Balanced Voltage Drop Report
Source: Greenhall

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
Greenhall		ABC	SRC-Green	7.50Y	125.0	0.00	0.00	213.77	0	4569	1504	95	0.00	0.0	0.000	0.000	0	0	0	1144
PL.30101	Greenhall	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	58.88	11	1265	394	95	0.00	0.0	0.011	0.011	0	0	0	288
PL.32686	PL.30101	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	58.88	11	1265	394	95	0.00	0.0	0.014	0.004	0	0	0	288
---------- Feeder No. 4 (Tyner F4) Beginning with Device PD.5287 ----------																				
PD.5287	PL.32686	ABC	480VWE	7.50Y	125.0	0.00	0.00	58.88	0	1265	394	95	0.00	0.0	0.014	0.004	0	0	0	288
PL.32687	PD.5287	ABC	397 SPACER	7.50Y	125.0	0.03	0.03	58.88	11	1265	394	95	0.06	0.0	0.145	0.131	0	0	0	288
PL.29694	PL.32687	ABC	#1/0 ACSR	7.49Y	124.9	0.06	0.09	58.88	26	1265	394	95	0.49	0.0	0.198	0.053	0	0	0	288
PL.29842	PL.29694	ABC	#1/0 ACSR	7.49Y	124.8	0.15	0.23	58.88	26	1264	393	95	1.27	0.1	0.335	0.137	0	0	0	288
PL.29841	PL.29842	ABC	#1/0 ACSR	7.48Y	124.6	0.14	0.37	58.88	26	1263	392	96	1.21	0.1	0.467	0.131	0	0	0	288
PL.29840	PL.29841	ABC	#1/0 ACSR	7.47Y	124.5	0.12	0.50	58.88	26	1262	391	96	1.03	0.1	0.578	0.111	0	0	0	288
PL.29839	PL.29840	ABC	#1/0 ACSR	7.46Y	124.4	0.13	0.62	58.88	26	1261	390	96	1.08	0.1	0.695	0.117	0	0	0	288
PL.29838	PL.29839	ABC	#1/0 ACSR	7.46Y	124.3	0.11	0.73	58.88	26	1260	389	96	0.94	0.1	0.797	0.102	0	0	0	288
PL.29695	PL.29838	ABC	#1/0 ACSR	7.45Y	124.1	0.14	0.87	58.88	26	1259	388	96	1.17	0.1	0.923	0.127	0	0	0	288
PL.29760	PL.29695	A	6 A (CWC)	7.45Y	124.1	0.00	0.87	1.67	1	12	3	97	0.00	0.0	0.928	0.005	0	0	0	2
PD.4096	PL.29760	A	65T	7.45Y	124.1	0.00	0.87	1.67	0	12	3	97	0.00	0.0	0.928	0.005	0	0	0	2
PL.29761	PD.4096	A	6 A (CWC)	7.45Y	124.1	0.00	0.87	1.67	1	12	3	97	0.00	0.0	0.938	0.010	9	3	1	2
PL.29893	PL.29761	A	6 A (CWC)	7.45Y	124.1	0.00	0.87	0.44	0	3	1	95	0.00	0.0	0.970	0.033	3	1	1	1
PL.29871	PL.29695	ABC	#1/0 ACSR	7.44Y	124.0	0.16	1.03	58.33	25	1246	383	96	1.38	0.1	1.075	0.152	0	0	0	286
PL.29872	PL.29871	ABC	#1/0 ACSR	7.44Y	123.9	0.05	1.08	58.00	25	1237	380	96	0.45	0.0	1.125	0.050	0	0	0	285
PL.29764	PL.29872	C	#1/0 ACSR	7.44Y	123.9	0.00	1.08	4.13	2	29	9	96	0.00	0.0	1.130	0.005	0	0	0	8
PD.4098	PL.29764	C	65T	7.44Y	123.9	0.00	1.08	4.13	0	29	9	96	0.00	0.0	1.130	0.005	0	0	0	8
PL.29765	PD.4098	C	#1/0 ACSR	7.43Y	123.9	0.01	1.10	4.13	2	29	9	96	0.00	0.0	1.262	0.132	0	0	0	8
PL.29843	PL.29765	C	#1/0 ACSR	7.43Y	123.9	0.01	1.10	4.13	2	29	9	96	0.00	0.0	1.338	0.076	5	2	1	8
PL.29696	PL.29843	C	6 A (CWC)	7.43Y	123.9	0.02	1.12	3.40	2	24	7	96	0.00	0.0	1.462	0.124	0	0	0	7
PL.29895	PL.29696	C	6 A (CWC)	7.43Y	123.9	0.01	1.14	3.40	2	24	7	96	0.00	0.0	1.558	0.096	6	2	2	7
PL.29896	PL.29895	C	6 A (CWC)	7.43Y	123.9	0.01	1.15	2.53	2	18	5	96	0.00	0.0	1.654	0.096	3	1	2	5
PL.29894	PL.29896	C	6 A (CWC)	7.43Y	123.9	0.00	1.15	2.15	2	15	4	97	0.00	0.0	1.702	0.048	8	2	1	3
PL.29892	PL.29894	C	6 A (CWC)	7.43Y	123.8	0.00	1.15	1.06	1	8	2	97	0.00	0.0	1.743	0.041	7	2	1	2
PL.29891	PL.29892	C	6 A (CWC)	7.43Y	123.8	0.00	1.15	0.10	0	1	0	100	0.00	0.0	1.811	0.068	1	0	1	1
PL.29873	PL.29872	ABC	#1/0 ACSR	7.43Y	123.8	0.16	1.24	56.63	25	1207	371	96	1.31	0.1	1.279	0.154	0	0	0	277

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

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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.29897	PL.29873	ABC	#1/0 ACSR	7.41Y	123.6	0.18	1.42	56.63	25	1206	370	96	1.50	0.1	1.454	0.176	0	0	1	277
PL.29898	PL.29897	ABC	#1/0 ACSR	7.41Y	123.5	0.04	1.47	56.62	25	1204	368	96	0.37	0.0	1.498	0.043	0	0	0	276
PL.29766	PL.29898	C	#1/0 ACSR	7.41Y	123.5	0.00	1.47	0.59	0	4	1	97	0.00	0.0	1.502	0.005	0	0	0	4
PD.4099	PL.29766	C	65T	7.41Y	123.5	0.00	1.47	0.59	0	4	1	97	0.00	0.0	1.502	0.005	0	0	0	4
PL.29767	PD.4099	C	#1/0 ACSR	7.41Y	123.5	0.00	1.47	0.59	0	4	1	97	0.00	0.0	1.537	0.035	4	1	4	4
PL.29789	PL.29898	ABC	#1/0 ACSR	7.41Y	123.5	0.04	1.51	56.42	25	1200	367	96	0.35	0.0	1.539	0.041	5	1	2	272
PL.29790	PL.29789	ABC	#1/0 ACSR	7.40Y	123.3	0.14	1.65	56.00	24	1191	364	96	1.16	0.1	1.677	0.138	0	0	0	268
PL.29844	PL.29790	ABC	#1/0 ACSR	7.39Y	123.2	0.15	1.80	56.00	24	1189	362	96	1.22	0.1	1.823	0.146	0	0	0	268
PL.29845	PL.29844	ABC	#1/0 ACSR	7.38Y	123.0	0.17	1.97	56.00	24	1188	361	96	1.39	0.1	1.989	0.166	0	0	0	268
PL.29792	PL.29845	ABC	#1/0 ACSR	7.37Y	122.9	0.11	2.08	55.26	24	1171	355	96	0.90	0.1	2.100	0.111	0	0	0	264
PL.29770	PL.29792	C	#1/0 ACSR	7.37Y	122.9	0.00	2.08	0.04	0	0	0	100	0.00	0.0	2.105	0.005	0	0	0	2
PD.4101	PL.29770	C	65T	7.37Y	122.9	0.00	2.08	0.04	0	0	0	100	0.00	0.0	2.105	0.005	0	0	0	2
PL.29771	PD.4101	C	#1/0 ACSR	7.37Y	122.9	0.00	2.08	0.04	0	0	0	100	0.00	0.0	2.126	0.021	0	0	0	2
PL.29902	PL.29771	C	#4 ACSR	7.37Y	122.9	0.00	2.08	0.04	0	0	0	100	0.00	0.0	2.189	0.063	0	0	1	2
PL.29903	PL.29902	C	#4 ACSR	7.37Y	122.9	0.00	2.08	0.00	0	0	0	100	0.00	0.0	2.290	0.101	0	0	1	1
PL.29794	PL.29792	ABC	#1/0 ACSR	7.37Y	122.9	0.04	2.12	55.25	24	1170	354	96	0.30	0.0	2.137	0.037	0	0	0	262
PL.29795	PL.29794	ABC	#1/0 ACSR	7.37Y	122.8	0.07	2.19	54.89	24	1162	352	96	0.53	0.0	2.203	0.066	0	0	0	261
PL.29772	PL.29795	A	#4 ACSR	7.37Y	122.8	0.00	2.19	1.36	1	10	3	96	0.00	0.0	2.208	0.004	0	0	0	1
PD.4102	PL.29772	A	65T	7.37Y	122.8	0.00	2.19	1.36	0	10	3	96	0.00	0.0	2.208	0.004	0	0	0	1
PL.29773	PD.4102	A	#4 ACSR	7.37Y	122.8	0.00	2.19	1.36	1	10	3	96	0.00	0.0	2.281	0.073	10	3	1	1
PL.29796	PL.29795	ABC	#1/0 ACSR	7.36Y	122.6	0.16	2.35	54.43	24	1152	349	96	1.30	0.1	2.369	0.165	0	0	0	260
PL.30071	PL.29796	C	1/0 AL URD	7.36Y	122.6	0.00	2.35	0.85	0	6	2	95	0.00	0.0	2.373	0.005	0	0	0	1
PD.4136	PL.30071	C	65T	7.36Y	122.6	0.00	2.35	0.85	0	6	2	95	0.00	0.0	2.373	0.005	0	0	0	1
PL.30072	PD.4136	C	1/0 AL URD	7.36Y	122.6	0.00	2.35	0.85	1	6	2	95	0.00	0.0	2.428	0.054	6	2	1	1
PL.29797	PL.29796	ABC	#1/0 ACSR	7.35Y	122.6	0.07	2.42	54.15	24	1144	346	96	0.54	0.0	2.438	0.069	0	0	0	258
PL.29701	PL.29797	A	#1/0 ACSR	7.35Y	122.6	0.00	2.42	1.11	0	8	2	97	0.00	0.0	2.442	0.004	0	0	0	2
PD.4105	PL.29701	A	65T	7.35Y	122.6	0.00	2.42	1.11	0	8	2	97	0.00	0.0	2.442	0.004	0	0	0	2
PL.29700	PD.4105	A	#1/0 ACSR	7.35Y	122.6	0.00	2.42	0.27	0	2	1	89	0.00	0.0	2.500	0.058	2	1	1	1
PL.29799	PD.4105	A	#1/0 ACSR	7.35Y	122.6	0.00	2.42	0.84	0	6	2	95	0.00	0.0	2.504	0.062	6	2	1	1
PL.29798	PL.29797	ABC	#1/0 ACSR	7.35Y	122.5	0.11	2.53	53.78	23	1136	343	96	0.87	0.1	2.551	0.113	0	0	0	256
PL.29800	PL.29798	ABC	#1/0 ACSR	7.34Y	122.4	0.11	2.64	53.39	23	1127	340	96	0.88	0.1	2.666	0.116	4	1	1	255

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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.29801	PL.29800	ABC	#1/0 ACSR	7.34Y	122.3	0.09	2.74	52.07	23	1098	331	96	0.71	0.1	2.764	0.098	0	0	0	251
PL.29702	PL.29801	ABC	#1/0 ACSR	7.33Y	122.2	0.04	2.78	52.07	23	1097	330	96	0.33	0.0	2.809	0.045	0	0	0	251
PL.29802	PL.29702	ABC	#1/0 ACSR	7.32Y	122.1	0.15	2.93	47.87	21	1008	304	96	1.04	0.1	2.981	0.171	2	1	1	232
PL.29703	PL.29802	ABC	#1/0 ACSR	7.32Y	122.0	0.03	2.96	47.30	21	995	300	96	0.24	0.0	3.021	0.040	1	0	1	229
PL.29704	PL.29703	ABC	#1/0 ACSR	7.32Y	122.0	0.02	2.98	47.25	21	994	299	96	0.15	0.0	3.045	0.025	0	0	0	228
PL.29705	PL.29704	ABC	#1/0 ACSR	7.31Y	121.9	0.14	3.13	47.25	21	994	299	96	0.97	0.1	3.208	0.163	0	0	0	228
PL.29851	PL.29705	ABC	#1/0 ACSR	7.30Y	121.7	0.13	3.26	47.25	21	993	298	96	0.91	0.1	3.362	0.153	0	0	0	228
PL.30017	PL.29851	C	6 A (CWC)	7.30Y	121.7	0.00	3.26	3.24	2	23	7	96	0.00	0.0	3.366	0.004	0	0	0	5
PD.4110	PL.30017	C	65T	7.30Y	121.7	0.00	3.26	3.24	0	23	7	96	0.00	0.0	3.366	0.004	0	0	0	5
PL.30018	PD.4110	C	6 A (CWC)	7.30Y	121.7	0.02	3.28	3.24	2	23	7	96	0.00	0.0	3.529	0.163	2	1	1	5
PL.29907	PL.30018	C	6 A (CWC)	7.30Y	121.7	0.02	3.30	2.98	2	21	6	96	0.00	0.0	3.642	0.113	0	0	0	4
PL.29715	PL.29907	C	#4 ACSR	7.30Y	121.7	0.00	3.30	1.15	1	8	2	97	0.00	0.0	3.699	0.058	8	2	1	1
PL.29905	PL.29907	C	#4 ACSR	7.30Y	121.7	0.00	3.30	1.83	1	13	4	96	0.00	0.0	3.673	0.031	6	2	1	3
PL.29906	PL.29905	C	#4 ACSR	7.30Y	121.7	0.00	3.30	0.95	1	7	2	96	0.00	0.0	3.721	0.048	7	2	1	2
PL.29904	PL.29906	C	#4 ACSR	7.30Y	121.7	0.00	3.30	0.00	0	0	0	100	0.00	0.0	3.771	0.050	0	0	1	1
PL.29807	PL.29907	C	6 A (CWC)	7.30Y	121.7	0.00	3.30	0.00	0	0	0	100	0.00	0.0	3.714	0.073	0	0	0	0
PL.29806	PL.29851	ABC	#1/0 ACSR	7.30Y	121.7	0.06	3.32	46.17	20	969	290	96	0.40	0.0	3.432	0.071	0	0	0	223
PL.29852	PL.29806	ABC	#1/0 ACSR	7.29Y	121.6	0.11	3.43	46.17	20	969	290	96	0.76	0.1	3.566	0.134	0	0	0	223
PL.29717	PL.29852	ABC	#1/0 ACSR	7.29Y	121.5	0.11	3.54	45.01	20	944	282	96	0.73	0.1	3.700	0.135	0	0	0	218
PL.29857	PL.29717	ABC	#1/0 ACSR	7.28Y	121.4	0.07	3.61	45.01	20	943	282	96	0.44	0.0	3.782	0.081	0	0	0	218
PL.29881	PL.29857	ABC	#1/0 ACSR	7.28Y	121.3	0.10	3.70	45.01	20	942	281	96	0.64	0.1	3.902	0.120	5	1	1	218
PL.30023	PL.29881	A	#4 ACSR	7.28Y	121.3	0.00	3.70	0.00	0	0	0	100	0.00	0.0	3.906	0.005	0	0	0	0
PD.4113	PL.30023	A	65T	7.28Y	121.3	0.00	3.70	0.00	0	0	0	100	0.00	0.0	3.906	0.005	0	0	0	0
PL.30024	PD.4113	A	#4 ACSR	7.28Y	121.3	0.00	3.70	0.00	0	0	0	100	0.00	0.0	3.944	0.037	0	0	0	0
PL.29882	PL.29881	ABC	#1/0 ACSR	7.28Y	121.3	0.05	3.75	44.79	19	937	279	96	0.30	0.0	3.957	0.055	0	0	0	217
PL.30077	PL.29882	A	6 A (CWC)	7.27Y	121.2	0.00	3.75	6.41	5	45	13	96	0.00	0.0	3.962	0.005	0	0	0	6
PD.4139	PL.30077	A	65T	7.27Y	121.2	0.00	3.75	6.41	0	45	13	96	0.00	0.0	3.962	0.005	0	0	0	6
PL.30078	PD.4139	A	6 A (CWC)	7.27Y	121.2	0.03	3.79	6.41	5	45	13	96	0.01	0.0	4.078	0.116	1	0	1	6
PL.29912	PL.30078	A	#1/0 ACSR	7.27Y	121.2	0.00	3.79	2.65	1	19	5	97	0.00	0.0	4.127	0.049	10	3	2	3
PL.29913	PL.29912	A	#1/0 ACSR	7.27Y	121.2	0.00	3.79	1.16	1	8	2	97	0.00	0.0	4.261	0.134	8	2	1	1
PL.30019	PL.30078	A	1/0 AL URD	7.27Y	121.2	0.00	3.79	3.67	2	26	7	97	0.00	0.0	4.082	0.005	0	0	0	2

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Units Displayed In Volts
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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
PD.4111	PL.30019	A	40T	7.27Y	121.2	0.00	3.79	3.67	0	26	7	97	0.00	0.0	4.082	0.005	0	0	0	2
PL.30020	PD.4111	A	1/0 AL URD	7.27Y	121.2	0.00	3.79	3.67	2	26	7	97	0.00	0.0	4.144	0.062	26	7	2	2
PL.29809	PL.29882	ABC	#1/0 ACSR	7.27Y	121.2	0.08	3.83	42.65	19	892	266	96	0.53	0.1	4.066	0.109	0	0	0	211
PL.30021	PL.29809	A	6 A (CWC)	7.27Y	121.2	0.00	3.83	0.43	0	3	1	95	0.00	0.0	4.071	0.005	0	0	0	1
PD.4112	PL.30021	A	65T	7.27Y	121.2	0.00	3.83	0.43	0	3	1	95	0.00	0.0	4.071	0.005	0	0	0	1
PL.30022	PD.4112	A	6 A (CWC)	7.27Y	121.2	0.00	3.84	0.43	0	3	1	95	0.00	0.0	4.118	0.047	3	1	1	1
PL.29810	PL.29809	ABC	#1/0 ACSR	7.26Y	121.1	0.09	3.92	42.51	18	889	265	96	0.55	0.1	4.180	0.113	0	0	0	210
PL.29933	PL.29810	ABC	#1/0 ACSR	7.26Y	121.0	0.06	3.98	42.45	18	887	264	96	0.38	0.0	4.258	0.079	3	1	1	207
PL.29934	PL.29933	ABC	#1/0 ACSR	7.26Y	121.0	0.06	4.05	42.32	18	884	263	96	0.40	0.0	4.342	0.084	0	0	0	206
PL.30075	PL.29934	C	6 A (CWC)	7.26Y	121.0	0.00	4.05	1.07	1	7	2	96	0.00	0.0	4.347	0.005	0	0	0	2
PD.4138	PL.30075	C	65T	7.26Y	121.0	0.00	4.05	1.07	0	7	2	96	0.00	0.0	4.347	0.005	0	0	0	2
PL.30076	PD.4138	C	6 A (CWC)	7.26Y	120.9	0.00	4.05	1.07	1	7	2	96	0.00	0.0	4.434	0.087	7	2	2	2
PL.30031	PL.29934	A	#4 ACSR	7.26Y	121.0	0.00	4.05	1.13	1	8	2	97	0.00	0.0	4.347	0.005	0	0	0	1
PD.4116	PL.30031	A	65T	7.26Y	121.0	0.00	4.05	1.13	0	8	2	97	0.00	0.0	4.347	0.005	0	0	0	1
PL.30032	PD.4116	A	#4 ACSR	7.26Y	121.0	0.00	4.05	1.13	1	8	2	97	0.00	0.0	4.360	0.013	0	0	0	1
PL.29687	PL.30032	A	#2 ACSR	7.26Y	120.9	0.00	4.05	1.13	1	8	2	97	0.00	0.0	4.423	0.064	8	2	1	1
PL.29811	PL.29934	ABC	#1/0 ACSR	7.25Y	120.8	0.10	4.15	41.58	18	868	258	96	0.63	0.1	4.480	0.138	0	0	0	203
PL.29858	PL.29811	ABC	#1/0 ACSR	7.25Y	120.8	0.09	4.24	41.58	18	867	257	96	0.56	0.1	4.602	0.122	0	0	0	203
PL.29859	PL.29858	ABC	#1/0 ACSR	7.24Y	120.7	0.07	4.31	41.58	18	867	257	96	0.41	0.0	4.691	0.089	0	0	0	203
PL.30033	PL.29859	C	#4 ACSR	7.24Y	120.7	0.00	4.31	2.46	2	17	5	96	0.00	0.0	4.696	0.005	0	0	0	4
PD.4117	PL.30033	C	65T	7.24Y	120.7	0.00	4.31	2.46	0	17	5	96	0.00	0.0	4.696	0.005	0	0	0	4
PL.30034	PD.4117	C	#4 ACSR	7.24Y	120.7	0.00	4.31	2.46	2	17	5	96	0.00	0.0	4.705	0.010	0	0	0	4
PL.29684	PL.30034	C	6 A (CWC)	7.24Y	120.7	0.01	4.32	2.46	2	17	5	96	0.00	0.0	4.857	0.151	17	5	4	4
PL.29812	PL.29859	ABC	#1/0 ACSR	7.24Y	120.6	0.07	4.38	40.76	18	849	251	96	0.43	0.1	4.788	0.097	0	0	0	199
PL.29813	PL.29812	ABC	#1/0 ACSR	7.23Y	120.5	0.07	4.45	40.60	18	845	250	96	0.39	0.0	4.877	0.089	0	0	0	198
PL.29948	PL.29813	ABC	#1/0 ACSR	7.23Y	120.5	0.06	4.51	40.54	18	844	249	96	0.38	0.0	4.966	0.089	16	5	3	197
PL.30097	PL.29948	ABC	#1/0 ACSR	7.23Y	120.5	0.03	4.55	39.75	17	827	244	96	0.18	0.0	5.010	0.044	0	0	0	194
PD.4152	PL.30097	ABC	70L	7.23Y	120.5	0.00	4.55	39.75	57	827	244	96	0.00	0.0	5.010	0.044	0	0	0	194
PL.30098	PD.4152	ABC	#1/0 ACSR	7.22Y	120.4	0.06	4.60	39.75	17	827	244	96	0.32	0.0	5.086	0.076	0	0	0	194
PL.30089	PL.30098	A	#2 ACSR	7.22Y	120.4	0.00	4.60	15.68	9	109	32	96	0.00	0.0	5.089	0.003	0	0	0	31
PD.4148	PL.30089	A	35L	7.22Y	120.4	0.00	4.60	15.68	45	109	32	96	0.00	0.0	5.089	0.003	0	0	0	31

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Balanced Voltage Drop Report
Source: Greenhall

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.30090	PD.4148	A	#2 ACSR	7.22Y	120.4	0.03	4.64	15.68	9	109	32	96	0.03	0.0	5.161	0.073	6	2	1	31
PL.29686	PL.30090	A	#2 ACSR	7.22Y	120.4	0.00	4.64	0.00	0	0	0	100	0.00	0.0	5.262	0.101	0	0	1	1
PL.29878	PL.30090	A	#2 ACSR	7.22Y	120.3	0.02	4.66	14.79	8	103	30	96	0.01	0.0	5.203	0.042	0	0	0	29
PL.29690	PL.29878	A	#2 ACSR	7.22Y	120.3	0.00	4.66	0.68	0	5	1	98	0.00	0.0	5.239	0.035	5	1	5	5
PL.29877	PL.29878	A	#2 ACSR	7.22Y	120.3	0.02	4.68	12.91	7	90	26	96	0.01	0.0	5.255	0.051	0	0	0	23
PL.29691	PL.29877	A	#2 ACSR	7.22Y	120.3	0.00	4.68	1.02	1	7	2	96	0.00	0.0	5.296	0.042	7	2	1	1
PL.29814	PL.29877	A	#2 ACSR	7.22Y	120.3	0.02	4.70	11.89	7	82	24	96	0.01	0.0	5.313	0.059	3	1	2	22
PL.29815	PL.29814	A	#2 ACSR	7.22Y	120.3	0.02	4.72	11.50	7	80	23	96	0.01	0.0	5.359	0.046	0	0	0	20
PL.29875	PL.29815	A	6 A (CWC)	7.22Y	120.3	0.03	4.75	11.50	8	80	23	96	0.02	0.0	5.418	0.059	0	0	0	20
PL.29692	PL.29875	A	6 A (CWC)	7.22Y	120.3	0.00	4.75	0.08	0	1	0	100	0.00	0.0	5.494	0.077	1	0	1	1
PL.29876	PL.29875	A	6 A (CWC)	7.21Y	120.2	0.05	4.80	11.42	8	79	23	96	0.03	0.0	5.515	0.097	0	0	0	19
PL.29931	PL.29876	A	6 A (CWC)	7.21Y	120.2	0.04	4.83	10.66	8	74	21	96	0.02	0.0	5.590	0.075	5	1	1	17
PL.29932	PL.29931	A	6 A (CWC)	7.21Y	120.1	0.03	4.87	9.97	7	69	20	96	0.02	0.0	5.671	0.082	9	3	1	16
PL.29929	PL.29932	A	#2 ACSR	7.21Y	120.1	0.03	4.90	8.62	5	60	17	96	0.01	0.0	5.784	0.112	6	2	1	15
PL.29930	PL.29929	A	#2 ACSR	7.20Y	120.1	0.02	4.92	7.82	4	54	16	96	0.01	0.0	5.871	0.088	0	0	0	14
PL.29874	PL.29930	A	#2 ACSR	7.20Y	120.1	0.02	4.94	5.73	3	40	12	96	0.01	0.0	5.974	0.103	0	0	0	13
PL.29721	PL.29874	A	#4 ACSR	7.20Y	120.1	0.00	4.94	0.64	0	4	1	97	0.00	0.0	6.054	0.080	3	1	1	3
PL.29923	PL.29721	A	#2 ACSR	7.20Y	120.1	0.00	4.94	0.19	0	1	0	100	0.00	0.0	6.086	0.033	0	0	1	2
PL.29924	PL.29923	A	#2 ACSR	7.20Y	120.1	0.00	4.94	0.15	0	1	0	100	0.00	0.0	6.233	0.146	1	0	1	1
PL.29927	PL.29874	A	#2 ACSR	7.20Y	120.1	0.01	4.95	5.09	3	35	10	96	0.00	0.0	6.021	0.047	9	3	2	10
PL.29928	PL.29927	A	#2 ACSR	7.20Y	120.0	0.01	4.96	3.74	2	26	8	96	0.00	0.0	6.119	0.099	0	0	0	8
PL.29722	PL.29928	A	6 A (CWC)	7.20Y	120.0	0.01	4.96	1.67	1	12	3	97	0.00	0.0	6.230	0.111	4	1	1	4
PL.29724	PL.29722	A	6 A (CWC)	7.20Y	120.0	0.00	4.96	0.01	0	0	0	100	0.00	0.0	6.310	0.080	0	0	1	1
PL.29816	PL.29722	A	6 A (CWC)	7.20Y	120.0	0.00	4.97	1.09	1	8	2	97	0.00	0.0	6.344	0.114	8	2	2	2
PL.29723	PL.29928	A	6 A (CWC)	7.20Y	120.0	0.00	4.96	1.10	1	8	2	97	0.00	0.0	6.176	0.056	8	2	2	2
PL.29925	PL.29928	A	6 A (CWC)	7.20Y	120.0	0.00	4.96	0.96	1	7	2	96	0.00	0.0	6.222	0.102	7	2	1	2
PL.29926	PL.29925	A	6 A (CWC)	7.20Y	120.0	0.00	4.96	0.02	0	0	0	100	0.00	0.0	6.265	0.043	0	0	1	1
PL.29720	PL.29930	A	6 A (CWC)	7.20Y	120.1	0.00	4.92	2.09	1	14	4	96	0.00	0.0	5.891	0.019	14	4	1	1
PL.29693	PL.29876	A	#4 ACSR	7.21Y	120.2	0.00	4.80	0.76	1	5	2	93	0.00	0.0	5.531	0.016	5	2	2	2
PL.29689	PL.29878	A	#1/0 ACSR	7.22Y	120.3	0.00	4.66	1.20	1	8	2	97	0.00	0.0	5.258	0.055	8	2	1	1
PL.29935	PL.30098	ABC	#1/0 ACSR	7.22Y	120.3	0.07	4.67	34.53	15	718	212	96	0.36	0.1	5.203	0.117	13	4	3	163

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Balanced Voltage Drop Report
Source: Greenhall

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.29936	PL.29935	ABC	#1/0 ACSR	7.22Y	120.3	0.04	4.72	33.91	15	704	208	96	0.22	0.0	5.275	0.072	10	3	1	160
PL.29940	PL.29936	B	#1/0 ACSR	7.22Y	120.3	0.00	4.72	1.79	1	12	4	95	0.00	0.0	5.316	0.041	7	2	1	2
PL.29941	PL.29940	B	#1/0 ACSR	7.22Y	120.3	0.00	4.72	0.74	0	5	1	98	0.00	0.0	5.372	0.056	5	1	1	1
PL.29884	PL.29936	ABC	#1/0 ACSR	7.21Y	120.2	0.05	4.77	32.85	14	682	201	96	0.24	0.0	5.359	0.084	0	0	0	157
PL.30091	PL.29884	B	#4 ACSR	7.21Y	120.2	0.00	4.77	7.34	6	51	15	96	0.00	0.0	5.361	0.003	0	0	0	16
PD.4149	PL.30091	B	35L	7.21Y	120.2	0.00	4.77	7.34	21	51	15	96	0.00	0.0	5.361	0.003	0	0	0	16
PL.30092	PD.4149	B	#4 ACSR	7.21Y	120.2	0.02	4.79	7.34	6	51	15	96	0.01	0.0	5.429	0.068	0	0	0	16
PL.29817	PL.30092	B	#4 ACSR	7.21Y	120.2	0.00	4.80	7.16	6	50	14	96	0.00	0.0	5.444	0.014	6	2	1	15
PL.29937	PL.29817	B	6 A (CWC)	7.21Y	120.2	0.02	4.82	6.29	4	44	13	96	0.01	0.0	5.529	0.085	3	1	2	14
PL.29938	PL.29937	B	6 A (CWC)	7.21Y	120.2	0.01	4.83	5.79	4	40	12	96	0.00	0.0	5.591	0.062	10	3	2	12
PL.29939	PL.29938	B	6 A (CWC)	7.21Y	120.2	0.01	4.85	4.33	3	30	9	96	0.00	0.0	5.652	0.061	0	0	0	10
PL.29726	PL.29939	B	6 A (CWC)	7.21Y	120.1	0.01	4.86	4.31	3	30	9	96	0.00	0.0	5.701	0.049	0	0	0	9
PL.29879	PL.29726	B	#1/0 ACSR	7.21Y	120.1	0.01	4.86	4.31	2	30	9	96	0.00	0.0	5.755	0.054	1	0	1	9
PL.29880	PL.29879	B	#1/0 ACSR	7.21Y	120.1	0.01	4.87	3.47	2	24	7	96	0.00	0.0	5.885	0.130	0	0	0	7
PL.29949	PL.29880	B	#1/0 ACSR	7.21Y	120.1	0.01	4.88	3.47	2	24	7	96	0.00	0.0	5.982	0.097	0	0	2	7
PL.29950	PL.29949	B	#1/0 ACSR	7.21Y	120.1	0.00	4.88	3.47	2	24	7	96	0.00	0.0	6.032	0.050	0	0	0	5
PL.29688	PL.29950	B	6 A (CWC)	7.21Y	120.1	0.00	4.89	0.77	1	5	2	93	0.00	0.0	6.166	0.134	0	0	0	1
PL.29861	PL.29688	B	6 A (CWC)	7.21Y	120.1	0.00	4.89	0.77	1	5	2	93	0.00	0.0	6.310	0.144	5	2	1	1
PL.29951	PL.29950	B	#4 ACSR	7.21Y	120.1	0.00	4.89	2.70	2	19	5	97	0.00	0.0	6.062	0.030	9	3	2	4
PL.29952	PL.29951	B	#4 ACSR	7.21Y	120.1	0.00	4.89	1.39	1	10	3	96	0.00	0.0	6.106	0.043	7	2	1	2
PL.29953	PL.29952	B	#4 ACSR	7.21Y	120.1	0.00	4.89	0.33	0	2	1	89	0.00	0.0	6.204	0.098	2	1	1	1
PL.29727	PL.29879	B	#1/0 ACSR	7.21Y	120.1	0.00	4.86	0.73	0	5	1	98	0.00	0.0	5.798	0.043	5	1	1	1
PL.29818	PL.29939	B	6 A (CWC)	7.21Y	120.2	0.00	4.85	0.02	0	0	0	100	0.00	0.0	5.710	0.058	0	0	1	1
PL.29725	PL.30092	B	#4 ACSR	7.21Y	120.2	0.00	4.79	0.18	0	1	0	100	0.00	0.0	5.518	0.089	0	0	0	1
PL.29860	PL.29725	B	#4 ACSR	7.21Y	120.2	0.00	4.79	0.18	0	1	0	100	0.00	0.0	5.622	0.104	1	0	1	1
PL.30079	PL.29884	C	#1/0 ACSR	7.21Y	120.2	0.00	4.77	1.24	1	9	3	95	0.00	0.0	5.363	0.005	0	0	0	1
PD.4140	PL.30079	C	30T	7.21Y	120.2	0.00	4.77	1.24	0	9	3	95	0.00	0.0	5.363	0.005	0	0	0	1
PL.30080	PD.4140	C	#1/0 ACSR	7.21Y	120.2	0.00	4.77	1.24	1	9	3	95	0.00	0.0	5.414	0.051	9	3	1	1
PL.29944	PL.29884	ABC	#1/0 ACSR	7.21Y	120.2	0.02	4.79	29.99	13	622	184	96	0.09	0.0	5.397	0.039	1	0	1	140
PL.29945	PL.29944	ABC	#1/0 ACSR	7.21Y	120.1	0.07	4.86	29.92	13	621	183	96	0.30	0.0	5.526	0.128	4	1	2	139
PL.29942	PL.29945	ABC	#1/0 ACSR	7.21Y	120.1	0.01	4.87	29.70	13	616	182	96	0.06	0.0	5.552	0.026	0	0	1	137

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Balanced Voltage Drop Report
Source: Greenhall

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.29943	PL.29942	ABC	#1/0 ACSR	7.21Y	120.1	0.04	4.91	29.70	13	616	181	96	0.16	0.0	5.619	0.068	0	0	0	136
PL.30037	PL.29943	A	#4 ACSR	7.21Y	120.1	0.00	4.91	0.28	0	2	1	89	0.00	0.0	5.624	0.005	0	0	0	1
PD.4119	PL.30037	A	30T	7.21Y	120.1	0.00	4.91	0.28	0	2	1	89	0.00	0.0	5.624	0.005	0	0	0	1
PL.30038	PD.4119	A	#4 ACSR	7.21Y	120.1	0.00	4.91	0.28	0	2	1	89	0.00	0.0	5.655	0.031	2	1	1	1
PL.29946	PL.29943	ABC	#1/0 ACSR	7.20Y	120.0	0.04	4.95	29.61	13	614	181	96	0.18	0.0	5.698	0.079	3	1	1	135
PL.29947	PL.29946	ABC	#1/0 ACSR	7.20Y	120.0	0.08	5.03	29.46	13	611	180	96	0.34	0.1	5.846	0.147	0	0	0	134
PL.29819	PL.29947	ABC	#1/0 ACSR	7.20Y	119.9	0.03	5.06	29.35	13	608	179	96	0.12	0.0	5.899	0.053	0	0	0	132
PL.30041	PL.29819	C	6 A (CWC)	7.20Y	119.9	0.00	5.06	1.92	1	13	4	96	0.00	0.0	5.903	0.005	0	0	0	3
PD.4121	PL.30041	C	30T	7.20Y	119.9	0.00	5.06	1.92	0	13	4	96	0.00	0.0	5.903	0.005	0	0	0	3
PL.30042	PD.4121	C	6 A (CWC)	7.20Y	119.9	0.01	5.07	1.92	1	13	4	96	0.00	0.0	6.003	0.099	6	2	2	3
PL.29729	PL.30042	C	#1/0 ACSR	7.20Y	119.9	0.00	5.07	1.08	0	7	2	96	0.00	0.0	6.084	0.081	7	2	1	1
PL.29820	PL.29819	ABC	#1/0 ACSR	7.19Y	119.9	0.04	5.10	28.71	12	595	175	96	0.19	0.0	5.984	0.085	0	0	0	129
PL.29862	PL.29820	ABC	#1/0 ACSR	7.19Y	119.8	0.08	5.18	28.71	12	594	175	96	0.32	0.1	6.130	0.147	0	0	0	129
PL.29821	PL.29862	ABC	#1/0 ACSR	7.19Y	119.8	0.06	5.24	28.55	12	591	173	96	0.24	0.0	6.241	0.110	0	0	0	127
PL.29973	PL.29821	ABC	#1/0 ACSR	7.18Y	119.7	0.03	5.27	18.36	8	380	111	96	0.09	0.0	6.345	0.104	17	5	2	82
PL.29974	PL.29973	ABC	#1/0 ACSR	7.18Y	119.7	0.03	5.30	17.55	8	363	106	96	0.07	0.0	6.435	0.089	0	0	0	80
PL.29864	PL.29974	ABC	#1/0 ACSR	7.18Y	119.7	0.04	5.34	17.55	8	363	106	96	0.10	0.0	6.555	0.120	0	0	0	80
PL.30055	PL.29864	C	#4 ACSR	7.18Y	119.7	0.00	5.34	0.96	1	7	2	96	0.00	0.0	6.559	0.005	0	0	0	1
PD.4128	PL.30055	C	30T	7.18Y	119.7	0.00	5.34	0.96	0	7	2	96	0.00	0.0	6.559	0.005	0	0	0	1
PL.30056	PD.4128	C	#4 ACSR	7.18Y	119.7	0.00	5.34	0.96	1	7	2	96	0.00	0.0	6.570	0.011	0	0	0	1
PL.29975	PL.30056	C	#4 ACSR	7.18Y	119.7	0.00	5.34	0.96	1	7	2	96	0.00	0.0	6.628	0.057	7	2	1	1
PL.29976	PL.29975	C	#4 ACSR	7.18Y	119.7	0.00	5.34	0.00	0	0	0	100	0.00	0.0	6.657	0.029	0	0	0	0
PL.29827	PL.29864	ABC	#1/0 ACSR	7.18Y	119.7	0.01	5.35	17.23	7	356	104	96	0.02	0.0	6.580	0.025	0	0	0	79
PL.29828	PL.29827	ABC	#1/0 ACSR	7.18Y	119.6	0.03	5.37	16.07	7	332	97	96	0.06	0.0	6.669	0.089	0	0	0	77
PL.29885	PL.29828	ABC	#1/0 ACSR	7.18Y	119.6	0.04	5.41	15.97	7	330	97	96	0.09	0.0	6.799	0.130	0	0	0	75
PL.29887	PL.29885	ABC	#1/0 ACSR	7.17Y	119.6	0.02	5.43	15.58	7	322	94	96	0.04	0.0	6.864	0.065	0	0	0	72
PL.30061	PL.29887	A	#2 ACSR	7.17Y	119.6	0.00	5.43	3.19	2	22	6	96	0.00	0.0	6.869	0.005	0	0	0	2
PD.4131	PL.30061	A	30T	7.17Y	119.6	0.00	5.43	3.19	0	22	6	96	0.00	0.0	6.869	0.005	0	0	0	2
PL.30062	PD.4131	A	#2 ACSR	7.17Y	119.6	0.00	5.43	3.19	2	22	6	96	0.00	0.0	6.894	0.025	22	6	2	2
PL.29888	PL.29887	ABC	#1/0 ACSR	7.17Y	119.5	0.03	5.45	14.52	6	300	88	96	0.05	0.0	6.961	0.097	0	0	0	70
PL.29964	PL.29888	ABC	#1/0 ACSR	7.17Y	119.5	0.02	5.47	13.30	6	275	80	96	0.04	0.0	7.040	0.079	8	2	1	63

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Balanced Voltage Drop Report
Source: Greenhall

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.29965	PL.29964	ABC	#1/0 ACSR	7.17Y	119.5	0.03	5.50	12.94	6	267	78	96	0.05	0.0	7.149	0.109	10	3	2	62
PL.29966	PL.29965	ABC	#1/0 ACSR	7.17Y	119.5	0.01	5.50	12.47	5	257	75	96	0.01	0.0	7.175	0.026	6	2	1	60
PL.29830	PL.29966	ABC	#1/0 ACSR	7.17Y	119.5	0.02	5.53	10.91	5	225	66	96	0.04	0.0	7.289	0.115	0	0	0	48
PL.30069	PL.29830	ABC	#4 ACSR	7.17Y	119.5	0.00	5.53	0.00	0	0	0	100	0.00	0.0	7.294	0.005	0	0	0	1
PD.4135	PL.30069	ABC	30T	7.17Y	119.5	0.00	5.53	0.00	0	0	0	100	0.00	0.0	7.294	0.005	0	0	0	1
PL.30070	PD.4135	ABC	#4 ACSR	7.17Y	119.5	0.00	5.53	0.00	0	0	0	100	0.00	0.0	7.422	0.128	0	0	1	1
PL.29831	PL.29830	ABC	#1/0 ACSR	7.17Y	119.5	0.01	5.54	10.91	5	225	66	96	0.02	0.0	7.355	0.065	0	0	0	47
PL.29832	PL.29831	ABC	#1/0 ACSR	7.17Y	119.4	0.01	5.55	10.52	5	217	63	96	0.02	0.0	7.414	0.059	3	1	1	45
PL.30093	PL.29832	B	6 A (CWC)	7.17Y	119.4	0.00	5.56	26.88	19	185	54	96	0.00	0.0	7.417	0.003	0	0	0	35
PD.4150	PL.30093	B	50L	7.17Y	119.4	0.00	5.56	26.88	54	185	54	96	0.00	0.0	7.417	0.003	0	0	0	35
PL.30094	PD.4150	B	6 A (CWC)	7.16Y	119.3	0.15	5.71	26.88	19	185	54	96	0.22	0.1	7.542	0.125	0	0	0	35
PL.29971	PL.30094	B	6 A (CWC)	7.15Y	119.2	0.08	5.79	26.88	19	185	54	96	0.11	0.1	7.607	0.065	5	1	1	35
PL.29743	PL.29971	B	6 A (CWC)	7.15Y	119.2	0.00	5.79	0.00	0	0	0	100	0.00	0.0	7.701	0.094	0	0	0	1
PL.29744	PL.29743	B	#2 ACSR	7.15Y	119.2	0.00	5.79	0.00	0	0	0	100	0.00	0.0	7.731	0.031	0	0	1	1
PL.29833	PL.29971	B	6 A (CWC)	7.15Y	119.1	0.09	5.88	24.31	17	167	49	96	0.12	0.1	7.690	0.083	0	0	0	32
PL.29834	PL.29833	B	6 A (CWC)	7.14Y	119.0	0.12	6.00	22.46	16	154	45	96	0.14	0.1	7.808	0.118	0	0	0	30
PL.29867	PL.29834	B	6 A (CWC)	7.13Y	118.8	0.15	6.15	22.46	16	154	45	96	0.18	0.1	7.952	0.144	0	0	0	30
PL.29745	PL.29867	B	6 A (CWC)	7.13Y	118.8	0.09	6.24	12.36	9	85	25	96	0.06	0.1	8.107	0.155	3	1	1	16
PL.29990	PL.29745	B	6 A (CWC)	7.13Y	118.8	0.01	6.25	4.65	3	32	9	96	0.00	0.0	8.161	0.054	17	5	2	5
PL.29991	PL.29990	B	6 A (CWC)	7.13Y	118.8	0.00	6.25	2.21	2	15	4	97	0.00	0.0	8.181	0.021	0	0	0	3
PL.30063	PL.29991	B	#1/0 ACSR	7.13Y	118.8	0.00	6.25	0.51	0	4	1	97	0.00	0.0	8.186	0.005	0	0	0	1
PD.4132	PL.30063	B	20T	7.13Y	118.8	0.00	6.25	0.51	0	4	1	97	0.00	0.0	8.186	0.005	0	0	0	1
PL.30064	PD.4132	B	#1/0 ACSR	7.13Y	118.8	0.00	6.25	0.51	0	4	1	97	0.00	0.0	8.196	0.010	4	1	1	1
PL.29992	PL.29991	B	6 A (CWC)	7.12Y	118.7	0.00	6.25	1.69	1	12	3	97	0.00	0.0	8.217	0.035	7	2	1	2
PL.29993	PL.29992	B	6 A (CWC)	7.12Y	118.7	0.00	6.25	0.70	0	5	1	98	0.00	0.0	8.283	0.066	5	1	1	1
PL.29985	PL.29745	B	#4 ACSR	7.12Y	118.7	0.01	6.25	7.32	6	50	15	96	0.01	0.0	8.147	0.040	0	0	0	10
PL.29986	PL.29985	B	#4 ACSR	7.12Y	118.7	0.01	6.26	7.32	6	50	15	96	0.00	0.0	8.177	0.030	8	2	1	10
PL.29987	PL.29986	B	#4 ACSR	7.12Y	118.7	0.01	6.27	6.18	5	42	12	96	0.00	0.0	8.219	0.042	16	5	5	9
PL.29890	PL.29987	B	#4 ACSR	7.12Y	118.7	0.01	6.28	2.04	2	14	4	96	0.00	0.0	8.283	0.063	0	0	0	2
PL.29788	PL.29890	B	#4 ACSR	7.12Y	118.7	0.00	6.28	0.79	1	5	2	93	0.00	0.0	8.346	0.063	5	2	1	1
PL.29747	PL.29890	B	#4 ACSR	7.12Y	118.7	0.00	6.28	1.24	1	9	2	98	0.00	0.0	8.327	0.045	9	2	1	1

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Balanced Voltage Drop Report
Source: Greenhall

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.29746	PL.29987	B	#4 ACSR	7.12Y	118.7	0.01	6.28	1.82	1	12	4	95	0.00	0.0	8.345	0.126	12	4	2	2
PL.29835	PL.29867	B	6 A (CWC)	7.13Y	118.8	0.05	6.20	10.10	7	69	20	96	0.03	0.0	8.063	0.111	0	0	0	14
PL.29836	PL.29835	B	6 A (CWC)	7.12Y	118.7	0.05	6.25	9.01	6	62	18	96	0.02	0.0	8.185	0.122	5	1	2	13
PL.29749	PL.29836	B	#2 ACSR	7.12Y	118.7	0.00	6.25	0.12	0	1	0	100	0.00	0.0	8.265	0.080	1	0	1	1
PL.29994	PL.29836	B	6 A (CWC)	7.12Y	118.7	0.03	6.28	8.18	6	56	16	96	0.01	0.0	8.260	0.075	0	0	0	10
PL.29995	PL.29994	B	6 A (CWC)	7.12Y	118.7	0.03	6.30	8.18	6	56	16	96	0.01	0.0	8.335	0.075	12	4	2	10
PL.29751	PL.29995	B	#2 ACSR	7.12Y	118.7	0.00	6.31	1.34	1	9	3	95	0.00	0.0	8.391	0.056	9	3	2	2
PL.29996	PL.29995	B	6 A (CWC)	7.12Y	118.7	0.00	6.31	2.37	2	16	5	95	0.00	0.0	8.403	0.067	12	4	2	3
PL.29997	PL.29996	B	6 A (CWC)	7.12Y	118.7	0.00	6.31	0.56	0	4	1	97	0.00	0.0	8.455	0.052	0	0	0	1
PL.29869	PL.29997	B	6 A (CWC)	7.12Y	118.7	0.00	6.31	0.00	0	0	0	100	0.00	0.0	8.458	0.003	0	0	0	0
PD.11609-A	PL.29869	B	Open	7.12Y	118.7	0.00	6.31	0.00	0	0	0	100	0.00	0.0	8.458	0.003	0	0	0	0
PL.29750	PL.29997	B	#1/0 ACSR	7.12Y	118.7	0.00	6.31	0.56	0	4	1	97	0.00	0.0	8.496	0.041	4	1	1	1
PL.29752	PL.29995	B	#4 ACSR	7.12Y	118.7	0.00	6.31	2.64	2	18	5	96	0.00	0.0	8.346	0.011	0	0	0	3
PL.29988	PL.29752	B	#4 ACSR	7.12Y	118.7	0.00	6.31	2.64	2	18	5	96	0.00	0.0	8.395	0.049	11	3	2	3
PL.29989	PL.29988	B	#4 ACSR	7.12Y	118.7	0.00	6.31	1.02	1	7	2	96	0.00	0.0	8.423	0.028	7	2	1	1
PL.29748	PL.29835	B	#2 ACSR	7.13Y	118.8	0.00	6.20	1.10	1	8	2	97	0.00	0.0	8.097	0.034	8	2	1	1
PL.29983	PL.29833	B	#1/0 ACSR	7.15Y	119.1	0.00	5.88	1.85	1	13	4	96	0.00	0.0	7.767	0.077	6	2	1	2
PL.29984	PL.29983	B	#1/0 ACSR	7.15Y	119.1	0.00	5.88	1.01	0	7	2	96	0.00	0.0	7.808	0.042	7	2	1	1
PL.29742	PL.29971	B	#1/0 ACSR	7.15Y	119.2	0.00	5.79	1.91	1	13	4	96	0.00	0.0	7.620	0.013	13	4	1	1
PL.30085	PL.29832	C	6 A (CWC)	7.17Y	119.4	0.00	5.55	4.31	3	30	9	96	0.00	0.0	7.419	0.005	0	0	0	9
PD.4144	PL.30085	C	30T	7.17Y	119.4	0.00	5.55	4.31	0	30	9	96	0.00	0.0	7.419	0.005	0	0	0	9
PL.30086	PD.4144	C	6 A (CWC)	7.17Y	119.4	0.01	5.57	4.31	3	30	9	96	0.00	0.0	7.495	0.076	0	0	0	9
PL.29969	PL.30086	C	6 A (CWC)	7.16Y	119.4	0.02	5.58	4.31	3	30	9	96	0.00	0.0	7.592	0.098	8	2	3	9
PL.29970	PL.29969	C	6 A (CWC)	7.16Y	119.4	0.02	5.60	3.17	2	22	6	96	0.00	0.0	7.709	0.117	0	0	0	6
PL.29866	PL.29970	C	6 A (CWC)	7.16Y	119.4	0.01	5.61	3.17	2	22	6	96	0.00	0.0	7.788	0.079	10	3	1	6
PL.29739	PL.29866	C	#1/0 ACSR	7.16Y	119.4	0.00	5.61	0.64	0	4	1	97	0.00	0.0	7.953	0.164	0	0	0	3
PL.29740	PL.29739	C	#1/0 ACSR	7.16Y	119.4	0.00	5.61	0.64	0	4	1	97	0.00	0.0	8.090	0.138	0	0	0	3
PL.29741	PL.29740	C	#1/0 ACSR	7.16Y	119.4	0.00	5.62	0.62	0	4	1	97	0.00	0.0	8.173	0.083	4	1	2	2
PL.30047	PL.29740	C	#1/0 ACSR	7.16Y	119.4	0.00	5.61	0.02	0	0	0	100	0.00	0.0	8.095	0.005	0	0	0	1
PD.4124	PL.30047	C	20T	7.16Y	119.4	0.00	5.61	0.02	0	0	0	100	0.00	0.0	8.095	0.005	0	0	0	1
PL.30048	PD.4124	C	#1/0 ACSR	7.16Y	119.4	0.00	5.61	0.02	0	0	0	100	0.00	0.0	8.131	0.036	0	0	1	1

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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.29837	PL.29739	C	#1/0 ACSR	7.16Y	119.4	0.00	5.61	0.00	0	0	0	100	0.00	0.0	7.982	0.029	0	0	0	0
PL.29967	PL.29866	C	#1/0 ACSR	7.16Y	119.4	0.00	5.61	1.14	0	8	2	97	0.00	0.0	7.873	0.085	8	2	1	2
PL.29968	PL.29967	C	#1/0 ACSR	7.16Y	119.4	0.00	5.61	0.00	0	0	0	100	0.00	0.0	7.983	0.109	0	0	1	1
PL.30087	PL.29832	ABC	#1/0 ACSR	7.17Y	119.4	0.00	5.55	0.00	0	0	0	100	0.00	0.0	7.491	0.077	0	0	0	0
PD.4145-A	PL.30087	ABC	Open	7.17Y	119.4	0.00	5.55	0.00	0	0	0	100	0.00	0.0	7.491	0.077	0	0	0	0
PL.30049	PL.29831	B	6 A (CWC)	7.17Y	119.5	0.00	5.54	1.18	1	8	2	97	0.00	0.0	7.359	0.005	0	0	0	2
PD.4125	PL.30049	B	30T	7.17Y	119.5	0.00	5.54	1.18	0	8	2	97	0.00	0.0	7.359	0.005	0	0	0	2
PL.30050	PD.4125	B	6 A (CWC)	7.17Y	119.5	0.00	5.54	1.18	1	8	2	97	0.00	0.0	7.444	0.085	8	2	2	2
PL.30045	PL.29966	C	#4 ACSR	7.17Y	119.5	0.00	5.50	0.81	1	6	2	95	0.00	0.0	7.179	0.005	0	0	0	1
PD.4123	PL.30045	C	30T	7.17Y	119.5	0.00	5.50	0.81	0	6	2	95	0.00	0.0	7.179	0.005	0	0	0	1
PL.30046	PD.4123	C	#4 ACSR	7.17Y	119.5	0.00	5.51	0.81	1	6	2	95	0.00	0.0	7.248	0.069	6	2	1	1
PL.29963	PL.30046	C	#4 ACSR	7.17Y	119.5	0.00	5.51	0.00	0	0	0	100	0.00	0.0	7.332	0.083	0	0	0	0
PL.29865	PL.29963	C	#4 ACSR	7.17Y	119.5	0.00	5.51	0.00	0	0	0	100	0.00	0.0	7.476	0.144	0	0	0	0
PL.29737	PL.29966	A	#4 ACSR	7.17Y	119.5	0.00	5.51	3.02	2	21	6	96	0.00	0.0	7.179	0.005	0	0	0	10
PD.4143	PL.29737	A	30T	7.17Y	119.5	0.00	5.51	3.02	0	21	6	96	0.00	0.0	7.179	0.005	0	0	0	10
PL.29889	PD.4143	A	#4 ACSR	7.17Y	119.5	0.01	5.51	2.64	2	18	5	96	0.00	0.0	7.244	0.064	0	0	1	9
PL.30014	PL.29889	A	#4 ACSR	7.17Y	119.5	0.00	5.52	2.64	2	18	5	96	0.00	0.0	7.286	0.043	10	3	4	8
PL.29738	PL.30014	A	#1/0 ACSR	7.17Y	119.5	0.00	5.52	1.20	1	8	2	97	0.00	0.0	7.366	0.079	8	2	4	4
PL.29829	PD.4143	A	#4 ACSR	7.17Y	119.5	0.00	5.51	0.38	0	3	1	95	0.00	0.0	7.215	0.035	3	1	1	1
PL.30043	PL.29888	A	#1/0 ACSR	7.17Y	119.5	0.00	5.45	0.00	0	0	0	100	0.00	0.0	6.965	0.005	0	0	0	0
PD.4122	PL.30043	A	30T	7.17Y	119.5	0.00	5.45	0.00	0	0	0	100	0.00	0.0	6.965	0.005	0	0	0	0
PL.30044	PD.4122	A	#1/0 ACSR	7.17Y	119.5	0.00	5.45	0.00	0	0	0	100	0.00	0.0	7.009	0.043	0	0	0	0
PL.30083	PL.29888	C	6 A (CWC)	7.17Y	119.5	0.00	5.46	3.64	3	25	7	96	0.00	0.0	6.966	0.005	0	0	0	7
PD.4142	PL.30083	C	30T	7.17Y	119.5	0.00	5.46	3.64	0	25	7	96	0.00	0.0	6.966	0.005	0	0	0	7
PL.30084	PD.4142	C	6 A (CWC)	7.17Y	119.5	0.00	5.46	3.64	3	25	7	96	0.00	0.0	7.015	0.049	25	7	7	7
PL.30059	PL.29885	C	#2 ACSR	7.18Y	119.6	0.00	5.41	1.16	1	8	2	97	0.00	0.0	6.804	0.005	0	0	0	3
PD.4130	PL.30059	C	30T	7.18Y	119.6	0.00	5.41	1.16	0	8	2	97	0.00	0.0	6.804	0.005	0	0	0	3
PL.30060	PD.4130	C	#2 ACSR	7.18Y	119.6	0.00	5.41	1.16	1	8	2	97	0.00	0.0	6.827	0.023	0	0	0	3
PL.29961	PL.30060	C	#1/0 ACSR	7.18Y	119.6	0.00	5.41	1.16	1	8	2	97	0.00	0.0	6.870	0.043	0	0	1	3
PL.29962	PL.29961	C	#1/0 ACSR	7.18Y	119.6	0.00	5.41	1.16	1	8	2	97	0.00	0.0	6.922	0.052	8	2	2	2
PL.30057	PL.29828	C	#4 ACSR	7.18Y	119.6	0.00	5.37	0.30	0	2	1	89	0.00	0.0	6.673	0.005	0	0	0	2

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

Balanced Voltage Drop Report
Source: Greenhall

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.4129	PL.30057	C	30T	7.18Y	119.6	0.00	5.37	0.30	0	2	1	89	0.00	0.0	6.673	0.005	0	0	0	2	
	PL.30058	PD.4129	C	#4 ACSR	7.18Y	119.6	0.00	5.37	0.30	0	2	1	89	0.00	0.0	6.727	0.053	0	0	1	2	
	PL.29982	PL.30058	C	#4 ACSR	7.18Y	119.6	0.00	5.37	0.30	0	2	1	89	0.00	0.0	6.790	0.063	2	1	1	1	
	PL.30053	PL.29827	C	#1/0 ACSR	7.18Y	119.7	0.00	5.35	3.48	2	24	7	96	0.00	0.0	6.585	0.005	0	0	0	2	
	PD.4127	PL.30053	C	30T	7.18Y	119.7	0.00	5.35	3.48	0	24	7	96	0.00	0.0	6.585	0.005	0	0	0	2	
	PL.30054	PD.4127	C	#1/0 ACSR	7.18Y	119.7	0.00	5.35	3.48	2	24	7	96	0.00	0.0	6.605	0.020	24	7	2	2	
	PL.30095	PL.29821	C	6 A (CWC)	7.19Y	119.8	0.00	5.24	29.67	21	205	60	96	0.01	0.0	6.244	0.003	0	0	0	44	
C	PD.4151	PL.30095	C	35L	7.19Y	119.8	0.00	5.24	29.67	85	205	60	96	0.00	0.0	6.244	0.003	0	0	0	44	C
	PL.30096	PD.4151	C	6 A (CWC)	7.17Y	119.6	0.19	5.43	29.67	21	205	60	96	0.30	0.1	6.383	0.139	0	0	1	44	
	PL.29972	PL.30096	C	6 A (CWC)	7.17Y	119.5	0.06	5.50	29.66	21	204	60	96	0.10	0.0	6.430	0.048	8	2	1	43	
	PL.29978	PL.29972	C	6 A (CWC)	7.16Y	119.4	0.13	5.63	28.56	20	197	58	96	0.19	0.1	6.533	0.103	12	4	2	42	
	PL.29979	PL.29978	C	6 A (CWC)	7.16Y	119.3	0.09	5.71	26.75	19	184	54	96	0.12	0.1	6.606	0.073	10	3	3	40	
	PL.29977	PL.29979	C	6 A (CWC)	7.15Y	119.2	0.04	5.76	24.98	18	172	50	96	0.06	0.0	6.645	0.039	0	0	0	36	
	PL.29980	PL.29977	C	6 A (CWC)	7.15Y	119.1	0.12	5.88	24.98	18	172	50	96	0.16	0.1	6.751	0.106	0	0	2	36	
	PL.29981	PL.29980	C	6 A (CWC)	7.14Y	119.1	0.07	5.95	24.98	18	171	50	96	0.09	0.1	6.811	0.060	0	0	0	34	
	PL.29954	PL.29981	C	6 A (CWC)	7.14Y	118.9	0.10	6.05	24.98	18	171	50	96	0.14	0.1	6.901	0.090	2	1	1	34	
	PL.29955	PL.29954	C	6 A (CWC)	7.13Y	118.9	0.05	6.10	24.64	18	169	49	96	0.07	0.0	6.945	0.044	0	0	0	33	
	PL.29733	PL.29955	C	6 A (CWC)	7.13Y	118.8	0.11	6.21	23.46	17	161	47	96	0.14	0.1	7.048	0.103	0	0	1	31	
	PL.29735	PL.29733	C	6 A (CWC)	7.12Y	118.7	0.10	6.31	22.93	16	157	46	96	0.12	0.1	7.140	0.093	0	0	0	28	
	PL.30003	PL.29735	C	6 A (CWC)	7.12Y	118.6	0.05	6.36	22.93	16	157	46	96	0.06	0.0	7.186	0.046	0	0	0	28	
	PL.30004	PL.30003	C	6 A (CWC)	7.11Y	118.6	0.06	6.42	22.93	16	157	46	96	0.07	0.0	7.244	0.058	8	2	1	28	
	PL.29825	PL.30004	C	6 A (CWC)	7.11Y	118.5	0.08	6.50	13.96	10	95	28	96	0.06	0.1	7.369	0.125	3	1	1	19	
	PL.30008	PL.29825	C	6 A (CWC)	7.11Y	118.5	0.01	6.51	3.14	2	21	6	96	0.00	0.0	7.478	0.109	9	3	2	4	
	PL.30009	PL.30008	C	6 A (CWC)	7.11Y	118.5	0.00	6.51	1.87	1	13	4	96	0.00	0.0	7.570	0.093	13	4	2	2	
	PL.30012	PL.29825	C	6 A (CWC)	7.11Y	118.5	0.02	6.51	10.43	7	71	21	96	0.01	0.0	7.404	0.035	5	1	1	14	
	PL.30013	PL.30012	C	6 A (CWC)	7.11Y	118.5	0.03	6.55	9.77	7	67	19	96	0.02	0.0	7.482	0.079	7	2	1	13	
	PL.29754	PL.30013	C	#4 ACSR	7.11Y	118.4	0.01	6.56	6.72	5	46	13	96	0.01	0.0	7.530	0.047	0	0	0	9	
	PL.29756	PL.29754	C	#2 ACSR	7.11Y	118.4	0.00	6.56	0.00	0	0	0	100	0.00	0.0	7.553	0.023	0	0	0	0	
	PL.30067	PL.29754	C	#1/0 ACSR	7.11Y	118.4	0.00	6.56	0.90	0	6	2	95	0.00	0.0	7.558	0.028	0	0	0	2	
	PD.4134	PL.30067	C	15T	7.11Y	118.4	0.00	6.56	0.90	0	6	2	95	0.00	0.0	7.558	0.028	0	0	0	2	
	PL.30068	PD.4134	C	#1/0 ACSR	7.11Y	118.4	0.00	6.56	0.90	0	6	2	95	0.00	0.0	7.657	0.099	6	2	2	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.29755	PL.29754	C	#2 ACSR	7.11Y	118.4	0.00	6.56	1.72	1	12	3	97	0.00	0.0	7.587	0.057	12	3	1	1
PL.29826	PL.29754	C	#4 ACSR	7.11Y	118.4	0.02	6.58	4.10	3	28	8	96	0.00	0.0	7.644	0.114	4	1	1	6
PL.29998	PL.29826	C	#2 ACSR	7.11Y	118.4	0.00	6.58	2.59	1	18	5	96	0.00	0.0	7.684	0.039	9	3	1	3
PL.29999	PL.29998	C	#2 ACSR	7.11Y	118.4	0.00	6.58	1.31	1	9	3	95	0.00	0.0	7.731	0.048	8	2	1	2
PL.30000	PL.29999	C	#2 ACSR	7.11Y	118.4	0.00	6.58	0.11	0	1	0	100	0.00	0.0	7.801	0.070	1	0	1	1
PL.29757	PL.29826	C	#4 ACSR	7.11Y	118.4	0.00	6.58	0.97	1	7	2	96	0.00	0.0	7.717	0.073	7	2	2	2
PL.30001	PL.30013	C	#4 ACSR	7.11Y	118.5	0.00	6.55	1.99	2	14	4	96	0.00	0.0	7.501	0.019	14	4	2	3
PL.30002	PL.30001	C	#4 ACSR	7.11Y	118.5	0.00	6.55	0.00	0	0	0	100	0.00	0.0	7.626	0.124	0	0	1	1
PL.29753	PL.30004	C	6 A (CWC)	7.11Y	118.6	0.03	6.45	7.87	6	54	16	96	0.01	0.0	7.327	0.083	0	0	0	8
PL.30005	PL.29753	C	#4 ACSR	7.11Y	118.5	0.02	6.46	7.87	6	54	16	96	0.01	0.0	7.382	0.055	7	2	1	8
PL.30006	PL.30005	C	#4 ACSR	7.11Y	118.5	0.04	6.50	6.90	5	47	14	96	0.01	0.0	7.511	0.130	1	0	1	7
PL.30007	PL.30006	C	#4 ACSR	7.11Y	118.5	0.01	6.52	6.72	5	46	13	96	0.00	0.0	7.551	0.040	5	2	1	6
PL.29758	PL.30007	C	#4 ACSR	7.11Y	118.5	0.00	6.52	1.41	1	10	3	96	0.00	0.0	7.634	0.082	10	3	1	1
PL.29824	PL.30007	C	#4 ACSR	7.11Y	118.5	0.02	6.53	4.51	3	31	9	96	0.00	0.0	7.631	0.080	2	1	1	4
PL.29785	PL.29824	C	#4 ACSR	7.11Y	118.5	0.00	6.53	0.00	0	0	0	100	0.00	0.0	7.679	0.048	0	0	0	0
PL.29883	PL.29824	C	#4 ACSR	7.11Y	118.5	0.02	6.55	4.17	3	28	8	96	0.00	0.0	7.730	0.099	0	0	0	3
PL.29786	PL.29883	C	#4 ACSR	7.11Y	118.4	0.01	6.56	1.16	1	8	2	97	0.00	0.0	7.857	0.126	0	0	0	1
PL.29863	PL.29786	C	#4 ACSR	7.11Y	118.4	0.00	6.56	1.16	1	8	2	97	0.00	0.0	7.998	0.141	8	2	1	1
PL.30010	PL.29883	C	#4 ACSR	7.11Y	118.4	0.01	6.56	3.00	2	21	6	96	0.00	0.0	7.838	0.107	14	4	1	2
PL.30011	PL.30010	C	#4 ACSR	7.11Y	118.4	0.00	6.56	0.91	1	6	2	95	0.00	0.0	7.922	0.085	6	2	1	1
PL.29787	PL.30011	C	#2 ACSR	7.11Y	118.4	0.00	6.56	0.00	0	0	0	100	0.00	0.0	7.997	0.075	0	0	0	0
PL.29868	PL.30011	C	#4 ACSR	7.11Y	118.4	0.00	6.56	0.00	0	0	0	100	0.00	0.0	7.926	0.003	0	0	0	0
PD.4146-A	PL.29868	C	Open	7.11Y	118.4	0.00	6.56	0.00	0	0	0	100	0.00	0.0	7.926	0.003	0	0	0	0
PL.29734	PL.29733	C	6 A (CWC)	7.13Y	118.8	0.00	6.21	0.53	0	4	1	97	0.00	0.0	7.113	0.065	4	1	2	2
PL.29736	PL.29733	C	#4 ACSR	7.13Y	118.8	0.00	6.21	0.00	0	0	0	100	0.00	0.0	7.083	0.035	0	0	0	0
PL.29823	PL.29955	C	6 A (CWC)	7.13Y	118.9	0.00	6.10	1.17	1	8	2	97	0.00	0.0	6.983	0.038	8	2	2	2
PL.29731	PL.29979	C	6 A (CWC)	7.16Y	119.3	0.00	5.71	0.28	0	2	1	89	0.00	0.0	6.658	0.052	0	0	0	1
PL.29822	PL.29731	C	6 A (CWC)	7.16Y	119.3	0.00	5.71	0.00	0	0	0	100	0.00	0.0	6.735	0.077	0	0	0	0
PL.29732	PL.29731	C	#2 ACSR	7.16Y	119.3	0.00	5.71	0.28	0	2	1	89	0.00	0.0	6.706	0.048	2	1	1	1
PL.29730	PL.29979	C	#2 ACSR	7.16Y	119.3	0.00	5.71	0.00	0	0	0	100	0.00	0.0	6.638	0.032	0	0	0	0
PL.30081	PL.29821	C	6 A (CWC)	7.19Y	119.8	0.00	5.24	0.89	1	6	2	95	0.00	0.0	6.245	0.005	0	0	0	1

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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
PD.4141	PL.30081	C	30T	7.19Y	119.8	0.00	5.24	0.89	0	6	2	95	0.00	0.0	6.245	0.005	0	0	0	1
PL.30082	PD.4141	C	6 A (CWC)	7.19Y	119.8	0.00	5.24	0.89	1	6	2	95	0.00	0.0	6.297	0.052	6	2	1	1
PL.30051	PL.29862	C	#4 ACSR	7.19Y	119.8	0.00	5.18	0.47	0	3	1	95	0.00	0.0	6.135	0.005	0	0	0	2
PD.4126	PL.30051	C	30T	7.19Y	119.8	0.00	5.18	0.47	0	3	1	95	0.00	0.0	6.135	0.005	0	0	0	2
PL.30052	PD.4126	C	#4 ACSR	7.19Y	119.8	0.00	5.18	0.47	0	3	1	95	0.00	0.0	6.308	0.172	3	1	1	2
PL.29960	PL.30052	C	#4 ACSR	7.19Y	119.8	0.00	5.18	0.00	0	0	0	100	0.00	0.0	6.423	0.115	0	0	1	1
PL.30039	PL.29947	A	#4 ACSR	7.20Y	120.0	0.00	5.03	0.35	0	2	1	89	0.00	0.0	5.850	0.005	0	0	0	2
PD.4120	PL.30039	A	30T	7.20Y	120.0	0.00	5.03	0.35	0	2	1	89	0.00	0.0	5.850	0.005	0	0	0	2
PL.30040	PD.4120	A	#4 ACSR	7.20Y	120.0	0.00	5.03	0.35	0	2	1	89	0.00	0.0	5.894	0.044	2	1	1	2
PL.29728	PL.30040	A	#2 ACSR	7.20Y	120.0	0.00	5.03	0.00	0	0	0	100	0.00	0.0	5.943	0.048	0	0	1	1
PL.30035	PL.29813	A	#1/0 ACSR	7.23Y	120.5	0.00	4.45	0.17	0	1	0	100	0.00	0.0	4.881	0.004	0	0	0	1
PD.4118	PL.30035	A	65T	7.23Y	120.5	0.00	4.45	0.17	0	1	0	100	0.00	0.0	4.881	0.004	0	0	0	1
PL.30036	PD.4118	A	#1/0 ACSR	7.23Y	120.5	0.00	4.45	0.17	0	1	0	100	0.00	0.0	4.926	0.045	1	0	1	1
PL.29685	PL.29812	A	#1/0 ACSR	7.24Y	120.6	0.00	4.38	0.48	0	3	1	95	0.00	0.0	4.802	0.014	3	1	1	1
PL.30065	PL.29810	A	6 A (CWC)	7.26Y	121.1	0.00	3.92	0.19	0	1	0	100	0.00	0.0	4.184	0.005	0	0	0	3
PD.4133	PL.30065	A	65T	7.26Y	121.1	0.00	3.92	0.19	0	1	0	100	0.00	0.0	4.184	0.005	0	0	0	3
PL.30066	PD.4133	A	6 A (CWC)	7.26Y	121.1	0.00	3.92	0.19	0	1	0	100	0.00	0.0	4.242	0.058	1	0	3	3
PL.29718	PL.29852	ABC	#1/0 ACSR	7.29Y	121.6	0.00	3.43	1.16	1	24	7	96	0.00	0.0	3.585	0.019	0	0	0	5
PL.29784	PL.29718	A	6 A (CWC)	7.29Y	121.6	0.00	3.43	3.49	2	24	7	96	0.00	0.0	3.590	0.005	0	0	0	5
PD.4109	PL.29784	A	65T	7.29Y	121.6	0.00	3.43	3.49	0	24	7	96	0.00	0.0	3.590	0.005	0	0	0	5
PL.30016	PD.4109	A	6 A (CWC)	7.29Y	121.6	0.02	3.45	3.49	2	24	7	96	0.00	0.0	3.692	0.102	0	0	0	5
PL.29853	PL.30016	A	6 A (CWC)	7.29Y	121.5	0.01	3.46	3.49	2	24	7	96	0.00	0.0	3.784	0.091	0	0	0	5
PL.29808	PL.29853	A	6 A (CWC)	7.29Y	121.5	0.01	3.47	2.32	2	16	5	95	0.00	0.0	3.860	0.076	7	2	1	3
PL.29682	PL.29808	A	6 A (CWC)	7.29Y	121.5	0.01	3.48	1.33	1	9	3	95	0.00	0.0	4.004	0.144	0	0	0	2
PL.29855	PL.29682	A	6 A (CWC)	7.29Y	121.5	0.01	3.48	1.33	1	9	3	95	0.00	0.0	4.110	0.105	0	0	0	2
PL.29681	PL.29855	A	#4 ACSR	7.29Y	121.5	0.00	3.48	1.33	1	9	3	95	0.00	0.0	4.138	0.028	9	3	2	2
PL.29719	PL.29855	A	6 A (CWC)	7.29Y	121.5	0.00	3.48	0.00	0	0	0	100	0.00	0.0	4.269	0.159	0	0	0	0
PL.29856	PL.29719	A	6 A (CWC)	7.29Y	121.5	0.00	3.48	0.00	0	0	0	100	0.00	0.0	4.421	0.152	0	0	0	0
PL.29914	PL.29853	A	6 A (CWC)	7.29Y	121.5	0.01	3.47	1.17	1	8	2	97	0.00	0.0	3.905	0.121	0	0	0	2
PL.29915	PL.29914	A	6 A (CWC)	7.29Y	121.5	0.00	3.47	1.17	1	8	2	97	0.00	0.0	3.959	0.053	2	1	1	2
PL.29911	PL.29915	A	6 A (CWC)	7.29Y	121.5	0.00	3.47	0.85	1	6	2	95	0.00	0.0	4.058	0.099	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
PL.29854	PL.29911	A	6 A (CWC)	7.29Y	121.5	0.00	3.48	0.85	1	6	2	95	0.00	0.0	4.155	0.097	6	2	1	1
PL.29683	PL.29854	A	#2 ACSR	7.29Y	121.5	0.00	3.48	0.00	0	0	0	100	0.00	0.0	4.209	0.054	0	0	0	0
PL.29778	PL.29802	A	#1/0 ACSR	7.32Y	122.1	0.00	2.93	1.39	1	10	3	96	0.00	0.0	2.985	0.004	0	0	0	2
PD.4106	PL.29778	A	65T	7.32Y	122.1	0.00	2.93	1.39	0	10	3	96	0.00	0.0	2.985	0.004	0	0	0	2
PL.29779	PD.4106	A	#1/0 ACSR	7.32Y	122.1	0.00	2.93	1.39	1	10	3	96	0.00	0.0	3.042	0.057	10	3	2	2
PL.29908	PL.29702	A	6 A (CWC)	7.33Y	122.2	0.07	2.85	12.59	9	89	26	96	0.05	0.1	2.934	0.124	4	1	1	19
PL.29782	PL.29908	A	6 A (CWC)	7.33Y	122.1	0.00	2.85	12.01	9	84	25	96	0.00	0.0	2.938	0.005	0	0	0	18
PD.4108	PL.29782	A	65T	7.33Y	122.1	0.00	2.85	12.01	0	84	25	96	0.00	0.0	2.938	0.005	0	0	0	18
PL.29783	PD.4108	A	6 A (CWC)	7.33Y	122.1	0.05	2.90	12.01	9	84	25	96	0.03	0.0	3.030	0.092	12	4	1	18
PL.29909	PL.29783	A	6 A (CWC)	7.32Y	122.1	0.02	2.92	10.27	7	72	21	96	0.01	0.0	3.081	0.051	0	0	1	17
PL.29910	PL.29909	A	6 A (CWC)	7.32Y	122.0	0.03	2.96	10.22	7	72	21	96	0.02	0.0	3.156	0.074	0	0	0	16
PL.29706	PL.29910	A	#4 ACSR	7.32Y	122.0	0.00	2.96	1.44	1	10	3	96	0.00	0.0	3.205	0.050	10	3	1	1
PL.29707	PL.29910	A	#4 ACSR	7.32Y	122.0	0.00	2.96	0.02	0	0	0	100	0.00	0.0	3.342	0.186	0	0	1	1
PL.29803	PL.29910	A	6 A (CWC)	7.32Y	122.0	0.05	3.01	8.75	6	62	18	96	0.02	0.0	3.274	0.118	0	0	0	14
PL.29846	PL.29803	A	6 A (CWC)	7.32Y	122.0	0.04	3.04	8.75	6	62	18	96	0.02	0.0	3.368	0.093	1	0	1	14
PL.29708	PL.29846	A	#4 ACSR	7.32Y	122.0	0.01	3.05	1.26	1	9	3	95	0.00	0.0	3.549	0.182	9	3	1	1
PL.29804	PL.29846	A	6 A (CWC)	7.31Y	121.9	0.06	3.10	7.36	5	52	15	96	0.02	0.0	3.544	0.176	0	0	0	12
PL.29847	PL.29804	A	6 A (CWC)	7.31Y	121.9	0.03	3.13	7.36	5	52	15	96	0.01	0.0	3.618	0.074	0	0	0	12
PL.29870	PL.29847	A	6 A (CWC)	7.31Y	121.8	0.04	3.17	7.36	5	52	15	96	0.02	0.0	3.741	0.122	0	0	0	12
PL.29805	PL.29870	A	6 A (CWC)	7.31Y	121.8	0.04	3.21	6.36	5	45	13	96	0.01	0.0	3.862	0.122	0	0	0	11
PL.29848	PL.29805	A	6 A (CWC)	7.31Y	121.8	0.03	3.23	6.36	5	45	13	96	0.01	0.0	3.957	0.095	0	0	0	11
PL.29886	PL.29848	A	6 A (CWC)	7.30Y	121.7	0.05	3.28	6.36	5	45	13	96	0.02	0.0	4.114	0.157	0	0	0	11
PL.29710	PL.29886	A	6 A (CWC)	7.30Y	121.7	0.00	3.28	0.38	0	3	1	95	0.00	0.0	4.135	0.020	3	1	1	1
PL.30029	PL.29886	A	6 A (CWC)	7.30Y	121.7	0.03	3.31	5.98	4	42	12	96	0.01	0.0	4.224	0.110	0	0	0	10
PL.30030	PL.30029	A	6 A (CWC)	7.30Y	121.7	0.00	3.31	5.98	4	42	12	96	0.00	0.0	4.229	0.004	0	0	0	10
PL.29921	PL.30030	A	6 A (CWC)	7.30Y	121.7	0.02	3.33	5.98	4	42	12	96	0.01	0.0	4.293	0.064	0	0	1	9
PL.29922	PL.29921	A	6 A (CWC)	7.30Y	121.6	0.02	3.35	5.98	4	42	12	96	0.01	0.0	4.393	0.100	8	2	1	8
PL.29916	PL.29922	A	6 A (CWC)	7.30Y	121.6	0.03	3.38	4.78	3	34	10	96	0.01	0.0	4.537	0.144	0	0	0	7
PL.29711	PL.29916	A	6 A (CWC)	7.30Y	121.6	0.02	3.40	4.33	3	30	9	96	0.00	0.0	4.629	0.093	0	0	0	6
PL.29849	PL.29711	A	6 A (CWC)	7.29Y	121.6	0.03	3.43	4.33	3	30	9	96	0.01	0.0	4.786	0.156	0	0	0	6
PL.29850	PL.29849	A	6 A (CWC)	7.29Y	121.5	0.03	3.46	4.33	3	30	9	96	0.01	0.0	4.914	0.128	0	0	0	6

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Balanced Voltage Drop Report
Source: Greenhall

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.29919	PL.29850	A	6 A (CWC)	7.29Y	121.5	0.01	3.47	4.19	3	29	9	96	0.00	0.0	5.003	0.090	12	3	1	4
PL.29920	PL.29919	A	6 A (CWC)	7.29Y	121.5	0.01	3.48	2.47	2	17	5	96	0.00	0.0	5.094	0.090	0	0	0	3
PL.29713	PL.29920	A	6 A (CWC)	7.29Y	121.5	0.00	3.48	0.90	1	6	2	95	0.00	0.0	5.167	0.073	6	2	1	1
PL.29958	PL.29920	A	6 A (CWC)	7.29Y	121.5	0.01	3.49	1.57	1	11	3	96	0.00	0.0	5.260	0.167	0	0	0	2
PL.29959	PL.29958	A	6 A (CWC)	7.29Y	121.5	0.01	3.50	1.57	1	11	3	96	0.00	0.0	5.373	0.113	3	1	1	2
PL.29956	PL.29959	A	#4 ACSR	7.29Y	121.5	0.00	3.50	0.00	0	0	0	100	0.00	0.0	5.559	0.186	0	0	0	0
PL.29957	PL.29956	A	#4 ACSR	7.29Y	121.5	0.00	3.50	0.00	0	0	0	100	0.00	0.0	5.709	0.150	0	0	0	0
PL.29714	PL.29959	A	#4 ACSR	7.29Y	121.5	0.00	3.50	1.13	1	8	2	97	0.00	0.0	5.488	0.115	8	2	1	1
PL.29917	PL.29850	A	6 A (CWC)	7.29Y	121.5	0.00	3.46	0.14	0	1	0	100	0.00	0.0	5.101	0.187	0	0	1	2
PL.29918	PL.29917	A	6 A (CWC)	7.29Y	121.5	0.00	3.46	0.14	0	1	0	100	0.00	0.0	5.151	0.050	1	0	1	1
PL.29712	PL.29916	A	6 A (CWC)	7.30Y	121.6	0.00	3.39	0.46	0	3	1	95	0.00	0.0	4.700	0.163	0	0	0	1
PL.29716	PL.29712	A	#1/0 ACSR	7.30Y	121.6	0.00	3.39	0.46	0	3	1	95	0.00	0.0	4.820	0.120	3	1	1	1
PL.30027	PL.30030	A	#1/0 ACSR	7.30Y	121.7	0.00	3.31	0.00	0	0	0	100	0.00	0.0	4.233	0.005	0	0	0	1
PD.4115	PL.30027	A	40T	7.30Y	121.7	0.00	3.31	0.00	0	0	0	100	0.00	0.0	4.233	0.005	0	0	0	1
PL.30028	PD.4115	A	#1/0 ACSR	7.30Y	121.7	0.00	3.31	0.00	0	0	0	100	0.00	0.0	4.273	0.039	0	0	1	1
PL.29709	PL.29870	A	#4 ACSR	7.31Y	121.8	0.00	3.17	1.00	1	7	2	96	0.00	0.0	3.902	0.161	7	2	1	1
PL.29780	PL.29800	C	#1/0 ACSR	7.34Y	122.4	0.00	2.64	1.76	1	12	4	95	0.00	0.0	2.671	0.005	0	0	0	2
PD.4107	PL.29780	C	65T	7.34Y	122.4	0.00	2.64	1.76	0	12	4	95	0.00	0.0	2.671	0.005	0	0	0	2
PL.29781	PD.4107	C	#1/0 ACSR	7.34Y	122.4	0.00	2.64	1.76	1	12	4	95	0.00	0.0	2.705	0.034	12	4	2	2
PL.30073	PL.29800	A	#1/0 ACSR	7.34Y	122.4	0.00	2.64	1.60	1	11	3	96	0.00	0.0	2.671	0.005	0	0	0	1
PD.4137	PL.30073	A	65T	7.34Y	122.4	0.00	2.64	1.60	0	11	3	96	0.00	0.0	2.671	0.005	0	0	0	1
PL.30074	PD.4137	A	#1/0 ACSR	7.34Y	122.4	0.00	2.65	1.60	1	11	3	96	0.00	0.0	2.774	0.103	11	3	1	1
PL.29776	PL.29798	C	#1/0 ACSR	7.35Y	122.5	0.00	2.53	1.16	1	8	2	97	0.00	0.0	2.555	0.004	0	0	0	1
PD.4104	PL.29776	C	65T	7.35Y	122.5	0.00	2.53	1.16	0	8	2	97	0.00	0.0	2.555	0.004	0	0	0	1
PL.29777	PD.4104	C	#1/0 ACSR	7.35Y	122.5	0.00	2.53	1.16	1	8	2	97	0.00	0.0	2.595	0.040	8	2	1	1
PL.29774	PL.29796	A	6 A (CWC)	7.36Y	122.6	0.00	2.35	0.00	0	0	0	100	0.00	0.0	2.373	0.005	0	0	0	1
PD.4103	PL.29774	A	65T	7.36Y	122.6	0.00	2.35	0.00	0	0	0	100	0.00	0.0	2.373	0.005	0	0	0	1
PL.29775	PD.4103	A	6 A (CWC)	7.36Y	122.6	0.00	2.35	0.00	0	0	0	100	0.00	0.0	2.432	0.058	0	0	1	1
PL.29699	PL.29794	C	#1/0 ACSR	7.37Y	122.9	0.00	2.12	1.08	0	8	2	97	0.00	0.0	2.153	0.016	8	2	1	1
PL.30025	PL.29845	C	#1/0 ACSR	7.38Y	123.0	0.00	1.97	2.22	1	16	5	95	0.00	0.0	1.994	0.005	0	0	0	4
PD.4114	PL.30025	C	65T	7.38Y	123.0	0.00	1.97	2.22	0	16	5	95	0.00	0.0	1.994	0.005	0	0	0	4

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Balanced Voltage Drop Report
Source: Greenhall

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.30026	PD.4114	C	#1/0 ACSR	7.38Y	123.0	0.00	1.97	2.22	1	16	5	95	0.00	0.0	2.066	0.072	11	3	1	4
PL.29901	PL.30026	C	#1/0 ACSR	7.38Y	123.0	0.00	1.98	0.74	0	5	2	93	0.00	0.0	2.198	0.132	0	0	0	3
PL.29698	PL.29901	C	#1/0 ACSR	7.38Y	123.0	0.00	1.98	0.00	0	0	0	100	0.00	0.0	2.277	0.080	0	0	1	1
PL.29793	PL.29901	C	#1/0 ACSR	7.38Y	123.0	0.00	1.98	0.74	0	5	2	93	0.00	0.0	2.378	0.180	5	2	2	2
PL.29768	PL.29789	A	6 A (CWC)	7.41Y	123.5	0.00	1.51	0.56	0	4	1	97	0.00	0.0	1.544	0.005	0	0	0	2
PD.4100	PL.29768	A	65T	7.41Y	123.5	0.00	1.51	0.56	0	4	1	97	0.00	0.0	1.544	0.005	0	0	0	2
PL.29769	PD.4100	A	6 A (CWC)	7.41Y	123.5	0.00	1.51	0.56	0	4	1	97	0.00	0.0	1.551	0.008	0	0	0	2
PL.29697	PL.29769	A	6 A (CWC)	7.41Y	123.5	0.00	1.51	0.41	0	3	1	95	0.00	0.0	1.638	0.086	3	1	1	1
PL.29791	PL.29769	A	6 A (CWC)	7.41Y	123.5	0.00	1.51	0.15	0	1	0	100	0.00	0.0	1.682	0.130	0	0	0	1
PL.29899	PL.29791	A	6 A (CWC)	7.41Y	123.5	0.00	1.51	0.15	0	1	0	100	0.00	0.0	1.761	0.080	1	0	1	1
PL.29900	PL.29899	A	6 A (CWC)	7.41Y	123.5	0.00	1.51	0.00	0	0	0	100	0.00	0.0	1.855	0.094	0	0	0	0
PL.29762	PL.29871	A	#1/0 ACSR	7.44Y	124.0	0.00	1.03	0.97	0	7	2	96	0.00	0.0	1.080	0.005	0	0	0	1
PD.4097	PL.29762	A	65T	7.44Y	124.0	0.00	1.03	0.97	0	7	2	96	0.00	0.0	1.080	0.005	0	0	0	1
PL.29763	PD.4097	A	#1/0 ACSR	7.44Y	124.0	0.00	1.03	0.97	0	7	2	96	0.00	0.0	1.093	0.013	7	2	1	1
PL.31444	Greenhall	ABC	636 SPACER	7.50Y	125.0	0.00	0.00	110.26	20	2345	809	95	0.01	0.0	0.009	0.009	0	0	0	566
PL.32688	PL.31444	ABC	636 SPACER	7.50Y	125.0	0.00	0.01	110.26	20	2345	809	95	0.00	0.0	0.013	0.003	0	0	0	566
---------- Feeder No. 3 (New Zion F3) Beginning with Device PD.5288 ----------																				
PD.5288	PL.32688	ABC	480VWE	7.50Y	125.0	0.00	0.01	110.26	0	2345	809	95	0.00	0.0	0.013	0.003	0	0	0	566
PL.32689	PD.5288	ABC	636 SPACER	7.50Y	125.0	0.00	0.01	110.26	20	2345	809	95	0.01	0.0	0.019	0.006	0	0	0	566
PL.31938	PL.32689	ABC	636 SPACER	7.50Y	124.9	0.05	0.06	110.26	20	2345	809	95	0.15	0.0	0.144	0.126	0	0	0	566
PL.30500	PL.31938	ABC	#1/0 ACSR	7.48Y	124.7	0.27	0.33	110.26	48	2345	806	95	4.22	0.2	0.275	0.130	0	0	0	566
PL.31359	PL.30500	ABC	#1/0 ACSR	7.47Y	124.4	0.25	0.58	110.26	48	2341	802	95	3.94	0.2	0.396	0.122	0	0	0	566
PL.30501	PL.31359	ABC	#1/0 ACSR	7.45Y	124.2	0.18	0.75	110.26	48	2337	798	95	2.79	0.1	0.483	0.086	0	0	0	566
PL.31360	PL.30501	ABC	#1/0 ACSR	7.44Y	124.0	0.24	1.00	110.26	48	2334	795	95	3.86	0.2	0.602	0.119	0	0	0	566
PL.31851	PL.31360	ABC	#1/0 ACSR	7.43Y	123.8	0.19	1.18	106.07	46	2240	765	95	2.84	0.1	0.696	0.095	1	0	1	532
PL.31852	PL.31851	ABC	#1/0 ACSR	7.42Y	123.7	0.12	1.30	106.01	46	2236	762	95	1.83	0.1	0.758	0.061	7	2	1	531
PL.31071	PL.31852	ABC	#1/0 ACSR	7.41Y	123.5	0.20	1.50	105.70	46	2228	759	95	3.05	0.1	0.860	0.102	0	0	0	530
PL.31450	PL.31071	ABC	#1/0 ACSR	7.40Y	123.3	0.18	1.68	105.70	46	2225	756	95	2.72	0.1	0.951	0.091	0	0	0	530
PL.31072	PL.31450	ABC	#1/0 ACSR	7.39Y	123.2	0.09	1.77	105.63	46	2221	753	95	1.35	0.1	0.997	0.045	0	0	0	524

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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.31317	PL.31072	ABC	#1/0 ACSR	7.38Y	123.0	0.18	1.96	104.05	45	2186	742	95	2.76	0.1	1.092	0.096	0	0	0	515
PL.31453	PL.31317	ABC	#1/0 ACSR	7.37Y	122.8	0.19	2.15	104.05	45	2183	739	95	2.90	0.1	1.193	0.101	0	0	0	515
PL.31074	PL.31453	ABC	#1/0 ACSR	7.36Y	122.7	0.17	2.32	104.05	45	2180	736	95	2.49	0.1	1.279	0.086	0	0	0	515
PL.31454	PL.31074	ABC	#1/0 ACSR	7.35Y	122.5	0.15	2.47	104.05	45	2177	734	95	2.21	0.1	1.356	0.076	0	0	0	515
PL.31455	PL.31454	ABC	#1/0 ACSR	7.34Y	122.4	0.18	2.64	104.05	45	2175	732	95	2.65	0.1	1.448	0.092	0	0	0	515
PL.31456	PL.31455	ABC	#1/0 ACSR	7.33Y	122.1	0.24	2.89	104.05	45	2173	729	95	3.64	0.2	1.574	0.126	0	0	0	515
PL.31079	PL.31456	ABC	#1/0 ACSR	7.32Y	121.9	0.19	3.08	104.05	45	2169	726	95	2.85	0.1	1.673	0.099	0	0	0	515
PL.32113	PL.31079	A	#2 ACSR	7.32Y	121.9	0.00	3.08	0.17	0	1	0	100	0.00	0.0	1.677	0.005	0	0	0	1
PD.4362	PL.32113	A	65T	7.32Y	121.9	0.00	3.08	0.17	0	1	0	100	0.00	0.0	1.677	0.005	0	0	0	1
PL.32114	PD.4362	A	#2 ACSR	7.32Y	121.9	0.00	3.08	0.17	0	1	0	100	0.00	0.0	1.726	0.049	1	0	1	1
PL.31853	PL.32114	A	#2 ACSR	7.32Y	121.9	0.00	3.08	0.00	0	0	0	100	0.00	0.0	1.831	0.105	0	0	0	0
PL.31736	PL.31079	ABC	#1/0 ACSR	7.30Y	121.6	0.29	3.37	104.00	45	2165	723	95	4.39	0.2	1.825	0.152	0	0	0	514
PL.31737	PL.31736	ABC	#1/0 ACSR	7.29Y	121.5	0.14	3.51	103.56	45	2151	716	95	2.07	0.1	1.897	0.072	0	0	1	513
PL.32117	PL.31737	A	#2 ACSR	7.29Y	121.5	0.00	3.51	0.89	1	6	2	95	0.00	0.0	1.902	0.005	0	0	0	3
PD.4364	PL.32117	A	65T	7.29Y	121.5	0.00	3.51	0.89	0	6	2	95	0.00	0.0	1.902	0.005	0	0	0	3
PL.32118	PD.4364	A	#2 ACSR	7.29Y	121.5	0.00	3.51	0.89	1	6	2	95	0.00	0.0	1.952	0.050	0	0	0	3
PL.31457	PL.32118	A	#4 ACSR	7.29Y	121.5	0.00	3.51	0.89	1	6	2	95	0.00	0.0	2.030	0.078	0	0	0	3
PL.31081	PL.31457	A	#4 ACSR	7.29Y	121.5	0.00	3.52	0.89	1	6	2	95	0.00	0.0	2.150	0.121	6	2	1	3
PL.31765	PL.31081	A	#4 ACSR	7.29Y	121.5	0.00	3.52	0.03	0	0	0	100	0.00	0.0	2.328	0.178	0	0	1	2
PL.31766	PL.31765	A	#4 ACSR	7.29Y	121.5	0.00	3.52	0.01	0	0	0	100	0.00	0.0	2.439	0.111	0	0	1	1
PL.31309	PL.31737	ABC	#1/0 ACSR	7.27Y	121.1	0.34	3.85	103.26	45	2143	712	95	5.12	0.2	2.077	0.180	0	0	0	509
PL.31080	PL.31309	ABC	#1/0 ACSR	7.25Y	120.9	0.24	4.09	103.26	45	2138	707	95	3.53	0.2	2.202	0.124	0	0	0	509
PL.31767	PL.31080	ABC	#1/0 ACSR	7.25Y	120.8	0.15	4.24	103.26	45	2134	704	95	2.24	0.1	2.281	0.079	0	0	0	509
PL.31768	PL.31767	ABC	#1/0 ACSR	7.24Y	120.6	0.13	4.38	103.26	45	2132	702	95	1.99	0.1	2.351	0.070	0	0	0	509
PL.32119	PL.31768	A	#1/0 ACSR	7.24Y	120.6	0.00	4.38	0.89	0	6	2	95	0.00	0.0	2.356	0.005	0	0	0	1
PD.4365	PL.32119	A	65T	7.24Y	120.6	0.00	4.38	0.89	0	6	2	95	0.00	0.0	2.356	0.005	0	0	0	1
PL.32120	PD.4365	A	#1/0 ACSR	7.24Y	120.6	0.00	4.38	0.89	0	6	2	95	0.00	0.0	2.406	0.051	6	2	1	1
PL.31854	PL.31768	ABC	#1/0 ACSR	7.22Y	120.4	0.21	4.58	102.96	45	2124	698	95	3.09	0.1	2.460	0.109	0	0	0	508
PL.31855	PL.31854	ABC	#1/0 ACSR	7.21Y	120.2	0.24	4.82	102.96	45	2121	695	95	3.56	0.2	2.586	0.126	0	0	0	508
PL.31458	PL.31855	ABC	#1/0 ACSR	7.20Y	120.0	0.19	5.01	102.96	45	2117	692	95	2.77	0.1	2.685	0.098	0	0	0	508
PL.31459	PL.31458	ABC	#1/0 ACSR	7.18Y	119.7	0.29	5.30	102.96	45	2114	689	95	4.29	0.2	2.837	0.152	0	0	0	508

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Balanced Voltage Drop Report
Source: Greenhall

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.31460	PL.31459	ABC	#1/0 ACSR	7.18Y	119.6	0.12	5.41	102.96	45	2110	685	95	1.72	0.1	2.897	0.061	0	0	0	508
PL.31308	PL.31460	ABC	#1/0 ACSR	7.17Y	119.4	0.15	5.56	102.96	45	2108	683	95	2.19	0.1	2.975	0.078	0	0	0	508
PL.31307	PL.31308	ABC	#1/0 ACSR	7.16Y	119.4	0.07	5.63	102.34	44	2093	677	95	1.09	0.1	3.014	0.039	0	0	0	506
PL.31082	PL.31307	ABC	#1/0 ACSR	7.16Y	119.3	0.09	5.73	102.34	44	2092	676	95	1.37	0.1	3.063	0.049	0	0	0	506
PL.32125	PL.31082	A	#2 ACSR	7.16Y	119.3	0.00	5.73	1.05	1	7	2	96	0.00	0.0	3.068	0.005	0	0	0	3
PD.4368	PL.32125	A	65T	7.16Y	119.3	0.00	5.73	1.05	0	7	2	96	0.00	0.0	3.068	0.005	0	0	0	3
PL.32126	PD.4368	A	#2 ACSR	7.16Y	119.3	0.00	5.73	1.05	1	7	2	96	0.00	0.0	3.084	0.017	7	2	1	3
PL.31770	PL.32126	A	#2 ACSR	7.16Y	119.3	0.00	5.73	0.01	0	0	0	100	0.00	0.0	3.119	0.034	0	0	1	2
PL.31083	PL.31770	A	#2 ACSR	7.16Y	119.3	0.00	5.73	0.01	0	0	0	100	0.00	0.0	3.197	0.078	0	0	1	1
PL.31306	PL.31082	ABC	#1/0 ACSR	7.15Y	119.2	0.08	5.80	101.99	44	2084	673	95	1.11	0.1	3.103	0.040	0	0	0	503
PL.32130	PL.31306	C	#2 ACSR	7.15Y	119.2	0.00	5.80	0.63	0	4	1	97	0.00	0.0	3.108	0.005	0	0	0	1
PD.4370	PL.32130	C	65T	7.15Y	119.2	0.00	5.80	0.63	0	4	1	97	0.00	0.0	3.108	0.005	0	0	0	1
PL.32129	PD.4370	C	#2 ACSR	7.15Y	119.2	0.00	5.80	0.63	0	4	1	97	0.00	0.0	3.273	0.166	4	1	1	1
PL.32127	PL.31306	A	#2 ACSR	7.15Y	119.2	0.00	5.80	1.05	1	7	2	96	0.00	0.0	3.108	0.005	0	0	0	1
PD.4369	PL.32127	A	65T	7.15Y	119.2	0.00	5.80	1.05	0	7	2	96	0.00	0.0	3.108	0.005	0	0	0	1
PL.32128	PD.4369	A	#2 ACSR	7.15Y	119.2	0.00	5.80	1.05	1	7	2	96	0.00	0.0	3.155	0.048	7	2	1	1
PL.31743	PL.31306	ABC	#1/0 ACSR	7.15Y	119.1	0.08	5.89	101.43	44	2071	668	95	1.22	0.1	3.148	0.045	0	0	0	501
PL.31953	PL.31743	C	#1/0 ACSR	7.15Y	119.1	0.00	5.89	1.21	1	8	2	97	0.00	0.0	3.152	0.005	0	0	0	1
PD.4278	PL.31953	C	65T	7.15Y	119.1	0.00	5.89	1.21	0	8	2	97	0.00	0.0	3.152	0.005	0	0	0	1
PL.31954	PD.4278	C	#1/0 ACSR	7.15Y	119.1	0.00	5.89	1.21	1	8	2	97	0.00	0.0	3.156	0.004	8	2	1	1
PL.31744	PL.31743	ABC	#1/0 ACSR	7.13Y	118.9	0.20	6.09	101.03	44	2062	665	95	2.98	0.1	3.258	0.110	5	1	1	500
PL.31598	PL.31744	ABC	#1/0 ACSR	7.12Y	118.7	0.19	6.28	100.79	44	2054	661	95	2.71	0.1	3.358	0.100	0	0	0	499
PL.31599	PL.31598	ABC	#1/0 ACSR	7.12Y	118.7	0.07	6.35	100.79	44	2051	658	95	1.00	0.0	3.395	0.037	0	0	0	499
PL.32131	PL.31599	A	#4 ACSR	7.12Y	118.7	0.00	6.35	1.64	1	11	3	96	0.00	0.0	3.400	0.005	0	0	0	2
PD.4371	PL.32131	A	65T	7.12Y	118.7	0.00	6.35	1.64	0	11	3	96	0.00	0.0	3.400	0.005	0	0	0	2
PL.32132	PD.4371	A	#4 ACSR	7.12Y	118.6	0.01	6.35	1.64	1	11	3	96	0.00	0.0	3.515	0.116	0	0	0	2
PL.31934	PL.32132	A	#4 ACSR	7.12Y	118.6	0.01	6.36	1.64	1	11	3	96	0.00	0.0	3.667	0.151	10	3	1	2
PL.31935	PL.31934	A	#4 ACSR	7.12Y	118.6	0.00	6.36	0.13	0	1	0	100	0.00	0.0	3.771	0.105	1	0	1	1
PL.32133	PL.31599	C	#2 ACSR	7.12Y	118.7	0.00	6.35	0.39	0	3	1	95	0.00	0.0	3.399	0.005	0	0	0	2
PD.4372	PL.32133	C	65T	7.12Y	118.7	0.00	6.35	0.39	0	3	1	95	0.00	0.0	3.399	0.005	0	0	0	2
PL.32134	PD.4372	C	#2 ACSR	7.12Y	118.7	0.00	6.35	0.39	0	3	1	95	0.00	0.0	3.557	0.158	3	1	2	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.31856	PL.31599	ABC	#1/0 ACSR	7.10Y	118.3	0.32	6.67	100.11	44	2036	653	95	4.68	0.2	3.570	0.175	0	0	0	495
PL.31857	PL.31856	ABC	#1/0 ACSR	7.09Y	118.2	0.12	6.79	100.11	44	2031	649	95	1.80	0.1	3.637	0.067	0	0	0	495
PL.31084	PL.31857	ABC	#1/0 ACSR	7.09Y	118.1	0.10	6.90	100.11	44	2030	647	95	1.51	0.1	3.694	0.057	0	0	0	495
PL.31305	PL.31084	ABC	#1/0 ACSR	7.08Y	118.1	0.05	6.94	100.11	44	2028	645	95	0.66	0.0	3.719	0.025	0	0	0	495
RG.34	PL.31305	ABC	167Kkva	7.46Y	124.3	-6.21	0.73	100.11	46	2027	645	95	percent Boost= 5.00 Tap= 8.0							495
PL.31085	RG.34	ABC	#1/0 ACSR	7.46Y	124.3	0.00	0.73	95.11	41	2027	645	95	0.03	0.0	3.720	0.001	0	0	0	495
PL.31600	PL.31085	ABC	#1/0 ACSR	7.44Y	124.1	0.20	0.93	95.11	41	2027	645	95	2.72	0.1	3.833	0.113	2	1	4	495
PL.31601	PL.31600	ABC	#1/0 ACSR	7.43Y	123.9	0.19	1.12	95.00	41	2022	641	95	2.57	0.1	3.940	0.107	0	0	0	491
PL.31461	PL.31601	ABC	#1/0 ACSR	7.42Y	123.7	0.21	1.33	95.00	41	2020	639	95	2.91	0.1	4.061	0.121	0	0	0	491
PL.31304	PL.31461	ABC	#1/0 ACSR	7.41Y	123.4	0.24	1.57	94.91	41	2015	636	95	3.32	0.2	4.200	0.139	7	2	1	490
PL.32039	PL.31304	C	#2 ACSR	7.41Y	123.4	0.00	1.57	3.59	2	26	7	97	0.00	0.0	4.204	0.004	0	0	0	3
PD.4325	PL.32039	C	65T	7.41Y	123.4	0.00	1.57	3.59	0	26	7	97	0.00	0.0	4.204	0.004	0	0	0	3
PL.32040	PD.4325	C	#2 ACSR	7.41Y	123.4	0.00	1.57	3.59	2	26	7	97	0.00	0.0	4.242	0.038	8	2	1	3
PL.31086	PL.32040	C	#2 ACSR	7.41Y	123.4	0.00	1.57	0.58	0	4	1	97	0.00	0.0	4.307	0.065	4	1	1	1
PL.31087	PL.32040	C	6 A (CWC)	7.41Y	123.4	0.01	1.58	1.91	1	14	4	96	0.00	0.0	4.362	0.120	0	0	0	1
PL.31462	PL.31087	C	6 A (CWC)	7.40Y	123.4	0.00	1.59	1.91	1	14	4	96	0.00	0.0	4.456	0.094	14	4	1	1
PL.31088	PL.31462	C	#4 ACSR	7.40Y	123.4	0.00	1.59	0.00	0	0	0	100	0.00	0.0	4.523	0.067	0	0	0	0
PD.4146-B	PL.31088	C	Open	7.40Y	123.4	0.00	1.59	0.00	0	0	0	100	0.00	0.0	4.523	0.067	0	0	0	0
PL.31303	PL.31304	ABC	#1/0 ACSR	7.40Y	123.3	0.17	1.74	93.40	41	1979	623	95	2.36	0.1	4.301	0.101	0	0	0	486
PL.31463	PL.31303	ABC	#1/0 ACSR	7.38Y	123.0	0.23	1.97	93.40	41	1977	621	95	3.12	0.2	4.435	0.134	0	0	0	486
PL.31302	PL.31463	ABC	#1/0 ACSR	7.37Y	122.9	0.14	2.11	92.85	40	1962	614	95	1.84	0.1	4.515	0.080	0	0	0	485
PL.31089	PL.31302	ABC	#1/0 ACSR	7.37Y	122.9	0.04	2.15	92.85	40	1960	613	95	0.50	0.0	4.537	0.022	0	0	0	485
PL.32165	PL.31089	ABC	#1/0 ACSR	7.36Y	122.7	0.13	2.27	92.85	40	1960	612	95	1.72	0.1	4.612	0.075	0	0	0	485
PD.4389-A	PL.32165	ABC	Closed	7.36Y	122.7	0.00	2.27	92.85	0	1958	611	95	0.00	0.0	4.612	0.075	0	0	0	485
PD.4389-B	PD.4389-A	ABC	Closed	7.36Y	122.7	0.00	2.27	92.85	0	1958	611	95	0.00	0.0	4.612	0.075	0	0	0	485
PL.32166	PD.4389-B	ABC	#1/0 ACSR	7.36Y	122.7	0.01	2.28	92.85	40	1958	611	95	0.10	0.0	4.617	0.005	0	0	0	485
PL.32169	PL.32166	ABC	#3/0 ACSR	7.36Y	122.7	0.00	2.28	12.53	4	265	80	96	0.00	0.0	4.621	0.005	0	0	0	77
PD.4391-A	PL.32169	ABC	Closed	7.36Y	122.7	0.00	2.28	12.53	0	265	80	96	0.00	0.0	4.621	0.005	0	0	0	77
PD.4391-B	PD.4391-A	ABC	Closed	7.36Y	122.7	0.00	2.28	12.53	0	265	80	96	0.00	0.0	4.621	0.005	0	0	0	77
PL.32170	PD.4391-B	ABC	#3/0 ACSR	7.36Y	122.7	0.01	2.29	12.53	4	265	80	96	0.01	0.0	4.674	0.053	6	2	2	77
PL.31618	PL.32170	ABC	#3/0 ACSR	7.36Y	122.7	0.01	2.30	12.24	4	259	78	96	0.01	0.0	4.716	0.042	5	1	1	75

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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.31619	PL.31618	ABC	#3/0 ACSR	7.36Y	122.7	0.02	2.32	12.03	4	254	77	96	0.03	0.0	4.856	0.141	8	2	1	74
PL.32061	PL.31619	C	#4 ACSR	7.36Y	122.7	0.00	2.32	2.17	2	15	4	97	0.00	0.0	4.861	0.005	0	0	0	2
PD.4335	PL.32061	C	65T	7.36Y	122.7	0.00	2.32	2.17	0	15	4	97	0.00	0.0	4.861	0.005	0	0	0	2
PL.32062	PD.4335	C	#4 ACSR	7.36Y	122.7	0.00	2.32	2.17	2	15	4	97	0.00	0.0	4.925	0.064	6	2	1	2
PL.31090	PL.32062	C	#4 ACSR	7.36Y	122.7	0.00	2.33	1.27	1	9	3	95	0.00	0.0	5.025	0.099	9	3	1	1
PL.31301	PL.31619	ABC	#3/0 ACSR	7.36Y	122.7	0.01	2.33	10.94	4	231	70	96	0.02	0.0	4.935	0.079	0	0	0	71
PL.32057	PL.31301	ABC	#3/0 ACSR	7.36Y	122.7	0.01	2.34	10.94	4	231	70	96	0.02	0.0	5.013	0.078	0	0	0	71
PL.32058	PL.32057	ABC	#3/0 ACSR	7.36Y	122.7	0.00	2.34	10.94	4	231	70	96	0.00	0.0	5.017	0.004	0	0	0	71
PL.31747	PL.32058	ABC	#3/0 ACSR	7.36Y	122.7	0.01	2.35	9.90	3	209	63	96	0.01	0.0	5.086	0.069	1	0	2	66
PL.31748	PL.31747	ABC	#3/0 ACSR	7.36Y	122.6	0.01	2.36	9.03	3	191	58	96	0.01	0.0	5.169	0.083	0	0	0	63
PL.32067	PL.31748	A	#4 ACSR	7.36Y	122.6	0.00	2.36	1.34	1	9	3	95	0.00	0.0	5.173	0.004	0	0	0	2
PD.4338	PL.32067	A	65T	7.36Y	122.6	0.00	2.36	1.34	0	9	3	95	0.00	0.0	5.173	0.004	0	0	0	2
PL.32068	PD.4338	A	#4 ACSR	7.36Y	122.6	0.00	2.36	1.34	1	9	3	95	0.00	0.0	5.219	0.046	9	3	2	2
PL.31749	PL.31748	ABC	#3/0 ACSR	7.36Y	122.6	0.01	2.37	8.59	3	181	55	96	0.01	0.0	5.249	0.080	6	2	2	61
PL.32069	PL.31749	C	#2 ACSR	7.36Y	122.6	0.00	2.37	0.00	0	0	0	100	0.00	0.0	5.253	0.004	0	0	0	0
PD.4339	PL.32069	C	65T	7.36Y	122.6	0.00	2.37	0.00	0	0	0	100	0.00	0.0	5.253	0.004	0	0	0	0
PL.32070	PD.4339	C	#2 ACSR	7.36Y	122.6	0.00	2.37	0.00	0	0	0	100	0.00	0.0	5.295	0.042	0	0	0	0
PL.31858	PL.31749	ABC	#3/0 ACSR	7.36Y	122.6	0.00	2.37	8.31	3	175	54	96	0.00	0.0	5.288	0.039	12	3	1	59
PL.31859	PL.31858	ABC	#3/0 ACSR	7.36Y	122.6	0.00	2.37	7.76	3	164	50	96	0.00	0.0	5.312	0.024	6	2	2	58
PL.31092	PL.31859	ABC	#3/0 ACSR	7.36Y	122.6	0.00	2.38	6.46	2	136	42	96	0.00	0.0	5.353	0.042	0	0	0	53
PL.32075	PL.31092	B	#2 ACSR	7.36Y	122.6	0.00	2.38	0.67	0	5	1	98	0.00	0.0	5.358	0.005	0	0	0	1
PD.4342	PL.32075	B	65T	7.36Y	122.6	0.00	2.38	0.67	0	5	1	98	0.00	0.0	5.358	0.005	0	0	0	1
PL.32076	PD.4342	B	#2 ACSR	7.36Y	122.6	0.00	2.38	0.67	0	5	1	98	0.00	0.0	5.389	0.031	0	0	0	1
PL.31840	PL.32076	B	#2 ACSR	7.36Y	122.6	0.00	2.38	0.67	0	5	1	98	0.00	0.0	5.423	0.034	5	1	1	1
PL.31093	PL.31092	ABC	#3/0 ACSR	7.36Y	122.6	0.01	2.38	6.24	2	132	41	95	0.01	0.0	5.443	0.090	0	0	0	52
PL.31843	PL.31093	ABC	#3/0 ACSR	7.36Y	122.6	0.01	2.39	5.58	2	118	37	95	0.01	0.0	5.549	0.106	2	1	1	36
PL.31844	PL.31843	ABC	#3/0 ACSR	7.36Y	122.6	0.00	2.40	5.48	2	115	36	95	0.00	0.0	5.601	0.052	0	0	0	35
PL.32083	PL.31844	A	#1/0 ACSR	7.36Y	122.6	0.00	2.40	0.51	0	4	1	97	0.00	0.0	5.604	0.004	0	0	0	1
PD.4346	PL.32083	A	65T	7.36Y	122.6	0.00	2.40	0.51	0	4	1	97	0.00	0.0	5.604	0.004	0	0	0	1
PL.32084	PD.4346	A	#1/0 ACSR	7.36Y	122.6	0.00	2.40	0.51	0	4	1	97	0.00	0.0	5.635	0.030	4	1	1	1
PL.31296	PL.31844	ABC	#3/0 ACSR	7.36Y	122.6	0.00	2.40	5.31	2	112	35	95	0.00	0.0	5.639	0.039	1	0	1	34

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Balanced Voltage Drop Report
Source: Greenhall

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.31100	PL.31296	ABC	#3/0 ACSR	7.36Y	122.6	0.01	2.41	5.27	2	111	35	95	0.01	0.0	5.812	0.172	7	2	2	33
PL.32079	PL.31100	B	#4 ACSR	7.36Y	122.6	0.00	2.41	0.27	0	2	1	89	0.00	0.0	5.816	0.004	0	0	0	1
PD.4344	PL.32079	B	65T	7.36Y	122.6	0.00	2.41	0.27	0	2	1	89	0.00	0.0	5.816	0.004	0	0	0	1
PL.32080	PD.4344	B	#4 ACSR	7.36Y	122.6	0.00	2.41	0.27	0	2	1	89	0.00	0.0	5.899	0.083	2	1	1	1
PL.31295	PL.31100	ABC	#3/0 ACSR	7.35Y	122.6	0.01	2.42	4.83	2	102	32	95	0.00	0.0	5.933	0.121	0	0	0	30
PL.32081	PL.31295	A	#4 ACSR	7.35Y	122.6	0.00	2.42	0.32	0	2	1	89	0.00	0.0	5.937	0.005	0	0	0	3
PD.4345	PL.32081	A	65T	7.35Y	122.6	0.00	2.42	0.32	0	2	1	89	0.00	0.0	5.937	0.005	0	0	0	3
PL.32082	PD.4345	A	#4 ACSR	7.35Y	122.6	0.00	2.42	0.32	0	2	1	89	0.00	0.0	6.005	0.068	1	0	2	3
PL.31860	PL.32082	A	#4 ACSR	7.35Y	122.6	0.00	2.42	0.16	0	1	0	100	0.00	0.0	6.063	0.057	1	0	1	1
PL.31101	PL.31295	ABC	#3/0 ACSR	7.35Y	122.6	0.01	2.42	4.73	2	99	31	95	0.00	0.0	6.040	0.108	0	0	0	27
PL.32085	PL.31101	A	#4 ACSR	7.35Y	122.6	0.00	2.42	2.21	2	16	5	95	0.00	0.0	6.045	0.005	0	0	0	6
PD.4347	PL.32085	A	65T	7.35Y	122.6	0.00	2.42	2.21	0	16	5	95	0.00	0.0	6.045	0.005	0	0	0	6
PL.32086	PD.4347	A	#4 ACSR	7.35Y	122.6	0.01	2.43	2.21	2	16	5	95	0.00	0.0	6.121	0.076	8	2	2	6
PL.31845	PL.32086	A	#4 ACSR	7.35Y	122.6	0.00	2.43	1.12	1	8	2	97	0.00	0.0	6.209	0.088	0	0	1	4
PL.31102	PL.31845	A	#4 ACSR	7.35Y	122.6	0.00	2.44	1.10	1	8	2	97	0.00	0.0	6.245	0.036	0	0	0	3
PL.31103	PL.31102	A	#4 ACSR	7.35Y	122.6	0.00	2.44	0.55	0	4	1	97	0.00	0.0	6.262	0.017	4	1	1	1
PL.31104	PL.31102	A	#4 ACSR	7.35Y	122.6	0.00	2.44	0.55	0	4	1	97	0.00	0.0	6.286	0.041	4	1	2	2
PL.31294	PL.31101	ABC	#3/0 ACSR	7.35Y	122.6	0.00	2.43	3.99	1	84	27	95	0.00	0.0	6.130	0.090	0	0	0	21
PL.31466	PL.31294	ABC	#3/0 ACSR	7.35Y	122.6	0.01	2.44	3.99	1	84	27	95	0.00	0.0	6.271	0.141	7	2	1	21
PL.31292	PL.31466	ABC	#3/0 ACSR	7.35Y	122.6	0.00	2.44	3.47	1	73	24	95	0.00	0.0	6.346	0.075	0	0	0	14
PL.31847	PL.31292	ABC	#3/0 ACSR	7.35Y	122.6	0.00	2.44	3.47	1	73	24	95	0.00	0.0	6.409	0.063	7	2	1	14
PL.31846	PL.31847	ABC	#3/0 ACSR	7.35Y	122.6	0.00	2.44	3.15	1	66	22	95	0.00	0.0	6.426	0.017	0	0	0	13
PL.32087	PL.31846	C	#1/0 ACSR	7.35Y	122.6	0.00	2.44	1.22	1	9	3	95	0.00	0.0	6.430	0.005	0	0	0	1
PD.4348	PL.32087	C	65T	7.35Y	122.6	0.00	2.44	1.22	0	9	3	95	0.00	0.0	6.430	0.005	0	0	0	1
PL.32088	PD.4348	C	#1/0 ACSR	7.35Y	122.6	0.00	2.44	1.22	1	9	3	95	0.00	0.0	6.435	0.005	9	3	1	1
PL.31848	PL.31846	ABC	#3/0 ACSR	7.35Y	122.6	0.00	2.44	2.74	1	57	19	95	0.00	0.0	6.456	0.030	1	0	1	12
PL.31937	PL.31848	ABC	#3/0 ACSR	7.35Y	122.6	0.00	2.45	2.70	1	57	19	95	0.00	0.0	6.512	0.056	13	6	1	11
PL.31936	PL.31937	ABC	#3/0 ACSR	7.35Y	122.6	0.00	2.45	2.05	1	43	13	96	0.00	0.0	6.569	0.057	2	1	1	10
PL.31850	PL.31936	ABC	#3/0 ACSR	7.35Y	122.6	0.00	2.45	1.96	1	42	12	96	0.00	0.0	6.622	0.053	6	2	2	9
PL.31849	PL.31850	ABC	#3/0 ACSR	7.35Y	122.6	0.00	2.45	1.69	1	36	10	96	0.00	0.0	6.679	0.056	0	0	0	7
PL.32141	PL.31849	C	#4 ACSR	7.35Y	122.5	0.00	2.45	2.17	2	15	4	97	0.00	0.0	6.683	0.005	0	0	0	2

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Balanced Voltage Drop Report
Source: Greenhall

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.4377	PL.32141	C	65T	7.35Y	122.5	0.00	2.45	2.17	0	15	4	97	0.00	0.0	6.683	0.005	0	0	0	2
PL.32142	PD.4377	C	#4 ACSR	7.35Y	122.5	0.00	2.45	2.17	2	15	4	97	0.00	0.0	6.727	0.044	15	4	2	2
PL.32139	PL.31849	A	#4 ACSR	7.35Y	122.5	0.00	2.45	2.92	2	21	6	96	0.00	0.0	6.683	0.005	0	0	0	5
PD.4376	PL.32139	A	65T	7.35Y	122.5	0.00	2.45	2.92	0	21	6	96	0.00	0.0	6.683	0.005	0	0	0	5
PL.32140	PD.4376	A	#4 ACSR	7.35Y	122.5	0.00	2.45	2.92	2	21	6	96	0.00	0.0	6.697	0.014	0	0	0	5
PL.31107	PL.32140	A	#4 ACSR	7.35Y	122.5	0.00	2.45	1.14	1	8	2	97	0.00	0.0	6.744	0.047	8	2	2	2
PL.31291	PL.32140	A	#4 ACSR	7.35Y	122.5	0.00	2.46	1.78	1	13	4	96	0.00	0.0	6.783	0.085	12	4	2	3
PL.31109	PL.31291	A	#4 ACSR	7.35Y	122.5	0.00	2.46	0.05	0	0	0	100	0.00	0.0	6.859	0.076	0	0	1	1
PL.31108	PL.31849	ABC	#3/0 ACSR	7.35Y	122.6	0.00	2.45	0.00	0	0	0	100	0.00	0.0	6.712	0.033	0	0	0	0
PL.31106	PL.31108	ABC	336 MCM AC	7.35Y	122.6	0.00	2.45	0.00	0	0	0	100	0.00	0.0	6.790	0.078	0	0	0	0
PD.6125-A	PL.31106	ABC	Open	7.35Y	122.6	0.00	2.45	0.00	0	0	0	100	0.00	0.0	6.790	0.078	0	0	0	0
PL.32137	PL.31466	A	6 A (CWC)	7.35Y	122.6	0.00	2.44	0.53	0	4	1	97	0.00	0.0	6.276	0.005	0	0	0	6
PD.4375	PL.32137	A	25T	7.35Y	122.6	0.00	2.44	0.53	0	4	1	97	0.00	0.0	6.276	0.005	0	0	0	6
PL.32138	PD.4375	A	6 A (CWC)	7.35Y	122.6	0.00	2.44	0.53	0	4	1	97	0.00	0.0	6.374	0.098	3	1	2	6
PL.31293	PL.32138	A	6 A (CWC)	7.35Y	122.6	0.00	2.44	0.06	0	0	0	100	0.00	0.0	6.493	0.119	0	0	0	2
PL.31467	PL.31293	A	6 A (CWC)	7.35Y	122.6	0.00	2.44	0.06	0	0	0	100	0.00	0.0	6.650	0.157	0	0	1	2
PL.31110	PL.31467	A	#1/0 ACSR	7.35Y	122.6	0.00	2.44	0.06	0	0	0	100	0.00	0.0	6.691	0.041	0	0	1	1
PL.31105	PL.32138	A	6 A (CWC)	7.35Y	122.6	0.00	2.44	0.08	0	1	0	100	0.00	0.0	6.416	0.042	1	0	2	2
PL.31094	PL.31093	C	#4 ACSR	7.36Y	122.6	0.00	2.39	1.98	2	14	4	96	0.00	0.0	5.447	0.004	0	0	0	16
PD.4374	PL.31094	C	25T	7.36Y	122.6	0.00	2.39	1.98	0	14	4	96	0.00	0.0	5.447	0.004	0	0	0	16
PL.31297	PD.4374	C	#4 ACSR	7.36Y	122.6	0.01	2.39	1.15	1	8	2	97	0.00	0.0	5.614	0.167	0	0	0	14
PL.31465	PL.31297	C	#4 ACSR	7.36Y	122.6	0.01	2.40	1.15	1	8	2	97	0.00	0.0	5.756	0.142	0	0	0	14
PL.31096	PL.31465	C	#4 ACSR	7.36Y	122.6	0.00	2.40	0.30	0	2	1	89	0.00	0.0	5.845	0.089	0	0	0	13
PL.31097	PL.31096	C	#4 ACSR	7.36Y	122.6	0.00	2.40	0.30	0	2	1	89	0.00	0.0	5.876	0.030	0	0	0	1
PL.31298	PL.31097	C	#4 ACSR	7.36Y	122.6	0.00	2.40	0.30	0	2	1	89	0.00	0.0	5.909	0.033	2	1	1	1
PL.32073	PL.31096	C	#4 ACSR	7.36Y	122.6	0.00	2.40	0.00	0	0	0	100	0.00	0.0	5.850	0.005	0	0	0	12
PD.4341	PL.32073	C	40T	7.36Y	122.6	0.00	2.40	0.00	0	0	0	100	0.00	0.0	5.850	0.005	0	0	0	12
PL.32074	PD.4341	C	#4 ACSR	7.36Y	122.6	0.00	2.40	0.00	0	0	0	100	0.00	0.0	5.868	0.018	0	0	1	12
PL.31835	PL.32074	C	#4 ACSR	7.36Y	122.6	0.00	2.40	0.00	0	0	0	100	0.00	0.0	5.899	0.031	0	0	1	7
PL.31836	PL.31835	C	#4 ACSR	7.36Y	122.6	0.00	2.40	0.00	0	0	0	100	0.00	0.0	5.982	0.083	0	0	1	6
PL.31299	PL.31836	C	#4 ACSR	7.36Y	122.6	0.00	2.40	0.00	0	0	0	100	0.00	0.0	6.034	0.051	0	0	1	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.31623	PL.31299	C	#4 ACSR	7.36Y	122.6	0.00	2.40	0.00	0	0	0	100	0.00	0.0	6.074	0.040	0	0	2	3
PL.31622	PL.31623	C	#4 ACSR	7.36Y	122.6	0.00	2.40	0.00	0	0	0	100	0.00	0.0	6.126	0.052	0	0	1	1
PL.31300	PL.31299	C	#4 ACSR	7.36Y	122.6	0.00	2.40	0.00	0	0	0	100	0.00	0.0	6.101	0.067	0	0	1	1
PL.31098	PL.31836	C	#4 ACSR	7.36Y	122.6	0.00	2.40	0.00	0	0	0	100	0.00	0.0	6.033	0.050	0	0	0	0
PL.31837	PL.32074	C	#4 ACSR	7.36Y	122.6	0.00	2.40	0.00	0	0	0	100	0.00	0.0	5.888	0.020	0	0	2	4
PL.31838	PL.31837	C	#4 ACSR	7.36Y	122.6	0.00	2.40	0.00	0	0	0	100	0.00	0.0	5.918	0.030	0	0	2	2
PL.31839	PL.31838	C	#4 ACSR	7.36Y	122.6	0.00	2.40	0.00	0	0	0	100	0.00	0.0	5.932	0.014	0	0	0	0
PL.31095	PL.31465	C	#4 ACSR	7.36Y	122.6	0.00	2.40	0.85	1	6	2	95	0.00	0.0	5.821	0.065	6	2	1	1
PL.31099	PD.4374	C	#4 ACSR	7.36Y	122.6	0.00	2.39	0.83	1	6	2	95	0.00	0.0	5.598	0.151	6	2	2	2
PL.32071	PL.31859	A	#4 ACSR	7.36Y	122.6	0.00	2.37	0.96	1	7	2	96	0.00	0.0	5.316	0.005	0	0	0	1
PD.4340	PL.32071	A	65T	7.36Y	122.6	0.00	2.37	0.96	0	7	2	96	0.00	0.0	5.316	0.005	0	0	0	1
PL.32072	PD.4340	A	#4 ACSR	7.36Y	122.6	0.00	2.38	0.96	1	7	2	96	0.00	0.0	5.347	0.031	7	2	1	1
PL.32135	PL.31859	C	#4 ACSR	7.36Y	122.6	0.00	2.37	2.11	2	15	4	97	0.00	0.0	5.316	0.005	0	0	0	2
PD.4373	PL.32135	C	65T	7.36Y	122.6	0.00	2.37	2.11	0	15	4	97	0.00	0.0	5.316	0.005	0	0	0	2
PL.32136	PD.4373	C	#4 ACSR	7.36Y	122.6	0.01	2.38	2.11	2	15	4	97	0.00	0.0	5.401	0.085	0	0	0	2
PL.65714	PL.32136	C	#4 ACSR	7.36Y	122.6	0.00	2.39	2.11	2	15	4	97	0.00	0.0	5.451	0.050	0	0	0	2
PL.65715	PL.65714	C	#4 ACSR	7.36Y	122.6	0.00	2.39	2.11	2	15	4	97	0.00	0.0	5.524	0.073	15	4	2	2
PL.65713	PL.65714	C	#1/0 ACSR	7.36Y	122.6	0.00	2.39	0.00	0	0	0	100	0.00	0.0	5.510	0.059	0	0	0	0
PL.65716	PL.65713	C	#1/0 ACSR	7.36Y	122.6	0.00	2.39	0.00	0	0	0	100	0.00	0.0	5.551	0.041	0	0	0	0
PL.32059	PL.31747	A	#2 ACSR	7.36Y	122.7	0.00	2.35	2.48	1	18	5	96	0.00	0.0	5.090	0.004	0	0	0	1
PD.4334	PL.32059	A	65T	7.36Y	122.7	0.00	2.35	2.48	0	18	5	96	0.00	0.0	5.090	0.004	0	0	0	1
PL.32060	PD.4334	A	#2 ACSR	7.36Y	122.6	0.00	2.35	2.48	1	18	5	96	0.00	0.0	5.132	0.042	18	5	1	1
PL.32055	PL.32058	A	6 A (CWC)	7.36Y	122.7	0.00	2.34	3.11	2	22	6	96	0.00	0.0	5.021	0.004	0	0	0	5
PD.4333	PL.32055	A	65T	7.36Y	122.7	0.00	2.34	3.11	0	22	6	96	0.00	0.0	5.021	0.004	0	0	0	5
PL.32056	PD.4333	A	6 A (CWC)	7.36Y	122.6	0.02	2.36	3.11	2	22	6	96	0.00	0.0	5.173	0.152	0	0	0	5
PL.31620	PL.32056	A	#4 ACSR	7.36Y	122.6	0.01	2.37	2.69	2	19	6	95	0.00	0.0	5.239	0.067	7	2	1	4
PL.31621	PL.31620	A	#4 ACSR	7.36Y	122.6	0.00	2.37	1.72	1	12	4	95	0.00	0.0	5.306	0.067	8	2	2	3
PL.31091	PL.31621	A	#2 ACSR	7.36Y	122.6	0.00	2.37	0.59	0	4	1	97	0.00	0.0	5.346	0.040	4	1	1	1
PL.31746	PL.32056	A	6 A (CWC)	7.36Y	122.6	0.00	2.36	0.42	0	3	1	95	0.00	0.0	5.290	0.118	3	1	1	1
PL.32167	PL.32166	ABC	#3/0 ACSR	7.36Y	122.7	0.00	2.29	80.32	27	1693	531	95	0.05	0.0	4.621	0.005	0	0	0	408
PD.4390-A	PL.32167	ABC	Closed	7.36Y	122.7	0.00	2.29	80.32	0	1693	531	95	0.00	0.0	4.621	0.005	0	0	0	408

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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
PD.4390-B	PD.4390-A	ABC	Closed	7.36Y	122.7	0.00	2.29	80.32	0	1693	531	95	0.00	0.0	4.621	0.005	0	0	0	408
PL.32168	PD.4390-B	ABC	#3/0 ACSR	7.35Y	122.6	0.16	2.45	80.32	27	1693	531	95	1.70	0.1	4.780	0.159	30	9	6	408
PL.31614	PL.32168	ABC	#3/0 ACSR	7.35Y	122.5	0.06	2.51	78.89	26	1661	519	95	0.65	0.0	4.842	0.062	2	1	1	402
PL.31111	PL.31614	ABC	#3/0 ACSR	7.34Y	122.4	0.08	2.59	72.62	24	1527	481	95	0.74	0.0	4.926	0.084	7	2	1	379
PL.32049	PL.31111	A	#4 ACSR	7.34Y	122.4	0.00	2.59	0.97	1	7	2	96	0.00	0.0	4.931	0.005	0	0	0	2
PD.4330	PL.32049	A	65T	7.34Y	122.4	0.00	2.59	0.97	0	7	2	96	0.00	0.0	4.931	0.005	0	0	0	2
PL.32050	PD.4330	A	#4 ACSR	7.34Y	122.4	0.00	2.60	0.97	1	7	2	96	0.00	0.0	5.072	0.141	7	2	2	2
PL.31324	PL.31111	ABC	#3/0 ACSR	7.34Y	122.3	0.08	2.67	71.97	24	1513	475	95	0.73	0.0	5.011	0.084	18	5	2	376
PL.32051	PL.31324	C	6 A (CWC)	7.34Y	122.3	0.00	2.67	0.01	0	0	0	100	0.00	0.0	5.015	0.005	0	0	0	2
PD.4331	PL.32051	C	65T	7.34Y	122.3	0.00	2.67	0.01	0	0	0	100	0.00	0.0	5.015	0.005	0	0	0	2
PL.32052	PD.4331	C	6 A (CWC)	7.34Y	122.3	0.00	2.67	0.01	0	0	0	100	0.00	0.0	5.084	0.068	0	0	0	2
PL.31471	PL.32052	C	6 A (CWC)	7.34Y	122.3	0.00	2.67	0.01	0	0	0	100	0.00	0.0	5.283	0.200	0	0	2	2
PL.31602	PL.31324	ABC	#3/0 ACSR	7.34Y	122.3	0.06	2.73	71.13	24	1494	469	95	0.58	0.0	5.080	0.069	22	6	3	372
PL.31603	PL.31602	ABC	#3/0 ACSR	7.33Y	122.2	0.04	2.78	70.09	23	1472	462	95	0.38	0.0	5.126	0.047	7	2	1	369
PL.31126	PL.31603	ABC	#3/0 ACSR	7.33Y	122.2	0.06	2.83	69.34	23	1456	457	95	0.50	0.0	5.189	0.062	5	1	1	365
PL.32043	PL.31126	A	#2 ACSR	7.33Y	122.2	0.00	2.83	1.28	1	9	3	95	0.00	0.0	5.193	0.005	0	0	0	2
PD.4327	PL.32043	A	65T	7.33Y	122.2	0.00	2.83	1.28	0	9	3	95	0.00	0.0	5.193	0.005	0	0	0	2
PL.32044	PD.4327	A	#2 ACSR	7.33Y	122.2	0.00	2.83	1.28	1	9	3	95	0.00	0.0	5.232	0.038	9	3	2	2
PL.31127	PL.31126	ABC	#3/0 ACSR	7.33Y	122.1	0.06	2.90	68.69	23	1441	452	95	0.56	0.0	5.260	0.071	5	2	1	362
PL.32033	PL.31127	B	#4 ACSR	7.33Y	122.1	0.00	2.90	0.71	1	5	1	98	0.00	0.0	5.284	0.024	0	0	0	1
PD.4322	PL.32033	B	65T	7.33Y	122.1	0.00	2.90	0.71	0	5	1	98	0.00	0.0	5.284	0.024	0	0	0	1
PL.32034	PD.4322	B	#4 ACSR	7.33Y	122.1	0.00	2.90	0.71	1	5	1	98	0.00	0.0	5.324	0.039	5	1	1	1
PL.31325	PL.31127	ABC	#3/0 ACSR	7.32Y	122.0	0.10	2.99	68.21	23	1431	448	95	0.85	0.1	5.369	0.109	9	3	1	360
PL.32035	PL.31325	A	6 A (CWC)	7.32Y	122.0	0.00	2.99	0.00	0	0	0	100	0.00	0.0	5.374	0.005	0	0	0	1
PD.4323	PL.32035	A	65T	7.32Y	122.0	0.00	2.99	0.00	0	0	0	100	0.00	0.0	5.374	0.005	0	0	0	1
PL.32036	PD.4323	A	6 A (CWC)	7.32Y	122.0	0.00	2.99	0.00	0	0	0	100	0.00	0.0	5.534	0.160	0	0	0	1
PL.31472	PL.32036	A	6 A (CWC)	7.32Y	122.0	0.00	2.99	0.00	0	0	0	100	0.00	0.0	5.716	0.182	0	0	1	1
PL.31131	PL.31325	ABC	#3/0 ACSR	7.31Y	121.9	0.11	3.10	67.79	23	1421	445	95	0.97	0.1	5.495	0.126	3	1	1	358
PL.31741	PL.31131	ABC	#3/0 ACSR	7.31Y	121.8	0.06	3.16	67.24	22	1408	440	95	0.54	0.0	5.567	0.071	5	2	1	354
PL.31742	PL.31741	ABC	#3/0 ACSR	7.31Y	121.8	0.07	3.23	66.70	22	1396	436	95	0.59	0.0	5.646	0.080	9	3	1	352
PL.32145	PL.31742	A	#2 ACSR	7.31Y	121.8	0.00	3.23	1.64	1	12	3	97	0.00	0.0	5.651	0.005	0	0	0	2

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

Balanced Voltage Drop Report
Source: Greenhall

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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.4379	PL.32145	A	65T	7.31Y	121.8	0.00	3.23	1.64	0	12	3	97	0.00	0.0	5.651	0.005	0	0	0	2
PL.32146	PD.4379	A	#2 ACSR	7.31Y	121.8	0.00	3.23	1.64	1	12	3	97	0.00	0.0	5.688	0.037	11	3	1	2
PL.31597	PL.32146	A	#2 ACSR	7.31Y	121.8	0.00	3.23	0.13	0	1	0	100	0.00	0.0	5.746	0.058	1	0	1	1
PL.31594	PL.31742	ABC	#3/0 ACSR	7.30Y	121.7	0.04	3.27	65.39	22	1368	427	95	0.33	0.0	5.693	0.046	6	2	1	348
PL.31595	PL.31594	ABC	#3/0 ACSR	7.30Y	121.7	0.04	3.31	65.10	22	1362	425	95	0.32	0.0	5.738	0.045	5	1	2	347
PL.31596	PL.31595	ABC	#3/0 ACSR	7.30Y	121.7	0.04	3.35	64.88	22	1357	423	95	0.33	0.0	5.785	0.047	0	0	1	345
PL.31593	PL.31596	ABC	#3/0 ACSR	7.29Y	121.6	0.07	3.42	64.88	22	1356	422	95	0.60	0.0	5.870	0.085	9	3	3	344
PL.32147	PL.31593	C	#1/0 ACSR	7.29Y	121.6	0.00	3.42	1.22	1	9	2	98	0.00	0.0	5.875	0.005	0	0	0	1
PD.4380	PL.32147	C	10T	7.29Y	121.6	0.00	3.42	1.22	0	9	2	98	0.00	0.0	5.875	0.005	0	0	0	1
PL.32148	PD.4380	C	#1/0 ACSR	7.29Y	121.6	0.00	3.42	1.22	1	9	2	98	0.00	0.0	5.936	0.061	9	2	1	1
PL.31327	PL.31593	ABC	#3/0 ACSR	7.29Y	121.5	0.11	3.53	63.52	21	1327	413	95	0.93	0.1	6.008	0.138	6	2	1	338
PL.31133	PL.31327	C	#1/0 ACSR	7.29Y	121.5	0.01	3.54	5.91	3	41	12	96	0.00	0.0	6.054	0.046	0	0	0	7
PL.31134	PL.31133	C	#1/0 ACSR	7.29Y	121.5	0.00	3.54	5.91	3	41	12	96	0.00	0.0	6.072	0.018	1	0	1	7
PL.31738	PL.31134	C	6 A (CWC)	7.29Y	121.5	0.00	3.54	5.84	4	41	12	96	0.00	0.0	6.077	0.005	0	0	0	6
PD.4317	PL.31738	C	65T	7.29Y	121.5	0.00	3.54	5.84	0	41	12	96	0.00	0.0	6.077	0.005	0	0	0	6
PL.31135	PD.4317	C	#1/0 ACSR	7.29Y	121.5	0.00	3.54	1.00	0	7	2	96	0.00	0.0	6.124	0.047	7	2	1	1
PL.31739	PD.4317	C	6 A (CWC)	7.28Y	121.4	0.04	3.59	4.84	3	34	10	96	0.01	0.0	6.289	0.212	6	2	1	5
PL.31473	PL.31739	C	#2 ACSR	7.28Y	121.4	0.00	3.59	1.03	1	7	2	96	0.00	0.0	6.404	0.115	0	0	0	1
PL.31136	PL.31473	C	#2 ACSR	7.28Y	121.4	0.00	3.59	1.03	1	7	2	96	0.00	0.0	6.530	0.126	7	2	1	1
PL.31834	PL.31739	C	6 A (CWC)	7.28Y	121.4	0.01	3.59	2.90	2	20	6	96	0.00	0.0	6.335	0.045	4	1	1	3
PL.31579	PL.31834	C	6 A (CWC)	7.28Y	121.4	0.01	3.61	2.33	2	16	5	95	0.00	0.0	6.469	0.134	0	0	0	2
PL.31137	PL.31579	C	6 A (CWC)	7.28Y	121.4	0.00	3.61	0.55	0	4	1	97	0.00	0.0	6.653	0.185	4	1	1	1
PL.31138	PL.31579	C	#1/0 ACSR	7.28Y	121.4	0.00	3.61	1.78	1	12	4	95	0.00	0.0	6.535	0.067	0	0	0	1
PL.32011	PL.31138	C	1/0 AL URD	7.28Y	121.4	0.00	3.61	1.78	1	12	4	95	0.00	0.0	6.540	0.005	0	0	0	1
PD.4310	PL.32011	C	40T	7.28Y	121.4	0.00	3.61	1.78	0	12	4	95	0.00	0.0	6.540	0.005	0	0	0	1
PL.32012	PD.4310	C	1/0 AL URD	7.28Y	121.4	0.00	3.61	1.78	1	12	4	95	0.00	0.0	6.549	0.009	12	4	1	1
PL.31328	PL.31327	ABC	#3/0 ACSR	7.28Y	121.4	0.10	3.63	61.27	20	1279	398	95	0.77	0.1	6.130	0.122	0	0	0	330
PL.31139	PL.31328	A	#2 ACSR	7.28Y	121.4	0.00	3.63	0.00	0	0	0	100	0.00	0.0	6.239	0.109	0	0	1	1
PL.32023	PL.31328	C	#2 ACSR	7.28Y	121.4	0.00	3.63	1.60	1	11	3	96	0.00	0.0	6.154	0.024	0	0	0	2
PD.4316	PL.32023	C	65T	7.28Y	121.4	0.00	3.63	1.60	0	11	3	96	0.00	0.0	6.154	0.024	0	0	0	2
PL.32024	PD.4316	C	#2 ACSR	7.28Y	121.4	0.00	3.63	1.60	1	11	3	96	0.00	0.0	6.194	0.040	3	1	1	2

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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.31588	PL.32024	C	#2 ACSR	7.28Y	121.4	0.00	3.63	1.12	1	8	2	97	0.00	0.0	6.222	0.028	8	2	1	1
PL.31140	PL.31328	ABC	#3/0 ACSR	7.28Y	121.3	0.03	3.66	60.74	20	1267	394	95	0.23	0.0	6.168	0.037	7	2	1	327
PL.31589	PL.31140	ABC	#3/0 ACSR	7.28Y	121.3	0.05	3.71	59.92	20	1250	388	96	0.42	0.0	6.238	0.071	7	2	1	325
PL.31590	PL.31589	ABC	#3/0 ACSR	7.27Y	121.2	0.06	3.78	59.60	20	1243	386	96	0.48	0.0	6.319	0.081	7	2	1	324
PL.31580	PL.31590	ABC	#3/0 ACSR	7.27Y	121.1	0.11	3.89	58.74	20	1224	380	96	0.86	0.1	6.469	0.149	8	2	3	321
PL.31581	PL.31580	ABC	#3/0 ACSR	7.26Y	121.0	0.10	3.99	58.35	19	1215	376	96	0.77	0.1	6.603	0.134	0	0	0	318
PL.31474	PL.31581	ABC	#3/0 ACSR	7.26Y	120.9	0.06	4.05	58.35	19	1214	375	96	0.47	0.0	6.686	0.083	0	0	0	318
PL.31154	PL.31474	B	6 A (CWC)	7.26Y	120.9	0.00	4.05	0.40	0	3	1	95	0.00	0.0	6.745	0.058	3	1	1	1
PL.32021	PL.31474	B	#2 ACSR	7.26Y	120.9	0.00	4.05	0.75	0	5	2	93	0.00	0.0	6.691	0.005	0	0	0	3
PD.4315	PL.32021	B	65T	7.26Y	120.9	0.00	4.05	0.75	0	5	2	93	0.00	0.0	6.691	0.005	0	0	0	3
PL.32022	PD.4315	B	#2 ACSR	7.26Y	120.9	0.00	4.05	0.75	0	5	2	93	0.00	0.0	6.714	0.023	5	2	3	3
PL.31587	PL.31474	ABC	#3/0 ACSR	7.26Y	120.9	0.01	4.06	57.97	19	1206	372	96	0.05	0.0	6.695	0.008	0	0	0	314
PL.32190	PL.31587	ABC	#3/0 ACSR	7.26Y	120.9	0.00	4.06	57.97	19	1206	372	96	0.02	0.0	6.697	0.003	0	0	0	314
PD.4402	PL.32190	ABC	200VWE	7.26Y	120.9	0.00	4.06	57.97	0	1206	372	96	0.00	0.0	6.697	0.003	0	0	0	314
PL.32191	PD.4402	ABC	#3/0 ACSR	7.25Y	120.8	0.09	4.15	57.97	19	1206	372	96	0.69	0.1	6.820	0.122	0	0	0	314
PL.32019	PL.32191	A	#2 ACSR	7.25Y	120.8	0.00	4.15	1.16	1	8	2	97	0.00	0.0	6.824	0.005	0	0	0	2
PD.4314	PL.32019	A	40T	7.25Y	120.8	0.00	4.15	1.16	0	8	2	97	0.00	0.0	6.824	0.005	0	0	0	2
PL.32020	PD.4314	A	#2 ACSR	7.25Y	120.8	0.00	4.16	1.16	1	8	2	97	0.00	0.0	6.893	0.069	0	0	1	2
PL.31582	PL.32020	A	#2 ACSR	7.25Y	120.8	0.00	4.16	1.16	1	8	2	97	0.00	0.0	6.948	0.054	8	2	1	1
PL.31583	PL.32191	ABC	#3/0 ACSR	7.25Y	120.8	0.02	4.17	57.58	19	1197	369	96	0.16	0.0	6.848	0.028	8	2	4	312
PL.31584	PL.31583	ABC	#3/0 ACSR	7.25Y	120.8	0.03	4.20	57.18	19	1188	366	96	0.22	0.0	6.888	0.040	0	0	0	308
PL.31585	PL.31584	ABC	#1/0 ACSR	7.24Y	120.7	0.07	4.28	57.18	25	1188	366	96	0.59	0.1	6.957	0.069	13	4	2	308
PL.31586	PL.31585	ABC	#1/0 ACSR	7.24Y	120.6	0.09	4.37	56.57	25	1175	361	96	0.75	0.1	7.045	0.088	6	2	1	306
PL.31734	PL.31586	ABC	#1/0 ACSR	7.23Y	120.6	0.05	4.42	55.93	24	1161	357	96	0.42	0.0	7.095	0.050	2	1	1	302
PL.31142	PL.31734	ABC	#1/0 ACSR	7.23Y	120.5	0.06	4.48	55.83	24	1158	356	96	0.51	0.0	7.157	0.061	7	2	5	301
PL.31143	PL.31142	ABC	#1/0 ACSR	7.23Y	120.4	0.09	4.57	49.15	21	1019	315	96	0.67	0.1	7.260	0.103	0	0	0	264
PL.31480	PL.31143	ABC	#1/0 ACSR	7.22Y	120.3	0.11	4.68	49.15	21	1018	314	96	0.79	0.1	7.382	0.122	0	0	0	264
PL.31481	PL.31480	ABC	#1/0 ACSR	7.21Y	120.2	0.09	4.78	49.15	21	1017	313	96	0.67	0.1	7.487	0.105	0	0	0	264
PL.32198	PL.31481	ABC	#1/0 ACSR	7.21Y	120.2	0.05	4.83	49.15	21	1017	313	96	0.34	0.0	7.539	0.052	0	0	0	264
PL.32199	PL.32198	ABC	#1/0 ACSR	7.21Y	120.1	0.03	4.86	49.15	21	1016	312	96	0.25	0.0	7.577	0.038	0	0	0	264
PL.31717	PL.32199	ABC	#1/0 ACSR	7.20Y	120.1	0.08	4.94	49.15	21	1016	312	96	0.58	0.1	7.668	0.090	0	0	0	264

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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.31482	PL.31717	ABC	#1/0 ACSR	7.20Y	119.9	0.11	5.05	49.15	21	1015	312	96	0.81	0.1	7.794	0.126	0	0	0	264
PL.31483	PL.31482	ABC	#1/0 ACSR	7.19Y	119.8	0.15	5.21	49.15	21	1015	311	96	1.10	0.1	7.965	0.171	0	0	0	264
PL.31484	PL.31483	ABC	#1/0 ACSR	7.18Y	119.7	0.14	5.35	49.15	21	1014	310	96	1.01	0.1	8.122	0.157	0	0	0	264
PL.31485	PL.31484	ABC	#1/0 ACSR	7.17Y	119.5	0.16	5.51	49.15	21	1013	309	96	1.15	0.1	8.301	0.179	0	0	0	264
PL.32009	PL.31485	A	1/0 AL URD	7.17Y	119.5	0.00	5.51	1.73	1	12	3	97	0.00	0.0	8.305	0.004	0	0	0	1
PD.4309	PL.32009	A	40T	7.17Y	119.5	0.00	5.51	1.73	0	12	3	97	0.00	0.0	8.305	0.004	0	0	0	1
PL.32010	PD.4309	A	1/0 AL URD	7.17Y	119.5	0.00	5.51	1.73	1	12	3	97	0.00	0.0	8.349	0.044	12	3	1	1
PL.31164	PL.31485	ABC	#1/0 ACSR	7.16Y	119.4	0.09	5.60	48.58	21	999	304	96	0.65	0.1	8.405	0.104	0	0	0	263
PL.31827	PL.31164	ABC	#1/0 ACSR	7.16Y	119.3	0.08	5.68	48.58	21	999	304	96	0.55	0.1	8.493	0.088	14	4	2	263
PL.31828	PL.31827	ABC	#1/0 ACSR	7.15Y	119.2	0.08	5.76	47.88	21	984	299	96	0.53	0.1	8.579	0.086	0	0	0	261
PL.31732	PL.31828	ABC	#1/0 ACSR	7.15Y	119.1	0.14	5.89	45.35	20	931	283	96	0.91	0.1	8.746	0.167	0	0	0	245
PL.32005	PL.31732	A	#2 ACSR	7.15Y	119.1	0.00	5.89	0.96	1	7	2	96	0.00	0.0	8.751	0.005	0	0	0	1
PD.4307	PL.32005	A	40T	7.15Y	119.1	0.00	5.89	0.96	0	7	2	96	0.00	0.0	8.751	0.005	0	0	0	1
PL.32006	PD.4307	A	#2 ACSR	7.15Y	119.1	0.00	5.89	0.96	1	7	2	96	0.00	0.0	8.810	0.060	7	2	1	1
PL.31731	PL.31732	ABC	#1/0 ACSR	7.14Y	119.0	0.06	5.96	44.43	19	911	277	96	0.41	0.0	8.823	0.077	0	0	0	239
PL.31995	PL.31731	C	#2 ACSR	7.14Y	119.0	0.00	5.96	1.80	1	12	4	95	0.00	0.0	8.828	0.005	0	0	0	2
PD.4302	PL.31995	C	40T	7.14Y	119.0	0.00	5.96	1.80	0	12	4	95	0.00	0.0	8.828	0.005	0	0	0	2
PL.31996	PD.4302	C	#2 ACSR	7.14Y	119.0	0.00	5.96	1.80	1	12	4	95	0.00	0.0	8.874	0.046	6	2	1	2
PL.31165	PL.31996	C	#1/0 ACSR	7.14Y	119.0	0.00	5.96	0.95	0	7	2	96	0.00	0.0	8.890	0.016	7	2	1	1
PL.31730	PL.31731	ABC	#1/0 ACSR	7.14Y	119.0	0.05	6.01	43.83	19	899	273	96	0.34	0.0	8.890	0.066	5	2	1	237
PL.31336	PL.31730	ABC	#1/0 ACSR	7.14Y	118.9	0.07	6.08	43.07	19	883	268	96	0.43	0.0	8.976	0.087	3	1	1	235
PL.31337	PL.31336	ABC	#1/0 ACSR	7.13Y	118.9	0.03	6.11	42.92	19	879	267	96	0.21	0.0	9.020	0.044	7	2	1	233
PL.32001	PL.31337	A	#1/0 ACSR	7.13Y	118.9	0.00	6.11	1.61	1	11	3	96	0.00	0.0	9.025	0.005	0	0	0	1
PD.4305	PL.32001	A	40T	7.13Y	118.9	0.00	6.11	1.61	0	11	3	96	0.00	0.0	9.025	0.005	0	0	0	1
PL.32002	PD.4305	A	#1/0 ACSR	7.13Y	118.9	0.00	6.11	1.61	1	11	3	96	0.00	0.0	9.087	0.062	11	3	1	1
PL.31818	PL.31337	ABC	#1/0 ACSR	7.13Y	118.8	0.12	6.23	42.04	18	861	261	96	0.73	0.1	9.176	0.156	0	0	1	231
PL.31819	PL.31818	ABC	#1/0 ACSR	7.12Y	118.7	0.06	6.29	42.04	18	860	261	96	0.35	0.0	9.250	0.074	7	2	2	230
PL.31993	PL.31819	B	6 A (CWC)	7.12Y	118.7	0.00	6.29	2.66	2	18	5	96	0.00	0.0	9.254	0.004	0	0	0	3
PD.4301	PL.31993	B	40T	7.12Y	118.7	0.00	6.29	2.66	0	18	5	96	0.00	0.0	9.254	0.004	0	0	0	3
PL.31994	PD.4301	B	6 A (CWC)	7.12Y	118.7	0.00	6.29	2.66	2	18	5	96	0.00	0.0	9.265	0.010	0	0	0	3
PL.31820	PL.31994	B	6 A (CWC)	7.12Y	118.7	0.00	6.29	2.66	2	18	5	96	0.00	0.0	9.298	0.033	0	0	0	3

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Balanced Voltage Drop Report
Source: Greenhall

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.31178	PL.31820	B	#4 ACSR	7.12Y	118.7	0.00	6.30	1.57	1	11	3	96	0.00	0.0	9.383	0.085	11	3	1	1	
PL.31338	PL.31820	B	6 A (CWC)	7.12Y	118.7	0.00	6.30	1.08	1	7	2	96	0.00	0.0	9.472	0.175	7	2	2	2	
PL.31821	PL.31819	ABC	#1/0 ACSR	7.12Y	118.7	0.04	6.33	40.80	18	834	253	96	0.24	0.0	9.306	0.056	9	3	1	225	
PL.31822	PL.31821	ABC	#1/0 ACSR	7.12Y	118.6	0.09	6.42	40.33	18	825	250	96	0.51	0.1	9.424	0.118	0	0	1	224	
PL.31991	PL.31822	B	#4 ACSR	7.12Y	118.6	0.00	6.42	1.31	1	9	3	95	0.00	0.0	9.429	0.005	0	0	0	1	
PD.4299	PL.31991	B	40T	7.12Y	118.6	0.00	6.42	1.31	0	9	3	95	0.00	0.0	9.429	0.005	0	0	0	1	
PL.31992	PD.4299	B	#4 ACSR	7.11Y	118.6	0.00	6.42	1.31	1	9	3	95	0.00	0.0	9.484	0.055	9	3	1	1	
PL.31339	PL.31822	ABC	#1/0 ACSR	7.11Y	118.5	0.04	6.45	39.89	17	815	247	96	0.21	0.0	9.475	0.051	4	1	1	222	
PL.31180	PL.31339	B	#2 ACSR	7.11Y	118.5	0.00	6.45	3.18	2	22	6	96	0.00	0.0	9.479	0.004	0	0	0	2	
PD.4300	PL.31180	B	40T	7.11Y	118.5	0.00	6.45	3.18	0	22	6	96	0.00	0.0	9.479	0.004	0	0	0	2	
PL.31340	PD.4300	B	#2 ACSR	7.11Y	118.5	0.00	6.45	1.45	1	10	3	96	0.00	0.0	9.504	0.026	10	3	1	1	
PL.31179	PD.4300	B	6 A (CWC)	7.11Y	118.5	0.00	6.46	1.73	1	12	3	97	0.00	0.0	9.564	0.086	12	3	1	1	
PL.31823	PL.31339	ABC	#1/0 ACSR	7.11Y	118.4	0.10	6.55	38.65	17	789	239	96	0.57	0.1	9.618	0.143	3	1	1	219	
PL.31824	PL.31823	ABC	#1/0 ACSR	7.10Y	118.3	0.12	6.67	38.50	17	786	238	96	0.67	0.1	9.788	0.170	0	0	0	218	
PL.32194	PL.31824	ABC	#1/0 ACSR	7.10Y	118.3	0.01	6.68	38.01	17	775	234	96	0.06	0.0	9.803	0.015	0	0	0	216	
PD.4404	PL.32194	ABC	100L	7.10Y	118.3	0.00	6.68	38.01	38	775	234	96	0.00	0.0	9.803	0.015	0	0	0	216	
PL.32195	PD.4404	ABC	#1/0 ACSR	7.10Y	118.3	0.06	6.74	38.01	17	775	234	96	0.33	0.0	9.888	0.085	0	0	0	216	
PL.31494	PL.32195	ABC	#1/0 ACSR	7.09Y	118.2	0.08	6.82	38.01	17	775	234	96	0.42	0.1	9.998	0.110	0	0	0	216	
PL.31495	PL.31494	ABC	#1/0 ACSR	7.09Y	118.1	0.07	6.89	38.01	17	774	233	96	0.40	0.1	10.103	0.105	0	0	0	216	
PL.31496	PL.31495	ABC	#1/0 ACSR	7.08Y	118.0	0.09	6.98	38.01	17	774	233	96	0.50	0.1	10.234	0.131	0	0	0	216	
L PL.31497	PL.31496	ABC	#1/0 ACSR	7.08Y	118.0	0.06	7.04	38.01	17	773	233	96	0.34	0.0	10.321	0.087	0	0	0	216	L
L PL.31989	PL.31497	B	6 A (CWC)	7.08Y	118.0	0.00	7.04	2.99	2	20	6	96	0.00	0.0	10.326	0.005	0	0	0	5	L
L PD.4298	PL.31989	B	40T	7.08Y	118.0	0.00	7.04	2.99	0	20	6	96	0.00	0.0	10.326	0.005	0	0	0	5	L
L PL.31990	PD.4298	B	6 A (CWC)	7.08Y	117.9	0.01	7.05	2.99	2	20	6	96	0.00	0.0	10.388	0.062	8	2	3	5	L
L PL.31186	PL.31990	B	6 A (CWC)	7.08Y	117.9	0.00	7.05	0.61	0	4	1	97	0.00	0.0	10.436	0.048	0	0	0	1	L
L PL.31187	PL.31186	B	#4 ACSR	7.08Y	117.9	0.00	7.05	0.61	0	4	1	97	0.00	0.0	10.481	0.044	4	1	1	1	L
L PL.31185	PL.31990	B	#2 ACSR	7.08Y	117.9	0.00	7.05	1.14	1	8	2	97	0.00	0.0	10.439	0.051	8	2	1	1	L
L PL.32151	PL.31497	B	#4 ACSR	7.08Y	118.0	0.00	7.04	3.24	2	22	6	96	0.00	0.0	10.326	0.005	0	0	0	4	L
L PD.4382	PL.32151	B	40T	7.08Y	118.0	0.00	7.04	3.24	0	22	6	96	0.00	0.0	10.326	0.005	0	0	0	4	L
L PL.32152	PD.4382	B	#4 ACSR	7.08Y	117.9	0.01	7.05	3.24	2	22	6	96	0.00	0.0	10.393	0.067	10	3	1	4	L
L PL.31182	PL.32152	B	#1/0 ACSR	7.08Y	117.9	0.00	7.05	0.00	0	0	0	100	0.00	0.0	10.412	0.019	0	0	1	1	L

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Balanced Voltage Drop Report
Source: Greenhall

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.31353	PL.32152	B	#4 ACSR	7.08Y	117.9	0.01	7.06	1.76	1	12	3	97	0.00	0.0	10.470	0.077	0	0	0	2	L
L PL.31184	PL.31353	B	#4 ACSR	7.08Y	117.9	0.00	7.06	0.65	1	4	1	97	0.00	0.0	10.564	0.094	0	0	0	1	L
L PL.31498	PL.31184	B	#4 ACSR	7.08Y	117.9	0.00	7.06	0.65	1	4	1	97	0.00	0.0	10.658	0.094	0	0	0	1	L
L PL.31499	PL.31498	B	#4 ACSR	7.08Y	117.9	0.00	7.06	0.65	1	4	1	97	0.00	0.0	10.709	0.050	4	1	1	1	L
L PL.31183	PL.31353	B	#2 ACSR	7.08Y	117.9	0.00	7.06	1.11	1	8	2	97	0.00	0.0	10.513	0.043	8	2	1	1	L
L PL.31812	PL.31497	ABC	#1/0 ACSR	7.08Y	117.9	0.03	7.07	35.93	16	731	220	96	0.15	0.0	10.365	0.044	7	2	1	207	L
L PL.31813	PL.31812	ABC	#1/0 ACSR	7.07Y	117.9	0.04	7.11	35.58	15	723	218	96	0.18	0.0	10.419	0.054	7	2	2	206	L
L PL.31814	PL.31813	ABC	#1/0 ACSR	7.07Y	117.8	0.07	7.18	35.25	15	716	216	96	0.36	0.1	10.531	0.112	14	4	2	204	L
L PL.31987	PL.31814	C	6 A (CWC)	7.07Y	117.8	0.00	7.18	0.89	1	6	2	95	0.00	0.0	10.536	0.005	0	0	0	5	L
L PD.4297	PL.31987	C	40T	7.07Y	117.8	0.00	7.18	0.89	0	6	2	95	0.00	0.0	10.536	0.005	0	0	0	5	L
L PL.31988	PD.4297	C	6 A (CWC)	7.07Y	117.8	0.00	7.18	0.89	1	6	2	95	0.00	0.0	10.583	0.048	6	2	4	5	L
L PL.31804	PL.31988	C	6 A (CWC)	7.07Y	117.8	0.00	7.18	0.00	0	0	0	100	0.00	0.0	10.633	0.050	0	0	1	1	L
L PL.31806	PL.31814	ABC	#1/0 ACSR	7.07Y	117.8	0.06	7.24	34.25	15	696	209	96	0.29	0.0	10.625	0.094	8	2	1	197	L
L PL.31807	PL.31806	ABC	#1/0 ACSR	7.06Y	117.7	0.05	7.29	33.88	15	688	207	96	0.26	0.0	10.712	0.088	12	4	2	196	L
L PL.31810	PL.31807	ABC	#1/0 ACSR	7.06Y	117.7	0.03	7.32	30.06	13	610	184	96	0.15	0.0	10.775	0.063	1	0	1	180	L
L PL.31811	PL.31810	ABC	#1/0 ACSR	7.05Y	117.6	0.10	7.42	30.01	13	609	184	96	0.42	0.1	10.950	0.175	0	0	0	179	L
L PL.31805	PL.31811	ABC	#1/0 ACSR	7.05Y	117.5	0.04	7.46	30.01	13	608	183	96	0.18	0.0	11.024	0.074	4	1	1	179	L
L PL.31343	PL.31805	ABC	#1/0 ACSR	7.05Y	117.5	0.06	7.53	29.80	13	604	182	96	0.28	0.0	11.143	0.119	0	0	0	178	L
L PL.31344	PL.31343	ABC	#1/0 ACSR	7.05Y	117.4	0.03	7.55	28.23	12	572	172	96	0.11	0.0	11.194	0.051	0	0	0	167	L
L PL.31194	PL.31344	ABC	#1/0 ACSR	7.04Y	117.4	0.06	7.61	28.23	12	571	172	96	0.24	0.0	11.306	0.113	0	0	1	167	L
L PL.31981	PL.31194	A	6 A (CWC)	7.04Y	117.4	0.00	7.61	1.45	1	10	3	96	0.00	0.0	11.311	0.005	0	0	0	2	L
L PD.4294	PL.31981	A	40T	7.04Y	117.4	0.00	7.61	1.45	0	10	3	96	0.00	0.0	11.311	0.005	0	0	0	2	L
L PL.31982	PD.4294	A	6 A (CWC)	7.04Y	117.4	0.00	7.61	1.45	1	10	3	96	0.00	0.0	11.372	0.061	10	3	1	2	L
L PL.31203	PL.31982	A	#4 ACSR	7.04Y	117.4	0.00	7.61	0.00	0	0	0	100	0.00	0.0	11.459	0.087	0	0	1	1	L
L PL.31345	PL.31194	ABC	#1/0 ACSR	7.04Y	117.3	0.04	7.65	27.72	12	561	169	96	0.17	0.0	11.387	0.081	0	0	0	164	L
L PL.31979	PL.31345	C	6 A (CWC)	7.04Y	117.3	0.00	7.65	0.20	0	1	0	100	0.00	0.0	11.392	0.005	0	0	0	1	L
L PD.4293	PL.31979	C	15T	7.04Y	117.3	0.00	7.65	0.20	0	1	0	100	0.00	0.0	11.392	0.005	0	0	0	1	L
L PL.31980	PD.4293	C	6 A (CWC)	7.04Y	117.3	0.00	7.65	0.20	0	1	0	100	0.00	0.0	11.552	0.160	1	0	1	1	L
L PL.31797	PL.31345	ABC	#1/0 ACSR	7.04Y	117.3	0.07	7.72	27.66	12	559	168	96	0.30	0.1	11.533	0.145	0	0	0	163	L
L PL.31798	PL.31797	ABC	#1/0 ACSR	7.04Y	117.3	0.01	7.73	27.66	12	559	168	96	0.03	0.0	11.547	0.014	6	2	2	163	L
L PL.32196	PL.31798	ABC	#1/0 ACSR	7.03Y	117.2	0.05	7.78	25.90	11	524	158	96	0.20	0.0	11.658	0.111	0	0	0	158	L

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Balanced Voltage Drop Report
Source: Greenhall

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.32197	PL.32196	ABC	#1/0 ACSR	7.03Y	117.2	0.03	7.81	25.90	11	523	157	96	0.10	0.0	11.715	0.057	1	0	2	158	L
L PL.31802	PL.32197	ABC	#1/0 ACSR	7.03Y	117.2	0.03	7.84	25.45	11	514	155	96	0.12	0.0	11.787	0.072	0	0	1	155	L
L PL.31803	PL.31802	ABC	#1/0 ACSR	7.03Y	117.1	0.05	7.89	25.43	11	514	154	96	0.17	0.0	11.884	0.098	0	0	0	154	L
L PL.31346	PL.31803	ABC	#1/0 ACSR	7.02Y	117.1	0.05	7.94	24.97	11	504	152	96	0.17	0.0	11.986	0.102	0	0	0	153	L
L PL.31799	PL.31346	ABC	#1/0 ACSR	7.02Y	117.0	0.02	7.95	24.95	11	503	151	96	0.06	0.0	12.024	0.038	4	1	1	152	L
L PL.31800	PL.31799	ABC	#1/0 ACSR	7.02Y	117.0	0.04	7.99	24.75	11	499	150	96	0.15	0.0	12.118	0.094	8	2	2	151	L
L PL.31801	PL.31800	ABC	#1/0 ACSR	7.02Y	117.0	0.04	8.03	24.35	11	491	148	96	0.13	0.0	12.201	0.084	3	1	1	149	L
L PL.31796	PL.31801	ABC	#1/0 ACSR	7.01Y	116.9	0.07	8.11	24.23	11	488	147	96	0.26	0.1	12.370	0.169	0	0	0	148	L
L PL.31967	PL.31796	A	#4 ACSR	7.01Y	116.9	0.00	8.11	0.17	0	1	0	100	0.00	0.0	12.375	0.005	0	0	0	2	L
L PD.4287	PL.31967	A	40T	7.01Y	116.9	0.00	8.11	0.17	0	1	0	100	0.00	0.0	12.375	0.005	0	0	0	2	L
L PL.31968	PD.4287	A	#4 ACSR	7.01Y	116.9	0.00	8.11	0.17	0	1	0	100	0.00	0.0	12.426	0.052	1	0	2	2	L
L PL.31347	PL.31796	ABC	#1/0 ACSR	7.01Y	116.8	0.05	8.16	24.17	11	487	146	96	0.19	0.0	12.490	0.119	1	0	1	146	L
L PL.31969	PL.31347	A	#2 ACSR	7.01Y	116.8	0.00	8.16	0.92	1	6	2	95	0.00	0.0	12.494	0.005	0	0	0	2	L
L PD.4288	PL.31969	A	40T	7.01Y	116.8	0.00	8.16	0.92	0	6	2	95	0.00	0.0	12.494	0.005	0	0	0	2	L
L PL.31970	PD.4288	A	#2 ACSR	7.01Y	116.8	0.00	8.16	0.92	1	6	2	95	0.00	0.0	12.555	0.061	6	2	2	2	L
L PL.31786	PL.31347	ABC	#1/0 ACSR	7.01Y	116.8	0.05	8.21	23.79	10	479	144	96	0.16	0.0	12.597	0.108	11	3	1	143	L
L PL.31787	PL.31786	ABC	#1/0 ACSR	7.00Y	116.7	0.06	8.27	23.26	10	468	140	96	0.22	0.0	12.751	0.154	4	1	1	142	L
L PL.31965	PL.31787	A	#4 ACSR	7.00Y	116.7	0.00	8.27	0.78	1	5	2	93	0.00	0.0	12.755	0.005	0	0	0	2	L
L PD.4286	PL.31965	A	40T	7.00Y	116.7	0.00	8.27	0.78	0	5	2	93	0.00	0.0	12.755	0.005	0	0	0	2	L
L PL.31966	PD.4286	A	#4 ACSR	7.00Y	116.7	0.00	8.27	0.78	1	5	2	93	0.00	0.0	12.806	0.050	5	2	2	2	L
L PL.32157	PL.31787	C	#4 ACSR	7.00Y	116.7	0.00	8.27	0.00	0	0	0	100	0.00	0.0	12.755	0.005	0	0	0	1	L
L PD.4385	PL.32157	C	40T	7.00Y	116.7	0.00	8.27	0.00	0	0	0	100	0.00	0.0	12.755	0.005	0	0	0	1	L
L PL.32158	PD.4385	C	#4 ACSR	7.00Y	116.7	0.00	8.27	0.00	0	0	0	100	0.00	0.0	12.831	0.075	0	0	1	1	L
L PL.31784	PL.31787	ABC	#1/0 ACSR	7.00Y	116.7	0.07	8.34	22.80	10	459	138	96	0.22	0.0	12.914	0.163	12	4	1	138	L
L PL.31785	PL.31784	ABC	#1/0 ACSR	7.00Y	116.6	0.06	8.39	22.20	10	447	134	96	0.18	0.0	13.052	0.138	0	0	0	137	L
L PL.31506	PL.31785	ABC	#1/0 ACSR	6.99Y	116.6	0.03	8.42	22.20	10	446	134	96	0.10	0.0	13.125	0.073	0	0	0	137	L
L PL.31348	PL.31506	ABC	#1/0 ACSR	6.99Y	116.5	0.05	8.47	21.75	9	437	131	96	0.16	0.0	13.249	0.125	5	1	1	136	L
L PL.31782	PL.31348	ABC	#1/0 ACSR	6.99Y	116.5	0.03	8.50	20.27	9	407	122	96	0.09	0.0	13.336	0.087	4	1	1	129	L
L PL.31783	PL.31782	ABC	#1/0 ACSR	6.99Y	116.5	0.02	8.53	20.10	9	404	121	96	0.07	0.0	13.402	0.065	0	0	0	128	L
L PL.31722	PL.31783	C	#4 ACSR	6.99Y	116.5	0.00	8.53	2.02	2	14	4	96	0.00	0.0	13.406	0.005	0	0	0	6	L
L PD.4280	PL.31722	C	40T	6.99Y	116.5	0.00	8.53	2.02	0	14	4	96	0.00	0.0	13.406	0.005	0	0	0	6	L

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Balanced Voltage Drop Report
Source: Greenhall

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.31723	PD.4280	C	#4 ACSR	6.99Y	116.5	0.00	8.53	0.69	1	5	1	98	0.00	0.0	13.480	0.073	5	1	1	1	L
L PL.31214	PD.4280	C	6 A (CWC)	6.99Y	116.5	0.00	8.53	0.00	0	0	0	100	0.00	0.0	13.523	0.117	0	0	0	0	L
L PL.31213	PD.4280	C	#1/0 ACSR	6.99Y	116.5	0.00	8.53	1.33	1	9	3	95	0.00	0.0	13.448	0.041	9	3	5	5	L
L PL.31776	PL.31783	ABC	#1/0 ACSR	6.99Y	116.4	0.04	8.57	19.43	8	390	117	96	0.13	0.0	13.527	0.125	1	0	1	122	L
L PL.31777	PL.31776	ABC	#1/0 ACSR	6.98Y	116.4	0.01	8.59	19.35	8	389	116	96	0.04	0.0	13.565	0.038	0	0	1	121	L
L PL.31778	PL.31777	ABC	#1/0 ACSR	6.98Y	116.4	0.03	8.62	19.35	8	388	116	96	0.09	0.0	13.656	0.091	0	0	0	120	L
L PL.31507	PL.31778	ABC	#1/0 ACSR	6.98Y	116.3	0.04	8.65	19.35	8	388	116	96	0.10	0.0	13.757	0.101	0	0	0	120	L
L PL.31508	PL.31507	ABC	#1/0 ACSR	6.98Y	116.3	0.02	8.67	19.35	8	388	116	96	0.06	0.0	13.817	0.059	0	0	0	120	L
L PL.31216	PL.31508	B	#2 ACSR	6.98Y	116.3	0.01	8.69	16.15	9	108	32	96	0.01	0.0	13.839	0.022	0	0	0	37	L
L PL.32185	PL.31216	B	6 A (CWC)	6.98Y	116.3	0.00	8.69	16.15	12	108	32	96	0.00	0.0	13.842	0.003	0	0	0	37	L
L PD.4399	PL.32185	B	35L	6.98Y	116.3	0.00	8.69	16.15	46	108	32	96	0.00	0.0	13.842	0.003	0	0	0	37	L
L PL.32186	PD.4399	B	6 A (CWC)	6.98Y	116.3	0.04	8.72	16.15	12	108	32	96	0.03	0.0	13.890	0.048	1	0	1	37	L
L PL.31217	PL.32186	B	#1/0 ACSR	6.98Y	116.3	0.00	8.72	1.15	1	8	2	97	0.00	0.0	13.928	0.038	8	2	1	1	L
L PL.31780	PL.32186	B	6 A (CWC)	6.98Y	116.3	0.02	8.74	14.89	11	100	29	96	0.01	0.0	13.917	0.028	0	0	1	35	L
L PL.31781	PL.31780	B	6 A (CWC)	6.97Y	116.2	0.05	8.79	14.89	11	100	29	96	0.04	0.0	13.985	0.068	0	0	0	34	L
L PL.31779	PL.31781	B	6 A (CWC)	6.97Y	116.1	0.07	8.86	14.89	11	100	29	96	0.06	0.1	14.089	0.104	0	0	0	34	L
L PL.31218	PL.31779	B	#4 ACSR	6.97Y	116.1	0.03	8.89	14.89	11	100	29	96	0.03	0.0	14.141	0.052	0	0	0	34	L
L PL.31219	PL.31218	B	#4 ACSR	6.96Y	116.1	0.02	8.92	14.89	11	100	29	96	0.02	0.0	14.177	0.035	0	0	0	34	L
L PL.31220	PL.31219	B	#4 ACSR	6.96Y	116.0	0.04	8.96	7.62	6	51	15	96	0.02	0.0	14.299	0.122	0	0	0	19	L
L PL.31512	PL.31220	B	#4 ACSR	6.96Y	116.0	0.05	9.01	7.62	6	51	15	96	0.02	0.0	14.458	0.159	0	0	0	19	L
L PL.31513	PL.31512	B	#4 ACSR	6.96Y	115.9	0.05	9.06	7.62	6	51	15	96	0.02	0.0	14.596	0.138	0	0	1	19	L
L PL.31227	PL.31513	B	#4 ACSR	6.96Y	115.9	0.02	9.08	6.29	5	42	12	96	0.01	0.0	14.681	0.085	7	2	1	17	L
L PL.31961	PL.31227	B	#4 ACSR	6.96Y	115.9	0.00	9.08	1.11	1	7	2	96	0.00	0.0	14.685	0.005	0	0	0	3	L
L PD.4284	PL.31961	B	15T	6.96Y	115.9	0.00	9.08	1.11	0	7	2	96	0.00	0.0	14.685	0.005	0	0	0	3	L
L PL.31962	PD.4284	B	#4 ACSR	6.95Y	115.9	0.00	9.08	1.11	1	7	2	96	0.00	0.0	14.741	0.056	6	2	2	3	L
L PL.31229	PL.31962	B	#4 ACSR	6.95Y	115.9	0.00	9.08	0.23	0	2	0	100	0.00	0.0	14.778	0.036	0	0	0	1	L
L PL.31573	PL.31229	B	#2 ACSR	6.95Y	115.9	0.00	9.09	0.23	0	2	0	100	0.00	0.0	14.863	0.085	0	0	0	1	L
L PL.31572	PL.31573	B	#4 ACSR	6.95Y	115.9	0.00	9.09	0.23	0	2	0	100	0.00	0.0	14.917	0.054	0	0	0	1	L
L PL.31518	PL.31572	B	#4 ACSR	6.95Y	115.9	0.00	9.09	0.23	0	2	0	100	0.00	0.0	15.069	0.152	0	0	0	1	L
L PL.31230	PL.31518	B	#2 ACSR	6.95Y	115.9	0.00	9.09	0.23	0	2	0	100	0.00	0.0	15.109	0.039	2	0	1	1	L
L PL.31228	PL.31227	B	#4 ACSR	6.95Y	115.9	0.03	9.11	4.15	3	28	8	96	0.01	0.0	14.816	0.135	0	0	0	13	L

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Balanced Voltage Drop Report
Source: Greenhall

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.31519	PL.31228	B	#4 ACSR	6.95Y	115.9	0.02	9.13	4.15	3	28	8	96	0.01	0.0	14.940	0.124	0	0	0	13	L
L PL.31521	PL.31519	B	#4 ACSR	6.95Y	115.9	0.02	9.15	4.15	3	28	8	96	0.00	0.0	15.029	0.089	0	0	0	13	L
L PL.31520	PL.31521	B	#4 ACSR	6.95Y	115.8	0.02	9.16	4.15	3	28	8	96	0.00	0.0	15.119	0.090	0	0	0	13	L
L PL.30523	PL.31520	B	#4 ACSR	6.95Y	115.8	0.02	9.18	4.14	3	28	8	96	0.00	0.0	15.224	0.105	0	0	0	12	L
L PL.31578	PL.30523	B	#4 ACSR	6.95Y	115.8	0.02	9.20	4.14	3	28	8	96	0.00	0.0	15.332	0.108	0	0	0	12	L
L PL.31522	PL.31578	B	#4 ACSR	6.95Y	115.8	0.02	9.22	4.14	3	28	8	96	0.00	0.0	15.444	0.112	0	0	0	12	L
L PL.31523	PL.31522	B	#4 ACSR	6.95Y	115.8	0.02	9.24	4.14	3	28	8	96	0.00	0.0	15.549	0.105	0	0	0	12	L
L PL.31232	PL.31523	B	#4 ACSR	6.94Y	115.7	0.03	9.27	4.14	3	28	8	96	0.01	0.0	15.696	0.147	0	0	0	12	L
L PL.31233	PL.31232	B	#4 ACSR	6.94Y	115.7	0.02	9.29	4.14	3	28	8	96	0.00	0.0	15.791	0.095	0	0	0	12	L
L PL.31525	PL.31233	B	#4 ACSR	6.94Y	115.7	0.02	9.31	4.14	3	28	8	96	0.00	0.0	15.886	0.095	0	0	0	12	L
L PL.31524	PL.31525	B	#4 ACSR	6.94Y	115.6	0.05	9.36	4.14	3	28	8	96	0.01	0.0	16.152	0.266	0	0	0	12	L
L PL.31526	PL.31524	B	#4 ACSR	6.94Y	115.6	0.00	9.36	4.14	3	28	8	96	0.00	0.0	16.177	0.025	0	0	0	12	L
L PL.31527	PL.31526	B	#4 ACSR	6.94Y	115.6	0.04	9.40	4.14	3	28	8	96	0.01	0.0	16.408	0.231	0	0	0	12	L
L PL.31234	PL.31527	B	#4 ACSR	6.93Y	115.6	0.02	9.43	4.14	3	28	8	96	0.00	0.0	16.529	0.121	0	0	0	12	L
L PL.31917	PL.31234	B	#4 ACSR	6.93Y	115.6	0.02	9.45	4.14	3	28	8	96	0.00	0.0	16.645	0.117	0	0	0	12	L
L PL.31918	PL.31917	B	#4 ACSR	6.93Y	115.5	0.02	9.46	4.14	3	28	8	96	0.00	0.0	16.740	0.095	0	0	0	12	L
L PL.31235	PL.31918	B	#4 ACSR	6.93Y	115.5	0.01	9.47	4.00	3	27	8	96	0.00	0.0	16.785	0.045	0	0	0	11	L
L PL.31528	PL.31235	B	#4 ACSR	6.93Y	115.5	0.04	9.52	4.00	3	27	8	96	0.01	0.0	17.034	0.248	0	0	0	11	L
L PL.31915	PL.31528	B	#4 ACSR	6.93Y	115.5	0.02	9.54	4.00	3	27	8	96	0.01	0.0	17.169	0.135	0	0	1	11	L
L PL.31916	PL.31915	B	#4 ACSR	6.93Y	115.4	0.03	9.57	4.00	3	27	8	96	0.01	0.0	17.334	0.165	0	0	0	10	L
L PL.31236	PL.31916	B	#4 ACSR	6.93Y	115.4	0.00	9.57	0.00	0	0	0	100	0.00	0.0	17.429	0.095	0	0	1	1	L
L PL.31237	PL.31916	B	#4 ACSR	6.92Y	115.4	0.04	9.61	4.00	3	27	8	96	0.01	0.0	17.545	0.211	0	0	0	9	L
L PL.31529	PL.31237	B	#4 ACSR	6.92Y	115.4	0.03	9.64	4.00	3	27	8	96	0.01	0.0	17.709	0.164	0	0	0	9	L
L PL.31530	PL.31529	B	#4 ACSR	6.92Y	115.3	0.03	9.67	4.00	3	27	8	96	0.01	0.0	17.873	0.164	0	0	0	9	L
L PL.31531	PL.31530	B	#4 ACSR	6.92Y	115.3	0.03	9.70	4.00	3	27	8	96	0.01	0.0	18.055	0.181	0	0	0	9	L
L PL.31532	PL.31531	B	#4 ACSR	6.92Y	115.3	0.02	9.72	4.00	3	27	8	96	0.00	0.0	18.166	0.111	0	0	1	9	L
L PL.31238	PL.31532	B	#4 ACSR	6.92Y	115.3	0.02	9.74	3.99	3	27	8	96	0.01	0.0	18.306	0.140	0	0	0	7	L
L PL.31533	PL.31238	B	#4 ACSR	6.91Y	115.2	0.03	9.78	3.99	3	27	8	96	0.01	0.0	18.491	0.185	0	0	0	7	L
L PL.31908	PL.31533	B	#4 ACSR	6.91Y	115.2	0.01	9.79	3.99	3	27	8	96	0.00	0.0	18.578	0.087	7	2	3	7	L
L PL.31909	PL.31908	B	#4 ACSR	6.91Y	115.2	0.01	9.81	2.89	2	19	6	95	0.00	0.0	18.692	0.114	0	0	0	4	L
L PL.31534	PL.31909	B	#4 ACSR	6.91Y	115.2	0.01	9.82	2.89	2	19	6	95	0.00	0.0	18.784	0.092	0	0	0	4	L

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Balanced Voltage Drop Report
Source: Greenhall

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.31714	PL.31534	B	#4 ACSR	6.91Y	115.2	0.01	9.83	2.89	2	19	6	95	0.00	0.0	18.884	0.100	0	0	0	4	L
L PL.31535	PL.31714	B	#4 ACSR	6.91Y	115.2	0.02	9.85	2.89	2	19	6	95	0.00	0.0	19.008	0.124	0	0	0	4	L
L PL.31536	PL.31535	B	#4 ACSR	6.91Y	115.1	0.02	9.87	2.89	2	19	6	95	0.00	0.0	19.157	0.149	0	0	0	4	L
L PL.31910	PL.31536	B	#4 ACSR	6.91Y	115.1	0.01	9.87	2.89	2	19	6	95	0.00	0.0	19.230	0.072	6	2	1	4	L
L PL.31911	PL.31910	B	#4 ACSR	6.91Y	115.1	0.01	9.88	1.91	1	13	4	96	0.00	0.0	19.337	0.107	0	0	1	3	L
L PL.31912	PL.31911	B	#4 ACSR	6.91Y	115.1	0.01	9.89	1.91	1	13	4	96	0.00	0.0	19.442	0.105	6	2	1	2	L
L PL.31913	PL.31912	B	#4 ACSR	6.91Y	115.1	0.01	9.90	0.98	1	7	2	96	0.00	0.0	19.630	0.188	0	0	0	1	L
L PL.31914	PL.31913	B	#4 ACSR	6.91Y	115.1	0.01	9.90	0.98	1	7	2	96	0.00	0.0	19.754	0.125	0	0	0	1	L
L PL.31537	PL.31914	B	#4 ACSR	6.91Y	115.1	0.01	9.91	0.98	1	7	2	96	0.00	0.0	19.925	0.170	0	0	0	1	L
L PL.31240	PL.31537	B	#4 ACSR	6.91Y	115.1	0.00	9.91	0.98	1	7	2	96	0.00	0.0	19.966	0.041	7	2	1	1	L
L PL.31239	PL.31532	B	#2 ACSR	6.92Y	115.3	0.00	9.72	0.00	0	0	0	100	0.00	0.0	18.297	0.131	0	0	1	1	L
L PL.30524	PL.31918	B	#4 ACSR	6.93Y	115.5	0.00	9.46	0.14	0	1	0	100	0.00	0.0	16.820	0.079	1	0	1	1	L
L PL.31231	PL.31520	B	#2 ACSR	6.95Y	115.8	0.00	9.16	0.01	0	0	0	100	0.00	0.0	15.137	0.018	0	0	1	1	L
L PL.31959	PL.31513	B	#4 ACSR	6.96Y	115.9	0.00	9.06	1.30	1	9	3	95	0.00	0.0	14.600	0.005	0	0	0	1	L
L PD.4283	PL.31959	B	15T	6.96Y	115.9	0.00	9.06	1.30	0	9	3	95	0.00	0.0	14.600	0.005	0	0	0	1	L
L PL.31960	PD.4283	B	#4 ACSR	6.96Y	115.9	0.01	9.07	1.30	1	9	3	95	0.00	0.0	14.720	0.120	0	0	0	1	L
L PL.31514	PL.31960	B	#4 ACSR	6.96Y	115.9	0.01	9.08	1.30	1	9	3	95	0.00	0.0	14.906	0.186	0	0	0	1	L
L PL.31515	PL.31514	B	#4 ACSR	6.96Y	115.9	0.00	9.08	1.30	1	9	3	95	0.00	0.0	14.972	0.066	0	0	0	1	L
L PL.31517	PL.31515	B	#4 ACSR	6.95Y	115.9	0.01	9.09	1.30	1	9	3	95	0.00	0.0	15.099	0.127	0	0	0	1	L
L PL.31516	PL.31517	B	#4 ACSR	6.95Y	115.9	0.01	9.10	1.30	1	9	3	95	0.00	0.0	15.261	0.162	0	0	0	1	L
L PL.31919	PL.31516	B	#4 ACSR	6.95Y	115.9	0.00	9.10	1.30	1	9	3	95	0.00	0.0	15.433	0.171	9	3	1	1	L
L PL.31920	PL.31919	B	#4 ACSR	6.95Y	115.9	0.00	9.10	0.00	0	0	0	100	0.00	0.0	15.479	0.046	0	0	0	0	L
L PL.30522	PL.31219	B	#4 ACSR	6.96Y	116.1	0.03	8.95	7.27	6	49	14	96	0.01	0.0	14.285	0.109	9	3	1	15	L
L PL.31957	PL.30522	B	#4 ACSR	6.96Y	116.0	0.00	8.95	5.90	5	39	11	96	0.00	0.0	14.290	0.005	0	0	0	14	L
L PD.4282	PL.31957	B	15T	6.96Y	116.0	0.00	8.95	5.90	0	39	11	96	0.00	0.0	14.290	0.005	0	0	0	14	L
L PL.31958	PD.4282	B	#4 ACSR	6.96Y	116.0	0.02	8.97	5.90	5	39	11	96	0.01	0.0	14.360	0.070	2	1	1	14	L
L PL.31221	PL.31958	B	6 A (CWC)	6.96Y	116.0	0.02	8.99	5.62	4	38	11	96	0.01	0.0	14.445	0.086	0	0	0	13	L
L PL.31509	PL.31221	B	6 A (CWC)	6.96Y	116.0	0.02	9.02	5.62	4	38	11	96	0.01	0.0	14.551	0.106	7	2	3	13	L
L PL.31955	PL.31509	B	#1/0 ACSR	6.96Y	116.0	0.00	9.02	1.43	1	10	3	96	0.00	0.0	14.556	0.005	0	0	0	3	L
L PD.4279	PL.31955	B	10T	6.96Y	116.0	0.00	9.02	1.43	0	10	3	96	0.00	0.0	14.556	0.005	0	0	0	3	L
L PL.31956	PD.4279	B	#1/0 ACSR	6.96Y	116.0	0.00	9.02	1.43	1	10	3	96	0.00	0.0	14.581	0.025	10	3	3	3	L

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Balanced Voltage Drop Report
Source: Greenhall

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.31774	PL.31509	B	6 A (CWC)	6.96Y	116.0	0.02	9.04	3.15	2	21	6	96	0.00	0.0	14.712	0.161	0	0	0	7	L
L PL.31775	PL.31774	B	6 A (CWC)	6.96Y	115.9	0.01	9.05	3.15	2	21	6	96	0.00	0.0	14.827	0.114	6	2	1	7	L
L PL.31773	PL.31775	B	6 A (CWC)	6.96Y	115.9	0.01	9.06	2.32	2	16	5	95	0.00	0.0	14.895	0.068	0	0	1	6	L
L PL.31772	PL.31773	B	6 A (CWC)	6.96Y	115.9	0.00	9.07	2.29	2	15	4	97	0.00	0.0	14.947	0.052	7	2	1	5	L
L PL.31771	PL.31772	B	6 A (CWC)	6.96Y	115.9	0.00	9.07	1.29	1	9	3	95	0.00	0.0	14.992	0.046	0	0	0	4	L
L PL.31222	PL.31771	B	6 A (CWC)	6.96Y	115.9	0.01	9.08	1.29	1	9	3	95	0.00	0.0	15.183	0.191	0	0	0	4	L
L PL.31223	PL.31222	B	6 A (CWC)	6.95Y	115.9	0.01	9.09	1.29	1	9	2	98	0.00	0.0	15.287	0.104	0	0	1	4	L
L PL.31752	PL.31223	B	#4 ACSR	6.95Y	115.9	0.00	9.09	1.25	1	8	2	97	0.00	0.0	15.320	0.033	5	1	2	3	L
L PL.31947	PL.31752	B	#4 ACSR	6.95Y	115.9	0.00	9.09	0.55	0	4	1	97	0.00	0.0	15.324	0.005	0	0	0	1	L
L PD.4275	PL.31947	B	10T	6.95Y	115.9	0.00	9.09	0.55	0	4	1	97	0.00	0.0	15.324	0.005	0	0	0	1	L
L PL.31948	PD.4275	B	#4 ACSR	6.95Y	115.9	0.00	9.09	0.55	0	4	1	97	0.00	0.0	15.415	0.091	4	1	1	1	L
L PL.32200	PL.31508	C	6 A (CWC)	6.98Y	116.3	0.05	8.72	41.91	30	280	85	96	0.10	0.0	13.841	0.024	0	0	0	83	L
RG.33	PL.32200	C	76.2 KVA	7.44Y	124.0	-7.75	0.97	41.91	42	280	85	96	percent Boost= 0.00 Tap= 0.0							83	
PL.32201	RG.33	C	6 A (CWC)	7.44Y	124.0	0.03	1.00	39.29	28	280	85	96	0.06	0.0	13.858	0.017	0	0	0	83	
PD.4400	PL.32201	C	70L	7.44Y	124.0	0.00	1.00	39.29	56	280	84	96	0.00	0.0	13.858	0.017	0	0	0	83	
PL.32187	PD.4400	C	6 A (CWC)	7.43Y	123.9	0.10	1.10	39.29	28	280	84	96	0.21	0.1	13.913	0.055	0	0	1	83	
PL.31242	PL.32187	C	6 A (CWC)	7.42Y	123.7	0.15	1.25	39.29	28	280	84	96	0.32	0.1	13.998	0.085	0	0	0	82	
PL.31352	PL.31242	C	6 A (CWC)	7.42Y	123.6	0.12	1.38	38.61	28	274	83	96	0.25	0.1	14.068	0.070	1	0	1	80	
PL.32103	PL.31352	C	#4 ACSR	7.42Y	123.6	0.00	1.38	0.07	0	1	0	100	0.00	0.0	14.072	0.004	0	0	0	4	
PD.4357	PL.32103	C	30T	7.42Y	123.6	0.00	1.38	0.07	0	1	0	100	0.00	0.0	14.072	0.004	0	0	0	4	
PL.32104	PD.4357	C	#4 ACSR	7.42Y	123.6	0.00	1.38	0.07	0	1	0	100	0.00	0.0	14.136	0.063	0	0	2	4	
PL.31907	PL.32104	C	#4 ACSR	7.42Y	123.6	0.00	1.38	0.06	0	0	0	100	0.00	0.0	14.172	0.037	0	0	1	2	
PL.31906	PL.31907	C	#4 ACSR	7.42Y	123.6	0.00	1.38	0.04	0	0	0	100	0.00	0.0	14.289	0.116	0	0	1	1	
PL.31904	PL.31352	C	6 A (CWC)	7.40Y	123.4	0.23	1.61	38.34	27	272	82	96	0.47	0.2	14.204	0.136	11	3	3	75	
PL.31905	PL.31904	C	6 A (CWC)	7.39Y	123.2	0.19	1.80	36.74	26	260	78	96	0.37	0.1	14.318	0.114	2	1	2	72	
PL.31903	PL.31905	C	6 A (CWC)	7.39Y	123.1	0.08	1.89	36.49	26	258	78	96	0.16	0.1	14.366	0.048	0	0	0	70	
PL.30513	PL.31903	C	6 A (CWC)	7.38Y	123.1	0.04	1.92	36.49	26	258	78	96	0.07	0.0	14.388	0.022	0	0	0	69	
PL.31901	PL.30513	C	6 A (CWC)	7.37Y	122.9	0.22	2.14	36.49	26	258	78	96	0.42	0.2	14.521	0.133	10	3	1	69	
PL.31902	PL.31901	C	6 A (CWC)	7.37Y	122.8	0.09	2.23	35.06	25	248	74	96	0.16	0.1	14.577	0.057	15	4	3	68	
PL.31900	PL.31902	C	6 A (CWC)	7.35Y	122.6	0.21	2.43	32.96	24	233	70	96	0.36	0.2	14.713	0.136	2	1	1	65	
PL.32183	PL.31900	C	6 A (CWC)	7.35Y	122.6	0.01	2.44	32.66	23	230	69	96	0.01	0.0	14.718	0.005	0	0	0	64	

KEY-> 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: Greenhall

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.4398-A	PL.32183	C	Closed	7.35Y	122.6	0.00	2.44	32.66	0	230	69	96	0.00	0.0	14.718	0.005	0	0	0	64
PD.4398-B	PD.4398-A	C	Closed	7.35Y	122.6	0.00	2.44	32.66	0	230	69	96	0.00	0.0	14.718	0.005	0	0	0	64
PL.32184	PD.4398-B	C	6 A (CWC)	7.34Y	122.3	0.23	2.67	32.66	23	230	69	96	0.39	0.2	14.869	0.152	0	0	0	64
PL.31540	PL.32184	C	6 A (CWC)	7.33Y	122.2	0.16	2.83	32.66	23	230	69	96	0.27	0.1	14.974	0.105	0	0	0	64
PL.31577	PL.31540	C	6 A (CWC)	7.32Y	122.0	0.14	2.96	32.66	23	229	69	96	0.24	0.1	15.066	0.092	0	0	0	64
PL.31245	PL.31577	C	6 A (CWC)	7.32Y	122.0	0.00	2.97	1.22	1	9	2	98	0.00	0.0	15.094	0.028	0	0	0	3
PL.30514	PL.31245	C	6 A (CWC)	7.32Y	122.0	0.00	2.97	0.02	0	0	0	100	0.00	0.0	15.219	0.125	0	0	0	1
PL.31247	PL.30514	C	#4 ACSR	7.32Y	122.0	0.00	2.97	0.02	0	0	0	100	0.00	0.0	15.289	0.070	0	0	1	1
PL.31244	PL.31245	C	6 A (CWC)	7.32Y	122.0	0.00	2.97	1.20	1	8	2	97	0.00	0.0	15.182	0.088	0	0	0	2
PL.31899	PL.31244	C	#2 ACSR	7.32Y	122.0	0.00	2.97	1.20	1	8	2	97	0.00	0.0	15.214	0.031	5	1	1	2
PL.31898	PL.31899	C	#2 ACSR	7.32Y	122.0	0.00	2.97	0.49	0	3	1	95	0.00	0.0	15.243	0.029	3	1	1	1
PL.31246	PL.31577	C	#4 ACSR	7.32Y	121.9	0.10	3.07	31.43	24	220	66	96	0.18	0.1	15.140	0.074	0	0	0	61
PL.31541	PL.31246	C	#4 ACSR	7.31Y	121.8	0.17	3.24	31.43	24	220	66	96	0.29	0.1	15.263	0.123	0	0	0	61
PL.31543	PL.31541	C	#4 ACSR	7.30Y	121.6	0.15	3.40	31.43	24	220	66	96	0.26	0.1	15.373	0.110	0	0	0	61
PL.31542	PL.31543	C	#4 ACSR	7.28Y	121.4	0.23	3.63	31.43	24	220	66	96	0.39	0.2	15.536	0.164	0	0	0	61
PL.31544	PL.31542	C	#4 ACSR	7.28Y	121.3	0.06	3.69	31.43	24	219	65	96	0.10	0.0	15.579	0.043	0	0	0	61
PL.31248	PL.31544	C	#4 ACSR	7.27Y	121.2	0.09	3.78	31.43	24	219	65	96	0.15	0.1	15.643	0.063	3	1	1	61
PL.31896	PL.31248	C	6 A (CWC)	7.26Y	121.0	0.23	4.00	30.99	22	216	64	96	0.36	0.2	15.804	0.161	10	3	1	60
PL.31897	PL.31896	C	6 A (CWC)	7.25Y	120.9	0.08	4.09	29.59	21	206	61	96	0.13	0.1	15.866	0.062	0	0	0	59
PL.32181	PL.31897	C	6 A (CWC)	7.25Y	120.9	0.01	4.09	29.59	21	206	61	96	0.01	0.0	15.871	0.005	0	0	0	59
PD.4397-A	PL.32181	C	Closed	7.25Y	120.9	0.00	4.09	29.59	0	206	61	96	0.00	0.0	15.871	0.005	0	0	0	59
PD.4397-B	PD.4397-A	C	Closed	7.25Y	120.9	0.00	4.09	29.59	0	206	61	96	0.00	0.0	15.871	0.005	0	0	0	59
PL.32182	PD.4397-B	C	6 A (CWC)	7.24Y	120.7	0.19	4.28	29.59	21	206	61	96	0.30	0.1	16.009	0.138	0	0	0	59
PL.31546	PL.32182	C	6 A (CWC)	7.24Y	120.6	0.10	4.38	29.59	21	205	61	96	0.16	0.1	16.084	0.075	0	0	0	59
PL.31545	PL.31546	C	6 A (CWC)	7.22Y	120.4	0.22	4.60	29.59	21	205	61	96	0.35	0.2	16.246	0.162	0	0	0	59
PL.31547	PL.31545	C	6 A (CWC)	7.21Y	120.2	0.17	4.77	29.59	21	205	61	96	0.26	0.1	16.368	0.123	0	0	0	59
PL.31548	PL.31547	C	6 A (CWC)	7.21Y	120.1	0.08	4.85	29.59	21	205	61	96	0.13	0.1	16.428	0.060	0	0	0	59
PL.31249	PL.31548	C	6 A (CWC)	7.20Y	120.0	0.12	4.97	29.59	21	205	60	96	0.18	0.1	16.514	0.086	0	0	0	59
PL.31549	PL.31249	C	6 A (CWC)	7.19Y	119.8	0.24	5.21	29.59	21	204	60	96	0.37	0.2	16.688	0.174	0	0	0	59
PL.31894	PL.31549	C	6 A (CWC)	7.18Y	119.6	0.16	5.37	29.59	21	204	60	96	0.25	0.1	16.808	0.120	3	1	1	59
PL.31895	PL.31894	C	6 A (CWC)	7.18Y	119.6	0.04	5.41	29.22	21	201	59	96	0.06	0.0	16.836	0.029	0	0	0	58

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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.32160	PL.31895	C	#1/0 ACSR	7.18Y	119.6	0.00	5.41	3.11	1	21	6	96	0.00	0.0	16.841	0.005	0	0	0	8
PD.4386	PL.32160	C	30T	7.18Y	119.6	0.00	5.41	3.11	0	21	6	96	0.00	0.0	16.841	0.005	0	0	0	8
PL.32159	PD.4386	C	#1/0 ACSR	7.17Y	119.6	0.01	5.42	3.11	1	21	6	96	0.00	0.0	16.999	0.158	0	0	0	8
PL.31250	PL.32159	C	#1/0 ACSR	7.17Y	119.6	0.02	5.44	3.11	1	21	6	96	0.00	0.0	17.237	0.238	0	0	0	8
PL.31880	PL.31250	C	#1/0 ACSR	7.17Y	119.6	0.01	5.44	3.11	1	21	6	96	0.00	0.0	17.338	0.101	0	0	1	8
PL.32177	PL.31880	C	#1/0 ACSR	7.17Y	119.6	0.00	5.44	3.05	1	21	6	96	0.00	0.0	17.342	0.005	0	0	0	7
PD.4395-A	PL.32177	C	Closed	7.17Y	119.6	0.00	5.44	3.05	0	21	6	96	0.00	0.0	17.342	0.005	0	0	0	7
PD.4395-B	PD.4395-A	C	Closed	7.17Y	119.6	0.00	5.44	3.05	0	21	6	96	0.00	0.0	17.342	0.005	0	0	0	7
PL.32178	PD.4395-B	C	#1/0 ACSR	7.17Y	119.5	0.01	5.45	3.05	1	21	6	96	0.00	0.0	17.458	0.116	0	0	0	7
PL.31879	PL.32178	C	#1/0 ACSR	7.17Y	119.5	0.00	5.45	3.05	1	21	6	96	0.00	0.0	17.490	0.032	0	0	0	7
PL.31207	PL.31879	C	#1/0 ACSR	7.17Y	119.5	0.01	5.47	3.05	1	21	6	96	0.00	0.0	17.663	0.173	0	0	0	7
PL.32175	PL.31207	C	#4 ACSR	7.17Y	119.5	0.00	5.47	3.05	2	21	6	96	0.00	0.0	17.668	0.005	0	0	0	7
PD.4394-A	PL.32175	C	Closed	7.17Y	119.5	0.00	5.47	3.05	0	21	6	96	0.00	0.0	17.668	0.005	0	0	0	7
PD.4394-B	PD.4394-A	C	Closed	7.17Y	119.5	0.00	5.47	3.05	0	21	6	96	0.00	0.0	17.668	0.005	0	0	0	7
PL.32176	PD.4394-B	C	#4 ACSR	7.17Y	119.5	0.02	5.49	3.05	2	21	6	96	0.00	0.0	17.821	0.153	0	0	0	7
PL.31550	PL.32176	C	#4 ACSR	7.17Y	119.5	0.01	5.50	3.05	2	21	6	96	0.00	0.0	17.899	0.078	0	0	0	7
PL.32173	PL.31550	C	#4 ACSR	7.17Y	119.5	0.00	5.50	0.16	0	1	0	100	0.00	0.0	17.903	0.005	0	0	0	2
PD.4393-A	PL.32173	C	Closed	7.17Y	119.5	0.00	5.50	0.16	0	1	0	100	0.00	0.0	17.903	0.005	0	0	0	2
PD.4393-B	PD.4393-A	C	Closed	7.17Y	119.5	0.00	5.50	0.16	0	1	0	100	0.00	0.0	17.903	0.005	0	0	0	2
PL.32174	PD.4393-B	C	#4 ACSR	7.17Y	119.5	0.00	5.50	0.16	0	1	0	100	0.00	0.0	18.002	0.099	0	0	0	2
PL.31551	PL.32174	C	#4 ACSR	7.17Y	119.5	0.00	5.50	0.16	0	1	0	100	0.00	0.0	18.170	0.167	0	0	0	2
PL.31552	PL.31551	C	#4 ACSR	7.17Y	119.5	0.00	5.50	0.16	0	1	0	100	0.00	0.0	18.283	0.114	0	0	0	2
PL.31716	PL.31552	C	#4 ACSR	7.17Y	119.5	0.00	5.50	0.16	0	1	0	100	0.00	0.0	18.373	0.089	0	0	0	2
PL.31553	PL.31716	C	#4 ACSR	7.17Y	119.5	0.00	5.50	0.16	0	1	0	100	0.00	0.0	18.447	0.074	1	0	2	2
PL.32155	PL.31550	C	#2 ACSR	7.17Y	119.5	0.00	5.50	2.89	2	20	6	96	0.00	0.0	17.903	0.005	0	0	0	5
PD.4384	PL.32155	C	20T	7.17Y	119.5	0.00	5.50	2.89	0	20	6	96	0.00	0.0	17.903	0.005	0	0	0	5
PL.32156	PD.4384	C	#2 ACSR	7.17Y	119.5	0.01	5.51	2.89	2	20	6	96	0.00	0.0	17.981	0.077	0	0	0	5
PL.31715	PL.32156	C	#2 ACSR	7.17Y	119.5	0.01	5.52	2.89	2	20	6	96	0.00	0.0	18.100	0.119	0	0	0	5
PL.31554	PL.31715	C	#2 ACSR	7.17Y	119.5	0.01	5.53	2.89	2	20	6	96	0.00	0.0	18.244	0.144	0	0	0	5
PL.31555	PL.31554	C	#2 ACSR	7.17Y	119.5	0.01	5.54	2.89	2	20	6	96	0.00	0.0	18.361	0.117	0	0	0	5
PL.31556	PL.31555	C	#2 ACSR	7.17Y	119.4	0.02	5.56	2.89	2	20	6	96	0.00	0.0	18.545	0.185	0	0	0	5

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

Balanced Voltage Drop Report
Source: Greenhall

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.31877	PL.31556	C	#2 ACSR	7.17Y	119.4	0.01	5.56	2.89	2	20	6	96	0.00	0.0	18.614	0.069	0	0	1	5
PL.31878	PL.31877	C	#2 ACSR	7.17Y	119.4	0.00	5.57	2.88	2	20	6	96	0.00	0.0	18.665	0.051	0	0	0	4
PL.31355	PL.31878	C	#2 ACSR	7.17Y	119.4	0.01	5.58	2.88	2	20	6	96	0.00	0.0	18.803	0.137	0	0	0	4
PL.31356	PL.31355	C	#2 ACSR	7.16Y	119.4	0.01	5.59	2.88	2	20	6	96	0.00	0.0	18.873	0.070	0	0	0	4
PL.31357	PL.31356	C	#2 ACSR	7.16Y	119.4	0.01	5.59	2.88	2	20	6	96	0.00	0.0	18.935	0.062	0	0	0	4
PL.31358	PL.31357	C	#2 ACSR	7.16Y	119.4	0.00	5.60	2.88	2	20	6	96	0.00	0.0	18.983	0.048	6	2	1	4
PL.31354	PL.31358	C	#2 ACSR	7.16Y	119.4	0.00	5.60	2.03	1	14	4	96	0.00	0.0	19.040	0.057	0	0	0	3
PL.31875	PL.31354	C	#2 ACSR	7.16Y	119.4	0.01	5.61	2.03	1	14	4	96	0.00	0.0	19.200	0.160	3	1	1	3
PL.31876	PL.31875	C	#2 ACSR	7.16Y	119.4	0.00	5.61	1.58	1	11	3	96	0.00	0.0	19.380	0.180	11	3	2	2
PL.31206	PL.31878	C	#2 ACSR	7.17Y	119.4	0.00	5.57	0.00	0	0	0	100	0.00	0.0	18.687	0.022	0	0	0	0
PL.32179	PL.31895	C	6 A (CWC)	7.18Y	119.6	0.01	5.41	26.11	19	180	53	96	0.01	0.0	16.841	0.005	0	0	0	50
PD.4396-A	PL.32179	C	Closed	7.18Y	119.6	0.00	5.41	26.11	0	180	53	96	0.00	0.0	16.841	0.005	0	0	0	50
PD.4396-B	PD.4396-A	C	Closed	7.18Y	119.6	0.00	5.41	26.11	0	180	53	96	0.00	0.0	16.841	0.005	0	0	0	50
PL.32180	PD.4396-B	C	6 A (CWC)	7.16Y	119.3	0.31	5.72	26.11	19	180	53	96	0.43	0.2	17.101	0.260	2	1	1	50
PL.31251	PL.32180	C	6 A (CWC)	7.15Y	119.1	0.18	5.90	25.80	18	177	52	96	0.24	0.1	17.252	0.150	0	0	0	49
PL.31557	PL.31251	C	6 A (CWC)	7.14Y	119.0	0.15	6.05	25.80	18	177	52	96	0.20	0.1	17.376	0.124	0	0	0	49
PL.31253	PL.31557	C	6 A (CWC)	7.13Y	118.8	0.16	6.21	25.80	18	177	52	96	0.22	0.1	17.512	0.136	1	0	1	49
PL.31892	PL.31253	C	6 A (CWC)	7.12Y	118.6	0.16	6.37	25.68	18	176	51	96	0.22	0.1	17.652	0.140	4	1	1	48
PL.31893	PL.31892	C	6 A (CWC)	7.11Y	118.6	0.06	6.43	25.14	18	172	50	96	0.08	0.0	17.704	0.052	6	2	1	47
PL.31255	PL.31893	C	6 A (CWC)	7.11Y	118.4	0.14	6.57	22.64	16	155	45	96	0.17	0.1	17.840	0.136	0	0	0	45
PL.31558	PL.31255	C	6 A (CWC)	7.10Y	118.4	0.06	6.63	22.64	16	154	45	96	0.07	0.0	17.895	0.055	0	0	0	45
PL.32101	PL.31558	C	#4 ACSR	7.10Y	118.4	0.00	6.63	1.14	1	8	2	97	0.00	0.0	17.899	0.005	0	0	0	2
PD.4356	PL.32101	C	30T	7.10Y	118.4	0.00	6.63	1.14	0	8	2	97	0.00	0.0	17.899	0.005	0	0	0	2
PL.32102	PD.4356	C	#4 ACSR	7.10Y	118.4	0.00	6.63	1.14	1	8	2	97	0.00	0.0	17.949	0.050	0	0	1	2
PL.31256	PL.32102	C	#1/0 ACSR	7.10Y	118.4	0.00	6.64	1.14	0	8	2	97	0.00	0.0	18.019	0.070	8	2	1	1
PL.30525	PL.31558	C	6 A (CWC)	7.10Y	118.3	0.04	6.67	21.49	15	147	43	96	0.05	0.0	17.937	0.042	0	0	0	43
PL.31257	PL.30525	C	#1/0 ACSR	7.10Y	118.3	0.00	6.67	0.77	0	5	2	93	0.00	0.0	17.941	0.005	0	0	0	4
PD.4355	PL.31257	C	30T	7.10Y	118.3	0.00	6.67	0.77	0	5	2	93	0.00	0.0	17.941	0.005	0	0	0	4
PL.30515	PD.4355	C	#1/0 ACSR	7.10Y	118.3	0.00	6.67	0.04	0	0	0	100	0.00	0.0	17.969	0.028	0	0	1	1
PL.31259	PD.4355	C	6 A (CWC)	7.10Y	118.3	0.00	6.67	0.73	1	5	1	98	0.00	0.0	18.027	0.086	5	1	3	3
PL.31258	PL.30525	C	6 A (CWC)	7.10Y	118.3	0.06	6.73	20.72	15	141	41	96	0.06	0.0	17.997	0.060	0	0	1	39

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Balanced Voltage Drop Report
Source: Greenhall

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.30516	PL.31258	C	6 A (CWC)	7.09Y	118.2	0.06	6.79	20.69	15	141	41	96	0.07	0.0	18.065	0.068	10	3	1	38	
PL.31890	PL.30516	C	6 A (CWC)	7.09Y	118.2	0.04	6.83	17.83	13	121	35	96	0.04	0.0	18.114	0.049	1	0	1	35	
PL.31891	PL.31890	C	6 A (CWC)	7.08Y	118.1	0.10	6.94	17.68	13	120	35	96	0.10	0.1	18.243	0.128	0	0	1	34	
L PL.31262	PL.31891	C	6 A (CWC)	7.08Y	118.0	0.09	7.03	15.03	11	102	30	96	0.07	0.1	18.376	0.133	6	2	2	30	L
L PL.30517	PL.31262	C	6 A (CWC)	7.07Y	117.9	0.08	7.11	13.49	10	92	27	96	0.06	0.1	18.513	0.137	3	1	1	26	L
L PL.32192	PL.30517	C	6 A (CWC)	7.07Y	117.9	0.02	7.13	9.56	7	65	19	96	0.01	0.0	18.568	0.055	0	0	0	23	L
L PD.4403	PL.32192	C	35L	7.07Y	117.9	0.00	7.13	9.56	27	65	19	96	0.00	0.0	18.568	0.055	0	0	0	23	L
L PL.32193	PD.4403	C	6 A (CWC)	7.07Y	117.9	0.01	7.15	9.56	7	65	19	96	0.01	0.0	18.595	0.026	0	0	0	23	L
L PL.32097	PL.32193	C	6 A (CWC)	7.07Y	117.9	0.00	7.15	1.60	1	11	3	96	0.00	0.0	18.599	0.005	0	0	0	5	L
L PD.4353	PL.32097	C	15T	7.07Y	117.9	0.00	7.15	1.60	0	11	3	96	0.00	0.0	18.599	0.005	0	0	0	5	L
L PL.32098	PD.4353	C	6 A (CWC)	7.07Y	117.8	0.01	7.15	1.60	1	11	3	96	0.00	0.0	18.705	0.105	0	0	0	5	L
L PL.31559	PL.32098	C	6 A (CWC)	7.07Y	117.8	0.01	7.16	1.60	1	11	3	96	0.00	0.0	18.854	0.150	0	0	0	5	L
L PL.31560	PL.31559	C	6 A (CWC)	7.07Y	117.8	0.00	7.17	1.60	1	11	3	96	0.00	0.0	18.920	0.065	2	0	1	5	L
L PL.31270	PL.31560	C	6 A (CWC)	7.07Y	117.8	0.00	7.17	1.37	1	9	3	95	0.00	0.0	18.942	0.022	0	0	0	4	L
L PL.31884	PL.31270	C	6 A (CWC)	7.07Y	117.8	0.00	7.17	0.28	0	2	1	89	0.00	0.0	19.005	0.063	2	1	2	2	L
L PL.31885	PL.31884	C	6 A (CWC)	7.07Y	117.8	0.00	7.17	0.00	0	0	0	100	0.00	0.0	19.085	0.081	0	0	0	0	L
L PL.31271	PL.31270	C	6 A (CWC)	7.07Y	117.8	0.00	7.17	1.08	1	7	2	96	0.00	0.0	19.007	0.065	6	2	1	2	L
L PL.31883	PL.31271	C	#2 ACSR	7.07Y	117.8	0.00	7.17	0.15	0	1	0	100	0.00	0.0	19.045	0.038	1	0	1	1	L
L PL.32099	PL.31883	C	#2 ACSR	7.07Y	117.8	0.00	7.17	0.00	0	0	0	100	0.00	0.0	19.050	0.005	0	0	0	0	L
L PD.4354	PL.32099	C	10T	7.07Y	117.8	0.00	7.17	0.00	0	0	0	100	0.00	0.0	19.050	0.005	0	0	0	0	L
L PL.32100	PD.4354	C	#2 ACSR	7.07Y	117.8	0.00	7.17	0.00	0	0	0	100	0.00	0.0	19.084	0.034	0	0	0	0	L
L PL.31272	PL.32100	C	#2 ACSR	7.07Y	117.8	0.00	7.17	0.00	0	0	0	100	0.00	0.0	19.165	0.081	0	0	0	0	L
L PL.31561	PL.31272	C	#2 ACSR	7.07Y	117.8	0.00	7.17	0.00	0	0	0	100	0.00	0.0	19.305	0.140	0	0	0	0	L
L PL.31562	PL.31561	C	#2 ACSR	7.07Y	117.8	0.00	7.17	0.00	0	0	0	100	0.00	0.0	19.465	0.160	0	0	0	0	L
L PL.31563	PL.31562	C	#2 ACSR	7.07Y	117.8	0.00	7.17	0.00	0	0	0	100	0.00	0.0	19.628	0.163	0	0	0	0	L
L PL.31564	PL.31563	C	#2 ACSR	7.07Y	117.8	0.00	7.17	0.00	0	0	0	100	0.00	0.0	19.729	0.101	0	0	0	0	L
L PL.31268	PL.32193	C	#4 ACSR	7.07Y	117.8	0.01	7.16	7.96	6	54	16	96	0.01	0.0	18.629	0.034	0	0	0	18	L
L PL.31269	PL.31268	C	6 A (CWC)	7.07Y	117.8	0.05	7.21	7.96	6	54	16	96	0.02	0.0	18.770	0.141	0	0	0	18	L
L PL.31565	PL.31269	C	6 A (CWC)	7.07Y	117.8	0.03	7.24	7.96	6	54	16	96	0.01	0.0	18.841	0.071	0	0	0	18	L
L PL.32095	PL.31565	C	#4 ACSR	7.07Y	117.8	0.00	7.24	0.18	0	1	0	100	0.00	0.0	18.846	0.005	0	0	0	1	L
L PD.4352	PL.32095	C	15T	7.07Y	117.8	0.00	7.24	0.18	0	1	0	100	0.00	0.0	18.846	0.005	0	0	0	1	L

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Balanced Voltage Drop Report
Source: Greenhall

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.32096	PD.4352	C	#4 ACSR	7.07Y	117.8	0.00	7.24	0.18	0	1	0	100	0.00	0.0	18.943	0.097	0	0	0	1	L
L PL.31566	PL.32096	C	#4 ACSR	7.07Y	117.8	0.00	7.24	0.18	0	1	0	100	0.00	0.0	19.057	0.114	0	0	0	1	L
L PL.31576	PL.31566	C	#4 ACSR	7.07Y	117.8	0.00	7.24	0.18	0	1	0	100	0.00	0.0	19.173	0.116	1	0	1	1	L
L PL.30519	PL.31565	C	6 A (CWC)	7.06Y	117.7	0.05	7.29	7.78	6	53	15	96	0.02	0.0	18.989	0.147	0	0	0	17	L
L PL.31274	PL.30519	C	6 A (CWC)	7.06Y	117.7	0.02	7.31	7.78	6	53	15	96	0.01	0.0	19.058	0.069	0	0	1	17	L
L PL.31870	PL.31274	C	6 A (CWC)	7.06Y	117.7	0.03	7.34	6.68	5	45	13	96	0.01	0.0	19.145	0.087	2	1	1	13	L
L PL.31871	PL.31870	C	6 A (CWC)	7.06Y	117.6	0.04	7.37	6.36	5	43	13	96	0.01	0.0	19.267	0.123	0	0	0	12	L
L PL.31569	PL.31871	C	6 A (CWC)	7.06Y	117.6	0.02	7.40	6.36	5	43	13	96	0.01	0.0	19.347	0.079	0	0	0	12	L
L PL.31277	PL.31569	C	6 A (CWC)	7.06Y	117.6	0.00	7.40	6.36	5	43	13	96	0.00	0.0	19.363	0.017	0	0	0	12	L
L PL.31868	PL.31277	C	6 A (CWC)	7.05Y	117.6	0.02	7.43	5.03	4	34	10	96	0.01	0.0	19.470	0.106	3	1	1	10	L
L PL.31869	PL.31868	C	6 A (CWC)	7.05Y	117.5	0.03	7.46	4.59	3	31	9	96	0.01	0.0	19.618	0.148	0	0	0	9	L
L PL.31570	PL.31869	C	6 A (CWC)	7.05Y	117.5	0.01	7.47	4.59	3	31	9	96	0.00	0.0	19.669	0.051	0	0	0	9	L
L PL.32089	PL.31570	C	#4 ACSR	7.05Y	117.5	0.00	7.47	0.79	1	5	2	93	0.00	0.0	19.674	0.005	0	0	0	1	L
L PD.4349	PL.32089	C	15T	7.05Y	117.5	0.00	7.47	0.79	0	5	2	93	0.00	0.0	19.674	0.005	0	0	0	1	L
L PL.32090	PD.4349	C	#4 ACSR	7.05Y	117.5	0.00	7.47	0.79	1	5	2	93	0.00	0.0	19.737	0.063	5	2	1	1	L
L PL.30521	PL.31570	C	6 A (CWC)	7.05Y	117.5	0.02	7.49	3.80	3	26	7	97	0.00	0.0	19.771	0.102	0	0	0	8	L
L PL.31278	PL.30521	C	6 A (CWC)	7.05Y	117.5	0.02	7.51	3.80	3	26	7	97	0.00	0.0	19.892	0.121	4	1	1	8	L
L PL.31279	PL.31278	C	#4 ACSR	7.05Y	117.5	0.00	7.51	1.30	1	9	3	95	0.00	0.0	19.936	0.044	9	3	2	2	L
L PL.31866	PL.31278	C	6 A (CWC)	7.05Y	117.5	0.00	7.51	1.87	1	13	4	96	0.00	0.0	19.932	0.040	1	0	1	5	L
L PL.31867	PL.31866	C	6 A (CWC)	7.05Y	117.5	0.00	7.51	1.70	1	12	3	97	0.00	0.0	19.978	0.046	4	1	1	4	L
L PL.31865	PL.31867	C	6 A (CWC)	7.05Y	117.5	0.01	7.52	1.15	1	8	2	97	0.00	0.0	20.149	0.171	0	0	0	3	L
L PL.31863	PL.31865	C	6 A (CWC)	7.05Y	117.5	0.00	7.52	0.51	0	3	1	95	0.00	0.0	20.265	0.116	2	1	1	2	L
L PL.31864	PL.31863	C	6 A (CWC)	7.05Y	117.5	0.00	7.52	0.17	0	1	0	100	0.00	0.0	20.387	0.122	0	0	0	1	L
L PL.31571	PL.31864	C	6 A (CWC)	7.05Y	117.5	0.00	7.52	0.17	0	1	0	100	0.00	0.0	20.533	0.146	0	0	0	1	L
L PL.31861	PL.31571	C	6 A (CWC)	7.05Y	117.5	0.00	7.53	0.17	0	1	0	100	0.00	0.0	20.585	0.053	1	0	1	1	L
L PL.31862	PL.31861	C	6 A (CWC)	7.05Y	117.5	0.00	7.53	0.00	0	0	0	100	0.00	0.0	20.642	0.057	0	0	0	0	L
L PL.32341	PL.31862	C	6 A (CWC)	7.05Y	117.5	0.00	7.53	0.00	0	0	0	100	0.00	0.0	20.647	0.005	0	0	0	0	L
L PD.4461-B	PL.32341	C	Open	7.05Y	117.5	0.00	7.53	0.00	0	0	0	100	0.00	0.0	20.647	0.005	0	0	0	0	L
L PL.31280	PL.31865	C	#4 ACSR	7.05Y	117.5	0.00	7.52	0.65	0	4	1	97	0.00	0.0	20.165	0.016	4	1	1	1	L
L PL.32091	PL.31277	C	6 A (CWC)	7.06Y	117.6	0.00	7.40	1.33	1	9	3	95	0.00	0.0	19.367	0.004	0	0	0	2	L
L PD.4350	PL.32091	C	15T	7.06Y	117.6	0.00	7.40	1.33	0	9	3	95	0.00	0.0	19.367	0.004	0	0	0	2	L

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

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	
L PL.32092	PD.4350	C	6 A (CWC)	7.06Y	117.6	0.00	7.40	1.33	1	9	3	95	0.00	0.0	19.403	0.035	9	3	2	2	L
L PL.32093	PL.31274	C	6 A (CWC)	7.06Y	117.7	0.00	7.31	1.03	1	7	2	96	0.00	0.0	19.063	0.005	0	0	0	3	L
L PD.4351	PL.32093	C	15T	7.06Y	117.7	0.00	7.31	1.03	0	7	2	96	0.00	0.0	19.063	0.005	0	0	0	3	L
L PL.32094	PD.4351	C	6 A (CWC)	7.06Y	117.7	0.00	7.32	1.03	1	7	2	96	0.00	0.0	19.144	0.082	4	1	1	3	L
L PL.31872	PL.32094	C	6 A (CWC)	7.06Y	117.7	0.00	7.32	0.38	0	3	1	95	0.00	0.0	19.196	0.052	0	0	0	2	L
L PL.31275	PL.31872	C	6 A (CWC)	7.06Y	117.7	0.00	7.32	0.38	0	3	1	95	0.00	0.0	19.238	0.042	0	0	1	2	L
L PL.31276	PL.31275	C	6 A (CWC)	7.06Y	117.7	0.00	7.32	0.37	0	3	1	95	0.00	0.0	19.317	0.079	3	1	1	1	L
L PL.31267	PL.30517	C	6 A (CWC)	7.07Y	117.9	0.01	7.12	3.43	2	23	7	96	0.00	0.0	18.560	0.047	8	2	1	2	L
L PL.31266	PL.31267	C	#4 ACSR	7.07Y	117.9	0.00	7.12	2.20	2	15	4	97	0.00	0.0	18.610	0.050	15	4	1	1	L
L PL.31264	PL.31262	C	6 A (CWC)	7.08Y	118.0	0.00	7.03	0.65	0	4	1	97	0.00	0.0	18.393	0.018	0	0	0	2	L
L PL.30518	PL.31264	C	6 A (CWC)	7.08Y	118.0	0.00	7.03	0.25	0	2	0	100	0.00	0.0	18.430	0.036	2	0	1	1	L
L PL.31265	PL.31264	C	#4 ACSR	7.08Y	118.0	0.00	7.03	0.40	0	3	1	95	0.00	0.0	18.445	0.052	3	1	1	1	L
PL.31881	PL.31891	C	6 A (CWC)	7.08Y	118.1	0.00	6.94	1.43	1	10	3	96	0.00	0.0	18.277	0.034	5	1	1	2	
PL.31882	PL.31881	C	6 A (CWC)	7.08Y	118.1	0.00	6.94	0.75	1	5	1	98	0.00	0.0	18.323	0.047	0	0	0	1	
PL.30520	PL.31882	C	6 A (CWC)	7.08Y	118.1	0.00	6.94	0.00	0	0	0	100	0.00	0.0	18.346	0.023	0	0	0	0	
PL.31263	PL.31882	C	#4 ACSR	7.08Y	118.1	0.00	6.94	0.75	1	5	1	98	0.00	0.0	18.415	0.092	5	1	1	1	
PL.31260	PL.31891	C	6 A (CWC)	7.08Y	118.1	0.00	6.94	1.22	1	8	2	97	0.00	0.0	18.318	0.075	8	2	1	1	
PL.31261	PL.31891	C	#2 ACSR	7.08Y	118.1	0.00	6.94	0.00	0	0	0	100	0.00	0.0	18.297	0.054	0	0	0	0	
PL.31888	PL.30516	C	6 A (CWC)	7.09Y	118.2	0.00	6.80	1.33	1	9	3	95	0.00	0.0	18.185	0.120	7	2	1	2	
PL.31889	PL.31888	C	6 A (CWC)	7.09Y	118.2	0.00	6.80	0.30	0	2	1	89	0.00	0.0	18.288	0.103	0	0	0	1	
PL.31886	PL.31889	C	#4 ACSR	7.09Y	118.2	0.00	6.80	0.30	0	2	1	89	0.00	0.0	18.345	0.056	2	1	1	1	
PL.31887	PL.31886	C	#4 ACSR	7.09Y	118.2	0.00	6.80	0.00	0	0	0	100	0.00	0.0	18.395	0.050	0	0	0	0	
PL.31254	PL.31893	C	#1/0 ACSR	7.11Y	118.6	0.00	6.43	1.64	1	11	3	96	0.00	0.0	17.780	0.076	11	3	1	1	
PL.31252	PL.31557	C	#2 ACSR	7.14Y	119.0	0.00	6.05	0.00	0	0	0	100	0.00	0.0	17.426	0.050	0	0	0	0	
PL.31243	PL.31903	C	#1/0 ACSR	7.39Y	123.1	0.00	1.89	0.00	0	0	0	100	0.00	0.0	14.413	0.048	0	0	1	1	
PL.32105	PL.31242	C	6 A (CWC)	7.42Y	123.7	0.00	1.25	0.68	0	5	1	98	0.00	0.0	14.002	0.005	0	0	0	2	
PD.4358	PL.32105	C	30T	7.42Y	123.7	0.00	1.25	0.68	0	5	1	98	0.00	0.0	14.002	0.005	0	0	0	2	
PL.32106	PD.4358	C	6 A (CWC)	7.42Y	123.7	0.00	1.25	0.68	0	5	1	98	0.00	0.0	14.053	0.050	5	1	2	2	
L PL.31209	PL.31348	C	6 A (CWC)	6.99Y	116.5	0.00	8.47	3.75	3	25	7	96	0.00	0.0	13.253	0.004	0	0	0	6	L
L PD.4281	PL.31209	C	40T	6.99Y	116.5	0.00	8.47	3.75	0	25	7	96	0.00	0.0	13.253	0.004	0	0	0	6	L
L PL.31208	PD.4281	C	6 A (CWC)	6.99Y	116.5	0.00	8.48	2.41	2	16	5	95	0.00	0.0	13.332	0.078	16	5	2	2	L

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

Balanced Voltage Drop Report
Source: Greenhall

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.31349	PD.4281	C	6 A (CWC)	6.99Y	116.5	0.00	8.47	1.34	1	9	3	95	0.00	0.0	13.282	0.029	0	0	0	4	L
L PL.31350	PL.31349	C	6 A (CWC)	6.99Y	116.5	0.00	8.48	1.07	1	7	2	96	0.00	0.0	13.333	0.051	0	0	0	3	L
L PL.31351	PL.31350	C	6 A (CWC)	6.99Y	116.5	0.00	8.48	0.43	0	3	1	95	0.00	0.0	13.406	0.073	0	0	0	1	L
L PL.31212	PL.31351	C	6 A (CWC)	6.99Y	116.5	0.00	8.48	0.43	0	3	1	95	0.00	0.0	13.416	0.010	3	1	1	1	L
L PL.31211	PL.31350	C	6 A (CWC)	6.99Y	116.5	0.00	8.48	0.64	0	4	1	97	0.00	0.0	13.444	0.111	4	1	2	2	L
L PL.31210	PL.31349	C	#1/0 ACSR	6.99Y	116.5	0.00	8.47	0.27	0	2	1	89	0.00	0.0	13.322	0.040	2	1	1	1	L
L PL.31963	PL.31506	C	6 A (CWC)	6.99Y	116.6	0.00	8.42	1.37	1	9	3	95	0.00	0.0	13.129	0.005	0	0	0	1	L
L PD.4285	PL.31963	C	40T	6.99Y	116.6	0.00	8.42	1.37	0	9	3	95	0.00	0.0	13.129	0.005	0	0	0	1	L
L PL.31964	PD.4285	C	6 A (CWC)	6.99Y	116.6	0.00	8.42	1.37	1	9	3	95	0.00	0.0	13.194	0.064	9	3	1	1	L
L PL.31975	PL.31346	A	#2 ACSR	7.02Y	117.1	0.00	7.94	0.07	0	0	0	100	0.00	0.0	11.991	0.005	0	0	0	1	L
L PD.4291	PL.31975	A	40T	7.02Y	117.1	0.00	7.94	0.07	0	0	0	100	0.00	0.0	11.991	0.005	0	0	0	1	L
L PL.31976	PD.4291	A	#2 ACSR	7.02Y	117.1	0.00	7.94	0.07	0	0	0	100	0.00	0.0	12.033	0.042	0	0	1	1	L
L PL.31977	PL.31803	A	6 A (CWC)	7.03Y	117.1	0.00	7.89	1.39	1	9	3	95	0.00	0.0	11.889	0.005	0	0	0	1	L
L PD.4292	PL.31977	A	40T	7.03Y	117.1	0.00	7.89	1.39	0	9	3	95	0.00	0.0	11.889	0.005	0	0	0	1	L
L PL.31978	PD.4292	A	6 A (CWC)	7.03Y	117.1	0.00	7.89	1.39	1	9	3	95	0.00	0.0	11.993	0.104	9	3	1	1	L
L PL.31973	PL.32197	A	#1/0 ACSR	7.03Y	117.2	0.00	7.81	1.25	1	8	2	97	0.00	0.0	11.720	0.005	0	0	0	1	L
L PD.4290	PL.31973	A	40T	7.03Y	117.2	0.00	7.81	1.25	0	8	2	97	0.00	0.0	11.720	0.005	0	0	0	1	L
L PL.31974	PD.4290	A	#1/0 ACSR	7.03Y	117.2	0.00	7.81	1.25	1	8	2	97	0.00	0.0	11.734	0.014	8	2	1	1	L
L CP.46	PL.32196	ABC	Cap (300)	7.03Y	117.2	0.00	7.78	0.00	0	0	0	100	0.00	0.0	11.658	0.014	0	0	0	0	L
L PL.31971	PL.31798	A	6 A (CWC)	7.04Y	117.3	0.00	7.73	4.32	3	29	8	96	0.00	0.0	11.552	0.005	0	0	0	3	L
L PD.4289	PL.31971	A	40T	7.04Y	117.3	0.00	7.73	4.32	0	29	8	96	0.00	0.0	11.552	0.005	0	0	0	3	L
L PL.31972	PD.4289	A	6 A (CWC)	7.03Y	117.2	0.02	7.75	4.32	3	29	8	96	0.00	0.0	11.709	0.158	16	5	2	3	L
L PL.31795	PL.31972	A	6 A (CWC)	7.03Y	117.2	0.00	7.76	1.94	1	13	4	96	0.00	0.0	11.756	0.046	0	0	0	1	L
L PL.31724	PL.31795	A	6 A (CWC)	7.03Y	117.2	0.02	7.77	1.94	1	13	4	96	0.00	0.0	11.929	0.174	0	0	0	1	L
L PL.31725	PL.31724	A	6 A (CWC)	7.03Y	117.2	0.00	7.77	0.00	0	0	0	100	0.00	0.0	12.007	0.077	0	0	0	0	L
L PL.31790	PL.31724	A	#4 ACSR	7.03Y	117.2	0.00	7.78	1.94	1	13	4	96	0.00	0.0	11.989	0.059	13	4	1	1	L
L PL.31791	PL.31790	A	#4 ACSR	7.03Y	117.2	0.00	7.78	0.00	0	0	0	100	0.00	0.0	12.066	0.077	0	0	0	0	L
L PL.31204	PL.31791	A	#4 ACSR	7.03Y	117.2	0.00	7.78	0.00	0	0	0	100	0.00	0.0	12.174	0.108	0	0	0	0	L
L PL.31983	PL.31343	B	6 A (CWC)	7.05Y	117.5	0.00	7.53	4.72	3	32	9	96	0.00	0.0	11.147	0.005	0	0	0	11	L
L PD.4295	PL.31983	B	25T	7.05Y	117.5	0.00	7.53	4.72	0	32	9	96	0.00	0.0	11.147	0.005	0	0	0	11	L
L PL.31984	PD.4295	B	6 A (CWC)	7.05Y	117.5	0.01	7.54	4.72	3	32	9	96	0.00	0.0	11.187	0.040	0	0	0	11	L

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Balanced Voltage Drop Report
Source: Greenhall

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.31196	PL.31984	B	6 A (CWC)	7.05Y	117.4	0.02	7.56	4.72	3	32	9	96	0.01	0.0	11.294	0.107	0	0	0	11	L
L PL.31195	PL.31196	B	6 A (CWC)	7.05Y	117.4	0.02	7.58	4.72	3	32	9	96	0.01	0.0	11.400	0.106	0	0	0	11	L
L PL.31500	PL.31195	B	6 A (CWC)	7.04Y	117.4	0.02	7.61	4.72	3	32	9	96	0.01	0.0	11.513	0.113	0	0	0	11	L
L PL.31501	PL.31500	B	6 A (CWC)	7.04Y	117.4	0.03	7.64	4.72	3	32	9	96	0.01	0.0	11.653	0.140	0	0	0	11	L
L PL.31792	PL.31501	B	6 A (CWC)	7.04Y	117.4	0.01	7.64	4.72	3	32	9	96	0.00	0.0	11.691	0.038	1	0	1	11	L
L PL.31793	PL.31792	B	6 A (CWC)	7.04Y	117.3	0.01	7.65	4.62	3	31	9	96	0.00	0.0	11.724	0.033	6	2	1	10	L
L PL.31794	PL.31793	B	6 A (CWC)	7.04Y	117.3	0.03	7.68	3.69	3	25	7	96	0.00	0.0	11.895	0.171	5	1	1	9	L
L PL.31198	PL.31794	B	6 A (CWC)	7.04Y	117.3	0.00	7.68	0.01	0	0	0	100	0.00	0.0	11.997	0.102	0	0	0	2	L
L PL.31502	PL.31198	B	6 A (CWC)	7.04Y	117.3	0.00	7.68	0.01	0	0	0	100	0.00	0.0	12.148	0.151	0	0	0	2	L
L PL.31503	PL.31502	B	6 A (CWC)	7.04Y	117.3	0.00	7.68	0.01	0	0	0	100	0.00	0.0	12.262	0.114	0	0	0	2	L
L PL.31505	PL.31503	B	6 A (CWC)	7.04Y	117.3	0.00	7.68	0.01	0	0	0	100	0.00	0.0	12.387	0.125	0	0	0	2	L
L PL.31504	PL.31505	B	6 A (CWC)	7.04Y	117.3	0.00	7.68	0.01	0	0	0	100	0.00	0.0	12.501	0.114	0	0	0	2	L
L PL.31205	PL.31504	B	6 A (CWC)	7.04Y	117.3	0.00	7.68	0.01	0	0	0	100	0.00	0.0	12.569	0.069	0	0	0	2	L
L PL.31789	PL.31205	B	6 A (CWC)	7.04Y	117.3	0.00	7.68	0.01	0	0	0	100	0.00	0.0	12.614	0.045	0	0	1	2	L
L PL.31788	PL.31789	B	6 A (CWC)	7.04Y	117.3	0.00	7.68	0.00	0	0	0	100	0.00	0.0	12.699	0.085	0	0	1	1	L
L PL.31197	PL.31794	B	6 A (CWC)	7.04Y	117.3	0.01	7.69	2.95	2	20	6	96	0.00	0.0	11.994	0.100	3	1	1	6	L
L PL.31199	PL.31197	B	#4 ACSR	7.04Y	117.3	0.01	7.70	2.45	2	17	5	96	0.00	0.0	12.061	0.066	7	2	2	5	L
L PL.31201	PL.31199	B	#1/0 ACSR	7.04Y	117.3	0.00	7.70	0.49	0	3	1	95	0.00	0.0	12.133	0.073	0	0	0	1	L
L PL.31202	PL.31201	B	#1/0 ACSR	7.04Y	117.3	0.00	7.70	0.49	0	3	1	95	0.00	0.0	12.174	0.041	3	1	1	1	L
L PL.31200	PL.31199	B	6 A (CWC)	7.04Y	117.3	0.00	7.70	0.91	1	6	2	95	0.00	0.0	12.136	0.076	6	2	2	2	L
L PL.31985	PL.31807	A	6 A (CWC)	7.06Y	117.7	0.00	7.29	8.52	6	58	17	96	0.00	0.0	10.717	0.005	0	0	0	13	L
L PD.4296	PL.31985	A	40T	7.06Y	117.7	0.00	7.29	8.52	0	58	17	96	0.00	0.0	10.717	0.005	0	0	0	13	L
L PL.31986	PD.4296	A	6 A (CWC)	7.06Y	117.7	0.04	7.33	8.52	6	58	17	96	0.02	0.0	10.812	0.095	0	0	0	13	L
L PL.31829	PL.31986	A	6 A (CWC)	7.06Y	117.6	0.04	7.37	7.01	5	47	14	96	0.02	0.0	10.939	0.127	0	0	0	10	L
L PL.31830	PL.31829	A	6 A (CWC)	7.06Y	117.6	0.03	7.40	7.01	5	47	14	96	0.01	0.0	11.042	0.103	0	0	0	10	L
L PL.31189	PL.31830	A	#4 ACSR	7.06Y	117.6	0.01	7.41	1.74	1	12	3	97	0.00	0.0	11.151	0.109	7	2	1	2	L
L PL.31190	PL.31189	A	#2 ACSR	7.06Y	117.6	0.00	7.41	0.69	0	5	1	98	0.00	0.0	11.170	0.019	5	1	1	1	L
L PL.31342	PL.31830	A	6 A (CWC)	7.06Y	117.6	0.01	7.41	5.27	4	36	10	96	0.00	0.0	11.081	0.039	0	0	0	8	L
L PL.31191	PL.31342	A	6 A (CWC)	7.05Y	117.6	0.01	7.43	5.27	4	36	10	96	0.00	0.0	11.144	0.063	4	1	2	8	L
L PL.31192	PL.31191	A	#4 ACSR	7.05Y	117.6	0.02	7.44	4.72	4	32	9	96	0.00	0.0	11.220	0.076	0	0	0	6	L
L PL.31726	PL.31192	A	#4 ACSR	7.05Y	117.6	0.01	7.45	1.88	1	13	4	96	0.00	0.0	11.294	0.074	0	0	0	3	L

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Balanced Voltage Drop Report
Source: Greenhall

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.31727	PL.31726	A	#4 ACSR	7.05Y	117.6	0.00	7.45	0.00	0	0	0	100	0.00	0.0	11.329	0.035	0	0	0	0	L
L PL.31728	PL.31726	A	#4 ACSR	7.05Y	117.5	0.01	7.46	1.88	1	13	4	96	0.00	0.0	11.368	0.074	0	0	0	3	L
L PL.31729	PL.31728	A	#4 ACSR	7.05Y	117.5	0.00	7.46	1.88	1	13	4	96	0.00	0.0	11.452	0.084	13	4	2	2	L
L PL.31193	PL.31728	A	#4 ACSR	7.05Y	117.5	0.00	7.46	0.00	0	0	0	100	0.00	0.0	11.403	0.034	0	0	1	1	L
L PL.31831	PL.31192	A	#4 ACSR	7.05Y	117.5	0.01	7.45	2.84	2	19	6	95	0.00	0.0	11.333	0.113	9	3	2	3	L
L PL.31832	PL.31831	A	#4 ACSR	7.05Y	117.5	0.00	7.46	1.54	1	10	3	96	0.00	0.0	11.377	0.044	0	0	0	1	L
L PL.31833	PL.31832	A	#4 ACSR	7.05Y	117.5	0.00	7.46	1.54	1	10	3	96	0.00	0.0	11.437	0.060	10	3	1	1	L
L PL.31188	PL.31986	A	#4 ACSR	7.06Y	117.7	0.00	7.33	0.55	0	4	1	97	0.00	0.0	10.885	0.073	4	1	1	1	L
L PL.31808	PL.31986	A	6 A (CWC)	7.06Y	117.7	0.00	7.33	0.96	1	7	2	96	0.00	0.0	10.863	0.051	5	1	1	2	L
L PL.31809	PL.31808	A	6 A (CWC)	7.06Y	117.7	0.00	7.33	0.24	0	2	0	100	0.00	0.0	10.872	0.009	2	0	1	1	L
L PL.32153	PL.31807	C	#2 ACSR	7.06Y	117.7	0.00	7.29	1.13	1	8	2	97	0.00	0.0	10.717	0.005	0	0	0	1	L
L PD.4383	PL.32153	C	40T	7.06Y	117.7	0.00	7.29	1.13	0	8	2	97	0.00	0.0	10.717	0.005	0	0	0	1	L
L PL.32154	PD.4383	C	#2 ACSR	7.06Y	117.7	0.00	7.29	1.13	1	8	2	97	0.00	0.0	10.826	0.109	8	2	1	1	L
PL.32003	PL.31824	A	6 A (CWC)	7.10Y	118.3	0.00	6.67	1.48	1	10	3	96	0.00	0.0	9.793	0.005	0	0	0	2	
PD.4306	PL.32003	A	40T	7.10Y	118.3	0.00	6.67	1.48	0	10	3	96	0.00	0.0	9.793	0.005	0	0	0	2	
PL.32004	PD.4306	A	6 A (CWC)	7.10Y	118.3	0.00	6.67	1.48	1	10	3	96	0.00	0.0	9.805	0.012	0	0	0	2	
PL.31181	PL.32004	A	#2 ACSR	7.10Y	118.3	0.00	6.67	0.21	0	1	0	100	0.00	0.0	9.836	0.031	1	0	1	1	
PL.31341	PL.32004	A	6 A (CWC)	7.10Y	118.3	0.00	6.68	1.27	1	9	3	95	0.00	0.0	9.863	0.058	9	3	1	1	
PL.31999	PL.31336	C	#1/0 ACSR	7.14Y	118.9	0.00	6.08	0.00	0	0	0	100	0.00	0.0	8.981	0.005	0	0	0	1	
PD.4304	PL.31999	C	40T	7.14Y	118.9	0.00	6.08	0.00	0	0	0	100	0.00	0.0	8.981	0.005	0	0	0	1	
PL.32000	PD.4304	C	#1/0 ACSR	7.14Y	118.9	0.00	6.08	0.00	0	0	0	100	0.00	0.0	9.027	0.046	0	0	1	1	
PL.31997	PL.31730	A	#2 ACSR	7.14Y	119.0	0.00	6.01	1.46	1	10	3	96	0.00	0.0	8.894	0.004	0	0	0	1	
PD.4303	PL.31997	A	40T	7.14Y	119.0	0.00	6.01	1.46	0	10	3	96	0.00	0.0	8.894	0.004	0	0	0	1	
PL.31998	PD.4303	A	#2 ACSR	7.14Y	119.0	0.00	6.01	1.46	1	10	3	96	0.00	0.0	8.976	0.082	10	3	1	1	
PL.32149	PL.31732	C	#4 ACSR	7.15Y	119.1	0.00	5.89	1.80	1	12	4	95	0.00	0.0	8.751	0.005	0	0	0	5	
PD.4381	PL.32149	C	40T	7.15Y	119.1	0.00	5.89	1.80	0	12	4	95	0.00	0.0	8.751	0.005	0	0	0	5	
PL.32150	PD.4381	C	#4 ACSR	7.15Y	119.1	0.00	5.90	1.80	1	12	4	95	0.00	0.0	8.805	0.055	0	0	3	5	
PL.31166	PL.32150	C	#4 ACSR	7.15Y	119.1	0.00	5.90	1.03	1	7	2	96	0.00	0.0	8.877	0.072	7	2	1	1	
PL.31167	PL.32150	C	#4 ACSR	7.15Y	119.1	0.00	5.90	0.77	1	5	2	93	0.00	0.0	8.876	0.070	5	2	1	1	
PL.32007	PL.31828	B	6 A (CWC)	7.15Y	119.2	0.00	5.76	7.59	5	52	15	96	0.00	0.0	8.584	0.005	0	0	0	16	
PD.4308	PL.32007	B	40T	7.15Y	119.2	0.00	5.76	7.59	0	52	15	96	0.00	0.0	8.584	0.005	0	0	0	16	

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Balanced Voltage Drop Report
Source: Greenhall

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.32008	PD.4308	B	6 A (CWC)	7.15Y	119.2	0.03	5.79	7.59	5	52	15	96	0.01	0.0	8.672	0.088	0	0	0	16
PL.31825	PL.32008	B	#4 ACSR	7.15Y	119.2	0.02	5.81	7.59	6	52	15	96	0.01	0.0	8.728	0.056	7	2	1	16
PL.31826	PL.31825	B	#4 ACSR	7.15Y	119.1	0.05	5.86	6.59	5	45	13	96	0.02	0.0	8.908	0.179	0	0	0	15
PL.31486	PL.31826	B	#4 ACSR	7.15Y	119.1	0.05	5.91	6.59	5	45	13	96	0.02	0.0	9.067	0.160	0	0	0	15
PL.31487	PL.31486	B	#4 ACSR	7.14Y	119.1	0.02	5.93	6.59	5	45	13	96	0.01	0.0	9.139	0.072	0	0	0	15
PL.31169	PL.31487	B	#4 ACSR	7.14Y	119.0	0.03	5.96	5.46	4	37	11	96	0.01	0.0	9.274	0.135	0	0	0	14
PL.31488	PL.31169	B	#4 ACSR	7.14Y	119.0	0.04	6.00	5.46	4	37	11	96	0.01	0.0	9.442	0.168	6	2	1	14
PL.31815	PL.31488	B	#4 ACSR	7.14Y	119.0	0.01	6.00	2.61	2	18	5	96	0.00	0.0	9.506	0.064	5	1	1	5
PL.31816	PL.31815	B	#4 ACSR	7.14Y	119.0	0.00	6.01	1.88	1	13	4	96	0.00	0.0	9.544	0.038	3	1	2	4
PL.31817	PL.31816	B	#4 ACSR	7.14Y	119.0	0.00	6.01	1.41	1	10	3	96	0.00	0.0	9.612	0.068	9	3	1	2
PL.31173	PL.31817	B	#1/0 ACSR	7.14Y	119.0	0.00	6.01	0.15	0	1	0	100	0.00	0.0	9.772	0.160	1	0	1	1
PL.31171	PL.31488	B	#2 ACSR	7.14Y	119.0	0.00	6.00	1.30	1	9	3	95	0.00	0.0	9.568	0.126	8	2	1	2
PL.31172	PL.31171	B	#2 ACSR	7.14Y	119.0	0.00	6.00	0.08	0	1	0	100	0.00	0.0	9.595	0.028	1	0	1	1
PL.31170	PL.31488	B	#2 ACSR	7.14Y	119.0	0.00	6.00	0.67	0	5	1	98	0.00	0.0	9.467	0.025	0	0	0	6
PL.31174	PL.31170	B	#2 ACSR	7.14Y	119.0	0.00	6.00	0.67	0	5	1	98	0.00	0.0	9.581	0.114	0	0	0	6
PL.31759	PL.31174	B	#1/0 ACSR	7.14Y	119.0	0.00	6.00	0.39	0	3	1	95	0.00	0.0	9.622	0.041	0	0	0	5
PL.31760	PL.31759	B	#1/0 ACSR	7.14Y	119.0	0.00	6.00	0.39	0	3	1	95	0.00	0.0	9.687	0.065	0	0	0	5
PL.31757	PL.31760	B	#1/0 ACSR	7.14Y	119.0	0.00	6.00	0.37	0	3	1	95	0.00	0.0	9.790	0.103	0	0	0	2
PL.31758	PL.31757	B	#1/0 ACSR	7.14Y	119.0	0.00	6.00	0.37	0	3	1	95	0.00	0.0	9.874	0.084	0	0	0	2
PL.31755	PL.31758	B	#1/0 ACSR	7.14Y	119.0	0.00	6.00	0.37	0	3	1	95	0.00	0.0	9.995	0.122	0	0	1	2
PL.31756	PL.31755	B	#1/0 ACSR	7.14Y	119.0	0.00	6.00	0.37	0	3	1	95	0.00	0.0	10.019	0.023	3	1	1	1
PL.31949	PL.31760	B	#1/0 ACSR	7.14Y	119.0	0.00	6.00	0.02	0	0	0	100	0.00	0.0	9.692	0.005	0	0	0	3
PD.4276	PL.31949	B	25T	7.14Y	119.0	0.00	6.00	0.02	0	0	0	100	0.00	0.0	9.692	0.005	0	0	0	3
PL.31950	PD.4276	B	#1/0 ACSR	7.14Y	119.0	0.00	6.00	0.02	0	0	0	100	0.00	0.0	9.815	0.123	0	0	0	3
PL.31491	PL.31950	B	#1/0 ACSR	7.14Y	119.0	0.00	6.00	0.02	0	0	0	100	0.00	0.0	9.959	0.144	0	0	0	3
PL.31490	PL.31491	B	#1/0 ACSR	7.14Y	119.0	0.00	6.00	0.02	0	0	0	100	0.00	0.0	10.100	0.142	0	0	0	3
PL.31492	PL.31490	B	#1/0 ACSR	7.14Y	119.0	0.00	6.00	0.02	0	0	0	100	0.00	0.0	10.249	0.149	0	0	0	3
PL.31493	PL.31492	B	#1/0 ACSR	7.14Y	119.0	0.00	6.00	0.02	0	0	0	100	0.00	0.0	10.425	0.176	0	0	0	3
PL.31753	PL.31493	B	#1/0 ACSR	7.14Y	119.0	0.00	6.00	0.02	0	0	0	100	0.00	0.0	10.490	0.065	0	0	3	3
PL.31754	PL.31753	B	#1/0 ACSR	7.14Y	119.0	0.00	6.00	0.00	0	0	0	100	0.00	0.0	10.558	0.068	0	0	0	0
PL.31175	PL.31174	B	#2 ACSR	7.14Y	119.0	0.00	6.00	0.29	0	2	1	89	0.00	0.0	9.608	0.026	2	1	1	1

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Balanced Voltage Drop Report
Source: Greenhall

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.31177	PL.31174	B	#2 ACSR	7.14Y	119.0	0.00	6.00	0.00	0	0	0	100	0.00	0.0	9.688	0.107	0	0	0	0
PL.31489	PL.31177	B	#2 ACSR	7.14Y	119.0	0.00	6.00	0.00	0	0	0	100	0.00	0.0	9.802	0.113	0	0	0	0
PL.31176	PL.31174	B	#2 ACSR	7.14Y	119.0	0.00	6.00	0.00	0	0	0	100	0.00	0.0	9.637	0.056	0	0	0	0
PL.31168	PL.31487	B	#2 ACSR	7.14Y	119.1	0.00	5.93	1.12	1	8	2	97	0.00	0.0	9.280	0.141	8	2	1	1
CP.47	PL.32198	ABC	Cap (300)	7.21Y	120.2	0.00	4.83	0.00	0	0	0	100	0.00	0.0	7.539	0.141	0	0	0	0
PL.32045	PL.31142	C	6 A (CWC)	7.23Y	120.5	0.00	4.48	19.05	14	132	39	96	0.00	0.0	7.161	0.005	0	0	0	32
PD.4328	PL.32045	C	40T	7.23Y	120.5	0.00	4.48	19.05	0	132	39	96	0.00	0.0	7.161	0.005	0	0	0	32
PL.32046	PD.4328	C	6 A (CWC)	7.23Y	120.5	0.06	4.54	19.05	14	132	39	96	0.06	0.0	7.234	0.073	16	5	3	32
PL.31735	PL.32046	C	6 A (CWC)	7.22Y	120.4	0.07	4.61	16.63	12	115	34	96	0.06	0.1	7.326	0.092	2	1	1	27
PL.31145	PL.31735	C	#2 ACSR	7.22Y	120.4	0.00	4.61	0.13	0	1	0	100	0.00	0.0	7.359	0.033	1	0	1	1
PL.31329	PL.31735	C	6 A (CWC)	7.22Y	120.4	0.02	4.64	16.24	12	113	33	96	0.02	0.0	7.354	0.028	0	0	0	25
PL.31146	PL.31329	C	#2 ACSR	7.22Y	120.4	0.00	4.64	0.82	0	6	2	95	0.00	0.0	7.396	0.042	6	2	1	1
PL.31604	PL.31329	C	6 A (CWC)	7.22Y	120.3	0.08	4.72	15.43	11	107	31	96	0.06	0.1	7.473	0.119	9	3	1	24
PL.31605	PL.31604	C	6 A (CWC)	7.22Y	120.3	0.03	4.74	14.13	10	98	29	96	0.02	0.0	7.514	0.041	0	0	0	23
PL.31147	PL.31605	C	6 A (CWC)	7.21Y	120.2	0.06	4.80	14.13	10	98	29	96	0.05	0.0	7.608	0.094	0	0	0	23
PL.31606	PL.31147	C	6 A (CWC)	7.21Y	120.2	0.04	4.84	13.02	9	90	26	96	0.03	0.0	7.674	0.066	8	2	3	22
PL.31607	PL.31606	C	6 A (CWC)	7.21Y	120.1	0.05	4.89	11.84	8	82	24	96	0.03	0.0	7.770	0.096	0	0	0	19
PL.31719	PL.31607	C	6 A (CWC)	7.20Y	120.0	0.06	4.96	11.84	8	82	24	96	0.04	0.0	7.889	0.119	0	0	0	19
PL.31475	PL.31719	C	6 A (CWC)	7.20Y	120.0	0.05	5.01	11.84	8	82	24	96	0.03	0.0	7.977	0.088	0	0	0	19
PL.31718	PL.31475	C	6 A (CWC)	7.20Y	119.9	0.06	5.07	11.84	8	82	24	96	0.04	0.0	8.089	0.111	0	0	0	19
PL.31149	PL.31718	C	#4 ACSR	7.19Y	119.8	0.09	5.16	10.86	8	75	22	96	0.05	0.1	8.280	0.191	0	0	0	18
PL.32047	PL.31149	C	6 A (CWC)	7.19Y	119.8	0.00	5.16	10.86	8	75	22	96	0.00	0.0	8.284	0.004	0	0	0	18
PD.4329	PL.32047	C	20T	7.19Y	119.8	0.00	5.16	10.86	0	75	22	96	0.00	0.0	8.284	0.004	0	0	0	18
PL.32048	PD.4329	C	6 A (CWC)	7.19Y	119.8	0.02	5.18	10.86	8	75	22	96	0.01	0.0	8.319	0.035	0	0	0	18
PL.31331	PL.32048	C	6 A (CWC)	7.18Y	119.7	0.07	5.25	10.48	7	72	21	96	0.04	0.1	8.466	0.147	0	0	0	17
PL.31477	PL.31331	C	6 A (CWC)	7.18Y	119.7	0.06	5.31	10.48	7	72	21	96	0.03	0.0	8.592	0.126	0	0	0	17
PL.31478	PL.31477	C	6 A (CWC)	7.18Y	119.6	0.07	5.38	10.48	7	72	21	96	0.04	0.1	8.741	0.149	3	1	2	17
PL.31155	PL.31478	C	#4 ACSR	7.18Y	119.6	0.02	5.40	8.97	7	62	18	96	0.01	0.0	8.784	0.042	11	3	2	11
PL.31332	PL.31155	C	#4 ACSR	7.17Y	119.6	0.03	5.42	6.04	5	42	12	96	0.01	0.0	8.883	0.099	1	0	1	8
PL.31159	PL.31332	C	#4 ACSR	7.17Y	119.6	0.00	5.43	1.41	1	10	3	96	0.00	0.0	9.009	0.126	10	3	2	2
PL.31608	PL.31332	C	#4 ACSR	7.17Y	119.6	0.01	5.43	4.50	3	31	9	96	0.00	0.0	8.929	0.047	9	3	1	5

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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.31609	PL.31608	C	#4 ACSR	7.17Y	119.6	0.01	5.44	3.13	2	22	6	96	0.00	0.0	8.984	0.055	0	0	0	4
PL.31333	PL.31609	C	#4 ACSR	7.17Y	119.6	0.00	5.44	1.58	1	11	3	96	0.00	0.0	9.011	0.027	11	3	1	1
PL.31160	PL.31609	C	#4 ACSR	7.17Y	119.6	0.00	5.44	1.55	1	11	3	96	0.00	0.0	9.060	0.076	5	1	2	3
PL.31161	PL.31160	C	#1/0 ACSR	7.17Y	119.6	0.00	5.44	0.85	0	6	2	95	0.00	0.0	9.090	0.030	0	0	0	1
PL.31162	PL.31161	C	#1/0 ACSR	7.17Y	119.6	0.00	5.44	0.00	0	0	0	100	0.00	0.0	9.202	0.112	0	0	0	0
PL.31334	PL.31161	C	#1/0 ACSR	7.17Y	119.6	0.00	5.44	0.85	0	6	2	95	0.00	0.0	9.172	0.082	6	2	1	1
PL.31158	PL.31155	C	#1/0 ACSR	7.18Y	119.6	0.00	5.40	1.26	1	9	3	95	0.00	0.0	8.812	0.029	9	3	1	1
PL.31610	PL.31478	C	6 A (CWC)	7.18Y	119.6	0.00	5.38	1.03	1	7	2	96	0.00	0.0	8.800	0.059	2	1	1	4
PL.31611	PL.31610	C	6 A (CWC)	7.18Y	119.6	0.00	5.39	0.74	1	5	1	98	0.00	0.0	8.924	0.123	0	0	0	3
PL.31156	PL.31611	C	6 A (CWC)	7.18Y	119.6	0.00	5.39	0.02	0	0	0	100	0.00	0.0	9.043	0.120	0	0	0	1
PL.31157	PL.31156	C	#2 ACSR	7.18Y	119.6	0.00	5.39	0.02	0	0	0	100	0.00	0.0	9.087	0.043	0	0	1	1
PL.31335	PL.31611	C	6 A (CWC)	7.18Y	119.6	0.00	5.39	0.72	1	5	1	98	0.00	0.0	9.059	0.135	0	0	0	2
PL.31479	PL.31335	C	6 A (CWC)	7.18Y	119.6	0.00	5.40	0.72	1	5	1	98	0.00	0.0	9.205	0.146	0	0	1	2
PL.31163	PL.31479	C	6 A (CWC)	7.18Y	119.6	0.00	5.40	0.69	0	5	1	98	0.00	0.0	9.313	0.108	5	1	1	1
PL.31153	PL.32048	C	#4 ACSR	7.19Y	119.8	0.00	5.18	0.38	0	3	1	95	0.00	0.0	8.371	0.052	3	1	1	1
PL.31330	PL.31718	C	6 A (CWC)	7.20Y	119.9	0.01	5.07	0.98	1	7	2	96	0.00	0.0	8.209	0.120	0	0	0	1
PL.31151	PL.31330	C	#4 ACSR	7.20Y	119.9	0.01	5.08	0.98	1	7	2	96	0.00	0.0	8.328	0.119	0	0	0	1
PL.31476	PL.31151	C	#4 ACSR	7.20Y	119.9	0.00	5.08	0.98	1	7	2	96	0.00	0.0	8.410	0.082	0	0	0	1
PL.31152	PL.31476	C	6 A (CWC)	7.19Y	119.9	0.00	5.09	0.98	1	7	2	96	0.00	0.0	8.594	0.185	7	2	1	1
PL.31148	PL.31147	C	#4 ACSR	7.21Y	120.2	0.00	4.81	1.11	1	8	2	97	0.00	0.0	7.678	0.070	8	2	1	1
PL.31144	PL.32046	C	#1/0 ACSR	7.23Y	120.5	0.00	4.54	0.07	0	1	0	100	0.00	0.0	7.289	0.055	1	0	2	2
PL.32015	PL.31586	C	#2 ACSR	7.24Y	120.6	0.00	4.37	0.23	0	2	0	100	0.00	0.0	7.049	0.004	0	0	0	2
PD.4312	PL.32015	C	40T	7.24Y	120.6	0.00	4.37	0.23	0	2	0	100	0.00	0.0	7.049	0.004	0	0	0	2
PL.32016	PD.4312	C	#2 ACSR	7.24Y	120.6	0.00	4.37	0.23	0	2	0	100	0.00	0.0	7.087	0.038	2	0	2	2
PL.32017	PL.31586	A	#2 ACSR	7.24Y	120.6	0.00	4.37	0.76	0	5	2	93	0.00	0.0	7.060	0.015	0	0	0	1
PD.4313	PL.32017	A	40T	7.24Y	120.6	0.00	4.37	0.76	0	5	2	93	0.00	0.0	7.060	0.015	0	0	0	1
PL.32018	PD.4313	A	#2 ACSR	7.24Y	120.6	0.00	4.37	0.76	0	5	2	93	0.00	0.0	7.091	0.030	5	2	1	1
PL.32013	PL.31590	C	#4 ACSR	7.27Y	121.2	0.00	3.78	1.63	1	11	3	96	0.00	0.0	6.324	0.005	0	0	0	2
PD.4311	PL.32013	C	65T	7.27Y	121.2	0.00	3.78	1.63	0	11	3	96	0.00	0.0	6.324	0.005	0	0	0	2
PL.32014	PD.4311	C	#4 ACSR	7.27Y	121.2	0.00	3.78	1.63	1	11	3	96	0.00	0.0	6.422	0.098	11	3	2	2
PL.31141	PL.31140	A	#4 ACSR	7.28Y	121.3	0.00	3.66	1.47	1	10	3	96	0.00	0.0	6.251	0.083	10	3	1	1

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Balanced Voltage Drop Report
Source: Greenhall

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.32025	PL.31593	A	6 A (CWC)	7.29Y	121.6	0.00	3.42	1.56	1	11	3	96	0.00	0.0	5.875	0.005	0	0	0	2
PD.4318	PL.32025	A	65T	7.29Y	121.6	0.00	3.42	1.56	0	11	3	96	0.00	0.0	5.875	0.005	0	0	0	2
PL.32026	PD.4318	A	6 A (CWC)	7.29Y	121.6	0.00	3.42	1.56	1	11	3	96	0.00	0.0	5.973	0.098	11	3	2	2
PL.32031	PL.31742	C	#4 ACSR	7.31Y	121.8	0.00	3.23	1.01	1	7	2	96	0.00	0.0	5.651	0.005	0	0	0	1
PD.4321	PL.32031	C	65T	7.31Y	121.8	0.00	3.23	1.01	0	7	2	96	0.00	0.0	5.651	0.005	0	0	0	1
PL.32032	PD.4321	C	#4 ACSR	7.31Y	121.8	0.00	3.24	1.01	1	7	2	96	0.00	0.0	5.758	0.108	7	2	1	1
PL.32029	PL.31741	A	#1/0 ACSR	7.31Y	121.8	0.00	3.16	0.84	0	6	2	95	0.00	0.0	5.571	0.005	0	0	0	1
PD.4320	PL.32029	A	65T	7.31Y	121.8	0.00	3.16	0.84	0	6	2	95	0.00	0.0	5.571	0.005	0	0	0	1
PL.32030	PD.4320	A	#1/0 ACSR	7.31Y	121.8	0.00	3.16	0.84	0	6	2	95	0.00	0.0	5.604	0.033	6	2	1	1
PL.32027	PL.31131	C	6 A (CWC)	7.31Y	121.9	0.00	3.10	1.16	1	8	2	97	0.00	0.0	5.500	0.005	0	0	0	3
PD.4319	PL.32027	C	65T	7.31Y	121.9	0.00	3.10	1.16	0	8	2	97	0.00	0.0	5.500	0.005	0	0	0	3
PL.32028	PD.4319	C	6 A (CWC)	7.31Y	121.9	0.00	3.10	1.16	1	8	2	97	0.00	0.0	5.572	0.072	5	1	1	3
PL.31591	PL.32028	C	6 A (CWC)	7.31Y	121.9	0.00	3.11	0.44	0	3	1	95	0.00	0.0	5.674	0.102	0	0	0	1
PL.31592	PL.31591	C	6 A (CWC)	7.31Y	121.9	0.00	3.11	0.44	0	3	1	95	0.00	0.0	5.717	0.043	3	1	1	1
PL.31132	PL.32028	C	#1/0 ACSR	7.31Y	121.9	0.00	3.10	0.00	0	0	0	100	0.00	0.0	5.631	0.059	0	0	1	1
PL.32041	PL.31603	A	6 A (CWC)	7.33Y	122.2	0.00	2.78	1.22	1	9	2	98	0.00	0.0	5.131	0.005	0	0	0	3
PD.4326	PL.32041	A	65T	7.33Y	122.2	0.00	2.78	1.22	0	9	2	98	0.00	0.0	5.131	0.005	0	0	0	3
PL.32042	PD.4326	A	6 A (CWC)	7.33Y	122.2	0.00	2.78	1.22	1	9	2	98	0.00	0.0	5.200	0.069	0	0	0	3
PL.31128	PL.32042	A	6 A (CWC)	7.33Y	122.2	0.00	2.78	0.12	0	1	0	100	0.00	0.0	5.234	0.034	0	0	1	2
PL.31129	PL.31128	A	#2 ACSR	7.33Y	122.2	0.00	2.78	0.12	0	1	0	100	0.00	0.0	5.263	0.029	1	0	1	1
PL.31130	PL.32042	A	#1/0 ACSR	7.33Y	122.2	0.00	2.78	1.11	0	8	2	97	0.00	0.0	5.266	0.066	8	2	1	1
PL.32143	PL.31614	C	#4 ACSR	7.35Y	122.5	0.00	2.51	2.39	2	17	5	96	0.00	0.0	4.847	0.005	0	0	0	2
PD.4378	PL.32143	C	65T	7.35Y	122.5	0.00	2.51	2.39	0	17	5	96	0.00	0.0	4.847	0.005	0	0	0	2
PL.32144	PD.4378	C	#4 ACSR	7.35Y	122.5	0.00	2.52	2.39	2	17	5	96	0.00	0.0	4.879	0.032	17	5	2	2
PL.32053	PL.31614	B	#1/0 ACSR	7.35Y	122.5	0.00	2.51	16.18	7	114	32	96	0.00	0.0	4.847	0.005	0	0	0	20
PD.4332	PL.32053	B	65T	7.35Y	122.5	0.00	2.51	16.18	0	114	32	96	0.00	0.0	4.847	0.005	0	0	0	20
PL.32054	PD.4332	B	#1/0 ACSR	7.35Y	122.5	0.01	2.53	16.18	7	114	32	96	0.01	0.0	4.879	0.032	1	0	1	20
PL.31615	PL.32054	B	#1/0 ACSR	7.35Y	122.5	0.02	2.55	16.03	7	113	32	96	0.02	0.0	4.938	0.060	0	0	0	19
PL.31112	PL.31615	B	#1/0 ACSR	7.35Y	122.5	0.00	2.55	2.36	1	17	5	96	0.00	0.0	4.956	0.018	17	5	2	2
PL.31745	PL.31615	B	#1/0 ACSR	7.35Y	122.4	0.01	2.56	13.66	6	97	27	96	0.01	0.0	4.986	0.048	9	3	1	17
PL.31616	PL.31745	B	#1/0 ACSR	7.35Y	122.4	0.01	2.58	12.36	5	87	25	96	0.01	0.0	5.032	0.046	2	1	1	16

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Balanced Voltage Drop Report
Source: Greenhall

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.31617	PL.31616	B	#1/0 ACSR	7.34Y	122.4	0.04	2.62	12.09	5	86	24	96	0.02	0.0	5.175	0.143	0	0	0	15
PL.32063	PL.31617	B	#1/0 ACSR	7.34Y	122.4	0.00	2.62	0.01	0	0	0	100	0.00	0.0	5.179	0.005	0	0	0	1
PD.4336	PL.32063	B	40T	7.34Y	122.4	0.00	2.62	0.01	0	0	0	100	0.00	0.0	5.179	0.005	0	0	0	1
PL.32064	PD.4336	B	#1/0 ACSR	7.34Y	122.4	0.00	2.62	0.01	0	0	0	100	0.00	0.0	5.278	0.099	0	0	1	1
PL.31321	PL.31617	B	#1/0 ACSR	7.34Y	122.3	0.04	2.66	11.07	5	78	22	96	0.02	0.0	5.344	0.169	0	0	0	13
PL.32065	PL.31321	B	#1/0 ACSR	7.34Y	122.3	0.00	2.66	0.82	0	6	2	95	0.00	0.0	5.348	0.005	0	0	0	1
PD.4337	PL.32065	B	40T	7.34Y	122.3	0.00	2.66	0.82	0	6	2	95	0.00	0.0	5.348	0.005	0	0	0	1
PL.32066	PD.4337	B	#1/0 ACSR	7.34Y	122.3	0.00	2.66	0.82	0	6	2	95	0.00	0.0	5.416	0.068	6	2	1	1
PL.31322	PL.31321	B	#1/0 ACSR	7.34Y	122.3	0.04	2.70	10.25	4	73	20	96	0.02	0.0	5.508	0.164	0	0	0	12
PL.31115	PL.31322	B	#4 ACSR	7.34Y	122.3	0.00	2.70	0.51	0	4	1	97	0.00	0.0	5.572	0.064	4	1	1	1
PL.31116	PL.31322	B	#1/0 ACSR	7.34Y	122.3	0.02	2.72	9.65	4	68	19	96	0.01	0.0	5.591	0.083	0	0	0	10
PL.31118	PL.31116	B	#1/0 ACSR	7.34Y	122.3	0.03	2.74	7.96	3	56	15	97	0.01	0.0	5.736	0.145	0	0	0	9
PL.31468	PL.31118	B	#1/0 ACSR	7.33Y	122.2	0.02	2.76	7.96	3	56	15	97	0.01	0.0	5.822	0.085	0	0	0	9
PL.31841	PL.31468	B	#4 ACSR	7.33Y	122.2	0.01	2.77	3.29	3	23	6	97	0.00	0.0	5.895	0.073	6	2	1	4
PL.31842	PL.31841	B	#4 ACSR	7.33Y	122.2	0.01	2.78	2.49	2	18	4	98	0.00	0.0	6.018	0.123	0	0	0	3
PL.31469	PL.31842	B	#4 ACSR	7.33Y	122.2	0.01	2.80	2.49	2	18	4	98	0.00	0.0	6.132	0.114	0	0	0	3
PL.31323	PL.31469	B	#4 ACSR	7.33Y	122.2	0.00	2.80	1.31	1	9	2	98	0.00	0.0	6.164	0.032	3	1	1	2
PL.31124	PL.31323	B	#1/0 ACSR	7.33Y	122.2	0.00	2.80	0.91	0	7	1	99	0.00	0.0	6.230	0.066	0	0	0	1
PL.31125	PL.31124	B	#1/0 ACSR	7.33Y	122.2	0.00	2.80	0.91	0	7	1	99	0.00	0.0	6.383	0.153	0	0	0	1
PL.32077	PL.31125	B	1/0 AL URD	7.33Y	122.2	0.00	2.80	0.91	1	7	1	99	0.00	0.0	6.387	0.005	0	0	0	1
PD.4343	PL.32077	B	40T	7.33Y	122.2	0.00	2.80	0.91	0	7	1	99	0.00	0.0	6.387	0.005	0	0	0	1
PL.32078	PD.4343	B	1/0 AL URD	7.33Y	122.2	0.00	2.80	0.91	1	7	1	99	0.00	0.0	6.457	0.069	0	0	0	1
PL.31470	PL.32078	B	1/0 AL URD	7.33Y	122.2	0.00	2.81	0.91	1	7	1	99	0.00	0.0	6.625	0.169	7	2	1	1
PL.31123	PL.31469	B	#4 ACSR	7.33Y	122.2	0.00	2.80	1.18	1	8	2	97	0.00	0.0	6.240	0.108	8	2	1	1
PL.31119	PL.31468	B	6 A (CWC)	7.33Y	122.2	0.03	2.79	4.67	3	33	10	96	0.01	0.0	5.974	0.152	0	0	0	5
PL.31120	PL.31119	B	#4 ACSR	7.33Y	122.2	0.00	2.79	0.00	0	0	0	100	0.00	0.0	6.091	0.117	0	0	0	0
PL.31612	PL.31119	B	6 A (CWC)	7.33Y	122.2	0.02	2.82	4.67	3	33	10	96	0.00	0.0	6.129	0.155	22	6	3	5
PL.31613	PL.31612	B	6 A (CWC)	7.33Y	122.2	0.01	2.82	1.60	1	11	3	96	0.00	0.0	6.202	0.073	0	0	0	2
PL.31740	PL.31613	B	6 A (CWC)	7.33Y	122.2	0.01	2.83	1.60	1	11	3	96	0.00	0.0	6.349	0.147	0	0	0	2
PL.32163	PL.31740	B	6 A (CWC)	7.33Y	122.2	0.00	2.83	0.00	0	0	0	100	0.00	0.0	6.384	0.035	0	0	0	0
PD.4388-A	PL.32163	B	Open	7.33Y	122.2	0.00	2.83	0.00	0	0	0	100	0.00	0.0	6.384	0.035	0	0	0	0

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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.31121	PL.31740	B	#1/0 ACSR	7.33Y	122.2	0.00	2.83	1.60	1	11	3	96	0.00	0.0	6.418	0.069	0	0	0	2
PL.31122	PL.31121	B	#1/0 ACSR	7.33Y	122.2	0.00	2.83	1.10	0	8	2	97	0.00	0.0	6.456	0.038	8	2	1	1
PL.31326	PL.31121	B	#1/0 ACSR	7.33Y	122.2	0.00	2.83	0.50	0	4	1	97	0.00	0.0	6.473	0.055	4	1	1	1
PL.31117	PL.31116	B	#4 ACSR	7.34Y	122.3	0.00	2.72	1.69	1	12	3	97	0.00	0.0	5.630	0.038	12	3	1	1
PL.31114	PL.31322	B	#4 ACSR	7.34Y	122.3	0.00	2.70	0.10	0	1	0	100	0.00	0.0	5.536	0.028	1	0	1	1
PL.31113	PL.31617	B	#1/0 ACSR	7.34Y	122.4	0.00	2.62	1.02	0	7	2	96	0.00	0.0	5.230	0.055	7	2	1	1
PL.32111	PL.31463	C	#4 ACSR	7.38Y	123.0	0.00	1.97	1.64	1	12	3	97	0.00	0.0	4.440	0.005	0	0	0	1
PD.4361	PL.32111	C	65T	7.38Y	123.0	0.00	1.97	1.64	0	12	3	97	0.00	0.0	4.440	0.005	0	0	0	1
PL.32112	PD.4361	C	#4 ACSR	7.38Y	123.0	0.00	1.97	1.64	1	12	3	97	0.00	0.0	4.452	0.012	12	3	1	1
PL.32037	PL.31461	C	#2 ACSR	7.42Y	123.7	0.00	1.33	0.25	0	2	1	89	0.00	0.0	4.066	0.005	0	0	0	1
PD.4324	PL.32037	C	65T	7.42Y	123.7	0.00	1.33	0.25	0	2	1	89	0.00	0.0	4.066	0.005	0	0	0	1
PL.32038	PD.4324	C	#2 ACSR	7.42Y	123.7	0.00	1.33	0.25	0	2	1	89	0.00	0.0	4.131	0.065	2	1	1	1
PL.32121	PL.31308	A	#2 ACSR	7.17Y	119.4	0.00	5.56	1.87	1	13	4	96	0.00	0.0	2.979	0.005	0	0	0	2
PD.4366	PL.32121	A	65T	7.17Y	119.4	0.00	5.56	1.87	0	13	4	96	0.00	0.0	2.979	0.005	0	0	0	2
PL.32122	PD.4366	A	#2 ACSR	7.17Y	119.4	0.00	5.56	1.87	1	13	4	96	0.00	0.0	3.000	0.020	7	2	1	2
PL.31769	PL.32122	A	#2 ACSR	7.17Y	119.4	0.00	5.56	0.90	1	6	2	95	0.00	0.0	3.044	0.044	6	2	1	1
PL.32123	PL.31460	C	#2 ACSR	7.18Y	119.6	0.00	5.41	0.00	0	0	0	100	0.00	0.0	2.902	0.005	0	0	0	0
PD.4367	PL.32123	C	65T	7.18Y	119.6	0.00	5.41	0.00	0	0	0	100	0.00	0.0	2.902	0.005	0	0	0	0
PL.32124	PD.4367	C	#2 ACSR	7.18Y	119.6	0.00	5.41	0.00	0	0	0	100	0.00	0.0	2.949	0.047	0	0	0	0
PL.32115	PL.31736	C	#2 ACSR	7.30Y	121.6	0.00	3.37	1.32	1	9	3	95	0.00	0.0	1.829	0.005	0	0	0	1
PD.4363	PL.32115	C	65T	7.30Y	121.6	0.00	3.37	1.32	0	9	3	95	0.00	0.0	1.829	0.005	0	0	0	1
PL.32116	PD.4363	C	#2 ACSR	7.30Y	121.6	0.00	3.37	1.32	1	9	3	95	0.00	0.0	1.860	0.030	9	3	1	1
PL.32109	PL.31072	C	#2 ACSR	7.39Y	123.2	0.00	1.77	1.46	1	10	3	96	0.00	0.0	1.001	0.005	0	0	0	3
PD.4360	PL.32109	C	65T	7.39Y	123.2	0.00	1.77	1.46	0	10	3	96	0.00	0.0	1.001	0.005	0	0	0	3
PL.32110	PD.4360	C	#2 ACSR	7.39Y	123.2	0.00	1.77	1.46	1	10	3	96	0.00	0.0	1.040	0.038	10	3	3	3
PL.32161	PL.31072	C	#2 ACSR	7.39Y	123.2	0.00	1.77	3.29	2	23	7	96	0.00	0.0	1.001	0.005	0	0	0	6
PD.4387	PL.32161	C	20T	7.39Y	123.2	0.00	1.77	3.29	0	23	7	96	0.00	0.0	1.001	0.005	0	0	0	6
PL.32162	PD.4387	C	#2 ACSR	7.39Y	123.2	0.00	1.78	3.29	2	23	7	96	0.00	0.0	1.043	0.042	7	2	1	6
PL.31076	PL.32162	C	#4 ACSR	7.39Y	123.2	0.01	1.79	2.32	2	16	5	95	0.00	0.0	1.170	0.126	0	0	0	5
PL.31451	PL.31076	C	#4 ACSR	7.39Y	123.2	0.01	1.80	2.32	2	16	5	95	0.00	0.0	1.305	0.135	0	0	0	5
PL.31452	PL.31451	C	#4 ACSR	7.39Y	123.2	0.01	1.81	2.32	2	16	5	95	0.00	0.0	1.388	0.083	0	0	0	5

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

Balanced Voltage Drop Report
Source: Greenhall

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.31318	PL.31452	C	#4 ACSR	7.39Y	123.2	0.01	1.82	1.68	1	12	3	97	0.00	0.0	1.521	0.133	0	0	0	3
PL.31077	PL.31318	C	#4 ACSR	7.39Y	123.2	0.01	1.83	1.68	1	12	3	97	0.00	0.0	1.661	0.141	0	0	0	3
PL.31078	PL.31077	C	#4 ACSR	7.39Y	123.2	0.00	1.83	0.00	0	0	0	100	0.00	0.0	1.782	0.121	0	0	1	1
PL.31319	PL.31077	C	#4 ACSR	7.39Y	123.2	0.00	1.84	1.68	1	12	3	97	0.00	0.0	1.740	0.079	12	3	2	2
PL.31075	PL.31452	C	#4 ACSR	7.39Y	123.2	0.00	1.81	0.64	0	5	1	98	0.00	0.0	1.475	0.087	5	1	2	2
PL.31951	PL.31450	C	#2 ACSR	7.40Y	123.3	0.00	1.68	0.21	0	1	0	100	0.00	0.0	0.956	0.005	0	0	0	6
PD.4277	PL.31951	C	65T	7.40Y	123.3	0.00	1.68	0.21	0	1	0	100	0.00	0.0	0.956	0.005	0	0	0	6
PL.31952	PD.4277	C	#2 ACSR	7.40Y	123.3	0.00	1.68	0.21	0	1	0	100	0.00	0.0	1.047	0.091	1	0	4	6
PL.31073	PL.31952	C	#2 ACSR	7.40Y	123.3	0.00	1.69	0.09	0	1	0	100	0.00	0.0	1.235	0.188	1	0	2	2
PL.31763	PL.31360	A	#4 ACSR	7.44Y	124.0	0.03	1.03	12.58	10	90	26	96	0.02	0.0	0.657	0.055	0	0	0	34
PL.31764	PL.31763	A	#4 ACSR	7.44Y	123.9	0.04	1.06	12.58	10	90	26	96	0.02	0.0	0.723	0.066	10	3	2	34
PL.32188	PL.31764	A	6 A (CWC)	7.44Y	123.9	0.00	1.06	11.12	8	79	23	96	0.00	0.0	0.726	0.003	0	0	0	32
PD.4401	PL.32188	A	35L	7.44Y	123.9	0.00	1.06	11.12	32	79	23	96	0.00	0.0	0.726	0.003	0	0	0	32
PL.32189	PD.4401	A	6 A (CWC)	7.43Y	123.9	0.05	1.11	11.12	8	79	23	96	0.03	0.0	0.822	0.096	0	0	0	32
PL.31361	PL.32189	A	6 A (CWC)	7.43Y	123.8	0.05	1.16	11.12	8	79	23	96	0.03	0.0	0.921	0.098	3	1	1	32
PL.30502	PL.31361	A	6 A (CWC)	7.43Y	123.8	0.06	1.23	10.76	8	77	22	96	0.03	0.0	1.045	0.124	0	0	0	31
PL.31320	PL.30502	A	6 A (CWC)	7.42Y	123.7	0.05	1.27	10.38	7	74	22	96	0.03	0.0	1.148	0.103	0	0	0	30
PL.30504	PL.31320	A	#1/0 ACSR	7.42Y	123.7	0.00	1.27	1.16	1	8	2	97	0.00	0.0	1.177	0.029	8	2	2	2
PL.30505	PL.31320	A	6 A (CWC)	7.42Y	123.7	0.06	1.33	9.22	7	66	19	96	0.03	0.0	1.278	0.130	0	0	0	28
PL.31761	PL.30505	A	#4 ACSR	7.42Y	123.6	0.03	1.36	9.22	7	66	19	96	0.01	0.0	1.355	0.077	4	1	1	28
PL.31762	PL.31761	A	#4 ACSR	7.42Y	123.6	0.05	1.41	8.62	7	61	18	96	0.02	0.0	1.490	0.135	0	0	0	27
PL.30506	PL.31762	A	#4 ACSR	7.42Y	123.6	0.00	1.41	0.73	1	5	2	93	0.00	0.0	1.515	0.025	5	2	1	1
PL.31733	PL.31762	A	#4 ACSR	7.41Y	123.5	0.04	1.45	7.90	6	56	16	96	0.02	0.0	1.605	0.115	0	0	1	26
PL.30507	PL.31733	A	#1/0 ACSR	7.41Y	123.5	0.00	1.45	0.00	0	0	0	100	0.00	0.0	1.718	0.113	0	0	1	1
PL.32171	PL.31733	A	#4 ACSR	7.41Y	123.5	0.00	1.45	7.90	6	56	16	96	0.00	0.0	1.609	0.005	0	0	0	24
PD.4392-A	PL.32171	A	Closed	7.41Y	123.5	0.00	1.45	7.90	0	56	16	96	0.00	0.0	1.609	0.005	0	0	0	24
PD.4392-B	PD.4392-A	A	Closed	7.41Y	123.5	0.00	1.45	7.90	0	56	16	96	0.00	0.0	1.609	0.005	0	0	0	24
PL.32172	PD.4392-B	A	#4 ACSR	7.41Y	123.5	0.05	1.51	7.90	6	56	16	96	0.02	0.0	1.756	0.147	0	0	0	24
PL.31362	PL.32172	A	#4 ACSR	7.41Y	123.4	0.06	1.57	7.90	6	56	16	96	0.03	0.0	1.930	0.174	0	0	0	24
PL.31363	PL.31362	A	#4 ACSR	7.40Y	123.4	0.03	1.60	7.90	6	56	16	96	0.01	0.0	2.020	0.091	0	0	0	24
PL.30508	PL.31363	A	#4 ACSR	7.40Y	123.3	0.06	1.66	7.90	6	56	16	96	0.03	0.0	2.196	0.176	0	0	0	24

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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.31364	PL.30508	A	#4 ACSR	7.40Y	123.3	0.05	1.71	7.90	6	56	16	96	0.02	0.0	2.344	0.148	0	0	0	24
PL.31750	PL.31364	A	#4 ACSR	7.40Y	123.3	0.03	1.75	7.90	6	56	16	96	0.01	0.0	2.437	0.092	2	1	1	24
PL.31751	PL.31750	A	#4 ACSR	7.39Y	123.2	0.03	1.77	7.61	6	54	16	96	0.01	0.0	2.511	0.075	0	0	0	23
PL.31945	PL.31751	A	#4 ACSR	7.39Y	123.2	0.00	1.77	6.31	5	45	13	96	0.00	0.0	2.516	0.005	0	0	0	21
PD.4274	PL.31945	A	15T	7.39Y	123.2	0.00	1.77	6.31	0	45	13	96	0.00	0.0	2.516	0.005	0	0	0	21
PL.31946	PD.4274	A	#4 ACSR	7.39Y	123.2	0.02	1.80	6.31	5	45	13	96	0.01	0.0	2.601	0.085	0	0	0	21
PL.31069	PL.31946	A	#4 ACSR	7.39Y	123.2	0.04	1.84	6.31	5	45	13	96	0.01	0.0	2.747	0.146	0	0	0	21
PL.31371	PL.31069	A	#4 ACSR	7.39Y	123.1	0.02	1.86	6.31	5	45	13	96	0.01	0.0	2.833	0.086	0	0	0	21
PL.31932	PL.31371	A	#4 ACSR	7.39Y	123.1	0.02	1.88	5.33	4	38	11	96	0.01	0.0	2.907	0.074	0	0	0	17
PL.31933	PL.31932	A	#4 ACSR	7.38Y	123.1	0.04	1.92	5.33	4	38	11	96	0.01	0.0	3.081	0.173	0	0	0	17
PL.31311	PL.31933	A	#4 ACSR	7.38Y	123.1	0.03	1.95	4.14	3	29	9	96	0.01	0.0	3.217	0.136	0	0	0	16
PL.31287	PL.31311	A	#4 ACSR	7.38Y	123.1	0.00	1.95	0.15	0	1	0	100	0.00	0.0	3.387	0.170	1	0	1	1
PL.31288	PL.31311	A	#4 ACSR	7.38Y	123.1	0.00	1.95	0.34	0	2	1	89	0.00	0.0	3.367	0.150	0	0	0	2
PL.31313	PL.31288	A	#4 ACSR	7.38Y	123.1	0.00	1.95	0.01	0	0	0	100	0.00	0.0	3.457	0.090	0	0	0	1
PL.31373	PL.31313	A	#4 ACSR	7.38Y	123.1	0.00	1.95	0.01	0	0	0	100	0.00	0.0	3.601	0.144	0	0	1	1
PL.31289	PL.31288	A	#4 ACSR	7.38Y	123.1	0.00	1.95	0.33	0	2	1	89	0.00	0.0	3.405	0.038	2	1	1	1
PL.31312	PL.31311	A	#4 ACSR	7.38Y	123.0	0.01	1.96	3.66	3	26	8	96	0.00	0.0	3.305	0.088	0	0	0	13
PL.31929	PL.31312	A	#4 ACSR	7.38Y	123.0	0.01	1.97	3.66	3	26	8	96	0.00	0.0	3.402	0.098	7	2	1	13
PL.31928	PL.31929	A	#4 ACSR	7.38Y	123.0	0.01	1.99	2.70	2	19	6	95	0.00	0.0	3.499	0.097	3	1	1	12
PL.32107	PL.31928	A	6 A (CWC)	7.38Y	123.0	0.00	1.99	2.24	2	16	5	95	0.00	0.0	3.528	0.029	0	0	0	11
PD.4359	PL.32107	A	15T	7.38Y	123.0	0.00	1.99	2.24	0	16	5	95	0.00	0.0	3.528	0.029	0	0	0	11
PL.32108	PD.4359	A	6 A (CWC)	7.38Y	123.0	0.01	2.00	2.24	2	16	5	95	0.00	0.0	3.641	0.113	0	0	0	11
PL.31314	PL.32108	A	6 A (CWC)	7.38Y	123.0	0.01	2.01	2.19	2	16	5	95	0.00	0.0	3.741	0.100	0	0	0	10
PL.31721	PL.31314	A	6 A (CWC)	7.38Y	123.0	0.01	2.02	2.19	2	16	5	95	0.00	0.0	3.860	0.119	0	0	0	10
PL.31374	PL.31721	A	6 A (CWC)	7.38Y	123.0	0.02	2.04	2.19	2	16	5	95	0.00	0.0	4.072	0.211	0	0	0	10
PL.31283	PL.31374	A	#4 ACSR	7.38Y	123.0	0.00	2.05	0.51	0	4	1	97	0.00	0.0	4.162	0.091	0	0	0	3
PL.31375	PL.31283	A	#4 ACSR	7.38Y	123.0	0.00	2.05	0.51	0	4	1	97	0.00	0.0	4.351	0.189	0	0	0	3
PL.31925	PL.31375	A	#4 ACSR	7.38Y	122.9	0.00	2.05	0.51	0	4	1	97	0.00	0.0	4.401	0.050	0	0	1	3
PL.31926	PL.31925	A	#4 ACSR	7.38Y	122.9	0.00	2.05	0.51	0	4	1	97	0.00	0.0	4.444	0.044	3	1	1	2
PL.31927	PL.31926	A	#4 ACSR	7.38Y	122.9	0.00	2.05	0.04	0	0	0	100	0.00	0.0	4.503	0.059	0	0	1	1
PL.31284	PL.31374	A	6 A (CWC)	7.38Y	123.0	0.00	2.05	0.52	0	4	1	97	0.00	0.0	4.245	0.173	0	0	0	1

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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.31376	PL.31284	A	6 A (CWC)	7.38Y	123.0	0.00	2.05	0.52	0	4	1	97	0.00	0.0	4.431	0.186	4	1	1	1
PL.31315	PL.31374	A	6 A (CWC)	7.38Y	122.9	0.01	2.05	1.16	1	8	2	97	0.00	0.0	4.254	0.182	0	0	0	6
PL.31377	PL.31315	A	6 A (CWC)	7.38Y	122.9	0.01	2.06	1.16	1	8	2	97	0.00	0.0	4.384	0.130	0	0	0	6
PL.31378	PL.31377	A	6 A (CWC)	7.38Y	122.9	0.00	2.06	1.16	1	8	2	97	0.00	0.0	4.473	0.089	0	0	0	6
PL.31923	PL.31378	A	6 A (CWC)	7.38Y	122.9	0.00	2.06	0.05	0	0	0	100	0.00	0.0	4.621	0.148	0	0	1	1
PL.31924	PL.31923	A	6 A (CWC)	7.38Y	122.9	0.00	2.06	0.00	0	0	0	100	0.00	0.0	4.733	0.112	0	0	0	0
PL.31921	PL.31378	A	#4 ACSR	7.38Y	122.9	0.00	2.07	1.10	1	8	2	97	0.00	0.0	4.554	0.081	8	2	2	5
PL.31922	PL.31921	A	#4 ACSR	7.38Y	122.9	0.00	2.07	0.02	0	0	0	100	0.00	0.0	4.611	0.057	0	0	1	3
PL.31285	PL.31922	A	#4 ACSR	7.38Y	122.9	0.00	2.07	0.02	0	0	0	100	0.00	0.0	4.650	0.039	0	0	1	1
PL.31316	PL.31922	A	#4 ACSR	7.38Y	122.9	0.00	2.07	0.00	0	0	0	100	0.00	0.0	4.662	0.050	0	0	1	1
PL.31282	PL.32108	A	#4 ACSR	7.38Y	123.0	0.00	2.00	0.06	0	0	0	100	0.00	0.0	3.761	0.120	0	0	1	1
PL.31281	PL.31928	A	#4 ACSR	7.38Y	123.0	0.00	1.99	0.00	0	0	0	100	0.00	0.0	3.678	0.179	0	0	0	0
PL.31286	PL.31312	A	#4 ACSR	7.38Y	123.0	0.00	1.96	0.00	0	0	0	100	0.00	0.0	3.376	0.072	0	0	0	0
PL.30512	PL.31933	A	#1/0 ACSR	7.38Y	123.1	0.00	1.92	1.19	1	8	2	97	0.00	0.0	3.269	0.188	8	2	1	1
PL.31070	PL.31371	A	#4 ACSR	7.39Y	123.1	0.01	1.87	0.98	1	7	2	96	0.00	0.0	2.969	0.136	0	0	0	4
PL.31930	PL.31070	A	#4 ACSR	7.39Y	123.1	0.01	1.87	0.98	1	7	2	96	0.00	0.0	3.104	0.135	1	0	1	4
PL.31931	PL.31930	A	#4 ACSR	7.39Y	123.1	0.00	1.88	0.79	1	6	2	95	0.00	0.0	3.188	0.084	1	0	1	3
PL.31290	PL.31931	A	#4 ACSR	7.39Y	123.1	0.00	1.88	0.59	0	4	1	97	0.00	0.0	3.232	0.045	4	1	1	1
PL.31310	PL.31931	A	#4 ACSR	7.39Y	123.1	0.00	1.88	0.02	0	0	0	100	0.00	0.0	3.281	0.094	0	0	0	1
PL.31372	PL.31310	A	#4 ACSR	7.39Y	123.1	0.00	1.88	0.02	0	0	0	100	0.00	0.0	3.410	0.129	0	0	1	1
PL.30509	PL.31751	A	#4 ACSR	7.39Y	123.2	0.01	1.78	1.30	1	9	3	95	0.00	0.0	2.634	0.123	5	1	1	2
PL.31943	PL.30509	A	#4 ACSR	7.39Y	123.2	0.00	1.78	0.60	0	4	1	97	0.00	0.0	2.729	0.095	0	0	0	1
PD.4273	PL.31943	A	15T	7.39Y	123.2	0.00	1.78	0.60	0	4	1	97	0.00	0.0	2.729	0.095	0	0	0	1
PL.31944	PD.4273	A	#4 ACSR	7.39Y	123.2	0.00	1.78	0.60	0	4	1	97	0.00	0.0	2.905	0.176	0	0	0	1
PL.31367	PL.31944	A	#4 ACSR	7.39Y	123.2	0.00	1.79	0.60	0	4	1	97	0.00	0.0	3.040	0.135	0	0	0	1
PL.31369	PL.31367	A	#4 ACSR	7.39Y	123.2	0.00	1.79	0.60	0	4	1	97	0.00	0.0	3.135	0.095	0	0	0	1
PL.31368	PL.31369	A	#4 ACSR	7.39Y	123.2	0.00	1.79	0.60	0	4	1	97	0.00	0.0	3.296	0.161	0	0	0	1
PL.31370	PL.31368	A	#4 ACSR	7.39Y	123.2	0.00	1.80	0.60	0	4	1	97	0.00	0.0	3.445	0.149	4	1	1	1
PL.30503	PL.30502	A	6 A (CWC)	7.43Y	123.8	0.00	1.23	0.37	0	3	1	95	0.00	0.0	1.215	0.170	3	1	1	1
PL.32606	Greenhall	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	44.65	9	959	301	95	0.00	0.0	0.008	0.008	0	0	0	290
PL.32684	PL.32606	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	44.65	9	959	301	95	0.00	0.0	0.012	0.004	0	0	0	290

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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
---------- Feeder No. 5 (Trav Rest F5) Beginning with Device PD.5286 ----------																				
PD.5286	PL.32684	ABC	480VWE	7.50Y	125.0	0.00	0.00	44.65	0	959	301	95	0.00	0.0	0.012	0.004	0	0	0	290
PL.32685	PD.5286	ABC	397 SPACER	7.50Y	125.0	0.02	0.03	44.65	9	959	301	95	0.04	0.0	0.172	0.160	0	0	0	290
PL.32510	PL.32685	ABC	336 MCM AC	7.50Y	125.0	0.02	0.04	44.65	9	958	300	95	0.09	0.0	0.226	0.054	0	0	0	290
PL.32511	PL.32510	ABC	336 MCM AC	7.49Y	124.9	0.05	0.09	44.65	9	958	300	95	0.23	0.0	0.363	0.137	0	0	0	290
PL.32306	PL.32511	ABC	336 MCM AC	7.49Y	124.9	0.02	0.11	44.37	9	952	298	95	0.11	0.0	0.428	0.065	0	0	0	289
PL.32307	PL.32306	ABC	336 MCM AC	7.49Y	124.8	0.06	0.17	44.32	9	951	297	95	0.29	0.0	0.606	0.178	0	0	0	287
PL.32586	PL.32307	C	#1/0 ACSR	7.49Y	124.8	0.00	0.17	0.38	0	3	1	95	0.00	0.0	0.611	0.005	0	0	0	1
PD.4443	PL.32586	C	65T	7.49Y	124.8	0.00	0.17	0.38	0	3	1	95	0.00	0.0	0.611	0.005	0	0	0	1
PL.32587	PD.4443	C	#1/0 ACSR	7.49Y	124.8	0.00	0.17	0.38	0	3	1	95	0.00	0.0	0.655	0.044	0	0	0	1
PL.32202	PL.32587	C	6 A (CWC)	7.49Y	124.8	0.00	0.18	0.38	0	3	1	95	0.00	0.0	0.736	0.081	0	0	0	1
PL.32344	PL.32202	C	6 A (CWC)	7.49Y	124.8	0.00	0.18	0.38	0	3	1	95	0.00	0.0	0.851	0.115	0	0	0	1
PL.32342	PL.32344	C	6 A (CWC)	7.49Y	124.8	0.00	0.18	0.38	0	3	1	95	0.00	0.0	0.985	0.133	0	0	0	1
PL.32343	PL.32342	C	6 A (CWC)	7.49Y	124.8	0.00	0.18	0.38	0	3	1	95	0.00	0.0	1.079	0.095	3	1	1	1
PL.32308	PL.32307	ABC	336 MCM AC	7.49Y	124.8	0.06	0.23	44.20	9	948	296	95	0.27	0.0	0.773	0.167	0	0	0	286
PL.32309	PL.32308	ABC	336 MCM AC	7.49Y	124.8	0.02	0.25	44.12	9	946	295	95	0.08	0.0	0.824	0.051	0	0	0	284
PL.32203	PL.32309	ABC	336 MCM AC	7.48Y	124.7	0.01	0.26	44.12	9	946	294	95	0.06	0.0	0.863	0.039	0	0	0	284
PL.32204	PL.32203	ABC	336 MCM AC	7.48Y	124.7	0.02	0.28	44.12	9	946	294	95	0.08	0.0	0.909	0.046	4	1	1	284
PL.32205	PL.32204	ABC	336 MCM AC	7.48Y	124.7	0.02	0.30	43.94	8	942	293	95	0.09	0.0	0.966	0.058	0	0	0	283
PL.32206	PL.32205	ABC	336 MCM AC	7.48Y	124.7	0.02	0.32	43.94	8	942	293	95	0.10	0.0	1.026	0.059	0	0	0	283
PL.32207	PL.32206	ABC	336 MCM AC	7.48Y	124.7	0.02	0.34	43.94	8	942	292	96	0.10	0.0	1.085	0.060	0	0	0	283
PL.32208	PL.32207	ABC	336 MCM AC	7.48Y	124.6	0.02	0.36	43.94	8	942	292	96	0.09	0.0	1.142	0.056	0	0	0	283
PL.32209	PL.32208	ABC	336 MCM AC	7.48Y	124.6	0.02	0.38	43.94	8	942	292	96	0.11	0.0	1.207	0.065	0	0	0	283
PL.32210	PL.32209	ABC	336 MCM AC	7.48Y	124.6	0.03	0.40	43.94	8	942	292	96	0.12	0.0	1.283	0.076	0	0	0	283
PL.32211	PL.32210	ABC	336 MCM AC	7.47Y	124.6	0.02	0.42	43.07	8	923	286	96	0.07	0.0	1.329	0.046	0	0	0	276
PL.32213	PL.32211	ABC	336 MCM AC	7.47Y	124.6	0.02	0.44	43.07	8	923	286	96	0.09	0.0	1.386	0.057	0	0	0	276
PL.32214	PL.32213	ABC	336 MCM AC	7.47Y	124.5	0.02	0.46	43.07	8	923	286	96	0.09	0.0	1.440	0.055	0	0	0	276
PL.32215	PL.32214	ABC	336 MCM AC	7.47Y	124.5	0.02	0.48	43.07	8	922	285	96	0.09	0.0	1.497	0.057	0	0	0	276
PL.32216	PL.32215	ABC	336 MCM AC	7.47Y	124.5	0.02	0.50	42.98	8	920	285	96	0.09	0.0	1.558	0.060	0	0	0	275

KEY-> 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: Greenhall

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.32217	PL.32216	ABC	336 MCM AC	7.47Y	124.5	0.02	0.51	42.98	8	920	284	96	0.08	0.0	1.610	0.053	0	0	0	275
PL.32218	PL.32217	ABC	336 MCM AC	7.47Y	124.5	0.02	0.54	42.98	8	920	284	96	0.11	0.0	1.681	0.071	0	0	0	275
PL.32219	PL.32218	ABC	336 MCM AC	7.47Y	124.4	0.02	0.56	42.98	8	920	284	96	0.10	0.0	1.745	0.064	0	0	0	275
PL.32220	PL.32219	ABC	336 MCM AC	7.47Y	124.4	0.02	0.58	42.98	8	920	284	96	0.11	0.0	1.818	0.073	0	0	0	275
PL.32221	PL.32220	ABC	336 MCM AC	7.46Y	124.4	0.02	0.60	42.98	8	920	283	96	0.08	0.0	1.872	0.054	0	0	0	275
PL.32222	PL.32221	ABC	336 MCM AC	7.46Y	124.4	0.02	0.62	42.98	8	920	283	96	0.08	0.0	1.925	0.054	0	0	0	275
PL.32223	PL.32222	ABC	336 MCM AC	7.46Y	124.4	0.02	0.63	42.98	8	920	283	96	0.08	0.0	1.979	0.054	0	0	0	275
PL.32224	PL.32223	ABC	336 MCM AC	7.46Y	124.3	0.03	0.66	42.98	8	920	283	96	0.12	0.0	2.058	0.078	0	0	0	275
PL.32225	PL.32224	ABC	336 MCM AC	7.46Y	124.3	0.02	0.68	42.98	8	920	283	96	0.07	0.0	2.105	0.047	0	0	0	275
PL.32226	PL.32225	ABC	336 MCM AC	7.46Y	124.3	0.02	0.69	42.30	8	905	278	96	0.08	0.0	2.161	0.056	0	0	0	272
PL.32228	PL.32226	ABC	336 MCM AC	7.46Y	124.3	0.02	0.72	42.30	8	905	278	96	0.10	0.0	2.226	0.065	0	0	0	272
PL.32229	PL.32228	ABC	336 MCM AC	7.46Y	124.3	0.03	0.75	42.30	8	905	278	96	0.15	0.0	2.324	0.097	6	2	1	272
PL.32230	PL.32229	ABC	336 MCM AC	7.45Y	124.2	0.02	0.76	42.02	8	899	276	96	0.07	0.0	2.372	0.048	0	0	0	271
PL.32232	PL.32230	ABC	336 MCM AC	7.45Y	124.2	0.01	0.78	42.02	8	898	276	96	0.07	0.0	2.418	0.046	4	1	1	271
PL.32233	PL.32232	ABC	336 MCM AC	7.45Y	124.2	0.02	0.80	41.82	8	894	274	96	0.10	0.0	2.488	0.070	0	0	0	270
PL.32234	PL.32233	ABC	336 MCM AC	7.45Y	124.2	0.02	0.82	41.82	8	894	274	96	0.10	0.0	2.559	0.071	0	0	0	270
PL.32235	PL.32234	ABC	336 MCM AC	7.45Y	124.2	0.02	0.84	41.82	8	894	274	96	0.08	0.0	2.611	0.052	0	0	0	270
PL.32574	PL.32235	ABC	336 MCM AC	7.45Y	124.1	0.03	0.87	41.82	8	894	273	96	0.15	0.0	2.711	0.101	0	0	0	270
PL.32575	PL.32574	ABC	336 MCM AC	7.45Y	124.1	0.00	0.87	41.82	8	893	273	96	0.01	0.0	2.716	0.004	0	0	0	270
PL.32236	PL.32575	ABC	336 MCM AC	7.45Y	124.1	0.01	0.89	41.82	8	893	273	96	0.07	0.0	2.762	0.047	0	0	0	270
PL.32237	PL.32236	ABC	336 MCM AC	7.45Y	124.1	0.03	0.91	41.82	8	893	273	96	0.12	0.0	2.845	0.082	0	0	0	270
PL.32238	PL.32237	ABC	336 MCM AC	7.44Y	124.1	0.03	0.94	41.82	8	893	273	96	0.12	0.0	2.924	0.079	0	0	0	270
PL.32239	PL.32238	ABC	336 MCM AC	7.44Y	124.0	0.02	0.96	41.82	8	893	272	96	0.09	0.0	2.984	0.061	0	0	0	270
PL.32568	PL.32239	C	#4 ACSR	7.44Y	124.0	0.00	0.96	1.38	1	10	3	96	0.00	0.0	2.988	0.004	0	0	0	2
PD.4435	PL.32568	C	65T	7.44Y	124.0	0.00	0.96	1.38	0	10	3	96	0.00	0.0	2.988	0.004	0	0	0	2
PL.32569	PD.4435	C	#4 ACSR	7.44Y	124.0	0.00	0.96	1.38	1	10	3	96	0.00	0.0	3.008	0.020	10	3	2	2
PL.32240	PL.32239	ABC	336 MCM AC	7.44Y	124.0	0.02	0.98	41.36	8	883	269	96	0.11	0.0	3.059	0.075	0	0	0	268
PL.32241	PL.32240	ABC	336 MCM AC	7.44Y	124.0	0.02	1.01	41.36	8	883	269	96	0.10	0.0	3.132	0.073	0	0	0	268
PL.32242	PL.32241	ABC	336 MCM AC	7.44Y	124.0	0.01	1.02	41.36	8	883	269	96	0.07	0.0	3.177	0.045	0	0	0	268
PL.32243	PL.32242	ABC	336 MCM AC	7.44Y	124.0	0.01	1.04	41.36	8	883	269	96	0.07	0.0	3.225	0.047	0	0	0	268
PL.32244	PL.32243	ABC	336 MCM AC	7.44Y	123.9	0.02	1.05	41.36	8	883	268	96	0.08	0.0	3.281	0.056	0	0	0	268

KEY-> 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: Greenhall

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.32245	PL.32244	ABC	336 MCM AC	7.44Y	123.9	0.01	1.07	41.36	8	883	268	96	0.07	0.0	3.327	0.046	0	0	0	268
PL.32246	PL.32245	ABC	336 MCM AC	7.44Y	123.9	0.02	1.08	41.36	8	883	268	96	0.07	0.0	3.376	0.049	0	0	0	268
PL.32247	PL.32246	ABC	336 MCM AC	7.43Y	123.9	0.02	1.10	41.36	8	883	268	96	0.07	0.0	3.426	0.050	0	0	0	268
PL.32248	PL.32247	ABC	336 MCM AC	7.43Y	123.9	0.02	1.12	41.36	8	883	268	96	0.09	0.0	3.487	0.061	0	0	0	268
PL.32249	PL.32248	ABC	336 MCM AC	7.43Y	123.9	0.02	1.14	41.36	8	883	268	96	0.08	0.0	3.546	0.058	0	0	0	268
PL.32250	PL.32249	ABC	336 MCM AC	7.43Y	123.8	0.02	1.16	41.36	8	882	267	96	0.11	0.0	3.621	0.075	0	0	0	268
PL.32251	PL.32250	ABC	336 MCM AC	7.43Y	123.8	0.02	1.18	41.36	8	882	267	96	0.09	0.0	3.682	0.061	0	0	0	268
PL.32252	PL.32251	ABC	336 MCM AC	7.43Y	123.8	0.01	1.19	41.36	8	882	267	96	0.05	0.0	3.720	0.037	0	0	0	268
PL.32253	PL.32252	ABC	336 MCM AC	7.43Y	123.8	0.03	1.22	41.36	8	882	267	96	0.15	0.0	3.823	0.103	0	0	0	268
PL.32566	PL.32253	C	6 A (CWC)	7.43Y	123.8	0.00	1.22	0.59	0	4	1	97	0.00	0.0	3.827	0.004	0	0	0	4
PD.4434	PL.32566	C	65T	7.43Y	123.8	0.00	1.22	0.59	0	4	1	97	0.00	0.0	3.827	0.004	0	0	0	4
PL.32567	PD.4434	C	6 A (CWC)	7.43Y	123.8	0.00	1.23	0.59	0	4	1	97	0.00	0.0	3.886	0.060	0	0	0	4
PL.32255	PL.32567	C	6 A (CWC)	7.43Y	123.8	0.00	1.23	0.43	0	3	1	95	0.00	0.0	4.000	0.114	3	1	3	3
PL.32310	PL.32567	C	6 A (CWC)	7.43Y	123.8	0.00	1.23	0.16	0	1	0	100	0.00	0.0	3.913	0.027	1	0	1	1
PL.32594	PL.32253	C	6 A (CWC)	7.43Y	123.8	0.00	1.22	1.00	1	7	2	96	0.00	0.0	3.826	0.004	0	0	0	2
PD.4447	PL.32594	C	65T	7.43Y	123.8	0.00	1.22	1.00	0	7	2	96	0.00	0.0	3.826	0.004	0	0	0	2
PL.32595	PD.4447	C	6 A (CWC)	7.43Y	123.8	0.01	1.23	1.00	1	7	2	96	0.00	0.0	3.938	0.111	0	0	0	2
PL.32433	PL.32595	C	6 A (CWC)	7.43Y	123.8	0.01	1.24	1.00	1	7	2	96	0.00	0.0	4.058	0.121	0	0	0	2
PL.32345	PL.32433	C	6 A (CWC)	7.43Y	123.8	0.01	1.24	1.00	1	7	2	96	0.00	0.0	4.176	0.118	0	0	0	2
PL.32257	PL.32345	C	6 A (CWC)	7.43Y	123.8	0.01	1.25	1.00	1	7	2	96	0.00	0.0	4.300	0.124	0	0	0	2
PL.32311	PL.32257	C	6 A (CWC)	7.43Y	123.8	0.00	1.25	0.18	0	1	0	100	0.00	0.0	4.373	0.073	0	0	0	1
PL.32346	PL.32311	C	6 A (CWC)	7.43Y	123.8	0.00	1.25	0.18	0	1	0	100	0.00	0.0	4.489	0.116	0	0	0	1
PL.32259	PL.32346	C	6 A (CWC)	7.43Y	123.8	0.00	1.25	0.18	0	1	0	100	0.00	0.0	4.577	0.088	0	0	0	1
PL.32260	PL.32259	C	#4 ACSR	7.43Y	123.8	0.00	1.25	0.18	0	1	0	100	0.00	0.0	4.617	0.040	1	0	1	1
PL.32258	PL.32257	C	#1/0 ACSR	7.43Y	123.8	0.00	1.25	0.83	0	6	2	95	0.00	0.0	4.384	0.085	6	2	1	1
PL.32254	PL.32253	ABC	336 MCM AC	7.42Y	123.7	0.03	1.26	40.83	8	871	263	96	0.15	0.0	3.929	0.106	0	0	0	262
PL.32347	PL.32254	ABC	336 MCM AC	7.42Y	123.7	0.04	1.29	40.83	8	871	263	96	0.17	0.0	4.046	0.118	0	0	0	262
PL.32348	PL.32347	ABC	336 MCM AC	7.42Y	123.7	0.04	1.33	40.83	8	870	262	96	0.16	0.0	4.161	0.114	0	0	0	262
PL.32349	PL.32348	ABC	336 MCM AC	7.42Y	123.6	0.04	1.37	40.83	8	870	262	96	0.18	0.0	4.288	0.128	0	0	0	262
PL.32261	PL.32349	ABC	336 MCM AC	7.42Y	123.6	0.03	1.40	40.57	8	865	260	96	0.16	0.0	4.401	0.113	0	0	0	261
PL.32431	PL.32261	ABC	336 MCM AC	7.41Y	123.6	0.04	1.44	40.57	8	864	260	96	0.18	0.0	4.531	0.130	0	0	0	261

KEY-> 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: Greenhall

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.32432	PL.32431	ABC	336 MCM AC	7.41Y	123.6	0.00	1.45	40.00	8	852	256	96	0.01	0.0	4.535	0.004	0	0	0	257
PL.32430	PL.32432	ABC	336 MCM AC	7.41Y	123.5	0.03	1.47	40.00	8	852	256	96	0.12	0.0	4.623	0.088	0	0	0	257
PL.32429	PL.32430	ABC	336 MCM AC	7.41Y	123.5	0.01	1.49	40.00	8	852	255	96	0.06	0.0	4.669	0.046	0	0	0	257
PL.31708	PL.32429	ABC	336 MCM AC	7.41Y	123.5	0.01	1.50	39.87	8	849	254	96	0.05	0.0	4.706	0.037	5	2	1	256
PL.31709	PL.31708	ABC	336 MCM AC	7.41Y	123.5	0.04	1.54	39.62	8	844	253	96	0.17	0.0	4.832	0.126	0	0	0	255
PL.32353	PL.31709	ABC	336 MCM AC	7.41Y	123.4	0.02	1.56	39.62	8	844	252	96	0.10	0.0	4.906	0.074	0	0	0	255
PL.32562	PL.32353	ABC	336 MCM AC	7.41Y	123.4	0.00	1.56	38.48	7	819	245	96	0.01	0.0	4.910	0.004	0	0	0	249
PL.32563	PL.32562	ABC	336 MCM AC	7.40Y	123.4	0.05	1.61	38.48	7	819	245	96	0.21	0.0	5.082	0.172	0	0	0	249
PL.32358	PL.32563	ABC	336 MCM AC	7.40Y	123.4	0.04	1.65	38.48	7	819	245	96	0.16	0.0	5.210	0.128	0	0	0	249
PL.32359	PL.32358	ABC	336 MCM AC	7.40Y	123.3	0.04	1.69	38.48	7	819	244	96	0.17	0.0	5.351	0.140	0	0	0	249
PL.31440	PL.32359	ABC	336 MCM AC	7.40Y	123.3	0.00	1.69	38.48	7	819	244	96	0.00	0.0	5.353	0.003	0	0	0	249
PD.4466	PL.31440	ABC	100L	7.40Y	123.3	0.00	1.69	38.48	38	819	244	96	0.00	0.0	5.353	0.003	0	0	0	249
PL.31441	PD.4466	ABC	336 MCM AC	7.40Y	123.3	0.02	1.71	38.48	7	819	244	96	0.08	0.0	5.419	0.066	0	0	0	249
PL.31712	PL.31441	ABC	336 MCM AC	7.40Y	123.3	0.01	1.72	32.94	6	701	209	96	0.04	0.0	5.462	0.042	1	0	1	210
PL.31713	PL.31712	ABC	336 MCM AC	7.40Y	123.3	0.01	1.73	32.90	6	700	209	96	0.04	0.0	5.509	0.048	2	1	1	209
PL.32293	PL.31713	ABC	336 MCM AC	7.40Y	123.3	0.01	1.74	32.29	6	686	205	96	0.04	0.0	5.556	0.047	4	1	1	205
PL.31379	PL.32293	ABC	336 MCM AC	7.40Y	123.3	0.00	1.74	0.60	0	13	4	96	0.00	0.0	5.617	0.061	6	2	1	3
PL.31380	PL.31379	ABC	336 MCM AC	7.40Y	123.3	0.00	1.74	0.30	0	6	2	95	0.00	0.0	5.711	0.094	0	0	0	2
PL.32368	PL.31380	ABC	336 MCM AC	7.40Y	123.3	0.00	1.74	0.30	0	6	2	95	0.00	0.0	5.829	0.118	0	0	0	2
PL.32427	PL.32368	ABC	336 MCM AC	7.40Y	123.3	0.00	1.74	0.30	0	6	2	95	0.00	0.0	5.902	0.073	0	0	0	2
PL.32428	PL.32427	ABC	336 MCM AC	7.40Y	123.3	0.00	1.74	0.30	0	6	2	95	0.00	0.0	5.935	0.033	2	1	1	2
PL.31381	PL.32428	ABC	336 MCM AC	7.40Y	123.3	0.00	1.74	0.21	0	4	1	97	0.00	0.0	5.977	0.042	0	0	0	1
PL.32544	PL.31381	A	#1/0 ACSR	7.40Y	123.3	0.00	1.74	0.62	0	4	1	97	0.00	0.0	6.021	0.044	0	0	0	1
PD.4422	PL.32544	A	40T	7.40Y	123.3	0.00	1.74	0.62	0	4	1	97	0.00	0.0	6.021	0.044	0	0	0	1
PL.32545	PD.4422	A	#1/0 ACSR	7.40Y	123.3	0.00	1.74	0.62	0	4	1	97	0.00	0.0	6.056	0.036	4	1	1	1
PL.32607	PL.31381	ABC	336 MCM AC	7.40Y	123.3	0.00	1.74	0.00	0	0	0	100	0.00	0.0	5.982	0.005	0	0	0	0
PD.4405-B	PL.32607	ABC	Open	7.40Y	123.3	0.00	1.74	0.00	0	0	0	100	0.00	0.0	5.982	0.005	0	0	0	0
PL.32600	PL.32427	A	#4 ACSR	7.40Y	123.3	0.00	1.74	0.00	0	0	0	100	0.00	0.0	5.907	0.005	0	0	0	0
PD.4451	PL.32600	A	40T	7.40Y	123.3	0.00	1.74	0.00	0	0	0	100	0.00	0.0	5.907	0.005	0	0	0	0
PL.32601	PD.4451	A	#4 ACSR	7.40Y	123.3	0.00	1.74	0.00	0	0	0	100	0.00	0.0	5.965	0.058	0	0	0	0
PL.31442	PL.32293	ABC	#2 ACSR	7.39Y	123.2	0.03	1.77	31.51	18	670	200	96	0.14	0.0	5.591	0.034	0	0	0	201

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Balanced Voltage Drop Report
Source: Greenhall

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
RG.35	PL.31442	ABC	76.2 KVA	7.44Y	124.0	-0.78	1.00	31.51	32	670	200	96	percent Boost= 0.62 Tap= 1.0							201
PL.31443	RG.35	ABC	#2 ACSR	7.43Y	123.9	0.11	1.10	31.31	18	670	200	96	0.54	0.1	5.725	0.134	0	0	0	201
PL.32602	PL.31443	C	#4 ACSR	7.43Y	123.9	0.00	1.10	1.81	1	13	4	96	0.00	0.0	5.729	0.005	0	0	0	1
PD.4452	PL.32602	C	40T	7.43Y	123.9	0.00	1.10	1.81	0	13	4	96	0.00	0.0	5.729	0.005	0	0	0	1
PL.32603	PD.4452	C	#4 ACSR	7.43Y	123.9	0.00	1.10	1.81	1	13	4	96	0.00	0.0	5.785	0.056	13	4	1	1
PL.32319	PL.31443	ABC	#2 ACSR	7.43Y	123.8	0.08	1.18	30.71	18	656	196	96	0.40	0.1	5.829	0.105	2	1	1	200
PL.31694	PL.32319	ABC	#2 ACSR	7.43Y	123.8	0.05	1.23	30.62	17	654	195	96	0.25	0.0	5.894	0.065	2	1	2	199
PL.31695	PL.31694	ABC	#2 ACSR	7.42Y	123.6	0.12	1.35	30.52	17	652	194	96	0.59	0.1	6.049	0.154	3	1	1	197
PL.31674	PL.31695	ABC	#2 ACSR	7.41Y	123.6	0.09	1.44	30.41	17	649	193	96	0.45	0.1	6.166	0.118	1	0	1	196
PL.31675	PL.31674	ABC	#2 ACSR	7.41Y	123.5	0.06	1.51	30.35	17	647	193	96	0.30	0.0	6.247	0.080	2	1	1	195
PL.32542	PL.31675	A	#4 ACSR	7.41Y	123.5	0.00	1.51	0.50	0	4	1	97	0.00	0.0	6.251	0.005	0	0	0	2
PD.4421	PL.32542	A	40T	7.41Y	123.5	0.00	1.51	0.50	0	4	1	97	0.00	0.0	6.251	0.005	0	0	0	2
PL.32543	PD.4421	A	#4 ACSR	7.41Y	123.5	0.00	1.51	0.50	0	4	1	97	0.00	0.0	6.356	0.105	2	1	1	2
PL.31384	PL.32543	A	#1/0 ACSR	7.41Y	123.5	0.00	1.51	0.26	0	2	1	89	0.00	0.0	6.399	0.042	2	1	1	1
PL.31382	PL.31675	ABC	#2 ACSR	7.40Y	123.4	0.08	1.59	30.09	17	641	191	96	0.39	0.1	6.352	0.105	0	0	0	192
PL.32369	PL.31382	ABC	#2 ACSR	7.40Y	123.3	0.09	1.68	30.09	17	641	191	96	0.45	0.1	6.473	0.121	2	1	2	192
PL.31383	PL.32369	ABC	#2 ACSR	7.40Y	123.3	0.06	1.74	29.98	17	638	190	96	0.31	0.0	6.557	0.083	0	0	0	190
PL.31672	PL.31383	ABC	#2 ACSR	7.39Y	123.2	0.05	1.80	29.58	17	629	187	96	0.26	0.0	6.630	0.074	9	3	1	187
PL.31673	PL.31672	ABC	#2 ACSR	7.39Y	123.1	0.06	1.85	29.17	17	620	184	96	0.27	0.0	6.707	0.077	0	0	0	186
PL.32538	PL.31673	ABC	#2 ACSR	7.38Y	123.1	0.08	1.94	25.59	15	544	162	96	0.35	0.1	6.838	0.131	0	0	0	156
PL.32539	PL.32538	ABC	#2 ACSR	7.38Y	123.1	0.00	1.94	25.59	15	543	162	96	0.01	0.0	6.843	0.004	0	0	0	156
PL.31418	PL.32539	C	#4 ACSR	7.38Y	123.1	0.00	1.94	0.82	1	6	2	95	0.00	0.0	6.847	0.005	0	0	0	1
PD.4454	PL.31418	C	40T	7.38Y	123.1	0.00	1.94	0.82	0	6	2	95	0.00	0.0	6.847	0.005	0	0	0	1
PL.31419	PD.4454	C	#4 ACSR	7.38Y	123.1	0.00	1.94	0.82	1	6	2	95	0.00	0.0	6.893	0.046	6	2	1	1
PL.32501	PL.32539	ABC	#2 ACSR	7.38Y	123.0	0.04	1.98	25.00	14	531	158	96	0.15	0.0	6.900	0.058	6	2	1	154
PL.32502	PL.32501	ABC	#2 ACSR	7.38Y	123.0	0.01	1.99	24.72	14	525	156	96	0.05	0.0	6.921	0.021	3	1	1	153
PL.32503	PL.32502	ABC	#2 ACSR	7.38Y	122.9	0.06	2.05	24.58	14	522	156	96	0.25	0.0	7.021	0.101	0	0	0	152
PL.32470	PL.32503	ABC	#2 ACSR	7.37Y	122.9	0.04	2.09	24.22	14	514	153	96	0.15	0.0	7.085	0.063	0	0	2	150
PL.32471	PL.32470	ABC	#2 ACSR	7.37Y	122.9	0.04	2.13	24.22	14	513	153	96	0.15	0.0	7.145	0.061	0	0	0	148
PL.31408	PL.32471	ABC	#1/0 ACSR	7.37Y	122.9	0.02	2.14	15.33	7	325	98	96	0.03	0.0	7.200	0.054	5	1	2	88
PL.32472	PL.31408	ABC	#1/0 ACSR	7.37Y	122.9	0.00	2.15	2.34	1	50	14	96	0.00	0.0	7.261	0.062	2	0	2	15

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Balanced Voltage Drop Report
Source: Greenhall

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.32473	PL.32472	ABC	#1/0 ACSR	7.37Y	122.9	0.00	2.15	2.26	1	48	14	96	0.00	0.0	7.303	0.041	1	0	1	13
PL.32474	PL.32473	C	6 A (CWC)	7.37Y	122.8	0.00	2.15	5.44	4	38	11	96	0.00	0.0	7.315	0.012	1	0	1	11
PL.32532	PL.32474	C	6 A (CWC)	7.37Y	122.8	0.00	2.16	5.30	4	38	11	96	0.00	0.0	7.335	0.020	0	0	0	10
PD.4417	PL.32532	C	40T	7.37Y	122.8	0.00	2.16	5.30	0	38	11	96	0.00	0.0	7.335	0.020	0	0	0	10
PL.32533	PD.4417	C	6 A (CWC)	7.37Y	122.8	0.01	2.16	5.30	4	38	11	96	0.00	0.0	7.367	0.032	9	3	1	10
PL.32475	PL.32533	C	6 A (CWC)	7.37Y	122.8	0.02	2.19	4.08	3	29	8	96	0.00	0.0	7.481	0.114	0	0	0	9
PL.32476	PL.32475	C	6 A (CWC)	7.37Y	122.8	0.03	2.21	4.08	3	29	8	96	0.01	0.0	7.627	0.146	0	0	0	9
PL.32296	PL.32476	C	6 A (CWC)	7.37Y	122.8	0.02	2.23	4.08	3	29	8	96	0.00	0.0	7.723	0.096	0	0	0	9
PL.32478	PL.32296	C	6 A (CWC)	7.37Y	122.8	0.02	2.25	4.08	3	29	8	96	0.00	0.0	7.806	0.083	0	0	0	9
PL.32479	PL.32478	C	6 A (CWC)	7.36Y	122.7	0.01	2.26	4.08	3	29	8	96	0.00	0.0	7.866	0.060	8	2	1	9
PL.32297	PL.32479	C	6 A (CWC)	7.36Y	122.7	0.02	2.27	3.00	2	21	6	96	0.00	0.0	7.983	0.116	0	0	0	8
PL.32396	PL.32297	C	6 A (CWC)	7.36Y	122.7	0.02	2.29	3.00	2	21	6	96	0.00	0.0	8.093	0.110	0	0	0	8
PL.32411	PL.32396	C	6 A (CWC)	7.36Y	122.7	0.02	2.30	3.00	2	21	6	96	0.00	0.0	8.207	0.114	0	0	0	8
PL.31685	PL.32411	C	6 A (CWC)	7.36Y	122.7	0.01	2.31	2.66	2	19	5	97	0.00	0.0	8.277	0.070	15	4	3	6
PL.31686	PL.31685	C	6 A (CWC)	7.36Y	122.7	0.00	2.31	0.55	0	4	1	97	0.00	0.0	8.365	0.088	0	0	0	3
PL.32399	PL.31686	C	6 A (CWC)	7.36Y	122.7	0.00	2.31	0.55	0	4	1	97	0.00	0.0	8.490	0.125	0	0	0	3
PL.32400	PL.32399	C	6 A (CWC)	7.36Y	122.7	0.00	2.31	0.55	0	4	1	97	0.00	0.0	8.556	0.066	4	1	1	3
PL.32299	PL.32400	C	6 A (CWC)	7.36Y	122.7	0.00	2.31	0.00	0	0	0	100	0.00	0.0	8.670	0.114	0	0	0	2
PL.32401	PL.32299	C	6 A (CWC)	7.36Y	122.7	0.00	2.31	0.00	0	0	0	100	0.00	0.0	8.751	0.081	0	0	2	2
PL.32412	PL.32411	C	6 A (CWC)	7.36Y	122.7	0.00	2.30	0.34	0	2	1	89	0.00	0.0	8.338	0.130	0	0	0	2
PL.32397	PL.32412	C	6 A (CWC)	7.36Y	122.7	0.00	2.31	0.34	0	2	1	89	0.00	0.0	8.409	0.071	0	0	0	2
PL.31688	PL.32397	C	6 A (CWC)	7.36Y	122.7	0.00	2.31	0.00	0	0	0	100	0.00	0.0	8.480	0.071	0	0	0	0
PL.31689	PL.31688	C	6 A (CWC)	7.36Y	122.7	0.00	2.31	0.00	0	0	0	100	0.00	0.0	8.572	0.091	0	0	0	0
PL.32398	PL.31689	C	6 A (CWC)	7.36Y	122.7	0.00	2.31	0.00	0	0	0	100	0.00	0.0	8.682	0.110	0	0	0	0
PL.32298	PL.32397	C	#4 ACSR	7.36Y	122.7	0.00	2.31	0.34	0	2	1	89	0.00	0.0	8.497	0.088	2	1	2	2
PL.32295	PL.32296	C	6 A (CWC)	7.37Y	122.8	0.00	2.23	0.00	0	0	0	100	0.00	0.0	7.799	0.075	0	0	0	0
PL.31417	PL.32473	C	#4 ACSR	7.37Y	122.8	0.00	2.15	1.23	1	9	3	95	0.00	0.0	7.326	0.024	0	0	0	1
PL.32534	PL.31417	C	#4 ACSR	7.37Y	122.8	0.00	2.15	1.23	1	9	3	95	0.00	0.0	7.331	0.005	0	0	0	1
PD.4418	PL.32534	C	40T	7.37Y	122.8	0.00	2.15	1.23	0	9	3	95	0.00	0.0	7.331	0.005	0	0	0	1
PL.32535	PD.4418	C	#4 ACSR	7.37Y	122.8	0.00	2.15	1.23	1	9	3	95	0.00	0.0	7.415	0.084	9	3	1	1
PL.32477	PL.32535	C	#4 ACSR	7.37Y	122.8	0.00	2.15	0.00	0	0	0	100	0.00	0.0	7.520	0.105	0	0	0	0

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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.32403	PL.32477	C	#4 ACSR	7.37Y	122.8	0.00	2.15	0.00	0	0	0	100	0.00	0.0	7.633	0.113	0	0	0	0	
PL.32402	PL.32403	C	#4 ACSR	7.37Y	122.8	0.00	2.15	0.00	0	0	0	100	0.00	0.0	7.750	0.117	0	0	0	0	
PL.31438	PL.31408	C	#1/0 ACSR	7.37Y	122.8	0.07	2.22	38.29	17	270	82	96	0.13	0.0	7.280	0.081	0	0	0	71	
C PD.4465	PL.31438	C	50L	7.37Y	122.8	0.00	2.22	38.29	77	270	82	96	0.00	0.0	7.280	0.081	0	0	0	71	C
PL.31439	PD.4465	C	#1/0 ACSR	7.36Y	122.7	0.10	2.31	38.29	17	270	82	96	0.17	0.1	7.388	0.107	0	0	0	71	
PL.32375	PL.31439	C	#1/0 ACSR	7.35Y	122.6	0.10	2.42	38.29	17	270	82	96	0.18	0.1	7.503	0.116	0	0	0	71	
PL.32376	PL.32375	C	#1/0 ACSR	7.35Y	122.5	0.08	2.50	38.29	17	270	81	96	0.14	0.1	7.594	0.091	0	0	0	71	
PL.32468	PL.32376	C	#1/0 ACSR	7.35Y	122.4	0.06	2.56	38.29	17	269	81	96	0.11	0.0	7.662	0.068	2	1	1	71	
PL.32469	PL.32468	C	#1/0 ACSR	7.34Y	122.4	0.08	2.65	37.99	17	267	80	96	0.15	0.1	7.756	0.094	5	1	2	70	
PL.32464	PL.32469	C	#1/0 ACSR	7.34Y	122.3	0.06	2.70	37.32	16	262	79	96	0.10	0.0	7.822	0.066	5	2	1	68	
PL.32465	PL.32464	C	#1/0 ACSR	7.33Y	122.2	0.10	2.80	36.55	16	257	77	96	0.16	0.1	7.936	0.114	0	0	0	67	
PL.32377	PL.32465	C	#1/0 ACSR	7.33Y	122.1	0.09	2.89	36.55	16	257	77	96	0.15	0.1	8.042	0.106	0	0	0	67	
PL.32378	PL.32377	C	#1/0 ACSR	7.32Y	122.0	0.13	3.02	36.55	16	257	77	96	0.21	0.1	8.190	0.148	0	0	0	67	
PL.32379	PL.32378	C	#1/0 ACSR	7.31Y	121.9	0.13	3.15	36.55	16	256	77	96	0.22	0.1	8.341	0.151	0	0	0	67	
PL.32380	PL.32379	C	#1/0 ACSR	7.31Y	121.8	0.08	3.23	36.55	16	256	76	96	0.13	0.1	8.434	0.093	0	0	0	67	
PL.31640	PL.32380	C	#1/0 ACSR	7.30Y	121.6	0.13	3.35	36.55	16	256	76	96	0.21	0.1	8.581	0.147	0	0	0	67	
PL.32330	PL.31640	C	#1/0 ACSR	7.29Y	121.6	0.10	3.45	34.69	15	243	72	96	0.15	0.1	8.699	0.117	0	0	0	64	
PL.32524	PL.32330	C	#1/0 ACSR	7.29Y	121.5	0.00	3.45	1.18	1	8	2	97	0.00	0.0	8.703	0.005	0	0	0	2	
PD.4412	PL.32524	C	20T	7.29Y	121.5	0.00	3.45	1.18	0	8	2	97	0.00	0.0	8.703	0.005	0	0	0	2	
PL.32525	PD.4412	C	#1/0 ACSR	7.29Y	121.5	0.00	3.45	1.18	1	8	2	97	0.00	0.0	8.736	0.033	0	0	1	2	
PL.32458	PL.32525	C	#1/0 ACSR	7.29Y	121.5	0.00	3.45	1.18	1	8	2	97	0.00	0.0	8.768	0.032	8	2	1	1	
PL.32454	PL.32330	C	#1/0 ACSR	7.29Y	121.4	0.11	3.56	33.51	15	234	69	96	0.17	0.1	8.836	0.137	0	0	1	62	
PL.32455	PL.32454	C	#1/0 ACSR	7.28Y	121.3	0.10	3.65	33.50	15	234	69	96	0.15	0.1	8.959	0.123	0	0	0	61	
PL.32522	PL.32455	C	6 A (CWC)	7.28Y	121.3	0.00	3.66	6.39	5	45	13	96	0.00	0.0	8.963	0.005	0	0	0	11	
PD.4411	PL.32522	C	20T	7.28Y	121.3	0.00	3.66	6.39	0	45	13	96	0.00	0.0	8.963	0.005	0	0	0	11	
PL.32523	PD.4411	C	6 A (CWC)	7.28Y	121.3	0.03	3.69	6.39	5	45	13	96	0.01	0.0	9.077	0.113	0	0	0	11	
PL.31642	PL.32523	C	6 A (CWC)	7.28Y	121.3	0.02	3.71	6.39	5	45	13	96	0.01	0.0	9.137	0.060	0	0	0	11	
PL.32332	PL.31642	C	6 A (CWC)	7.28Y	121.3	0.00	3.71	3.47	2	24	7	96	0.00	0.0	9.160	0.023	5	1	1	7	
PL.31645	PL.32332	C	6 A (CWC)	7.28Y	121.3	0.01	3.72	2.79	2	20	6	96	0.00	0.0	9.268	0.108	0	0	0	6	
PL.31647	PL.31645	C	#1/0 ACSR	7.28Y	121.3	0.00	3.72	1.43	1	10	3	96	0.00	0.0	9.304	0.036	10	3	1	1	
PL.32461	PL.31645	C	6 A (CWC)	7.28Y	121.3	0.01	3.73	1.37	1	10	3	96	0.00	0.0	9.368	0.100	1	0	2	5	

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Balanced Voltage Drop Report
Source: Greenhall

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.32462	PL.32461	C	6 A (CWC)	7.28Y	121.3	0.01	3.74	1.25	1	9	3	95	0.00	0.0	9.481	0.113	0	0	1	3
PL.32463	PL.32462	C	6 A (CWC)	7.28Y	121.3	0.00	3.74	1.19	1	8	2	97	0.00	0.0	9.526	0.045	0	0	0	2
PL.31649	PL.32463	C	6 A (CWC)	7.28Y	121.3	0.00	3.74	0.76	1	5	2	93	0.00	0.0	9.574	0.048	5	2	1	1
PL.31648	PL.32463	C	6 A (CWC)	7.28Y	121.3	0.00	3.74	0.43	0	3	1	95	0.00	0.0	9.603	0.078	0	0	0	1
PL.31650	PL.31648	C	#4 ACSR	7.28Y	121.3	0.00	3.74	0.43	0	3	1	95	0.00	0.0	9.672	0.069	3	1	1	1
PL.32333	PL.31648	C	6 A (CWC)	7.28Y	121.3	0.00	3.74	0.00	0	0	0	100	0.00	0.0	9.720	0.117	0	0	0	0
PL.32381	PL.32333	C	6 A (CWC)	7.28Y	121.3	0.00	3.74	0.00	0	0	0	100	0.00	0.0	9.811	0.090	0	0	0	0
PL.31644	PL.31642	C	6 A (CWC)	7.28Y	121.3	0.00	3.71	2.92	2	20	6	96	0.00	0.0	9.141	0.004	0	0	0	4
PD.4414	PL.31644	C	12T	7.28Y	121.3	0.00	3.71	2.92	0	20	6	96	0.00	0.0	9.141	0.004	0	0	0	4
PL.31643	PD.4414	C	#1/0 ACSR	7.28Y	121.3	0.00	3.71	0.74	0	5	2	93	0.00	0.0	9.174	0.033	5	2	1	1
PL.32459	PD.4414	C	6 A (CWC)	7.28Y	121.3	0.00	3.71	2.18	2	15	4	97	0.00	0.0	9.201	0.061	8	2	1	3
PL.32460	PL.32459	C	6 A (CWC)	7.28Y	121.3	0.00	3.72	1.02	1	7	2	96	0.00	0.0	9.294	0.092	0	0	1	2
PL.32453	PL.32460	C	6 A (CWC)	7.28Y	121.3	0.00	3.72	0.99	1	7	2	96	0.00	0.0	9.328	0.034	0	0	0	1
PL.31646	PL.32453	C	#1/0 ACSR	7.28Y	121.3	0.00	3.72	0.99	0	7	2	96	0.00	0.0	9.381	0.052	7	2	1	1
PL.32331	PL.32455	C	#1/0 ACSR	7.28Y	121.3	0.07	3.72	27.11	12	189	56	96	0.08	0.0	9.064	0.105	0	0	0	50
PL.32382	PL.32331	C	#1/0 ACSR	7.27Y	121.2	0.09	3.82	27.11	12	189	56	96	0.12	0.1	9.214	0.151	6	2	1	50
PL.32450	PL.32382	C	#1/0 ACSR	7.27Y	121.2	0.02	3.83	26.27	11	183	54	96	0.02	0.0	9.241	0.026	4	1	1	49
PL.32451	PL.32450	C	#1/0 ACSR	7.27Y	121.1	0.06	3.89	25.68	11	179	53	96	0.07	0.0	9.339	0.098	0	0	0	48
PL.32518	PL.32451	C	#4 ACSR	7.27Y	121.1	0.00	3.89	0.37	0	3	1	95	0.00	0.0	9.344	0.005	0	0	0	1
PD.4409	PL.32518	C	20T	7.27Y	121.1	0.00	3.89	0.37	0	3	1	95	0.00	0.0	9.344	0.005	0	0	0	1
PL.32519	PD.4409	C	#4 ACSR	7.27Y	121.1	0.00	3.89	0.37	0	3	1	95	0.00	0.0	9.445	0.101	0	0	0	1
PL.32383	PL.32519	C	#4 ACSR	7.27Y	121.1	0.00	3.89	0.37	0	3	1	95	0.00	0.0	9.535	0.090	0	0	0	1
PL.33059	PL.32383	C	#1/0 ACSR	7.27Y	121.1	0.00	3.89	0.37	0	3	1	95	0.00	0.0	9.588	0.054	3	1	1	1
PL.32408	PL.32451	C	#1/0 ACSR	7.26Y	121.1	0.05	3.94	25.31	11	176	52	96	0.05	0.0	9.418	0.078	0	0	0	47
PL.32384	PL.32408	C	#1/0 ACSR	7.26Y	121.0	0.04	3.98	25.31	11	176	52	96	0.05	0.0	9.490	0.072	0	0	0	47
PL.32385	PL.32384	C	#1/0 ACSR	7.26Y	121.0	0.05	4.03	25.31	11	176	52	96	0.06	0.0	9.569	0.080	0	0	0	47
PL.32520	PL.32385	C	6 A (CWC)	7.26Y	121.0	0.00	4.03	0.02	0	0	0	100	0.00	0.0	9.574	0.005	0	0	0	2
PD.4410	PL.32520	C	20T	7.26Y	121.0	0.00	4.03	0.02	0	0	0	100	0.00	0.0	9.574	0.005	0	0	0	2
PL.32521	PD.4410	C	6 A (CWC)	7.26Y	121.0	0.00	4.03	0.02	0	0	0	100	0.00	0.0	9.641	0.067	0	0	1	2
PL.32452	PL.32521	C	6 A (CWC)	7.26Y	121.0	0.00	4.03	0.02	0	0	0	100	0.00	0.0	9.707	0.067	0	0	1	1
PL.31434	PL.32385	C	6 A (CWC)	7.26Y	121.0	0.01	4.03	25.29	18	176	52	96	0.01	0.0	9.574	0.005	0	0	0	45

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Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.4463-A	PL.31434	C	Closed	7.26Y	121.0	0.00	4.03	25.29	0	176	52	96	0.00	0.0	9.574	0.005	0	0	0	45
PD.4463-B	PD.4463-A	C	Closed	7.26Y	121.0	0.00	4.03	25.29	0	176	52	96	0.00	0.0	9.574	0.005	0	0	0	45
PL.31435	PD.4463-B	C	6 A (CWC)	7.25Y	120.8	0.14	4.17	25.29	18	176	52	96	0.19	0.1	9.693	0.119	0	0	0	45
PL.32386	PL.31435	C	6 A (CWC)	7.24Y	120.6	0.21	4.38	25.29	18	176	52	96	0.28	0.2	9.871	0.178	0	0	0	45
PL.32334	PL.32386	C	6 A (CWC)	7.22Y	120.4	0.22	4.60	25.23	18	175	51	96	0.29	0.2	10.060	0.188	0	0	0	43
PL.31652	PL.32334	C	6 A (CWC)	7.22Y	120.3	0.09	4.69	25.14	18	174	51	96	0.12	0.1	10.136	0.077	0	0	0	42
PL.32528	PL.31652	C	6 A (CWC)	7.22Y	120.3	0.01	4.69	25.14	18	174	51	96	0.01	0.0	10.141	0.004	0	0	0	42
PD.4415	PL.32528	C	20T	7.22Y	120.3	0.00	4.69	25.14	0	174	51	96	0.00	0.0	10.141	0.004	0	0	0	42
PL.32529	PD.4415	C	6 A (CWC)	7.21Y	120.2	0.13	4.82	25.14	18	174	51	96	0.17	0.1	10.251	0.111	2	1	1	42
PL.32438	PL.32529	C	6 A (CWC)	7.21Y	120.1	0.08	4.90	24.86	18	172	50	96	0.11	0.1	10.322	0.071	0	0	0	41
PL.32336	PL.32438	C	6 A (CWC)	7.20Y	120.0	0.08	4.97	24.45	17	169	49	96	0.10	0.1	10.389	0.067	0	0	0	40
PL.31654	PL.32336	C	6 A (CWC)	7.19Y	119.9	0.15	5.12	24.45	17	169	49	96	0.19	0.1	10.520	0.131	1	0	1	40
PL.32546	PL.31654	C	#4 ACSR	7.19Y	119.9	0.00	5.12	0.19	0	1	0	100	0.00	0.0	10.525	0.005	0	0	0	1
PD.4423	PL.32546	C	20T	7.19Y	119.9	0.00	5.12	0.19	0	1	0	100	0.00	0.0	10.525	0.005	0	0	0	1
PL.32547	PD.4423	C	#4 ACSR	7.19Y	119.9	0.00	5.12	0.19	0	1	0	100	0.00	0.0	10.599	0.074	1	0	1	1
PL.31655	PL.31654	C	6 A (CWC)	7.18Y	119.7	0.16	5.28	24.12	17	167	49	96	0.20	0.1	10.667	0.146	6	2	2	38
PL.31656	PL.31655	C	6 A (CWC)	7.18Y	119.7	0.05	5.33	13.00	9	90	26	96	0.03	0.0	10.749	0.082	2	1	1	20
PL.31413	PL.31656	C	6 A (CWC)	7.18Y	119.6	0.05	5.38	12.65	9	87	25	96	0.04	0.0	10.841	0.093	0	0	0	19
PL.31414	PL.31413	C	6 A (CWC)	7.18Y	119.6	0.02	5.40	12.65	9	87	25	96	0.01	0.0	10.877	0.036	1	0	1	19
PL.31428	PL.31414	C	6 A (CWC)	7.18Y	119.6	0.00	5.40	3.19	2	22	6	96	0.00	0.0	10.881	0.004	0	0	0	6
PD.4459	PL.31428	C	20T	7.18Y	119.6	0.00	5.40	3.19	0	22	6	96	0.00	0.0	10.881	0.004	0	0	0	6
PL.31429	PD.4459	C	6 A (CWC)	7.18Y	119.6	0.01	5.41	3.19	2	22	6	96	0.00	0.0	10.953	0.071	5	2	2	6
PL.31678	PL.31429	C	6 A (CWC)	7.17Y	119.6	0.01	5.42	2.40	2	17	5	96	0.00	0.0	11.041	0.088	7	2	1	4
PL.32305	PL.31678	C	6 A (CWC)	7.17Y	119.6	0.00	5.42	1.41	1	10	3	96	0.00	0.0	11.104	0.063	0	0	0	3
PL.32436	PL.32305	C	6 A (CWC)	7.17Y	119.6	0.01	5.44	1.41	1	10	3	96	0.00	0.0	11.291	0.188	1	0	1	3
PL.32437	PL.32436	C	6 A (CWC)	7.17Y	119.6	0.00	5.44	1.22	1	8	2	97	0.00	0.0	11.364	0.073	6	2	1	2
PL.32435	PL.32437	C	6 A (CWC)	7.17Y	119.6	0.00	5.44	0.37	0	3	1	95	0.00	0.0	11.543	0.178	0	0	0	1
PL.32434	PL.32435	C	6 A (CWC)	7.17Y	119.6	0.00	5.44	0.37	0	3	1	95	0.00	0.0	11.586	0.044	3	1	1	1
PL.31426	PL.31414	C	#4 ACSR	7.18Y	119.6	0.00	5.41	9.28	7	64	19	96	0.00	0.0	10.881	0.004	0	0	0	12
PD.4458	PL.31426	C	20T	7.18Y	119.6	0.00	5.41	9.28	0	64	19	96	0.00	0.0	10.881	0.004	0	0	0	12
PL.31427	PD.4458	C	#4 ACSR	7.17Y	119.5	0.05	5.45	9.28	7	64	19	96	0.02	0.0	10.992	0.111	0	0	0	12

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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.32387	PL.31427	C	#4 ACSR	7.17Y	119.5	0.03	5.49	9.28	7	64	19	96	0.02	0.0	11.076	0.083	0	0	1	12
PL.31679	PL.32387	C	#4 ACSR	7.17Y	119.5	0.02	5.50	9.28	7	64	19	96	0.01	0.0	11.117	0.041	11	3	1	11
PL.31680	PL.31679	C	#4 ACSR	7.17Y	119.5	0.04	5.54	7.65	6	53	15	96	0.01	0.0	11.224	0.107	0	0	0	10
PL.32388	PL.31680	C	#4 ACSR	7.17Y	119.4	0.04	5.58	7.65	6	53	15	96	0.02	0.0	11.338	0.114	0	0	0	10
PL.31415	PL.32388	C	#4 ACSR	7.16Y	119.4	0.04	5.62	7.65	6	53	15	96	0.02	0.0	11.456	0.118	0	0	0	10
PL.32550	PL.31415	C	#4 ACSR	7.16Y	119.4	0.00	5.62	0.38	0	3	1	95	0.00	0.0	11.461	0.005	0	0	0	1
PD.4425	PL.32550	C	12T	7.16Y	119.4	0.00	5.62	0.38	0	3	1	95	0.00	0.0	11.461	0.005	0	0	0	1
PL.32551	PD.4425	C	#4 ACSR	7.16Y	119.4	0.00	5.62	0.38	0	3	1	95	0.00	0.0	11.645	0.184	3	1	1	1
PL.31416	PL.31415	C	#4 ACSR	7.16Y	119.3	0.04	5.66	7.27	6	50	15	96	0.02	0.0	11.589	0.133	0	0	0	9
PL.32389	PL.31416	C	#4 ACSR	7.16Y	119.3	0.04	5.70	7.27	6	50	15	96	0.02	0.0	11.733	0.144	7	2	1	9
PL.32406	PL.32389	C	#4 ACSR	7.16Y	119.3	0.01	5.71	6.31	5	43	13	96	0.00	0.0	11.764	0.031	7	2	1	8
PL.32300	PL.32406	C	#1/0 ACSR	7.16Y	119.3	0.01	5.72	4.53	2	31	9	96	0.00	0.0	11.874	0.110	0	0	0	6
PL.31681	PL.32300	C	#1/0 ACSR	7.16Y	119.3	0.01	5.73	4.53	2	31	9	96	0.00	0.0	11.965	0.091	0	0	1	6
PL.31682	PL.31681	C	#1/0 ACSR	7.16Y	119.3	0.00	5.74	4.52	2	31	9	96	0.00	0.0	12.002	0.037	0	0	0	5
PL.32301	PL.31682	C	#1/0 ACSR	7.15Y	119.2	0.01	5.75	4.52	2	31	9	96	0.00	0.0	12.140	0.139	0	0	0	5
PL.32390	PL.32301	C	#1/0 ACSR	7.15Y	119.2	0.01	5.76	4.52	2	31	9	96	0.00	0.0	12.236	0.095	0	0	0	5
PL.32302	PL.32390	C	#1/0 ACSR	7.15Y	119.2	0.01	5.77	4.52	2	31	9	96	0.00	0.0	12.300	0.064	0	0	0	5
PL.31430	PL.32302	C	#4 ACSR	7.15Y	119.2	0.00	5.77	0.59	0	4	1	97	0.00	0.0	12.304	0.005	0	0	0	1
PD.4460	PL.31430	C	12T	7.15Y	119.2	0.00	5.77	0.59	0	4	1	97	0.00	0.0	12.304	0.005	0	0	0	1
PL.31431	PD.4460	C	#4 ACSR	7.15Y	119.2	0.00	5.77	0.59	0	4	1	97	0.00	0.0	12.423	0.119	0	0	0	1
PL.32303	PL.31431	C	#4 ACSR	7.15Y	119.2	0.00	5.77	0.59	0	4	1	97	0.00	0.0	12.513	0.090	0	0	0	1
PL.32391	PL.32303	C	#4 ACSR	7.15Y	119.2	0.00	5.78	0.59	0	4	1	97	0.00	0.0	12.630	0.117	4	1	1	1
PL.32552	PL.32302	C	#4 ACSR	7.15Y	119.2	0.00	5.77	3.94	3	27	8	96	0.00	0.0	12.304	0.005	0	0	0	4
PD.4426	PL.32552	C	12T	7.15Y	119.2	0.00	5.77	3.94	0	27	8	96	0.00	0.0	12.304	0.005	0	0	0	4
PL.32553	PD.4426	C	#4 ACSR	7.15Y	119.2	0.03	5.80	3.94	3	27	8	96	0.01	0.0	12.476	0.172	0	0	0	4
PL.32392	PL.32553	C	#4 ACSR	7.15Y	119.2	0.02	5.82	3.94	3	27	8	96	0.00	0.0	12.570	0.094	0	0	0	4
PL.32393	PL.32392	C	#4 ACSR	7.15Y	119.2	0.01	5.83	3.94	3	27	8	96	0.00	0.0	12.653	0.082	11	3	1	4
PL.32304	PL.32393	C	#4 ACSR	7.15Y	119.2	0.01	5.84	2.31	2	16	5	95	0.00	0.0	12.768	0.115	0	0	0	3
PL.31676	PL.32304	C	#4 ACSR	7.15Y	119.2	0.01	5.85	2.31	2	16	5	95	0.00	0.0	12.860	0.093	9	3	1	3
PL.31677	PL.31676	C	#4 ACSR	7.15Y	119.1	0.01	5.85	1.02	1	7	2	96	0.00	0.0	12.975	0.115	0	0	0	2
PL.32394	PL.31677	C	#4 ACSR	7.15Y	119.1	0.00	5.86	1.02	1	7	2	96	0.00	0.0	13.063	0.088	0	0	0	2

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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.32395	PL.32394	C	#4 ACSR	7.15Y	119.1	0.00	5.86	1.02	1	7	2	96	0.00	0.0	13.165	0.102	7	2	2	2
PL.32407	PL.32406	C	#4 ACSR	7.16Y	119.3	0.00	5.71	0.76	1	5	2	93	0.00	0.0	11.782	0.018	5	2	1	1
PL.32337	PL.31655	C	6 A (CWC)	7.18Y	119.7	0.01	5.30	10.29	7	71	21	96	0.01	0.0	10.697	0.031	0	0	0	16
PL.31432	PL.32337	C	6 A (CWC)	7.18Y	119.7	0.00	5.30	10.29	7	71	21	96	0.00	0.0	10.702	0.005	0	0	0	16
PD.4462-A	PL.31432	C	Closed	7.18Y	119.7	0.00	5.30	10.29	0	71	21	96	0.00	0.0	10.702	0.005	0	0	0	16
PD.4462-B	PD.4462-A	C	Closed	7.18Y	119.7	0.00	5.30	10.29	0	71	21	96	0.00	0.0	10.702	0.005	0	0	0	16
PL.31433	PD.4462-B	C	6 A (CWC)	7.18Y	119.7	0.02	5.32	10.29	7	71	21	96	0.01	0.0	10.744	0.041	6	2	1	16
PL.31657	PL.31433	C	6 A (CWC)	7.18Y	119.7	0.01	5.32	3.52	3	24	7	96	0.00	0.0	10.828	0.084	19	6	4	5
PL.31659	PL.31657	C	#4 ACSR	7.18Y	119.7	0.00	5.33	0.70	1	5	1	98	0.00	0.0	10.937	0.109	5	1	1	1
PL.31658	PL.31433	C	6 A (CWC)	7.18Y	119.7	0.02	5.34	5.90	4	41	12	96	0.01	0.0	10.820	0.077	2	1	1	10
PL.32338	PL.31658	C	6 A (CWC)	7.18Y	119.7	0.00	5.34	0.00	0	0	0	100	0.00	0.0	10.866	0.046	0	0	0	0
PD.4461-A	PL.32338	C	Open	7.18Y	119.7	0.00	5.34	0.00	0	0	0	100	0.00	0.0	10.866	0.046	0	0	0	0
PL.32548	PL.31658	C	6 A (CWC)	7.18Y	119.7	0.00	5.34	5.56	4	38	11	96	0.00	0.0	10.824	0.004	0	0	0	9
PD.4424	PL.32548	C	20T	7.18Y	119.7	0.00	5.34	5.56	0	38	11	96	0.00	0.0	10.824	0.004	0	0	0	9
PL.32549	PD.4424	C	6 A (CWC)	7.18Y	119.6	0.02	5.35	5.56	4	38	11	96	0.00	0.0	10.889	0.064	0	0	0	9
PL.32339	PL.32549	C	6 A (CWC)	7.18Y	119.6	0.01	5.37	4.26	3	29	9	96	0.00	0.0	10.954	0.065	0	0	0	8
PL.31683	PL.32339	C	#4 ACSR	7.18Y	119.6	0.01	5.38	4.26	3	29	9	96	0.00	0.0	11.010	0.056	6	2	1	8
PL.31684	PL.31683	C	#4 ACSR	7.18Y	119.6	0.02	5.39	3.35	3	23	7	96	0.00	0.0	11.134	0.124	0	0	0	7
PL.32340	PL.31684	C	#4 ACSR	7.18Y	119.6	0.01	5.41	3.31	3	23	7	96	0.00	0.0	11.213	0.079	0	0	0	6
PL.31662	PL.32340	C	#4 ACSR	7.17Y	119.6	0.01	5.42	3.31	3	23	7	96	0.00	0.0	11.293	0.079	4	1	1	6
PL.31663	PL.31662	C	#4 ACSR	7.17Y	119.6	0.00	5.42	0.45	0	3	1	95	0.00	0.0	11.354	0.061	3	1	1	1
PL.31664	PL.31662	C	#4 ACSR	7.17Y	119.6	0.02	5.44	2.30	2	16	5	95	0.00	0.0	11.479	0.186	0	0	0	4
PL.31665	PL.31664	C	#4 ACSR	7.17Y	119.6	0.01	5.45	2.30	2	16	5	95	0.00	0.0	11.613	0.134	0	0	0	4
PL.31666	PL.31665	C	#4 ACSR	7.17Y	119.6	0.00	5.45	0.00	0	0	0	100	0.00	0.0	11.660	0.047	0	0	0	0
PL.31422	PL.31665	C	#4 ACSR	7.17Y	119.5	0.00	5.45	1.97	2	14	4	96	0.00	0.0	11.618	0.005	0	0	0	3
PD.4456	PL.31422	C	12T	7.17Y	119.5	0.00	5.45	1.97	0	14	4	96	0.00	0.0	11.618	0.005	0	0	0	3
PL.31423	PD.4456	C	#4 ACSR	7.17Y	119.5	0.01	5.46	1.97	2	14	4	96	0.00	0.0	11.801	0.184	3	1	1	3
PL.31667	PL.31423	C	#4 ACSR	7.17Y	119.5	0.01	5.47	1.56	1	11	3	96	0.00	0.0	11.944	0.143	6	2	1	2
PL.31668	PL.31667	C	#2 ACSR	7.17Y	119.5	0.00	5.47	0.73	0	5	1	98	0.00	0.0	12.040	0.096	5	1	1	1
PL.31424	PL.31665	C	#4 ACSR	7.17Y	119.5	0.00	5.45	0.33	0	2	1	89	0.00	0.0	11.617	0.005	0	0	0	1
PD.4457	PL.31424	C	12T	7.17Y	119.5	0.00	5.45	0.33	0	2	1	89	0.00	0.0	11.617	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: Greenhall

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.31425	PD.4457	C	#4 ACSR	7.17Y	119.5	0.00	5.45	0.33	0	2	1	89	0.00	0.0	11.791	0.173	2	1	1	1
PL.31661	PL.31684	C	#1/0 ACSR	7.18Y	119.6	0.00	5.39	0.04	0	0	0	100	0.00	0.0	11.205	0.071	0	0	1	1
PL.31660	PL.32549	C	#1/0 ACSR	7.18Y	119.6	0.00	5.36	1.30	1	9	3	95	0.00	0.0	11.062	0.173	9	3	1	1
PL.32514	PL.32438	C	#4 ACSR	7.21Y	120.1	0.00	4.90	0.41	0	3	1	95	0.00	0.0	10.327	0.005	0	0	0	1
PD.4407	PL.32514	C	20T	7.21Y	120.1	0.00	4.90	0.41	0	3	1	95	0.00	0.0	10.327	0.005	0	0	0	1
PL.32515	PD.4407	C	#4 ACSR	7.21Y	120.1	0.00	4.90	0.41	0	3	1	95	0.00	0.0	10.416	0.089	3	1	1	1
PL.32335	PL.32334	C	6 A (CWC)	7.22Y	120.4	0.00	4.60	0.09	0	1	0	100	0.00	0.0	10.157	0.097	0	0	0	1
PL.31653	PL.32335	C	#1/0 ACSR	7.22Y	120.4	0.00	4.60	0.09	0	1	0	100	0.00	0.0	10.209	0.052	1	0	1	1
PL.31651	PL.32386	C	6 A (CWC)	7.24Y	120.6	0.00	4.38	0.06	0	0	0	100	0.00	0.0	9.944	0.072	0	0	2	2
PL.32526	PL.31640	C	#1/0 ACSR	7.30Y	121.6	0.00	3.35	1.86	1	13	4	96	0.00	0.0	8.586	0.005	0	0	0	3
PD.4413	PL.32526	C	20T	7.30Y	121.6	0.00	3.35	1.86	0	13	4	96	0.00	0.0	8.586	0.005	0	0	0	3
PL.32527	PD.4413	C	#1/0 ACSR	7.30Y	121.6	0.00	3.36	1.86	1	13	4	96	0.00	0.0	8.616	0.030	3	1	1	3
PL.32456	PL.32527	C	#2 ACSR	7.30Y	121.6	0.00	3.36	1.46	1	10	3	96	0.00	0.0	8.665	0.049	5	1	1	2
PL.32457	PL.32456	C	#2 ACSR	7.30Y	121.6	0.00	3.36	0.73	0	5	1	98	0.00	0.0	8.724	0.060	5	1	1	1
PL.32530	PL.32471	A	6 A (CWC)	7.37Y	122.9	0.00	2.13	0.42	0	3	1	95	0.00	0.0	7.150	0.005	0	0	0	1
PD.4416	PL.32530	A	40T	7.37Y	122.9	0.00	2.13	0.42	0	3	1	95	0.00	0.0	7.150	0.005	0	0	0	1
PL.32531	PD.4416	A	6 A (CWC)	7.37Y	122.9	0.00	2.13	0.42	0	3	1	95	0.00	0.0	7.211	0.061	3	1	1	1
PL.31407	PL.32471	A	6 A (CWC)	7.36Y	122.7	0.21	2.34	26.24	19	186	54	96	0.29	0.2	7.320	0.175	2	1	2	59
PL.31410	PL.31407	A	6 A (CWC)	7.35Y	122.6	0.09	2.43	24.54	18	173	51	96	0.11	0.1	7.399	0.078	0	0	0	55
PL.31436	PL.31410	A	6 A (CWC)	7.35Y	122.6	0.00	2.43	24.54	18	173	51	96	0.00	0.0	7.401	0.003	0	0	0	55
PD.4464	PL.31436	A	50L	7.35Y	122.6	0.00	2.43	24.54	49	173	51	96	0.00	0.0	7.401	0.003	0	0	0	55
PL.31437	PD.4464	A	6 A (CWC)	7.35Y	122.5	0.10	2.53	24.54	18	173	51	96	0.13	0.1	7.491	0.090	7	2	1	55
PL.32448	PL.31437	A	6 A (CWC)	7.35Y	122.4	0.04	2.57	22.06	16	156	45	96	0.05	0.0	7.531	0.040	6	2	1	48
PL.32449	PL.32448	A	6 A (CWC)	7.34Y	122.4	0.03	2.60	21.16	15	149	44	96	0.04	0.0	7.566	0.035	6	2	2	47
PL.31624	PL.32449	A	6 A (CWC)	7.34Y	122.4	0.00	2.61	1.46	1	10	3	96	0.00	0.0	7.623	0.056	1	0	1	2
PL.31625	PL.31624	A	#4 ACSR	7.34Y	122.4	0.00	2.61	1.33	1	9	3	95	0.00	0.0	7.664	0.041	9	3	1	1
PL.31626	PL.32449	A	6 A (CWC)	7.34Y	122.3	0.09	2.69	18.83	13	133	39	96	0.09	0.1	7.672	0.106	8	2	2	43
PL.32325	PL.31626	A	6 A (CWC)	7.34Y	122.3	0.06	2.75	17.19	12	121	35	96	0.05	0.0	7.746	0.074	5	2	1	38
PL.31627	PL.32325	A	6 A (CWC)	7.33Y	122.2	0.08	2.83	16.41	12	116	34	96	0.07	0.1	7.849	0.103	3	1	2	37
PL.32326	PL.31627	A	6 A (CWC)	7.33Y	122.1	0.07	2.90	15.49	11	109	32	96	0.06	0.1	7.952	0.103	0	0	0	32
PL.32499	PL.32326	A	6 A (CWC)	7.32Y	122.0	0.09	2.99	15.49	11	109	32	96	0.07	0.1	8.089	0.137	9	3	1	32

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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.32500	PL.32499	A	6 A (CWC)	7.32Y	122.0	0.03	3.02	14.23	10	100	29	96	0.02	0.0	8.140	0.050	3	1	1	31
PL.32498	PL.32500	A	6 A (CWC)	7.32Y	121.9	0.04	3.06	13.79	10	97	28	96	0.03	0.0	8.204	0.064	7	2	1	30
PL.32327	PL.32498	A	6 A (CWC)	7.31Y	121.9	0.05	3.12	12.71	9	89	26	96	0.04	0.0	8.297	0.094	0	0	0	28
PL.32328	PL.32327	A	6 A (CWC)	7.31Y	121.8	0.05	3.16	11.57	8	81	24	96	0.03	0.0	8.383	0.085	0	0	0	23
PL.31632	PL.32328	A	6 A (CWC)	7.31Y	121.8	0.03	3.20	10.67	8	75	22	96	0.02	0.0	8.450	0.067	0	0	0	22
PL.32414	PL.31632	A	6 A (CWC)	7.31Y	121.8	0.00	3.20	1.55	1	11	3	96	0.00	0.0	8.466	0.016	0	0	0	6
PL.31633	PL.32414	A	6 A (CWC)	7.31Y	121.8	0.00	3.20	0.20	0	1	0	100	0.00	0.0	8.502	0.036	1	0	1	1
PL.32415	PL.32414	A	6 A (CWC)	7.31Y	121.8	0.01	3.21	1.35	1	9	3	95	0.00	0.0	8.607	0.142	1	0	2	5
PL.32440	PL.32415	A	6 A (CWC)	7.31Y	121.8	0.00	3.21	1.23	1	9	3	95	0.00	0.0	8.717	0.110	5	1	1	3
PL.32441	PL.32440	A	6 A (CWC)	7.31Y	121.8	0.00	3.21	0.58	0	4	1	97	0.00	0.0	8.829	0.112	0	0	0	2
PL.32439	PL.32441	A	6 A (CWC)	7.31Y	121.8	0.00	3.22	0.58	0	4	1	97	0.00	0.0	8.909	0.079	4	1	2	2
PL.32490	PL.31632	A	6 A (CWC)	7.31Y	121.8	0.04	3.24	9.12	7	64	19	96	0.02	0.0	8.553	0.103	7	2	2	16
PL.32491	PL.32490	A	6 A (CWC)	7.30Y	121.7	0.04	3.28	8.18	6	57	17	96	0.02	0.0	8.670	0.117	0	0	0	14
PL.32329	PL.32491	A	6 A (CWC)	7.30Y	121.7	0.03	3.31	6.98	5	49	14	96	0.01	0.0	8.756	0.086	0	0	0	12
PL.31635	PL.32329	A	#2 ACSR	7.30Y	121.7	0.00	3.31	1.60	1	11	3	96	0.00	0.0	8.785	0.029	11	3	1	1
PL.32480	PL.32329	A	6 A (CWC)	7.30Y	121.7	0.02	3.33	5.38	4	38	11	96	0.00	0.0	8.823	0.068	4	1	1	11
PL.32481	PL.32480	A	6 A (CWC)	7.30Y	121.7	0.01	3.34	4.74	3	33	10	96	0.00	0.0	8.889	0.066	0	0	0	10
PL.31636	PL.32481	A	6 A (CWC)	7.30Y	121.6	0.02	3.36	4.74	3	33	10	96	0.00	0.0	8.964	0.075	0	0	0	10
PL.31638	PL.31636	A	6 A (CWC)	7.30Y	121.6	0.00	3.36	0.00	0	0	0	100	0.00	0.0	9.052	0.088	0	0	0	0
PL.32416	PL.31636	A	6 A (CWC)	7.30Y	121.6	0.02	3.37	4.74	3	33	10	96	0.00	0.0	9.043	0.079	6	2	2	10
PL.31637	PL.32416	A	#4 ACSR	7.30Y	121.6	0.00	3.37	0.37	0	3	1	95	0.00	0.0	9.058	0.016	3	1	1	1
PL.32417	PL.32416	A	6 A (CWC)	7.30Y	121.6	0.01	3.39	3.46	2	24	7	96	0.00	0.0	9.132	0.090	0	0	0	7
PL.32482	PL.32417	A	6 A (CWC)	7.30Y	121.6	0.02	3.40	3.46	2	24	7	96	0.00	0.0	9.242	0.110	1	0	2	7
PL.32483	PL.32482	A	6 A (CWC)	7.30Y	121.6	0.01	3.41	3.38	2	24	7	96	0.00	0.0	9.318	0.076	0	0	0	5
PL.32485	PL.32483	A	6 A (CWC)	7.29Y	121.6	0.00	3.42	3.38	2	24	7	96	0.00	0.0	9.342	0.024	1	0	1	5
PL.32484	PL.32485	A	6 A (CWC)	7.29Y	121.6	0.02	3.43	3.18	2	22	6	96	0.00	0.0	9.453	0.111	0	0	0	4
PL.32487	PL.32484	A	#2 ACSR	7.29Y	121.6	0.00	3.44	1.93	1	14	4	96	0.00	0.0	9.517	0.064	7	2	1	3
PL.32486	PL.32487	A	#2 ACSR	7.29Y	121.6	0.00	3.44	0.87	0	6	2	95	0.00	0.0	9.549	0.032	6	2	2	2
PL.32488	PL.32484	A	#4 ACSR	7.29Y	121.6	0.00	3.44	1.25	1	9	3	95	0.00	0.0	9.485	0.032	9	3	1	1
PL.32489	PL.32488	A	#4 ACSR	7.29Y	121.6	0.00	3.44	0.00	0	0	0	100	0.00	0.0	9.551	0.066	0	0	0	0
PL.31634	PL.32491	A	#1/0 ACSR	7.30Y	121.7	0.00	3.28	1.20	1	8	2	97	0.00	0.0	8.714	0.045	8	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
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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.31631	PL.32328	A	#4 ACSR	7.31Y	121.8	0.00	3.17	0.90	1	6	2	95	0.00	0.0	8.436	0.053	6	2	1	1
PL.31630	PL.32327	A	6 A (CWC)	7.31Y	121.9	0.00	3.12	1.14	1	8	2	97	0.00	0.0	8.390	0.092	8	2	5	5
PL.31629	PL.32498	A	#4 ACSR	7.32Y	121.9	0.00	3.06	0.10	0	1	0	100	0.00	0.0	8.257	0.054	1	0	1	1
PL.32516	PL.31627	A	#4 ACSR	7.33Y	122.2	0.00	2.83	0.50	0	4	1	97	0.00	0.0	7.854	0.005	0	0	0	3
PD.4408	PL.32516	A	20T	7.33Y	122.2	0.00	2.83	0.50	0	4	1	97	0.00	0.0	7.854	0.005	0	0	0	3
PL.32517	PD.4408	A	#4 ACSR	7.33Y	122.2	0.00	2.83	0.50	0	4	1	97	0.00	0.0	7.911	0.057	3	1	1	3
PL.32443	PL.32517	A	#4 ACSR	7.33Y	122.2	0.00	2.83	0.03	0	0	0	100	0.00	0.0	7.981	0.070	0	0	1	2
PL.31628	PL.32443	A	#1/0 ACSR	7.33Y	122.2	0.00	2.83	0.01	0	0	0	100	0.00	0.0	8.039	0.058	0	0	1	1
PL.32446	PL.31626	A	6 A (CWC)	7.34Y	122.3	0.00	2.69	0.57	0	4	1	97	0.00	0.0	7.719	0.047	0	0	1	3
PL.32447	PL.32446	A	6 A (CWC)	7.34Y	122.3	0.00	2.69	0.50	0	4	1	97	0.00	0.0	7.741	0.022	4	1	2	2
PL.32466	PL.31437	A	6 A (CWC)	7.35Y	122.5	0.00	2.53	1.49	1	11	3	96	0.00	0.0	7.544	0.053	2	1	2	6
PL.32467	PL.32466	A	6 A (CWC)	7.35Y	122.5	0.01	2.54	1.18	1	8	2	97	0.00	0.0	7.715	0.171	0	0	0	4
PL.31411	PL.32467	A	6 A (CWC)	7.35Y	122.5	0.00	2.55	1.18	1	8	2	97	0.00	0.0	7.846	0.131	6	2	1	4
PL.32444	PL.31411	A	#4 ACSR	7.35Y	122.5	0.00	2.55	0.38	0	3	1	95	0.00	0.0	7.969	0.123	0	0	1	3
PL.32445	PL.32444	A	#4 ACSR	7.35Y	122.5	0.00	2.55	0.37	0	3	1	95	0.00	0.0	8.054	0.085	3	1	1	2
PL.32442	PL.32445	A	#4 ACSR	7.35Y	122.5	0.00	2.55	0.00	0	0	0	100	0.00	0.0	8.156	0.102	0	0	1	1
PL.31409	PL.31407	A	6 A (CWC)	7.36Y	122.7	0.00	2.34	1.40	1	10	3	96	0.00	0.0	7.364	0.044	10	3	2	2
PL.31420	PL.32503	A	#4 ACSR	7.38Y	122.9	0.00	2.05	1.09	1	8	2	97	0.00	0.0	7.026	0.005	0	0	0	2
PD.4455	PL.31420	A	40T	7.38Y	122.9	0.00	2.05	1.09	0	8	2	97	0.00	0.0	7.026	0.005	0	0	0	2
PL.31421	PD.4455	A	#4 ACSR	7.38Y	122.9	0.01	2.06	1.09	1	8	2	97	0.00	0.0	7.141	0.115	0	0	0	2
PL.31388	PL.31421	A	#4 ACSR	7.38Y	122.9	0.00	2.06	1.09	1	8	2	97	0.00	0.0	7.180	0.039	8	2	2	2
PL.32536	PL.32539	A	#4 ACSR	7.38Y	123.1	0.00	1.94	0.98	1	7	2	96	0.00	0.0	6.847	0.005	0	0	0	1
PD.4419	PL.32536	A	40T	7.38Y	123.1	0.00	1.94	0.98	0	7	2	96	0.00	0.0	6.847	0.005	0	0	0	1
PL.32537	PD.4419	A	#4 ACSR	7.38Y	123.1	0.00	1.94	0.98	1	7	2	96	0.00	0.0	6.905	0.058	7	2	1	1
PL.32540	PL.31673	A	6 A (CWC)	7.39Y	123.1	0.00	1.86	10.74	8	76	22	96	0.00	0.0	6.712	0.005	0	0	0	30
PD.4420	PL.32540	A	40T	7.39Y	123.1	0.00	1.86	10.74	0	76	22	96	0.00	0.0	6.712	0.005	0	0	0	30
PL.32541	PD.4420	A	6 A (CWC)	7.39Y	123.1	0.04	1.90	10.74	8	76	22	96	0.02	0.0	6.796	0.084	1	0	1	30
PL.31671	PL.32541	A	6 A (CWC)	7.38Y	123.0	0.06	1.96	10.56	8	75	22	96	0.03	0.0	6.917	0.121	0	0	0	29
PL.32504	PL.31671	A	#4 ACSR	7.38Y	123.0	0.00	1.96	1.17	1	8	2	97	0.00	0.0	6.949	0.032	0	0	1	3
PL.32505	PL.32504	A	#4 ACSR	7.38Y	123.0	0.00	1.96	1.13	1	8	2	97	0.00	0.0	7.021	0.073	8	2	2	2
PL.31386	PL.31671	A	6 A (CWC)	7.38Y	123.0	0.04	2.00	9.39	7	67	19	96	0.02	0.0	7.012	0.095	3	1	1	26

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

Balanced Voltage Drop Report
Source: Greenhall

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.31387	PL.31386	A	6 A (CWC)	7.38Y	123.0	0.03	2.03	8.99	6	64	19	96	0.02	0.0	7.098	0.086	4	1	1	25
PL.32418	PL.31387	A	6 A (CWC)	7.38Y	122.9	0.03	2.06	8.47	6	60	17	96	0.01	0.0	7.182	0.084	0	0	0	24
PL.32419	PL.32418	A	6 A (CWC)	7.37Y	122.9	0.03	2.10	7.94	6	56	16	96	0.01	0.0	7.272	0.091	2	1	1	22
PL.31390	PL.32419	A	6 A (CWC)	7.37Y	122.9	0.03	2.13	7.59	5	54	16	96	0.01	0.0	7.372	0.099	0	0	0	21
PL.32370	PL.31390	A	6 A (CWC)	7.37Y	122.8	0.04	2.17	7.59	5	54	16	96	0.02	0.0	7.488	0.117	0	0	0	21
PL.31669	PL.32370	A	6 A (CWC)	7.37Y	122.8	0.02	2.19	7.13	5	50	15	96	0.01	0.0	7.547	0.058	2	1	1	19
PL.31670	PL.31669	A	6 A (CWC)	7.37Y	122.8	0.02	2.21	6.80	5	48	14	96	0.01	0.0	7.605	0.058	0	0	0	18
PL.31392	PL.31670	A	6 A (CWC)	7.37Y	122.8	0.00	2.21	1.19	1	8	2	97	0.00	0.0	7.652	0.048	8	2	3	3
PL.32423	PL.31670	A	6 A (CWC)	7.37Y	122.8	0.03	2.24	5.62	4	40	12	96	0.01	0.0	7.718	0.114	3	1	1	15
PL.32421	PL.32423	A	6 A (CWC)	7.36Y	122.7	0.02	2.26	5.20	4	37	11	96	0.01	0.0	7.814	0.096	4	1	1	14
PL.32422	PL.32421	A	6 A (CWC)	7.36Y	122.7	0.02	2.27	4.67	3	33	10	96	0.00	0.0	7.888	0.074	0	0	0	13
PL.32420	PL.32422	A	6 A (CWC)	7.36Y	122.7	0.03	2.31	4.67	3	33	10	96	0.01	0.0	8.046	0.158	0	0	0	13
PL.31395	PL.32420	A	#2 ACSR	7.36Y	122.7	0.00	2.31	0.98	1	7	2	96	0.00	0.0	8.098	0.052	7	2	1	1
PL.32320	PL.32420	A	6 A (CWC)	7.36Y	122.7	0.02	2.32	3.70	3	26	8	96	0.00	0.0	8.148	0.102	0	0	0	12
PL.31396	PL.32320	A	6 A (CWC)	7.36Y	122.7	0.01	2.33	3.70	3	26	8	96	0.00	0.0	8.220	0.072	6	2	1	12
PL.32321	PL.31396	A	6 A (CWC)	7.36Y	122.6	0.02	2.35	2.23	2	16	5	95	0.00	0.0	8.369	0.149	0	0	0	9
PL.32373	PL.32321	A	6 A (CWC)	7.36Y	122.6	0.02	2.37	2.23	2	16	5	95	0.00	0.0	8.598	0.229	0	0	0	9
PL.32404	PL.32373	A	6 A (CWC)	7.36Y	122.6	0.01	2.38	2.23	2	16	5	95	0.00	0.0	8.677	0.079	0	0	0	9
PL.32374	PL.32404	A	6 A (CWC)	7.36Y	122.6	0.01	2.39	2.23	2	16	5	95	0.00	0.0	8.784	0.108	0	0	0	9
PL.32405	PL.32374	A	6 A (CWC)	7.36Y	122.6	0.01	2.40	2.23	2	16	5	95	0.00	0.0	8.879	0.095	0	0	0	9
PL.32492	PL.32405	A	6 A (CWC)	7.36Y	122.6	0.00	2.40	1.97	1	14	4	96	0.00	0.0	8.897	0.018	3	1	1	8
PL.32493	PL.32492	A	6 A (CWC)	7.36Y	122.6	0.01	2.41	1.54	1	11	3	96	0.00	0.0	8.980	0.083	0	0	0	7
PL.31400	PL.32493	A	#4 ACSR	7.36Y	122.6	0.00	2.41	0.32	0	2	1	89	0.00	0.0	9.102	0.123	2	1	1	1
PL.32322	PL.32493	A	6 A (CWC)	7.36Y	122.6	0.00	2.41	1.22	1	9	2	98	0.00	0.0	9.046	0.067	0	0	0	6
PL.32494	PL.32322	A	6 A (CWC)	7.35Y	122.6	0.00	2.42	1.22	1	9	2	98	0.00	0.0	9.137	0.091	3	1	1	6
PL.32495	PL.32494	A	6 A (CWC)	7.35Y	122.6	0.01	2.42	0.76	1	5	2	93	0.00	0.0	9.292	0.156	0	0	0	5
PL.31401	PL.32495	A	#4 ACSR	7.35Y	122.6	0.00	2.42	0.00	0	0	0	100	0.00	0.0	9.353	0.061	0	0	2	2
PL.32323	PL.32495	A	6 A (CWC)	7.35Y	122.6	0.00	2.42	0.76	1	5	2	93	0.00	0.0	9.333	0.040	0	0	0	3
PL.31402	PL.32323	A	#4 ACSR	7.35Y	122.6	0.00	2.43	0.76	1	5	2	93	0.00	0.0	9.430	0.097	0	0	0	3
PL.31403	PL.31402	A	#4 ACSR	7.35Y	122.6	0.00	2.43	0.76	1	5	2	93	0.00	0.0	9.518	0.088	0	0	0	3
PL.32324	PL.31403	A	#4 ACSR	7.35Y	122.6	0.00	2.43	0.04	0	0	0	100	0.00	0.0	9.563	0.045	0	0	1	1

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Balanced Voltage Drop Report
Source: Greenhall

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.32496	PL.31403	A	#2 ACSR	7.35Y	122.6	0.00	2.43	0.72	0	5	1	98	0.00	0.0	9.565	0.047	3	1	1	2
PL.32497	PL.32496	A	#2 ACSR	7.35Y	122.6	0.00	2.43	0.35	0	2	1	89	0.00	0.0	9.753	0.188	2	1	1	1
PL.31399	PL.32405	A	6 A (CWC)	7.36Y	122.6	0.00	2.40	0.26	0	2	1	89	0.00	0.0	8.936	0.057	2	1	1	1
PL.31397	PL.31396	A	6 A (CWC)	7.36Y	122.7	0.00	2.34	0.61	0	4	1	97	0.00	0.0	8.307	0.088	3	1	1	2
PL.31398	PL.31397	A	#2 ACSR	7.36Y	122.7	0.00	2.34	0.17	0	1	0	100	0.00	0.0	8.400	0.093	1	0	1	1
PL.31391	PL.32370	A	6 A (CWC)	7.37Y	122.8	0.00	2.17	0.46	0	3	1	95	0.00	0.0	7.609	0.120	3	1	2	2
PL.31389	PL.32418	A	#4 ACSR	7.38Y	122.9	0.00	2.06	0.53	0	4	1	97	0.00	0.0	7.210	0.028	4	1	2	2
PL.32604	PL.31383	A	6 A (CWC)	7.40Y	123.3	0.00	1.74	1.19	1	8	2	97	0.00	0.0	6.561	0.005	0	0	0	3
PD.4453	PL.32604	A	40T	7.40Y	123.3	0.00	1.74	1.19	0	8	2	97	0.00	0.0	6.561	0.005	0	0	0	3
PL.32605	PD.4453	A	6 A (CWC)	7.40Y	123.3	0.00	1.74	1.19	1	8	2	97	0.00	0.0	6.631	0.070	7	2	1	3
PL.31385	PL.32605	A	#2 ACSR	7.40Y	123.3	0.00	1.74	0.23	0	2	0	100	0.00	0.0	6.664	0.033	2	0	2	2
PL.32558	PL.31713	C	#4 ACSR	7.40Y	123.3	0.00	1.73	1.53	1	11	3	96	0.00	0.0	5.514	0.005	0	0	0	3
PD.4430	PL.32558	C	40T	7.40Y	123.3	0.00	1.73	1.53	0	11	3	96	0.00	0.0	5.514	0.005	0	0	0	3
PL.32559	PD.4430	C	#4 ACSR	7.40Y	123.3	0.00	1.73	1.53	1	11	3	96	0.00	0.0	5.529	0.016	0	0	1	3
PL.31707	PL.32559	C	#4 ACSR	7.40Y	123.3	0.00	1.74	1.50	1	11	3	96	0.00	0.0	5.611	0.081	2	1	1	2
PL.32294	PL.31707	C	#1/0 ACSR	7.40Y	123.3	0.00	1.74	1.18	1	8	2	97	0.00	0.0	5.677	0.066	8	2	1	1
PL.32269	PL.31441	A	#1/0 ACSR	7.40Y	123.3	0.01	1.72	16.61	7	118	34	96	0.01	0.0	5.447	0.027	1	0	1	39
PL.32426	PL.32269	A	#1/0 ACSR	7.40Y	123.3	0.00	1.72	16.48	7	117	34	96	0.00	0.0	5.451	0.004	0	0	0	38
PD.4449	PL.32426	A	40T	7.40Y	123.3	0.00	1.72	16.48	0	117	34	96	0.00	0.0	5.451	0.004	0	0	0	38
PL.32270	PD.4449	A	#1/0 ACSR	7.40Y	123.3	0.00	1.72	0.49	0	3	1	95	0.00	0.0	5.516	0.065	0	0	0	1
PL.32292	PL.32270	A	#2 ACSR	7.40Y	123.3	0.00	1.72	0.49	0	3	1	95	0.00	0.0	5.599	0.084	3	1	1	1
PL.31698	PD.4449	A	#1/0 ACSR	7.40Y	123.3	0.01	1.73	15.99	7	114	33	96	0.01	0.0	5.488	0.037	3	1	1	37
PL.31699	PL.31698	A	#1/0 ACSR	7.39Y	123.2	0.02	1.75	15.55	7	110	32	96	0.01	0.0	5.532	0.044	3	1	1	36
PL.31700	PL.31699	A	#1/0 ACSR	7.39Y	123.2	0.03	1.78	15.18	7	108	31	96	0.02	0.0	5.613	0.082	8	2	1	35
PL.32424	PL.31700	A	#1/0 ACSR	7.39Y	123.2	0.02	1.80	14.09	6	100	29	96	0.02	0.0	5.688	0.074	0	0	0	34
PL.32425	PL.32424	A	#1/0 ACSR	7.39Y	123.2	0.02	1.82	13.03	6	92	27	96	0.01	0.0	5.751	0.063	11	3	1	33
PL.31701	PL.32425	A	#1/0 ACSR	7.39Y	123.2	0.01	1.83	11.54	5	82	24	96	0.01	0.0	5.806	0.055	12	3	2	32
PL.31702	PL.31701	A	#1/0 ACSR	7.39Y	123.2	0.01	1.85	9.87	4	70	20	96	0.01	0.0	5.860	0.054	0	0	1	30
PL.31696	PL.31702	A	#1/0 ACSR	7.39Y	123.1	0.02	1.87	9.85	4	70	20	96	0.01	0.0	5.951	0.091	2	1	1	29
PL.31697	PL.31696	A	#1/0 ACSR	7.39Y	123.1	0.02	1.89	9.51	4	67	20	96	0.01	0.0	6.042	0.091	0	0	1	28
PL.31705	PL.31697	A	#1/0 ACSR	7.38Y	123.1	0.03	1.92	9.50	4	67	20	96	0.01	0.0	6.190	0.148	0	0	0	27

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Balanced Voltage Drop Report
Source: Greenhall

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.31706	PL.31705	A	#1/0 ACSR	7.38Y	123.1	0.02	1.94	9.50	4	67	20	96	0.01	0.0	6.260	0.070	0	0	0	27
PL.32273	PL.31706	A	#1/0 ACSR	7.38Y	123.0	0.03	1.97	8.12	4	58	17	96	0.01	0.0	6.434	0.174	1	0	1	25
PL.32276	PL.32273	A	#1/0 ACSR	7.38Y	123.0	0.03	1.99	7.21	3	51	15	96	0.01	0.0	6.586	0.152	0	0	0	22
PL.32360	PL.32276	A	#1/0 ACSR	7.38Y	123.0	0.01	2.01	7.21	3	51	15	96	0.00	0.0	6.670	0.083	0	0	0	22
PL.32556	PL.32360	A	#1/0 ACSR	7.38Y	123.0	0.00	2.01	0.64	0	5	1	98	0.00	0.0	6.674	0.005	0	0	0	2
PD.4428	PL.32556	A	25T	7.38Y	123.0	0.00	2.01	0.64	0	5	1	98	0.00	0.0	6.674	0.005	0	0	0	2
PL.32557	PD.4428	A	#1/0 ACSR	7.38Y	123.0	0.00	2.01	0.64	0	5	1	98	0.00	0.0	6.765	0.091	2	1	1	2
PL.32278	PL.32557	A	#1/0 ACSR	7.38Y	123.0	0.00	2.01	0.32	0	2	1	89	0.00	0.0	6.821	0.056	2	1	1	1
PL.32316	PL.32360	A	#1/0 ACSR	7.38Y	123.0	0.01	2.02	6.58	3	47	14	96	0.00	0.0	6.758	0.088	0	0	0	20
PL.31703	PL.32316	A	#1/0 ACSR	7.38Y	123.0	0.01	2.03	6.58	3	47	14	96	0.00	0.0	6.830	0.072	3	1	1	20
PL.31704	PL.31703	A	#1/0 ACSR	7.38Y	123.0	0.01	2.04	6.20	3	44	13	96	0.00	0.0	6.911	0.081	10	3	1	19
PL.32277	PL.31704	A	#1/0 ACSR	7.38Y	123.0	0.00	2.04	0.17	0	1	0	100	0.00	0.0	6.968	0.057	1	0	1	1
PL.32413	PL.31704	A	#1/0 ACSR	7.38Y	122.9	0.01	2.05	4.61	2	33	9	96	0.00	0.0	7.006	0.095	0	0	0	17
PL.32598	PL.32413	A	6 A (CWC)	7.38Y	122.9	0.00	2.06	4.61	3	33	9	96	0.00	0.0	7.011	0.005	0	0	0	17
PD.4450	PL.32598	A	20T	7.38Y	122.9	0.00	2.06	4.61	0	33	9	96	0.00	0.0	7.011	0.005	0	0	0	17
PL.32599	PD.4450	A	6 A (CWC)	7.37Y	122.9	0.03	2.09	4.61	3	33	9	96	0.01	0.0	7.154	0.143	0	0	0	17
PL.32554	PL.32599	A	#2 ACSR	7.37Y	122.9	0.00	2.09	2.02	1	14	4	96	0.00	0.0	7.158	0.005	0	0	0	4
PD.4427	PL.32554	A	15T	7.37Y	122.9	0.00	2.09	2.02	0	14	4	96	0.00	0.0	7.158	0.005	0	0	0	4
PL.32555	PD.4427	A	#2 ACSR	7.37Y	122.9	0.01	2.09	2.02	1	14	4	96	0.00	0.0	7.305	0.147	0	0	0	4
PL.32361	PL.32555	A	#2 ACSR	7.37Y	122.9	0.00	2.10	2.02	1	14	4	96	0.00	0.0	7.382	0.077	0	0	0	4
PL.32288	PL.32361	A	#1/0 ACSR	7.37Y	122.9	0.00	2.10	0.48	0	3	1	95	0.00	0.0	7.463	0.081	3	1	1	1
PL.32289	PL.32361	A	#2 ACSR	7.37Y	122.9	0.01	2.11	1.54	1	11	3	96	0.00	0.0	7.521	0.139	0	0	0	3
PL.32290	PL.32289	A	#2 ACSR	7.37Y	122.9	0.00	2.11	0.00	0	0	0	100	0.00	0.0	7.633	0.111	0	0	0	2
PL.31690	PL.32290	A	#2 ACSR	7.37Y	122.9	0.00	2.11	0.00	0	0	0	100	0.00	0.0	7.752	0.119	0	0	1	2
PL.31691	PL.31690	A	#2 ACSR	7.37Y	122.9	0.00	2.11	0.00	0	0	0	100	0.00	0.0	7.865	0.113	0	0	1	1
PL.32291	PL.32289	A	#2 ACSR	7.37Y	122.9	0.00	2.11	1.54	1	11	3	96	0.00	0.0	7.566	0.045	11	3	1	1
PL.32317	PL.32599	A	6 A (CWC)	7.37Y	122.9	0.01	2.10	2.59	2	18	5	96	0.00	0.0	7.250	0.097	4	1	2	13
PL.32279	PL.32317	A	6 A (CWC)	7.37Y	122.9	0.01	2.11	2.05	1	15	4	97	0.00	0.0	7.353	0.103	0	0	0	11
PL.32280	PL.32279	A	6 A (CWC)	7.37Y	122.9	0.00	2.11	0.20	0	1	0	100	0.00	0.0	7.453	0.100	0	0	0	2
PL.32362	PL.32280	A	6 A (CWC)	7.37Y	122.9	0.00	2.11	0.20	0	1	0	100	0.00	0.0	7.574	0.121	0	0	0	2
PL.31412	PL.32362	A	#4 ACSR	7.37Y	122.9	0.00	2.11	0.20	0	1	0	100	0.00	0.0	7.623	0.049	0	0	0	2

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Balanced Voltage Drop Report
Source: Greenhall

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.32363	PL.31412	A	#4 ACSR	7.37Y	122.9	0.00	2.11	0.20	0	1	0	100	0.00	0.0	7.767	0.144	0	0	0	2
PL.32364	PL.32363	A	#4 ACSR	7.37Y	122.9	0.00	2.11	0.20	0	1	0	100	0.00	0.0	7.886	0.119	0	0	0	2
PL.31687	PL.32364	A	#4 ACSR	7.37Y	122.9	0.00	2.11	0.20	0	1	0	100	0.00	0.0	8.019	0.132	0	0	0	2
PL.31693	PL.31687	A	#4 ACSR	7.37Y	122.9	0.00	2.11	0.20	0	1	0	100	0.00	0.0	8.055	0.036	0	0	1	2
PL.31692	PL.31693	A	#4 ACSR	7.37Y	122.9	0.00	2.11	0.19	0	1	0	100	0.00	0.0	8.200	0.145	1	0	1	1
PL.32318	PL.32279	A	6 A (CWC)	7.37Y	122.9	0.01	2.11	1.85	1	13	4	96	0.00	0.0	7.446	0.093	0	0	0	9
PL.32281	PL.32318	A	6 A (CWC)	7.37Y	122.9	0.00	2.11	0.26	0	2	1	89	0.00	0.0	7.506	0.060	2	1	1	1
PL.32282	PL.32318	A	6 A (CWC)	7.37Y	122.9	0.01	2.12	1.58	1	11	3	96	0.00	0.0	7.536	0.090	0	0	0	8
PL.32365	PL.32282	A	6 A (CWC)	7.37Y	122.9	0.01	2.13	1.58	1	11	3	96	0.00	0.0	7.698	0.162	0	0	0	8
PL.32283	PL.32365	A	#4 ACSR	7.37Y	122.9	0.01	2.14	1.58	1	11	3	96	0.00	0.0	7.822	0.124	0	0	0	8
PL.32366	PL.32283	A	#4 ACSR	7.37Y	122.9	0.01	2.15	1.58	1	11	3	96	0.00	0.0	7.925	0.103	0	0	0	8
PL.32284	PL.32366	A	#4 ACSR	7.37Y	122.8	0.01	2.16	1.58	1	11	3	96	0.00	0.0	8.082	0.157	0	0	0	8
PL.32409	PL.32284	A	#4 ACSR	7.37Y	122.8	0.00	2.16	0.75	1	5	2	93	0.00	0.0	8.199	0.117	0	0	0	6
PL.32286	PL.32409	A	#4 ACSR	7.37Y	122.8	0.00	2.17	0.74	1	5	2	93	0.00	0.0	8.335	0.136	0	0	0	5
PL.32367	PL.32286	A	#4 ACSR	7.37Y	122.8	0.00	2.17	0.74	1	5	2	93	0.00	0.0	8.511	0.176	2	1	4	5
PL.32287	PL.32367	A	#1/0 ACSR	7.37Y	122.8	0.00	2.17	0.42	0	3	1	95	0.00	0.0	8.556	0.045	3	1	1	1
PL.32410	PL.32409	A	#4 ACSR	7.37Y	122.8	0.00	2.16	0.01	0	0	0	100	0.00	0.0	8.260	0.061	0	0	1	1
PL.32285	PL.32284	A	#4 ACSR	7.37Y	122.8	0.00	2.16	0.84	1	6	2	95	0.00	0.0	8.134	0.052	6	2	2	2
PL.32275	PL.32273	A	#1/0 ACSR	7.38Y	123.0	0.00	1.97	0.79	0	6	2	95	0.00	0.0	6.438	0.004	0	0	0	2
PD.4429	PL.32275	A	25T	7.38Y	123.0	0.00	1.97	0.79	0	6	2	95	0.00	0.0	6.438	0.004	0	0	0	2
PL.32315	PD.4429	A	#1/0 ACSR	7.38Y	123.0	0.00	1.97	0.49	0	3	1	95	0.00	0.0	6.549	0.111	3	1	1	1
PL.32274	PD.4429	A	#1/0 ACSR	7.38Y	123.0	0.00	1.97	0.30	0	2	1	89	0.00	0.0	6.531	0.093	2	1	1	1
PL.32272	PL.31706	A	#1/0 ACSR	7.38Y	123.1	0.00	1.94	1.39	1	10	3	96	0.00	0.0	6.311	0.051	10	3	2	2
PL.32271	PL.32424	A	#1/0 ACSR	7.39Y	123.2	0.00	1.80	1.06	0	8	2	97	0.00	0.0	5.735	0.048	8	2	1	1
PL.32560	PL.32353	C	6 A (CWC)	7.41Y	123.4	0.00	1.56	3.43	2	24	7	96	0.00	0.0	4.910	0.005	0	0	0	6
PD.4431	PL.32560	C	65T	7.41Y	123.4	0.00	1.56	3.43	0	24	7	96	0.00	0.0	4.910	0.005	0	0	0	6
PL.32561	PD.4431	C	6 A (CWC)	7.41Y	123.4	0.02	1.58	3.43	2	24	7	96	0.00	0.0	5.048	0.138	0	0	0	6
PL.32265	PL.32561	C	#4 ACSR	7.41Y	123.4	0.00	1.58	0.00	0	0	0	100	0.00	0.0	5.107	0.058	0	0	0	0
PL.32313	PL.32561	C	6 A (CWC)	7.40Y	123.4	0.01	1.59	3.43	2	24	7	96	0.00	0.0	5.092	0.043	0	0	1	6
PL.32266	PL.32313	C	6 A (CWC)	7.40Y	123.4	0.01	1.60	3.43	2	24	7	96	0.00	0.0	5.147	0.055	0	0	0	5
PL.32267	PL.32266	C	6 A (CWC)	7.40Y	123.4	0.00	1.60	0.22	0	2	0	100	0.00	0.0	5.178	0.031	2	0	1	1

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Balanced Voltage Drop Report
Source: Greenhall

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.32314	PL.32266	C	6 A (CWC)	7.40Y	123.4	0.02	1.61	3.21	2	23	7	96	0.00	0.0	5.258	0.111	0	0	0	4
PL.31710	PL.32314	C	#1/0 ACSR	7.40Y	123.4	0.00	1.61	1.10	0	8	2	97	0.00	0.0	5.298	0.040	8	2	1	1
PL.31711	PL.31710	C	#1/0 ACSR	7.40Y	123.4	0.00	1.61	0.00	0	0	0	100	0.00	0.0	5.408	0.111	0	0	0	0
PL.32355	PL.31711	C	#1/0 ACSR	7.40Y	123.4	0.00	1.61	0.00	0	0	0	100	0.00	0.0	5.519	0.111	0	0	0	0
PL.32356	PL.32355	C	#1/0 ACSR	7.40Y	123.4	0.00	1.61	0.00	0	0	0	100	0.00	0.0	5.643	0.124	0	0	0	0
PL.32357	PL.32356	C	#1/0 ACSR	7.40Y	123.4	0.00	1.61	0.00	0	0	0	100	0.00	0.0	5.741	0.098	0	0	0	0
PL.32268	PL.32314	C	6 A (CWC)	7.40Y	123.4	0.02	1.63	2.12	2	15	4	97	0.00	0.0	5.440	0.183	0	0	0	3
PL.32354	PL.32268	C	6 A (CWC)	7.40Y	123.4	0.00	1.63	2.12	2	15	4	97	0.00	0.0	5.526	0.086	15	4	3	3
PL.32564	PL.32429	C	#4 ACSR	7.41Y	123.5	0.00	1.49	0.41	0	3	1	95	0.00	0.0	4.674	0.005	0	0	0	1
PD.4432	PL.32564	C	65T	7.41Y	123.5	0.00	1.49	0.41	0	3	1	95	0.00	0.0	4.674	0.005	0	0	0	1
PL.32565	PD.4432	C	#4 ACSR	7.41Y	123.5	0.00	1.49	0.41	0	3	1	95	0.00	0.0	4.696	0.022	3	1	1	1
PL.32264	PL.32431	A	#1/0 ACSR	7.41Y	123.6	0.00	1.44	1.71	1	12	4	95	0.00	0.0	4.535	0.004	0	0	0	4
PD.4433	PL.32264	A	65T	7.41Y	123.6	0.00	1.44	1.71	0	12	4	95	0.00	0.0	4.535	0.004	0	0	0	4
PL.32312	PD.4433	A	#1/0 ACSR	7.41Y	123.6	0.00	1.45	0.76	0	5	2	93	0.00	0.0	4.578	0.043	5	2	1	1
PL.32263	PD.4433	A	#1/0 ACSR	7.41Y	123.6	0.00	1.45	0.95	0	7	2	96	0.00	0.0	4.579	0.044	7	2	3	3
PL.32596	PL.32349	A	#2 ACSR	7.42Y	123.6	0.00	1.37	0.76	0	5	2	93	0.00	0.0	4.293	0.005	0	0	0	1
PD.4448	PL.32596	A	65T	7.42Y	123.6	0.00	1.37	0.76	0	5	2	93	0.00	0.0	4.293	0.005	0	0	0	1
PL.32597	PD.4448	A	#2 ACSR	7.42Y	123.6	0.00	1.37	0.76	0	5	2	93	0.00	0.0	4.378	0.086	0	0	0	1
PL.32350	PL.32597	A	#2 ACSR	7.42Y	123.6	0.00	1.37	0.76	0	5	2	93	0.00	0.0	4.495	0.116	5	2	1	1
PL.32570	PL.32238	B	#1/0 ACSR	7.44Y	124.1	0.00	0.94	0.00	0	0	0	100	0.00	0.0	2.928	0.005	0	0	0	0
PD.4436	PL.32570	B	65T	7.44Y	124.1	0.00	0.94	0.00	0	0	0	100	0.00	0.0	2.928	0.005	0	0	0	0
PL.32571	PD.4436	B	#1/0 ACSR	7.44Y	124.1	0.00	0.94	0.00	0	0	0	100	0.00	0.0	2.962	0.033	0	0	0	0
PL.32227	PL.32225	A	#1/0 ACSR	7.46Y	124.3	0.00	0.68	2.06	1	15	4	97	0.00	0.0	2.127	0.022	0	0	0	3
PL.32578	PL.32227	A	6 A (CWC)	7.46Y	124.3	0.00	0.68	2.06	1	15	4	97	0.00	0.0	2.132	0.005	0	0	0	3
PD.4439	PL.32578	A	65T	7.46Y	124.3	0.00	0.68	2.06	0	15	4	97	0.00	0.0	2.132	0.005	0	0	0	3
PL.32579	PD.4439	A	6 A (CWC)	7.46Y	124.3	0.01	0.69	2.06	1	15	4	97	0.00	0.0	2.298	0.166	8	2	1	3
PL.32506	PL.32579	A	6 A (CWC)	7.46Y	124.3	0.00	0.69	0.93	1	7	2	96	0.00	0.0	2.476	0.178	7	2	2	2
PL.32580	PL.32215	A	6 A (CWC)	7.47Y	124.5	0.00	0.48	0.28	0	2	1	89	0.00	0.0	1.502	0.005	0	0	0	1
PD.4440	PL.32580	A	65T	7.47Y	124.5	0.00	0.48	0.28	0	2	1	89	0.00	0.0	1.502	0.005	0	0	0	1
PL.32581	PD.4440	A	6 A (CWC)	7.47Y	124.5	0.00	0.48	0.28	0	2	1	89	0.00	0.0	1.541	0.040	2	1	1	1
PL.32582	PL.32210	A	6 A (CWC)	7.48Y	124.6	0.00	0.40	2.61	2	19	5	97	0.00	0.0	1.287	0.005	0	0	0	7

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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
PD.4441	PL.32582	A	65T	7.48Y	124.6	0.00	0.40	2.61	0	19	5	97	0.00	0.0	1.287	0.005	0	0	0	7
PL.32583	PD.4441	A	6 A (CWC)	7.48Y	124.6	0.00	0.41	2.61	2	19	5	97	0.00	0.0	1.320	0.033	8	2	2	7
PL.32507	PL.32583	A	6 A (CWC)	7.48Y	124.6	0.00	0.41	1.54	1	11	3	96	0.00	0.0	1.366	0.046	9	3	2	5
PL.32212	PL.32507	A	6 A (CWC)	7.48Y	124.6	0.00	0.41	0.28	0	2	1	89	0.00	0.0	1.521	0.155	0	0	0	3
PL.32508	PL.32212	A	#4 ACSR	7.48Y	124.6	0.00	0.41	0.28	0	2	1	89	0.00	0.0	1.678	0.157	0	0	1	3
PL.32509	PL.32508	A	#4 ACSR	7.48Y	124.6	0.00	0.41	0.26	0	2	1	89	0.00	0.0	1.792	0.114	2	1	2	2
PL.32592	PL.32308	A	#4 ACSR	7.49Y	124.8	0.00	0.23	0.21	0	2	0	100	0.00	0.0	0.776	0.003	0	0	0	1
PD.4446	PL.32592	A	65T	7.49Y	124.8	0.00	0.23	0.21	0	2	0	100	0.00	0.0	0.776	0.003	0	0	0	1
PL.32593	PD.4446	A	#4 ACSR	7.49Y	124.8	0.00	0.23	0.21	0	2	0	100	0.00	0.0	0.863	0.087	2	0	1	1
PL.32590	PL.32308	B	#4 ACSR	7.49Y	124.8	0.00	0.23	0.02	0	0	0	100	0.00	0.0	0.777	0.005	0	0	0	1
PD.4445	PL.32590	B	65T	7.49Y	124.8	0.00	0.23	0.02	0	0	0	100	0.00	0.0	0.777	0.005	0	0	0	1
PL.32591	PD.4445	B	#4 ACSR	7.49Y	124.8	0.00	0.23	0.02	0	0	0	100	0.00	0.0	0.818	0.041	0	0	1	1
PL.32588	PL.32306	C	#4 ACSR	7.49Y	124.9	0.00	0.11	0.15	0	1	0	100	0.00	0.0	0.433	0.005	0	0	0	2
PD.4444	PL.32588	C	65T	7.49Y	124.9	0.00	0.11	0.15	0	1	0	100	0.00	0.0	0.433	0.005	0	0	0	2
PL.32589	PD.4444	C	#4 ACSR	7.49Y	124.9	0.00	0.11	0.15	0	1	0	100	0.00	0.0	0.497	0.064	1	0	2	2
PL.32584	PL.32511	A	#2 ACSR	7.49Y	124.9	0.00	0.09	0.82	0	6	2	95	0.00	0.0	0.424	0.061	0	0	0	1
PD.4442	PL.32584	A	65T	7.49Y	124.9	0.00	0.09	0.82	0	6	2	95	0.00	0.0	0.424	0.061	0	0	0	1
PL.32585	PD.4442	A	#2 ACSR	7.49Y	124.9	0.00	0.09	0.82	0	6	2	95	0.00	0.0	0.499	0.075	6	2	1	1

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	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	4329	0	0	0	0	0	240	0.00	4569
KVAR	1261	0	0	-2	0	0	245		1504

Lowest Voltage = 115.09 on Element PL.31240
Max Accm VoltD = 9.91 on Element PL.31240
Max Elem VoltD = 0.34 on Element PL.31309