL.1932	PL.1931	A	#4 ACSR	7.38Y	123.0	0.00	1.97	1.13	1	8	2	97	0.00	0.0	5.644	0.029	7	2	1	2
PL.1933	PL.1932	A	#4 ACSR	7.38Y	123.0	0.00	1.97	0.10	0	1	0	100	0.00	0.0	5.664	0.020	1	0	1	1
PL.1930	PL.2383	A	#4 ACSR	7.38Y	123.0	0.01	1.98	10.52	8	75	21	96	0.01	0.0	5.627	0.032	13	4	1	17
PL.1938	PL.1930	A	#4 ACSR	7.38Y	123.0	0.01	1.99	8.64	7	61	17	96	0.01	0.0	5.659	0.032	0	0	0	16
PL.1939	PL.1938	A	#4 ACSR	7.38Y	123.0	0.02	2.01	8.55	7	61	17	96	0.01	0.0	5.713	0.054	0	0	0	15
PL.1941	PL.1939	A	#4 ACSR	7.38Y	123.0	0.02	2.03	8.55	7	61	17	96	0.01	0.0	5.766	0.053	13	4	3	15
PL.1942	PL.1941	A	6 A (CWC)	7.38Y	123.0	0.00	2.03	2.76	2	20	5	97	0.00	0.0	5.792	0.026	9	3	1	5
PL.1945	PL.1942	A	6 A (CWC)	7.38Y	123.0	0.00	2.03	1.47	1	10	3	96	0.00	0.0	5.843	0.051	10	3	4	4
PL.1943	PL.1941	A	#4 ACSR	7.38Y	123.0	0.01	2.04	2.75	2	20	5	97	0.00	0.0	5.829	0.063	6	2	5	6

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.1946	PL.1943	A	#4 ACSR	7.38Y	123.0	0.00	2.04	1.88	1	13	4	96	0.00	0.0	5.876	0.047	13	4	1	1
PL.1944	PL.1941	A	6 A (CWC)	7.38Y	123.0	0.00	2.03	1.21	1	9	2	98	0.00	0.0	5.805	0.039	9	2	1	1
PL.1940	PL.1938	A	6 A (CWC)	7.38Y	123.0	0.00	1.99	0.09	0	1	0	100	0.00	0.0	5.712	0.053	1	0	1	1
PL.2087	PL.2377	ABC	336 MCM AC	7.38Y	123.0	0.01	1.96	29.18	6	622	174	96	0.03	0.0	5.620	0.044	2	1	1	127
PL.2085	PL.2087	ABC	336 MCM AC	7.38Y	123.0	0.01	1.98	25.02	5	534	149	96	0.03	0.0	5.678	0.057	0	0	0	110
PL.2197	PL.2085	ABC	336 MCM AC	7.38Y	123.0	0.02	2.00	22.40	4	478	134	96	0.06	0.0	5.809	0.131	2	1	1	103
PL.2198	PL.2197	ABC	336 MCM AC	7.38Y	123.0	0.00	2.00	22.29	4	475	133	96	0.01	0.0	5.830	0.021	0	0	0	102
PL.2388	PL.2198	A	#2 ACSR	7.38Y	123.0	0.00	2.00	4.21	2	30	8	97	0.00	0.0	5.835	0.004	0	0	0	8
PD.265	PL.2388	A	15T	7.38Y	123.0	0.00	2.00	4.21	0	30	8	97	0.00	0.0	5.835	0.004	0	0	0	8
PL.2389	PD.265	A	#2 ACSR	7.38Y	123.0	0.00	2.00	4.21	2	30	8	97	0.00	0.0	5.844	0.009	4	1	3	8
PL.1954	PL.2389	A	#2 ACSR	7.38Y	123.0	0.00	2.00	3.71	2	26	7	97	0.00	0.0	5.863	0.019	0	0	0	5
PL.1955	PL.1954	A	#2 ACSR	7.38Y	123.0	0.01	2.01	3.71	2	26	7	97	0.00	0.0	5.918	0.054	2	1	2	5
PL.1956	PL.1955	A	#2 ACSR	7.38Y	123.0	0.00	2.02	3.38	2	24	7	96	0.00	0.0	5.965	0.047	0	0	0	3
PL.1957	PL.1956	A	#2 ACSR	7.38Y	123.0	0.00	2.02	3.38	2	24	7	96	0.00	0.0	6.034	0.070	17	5	2	3
PL.1958	PL.1957	A	#1/0 ACSR	7.38Y	123.0	0.00	2.02	1.02	0	7	2	96	0.00	0.0	6.123	0.089	0	0	0	1
PL.1959	PL.1958	A	#1/0 ACSR	7.38Y	123.0	0.00	2.02	1.02	0	7	2	96	0.00	0.0	6.156	0.033	7	2	1	1
PL.1953	PL.2198	ABC	336 MCM AC	7.38Y	123.0	0.01	2.01	20.89	4	445	125	96	0.01	0.0	5.862	0.032	0	0	0	94
PL.1962	PL.1953	C	#4 ACSR	7.38Y	123.0	0.00	2.01	1.08	1	8	2	97	0.00	0.0	5.887	0.025	8	2	1	1
PL.2570	PL.1953	ABC	336 MCM AC	7.38Y	123.0	0.01	2.01	20.53	4	438	122	96	0.02	0.0	5.915	0.052	0	0	0	93
PL.2571	PL.2570	ABC	336 MCM AC	7.38Y	123.0	0.01	2.02	20.53	4	438	122	96	0.01	0.0	5.949	0.035	6	2	1	93
PL.2202	PL.2571	ABC	336 MCM AC	7.38Y	123.0	0.00	2.02	20.24	4	431	121	96	0.00	0.0	5.960	0.011	13	4	4	92
PL.10163	PL.2202	C	#4 ACSR	7.38Y	123.0	0.00	2.02	0.00	0	0	0	100	0.00	0.0	5.962	0.002	0	0	0	0
PL.2203	PL.2202	ABC	336 MCM AC	7.38Y	123.0	0.01	2.03	19.62	4	418	117	96	0.02	0.0	6.010	0.050	0	0	1	88
PL.2392	PL.2203	ABC	336 MCM AC	7.38Y	123.0	0.01	2.04	19.62	4	418	117	96	0.02	0.0	6.071	0.061	0	0	0	87
PL.2393	PL.2392	ABC	336 MCM AC	7.38Y	123.0	0.00	2.04	19.62	4	418	117	96	0.00	0.0	6.076	0.004	0	0	0	87
PL.2390	PL.2393	C	#4 ACSR	7.38Y	123.0	0.00	2.04	2.17	2	15	4	97	0.00	0.0	6.080	0.005	0	0	0	2
PD.266	PL.2390	C	20T	7.38Y	123.0	0.00	2.04	2.17	0	15	4	97	0.00	0.0	6.080	0.005	0	0	0	2
PL.2391	PD.266	C	#4 ACSR	7.38Y	123.0	0.00	2.04	2.17	2	15	4	97	0.00	0.0	6.122	0.042	15	4	2	2
PL.2530	PL.2393	A	#4 ACSR	7.38Y	123.0	0.00	2.04	3.30	3	23	7	96	0.00	0.0	6.080	0.005	0	0	0	3
PD.336	PL.2530	A	20QA	7.38Y	123.0	0.00	2.04	3.30	16	23	7	96	0.00	0.0	6.080	0.005	0	0	0	3
PL.2531	PD.336	A	#4 ACSR	7.38Y	123.0	0.00	2.04	3.30	3	23	7	96	0.00	0.0	6.095	0.015	8	2	1	3

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Balanced Voltage Drop Report
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Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.2204	PL.2531	A	#2 ACSR	7.38Y	123.0	0.00	2.04	2.23	1	16	4	97	0.00	0.0	6.112	0.016	8	2	1	2
PL.2205	PL.2204	A	#2 ACSR	7.38Y	123.0	0.00	2.04	1.10	1	8	2	97	0.00	0.0	6.146	0.034	8	2	1	1
PL.2083	PL.2393	ABC	336 MCM AC	7.38Y	123.0	0.01	2.04	17.80	3	379	106	96	0.01	0.0	6.117	0.042	8	2	2	82
PL.2532	PL.2083	C	#4 ACSR	7.38Y	123.0	0.00	2.04	2.10	2	15	4	97	0.00	0.0	6.122	0.005	0	0	0	3
PD.337	PL.2532	C	20QA	7.38Y	123.0	0.00	2.04	2.10	11	15	4	97	0.00	0.0	6.122	0.005	0	0	0	3
PL.2533	PD.337	C	#4 ACSR	7.38Y	123.0	0.00	2.05	2.10	2	15	4	97	0.00	0.0	6.157	0.034	15	4	3	3
PL.2084	PL.2083	ABC	336 MCM AC	7.38Y	123.0	0.01	2.05	16.73	3	357	100	96	0.01	0.0	6.158	0.041	5	1	2	77
PL.2082	PL.2084	ABC	336 MCM AC	7.38Y	122.9	0.01	2.05	16.48	3	351	98	96	0.01	0.0	6.208	0.049	10	3	2	73
PL.1965	PL.2082	B	#4 ACSR	7.37Y	122.9	0.04	2.10	19.15	15	136	38	96	0.04	0.0	6.258	0.050	0	0	0	25
PL.2206	PL.1965	B	#4 ACSR	7.37Y	122.9	0.00	2.10	5.57	4	40	11	96	0.00	0.0	6.286	0.028	30	8	5	6
PL.2207	PL.2206	B	#4 ACSR	7.37Y	122.9	0.00	2.10	1.41	1	10	3	96	0.00	0.0	6.307	0.021	10	3	1	1
PL.1966	PL.1965	B	#4 ACSR	7.37Y	122.9	0.02	2.12	13.59	10	96	27	96	0.02	0.0	6.296	0.038	0	0	1	19
PL.2560	PL.1966	B	6 A (CWC)	7.37Y	122.9	0.00	2.12	13.59	10	96	27	96	0.00	0.0	6.299	0.003	0	0	0	18
PD.353	PL.2560	B	35H	7.37Y	122.9	0.00	2.12	13.59	39	96	27	96	0.00	0.0	6.299	0.003	0	0	0	18
PL.2561	PD.353	B	6 A (CWC)	7.37Y	122.8	0.04	2.16	13.59	10	96	27	96	0.03	0.0	6.363	0.064	12	3	2	18
PL.2208	PL.2561	B	6 A (CWC)	7.37Y	122.8	0.03	2.19	11.87	8	84	24	96	0.02	0.0	6.430	0.066	12	3	2	16
PL.2081	PL.2208	B	6 A (CWC)	7.37Y	122.8	0.04	2.23	10.23	7	73	20	96	0.02	0.0	6.516	0.086	2	0	1	14
PL.1967	PL.2081	B	#4 ACSR	7.37Y	122.8	0.00	2.23	0.43	0	3	1	95	0.00	0.0	6.594	0.079	3	1	1	1
PL.2209	PL.2081	B	6 A (CWC)	7.36Y	122.7	0.03	2.26	9.56	7	68	19	96	0.02	0.0	6.595	0.079	10	3	2	12
PL.2210	PL.2209	B	6 A (CWC)	7.36Y	122.7	0.03	2.29	8.14	6	58	16	96	0.01	0.0	6.668	0.073	2	0	1	10
PL.2211	PL.2210	B	6 A (CWC)	7.36Y	122.7	0.02	2.32	7.90	6	56	16	96	0.01	0.0	6.739	0.071	10	3	1	9
PL.1968	PL.2211	B	6 A (CWC)	7.36Y	122.7	0.00	2.32	1.74	1	12	3	97	0.00	0.0	6.777	0.039	12	3	2	2
PL.2078	PL.2211	B	6 A (CWC)	7.36Y	122.6	0.04	2.36	4.78	3	34	9	97	0.01	0.0	6.965	0.227	9	3	1	6
PL.2215	PL.2078	B	6 A (CWC)	7.36Y	122.6	0.03	2.39	3.49	2	25	7	96	0.01	0.0	7.143	0.178	0	0	0	5
PL.2216	PL.2215	B	6 A (CWC)	7.35Y	122.6	0.03	2.42	3.49	2	25	7	96	0.01	0.0	7.340	0.197	0	0	0	5
PL.1969	PL.2216	B	6 A (CWC)	7.35Y	122.6	0.01	2.42	2.47	2	18	5	96	0.00	0.0	7.397	0.057	7	2	1	3
PL.1971	PL.1969	B	#4 ACSR	7.35Y	122.6	0.00	2.42	1.50	1	11	3	96	0.00	0.0	7.420	0.023	11	3	2	2
PL.1970	PL.2216	B	6 A (CWC)	7.35Y	122.6	0.00	2.42	1.01	1	7	2	96	0.00	0.0	7.377	0.036	7	2	2	2
PL.1964	PL.2082	ABC	336 MCM AC	7.38Y	122.9	0.01	2.06	9.63	2	205	57	96	0.01	0.0	6.292	0.084	13	4	2	46
PL.2080	PL.1964	ABC	336 MCM AC	7.38Y	122.9	0.01	2.07	9.01	2	192	54	96	0.01	0.0	6.374	0.082	0	0	0	44
PL.2534	PL.2080	C	#4 ACSR	7.38Y	122.9	0.00	2.07	0.96	1	7	2	96	0.00	0.0	6.379	0.005	0	0	0	1

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Balanced Voltage Drop Report
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Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% 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.338	PL.2534	C	40QA	7.38Y	122.9	0.00	2.07	0.96	2	7	2	96	0.00	0.0	6.379	0.005	0	0	0	1
PL.2535	PD.338	C	#4 ACSR	7.38Y	122.9	0.00	2.07	0.96	1	7	2	96	0.00	0.0	6.384	0.005	7	2	1	1
PL.2077	PL.2080	ABC	336 MCM AC	7.38Y	122.9	0.00	2.07	8.42	2	179	50	96	0.00	0.0	6.431	0.057	0	0	0	41
PL.2076	PL.2077	ABC	336 MCM AC	7.38Y	122.9	0.00	2.07	7.70	1	164	46	96	0.00	0.0	6.477	0.047	2	1	1	39
PL.2075	PL.2076	ABC	336 MCM AC	7.38Y	122.9	0.00	2.08	6.70	1	143	40	96	0.00	0.0	6.568	0.091	12	3	3	32
PL.2470	PL.2075	A	#4 ACSR	7.38Y	122.9	0.00	2.08	3.35	3	24	7	96	0.00	0.0	6.573	0.005	0	0	0	5
PD.306	PL.2470	A	20QA	7.38Y	122.9	0.00	2.08	3.35	17	24	7	96	0.00	0.0	6.573	0.005	0	0	0	5
PL.2471	PD.306	A	#4 ACSR	7.38Y	122.9	0.00	2.08	3.35	3	24	7	96	0.00	0.0	6.597	0.024	24	7	5	5
PL.2212	PL.2075	ABC	336 MCM AC	7.38Y	122.9	0.00	2.08	5.01	1	107	30	96	0.00	0.0	6.626	0.058	0	0	0	24
PL.2213	PL.2212	ABC	336 MCM AC	7.38Y	122.9	0.00	2.08	5.01	1	107	30	96	0.00	0.0	6.676	0.050	14	4	4	24
PL.2548	PL.2213	ABC	336 MCM AC	7.38Y	122.9	0.00	2.08	4.36	1	93	26	96	0.00	0.0	6.703	0.027	0	0	0	20
PD.345-A	PL.2548	ABC	Closed	7.38Y	122.9	0.00	2.08	4.36	0	93	26	96	0.00	0.0	6.703	0.027	0	0	0	20
PD.345-B	PD.345-A	ABC	Closed	7.38Y	122.9	0.00	2.08	4.36	0	93	26	96	0.00	0.0	6.703	0.027	0	0	0	20
PL.4873	PD.345-B	ABC	336 MCM AC	7.37Y	122.9	0.01	2.09	4.36	1	93	26	96	0.00	0.0	7.014	0.310	0	0	0	20
PL.4874	PL.4873	ABC	336 MCM AC	7.37Y	122.9	0.01	2.10	4.36	1	93	26	96	0.01	0.0	7.373	0.359	0	0	0	20
PL.4872	PL.4874	ABC	336 MCM AC	7.37Y	122.9	0.01	2.12	4.36	1	93	26	96	0.01	0.0	7.778	0.404	0	0	0	20
PD.346-A	PL.4872	ABC	Closed	7.37Y	122.9	0.00	2.12	4.36	0	93	26	96	0.00	0.0	7.778	0.404	0	0	0	20
PD.346-B	PD.346-A	ABC	Closed	7.37Y	122.9	0.00	2.12	4.36	0	93	26	96	0.00	0.0	7.778	0.404	0	0	0	20
PL.2551	PD.346-B	ABC	336 MCM AC	7.37Y	122.9	0.00	2.12	4.36	1	93	26	96	0.00	0.0	7.896	0.119	0	0	0	20
PL.1974	PL.2551	C	#2 ACSR	7.37Y	122.9	0.00	2.12	0.68	0	5	1	98	0.00	0.0	7.915	0.019	5	1	1	1
PL.2068	PL.2551	ABC	336 MCM AC	7.37Y	122.9	0.00	2.12	4.13	1	88	25	96	0.00	0.0	7.947	0.050	6	2	2	19
PL.2400	PL.2068	C	#4 ACSR	7.37Y	122.9	0.00	2.12	2.41	2	17	5	96	0.00	0.0	7.951	0.005	0	0	0	2
PD.270	PL.2400	C	20QA	7.37Y	122.9	0.00	2.12	2.41	12	17	5	96	0.00	0.0	7.951	0.005	0	0	0	2
PL.2401	PD.270	C	#4 ACSR	7.37Y	122.9	0.00	2.13	2.41	2	17	5	96	0.00	0.0	8.015	0.064	17	5	2	2
PL.2066	PL.2068	ABC	336 MCM AC	7.37Y	122.9	0.00	2.13	3.05	1	65	18	96	0.00	0.0	8.154	0.208	4	1	1	15
PL.2217	PL.2066	ABC	336 MCM AC	7.37Y	122.9	0.00	2.13	2.85	1	61	17	96	0.00	0.0	8.200	0.046	3	1	1	14
PL.2218	PL.2217	ABC	336 MCM AC	7.37Y	122.9	0.00	2.13	2.73	1	58	16	96	0.00	0.0	8.230	0.031	0	0	0	13
PL.2402	PL.2218	C	#4 ACSR	7.37Y	122.9	0.00	2.13	0.90	1	6	2	95	0.00	0.0	8.235	0.005	0	0	0	4
PD.271	PL.2402	C	20QA	7.37Y	122.9	0.00	2.13	0.90	5	6	2	95	0.00	0.0	8.235	0.005	0	0	0	4
PL.2403	PD.271	C	#4 ACSR	7.37Y	122.9	0.00	2.13	0.90	1	6	2	95	0.00	0.0	8.314	0.079	6	2	4	4
PL.2062	PL.2218	ABC	336 MCM AC	7.37Y	122.9	0.00	2.13	2.43	0	52	14	97	0.00	0.0	8.283	0.052	0	0	0	9

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

Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.2404	PL.2062	A	#4 ACSR	7.37Y	122.9	0.00	2.13	1.75	1	12	3	97	0.00	0.0	8.288	0.005	0	0	0	4
PD.272	PL.2404	A	20QA	7.37Y	122.9	0.00	2.13	1.75	9	12	3	97	0.00	0.0	8.288	0.005	0	0	0	4
PL.2405	PD.272	A	#4 ACSR	7.37Y	122.9	0.00	2.13	1.75	1	12	3	97	0.00	0.0	8.302	0.014	4	1	1	4
PL.2219	PL.2405	A	#4 ACSR	7.37Y	122.9	0.00	2.13	1.21	1	9	2	98	0.00	0.0	8.325	0.023	9	2	3	3
PL.2061	PL.2062	ABC	336 MCM AC	7.37Y	122.9	0.00	2.13	1.85	0	39	11	96	0.00	0.0	8.365	0.082	0	0	0	5
PL.2060	PL.2061	ABC	336 MCM AC	7.37Y	122.9	0.00	2.13	0.41	0	9	2	98	0.00	0.0	8.519	0.155	0	0	0	1
PL.2059	PL.2060	ABC	336 MCM AC	7.37Y	122.9	0.00	2.13	0.00	0	0	0	100	0.00	0.0	9.062	0.543	0	0	0	0
PL.4865	PL.2059	ABC	336 MCM AC	7.37Y	122.9	0.00	2.13	0.00	0	0	0	100	0.00	0.0	9.449	0.387	0	0	0	0
PL.4867	PL.4865	ABC	336 MCM AC	7.37Y	122.9	0.00	2.13	0.00	0	0	0	100	0.00	0.0	9.999	0.551	0	0	0	0
PL.4866	PL.4867	ABC	336 MCM AC	7.37Y	122.9	0.00	2.13	0.00	0	0	0	100	0.00	0.0	10.393	0.394	0	0	0	0
PL.7126	PL.4866	ABC	336 MCM AC	7.37Y	122.9	0.00	2.13	0.00	0	0	0	100	0.00	0.0	10.396	0.003	0	0	0	0
PD.1506-B	PL.7126	ABC	Open	7.37Y	122.9	0.00	2.13	0.00	0	0	0	100	0.00	0.0	10.396	0.003	0	0	0	0
PL.1980	PL.4866	ABC	#2 ACSR	7.37Y	122.9	0.00	2.13	0.00	0	0	0	100	0.00	0.0	10.410	0.017	0	0	0	0
PL.64959	PL.1980	ABC	#2 ACSR	7.37Y	122.9	0.00	2.13	0.00	0	0	0	100	0.00	0.0	10.410	0.000	0	0	0	0
PD.9573-A	PL.64959	ABC	Open	7.37Y	122.9	0.00	2.13	0.00	0	0	0	100	0.00	0.0	10.410	0.000	0	0	0	0
PL.4868	PL.2060	A	#2 ACSR	7.37Y	122.9	0.00	2.13	1.23	1	9	2	98	0.00	0.0	8.523	0.003	0	0	0	1
PD.898	PL.4868	A	20QA	7.37Y	122.9	0.00	2.13	1.23	6	9	2	98	0.00	0.0	8.523	0.003	0	0	0	1
PL.4869	PD.898	A	#2 ACSR	7.37Y	122.9	0.00	2.13	1.23	1	9	2	98	0.00	0.0	8.548	0.025	9	2	1	1
PL.4870	PL.2061	A	#4 ACSR	7.37Y	122.9	0.00	2.13	4.31	3	31	9	96	0.00	0.0	8.368	0.003	0	0	0	4
PD.899	PL.4870	A	20QA	7.37Y	122.9	0.00	2.13	4.31	22	31	9	96	0.00	0.0	8.368	0.003	0	0	0	4
PL.4871	PD.899	A	#4 ACSR	7.37Y	122.9	0.00	2.13	4.31	3	31	9	96	0.00	0.0	8.400	0.032	31	9	4	4
PL.1975	PL.4871	A	#4 ACSR	7.37Y	122.9	0.00	2.13	0.00	0	0	0	100	0.00	0.0	8.407	0.006	0	0	0	0
PL.2472	PL.2066	A	#4 ACSR	7.37Y	122.9	0.00	2.13	0.00	0	0	0	100	0.00	0.0	8.159	0.005	0	0	0	0
PD.307	PL.2472	A	20QA	7.37Y	122.9	0.00	2.13	0.00	0	0	0	100	0.00	0.0	8.159	0.005	0	0	0	0
PL.2473	PD.307	A	#4 ACSR	7.37Y	122.9	0.00	2.13	0.00	0	0	0	100	0.00	0.0	8.213	0.054	0	0	0	0
PL.2398	PL.2076	A	#4 ACSR	7.38Y	122.9	0.00	2.07	2.74	2	19	5	97	0.00	0.0	6.482	0.005	0	0	0	6
PD.269	PL.2398	A	20QA	7.38Y	122.9	0.00	2.07	2.74	14	19	5	97	0.00	0.0	6.482	0.005	0	0	0	6
PL.2399	PD.269	A	#4 ACSR	7.38Y	122.9	0.00	2.08	2.74	2	19	5	97	0.00	0.0	6.538	0.056	19	5	6	6
PL.2540	PL.2077	C	#2 ACSR	7.38Y	122.9	0.00	2.07	2.14	1	15	4	97	0.00	0.0	6.435	0.005	0	0	0	2
PD.340	PL.2540	C	20QA	7.38Y	122.9	0.00	2.07	2.14	11	15	4	97	0.00	0.0	6.435	0.005	0	0	0	2
PL.2541	PD.340	C	#2 ACSR	7.38Y	122.9	0.00	2.07	2.14	1	15	4	97	0.00	0.0	6.461	0.026	5	2	1	2

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

Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.1972	PL.2541	C	#2 ACSR	7.38Y	122.9	0.00	2.07	1.37	1	10	3	96	0.00	0.0	6.477	0.015	10	3	1	1
PL.2396	PL.2077	A	#2 ACSR	7.38Y	122.9	0.00	2.07	0.00	0	0	0	100	0.00	0.0	6.435	0.005	0	0	0	0
PD.268	PL.2396	A	20QA	7.38Y	122.9	0.00	2.07	0.00	0	0	0	100	0.00	0.0	6.435	0.005	0	0	0	0
PL.2397	PD.268	A	#2 ACSR	7.38Y	122.9	0.00	2.07	0.00	0	0	0	100	0.00	0.0	6.454	0.019	0	0	0	0
PL.2538	PL.2080	A	#4 ACSR	7.38Y	122.9	0.00	2.07	0.82	1	6	2	95	0.00	0.0	6.379	0.005	0	0	0	2
PD.339	PL.2538	A	40QA	7.38Y	122.9	0.00	2.07	0.82	2	6	2	95	0.00	0.0	6.379	0.005	0	0	0	2
PL.2539	PD.339	A	#4 ACSR	7.38Y	122.9	0.00	2.07	0.82	1	6	2	95	0.00	0.0	6.394	0.015	6	2	2	2
PL.2394	PL.2084	A	#4 ACSR	7.38Y	123.0	0.00	2.05	0.09	0	1	0	100	0.00	0.0	6.163	0.005	0	0	0	2
PD.267	PL.2394	A	20QA	7.38Y	123.0	0.00	2.05	0.09	0	1	0	100	0.00	0.0	6.163	0.005	0	0	0	2
PL.2395	PD.267	A	#4 ACSR	7.38Y	123.0	0.00	2.05	0.09	0	1	0	100	0.00	0.0	6.198	0.035	1	0	2	2
CP.5	PL.2570	ABC	Cap (300)	7.38Y	123.0	0.00	2.01	0.00	0	0	0	100	0.00	0.0	5.915	0.035	0	0	0	0
PL.1947	PL.2085	B	#2 ACSR	7.38Y	123.0	0.01	1.98	7.85	4	56	16	96	0.00	0.0	5.704	0.026	0	0	0	7
PL.2386	PL.1947	B	#2 ACSR	7.38Y	123.0	0.00	1.98	7.85	4	56	16	96	0.00	0.0	5.709	0.005	0	0	0	7
PD.264	PL.2386	B	15T	7.38Y	123.0	0.00	1.98	7.85	0	56	16	96	0.00	0.0	5.709	0.005	0	0	0	7
PL.2387	PD.264	B	#2 ACSR	7.38Y	123.0	0.01	2.00	7.85	4	56	16	96	0.00	0.0	5.758	0.049	0	0	0	7
PL.1948	PL.2387	B	#2 ACSR	7.38Y	123.0	0.01	2.01	7.85	4	56	16	96	0.00	0.0	5.804	0.047	0	0	0	7
PL.1949	PL.1948	B	#4 ACSR	7.38Y	123.0	0.01	2.02	7.85	6	56	16	96	0.01	0.0	5.847	0.042	12	3	2	7
PL.1950	PL.1949	B	#4 ACSR	7.38Y	123.0	0.01	2.04	6.21	5	44	12	96	0.00	0.0	5.904	0.057	5	1	1	5
PL.1951	PL.1950	B	#4 ACSR	7.38Y	123.0	0.00	2.04	5.55	4	39	11	96	0.00	0.0	5.932	0.028	31	9	3	4
PL.1952	PL.1951	B	#2 ACSR	7.38Y	123.0	0.00	2.04	1.16	1	8	2	97	0.00	0.0	5.973	0.041	8	2	1	1
PL.2528	PL.2087	A	#4 ACSR	7.38Y	123.0	0.00	1.97	11.90	9	85	24	96	0.00	0.0	5.625	0.005	0	0	0	15
PD.335	PL.2528	A	30T	7.38Y	123.0	0.00	1.97	11.90	0	85	24	96	0.00	0.0	5.625	0.005	0	0	0	15
PL.2529	PD.335	A	#4 ACSR	7.38Y	123.0	0.02	1.99	11.90	9	85	24	96	0.01	0.0	5.659	0.034	0	0	0	15
PL.1934	PL.2529	A	#4 ACSR	7.38Y	123.0	0.03	2.02	11.41	9	81	23	96	0.02	0.0	5.726	0.066	0	0	0	12
PL.1937	PL.1934	A	#4 ACSR	7.38Y	123.0	0.00	2.02	0.36	0	3	1	95	0.00	0.0	5.765	0.039	3	1	1	1
PL.1935	PL.1934	A	#4 ACSR	7.38Y	123.0	0.03	2.05	9.78	8	70	19	97	0.01	0.0	5.796	0.071	11	3	1	9
PL.2199	PL.1935	A	#4 ACSR	7.38Y	122.9	0.01	2.06	8.17	6	58	16	96	0.00	0.0	5.827	0.030	14	4	2	8
PL.2200	PL.2199	A	#4 ACSR	7.38Y	122.9	0.01	2.06	6.15	5	44	12	96	0.00	0.0	5.855	0.029	8	2	1	6
PL.2201	PL.2200	A	#4 ACSR	7.38Y	122.9	0.00	2.07	5.03	4	36	10	96	0.00	0.0	5.883	0.028	26	7	3	5
PL.1961	PL.2201	A	#4 ACSR	7.38Y	122.9	0.00	2.07	1.43	1	10	3	96	0.00	0.0	5.931	0.048	0	0	0	2
PL.1963	PL.1961	A	#4 ACSR	7.38Y	122.9	0.00	2.07	0.00	0	0	0	100	0.00	0.0	5.954	0.023	0	0	0	0

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

Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.2195	PL.1961	A	#4 ACSR	7.38Y	122.9	0.00	2.07	1.43	1	10	3	96	0.00	0.0	5.958	0.027	4	1	1	2
PL.2196	PL.2195	A	#4 ACSR	7.38Y	122.9	0.00	2.07	0.86	1	6	2	95	0.00	0.0	5.975	0.016	6	2	1	1
PL.10162	PL.2201	A	#4 ACSR	7.38Y	122.9	0.00	2.07	0.00	0	0	0	100	0.00	0.0	5.931	0.048	0	0	0	0
PL.1936	PL.1934	A	#4 ACSR	7.38Y	123.0	0.00	2.02	1.26	1	9	2	98	0.00	0.0	5.795	0.069	9	2	2	2
PL.2193	PL.2529	A	#4 ACSR	7.38Y	123.0	0.00	1.99	0.50	0	4	1	97	0.00	0.0	5.686	0.026	3	1	1	3
PL.2194	PL.2193	A	#4 ACSR	7.38Y	123.0	0.00	1.99	0.13	0	1	0	100	0.00	0.0	5.716	0.030	1	0	2	2
PL.2384	PL.2087	A	#4 ACSR	7.38Y	123.0	0.00	1.96	0.26	0	2	1	89	0.00	0.0	5.625	0.005	0	0	0	1
PD.263	PL.2384	A	40QA	7.38Y	123.0	0.00	1.96	0.26	1	2	1	89	0.00	0.0	5.625	0.005	0	0	0	1
PL.2385	PD.263	A	#4 ACSR	7.38Y	123.0	0.00	1.97	0.26	0	2	1	89	0.00	0.0	5.658	0.033	0	0	0	1
PL.1929	PL.2385	A	#4 ACSR	7.38Y	123.0	0.00	1.97	0.26	0	2	1	89	0.00	0.0	5.691	0.033	2	1	1	1
PL.2370	PL.2372	C	#4 ACSR	7.39Y	123.1	0.00	1.91	1.57	1	11	3	96	0.00	0.0	5.403	0.005	0	0	0	2
PD.258	PL.2370	C	40QA	7.39Y	123.1	0.00	1.91	1.57	4	11	3	96	0.00	0.0	5.403	0.005	0	0	0	2
PL.2371	PD.258	C	#4 ACSR	7.39Y	123.1	0.00	1.91	1.57	1	11	3	96	0.00	0.0	5.414	0.011	11	3	2	2
PL.2358	PL.2092	C	#4 ACSR	7.39Y	123.1	0.00	1.87	2.67	2	19	5	97	0.00	0.0	5.239	0.005	0	0	0	3
PD.252	PL.2358	C	40QA	7.39Y	123.1	0.00	1.87	2.67	7	19	5	97	0.00	0.0	5.239	0.005	0	0	0	3
PL.2359	PD.252	C	#4 ACSR	7.39Y	123.1	0.00	1.87	2.67	2	19	5	97	0.00	0.0	5.265	0.026	19	5	3	3
PL.2366	PL.2093	A	#4 ACSR	7.39Y	123.1	0.00	1.86	2.15	2	15	4	97	0.00	0.0	5.207	0.005	0	0	0	5
PD.256	PL.2366	A	40QA	7.39Y	123.1	0.00	1.86	2.15	5	15	4	97	0.00	0.0	5.207	0.005	0	0	0	5
PL.2367	PD.256	A	#4 ACSR	7.39Y	123.1	0.00	1.86	2.15	2	15	4	97	0.00	0.0	5.233	0.027	9	2	4	5
PL.1925	PL.2367	A	#2 ACSR	7.39Y	123.1	0.00	1.86	0.93	1	7	2	96	0.00	0.0	5.245	0.012	0	0	0	1
PL.1926	PL.1925	A	#2 ACSR	7.39Y	123.1	0.00	1.86	0.93	1	7	2	96	0.00	0.0	5.258	0.012	0	0	0	1
PL.1927	PL.1926	A	#2 ACSR	7.39Y	123.1	0.00	1.86	0.93	1	7	2	96	0.00	0.0	5.301	0.043	7	2	1	1
PL.1850	PL.2188	ABC	#1/0 ACSR	7.39Y	123.2	0.03	1.84	45.19	20	964	275	96	0.22	0.0	5.067	0.043	43	12	10	215
PL.1851	PL.1850	ABC	#1/0 ACSR	7.39Y	123.1	0.04	1.88	43.17	19	920	262	96	0.23	0.0	5.113	0.046	11	3	3	205
PL.1854	PL.1851	ABC	#1/0 ACSR	7.38Y	123.1	0.04	1.92	42.68	19	910	259	96	0.28	0.0	5.170	0.057	0	0	0	202
PL.1855	PL.1854	ABC	8 A (CWC)	7.38Y	123.1	0.03	1.95	24.14	24	514	148	96	0.12	0.0	5.190	0.020	0	0	0	99
PL.1857	PL.1855	ABC	8 A (CWC)	7.38Y	123.0	0.08	2.03	24.14	24	514	148	96	0.33	0.1	5.245	0.055	6	2	1	99
PL.1861	PL.1857	ABC	8 A (CWC)	7.38Y	122.9	0.05	2.08	23.85	24	507	146	96	0.22	0.0	5.283	0.038	13	4	1	98
PL.2356	PL.1861	C	#2 ACSR	7.37Y	122.9	0.00	2.08	5.52	3	39	11	96	0.00	0.0	5.288	0.004	0	0	0	7
PD.251	PL.2356	C	40QA	7.37Y	122.9	0.00	2.08	5.52	14	39	11	96	0.00	0.0	5.288	0.004	0	0	0	7
PL.2357	PD.251	C	#2 ACSR	7.37Y	122.9	0.00	2.09	5.52	3	39	11	96	0.00	0.0	5.312	0.024	5	1	1	7

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

Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.2186	PL.2357	C	#2 ACSR	7.37Y	122.9	0.01	2.10	4.80	3	34	10	96	0.00	0.0	5.365	0.053	0	0	0	6
PL.4512	PL.2186	C	#4 ACSR	7.37Y	122.9	0.00	2.10	2.17	2	15	4	97	0.00	0.0	5.380	0.015	6	2	1	2
PL.4513	PL.4512	C	#4 ACSR	7.37Y	122.9	0.00	2.10	1.32	1	9	3	95	0.00	0.0	5.403	0.022	9	3	1	1
PL.2090	PL.2186	C	#2 ACSR	7.37Y	122.9	0.00	2.10	2.64	2	19	5	97	0.00	0.0	5.401	0.035	0	0	0	4
PL.1864	PL.2090	C	#4 ACSR	7.37Y	122.9	0.00	2.10	2.64	2	19	5	97	0.00	0.0	5.448	0.047	19	5	4	4
PL.1862	PL.1861	ABC	#2 ACSR	7.37Y	122.9	0.04	2.12	21.40	12	455	132	96	0.13	0.0	5.352	0.069	5	1	2	90
PL.1889	PL.1862	ABC	#2 ACSR	7.37Y	122.8	0.03	2.15	21.17	12	450	130	96	0.11	0.0	5.413	0.061	24	12	1	88
PL.1890	PL.1889	ABC	#2 ACSR	7.37Y	122.8	0.02	2.17	19.99	11	426	119	96	0.07	0.0	5.458	0.045	1	0	2	87
PL.1892	PL.1890	A	#2 ACSR	7.37Y	122.8	0.00	2.17	3.58	2	25	7	96	0.00	0.0	5.463	0.005	0	0	0	5
PD.333	PL.1892	A	40QA	7.37Y	122.8	0.00	2.17	3.58	9	25	7	96	0.00	0.0	5.463	0.005	0	0	0	5
PL.2006	PD.333	A	#2 ACSR	7.37Y	122.8	0.00	2.18	3.58	2	25	7	96	0.00	0.0	5.514	0.051	7	2	3	5
PL.1893	PL.2006	A	#4 ACSR	7.37Y	122.8	0.00	2.18	2.59	2	18	5	96	0.00	0.0	5.563	0.050	8	2	1	2
PL.1894	PL.1893	A	#4 ACSR	7.37Y	122.8	0.00	2.19	1.51	1	11	3	96	0.00	0.0	5.630	0.067	11	3	1	1
PL.2368	PL.1890	C	6 A (CWC)	7.37Y	122.8	0.00	2.18	12.57	9	89	25	96	0.00	0.0	5.463	0.005	0	0	0	16
PD.257	PL.2368	C	40QA	7.37Y	122.8	0.00	2.18	12.57	31	89	25	96	0.00	0.0	5.463	0.005	0	0	0	16
PL.2369	PD.257	C	6 A (CWC)	7.37Y	122.8	0.02	2.20	12.57	9	89	25	96	0.02	0.0	5.506	0.043	5	1	1	16
PL.1895	PL.2369	C	6 A (CWC)	7.37Y	122.8	0.05	2.25	11.91	9	84	24	96	0.03	0.0	5.589	0.083	0	0	0	15
PL.1896	PL.1895	C	#4 ACSR	7.36Y	122.7	0.01	2.26	7.20	6	51	14	96	0.00	0.0	5.623	0.034	7	2	1	9
PL.1902	PL.1896	C	#4 ACSR	7.36Y	122.7	0.01	2.27	6.26	5	44	12	96	0.00	0.0	5.662	0.039	8	2	2	8
PL.1903	PL.1902	C	#2 ACSR	7.36Y	122.7	0.00	2.27	1.14	1	8	2	97	0.00	0.0	5.736	0.074	8	2	2	2
PL.1904	PL.1902	C	#4 ACSR	7.36Y	122.7	0.01	2.27	3.95	3	28	8	96	0.00	0.0	5.704	0.041	8	2	1	4
PL.1905	PL.1904	C	#2 ACSR	7.36Y	122.7	0.00	2.28	2.19	1	16	4	97	0.00	0.0	5.768	0.065	8	2	1	2
PL.1907	PL.1905	C	#2 ACSR	7.36Y	122.7	0.00	2.28	1.02	1	7	2	96	0.00	0.0	5.829	0.061	7	2	1	1
PL.1906	PL.1904	C	#2 ACSR	7.36Y	122.7	0.00	2.27	0.65	0	5	1	98	0.00	0.0	5.810	0.107	5	1	1	1
PL.1897	PL.1895	C	#2 ACSR	7.36Y	122.7	0.00	2.25	4.71	3	33	9	96	0.00	0.0	5.622	0.033	12	3	2	6
PL.1898	PL.1897	C	#2 ACSR	7.36Y	122.7	0.00	2.25	3.04	2	22	6	96	0.00	0.0	5.647	0.025	0	0	1	4
PL.1899	PL.1898	C	#2 ACSR	7.36Y	122.7	0.01	2.26	3.04	2	22	6	96	0.00	0.0	5.742	0.096	0	0	0	3
PL.1901	PL.1899	C	#2 ACSR	7.36Y	122.7	0.00	2.26	1.42	1	10	3	96	0.00	0.0	5.765	0.023	10	3	1	1
PL.1900	PL.1899	C	#2 ACSR	7.36Y	122.7	0.00	2.26	1.62	1	11	3	96	0.00	0.0	5.779	0.037	11	3	2	2
PL.1891	PL.1890	ABC	#2 ACSR	7.37Y	122.8	0.02	2.19	14.57	8	310	87	96	0.05	0.0	5.512	0.054	11	3	2	64
PL.1908	PL.1891	ABC	#2 ACSR	7.37Y	122.8	0.02	2.21	9.17	5	195	55	96	0.03	0.0	5.600	0.088	25	7	5	44

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.2380	PL.1908	A	6 A (CWC)	7.37Y	122.8	0.00	2.21	1.15	1	8	2	97	0.00	0.0	5.605	0.005	0	0	0	2
PD.261	PL.2380	A	10T	7.37Y	122.8	0.00	2.21	1.15	0	8	2	97	0.00	0.0	5.605	0.005	0	0	0	2
PL.2381	PD.261	A	6 A (CWC)	7.37Y	122.8	0.00	2.22	1.15	1	8	2	97	0.00	0.0	5.703	0.098	8	2	2	2
PL.1913	PL.1908	ABC	#2 ACSR	7.37Y	122.8	0.01	2.23	7.63	4	162	45	96	0.02	0.0	5.668	0.068	9	2	4	37
PL.1914	PL.1913	ABC	#2 ACSR	7.37Y	122.8	0.00	2.23	7.21	4	154	43	96	0.01	0.0	5.696	0.028	32	9	6	33
PL.1915	PL.1914	ABC	#2 ACSR	7.37Y	122.8	0.01	2.24	5.71	3	122	34	96	0.01	0.0	5.769	0.072	26	7	5	27
PL.1916	PL.1915	ABC	#2 ACSR	7.37Y	122.8	0.01	2.25	4.47	3	95	27	96	0.00	0.0	5.820	0.051	14	4	2	22
PL.1917	PL.1916	ABC	#2 ACSR	7.37Y	122.8	0.00	2.25	3.84	2	82	23	96	0.00	0.0	5.873	0.053	22	6	5	20
PL.2526	PL.1917	C	#2 ACSR	7.36Y	122.7	0.00	2.25	8.36	5	59	17	96	0.00	0.0	5.878	0.005	0	0	0	15
PD.334	PL.2526	C	40QA	7.36Y	122.7	0.00	2.25	8.36	21	59	17	96	0.00	0.0	5.878	0.005	0	0	0	15
PL.2527	PD.334	C	#2 ACSR	7.36Y	122.7	0.01	2.26	8.36	5	59	17	96	0.00	0.0	5.936	0.058	19	5	4	15
PL.1918	PL.2527	C	#2 ACSR	7.36Y	122.7	0.01	2.27	4.03	2	29	8	96	0.00	0.0	6.013	0.077	13	4	5	9
PL.1922	PL.1918	C	#4 ACSR	7.36Y	122.7	0.00	2.27	0.25	0	2	0	100	0.00	0.0	6.078	0.065	2	0	1	1
PL.1923	PL.1918	C	#1/0 ACSR	7.36Y	122.7	0.00	2.27	1.95	1	14	4	96	0.00	0.0	6.083	0.069	14	4	3	3
PL.1919	PL.2527	C	#2 ACSR	7.36Y	122.7	0.00	2.26	1.62	1	12	3	97	0.00	0.0	5.951	0.015	9	2	1	2
PL.1920	PL.1919	C	#2 ACSR	7.36Y	122.7	0.00	2.26	0.41	0	3	1	95	0.00	0.0	5.982	0.031	0	0	0	1
PL.1921	PL.1920	C	#2 ACSR	7.36Y	122.7	0.00	2.26	0.41	0	3	1	95	0.00	0.0	6.003	0.021	3	1	1	1
PL.2378	PL.1891	C	#4 ACSR	7.37Y	122.8	0.00	2.20	8.10	6	58	16	96	0.00	0.0	5.516	0.005	0	0	0	9
PD.260	PL.2378	C	40QA	7.37Y	122.8	0.00	2.20	8.10	20	58	16	96	0.00	0.0	5.516	0.005	0	0	0	9
PL.2379	PD.260	C	#4 ACSR	7.37Y	122.8	0.01	2.21	8.10	6	58	16	96	0.00	0.0	5.548	0.032	0	0	0	9
PL.1911	PL.2379	C	6 A (CWC)	7.37Y	122.8	0.00	2.21	2.92	2	21	6	96	0.00	0.0	5.603	0.055	21	6	4	4
PL.1910	PL.2379	C	#4 ACSR	7.37Y	122.8	0.00	2.21	5.18	4	37	10	97	0.00	0.0	5.564	0.016	30	8	4	5
PL.1912	PL.1910	C	#4 ACSR	7.37Y	122.8	0.00	2.21	0.93	1	7	2	96	0.00	0.0	5.579	0.015	7	2	1	1
PL.1909	PL.1891	C	#4 ACSR	7.37Y	122.8	0.01	2.20	6.52	5	46	13	96	0.00	0.0	5.554	0.043	46	13	9	9
PL.2274	PL.1861	C	#4 ACSR	7.38Y	122.9	0.00	2.08	0.00	0	0	0	100	0.00	0.0	5.288	0.005	0	0	0	0
PL.1856	PL.1854	ABC	#2 ACSR	7.38Y	123.1	0.01	1.93	18.54	11	395	111	96	0.02	0.0	5.185	0.015	5	2	3	103
PL.1858	PL.1856	ABC	#2 ACSR	7.38Y	123.1	0.01	1.94	18.28	10	390	109	96	0.04	0.0	5.214	0.029	5	1	1	100
PL.1859	PL.1858	ABC	#2 ACSR	7.38Y	123.1	0.01	1.95	18.05	10	385	108	96	0.02	0.0	5.228	0.014	0	0	0	99
PL.1860	PL.1859	ABC	#2 ACSR	7.38Y	123.0	0.05	2.00	18.05	10	385	108	96	0.16	0.0	5.347	0.119	9	3	1	99
PL.1866	PL.1860	ABC	#2 ACSR	7.38Y	123.0	0.01	2.01	17.61	10	376	105	96	0.03	0.0	5.371	0.024	0	0	0	98
PL.1867	PL.1866	ABC	#2 ACSR	7.38Y	123.0	0.00	2.01	17.61	10	376	105	96	0.00	0.0	5.373	0.003	42	12	13	98

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.1868	PL.1867	ABC	#2 ACSR	7.38Y	123.0	0.01	2.02	15.65	9	334	93	96	0.03	0.0	5.403	0.029	0	0	0	85
PL.1869	PL.1868	ABC	#2 ACSR	7.38Y	123.0	0.01	2.03	14.97	9	319	89	96	0.03	0.0	5.432	0.029	9	2	7	79
PL.1871	PL.1869	ABC	#2 ACSR	7.38Y	122.9	0.02	2.06	14.57	8	311	87	96	0.05	0.0	5.498	0.067	29	8	6	72
PL.2558	PL.1871	A	6 A (CWC)	7.38Y	122.9	0.00	2.06	23.63	17	168	47	96	0.00	0.0	5.501	0.003	0	0	0	31
PD.352	PL.2558	A	70L	7.38Y	122.9	0.00	2.06	23.63	34	168	47	96	0.00	0.0	5.501	0.003	0	0	0	31
PL.2559	PD.352	A	6 A (CWC)	7.37Y	122.9	0.09	2.15	23.63	17	168	47	96	0.11	0.1	5.582	0.081	4	1	1	31
PL.1872	PL.2559	A	8 A (CWC)	7.37Y	122.8	0.08	2.23	23.03	23	164	46	96	0.10	0.1	5.637	0.055	18	5	4	30
PL.1989	PL.1872	A	6 A (CWC)	7.36Y	122.7	0.05	2.27	6.13	4	44	12	96	0.02	0.0	5.807	0.170	0	0	0	6
PL.1990	PL.1989	A	6 A (CWC)	7.36Y	122.7	0.04	2.32	6.13	4	44	12	96	0.01	0.0	5.954	0.148	0	0	0	6
PL.1992	PL.1990	A	6 A (CWC)	7.36Y	122.7	0.01	2.33	2.14	2	15	4	97	0.00	0.0	6.073	0.118	0	0	0	2
PL.1998	PL.1992	A	6 A (CWC)	7.36Y	122.7	0.01	2.34	2.14	2	15	4	97	0.00	0.0	6.149	0.077	0	0	0	2
PL.2000	PL.1998	A	6 A (CWC)	7.36Y	122.7	0.01	2.34	2.14	2	15	4	97	0.00	0.0	6.270	0.121	15	4	2	2
PL.2271	PL.2000	A	6 A (CWC)	7.36Y	122.7	0.00	2.34	0.00	0	0	0	100	0.00	0.0	6.275	0.005	0	0	0	0
PL.1993	PL.1990	A	6 A (CWC)	7.36Y	122.7	0.02	2.33	3.99	3	28	8	96	0.00	0.0	6.069	0.115	8	2	1	4
PL.1995	PL.1993	A	6 A (CWC)	7.36Y	122.7	0.00	2.34	2.83	2	20	6	96	0.00	0.0	6.089	0.020	0	0	0	3
PL.2262	PL.1995	A	6 A (CWC)	7.36Y	122.7	0.01	2.34	2.83	2	20	6	96	0.00	0.0	6.184	0.095	20	6	3	3
PL.2263	PL.2262	A	6 A (CWC)	7.36Y	122.7	0.00	2.34	0.00	0	0	0	100	0.00	0.0	6.214	0.030	0	0	0	0
PL.1873	PL.1872	A	8 A (CWC)	7.36Y	122.7	0.03	2.26	14.39	14	102	28	96	0.03	0.0	5.672	0.035	7	2	1	20
PL.1875	PL.1873	A	8 A (CWC)	7.36Y	122.7	0.02	2.28	8.11	8	58	16	96	0.01	0.0	5.713	0.041	6	2	2	11
PL.1586	PL.1875	A	8 A (CWC)	7.36Y	122.7	0.01	2.29	7.31	7	52	14	97	0.00	0.0	5.734	0.020	8	2	2	9
PL.1587	PL.1586	A	8 A (CWC)	7.36Y	122.7	0.01	2.30	6.23	6	44	12	96	0.00	0.0	5.783	0.050	27	8	4	7
PL.1877	PL.1587	A	6 A (CWC)	7.36Y	122.7	0.00	2.31	2.36	2	17	5	96	0.00	0.0	5.839	0.056	12	3	2	3
PL.1878	PL.1877	A	#2 ACSR	7.36Y	122.7	0.00	2.31	0.73	0	5	1	98	0.00	0.0	5.866	0.027	5	1	1	1
PL.1876	PL.1873	A	6 A (CWC)	7.36Y	122.7	0.01	2.27	5.34	4	38	11	96	0.00	0.0	5.723	0.051	38	11	8	8
PL.2552	PL.1871	C	6 A (CWC)	7.38Y	122.9	0.00	2.06	16.03	11	114	32	96	0.00	0.0	5.501	0.003	0	0	0	35
PD.348	PL.2552	C	35H	7.38Y	122.9	0.00	2.06	16.03	46	114	32	96	0.00	0.0	5.501	0.003	0	0	0	35
PL.2553	PD.348	C	6 A (CWC)	7.37Y	122.9	0.03	2.09	16.03	11	114	32	96	0.02	0.0	5.544	0.044	18	5	4	35
PL.1879	PL.2553	C	6 A (CWC)	7.37Y	122.9	0.03	2.11	13.53	10	96	27	96	0.02	0.0	5.586	0.041	3	1	4	31
PL.1880	PL.1879	C	6 A (CWC)	7.37Y	122.9	0.01	2.13	13.12	9	93	26	96	0.01	0.0	5.607	0.022	0	0	0	27
PL.1881	PL.1880	C	6 A (CWC)	7.37Y	122.8	0.03	2.16	13.12	9	93	26	96	0.02	0.0	5.663	0.056	2	1	1	27
PL.1883	PL.1881	C	6 A (CWC)	7.37Y	122.8	0.00	2.16	2.68	2	19	5	97	0.00	0.0	5.694	0.031	0	0	1	13

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.1884	PL.1883	C	6 A (CWC)	7.37Y	122.8	0.00	2.16	0.08	0	1	0	100	0.00	0.0	5.784	0.090	1	0	3	3
PL.1885	PL.1883	C	6 A (CWC)	7.37Y	122.8	0.00	2.17	2.57	2	18	5	96	0.00	0.0	5.713	0.018	0	0	0	9
PL.1886	PL.1885	C	#4 ACSR	7.37Y	122.8	0.00	2.17	2.57	2	18	5	96	0.00	0.0	5.737	0.024	18	5	9	9
PL.1882	PL.1881	C	6 A (CWC)	7.37Y	122.8	0.01	2.17	10.13	7	72	20	96	0.00	0.0	5.685	0.021	33	9	5	13
PL.1887	PL.1882	C	#4 ACSR	7.37Y	122.8	0.01	2.18	5.52	4	39	11	96	0.00	0.0	5.714	0.029	0	0	0	8
PL.1888	PL.1887	C	#4 ACSR	7.37Y	122.8	0.00	2.18	5.52	4	39	11	96	0.00	0.0	5.740	0.026	39	11	8	8
PL.1870	PL.1868	C	8 A (CWC)	7.38Y	123.0	0.00	2.03	2.04	2	14	4	96	0.00	0.0	5.452	0.050	14	4	6	6
PL.2280	PL.2110	C	#4 ACSR	7.40Y	123.4	0.00	1.64	8.16	6	58	16	96	0.00	0.0	4.761	0.005	0	0	0	15
PD.212	PL.2280	C	40QA	7.40Y	123.4	0.00	1.64	8.16	20	58	16	96	0.00	0.0	4.761	0.005	0	0	0	15
PL.2281	PD.212	C	#4 ACSR	7.40Y	123.4	0.01	1.64	8.16	6	58	16	96	0.00	0.0	4.784	0.023	24	7	6	15
PL.1803	PL.2281	C	#4 ACSR	7.40Y	123.3	0.02	1.66	4.82	4	34	10	96	0.01	0.0	4.876	0.092	0	0	0	9
PL.2097	PL.1803	C	#4 ACSR	7.40Y	123.3	0.01	1.67	3.38	3	24	7	96	0.00	0.0	4.925	0.048	0	0	0	8
PL.2098	PL.2097	C	#4 ACSR	7.40Y	123.3	0.01	1.68	3.38	3	24	7	96	0.00	0.0	4.984	0.059	0	0	0	8
PL.1841	PL.2098	C	#4 ACSR	7.40Y	123.3	0.00	1.68	1.41	1	10	3	96	0.00	0.0	5.047	0.063	10	3	1	1
PL.1840	PL.2098	C	#4 ACSR	7.40Y	123.3	0.00	1.68	1.97	2	14	4	96	0.00	0.0	5.026	0.043	0	0	0	7
PL.1842	PL.1840	C	#4 ACSR	7.40Y	123.3	0.00	1.69	1.97	2	14	4	96	0.00	0.0	5.082	0.056	0	0	0	7
PL.1590	PL.1842	C	#2 ACSR	7.40Y	123.3	0.00	1.69	1.97	1	14	4	96	0.00	0.0	5.129	0.047	7	2	1	7
PL.1591	PL.1590	C	#2 ACSR	7.40Y	123.3	0.00	1.69	0.98	1	7	2	96	0.00	0.0	5.209	0.080	0	0	0	6
PL.2026	PL.1591	C	#2 ACSR	7.40Y	123.3	0.00	1.70	0.98	1	7	2	96	0.00	0.0	5.331	0.121	0	0	0	6
PL.2027	PL.2026	C	#2 ACSR	7.40Y	123.3	0.00	1.70	0.98	1	7	2	96	0.00	0.0	5.380	0.049	0	0	0	6
PL.1843	PL.2027	C	#2 ACSR	7.40Y	123.3	0.00	1.70	0.98	1	7	2	96	0.00	0.0	5.418	0.038	0	0	0	6
PL.1844	PL.1843	C	#2 ACSR	7.40Y	123.3	0.00	1.70	0.98	1	7	2	96	0.00	0.0	5.444	0.026	0	0	0	6
PL.1845	PL.1844	C	#4 ACSR	7.40Y	123.3	0.00	1.70	0.30	0	2	1	89	0.00	0.0	5.475	0.030	2	1	5	5
PL.1847	PL.1845	C	#4 ACSR	7.40Y	123.3	0.00	1.70	0.00	0	0	0	100	0.00	0.0	5.503	0.028	0	0	0	0
PL.1846	PL.1844	C	#4 ACSR	7.40Y	123.3	0.00	1.70	0.68	1	5	1	98	0.00	0.0	5.477	0.033	5	1	1	1
PL.1848	PL.1846	C	#4 ACSR	7.40Y	123.3	0.00	1.70	0.00	0	0	0	100	0.00	0.0	5.544	0.067	0	0	0	0
PL.1838	PL.2097	C	#2 ACSR	7.40Y	123.3	0.00	1.67	0.00	0	0	0	100	0.00	0.0	4.947	0.023	0	0	0	0
PL.2284	PL.1803	C	#4 ACSR	7.40Y	123.3	0.00	1.66	1.44	1	10	3	96	0.00	0.0	4.881	0.005	0	0	0	1
PD.215	PL.2284	C	40QA	7.40Y	123.3	0.00	1.66	1.44	4	10	3	96	0.00	0.0	4.881	0.005	0	0	0	1
PL.2285	PD.215	C	#4 ACSR	7.40Y	123.3	0.00	1.66	1.44	1	10	3	96	0.00	0.0	4.897	0.016	0	0	0	1
PL.1839	PL.2285	C	#4 ACSR	7.40Y	123.3	0.00	1.67	1.44	1	10	3	96	0.00	0.0	4.927	0.030	10	3	1	1

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PL.2310	PL.2120	C	#2 ACSR	7.43Y	123.8	0.00	1.22	0.98	1	7	2	96	0.00	0.0	4.169	0.005	0	0	0	1	
PD.228	PL.2310	C	40QA	7.43Y	123.8	0.00	1.22	0.98	2	7	2	96	0.00	0.0	4.169	0.005	0	0	0	1	
PL.2311	PD.228	C	#1/0 ACSR	7.43Y	123.8	0.00	1.22	0.98	0	7	2	96	0.00	0.0	4.206	0.037	7	2	1	1	
PL.2306	PL.2174	C	#4 ACSR	7.44Y	124.0	0.00	0.99	2.88	2	21	6	96	0.00	0.0	3.862	0.005	0	0	0	3	
PD.226	PL.2306	C	40QA	7.44Y	124.0	0.00	0.99	2.88	7	21	6	96	0.00	0.0	3.862	0.005	0	0	0	3	
PL.2307	PD.226	C	#4 ACSR	7.44Y	124.0	0.00	0.99	2.88	2	21	6	96	0.00	0.0	3.875	0.012	21	6	3	3	
PL.2314	PL.2125	A	#2 ACSR	7.45Y	124.1	0.00	0.90	1.80	1	13	4	96	0.00	0.0	3.750	0.005	0	0	0	2	
PD.230	PL.2314	A	40QA	7.45Y	124.1	0.00	0.90	1.80	4	13	4	96	0.00	0.0	3.750	0.005	0	0	0	2	
PL.2315	PD.230	A	#2 ACSR	7.45Y	124.1	0.00	0.90	1.80	1	13	4	96	0.00	0.0	3.775	0.025	13	4	2	2	
PL.1791	PL.2178	ABC	#2 ACSR	7.45Y	124.1	0.00	0.87	0.24	0	5	2	93	0.00	0.0	3.720	0.004	5	2	1	1	
PL.1788	PL.2128	ABC	#1/0 ACSR	7.45Y	124.2	0.02	0.83	27.17	12	585	165	96	0.08	0.0	3.675	0.039	0	0	0	124	
PL.2566	PL.1788	ABC	#1/0 ACSR	7.45Y	124.2	0.00	0.83	27.17	12	585	165	96	0.01	0.0	3.677	0.003	0	0	0	124	
C PD.356	PL.2566	ABC	35H	7.45Y	124.2	0.00	0.83	27.17	78	585	165	96	0.00	0.0	3.677	0.003	0	0	0	124	C
PL.2567	PD.356	ABC	#1/0 ACSR	7.45Y	124.1	0.03	0.86	27.17	12	585	165	96	0.13	0.0	3.741	0.064	0	0	0	124	
PL.1789	PL.2567	ABC	#1/0 ACSR	7.45Y	124.1	0.04	0.90	27.17	12	584	164	96	0.16	0.0	3.824	0.083	0	0	0	124	
PL.2025	PL.1789	ABC	#1/0 ACSR	7.44Y	124.0	0.06	0.96	27.17	12	584	164	96	0.22	0.0	3.937	0.113	6	2	1	124	
PL.1790	PL.2025	ABC	#1/0 ACSR	7.44Y	124.0	0.01	0.97	26.87	12	578	162	96	0.03	0.0	3.951	0.014	0	0	0	123	
PL.2304	PL.1790	C	#2 ACSR	7.44Y	124.0	0.00	0.97	0.28	0	2	1	89	0.00	0.0	3.955	0.004	0	0	0	2	
PD.225	PL.2304	C	40QA	7.44Y	124.0	0.00	0.97	0.28	1	2	1	89	0.00	0.0	3.955	0.004	0	0	0	2	
PL.2305	PD.225	C	#2 ACSR	7.44Y	124.0	0.00	0.97	0.28	0	2	1	89	0.00	0.0	4.046	0.091	2	1	2	2	
PL.2168	PL.1790	ABC	#1/0 ACSR	7.44Y	124.0	0.02	0.98	26.78	12	576	162	96	0.07	0.0	3.989	0.038	0	0	0	121	
PL.2169	PL.2168	ABC	#1/0 ACSR	7.44Y	124.0	0.03	1.02	26.78	12	576	162	96	0.13	0.0	4.058	0.069	0	0	0	121	
PL.2024	PL.2169	ABC	#1/0 ACSR	7.44Y	123.9	0.05	1.07	26.78	12	575	162	96	0.20	0.0	4.162	0.104	0	0	0	121	
PL.2023	PL.2024	ABC	#1/0 ACSR	7.43Y	123.9	0.03	1.10	26.78	12	575	161	96	0.11	0.0	4.221	0.060	0	0	0	121	
PL.66256	PL.2023	ABC	#1/0 ACSR	7.43Y	123.9	0.05	1.14	26.78	12	575	161	96	0.18	0.0	4.317	0.096	0	0	0	121	
PL.66257	PL.66256	ABC	#1/0 ACSR	7.43Y	123.8	0.02	1.17	26.78	12	575	161	96	0.09	0.0	4.365	0.048	0	0	0	121	
PL.2021	PL.66257	ABC	#1/0 ACSR	7.43Y	123.8	0.05	1.22	26.78	12	575	161	96	0.21	0.0	4.473	0.109	0	0	0	121	
PL.2158	PL.2021	ABC	#1/0 ACSR	7.42Y	123.7	0.03	1.25	26.78	12	575	161	96	0.14	0.0	4.546	0.073	15	4	2	121	
PL.2159	PL.2158	ABC	#1/0 ACSR	7.42Y	123.7	0.02	1.28	26.08	11	559	156	96	0.09	0.0	4.597	0.050	10	3	2	119	
PL.2296	PL.2159	C	#2 ACSR	7.42Y	123.7	0.00	1.28	2.09	1	15	4	97	0.00	0.0	4.601	0.004	0	0	0	2	
PD.221	PL.2296	C	40QA	7.42Y	123.7	0.00	1.28	2.09	5	15	4	97	0.00	0.0	4.601	0.004	0	0	0	2	

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Balanced Voltage Drop Report
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Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.2297	PD.221	C	#2 ACSR	7.42Y	123.7	0.00	1.28	2.09	1	15	4	97	0.00	0.0	4.603	0.002	15	4	2	2
PL.2136	PL.2159	ABC	#1/0 ACSR	7.42Y	123.7	0.03	1.31	24.93	11	535	149	96	0.11	0.0	4.667	0.070	22	6	7	115
PL.2524	PL.2136	A	8 A (CWC)	7.42Y	123.7	0.01	1.31	20.45	20	146	41	96	0.01	0.0	4.671	0.005	0	0	0	30
PD.332	PL.2524	A	15T	7.42Y	123.7	0.00	1.31	20.45	0	146	41	96	0.00	0.0	4.671	0.005	0	0	0	30
PL.2525	PD.332	A	8 A (CWC)	7.42Y	123.6	0.10	1.41	20.45	20	146	41	96	0.11	0.1	4.744	0.073	0	0	0	30
PL.1807	PL.2525	A	8 A (CWC)	7.41Y	123.4	0.17	1.58	20.45	20	146	41	96	0.19	0.1	4.868	0.123	0	0	0	30
PL.2134	PL.1807	A	8 A (CWC)	7.40Y	123.3	0.10	1.68	20.45	20	146	41	96	0.11	0.1	4.945	0.077	10	3	2	30
PL.1808	PL.2134	A	#4 ACSR	7.40Y	123.3	0.00	1.68	1.71	1	12	3	97	0.00	0.0	4.963	0.018	12	3	1	1
PL.2160	PL.2134	A	8 A (CWC)	7.39Y	123.2	0.07	1.75	17.34	17	124	35	96	0.07	0.1	5.007	0.062	10	3	2	27
PL.2161	PL.2160	A	8 A (CWC)	7.39Y	123.2	0.04	1.80	15.90	16	113	32	96	0.04	0.0	5.049	0.042	0	0	0	25
PL.2162	PL.2161	A	8 A (CWC)	7.39Y	123.2	0.02	1.82	15.90	16	113	32	96	0.02	0.0	5.071	0.022	3	1	1	25
PL.2163	PL.2162	A	8 A (CWC)	7.38Y	123.1	0.10	1.92	15.53	16	111	31	96	0.08	0.1	5.169	0.098	11	3	3	24
PL.1809	PL.2163	A	8 A (CWC)	7.38Y	123.1	0.03	1.95	9.63	10	69	19	96	0.02	0.0	5.218	0.049	6	2	1	12
PL.2166	PL.1809	A	#4 ACSR	7.38Y	123.0	0.00	1.95	3.37	3	24	7	96	0.00	0.0	5.249	0.030	11	3	1	2
PL.2167	PL.2166	A	#4 ACSR	7.38Y	123.0	0.00	1.95	1.87	1	13	4	96	0.00	0.0	5.273	0.025	13	4	1	1
PL.1811	PL.1809	A	8 A (CWC)	7.38Y	123.0	0.01	1.96	2.13	2	15	4	97	0.00	0.0	5.287	0.069	4	1	1	4
PL.1813	PL.1811	A	#2 ACSR	7.38Y	123.0	0.00	1.96	1.62	1	12	3	97	0.00	0.0	5.338	0.051	12	3	3	3
PL.65779	PL.1811	A	#1/0 ACSR	7.38Y	123.0	0.00	1.96	0.00	0	0	0	100	0.00	0.0	5.358	0.071	0	0	0	0
PL.1812	PL.1809	A	#4 ACSR	7.38Y	123.0	0.00	1.95	3.26	3	23	6	97	0.00	0.0	5.248	0.030	0	0	0	5
PL.1836	PL.1812	A	8 A (CWC)	7.38Y	123.0	0.03	1.98	3.26	3	23	6	97	0.01	0.0	5.398	0.150	0	0	0	5
PL.1814	PL.1836	A	8 A (CWC)	7.38Y	123.0	0.02	2.01	3.26	3	23	6	97	0.00	0.0	5.499	0.101	0	0	0	5
PL.1815	PL.1814	A	8 A (CWC)	7.38Y	123.0	0.00	2.01	1.84	2	13	4	96	0.00	0.0	5.538	0.039	0	0	0	3
PL.1818	PL.1815	A	#4 ACSR	7.38Y	123.0	0.00	2.01	0.92	1	7	2	96	0.00	0.0	5.559	0.021	7	2	1	1
PL.1817	PL.1815	A	#4 ACSR	7.38Y	123.0	0.00	2.01	0.92	1	7	2	96	0.00	0.0	5.587	0.049	6	2	1	2
PL.1819	PL.1817	A	#4 ACSR	7.38Y	123.0	0.00	2.01	0.00	0	0	0	100	0.00	0.0	5.623	0.036	0	0	0	1
PL.1820	PL.1819	A	#4 ACSR	7.38Y	123.0	0.00	2.01	0.00	0	0	0	100	0.00	0.0	5.675	0.052	0	0	1	1
PL.1816	PL.1814	A	#4 ACSR	7.38Y	123.0	0.00	2.01	1.42	1	10	3	96	0.00	0.0	5.535	0.036	10	3	2	2
PL.2135	PL.2163	A	#4 ACSR	7.38Y	123.1	0.00	1.92	4.41	3	31	9	96	0.00	0.0	5.189	0.020	19	5	4	9
PL.1810	PL.2135	A	#1/0 ACSR	7.38Y	123.1	0.00	1.92	1.41	1	10	3	96	0.00	0.0	5.231	0.042	10	3	1	1
PL.2164	PL.2135	A	#4 ACSR	7.38Y	123.1	0.00	1.92	0.39	0	3	1	95	0.00	0.0	5.235	0.045	1	0	3	4
PL.2165	PL.2164	A	#4 ACSR	7.38Y	123.1	0.00	1.92	0.20	0	1	0	100	0.00	0.0	5.285	0.051	1	0	1	1

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Balanced Voltage Drop Report
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Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.1806	PL.2136	ABC	#1/0 ACSR	7.42Y	123.7	0.02	1.33	15.73	7	337	94	96	0.05	0.0	4.740	0.073	12	3	3	73
PL.2300	PL.1806	B	8 A (CWC)	7.41Y	123.6	0.12	1.45	37.55	38	268	75	96	0.25	0.1	4.786	0.047	0	0	0	56
PD.223	PL.2300	B	25T	7.41Y	123.6	0.00	1.45	37.55	0	268	75	96	0.00	0.0	4.786	0.047	0	0	0	56
PL.2301	PD.223	B	8 A (CWC)	7.41Y	123.5	0.08	1.53	37.55	38	268	75	96	0.17	0.1	4.821	0.034	25	7	4	56
PL.2150	PL.2301	B	8 A (CWC)	7.40Y	123.3	0.17	1.70	34.07	34	243	68	96	0.33	0.1	4.900	0.079	16	5	7	52
PL.2137	PL.2150	B	8 A (CWC)	7.40Y	123.3	0.01	1.71	8.22	8	59	16	97	0.00	0.0	4.919	0.019	0	0	1	11
PL.1826	PL.2137	B	8 A (CWC)	7.40Y	123.3	0.02	1.73	8.22	8	59	16	97	0.01	0.0	4.968	0.049	21	6	3	10
PL.2143	PL.1826	B	8 A (CWC)	7.39Y	123.2	0.02	1.76	5.32	5	38	11	96	0.01	0.0	5.054	0.086	20	5	3	7
PL.2144	PL.2143	B	8 A (CWC)	7.39Y	123.2	0.01	1.76	2.57	3	18	5	96	0.00	0.0	5.090	0.036	0	0	0	4
PL.1592	PL.2144	B	8 A (CWC)	7.39Y	123.2	0.01	1.77	2.57	3	18	5	96	0.00	0.0	5.133	0.044	7	2	2	4
PL.1834	PL.1592	B	6 A (CWC)	7.39Y	123.2	0.00	1.77	1.58	1	11	3	96	0.00	0.0	5.151	0.017	0	0	0	2
PL.1835	PL.1834	B	6 A (CWC)	7.39Y	123.2	0.00	1.77	1.58	1	11	3	96	0.00	0.0	5.192	0.041	11	3	2	2
PL.1825	PL.2150	B	8 A (CWC)	7.39Y	123.2	0.06	1.76	23.56	24	168	47	96	0.08	0.0	4.940	0.040	14	4	2	34
PL.2148	PL.1825	B	8 A (CWC)	7.39Y	123.2	0.05	1.81	21.59	22	154	43	96	0.05	0.0	4.975	0.036	31	9	7	32
PL.2149	PL.2148	B	8 A (CWC)	7.39Y	123.1	0.05	1.86	17.18	17	122	34	96	0.05	0.0	5.021	0.046	8	2	1	25
PL.2145	PL.2149	B	8 A (CWC)	7.39Y	123.1	0.04	1.90	16.04	16	114	32	96	0.03	0.0	5.058	0.036	14	4	2	24
PL.1827	PL.2145	B	8 A (CWC)	7.38Y	123.1	0.03	1.93	5.68	6	40	11	96	0.01	0.0	5.160	0.102	17	5	4	11
PL.1830	PL.1827	B	#1/0 ACSR	7.38Y	123.1	0.00	1.93	2.90	1	21	6	96	0.00	0.0	5.211	0.051	9	3	2	6
PL.1832	PL.1830	B	#1/0 ACSR	7.38Y	123.1	0.00	1.93	1.61	1	11	3	96	0.00	0.0	5.250	0.040	6	2	1	3
PL.1833	PL.1832	B	8 A (CWC)	7.38Y	123.1	0.00	1.93	0.70	1	5	1	98	0.00	0.0	5.296	0.046	5	1	2	2
PL.21313	PL.1830	B	#1/0 ACSR	7.38Y	123.1	0.00	1.93	0.01	0	0	0	100	0.00	0.0	5.232	0.022	0	0	0	1
PL.21314	PL.21313	B	#1/0 ACSR	7.38Y	123.1	0.00	1.93	0.01	0	0	0	100	0.00	0.0	5.302	0.070	0	0	1	1
PL.1831	PL.1827	B	#4 ACSR	7.38Y	123.1	0.00	1.93	0.45	0	3	1	95	0.00	0.0	5.230	0.071	3	1	1	1
PL.1829	PL.2145	B	#4 ACSR	7.39Y	123.1	0.00	1.90	5.06	4	36	10	96	0.00	0.0	5.084	0.027	36	10	6	6
PL.2146	PL.2145	B	#2 ACSR	7.39Y	123.1	0.00	1.90	2.90	2	21	6	96	0.00	0.0	5.088	0.030	18	5	3	4
PL.2147	PL.2146	B	#2 ACSR	7.39Y	123.1	0.00	1.90	0.31	0	2	1	89	0.00	0.0	5.117	0.029	2	1	1	1
PL.1828	PL.2145	B	#2 ACSR	7.39Y	123.1	0.00	1.90	0.48	0	3	1	95	0.00	0.0	5.074	0.016	3	1	1	1
PL.28010	PL.2145	B	#1/0 ACSR	7.39Y	123.1	0.00	1.90	0.00	0	0	0	100	0.00	0.0	5.087	0.029	0	0	0	0
PL.2151	PL.1806	A	#1/0 ACSR	7.42Y	123.7	0.00	1.33	1.46	1	10	3	96	0.00	0.0	4.763	0.024	4	1	3	4
PL.2152	PL.2151	A	#1/0 ACSR	7.42Y	123.7	0.00	1.33	0.95	0	7	2	96	0.00	0.0	4.799	0.036	7	2	1	1
PL.2298	PL.1806	C	8 A (CWC)	7.42Y	123.7	0.00	1.33	6.45	6	46	13	96	0.00	0.0	4.744	0.005	0	0	0	10

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

Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% 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.222	PL.2298	C	40QA	7.42Y	123.7	0.00	1.33	6.45	16	46	13	96	0.00	0.0	4.744	0.005	0	0	0	10
PL.2299	PD.222	C	8 A (CWC)	7.42Y	123.7	0.02	1.35	6.45	6	46	13	96	0.01	0.0	4.796	0.052	23	6	3	10
PL.1821	PL.2299	C	8 A (CWC)	7.42Y	123.6	0.02	1.36	3.26	3	23	6	97	0.00	0.0	4.878	0.082	5	1	1	7
PL.1822	PL.1821	C	8 A (CWC)	7.42Y	123.6	0.01	1.37	2.61	3	19	5	97	0.00	0.0	4.924	0.046	3	1	1	6
PL.1823	PL.1822	C	8 A (CWC)	7.42Y	123.6	0.01	1.38	2.18	2	16	4	97	0.00	0.0	5.023	0.100	8	2	2	5
PL.2153	PL.1823	C	8 A (CWC)	7.42Y	123.6	0.00	1.38	0.63	1	4	1	97	0.00	0.0	5.067	0.043	2	1	1	2
PL.2154	PL.2153	C	8 A (CWC)	7.42Y	123.6	0.00	1.38	0.37	0	3	1	95	0.00	0.0	5.118	0.051	0	0	0	1
PL.1837	PL.2154	C	6 A (CWC)	7.42Y	123.6	0.00	1.38	0.37	0	3	1	95	0.00	0.0	5.169	0.051	3	1	1	1
PL.1824	PL.1823	C	8 A (CWC)	7.42Y	123.6	0.00	1.38	0.47	0	3	1	95	0.00	0.0	5.071	0.048	3	1	1	1
PL.2302	PL.2136	A	#4 ACSR	7.42Y	123.7	0.00	1.31	4.01	3	29	8	96	0.00	0.0	4.671	0.005	0	0	0	5
PD.224	PL.2302	A	40QA	7.42Y	123.7	0.00	1.31	4.01	10	29	8	96	0.00	0.0	4.671	0.005	0	0	0	5
PL.2303	PD.224	A	#4 ACSR	7.42Y	123.7	0.01	1.31	4.01	3	29	8	96	0.00	0.0	4.705	0.034	0	0	0	5
PL.2155	PL.2303	A	#4 ACSR	7.42Y	123.7	0.01	1.32	4.01	3	29	8	96	0.00	0.0	4.757	0.052	17	5	2	5
PL.2156	PL.2155	A	#4 ACSR	7.42Y	123.7	0.00	1.32	1.68	1	12	3	97	0.00	0.0	4.814	0.057	3	1	2	3
PL.2157	PL.2156	A	#4 ACSR	7.42Y	123.7	0.00	1.33	1.22	1	9	2	98	0.00	0.0	4.833	0.018	9	2	1	1
PL.1776	PL.2182	C	#2 ACSR	7.14Y	119.0	0.01	6.04	10.40	6	72	20	96	0.01	0.0	3.464	0.049	30	8	5	16
PL.2522	PL.1776	C	8 A (CWC)	7.14Y	119.0	0.00	6.04	6.07	6	42	12	96	0.00	0.0	3.469	0.005	0	0	0	11
PD.331	PL.2522	C	40QA	7.14Y	119.0	0.00	6.04	6.07	15	42	12	96	0.00	0.0	3.469	0.005	0	0	0	11
PL.2523	PD.331	C	8 A (CWC)	7.14Y	118.9	0.02	6.07	6.07	6	42	12	96	0.01	0.0	3.533	0.064	12	3	2	11
PL.1777	PL.2523	C	8 A (CWC)	7.13Y	118.9	0.03	6.10	4.33	4	30	8	97	0.01	0.0	3.640	0.107	0	0	0	9
PL.2183	PL.1777	C	8 A (CWC)	7.13Y	118.9	0.02	6.12	4.33	4	30	8	97	0.00	0.0	3.710	0.070	4	1	2	9
PL.2184	PL.2183	C	8 A (CWC)	7.13Y	118.9	0.02	6.14	3.68	4	25	7	96	0.00	0.0	3.811	0.100	4	1	1	7
PL.1779	PL.2184	C	8 A (CWC)	7.13Y	118.8	0.02	6.16	3.14	3	22	6	96	0.00	0.0	3.911	0.100	0	0	0	6
PL.1781	PL.1779	C	6 A (CWC)	7.13Y	118.8	0.01	6.17	3.14	2	22	6	96	0.00	0.0	3.990	0.080	0	0	0	6
PL.1783	PL.1781	C	6 A (CWC)	7.13Y	118.8	0.01	6.18	3.14	2	22	6	96	0.00	0.0	4.069	0.079	0	0	1	6
PL.1784	PL.1783	C	8 A (CWC)	7.13Y	118.8	0.00	6.18	0.40	0	3	1	95	0.00	0.0	4.124	0.055	2	0	1	2
PL.1787	PL.1784	C	#2 ACSR	7.13Y	118.8	0.00	6.18	0.15	0	1	0	100	0.00	0.0	4.156	0.032	0	0	0	1
PL.1981	PL.1787	C	#2 ACSR	7.13Y	118.8	0.00	6.18	0.15	0	1	0	100	0.00	0.0	4.250	0.094	1	0	1	1
PL.1785	PL.1783	C	#4 ACSR	7.13Y	118.8	0.00	6.18	2.69	2	19	5	97	0.00	0.0	4.104	0.035	11	3	2	3
PL.1786	PL.1785	C	#4 ACSR	7.13Y	118.8	0.00	6.19	1.14	1	8	2	97	0.00	0.0	4.145	0.041	8	2	1	1
PL.1602	PL.2132	ABC	336 MCM AC	7.15Y	119.1	0.05	5.90	69.64	13	1434	417	96	0.40	0.0	3.346	0.098	0	0	0	375

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.4468	PL.1602	ABC	336 MCM AC	7.15Y	119.1	0.00	5.90	69.64	13	1434	416	96	0.01	0.0	3.350	0.003	0	0	0	375
PD.901	PL.4468	ABC	100L	7.15Y	119.1	0.00	5.90	69.64	70	1434	416	96	0.00	0.0	3.350	0.003	0	0	0	375
PL.4469	PD.901	ABC	336 MCM AC	7.15Y	119.1	0.01	5.92	69.64	13	1434	416	96	0.10	0.0	3.376	0.026	0	0	0	375
PL.2127	PL.4469	ABC	336 MCM AC	7.14Y	119.1	0.03	5.94	69.48	13	1430	415	96	0.22	0.0	3.429	0.053	0	0	0	374
PL.2126	PL.2127	ABC	336 MCM AC	7.14Y	119.0	0.08	6.02	68.89	13	1418	411	96	0.61	0.0	3.582	0.154	0	0	0	372
PL.2124	PL.2126	ABC	336 MCM AC	7.13Y	118.9	0.08	6.10	68.05	13	1400	404	96	0.59	0.0	3.734	0.152	0	0	0	369
PL.2123	PL.2124	ABC	336 MCM AC	7.13Y	118.9	0.01	6.11	67.96	13	1398	402	96	0.11	0.0	3.762	0.027	0	0	0	368
PL.2121	PL.2123	ABC	336 MCM AC	7.13Y	118.8	0.07	6.19	67.36	13	1385	399	96	0.56	0.0	3.908	0.146	0	0	0	365
PL.2013	PL.2121	ABC	336 MCM AC	7.13Y	118.8	0.06	6.25	67.36	13	1385	397	96	0.44	0.0	4.024	0.116	0	0	0	365
PL.2352	PL.2013	C	#4 ACSR	7.13Y	118.8	0.00	6.25	1.14	1	8	2	97	0.00	0.0	4.028	0.005	0	0	0	5
PD.249	PL.2352	C	40QA	7.13Y	118.8	0.00	6.25	1.14	3	8	2	97	0.00	0.0	4.028	0.005	0	0	0	5
PL.2353	PD.249	C	#4 ACSR	7.13Y	118.8	0.00	6.25	1.14	1	8	2	97	0.00	0.0	4.048	0.020	8	2	5	5
PL.2116	PL.2013	ABC	336 MCM AC	7.12Y	118.7	0.02	6.27	66.98	13	1376	394	96	0.14	0.0	4.061	0.038	0	0	0	360
PL.2354	PL.2116	A	#2 ACSR	7.12Y	118.7	0.00	6.27	5.60	3	38	11	96	0.00	0.0	4.066	0.005	0	0	0	6
PD.250	PL.2354	A	40QA	7.12Y	118.7	0.00	6.27	5.60	14	38	11	96	0.00	0.0	4.066	0.005	0	0	0	6
PL.2355	PD.250	A	#2 ACSR	7.12Y	118.7	0.00	6.27	5.60	3	38	11	96	0.00	0.0	4.085	0.019	5	1	2	6
PL.1607	PL.2355	A	8 A (CWC)	7.12Y	118.7	0.01	6.28	4.82	5	33	9	96	0.00	0.0	4.137	0.052	19	5	2	4
PL.1609	PL.1607	A	#4 ACSR	7.12Y	118.7	0.00	6.28	2.00	2	14	4	96	0.00	0.0	4.196	0.059	14	4	2	2
PL.2258	PL.2116	ABC	336 MCM AC	7.12Y	118.7	0.03	6.29	65.12	13	1338	383	96	0.18	0.0	4.112	0.051	0	0	0	354
PL.2259	PL.2258	ABC	336 MCM AC	7.12Y	118.7	0.05	6.34	65.12	13	1338	383	96	0.34	0.0	4.207	0.095	6	2	1	354
PL.2256	PL.2259	ABC	336 MCM AC	7.12Y	118.6	0.02	6.36	50.84	10	1044	300	96	0.12	0.0	4.262	0.055	2	0	1	290
PL.2257	PL.2256	ABC	336 MCM AC	7.12Y	118.6	0.02	6.38	50.77	10	1042	299	96	0.11	0.0	4.311	0.049	9	2	1	289
PL.2117	PL.2257	ABC	336 MCM AC	7.11Y	118.6	0.07	6.45	50.27	10	1032	296	96	0.38	0.0	4.492	0.180	6	2	1	287
PL.2114	PL.2117	ABC	336 MCM AC	7.11Y	118.5	0.02	6.46	49.65	10	1019	292	96	0.11	0.0	4.544	0.052	0	0	0	283
PL.2111	PL.2114	ABC	336 MCM AC	7.11Y	118.5	0.04	6.51	49.34	10	1012	290	96	0.23	0.0	4.654	0.110	0	0	0	280
PL.2498	PL.2111	C	#2 ACSR	7.11Y	118.5	0.00	6.51	0.97	1	7	2	96	0.00	0.0	4.659	0.005	0	0	0	3
PD.320	PL.2498	C	40QA	7.11Y	118.5	0.00	6.51	0.97	2	7	2	96	0.00	0.0	4.659	0.005	0	0	0	3
PL.2499	PD.320	C	#2 ACSR	7.11Y	118.5	0.00	6.51	0.97	1	7	2	96	0.00	0.0	4.678	0.020	0	0	0	3
PL.2108	PL.2499	C	#2 ACSR	7.11Y	118.5	0.00	6.51	0.15	0	1	0	100	0.00	0.0	4.704	0.026	1	0	1	1
PL.1651	PL.2499	C	#2 ACSR	7.11Y	118.5	0.00	6.51	0.82	0	6	2	95	0.00	0.0	4.705	0.027	6	2	2	2
PL.2456	PL.2111	A	#2 ACSR	7.11Y	118.5	0.00	6.51	0.64	0	4	1	97	0.00	0.0	4.659	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: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% 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.298	PL.2456	A	40QA	7.11Y	118.5	0.00	6.51	0.64	2	4	1	97	0.00	0.0	4.659	0.005	0	0	0	1
PL.2457	PD.298	A	#2 ACSR	7.11Y	118.5	0.00	6.51	0.64	0	4	1	97	0.00	0.0	4.678	0.020	4	1	1	1
PL.2105	PL.2111	ABC	336 MCM AC	7.11Y	118.4	0.07	6.57	48.80	9	1001	286	96	0.36	0.0	4.835	0.181	0	0	0	276
PL.2254	PL.2105	ABC	336 MCM AC	7.10Y	118.4	0.04	6.61	48.45	9	993	283	96	0.22	0.0	4.948	0.113	0	0	0	269
PL.2255	PL.2254	ABC	336 MCM AC	7.10Y	118.4	0.02	6.63	48.45	9	993	283	96	0.11	0.0	5.005	0.057	0	0	0	269
PL.2106	PL.2255	ABC	336 MCM AC	7.10Y	118.3	0.03	6.66	47.96	9	983	279	96	0.16	0.0	5.089	0.085	1	0	1	266
PL.2466	PL.2106	A	#4 ACSR	7.10Y	118.3	0.00	6.66	1.12	1	8	2	97	0.00	0.0	5.094	0.005	0	0	0	3
PD.304	PL.2466	A	40QA	7.10Y	118.3	0.00	6.66	1.12	3	8	2	97	0.00	0.0	5.094	0.005	0	0	0	3
PL.2467	PD.304	A	#4 ACSR	7.10Y	118.3	0.00	6.66	1.12	1	8	2	97	0.00	0.0	5.117	0.023	8	2	3	3
PL.2107	PL.2106	ABC	336 MCM AC	7.10Y	118.3	0.04	6.70	47.54	9	974	277	96	0.19	0.0	5.189	0.099	0	0	0	262
PL.2104	PL.2107	ABC	336 MCM AC	7.10Y	118.3	0.02	6.72	37.99	7	778	221	96	0.07	0.0	5.250	0.061	0	0	0	205
PL.2414	PL.2104	A	#4 ACSR	7.10Y	118.3	0.00	6.72	2.89	2	20	6	96	0.00	0.0	5.255	0.005	0	0	0	2
PD.277	PL.2414	A	40QA	7.10Y	118.3	0.00	6.72	2.89	7	20	6	96	0.00	0.0	5.255	0.005	0	0	0	2
PL.2415	PD.277	A	#4 ACSR	7.10Y	118.3	0.00	6.72	2.89	2	20	6	96	0.00	0.0	5.268	0.013	20	6	2	2
PL.2103	PL.2104	ABC	336 MCM AC	7.10Y	118.3	0.02	6.73	35.88	7	735	209	96	0.07	0.0	5.314	0.064	0	0	0	200
PL.2502	PL.2103	C	#4 ACSR	7.10Y	118.3	0.00	6.73	1.16	1	8	2	97	0.00	0.0	5.318	0.005	0	0	0	2
PD.322	PL.2502	C	40QA	7.10Y	118.3	0.00	6.73	1.16	3	8	2	97	0.00	0.0	5.318	0.005	0	0	0	2
PL.2503	PD.322	C	#4 ACSR	7.10Y	118.3	0.00	6.73	1.16	1	8	2	97	0.00	0.0	5.338	0.020	8	2	2	2
PL.2102	PL.2103	ABC	336 MCM AC	7.10Y	118.3	0.01	6.75	35.04	7	717	204	96	0.06	0.0	5.369	0.056	2	0	1	196
PL.2504	PL.2102	C	#4 ACSR	7.10Y	118.3	0.00	6.75	0.66	1	4	1	97	0.00	0.0	5.374	0.004	0	0	0	1
PD.323	PL.2504	C	40QA	7.10Y	118.3	0.00	6.75	0.66	2	4	1	97	0.00	0.0	5.374	0.004	0	0	0	1
PL.2505	PD.323	C	#4 ACSR	7.10Y	118.3	0.00	6.75	0.66	1	4	1	97	0.00	0.0	5.377	0.004	4	1	1	1
PL.2267	PL.2102	ABC	336 MCM AC	7.09Y	118.2	0.02	6.76	34.74	7	711	202	96	0.06	0.0	5.433	0.064	26	10	6	194
PL.2268	PL.2267	ABC	336 MCM AC	7.09Y	118.2	0.01	6.77	33.43	6	685	193	96	0.03	0.0	5.467	0.033	11	3	3	188
PL.2225	PL.2268	ABC	336 MCM AC	7.09Y	118.2	0.01	6.78	32.91	6	674	190	96	0.02	0.0	5.491	0.024	3	1	2	185
PL.2226	PL.2225	ABC	336 MCM AC	7.09Y	118.2	0.02	6.80	32.76	6	671	189	96	0.07	0.0	5.573	0.083	6	2	3	183
PL.2420	PL.2226	C	#4 ACSR	7.09Y	118.2	0.00	6.80	14.61	11	100	28	96	0.00	0.0	5.578	0.004	0	0	0	24
PD.280	PL.2420	C	40QA	7.09Y	118.2	0.00	6.80	14.61	37	100	28	96	0.00	0.0	5.578	0.004	0	0	0	24
PL.2421	PD.280	C	#4 ACSR	7.09Y	118.2	0.04	6.84	14.61	11	100	28	96	0.03	0.0	5.641	0.064	11	3	2	24
PL.1688	PL.2421	C	8 A (CWC)	7.09Y	118.1	0.05	6.89	13.00	13	89	25	96	0.03	0.0	5.704	0.062	27	7	9	22
PL.1689	PL.1688	C	8 A (CWC)	7.09Y	118.1	0.03	6.91	9.11	9	62	17	96	0.01	0.0	5.754	0.050	15	4	3	13

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.1690	PL.1689	C	8 A (CWC)	7.08Y	118.1	0.02	6.94	5.98	6	41	11	97	0.01	0.0	5.842	0.088	24	7	5	9
PL.1692	PL.1690	C	8 A (CWC)	7.08Y	118.1	0.01	6.95	2.31	2	16	4	97	0.00	0.0	5.923	0.080	4	1	1	3
PL.1693	PL.1692	C	#2 ACSR	7.08Y	118.1	0.00	6.95	0.87	0	6	2	95	0.00	0.0	5.997	0.075	6	2	1	1
PL.1694	PL.1692	C	#4 ACSR	7.08Y	118.1	0.00	6.95	0.87	1	6	2	95	0.00	0.0	5.928	0.006	6	2	1	1
PL.65819	PL.1690	C	#1/0 ACSR	7.08Y	118.1	0.00	6.94	0.12	0	1	0	100	0.00	0.0	5.861	0.019	1	0	1	1
PL.1691	PL.1689	C	#4 ACSR	7.09Y	118.1	0.00	6.91	0.89	1	6	2	95	0.00	0.0	5.774	0.020	6	2	1	1
PL.2508	PL.2226	ABC	336 MCM AC	7.09Y	118.2	0.00	6.80	25.20	5	516	145	96	0.00	0.0	5.578	0.004	0	0	0	141
PL.2509	PL.2508	ABC	336 MCM AC	7.09Y	118.2	0.01	6.81	25.20	5	516	145	96	0.02	0.0	5.609	0.031	20	6	3	141
PL.2229	PL.2509	ABC	336 MCM AC	7.09Y	118.2	0.01	6.81	24.22	5	496	140	96	0.02	0.0	5.655	0.046	5	1	2	138
PL.2418	PL.2229	A	#4 ACSR	7.09Y	118.2	0.00	6.81	1.15	1	8	2	97	0.00	0.0	5.659	0.005	0	0	0	5
PD.279	PL.2418	A	40QA	7.09Y	118.2	0.00	6.81	1.15	3	8	2	97	0.00	0.0	5.659	0.005	0	0	0	5
PL.2419	PD.279	A	#4 ACSR	7.09Y	118.2	0.00	6.81	1.15	1	8	2	97	0.00	0.0	5.665	0.006	8	2	5	5
PL.2232	PL.2229	ABC	336 MCM AC	7.09Y	118.2	0.01	6.82	23.58	5	483	136	96	0.02	0.0	5.700	0.045	1	0	2	131
PL.2233	PL.2232	ABC	336 MCM AC	7.09Y	118.2	0.02	6.84	23.51	5	481	136	96	0.06	0.0	5.824	0.124	0	0	0	129
PL.2014	PL.2233	ABC	336 MCM AC	7.09Y	118.1	0.03	6.87	23.51	5	481	135	96	0.08	0.0	5.988	0.164	0	0	0	129
PL.2422	PL.2014	A	#4 ACSR	7.09Y	118.1	0.00	6.87	0.00	0	0	0	100	0.00	0.0	5.993	0.005	0	0	0	0
PD.281	PL.2422	A	40QA	7.09Y	118.1	0.00	6.87	0.00	0	0	0	100	0.00	0.0	5.993	0.005	0	0	0	0
PL.2423	PD.281	A	#1/0 ACSR	7.09Y	118.1	0.00	6.87	0.00	0	0	0	100	0.00	0.0	6.034	0.041	0	0	0	0
PL.2089	PL.2014	ABC	336 MCM AC	7.09Y	118.1	0.02	6.90	23.51	5	481	135	96	0.06	0.0	6.122	0.134	0	0	0	129
PL.2424	PL.2089	A	#4 ACSR	7.09Y	118.1	0.00	6.90	1.13	1	8	2	97	0.00	0.0	6.127	0.005	0	0	0	3
PD.282	PL.2424	A	40QA	7.09Y	118.1	0.00	6.90	1.13	3	8	2	97	0.00	0.0	6.127	0.005	0	0	0	3
PL.2425	PD.282	A	#4 ACSR	7.09Y	118.1	0.00	6.90	1.13	1	8	2	97	0.00	0.0	6.153	0.026	0	0	1	3
PL.1699	PL.2425	A	#4 ACSR	7.09Y	118.1	0.01	6.90	1.11	1	8	2	97	0.00	0.0	6.313	0.161	0	0	0	2
PL.1701	PL.1699	A	#4 ACSR	7.09Y	118.1	0.01	6.91	1.11	1	8	2	97	0.00	0.0	6.417	0.103	0	0	0	2
PL.1702	PL.1701	A	#4 ACSR	7.09Y	118.1	0.00	6.91	1.11	1	8	2	97	0.00	0.0	6.478	0.061	0	0	0	2
PL.1703	PL.1702	A	#4 ACSR	7.09Y	118.1	0.00	6.91	0.01	0	0	0	100	0.00	0.0	6.528	0.050	0	0	0	1
PL.1705	PL.1703	A	#2 ACSR	7.09Y	118.1	0.00	6.91	0.01	0	0	0	100	0.00	0.0	6.547	0.019	0	0	0	1
PL.1706	PL.1705	A	#4 ACSR	7.09Y	118.1	0.00	6.91	0.01	0	0	0	100	0.00	0.0	6.600	0.053	0	0	1	1
PL.1704	PL.1702	A	#4 ACSR	7.09Y	118.1	0.00	6.91	1.11	1	8	2	97	0.00	0.0	6.538	0.060	8	2	1	1
PL.2086	PL.2089	ABC	336 MCM AC	7.09Y	118.1	0.01	6.91	23.14	4	474	133	96	0.04	0.0	6.207	0.085	0	0	0	126
PL.2234	PL.2086	ABC	336 MCM AC	7.09Y	118.1	0.00	6.91	22.18	4	454	127	96	0.01	0.0	6.234	0.027	0	0	0	122

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

	Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
	PL.2235	PL.2234	ABC	336 MCM AC	7.08Y	118.1	0.01	6.92	22.18	4	454	127	96	0.02	0.0	6.281	0.046	6	2	2	122	
	PL.65772	PL.2235	ABC	336 MCM AC	7.08Y	118.1	0.01	6.93	21.90	4	448	126	96	0.01	0.0	6.316	0.035	0	0	0	120	
	PL.65773	PL.65772	ABC	336 MCM AC	7.08Y	118.1	0.00	6.93	21.90	4	448	126	96	0.01	0.0	6.332	0.016	7	2	1	120	
	PL.2238	PL.65773	ABC	336 MCM AC	7.08Y	118.1	0.01	6.94	21.54	4	441	124	96	0.02	0.0	6.394	0.062	4	1	3	119	
	PL.2236	PL.2238	ABC	336 MCM AC	7.08Y	118.0	0.02	6.96	21.35	4	437	122	96	0.04	0.0	6.504	0.110	0	0	0	116	
	PL.2239	PL.2236	ABC	336 MCM AC	7.08Y	118.0	0.01	6.97	21.18	4	433	121	96	0.02	0.0	6.560	0.056	15	4	3	114	
	PL.2240	PL.2239	ABC	336 MCM AC	7.08Y	118.0	0.01	6.97	20.45	4	418	117	96	0.01	0.0	6.601	0.041	9	2	5	111	
	PL.2241	PL.2240	ABC	336 MCM AC	7.08Y	118.0	0.02	6.99	20.01	4	409	115	96	0.04	0.0	6.706	0.105	2	1	1	106	
	PL.2074	PL.2241	ABC	336 MCM AC	7.08Y	118.0	0.00	6.99	18.93	4	387	108	96	0.01	0.0	6.741	0.034	0	0	0	102	
	PL.2564	PL.2074	ABC	336 MCM AC	7.08Y	118.0	0.00	7.00	18.93	4	387	108	96	0.01	0.0	6.770	0.029	0	0	0	102	
	PD.355	PL.2564	ABC	50L	7.08Y	118.0	0.00	7.00	18.93	38	387	108	96	0.00	0.0	6.770	0.029	0	0	0	102	
L	PL.2565	PD.355	ABC	336 MCM AC	7.08Y	118.0	0.00	7.00	18.93	4	387	108	96	0.01	0.0	6.800	0.030	0	0	0	102	L
L	PL.2512	PL.2565	C	#4 ACSR	7.08Y	118.0	0.00	7.00	11.13	9	76	21	96	0.00	0.0	6.805	0.004	0	0	0	17	L
L	PD.326	PL.2512	C	25T	7.08Y	118.0	0.00	7.00	11.13	0	76	21	96	0.00	0.0	6.805	0.004	0	0	0	17	L
L	PL.2513	PD.326	C	#4 ACSR	7.08Y	118.0	0.02	7.02	11.13	9	76	21	96	0.01	0.0	6.849	0.044	19	5	3	17	L
L	PL.1710	PL.2513	C	#4 ACSR	7.08Y	117.9	0.06	7.08	8.39	6	57	16	96	0.03	0.0	7.001	0.152	0	0	0	14	L
L	PL.1715	PL.1710	C	#4 ACSR	7.07Y	117.9	0.06	7.14	8.39	6	57	16	96	0.02	0.0	7.159	0.158	6	2	2	14	L
L	PL.1718	PL.1715	C	8 A (CWC)	7.07Y	117.8	0.05	7.18	7.45	7	51	14	96	0.02	0.0	7.259	0.100	7	2	3	12	L
L	PL.1721	PL.1718	C	#4 ACSR	7.07Y	117.8	0.02	7.20	6.35	5	43	12	96	0.01	0.0	7.324	0.065	0	0	0	9	L
L	PL.1720	PL.1721	C	#4 ACSR	7.07Y	117.8	0.02	7.22	6.35	5	43	12	96	0.00	0.0	7.388	0.063	13	4	3	9	L
L	PL.1723	PL.1720	C	#4 ACSR	7.07Y	117.8	0.01	7.22	4.47	3	30	8	97	0.00	0.0	7.422	0.034	5	1	1	6	L
L	PL.1724	PL.1723	C	#4 ACSR	7.07Y	117.8	0.01	7.23	3.70	3	25	7	96	0.00	0.0	7.455	0.033	0	0	0	5	L
L	PL.1725	PL.1724	C	#4 ACSR	7.07Y	117.8	0.00	7.23	3.70	3	25	7	96	0.00	0.0	7.476	0.022	0	0	0	5	L
L	PL.2514	PL.1725	C	#4 ACSR	7.07Y	117.8	0.00	7.23	2.28	2	16	4	97	0.00	0.0	7.481	0.005	0	0	0	3	L
L	PD.327	PL.2514	C	15T	7.07Y	117.8	0.00	7.23	2.28	0	16	4	97	0.00	0.0	7.481	0.005	0	0	0	3	L
L	PL.2515	PD.327	C	#4 ACSR	7.07Y	117.8	0.01	7.24	2.28	2	16	4	97	0.00	0.0	7.556	0.075	0	0	0	3	L
L	PL.1727	PL.2515	C	#4 ACSR	7.07Y	117.8	0.00	7.24	0.52	0	4	1	97	0.00	0.0	7.573	0.017	4	1	1	1	L
L	PL.1728	PL.2515	C	#4 ACSR	7.07Y	117.8	0.01	7.25	1.76	1	12	3	97	0.00	0.0	7.672	0.116	0	0	0	2	L
L	PL.1730	PL.1728	C	#4 ACSR	7.07Y	117.8	0.00	7.25	0.00	0	0	0	100	0.00	0.0	7.706	0.034	0	0	0	0	L
L	PL.1731	PL.1728	C	#4 ACSR	7.06Y	117.7	0.01	7.26	1.76	1	12	3	97	0.00	0.0	7.795	0.123	0	0	0	2	L
L	PL.1732	PL.1731	C	#4 ACSR	7.06Y	117.7	0.01	7.27	1.76	1	12	3	97	0.00	0.0	7.935	0.140	0	0	0	2	L

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PL.1734	PL.1732	C	#4 ACSR	7.06Y	117.7	0.00	7.27	1.33	1	9	3	95	0.00	0.0	7.989	0.054	9	3	1	1	L
L PL.1736	PL.1732	C	#2 ACSR	7.06Y	117.7	0.00	7.27	0.43	0	3	1	95	0.00	0.0	8.038	0.103	0	0	0	1	L
L PL.1737	PL.1736	C	#2 ACSR	7.06Y	117.7	0.00	7.27	0.43	0	3	1	95	0.00	0.0	8.181	0.143	0	0	0	1	L
L PL.1738	PL.1737	C	#1/0 ACSR	7.06Y	117.7	0.00	7.27	0.43	0	3	1	95	0.00	0.0	8.267	0.086	3	1	1	1	L
L PL.1726	PL.1725	C	#4 ACSR	7.07Y	117.8	0.00	7.23	1.42	1	10	3	96	0.00	0.0	7.492	0.016	10	3	2	2	L
L PL.2073	PL.2565	ABC	336 MCM AC	7.08Y	118.0	0.01	7.01	15.22	3	311	87	96	0.01	0.0	6.863	0.063	0	0	0	85	L
L PL.2072	PL.2073	ABC	336 MCM AC	7.08Y	118.0	0.02	7.03	14.62	3	299	84	96	0.03	0.0	7.018	0.155	0	0	0	82	L
L PL.65775	PL.2072	ABC	336 MCM AC	7.08Y	118.0	0.01	7.03	14.62	3	299	84	96	0.01	0.0	7.091	0.072	0	0	0	82	L
L PL.65777	PL.65775	C	#1/0 ACSR	7.08Y	118.0	0.00	7.03	0.00	0	0	0	100	0.00	0.0	7.136	0.046	0	0	0	0	L
L PD.9594	PL.65777	C	15T	7.08Y	118.0	0.00	7.03	0.00	0	0	0	100	0.00	0.0	7.136	0.046	0	0	0	0	L
L PL.65778	PD.9594	C	#1/0 ACSR	7.08Y	118.0	0.00	7.03	0.00	0	0	0	100	0.00	0.0	7.274	0.138	0	0	0	0	L
L PL.65776	PL.65775	ABC	336 MCM AC	7.08Y	118.0	0.01	7.04	14.62	3	299	84	96	0.01	0.0	7.147	0.056	0	0	0	82	L
L PL.2435	PL.65776	ABC	336 MCM AC	7.08Y	118.0	0.00	7.04	14.62	3	299	84	96	0.00	0.0	7.151	0.004	0	0	0	82	L
L PL.2242	PL.2435	ABC	336 MCM AC	7.08Y	118.0	0.01	7.05	14.28	3	292	82	96	0.01	0.0	7.214	0.064	2	1	1	79	L
L PL.2243	PL.2242	ABC	336 MCM AC	7.08Y	117.9	0.00	7.05	14.17	3	290	81	96	0.01	0.0	7.261	0.046	0	0	2	78	L
L PL.1740	PL.2243	ABC	336 MCM AC	7.08Y	117.9	0.01	7.06	14.17	3	290	81	96	0.01	0.0	7.318	0.057	0	0	1	76	L
L PL.2070	PL.1740	ABC	336 MCM AC	7.08Y	117.9	0.00	7.06	14.17	3	290	81	96	0.01	0.0	7.362	0.044	20	6	6	75	L
L PL.2071	PL.2070	ABC	336 MCM AC	7.08Y	117.9	0.01	7.07	9.39	2	192	54	96	0.01	0.0	7.440	0.078	32	9	5	54	L
L PL.2440	PL.2071	A	8 A (CWC)	7.08Y	117.9	0.00	7.07	5.76	6	39	11	96	0.00	0.0	7.445	0.005	0	0	0	10	L
L PD.289	PL.2440	A	25T	7.08Y	117.9	0.00	7.07	5.76	0	39	11	96	0.00	0.0	7.445	0.005	0	0	0	10	L
L PL.2441	PD.289	A	8 A (CWC)	7.08Y	117.9	0.00	7.07	5.76	6	39	11	96	0.00	0.0	7.453	0.009	0	0	0	10	L
L PL.1754	PL.2441	A	8 A (CWC)	7.08Y	117.9	0.01	7.08	5.76	6	39	11	96	0.00	0.0	7.473	0.019	14	4	5	10	L
L PL.1755	PL.1754	A	8 A (CWC)	7.07Y	117.9	0.01	7.08	3.70	4	25	7	96	0.00	0.0	7.499	0.027	10	3	2	5	L
L PL.1756	PL.1755	A	#2 ACSR	7.07Y	117.9	0.00	7.08	2.26	1	15	4	97	0.00	0.0	7.529	0.030	15	4	3	3	L
L PL.2069	PL.2071	ABC	336 MCM AC	7.08Y	117.9	0.00	7.07	5.91	1	121	34	96	0.00	0.0	7.523	0.083	0	0	0	39	L
L PL.2244	PL.2069	ABC	336 MCM AC	7.08Y	117.9	0.00	7.07	5.22	1	107	30	96	0.00	0.0	7.568	0.045	1	0	1	34	L
L PL.2245	PL.2244	ABC	336 MCM AC	7.08Y	117.9	0.00	7.07	5.16	1	105	29	96	0.00	0.0	7.612	0.044	5	1	2	33	L
L PL.2516	PL.2245	C	#4 ACSR	7.08Y	117.9	0.00	7.07	0.30	0	2	1	89	0.00	0.0	7.617	0.004	0	0	0	1	L
L PD.328	PL.2516	C	25T	7.08Y	117.9	0.00	7.07	0.30	0	2	1	89	0.00	0.0	7.617	0.004	0	0	0	1	L
L PL.2517	PD.328	C	#4 ACSR	7.08Y	117.9	0.00	7.07	0.30	0	2	1	89	0.00	0.0	7.654	0.038	2	1	1	1	L
L PL.1757	PL.2245	ABC	336 MCM AC	7.08Y	117.9	0.00	7.08	4.82	1	99	28	96	0.00	0.0	7.682	0.070	4	1	3	30	L

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PL.1758	PL.1757	ABC	336 MCM AC	7.08Y	117.9	0.00	7.08	4.63	1	95	26	96	0.00	0.0	7.733	0.051	0	0	0	27	L
L PL.1759	PL.1758	ABC	336 MCM AC	7.08Y	117.9	0.00	7.08	4.63	1	95	26	96	0.00	0.0	7.795	0.062	0	0	0	27	L
L PL.2520	PL.1759	C	#4 ACSR	7.08Y	117.9	0.00	7.08	0.36	0	2	1	89	0.00	0.0	7.799	0.005	0	0	0	1	L
L PD.330	PL.2520	C	25T	7.08Y	117.9	0.00	7.08	0.36	0	2	1	89	0.00	0.0	7.799	0.005	0	0	0	1	L
L PL.2521	PD.330	C	#4 ACSR	7.08Y	117.9	0.00	7.08	0.36	0	2	1	89	0.00	0.0	7.845	0.045	2	1	1	1	L
L PL.1761	PL.1759	ABC	336 MCM AC	7.08Y	117.9	0.00	7.08	4.51	1	92	26	96	0.00	0.0	7.870	0.075	0	0	0	26	L
L PL.1762	PL.1761	ABC	336 MCM AC	7.07Y	117.9	0.00	7.09	4.51	1	92	26	96	0.00	0.0	7.967	0.097	0	0	0	26	L
L PL.1764	PL.1762	ABC	336 MCM AC	7.07Y	117.9	0.00	7.09	4.51	1	92	26	96	0.00	0.0	8.072	0.105	0	0	1	26	L
L PL.1768	PL.1764	ABC	336 MCM AC	7.07Y	117.9	0.01	7.10	4.51	1	92	26	96	0.00	0.0	8.244	0.172	0	0	0	25	L
L PL.1769	PL.1768	ABC	336 MCM AC	7.07Y	117.9	0.00	7.10	4.27	1	87	24	96	0.00	0.0	8.293	0.049	0	0	0	23	L
L PL.1770	PL.1769	ABC	336 MCM AC	7.07Y	117.9	0.00	7.10	2.15	0	44	12	96	0.00	0.0	8.367	0.074	0	0	0	13	L
L PL.2064	PL.1770	ABC	336 MCM AC	7.07Y	117.9	0.00	7.10	1.58	0	32	9	96	0.00	0.0	8.420	0.053	0	0	0	10	L
L PL.2065	PL.2064	ABC	336 MCM AC	7.07Y	117.9	0.00	7.10	1.07	0	22	6	96	0.00	0.0	8.529	0.110	0	0	0	6	L
L PL.2016	PL.2065	ABC	336 MCM AC	7.07Y	117.9	0.00	7.10	1.07	0	22	6	96	0.00	0.0	8.628	0.099	0	0	0	6	L
L PL.2017	PL.2016	ABC	336 MCM AC	7.07Y	117.9	0.00	7.10	1.07	0	22	6	96	0.00	0.0	8.725	0.097	0	0	0	6	L
L PL.2018	PL.2017	ABC	336 MCM AC	7.07Y	117.9	0.00	7.10	1.07	0	22	6	96	0.00	0.0	8.827	0.102	0	0	0	6	L
L PL.2019	PL.2018	ABC	336 MCM AC	7.07Y	117.9	0.00	7.10	1.07	0	22	6	96	0.00	0.0	8.909	0.082	0	0	0	6	L
L PL.2020	PL.2019	ABC	336 MCM AC	7.07Y	117.9	0.00	7.10	1.07	0	22	6	96	0.00	0.0	9.022	0.112	0	0	0	6	L
L PL.2249	PL.2020	ABC	336 MCM AC	7.07Y	117.9	0.00	7.10	1.07	0	22	6	96	0.00	0.0	9.147	0.126	5	1	1	6	L
L PL.2250	PL.2249	ABC	336 MCM AC	7.07Y	117.9	0.00	7.11	0.84	0	17	5	96	0.00	0.0	9.218	0.071	0	0	0	5	L
L PL.2058	PL.2250	ABC	336 MCM AC	7.07Y	117.9	0.00	7.11	0.35	0	7	2	96	0.00	0.0	9.274	0.057	0	0	0	4	L
L PL.2251	PL.2058	ABC	336 MCM AC	7.07Y	117.9	0.00	7.11	0.27	0	5	2	93	0.00	0.0	9.338	0.063	0	0	0	2	L
L PL.2252	PL.2251	ABC	336 MCM AC	7.07Y	117.9	0.00	7.11	0.27	0	5	2	93	0.00	0.0	9.520	0.182	2	1	1	2	L
L PL.2253	PL.2252	ABC	336 MCM AC	7.07Y	117.9	0.00	7.11	0.18	0	4	1	97	0.00	0.0	9.626	0.106	0	0	0	1	L
L PL.2264	PL.2253	ABC	336 MCM AC	7.07Y	117.9	0.00	7.11	0.18	0	4	1	97	0.00	0.0	9.740	0.114	4	1	1	1	L
L PL.2265	PL.2264	ABC	336 MCM AC	7.07Y	117.9	0.00	7.11	0.00	0	0	0	100	0.00	0.0	9.800	0.061	0	0	0	0	L
L PD.205-A	PL.2265	ABC	Open	7.07Y	117.9	0.00	7.11	0.00	0	0	0	100	0.00	0.0	9.800	0.061	0	0	0	0	L
L PL.2452	PL.2058	C	#4 ACSR	7.07Y	117.9	0.00	7.11	0.26	0	2	0	100	0.00	0.0	9.279	0.005	0	0	0	2	L
L PD.295	PL.2452	C	20T	7.07Y	117.9	0.00	7.11	0.26	0	2	0	100	0.00	0.0	9.279	0.005	0	0	0	2	L
L PL.2453	PD.295	C	#4 ACSR	7.07Y	117.9	0.00	7.11	0.26	0	2	0	100	0.00	0.0	9.299	0.020	2	0	2	2	L
L PL.2450	PL.2250	A	#2 ACSR	7.07Y	117.9	0.00	7.11	1.47	1	10	3	96	0.00	0.0	9.222	0.005	0	0	0	1	L

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PD.294	PL.2450	A	20T	7.07Y	117.9	0.00	7.11	1.47	0	10	3	96	0.00	0.0	9.222	0.005	0	0	0	1	L
L PL.2451	PD.294	A	#2 ACSR	7.07Y	117.9	0.00	7.11	1.47	1	10	3	96	0.00	0.0	9.242	0.020	10	3	1	1	L
L PL.2448	PL.2064	C	#2 ACSR	7.07Y	117.9	0.00	7.10	1.53	1	10	3	96	0.00	0.0	8.425	0.005	0	0	0	4	L
L PD.293	PL.2448	C	20T	7.07Y	117.9	0.00	7.10	1.53	0	10	3	96	0.00	0.0	8.425	0.005	0	0	0	4	L
L PL.2449	PD.293	C	#2 ACSR	7.07Y	117.9	0.00	7.10	1.53	1	10	3	96	0.00	0.0	8.443	0.018	10	3	4	4	L
L PL.2446	PL.1770	A	#2 ACSR	7.07Y	117.9	0.00	7.10	1.71	1	12	3	97	0.00	0.0	8.371	0.004	0	0	0	3	L
L PD.292	PL.2446	A	20T	7.07Y	117.9	0.00	7.10	1.71	0	12	3	97	0.00	0.0	8.371	0.004	0	0	0	3	L
L PL.2447	PD.292	A	#2 ACSR	7.07Y	117.9	0.00	7.10	1.71	1	12	3	97	0.00	0.0	8.384	0.013	2	1	1	3	L
L PL.4519	PL.2447	A	#1/0 ACSR	7.07Y	117.9	0.00	7.10	1.40	1	10	3	96	0.00	0.0	8.408	0.024	10	3	2	2	L
L PL.2444	PL.1769	A	#2 ACSR	7.07Y	117.9	0.00	7.10	6.35	4	43	12	96	0.00	0.0	8.298	0.005	0	0	0	10	L
L PD.291	PL.2444	A	20T	7.07Y	117.9	0.00	7.10	6.35	0	43	12	96	0.00	0.0	8.298	0.005	0	0	0	10	L
L PL.2445	PD.291	A	#2 ACSR	7.07Y	117.9	0.00	7.10	6.35	4	43	12	96	0.00	0.0	8.320	0.023	15	4	3	10	L
L PL.2246	PL.2445	A	#2 ACSR	7.07Y	117.9	0.00	7.11	4.22	2	29	8	96	0.00	0.0	8.354	0.034	3	1	1	7	L
L PL.2247	PL.2246	A	8 A (CWC)	7.07Y	117.9	0.00	7.11	3.84	4	26	7	97	0.00	0.0	8.373	0.018	2	0	1	6	L
L PL.2248	PL.2247	A	8 A (CWC)	7.07Y	117.9	0.01	7.12	3.61	4	25	7	96	0.00	0.0	8.410	0.038	5	1	1	5	L
L PL.1772	PL.2248	A	#4 ACSR	7.07Y	117.9	0.00	7.12	1.40	1	10	3	96	0.00	0.0	8.466	0.055	10	3	1	1	L
L PL.1771	PL.2248	A	8 A (CWC)	7.07Y	117.9	0.01	7.13	1.42	1	10	3	96	0.00	0.0	8.516	0.106	0	0	0	3	L
L PL.1774	PL.1771	A	8 A (CWC)	7.07Y	117.9	0.00	7.13	1.42	1	10	3	96	0.00	0.0	8.549	0.033	10	3	3	3	L
L PL.2442	PL.1768	A	#2 ACSR	7.07Y	117.9	0.00	7.10	0.72	0	5	1	98	0.00	0.0	8.249	0.005	0	0	0	2	L
L PD.290	PL.2442	A	25T	7.07Y	117.9	0.00	7.10	0.72	0	5	1	98	0.00	0.0	8.249	0.005	0	0	0	2	L
L PL.2443	PD.290	A	#2 ACSR	7.07Y	117.9	0.00	7.10	0.72	0	5	1	98	0.00	0.0	8.275	0.026	5	1	2	2	L
L PL.2438	PL.2069	A	#2 ACSR	7.08Y	117.9	0.00	7.07	2.06	1	14	4	96	0.00	0.0	7.527	0.005	0	0	0	5	L
L PD.288	PL.2438	A	25T	7.08Y	117.9	0.00	7.07	2.06	0	14	4	96	0.00	0.0	7.527	0.005	0	0	0	5	L
L PL.2439	PD.288	A	#2 ACSR	7.08Y	117.9	0.00	7.07	2.06	1	14	4	96	0.00	0.0	7.534	0.007	14	4	5	5	L
L PL.2436	PL.2070	A	#4 ACSR	7.08Y	117.9	0.00	7.06	11.36	9	77	22	96	0.00	0.0	7.366	0.005	0	0	0	15	L
L PD.287	PL.2436	A	25T	7.08Y	117.9	0.00	7.06	11.36	0	77	22	96	0.00	0.0	7.366	0.005	0	0	0	15	L
L PL.2437	PD.287	A	#4 ACSR	7.07Y	117.9	0.02	7.08	11.36	9	77	22	96	0.01	0.0	7.412	0.046	24	7	5	15	L
L PL.1741	PL.2437	A	#4 ACSR	7.07Y	117.9	0.02	7.10	7.85	6	53	15	96	0.01	0.0	7.476	0.064	12	3	2	10	L
L PL.1742	PL.1741	A	#4 ACSR	7.07Y	117.9	0.02	7.13	6.11	5	42	12	96	0.01	0.0	7.567	0.091	4	1	1	8	L
L PL.1743	PL.1742	A	#4 ACSR	7.07Y	117.9	0.02	7.15	5.50	4	37	10	97	0.01	0.0	7.661	0.094	5	1	2	7	L
L PL.1744	PL.1743	A	#4 ACSR	7.07Y	117.8	0.01	7.16	4.78	4	33	9	96	0.00	0.0	7.726	0.065	8	2	1	5	L

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PL.1746	PL.1744	A	#4 ACSR	7.07Y	117.8	0.01	7.17	3.65	3	25	7	96	0.00	0.0	7.758	0.033	2	1	1	4	L
L PL.1747	PL.1746	A	#4 ACSR	7.07Y	117.8	0.01	7.18	2.91	2	20	6	96	0.00	0.0	7.833	0.075	0	0	0	2	L
L PL.1751	PL.1747	A	#4 ACSR	7.07Y	117.8	0.01	7.18	1.32	1	9	3	95	0.00	0.0	7.930	0.097	0	0	0	1	L
L PL.1752	PL.1751	A	#4 ACSR	7.07Y	117.8	0.00	7.18	1.32	1	9	3	95	0.00	0.0	7.989	0.059	9	3	1	1	L
L PL.1750	PL.1747	A	#4 ACSR	7.07Y	117.8	0.00	7.18	1.59	1	11	3	96	0.00	0.0	7.873	0.039	11	3	1	1	L
L PL.1748	PL.1746	A	#4 ACSR	7.07Y	117.8	0.00	7.17	0.40	0	3	1	95	0.00	0.0	7.819	0.061	3	1	1	1	L
L PL.2432	PL.2435	C	#4 ACSR	7.08Y	118.0	0.00	7.04	1.03	1	7	2	96	0.00	0.0	7.155	0.005	0	0	0	3	L
L PD.286	PL.2432	C	25T	7.08Y	118.0	0.00	7.04	1.03	0	7	2	96	0.00	0.0	7.155	0.005	0	0	0	3	L
L PL.2433	PD.286	C	#4 ACSR	7.08Y	118.0	0.00	7.04	1.03	1	7	2	96	0.00	0.0	7.211	0.056	7	2	3	3	L
L PL.2430	PL.2073	C	#4 ACSR	7.08Y	118.0	0.00	7.01	1.78	1	12	3	97	0.00	0.0	6.868	0.004	0	0	0	3	L
L PD.285	PL.2430	C	25T	7.08Y	118.0	0.00	7.01	1.78	0	12	3	97	0.00	0.0	6.868	0.004	0	0	0	3	L
L PL.2431	PD.285	C	#4 ACSR	7.08Y	118.0	0.00	7.01	1.78	1	12	3	97	0.00	0.0	6.899	0.031	3	1	2	3	L
L PL.1711	PL.2431	C	#4 ACSR	7.08Y	118.0	0.00	7.01	1.29	1	9	2	98	0.00	0.0	6.947	0.048	9	2	1	1	L
PL.2510	PL.2241	C	#4 ACSR	7.08Y	118.0	0.00	6.99	2.90	2	20	6	96	0.00	0.0	6.711	0.005	0	0	0	3	
PD.325	PL.2510	C	40QA	7.08Y	118.0	0.00	6.99	2.90	7	20	6	96	0.00	0.0	6.711	0.005	0	0	0	3	
PL.2511	PD.325	C	#4 ACSR	7.08Y	118.0	0.00	6.99	2.90	2	20	6	96	0.00	0.0	6.732	0.021	0	0	0	3	
PL.1708	PL.2511	C	#4 ACSR	7.08Y	118.0	0.00	6.99	2.90	2	20	6	96	0.00	0.0	6.773	0.040	20	6	3	3	
PL.1709	PL.1708	C	#4 ACSR	7.08Y	118.0	0.00	6.99	0.00	0	0	0	100	0.00	0.0	6.811	0.038	0	0	0	0	
PL.2428	PL.2236	C	#4 ACSR	7.08Y	118.0	0.00	6.96	0.52	0	4	1	97	0.00	0.0	6.508	0.005	0	0	0	2	
PD.284	PL.2428	C	40QA	7.08Y	118.0	0.00	6.96	0.52	1	4	1	97	0.00	0.0	6.508	0.005	0	0	0	2	
PL.2429	PD.284	C	#4 ACSR	7.08Y	118.0	0.00	6.96	0.52	0	4	1	97	0.00	0.0	6.529	0.021	4	1	2	2	
PL.1707	PL.2086	C	#4 ACSR	7.09Y	118.1	0.00	6.91	2.88	2	20	5	97	0.00	0.0	6.231	0.024	0	0	0	4	
PD.283	PL.1707	C	15T	7.09Y	118.1	0.00	6.91	2.88	0	20	5	97	0.00	0.0	6.231	0.024	0	0	0	4	
PL.2426	PD.283	C	8 A (CWC)	7.09Y	118.1	0.00	6.91	2.88	3	20	5	97	0.00	0.0	6.233	0.003	9	2	2	4	
PL.2427	PL.2426	C	8 A (CWC)	7.09Y	118.1	0.00	6.92	1.61	2	11	3	96	0.00	0.0	6.278	0.044	11	3	2	2	
PL.2506	PL.2226	A	#4 ACSR	7.09Y	118.2	0.00	6.80	7.11	5	49	14	96	0.00	0.0	5.578	0.005	0	0	0	15	
PD.324	PL.2506	A	40QA	7.09Y	118.2	0.00	6.80	7.11	18	49	14	96	0.00	0.0	5.578	0.005	0	0	0	15	
PL.2507	PD.324	A	#4 ACSR	7.09Y	118.2	0.00	6.80	7.11	5	49	14	96	0.00	0.0	5.594	0.016	13	4	3	15	
PL.2230	PL.2507	A	8 A (CWC)	7.09Y	118.2	0.01	6.82	5.23	5	36	10	96	0.00	0.0	5.638	0.044	14	4	5	12	
PL.2231	PL.2230	A	8 A (CWC)	7.09Y	118.2	0.01	6.82	3.12	3	21	6	96	0.00	0.0	5.672	0.034	5	1	2	7	
PL.1695	PL.2231	A	8 A (CWC)	7.09Y	118.2	0.00	6.83	2.35	2	16	4	97	0.00	0.0	5.703	0.031	4	1	2	5	

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

Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

	Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
	PL.1696	PL.1695	A	8 A (CWC)	7.09Y	118.2	0.00	6.83	1.70	2	12	3	97	0.00	0.0	5.731	0.028	8	2	1	3	
	PL.1697	PL.1696	A	8 A (CWC)	7.09Y	118.2	0.00	6.83	0.54	1	4	1	97	0.00	0.0	5.769	0.037	0	0	0	2	
	PL.1698	PL.1697	A	8 A (CWC)	7.09Y	118.2	0.00	6.83	0.54	1	4	1	97	0.00	0.0	5.810	0.042	4	1	2	2	
	PL.2416	PL.2103	A	#4 ACSR	7.10Y	118.3	0.00	6.73	1.35	1	9	3	95	0.00	0.0	5.318	0.005	0	0	0	2	
	PD.278	PL.2416	A	40QA	7.10Y	118.3	0.00	6.73	1.35	3	9	3	95	0.00	0.0	5.318	0.005	0	0	0	2	
	PL.2417	PD.278	A	#4 ACSR	7.10Y	118.3	0.00	6.73	1.35	1	9	3	95	0.00	0.0	5.339	0.021	9	3	2	2	
	PL.2500	PL.2104	C	#4 ACSR	7.10Y	118.3	0.00	6.72	3.44	3	24	7	96	0.00	0.0	5.255	0.005	0	0	0	3	
	PD.321	PL.2500	C	40QA	7.10Y	118.3	0.00	6.72	3.44	9	24	7	96	0.00	0.0	5.255	0.005	0	0	0	3	
	PL.2501	PD.321	C	#4 ACSR	7.10Y	118.3	0.00	6.72	3.44	3	24	7	96	0.00	0.0	5.274	0.020	24	7	3	3	
	PL.2464	PL.2107	A	#4 ACSR	7.10Y	118.3	0.00	6.70	0.00	0	0	0	100	0.00	0.0	5.193	0.005	0	0	0	0	
	PD.303	PL.2464	A	40QA	7.10Y	118.3	0.00	6.70	0.00	0	0	0	100	0.00	0.0	5.193	0.005	0	0	0	0	
	PL.2465	PD.303	A	#4 ACSR	7.10Y	118.3	0.00	6.70	0.00	0	0	0	100	0.00	0.0	5.204	0.011	0	0	0	0	
	PL.1655	PL.2107	B	8 A (CWC)	7.09Y	118.2	0.11	6.81	28.65	29	196	55	96	0.17	0.1	5.246	0.057	10	3	4	57	
	PL.2556	PL.1655	B	8 A (CWC)	7.09Y	118.2	0.00	6.81	27.22	27	186	52	96	0.01	0.0	5.249	0.003	0	0	0	53	
C	PD.351	PL.2556	B	35H	7.09Y	118.2	0.00	6.81	27.22	78	186	52	96	0.00	0.0	5.249	0.003	0	0	0	53	C
	PL.2557	PD.351	B	8 A (CWC)	7.08Y	118.1	0.13	6.94	27.22	27	186	52	96	0.20	0.1	5.323	0.075	10	3	3	53	
	PL.1657	PL.2557	B	#4 ACSR	7.08Y	118.1	0.00	6.94	1.81	1	12	3	97	0.00	0.0	5.343	0.020	12	3	2	2	
L	PL.1656	PL.2557	B	8 A (CWC)	7.08Y	117.9	0.13	7.08	23.87	24	163	46	96	0.17	0.1	5.412	0.088	20	6	5	48	L
L	PL.1658	PL.1656	B	8 A (CWC)	7.06Y	117.7	0.22	7.29	20.96	21	143	40	96	0.25	0.2	5.569	0.158	4	1	1	43	L
L	PL.1660	PL.1658	B	8 A (CWC)	7.06Y	117.6	0.11	7.40	20.31	20	138	39	96	0.13	0.1	5.654	0.085	8	2	3	42	L
L	PL.2260	PL.1660	B	8 A (CWC)	7.05Y	117.5	0.08	7.49	19.16	19	130	36	96	0.09	0.1	5.720	0.066	0	0	1	39	L
L	PL.2261	PL.2260	B	8 A (CWC)	7.05Y	117.5	0.06	7.55	19.16	19	130	36	96	0.06	0.0	5.766	0.046	10	3	4	38	L
L	PL.1661	PL.2261	B	8 A (CWC)	7.04Y	117.4	0.05	7.60	17.74	18	120	34	96	0.05	0.0	5.811	0.045	3	1	2	34	L
L	PL.1663	PL.1661	B	8 A (CWC)	7.04Y	117.4	0.04	7.64	15.80	16	107	30	96	0.04	0.0	5.850	0.039	0	0	1	30	L
L	PL.1664	PL.1663	B	8 A (CWC)	7.04Y	117.3	0.02	7.66	15.80	16	107	30	96	0.01	0.0	5.867	0.017	12	3	3	29	L
L	PL.1665	PL.1664	B	#4 ACSR	7.04Y	117.3	0.04	7.70	14.05	11	95	27	96	0.03	0.0	5.942	0.075	12	3	3	26	L
L	PL.1667	PL.1665	B	#4 ACSR	7.04Y	117.3	0.02	7.72	12.06	9	82	23	96	0.01	0.0	5.976	0.035	0	0	1	21	L
L	PL.1669	PL.1667	B	#4 ACSR	7.04Y	117.3	0.02	7.74	12.05	9	82	23	96	0.01	0.0	6.010	0.034	1	0	1	20	L
L	PL.1670	PL.1669	B	#4 ACSR	7.03Y	117.2	0.02	7.75	11.91	9	81	23	96	0.01	0.0	6.040	0.030	6	2	2	19	L
L	PL.1671	PL.1670	B	8 A (CWC)	7.03Y	117.2	0.09	7.84	11.01	11	75	21	96	0.06	0.1	6.164	0.124	0	0	1	17	L
L	PL.1673	PL.1671	B	#4 ACSR	7.03Y	117.2	0.00	7.84	0.43	0	3	1	95	0.00	0.0	6.211	0.047	3	1	1	1	L

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PL.1674	PL.1671	B	8 A (CWC)	7.03Y	117.1	0.05	7.89	10.58	11	72	20	96	0.03	0.0	6.233	0.069	0	0	0	15	L
L PL.1675	PL.1674	B	8 A (CWC)	7.02Y	117.1	0.04	7.93	10.58	11	72	20	96	0.03	0.0	6.294	0.061	0	0	0	15	L
L PL.1676	PL.1675	B	8 A (CWC)	7.02Y	117.0	0.06	8.00	10.58	11	72	20	96	0.03	0.0	6.391	0.097	14	4	3	15	L
L PL.1677	PL.1676	B	8 A (CWC)	7.02Y	117.0	0.04	8.04	8.48	8	57	16	96	0.02	0.0	6.468	0.076	12	3	2	12	L
L PL.1678	PL.1677	B	8 A (CWC)	7.02Y	116.9	0.03	8.06	6.64	7	45	13	96	0.01	0.0	6.528	0.060	4	1	1	10	L
L PL.1679	PL.1678	B	8 A (CWC)	7.01Y	116.9	0.03	8.09	6.01	6	41	11	97	0.01	0.0	6.611	0.083	3	1	1	9	L
L PL.1680	PL.1679	B	#4 ACSR	7.01Y	116.9	0.00	8.10	2.70	2	18	5	96	0.00	0.0	6.644	0.033	11	3	2	3	L
L PL.1681	PL.1680	B	#2 ACSR	7.01Y	116.9	0.00	8.10	1.13	1	8	2	97	0.00	0.0	6.670	0.026	0	0	0	1	L
L PL.1682	PL.1681	B	#2 ACSR	7.01Y	116.9	0.00	8.10	1.13	1	8	2	97	0.00	0.0	6.734	0.064	8	2	1	1	L
L PL.1683	PL.1679	B	#2 ACSR	7.01Y	116.9	0.00	8.09	0.00	0	0	0	100	0.00	0.0	6.675	0.064	0	0	0	1	L
L PL.1685	PL.1683	B	#2 ACSR	7.01Y	116.9	0.00	8.09	0.00	0	0	0	100	0.00	0.0	6.730	0.055	0	0	1	1	L
L PL.1684	PL.1679	B	8 A (CWC)	7.01Y	116.9	0.02	8.11	2.95	3	20	6	96	0.00	0.0	6.705	0.095	0	0	0	4	L
L PL.2133	PL.1684	B	8 A (CWC)	7.01Y	116.9	0.01	8.12	2.95	3	20	6	96	0.00	0.0	6.731	0.026	0	0	0	4	L
L PL.1687	PL.2133	B	#4 ACSR	7.01Y	116.9	0.00	8.12	0.71	1	5	1	98	0.00	0.0	6.759	0.028	0	0	0	1	L
L PL.1686	PL.1687	B	#4 ACSR	7.01Y	116.9	0.00	8.12	0.71	1	5	1	98	0.00	0.0	6.801	0.042	5	1	1	1	L
L PL.2227	PL.2133	B	8 A (CWC)	7.01Y	116.9	0.01	8.12	2.23	2	15	4	97	0.00	0.0	6.819	0.088	15	4	3	3	L
L PL.2228	PL.2227	B	#2 ACSR	7.01Y	116.9	0.00	8.12	0.00	0	0	0	100	0.00	0.0	6.869	0.050	0	0	0	0	L
L PL.1668	PL.1665	B	#4 ACSR	7.04Y	117.3	0.00	7.70	0.19	0	1	0	100	0.00	0.0	5.974	0.032	1	0	2	2	L
L PL.1662	PL.1661	B	#4 ACSR	7.04Y	117.4	0.00	7.60	1.45	1	10	3	96	0.00	0.0	5.825	0.014	10	3	2	2	L
PL.2454	PL.2255	C	#2 ACSR	7.10Y	118.4	0.00	6.63	1.47	1	10	3	96	0.00	0.0	5.009	0.005	0	0	0	3	
PD.296	PL.2454	C	40QA	7.10Y	118.4	0.00	6.63	1.47	4	10	3	96	0.00	0.0	5.009	0.005	0	0	0	3	
PL.2455	PD.296	C	#2 ACSR	7.10Y	118.4	0.00	6.63	1.47	1	10	3	96	0.00	0.0	5.045	0.036	10	3	3	3	
PL.65771	PL.2254	C	#1/0 ACSR	7.10Y	118.4	0.00	6.61	0.00	0	0	0	100	0.00	0.0	4.978	0.030	0	0	0	0	
PL.1646	PL.2105	C	#4 ACSR	7.11Y	118.4	0.00	6.57	1.06	1	7	2	96	0.00	0.0	4.839	0.005	0	0	0	7	
PD.297	PL.1646	C	20T	7.11Y	118.4	0.00	6.57	1.06	0	7	2	96	0.00	0.0	4.839	0.005	0	0	0	7	
PL.10178	PD.297	C	#4 ACSR	7.11Y	118.4	0.00	6.57	0.07	0	0	0	100	0.00	0.0	4.850	0.010	0	0	0	3	
PL.21698	PL.10178	C	#4 ACSR	7.11Y	118.4	0.00	6.57	0.07	0	0	0	100	0.00	0.0	4.862	0.013	0	0	0	3	
PL.21699	PL.21698	C	#4 ACSR	7.11Y	118.4	0.00	6.57	0.07	0	0	0	100	0.00	0.0	4.952	0.089	0	0	1	3	
PL.1650	PL.21699	C	#2 ACSR	7.11Y	118.4	0.00	6.57	0.03	0	0	0	100	0.00	0.0	4.989	0.038	0	0	1	2	
PL.1654	PL.1650	C	#2 ACSR	7.11Y	118.4	0.00	6.57	0.03	0	0	0	100	0.00	0.0	5.089	0.100	0	0	1	1	
PL.2100	PD.297	C	#2 ACSR	7.11Y	118.4	0.00	6.57	0.99	1	7	2	96	0.00	0.0	4.853	0.013	0	0	0	4	

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.1653	PL.2100	C	#2 ACSR	7.11Y	118.4	0.00	6.57	0.99	1	7	2	96	0.00	0.0	4.862	0.009	1	0	1	4
PL.1652	PL.1653	C	#2 ACSR	7.11Y	118.4	0.00	6.57	0.83	0	6	2	95	0.00	0.0	4.908	0.046	6	2	3	3
PL.2458	PL.2114	C	#4 ACSR	7.11Y	118.5	0.00	6.46	0.92	1	6	2	95	0.00	0.0	4.548	0.005	0	0	0	3
PD.299	PL.2458	C	40QA	7.11Y	118.5	0.00	6.46	0.92	2	6	2	95	0.00	0.0	4.548	0.005	0	0	0	3
PL.2459	PD.299	C	#4 ACSR	7.11Y	118.5	0.00	6.47	0.92	1	6	2	95	0.00	0.0	4.588	0.039	6	2	3	3
PL.2460	PL.2117	C	#4 ACSR	7.11Y	118.6	0.00	6.45	1.03	1	7	2	96	0.00	0.0	4.496	0.004	0	0	0	3
PD.300	PL.2460	C	15T	7.11Y	118.6	0.00	6.45	1.03	0	7	2	96	0.00	0.0	4.496	0.004	0	0	0	3
PL.2461	PD.300	C	#4 ACSR	7.11Y	118.6	0.00	6.45	1.03	1	7	2	96	0.00	0.0	4.519	0.023	7	2	3	3
PL.2462	PL.2257	C	#4 ACSR	7.12Y	118.6	0.00	6.38	0.24	0	2	0	100	0.00	0.0	4.316	0.004	0	0	0	1
PD.301	PL.2462	C	40QA	7.12Y	118.6	0.00	6.38	0.24	1	2	0	100	0.00	0.0	4.316	0.004	0	0	0	1
PL.2463	PD.301	C	#4 ACSR	7.12Y	118.6	0.00	6.38	0.24	0	2	0	100	0.00	0.0	4.324	0.008	2	0	1	1
PL.1611	PL.2259	A	#4 ACSR	7.12Y	118.6	0.03	6.36	41.98	32	288	81	96	0.06	0.0	4.222	0.014	7	2	1	63
PL.1613	PL.1611	A	#4 ACSR	7.12Y	118.6	0.01	6.37	41.03	32	281	79	96	0.02	0.0	4.226	0.005	0	0	0	62
PD.302	PL.1613	A	30T	7.12Y	118.6	0.00	6.37	41.03	0	281	79	96	0.00	0.0	4.226	0.005	0	0	0	62
PL.2005	PD.302	A	#4 ACSR	7.11Y	118.5	0.12	6.49	39.62	30	272	76	96	0.24	0.1	4.295	0.069	19	5	3	58
PL.1616	PL.2005	A	#4 ACSR	7.11Y	118.4	0.09	6.58	32.07	25	220	61	96	0.15	0.1	4.357	0.062	1	0	1	51
PL.1620	PL.1616	A	#2 ACSR	7.11Y	118.4	0.00	6.58	2.58	1	18	5	96	0.00	0.0	4.370	0.013	18	5	2	2
PL.1612	PL.1616	A	#4 ACSR	7.11Y	118.4	0.00	6.58	1.10	1	8	2	97	0.00	0.0	4.406	0.049	8	2	3	3
PL.1621	PL.1616	A	#4 ACSR	7.10Y	118.4	0.03	6.61	28.19	22	193	54	96	0.05	0.0	4.382	0.025	4	1	1	45
PL.1622	PL.1621	A	#4 ACSR	7.10Y	118.4	0.04	6.65	27.55	21	188	53	96	0.06	0.0	4.414	0.033	3	1	1	44
PL.1623	PL.1622	A	#4 ACSR	7.10Y	118.3	0.05	6.70	27.06	21	185	52	96	0.08	0.0	4.460	0.046	9	3	3	43
PL.1624	PL.1623	A	#4 ACSR	7.10Y	118.3	0.01	6.71	5.65	4	39	11	96	0.00	0.0	4.504	0.043	12	3	4	12
PL.1644	PL.1624	A	#4 ACSR	7.10Y	118.3	0.01	6.72	3.95	3	27	8	96	0.00	0.0	4.547	0.044	10	3	4	8
PL.1645	PL.1644	A	#4 ACSR	7.10Y	118.3	0.00	6.72	2.45	2	17	5	96	0.00	0.0	4.568	0.021	17	5	4	4
PL.1625	PL.1623	A	#4 ACSR	7.10Y	118.3	0.00	6.71	2.58	2	18	5	96	0.00	0.0	4.518	0.058	18	5	3	3
PL.1626	PL.1623	A	#4 ACSR	7.09Y	118.2	0.06	6.76	17.52	13	120	33	96	0.06	0.0	4.535	0.075	0	0	0	25
PL.1628	PL.1626	A	#4 ACSR	7.09Y	118.2	0.00	6.76	0.58	0	4	1	97	0.00	0.0	4.570	0.034	4	1	2	2
PL.1627	PL.1626	A	#4 ACSR	7.09Y	118.2	0.01	6.77	16.93	13	116	32	96	0.01	0.0	4.552	0.017	0	0	0	23
PL.1629	PL.1627	A	#4 ACSR	7.09Y	118.2	0.03	6.80	16.93	13	116	32	96	0.02	0.0	4.589	0.037	10	3	3	23
PL.1630	PL.1629	A	#4 ACSR	7.09Y	118.2	0.03	6.83	14.86	11	101	28	96	0.02	0.0	4.635	0.046	0	0	0	19
PL.1632	PL.1630	A	#4 ACSR	7.09Y	118.1	0.02	6.85	14.86	11	101	28	96	0.02	0.0	4.670	0.036	7	2	2	19

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Balanced Voltage Drop Report
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Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.1633	PL.1632	A	#4 ACSR	7.09Y	118.1	0.03	6.88	13.80	11	94	26	96	0.02	0.0	4.720	0.050	3	1	1	17
PL.1634	PL.1633	A	#4 ACSR	7.09Y	118.1	0.02	6.90	13.33	10	91	25	96	0.01	0.0	4.757	0.037	5	1	4	16
PL.1635	PL.1634	A	#4 ACSR	7.08Y	118.1	0.03	6.93	12.61	10	86	24	96	0.02	0.0	4.808	0.051	10	3	1	12
PL.1636	PL.1635	A	#4 ACSR	7.08Y	118.1	0.01	6.94	11.09	9	76	21	96	0.01	0.0	4.836	0.028	25	7	3	11
PL.1637	PL.1636	A	#4 ACSR	7.08Y	118.0	0.02	6.96	7.49	6	51	14	96	0.01	0.0	4.887	0.051	8	2	2	8
PL.1638	PL.1637	A	#4 ACSR	7.08Y	118.0	0.02	6.97	6.28	5	43	12	96	0.01	0.0	4.944	0.057	0	0	0	6
PL.1639	PL.1638	A	#4 ACSR	7.08Y	118.0	0.00	6.98	4.29	3	29	8	96	0.00	0.0	4.978	0.034	18	5	2	4
PL.1641	PL.1639	A	#4 ACSR	7.08Y	118.0	0.00	6.98	1.59	1	11	3	96	0.00	0.0	5.029	0.052	9	2	1	2
PL.1642	PL.1641	A	#4 ACSR	7.08Y	118.0	0.00	6.98	0.28	0	2	1	89	0.00	0.0	5.064	0.034	2	1	1	1
PL.1643	PL.1642	A	#4 ACSR	7.08Y	118.0	0.00	6.98	0.00	0	0	0	100	0.00	0.0	5.121	0.057	0	0	0	0
PL.1640	PL.1638	A	#4 ACSR	7.08Y	118.0	0.00	6.98	1.99	2	14	4	96	0.00	0.0	4.989	0.046	14	4	2	2
PL.1631	PL.1629	A	#4 ACSR	7.09Y	118.2	0.00	6.80	0.55	0	4	1	97	0.00	0.0	4.667	0.078	4	1	1	1
PL.1617	PL.2005	A	#4 ACSR	7.11Y	118.5	0.01	6.50	4.77	4	33	9	96	0.00	0.0	4.375	0.080	15	4	2	4
PL.1619	PL.1617	A	#4 ACSR	7.11Y	118.5	0.00	6.50	1.38	1	9	3	95	0.00	0.0	4.416	0.041	9	3	1	1
PL.1618	PL.1617	A	#4 ACSR	7.11Y	118.5	0.00	6.50	1.19	1	8	2	97	0.00	0.0	4.394	0.019	8	2	1	1
PL.2118	PD.302	A	#4 ACSR	7.12Y	118.6	0.00	6.37	1.41	1	10	3	96	0.00	0.0	4.232	0.006	0	0	0	4
PL.1614	PL.2118	A	#4 ACSR	7.12Y	118.6	0.00	6.37	1.41	1	10	3	96	0.00	0.0	4.260	0.028	7	2	3	4
PL.1615	PL.1614	A	#4 ACSR	7.12Y	118.6	0.00	6.37	0.38	0	3	1	95	0.00	0.0	4.287	0.027	3	1	1	1
PL.2350	PL.2123	C	#4 ACSR	7.13Y	118.9	0.00	6.12	1.80	1	12	3	97	0.00	0.0	3.766	0.005	0	0	0	3
PD.248	PL.2350	C	40QA	7.13Y	118.9	0.00	6.12	1.80	4	12	3	97	0.00	0.0	3.766	0.005	0	0	0	3
PL.2351	PD.248	C	#4 ACSR	7.13Y	118.9	0.00	6.12	1.80	1	12	3	97	0.00	0.0	3.807	0.041	12	3	3	3
PL.2348	PL.2124	A	#2 ACSR	7.13Y	118.9	0.00	6.10	0.28	0	2	1	89	0.00	0.0	3.739	0.005	0	0	0	1
PD.247	PL.2348	A	40QA	7.13Y	118.9	0.00	6.10	0.28	1	2	1	89	0.00	0.0	3.739	0.005	0	0	0	1
PL.2349	PD.247	A	#2 ACSR	7.13Y	118.9	0.00	6.10	0.28	0	2	1	89	0.00	0.0	3.752	0.013	2	1	1	1
PL.2496	PL.2126	C	#2 ACSR	7.14Y	119.0	0.00	6.02	1.70	1	12	3	97	0.00	0.0	3.587	0.005	0	0	0	1
PD.319	PL.2496	C	40QA	7.14Y	119.0	0.00	6.02	1.70	4	12	3	97	0.00	0.0	3.587	0.005	0	0	0	1
PL.2497	PD.319	C	#2 ACSR	7.14Y	119.0	0.01	6.03	1.70	1	12	3	97	0.00	0.0	3.683	0.096	0	0	0	1
PL.1608	PL.2497	C	#2 ACSR	7.14Y	119.0	0.00	6.03	1.70	1	12	3	97	0.00	0.0	3.740	0.057	12	3	1	1
PL.2346	PL.2126	A	#2 ACSR	7.14Y	119.0	0.00	6.02	0.81	0	6	2	95	0.00	0.0	3.587	0.005	0	0	0	2
PD.246	PL.2346	A	40QA	7.14Y	119.0	0.00	6.02	0.81	2	6	2	95	0.00	0.0	3.587	0.005	0	0	0	2
PL.2347	PD.246	A	#2 ACSR	7.14Y	119.0	0.00	6.02	0.81	0	6	2	95	0.00	0.0	3.598	0.011	6	2	2	2

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

Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.1606	PL.2127	A	#4 ACSR	7.14Y	119.1	0.00	5.94	1.75	1	12	3	97	0.00	0.0	3.433	0.005	0	0	0	2
PD.245	PL.1606	A	40QA	7.14Y	119.1	0.00	5.94	1.75	4	12	3	97	0.00	0.0	3.433	0.005	0	0	0	2
PL.2010	PD.245	A	#4 ACSR	7.14Y	119.1	0.00	5.94	1.75	1	12	3	97	0.00	0.0	3.442	0.008	12	3	2	2
PL.2344	PL.4469	C	#4 ACSR	7.15Y	119.1	0.00	5.92	0.50	0	3	1	95	0.00	0.0	3.380	0.005	0	0	0	1
PD.244	PL.2344	C	40QA	7.15Y	119.1	0.00	5.92	0.50	1	3	1	95	0.00	0.0	3.380	0.005	0	0	0	1
PL.2345	PD.244	C	#4 ACSR	7.15Y	119.1	0.00	5.92	0.50	0	3	1	95	0.00	0.0	3.404	0.024	3	1	1	1
PL.2342	PL.2131	C	#2 ACSR	7.16Y	119.3	0.00	5.73	1.56	1	11	3	96	0.00	0.0	3.177	0.005	0	0	0	2
PD.243	PL.2342	C	40QA	7.16Y	119.3	0.00	5.73	1.56	4	11	3	96	0.00	0.0	3.177	0.005	0	0	0	2
PL.2343	PD.243	C	#2 ACSR	7.16Y	119.3	0.00	5.73	1.56	1	11	3	96	0.00	0.0	3.213	0.035	6	2	1	2
PL.1605	PL.2343	C	#2 ACSR	7.16Y	119.3	0.00	5.73	0.67	0	5	1	98	0.00	0.0	3.258	0.045	5	1	1	1
PL.2494	PL.2131	A	#4 ACSR	7.16Y	119.3	0.00	5.73	2.72	2	19	5	97	0.00	0.0	3.177	0.004	0	0	0	5
PD.318	PL.2494	A	15T	7.16Y	119.3	0.00	5.73	2.72	0	19	5	97	0.00	0.0	3.177	0.004	0	0	0	5
PL.2495	PD.318	A	#4 ACSR	7.16Y	119.3	0.00	5.73	2.72	2	19	5	97	0.00	0.0	3.196	0.019	19	5	5	5
PL.2340	PL.1579	B	#1/0 ACSR	7.18Y	119.6	0.00	5.37	1.52	1	10	3	96	0.00	0.0	2.956	0.004	0	0	0	1
PD.242	PL.2340	B	40QA	7.18Y	119.6	0.00	5.37	1.52	4	10	3	96	0.00	0.0	2.956	0.004	0	0	0	1
PL.2341	PD.242	B	#1/0 ACSR	7.18Y	119.6	0.00	5.37	1.52	1	10	3	96	0.00	0.0	2.968	0.012	0	0	0	1
PL.2185	PL.2341	B	#1/0 ACSR	7.18Y	119.6	0.00	5.37	1.52	1	10	3	96	0.00	0.0	2.993	0.025	10	3	1	1
PL.2324	PL.1564	C	#1/0 ACSR	7.22Y	120.3	0.00	4.69	1.51	1	11	3	96	0.00	0.0	2.551	0.005	0	0	0	3
PD.234	PL.2324	C	40QA	7.22Y	120.3	0.00	4.69	1.51	4	11	3	96	0.00	0.0	2.551	0.005	0	0	0	3
PL.2325	PD.234	C	#1/0 ACSR	7.22Y	120.3	0.00	4.69	1.51	1	11	3	96	0.00	0.0	2.592	0.041	2	1	1	3
PL.1569	PL.2325	C	#1/0 ACSR	7.22Y	120.3	0.00	4.69	1.25	1	9	2	98	0.00	0.0	2.615	0.024	9	2	2	2
PL.2336	PL.1550	C	#1/0 ACSR	7.25Y	120.8	0.00	4.25	11.07	5	77	22	96	0.00	0.0	2.284	0.005	0	0	0	11
PD.240	PL.2336	C	40QA	7.25Y	120.8	0.00	4.25	11.07	28	77	22	96	0.00	0.0	2.284	0.005	0	0	0	11
PL.2337	PD.240	C	#1/0 ACSR	7.24Y	120.7	0.01	4.26	11.07	5	77	22	96	0.01	0.0	2.330	0.047	11	3	1	11
PL.1553	PL.2337	C	#1/0 ACSR	7.24Y	120.7	0.01	4.27	9.49	4	66	18	96	0.00	0.0	2.358	0.028	2	1	1	10
PL.1554	PL.1553	C	#1/0 ACSR	7.24Y	120.7	0.01	4.27	5.34	2	37	10	97	0.00	0.0	2.465	0.107	28	8	2	3
PL.1558	PL.1554	C	6 A (CWC)	7.24Y	120.7	0.00	4.28	1.27	1	9	2	98	0.00	0.0	2.548	0.083	9	2	1	1
PL.1555	PL.1553	C	#4 ACSR	7.24Y	120.7	0.00	4.27	3.84	3	27	7	97	0.00	0.0	2.385	0.027	4	1	3	6
PL.1559	PL.1555	C	#1/0 ACSR	7.24Y	120.7	0.00	4.27	3.23	1	23	6	97	0.00	0.0	2.443	0.058	0	0	0	3
PL.1560	PL.1559	C	#1/0 ACSR	7.24Y	120.7	0.00	4.28	3.23	1	23	6	97	0.00	0.0	2.527	0.084	17	5	2	3
PL.1561	PL.1560	C	#1/0 ACSR	7.24Y	120.7	0.00	4.28	0.82	0	6	2	95	0.00	0.0	2.570	0.043	6	2	1	1

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

Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.2332	PL.1547	A	#1/0 ACSR	7.26Y	121.0	0.00	4.00	1.67	1	12	3	97	0.00	0.0	2.140	0.005	0	0	0	2
PD.238	PL.2332	A	40QA	7.26Y	121.0	0.00	4.00	1.67	4	12	3	97	0.00	0.0	2.140	0.005	0	0	0	2
PL.2333	PD.238	A	#1/0 ACSR	7.26Y	121.0	0.00	4.00	1.67	1	12	3	97	0.00	0.0	2.149	0.008	12	3	2	2
PL.2330	PL.1541	A	#1/0 ACSR	7.28Y	121.4	0.00	3.63	1.31	1	9	3	95	0.00	0.0	1.922	0.004	0	0	0	1
PD.237	PL.2330	A	40QA	7.28Y	121.4	0.00	3.63	1.31	3	9	3	95	0.00	0.0	1.922	0.004	0	0	0	1
PL.2331	PD.237	A	#1/0 ACSR	7.28Y	121.4	0.00	3.63	1.31	1	9	3	95	0.00	0.0	1.956	0.034	9	3	1	1
PL.4466	PL.1529	A	#1/0 ACSR	7.30Y	121.6	0.00	3.39	0.00	0	0	0	100	0.00	0.0	1.786	0.004	0	0	0	0
PD.1295	PL.4466	A	40QA	7.30Y	121.6	0.00	3.39	0.00	0	0	0	100	0.00	0.0	1.786	0.004	0	0	0	0
PL.4467	PD.1295	A	#1/0 ACSR	7.30Y	121.6	0.00	3.39	0.00	0	0	0	100	0.00	0.0	1.809	0.023	0	0	0	0
PL.4464	PL.1529	C	#1/0 ACSR	7.30Y	121.6	0.00	3.39	1.39	1	10	3	96	0.00	0.0	1.786	0.003	0	0	0	2
PD.1294	PL.4464	C	40QA	7.30Y	121.6	0.00	3.39	1.39	3	10	3	96	0.00	0.0	1.786	0.003	0	0	0	2
PL.4465	PD.1294	C	#1/0 ACSR	7.30Y	121.6	0.00	3.39	1.39	1	10	3	96	0.00	0.0	1.820	0.034	10	3	2	2
PL.2484	PL.1522	C	6 A (CWC)	7.30Y	121.7	0.00	3.25	2.78	2	20	5	97	0.00	0.0	1.706	0.005	0	0	0	5
PD.313	PL.2484	C	40QA	7.30Y	121.7	0.00	3.25	2.78	7	20	5	97	0.00	0.0	1.706	0.005	0	0	0	5
PL.2485	PD.313	C	6 A (CWC)	7.30Y	121.7	0.01	3.27	2.78	2	20	5	97	0.00	0.0	1.819	0.113	0	0	0	5
PL.2011	PL.2485	C	6 A (CWC)	7.30Y	121.7	0.01	3.28	2.78	2	20	5	97	0.00	0.0	1.935	0.115	2	1	1	5
PL.1537	PL.2011	C	6 A (CWC)	7.30Y	121.7	0.01	3.29	2.52	2	18	5	96	0.00	0.0	2.030	0.095	6	2	1	4
PL.1538	PL.1537	C	6 A (CWC)	7.30Y	121.7	0.00	3.29	1.67	1	12	3	97	0.00	0.0	2.118	0.088	12	3	3	3
PL.2290	PL.1511	A	#1/0 ACSR	7.32Y	121.9	0.00	3.07	2.41	1	17	5	96	0.00	0.0	1.604	0.005	0	0	0	2
PD.218	PL.2290	A	40QA	7.32Y	121.9	0.00	3.07	2.41	6	17	5	96	0.00	0.0	1.604	0.005	0	0	0	2
PL.2291	PD.218	A	#1/0 ACSR	7.32Y	121.9	0.00	3.07	2.41	1	17	5	96	0.00	0.0	1.626	0.022	9	3	1	2
PL.1521	PL.2291	A	#4 ACSR	7.32Y	121.9	0.00	3.07	1.13	1	8	2	97	0.00	0.0	1.676	0.050	8	2	1	1
PL.2544	PL.1510	ABC	#1/0 ACSR	7.32Y	122.0	0.00	3.01	5.62	2	115	45	93	0.00	0.0	1.567	0.005	0	0	0	9
PD.343	PL.2544	ABC	25T	7.32Y	122.0	0.00	3.01	5.62	0	115	45	93	0.00	0.0	1.567	0.005	0	0	0	9
PL.2545	PD.343	ABC	#1/0 ACSR	7.32Y	122.0	0.00	3.01	5.62	2	115	45	93	0.00	0.0	1.596	0.028	0	0	0	9
PL.1523	PL.2545	C	#4 ACSR	7.32Y	122.0	0.00	3.01	3.03	2	21	6	96	0.00	0.0	1.629	0.034	21	6	3	3
PL.1525	PL.2545	ABC	8 A (CWC)	7.32Y	122.0	0.01	3.02	4.62	5	94	39	92	0.01	0.0	1.624	0.029	17	5	2	6
PL.1524	PL.1525	ABC	8 A (CWC)	7.32Y	122.0	0.02	3.03	3.81	4	76	35	91	0.01	0.0	1.702	0.078	7	2	1	4
PL.1530	PL.1524	ABC	8 A (CWC)	7.32Y	122.0	0.00	3.04	3.47	3	69	33	90	0.00	0.0	1.721	0.019	0	0	0	3
PL.1531	PL.1530	ABC	8 A (CWC)	7.32Y	122.0	0.00	3.04	3.34	3	66	32	90	0.00	0.0	1.741	0.020	0	0	0	2
PL.1533	PL.1531	ABC	8 A (CWC)	7.32Y	122.0	0.00	3.04	0.00	0	0	0	100	0.00	0.0	1.765	0.023	0	0	0	0

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

Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.1534	PL.1531	ABC	#1/0 ACSR	7.32Y	122.0	0.00	3.04	3.34	1	66	32	90	0.00	0.0	1.788	0.047	2	0	1	2
PL.1535	PL.1534	ABC	#1/0 ACSR	7.32Y	122.0	0.00	3.05	3.27	1	65	31	90	0.00	0.0	1.817	0.029	0	0	0	1
PL.1536	PL.1535	ABC	#1/0 ACSR	7.32Y	122.0	0.00	3.05	3.27	1	65	31	90	0.00	0.0	1.841	0.024	65	31	1	1
PL.2294	PL.1530	C	#1/0 ACSR	7.32Y	122.0	0.00	3.04	0.40	0	3	1	95	0.00	0.0	1.726	0.005	0	0	0	1
PD.220	PL.2294	C	40QA	7.32Y	122.0	0.00	3.04	0.40	1	3	1	95	0.00	0.0	1.726	0.005	0	0	0	1
PL.2295	PD.220	C	#1/0 ACSR	7.32Y	122.0	0.00	3.04	0.40	0	3	1	95	0.00	0.0	1.752	0.027	0	0	0	1
PL.1532	PL.2295	C	#1/0 ACSR	7.32Y	122.0	0.00	3.04	0.40	0	3	1	95	0.00	0.0	1.782	0.029	3	1	1	1
PL.2482	PL.1510	A	#1/0 ACSR	7.32Y	122.0	0.00	3.01	4.03	2	28	8	96	0.00	0.0	1.567	0.005	0	0	0	7
PD.312	PL.2482	A	25T	7.32Y	122.0	0.00	3.01	4.03	0	28	8	96	0.00	0.0	1.567	0.005	0	0	0	7
PL.2483	PD.312	A	#1/0 ACSR	7.32Y	122.0	0.00	3.01	4.03	2	28	8	96	0.00	0.0	1.606	0.039	0	0	0	7
PL.1512	PL.2483	A	8 A (CWC)	7.32Y	122.0	0.03	3.04	4.03	4	28	8	96	0.01	0.0	1.704	0.098	0	0	0	7
PL.1513	PL.1512	A	8 A (CWC)	7.32Y	121.9	0.02	3.06	4.03	4	28	8	96	0.01	0.0	1.797	0.092	0	0	1	7
PL.1514	PL.1513	A	#4 ACSR	7.32Y	121.9	0.01	3.07	4.00	3	28	8	96	0.00	0.0	1.838	0.042	14	4	1	6
PL.1515	PL.1514	A	#4 ACSR	7.32Y	121.9	0.00	3.07	2.04	2	14	4	96	0.00	0.0	1.874	0.036	0	0	0	5
PL.1516	PL.1515	A	#2 ACSR	7.32Y	121.9	0.00	3.07	0.77	0	5	2	93	0.00	0.0	1.911	0.036	0	0	0	1
PL.1517	PL.1516	A	#2 ACSR	7.32Y	121.9	0.00	3.07	0.77	0	5	2	93	0.00	0.0	1.978	0.068	5	2	1	1
PL.1518	PL.1515	A	#4 ACSR	7.32Y	121.9	0.00	3.07	1.26	1	9	2	98	0.00	0.0	1.911	0.036	3	1	2	4
PL.1519	PL.1518	A	#2 ACSR	7.32Y	121.9	0.00	3.07	0.89	1	6	2	95	0.00	0.0	1.981	0.071	0	0	0	2
PL.1520	PL.1519	A	#2 ACSR	7.32Y	121.9	0.00	3.07	0.89	1	6	2	95	0.00	0.0	2.011	0.030	6	2	2	2
PL.2288	PL.2141	C	#1/0 ACSR	7.33Y	122.2	0.00	2.78	2.93	1	21	6	96	0.00	0.0	1.444	0.005	0	0	0	7
PD.217	PL.2288	C	40QA	7.33Y	122.2	0.00	2.78	2.93	7	21	6	96	0.00	0.0	1.444	0.005	0	0	0	7
PL.2289	PD.217	C	#1/0 ACSR	7.33Y	122.2	0.00	2.78	2.93	1	21	6	96	0.00	0.0	1.458	0.014	5	1	3	7
PL.2142	PL.2289	C	#1/0 ACSR	7.33Y	122.2	0.00	2.78	2.19	1	15	4	97	0.00	0.0	1.464	0.006	0	0	0	4
PL.1508	PL.2142	C	8 A (CWC)	7.33Y	122.2	0.00	2.79	2.19	2	15	4	97	0.00	0.0	1.509	0.045	15	4	4	4
PL.2286	PL.1581	A	#4 ACSR	7.37Y	122.8	0.00	2.20	0.00	0	0	0	100	0.00	0.0	1.131	0.005	0	0	0	0
PD.216	PL.2286	A	50QA	7.37Y	122.8	0.00	2.20	0.00	0	0	0	100	0.00	0.0	1.131	0.005	0	0	0	0
PL.2287	PD.216	A	#4 ACSR	7.37Y	122.8	0.00	2.20	0.00	0	0	0	100	0.00	0.0	1.163	0.032	0	0	0	0
PL.2488	PL.1580	C	#1/0 ACSR	7.38Y	123.0	0.00	2.03	1.82	1	13	4	96	0.00	0.0	1.036	0.005	0	0	0	2
PD.315	PL.2488	C	40QA	7.38Y	123.0	0.00	2.03	1.82	5	13	4	96	0.00	0.0	1.036	0.005	0	0	0	2
PL.2489	PD.315	C	#1/0 ACSR	7.38Y	123.0	0.00	2.03	1.82	1	13	4	96	0.00	0.0	1.068	0.031	13	4	2	2
PL.1467	PL.1466	ABC	#1/0 ACSR	7.42Y	123.6	0.00	1.39	4.50	2	96	27	96	0.00	0.0	0.693	0.005	0	0	0	28

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

Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% 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.341	PL.1467	ABC	50QA	7.42Y	123.6	0.00	1.39	4.50	9	96	27	96	0.00	0.0	0.693	0.005	0	0	0	28
PL.2003	PD.341	ABC	#1/0 ACSR	7.42Y	123.6	0.00	1.39	4.50	2	96	27	96	0.00	0.0	0.703	0.010	1	0	1	28
PL.1469	PL.2003	A	8 A (CWC)	7.41Y	123.6	0.05	1.44	13.36	13	95	27	96	0.04	0.0	0.757	0.053	0	0	0	27
PL.1471	PL.1469	A	#4 ACSR	7.41Y	123.6	0.00	1.44	1.59	1	11	3	96	0.00	0.0	0.777	0.021	11	3	2	2
PL.1474	PL.1469	A	8 A (CWC)	7.41Y	123.5	0.10	1.54	11.77	12	84	23	96	0.06	0.1	0.895	0.138	11	3	5	25
PL.1475	PL.1474	A	8 A (CWC)	7.41Y	123.4	0.03	1.56	10.19	10	73	20	96	0.01	0.0	0.933	0.038	0	0	0	20
PL.1476	PL.1475	A	8 A (CWC)	7.40Y	123.4	0.03	1.60	10.19	10	73	20	96	0.02	0.0	0.983	0.050	4	1	1	20
PL.1477	PL.1476	A	8 A (CWC)	7.40Y	123.3	0.10	1.69	9.62	10	69	19	96	0.05	0.1	1.138	0.154	1	0	1	19
PL.1479	PL.1477	A	8 A (CWC)	7.40Y	123.3	0.03	1.72	9.45	9	67	19	96	0.02	0.0	1.184	0.046	0	0	0	18
PL.1480	PL.1479	A	8 A (CWC)	7.39Y	123.2	0.03	1.76	9.45	9	67	19	96	0.02	0.0	1.239	0.055	0	0	0	18
PL.1482	PL.1480	A	8 A (CWC)	7.39Y	123.2	0.00	1.76	9.45	9	67	19	96	0.00	0.0	1.241	0.002	0	0	0	18
PL.1483	PL.1482	A	6 A (CWC)	7.39Y	123.2	0.04	1.80	9.45	7	67	19	96	0.02	0.0	1.345	0.103	4	1	2	18
PL.1484	PL.1483	A	6 A (CWC)	7.39Y	123.2	0.03	1.83	8.89	6	63	18	96	0.01	0.0	1.422	0.077	13	3	3	16
PL.1485	PL.1484	A	6 A (CWC)	7.39Y	123.1	0.03	1.86	7.13	5	51	14	96	0.01	0.0	1.525	0.104	3	1	1	13
PL.1486	PL.1485	A	6 A (CWC)	7.39Y	123.1	0.03	1.90	6.75	5	48	13	97	0.01	0.0	1.628	0.103	0	0	0	12
PL.1487	PL.1486	A	6 A (CWC)	7.38Y	123.1	0.04	1.94	6.75	5	48	13	97	0.01	0.0	1.766	0.139	7	2	1	12
PL.1489	PL.1487	A	8 A (CWC)	7.38Y	123.0	0.02	1.96	4.92	5	35	10	96	0.01	0.0	1.843	0.077	9	3	3	10
PL.1490	PL.1489	A	8 A (CWC)	7.38Y	123.0	0.03	1.98	3.59	4	26	7	97	0.01	0.0	1.955	0.112	0	0	0	7
PL.1493	PL.1490	A	8 A (CWC)	7.38Y	123.0	0.00	1.99	2.40	2	17	5	96	0.00	0.0	2.006	0.051	17	5	3	3
PL.1492	PL.1490	A	#4 ACSR	7.38Y	123.0	0.00	1.99	1.19	1	8	2	97	0.00	0.0	2.003	0.048	8	2	4	4
PL.10156	PL.1487	A	#1/0 ACSR	7.38Y	123.1	0.00	1.94	0.89	0	6	2	95	0.00	0.0	1.794	0.028	6	2	1	1
PL.1481	PL.1480	A	#4 ACSR	7.39Y	123.2	0.00	1.76	0.00	0	0	0	100	0.00	0.0	1.281	0.042	0	0	0	0
PL.2478	PL.1465	B	#1/0 ACSR	7.42Y	123.7	0.00	1.33	0.17	0	1	0	100	0.00	0.0	0.662	0.005	0	0	0	1
PD.310	PL.2478	B	40QA	7.42Y	123.7	0.00	1.33	0.17	0	1	0	100	0.00	0.0	0.662	0.005	0	0	0	1
PL.2479	PD.310	B	#1/0 ACSR	7.42Y	123.7	0.00	1.33	0.17	0	1	0	100	0.00	0.0	0.675	0.012	1	0	1	1
PL.2410	PL.1399	C	#2 ACSR	7.43Y	123.9	0.00	1.13	2.72	2	19	5	97	0.00	0.0	0.557	0.005	0	0	0	3
PD.275	PL.2410	C	30T	7.43Y	123.9	0.00	1.13	2.72	0	19	5	97	0.00	0.0	0.557	0.005	0	0	0	3
PL.2411	PD.275	C	#2 ACSR	7.43Y	123.9	0.00	1.13	2.72	2	19	5	97	0.00	0.0	0.573	0.017	10	3	2	3
PL.1460	PL.2411	C	#2 ACSR	7.43Y	123.9	0.00	1.13	1.36	1	10	3	96	0.00	0.0	0.617	0.044	0	0	0	1
PL.1461	PL.1460	C	#4 ACSR	7.43Y	123.9	0.00	1.13	1.36	1	10	3	96	0.00	0.0	0.664	0.047	10	3	1	1
PL.1583	PL.1393	ABC	336 MCM AC	7.45Y	124.2	0.00	0.81	15.59	3	336	94	96	0.00	0.0	0.405	0.015	0	0	0	92

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.2554	PL.1583	B	8 A (CWC)	7.45Y	124.2	0.01	0.82	46.77	47	336	94	96	0.02	0.0	0.407	0.003	0	0	0	92
PD.350	PL.2554	B	70L	7.45Y	124.2	0.00	0.82	46.77	67	336	94	96	0.00	0.0	0.407	0.003	0	0	0	92
PL.2555	PD.350	B	8 A (CWC)	7.44Y	124.0	0.14	0.96	46.77	47	336	94	96	0.36	0.1	0.453	0.046	17	5	5	92
PL.1421	PL.2555	B	8 A (CWC)	7.43Y	123.9	0.15	1.11	42.20	42	302	85	96	0.36	0.1	0.507	0.054	0	0	1	84
PL.1425	PL.1421	B	8 A (CWC)	7.43Y	123.8	0.10	1.21	42.16	42	302	84	96	0.23	0.1	0.546	0.039	35	10	5	83
PL.1426	PL.1425	B	8 A (CWC)	7.42Y	123.7	0.13	1.34	37.23	37	266	74	96	0.27	0.1	0.599	0.052	6	2	3	78
PL.1429	PL.1426	B	8 A (CWC)	7.42Y	123.7	0.00	1.34	0.81	1	6	2	95	0.00	0.0	0.641	0.042	4	1	1	2
PL.1433	PL.1429	B	8 A (CWC)	7.42Y	123.7	0.00	1.35	0.27	0	2	1	89	0.00	0.0	0.676	0.035	2	1	1	1
PL.1434	PL.1433	B	8 A (CWC)	7.42Y	123.7	0.00	1.35	0.00	0	0	0	100	0.00	0.0	0.741	0.065	0	0	0	0
PL.1428	PL.1426	B	8 A (CWC)	7.42Y	123.7	0.00	1.35	1.28	1	9	3	95	0.00	0.0	0.647	0.048	9	3	1	1
PL.1432	PL.1428	B	8 A (CWC)	7.42Y	123.7	0.00	1.35	0.00	0	0	0	100	0.00	0.0	0.649	0.002	0	0	0	0
PL.1427	PL.1426	B	8 A (CWC)	7.42Y	123.6	0.06	1.40	34.30	34	245	69	96	0.11	0.0	0.624	0.025	4	1	3	72
PL.1430	PL.1427	B	8 A (CWC)	7.41Y	123.4	0.15	1.55	33.72	34	241	67	96	0.29	0.1	0.694	0.071	13	4	6	69
PL.1438	PL.1430	B	8 A (CWC)	7.40Y	123.3	0.12	1.67	29.67	30	212	59	96	0.20	0.1	0.754	0.060	2	0	1	60
PL.1439	PL.1438	B	8 A (CWC)	7.39Y	123.2	0.11	1.78	29.45	29	210	59	96	0.17	0.1	0.814	0.060	28	8	6	59
PL.1440	PL.1439	B	8 A (CWC)	7.39Y	123.1	0.11	1.89	24.35	24	173	48	96	0.15	0.1	0.884	0.070	10	3	3	52
PL.4514	PL.1440	B	8 A (CWC)	7.39Y	123.1	0.01	1.90	3.93	4	28	8	96	0.00	0.0	0.915	0.031	10	3	1	12
PL.4515	PL.4514	B	8 A (CWC)	7.38Y	123.1	0.02	1.92	2.46	2	18	5	96	0.00	0.0	1.045	0.130	0	0	0	11
PL.1445	PL.4515	B	8 A (CWC)	7.38Y	123.1	0.00	1.93	0.69	1	5	1	98	0.00	0.0	1.139	0.094	0	0	0	2
PL.1448	PL.1445	B	8 A (CWC)	7.38Y	123.1	0.00	1.93	0.69	1	5	1	98	0.00	0.0	1.192	0.053	5	1	2	2
PL.1446	PL.4515	B	#4 ACSR	7.38Y	123.1	0.00	1.92	1.77	1	13	4	96	0.00	0.0	1.089	0.044	8	2	7	9
PL.1447	PL.1446	B	#4 ACSR	7.38Y	123.1	0.00	1.92	0.68	1	5	1	98	0.00	0.0	1.142	0.053	5	1	2	2
PL.1449	PL.1447	B	#4 ACSR	7.38Y	123.1	0.00	1.92	0.00	0	0	0	100	0.00	0.0	1.217	0.076	0	0	0	0
PL.1443	PL.1440	B	8 A (CWC)	7.38Y	123.1	0.04	1.93	18.98	19	135	38	96	0.04	0.0	0.913	0.028	7	2	1	37
PL.2220	PL.1443	B	8 A (CWC)	7.38Y	123.0	0.04	1.97	17.93	18	128	36	96	0.04	0.0	0.945	0.032	9	2	2	36
PL.2221	PL.2220	B	8 A (CWC)	7.38Y	123.0	0.05	2.02	16.70	17	119	33	96	0.05	0.0	0.990	0.045	4	1	1	34
PL.1451	PL.2221	B	8 A (CWC)	7.38Y	123.0	0.02	2.04	16.10	16	114	32	96	0.02	0.0	1.013	0.022	27	7	4	33
PL.1452	PL.1451	B	#2 ACSR	7.38Y	123.0	0.00	2.04	0.00	0	0	0	100	0.00	0.0	1.064	0.051	0	0	1	1
PL.1453	PL.1451	B	8 A (CWC)	7.38Y	122.9	0.03	2.07	12.33	12	88	24	96	0.02	0.0	1.058	0.045	38	11	12	28
PL.1454	PL.1453	B	8 A (CWC)	7.37Y	122.9	0.02	2.09	6.95	7	49	14	96	0.01	0.0	1.119	0.061	25	7	7	16
PL.1455	PL.1454	B	8 A (CWC)	7.37Y	122.9	0.00	2.09	1.92	2	14	4	96	0.00	0.0	1.147	0.028	8	2	3	7

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.2222	PL.1455	B	8 A (CWC)	7.37Y	122.9	0.00	2.09	0.82	1	6	2	95	0.00	0.0	1.208	0.062	0	0	1	4
PL.2223	PL.2222	B	8 A (CWC)	7.37Y	122.9	0.00	2.09	0.82	1	6	2	95	0.00	0.0	1.293	0.084	6	2	2	3
PL.2224	PL.2223	B	8 A (CWC)	7.37Y	122.9	0.00	2.09	0.02	0	0	0	100	0.00	0.0	1.379	0.086	0	0	0	1
PL.1458	PL.2224	B	8 A (CWC)	7.37Y	122.9	0.00	2.10	0.02	0	0	0	100	0.00	0.0	1.491	0.112	0	0	1	1
PL.1456	PL.1454	B	#4 ACSR	7.37Y	122.9	0.00	2.09	1.48	1	10	3	96	0.00	0.0	1.140	0.021	10	3	2	2
PL.1457	PL.1456	B	#4 ACSR	7.37Y	122.9	0.00	2.09	0.00	0	0	0	100	0.00	0.0	1.185	0.045	0	0	0	0
PL.1441	PL.1439	B	8 A (CWC)	7.39Y	123.2	0.00	1.78	1.10	1	8	2	97	0.00	0.0	0.857	0.043	8	2	1	1
PL.1436	PL.1430	B	#4 ACSR	7.41Y	123.4	0.00	1.56	2.23	2	16	4	97	0.00	0.0	0.722	0.027	0	0	0	3
PL.1435	PL.1436	B	#4 ACSR	7.41Y	123.4	0.00	1.56	2.23	2	16	4	97	0.00	0.0	0.750	0.028	4	1	1	3
PL.1437	PL.1435	B	#4 ACSR	7.41Y	123.4	0.00	1.56	1.70	1	12	3	97	0.00	0.0	0.816	0.066	12	3	2	2
PL.1420	PL.2555	B	#4 ACSR	7.44Y	124.0	0.00	0.96	2.22	2	16	4	97	0.00	0.0	0.466	0.013	0	0	0	3
PL.1422	PL.1420	B	#4 ACSR	7.44Y	124.0	0.01	0.97	2.22	2	16	4	97	0.00	0.0	0.539	0.073	0	0	1	3
PL.1423	PL.1422	B	#1/0 ACSR	7.44Y	124.0	0.00	0.97	0.98	0	7	2	96	0.00	0.0	0.594	0.055	7	2	1	1
PL.1424	PL.1422	B	#2 ACSR	7.44Y	124.0	0.00	0.97	1.23	1	9	2	98	0.00	0.0	0.570	0.031	9	2	1	1
PL.3087	Goose Rock	ABC	#4/0 ACSR	7.50Y	125.0	0.00	0.00	80.58	24	1724	562	95	0.04	0.0	0.005	0.005	0	0	0	387
PL.7161	PL.3087	ABC	#4/0 ACSR	7.50Y	125.0	0.00	0.01	80.58	24	1723	562	95	0.01	0.0	0.006	0.001	0	0	0	387
---------- Feeder No. 4 (Schoolhouse F4) Beginning with Device PD.1529 ----------																				
PD.1529	PL.7161	ABC	480VWE	7.50Y	125.0	0.00	0.01	80.58	0	1723	562	95	0.00	0.0	0.006	0.001	0	0	0	387
PL.7162	PD.1529	ABC	#4/0 ACSR	7.50Y	125.0	0.00	0.01	80.58	24	1723	562	95	0.05	0.0	0.011	0.005	0	0	0	387
PL.3992	PL.7162	ABC	#4/0 ACSR	7.49Y	124.9	0.09	0.10	80.58	24	1723	562	95	0.86	0.0	0.110	0.099	0	0	0	387
PL.3490	PL.3992	C	6 A (CWC)	7.49Y	124.9	0.00	0.10	0.39	0	3	1	95	0.00	0.0	0.115	0.005	0	0	0	1
PD.460	PL.3490	C	40QA	7.49Y	124.9	0.00	0.10	0.39	1	3	1	95	0.00	0.0	0.115	0.005	0	0	0	1
PL.3491	PD.460	C	6 A (CWC)	7.49Y	124.9	0.00	0.10	0.39	0	3	1	95	0.00	0.0	0.151	0.037	3	1	1	1
PL.3780	PL.3992	ABC	#4/0 ACSR	7.49Y	124.8	0.07	0.17	80.45	24	1720	560	95	0.68	0.0	0.189	0.078	0	0	0	386
PL.3781	PL.3780	ABC	#4/0 ACSR	7.49Y	124.8	0.08	0.24	80.24	24	1715	558	95	0.75	0.0	0.275	0.087	0	0	0	383
PL.3617	PL.3781	ABC	#4/0 ACSR	7.48Y	124.7	0.08	0.33	70.44	21	1513	460	96	0.71	0.0	0.383	0.107	9	3	1	382
PL.3619	PL.3617	ABC	#4/0 ACSR	7.48Y	124.6	0.08	0.41	70.01	21	1503	456	96	0.68	0.0	0.486	0.103	0	0	0	381
PL.2958	PL.3619	A	#1/0 ACSR	7.48Y	124.6	0.00	0.41	3.31	1	24	7	96	0.00	0.0	0.491	0.005	0	0	0	2
PD.458	PL.2958	A	40QA	7.48Y	124.6	0.00	0.41	3.31	8	24	7	96	0.00	0.0	0.491	0.005	0	0	0	2

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.2959	PD.458	A	#1/0 ACSR	7.48Y	124.6	0.00	0.41	3.31	1	24	7	96	0.00	0.0	0.520	0.029	24	7	2	2
PL.3620	PL.3619	ABC	#4/0 ACSR	7.47Y	124.5	0.05	0.46	68.91	20	1479	448	96	0.43	0.0	0.555	0.069	8	2	4	379
PL.3621	PL.3620	ABC	#4/0 ACSR	7.47Y	124.5	0.02	0.48	68.30	20	1465	444	96	0.16	0.0	0.580	0.026	0	0	1	374
PL.3622	PL.3621	ABC	#4/0 ACSR	7.46Y	124.4	0.13	0.60	68.28	20	1465	443	96	1.05	0.1	0.750	0.169	0	0	0	373
PL.3537	PL.3622	ABC	#4/0 ACSR	7.46Y	124.3	0.13	0.73	68.28	20	1464	442	96	1.13	0.1	0.931	0.181	3	1	1	373
PL.3928	PL.3537	ABC	#4/0 ACSR	7.45Y	124.1	0.13	0.86	68.13	20	1459	439	96	1.07	0.1	1.103	0.172	0	0	0	372
PL.2954	PL.3928	C	#4 ACSR	7.45Y	124.1	0.00	0.86	1.12	1	8	2	97	0.00	0.0	1.108	0.005	0	0	0	1
PD.456	PL.2954	C	40QA	7.45Y	124.1	0.00	0.86	1.12	3	8	2	97	0.00	0.0	1.108	0.005	0	0	0	1
PL.32693	PD.456	C	#2 ACSR	7.45Y	124.1	0.00	0.86	1.12	1	8	2	97	0.00	0.0	1.168	0.060	8	2	1	1
PL.3514	PL.3928	ABC	#4/0 ACSR	7.44Y	124.0	0.13	0.99	67.76	20	1450	435	96	1.08	0.1	1.279	0.176	0	0	0	371
PL.3538	PL.3514	ABC	#4/0 ACSR	7.44Y	124.0	0.04	1.03	67.76	20	1449	433	96	0.32	0.0	1.331	0.052	6	2	1	371
PL.3624	PL.3538	ABC	#4/0 ACSR	7.44Y	123.9	0.05	1.08	66.56	20	1423	425	96	0.42	0.0	1.402	0.071	10	3	1	366
PL.3925	PL.3624	ABC	#4/0 ACSR	7.43Y	123.9	0.05	1.13	66.09	19	1413	421	96	0.43	0.0	1.475	0.073	3	1	1	365
PL.3926	PL.3925	ABC	#4/0 ACSR	7.43Y	123.8	0.08	1.21	65.93	19	1409	420	96	0.65	0.0	1.588	0.112	3	1	1	364
PL.3924	PL.3926	ABC	#4/0 ACSR	7.42Y	123.7	0.06	1.27	65.77	19	1405	418	96	0.45	0.0	1.666	0.079	9	2	1	363
PL.3919	PL.3924	ABC	#4/0 ACSR	7.42Y	123.7	0.06	1.33	65.36	19	1395	414	96	0.50	0.0	1.755	0.089	7	2	2	362
PL.3628	PL.3919	ABC	#4/0 ACSR	7.41Y	123.6	0.12	1.44	64.65	19	1380	409	96	0.92	0.1	1.920	0.165	1	0	1	359
PL.3923	PL.3628	ABC	#4/0 ACSR	7.41Y	123.5	0.05	1.49	64.60	19	1378	407	96	0.36	0.0	1.985	0.065	0	0	0	358
PL.3920	PL.3923	ABC	#4/0 ACSR	7.41Y	123.5	0.03	1.52	64.15	19	1368	404	96	0.26	0.0	2.033	0.048	5	1	1	356
PL.3921	PL.3920	ABC	#4/0 ACSR	7.41Y	123.4	0.04	1.56	63.93	19	1363	402	96	0.29	0.0	2.087	0.054	5	2	1	355
PL.3918	PL.3921	ABC	#4/0 ACSR	7.40Y	123.4	0.05	1.61	63.67	19	1357	400	96	0.37	0.0	2.156	0.069	0	0	0	354
PL.3630	PL.3918	ABC	#1/0 ACSR	7.40Y	123.3	0.09	1.70	63.48	28	1352	398	96	0.87	0.1	2.238	0.082	16	4	2	353
PL.3916	PL.3630	ABC	#1/0 ACSR	7.39Y	123.2	0.08	1.78	62.74	27	1336	393	96	0.72	0.1	2.308	0.070	14	4	3	351
PL.3917	PL.3916	ABC	#4/0 ACSR	7.39Y	123.2	0.06	1.84	62.09	18	1321	389	96	0.47	0.0	2.398	0.090	0	0	0	348
PL.4011	PL.3917	C	#4 ACSR	7.39Y	123.2	0.00	1.84	0.69	1	5	1	98	0.00	0.0	2.403	0.005	0	0	0	3
PD.451	PL.4011	C	40QA	7.39Y	123.2	0.00	1.84	0.69	2	5	1	98	0.00	0.0	2.403	0.005	0	0	0	3
PL.4012	PD.451	C	#4 ACSR	7.39Y	123.2	0.00	1.84	0.69	1	5	1	98	0.00	0.0	2.481	0.078	1	0	1	3
PL.3631	PL.4012	C	#4 ACSR	7.39Y	123.2	0.00	1.84	0.58	0	4	1	97	0.00	0.0	2.558	0.077	4	1	2	2
PL.3515	PL.3917	ABC	#4/0 ACSR	7.39Y	123.1	0.07	1.91	61.86	18	1316	386	96	0.56	0.0	2.508	0.110	5	1	1	345
PL.3915	PL.3515	ABC	#4/0 ACSR	7.38Y	123.0	0.11	2.02	61.63	18	1310	384	96	0.82	0.1	2.670	0.162	0	0	0	344
PL.4009	PL.3915	A	#4 ACSR	7.38Y	123.0	0.00	2.02	0.87	1	6	2	95	0.00	0.0	2.674	0.004	0	0	0	1

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Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% 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.450	PL.4009	A	40QA	7.38Y	123.0	0.00	2.02	0.87	2	6	2	95	0.00	0.0	2.674	0.004	0	0	0	1
PL.4010	PD.450	A	#4 ACSR	7.38Y	123.0	0.00	2.02	0.87	1	6	2	95	0.00	0.0	2.714	0.040	6	2	1	1
PL.3885	PL.3915	ABC	#4/0 ACSR	7.37Y	122.9	0.06	2.08	61.35	18	1303	381	96	0.48	0.0	2.765	0.095	8	2	1	343
PL.3886	PL.3885	ABC	#4/0 ACSR	7.37Y	122.9	0.04	2.12	60.98	18	1295	378	96	0.29	0.0	2.824	0.059	0	0	0	342
PL.3887	PL.3886	ABC	#4/0 ACSR	7.37Y	122.8	0.03	2.15	60.98	18	1295	377	96	0.21	0.0	2.866	0.042	22	6	3	342
PL.3888	PL.3887	ABC	#4/0 ACSR	7.37Y	122.8	0.05	2.20	59.96	18	1273	371	96	0.40	0.0	2.950	0.083	9	2	2	339
PL.3889	PL.3888	ABC	#4/0 ACSR	7.36Y	122.7	0.06	2.27	59.54	18	1264	368	96	0.46	0.0	3.046	0.096	0	0	0	337
PL.3999	PL.3889	A	#2 ACSR	7.36Y	122.7	0.00	2.27	1.03	1	7	2	96	0.00	0.0	3.050	0.005	0	0	0	2
PD.445	PL.3999	A	40QA	7.36Y	122.7	0.00	2.27	1.03	3	7	2	96	0.00	0.0	3.050	0.005	0	0	0	2
PL.4000	PD.445	A	#2 ACSR	7.36Y	122.7	0.00	2.27	1.03	1	7	2	96	0.00	0.0	3.066	0.016	7	2	2	2
PL.3854	PL.3889	ABC	#4/0 ACSR	7.36Y	122.7	0.05	2.32	59.20	17	1256	365	96	0.38	0.0	3.128	0.082	15	4	5	335
PL.3997	PL.3854	A	#4 ACSR	7.36Y	122.7	0.00	2.32	2.55	2	18	5	96	0.00	0.0	3.132	0.005	0	0	0	4
PD.444	PL.3997	A	40QA	7.36Y	122.7	0.00	2.32	2.55	6	18	5	96	0.00	0.0	3.132	0.005	0	0	0	4
PL.3998	PD.444	A	#4 ACSR	7.36Y	122.7	0.00	2.32	2.55	2	18	5	96	0.00	0.0	3.195	0.063	18	5	4	4
PL.3880	PL.3854	ABC	#4/0 ACSR	7.36Y	122.6	0.05	2.37	57.65	17	1223	355	96	0.35	0.0	3.206	0.079	0	0	0	326
PL.3882	PL.3880	ABC	#4/0 ACSR	7.36Y	122.6	0.03	2.40	57.65	17	1222	355	96	0.22	0.0	3.256	0.049	11	3	2	326
PL.3883	PL.3882	ABC	#4/0 ACSR	7.35Y	122.6	0.03	2.42	57.13	17	1211	351	96	0.19	0.0	3.299	0.044	8	2	1	324
PL.3884	PL.3883	ABC	#4/0 ACSR	7.35Y	122.5	0.03	2.46	56.78	17	1203	349	96	0.24	0.0	3.356	0.057	0	0	0	323
PL.3881	PL.3884	ABC	#4/0 ACSR	7.35Y	122.5	0.03	2.48	56.78	17	1203	348	96	0.18	0.0	3.398	0.042	2	1	2	323
PL.3633	PL.3881	ABC	#4/0 ACSR	7.35Y	122.5	0.04	2.52	56.69	17	1201	347	96	0.27	0.0	3.461	0.063	0	0	0	321
PL.3993	PL.3633	B	#1/0 ACSR	7.35Y	122.5	0.00	2.52	5.28	2	37	10	97	0.00	0.0	3.466	0.005	0	0	0	12
PD.441	PL.3993	B	40QA	7.35Y	122.5	0.00	2.52	5.28	13	37	10	97	0.00	0.0	3.466	0.005	0	0	0	12
PL.3994	PD.441	B	#1/0 ACSR	7.35Y	122.5	0.00	2.52	5.28	2	37	10	97	0.00	0.0	3.490	0.024	8	2	2	12
PL.3909	PL.3994	B	#1/0 ACSR	7.35Y	122.5	0.01	2.53	4.19	2	30	8	97	0.00	0.0	3.590	0.100	0	0	0	10
PL.3634	PL.3909	B	#2 ACSR	7.35Y	122.5	0.00	2.54	1.10	1	8	2	97	0.00	0.0	3.647	0.057	0	0	0	1
PL.3827	PL.3634	B	#2 ACSR	7.35Y	122.5	0.00	2.54	1.10	1	8	2	97	0.00	0.0	3.774	0.126	8	2	1	1
PL.3516	PL.3909	B	#1/0 ACSR	7.35Y	122.5	0.01	2.54	3.08	1	22	6	96	0.00	0.0	3.674	0.084	0	0	0	9
PL.3910	PL.3516	B	#1/0 ACSR	7.35Y	122.5	0.01	2.55	3.08	1	22	6	96	0.00	0.0	3.802	0.127	15	4	5	9
PL.3911	PL.3910	B	#1/0 ACSR	7.35Y	122.5	0.00	2.55	0.91	0	6	2	95	0.00	0.0	3.853	0.051	6	2	4	4
PL.3912	PL.3911	B	#1/0 ACSR	7.35Y	122.5	0.00	2.55	0.00	0	0	0	100	0.00	0.0	3.932	0.080	0	0	0	0
PL.3913	PL.3912	B	#1/0 ACSR	7.35Y	122.5	0.00	2.55	0.00	0	0	0	100	0.00	0.0	4.093	0.161	0	0	0	0

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Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.3850	PL.3633	ABC	#4/0 ACSR	7.35Y	122.4	0.04	2.56	54.93	16	1163	337	96	0.29	0.0	3.535	0.073	4	1	4	309
PL.3995	PL.3850	C	#2 ACSR	7.35Y	122.4	0.00	2.56	0.49	0	3	1	95	0.00	0.0	3.539	0.005	0	0	0	1
PD.442	PL.3995	C	40QA	7.35Y	122.4	0.00	2.56	0.49	1	3	1	95	0.00	0.0	3.539	0.005	0	0	0	1
PL.3996	PD.442	C	#2 ACSR	7.35Y	122.4	0.00	2.56	0.49	0	3	1	95	0.00	0.0	3.555	0.016	3	1	1	1
PL.3907	PL.3850	ABC	#4/0 ACSR	7.34Y	122.4	0.02	2.59	54.57	16	1155	334	96	0.16	0.0	3.576	0.041	9	3	4	304
PL.3908	PL.3907	ABC	#4/0 ACSR	7.34Y	122.4	0.02	2.61	54.14	16	1146	331	96	0.15	0.0	3.615	0.039	0	0	0	300
PL.3824	PL.3908	ABC	#4/0 ACSR	7.34Y	122.4	0.00	2.61	54.14	16	1146	331	96	0.00	0.0	3.617	0.001	0	0	0	300
RG.5	PL.3824	ABC	114.3 KVA	7.48Y	124.7	-2.34	0.27	54.14	36	1146	331	96	percent Boost= 1.88			Tap= 3.0				300
PL.3825	RG.5	ABC	#4/0 ACSR	7.48Y	124.7	0.00	0.27	53.12	16	1146	331	96	0.00	0.0	3.618	0.001	0	0	0	300
PL.3849	PL.3825	ABC	#4/0 ACSR	7.48Y	124.7	0.02	0.30	53.12	16	1146	331	96	0.14	0.0	3.657	0.039	23	6	3	300
PL.4028	PL.3849	C	#2 ACSR	7.48Y	124.7	0.00	0.30	2.12	1	15	4	97	0.00	0.0	3.661	0.005	0	0	0	7
PD.482	PL.4028	C	40QA	7.48Y	124.7	0.00	0.30	2.12	5	15	4	97	0.00	0.0	3.661	0.005	0	0	0	7
PL.4029	PD.482	C	#2 ACSR	7.48Y	124.7	0.00	0.30	2.12	1	15	4	97	0.00	0.0	3.720	0.058	15	4	7	7
PL.4007	PL.3849	A	#4 ACSR	7.48Y	124.7	0.00	0.30	2.06	2	15	4	97	0.00	0.0	3.661	0.005	0	0	0	3
PD.449	PL.4007	A	40QA	7.48Y	124.7	0.00	0.30	2.06	5	15	4	97	0.00	0.0	3.661	0.005	0	0	0	3
PL.4008	PD.449	A	#4 ACSR	7.48Y	124.7	0.00	0.30	2.06	2	15	4	97	0.00	0.0	3.698	0.037	15	4	3	3
PL.4048	PL.3849	ABC	#4/0 ACSR	7.48Y	124.7	0.02	0.32	50.69	15	1093	316	96	0.13	0.0	3.694	0.038	0	0	0	287
PD.492	PL.4048	ABC	100L	7.48Y	124.7	0.00	0.32	50.69	51	1093	316	96	0.00	0.0	3.694	0.038	0	0	0	287
PL.4049	PD.492	ABC	#4/0 ACSR	7.48Y	124.7	0.02	0.34	50.69	15	1093	316	96	0.15	0.0	3.738	0.043	10	3	2	287
PL.4005	PL.4049	A	#2 ACSR	7.48Y	124.7	0.00	0.34	0.30	0	2	1	89	0.00	0.0	3.742	0.005	0	0	0	1
PD.448	PL.4005	A	40QA	7.48Y	124.7	0.00	0.34	0.30	1	2	1	89	0.00	0.0	3.742	0.005	0	0	0	1
PL.4006	PD.448	A	#2 ACSR	7.48Y	124.7	0.00	0.34	0.30	0	2	1	89	0.00	0.0	3.798	0.056	2	1	1	1
PL.4026	PL.4049	ABC	#4/0 ACSR	7.48Y	124.6	0.05	0.39	50.13	15	1081	312	96	0.34	0.0	3.838	0.101	0	0	0	284
PL.4027	PL.4026	ABC	#4/0 ACSR	7.48Y	124.6	0.00	0.40	50.13	15	1080	311	96	0.01	0.0	3.843	0.004	13	4	4	284
PL.4042	PL.4027	C	#1/0 ACSR	7.48Y	124.6	0.00	0.40	26.00	11	187	53	96	0.00	0.0	3.845	0.003	0	0	0	51
PD.489	PL.4042	C	50L	7.48Y	124.6	0.00	0.40	26.00	52	187	53	96	0.00	0.0	3.845	0.003	0	0	0	51
PL.4043	PD.489	C	#1/0 ACSR	7.47Y	124.6	0.03	0.42	26.00	11	187	53	96	0.03	0.0	3.887	0.042	0	0	0	51
PL.3517	PL.4043	C	#1/0 ACSR	7.47Y	124.5	0.06	0.48	25.11	11	181	51	96	0.07	0.0	3.987	0.100	0	0	0	49
PL.3539	PL.3517	C	#1/0 ACSR	7.47Y	124.4	0.08	0.57	25.11	11	181	51	96	0.10	0.1	4.131	0.144	0	0	0	49
PL.3637	PL.3539	C	#2 ACSR	7.47Y	124.4	0.00	0.57	0.38	0	3	1	95	0.00	0.0	4.165	0.034	3	1	1	1
PL.3636	PL.3539	C	#1/0 ACSR	7.46Y	124.4	0.04	0.61	24.73	11	178	50	96	0.05	0.0	4.206	0.075	3	1	2	48

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Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.3640	PL.3636	C	#1/0 ACSR	7.46Y	124.4	0.04	0.65	23.94	10	172	48	96	0.05	0.0	4.280	0.074	4	1	1	43
PL.3641	PL.3640	C	#1/0 ACSR	7.46Y	124.3	0.04	0.68	23.37	10	168	47	96	0.04	0.0	4.345	0.065	0	0	0	42
PL.3878	PL.3641	C	#1/0 ACSR	7.46Y	124.3	0.01	0.70	7.81	3	56	16	96	0.00	0.0	4.415	0.071	14	4	3	10
PL.3879	PL.3878	C	#1/0 ACSR	7.46Y	124.3	0.01	0.70	5.83	3	42	12	96	0.00	0.0	4.487	0.071	5	2	1	7
PL.4517	PL.3879	C	#2 ACSR	7.46Y	124.3	0.01	0.71	5.07	3	36	10	96	0.00	0.0	4.551	0.064	0	0	0	6
PL.4518	PL.4517	C	#2 ACSR	7.46Y	124.3	0.01	0.72	4.06	2	29	8	96	0.00	0.0	4.639	0.088	14	4	2	5
PL.3865	PL.4518	C	#2 ACSR	7.46Y	124.3	0.00	0.73	2.07	1	15	4	97	0.00	0.0	4.692	0.053	8	2	2	3
PL.3863	PL.3865	C	#2 ACSR	7.46Y	124.3	0.00	0.73	0.90	1	6	2	95	0.00	0.0	4.740	0.048	6	2	1	1
PL.4516	PL.4517	C	#1/0 ACSR	7.46Y	124.3	0.00	0.72	1.02	0	7	2	96	0.00	0.0	4.879	0.328	7	2	1	1
PL.3642	PL.3641	C	#1/0 ACSR	7.46Y	124.3	0.05	0.74	15.56	7	112	32	96	0.04	0.0	4.491	0.147	0	0	0	32
PL.3541	PL.3642	C	#1/0 ACSR	7.45Y	124.2	0.04	0.78	15.56	7	112	31	96	0.03	0.0	4.604	0.113	0	0	0	32
PL.3542	PL.3541	C	#1/0 ACSR	7.45Y	124.2	0.05	0.83	15.56	7	112	31	96	0.04	0.0	4.740	0.136	0	0	0	32
PL.3644	PL.3542	C	#2 ACSR	7.45Y	124.2	0.00	0.83	0.12	0	1	0	100	0.00	0.0	4.840	0.101	0	0	0	2
PL.3661	PL.3644	C	#2 ACSR	7.45Y	124.2	0.00	0.83	0.11	0	1	0	100	0.00	0.0	4.958	0.117	0	0	0	1
PL.3544	PL.3661	C	#2 ACSR	7.45Y	124.2	0.00	0.83	0.11	0	1	0	100	0.00	0.0	5.102	0.144	0	0	0	1
PL.3545	PL.3544	C	#2 ACSR	7.45Y	124.2	0.00	0.83	0.11	0	1	0	100	0.00	0.0	5.188	0.086	0	0	0	1
PL.3830	PL.3545	C	#2 ACSR	7.45Y	124.2	0.00	0.83	0.11	0	1	0	100	0.00	0.0	5.358	0.170	0	0	0	1
PL.4521	PL.3830	C	#2 ACSR	7.45Y	124.2	0.00	0.83	0.11	0	1	0	100	0.00	0.0	5.504	0.146	0	0	0	1
PL.4522	PL.4521	C	#2 ACSR	7.45Y	124.2	0.00	0.83	0.00	0	0	0	100	0.00	0.0	5.522	0.019	0	0	0	0
PL.4520	PL.4521	C	#1/0 ACSR	7.45Y	124.2	0.00	0.83	0.11	0	1	0	100	0.00	0.0	5.600	0.096	1	0	1	1
PL.3662	PL.3644	C	#1/0 ACSR	7.45Y	124.2	0.00	0.83	0.01	0	0	0	100	0.00	0.0	4.892	0.052	0	0	1	1
PL.3871	PL.3542	C	#1/0 ACSR	7.45Y	124.2	0.02	0.84	15.39	7	110	31	96	0.01	0.0	4.782	0.043	1	0	1	29
PL.3872	PL.3871	C	#1/0 ACSR	7.45Y	124.1	0.04	0.88	15.21	7	109	31	96	0.03	0.0	4.885	0.103	0	0	0	28
PL.3548	PL.3872	C	#1/0 ACSR	7.44Y	124.1	0.04	0.92	15.21	7	109	31	96	0.03	0.0	5.012	0.127	0	0	0	28
PL.3549	PL.3548	C	#1/0 ACSR	7.44Y	124.0	0.04	0.96	15.21	7	109	31	96	0.03	0.0	5.128	0.116	0	0	0	28
PL.3550	PL.3549	C	#1/0 ACSR	7.44Y	124.0	0.05	1.01	15.21	7	109	31	96	0.03	0.0	5.258	0.130	0	0	0	28
PL.3873	PL.3550	C	#1/0 ACSR	7.44Y	124.0	0.02	1.03	15.21	7	109	31	96	0.02	0.0	5.327	0.069	9	3	1	28
PL.3874	PL.3873	C	#1/0 ACSR	7.44Y	124.0	0.01	1.04	13.93	6	100	28	96	0.01	0.0	5.360	0.032	1	0	1	27
PL.3875	PL.3874	C	#1/0 ACSR	7.43Y	123.9	0.05	1.09	13.85	6	99	28	96	0.03	0.0	5.514	0.155	2	1	1	26
PL.3876	PL.3875	C	#1/0 ACSR	7.43Y	123.9	0.01	1.10	13.58	6	97	27	96	0.01	0.0	5.541	0.026	0	0	0	25
PL.3877	PL.3876	C	#1/0 ACSR	7.43Y	123.9	0.03	1.13	13.58	6	97	27	96	0.02	0.0	5.640	0.099	2	1	1	25

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

Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.3855	PL.3877	C	#1/0 ACSR	7.43Y	123.8	0.03	1.16	13.29	6	95	27	96	0.02	0.0	5.737	0.097	0	0	0	23
PL.3782	PL.3855	C	#1/0 ACSR	7.43Y	123.8	0.04	1.20	13.29	6	95	27	96	0.02	0.0	5.859	0.122	0	0	0	23
PL.3783	PL.3782	C	#1/0 ACSR	7.43Y	123.8	0.04	1.24	13.29	6	95	27	96	0.03	0.0	6.003	0.144	8	2	2	23
PL.3647	PL.3783	C	#1/0 ACSR	7.42Y	123.7	0.03	1.27	11.29	5	81	23	96	0.02	0.0	6.112	0.109	0	0	0	20
PL.3649	PL.3647	C	#4 ACSR	7.42Y	123.7	0.00	1.27	2.11	2	15	4	97	0.00	0.0	6.140	0.028	5	1	3	8
PL.3650	PL.3649	C	#4 ACSR	7.42Y	123.7	0.00	1.28	1.39	1	10	3	96	0.00	0.0	6.181	0.041	2	0	1	5
PL.3858	PL.3650	C	#4 ACSR	7.42Y	123.7	0.00	1.28	1.16	1	8	2	97	0.00	0.0	6.271	0.090	0	0	0	4
PL.3859	PL.3858	C	#4 ACSR	7.42Y	123.7	0.00	1.28	1.16	1	8	2	97	0.00	0.0	6.276	0.005	4	1	1	4
PL.3658	PL.3859	C	#1/0 ACSR	7.42Y	123.7	0.00	1.28	0.57	0	4	1	97	0.00	0.0	6.281	0.005	0	0	0	3
PD.443	PL.3658	C	40QA	7.42Y	123.7	0.00	1.28	0.57	1	4	1	97	0.00	0.0	6.281	0.005	0	0	0	3
PL.3518	PD.443	C	#1/0 ACSR	7.42Y	123.7	0.00	1.28	0.00	0	0	0	100	0.00	0.0	6.326	0.046	0	0	0	0
PL.3860	PD.443	C	#4 ACSR	7.42Y	123.7	0.00	1.28	0.57	0	4	1	97	0.00	0.0	6.290	0.010	0	0	0	3
PL.3657	PL.3860	C	#4 ACSR	7.42Y	123.7	0.00	1.28	0.57	0	4	1	97	0.00	0.0	6.370	0.080	0	0	0	3
PL.3655	PL.3657	C	#4 ACSR	7.42Y	123.7	0.00	1.29	0.57	0	4	1	97	0.00	0.0	6.511	0.140	0	0	0	3
PL.3784	PL.3655	C	#4 ACSR	7.42Y	123.7	0.00	1.29	0.57	0	4	1	97	0.00	0.0	6.574	0.064	0	0	0	3
PL.3666	PL.3784	C	#4 ACSR	7.42Y	123.7	0.00	1.29	0.00	0	0	0	100	0.00	0.0	6.616	0.041	0	0	1	1
PL.3519	PL.3784	C	#4 ACSR	7.42Y	123.7	0.00	1.29	0.57	0	4	1	97	0.00	0.0	6.731	0.157	0	0	0	2
PL.3785	PL.3519	C	#4 ACSR	7.42Y	123.7	0.00	1.30	0.57	0	4	1	97	0.00	0.0	6.835	0.104	0	0	0	2
PL.3828	PL.3785	C	#4 ACSR	7.42Y	123.7	0.00	1.30	0.57	0	4	1	97	0.00	0.0	6.941	0.106	0	0	0	2
PL.3786	PL.3828	C	#4 ACSR	7.42Y	123.7	0.00	1.30	0.57	0	4	1	97	0.00	0.0	7.026	0.086	3	1	1	2
PL.3656	PL.3786	C	#4 ACSR	7.42Y	123.7	0.00	1.30	0.16	0	1	0	100	0.00	0.0	7.179	0.153	0	0	0	1
PL.3659	PL.3656	C	#4 ACSR	7.42Y	123.7	0.00	1.30	0.16	0	1	0	100	0.00	0.0	7.243	0.064	1	0	1	1
PL.3929	PL.3647	C	#1/0 ACSR	7.42Y	123.7	0.01	1.28	9.18	4	66	18	96	0.01	0.0	6.174	0.062	0	0	0	12
PL.3930	PL.3929	C	#1/0 ACSR	7.42Y	123.7	0.01	1.30	9.18	4	66	18	96	0.00	0.0	6.222	0.049	0	0	0	12
PL.3651	PL.3930	C	#4 ACSR	7.42Y	123.7	0.00	1.30	0.33	0	2	1	89	0.00	0.0	6.261	0.038	2	1	1	1
PL.3867	PL.3930	C	#1/0 ACSR	7.42Y	123.7	0.01	1.31	8.86	4	63	18	96	0.01	0.0	6.300	0.078	8	2	2	11
PL.3868	PL.3867	C	#1/0 ACSR	7.42Y	123.7	0.01	1.32	7.69	3	55	15	96	0.00	0.0	6.334	0.034	10	3	2	9
PL.3866	PL.3868	C	#1/0 ACSR	7.42Y	123.7	0.01	1.33	6.31	3	45	13	96	0.00	0.0	6.405	0.071	0	0	0	7
PL.3869	PL.3866	C	#1/0 ACSR	7.42Y	123.7	0.01	1.33	5.32	2	38	11	96	0.00	0.0	6.461	0.056	18	5	2	6
PL.3870	PL.3869	C	#1/0 ACSR	7.42Y	123.7	0.00	1.34	2.84	1	20	6	96	0.00	0.0	6.550	0.089	9	3	2	4
PL.3653	PL.3870	C	#4 ACSR	7.42Y	123.7	0.00	1.34	0.97	1	7	2	96	0.00	0.0	6.577	0.027	7	2	1	1

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Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.3667	PL.3870	C	#4 ACSR	7.42Y	123.7	0.00	1.34	0.56	0	4	1	97	0.00	0.0	6.650	0.100	4	1	1	1
PL.3652	PL.3866	C	#1/0 ACSR	7.42Y	123.7	0.00	1.33	0.99	0	7	2	96	0.00	0.0	6.433	0.028	7	2	1	1
PL.3648	PL.3783	C	#2 ACSR	7.43Y	123.8	0.00	1.24	0.89	1	6	2	95	0.00	0.0	6.071	0.068	6	2	1	1
PL.3645	PL.3877	C	#4 ACSR	7.43Y	123.9	0.00	1.13	0.00	0	0	0	100	0.00	0.0	5.699	0.059	0	0	1	1
PL.3643	PL.3542	C	#2 ACSR	7.45Y	124.2	0.00	0.83	0.06	0	0	0	100	0.00	0.0	4.800	0.060	0	0	1	1
PL.3638	PL.3636	C	#2 ACSR	7.46Y	124.4	0.00	0.61	0.19	0	1	0	100	0.00	0.0	4.255	0.049	1	0	1	1
PL.3639	PL.3636	C	#2 ACSR	7.46Y	124.4	0.00	0.61	0.16	0	1	0	100	0.00	0.0	4.255	0.049	1	0	2	2
PL.28283	PL.4043	C	#1/0 ACSR	7.47Y	124.6	0.00	0.42	0.90	0	6	2	95	0.00	0.0	3.909	0.022	0	0	1	2
PL.28284	PL.28283	C	#1/0 ACSR	7.47Y	124.6	0.00	0.42	0.84	0	6	2	95	0.00	0.0	3.969	0.060	6	2	1	1
PL.4024	PL.4027	C	#1/0 ACSR	7.48Y	124.6	0.00	0.40	0.55	0	4	1	97	0.00	0.0	3.847	0.005	0	0	0	1
PD.481	PL.4024	C	50H	7.48Y	124.6	0.00	0.40	0.55	1	4	1	97	0.00	0.0	3.847	0.005	0	0	0	1
PL.4025	PD.481	C	#1/0 ACSR	7.48Y	124.6	0.00	0.40	0.55	0	4	1	97	0.00	0.0	3.864	0.016	4	1	1	1
PL.3905	PL.4027	ABC	#4/0 ACSR	7.47Y	124.6	0.03	0.42	40.68	12	876	254	96	0.14	0.0	3.907	0.064	3	1	1	228
PL.3906	PL.3905	ABC	#3/0 ACSR	7.47Y	124.5	0.08	0.50	40.56	14	874	253	96	0.41	0.0	4.057	0.150	0	0	0	227
PL.3832	PL.3906	ABC	#4/0 ACSR	7.47Y	124.5	0.04	0.55	40.56	12	873	252	96	0.23	0.0	4.160	0.103	0	0	0	227
PL.3788	PL.3832	ABC	#4/0 ACSR	7.46Y	124.4	0.08	0.62	40.56	12	873	252	96	0.39	0.0	4.337	0.177	0	0	0	227
PL.3790	PL.3788	ABC	#4/0 ACSR	7.46Y	124.3	0.07	0.70	40.56	12	873	251	96	0.37	0.0	4.505	0.168	0	0	0	227
PL.3833	PL.3790	ABC	#4/0 ACSR	7.46Y	124.3	0.05	0.75	40.56	12	872	250	96	0.26	0.0	4.623	0.118	0	0	0	227
PL.3520	PL.3833	ABC	#4/0 ACSR	7.45Y	124.2	0.08	0.82	40.40	12	869	249	96	0.39	0.0	4.800	0.177	0	0	0	225
PL.3791	PL.3520	ABC	#4/0 ACSR	7.45Y	124.1	0.08	0.90	40.40	12	868	248	96	0.41	0.0	4.987	0.187	0	0	0	225
PL.3779	PL.3791	ABC	#4/0 ACSR	7.44Y	124.0	0.10	1.00	40.40	12	868	248	96	0.49	0.1	5.212	0.225	0	0	0	225
PL.4003	PL.3779	C	#2 ACSR	7.44Y	124.0	0.00	1.00	0.32	0	2	1	89	0.00	0.0	5.216	0.005	0	0	0	2
PD.447	PL.4003	C	40QA	7.44Y	124.0	0.00	1.00	0.32	1	2	1	89	0.00	0.0	5.216	0.005	0	0	0	2
PL.4004	PD.447	C	#2 ACSR	7.44Y	124.0	0.00	1.00	0.32	0	2	1	89	0.00	0.0	5.239	0.022	2	1	2	2
PL.4040	PL.3779	B	6 A (CWC)	7.43Y	123.8	0.15	1.16	30.65	22	219	62	96	0.25	0.1	5.321	0.110	0	0	0	62
PD.488	PL.4040	B	70L	7.43Y	123.8	0.00	1.16	30.65	44	219	62	96	0.00	0.0	5.321	0.110	0	0	0	62
PL.4041	PD.488	B	6 A (CWC)	7.42Y	123.6	0.23	1.38	30.65	22	219	62	96	0.37	0.2	5.483	0.162	0	0	0	62
PL.3890	PL.4041	B	6 A (CWC)	7.41Y	123.6	0.06	1.44	30.65	22	219	61	96	0.09	0.0	5.522	0.040	3	1	1	62
PL.3891	PL.3890	B	6 A (CWC)	7.41Y	123.5	0.10	1.54	30.22	22	216	61	96	0.16	0.1	5.594	0.072	0	0	0	61
PL.3892	PL.3891	B	6 A (CWC)	7.41Y	123.4	0.02	1.56	30.22	22	216	60	96	0.04	0.0	5.612	0.018	7	2	2	61
PL.3664	PL.3892	B	6 A (CWC)	7.41Y	123.4	0.00	1.56	1.68	1	12	3	97	0.00	0.0	5.664	0.052	12	3	2	2

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Balanced Voltage Drop Report
Source: Goose Rock

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Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.3665	PL.3892	B	6 A (CWC)	7.39Y	123.2	0.20	1.76	27.62	20	197	55	96	0.30	0.2	5.772	0.160	0	0	0	57
PL.3893	PL.3665	B	6 A (CWC)	7.39Y	123.2	0.01	1.77	4.63	3	33	9	96	0.00	0.0	5.815	0.043	6	2	1	9
PL.3894	PL.3893	B	6 A (CWC)	7.39Y	123.2	0.02	1.79	3.80	3	27	8	96	0.00	0.0	5.910	0.096	0	0	0	8
PL.3671	PL.3894	B	6 A (CWC)	7.39Y	123.2	0.01	1.79	3.42	2	24	7	96	0.00	0.0	5.976	0.066	18	5	5	7
PL.3673	PL.3671	B	#1/0 ACSR	7.39Y	123.2	0.00	1.79	0.87	0	6	2	95	0.00	0.0	6.002	0.026	6	2	2	2
PL.3672	PL.3894	B	6 A (CWC)	7.39Y	123.2	0.00	1.79	0.38	0	3	1	95	0.00	0.0	5.981	0.070	3	1	1	1
PL.3670	PL.3665	B	6 A (CWC)	7.39Y	123.1	0.14	1.91	23.00	16	164	46	96	0.17	0.1	5.907	0.135	0	0	0	48
PL.3674	PL.3670	B	6 A (CWC)	7.38Y	123.1	0.02	1.92	4.24	3	30	8	97	0.00	0.0	5.994	0.087	5	1	1	9
PL.3675	PL.3674	B	6 A (CWC)	7.38Y	123.1	0.00	1.92	0.49	0	3	1	95	0.00	0.0	6.002	0.008	0	0	0	1
PL.3677	PL.3675	B	6 A (CWC)	7.38Y	123.1	0.00	1.92	0.49	0	3	1	95	0.00	0.0	6.064	0.062	3	1	1	1
PL.3676	PL.3674	B	#2 ACSR	7.38Y	123.1	0.00	1.92	3.08	2	22	6	96	0.00	0.0	6.019	0.024	16	4	5	7
PL.3678	PL.3676	B	#1/0 ACSR	7.38Y	123.1	0.00	1.92	0.86	0	6	2	95	0.00	0.0	6.068	0.049	6	2	2	2
PL.3679	PL.3670	B	6 A (CWC)	7.38Y	123.0	0.10	2.00	18.76	13	133	37	96	0.10	0.1	6.022	0.115	0	0	0	39
PL.3901	PL.3679	B	6 A (CWC)	7.37Y	122.9	0.10	2.11	18.76	13	133	37	96	0.10	0.1	6.142	0.120	2	1	1	39
PL.3902	PL.3901	B	6 A (CWC)	7.37Y	122.9	0.02	2.13	18.48	13	131	37	96	0.02	0.0	6.167	0.024	1	0	1	38
PL.3680	PL.3902	B	6 A (CWC)	7.37Y	122.8	0.03	2.15	6.13	4	43	12	96	0.01	0.0	6.283	0.116	19	5	4	14
PL.3704	PL.3680	B	#2 ACSR	7.37Y	122.8	0.00	2.15	0.80	0	6	2	95	0.00	0.0	6.306	0.022	6	2	4	4
PL.3705	PL.3680	B	#4 ACSR	7.37Y	122.8	0.00	2.15	1.02	1	7	2	96	0.00	0.0	6.360	0.077	7	2	3	3
PL.3706	PL.3705	B	#4 ACSR	7.37Y	122.8	0.00	2.15	0.00	0	0	0	100	0.00	0.0	6.396	0.037	0	0	0	0
PL.3903	PL.3680	B	6 A (CWC)	7.37Y	122.8	0.00	2.16	1.67	1	12	3	97	0.00	0.0	6.343	0.060	5	1	1	3
PL.3904	PL.3903	B	6 A (CWC)	7.37Y	122.8	0.00	2.16	0.96	1	7	2	96	0.00	0.0	6.378	0.035	0	0	0	2
PL.3707	PL.3904	B	6 A (CWC)	7.37Y	122.8	0.00	2.16	0.64	0	5	1	98	0.00	0.0	6.516	0.138	5	1	1	1
PL.3708	PL.3904	B	#2 ACSR	7.37Y	122.8	0.00	2.16	0.32	0	2	1	89	0.00	0.0	6.407	0.029	2	1	1	1
PL.3846	PL.3902	B	6 A (CWC)	7.37Y	122.8	0.04	2.16	12.20	9	87	24	96	0.02	0.0	6.235	0.068	5	1	2	23
PL.3682	PL.3846	B	#4 ACSR	7.37Y	122.8	0.00	2.17	0.99	1	7	2	96	0.00	0.0	6.289	0.054	2	1	2	3
PL.3683	PL.3682	B	#4 ACSR	7.37Y	122.8	0.00	2.17	0.66	1	5	1	98	0.00	0.0	6.332	0.043	5	1	1	1
PL.3681	PL.3846	B	6 A (CWC)	7.37Y	122.8	0.04	2.20	10.54	8	75	21	96	0.02	0.0	6.324	0.089	9	2	3	18
PL.3685	PL.3681	B	6 A (CWC)	7.37Y	122.8	0.04	2.24	9.30	7	66	18	96	0.02	0.0	6.410	0.085	0	0	0	15
PL.3686	PL.3685	B	6 A (CWC)	7.37Y	122.8	0.01	2.25	9.30	7	66	18	96	0.00	0.0	6.429	0.019	0	0	0	15
PL.3899	PL.3686	B	6 A (CWC)	7.36Y	122.7	0.00	2.25	2.14	2	15	4	97	0.00	0.0	6.468	0.039	0	0	1	5
PL.3900	PL.3899	B	6 A (CWC)	7.36Y	122.7	0.01	2.27	2.07	1	15	4	97	0.00	0.0	6.606	0.138	0	0	0	4

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.3898	PL.3900	B	6 A (CWC)	7.36Y	122.7	0.01	2.27	2.07	1	15	4	97	0.00	0.0	6.709	0.103	6	2	2	4
PL.3897	PL.3898	B	6 A (CWC)	7.36Y	122.7	0.00	2.28	1.19	1	8	2	97	0.00	0.0	6.810	0.101	6	2	1	2
PL.3710	PL.3897	B	#4 ACSR	7.36Y	122.7	0.00	2.28	0.28	0	2	1	89	0.00	0.0	6.864	0.054	2	1	1	1
PL.3687	PL.3686	B	#2 ACSR	7.36Y	122.7	0.02	2.27	7.16	4	51	14	96	0.01	0.0	6.535	0.106	0	0	0	10
PL.3709	PL.3687	B	6 A (CWC)	7.36Y	122.7	0.05	2.33	7.16	5	51	14	96	0.02	0.0	6.695	0.161	0	0	0	10
PL.3689	PL.3709	B	6 A (CWC)	7.36Y	122.7	0.01	2.34	2.39	2	17	5	96	0.00	0.0	6.786	0.090	0	0	0	4
PL.3694	PL.3689	B	6 A (CWC)	7.36Y	122.6	0.02	2.35	2.39	2	17	5	96	0.00	0.0	6.936	0.150	0	0	0	4
PL.3793	PL.3694	B	6 A (CWC)	7.36Y	122.6	0.01	2.36	2.39	2	17	5	96	0.00	0.0	7.007	0.071	0	0	0	4
PL.3695	PL.3793	B	6 A (CWC)	7.36Y	122.6	0.00	2.36	0.00	0	0	0	100	0.00	0.0	7.048	0.042	0	0	0	0
PL.2273	PL.3695	B	6 A (CWC)	7.36Y	122.6	0.00	2.36	0.00	0	0	0	100	0.00	0.0	7.053	0.005	0	0	0	0
PL.3703	PL.3793	B	6 A (CWC)	7.36Y	122.6	0.01	2.37	2.39	2	17	5	96	0.00	0.0	7.120	0.114	0	0	0	4
PL.3701	PL.3703	B	6 A (CWC)	7.36Y	122.6	0.00	2.38	1.87	1	13	4	96	0.00	0.0	7.174	0.054	10	3	1	3
PL.3699	PL.3701	B	6 A (CWC)	7.36Y	122.6	0.00	2.38	0.46	0	3	1	95	0.00	0.0	7.206	0.033	0	0	0	2
PL.3697	PL.3699	B	6 A (CWC)	7.36Y	122.6	0.00	2.38	0.18	0	1	0	100	0.00	0.0	7.259	0.052	1	0	1	1
PL.3700	PL.3699	B	#4 ACSR	7.36Y	122.6	0.00	2.38	0.28	0	2	1	89	0.00	0.0	7.219	0.013	0	0	0	1
PL.3698	PL.3700	B	6 A (CWC)	7.36Y	122.6	0.00	2.38	0.28	0	2	1	89	0.00	0.0	7.253	0.034	2	1	1	1
PL.3702	PL.3703	B	#4 ACSR	7.36Y	122.6	0.00	2.37	0.52	0	4	1	97	0.00	0.0	7.188	0.067	4	1	1	1
PL.3690	PL.3709	B	#1/0 ACSR	7.36Y	122.7	0.01	2.33	4.77	2	34	9	97	0.00	0.0	6.766	0.070	0	0	0	6
PL.3522	PL.3690	B	#1/0 ACSR	7.36Y	122.7	0.00	2.34	2.56	1	18	5	96	0.00	0.0	6.835	0.069	9	3	1	3
PL.3711	PL.3522	B	#4 ACSR	7.36Y	122.7	0.00	2.34	1.22	1	9	2	98	0.00	0.0	6.872	0.037	3	1	1	2
PL.3693	PL.3711	B	#4 ACSR	7.36Y	122.7	0.00	2.34	0.78	1	6	2	95	0.00	0.0	6.884	0.012	6	2	1	1
PL.3691	PL.3690	B	#4 ACSR	7.36Y	122.7	0.00	2.34	2.21	2	16	4	97	0.00	0.0	6.830	0.064	16	4	3	3
PL.3684	PL.3681	B	6 A (CWC)	7.37Y	122.8	0.00	2.20	0.00	0	0	0	100	0.00	0.0	6.441	0.117	0	0	0	0
PL.3835	PL.3684	B	6 A (CWC)	7.37Y	122.8	0.00	2.20	0.00	0	0	0	100	0.00	0.0	6.501	0.059	0	0	0	0
PL.3669	PL.3779	ABC	#4/0 ACSR	7.44Y	124.0	0.01	1.02	30.08	9	645	184	96	0.05	0.0	5.256	0.045	15	4	4	161
PL.3713	PL.3669	A	6 A (CWC)	7.44Y	124.0	0.00	1.02	0.43	0	3	1	95	0.00	0.0	5.309	0.053	0	0	0	2
PL.4020	PL.3713	A	6 A (CWC)	7.44Y	124.0	0.00	1.02	0.43	0	3	1	95	0.00	0.0	5.314	0.005	0	0	0	2
PD.479	PL.4020	A	40QA	7.44Y	124.0	0.00	1.02	0.43	1	3	1	95	0.00	0.0	5.314	0.005	0	0	0	2
PL.4021	PD.479	A	6 A (CWC)	7.44Y	124.0	0.00	1.02	0.43	0	3	1	95	0.00	0.0	5.356	0.042	3	1	2	2
PL.4022	PL.3669	A	6 A (CWC)	7.44Y	124.0	0.00	1.02	2.51	2	18	5	96	0.00	0.0	5.261	0.005	0	0	0	2
PD.480	PL.4022	A	40QA	7.44Y	124.0	0.00	1.02	2.51	6	18	5	96	0.00	0.0	5.261	0.005	0	0	0	2

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.4023	PD.480	A	6 A (CWC)	7.44Y	124.0	0.00	1.02	2.51	2	18	5	96	0.00	0.0	5.289	0.028	18	5	2	2
PL.3714	PL.3669	ABC	#4/0 ACSR	7.44Y	124.0	0.03	1.05	28.40	8	609	174	96	0.11	0.0	5.358	0.101	13	4	2	153
PL.3847	PL.3714	ABC	#4/0 ACSR	7.44Y	123.9	0.03	1.08	27.81	8	597	170	96	0.12	0.0	5.472	0.115	9	3	1	151
PL.3848	PL.3847	ABC	#4/0 ACSR	7.43Y	123.9	0.02	1.10	27.17	8	583	166	96	0.08	0.0	5.556	0.083	0	0	0	149
PL.3523	PL.3848	ABC	#4/0 ACSR	7.43Y	123.8	0.06	1.16	25.65	8	550	157	96	0.18	0.0	5.757	0.201	0	0	0	143
PL.3794	PL.3523	ABC	#4/0 ACSR	7.43Y	123.8	0.04	1.20	25.65	8	550	157	96	0.12	0.0	5.899	0.142	0	0	0	143
PL.3721	PL.3794	ABC	#4/0 ACSR	7.43Y	123.8	0.05	1.24	25.64	8	550	157	96	0.15	0.0	6.068	0.169	0	0	0	142
PL.4014	PL.3721	A	6 A (CWC)	7.43Y	123.8	0.00	1.24	0.19	0	1	0	100	0.00	0.0	6.073	0.005	0	0	0	1
PD.476	PL.4014	A	40QA	7.43Y	123.8	0.00	1.24	0.19	0	1	0	100	0.00	0.0	6.073	0.005	0	0	0	1
PL.4015	PD.476	A	6 A (CWC)	7.43Y	123.8	0.00	1.24	0.19	0	1	0	100	0.00	0.0	6.110	0.037	1	0	1	1
PL.3722	PL.3721	ABC	#4/0 ACSR	7.42Y	123.7	0.06	1.30	25.58	8	548	156	96	0.18	0.0	6.278	0.210	0	0	0	141
PL.3723	PL.3722	ABC	#4/0 ACSR	7.42Y	123.6	0.06	1.37	25.38	7	544	154	96	0.20	0.0	6.516	0.238	0	0	0	140
PL.3726	PL.3723	ABC	#4/0 ACSR	7.42Y	123.6	0.04	1.40	23.36	7	500	142	96	0.11	0.0	6.668	0.151	0	0	0	129
PL.4047	PL.3726	ABC	#4/0 ACSR	7.42Y	123.6	0.01	1.41	23.36	7	500	142	96	0.02	0.0	6.697	0.030	7	2	2	129
PL.3851	PL.4047	ABC	#4/0 ACSR	7.41Y	123.6	0.03	1.44	23.03	7	493	140	96	0.08	0.0	6.816	0.119	7	2	1	127
PL.3852	PL.3851	ABC	#4/0 ACSR	7.41Y	123.5	0.03	1.47	22.48	7	481	136	96	0.07	0.0	6.923	0.107	3	1	1	122
PL.3796	PL.3852	ABC	#1/0 ACSR	7.41Y	123.4	0.11	1.57	22.36	10	478	136	96	0.35	0.1	7.187	0.264	0	0	0	121
PL.3510	PL.3796	C	6 A (CWC)	7.41Y	123.4	0.00	1.57	0.46	0	3	1	95	0.00	0.0	7.192	0.005	0	0	0	3
PD.471	PL.3510	C	40QA	7.41Y	123.4	0.00	1.57	0.46	1	3	1	95	0.00	0.0	7.192	0.005	0	0	0	3
PL.3511	PD.471	C	6 A (CWC)	7.41Y	123.4	0.00	1.57	0.46	0	3	1	95	0.00	0.0	7.282	0.091	3	1	3	3
PL.10580	PL.3796	ABC	#1/0 ACSR	7.40Y	123.4	0.04	1.62	22.21	10	475	134	96	0.14	0.0	7.294	0.107	0	0	0	118
PD.1910	PL.10580	ABC	70L	7.40Y	123.4	0.00	1.62	22.21	32	475	134	96	0.00	0.0	7.294	0.107	0	0	0	118
PL.10581	PD.1910	ABC	#1/0 ACSR	7.40Y	123.4	0.00	1.62	22.21	10	475	134	96	0.00	0.0	7.296	0.002	0	0	0	118
PL.4032	PL.10581	B	6 A (CWC)	7.40Y	123.4	0.00	1.62	0.73	1	5	1	98	0.00	0.0	7.300	0.004	0	0	0	1
PD.484	PL.4032	B	40QA	7.40Y	123.4	0.00	1.62	0.73	2	5	1	98	0.00	0.0	7.300	0.004	0	0	0	1
PL.4033	PD.484	B	6 A (CWC)	7.40Y	123.4	0.00	1.62	0.73	1	5	1	98	0.00	0.0	7.342	0.042	5	1	1	1
PL.3733	PL.4033	B	#4/0 ACSR	7.40Y	123.4	0.00	1.62	0.00	0	0	0	100	0.00	0.0	7.424	0.082	0	0	0	0
PL.4034	PL.10581	B	6 A (CWC)	7.40Y	123.4	0.00	1.62	0.59	0	4	1	97	0.00	0.0	7.300	0.005	0	0	0	3
PD.485	PL.4034	B	15T	7.40Y	123.4	0.00	1.62	0.59	0	4	1	97	0.00	0.0	7.300	0.005	0	0	0	3
PL.4035	PD.485	B	6 A (CWC)	7.40Y	123.4	0.00	1.62	0.59	0	4	1	97	0.00	0.0	7.405	0.105	4	1	3	3
PL.3732	PL.10581	ABC	#1/0 ACSR	7.40Y	123.3	0.04	1.66	21.76	9	465	131	96	0.14	0.0	7.405	0.110	0	0	0	114

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Balanced Voltage Drop Report
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Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.3525	PL.3732	ABC	#1/0 ACSR	7.40Y	123.3	0.04	1.70	20.43	9	436	123	96	0.12	0.0	7.512	0.106	1	0	1	107
PL.3735	PL.3525	ABC	#1/0 ACSR	7.39Y	123.2	0.07	1.77	20.36	9	435	123	96	0.21	0.0	7.699	0.188	0	0	0	106
PL.3983	PL.3735	ABC	#1/0 ACSR	7.39Y	123.2	0.05	1.82	20.36	9	435	123	96	0.15	0.0	7.837	0.138	2	1	5	106
PL.3985	PL.3983	ABC	#1/0 ACSR	7.39Y	123.2	0.02	1.84	20.24	9	432	122	96	0.07	0.0	7.905	0.068	1	0	1	101
PL.3986	PL.3985	ABC	#1/0 ACSR	7.39Y	123.1	0.03	1.87	20.17	9	430	121	96	0.09	0.0	7.989	0.085	7	2	2	100
PL.3984	PL.3986	ABC	#1/0 ACSR	7.39Y	123.1	0.02	1.89	19.82	9	423	119	96	0.06	0.0	8.046	0.057	0	0	0	98
PL.3506	PL.3984	A	#2 ACSR	7.39Y	123.1	0.00	1.89	0.85	0	6	2	95	0.00	0.0	8.051	0.004	0	0	0	1
PD.469	PL.3506	A	15T	7.39Y	123.1	0.00	1.89	0.85	0	6	2	95	0.00	0.0	8.051	0.004	0	0	0	1
PL.3507	PD.469	A	#2 ACSR	7.39Y	123.1	0.00	1.89	0.85	0	6	2	95	0.00	0.0	8.078	0.027	6	2	1	1
PL.3526	PL.3984	ABC	#1/0 ACSR	7.38Y	123.0	0.07	1.96	19.54	8	417	117	96	0.19	0.0	8.237	0.191	9	2	1	97
PL.3980	PL.3526	ABC	#1/0 ACSR	7.38Y	123.0	0.02	1.98	19.12	8	408	115	96	0.06	0.0	8.299	0.062	0	0	0	96
PL.3981	PL.3980	ABC	#1/0 ACSR	7.38Y	123.0	0.03	2.01	18.88	8	402	113	96	0.08	0.0	8.388	0.089	10	3	3	95
PL.3982	PL.3981	ABC	#1/0 ACSR	7.38Y	123.0	0.02	2.03	18.42	8	393	110	96	0.05	0.0	8.450	0.062	9	3	2	92
PL.4050	PL.3982	ABC	#1/0 ACSR	7.38Y	123.0	0.01	2.04	17.99	8	383	108	96	0.03	0.0	8.486	0.036	0	0	0	90
PL.4051	PL.4050	ABC	#1/0 ACSR	7.38Y	122.9	0.03	2.07	17.99	8	383	108	96	0.08	0.0	8.577	0.091	0	0	0	90
PL.3502	PL.4051	C	#2 ACSR	7.38Y	122.9	0.00	2.07	6.14	4	44	12	96	0.00	0.0	8.581	0.004	0	0	0	9
PD.467	PL.3502	C	40QA	7.38Y	122.9	0.00	2.07	6.14	15	44	12	96	0.00	0.0	8.581	0.004	0	0	0	9
PL.3503	PD.467	C	#2 ACSR	7.38Y	122.9	0.00	2.08	6.14	4	44	12	96	0.00	0.0	8.594	0.013	0	0	0	9
PL.3736	PL.3503	C	#2 ACSR	7.38Y	122.9	0.00	2.08	6.14	4	44	12	96	0.00	0.0	8.630	0.036	44	12	9	9
PL.3527	PL.4051	ABC	#1/0 ACSR	7.37Y	122.9	0.04	2.11	15.95	7	340	96	96	0.08	0.0	8.700	0.123	0	0	0	81
PL.3528	PL.3527	ABC	#1/0 ACSR	7.37Y	122.9	0.01	2.12	9.01	4	192	54	96	0.02	0.0	8.785	0.085	0	0	0	42
PL.3533	PL.3528	ABC	#1/0 ACSR	7.37Y	122.8	0.03	2.15	7.93	3	169	47	96	0.03	0.0	8.980	0.195	0	0	0	38
PL.3816	PL.3533	ABC	#1/0 ACSR	7.37Y	122.8	0.02	2.17	7.93	3	169	47	96	0.03	0.0	9.133	0.153	0	0	0	38
PL.3754	PL.3816	ABC	#1/0 ACSR	7.37Y	122.8	0.03	2.21	7.93	3	169	47	96	0.04	0.0	9.363	0.230	0	0	0	38
PL.3534	PL.3754	ABC	#1/0 ACSR	7.37Y	122.8	0.02	2.22	7.71	3	164	46	96	0.02	0.0	9.490	0.127	0	0	0	36
PL.3949	PL.3534	ABC	#3/0 ACSR	7.37Y	122.8	0.00	2.23	2.44	1	52	14	97	0.00	0.0	9.569	0.079	0	0	0	16
PL.3950	PL.3949	ABC	#3/0 ACSR	7.37Y	122.8	0.01	2.23	2.44	1	52	14	97	0.00	0.0	9.751	0.182	0	0	0	16
PL.3845	PL.3950	ABC	#1/0 ACSR	7.37Y	122.8	0.01	2.24	2.44	1	52	14	97	0.00	0.0	9.890	0.140	0	0	0	16
PL.3823	PL.3845	ABC	#1/0 ACSR	7.37Y	122.8	0.01	2.24	2.44	1	52	14	97	0.00	0.0	10.023	0.133	0	0	0	16
PL.3494	PL.3823	B	6 A (CWC)	7.36Y	122.7	0.03	2.28	7.31	5	52	14	97	0.01	0.0	10.120	0.096	0	0	0	16
PD.463	PL.3494	B	40QA	7.36Y	122.7	0.00	2.28	7.31	18	52	14	97	0.00	0.0	10.120	0.096	0	0	0	16

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.3495	PD.463	B	6 A (CWC)	7.36Y	122.7	0.06	2.33	7.31	5	52	14	97	0.02	0.0	10.297	0.177	0	0	0	16
PL.3757	PL.3495	B	6 A (CWC)	7.36Y	122.7	0.00	2.34	1.94	1	14	4	96	0.00	0.0	10.360	0.063	7	2	2	3
PL.3760	PL.3757	B	6 A (CWC)	7.36Y	122.7	0.00	2.34	0.97	1	7	2	96	0.00	0.0	10.458	0.098	7	2	1	1
PL.32697	PL.3495	B	6 A (CWC)	7.36Y	122.6	0.02	2.36	5.37	4	38	11	96	0.01	0.0	10.394	0.097	3	1	1	13
PL.32696	PL.32697	B	6 A (CWC)	7.36Y	122.6	0.00	2.36	4.93	4	35	10	96	0.00	0.0	10.415	0.022	1	0	1	12
PL.3938	PL.32696	B	6 A (CWC)	7.36Y	122.6	0.02	2.38	4.73	3	34	9	97	0.01	0.0	10.518	0.102	4	1	4	11
PL.3936	PL.3938	B	6 A (CWC)	7.36Y	122.6	0.01	2.39	4.24	3	30	8	97	0.00	0.0	10.573	0.055	3	1	2	7
PL.3935	PL.3936	B	6 A (CWC)	7.36Y	122.6	0.01	2.40	3.84	3	27	8	96	0.00	0.0	10.631	0.058	0	0	0	5
PL.3933	PL.3935	B	6 A (CWC)	7.36Y	122.6	0.01	2.41	3.28	2	23	6	97	0.00	0.0	10.680	0.049	6	2	1	4
PL.3934	PL.3933	B	6 A (CWC)	7.35Y	122.6	0.01	2.42	2.46	2	17	5	96	0.00	0.0	10.795	0.115	10	3	1	3
PL.3932	PL.3934	B	6 A (CWC)	7.35Y	122.6	0.00	2.42	0.98	1	7	2	96	0.00	0.0	10.882	0.087	1	0	1	2
PL.3775	PL.3932	B	6 A (CWC)	7.35Y	122.6	0.00	2.42	0.00	0	0	0	100	0.00	0.0	10.944	0.062	0	0	0	0
PL.3774	PL.3932	B	#2 ACSR	7.35Y	122.6	0.00	2.43	0.80	0	6	2	95	0.00	0.0	10.973	0.091	0	0	0	1
PL.3536	PL.3774	B	#2 ACSR	7.35Y	122.6	0.00	2.43	0.00	0	0	0	100	0.00	0.0	11.095	0.122	0	0	0	0
PL.3776	PL.3774	B	#4 ACSR	7.35Y	122.6	0.00	2.43	0.80	1	6	2	95	0.00	0.0	10.993	0.020	6	2	1	1
PL.3773	PL.3935	B	6 A (CWC)	7.36Y	122.6	0.00	2.40	0.56	0	4	1	97	0.00	0.0	10.701	0.070	4	1	1	1
PL.3764	PL.3534	B	6 A (CWC)	7.36Y	122.7	0.03	2.26	15.83	11	112	31	96	0.03	0.0	9.539	0.049	13	4	3	20
PL.3766	PL.3764	B	6 A (CWC)	7.36Y	122.7	0.00	2.26	14.00	10	99	28	96	0.00	0.0	9.544	0.005	0	0	0	17
PD.462	PL.3766	B	20T	7.36Y	122.7	0.00	2.26	14.00	0	99	28	96	0.00	0.0	9.544	0.005	0	0	0	17
PL.3856	PD.462	B	6 A (CWC)	7.36Y	122.7	0.00	2.26	0.91	1	6	2	95	0.00	0.0	9.559	0.015	0	0	0	1
PL.3765	PL.3856	B	6 A (CWC)	7.36Y	122.7	0.00	2.26	0.91	1	6	2	95	0.00	0.0	9.570	0.010	6	2	1	1
PL.3535	PD.462	B	6 A (CWC)	7.36Y	122.7	0.03	2.29	13.09	9	93	26	96	0.02	0.0	9.597	0.053	8	2	1	16
PL.3767	PL.3535	B	6 A (CWC)	7.36Y	122.7	0.02	2.31	12.03	9	85	24	96	0.01	0.0	9.643	0.046	15	4	2	15
PL.3941	PL.3767	B	6 A (CWC)	7.36Y	122.7	0.03	2.35	8.84	6	63	18	96	0.01	0.0	9.722	0.079	0	0	1	12
PL.3947	PL.3941	B	6 A (CWC)	7.36Y	122.6	0.01	2.36	8.80	6	62	17	96	0.00	0.0	9.750	0.028	9	2	1	11
PL.3948	PL.3947	B	6 A (CWC)	7.36Y	122.6	0.01	2.37	7.55	5	54	15	96	0.00	0.0	9.790	0.040	18	5	2	10
PL.3770	PL.3948	B	6 A (CWC)	7.36Y	122.6	0.02	2.39	4.22	3	30	8	97	0.00	0.0	9.902	0.112	0	0	0	6
PL.3771	PL.3770	B	#4 ACSR	7.36Y	122.6	0.00	2.39	0.64	0	5	1	98	0.00	0.0	9.937	0.035	5	1	1	1
PL.3944	PL.3770	B	6 A (CWC)	7.36Y	122.6	0.01	2.40	3.58	3	25	7	96	0.00	0.0	9.967	0.064	3	1	1	5
PL.3945	PL.3944	B	6 A (CWC)	7.36Y	122.6	0.00	2.40	3.15	2	22	6	96	0.00	0.0	10.008	0.041	11	3	1	4
PL.3946	PL.3945	B	6 A (CWC)	7.36Y	122.6	0.00	2.41	1.61	1	11	3	96	0.00	0.0	10.085	0.077	5	1	1	3

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.3942	PL.3946	B	6 A (CWC)	7.36Y	122.6	0.00	2.41	0.87	1	6	2	95	0.00	0.0	10.171	0.086	2	0	1	2
PL.3943	PL.3942	B	6 A (CWC)	7.36Y	122.6	0.00	2.42	0.65	0	5	1	98	0.00	0.0	10.319	0.148	0	0	0	1
PL.3821	PL.3943	B	6 A (CWC)	7.35Y	122.6	0.00	2.42	0.65	0	5	1	98	0.00	0.0	10.442	0.123	5	1	1	1
PL.3769	PL.3948	B	#2 ACSR	7.36Y	122.6	0.00	2.37	0.80	0	6	2	95	0.00	0.0	9.830	0.039	1	0	1	2
PL.3772	PL.3769	B	#1/0 ACSR	7.36Y	122.6	0.00	2.37	0.66	0	5	1	98	0.00	0.0	9.976	0.147	0	0	0	1
PL.3818	PL.3772	B	#1/0 ACSR	7.36Y	122.6	0.00	2.37	0.66	0	5	1	98	0.00	0.0	10.095	0.119	0	0	0	1
PL.3819	PL.3818	B	#1/0 ACSR	7.36Y	122.6	0.00	2.37	0.66	0	5	1	98	0.00	0.0	10.180	0.084	5	1	1	1
PL.3768	PL.3767	B	#4 ACSR	7.36Y	122.7	0.00	2.31	1.03	1	7	2	96	0.00	0.0	9.684	0.041	7	2	1	1
PL.3496	PL.3754	A	#2 ACSR	7.37Y	122.8	0.00	2.21	0.66	0	5	1	98	0.00	0.0	9.368	0.005	0	0	0	2
PD.464	PL.3496	A	40QA	7.37Y	122.8	0.00	2.21	0.66	2	5	1	98	0.00	0.0	9.368	0.005	0	0	0	2
PL.3497	PD.464	A	#2 ACSR	7.37Y	122.8	0.00	2.21	0.66	0	5	1	98	0.00	0.0	9.408	0.040	5	1	2	2
PL.3500	PL.3528	C	6 A (CWC)	7.37Y	122.9	0.00	2.12	3.22	2	23	6	97	0.00	0.0	8.790	0.005	0	0	0	4
PD.466	PL.3500	C	40QA	7.37Y	122.9	0.00	2.12	3.22	8	23	6	97	0.00	0.0	8.790	0.005	0	0	0	4
PL.3501	PD.466	C	6 A (CWC)	7.37Y	122.9	0.01	2.13	3.22	2	23	6	97	0.00	0.0	8.858	0.069	23	6	4	4
PL.4044	PL.3527	A	#1/0 ACSR	7.37Y	122.9	0.00	2.11	20.82	9	148	42	96	0.00	0.0	8.702	0.003	0	0	0	39
PL.10582	PL.4044	A	#1/0 ACSR	7.37Y	122.9	0.01	2.12	20.82	9	148	42	96	0.01	0.0	8.721	0.019	0	0	0	39
PD.1911	PL.10582	A	100CodeSMo	7.37Y	122.9	0.00	2.12	20.82	0	148	42	96	0.00	0.0	8.721	0.019	0	0	0	39
PL.10583	PD.1911	A	#1/0 ACSR	7.37Y	122.8	0.09	2.21	20.82	9	148	42	96	0.09	0.1	8.910	0.189	0	0	0	39
PL.3953	PL.10583	A	#1/0 ACSR	7.36Y	122.7	0.06	2.27	20.82	9	148	42	96	0.06	0.0	9.031	0.121	4	1	2	39
PL.3738	PL.3953	A	#1/0 ACSR	7.36Y	122.6	0.11	2.38	20.25	9	144	40	96	0.10	0.1	9.257	0.226	0	0	0	37
PL.3803	PL.3738	A	#1/0 ACSR	7.35Y	122.5	0.10	2.48	20.25	9	143	40	96	0.09	0.1	9.469	0.212	0	0	0	37
PL.3971	PL.3803	A	#1/0 ACSR	7.35Y	122.5	0.04	2.51	20.25	9	143	40	96	0.04	0.0	9.553	0.084	4	1	1	37
PL.3972	PL.3971	A	#1/0 ACSR	7.35Y	122.4	0.04	2.55	19.73	9	140	39	96	0.04	0.0	9.640	0.087	0	0	0	36
PL.3966	PL.3972	A	#1/0 ACSR	7.35Y	122.4	0.01	2.56	5.31	2	38	10	97	0.00	0.0	9.726	0.086	3	1	1	8
PL.3967	PL.3966	A	#1/0 ACSR	7.35Y	122.4	0.01	2.57	4.90	2	35	10	96	0.00	0.0	9.820	0.094	0	0	0	7
PL.3965	PL.3967	A	#1/0 ACSR	7.34Y	122.4	0.01	2.59	4.90	2	35	10	96	0.00	0.0	9.928	0.108	2	1	1	7
PL.3964	PL.3965	A	#1/0 ACSR	7.34Y	122.4	0.01	2.60	4.62	2	33	9	96	0.00	0.0	10.019	0.090	2	0	1	6
PL.3739	PL.3964	A	#4 ACSR	7.34Y	122.4	0.00	2.60	0.29	0	2	1	89	0.00	0.0	10.073	0.054	2	1	1	1
PL.3962	PL.3964	A	#1/0 ACSR	7.34Y	122.4	0.01	2.61	4.10	2	29	8	96	0.00	0.0	10.114	0.096	0	0	0	4
PL.3963	PL.3962	A	#1/0 ACSR	7.34Y	122.4	0.00	2.61	4.10	2	29	8	96	0.00	0.0	10.164	0.050	0	0	0	4
PL.3741	PL.3963	A	6 A (CWC)	7.34Y	122.4	0.00	2.61	0.17	0	1	0	100	0.00	0.0	10.197	0.033	0	0	0	2

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.3742	PL.3741	A	6 A (CWC)	7.34Y	122.4	0.00	2.61	0.17	0	1	0	100	0.00	0.0	10.234	0.037	1	0	2	2
PL.3740	PL.3963	A	#1/0 ACSR	7.34Y	122.4	0.01	2.62	3.92	2	28	8	96	0.00	0.0	10.315	0.151	0	0	0	2
PL.3498	PL.3740	A	#1/0 ACSR	7.34Y	122.4	0.00	2.62	3.67	2	26	7	97	0.00	0.0	10.320	0.005	0	0	0	1
PD.465	PL.3498	A	40QA	7.34Y	122.4	0.00	2.62	3.67	9	26	7	97	0.00	0.0	10.320	0.005	0	0	0	1
PL.3743	PD.465	A	#1/0 ACSR	7.34Y	122.4	0.02	2.64	3.67	2	26	7	97	0.00	0.0	10.502	0.182	0	0	0	1
PL.3805	PL.3743	A	#1/0 ACSR	7.34Y	122.4	0.01	2.65	3.67	2	26	7	97	0.00	0.0	10.621	0.119	0	0	0	1
PL.3806	PL.3805	A	#1/0 ACSR	7.34Y	122.3	0.01	2.66	3.67	2	26	7	97	0.00	0.0	10.743	0.122	0	0	0	1
PL.3807	PL.3806	A	#1/0 ACSR	7.34Y	122.3	0.01	2.67	3.67	2	26	7	97	0.00	0.0	10.865	0.122	26	7	1	1
PL.3529	PL.3740	A	#1/0 ACSR	7.34Y	122.4	0.00	2.62	0.25	0	2	1	89	0.00	0.0	10.480	0.165	2	1	1	1
PL.3968	PL.3972	A	#1/0 ACSR	7.35Y	122.4	0.02	2.57	14.42	6	102	29	96	0.01	0.0	9.688	0.048	4	1	3	28
PL.3969	PL.3968	A	#1/0 ACSR	7.34Y	122.4	0.02	2.59	13.86	6	98	28	96	0.01	0.0	9.757	0.069	5	1	2	25
PL.3960	PL.3969	A	#1/0 ACSR	7.34Y	122.4	0.06	2.65	13.21	6	93	26	96	0.04	0.0	9.946	0.190	0	0	0	23
PL.3961	PL.3960	A	#1/0 ACSR	7.34Y	122.3	0.05	2.70	13.21	6	93	26	96	0.03	0.0	10.097	0.151	0	0	0	23
PL.3744	PL.3961	A	#4 ACSR	7.34Y	122.3	0.00	2.70	1.29	1	9	3	95	0.00	0.0	10.137	0.039	9	3	1	1
PL.3530	PL.3961	A	#1/0 ACSR	7.34Y	122.3	0.04	2.73	11.91	5	84	24	96	0.02	0.0	10.227	0.130	4	1	2	22
PL.3745	PL.3530	A	#1/0 ACSR	7.33Y	122.2	0.02	2.76	11.37	5	80	22	96	0.01	0.0	10.318	0.091	0	0	0	20
PL.3492	PL.3745	A	6 A (CWC)	7.33Y	122.2	0.00	2.76	8.85	6	63	17	97	0.00	0.0	10.323	0.004	0	0	0	15
PD.461	PL.3492	A	25T	7.33Y	122.2	0.00	2.76	8.85	0	63	17	97	0.00	0.0	10.323	0.004	0	0	0	15
PL.3493	PD.461	A	6 A (CWC)	7.33Y	122.2	0.03	2.79	8.85	6	63	17	97	0.01	0.0	10.397	0.074	0	0	0	15
PL.3748	PL.3493	A	6 A (CWC)	7.33Y	122.1	0.07	2.86	8.85	6	63	17	97	0.03	0.1	10.584	0.188	10	3	3	15
PL.3749	PL.3748	A	#4 ACSR	7.33Y	122.1	0.00	2.86	0.42	0	3	1	95	0.00	0.0	10.661	0.077	3	1	1	1
PL.3750	PL.3748	A	#4 ACSR	7.33Y	122.1	0.05	2.91	7.08	5	50	14	96	0.02	0.0	10.738	0.154	0	0	0	11
PL.3808	PL.3750	A	#4 ACSR	7.32Y	122.0	0.05	2.96	7.08	5	50	14	96	0.02	0.0	10.895	0.157	0	0	0	11
PL.3809	PL.3808	A	#4 ACSR	7.32Y	122.0	0.04	3.00	7.08	5	50	14	96	0.02	0.0	11.034	0.139	0	0	0	11
PL.3958	PL.3809	A	#4 ACSR	7.32Y	122.0	0.05	3.05	7.08	5	50	14	96	0.02	0.0	11.195	0.160	3	1	1	11
PL.3959	PL.3958	A	#4 ACSR	7.31Y	121.9	0.06	3.11	6.65	5	47	13	96	0.02	0.0	11.388	0.193	0	0	0	10
PL.3751	PL.3959	A	#4 ACSR	7.31Y	121.9	0.00	3.11	0.28	0	2	1	89	0.00	0.0	11.427	0.039	2	1	1	1
PL.3531	PL.3959	A	#4 ACSR	7.31Y	121.9	0.03	3.14	6.37	5	45	13	96	0.01	0.0	11.508	0.120	0	0	0	9
PL.3954	PL.3531	A	#4 ACSR	7.31Y	121.8	0.03	3.17	6.37	5	45	13	96	0.01	0.0	11.610	0.102	4	1	2	9
PL.3955	PL.3954	A	#4 ACSR	7.31Y	121.8	0.03	3.20	5.80	4	41	11	97	0.01	0.0	11.752	0.142	12	3	1	7
PL.3956	PL.3955	A	#4 ACSR	7.31Y	121.8	0.01	3.21	4.05	3	29	8	96	0.00	0.0	11.816	0.063	11	3	4	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: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.3957	PL.3956	A	#4 ACSR	7.31Y	121.8	0.01	3.21	2.46	2	17	5	96	0.00	0.0	11.866	0.050	0	0	0	2
PL.3753	PL.3957	A	#4 ACSR	7.31Y	121.8	0.00	3.22	1.50	1	11	3	96	0.00	0.0	12.005	0.139	11	3	1	1
PL.3532	PL.3957	A	#4 ACSR	7.31Y	121.8	0.00	3.21	0.00	0	0	0	100	0.00	0.0	11.897	0.031	0	0	0	0
PL.3752	PL.3957	A	#4 ACSR	7.31Y	121.8	0.00	3.21	0.96	1	7	2	96	0.00	0.0	11.919	0.053	7	2	1	1
PL.4036	PL.3745	A	6 A (CWC)	7.33Y	122.2	0.00	2.76	2.52	2	18	5	96	0.00	0.0	10.323	0.005	0	0	0	5
PD.486	PL.4036	A	15T	7.33Y	122.2	0.00	2.76	2.52	0	18	5	96	0.00	0.0	10.323	0.005	0	0	0	5
PL.4037	PD.486	A	6 A (CWC)	7.33Y	122.2	0.01	2.76	2.52	2	18	5	96	0.00	0.0	10.416	0.093	6	2	1	5
PL.3940	PL.4037	A	6 A (CWC)	7.33Y	122.2	0.01	2.77	1.65	1	12	3	97	0.00	0.0	10.533	0.117	7	2	1	4
PL.3939	PL.3940	A	6 A (CWC)	7.33Y	122.2	0.01	2.78	0.61	0	4	1	97	0.00	0.0	10.713	0.180	0	0	0	3
PL.3842	PL.3939	A	6 A (CWC)	7.33Y	122.2	0.01	2.78	0.61	0	4	1	97	0.00	0.0	10.896	0.183	0	0	0	3
PL.3812	PL.3842	A	6 A (CWC)	7.33Y	122.2	0.00	2.78	0.61	0	4	1	97	0.00	0.0	11.008	0.112	0	0	0	3
PL.3843	PL.3812	A	6 A (CWC)	7.33Y	122.2	0.00	2.79	0.61	0	4	1	97	0.00	0.0	11.116	0.107	0	0	0	3
PL.3813	PL.3843	A	6 A (CWC)	7.33Y	122.2	0.00	2.79	0.61	0	4	1	97	0.00	0.0	11.235	0.119	2	1	1	3
PL.3746	PL.3813	A	#4 ACSR	7.33Y	122.2	0.00	2.79	0.33	0	2	1	89	0.00	0.0	11.353	0.118	0	0	0	2
PL.3814	PL.3746	A	#4 ACSR	7.33Y	122.2	0.00	2.79	0.33	0	2	1	89	0.00	0.0	11.515	0.162	0	0	1	2
PL.3747	PL.3814	A	#2 ACSR	7.33Y	122.2	0.00	2.79	0.33	0	2	1	89	0.00	0.0	11.683	0.168	2	1	1	1
CP.8	PL.4050	ABC	Cap (300)	7.38Y	123.0	0.00	2.04	0.00	0	0	0	100	0.00	0.0	8.486	0.168	0	0	0	0
PL.3504	PL.3980	A	6 A (CWC)	7.38Y	123.0	0.00	1.98	0.72	1	5	1	98	0.00	0.0	8.304	0.005	0	0	0	1
PD.468	PL.3504	A	40QA	7.38Y	123.0	0.00	1.98	0.72	2	5	1	98	0.00	0.0	8.304	0.005	0	0	0	1
PL.3505	PD.468	A	6 A (CWC)	7.38Y	123.0	0.00	1.98	0.72	1	5	1	98	0.00	0.0	8.358	0.054	5	1	1	1
PL.3734	PL.3732	C	6 A (CWC)	7.40Y	123.3	0.01	1.67	4.02	3	29	8	96	0.00	0.0	7.462	0.057	1	0	1	7
PL.3508	PL.3734	C	6 A (CWC)	7.40Y	123.3	0.00	1.67	3.89	3	28	8	96	0.00	0.0	7.466	0.005	0	0	0	6
PD.470	PL.3508	C	20T	7.40Y	123.3	0.00	1.67	3.89	0	28	8	96	0.00	0.0	7.466	0.005	0	0	0	6
PL.3509	PD.470	C	6 A (CWC)	7.40Y	123.3	0.02	1.69	3.89	3	28	8	96	0.00	0.0	7.553	0.087	0	0	0	6
PL.3987	PL.3509	C	#4 ACSR	7.40Y	123.3	0.02	1.70	3.89	3	28	8	96	0.00	0.0	7.664	0.110	0	0	0	6
PL.3988	PL.3987	C	#4 ACSR	7.40Y	123.3	0.03	1.73	3.89	3	28	8	96	0.01	0.0	7.815	0.151	0	0	0	6
PL.3797	PL.3988	C	#4 ACSR	7.39Y	123.2	0.03	1.76	3.89	3	28	8	96	0.01	0.0	7.965	0.150	0	0	0	6
PL.3836	PL.3797	C	#4 ACSR	7.39Y	123.2	0.03	1.79	3.89	3	28	8	96	0.01	0.0	8.144	0.178	0	0	0	6
PL.3799	PL.3836	C	#4 ACSR	7.39Y	123.2	0.02	1.81	3.89	3	28	8	96	0.01	0.0	8.284	0.141	0	0	0	6
PL.3975	PL.3799	C	6 A (CWC)	7.39Y	123.2	0.01	1.83	3.89	3	28	8	96	0.00	0.0	8.388	0.103	12	3	2	6
PL.3976	PL.3975	C	6 A (CWC)	7.39Y	123.2	0.01	1.84	2.24	2	16	4	97	0.00	0.0	8.487	0.099	0	0	0	4

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.3837	PL.3976	C	6 A (CWC)	7.39Y	123.2	0.01	1.85	2.24	2	16	4	97	0.00	0.0	8.674	0.187	15	4	3	4
PL.10578	PL.3837	C	6 A (CWC)	7.39Y	123.2	0.00	1.85	0.15	0	1	0	100	0.00	0.0	8.722	0.048	0	0	0	1
PL.10579	PL.10578	C	6 A (CWC)	7.39Y	123.2	0.00	1.85	0.15	0	1	0	100	0.00	0.0	8.771	0.049	0	0	0	1
PL.3838	PL.10579	C	6 A (CWC)	7.39Y	123.2	0.00	1.85	0.15	0	1	0	100	0.00	0.0	8.881	0.110	0	0	0	1
PL.3800	PL.3838	C	6 A (CWC)	7.39Y	123.2	0.00	1.85	0.15	0	1	0	100	0.00	0.0	9.022	0.140	0	0	0	1
PL.3801	PL.3800	C	6 A (CWC)	7.39Y	123.1	0.00	1.85	0.15	0	1	0	100	0.00	0.0	9.150	0.129	0	0	0	1
PL.3802	PL.3801	C	6 A (CWC)	7.39Y	123.1	0.00	1.85	0.15	0	1	0	100	0.00	0.0	9.294	0.143	0	0	0	1
PL.3977	PL.3802	C	6 A (CWC)	7.39Y	123.1	0.00	1.85	0.15	0	1	0	100	0.00	0.0	9.387	0.093	1	0	1	1
PL.3978	PL.3977	C	6 A (CWC)	7.39Y	123.1	0.00	1.85	0.00	0	0	0	100	0.00	0.0	9.439	0.052	0	0	0	0
PL.3512	PL.3851	C	#4 ACSR	7.41Y	123.6	0.00	1.44	0.60	0	4	1	97	0.00	0.0	6.821	0.005	0	0	0	4
PD.472	PL.3512	C	40QA	7.41Y	123.6	0.00	1.44	0.60	2	4	1	97	0.00	0.0	6.821	0.005	0	0	0	4
PL.3513	PD.472	C	#4 ACSR	7.41Y	123.6	0.00	1.44	0.60	0	4	1	97	0.00	0.0	6.846	0.026	4	1	2	4
PL.3730	PL.3513	C	#4 ACSR	7.41Y	123.6	0.00	1.44	0.00	0	0	0	100	0.00	0.0	6.907	0.060	0	0	2	2
PL.3728	PL.3723	A	6 A (CWC)	7.42Y	123.6	0.00	1.37	2.01	1	14	4	96	0.00	0.0	6.570	0.054	0	0	0	5
PL.3551	PL.3728	A	6 A (CWC)	7.42Y	123.6	0.00	1.37	2.01	1	14	4	96	0.00	0.0	6.575	0.004	0	0	0	5
PD.473	PL.3551	A	40QA	7.42Y	123.6	0.00	1.37	2.01	5	14	4	96	0.00	0.0	6.575	0.004	0	0	0	5
PL.3552	PD.473	A	6 A (CWC)	7.42Y	123.6	0.00	1.37	2.01	1	14	4	96	0.00	0.0	6.589	0.014	1	0	2	5
PL.3991	PL.3552	A	6 A (CWC)	7.42Y	123.6	0.01	1.38	1.85	1	13	4	96	0.00	0.0	6.725	0.137	4	1	1	3
PL.3989	PL.3991	A	6 A (CWC)	7.42Y	123.6	0.00	1.38	1.30	1	9	3	95	0.00	0.0	6.754	0.029	0	0	0	2
PL.3990	PL.3989	A	6 A (CWC)	7.42Y	123.6	0.00	1.39	1.30	1	9	3	95	0.00	0.0	6.828	0.074	9	3	2	2
PL.3727	PL.3723	A	#4 ACSR	7.42Y	123.6	0.01	1.37	4.06	3	29	8	96	0.00	0.0	6.594	0.078	23	6	5	6
PL.3553	PL.3727	A	#4 ACSR	7.42Y	123.6	0.00	1.37	0.89	1	6	2	95	0.00	0.0	6.598	0.005	0	0	0	1
PD.474	PL.3553	A	40QA	7.42Y	123.6	0.00	1.37	0.89	2	6	2	95	0.00	0.0	6.598	0.005	0	0	0	1
PL.3554	PD.474	A	#4 ACSR	7.42Y	123.6	0.00	1.38	0.89	1	6	2	95	0.00	0.0	6.644	0.045	6	2	1	1
PL.3555	PL.3722	A	6 A (CWC)	7.42Y	123.7	0.00	1.30	0.60	0	4	1	97	0.00	0.0	6.283	0.004	0	0	0	1
PD.475	PL.3555	A	40QA	7.42Y	123.7	0.00	1.30	0.60	1	4	1	97	0.00	0.0	6.283	0.004	0	0	0	1
PL.3729	PD.475	A	6 A (CWC)	7.42Y	123.7	0.00	1.30	0.60	0	4	1	97	0.00	0.0	6.384	0.101	4	1	1	1
PL.4030	PL.3794	C	#4 ACSR	7.43Y	123.8	0.00	1.20	0.03	0	0	0	100	0.00	0.0	5.904	0.005	0	0	0	1
PD.483	PL.4030	C	15T	7.43Y	123.8	0.00	1.20	0.03	0	0	0	100	0.00	0.0	5.904	0.005	0	0	0	1
PL.4031	PD.483	C	#4 ACSR	7.43Y	123.8	0.00	1.20	0.03	0	0	0	100	0.00	0.0	5.964	0.060	0	0	1	1
PL.4016	PL.3848	C	#4 ACSR	7.43Y	123.9	0.00	1.10	4.55	3	33	9	96	0.00	0.0	5.560	0.005	0	0	0	6

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% 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.477	PL.4016	C	40QA	7.43Y	123.9	0.00	1.10	4.55	11	33	9	96	0.00	0.0	5.560	0.005	0	0	0	6
PL.4017	PD.477	C	#4 ACSR	7.43Y	123.9	0.01	1.11	4.55	3	33	9	96	0.00	0.0	5.612	0.052	6	2	1	6
PL.3715	PL.4017	C	#4 ACSR	7.43Y	123.9	0.01	1.12	3.72	3	27	7	97	0.00	0.0	5.651	0.039	0	0	0	5
PL.3717	PL.3715	C	#2 ACSR	7.43Y	123.9	0.00	1.12	1.39	1	10	3	96	0.00	0.0	5.708	0.057	0	0	0	1
PL.3718	PL.3717	C	#2 ACSR	7.43Y	123.9	0.00	1.12	1.39	1	10	3	96	0.00	0.0	5.745	0.037	10	3	1	1
PL.3716	PL.3715	C	#4 ACSR	7.43Y	123.9	0.00	1.12	2.34	2	17	5	96	0.00	0.0	5.719	0.068	17	5	4	4
PL.4018	PL.3847	C	6 A (CWC)	7.44Y	123.9	0.00	1.08	0.64	0	5	1	98	0.00	0.0	5.477	0.005	0	0	0	1
PD.478	PL.4018	C	40QA	7.44Y	123.9	0.00	1.08	0.64	2	5	1	98	0.00	0.0	5.477	0.005	0	0	0	1
PL.4019	PD.478	C	6 A (CWC)	7.44Y	123.9	0.00	1.08	0.64	0	5	1	98	0.00	0.0	5.510	0.033	5	1	1	1
PL.4001	PL.3833	C	6 A (CWC)	7.46Y	124.3	0.00	0.75	0.48	0	3	1	95	0.00	0.0	4.627	0.005	0	0	0	2
PD.446	PL.4001	C	40QA	7.46Y	124.3	0.00	0.75	0.48	1	3	1	95	0.00	0.0	4.627	0.005	0	0	0	2
PL.3712	PD.446	C	6 A (CWC)	7.46Y	124.3	0.00	0.75	0.48	0	3	1	95	0.00	0.0	4.761	0.134	3	1	2	2
PL.2946	PL.3918	C	#4 ACSR	7.40Y	123.4	0.00	1.61	0.59	0	4	1	97	0.00	0.0	2.161	0.005	0	0	0	1
PD.452	PL.2946	C	40QA	7.40Y	123.4	0.00	1.61	0.59	1	4	1	97	0.00	0.0	2.161	0.005	0	0	0	1
PL.2947	PD.452	C	#4 ACSR	7.40Y	123.4	0.00	1.61	0.59	0	4	1	97	0.00	0.0	2.207	0.047	4	1	1	1
PL.2948	PL.3923	A	#4 ACSR	7.41Y	123.5	0.00	1.49	1.35	1	10	3	96	0.00	0.0	1.990	0.005	0	0	0	2
PD.453	PL.2948	A	40QA	7.41Y	123.5	0.00	1.49	1.35	3	10	3	96	0.00	0.0	1.990	0.005	0	0	0	2
PL.2949	PD.453	A	#4 ACSR	7.41Y	123.5	0.00	1.49	1.35	1	10	3	96	0.00	0.0	2.063	0.073	10	3	2	2
PL.2950	PL.3919	C	#4 ACSR	7.42Y	123.7	0.00	1.33	1.11	1	8	2	97	0.00	0.0	1.760	0.005	0	0	0	1
PD.454	PL.2950	C	40QA	7.42Y	123.7	0.00	1.33	1.11	3	8	2	97	0.00	0.0	1.760	0.005	0	0	0	1
PL.2951	PD.454	C	#4 ACSR	7.42Y	123.7	0.00	1.33	1.11	1	8	2	97	0.00	0.0	1.807	0.048	0	0	0	1
PL.3629	PL.2951	C	#4 ACSR	7.42Y	123.7	0.00	1.33	1.11	1	8	2	97	0.00	0.0	1.837	0.030	8	2	1	1
PL.2952	PL.3538	C	6 A (CWC)	7.44Y	124.0	0.00	1.03	2.70	2	19	5	97	0.00	0.0	1.335	0.005	0	0	0	4
PD.455	PL.2952	C	40QA	7.44Y	124.0	0.00	1.03	2.70	7	19	5	97	0.00	0.0	1.335	0.005	0	0	0	4
PL.2953	PD.455	C	6 A (CWC)	7.44Y	124.0	0.00	1.03	2.70	2	19	5	97	0.00	0.0	1.355	0.020	3	1	1	4
PL.3625	PL.2953	C	6 A (CWC)	7.44Y	124.0	0.00	1.04	2.23	2	16	4	97	0.00	0.0	1.402	0.047	6	2	2	3
PL.3626	PL.3625	C	#2 ACSR	7.44Y	124.0	0.00	1.04	1.35	1	10	3	96	0.00	0.0	1.423	0.021	10	3	1	1
PL.3488	PL.3620	C	#1/0 ACSR	7.47Y	124.5	0.00	0.46	0.68	0	5	1	98	0.00	0.0	0.572	0.017	0	0	0	1
PD.459	PL.3488	C	40QA	7.47Y	124.5	0.00	0.46	0.68	2	5	1	98	0.00	0.0	0.572	0.017	0	0	0	1
PL.3489	PD.459	C	#1/0 ACSR	7.47Y	124.5	0.00	0.46	0.68	0	5	1	98	0.00	0.0	0.622	0.050	5	1	1	1
PL.3618	PL.3781	ABC	#1/0 ACSR	7.48Y	124.7	0.01	0.26	9.90	4	200	96	90	0.01	0.0	0.332	0.056	0	0	0	1

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

Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.4038	PL.3618	ABC	4/0 AL URD	7.48Y	124.7	0.00	0.26	9.90	4	200	96	90	0.00	0.0	0.336	0.005	0	0	0	1
PD.487	PL.4038	ABC	65T	7.48Y	124.7	0.00	0.26	9.90	0	200	96	90	0.00	0.0	0.336	0.005	0	0	0	1
PL.4039	PD.487	ABC	4/0 AL URD	7.48Y	124.7	0.00	0.26	9.90	4	200	96	90	0.00	0.0	0.379	0.043	200	97	1	1
PL.2956	PL.3780	C	6 A (CWC)	7.49Y	124.8	0.00	0.17	0.64	0	5	1	98	0.00	0.0	0.193	0.004	0	0	0	3
PD.457	PL.2956	C	40QA	7.49Y	124.8	0.00	0.17	0.64	2	5	1	98	0.00	0.0	0.193	0.004	0	0	0	3
PL.2957	PD.457	C	6 A (CWC)	7.49Y	124.8	0.00	0.17	0.64	0	5	1	98	0.00	0.0	0.242	0.048	5	1	3	3
PL.4053	Goose Rock	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	111.99	22	2410	734	96	0.05	0.0	0.005	0.005	0	0	0	666
PL.7159	PL.4053	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	111.99	22	2410	734	96	0.01	0.0	0.006	0.001	0	0	0	666
---------- Feeder No. 3 (Brightshade F3) Beginning with Device PD.1528 ----------																				
PD.1528	PL.7159	ABC	480VWE	7.50Y	125.0	0.00	0.00	111.99	0	2410	734	96	0.00	0.0	0.006	0.001	0	0	0	666
PL.7160	PD.1528	ABC	336 MCM AC	7.50Y	125.0	0.02	0.03	111.99	22	2410	734	96	0.30	0.0	0.034	0.028	0	0	0	666
PL.2860	PL.7160	ABC	336 MCM AC	7.49Y	124.9	0.10	0.13	111.99	22	2410	734	96	1.19	0.0	0.147	0.112	0	0	0	666
PL.2861	PL.2860	ABC	336 MCM AC	7.49Y	124.8	0.09	0.21	111.99	22	2409	731	96	1.07	0.0	0.248	0.101	0	0	0	666
PL.2862	PL.2861	ABC	336 MCM AC	7.48Y	124.7	0.06	0.27	111.99	22	2408	728	96	0.75	0.0	0.319	0.071	0	0	0	666
PL.2863	PL.2862	ABC	336 MCM AC	7.48Y	124.6	0.09	0.36	111.99	22	2407	727	96	1.07	0.0	0.420	0.101	0	0	0	666
PL.2575	PL.2863	C	#2 ACSR	7.48Y	124.6	0.00	0.36	2.78	2	20	6	96	0.00	0.0	0.443	0.023	0	0	1	4
PL.3420	PL.2575	C	#2 ACSR	7.48Y	124.6	0.00	0.36	2.78	2	20	6	96	0.00	0.0	0.447	0.005	0	0	0	3
PD.373	PL.3420	C	40QA	7.48Y	124.6	0.00	0.36	2.78	7	20	6	96	0.00	0.0	0.447	0.005	0	0	0	3
PL.3421	PD.373	C	#2 ACSR	7.48Y	124.6	0.01	0.37	2.78	2	20	6	96	0.00	0.0	0.601	0.154	20	6	3	3
PL.65760	PL.3421	C	#1/0 ACSR	7.48Y	124.6	0.00	0.37	0.00	0	0	0	100	0.00	0.0	0.709	0.108	0	0	0	0
PL.2579	PL.2863	ABC	336 MCM AC	7.47Y	124.5	0.15	0.51	109.73	21	2357	710	96	1.84	0.1	0.601	0.181	0	0	0	658
PL.2581	PL.2579	ABC	336 MCM AC	7.47Y	124.4	0.05	0.56	109.73	21	2355	706	96	0.55	0.0	0.656	0.054	0	0	0	658
PL.3169	PL.2581	ABC	336 MCM AC	7.46Y	124.4	0.09	0.65	109.00	21	2339	700	96	1.08	0.0	0.764	0.108	1	0	2	655
PL.3170	PL.3169	ABC	336 MCM AC	7.46Y	124.3	0.08	0.73	108.94	21	2337	698	96	1.00	0.0	0.864	0.100	0	0	0	653
PL.2864	PL.3170	ABC	336 MCM AC	7.45Y	124.2	0.08	0.81	108.94	21	2336	695	96	0.95	0.0	0.959	0.095	0	0	0	653
PL.2865	PL.2864	ABC	336 MCM AC	7.45Y	124.1	0.10	0.91	108.94	21	2335	693	96	1.24	0.1	1.084	0.124	0	0	0	653
PL.3590	PL.2865	ABC	336 MCM AC	7.44Y	124.1	0.02	0.94	93.05	18	1992	594	96	0.25	0.0	1.118	0.034	0	0	0	564
PD.429-A	PL.3590	ABC	Closed	7.44Y	124.1	0.00	0.94	93.05	0	1991	593	96	0.00	0.0	1.118	0.034	0	0	0	564
PD.429-B	PD.429-A	ABC	Closed	7.44Y	124.1	0.00	0.94	93.05	0	1991	593	96	0.00	0.0	1.118	0.034	0	0	0	564

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.3591	PD.429-B	ABC	336 MCM AC	7.44Y	124.0	0.05	0.99	93.05	18	1991	593	96	0.55	0.0	1.193	0.076	0	0	0	564
PL.3424	PL.3591	C	#4 ACSR	7.44Y	124.0	0.00	0.99	0.34	0	2	1	89	0.00	0.0	1.198	0.005	0	0	0	1
PD.375	PL.3424	C	40QA	7.44Y	124.0	0.00	0.99	0.34	1	2	1	89	0.00	0.0	1.198	0.005	0	0	0	1
PL.3425	PD.375	C	#4 ACSR	7.44Y	124.0	0.00	0.99	0.34	0	2	1	89	0.00	0.0	1.223	0.025	2	1	1	1
PL.3091	PL.3591	ABC	336 MCM AC	7.44Y	123.9	0.07	1.06	92.94	18	1988	591	96	0.75	0.0	1.296	0.103	5	1	1	563
PL.3092	PL.3091	ABC	336 MCM AC	7.44Y	123.9	0.02	1.08	90.26	17	1930	574	96	0.17	0.0	1.321	0.025	0	0	0	552
PL.2585	PL.3092	ABC	336 MCM AC	7.43Y	123.9	0.03	1.10	90.26	17	1930	573	96	0.27	0.0	1.360	0.039	3	1	1	552
PL.3408	PL.2585	C	#4 ACSR	7.43Y	123.9	0.00	1.11	1.15	1	8	2	97	0.00	0.0	1.364	0.005	0	0	0	1
PD.368	PL.3408	C	15T	7.43Y	123.9	0.00	1.11	1.15	0	8	2	97	0.00	0.0	1.364	0.005	0	0	0	1
PL.3409	PD.368	C	#4 ACSR	7.43Y	123.9	0.00	1.11	1.15	1	8	2	97	0.00	0.0	1.380	0.016	8	2	1	1
PL.3411	PL.2585	ABC	336 MCM AC	7.43Y	123.8	0.06	1.17	89.71	17	1918	569	96	0.63	0.0	1.453	0.093	9	2	2	550
PL.3564	PL.3411	A	#2 ACSR	7.43Y	123.8	0.00	1.17	0.76	0	5	2	93	0.00	0.0	1.457	0.004	0	0	0	2
PD.417	PL.3564	A	40QA	7.43Y	123.8	0.00	1.17	0.76	2	5	2	93	0.00	0.0	1.457	0.004	0	0	0	2
PL.3565	PD.417	A	#2 ACSR	7.43Y	123.8	0.00	1.17	0.76	0	5	2	93	0.00	0.0	1.478	0.020	5	2	2	2
PL.2594	PL.3411	ABC	336 MCM AC	7.43Y	123.8	0.05	1.21	89.06	17	1903	564	96	0.45	0.0	1.521	0.068	23	6	4	546
PL.2595	PL.2594	ABC	336 MCM AC	7.42Y	123.7	0.04	1.26	87.99	17	1880	557	96	0.40	0.0	1.582	0.061	0	0	0	542
PL.3094	PL.2595	ABC	336 MCM AC	7.42Y	123.7	0.06	1.32	87.70	17	1873	554	96	0.61	0.0	1.676	0.094	1	0	1	541
PL.3404	PL.3094	A	#2 ACSR	7.42Y	123.7	0.00	1.32	9.38	5	67	19	96	0.00	0.0	1.680	0.005	0	0	0	16
PD.366	PL.3404	A	40QA	7.42Y	123.7	0.00	1.32	9.38	23	67	19	96	0.00	0.0	1.680	0.005	0	0	0	16
PL.3405	PD.366	A	#2 ACSR	7.42Y	123.7	0.01	1.33	9.38	5	67	19	96	0.00	0.0	1.714	0.033	0	0	0	16
PL.2596	PL.3405	A	#2 ACSR	7.42Y	123.7	0.02	1.34	9.38	5	67	19	96	0.01	0.0	1.770	0.056	0	0	0	16
PL.2597	PL.2596	A	6 A (CWC)	7.42Y	123.6	0.03	1.37	9.38	7	67	19	96	0.01	0.0	1.830	0.060	0	0	0	16
PL.2598	PL.2597	A	6 A (CWC)	7.42Y	123.6	0.05	1.42	9.38	7	67	19	96	0.02	0.0	1.935	0.106	0	0	0	16
PL.2599	PL.2598	A	#4 ACSR	7.41Y	123.6	0.01	1.42	5.79	4	41	12	96	0.00	0.0	1.968	0.033	2	1	1	10
PL.2604	PL.2599	A	#4 ACSR	7.41Y	123.6	0.01	1.43	5.45	4	39	11	96	0.00	0.0	2.006	0.038	8	2	1	9
PL.2605	PL.2604	A	#4 ACSR	7.41Y	123.6	0.01	1.44	4.28	3	31	9	96	0.00	0.0	2.068	0.062	5	1	1	8
PL.2606	PL.2605	A	#4 ACSR	7.41Y	123.6	0.00	1.44	0.96	1	7	2	96	0.00	0.0	2.121	0.052	7	2	1	1
PL.2607	PL.2605	A	#4 ACSR	7.41Y	123.5	0.01	1.45	2.64	2	19	5	97	0.00	0.0	2.148	0.080	0	0	1	6
PL.2608	PL.2607	A	#4 ACSR	7.41Y	123.5	0.01	1.46	2.64	2	19	5	97	0.00	0.0	2.229	0.081	7	2	1	5
PL.2609	PL.2608	A	#4 ACSR	7.41Y	123.5	0.00	1.46	0.00	0	0	0	100	0.00	0.0	2.287	0.058	0	0	0	0
PL.2610	PL.2608	A	#2 ACSR	7.41Y	123.5	0.00	1.46	1.68	1	12	3	97	0.00	0.0	2.245	0.016	0	0	0	4

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PL.2611	PL.2610	A	#2 ACSR	7.41Y	123.5	0.00	1.46	0.00	0	0	0	100	0.00	0.0	2.316	0.070	0	0	1	1	
PL.3402	PL.2610	A	#2 ACSR	7.41Y	123.5	0.00	1.46	1.68	1	12	3	97	0.00	0.0	2.250	0.005	0	0	0	3	
PD.365	PL.3402	A	40QA	7.41Y	123.5	0.00	1.46	1.68	4	12	3	97	0.00	0.0	2.250	0.005	0	0	0	3	
PL.3403	PD.365	A	#2 ACSR	7.41Y	123.5	0.00	1.46	1.68	1	12	3	97	0.00	0.0	2.263	0.013	12	3	3	3	
PL.2600	PL.2598	A	#4 ACSR	7.41Y	123.6	0.01	1.42	3.59	3	26	7	97	0.00	0.0	1.996	0.061	5	1	2	6	
PL.2601	PL.2600	A	#4 ACSR	7.41Y	123.6	0.00	1.43	2.90	2	21	6	96	0.00	0.0	2.030	0.034	0	0	0	4	
PL.2603	PL.2601	A	#4 ACSR	7.41Y	123.6	0.00	1.43	1.94	1	14	4	96	0.00	0.0	2.072	0.042	14	4	2	2	
PL.2602	PL.2601	A	#4 ACSR	7.41Y	123.6	0.00	1.43	0.97	1	7	2	96	0.00	0.0	2.082	0.052	7	2	2	2	
PL.3095	PL.3094	ABC	336 MCM AC	7.42Y	123.6	0.06	1.38	84.54	16	1805	534	96	0.56	0.0	1.769	0.094	0	0	0	524	
PL.3050	PL.3095	ABC	336 MCM AC	7.41Y	123.6	0.06	1.43	84.54	16	1804	532	96	0.54	0.0	1.859	0.090	0	0	0	524	
PL.3166	PL.3050	ABC	336 MCM AC	7.41Y	123.5	0.04	1.47	84.29	16	1798	529	96	0.34	0.0	1.916	0.057	5	1	1	523	
PL.3167	PL.3166	ABC	336 MCM AC	7.41Y	123.5	0.06	1.53	84.04	16	1793	527	96	0.54	0.0	2.006	0.090	0	0	0	522	
PL.3416	PL.3167	C	#1/0 ACSR	7.41Y	123.5	0.00	1.53	0.97	0	7	2	96	0.00	0.0	2.010	0.005	0	0	0	3	
PD.371	PL.3416	C	40QA	7.41Y	123.5	0.00	1.53	0.97	2	7	2	96	0.00	0.0	2.010	0.005	0	0	0	3	
PL.3417	PD.371	C	#1/0 ACSR	7.41Y	123.5	0.00	1.53	0.97	0	7	2	96	0.00	0.0	2.034	0.023	0	0	0	3	
PL.2612	PL.3417	C	#2 ACSR	7.41Y	123.5	0.00	1.53	0.97	1	7	2	96	0.00	0.0	2.087	0.053	7	2	3	3	
PL.2871	PL.3167	ABC	336 MCM AC	7.40Y	123.4	0.11	1.64	83.72	16	1785	524	96	1.04	0.1	2.182	0.176	0	0	0	519	
PL.3162	PL.2871	ABC	336 MCM AC	7.40Y	123.3	0.07	1.71	83.72	16	1784	522	96	0.63	0.0	2.289	0.106	3	1	2	519	
PL.3163	PL.3162	ABC	336 MCM AC	7.39Y	123.2	0.08	1.78	83.59	16	1781	519	96	0.71	0.0	2.408	0.120	0	0	0	517	
PL.3158	PL.3163	ABC	336 MCM AC	7.39Y	123.2	0.06	1.84	83.59	16	1780	518	96	0.54	0.0	2.500	0.091	0	0	0	517	
PL.3159	PL.3158	ABC	336 MCM AC	7.39Y	123.1	0.02	1.86	83.59	16	1780	516	96	0.15	0.0	2.526	0.026	0	0	0	517	
PL.3412	PL.3159	A	#2 ACSR	7.39Y	123.1	0.00	1.86	0.40	0	3	1	95	0.00	0.0	2.530	0.005	0	0	0	1	
PD.369	PL.3412	A	40QA	7.39Y	123.1	0.00	1.86	0.40	1	3	1	95	0.00	0.0	2.530	0.005	0	0	0	1	
PL.3413	PD.369	A	#2 ACSR	7.39Y	123.1	0.00	1.86	0.40	0	3	1	95	0.00	0.0	2.548	0.018	3	1	1	1	
PL.3160	PL.3159	ABC	336 MCM AC	7.39Y	123.1	0.03	1.89	83.45	16	1777	515	96	0.31	0.0	2.578	0.052	0	0	0	516	
PL.3161	PL.3160	ABC	336 MCM AC	7.38Y	123.0	0.07	1.96	83.45	16	1776	515	96	0.63	0.0	2.685	0.107	0	0	0	516	
PL.2872	PL.3161	ABC	336 MCM AC	7.38Y	122.9	0.10	2.06	83.45	16	1776	513	96	0.95	0.1	2.848	0.163	13	4	4	516	
PL.3592	PL.2872	B	#2 ACSR	7.38Y	122.9	0.00	2.06	43.65	25	310	88	96	0.01	0.0	2.851	0.003	0	0	0	97	
C PD.430	PL.3592	B	50H	7.38Y	122.9	0.00	2.06	43.65	87	310	88	96	0.00	0.0	2.851	0.003	0	0	0	97	C
PL.3593	PD.430	B	#2 ACSR	7.36Y	122.7	0.20	2.26	43.65	25	310	88	96	0.44	0.1	2.994	0.143	0	0	0	97	
PL.2615	PL.3593	B	#2 ACSR	7.36Y	122.6	0.15	2.41	42.40	24	300	85	96	0.32	0.1	3.107	0.113	4	1	1	95	

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.2617	PL.2615	B	#2 ACSR	7.35Y	122.5	0.10	2.51	41.88	24	296	84	96	0.22	0.1	3.184	0.077	0	0	0	94
PL.2618	PL.2617	B	#2 ACSR	7.35Y	122.4	0.05	2.56	41.88	24	296	84	96	0.10	0.0	3.220	0.036	0	0	0	94
PL.3156	PL.2618	B	#2 ACSR	7.34Y	122.4	0.04	2.60	41.88	24	296	84	96	0.09	0.0	3.251	0.031	0	0	0	94
PL.3157	PL.3156	B	#2 ACSR	7.34Y	122.3	0.10	2.70	41.88	24	296	84	96	0.21	0.1	3.324	0.073	0	0	0	94
PL.3155	PL.3157	B	#2 ACSR	7.33Y	122.2	0.08	2.78	41.88	24	296	84	96	0.18	0.1	3.386	0.062	0	0	0	94
PL.3153	PL.3155	B	#2 ACSR	7.32Y	122.1	0.15	2.93	41.88	24	296	83	96	0.32	0.1	3.499	0.113	4	1	2	94
PL.3154	PL.3153	B	#2 ACSR	7.32Y	122.0	0.05	2.98	41.31	24	291	82	96	0.11	0.0	3.538	0.039	7	2	2	92
PL.2621	PL.3154	B	#4 ACSR	7.32Y	122.0	0.00	2.98	0.95	1	7	2	96	0.00	0.0	3.603	0.064	2	1	1	3
PL.2622	PL.2621	B	#2 ACSR	7.32Y	122.0	0.00	2.98	0.63	0	4	1	97	0.00	0.0	3.628	0.025	4	1	2	2
PL.3119	PL.3154	B	#2 ACSR	7.32Y	122.0	0.06	3.04	39.36	22	277	78	96	0.12	0.0	3.587	0.049	4	1	2	87
PL.3120	PL.3119	B	#2 ACSR	7.31Y	121.9	0.09	3.13	37.74	22	266	75	96	0.18	0.1	3.664	0.077	2	1	1	84
PL.2624	PL.3120	B	#4 ACSR	7.31Y	121.9	0.01	3.14	3.91	3	28	8	96	0.00	0.0	3.749	0.085	15	4	2	3
PL.2623	PL.2624	B	#2 ACSR	7.31Y	121.9	0.00	3.14	1.72	1	12	3	97	0.00	0.0	3.793	0.044	12	3	1	1
PL.3121	PL.3120	B	#2 ACSR	7.30Y	121.7	0.15	3.27	33.51	19	236	66	96	0.25	0.1	3.801	0.137	0	0	0	80
PL.2874	PL.3121	B	#2 ACSR	7.30Y	121.6	0.14	3.42	33.51	19	236	66	96	0.24	0.1	3.937	0.135	5	1	2	80
PL.3152	PL.2874	B	#2 ACSR	7.29Y	121.5	0.08	3.49	32.83	19	231	65	96	0.13	0.1	4.014	0.077	11	3	2	78
PL.3122	PL.3152	B	#2 ACSR	7.29Y	121.5	0.05	3.55	28.91	17	203	57	96	0.08	0.0	4.074	0.060	3	1	2	69
PL.2626	PL.3122	B	#2 ACSR	7.28Y	121.4	0.07	3.61	28.45	16	200	56	96	0.09	0.0	4.148	0.074	4	1	4	67
PL.2630	PL.2626	B	#4 ACSR	7.28Y	121.4	0.00	3.61	1.63	1	11	3	96	0.00	0.0	4.173	0.026	11	3	1	1
PL.2632	PL.2626	B	#2 ACSR	7.27Y	121.2	0.14	3.75	26.27	15	184	52	96	0.18	0.1	4.319	0.171	7	2	4	62
PL.2634	PL.2632	B	#2 ACSR	7.27Y	121.2	0.07	3.82	25.24	14	177	50	96	0.09	0.1	4.406	0.087	1	0	1	58
PL.2635	PL.2634	B	#2 ACSR	7.27Y	121.2	0.01	3.84	25.16	14	176	49	96	0.02	0.0	4.425	0.019	8	2	1	57
PL.2636	PL.2635	B	#2 ACSR	7.27Y	121.2	0.01	3.84	24.00	14	168	47	96	0.01	0.0	4.432	0.007	0	0	1	56
PL.2637	PL.2636	B	#2 ACSR	7.27Y	121.1	0.03	3.87	22.22	13	156	44	96	0.03	0.0	4.472	0.040	1	0	2	54
PL.2639	PL.2637	B	#2 ACSR	7.27Y	121.1	0.04	3.91	17.64	10	123	35	96	0.04	0.0	4.551	0.079	10	3	4	46
PL.2642	PL.2639	B	#2 ACSR	7.27Y	121.1	0.00	3.91	0.46	0	3	1	95	0.00	0.0	4.634	0.084	3	1	2	2
PL.2645	PL.2642	B	#4 ACSR	7.27Y	121.1	0.00	3.91	0.00	0	0	0	100	0.00	0.0	4.741	0.107	0	0	0	0
PL.2646	PL.2645	B	#4 ACSR	7.27Y	121.1	0.00	3.91	0.00	0	0	0	100	0.00	0.0	4.806	0.065	0	0	0	0
PL.2643	PL.2639	B	#2 ACSR	7.26Y	121.0	0.07	3.98	15.76	9	110	31	96	0.05	0.0	4.708	0.157	23	6	4	40
PL.2648	PL.2643	B	#2 ACSR	7.26Y	120.9	0.07	4.05	12.48	7	87	24	96	0.05	0.1	4.893	0.185	3	1	3	36
PL.3394	PL.2648	B	#4 ACSR	7.26Y	120.9	0.00	4.05	2.64	2	18	5	96	0.00	0.0	4.897	0.005	0	0	0	8

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% 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.360	PL.3394	B	20T	7.26Y	120.9	0.00	4.05	2.64	0	18	5	96	0.00	0.0	4.897	0.005	0	0	0	8
PL.3395	PD.360	B	#4 ACSR	7.26Y	120.9	0.01	4.07	2.64	2	18	5	96	0.00	0.0	5.022	0.124	0	0	0	8
PL.2878	PL.3395	B	#4 ACSR	7.26Y	120.9	0.01	4.08	2.64	2	18	5	96	0.00	0.0	5.134	0.113	0	0	0	8
PL.2651	PL.2878	B	#4 ACSR	7.25Y	120.9	0.02	4.10	2.64	2	18	5	96	0.00	0.0	5.291	0.157	3	1	1	8
PL.2652	PL.2651	B	#4 ACSR	7.25Y	120.9	0.01	4.11	2.24	2	16	4	97	0.00	0.0	5.407	0.116	0	0	0	7
PL.2653	PL.2652	B	#4 ACSR	7.25Y	120.9	0.01	4.12	2.24	2	16	4	97	0.00	0.0	5.519	0.113	5	1	1	7
PL.2654	PL.2653	B	#4 ACSR	7.25Y	120.9	0.01	4.13	1.55	1	11	3	96	0.00	0.0	5.679	0.160	0	0	0	6
PL.2879	PL.2654	B	#4 ACSR	7.25Y	120.9	0.01	4.14	1.55	1	11	3	96	0.00	0.0	5.773	0.093	0	0	0	6
PL.3052	PL.2879	B	#4 ACSR	7.25Y	120.9	0.01	4.15	1.55	1	11	3	96	0.00	0.0	5.880	0.107	0	0	0	6
PL.2880	PL.3052	B	#4 ACSR	7.25Y	120.8	0.01	4.15	1.55	1	11	3	96	0.00	0.0	5.992	0.112	0	0	0	6
PL.3053	PL.2880	B	#4 ACSR	7.25Y	120.8	0.01	4.16	1.55	1	11	3	96	0.00	0.0	6.080	0.088	0	0	0	6
PL.2881	PL.3053	B	#4 ACSR	7.25Y	120.8	0.01	4.17	1.55	1	11	3	96	0.00	0.0	6.176	0.097	0	0	0	6
PL.3054	PL.2881	B	#4 ACSR	7.25Y	120.8	0.01	4.17	1.55	1	11	3	96	0.00	0.0	6.255	0.079	0	0	0	6
PL.2882	PL.3054	B	#4 ACSR	7.25Y	120.8	0.01	4.18	1.55	1	11	3	96	0.00	0.0	6.352	0.097	0	0	0	6
PL.3055	PL.2882	B	#4 ACSR	7.25Y	120.8	0.01	4.19	1.55	1	11	3	96	0.00	0.0	6.457	0.105	0	0	0	6
PL.2883	PL.3055	B	#4 ACSR	7.25Y	120.8	0.01	4.19	1.55	1	11	3	96	0.00	0.0	6.532	0.075	0	0	0	6
PL.3056	PL.2883	B	#4 ACSR	7.25Y	120.8	0.01	4.20	1.55	1	11	3	96	0.00	0.0	6.632	0.100	0	0	0	6
PL.2655	PL.3056	B	#4 ACSR	7.25Y	120.8	0.00	4.20	1.55	1	11	3	96	0.00	0.0	6.679	0.047	0	0	0	6
PL.2656	PL.2655	B	#4 ACSR	7.25Y	120.8	0.01	4.21	1.36	1	9	3	95	0.00	0.0	6.847	0.169	0	0	0	3
PL.2696	PL.2656	B	#4 ACSR	7.25Y	120.8	0.00	4.22	1.36	1	9	3	95	0.00	0.0	6.927	0.080	0	0	0	3
PL.2698	PL.2696	B	#4 ACSR	7.25Y	120.8	0.00	4.22	0.63	0	4	1	97	0.00	0.0	6.996	0.069	4	1	1	1
PL.3386	PL.2696	B	#4 ACSR	7.25Y	120.8	0.00	4.22	0.72	1	5	1	98	0.00	0.0	7.096	0.169	3	1	1	2
PL.3387	PL.3386	B	#4 ACSR	7.25Y	120.8	0.00	4.22	0.30	0	2	1	89	0.00	0.0	7.259	0.163	0	0	0	1
PL.3135	PL.3387	B	#4 ACSR	7.25Y	120.8	0.00	4.22	0.30	0	2	1	89	0.00	0.0	7.332	0.072	0	0	0	1
PL.3136	PL.3135	B	#4 ACSR	7.25Y	120.8	0.00	4.22	0.30	0	2	1	89	0.00	0.0	7.351	0.019	2	1	1	1
PL.2825	PL.2655	B	#4 ACSR	7.25Y	120.8	0.00	4.20	0.20	0	1	0	100	0.00	0.0	6.758	0.080	0	0	0	3
PL.2658	PL.2825	B	#4 ACSR	7.25Y	120.8	0.00	4.20	0.20	0	1	0	100	0.00	0.0	6.922	0.164	0	0	0	3
PL.2657	PL.2658	B	#4 ACSR	7.25Y	120.8	0.00	4.20	0.20	0	1	0	100	0.00	0.0	7.007	0.085	0	0	0	3
PL.3171	PL.2657	B	#4 ACSR	7.25Y	120.8	0.00	4.20	0.20	0	1	0	100	0.00	0.0	7.090	0.083	1	0	1	3
PL.3172	PL.3171	B	#4 ACSR	7.25Y	120.8	0.00	4.20	0.05	0	0	0	100	0.00	0.0	7.188	0.098	0	0	0	2
PL.2660	PL.3172	B	#4 ACSR	7.25Y	120.8	0.00	4.20	0.05	0	0	0	100	0.00	0.0	7.277	0.089	0	0	0	2

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.3143	PL.2660	B	#4 ACSR	7.25Y	120.8	0.00	4.20	0.05	0	0	0	100	0.00	0.0	7.334	0.057	0	0	1	2
PL.3144	PL.3143	B	#4 ACSR	7.25Y	120.8	0.00	4.20	0.05	0	0	0	100	0.00	0.0	7.363	0.029	0	0	1	1
PL.2659	PL.2825	B	#2 ACSR	7.25Y	120.8	0.00	4.20	0.00	0	0	0	100	0.00	0.0	6.791	0.032	0	0	0	0
PL.10154	PL.2648	B	#2 ACSR	7.26Y	120.9	0.00	4.05	9.40	5	66	18	96	0.00	0.0	4.896	0.003	0	0	0	25
PD.1878	PL.10154	B	20T	7.26Y	120.9	0.00	4.05	9.40	0	66	18	96	0.00	0.0	4.896	0.003	0	0	0	25
PL.10155	PD.1878	B	#2 ACSR	7.25Y	120.9	0.04	4.10	9.40	5	66	18	96	0.02	0.0	5.032	0.136	0	0	0	25
PL.2875	PL.10155	B	#2 ACSR	7.25Y	120.9	0.03	4.13	9.40	5	66	18	96	0.02	0.0	5.140	0.107	0	0	0	25
PL.2661	PL.2875	B	#2 ACSR	7.25Y	120.9	0.02	4.14	9.40	5	66	18	96	0.01	0.0	5.199	0.060	0	0	0	25
PL.3127	PL.2661	B	#2 ACSR	7.25Y	120.8	0.01	4.16	8.39	5	59	16	97	0.01	0.0	5.247	0.047	0	0	0	23
PL.2663	PL.3127	B	#4 ACSR	7.25Y	120.8	0.00	4.16	0.55	0	4	1	97	0.00	0.0	5.278	0.032	4	1	1	1
PL.2664	PL.3127	B	#4 ACSR	7.25Y	120.8	0.00	4.16	0.53	0	4	1	97	0.00	0.0	5.315	0.069	4	1	3	3
PL.3128	PL.3127	B	#2 ACSR	7.25Y	120.8	0.03	4.19	7.31	4	51	14	96	0.01	0.0	5.393	0.146	0	0	0	19
PL.3149	PL.3128	B	#2 ACSR	7.25Y	120.8	0.02	4.21	7.31	4	51	14	96	0.01	0.0	5.462	0.069	3	1	1	19
PL.3150	PL.3149	B	#2 ACSR	7.25Y	120.8	0.01	4.22	6.94	4	48	14	96	0.00	0.0	5.517	0.055	7	2	1	18
PL.3129	PL.3150	B	#2 ACSR	7.25Y	120.8	0.01	4.23	5.96	3	42	12	96	0.00	0.0	5.581	0.064	0	0	0	16
PL.2824	PL.3129	B	#2 ACSR	7.25Y	120.8	0.00	4.23	0.72	0	5	1	98	0.00	0.0	5.651	0.071	0	0	0	1
PL.2667	PL.2824	B	#4 ACSR	7.25Y	120.8	0.00	4.23	0.72	1	5	1	98	0.00	0.0	5.667	0.015	5	1	1	1
PL.2666	PL.3129	B	#2 ACSR	7.25Y	120.8	0.01	4.24	5.24	3	37	10	97	0.00	0.0	5.641	0.061	26	7	7	15
PL.2668	PL.2666	B	#2 ACSR	7.25Y	120.8	0.00	4.24	1.50	1	11	3	96	0.00	0.0	5.699	0.057	2	1	1	8
PL.2669	PL.2668	B	#2 ACSR	7.25Y	120.8	0.00	4.24	1.15	1	8	2	97	0.00	0.0	5.750	0.052	2	1	3	7
PL.3147	PL.2669	B	#2 ACSR	7.25Y	120.8	0.00	4.24	0.85	0	6	2	95	0.00	0.0	5.873	0.123	0	0	1	4
PL.3148	PL.3147	B	#2 ACSR	7.25Y	120.8	0.00	4.25	0.80	0	6	2	95	0.00	0.0	5.995	0.122	0	0	0	3
PL.2876	PL.3148	B	#2 ACSR	7.25Y	120.8	0.00	4.25	0.80	0	6	2	95	0.00	0.0	6.105	0.109	0	0	0	3
PL.3051	PL.2876	B	#2 ACSR	7.24Y	120.7	0.00	4.25	0.80	0	6	2	95	0.00	0.0	6.245	0.141	2	1	1	3
PL.3146	PL.3051	B	#2 ACSR	7.24Y	120.7	0.00	4.25	0.48	0	3	1	95	0.00	0.0	6.344	0.099	3	1	2	2
PL.2665	PL.3150	B	#2 ACSR	7.25Y	120.8	0.00	4.22	0.04	0	0	0	100	0.00	0.0	5.551	0.034	0	0	1	1
PL.2662	PL.2661	B	#2 ACSR	7.25Y	120.9	0.00	4.15	1.01	1	7	2	96	0.00	0.0	5.230	0.030	7	2	2	2
PL.2640	PL.2637	B	#2 ACSR	7.27Y	121.1	0.00	3.87	4.02	2	28	8	96	0.00	0.0	4.508	0.036	28	8	4	4
PL.2641	PL.2637	B	#4 ACSR	7.27Y	121.1	0.00	3.87	0.40	0	3	1	95	0.00	0.0	4.517	0.045	3	1	2	2
PL.2638	PL.2636	B	#4 ACSR	7.27Y	121.2	0.00	3.85	1.74	1	12	3	97	0.00	0.0	4.498	0.066	12	3	1	1
PL.2631	PL.2626	B	#4 ACSR	7.28Y	121.4	0.00	3.61	0.00	0	0	0	100	0.00	0.0	4.201	0.054	0	0	0	0

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.2625	PL.3152	B	#4 ACSR	7.29Y	121.5	0.01	3.50	2.37	2	17	5	96	0.00	0.0	4.108	0.095	4	1	2	7
PL.2627	PL.2625	B	#4 ACSR	7.29Y	121.5	0.00	3.50	1.75	1	12	3	97	0.00	0.0	4.136	0.028	7	2	2	5
PL.2628	PL.2627	B	#4 ACSR	7.29Y	121.5	0.00	3.51	0.75	1	5	1	98	0.00	0.0	4.199	0.063	1	0	1	3
PL.2629	PL.2628	B	#2 ACSR	7.29Y	121.5	0.00	3.51	0.64	0	4	1	97	0.00	0.0	4.233	0.034	4	1	2	2
PL.2620	PL.3119	B	#4 ACSR	7.32Y	122.0	0.00	3.04	1.00	1	7	2	96	0.00	0.0	3.613	0.026	7	2	1	1
PL.2616	PL.3593	B	#4 ACSR	7.36Y	122.7	0.00	2.26	1.26	1	9	2	98	0.00	0.0	3.078	0.084	9	2	2	2
PL.2614	PL.2872	ABC	#2 ACSR	7.37Y	122.9	0.08	2.13	68.29	39	1452	419	96	0.83	0.1	2.891	0.044	1	0	1	415
PL.2670	PL.2614	ABC	#2 ACSR	7.36Y	122.7	0.18	2.31	68.25	39	1450	418	96	1.94	0.1	2.994	0.102	10	3	1	414
PL.3164	PL.2670	ABC	#2 ACSR	7.36Y	122.6	0.04	2.35	67.79	39	1439	415	96	0.48	0.0	3.019	0.026	5	1	1	413
PL.3165	PL.3164	ABC	#2 ACSR	7.35Y	122.5	0.10	2.46	67.54	39	1433	413	96	1.10	0.1	3.079	0.059	20	6	4	412
PL.2671	PL.3165	ABC	#2 ACSR	7.35Y	122.5	0.06	2.52	66.59	38	1411	407	96	0.67	0.0	3.116	0.037	0	0	0	408
PL.3426	PL.2671	A	#4 ACSR	7.35Y	122.5	0.00	2.52	0.54	0	4	1	97	0.00	0.0	3.120	0.005	0	0	0	1
PD.376	PL.3426	A	40QA	7.35Y	122.5	0.00	2.52	0.54	1	4	1	97	0.00	0.0	3.120	0.005	0	0	0	1
PL.3427	PD.376	A	#4 ACSR	7.35Y	122.5	0.00	2.52	0.54	0	4	1	97	0.00	0.0	3.208	0.087	4	1	1	1
PL.2826	PL.2671	ABC	#2 ACSR	7.34Y	122.4	0.12	2.64	66.41	38	1407	405	96	1.29	0.1	3.188	0.072	12	3	1	407
PL.3428	PL.2826	A	#1/0 ACSR	7.34Y	122.4	0.00	2.64	4.54	2	32	9	96	0.00	0.0	3.192	0.005	0	0	0	14
PD.377	PL.3428	A	15T	7.34Y	122.4	0.00	2.64	4.54	0	32	9	96	0.00	0.0	3.192	0.005	0	0	0	14
PL.3429	PD.377	A	#1/0 ACSR	7.34Y	122.4	0.01	2.64	4.54	2	32	9	96	0.00	0.0	3.253	0.061	13	4	4	14
PL.2674	PL.3429	A	#4 ACSR	7.34Y	122.4	0.01	2.65	2.70	2	19	5	97	0.00	0.0	3.304	0.050	6	2	7	10
PL.2675	PL.2674	A	#4 ACSR	7.34Y	122.3	0.00	2.65	1.79	1	13	4	96	0.00	0.0	3.366	0.063	0	0	0	3
PL.2676	PL.2675	A	#4 ACSR	7.34Y	122.3	0.00	2.65	0.95	1	7	2	96	0.00	0.0	3.432	0.066	7	2	1	1
PL.2677	PL.2675	A	#4 ACSR	7.34Y	122.3	0.00	2.65	0.84	1	6	2	95	0.00	0.0	3.408	0.042	6	2	2	2
PL.2672	PL.2826	ABC	#2 ACSR	7.34Y	122.3	0.09	2.72	64.33	37	1362	392	96	0.90	0.1	3.241	0.053	0	0	0	392
PL.2673	PL.2672	ABC	#2 ACSR	7.34Y	122.3	0.00	2.73	64.33	37	1361	392	96	0.02	0.0	3.242	0.001	0	0	0	392
RG.4	PL.2673	ABC	114.3 KVA	7.48Y	124.6	-2.34	0.39	64.33	43	1361	392	96	percent Boost= 1.88			Tap= 3.0				392
PL.3046	RG.4	ABC	#2 ACSR	7.48Y	124.6	0.00	0.39	63.12	36	1361	392	96	0.02	0.0	3.243	0.001	0	0	0	392
PL.3047	PL.3046	ABC	#2 ACSR	7.47Y	124.5	0.09	0.48	63.12	36	1361	392	96	0.92	0.1	3.299	0.056	0	0	0	392
PL.3430	PL.3047	C	#1/0 ACSR	7.47Y	124.5	0.00	0.48	0.00	0	0	0	100	0.00	0.0	3.304	0.005	0	0	0	0
PD.378	PL.3430	C	40QA	7.47Y	124.5	0.00	0.48	0.00	0	0	0	100	0.00	0.0	3.304	0.005	0	0	0	0
PL.3431	PD.378	C	#1/0 ACSR	7.47Y	124.5	0.00	0.48	0.00	0	0	0	100	0.00	0.0	3.350	0.047	0	0	0	0
PL.3432	PL.3047	ABC	#2 ACSR	7.47Y	124.5	0.01	0.49	63.12	36	1360	391	96	0.07	0.0	3.304	0.004	0	0	0	392

KEY-> 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: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.3433	PL.3432	ABC	#2 ACSR	7.46Y	124.3	0.17	0.66	63.12	36	1360	391	96	1.78	0.1	3.413	0.109	0	0	0	392
PL.2679	PL.3433	ABC	#2 ACSR	7.45Y	124.2	0.17	0.83	63.12	36	1358	390	96	1.69	0.1	3.516	0.103	0	0	0	392
PL.2885	PL.2679	ABC	#2 ACSR	7.44Y	124.0	0.18	1.01	63.12	36	1356	389	96	1.84	0.1	3.629	0.113	0	0	0	392
PL.3396	PL.2885	C	6 A (CWC)	7.44Y	124.0	0.00	1.01	1.41	1	10	3	96	0.00	0.0	3.634	0.005	0	0	0	3
PD.361	PL.3396	C	40QA	7.44Y	124.0	0.00	1.01	1.41	4	10	3	96	0.00	0.0	3.634	0.005	0	0	0	3
PL.3397	PD.361	C	6 A (CWC)	7.44Y	124.0	0.00	1.01	1.41	1	10	3	96	0.00	0.0	3.726	0.092	10	3	3	3
PL.2827	PL.2885	ABC	#2 ACSR	7.43Y	123.9	0.12	1.13	62.66	36	1344	385	96	1.22	0.1	3.705	0.076	0	0	0	389
PL.3613	PL.2827	ABC	#2 ACSR	7.43Y	123.8	0.12	1.24	62.66	36	1343	385	96	1.17	0.1	3.778	0.073	0	0	0	389
PL.3614	PL.3613	ABC	#2 ACSR	7.42Y	123.7	0.08	1.32	62.66	36	1342	384	96	0.81	0.1	3.829	0.051	0	0	0	389
PL.2682	PL.3614	ABC	#2 ACSR	7.41Y	123.6	0.11	1.44	62.09	35	1329	380	96	1.12	0.1	3.900	0.071	8	2	2	384
PL.2683	PL.2682	ABC	#2 ACSR	7.41Y	123.5	0.08	1.51	61.72	35	1320	377	96	0.75	0.1	3.948	0.048	0	0	0	382
PL.2685	PL.2683	ABC	#2 ACSR	7.40Y	123.4	0.08	1.59	43.98	25	940	270	96	0.55	0.1	4.018	0.069	0	0	0	255
PL.2686	PL.2685	ABC	#2 ACSR	7.40Y	123.3	0.11	1.70	43.98	25	939	270	96	0.75	0.1	4.113	0.095	0	0	0	255
PL.2843	PL.2686	ABC	#2 ACSR	7.39Y	123.2	0.10	1.79	43.72	25	933	268	96	0.68	0.1	4.200	0.087	0	0	0	254
PL.3605	PL.2843	ABC	#2 ACSR	7.39Y	123.1	0.09	1.89	43.72	25	932	267	96	0.66	0.1	4.285	0.085	0	0	0	254
PD.437	PL.3605	ABC	70L	7.39Y	123.1	0.00	1.89	43.72	62	931	267	96	0.00	0.0	4.285	0.085	0	0	0	254
PL.3606	PD.437	ABC	#2 ACSR	7.39Y	123.1	0.01	1.90	43.72	25	931	267	96	0.09	0.0	4.297	0.012	6	2	2	254
PL.3213	PL.3606	ABC	#2 ACSR	7.38Y	123.0	0.10	2.00	43.44	25	925	265	96	0.73	0.1	4.392	0.095	9	2	2	252
PL.3189	PL.3213	ABC	#2 ACSR	7.37Y	122.9	0.10	2.11	43.02	25	916	262	96	0.71	0.1	4.486	0.094	0	0	0	250
PL.3191	PL.3189	ABC	#2 ACSR	7.37Y	122.9	0.04	2.14	43.02	25	915	262	96	0.26	0.0	4.520	0.035	0	0	0	250
PL.3192	PL.3191	ABC	#2 ACSR	7.37Y	122.8	0.08	2.22	43.02	25	915	262	96	0.56	0.1	4.595	0.074	4	1	2	250
PL.3190	PL.3192	ABC	#2 ACSR	7.36Y	122.7	0.10	2.32	42.83	24	910	260	96	0.67	0.1	4.683	0.089	0	0	0	248
PL.2844	PL.3190	ABC	#2 ACSR	7.36Y	122.6	0.08	2.40	42.24	24	897	256	96	0.56	0.1	4.760	0.076	0	0	0	244
PL.3458	PL.2844	A	6 A (CWC)	7.36Y	122.6	0.00	2.40	8.79	6	62	17	96	0.00	0.0	4.764	0.005	0	0	0	10
PD.391	PL.3458	A	40QA	7.36Y	122.6	0.00	2.40	8.79	22	62	17	96	0.00	0.0	4.764	0.005	0	0	0	10
PL.3459	PD.391	A	6 A (CWC)	7.35Y	122.6	0.02	2.42	8.79	6	62	17	96	0.01	0.0	4.816	0.052	0	0	0	10
PL.3193	PL.3459	A	6 A (CWC)	7.35Y	122.6	0.01	2.44	8.79	6	62	17	96	0.01	0.0	4.850	0.034	15	4	1	10
PL.3194	PL.3193	A	6 A (CWC)	7.35Y	122.6	0.01	2.45	6.66	5	47	13	96	0.00	0.0	4.892	0.041	11	3	1	9
PL.3195	PL.3194	A	6 A (CWC)	7.35Y	122.5	0.01	2.46	5.17	4	37	10	97	0.00	0.0	4.942	0.050	0	0	0	8
PL.3196	PL.3195	A	6 A (CWC)	7.35Y	122.5	0.00	2.46	5.17	4	37	10	97	0.00	0.0	4.959	0.017	6	2	1	8
PL.3197	PL.3196	A	6 A (CWC)	7.35Y	122.5	0.01	2.47	4.39	3	31	9	96	0.00	0.0	5.027	0.068	19	5	4	7

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.3198	PL.3197	A	6 A (CWC)	7.35Y	122.5	0.00	2.47	1.64	1	12	3	97	0.00	0.0	5.045	0.019	0	0	0	3
PL.2687	PL.3198	A	6 A (CWC)	7.35Y	122.5	0.00	2.47	0.89	1	6	2	95	0.00	0.0	5.077	0.032	6	2	1	1
PL.3199	PL.3198	A	6 A (CWC)	7.35Y	122.5	0.00	2.48	0.75	1	5	1	98	0.00	0.0	5.090	0.044	0	0	0	2
PL.3200	PL.3199	A	6 A (CWC)	7.35Y	122.5	0.00	2.48	0.75	1	5	1	98	0.00	0.0	5.158	0.068	5	1	2	2
PL.2845	PL.2844	ABC	#2 ACSR	7.35Y	122.5	0.10	2.50	39.31	22	834	239	96	0.65	0.1	4.862	0.103	0	0	0	234
PL.2688	PL.2845	ABC	#2 ACSR	7.35Y	122.4	0.08	2.58	39.31	22	833	238	96	0.50	0.1	4.941	0.079	1	0	3	234
PL.2689	PL.2688	C	#4 ACSR	7.34Y	122.4	0.00	2.59	2.39	2	17	5	96	0.00	0.0	4.985	0.044	11	3	3	4
PL.2690	PL.2689	C	#4 ACSR	7.34Y	122.4	0.00	2.59	0.83	1	6	2	95	0.00	0.0	5.019	0.034	6	2	1	1
PL.3214	PL.2688	ABC	#2 ACSR	7.34Y	122.3	0.08	2.67	38.46	22	815	233	96	0.52	0.1	5.027	0.086	1	0	1	227
PL.3215	PL.3214	ABC	#2 ACSR	7.34Y	122.3	0.06	2.73	38.42	22	813	233	96	0.38	0.0	5.090	0.062	0	0	0	226
PL.3470	PL.3215	A	#4 ACSR	7.34Y	122.3	0.00	2.73	0.85	1	6	2	95	0.00	0.0	5.094	0.005	0	0	0	1
PD.398	PL.3470	A	40QA	7.34Y	122.3	0.00	2.73	0.85	2	6	2	95	0.00	0.0	5.094	0.005	0	0	0	1
PL.3471	PD.398	A	#4 ACSR	7.34Y	122.3	0.00	2.73	0.85	1	6	2	95	0.00	0.0	5.130	0.036	6	2	1	1
PL.3216	PL.3215	ABC	#2 ACSR	7.33Y	122.2	0.12	2.85	38.14	22	807	231	96	0.74	0.1	5.216	0.126	8	2	1	225
PL.3217	PL.3216	ABC	#2 ACSR	7.32Y	122.1	0.09	2.94	37.76	22	798	228	96	0.55	0.1	5.309	0.094	0	0	0	224
PL.2996	PL.3217	ABC	#2 ACSR	7.32Y	122.0	0.07	3.01	37.76	22	798	228	96	0.42	0.1	5.381	0.072	0	0	0	224
PL.3067	PL.2996	ABC	#2 ACSR	7.31Y	121.9	0.13	3.13	37.76	22	797	227	96	0.78	0.1	5.515	0.133	0	0	0	224
PL.2997	PL.3067	ABC	#2 ACSR	7.30Y	121.7	0.15	3.29	37.76	22	797	227	96	0.94	0.1	5.676	0.161	0	0	0	224
PL.2998	PL.2997	ABC	#2 ACSR	7.30Y	121.6	0.11	3.39	37.76	22	796	227	96	0.65	0.1	5.787	0.111	0	0	0	224
PL.2712	PL.2998	ABC	#2 ACSR	7.29Y	121.5	0.11	3.50	37.76	22	795	226	96	0.65	0.1	5.899	0.111	0	0	0	224
PL.3570	PL.2712	C	6 A (CWC)	7.29Y	121.5	0.00	3.50	1.84	1	13	4	96	0.00	0.0	5.903	0.005	0	0	0	2
PD.420	PL.3570	C	40QA	7.29Y	121.5	0.00	3.50	1.84	5	13	4	96	0.00	0.0	5.903	0.005	0	0	0	2
PL.3571	PD.420	C	6 A (CWC)	7.29Y	121.5	0.00	3.50	1.84	1	13	4	96	0.00	0.0	5.961	0.058	13	4	2	2
PL.2919	PL.2712	ABC	#2 ACSR	7.29Y	121.5	0.04	3.54	37.15	21	781	222	96	0.21	0.0	5.936	0.038	0	0	2	222
PL.3611	PL.2919	ABC	#2 ACSR	7.28Y	121.4	0.07	3.61	37.15	21	781	222	96	0.42	0.1	6.010	0.074	0	0	0	220
PL.3612	PL.3611	ABC	#2 ACSR	7.28Y	121.3	0.10	3.70	37.15	21	781	222	96	0.58	0.1	6.113	0.103	0	0	0	220
PL.3130	PL.3612	ABC	#2 ACSR	7.27Y	121.2	0.09	3.79	36.99	21	777	221	96	0.51	0.1	6.205	0.092	8	2	2	217
PL.3572	PL.3130	C	6 A (CWC)	7.27Y	121.2	0.00	3.79	4.54	3	32	9	96	0.00	0.0	6.210	0.005	0	0	0	5
PD.421	PL.3572	C	40QA	7.27Y	121.2	0.00	3.79	4.54	11	32	9	96	0.00	0.0	6.210	0.005	0	0	0	5
PL.3573	PD.421	C	6 A (CWC)	7.27Y	121.2	0.01	3.80	4.54	3	32	9	96	0.00	0.0	6.268	0.058	32	9	5	5
PL.3444	PL.3130	B	6 A (CWC)	7.27Y	121.2	0.01	3.80	11.28	8	79	22	96	0.01	0.0	6.224	0.019	0	0	0	27

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% 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.384	PL.3444	B	25T	7.27Y	121.2	0.00	3.80	11.28	0	79	22	96	0.00	0.0	6.224	0.019	0	0	0	27
PL.3445	PD.384	B	6 A (CWC)	7.27Y	121.2	0.03	3.82	11.28	8	79	22	96	0.02	0.0	6.277	0.053	2	1	2	27
PL.2925	PL.3445	B	6 A (CWC)	7.27Y	121.2	0.01	3.83	10.93	8	77	21	96	0.00	0.0	6.289	0.012	8	2	2	25
PL.2924	PL.2925	B	6 A (CWC)	7.27Y	121.1	0.05	3.88	9.78	7	69	19	96	0.02	0.0	6.406	0.117	8	2	1	23
PL.2714	PL.2924	B	6 A (CWC)	7.27Y	121.1	0.03	3.91	8.60	6	60	17	96	0.02	0.0	6.493	0.087	0	0	0	22
PL.2715	PL.2714	B	#4 ACSR	7.27Y	121.1	0.00	3.91	0.30	0	2	1	89	0.00	0.0	6.539	0.046	2	1	1	1
PL.2926	PL.2714	B	6 A (CWC)	7.26Y	121.1	0.03	3.95	8.30	6	58	16	96	0.01	0.0	6.589	0.096	10	3	2	21
PL.2927	PL.2926	B	6 A (CWC)	7.26Y	121.0	0.02	3.96	6.90	5	48	13	97	0.01	0.0	6.648	0.059	7	2	1	19
PL.2928	PL.2927	B	6 A (CWC)	7.26Y	121.0	0.01	3.97	5.88	4	41	11	97	0.00	0.0	6.690	0.043	9	3	3	18
PL.2922	PL.2928	B	#4 ACSR	7.26Y	121.0	0.01	3.98	4.56	4	32	9	96	0.00	0.0	6.727	0.036	11	3	1	15
PL.2923	PL.2922	B	#4 ACSR	7.26Y	121.0	0.01	3.99	2.94	2	21	6	96	0.00	0.0	6.831	0.104	2	1	1	14
PL.2911	PL.2923	B	#4 ACSR	7.26Y	121.0	0.01	4.00	2.65	2	19	5	97	0.00	0.0	6.904	0.073	0	0	0	13
PL.2912	PL.2911	B	#4 ACSR	7.26Y	121.0	0.01	4.02	2.65	2	19	5	97	0.00	0.0	7.024	0.120	0	0	0	13
PL.2913	PL.2912	B	#4 ACSR	7.26Y	121.0	0.01	4.03	2.65	2	19	5	97	0.00	0.0	7.100	0.076	0	0	0	13
PL.2914	PL.2913	B	#4 ACSR	7.26Y	121.0	0.02	4.04	2.65	2	19	5	97	0.00	0.0	7.240	0.141	0	0	0	13
PL.2846	PL.2914	B	#4 ACSR	7.26Y	121.0	0.01	4.05	1.64	1	11	3	96	0.00	0.0	7.317	0.076	0	0	0	7
PL.2716	PL.2846	B	#4 ACSR	7.26Y	120.9	0.01	4.06	1.64	1	11	3	96	0.00	0.0	7.448	0.131	0	0	0	7
PL.3068	PL.2716	B	#4 ACSR	7.26Y	120.9	0.01	4.06	1.64	1	11	3	96	0.00	0.0	7.535	0.087	0	0	0	7
PL.3002	PL.3068	B	#4 ACSR	7.26Y	120.9	0.01	4.07	1.64	1	11	3	96	0.00	0.0	7.672	0.137	0	0	0	7
PL.3140	PL.3002	B	#4 ACSR	7.26Y	120.9	0.01	4.08	1.64	1	11	3	96	0.00	0.0	7.783	0.111	0	0	0	7
PL.2718	PL.3140	B	#4 ACSR	7.25Y	120.9	0.00	4.08	0.94	1	7	2	96	0.00	0.0	7.860	0.077	0	0	0	4
PL.2717	PL.2718	B	#4 ACSR	7.25Y	120.9	0.00	4.09	0.94	1	7	2	96	0.00	0.0	7.953	0.093	0	0	0	4
PL.3069	PL.2717	B	#4 ACSR	7.25Y	120.9	0.00	4.09	0.94	1	7	2	96	0.00	0.0	8.068	0.115	0	0	0	4
PL.3003	PL.3069	B	#4 ACSR	7.25Y	120.9	0.01	4.10	0.94	1	7	2	96	0.00	0.0	8.197	0.130	0	0	0	4
PL.3070	PL.3003	B	#4 ACSR	7.25Y	120.9	0.00	4.10	0.94	1	7	2	96	0.00	0.0	8.301	0.104	0	0	0	4
PL.3004	PL.3070	B	#4 ACSR	7.25Y	120.9	0.01	4.11	0.94	1	7	2	96	0.00	0.0	8.450	0.149	0	0	0	4
PL.3005	PL.3004	B	#4 ACSR	7.25Y	120.9	0.00	4.11	0.94	1	7	2	96	0.00	0.0	8.527	0.077	0	0	0	4
PL.3071	PL.3005	B	#4 ACSR	7.25Y	120.9	0.00	4.12	0.94	1	7	2	96	0.00	0.0	8.625	0.098	0	0	0	4
PL.3006	PL.3071	B	#4 ACSR	7.25Y	120.9	0.00	4.12	0.94	1	7	2	96	0.00	0.0	8.732	0.107	0	0	0	4
PL.3177	PL.3006	B	#4 ACSR	7.25Y	120.9	0.01	4.13	0.94	1	7	2	96	0.00	0.0	8.901	0.169	0	0	0	4
PL.3178	PL.3177	B	#4 ACSR	7.25Y	120.9	0.00	4.13	0.94	1	7	2	96	0.00	0.0	8.996	0.095	0	0	0	4

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.3072	PL.3178	B	#4 ACSR	7.25Y	120.9	0.00	4.14	0.94	1	7	2	96	0.00	0.0	9.086	0.091	0	0	0	4
PL.2719	PL.3072	B	#4 ACSR	7.25Y	120.9	0.01	4.14	0.94	1	7	2	96	0.00	0.0	9.245	0.158	0	0	0	4
PL.3007	PL.2719	B	#4 ACSR	7.25Y	120.9	0.00	4.15	0.94	1	7	2	96	0.00	0.0	9.361	0.116	0	0	0	4
PL.3175	PL.3007	B	#4 ACSR	7.25Y	120.9	0.00	4.15	0.94	1	7	2	96	0.00	0.0	9.415	0.054	4	1	1	4
PL.3176	PL.3175	B	#4 ACSR	7.25Y	120.8	0.00	4.15	0.38	0	3	1	95	0.00	0.0	9.505	0.090	0	0	0	3
PL.3073	PL.3176	B	#4 ACSR	7.25Y	120.8	0.00	4.15	0.38	0	3	1	95	0.00	0.0	9.593	0.089	0	0	0	3
PL.3008	PL.3073	B	#4 ACSR	7.25Y	120.8	0.00	4.16	0.38	0	3	1	95	0.00	0.0	9.754	0.160	0	0	0	3
PL.3173	PL.3008	B	#4 ACSR	7.25Y	120.8	0.00	4.16	0.32	0	2	1	89	0.00	0.0	9.889	0.135	1	0	1	2
PL.3174	PL.3173	B	#4 ACSR	7.25Y	120.8	0.00	4.16	0.11	0	1	0	100	0.00	0.0	10.018	0.129	0	0	0	1
PL.3009	PL.3174	B	#4 ACSR	7.25Y	120.8	0.00	4.16	0.11	0	1	0	100	0.00	0.0	10.171	0.153	1	0	1	1
PL.2720	PL.3008	B	#4 ACSR	7.25Y	120.8	0.00	4.16	0.06	0	0	0	100	0.00	0.0	9.805	0.051	0	0	1	1
PL.3141	PL.3140	B	#4 ACSR	7.26Y	120.9	0.00	4.08	0.70	1	5	1	98	0.00	0.0	7.810	0.027	5	1	3	3
PL.3440	PL.2914	B	#4 ACSR	7.26Y	121.0	0.00	4.04	1.01	1	7	2	96	0.00	0.0	7.245	0.005	0	0	0	6
PD.382	PL.3440	B	10T	7.26Y	121.0	0.00	4.04	1.01	0	7	2	96	0.00	0.0	7.245	0.005	0	0	0	6
PL.3441	PD.382	B	#4 ACSR	7.26Y	121.0	0.01	4.05	1.01	1	7	2	96	0.00	0.0	7.359	0.114	0	0	0	6
PL.2999	PL.3441	B	#4 ACSR	7.26Y	120.9	0.01	4.05	1.01	1	7	2	96	0.00	0.0	7.496	0.137	0	0	0	6
PL.3000	PL.2999	B	#4 ACSR	7.26Y	120.9	0.01	4.06	1.01	1	7	2	96	0.00	0.0	7.609	0.113	0	0	0	6
PL.3001	PL.3000	B	#4 ACSR	7.26Y	120.9	0.00	4.06	1.01	1	7	2	96	0.00	0.0	7.714	0.105	0	0	0	6
PL.2915	PL.3001	B	#4 ACSR	7.26Y	120.9	0.00	4.07	1.01	1	7	2	96	0.00	0.0	7.797	0.083	2	1	2	6
PL.2917	PL.2915	B	#4 ACSR	7.26Y	120.9	0.00	4.07	0.69	1	5	1	98	0.00	0.0	7.928	0.132	3	1	2	4
PL.2918	PL.2917	B	#4 ACSR	7.26Y	120.9	0.00	4.07	0.25	0	2	0	100	0.00	0.0	8.006	0.078	0	0	0	2
PL.2916	PL.2918	B	#4 ACSR	7.26Y	120.9	0.00	4.07	0.25	0	2	0	100	0.00	0.0	8.095	0.089	2	0	2	2
PL.3131	PL.3130	ABC	#2 ACSR	7.27Y	121.1	0.08	3.87	31.32	18	657	187	96	0.43	0.1	6.312	0.107	0	0	0	183
PL.3442	PL.3131	B	#2 ACSR	7.27Y	121.1	0.00	3.87	4.31	2	30	8	97	0.00	0.0	6.317	0.005	0	0	0	6
PD.383	PL.3442	B	40QA	7.27Y	121.1	0.00	3.87	4.31	11	30	8	97	0.00	0.0	6.317	0.005	0	0	0	6
PL.3443	PD.383	B	#2 ACSR	7.27Y	121.1	0.01	3.88	4.31	2	30	8	97	0.00	0.0	6.361	0.044	0	0	0	6
PL.2920	PL.3443	B	#2 ACSR	7.27Y	121.1	0.00	3.88	4.31	2	30	8	97	0.00	0.0	6.394	0.033	3	1	2	6
PL.2921	PL.2920	B	#2 ACSR	7.27Y	121.1	0.01	3.89	3.90	2	27	7	97	0.00	0.0	6.485	0.091	11	3	1	4
PL.2725	PL.2921	B	#1/0 ACSR	7.27Y	121.1	-0.00	3.89	-0.02	0	0	0	100	0.00	0.0	6.525	0.039	0	0	1	1
PL.33079	PL.2725	B	#1/0 ACSR	7.27Y	121.1	-0.00	3.89	-0.02	0	0	0	100	0.00	0.0	6.583	0.058	0	0	0	0
PL.33080	PL.33079	B	#1/0 ACSR	7.27Y	121.1	-0.00	3.89	-0.02	0	0	0	100	0.00	0.0	6.656	0.073	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: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.33081	PL.33080	B	#1/0 ACSR	7.27Y	121.1	-0.00	3.89	-0.02	0	0	0	100	0.00	0.0	6.704	0.048	0	0	0	0
PL.33083	PL.33081	B	#1/0 ACSR	7.27Y	121.1	0.00	3.89	-0.02	0	0	0	100	0.00	0.0	6.706	0.001	0	0	0	0
PD.4894	PL.33083	B	10T	7.27Y	121.1	0.00	3.89	-0.02	0	0	0	100	0.00	0.0	6.706	0.001	0	0	0	0
PL.33084	PD.4894	B	#1/0 ACSR	7.27Y	121.1	-0.00	3.89	-0.02	0	0	0	100	0.00	0.0	6.751	0.046	0	0	0	0
PL.33085	PL.33084	B	#1/0 ACSR	7.27Y	121.1	-0.00	3.89	-0.02	0	0	0	100	0.00	0.0	6.803	0.052	0	0	0	0
PL.33086	PL.33085	B	#1/0 ACSR	7.27Y	121.1	-0.00	3.89	-0.02	0	0	0	100	0.00	0.0	6.854	0.050	0	0	0	0
PL.33087	PL.33086	B	#1/0 ACSR	7.27Y	121.1	-0.00	3.89	-0.02	0	0	0	100	0.00	0.0	6.896	0.042	0	0	0	0
PL.33088	PL.33087	B	#1/0 ACSR	7.27Y	121.1	-0.00	3.89	-0.02	0	0	0	100	0.00	0.0	6.935	0.039	0	0	0	0
PL.33089	PL.33088	B	#1/0 ACSR	7.27Y	121.1	-0.00	3.89	-0.02	0	0	0	100	0.00	0.0	6.978	0.043	0	0	0	0
PL.33090	PL.33089	B	#1/0 ACSR	7.27Y	121.1	-0.00	3.89	-0.02	0	0	0	100	0.00	0.0	7.044	0.067	0	0	0	0
PL.33091	PL.33090	B	#1/0 ACSR	7.27Y	121.1	-0.00	3.89	-0.02	0	0	0	100	0.00	0.0	7.099	0.055	0	0	0	0
PL.33092	PL.33091	B	#1/0 ACSR	7.27Y	121.1	-0.00	3.89	-0.02	0	0	0	100	0.00	0.0	7.138	0.039	0	0	0	0
PL.33093	PL.33092	B	#1/0 ACSR	7.27Y	121.1	-0.00	3.89	-0.02	0	0	0	100	0.00	0.0	7.194	0.056	0	0	0	0
PL.33094	PL.33093	B	#1/0 ACSR	7.27Y	121.1	-0.00	3.89	-0.02	0	0	0	100	0.00	0.0	7.254	0.060	0	0	0	0
PL.33095	PL.33094	B	#1/0 ACSR	7.27Y	121.1	-0.00	3.89	-0.02	0	0	0	100	0.00	0.0	7.335	0.080	0	0	0	0
PL.33096	PL.33095	B	#1/0 ACSR	7.27Y	121.1	-0.00	3.89	-0.02	0	0	0	100	0.00	0.0	7.379	0.045	0	0	0	0
PL.33097	PL.33096	B	#1/0 ACSR	7.27Y	121.1	-0.00	3.89	-0.02	0	0	0	100	0.00	0.0	7.426	0.047	0	0	0	0
PL.33098	PL.33097	B	#1/0 ACSR	7.27Y	121.1	-0.00	3.89	-0.02	0	0	0	100	0.00	0.0	7.469	0.042	0	0	0	0
PL.33099	PL.33098	B	#1/0 ACSR	7.27Y	121.1	-0.00	3.89	-0.02	0	0	0	100	0.00	0.0	7.492	0.023	0	0	0	0
PL.33100	PL.33099	B	#1/0 ACSR	7.27Y	121.1	-0.00	3.89	-0.02	0	0	0	100	0.00	0.0	7.522	0.030	0	0	0	0
PL.33101	PL.33100	B	#1/0 ACSR	7.27Y	121.1	-0.00	3.89	-0.02	0	0	0	100	0.00	0.0	7.582	0.060	0	0	0	0
PL.33102	PL.33101	B	#1/0 ACSR	7.27Y	121.1	-0.00	3.89	-0.02	0	0	0	100	0.00	0.0	7.627	0.045	0	0	0	0
PL.33103	PL.33102	B	1/0 AL URD	7.27Y	121.1	0.00	3.89	-0.02	0	0	0	100	0.00	0.0	7.672	0.045	0	0	0	0
PL.2724	PL.2921	B	#2 ACSR	7.27Y	121.1	0.00	3.89	2.39	1	17	5	96	0.00	0.0	6.511	0.026	17	5	2	2
PL.2847	PL.3131	ABC	#2 ACSR	7.26Y	121.1	0.06	3.94	29.89	17	627	179	96	0.30	0.0	6.396	0.084	7	2	1	177
PL.2721	PL.2847	ABC	#2 ACSR	7.26Y	121.0	0.08	4.01	29.47	17	618	176	96	0.37	0.1	6.501	0.105	0	0	0	175
PL.3010	PL.2721	ABC	#2 ACSR	7.25Y	120.9	0.08	4.09	29.47	17	617	176	96	0.37	0.1	6.606	0.105	0	0	0	175
PL.2723	PL.3010	C	6 A (CWC)	7.25Y	120.9	0.01	4.10	3.80	3	27	7	97	0.00	0.0	6.724	0.118	27	7	4	4
PL.3448	PL.2723	C	#4 ACSR	7.25Y	120.9	0.00	4.10	0.00	0	0	0	100	0.00	0.0	6.728	0.005	0	0	0	0
PD.386	PL.3448	C	40QA	7.25Y	120.9	0.00	4.10	0.00	0	0	0	100	0.00	0.0	6.728	0.005	0	0	0	0
PL.3449	PD.386	C	#4 ACSR	7.25Y	120.9	0.00	4.10	0.00	0	0	0	100	0.00	0.0	6.763	0.035	0	0	0	0

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PL.2931	PL.3010	ABC	#2 ACSR	7.25Y	120.9	0.05	4.14	28.20	16	590	168	96	0.24	0.0	6.679	0.073	5	1	1	171	
PL.2932	PL.2931	ABC	#2 ACSR	7.25Y	120.8	0.06	4.21	27.97	16	585	167	96	0.28	0.0	6.767	0.088	0	0	0	170	
PL.3074	PL.2932	ABC	#2 ACSR	7.24Y	120.7	0.08	4.28	27.97	16	585	166	96	0.35	0.1	6.876	0.109	0	0	0	170	
PL.2929	PL.3074	ABC	#2 ACSR	7.24Y	120.6	0.07	4.36	27.97	16	585	166	96	0.33	0.1	6.978	0.101	0	0	0	170	
PL.2930	PL.2929	ABC	#2 ACSR	7.23Y	120.6	0.07	4.43	27.97	16	584	166	96	0.32	0.1	7.078	0.100	0	0	0	170	
PL.3075	PL.2930	ABC	#2 ACSR	7.23Y	120.5	0.06	4.48	27.97	16	584	166	96	0.25	0.0	7.156	0.079	0	0	0	170	
PL.3011	PL.3075	ABC	#2 ACSR	7.23Y	120.5	0.06	4.55	27.97	16	584	166	96	0.29	0.1	7.248	0.091	0	0	0	170	
PL.3012	PL.3011	ABC	#2 ACSR	7.22Y	120.4	0.05	4.60	27.97	16	583	166	96	0.24	0.0	7.324	0.076	3	1	2	170	
PL.3187	PL.3012	ABC	#2 ACSR	7.22Y	120.4	0.05	4.65	27.84	16	580	165	96	0.20	0.0	7.389	0.065	2	1	1	168	
PL.3188	PL.3187	ABC	#2 ACSR	7.22Y	120.3	0.07	4.71	27.75	16	578	164	96	0.31	0.1	7.485	0.097	0	0	0	167	
PL.3133	PL.3188	ABC	#2 ACSR	7.21Y	120.2	0.07	4.78	27.75	16	578	164	96	0.31	0.1	7.583	0.097	0	0	1	167	
PL.3390	PL.3133	C	6 A (CWC)	7.21Y	120.2	0.00	4.78	0.00	0	0	0	100	0.00	0.0	7.587	0.005	0	0	0	0	
PL.3134	PL.3133	ABC	#2 ACSR	7.21Y	120.1	0.08	4.86	27.74	16	578	164	96	0.35	0.1	7.694	0.112	0	0	0	166	
PL.2726	PL.3134	ABC	#1/0 ACSR	7.21Y	120.1	0.05	4.92	27.74	12	577	164	96	0.22	0.0	7.803	0.109	0	0	0	166	
PL.2727	PL.2726	C	6 A (CWC)	7.20Y	120.0	0.11	5.03	31.43	22	218	62	96	0.18	0.1	7.881	0.078	10	3	2	59	
PL.3615	PL.2727	C	6 A (CWC)	7.19Y	119.9	0.10	5.13	30.05	21	208	59	96	0.17	0.1	7.957	0.076	0	0	0	57	
RG.3	PL.3615	C	76.2 KVA	7.47Y	124.5	-4.67	0.46	30.05	30	208	59	96	percent Boost= 0.00 Tap= 0.0							57	
PL.3616	RG.3	C	6 A (CWC)	7.47Y	124.5	0.08	0.54	28.92	21	208	59	96	0.13	0.1	8.019	0.063	0	0	0	57	
C PD.431	PL.3616	C	35H	7.47Y	124.5	0.00	0.54	28.92	83	208	59	96	0.00	0.0	8.019	0.063	0	0	0	57	C
PL.3594	PD.431	C	6 A (CWC)	7.45Y	124.2	0.22	0.76	28.92	21	208	59	96	0.34	0.2	8.186	0.167	0	0	0	57	
PL.2729	PL.3594	C	#4 ACSR	7.45Y	124.2	0.00	0.76	0.33	0	2	1	89	0.00	0.0	8.267	0.081	2	1	2	2	
PL.3138	PL.3594	C	6 A (CWC)	7.44Y	124.1	0.18	0.94	28.59	20	205	58	96	0.27	0.1	8.322	0.136	0	0	0	55	
PL.3139	PL.3138	C	6 A (CWC)	7.44Y	124.0	0.05	0.99	28.24	20	202	57	96	0.08	0.0	8.363	0.041	0	0	0	54	
PL.3182	PL.3139	C	6 A (CWC)	7.43Y	123.8	0.17	1.16	28.24	20	202	57	96	0.25	0.1	8.496	0.133	3	1	1	54	
PL.3183	PL.3182	C	6 A (CWC)	7.42Y	123.7	0.13	1.29	27.75	20	198	56	96	0.19	0.1	8.595	0.100	0	0	0	53	
PL.3306	PL.3183	C	6 A (CWC)	7.42Y	123.6	0.11	1.40	27.75	20	198	56	96	0.16	0.1	8.681	0.085	0	0	1	53	
PL.3307	PL.3306	C	6 A (CWC)	7.41Y	123.5	0.07	1.47	27.75	20	198	56	96	0.11	0.1	8.740	0.059	8	2	1	52	
PL.3305	PL.3307	C	6 A (CWC)	7.40Y	123.4	0.11	1.59	26.65	19	190	54	96	0.16	0.1	8.832	0.091	0	0	0	51	
PL.3013	PL.3305	C	6 A (CWC)	7.40Y	123.3	0.12	1.71	26.65	19	190	54	96	0.17	0.1	8.931	0.099	0	0	0	51	
PL.3132	PL.3013	C	6 A (CWC)	7.39Y	123.1	0.18	1.89	26.21	19	187	53	96	0.24	0.1	9.088	0.157	17	5	6	49	
PL.3319	PL.3132	C	6 A (CWC)	7.38Y	123.0	0.09	1.98	22.59	16	161	45	96	0.11	0.1	9.180	0.093	9	3	3	41	

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.3320	PL.3319	C	6 A (CWC)	7.38Y	123.0	0.05	2.03	21.28	15	151	43	96	0.06	0.0	9.232	0.052	5	1	2	38
PL.3321	PL.3320	C	6 A (CWC)	7.38Y	122.9	0.03	2.06	20.53	15	146	41	96	0.03	0.0	9.265	0.033	7	2	1	36
PL.3318	PL.3321	C	6 A (CWC)	7.37Y	122.9	0.06	2.12	19.61	14	139	39	96	0.06	0.0	9.333	0.068	0	0	0	35
PL.3324	PL.3318	C	6 A (CWC)	7.37Y	122.8	0.06	2.18	19.61	14	139	39	96	0.07	0.0	9.405	0.071	4	1	1	35
PL.3325	PL.3324	C	6 A (CWC)	7.37Y	122.8	0.05	2.23	19.06	14	135	38	96	0.05	0.0	9.459	0.054	0	0	0	34
PL.3326	PL.3325	C	6 A (CWC)	7.36Y	122.7	0.05	2.28	19.06	14	135	38	96	0.05	0.0	9.515	0.057	6	2	1	34
PL.3323	PL.3326	C	6 A (CWC)	7.36Y	122.6	0.07	2.35	18.23	13	129	36	96	0.07	0.1	9.606	0.091	8	2	2	33
PL.3322	PL.3323	C	6 A (CWC)	7.35Y	122.6	0.07	2.42	17.14	12	121	34	96	0.06	0.1	9.693	0.087	0	0	0	31
PL.3076	PL.3322	C	6 A (CWC)	7.35Y	122.5	0.10	2.52	17.14	12	121	34	96	0.09	0.1	9.815	0.123	0	0	0	31
PL.3014	PL.3076	C	6 A (CWC)	7.34Y	122.4	0.07	2.59	17.14	12	121	34	96	0.07	0.1	9.910	0.095	0	0	0	31
PL.3336	PL.3014	C	6 A (CWC)	7.34Y	122.3	0.07	2.66	17.14	12	121	34	96	0.06	0.0	9.994	0.084	2	1	1	31
PL.3337	PL.3336	C	6 A (CWC)	7.34Y	122.3	0.05	2.71	16.87	12	119	33	96	0.04	0.0	10.058	0.064	0	0	0	30
PL.3334	PL.3337	C	6 A (CWC)	7.33Y	122.2	0.08	2.79	16.87	12	119	33	96	0.07	0.1	10.168	0.109	5	1	1	30
PL.3335	PL.3334	C	6 A (CWC)	7.33Y	122.1	0.07	2.86	16.14	12	114	32	96	0.06	0.1	10.260	0.092	0	0	0	29
PL.3137	PL.3335	C	6 A (CWC)	7.33Y	122.1	0.03	2.89	16.14	12	114	32	96	0.03	0.0	10.306	0.047	4	1	1	29
PL.2747	PL.3137	C	6 A (CWC)	7.33Y	122.1	0.00	2.90	0.87	1	6	2	95	0.00	0.0	10.409	0.103	0	0	0	1
PL.3015	PL.2747	C	6 A (CWC)	7.33Y	122.1	0.00	2.90	0.87	1	6	2	95	0.00	0.0	10.529	0.120	0	0	0	1
PL.3016	PL.3015	C	6 A (CWC)	7.33Y	122.1	0.00	2.90	0.87	1	6	2	95	0.00	0.0	10.644	0.115	6	2	1	1
PL.3328	PL.3137	C	6 A (CWC)	7.32Y	122.1	0.04	2.94	14.70	11	104	29	96	0.03	0.0	10.374	0.067	8	2	1	27
PL.3329	PL.3328	C	6 A (CWC)	7.32Y	122.0	0.04	2.98	13.54	10	95	27	96	0.03	0.0	10.445	0.072	13	4	3	26
PL.3327	PL.3329	C	6 A (CWC)	7.32Y	122.0	0.03	3.01	11.68	8	82	23	96	0.02	0.0	10.511	0.066	10	3	1	23
PL.3330	PL.3327	C	6 A (CWC)	7.32Y	122.0	0.02	3.03	10.21	7	72	20	96	0.01	0.0	10.562	0.051	8	2	4	22
PL.3331	PL.3330	C	6 A (CWC)	7.32Y	121.9	0.05	3.08	9.08	6	64	18	96	0.02	0.0	10.674	0.112	0	0	0	18
PL.2748	PL.3331	C	6 A (CWC)	7.32Y	121.9	0.00	3.08	0.00	0	0	0	100	0.00	0.0	10.741	0.067	0	0	1	1
PL.2749	PL.3331	C	6 A (CWC)	7.31Y	121.9	0.04	3.12	9.08	6	64	18	96	0.02	0.0	10.774	0.101	0	0	0	17
PL.2750	PL.2749	C	6 A (CWC)	7.31Y	121.9	0.00	3.12	0.76	1	5	2	93	0.00	0.0	10.833	0.059	2	1	1	2
PL.2938	PL.2750	C	#1/0 ACSR	7.31Y	121.9	0.00	3.12	0.51	0	4	1	97	0.00	0.0	10.838	0.005	0	0	0	1
PD.408	PL.2938	C	40QA	7.31Y	121.9	0.00	3.12	0.51	1	4	1	97	0.00	0.0	10.838	0.005	0	0	0	1
PL.2939	PD.408	C	#1/0 ACSR	7.31Y	121.9	0.00	3.12	0.51	0	4	1	97	0.00	0.0	11.000	0.163	0	0	0	1
PL.3017	PL.2939	C	#1/0 ACSR	7.31Y	121.9	0.00	3.13	0.51	0	4	1	97	0.00	0.0	11.159	0.159	0	0	0	1
PL.3018	PL.3017	C	#1/0 ACSR	7.31Y	121.9	0.00	3.13	0.51	0	4	1	97	0.00	0.0	11.314	0.156	0	0	0	1

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.3077	PL.3018	C	#1/0 ACSR	7.31Y	121.9	0.00	3.13	0.51	0	4	1	97	0.00	0.0	11.396	0.082	0	0	0	1
PL.3019	PL.3077	C	#1/0 ACSR	7.31Y	121.9	0.00	3.13	0.51	0	4	1	97	0.00	0.0	11.500	0.104	4	1	1	1
PL.2848	PL.2749	C	6 A (CWC)	7.31Y	121.8	0.04	3.16	8.31	6	59	16	97	0.02	0.0	10.887	0.113	0	0	0	15
PL.3332	PL.2848	C	#4 ACSR	7.31Y	121.8	0.00	3.17	1.46	1	10	3	96	0.00	0.0	10.967	0.080	8	2	2	3
PL.3333	PL.3332	C	#4 ACSR	7.31Y	121.8	0.00	3.17	0.34	0	2	1	89	0.00	0.0	11.013	0.046	0	0	0	1
PL.2752	PL.3333	C	#4 ACSR	7.31Y	121.8	0.00	3.17	0.34	0	2	1	89	0.00	0.0	11.054	0.041	2	1	1	1
PL.2751	PL.2848	C	#1/0 ACSR	7.31Y	121.8	0.01	3.18	6.85	3	48	14	96	0.00	0.0	10.976	0.089	0	0	0	12
PL.3020	PL.2751	C	#1/0 ACSR	7.31Y	121.8	0.02	3.20	6.85	3	48	14	96	0.01	0.0	11.098	0.122	0	0	0	12
PL.3021	PL.3020	C	#1/0 ACSR	7.31Y	121.8	0.02	3.22	6.85	3	48	13	97	0.01	0.0	11.229	0.131	0	0	0	12
PL.3022	PL.3021	C	#1/0 ACSR	7.31Y	121.8	0.02	3.24	6.85	3	48	13	97	0.01	0.0	11.378	0.149	0	0	0	12
PL.3023	PL.3022	C	#1/0 ACSR	7.30Y	121.7	0.02	3.26	6.85	3	48	13	97	0.01	0.0	11.491	0.113	0	0	0	12
PL.3024	PL.3023	C	#1/0 ACSR	7.30Y	121.7	0.02	3.28	6.85	3	48	13	97	0.01	0.0	11.643	0.152	0	0	0	12
PL.3025	PL.3024	C	#1/0 ACSR	7.30Y	121.7	0.02	3.30	6.85	3	48	13	97	0.01	0.0	11.775	0.133	0	0	0	12
PL.3026	PL.3025	C	#1/0 ACSR	7.30Y	121.7	0.02	3.33	6.85	3	48	13	97	0.01	0.0	11.918	0.143	0	0	0	12
PL.3027	PL.3026	C	#1/0 ACSR	7.30Y	121.7	0.01	3.34	6.85	3	48	13	97	0.00	0.0	12.004	0.086	7	2	2	12
PL.2753	PL.3027	C	#4 ACSR	7.30Y	121.6	0.02	3.36	5.83	4	41	11	97	0.00	0.0	12.065	0.061	0	0	0	10
PL.2849	PL.2753	C	#4 ACSR	7.30Y	121.6	0.02	3.37	3.81	3	27	7	97	0.00	0.0	12.158	0.093	0	0	0	7
PL.3338	PL.2849	C	#4 ACSR	7.30Y	121.6	0.01	3.38	3.81	3	27	7	97	0.00	0.0	12.239	0.080	4	1	1	7
PL.3339	PL.3338	C	#4 ACSR	7.30Y	121.6	0.01	3.40	3.24	2	23	6	97	0.00	0.0	12.373	0.134	21	6	3	6
PL.3340	PL.3339	C	#4 ACSR	7.30Y	121.6	0.00	3.40	0.32	0	2	1	89	0.00	0.0	12.480	0.107	0	0	0	3
PL.2755	PL.3340	C	#4 ACSR	7.30Y	121.6	0.00	3.40	0.32	0	2	1	89	0.00	0.0	12.637	0.157	0	0	0	3
PL.3028	PL.2755	C	#4 ACSR	7.30Y	121.6	0.00	3.40	0.32	0	2	1	89	0.00	0.0	12.693	0.057	0	0	0	3
PL.2756	PL.3028	C	#4 ACSR	7.30Y	121.6	0.00	3.40	0.32	0	2	1	89	0.00	0.0	12.732	0.039	0	0	0	3
PL.2757	PL.2756	C	#2 ACSR	7.30Y	121.6	0.00	3.40	0.32	0	2	1	89	0.00	0.0	12.817	0.084	0	0	0	3
PL.3029	PL.2757	C	#2 ACSR	7.30Y	121.6	0.00	3.40	0.32	0	2	1	89	0.00	0.0	12.900	0.084	0	0	0	3
PL.3341	PL.3029	C	#2 ACSR	7.30Y	121.6	0.00	3.40	0.32	0	2	1	89	0.00	0.0	12.942	0.042	0	0	1	3
PL.3342	PL.3341	C	#2 ACSR	7.30Y	121.6	0.00	3.40	0.32	0	2	1	89	0.00	0.0	12.992	0.050	0	0	1	2
PL.2758	PL.3342	C	#2 ACSR	7.30Y	121.6	0.00	3.40	0.31	0	2	1	89	0.00	0.0	13.033	0.041	2	1	1	1
PL.2754	PL.2753	C	#2 ACSR	7.30Y	121.6	0.00	3.36	2.01	1	14	4	96	0.00	0.0	12.099	0.034	14	4	3	3
PL.2746	PL.3132	C	6 A (CWC)	7.39Y	123.1	0.00	1.89	1.26	1	9	2	98	0.00	0.0	9.168	0.080	9	2	2	2
PL.2745	PL.3013	C	#2 ACSR	7.40Y	123.3	0.00	1.71	0.43	0	3	1	95	0.00	0.0	8.975	0.044	3	1	2	2

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.2744	PL.3138	C	#2 ACSR	7.44Y	124.1	0.00	0.94	0.35	0	3	1	95	0.00	0.0	8.352	0.030	3	1	1	1
PL.3609	PL.2726	ABC	#1/0 ACSR	7.20Y	120.1	0.02	4.94	17.27	8	359	101	96	0.06	0.0	7.881	0.077	0	0	0	107
PD.439	PL.3609	ABC	35L	7.20Y	120.1	0.00	4.94	17.27	49	359	101	96	0.00	0.0	7.881	0.077	0	0	0	107
PL.3610	PD.439	ABC	#1/0 ACSR	7.20Y	120.0	0.05	4.99	17.27	8	359	101	96	0.12	0.0	8.035	0.155	0	0	1	107
PL.2933	PL.3610	ABC	#1/0 ACSR	7.20Y	120.0	0.02	5.00	17.27	8	359	101	96	0.04	0.0	8.089	0.053	0	0	0	106
PL.2850	PL.2933	ABC	#1/0 ACSR	7.20Y	120.0	0.03	5.04	17.27	8	359	101	96	0.08	0.0	8.189	0.100	0	0	0	104
PL.3452	PL.2850	C	#4 ACSR	7.20Y	120.0	0.00	5.04	0.00	0	0	0	100	0.00	0.0	8.194	0.005	0	0	0	0
PD.388	PL.3452	C	40QA	7.20Y	120.0	0.00	5.04	0.00	0	0	0	100	0.00	0.0	8.194	0.005	0	0	0	0
PL.3453	PD.388	C	#4 ACSR	7.20Y	120.0	0.00	5.04	0.00	0	0	0	100	0.00	0.0	8.236	0.042	0	0	0	0
PL.3180	PL.2850	ABC	#1/0 ACSR	7.20Y	119.9	0.03	5.07	17.27	8	359	101	96	0.08	0.0	8.293	0.104	16	5	2	104
PL.3181	PL.3180	ABC	#1/0 ACSR	7.19Y	119.9	0.02	5.08	16.49	7	343	96	96	0.04	0.0	8.349	0.056	0	0	0	102
PL.3454	PL.3181	C	#4 ACSR	7.19Y	119.9	0.00	5.08	0.84	1	6	2	95	0.00	0.0	8.354	0.005	0	0	0	1
PD.389	PL.3454	C	40QA	7.19Y	119.9	0.00	5.08	0.84	2	6	2	95	0.00	0.0	8.354	0.005	0	0	0	1
PL.3455	PD.389	C	#4 ACSR	7.19Y	119.9	0.00	5.08	0.84	1	6	2	95	0.00	0.0	8.372	0.018	6	2	1	1
PL.2851	PL.3181	ABC	#1/0 ACSR	7.19Y	119.9	0.03	5.11	16.21	7	337	95	96	0.06	0.0	8.436	0.087	0	0	0	101
PL.3030	PL.2851	ABC	#1/0 ACSR	7.19Y	119.9	0.03	5.14	16.21	7	337	95	96	0.08	0.0	8.547	0.111	0	0	0	101
PL.3031	PL.3030	ABC	#1/0 ACSR	7.19Y	119.8	0.03	5.17	16.21	7	337	95	96	0.08	0.0	8.658	0.111	0	0	0	101
PL.3032	PL.3031	ABC	#1/0 ACSR	7.19Y	119.8	0.03	5.21	16.21	7	337	95	96	0.07	0.0	8.763	0.105	0	0	0	101
PL.3574	PL.3032	C	#4 ACSR	7.19Y	119.8	0.00	5.21	6.51	5	45	13	96	0.00	0.0	8.767	0.004	0	0	0	22
PD.422	PL.3574	C	40QA	7.19Y	119.8	0.00	5.21	6.51	16	45	13	96	0.00	0.0	8.767	0.004	0	0	0	22
PL.3575	PD.422	C	#4 ACSR	7.19Y	119.8	0.00	5.21	6.51	5	45	13	96	0.00	0.0	8.780	0.013	1	0	1	22
PL.2728	PL.3575	C	#4 ACSR	7.19Y	119.8	0.01	5.22	6.41	5	44	12	96	0.00	0.0	8.809	0.029	6	2	1	21
PL.2730	PL.2728	C	#4 ACSR	7.19Y	119.8	0.01	5.22	5.54	4	38	11	96	0.00	0.0	8.830	0.021	0	0	0	20
PL.3184	PL.2730	C	#4 ACSR	7.19Y	119.8	0.00	5.23	5.54	4	38	11	96	0.00	0.0	8.845	0.015	0	0	1	20
PL.3185	PL.3184	C	#4 ACSR	7.19Y	119.8	0.01	5.24	5.53	4	38	11	96	0.00	0.0	8.894	0.050	1	0	2	19
PL.3186	PL.3185	C	#4 ACSR	7.18Y	119.7	0.03	5.27	5.34	4	37	10	97	0.01	0.0	9.023	0.129	0	0	0	17
PL.3078	PL.3186	C	#4 ACSR	7.18Y	119.7	0.02	5.29	5.34	4	37	10	97	0.00	0.0	9.096	0.073	0	0	0	17
PL.3033	PL.3078	C	#4 ACSR	7.18Y	119.7	0.02	5.31	5.34	4	37	10	97	0.01	0.0	9.190	0.094	0	0	0	17
PL.3314	PL.3033	C	#4 ACSR	7.18Y	119.7	0.02	5.33	5.34	4	37	10	97	0.01	0.0	9.293	0.103	3	1	1	17
PL.3315	PL.3314	C	#4 ACSR	7.18Y	119.7	0.01	5.34	4.87	4	34	9	97	0.00	0.0	9.351	0.058	2	1	1	16
PL.3313	PL.3315	C	#4 ACSR	7.18Y	119.6	0.03	5.38	4.53	3	31	9	96	0.01	0.0	9.521	0.170	4	1	1	15

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.3311	PL.3313	C	#4 ACSR	7.18Y	119.6	0.01	5.39	3.37	3	23	7	96	0.00	0.0	9.577	0.056	0	0	1	10
PL.3312	PL.3311	C	#4 ACSR	7.18Y	119.6	0.01	5.40	3.37	3	23	7	96	0.00	0.0	9.653	0.076	2	1	1	9
PL.3308	PL.3312	C	#4 ACSR	7.18Y	119.6	0.00	5.40	3.01	2	21	6	96	0.00	0.0	9.668	0.015	2	1	2	8
PL.3309	PL.3308	C	#4 ACSR	7.18Y	119.6	0.00	5.40	2.74	2	19	5	97	0.00	0.0	9.717	0.049	12	3	5	6
PL.3310	PL.3309	C	#4 ACSR	7.18Y	119.6	0.00	5.40	0.94	1	6	2	95	0.00	0.0	9.758	0.041	6	2	1	1
PL.2731	PL.3313	C	#4 ACSR	7.18Y	119.6	0.00	5.38	0.25	0	2	0	100	0.00	0.0	9.593	0.072	2	0	2	2
PL.3316	PL.3313	C	#4 ACSR	7.18Y	119.6	0.00	5.38	0.28	0	2	1	89	0.00	0.0	9.563	0.042	2	0	1	2
PL.3317	PL.3316	C	#4 ACSR	7.18Y	119.6	0.00	5.38	0.03	0	0	0	100	0.00	0.0	9.596	0.033	0	0	1	1
PL.2852	PL.3032	ABC	#1/0 ACSR	7.19Y	119.8	0.02	5.23	14.04	6	291	82	96	0.05	0.0	8.851	0.088	0	0	0	79
PL.3034	PL.2852	ABC	#1/0 ACSR	7.18Y	119.7	0.04	5.26	14.04	6	291	82	96	0.07	0.0	8.990	0.139	0	0	0	79
PL.2853	PL.3034	ABC	#1/0 ACSR	7.18Y	119.7	0.02	5.28	13.89	6	288	81	96	0.04	0.0	9.069	0.079	0	0	0	78
PL.2900	PL.2853	C	#2 ACSR 6/	7.18Y	119.7	0.00	5.28	1.94	1	13	4	96	0.00	0.0	9.079	0.010	7	2	1	2
PL.2901	PL.2900	C	#2 ACSR 6/	7.18Y	119.7	0.00	5.28	0.89	0	6	2	95	0.00	0.0	9.114	0.035	6	2	1	1
PL.3434	PL.2853	A	#4 ACSR	7.18Y	119.7	0.00	5.28	5.77	4	40	11	96	0.00	0.0	9.074	0.005	0	0	0	8
PD.379	PL.3434	A	40QA	7.18Y	119.7	0.00	5.28	5.77	14	40	11	96	0.00	0.0	9.074	0.005	0	0	0	8
PL.3435	PD.379	A	#4 ACSR	7.18Y	119.7	0.01	5.29	5.77	4	40	11	96	0.00	0.0	9.112	0.038	0	0	0	8
PL.2904	PL.3435	A	#4 ACSR	7.18Y	119.7	0.01	5.30	2.89	2	20	6	96	0.00	0.0	9.172	0.061	1	0	1	4
PL.2909	PL.2904	A	#4 ACSR	7.18Y	119.7	0.00	5.31	2.75	2	19	5	97	0.00	0.0	9.246	0.073	19	5	3	3
PL.2910	PL.2909	A	#4 ACSR	7.18Y	119.7	0.00	5.31	0.00	0	0	0	100	0.00	0.0	9.291	0.045	0	0	0	0
PL.2734	PL.3435	A	#4 ACSR	7.18Y	119.7	0.01	5.30	2.88	2	20	6	96	0.00	0.0	9.160	0.048	1	0	1	4
PL.2733	PL.2734	A	#4 ACSR	7.18Y	119.7	0.00	5.30	1.03	1	7	2	96	0.00	0.0	9.174	0.014	7	2	1	1
PL.2732	PL.2734	A	#4 ACSR	7.18Y	119.7	0.00	5.30	1.64	1	11	3	96	0.00	0.0	9.209	0.049	11	3	2	2
PL.2902	PL.2853	ABC	#1/0 ACSR	7.18Y	119.7	0.01	5.30	11.32	5	235	66	96	0.02	0.0	9.139	0.070	2	1	1	68
PL.2903	PL.2902	ABC	#1/0 ACSR	7.18Y	119.7	0.01	5.31	11.21	5	232	65	96	0.02	0.0	9.206	0.067	0	0	0	67
PL.3035	PL.2903	ABC	#1/0 ACSR	7.18Y	119.7	0.01	5.32	11.21	5	232	65	96	0.02	0.0	9.272	0.066	0	0	0	67
PL.2907	PL.3035	ABC	#1/0 ACSR	7.18Y	119.6	0.03	5.35	11.21	5	232	65	96	0.05	0.0	9.412	0.140	0	0	0	67
PL.2908	PL.2907	ABC	#1/0 ACSR	7.18Y	119.6	0.01	5.36	11.21	5	232	65	96	0.02	0.0	9.469	0.057	4	1	3	67
PL.2906	PL.2908	ABC	#1/0 ACSR	7.18Y	119.6	0.02	5.38	11.00	5	228	64	96	0.02	0.0	9.546	0.077	5	1	1	64
PL.2905	PL.2906	ABC	#1/0 ACSR	7.18Y	119.6	0.02	5.40	10.75	5	223	63	96	0.03	0.0	9.645	0.099	0	0	0	63
PL.3036	PL.2905	ABC	#1/0 ACSR	7.18Y	119.6	0.02	5.41	10.75	5	223	63	96	0.03	0.0	9.729	0.084	0	0	0	63
PL.3037	PL.3036	ABC	#1/0 ACSR	7.17Y	119.6	0.02	5.43	10.75	5	223	63	96	0.03	0.0	9.833	0.104	0	0	0	63

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.3038	PL.3037	ABC	#1/0 ACSR	7.17Y	119.6	0.00	5.44	10.75	5	223	62	96	0.01	0.0	9.859	0.026	0	0	0	63
PL.2854	PL.3038	ABC	#1/0 ACSR	7.17Y	119.5	0.02	5.46	10.43	5	216	61	96	0.03	0.0	9.960	0.101	0	0	0	59
PL.2735	PL.2854	A	#1/0 ACSR	7.17Y	119.5	0.00	5.46	1.16	1	8	2	97	0.00	0.0	9.997	0.037	8	2	1	1
PL.2855	PL.2854	ABC	#1/0 ACSR	7.17Y	119.5	0.02	5.48	10.05	4	208	58	96	0.03	0.0	10.058	0.098	0	0	0	58
PL.3039	PL.2855	ABC	#1/0 ACSR	7.17Y	119.5	0.02	5.49	10.05	4	208	58	96	0.02	0.0	10.142	0.084	0	0	0	58
PL.3040	PL.3039	ABC	#1/0 ACSR	7.17Y	119.5	0.02	5.51	10.05	4	208	58	96	0.02	0.0	10.233	0.090	0	0	0	58
PL.3142	PL.3040	ABC	#1/0 ACSR	7.17Y	119.5	0.02	5.53	10.05	4	208	58	96	0.02	0.0	10.326	0.093	4	1	1	58
PL.3295	PL.3142	ABC	#1/0 ACSR	7.17Y	119.5	0.02	5.54	9.39	4	194	54	96	0.03	0.0	10.439	0.113	2	1	1	52
PL.3296	PL.3295	ABC	#1/0 ACSR	7.17Y	119.4	0.01	5.55	9.28	4	192	54	96	0.01	0.0	10.489	0.049	0	0	0	51
PL.2936	PL.3296	C	#2 ACSR	7.17Y	119.4	0.00	5.55	1.11	1	8	2	97	0.00	0.0	10.493	0.005	0	0	0	1
PD.407	PL.2936	C	40QA	7.17Y	119.4	0.00	5.55	1.11	3	8	2	97	0.00	0.0	10.493	0.005	0	0	0	1
PL.2937	PD.407	C	#2 ACSR	7.17Y	119.4	0.00	5.55	1.11	1	8	2	97	0.00	0.0	10.534	0.041	8	2	1	1
PL.2856	PL.3296	ABC	#1/0 ACSR	7.17Y	119.4	0.01	5.56	8.91	4	184	52	96	0.01	0.0	10.552	0.063	0	0	0	50
PL.3486	PL.2856	A	#1/0 ACSR	7.17Y	119.4	0.00	5.56	7.60	3	52	15	96	0.00	0.0	10.556	0.005	0	0	0	16
PD.405	PL.3486	A	40QA	7.17Y	119.4	0.00	5.56	7.60	19	52	15	96	0.00	0.0	10.556	0.005	0	0	0	16
PL.3487	PD.405	A	#1/0 ACSR	7.17Y	119.4	0.00	5.57	7.60	3	52	15	96	0.00	0.0	10.575	0.019	0	0	0	16
PL.3297	PL.3487	A	#1/0 ACSR	7.17Y	119.4	0.01	5.58	7.60	3	52	15	96	0.00	0.0	10.633	0.057	0	0	0	16
PL.3280	PL.3297	A	#1/0 ACSR	7.16Y	119.4	0.02	5.60	7.60	3	52	15	96	0.01	0.0	10.747	0.115	0	0	0	16
PL.3281	PL.3280	A	#1/0 ACSR	7.16Y	119.4	0.01	5.61	7.60	3	52	15	96	0.00	0.0	10.833	0.086	15	4	3	16
PL.3282	PL.3281	A	#1/0 ACSR	7.16Y	119.4	0.01	5.62	5.46	2	38	11	96	0.00	0.0	10.946	0.113	0	0	2	13
PL.2896	PL.3282	A	#1/0 ACSR	7.16Y	119.4	0.01	5.63	5.39	2	37	10	97	0.00	0.0	11.025	0.078	17	5	6	11
PL.2897	PL.2896	A	#1/0 ACSR	7.16Y	119.4	0.00	5.64	3.00	1	21	6	96	0.00	0.0	11.083	0.058	0	0	1	5
PL.2898	PL.2897	A	#1/0 ACSR	7.16Y	119.4	0.01	5.64	1.89	1	13	4	96	0.00	0.0	11.233	0.151	2	0	1	3
PL.2899	PL.2898	A	#1/0 ACSR	7.16Y	119.4	0.00	5.64	1.64	1	11	3	96	0.00	0.0	11.257	0.024	0	0	0	2
PL.2858	PL.2899	A	#1/0 ACSR	7.16Y	119.4	0.00	5.64	0.82	0	6	2	95	0.00	0.0	11.290	0.033	6	2	1	1
PL.2736	PL.2899	A	#4 ACSR	7.16Y	119.4	0.00	5.64	0.82	1	6	2	95	0.00	0.0	11.285	0.028	6	2	1	1
PL.2737	PL.2897	A	#2 ACSR	7.16Y	119.4	0.00	5.64	1.05	1	7	2	96	0.00	0.0	11.114	0.032	7	2	1	1
PL.2857	PL.2856	ABC	#1/0 ACSR	7.17Y	119.4	0.00	5.57	6.38	3	132	37	96	0.00	0.0	10.595	0.043	0	0	0	34
PL.2934	PL.2857	A	#2 ACSR	7.17Y	119.4	0.00	5.57	1.42	1	10	3	96	0.00	0.0	10.599	0.005	0	0	0	2
PD.406	PL.2934	A	40QA	7.17Y	119.4	0.00	5.57	1.42	4	10	3	96	0.00	0.0	10.599	0.005	0	0	0	2
PL.2935	PD.406	A	#2 ACSR	7.17Y	119.4	0.00	5.57	1.42	1	10	3	96	0.00	0.0	10.621	0.022	10	3	2	2

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Balanced Voltage Drop Report
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Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.2859	PL.2857	ABC	#1/0 ACSR	7.17Y	119.4	0.00	5.57	5.90	3	122	34	96	0.00	0.0	10.638	0.044	0	0	0	32
PL.3484	PL.2859	A	#4 ACSR	7.17Y	119.4	0.00	5.58	17.71	14	122	34	96	0.00	0.0	10.643	0.005	0	0	0	32
PD.404	PL.3484	A	25T	7.17Y	119.4	0.00	5.58	17.71	0	122	34	96	0.00	0.0	10.643	0.005	0	0	0	32
PL.3485	PD.404	A	#4 ACSR	7.16Y	119.4	0.04	5.61	17.71	14	122	34	96	0.03	0.0	10.691	0.048	10	3	3	32
PL.3279	PL.3485	A	#4 ACSR	7.16Y	119.3	0.11	5.73	16.23	12	112	31	96	0.10	0.1	10.853	0.162	6	2	2	29
PL.3278	PL.3279	A	#4 ACSR	7.15Y	119.2	0.03	5.76	15.30	12	105	30	96	0.03	0.0	10.904	0.052	4	1	2	27
PL.3277	PL.3278	A	#4 ACSR	7.15Y	119.1	0.10	5.86	14.73	11	102	28	96	0.08	0.1	11.059	0.155	0	0	0	25
PL.3293	PL.3277	A	#4 ACSR	7.14Y	119.1	0.05	5.92	14.73	11	101	28	96	0.04	0.0	11.144	0.084	5	1	1	25
PL.3294	PL.3293	A	#4 ACSR	7.14Y	119.0	0.07	5.99	14.07	11	97	27	96	0.05	0.1	11.254	0.110	0	0	0	24
PL.2738	PL.3294	A	#4 ACSR	7.14Y	119.0	0.06	6.04	14.07	11	97	27	96	0.04	0.0	11.345	0.091	0	0	0	24
PL.3290	PL.2738	A	#4 ACSR	7.13Y	118.9	0.06	6.10	14.07	11	97	27	96	0.04	0.0	11.446	0.102	10	3	1	24
PL.3291	PL.3290	A	#4 ACSR	7.13Y	118.9	0.03	6.13	12.55	10	86	24	96	0.02	0.0	11.492	0.046	4	1	2	23
PL.3292	PL.3291	A	#4 ACSR	7.13Y	118.8	0.06	6.18	11.98	9	82	23	96	0.04	0.0	11.597	0.104	0	0	0	21
PL.3041	PL.3292	A	#4 ACSR	7.13Y	118.8	0.05	6.24	11.98	9	82	23	96	0.04	0.0	11.699	0.102	0	0	0	21
PL.2740	PL.3041	A	#2 ACSR	7.13Y	118.8	0.00	6.24	1.99	1	14	4	96	0.00	0.0	11.765	0.066	14	4	2	2
PL.2739	PL.3041	A	#4 ACSR	7.12Y	118.7	0.04	6.28	9.99	8	69	19	96	0.02	0.0	11.804	0.105	10	3	2	19
PL.3288	PL.2739	A	#4 ACSR	7.12Y	118.7	0.00	6.29	1.69	1	12	3	97	0.00	0.0	11.879	0.075	10	3	2	3
PL.3289	PL.3288	A	#4 ACSR	7.12Y	118.7	0.00	6.29	0.25	0	2	0	100	0.00	0.0	11.949	0.071	2	0	1	1
PL.3285	PL.3289	A	#4 ACSR	7.12Y	118.7	0.00	6.29	0.00	0	0	0	100	0.00	0.0	12.100	0.150	0	0	0	0
PL.3042	PL.3285	A	#4 ACSR	7.12Y	118.7	0.00	6.29	0.00	0	0	0	100	0.00	0.0	12.206	0.106	0	0	0	0
PL.3079	PL.3042	A	#4 ACSR	7.12Y	118.7	0.00	6.29	0.00	0	0	0	100	0.00	0.0	12.286	0.080	0	0	0	0
PL.3043	PL.3079	A	#4 ACSR	7.12Y	118.7	0.00	6.29	0.00	0	0	0	100	0.00	0.0	12.345	0.059	0	0	0	0
PL.3286	PL.2739	A	#4 ACSR	7.12Y	118.7	0.02	6.30	6.85	5	47	13	96	0.01	0.0	11.862	0.058	1	0	2	14
PL.3287	PL.3286	A	#4 ACSR	7.12Y	118.7	0.01	6.31	6.68	5	46	13	96	0.00	0.0	11.917	0.055	13	4	1	12
PL.3283	PL.3287	A	#4 ACSR	7.12Y	118.7	0.01	6.32	4.72	4	32	9	96	0.00	0.0	11.967	0.050	9	2	3	11
PL.3284	PL.3283	A	#4 ACSR	7.12Y	118.7	0.01	6.33	3.47	3	24	7	96	0.00	0.0	12.006	0.039	6	2	1	8
PL.3301	PL.3284	A	#4 ACSR	7.12Y	118.7	0.02	6.35	2.65	2	18	5	96	0.00	0.0	12.147	0.141	0	0	0	7
PL.3302	PL.3301	A	#4 ACSR	7.12Y	118.6	0.02	6.36	2.65	2	18	5	96	0.00	0.0	12.281	0.134	0	0	0	7
PL.3044	PL.3302	A	#4 ACSR	7.12Y	118.6	0.01	6.37	2.65	2	18	5	96	0.00	0.0	12.355	0.074	0	0	0	7
PL.2741	PL.3044	A	#4 ACSR	7.12Y	118.6	0.00	6.37	1.32	1	9	3	95	0.00	0.0	12.422	0.067	0	0	0	5
PL.3298	PL.2741	A	#4 ACSR	7.12Y	118.6	0.01	6.38	1.32	1	9	3	95	0.00	0.0	12.537	0.115	1	0	2	5

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Balanced Voltage Drop Report
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Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.3299	PL.3298	A	#4 ACSR	7.12Y	118.6	0.00	6.38	1.22	1	8	2	97	0.00	0.0	12.613	0.076	0	0	0	3
PL.3300	PL.3299	A	#4 ACSR	7.12Y	118.6	0.01	6.39	1.22	1	8	2	97	0.00	0.0	12.744	0.130	0	0	0	3
PL.3303	PL.3300	A	#4 ACSR	7.12Y	118.6	0.00	6.40	1.22	1	8	2	97	0.00	0.0	12.891	0.147	8	2	3	3
PL.3304	PL.3303	A	#4 ACSR	7.12Y	118.6	0.00	6.40	0.00	0	0	0	100	0.00	0.0	13.019	0.128	0	0	0	0
PL.2743	PL.3304	A	#4 ACSR	7.12Y	118.6	0.00	6.40	0.00	0	0	0	100	0.00	0.0	13.077	0.058	0	0	0	0
PL.2742	PL.3044	A	#4 ACSR	7.12Y	118.6	0.00	6.37	1.34	1	9	3	95	0.00	0.0	12.405	0.050	9	3	2	2
PL.3482	PL.3142	A	#2 ACSR	7.17Y	119.5	0.00	5.53	1.46	1	10	3	96	0.00	0.0	10.330	0.005	0	0	0	5
PD.403	PL.3482	A	40QA	7.17Y	119.5	0.00	5.53	1.46	4	10	3	96	0.00	0.0	10.330	0.005	0	0	0	5
PL.3483	PD.403	A	#2 ACSR	7.17Y	119.5	0.00	5.53	1.46	1	10	3	96	0.00	0.0	10.358	0.028	10	3	5	5
PL.3438	PL.3038	A	#4 ACSR	7.17Y	119.6	0.00	5.44	0.95	1	7	2	96	0.00	0.0	9.864	0.005	0	0	0	4
PD.381	PL.3438	A	40QA	7.17Y	119.6	0.00	5.44	0.95	2	7	2	96	0.00	0.0	9.864	0.005	0	0	0	4
PL.3439	PD.381	A	#4 ACSR	7.17Y	119.6	0.00	5.44	0.95	1	7	2	96	0.00	0.0	9.918	0.054	7	2	4	4
PL.3436	PL.3034	C	#2 ACSR	7.18Y	119.7	0.00	5.26	0.44	0	3	1	95	0.00	0.0	8.994	0.005	0	0	0	1
PD.380	PL.3436	C	40QA	7.18Y	119.7	0.00	5.26	0.44	1	3	1	95	0.00	0.0	8.994	0.005	0	0	0	1
PL.3437	PD.380	C	#2 ACSR	7.18Y	119.7	0.00	5.26	0.44	0	3	1	95	0.00	0.0	9.011	0.016	3	1	1	1
PL.3450	PL.2933	C	#4 ACSR	7.20Y	120.0	0.00	5.00	0.00	0	0	0	100	0.00	0.0	8.094	0.005	0	0	0	2
PD.387	PL.3450	C	40QA	7.20Y	120.0	0.00	5.00	0.00	0	0	0	100	0.00	0.0	8.094	0.005	0	0	0	2
PL.3451	PD.387	C	#4 ACSR	7.20Y	120.0	0.00	5.00	0.00	0	0	0	100	0.00	0.0	8.105	0.012	0	0	1	2
PL.3179	PL.3451	C	#4 ACSR	7.20Y	120.0	0.00	5.00	0.00	0	0	0	100	0.00	0.0	8.177	0.072	0	0	1	1
PL.2722	PL.2847	A	#1/0 ACSR	7.26Y	121.1	0.00	3.94	0.32	0	2	1	89	0.00	0.0	6.430	0.035	2	1	1	1
PL.3446	PL.3612	A	6 A (CWC)	7.28Y	121.3	0.00	3.70	0.47	0	3	1	95	0.00	0.0	6.118	0.005	0	0	0	3
PD.385	PL.3446	A	15T	7.28Y	121.3	0.00	3.70	0.47	0	3	1	95	0.00	0.0	6.118	0.005	0	0	0	3
PL.3447	PD.385	A	6 A (CWC)	7.28Y	121.3	0.00	3.70	0.47	0	3	1	95	0.00	0.0	6.210	0.092	1	0	1	3
PL.2709	PL.3447	A	#4 ACSR	7.28Y	121.3	0.00	3.70	0.34	0	2	1	89	0.00	0.0	6.250	0.040	2	1	2	2
PL.2710	PL.3447	A	6 A (CWC)	7.28Y	121.3	0.00	3.70	0.00	0	0	0	100	0.00	0.0	6.247	0.037	0	0	0	0
CP.6	PL.3611	ABC	Cap (300)	7.28Y	121.4	0.00	3.61	0.00	0	0	0	100	0.00	0.0	6.010	0.037	0	0	0	0
PL.3456	PL.3190	A	#4 ACSR	7.36Y	122.7	0.00	2.32	1.77	1	13	3	97	0.00	0.0	4.688	0.005	0	0	0	4
PD.390	PL.3456	A	10T	7.36Y	122.7	0.00	2.32	1.77	0	13	3	97	0.00	0.0	4.688	0.005	0	0	0	4
PL.3457	PD.390	A	#4 ACSR	7.36Y	122.7	0.00	2.32	1.77	1	13	3	97	0.00	0.0	4.738	0.050	13	3	4	4
PL.3468	PL.2686	A	6 A (CWC)	7.40Y	123.3	0.00	1.70	0.79	1	6	2	95	0.00	0.0	4.117	0.005	0	0	0	1
PD.397	PL.3468	A	40QA	7.40Y	123.3	0.00	1.70	0.79	2	6	2	95	0.00	0.0	4.117	0.005	0	0	0	1

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.3469	PD.397	A	6 A (CWC)	7.40Y	123.3	0.00	1.70	0.79	1	6	2	95	0.00	0.0	4.175	0.058	6	2	1	1
PL.2684	PL.2683	ABC	#1/0 ACSR	7.41Y	123.5	0.03	1.54	17.73	8	379	107	96	0.07	0.0	4.037	0.089	1	0	3	127
PL.3218	PL.2684	ABC	#1/0 ACSR	7.41Y	123.4	0.02	1.56	17.68	8	378	107	96	0.06	0.0	4.112	0.075	0	0	1	124
PL.3601	PL.3218	ABC	#1/0 ACSR	7.41Y	123.4	0.00	1.57	17.67	8	378	107	96	0.00	0.0	4.117	0.005	0	0	0	123
PD.435	PL.3601	ABC	70L	7.41Y	123.4	0.00	1.57	17.67	25	378	107	96	0.00	0.0	4.117	0.005	0	0	0	123
PL.3602	PD.435	ABC	#1/0 ACSR	7.40Y	123.4	0.03	1.59	17.67	8	378	107	96	0.07	0.0	4.201	0.084	3	1	1	123
PL.3219	PL.3602	ABC	#1/0 ACSR	7.40Y	123.4	0.03	1.62	17.52	8	375	106	96	0.07	0.0	4.290	0.088	1	0	1	122
PL.3220	PL.3219	ABC	#1/0 ACSR	7.40Y	123.4	0.03	1.65	17.45	8	373	105	96	0.06	0.0	4.371	0.082	17	5	4	121
PL.3221	PL.3220	ABC	#1/0 ACSR	7.40Y	123.3	0.02	1.67	16.65	7	356	100	96	0.05	0.0	4.435	0.064	8	2	4	117
PL.3225	PL.3221	ABC	#1/0 ACSR	7.40Y	123.3	0.01	1.67	16.29	7	348	98	96	0.02	0.0	4.468	0.032	5	1	1	113
PL.3226	PL.3225	ABC	#1/0 ACSR	7.40Y	123.3	0.01	1.69	16.04	7	343	97	96	0.03	0.0	4.517	0.049	0	0	1	112
PL.3227	PL.3226	ABC	#1/0 ACSR	7.40Y	123.3	0.02	1.71	16.04	7	343	97	96	0.06	0.0	4.603	0.086	0	0	0	111
PL.3223	PL.3227	ABC	#1/0 ACSR	7.40Y	123.3	0.03	1.74	16.04	7	343	96	96	0.06	0.0	4.690	0.088	5	2	1	111
PL.3224	PL.3223	ABC	#1/0 ACSR	7.39Y	123.2	0.03	1.76	15.78	7	337	95	96	0.06	0.0	4.779	0.089	3	1	1	110
PL.3222	PL.3224	ABC	#1/0 ACSR	7.39Y	123.2	0.02	1.79	15.64	7	334	94	96	0.05	0.0	4.861	0.082	3	1	2	109
PL.3474	PL.3222	ABC	#1/0 ACSR	7.39Y	123.2	0.00	1.79	15.32	7	327	92	96	0.00	0.0	4.865	0.005	0	0	0	105
PL.3475	PL.3474	ABC	#1/0 ACSR	7.39Y	123.2	0.02	1.81	15.32	7	327	92	96	0.06	0.0	4.955	0.090	2	0	1	105
PL.3237	PL.3475	ABC	#1/0 ACSR	7.39Y	123.2	0.03	1.84	15.25	7	325	92	96	0.07	0.0	5.065	0.110	2	1	1	104
PL.3238	PL.3237	ABC	#1/0 ACSR	7.39Y	123.1	0.03	1.87	15.15	7	323	91	96	0.07	0.0	5.176	0.111	7	2	2	103
PL.3236	PL.3238	ABC	#1/0 ACSR	7.39Y	123.1	0.02	1.89	14.81	6	316	89	96	0.03	0.0	5.236	0.060	10	3	2	101
PL.3234	PL.3236	ABC	#1/0 ACSR	7.39Y	123.1	0.02	1.91	14.34	6	306	86	96	0.04	0.0	5.317	0.081	2	1	1	99
PL.3235	PL.3234	ABC	#1/0 ACSR	7.38Y	123.1	0.02	1.93	14.23	6	304	85	96	0.04	0.0	5.397	0.080	5	1	1	98
PL.3233	PL.3235	ABC	#1/0 ACSR	7.38Y	123.1	0.02	1.95	14.01	6	299	84	96	0.04	0.0	5.471	0.074	2	1	1	97
PL.3480	PL.3233	A	#2 ACSR	7.38Y	123.1	0.00	1.95	0.52	0	4	1	97	0.00	0.0	5.476	0.005	0	0	0	1
PD.402	PL.3480	A	40QA	7.38Y	123.1	0.00	1.95	0.52	1	4	1	97	0.00	0.0	5.476	0.005	0	0	0	1
PL.3481	PD.402	A	#2 ACSR	7.38Y	123.1	0.00	1.95	0.52	0	4	1	97	0.00	0.0	5.492	0.016	4	1	1	1
PL.3117	PL.3233	ABC	#1/0 ACSR	7.38Y	123.0	0.04	1.99	13.74	6	293	82	96	0.07	0.0	5.618	0.147	0	0	0	95
PL.2829	PL.3117	ABC	#1/0 ACSR	7.38Y	123.0	0.03	2.01	13.64	6	291	82	96	0.05	0.0	5.722	0.104	0	0	0	94
PL.3058	PL.2829	ABC	#1/0 ACSR	7.38Y	123.0	0.02	2.03	13.64	6	291	82	96	0.04	0.0	5.793	0.071	0	0	0	94
PL.2888	PL.3058	ABC	#1/0 ACSR	7.38Y	122.9	0.02	2.05	13.64	6	291	82	96	0.04	0.0	5.881	0.089	0	0	0	94
PL.3229	PL.2888	ABC	#1/0 ACSR	7.37Y	122.9	0.03	2.08	13.64	6	291	81	96	0.07	0.0	6.016	0.135	5	1	1	94

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.3230	PL.3229	ABC	#1/0 ACSR	7.37Y	122.9	0.02	2.11	13.39	6	285	80	96	0.04	0.0	6.105	0.089	0	0	0	93
PL.3346	PL.3230	ABC	#1/0 ACSR	7.37Y	122.9	0.02	2.12	13.18	6	281	79	96	0.03	0.0	6.172	0.067	4	1	1	91
PL.3347	PL.3346	ABC	#1/0 ACSR	7.37Y	122.9	0.02	2.14	13.01	6	277	78	96	0.04	0.0	6.269	0.097	4	1	3	90
PL.3597	PL.3347	A	#4 ACSR	7.37Y	122.9	0.00	2.14	6.12	5	43	12	96	0.00	0.0	6.272	0.003	0	0	0	15
PD.433	PL.3597	A	35H	7.37Y	122.9	0.00	2.14	6.12	17	43	12	96	0.00	0.0	6.272	0.003	0	0	0	15
PL.3598	PD.433	A	#4 ACSR	7.37Y	122.8	0.02	2.16	6.12	5	43	12	96	0.01	0.0	6.338	0.066	3	1	1	15
PL.3345	PL.3598	A	#4 ACSR	7.37Y	122.8	0.02	2.18	5.65	4	40	11	96	0.01	0.0	6.416	0.078	0	0	0	14
PL.2764	PL.3345	A	6 A (CWC)	7.37Y	122.8	0.00	2.18	0.00	0	0	0	100	0.00	0.0	6.541	0.125	0	0	0	0
PL.3343	PL.3345	A	#4 ACSR	7.37Y	122.8	0.01	2.20	5.65	4	40	11	96	0.00	0.0	6.471	0.055	0	0	0	14
PL.3344	PL.3343	A	#4 ACSR	7.37Y	122.8	0.04	2.24	5.65	4	40	11	96	0.01	0.0	6.634	0.163	0	0	0	14
PL.2759	PL.3344	A	#4 ACSR	7.36Y	122.7	0.03	2.27	5.65	4	40	11	96	0.01	0.0	6.753	0.120	0	0	0	14
PL.3065	PL.2759	A	#4 ACSR	7.36Y	122.7	0.02	2.28	5.65	4	40	11	96	0.01	0.0	6.824	0.070	0	0	0	14
PL.2889	PL.3065	A	#4 ACSR	7.36Y	122.7	0.04	2.33	5.65	4	40	11	96	0.01	0.0	6.991	0.167	0	0	0	14
PL.2890	PL.2889	A	#4 ACSR	7.36Y	122.6	0.03	2.36	5.65	4	40	11	96	0.01	0.0	7.125	0.135	0	0	0	14
PL.2891	PL.2890	A	#4 ACSR	7.36Y	122.6	0.03	2.39	5.65	4	40	11	96	0.01	0.0	7.225	0.100	0	0	0	14
PL.3348	PL.2891	A	#4 ACSR	7.36Y	122.6	0.01	2.39	5.65	4	40	11	96	0.00	0.0	7.256	0.031	6	2	2	14
PL.3349	PL.3348	A	#4 ACSR	7.35Y	122.6	0.03	2.42	4.75	4	34	9	97	0.01	0.0	7.393	0.137	0	0	0	12
PL.2892	PL.3349	A	#4 ACSR	7.35Y	122.5	0.03	2.45	4.75	4	34	9	97	0.01	0.0	7.535	0.142	0	0	0	12
PL.3123	PL.2892	A	#4 ACSR	7.35Y	122.5	0.03	2.48	4.75	4	34	9	97	0.01	0.0	7.660	0.125	0	0	0	12
PL.3124	PL.3123	A	#4 ACSR	7.35Y	122.5	0.03	2.51	4.75	4	34	9	97	0.01	0.0	7.845	0.185	11	3	3	12
PL.3125	PL.3124	A	#4 ACSR	7.35Y	122.5	0.01	2.52	2.86	2	20	6	96	0.00	0.0	7.952	0.107	4	1	1	8
PL.2767	PL.3125	A	#4 ACSR	7.35Y	122.5	0.00	2.53	0.76	1	5	1	98	0.00	0.0	8.079	0.128	0	0	0	4
PL.2830	PL.2767	A	#4 ACSR	7.35Y	122.5	0.00	2.53	0.30	0	2	1	89	0.00	0.0	8.139	0.060	0	0	0	3
PL.2831	PL.2830	A	#4 ACSR	7.35Y	122.5	0.00	2.53	0.00	0	0	0	100	0.00	0.0	8.174	0.035	0	0	0	0
PL.2769	PL.2830	A	#4 ACSR	7.35Y	122.5	0.00	2.53	0.30	0	2	1	89	0.00	0.0	8.226	0.086	0	0	0	3
PL.3350	PL.2769	A	#4 ACSR	7.35Y	122.5	0.00	2.53	0.30	0	2	1	89	0.00	0.0	8.320	0.095	1	0	1	3
PL.3351	PL.3350	A	#4 ACSR	7.35Y	122.5	0.00	2.53	0.14	0	1	0	100	0.00	0.0	8.481	0.161	0	0	0	2
PL.2893	PL.3351	A	#4 ACSR	7.35Y	122.5	0.00	2.53	0.14	0	1	0	100	0.00	0.0	8.586	0.105	0	0	0	2
PL.3066	PL.2893	A	#4 ACSR	7.35Y	122.5	0.00	2.53	0.14	0	1	0	100	0.00	0.0	8.656	0.070	0	0	0	2
PL.2894	PL.3066	A	#4 ACSR	7.35Y	122.5	0.00	2.53	0.14	0	1	0	100	0.00	0.0	8.729	0.073	1	0	2	2
PL.2768	PL.2767	A	#4 ACSR	7.35Y	122.5	0.00	2.53	0.46	0	3	1	95	0.00	0.0	8.124	0.045	3	1	1	1

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.3126	PL.3125	A	#4 ACSR	7.35Y	122.5	0.00	2.53	0.92	1	7	2	96	0.00	0.0	8.045	0.093	7	2	2	2
PL.4492	PL.3125	A	#1/0 ACSR	7.35Y	122.5	0.00	2.53	0.65	0	5	1	98	0.00	0.0	8.181	0.229	0	0	0	1
PL.4494	PL.4492	A	#1/0 ACSR	7.35Y	122.5	0.00	2.53	0.65	0	5	1	98	0.00	0.0	8.350	0.169	5	1	1	1
PL.4493	PL.4492	A	#1/0 ACSR	7.35Y	122.5	0.00	2.53	0.00	0	0	0	100	0.00	0.0	8.245	0.063	0	0	0	0
PL.2766	PL.3124	A	#4 ACSR	7.35Y	122.5	0.00	2.51	0.36	0	3	1	95	0.00	0.0	7.949	0.104	3	1	1	1
PL.3118	PL.3347	ABC	#1/0 ACSR	7.37Y	122.8	0.01	2.15	10.64	5	226	63	96	0.01	0.0	6.307	0.038	0	0	0	71
PL.3114	PL.3118	ABC	#1/0 ACSR	7.37Y	122.8	0.00	2.15	2.11	1	45	13	96	0.00	0.0	6.383	0.076	9	3	2	10
PL.3115	PL.3114	ABC	#1/0 ACSR	7.37Y	122.8	0.00	2.15	1.51	1	32	9	96	0.00	0.0	6.425	0.042	0	0	0	7
PL.2834	PL.3115	ABC	#1/0 ACSR	7.37Y	122.8	0.00	2.16	0.83	0	18	5	96	0.00	0.0	6.536	0.111	0	0	0	3
PL.2835	PL.2834	ABC	#1/0 ACSR	7.37Y	122.8	0.00	2.16	0.38	0	8	2	97	0.00	0.0	6.579	0.043	0	0	0	1
PL.3106	PL.2835	ABC	#1/0 ACSR	7.37Y	122.8	0.00	2.16	0.38	0	8	2	97	0.00	0.0	6.594	0.015	0	0	0	1
PL.3107	PL.3106	ABC	#1/0 ACSR	7.37Y	122.8	0.00	2.16	0.00	0	0	0	100	0.00	0.0	6.746	0.151	0	0	0	0
PL.2967	PL.3107	ABC	#1/0 ACSR	7.37Y	122.8	0.00	2.16	0.00	0	0	0	100	0.00	0.0	6.870	0.125	0	0	0	0
PL.3607	PL.2967	ABC	#1/0 ACSR	7.37Y	122.8	0.00	2.16	0.00	0	0	0	100	0.00	0.0	6.952	0.082	0	0	0	0
PD.438-A	PL.3607	ABC	Open	7.37Y	122.8	0.00	2.16	0.00	0	0	0	100	0.00	0.0	6.952	0.082	0	0	0	0
PL.3578	PL.3106	C	#2 ACSR	7.37Y	122.8	0.00	2.16	1.13	1	8	2	97	0.00	0.0	6.599	0.005	0	0	0	1
PD.424	PL.3578	C	40QA	7.37Y	122.8	0.00	2.16	1.13	3	8	2	97	0.00	0.0	6.599	0.005	0	0	0	1
PL.3579	PD.424	C	#2 ACSR	7.37Y	122.8	0.00	2.16	1.13	1	8	2	97	0.00	0.0	6.645	0.046	8	2	1	1
PL.2940	PL.2834	A	6 A (CWC)	7.37Y	122.8	0.00	2.16	1.37	1	10	3	96	0.00	0.0	6.541	0.005	0	0	0	2
PD.410	PL.2940	A	15T	7.37Y	122.8	0.00	2.16	1.37	0	10	3	96	0.00	0.0	6.541	0.005	0	0	0	2
PL.2941	PD.410	A	6 A (CWC)	7.37Y	122.8	0.01	2.16	1.37	1	10	3	96	0.00	0.0	6.659	0.118	5	1	1	2
PL.3352	PL.2941	A	6 A (CWC)	7.37Y	122.8	0.00	2.16	0.68	0	5	1	98	0.00	0.0	6.746	0.087	5	1	1	1
PL.2762	PL.3115	C	#4 ACSR	7.37Y	122.8	0.00	2.16	2.03	2	14	4	96	0.00	0.0	6.430	0.005	0	0	0	4
PD.409	PL.2762	C	40QA	7.37Y	122.8	0.00	2.16	2.03	5	14	4	96	0.00	0.0	6.430	0.005	0	0	0	4
PL.3110	PD.409	C	#4 ACSR	7.37Y	122.8	0.00	2.16	0.72	1	5	1	98	0.00	0.0	6.445	0.015	0	0	0	1
PL.2763	PL.3110	C	#4 ACSR	7.37Y	122.8	0.00	2.16	0.72	1	5	1	98	0.00	0.0	6.492	0.047	5	1	1	1
PL.3353	PD.409	C	#4 ACSR	7.37Y	122.8	0.00	2.16	1.31	1	9	3	95	0.00	0.0	6.510	0.080	5	1	1	3
PL.3354	PL.3353	C	#4 ACSR	7.37Y	122.8	0.00	2.16	0.59	0	4	1	97	0.00	0.0	6.523	0.013	4	1	2	2
PL.2761	PL.3114	A	#2 ACSR	7.37Y	122.8	0.00	2.15	0.48	0	3	1	95	0.00	0.0	6.441	0.057	3	1	1	1
PL.2942	PL.3118	A	6 A (CWC)	7.37Y	122.8	0.01	2.16	25.57	18	181	51	96	0.01	0.0	6.312	0.005	0	0	0	61
PD.411	PL.2942	A	30T	7.37Y	122.8	0.00	2.16	25.57	0	181	51	96	0.00	0.0	6.312	0.005	0	0	0	61

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.2943	PD.411	A	6 A (CWC)	7.37Y	122.8	0.05	2.21	25.57	18	181	51	96	0.07	0.0	6.353	0.042	2	0	4	61
PL.2760	PL.2943	A	#4 ACSR	7.37Y	122.8	0.00	2.21	0.00	0	0	0	100	0.00	0.0	6.409	0.056	0	0	1	1
PL.3116	PL.2943	A	6 A (CWC)	7.36Y	122.7	0.06	2.26	25.33	18	180	50	96	0.08	0.0	6.405	0.052	6	2	3	56
PL.2794	PL.3116	A	6 A (CWC)	7.36Y	122.7	0.07	2.34	24.51	18	174	49	96	0.10	0.1	6.472	0.066	0	0	0	53
PL.2795	PL.2794	A	6 A (CWC)	7.36Y	122.7	0.00	2.34	2.17	2	15	4	97	0.00	0.0	6.515	0.043	6	2	1	4
PL.2796	PL.2795	A	#4 ACSR	7.36Y	122.7	0.00	2.34	1.33	1	9	3	95	0.00	0.0	6.531	0.016	9	3	3	3
PL.3108	PL.2794	A	6 A (CWC)	7.36Y	122.6	0.07	2.40	22.34	16	158	44	96	0.08	0.0	6.536	0.064	0	0	1	49
PL.3109	PL.3108	A	6 A (CWC)	7.35Y	122.5	0.09	2.49	21.06	15	149	42	96	0.10	0.1	6.628	0.092	3	1	1	46
PL.3105	PL.3109	A	#4 ACSR	7.35Y	122.5	0.00	2.49	1.91	1	13	4	96	0.00	0.0	6.657	0.029	2	1	1	4
PL.2799	PL.3105	A	#4 ACSR	7.35Y	122.5	0.00	2.49	0.35	0	2	1	89	0.00	0.0	6.693	0.037	2	1	1	1
PL.3355	PL.3105	A	#4 ACSR	7.35Y	122.5	0.00	2.50	1.24	1	9	2	98	0.00	0.0	6.695	0.039	9	2	2	2
PL.3356	PL.3355	A	#4 ACSR	7.35Y	122.5	0.00	2.50	0.00	0	0	0	100	0.00	0.0	6.759	0.063	0	0	0	0
PL.3241	PL.3109	A	6 A (CWC)	7.35Y	122.4	0.08	2.57	18.75	13	133	37	96	0.08	0.1	6.718	0.091	2	1	1	41
PL.3242	PL.3241	A	6 A (CWC)	7.34Y	122.4	0.04	2.61	18.40	13	130	36	96	0.04	0.0	6.766	0.048	5	1	1	40
PL.2800	PL.3242	A	6 A (CWC)	7.34Y	122.4	0.00	2.61	2.21	2	16	4	97	0.00	0.0	6.820	0.054	16	4	5	5
PL.3104	PL.3242	A	6 A (CWC)	7.34Y	122.3	0.06	2.67	15.50	11	110	31	96	0.04	0.0	6.861	0.095	31	9	3	34
PL.3102	PL.3104	A	#4 ACSR	7.34Y	122.3	0.02	2.69	11.11	9	79	22	96	0.01	0.0	6.910	0.049	3	1	1	31
PL.3100	PL.3102	A	#4 ACSR	7.34Y	122.3	0.04	2.73	10.63	8	75	21	96	0.02	0.0	6.994	0.083	4	1	1	29
PL.3101	PL.3100	A	#4 ACSR	7.34Y	122.3	0.02	2.75	9.41	7	66	19	96	0.01	0.0	7.035	0.041	0	0	0	24
PL.2802	PL.3101	A	#4 ACSR	7.33Y	122.2	0.05	2.79	9.19	7	65	18	96	0.02	0.0	7.148	0.113	0	0	0	23
PL.10180	PL.2802	A	#4 ACSR	7.33Y	122.2	0.03	2.83	9.19	7	65	18	96	0.02	0.0	7.235	0.087	6	2	1	23
PL.10181	PL.10180	A	#4 ACSR	7.33Y	122.2	0.01	2.84	8.32	6	59	16	97	0.00	0.0	7.263	0.028	2	1	1	22
PL.2806	PL.10181	A	#4 ACSR	7.33Y	122.2	0.01	2.85	7.99	6	56	16	96	0.01	0.0	7.298	0.035	0	0	0	21
PL.3098	PL.2806	A	6 A (CWC)	7.33Y	122.1	0.01	2.86	3.44	2	24	7	96	0.00	0.0	7.407	0.109	8	2	4	7
PL.3099	PL.3098	A	6 A (CWC)	7.33Y	122.1	0.00	2.87	1.09	1	8	2	97	0.00	0.0	7.504	0.097	8	2	1	1
PL.2966	PL.3099	A	6 A (CWC)	7.33Y	122.1	0.00	2.87	0.00	0	0	0	100	0.00	0.0	7.635	0.131	0	0	0	0
PL.3392	PL.2966	A	6 A (CWC)	7.33Y	122.1	0.00	2.87	0.00	0	0	0	100	0.00	0.0	7.682	0.047	0	0	0	0
PD.359-A	PL.3392	A	Open	7.33Y	122.1	0.00	2.87	0.00	0	0	0	100	0.00	0.0	7.682	0.047	0	0	0	0
PL.2809	PL.3098	A	#2 ACSR	7.33Y	122.1	0.00	2.86	0.00	0	0	0	100	0.00	0.0	7.465	0.058	0	0	1	1
PL.2808	PL.3098	A	#4 ACSR	7.33Y	122.1	0.00	2.87	1.22	1	9	2	98	0.00	0.0	7.460	0.053	9	2	1	1
PL.2807	PL.2806	A	6 A (CWC)	7.33Y	122.1	0.01	2.86	4.56	3	32	9	96	0.00	0.0	7.347	0.049	0	0	0	14

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.2961	PL.2807	A	6 A (CWC)	7.33Y	122.1	0.02	2.88	4.56	3	32	9	96	0.00	0.0	7.438	0.091	0	0	0	14
PL.2962	PL.2961	A	6 A (CWC)	7.33Y	122.1	0.02	2.89	4.56	3	32	9	96	0.00	0.0	7.511	0.074	0	0	0	14
PL.2963	PL.2962	A	6 A (CWC)	7.32Y	122.1	0.02	2.92	4.56	3	32	9	96	0.01	0.0	7.629	0.117	0	0	0	14
PL.3096	PL.2963	A	6 A (CWC)	7.32Y	122.1	0.01	2.93	3.59	3	25	7	96	0.00	0.0	7.689	0.060	9	3	5	11
PL.2811	PL.3096	A	#4 ACSR	7.32Y	122.1	0.00	2.93	0.97	1	7	2	96	0.00	0.0	7.759	0.070	7	2	1	1
PL.3097	PL.3096	A	6 A (CWC)	7.32Y	122.1	0.00	2.93	1.30	1	9	3	95	0.00	0.0	7.807	0.118	6	2	3	5
PL.3239	PL.3097	A	6 A (CWC)	7.32Y	122.1	0.00	2.93	0.38	0	3	1	95	0.00	0.0	7.945	0.138	2	1	1	2
PL.3240	PL.3239	A	6 A (CWC)	7.32Y	122.1	0.00	2.93	0.06	0	0	0	100	0.00	0.0	8.081	0.136	0	0	0	1
PL.2813	PL.3240	A	#1/0 ACSR	7.32Y	122.1	0.00	2.93	0.06	0	0	0	100	0.00	0.0	8.173	0.092	0	0	1	1
PL.10199	PL.3240	A	6 A (CWC)	7.32Y	122.1	0.00	2.93	0.00	0	0	0	100	0.00	0.0	8.129	0.048	0	0	0	0
PL.3275	PL.10199	A	6 A (CWC)	7.32Y	122.1	0.00	2.93	0.00	0	0	0	100	0.00	0.0	8.230	0.101	0	0	0	0
PL.3276	PL.3275	A	6 A (CWC)	7.32Y	122.1	0.00	2.93	0.00	0	0	0	100	0.00	0.0	8.362	0.132	0	0	0	0
PL.2964	PL.3276	A	6 A (CWC)	7.32Y	122.1	0.00	2.93	0.00	0	0	0	100	0.00	0.0	8.499	0.137	0	0	0	0
PL.2965	PL.2964	A	6 A (CWC)	7.32Y	122.1	0.00	2.93	0.00	0	0	0	100	0.00	0.0	8.553	0.055	0	0	0	0
PL.4477	PL.2965	A	6 A (CWC)	7.32Y	122.1	0.00	2.93	0.00	0	0	0	100	0.00	0.0	8.650	0.096	0	0	0	0
PL.2810	PL.2963	A	#4 ACSR	7.32Y	122.1	0.00	2.92	0.97	1	7	2	96	0.00	0.0	7.681	0.052	7	2	3	3
PL.2833	PL.3101	A	#4 ACSR	7.34Y	122.3	0.00	2.75	0.22	0	2	0	100	0.00	0.0	7.062	0.027	0	0	0	1
PL.2803	PL.2833	A	#4 ACSR	7.34Y	122.3	0.00	2.75	0.22	0	2	0	100	0.00	0.0	7.099	0.037	2	0	1	1
PL.2801	PL.3100	A	#4 ACSR	7.34Y	122.3	0.00	2.73	0.71	1	5	1	98	0.00	0.0	7.148	0.154	0	0	0	4
PL.2804	PL.2801	A	#1/0 ACSR	7.34Y	122.3	0.00	2.73	0.00	0	0	0	100	0.00	0.0	7.246	0.098	0	0	1	1
PL.2832	PL.2801	A	#4 ACSR	7.34Y	122.3	0.00	2.74	0.71	1	5	1	98	0.00	0.0	7.202	0.054	0	0	0	3
PL.2805	PL.2832	A	#4 ACSR	7.34Y	122.3	0.00	2.74	0.00	0	0	0	100	0.00	0.0	7.221	0.019	0	0	0	0
PL.3244	PL.2832	A	#4 ACSR	7.34Y	122.3	0.00	2.74	0.71	1	5	1	98	0.00	0.0	7.316	0.114	1	0	1	3
PL.3245	PL.3244	A	#4 ACSR	7.34Y	122.3	0.00	2.74	0.57	0	4	1	97	0.00	0.0	7.344	0.028	4	1	1	2
PL.3243	PL.3245	A	#4 ACSR	7.34Y	122.3	0.00	2.74	0.00	0	0	0	100	0.00	0.0	7.394	0.050	0	0	1	1
PL.3246	PL.3243	A	#4 ACSR	7.34Y	122.3	0.00	2.74	0.00	0	0	0	100	0.00	0.0	7.452	0.058	0	0	0	0
PL.3247	PL.3246	A	#4 ACSR	7.34Y	122.3	0.00	2.74	0.00	0	0	0	100	0.00	0.0	7.572	0.120	0	0	0	0
PL.2895	PL.3247	A	#4 ACSR	7.34Y	122.3	0.00	2.74	0.00	0	0	0	100	0.00	0.0	7.645	0.074	0	0	0	0
PL.3103	PL.3102	A	#4 ACSR	7.34Y	122.3	0.00	2.69	0.03	0	0	0	100	0.00	0.0	6.948	0.038	0	0	1	1
PL.2797	PL.3108	A	#4 ACSR	7.36Y	122.6	0.00	2.40	1.27	1	9	3	95	0.00	0.0	6.551	0.016	9	3	2	2
PL.2798	PL.2797	A	#2 ACSR	7.36Y	122.6	0.00	2.40	0.00	0	0	0	100	0.00	0.0	6.589	0.037	0	0	0	0

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.3576	PL.3347	C	#4 ACSR	7.37Y	122.9	0.00	2.14	0.50	0	4	1	97	0.00	0.0	6.274	0.005	0	0	0	1
PD.423	PL.3576	C	40QA	7.37Y	122.9	0.00	2.14	0.50	1	4	1	97	0.00	0.0	6.274	0.005	0	0	0	1
PL.3577	PD.423	C	#4 ACSR	7.37Y	122.9	0.00	2.14	0.50	0	4	1	97	0.00	0.0	6.302	0.028	4	1	1	1
PL.3476	PL.3230	C	#4 ACSR	7.37Y	122.9	0.00	2.11	0.64	0	5	1	98	0.00	0.0	6.110	0.005	0	0	0	2
PD.400	PL.3476	C	40QA	7.37Y	122.9	0.00	2.11	0.64	2	5	1	98	0.00	0.0	6.110	0.005	0	0	0	2
PL.3477	PD.400	C	#4 ACSR	7.37Y	122.9	0.00	2.11	0.64	0	5	1	98	0.00	0.0	6.123	0.014	0	0	1	2
PL.3228	PL.3477	C	#4 ACSR	7.37Y	122.9	0.00	2.11	0.61	0	4	1	97	0.00	0.0	6.168	0.045	4	1	1	1
PL.3478	PL.3117	C	#1/0 ACSR	7.38Y	123.0	0.00	1.99	0.32	0	2	1	89	0.00	0.0	5.623	0.005	0	0	0	1
PD.401	PL.3478	C	40QA	7.38Y	123.0	0.00	1.99	0.32	1	2	1	89	0.00	0.0	5.623	0.005	0	0	0	1
PL.3479	PD.401	C	#1/0 ACSR	7.38Y	123.0	0.00	1.99	0.32	0	2	1	89	0.00	0.0	5.704	0.081	0	0	0	1
PL.3057	PL.3479	C	#1/0 ACSR	7.38Y	123.0	0.00	1.99	0.32	0	2	1	89	0.00	0.0	5.798	0.094	0	0	0	1
PL.2886	PL.3057	C	#1/0 ACSR	7.38Y	123.0	0.00	1.99	0.32	0	2	1	89	0.00	0.0	5.942	0.144	0	0	0	1
PL.2887	PL.2886	C	#1/0 ACSR	7.38Y	123.0	0.00	1.99	0.32	0	2	1	89	0.00	0.0	6.015	0.073	0	0	0	1
PL.25703	PL.2887	C	6 A (CWC)	7.38Y	123.0	0.00	1.99	0.32	0	2	1	89	0.00	0.0	6.084	0.069	0	0	0	1
PD.3629	PL.25703	C	25T	7.38Y	123.0	0.00	1.99	0.32	0	2	1	89	0.00	0.0	6.084	0.069	0	0	0	1
PL.25704	PD.3629	C	6 A (CWC)	7.38Y	123.0	0.00	1.99	0.32	0	2	1	89	0.00	0.0	6.176	0.092	2	1	1	1
PL.3232	PL.25704	C	6 A (CWC)	7.38Y	123.0	0.00	1.99	0.00	0	0	0	100	0.00	0.0	6.202	0.026	0	0	0	0
PL.3472	PL.3222	C	#1/0 ACSR	7.39Y	123.2	0.00	1.79	0.48	0	3	1	95	0.00	0.0	4.865	0.005	0	0	0	2
PD.399	PL.3472	C	40QA	7.39Y	123.2	0.00	1.79	0.48	1	3	1	95	0.00	0.0	4.865	0.005	0	0	0	2
PL.3473	PD.399	C	#1/0 ACSR	7.39Y	123.2	0.00	1.79	0.48	0	3	1	95	0.00	0.0	4.915	0.049	3	1	2	2
PL.4862	PL.3614	C	#4 ACSR	7.42Y	123.7	0.00	1.33	1.43	1	10	3	96	0.00	0.0	3.832	0.003	0	0	0	4
PD.893	PL.4862	C	50QA	7.42Y	123.7	0.00	1.33	1.43	3	10	3	96	0.00	0.0	3.832	0.003	0	0	0	4
PL.4863	PD.893	C	#4 ACSR	7.42Y	123.7	0.00	1.33	1.43	1	10	3	96	0.00	0.0	3.933	0.101	10	3	4	4
PL.2828	PL.3614	B	#4 ACSR	7.42Y	123.7	0.00	1.32	0.25	0	2	1	89	0.00	0.0	3.861	0.033	2	1	1	1
CP.7	PL.3613	ABC	Cap (297)	7.43Y	123.8	0.00	1.24	0.00	0	0	0	100	0.00	0.0	3.778	0.033	0	0	0	0
PL.3414	PL.2670	A	#4 ACSR	7.36Y	122.7	0.00	2.31	0.00	0	0	0	100	0.00	0.0	2.998	0.005	0	0	0	0
PD.370	PL.3414	A	40QA	7.36Y	122.7	0.00	2.31	0.00	0	0	0	100	0.00	0.0	2.998	0.005	0	0	0	0
PL.3415	PD.370	A	#4 ACSR	7.36Y	122.7	0.00	2.31	0.00	0	0	0	100	0.00	0.0	3.073	0.074	0	0	0	0
PL.3400	PL.3050	C	#4 ACSR	7.41Y	123.6	0.00	1.43	0.73	1	5	1	98	0.00	0.0	1.864	0.005	0	0	0	1
PD.364	PL.3400	C	40QA	7.41Y	123.6	0.00	1.43	0.73	2	5	1	98	0.00	0.0	1.864	0.005	0	0	0	1
PL.3401	PD.364	C	#4 ACSR	7.41Y	123.6	0.00	1.44	0.73	1	5	1	98	0.00	0.0	1.897	0.033	5	1	1	1

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.3566	PL.2595	C	#4 ACSR	7.42Y	123.7	0.00	1.26	0.00	0	0	0	100	0.00	0.0	1.587	0.005	0	0	0	0
PD.418	PL.3566	C	40QA	7.42Y	123.7	0.00	1.26	0.00	0	0	0	100	0.00	0.0	1.587	0.005	0	0	0	0
PL.3567	PD.418	C	#4 ACSR	7.42Y	123.7	0.00	1.26	0.00	0	0	0	100	0.00	0.0	1.683	0.096	0	0	0	0
PL.3406	PL.2595	C	#4 ACSR	7.42Y	123.7	0.00	1.26	0.87	1	6	2	95	0.00	0.0	1.587	0.005	0	0	0	1
PD.367	PL.3406	C	40QA	7.42Y	123.7	0.00	1.26	0.87	2	6	2	95	0.00	0.0	1.587	0.005	0	0	0	1
PL.3407	PD.367	C	#4 ACSR	7.42Y	123.7	0.00	1.26	0.87	1	6	2	95	0.00	0.0	1.660	0.073	6	2	1	1
PL.3398	PL.3091	A	#2 ACSR	7.44Y	123.9	0.00	1.06	7.39	4	53	15	96	0.00	0.0	1.301	0.005	0	0	0	10
PD.363	PL.3398	A	20T	7.44Y	123.9	0.00	1.06	7.39	0	53	15	96	0.00	0.0	1.301	0.005	0	0	0	10
PL.3399	PD.363	A	#2 ACSR	7.44Y	123.9	0.00	1.07	7.39	4	53	15	96	0.00	0.0	1.320	0.019	14	4	3	10
PL.2584	PL.3399	A	#2 ACSR	7.44Y	123.9	0.01	1.07	5.41	3	39	11	96	0.00	0.0	1.383	0.064	17	5	2	7
PL.2586	PL.2584	A	#2 ACSR	7.44Y	123.9	0.00	1.08	3.07	2	22	6	96	0.00	0.0	1.430	0.047	0	0	0	5
PL.2587	PL.2586	A	#2 ACSR	7.44Y	123.9	0.00	1.08	2.31	1	17	5	96	0.00	0.0	1.462	0.032	17	5	4	4
PL.2588	PL.2586	A	#4 ACSR	7.44Y	123.9	0.00	1.08	0.76	1	5	2	93	0.00	0.0	1.526	0.096	0	0	0	1
PL.2590	PL.2588	A	#4 ACSR	7.43Y	123.9	0.00	1.08	0.76	1	5	2	93	0.00	0.0	1.551	0.024	0	0	0	1
PL.2591	PL.2590	A	#4 ACSR	7.43Y	123.9	0.00	1.08	0.76	1	5	2	93	0.00	0.0	1.592	0.041	5	2	1	1
PL.2593	PL.2591	A	#2 ACSR	7.43Y	123.9	0.00	1.08	0.00	0	0	0	100	0.00	0.0	1.744	0.152	0	0	0	0
PL.2582	PL.2865	ABC	336 MCM AC	7.45Y	124.1	0.00	0.91	15.89	3	342	96	96	0.01	0.0	1.114	0.031	11	3	1	89
PL.2691	PL.2582	ABC	#4/0 ACSR	7.44Y	124.1	0.01	0.93	15.39	5	331	93	96	0.02	0.0	1.180	0.066	0	0	0	88
PL.3603	PL.2691	ABC	336 MCM AC	7.44Y	124.1	0.01	0.93	15.39	3	331	93	96	0.01	0.0	1.226	0.046	0	0	0	88
PD.436	PL.3603	ABC	70L	7.44Y	124.1	0.00	0.93	15.39	22	331	93	96	0.00	0.0	1.226	0.046	0	0	0	88
PL.3604	PD.436	ABC	336 MCM AC	7.44Y	124.1	0.01	0.94	15.39	3	331	93	96	0.01	0.0	1.285	0.059	0	0	0	88
PL.3202	PL.3604	ABC	336 MCM AC	7.44Y	124.0	0.01	0.95	14.83	3	319	90	96	0.02	0.0	1.401	0.117	10	3	3	85
PL.3203	PL.3202	ABC	336 MCM AC	7.44Y	124.0	0.00	0.95	14.36	3	309	87	96	0.01	0.0	1.443	0.042	2	1	2	82
PL.3201	PL.3203	ABC	336 MCM AC	7.44Y	124.0	0.01	0.97	14.28	3	307	86	96	0.02	0.0	1.571	0.128	0	0	0	80
PL.3086	PL.3201	ABC	336 MCM AC	7.44Y	124.0	0.01	0.98	14.28	3	307	86	96	0.01	0.0	1.656	0.085	4	1	1	80
PL.3088	PL.3086	ABC	336 MCM AC	7.44Y	124.0	0.01	0.99	14.00	3	301	84	96	0.02	0.0	1.759	0.103	0	0	0	78
PL.2692	PL.3088	B	#2 ACSR	7.44Y	124.0	0.01	0.99	1.57	1	11	3	96	0.00	0.0	1.861	0.102	0	0	0	2
PL.2693	PL.2692	B	#1/0 ACSR	7.44Y	124.0	0.00	0.99	1.57	1	11	3	96	0.00	0.0	1.865	0.005	0	0	0	2
PD.394	PL.2693	B	40QA	7.44Y	124.0	0.00	0.99	1.57	4	11	3	96	0.00	0.0	1.865	0.005	0	0	0	2
PL.3089	PD.394	B	#2 ACSR	7.44Y	124.0	0.00	0.99	1.01	1	7	2	96	0.00	0.0	1.871	0.006	0	0	0	1
PL.2700	PL.3089	B	#2 ACSR	7.44Y	124.0	0.00	0.99	1.01	1	7	2	96	0.00	0.0	1.892	0.021	7	2	1	1

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.2818	PD.394	B	#1/0 ACSR	7.44Y	124.0	0.00	0.99	0.57	0	4	1	97	0.00	0.0	1.945	0.080	4	1	1	1
PL.2817	PL.3088	ABC	336 MCM AC	7.44Y	124.0	0.01	0.99	13.47	3	289	81	96	0.01	0.0	1.824	0.065	0	0	0	76
PL.3460	PL.2817	A	#4 ACSR	7.44Y	124.0	0.00	0.99	0.00	0	0	0	100	0.00	0.0	1.828	0.004	0	0	0	0
PD.392	PL.3460	A	40QA	7.44Y	124.0	0.00	0.99	0.00	0	0	0	100	0.00	0.0	1.828	0.004	0	0	0	0
PL.3461	PD.392	A	#4 ACSR	7.44Y	124.0	0.00	0.99	0.00	0	0	0	100	0.00	0.0	1.842	0.014	0	0	0	0
PL.2819	PL.2817	ABC	336 MCM AC	7.44Y	124.0	0.01	1.01	13.47	3	289	81	96	0.02	0.0	1.932	0.109	0	0	0	76
PL.2820	PL.2819	ABC	336 MCM AC	7.44Y	124.0	0.01	1.02	13.44	3	289	81	96	0.02	0.0	2.056	0.124	0	0	0	75
PL.2867	PL.2820	ABC	336 MCM AC	7.44Y	124.0	0.01	1.03	13.44	3	289	81	96	0.02	0.0	2.158	0.102	0	0	0	75
PL.2868	PL.2867	ABC	336 MCM AC	7.44Y	124.0	0.01	1.04	13.44	3	289	81	96	0.02	0.0	2.288	0.130	0	0	0	75
PL.3595	PL.2868	A	#4 ACSR	7.44Y	124.0	0.00	1.04	25.71	20	184	52	96	0.00	0.0	2.291	0.003	0	0	0	55
PD.432	PL.3595	A	50H	7.44Y	124.0	0.00	1.04	25.71	51	184	52	96	0.00	0.0	2.291	0.003	0	0	0	55
PL.3596	PD.432	A	#4 ACSR	7.43Y	123.9	0.04	1.08	25.71	20	184	52	96	0.06	0.0	2.327	0.036	9	2	2	55
PL.2694	PL.3596	A	#2 ACSR	7.43Y	123.9	0.04	1.12	24.51	14	175	49	96	0.05	0.0	2.377	0.050	0	0	1	53
PL.3080	PL.2694	A	#2 ACSR	7.43Y	123.8	0.06	1.19	24.45	14	175	49	96	0.08	0.0	2.460	0.083	0	0	1	52
PL.3258	PL.3080	A	#2 ACSR	7.43Y	123.8	0.00	1.19	1.59	1	11	3	96	0.00	0.0	2.486	0.027	10	3	1	2
PL.3259	PL.3258	A	#2 ACSR	7.43Y	123.8	0.00	1.19	0.17	0	1	0	100	0.00	0.0	2.506	0.020	1	0	1	1
PL.3081	PL.3080	A	#2 ACSR	7.43Y	123.8	0.05	1.24	22.86	13	164	46	96	0.06	0.0	2.532	0.073	14	4	2	49
PL.3256	PL.3081	A	#2 ACSR	7.43Y	123.8	0.00	1.24	2.44	1	17	5	96	0.00	0.0	2.569	0.037	13	4	3	4
PL.3257	PL.3256	A	#2 ACSR	7.43Y	123.8	0.00	1.24	0.62	0	4	1	97	0.00	0.0	2.665	0.096	4	1	1	1
PL.25726	PL.3081	A	#1/0 ACSR	7.42Y	123.7	0.02	1.25	18.48	8	132	37	96	0.01	0.0	2.569	0.037	0	0	0	43
PL.25727	PL.25726	A	#1/0 ACSR	7.42Y	123.7	0.03	1.28	17.92	8	128	36	96	0.02	0.0	2.632	0.062	0	0	0	42
PL.3083	PL.25727	A	#2 ACSR	7.42Y	123.7	0.05	1.33	17.92	10	128	36	96	0.04	0.0	2.715	0.083	4	1	1	42
PL.2702	PL.3083	A	#2 ACSR	7.42Y	123.7	0.00	1.33	0.00	0	0	0	100	0.00	0.0	2.771	0.056	0	0	0	0
PL.33104	PL.3083	A	#2 ACSR	7.42Y	123.6	0.04	1.37	17.41	10	124	35	96	0.04	0.0	2.793	0.078	0	0	0	41
PL.33105	PL.33104	A	#2 ACSR	7.42Y	123.6	0.02	1.39	17.41	10	124	35	96	0.02	0.0	2.826	0.033	0	0	2	41
PL.3255	PL.33105	A	#2 ACSR	7.41Y	123.6	0.04	1.43	17.39	10	124	35	96	0.04	0.0	2.906	0.080	0	0	0	39
PL.3260	PL.3255	A	#2 ACSR	7.41Y	123.5	0.07	1.50	15.67	9	112	31	96	0.05	0.0	3.044	0.139	7	2	1	33
PL.3261	PL.3260	A	#2 ACSR	7.41Y	123.5	0.04	1.54	14.66	8	105	29	96	0.03	0.0	3.128	0.084	0	0	0	32
PL.2821	PL.3261	A	#2 ACSR	7.40Y	123.4	0.06	1.59	13.84	8	99	28	96	0.04	0.0	3.258	0.130	0	0	0	31
PL.3084	PL.2821	A	#2 ACSR	7.40Y	123.4	0.03	1.62	13.84	8	99	28	96	0.02	0.0	3.325	0.067	6	2	3	31
PL.2705	PL.3084	A	#2 ACSR	7.40Y	123.4	0.00	1.62	0.00	0	0	0	100	0.00	0.0	3.368	0.043	0	0	2	2

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.3085	PL.3084	A	#2 ACSR	7.40Y	123.4	0.02	1.64	13.00	7	93	26	96	0.01	0.0	3.385	0.060	16	4	3	26
PL.2708	PL.3085	A	6 A (CWC)	7.40Y	123.3	0.05	1.69	10.74	8	77	21	96	0.03	0.0	3.485	0.101	0	0	0	23
PL.2706	PL.2708	A	6 A (CWC)	7.40Y	123.3	0.00	1.69	0.09	0	1	0	100	0.00	0.0	3.514	0.029	1	0	1	1
PL.2822	PL.2708	A	6 A (CWC)	7.39Y	123.2	0.08	1.77	10.66	8	76	21	96	0.04	0.1	3.655	0.169	7	2	2	22
PL.3268	PL.2822	A	6 A (CWC)	7.39Y	123.2	0.00	1.77	3.17	2	23	6	97	0.00	0.0	3.695	0.040	23	6	4	5
PL.3269	PL.3268	A	6 A (CWC)	7.39Y	123.2	0.00	1.77	0.00	0	0	0	100	0.00	0.0	3.867	0.172	0	0	1	1
PL.3267	PL.2822	A	6 A (CWC)	7.39Y	123.2	0.03	1.80	6.49	5	46	13	96	0.01	0.0	3.744	0.089	1	0	1	15
PL.3270	PL.3267	A	6 A (CWC)	7.39Y	123.2	0.01	1.81	6.35	5	45	13	96	0.00	0.0	3.797	0.053	7	2	1	14
PL.3271	PL.3270	A	6 A (CWC)	7.39Y	123.2	0.01	1.82	5.35	4	38	11	96	0.00	0.0	3.849	0.053	10	3	3	13
PL.3266	PL.3271	A	6 A (CWC)	7.39Y	123.2	0.02	1.84	3.92	3	28	8	96	0.00	0.0	3.939	0.090	2	1	1	10
PL.3265	PL.3266	A	6 A (CWC)	7.39Y	123.2	0.01	1.84	3.66	3	26	7	97	0.00	0.0	3.978	0.039	0	0	1	9
PL.3262	PL.3265	A	6 A (CWC)	7.39Y	123.1	0.01	1.85	3.66	3	26	7	97	0.00	0.0	4.025	0.047	10	3	2	8
PL.3263	PL.3262	A	6 A (CWC)	7.39Y	123.1	0.00	1.85	2.22	2	16	4	97	0.00	0.0	4.055	0.030	1	0	2	6
PL.3264	PL.3263	A	6 A (CWC)	7.39Y	123.1	0.01	1.86	2.05	1	15	4	97	0.00	0.0	4.156	0.101	0	0	0	4
PL.2870	PL.3264	A	6 A (CWC)	7.39Y	123.1	0.01	1.88	2.05	1	15	4	97	0.00	0.0	4.288	0.132	0	0	0	4
PL.3272	PL.2870	A	6 A (CWC)	7.39Y	123.1	0.01	1.88	2.05	1	15	4	97	0.00	0.0	4.380	0.092	9	3	3	4
PL.3273	PL.3272	A	6 A (CWC)	7.39Y	123.1	0.00	1.88	0.72	1	5	1	98	0.00	0.0	4.435	0.055	5	1	1	1
PL.4476	PL.3273	A	6 A (CWC)	7.39Y	123.1	0.00	1.88	0.00	0	0	0	100	0.00	0.0	4.443	0.008	0	0	0	0
PL.2704	PL.3261	A	#4 ACSR	7.41Y	123.5	0.00	1.54	0.82	1	6	2	95	0.00	0.0	3.208	0.080	6	2	1	1
PL.10200	PL.3255	A	#2 ACSR	7.41Y	123.6	0.00	1.43	1.72	1	12	3	97	0.00	0.0	2.959	0.054	0	0	0	6
PL.3251	PL.10200	A	#2 ACSR	7.41Y	123.6	0.00	1.44	1.72	1	12	3	97	0.00	0.0	3.034	0.075	2	1	1	6
PL.3252	PL.3251	A	#2 ACSR	7.41Y	123.6	0.00	1.44	1.37	1	10	3	96	0.00	0.0	3.170	0.136	5	1	1	5
PL.3253	PL.3252	A	#2 ACSR	7.41Y	123.6	0.00	1.44	0.74	0	5	1	98	0.00	0.0	3.275	0.105	0	0	0	4
PL.3250	PL.3253	A	#2 ACSR	7.41Y	123.6	0.00	1.44	0.74	0	5	1	98	0.00	0.0	3.364	0.089	4	1	2	4
PL.3248	PL.3250	A	#4 ACSR	7.41Y	123.6	0.00	1.44	0.14	0	1	0	100	0.00	0.0	3.395	0.031	1	0	2	2
PL.3249	PL.3248	A	#4 ACSR	7.41Y	123.6	0.00	1.44	0.00	0	0	0	100	0.00	0.0	3.433	0.038	0	0	0	0
PL.25725	PL.25726	A	#1/0 ACSR	7.42Y	123.7	0.00	1.25	0.56	0	4	1	97	0.00	0.0	2.601	0.032	4	1	1	1
PL.3568	PL.2868	C	#2 ACSR	7.44Y	124.0	0.00	1.04	14.61	8	105	29	96	0.00	0.0	2.293	0.005	0	0	0	20
PD.419	PL.3568	C	20T	7.44Y	124.0	0.00	1.04	14.61	0	105	29	96	0.00	0.0	2.293	0.005	0	0	0	20
PL.3569	PD.419	C	#2 ACSR	7.44Y	123.9	0.01	1.05	14.61	8	105	29	96	0.01	0.0	2.316	0.023	8	2	1	20
PL.2707	PL.3569	C	#4 ACSR	7.44Y	123.9	0.02	1.07	13.43	10	96	27	96	0.01	0.0	2.350	0.034	5	1	1	19

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.3205	PL.2707	C	#4 ACSR	7.43Y	123.9	0.02	1.09	12.72	10	91	25	96	0.01	0.0	2.383	0.033	0	0	0	18
PL.3208	PL.3205	C	#4 ACSR	7.43Y	123.9	0.02	1.11	10.61	8	76	21	96	0.01	0.0	2.428	0.045	5	2	1	16
PL.3209	PL.3208	C	#4 ACSR	7.43Y	123.9	0.01	1.13	9.85	8	71	20	96	0.01	0.0	2.458	0.030	0	0	0	15
PL.3206	PL.3209	C	#4 ACSR	7.43Y	123.9	0.00	1.13	0.75	1	5	2	93	0.00	0.0	2.482	0.024	0	0	1	2
PL.3207	PL.3206	C	#4 ACSR	7.43Y	123.9	0.00	1.13	0.75	1	5	2	93	0.00	0.0	2.548	0.066	5	2	1	1
PL.3388	PL.3209	C	#4 ACSR	7.43Y	123.9	0.01	1.14	9.10	7	65	18	96	0.01	0.0	2.500	0.042	21	6	3	13
PL.3389	PL.3388	C	#4 ACSR	7.43Y	123.8	0.01	1.15	6.10	5	44	12	96	0.00	0.0	2.544	0.044	5	2	2	10
PL.3204	PL.3389	C	#4 ACSR	7.43Y	123.8	0.01	1.16	5.34	4	38	11	96	0.00	0.0	2.603	0.059	13	4	4	8
PL.3211	PL.3204	C	#4 ACSR	7.43Y	123.8	0.01	1.18	3.58	3	26	7	97	0.00	0.0	2.708	0.105	14	4	2	4
PL.3212	PL.3211	C	#4 ACSR	7.43Y	123.8	0.00	1.18	1.55	1	11	3	96	0.00	0.0	2.732	0.024	5	1	1	2
PL.3210	PL.3212	C	#4 ACSR	7.43Y	123.8	0.00	1.18	0.86	1	6	2	95	0.00	0.0	2.779	0.047	6	2	1	1
PL.10179	PL.3205	C	#1/0 ACSR	7.43Y	123.9	0.00	1.09	2.11	1	15	4	97	0.00	0.0	2.416	0.033	15	4	2	2
PL.3466	PL.2819	C	#2 ACSR	7.44Y	124.0	0.00	1.01	0.10	0	1	0	100	0.00	0.0	1.937	0.005	0	0	0	1
PD.396	PL.3466	C	40QA	7.44Y	124.0	0.00	1.01	0.10	0	1	0	100	0.00	0.0	1.937	0.005	0	0	0	1
PL.3467	PD.396	C	#2 ACSR	7.44Y	124.0	0.00	1.01	0.10	0	1	0	100	0.00	0.0	1.963	0.026	1	0	1	1
PL.3462	PL.3086	C	#4 ACSR	7.44Y	124.0	0.00	0.98	0.29	0	2	1	89	0.00	0.0	1.661	0.005	0	0	0	1
PD.393	PL.3462	C	40QA	7.44Y	124.0	0.00	0.98	0.29	1	2	1	89	0.00	0.0	1.661	0.005	0	0	0	1
PL.3463	PD.393	C	#4 ACSR	7.44Y	124.0	0.00	0.98	0.29	0	2	1	89	0.00	0.0	1.736	0.075	2	1	1	1
PL.3464	PL.3604	C	#2 ACSR	7.44Y	124.1	0.00	0.94	1.70	1	12	3	97	0.00	0.0	1.289	0.005	0	0	0	3
PD.395	PL.3464	C	40QA	7.44Y	124.1	0.00	0.94	1.70	4	12	3	97	0.00	0.0	1.289	0.005	0	0	0	3
PL.3465	PD.395	C	#2 ACSR	7.44Y	124.1	0.00	0.94	1.70	1	12	3	97	0.00	0.0	1.309	0.020	12	3	3	3
PL.3562	PL.2581	A	#2 ACSR	7.47Y	124.4	0.00	0.56	1.24	1	9	2	98	0.00	0.0	0.661	0.005	0	0	0	1
PD.416	PL.3562	A	40QA	7.47Y	124.4	0.00	0.56	1.24	3	9	2	98	0.00	0.0	0.661	0.005	0	0	0	1
PL.3563	PD.416	A	#2 ACSR	7.47Y	124.4	0.00	0.56	1.24	1	9	2	98	0.00	0.0	0.680	0.019	9	2	1	1
PL.3422	PL.2581	C	#2 ACSR	7.47Y	124.4	0.00	0.56	0.96	1	7	2	96	0.00	0.0	0.661	0.005	0	0	0	2
PD.374	PL.3422	C	40QA	7.47Y	124.4	0.00	0.56	0.96	2	7	2	96	0.00	0.0	0.661	0.005	0	0	0	2
PL.3423	PD.374	C	#2 ACSR	7.47Y	124.4	0.00	0.56	0.96	1	7	2	96	0.00	0.0	0.679	0.018	7	2	2	2
PL.2576	PL.2863	C	#2 ACSR	7.48Y	124.6	0.00	0.36	4.00	2	29	8	96	0.00	0.0	0.440	0.020	0	0	0	4
PL.3418	PL.2576	C	#2 ACSR	7.48Y	124.6	0.00	0.36	4.00	2	29	8	96	0.00	0.0	0.444	0.005	0	0	0	4
PD.372	PL.3418	C	40QA	7.48Y	124.6	0.00	0.36	4.00	10	29	8	96	0.00	0.0	0.444	0.005	0	0	0	4
PL.3419	PD.372	C	#2 ACSR	7.48Y	124.6	0.00	0.36	4.00	2	29	8	96	0.00	0.0	0.459	0.015	0	0	0	4

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

Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.2578	PL.3419	C	#4 ACSR	7.48Y	124.6	0.00	0.37	3.11	2	22	6	96	0.00	0.0	0.478	0.019	22	6	3	3
PL.2577	PL.3419	C	#2 ACSR	7.48Y	124.6	0.00	0.37	0.88	1	6	2	95	0.00	0.0	0.495	0.036	6	2	1	1
PL.1257	Goose Rock	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	2.71	1	60	10	99	0.00	0.0	0.007	0.007	0	0	0	4
PL.7163	PL.1257	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	2.71	1	60	10	99	0.00	0.0	0.009	0.002	0	0	0	4
---------- Feeder No. 5 (Clay Ind Park F5) Beginning with Device PD.1530 ----------																				
PD.1530	PL.7163	ABC	480VWE	7.50Y	125.0	0.00	0.00	2.71	0	60	10	99	0.00	0.0	0.009	0.002	0	0	0	4
PL.7164	PD.1530	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	2.71	1	60	10	99	0.00	0.0	0.020	0.011	0	0	0	4
PL.1299	PL.7164	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	2.71	1	60	10	99	0.00	0.0	0.281	0.261	0	0	0	4
PL.1290	PL.1299	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	2.71	1	60	10	99	0.00	0.0	0.473	0.192	0	0	0	4
PL.1291	PL.1290	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	2.71	1	60	10	99	0.00	0.0	0.640	0.167	0	0	0	4
PL.1231	PL.1291	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	2.71	1	60	10	99	0.00	0.0	0.834	0.194	0	0	0	4
PL.1230	PL.1231	ABC	397 SPACER	7.50Y	125.0	0.00	0.01	2.71	1	60	10	99	0.00	0.0	1.491	0.657	0	0	0	4
PL.1343	PL.1230	ABC	397 SPACER	7.50Y	125.0	0.00	0.01	2.71	1	60	10	99	0.00	0.0	1.858	0.367	0	0	0	4
PL.1344	PL.1343	ABC	397 SPACER	7.50Y	125.0	0.00	0.01	2.71	1	60	10	99	0.00	0.0	2.048	0.189	0	0	0	4
PL.1229	PL.1344	ABC	397 SPACER	7.50Y	125.0	0.00	0.01	2.71	1	60	10	99	0.00	0.0	2.369	0.321	0	0	0	4
PL.1245	PL.1229	ABC	336 MCM AC	7.50Y	125.0	0.00	0.02	2.28	0	51	8	99	0.00	0.0	2.577	0.208	0	0	0	3
PL.1240	PL.1245	ABC	336 MCM AC	7.50Y	125.0	0.00	0.02	2.28	0	51	8	99	0.00	0.0	2.756	0.179	0	0	0	3
PL.1227	PL.1240	ABC	336 MCM AC	7.50Y	125.0	0.00	0.02	1.58	0	35	3	100	0.00	0.0	2.802	0.046	0	0	0	2
PL.1347	PL.1227	ABC	350 MCM AL	7.50Y	125.0	0.00	0.02	1.58	0	35	3	100	0.00	0.0	2.805	0.003	0	0	0	2
PD.185-A	PL.1347	ABC	Closed	7.50Y	125.0	0.00	0.02	1.59	0	35	3	100	0.00	0.0	2.805	0.003	0	0	0	2
PD.185-B	PD.185-A	ABC	Closed	7.50Y	125.0	0.00	0.02	1.59	0	35	3	100	0.00	0.0	2.805	0.003	0	0	0	2
PL.1348	PD.185-B	ABC	350 MCM AL	7.50Y	125.0	0.00	0.02	1.59	0	35	3	100	0.00	0.0	3.330	0.524	0	0	0	2
PD.154-A	PL.1348	ABC	Closed	7.50Y	125.0	0.00	0.02	1.67	0	35	12	95	0.00	0.0	3.330	0.524	0	0	0	2
PD.154-B	PD.154-A	ABC	Closed	7.50Y	125.0	0.00	0.02	1.67	0	35	12	95	0.00	0.0	3.330	0.524	0	0	0	2
PL.1225	PD.154-B	ABC	350 MCM AL	7.50Y	125.0	0.00	0.03	1.58	0	33	12	94	0.00	0.0	3.481	0.152	0	0	0	1
PD.153-A	PL.1225	ABC	Closed	7.50Y	125.0	0.00	0.03	1.62	0	33	14	92	0.00	0.0	3.481	0.152	0	0	0	1
PD.153-B	PD.153-A	ABC	Closed	7.50Y	125.0	0.00	0.03	1.62	0	33	14	92	0.00	0.0	3.481	0.152	0	0	0	1
PL.1247	PD.153-B	ABC	350 MCM AL	7.50Y	125.0	0.00	0.03	1.62	1	33	14	92	0.00	0.0	3.565	0.084	0	0	0	1
PL.1248	PL.1247	ABC	350 MCM AL	7.50Y	125.0	0.00	0.03	1.64	1	33	16	90	0.00	0.0	3.586	0.021	33	16	1	1

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Balanced Voltage Drop Report
Source: Goose Rock

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.1226	PD.154-B	ABC	350 MCM AL	7.50Y	125.0	0.00	0.02	0.10	0	2	1	89	0.00	0.0	3.353	0.023	2	1	1	1
PL.1345	PL.1240	ABC	#2 ACSR	7.50Y	125.0	0.00	0.02	0.71	0	15	4	97	0.00	0.0	2.816	0.060	0	0	0	1
PD.184	PL.1345	ABC	100QA	7.50Y	125.0	0.00	0.02	0.71	1	15	4	97	0.00	0.0	2.816	0.060	0	0	0	1
PL.1346	PD.184	ABC	#2 ACSR	7.50Y	125.0	0.00	0.02	0.71	0	15	4	97	0.00	0.0	2.839	0.022	15	4	1	1
PL.63	PL.1229	B	8 A (CWC)	7.50Y	125.0	0.00	0.02	1.28	1	9	3	95	0.00	0.0	2.406	0.037	9	3	1	1

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	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	10647	0	0	0	0	0	288	0.00	10935
KVAR	3073	0	0	-18	0	0	541		3596

Lowest Voltage = 116.88 on Element PL.2227
Max Accm VoltD = 8.12 on Element PL.2227
Max Elem VoltD = 0.40 on Element PL.1393