

Balanced Voltage Drop Report  
Source: Booneville

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

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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	Length (mi)	-----Element-----		Cons On	Cons Thru
Booneville		ABC	SRC-Boonev	7.50Y	125.0	0.00	0.00	549.48	0	11744	3864	95	0.00	0.0	0.000	0.000	0	0	0	1719
PL.16234	Booneville	ABC	#3/0 ACSR	7.50Y	125.0	0.01	0.01	202.57	68	4331	1420	95	0.19	0.0	0.003	0.003	0	0	0	614
PL.72520	PL.16234	ABC	#3/0 ACSR	7.50Y	125.0	0.01	0.02	202.57	68	4331	1420	95	0.20	0.0	0.006	0.003	0	0	0	614
----- Feeder No. 2 (Scoville F2) Beginning with Device PD.10796 -----																				
PD.10796	PL.72520	ABC	480VWE	7.50Y	125.0	0.00	0.02	202.57	0	4331	1419	95	0.00	0.0	0.006	0.003	0	0	0	614
PL.72521	PD.10796	ABC	#3/0 ACSR	7.50Y	125.0	0.02	0.03	202.57	68	4331	1419	95	0.39	0.0	0.011	0.006	0	0	0	614
PL.15457	PL.72521	ABC	#3/0 ACSR	7.50Y	124.9	0.04	0.07	202.57	68	4330	1419	95	1.12	0.0	0.028	0.016	0	0	0	614
PL.15093	PL.15457	ABC	#4 ACSR	7.50Y	124.9	0.00	0.07	1.23	1	25	12	90	0.00	0.0	0.037	0.010	25	12	1	1
PL.15722	PL.15457	ABC	#3/0 ACSR	7.49Y	124.8	0.08	0.15	201.35	67	4304	1405	95	2.00	0.0	0.057	0.029	0	0	0	613
PL.15242	PL.15722	ABC	#3/0 ACSR	7.49Y	124.8	0.01	0.16	201.35	67	4302	1402	95	0.29	0.0	0.061	0.004	0	0	0	613
PL.15243	PL.15242	ABC	#1/0 ACSR	7.49Y	124.8	0.00	0.16	5.45	2	114	44	93	0.00	0.0	0.066	0.005	0	0	0	7
PD.2434	PL.15243	ABC	65T	7.49Y	124.8	0.00	0.16	5.45	0	114	44	93	0.00	0.0	0.066	0.005	0	0	0	7
PL.15244	PD.2434	ABC	#1/0 ACSR	7.49Y	124.8	0.02	0.18	5.45	2	114	44	93	0.01	0.0	0.240	0.174	18	5	3	7
PL.15543	PL.15244	ABC	#1/0 ACSR	7.49Y	124.8	0.00	0.18	4.62	2	96	39	93	0.00	0.0	0.292	0.052	0	0	0	4
PL.15095	PL.15543	ABC	350 MCM AL	7.49Y	124.8	0.00	0.18	3.25	1	66	31	91	0.00	0.0	0.294	0.002	0	0	0	3
PD.2427	PL.15095	ABC	40T	7.49Y	124.8	0.00	0.18	3.25	0	66	31	91	0.00	0.0	0.294	0.002	0	0	0	3
PL.15488	PD.2427	ABC	350 MCM AL	7.49Y	124.8	0.00	0.18	3.25	1	66	31	91	0.00	0.0	0.295	0.002	28	13	2	3
PL.15208	PL.15488	ABC	350 MCM AL	7.49Y	124.8	0.00	0.18	1.88	1	38	18	90	0.00	0.0	0.352	0.057	38	19	1	1
PL.15094	PL.15543	C	#1/0 ACSR	7.49Y	124.8	0.00	0.18	4.14	2	30	8	97	0.00	0.0	0.306	0.014	30	8	1	1
PL.15458	PL.15242	ABC	#3/0 ACSR	7.48Y	124.7	0.16	0.32	195.91	65	4188	1358	95	4.06	0.1	0.124	0.063	0	0	0	606
PL.15102	PL.15458	ABC	#3/0 ACSR	7.46Y	124.3	0.33	0.65	195.91	65	4184	1352	95	8.34	0.2	0.254	0.129	0	0	0	606
PL.15459	PL.15102	ABC	#3/0 ACSR	7.44Y	124.0	0.33	0.99	195.91	65	4175	1340	95	8.42	0.2	0.384	0.131	0	0	0	606
PL.15495	PL.15459	ABC	#3/0 ACSR	7.43Y	123.8	0.24	1.23	195.91	65	4167	1328	95	6.19	0.1	0.480	0.096	0	0	0	606
PL.15692	PL.15495	A	#2 ACSR	7.43Y	123.8	0.00	1.23	21.49	12	154	41	97	0.00	0.0	0.485	0.005	0	0	0	15
PD.2414	PL.15692	A	65T	7.43Y	123.8	0.00	1.23	21.49	0	154	41	97	0.00	0.0	0.485	0.005	0	0	0	15
PL.15693	PD.2414	A	#2 ACSR	7.42Y	123.7	0.02	1.26	21.49	12	154	41	97	0.02	0.0	0.520	0.035	9	3	1	15
PL.15603	PL.15693	A	#2 ACSR	7.42Y	123.7	0.02	1.28	20.19	12	145	39	97	0.02	0.0	0.553	0.033	2	1	1	14
PL.15604	PL.15603	A	#2 ACSR	7.42Y	123.7	0.04	1.31	19.89	11	143	38	97	0.04	0.0	0.611	0.059	11	3	1	13
PL.15104	PL.15604	A	#2 ACSR	7.42Y	123.7	0.00	1.31	0.06	0	0	0	100	0.00	0.0	0.648	0.037	0	0	1	1
PL.15605	PL.15604	A	#2 ACSR	7.42Y	123.7	0.01	1.32	18.36	10	132	35	97	0.01	0.0	0.631	0.020	67	18	2	11

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

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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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.15606	PL.15605	A	#2 ACSR	7.42Y	123.7	0.01	1.33	9.02	5	65	17	97	0.00	0.0	0.666	0.035	0	0	0	9
PL.15105	PL.15606	A	#1/0 ACSR	7.42Y	123.7	0.00	1.33	3.90	2	28	8	96	0.00	0.0	0.681	0.014	28	8	2	2
PL.15106	PL.15606	A	#2 ACSR	7.42Y	123.7	0.01	1.34	5.11	3	37	10	97	0.00	0.0	0.728	0.062	5	1	2	7
PL.15607	PL.15106	A	6 A (CWC)	7.42Y	123.7	0.01	1.35	4.43	3	32	9	96	0.00	0.0	0.768	0.040	2	1	1	5
PL.15608	PL.15607	A	6 A (CWC)	7.42Y	123.6	0.00	1.35	4.14	3	30	8	97	0.00	0.0	0.801	0.033	21	6	1	4
PL.15609	PL.15608	A	6 A (CWC)	7.42Y	123.6	0.00	1.35	1.20	1	9	2	98	0.00	0.0	0.824	0.023	1	0	2	3
PL.15107	PL.15609	A	6 A (CWC)	7.42Y	123.6	0.00	1.35	1.10	1	8	2	97	0.00	0.0	0.868	0.045	8	2	1	1
PL.15108	PL.15609	A	#4 ACSR	7.42Y	123.6	0.00	1.35	0.00	0	0	0	100	0.00	0.0	0.936	0.112	0	0	0	0
PL.15601	PL.15495	ABC	#3/0 ACSR	7.42Y	123.6	0.14	1.37	188.76	63	4007	1277	95	3.50	0.1	0.539	0.059	13	3	2	591
PL.15602	PL.15601	ABC	#3/0 ACSR	7.41Y	123.5	0.14	1.52	188.17	63	3990	1269	95	3.42	0.1	0.596	0.057	0	0	0	589
PL.15712	PL.15602	ABC	#3/0 ACSR	7.40Y	123.3	0.18	1.70	188.17	63	3987	1264	95	4.40	0.1	0.670	0.074	0	0	0	589
PL.15713	PL.15712	ABC	#3/0 ACSR	7.40Y	123.3	0.01	1.71	188.17	63	3982	1257	95	0.23	0.0	0.674	0.004	0	0	0	589
PL.15103	PL.15713	ABC	#3/0 ACSR	7.38Y	123.1	0.21	1.92	187.95	63	3978	1256	95	5.17	0.1	0.761	0.087	0	0	0	588
PL.15097	PL.15103	ABC	#1/0 ACSR	7.38Y	123.1	0.00	1.92	3.45	1	69	33	90	0.00	0.0	0.773	0.012	69	33	3	3
PL.15210	PL.15103	ABC	336 MCM AC	7.38Y	123.0	0.08	2.00	184.54	36	3904	1215	95	1.59	0.0	0.817	0.055	0	0	0	585
PL.15211	PL.15210	ABC	336 MCM AC	7.37Y	122.9	0.11	2.11	182.08	35	3849	1197	95	2.27	0.1	0.898	0.081	0	0	0	580
PL.15461	PL.15211	ABC	336 MCM AC	7.37Y	122.9	0.00	2.11	6.52	1	130	63	90	0.00	0.0	0.916	0.018	0	0	0	1
PL.15101	PL.15461	ABC	350 MCM AL	7.37Y	122.9	0.00	2.11	6.52	2	130	63	90	0.00	0.0	0.917	0.001	0	0	0	1
PD.2428	PL.15101	ABC	65T	7.37Y	122.9	0.00	2.11	6.52	0	130	63	90	0.00	0.0	0.917	0.001	0	0	0	1
PL.15489	PD.2428	ABC	350 MCM AL	7.37Y	122.9	0.00	2.11	6.52	2	130	63	90	0.00	0.0	0.918	0.001	130	63	1	1
PL.15212	PL.15211	ABC	336 MCM AC	7.37Y	122.9	0.00	2.11	9.50	2	203	54	97	0.00	0.0	0.910	0.012	44	12	7	31
PL.15640	PL.15212	C	#1/0 ACSR	7.37Y	122.9	0.00	2.11	4.11	2	29	8	96	0.00	0.0	0.914	0.005	0	0	0	4
PD.2387	PL.15640	C	65T	7.37Y	122.9	0.00	2.11	4.11	0	29	8	96	0.00	0.0	0.914	0.005	0	0	0	4
PL.15641	PD.2387	C	#1/0 ACSR	7.37Y	122.9	0.00	2.11	4.11	2	29	8	96	0.00	0.0	0.931	0.017	29	8	4	4
PL.15213	PL.15212	ABC	336 MCM AC	7.37Y	122.9	0.00	2.11	6.07	1	130	35	97	0.00	0.0	0.935	0.025	72	19	12	20
PL.15638	PL.15213	B	6 A (CWC)	7.37Y	122.9	0.00	2.11	8.13	6	58	16	96	0.00	0.0	0.939	0.005	0	0	0	8
PD.2386	PL.15638	B	65T	7.37Y	122.9	0.00	2.11	8.13	0	58	16	96	0.00	0.0	0.939	0.005	0	0	0	8
PL.15639	PD.2386	B	6 A (CWC)	7.37Y	122.9	0.01	2.12	8.13	6	58	16	96	0.00	0.0	0.969	0.029	30	8	5	8
PL.15536	PL.15639	B	6 A (CWC)	7.37Y	122.9	0.00	2.13	3.97	3	28	8	96	0.00	0.0	1.007	0.038	28	8	3	3
PL.15541	PL.15211	ABC	336 MCM AC	7.37Y	122.8	0.04	2.15	166.14	32	3514	1074	96	0.79	0.0	0.932	0.034	0	0	2	548
PL.15542	PL.15541	ABC	336 MCM AC	7.37Y	122.8	0.02	2.17	166.11	32	3513	1072	96	0.38	0.0	0.948	0.016	21	6	2	546

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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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.15539	PL.15542	ABC	336 MCM AC	7.37Y	122.8	0.06	2.24	165.13	32	3492	1066	96	1.10	0.0	0.996	0.048	0	0	0	544
PL.15217	PL.15539	ABC	336 MCM AC	7.36Y	122.7	0.02	2.26	165.13	32	3491	1063	96	0.35	0.0	1.012	0.015	3	1	1	544
PL.15644	PL.15217	C	#2 ACSR	7.36Y	122.7	0.00	2.26	0.65	0	5	1	98	0.00	0.0	1.016	0.005	0	0	0	1
PD.2389	PL.15644	C	65T	7.36Y	122.7	0.00	2.26	0.65	0	5	1	98	0.00	0.0	1.016	0.005	0	0	0	1
PL.15645	PD.2389	C	#2 ACSR	7.36Y	122.7	0.00	2.26	0.65	0	5	1	98	0.00	0.0	1.026	0.010	0	0	0	1
PL.15110	PL.15645	C	#4 ACSR	7.36Y	122.7	0.00	2.26	0.65	0	5	1	98	0.00	0.0	1.048	0.021	5	1	1	1
PL.15218	PL.15217	ABC	336 MCM AC	7.36Y	122.7	0.04	2.29	164.76	32	3482	1060	96	0.64	0.0	1.040	0.028	0	0	0	542
PL.15111	PL.15218	ABC	336 MCM AC	7.36Y	122.6	0.08	2.37	164.76	32	3482	1059	96	1.47	0.0	1.104	0.064	0	0	0	542
PL.15222	PL.15111	ABC	#1/0 ACSR	7.36Y	122.6	0.00	2.37	3.90	2	83	24	96	0.00	0.0	1.141	0.037	0	0	0	16
PL.15223	PL.15222	ABC	#1/0 ACSR	7.36Y	122.6	0.00	2.37	2.29	1	48	15	95	0.00	0.0	1.146	0.005	0	0	0	6
PL.15219	PL.15223	ABC	#1/0 ACSR	7.36Y	122.6	0.00	2.38	2.29	1	48	15	95	0.00	0.0	1.221	0.075	0	0	0	6
PL.15646	PL.15219	A	#1/0 ACSR	7.36Y	122.6	0.00	2.38	0.87	0	6	2	95	0.00	0.0	1.226	0.005	0	0	0	2
PD.2390	PL.15646	A	65T	7.36Y	122.6	0.00	2.38	0.87	0	6	2	95	0.00	0.0	1.226	0.005	0	0	0	2
PL.15647	PD.2390	A	#1/0 ACSR	7.36Y	122.6	0.00	2.38	0.87	0	6	2	95	0.00	0.0	1.284	0.058	6	2	2	2
PL.15215	PL.15219	ABC	6 A (CWC)	7.36Y	122.6	0.00	2.38	2.00	1	42	14	95	0.00	0.0	1.244	0.023	31	8	2	4
PL.15216	PL.15215	ABC	6 A (CWC)	7.36Y	122.6	0.00	2.38	0.57	0	11	5	91	0.00	0.0	1.245	0.001	11	5	2	2
PL.15700	PL.15222	A	#1/0 ACSR	7.36Y	122.6	0.00	2.37	1.74	1	12	3	97	0.00	0.0	1.146	0.005	0	0	0	8
PD.2419	PL.15700	A	65T	7.36Y	122.6	0.00	2.37	1.74	0	12	3	97	0.00	0.0	1.146	0.005	0	0	0	8
PL.15701	PD.2419	A	#1/0 ACSR	7.36Y	122.6	0.00	2.38	1.74	1	12	3	97	0.00	0.0	1.211	0.065	1	0	1	8
PL.15554	PL.15701	A	#1/0 ACSR	7.36Y	122.6	0.00	2.38	1.65	1	12	3	97	0.00	0.0	1.260	0.050	4	1	3	7
PL.15555	PL.15554	A	#1/0 ACSR	7.36Y	122.6	0.00	2.38	1.09	0	8	2	97	0.00	0.0	1.379	0.118	0	0	0	4
PL.15358	PL.15555	A	#2 ACSR	7.36Y	122.6	0.00	2.38	1.09	1	8	2	97	0.00	0.0	1.440	0.062	0	0	0	4
PL.15359	PL.15358	A	#2 ACSR	7.36Y	122.6	0.00	2.39	1.09	1	8	2	97	0.00	0.0	1.567	0.127	1	0	1	4
PL.15360	PL.15359	A	#2 ACSR	7.36Y	122.6	0.00	2.39	0.90	1	6	2	95	0.00	0.0	1.620	0.053	6	2	3	3
PL.15357	PL.15222	A	#1/0 ACSR	7.36Y	122.6	0.00	2.37	3.09	1	22	6	96	0.00	0.0	1.146	0.005	0	0	0	2
PD.2393	PL.15357	A	65T	7.36Y	122.6	0.00	2.37	3.09	0	22	6	96	0.00	0.0	1.146	0.005	0	0	0	2
PL.15462	PD.2393	A	#1/0 ACSR	7.36Y	122.6	0.00	2.37	1.87	1	13	4	96	0.00	0.0	1.163	0.017	13	4	1	1
PL.15220	PD.2393	A	#1/0 ACSR	7.36Y	122.6	0.00	2.37	1.23	1	9	2	98	0.00	0.0	1.152	0.006	0	0	0	1
PL.15221	PL.15220	A	#1/0 ACSR	7.36Y	122.6	0.00	2.37	1.23	1	9	2	98	0.00	0.0	1.152	0.000	0	0	0	1
PL.15356	PL.15221	A	#1/0 ACSR	7.36Y	122.6	0.00	2.37	1.23	1	9	2	98	0.00	0.0	1.174	0.022	9	2	1	1
PL.15494	PL.15111	ABC	336 MCM AC	7.36Y	122.6	0.02	2.39	117.83	23	2480	784	95	0.20	0.0	1.121	0.017	0	0	0	357

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PL.15112	PL.15494	ABC	#1/0 ACSR	7.35Y	122.5	0.10	2.49	117.83	51	2480	784	95	1.72	0.1	1.168	0.047	7	2	1	357
PL.15113	PL.15112	ABC	#1/0 ACSR	7.35Y	122.5	0.05	2.54	99.09	43	2081	666	95	0.69	0.0	1.194	0.026	0	0	0	300
PL.15493	PL.15113	ABC	#1/0 ACSR	7.33Y	122.2	0.23	2.77	94.21	41	1980	625	95	3.19	0.2	1.329	0.135	0	0	0	294
PL.15207	PL.15493	ABC	#1/0 ACSR	7.33Y	122.1	0.12	2.89	94.21	41	1977	622	95	1.62	0.1	1.398	0.069	0	0	0	294
PL.15224	PL.15207	ABC	#1/0 ACSR	7.32Y	122.0	0.06	2.95	88.75	39	1864	574	96	0.79	0.0	1.436	0.038	21	6	1	288
PL.15650	PL.15224	A	6 A (CWC)	7.32Y	122.0	0.01	2.96	30.56	22	216	58	97	0.01	0.0	1.441	0.005	0	0	0	50
PD.2392	PL.15650	A	65T	7.32Y	122.0	0.00	2.96	30.56	0	216	58	97	0.00	0.0	1.441	0.005	0	0	0	50
PL.15651	PD.2392	A	6 A (CWC)	7.32Y	122.0	0.03	2.98	30.56	22	216	58	97	0.04	0.0	1.458	0.018	0	0	0	50
PL.15546	PL.15651	A	6 A (CWC)	7.32Y	122.0	0.01	2.99	12.34	9	87	23	97	0.00	0.0	1.477	0.018	39	10	9	19
PL.15547	PL.15546	A	6 A (CWC)	7.32Y	122.0	0.01	2.99	6.83	5	48	13	97	0.00	0.0	1.496	0.020	17	4	5	10
PL.15548	PL.15547	A	6 A (CWC)	7.32Y	122.0	0.00	3.00	4.49	3	32	9	96	0.00	0.0	1.518	0.022	32	9	5	5
PL.15544	PL.15651	A	6 A (CWC)	7.32Y	122.0	0.01	3.00	18.22	13	129	35	97	0.01	0.0	1.478	0.020	37	10	10	31
PL.15545	PL.15544	A	6 A (CWC)	7.32Y	122.0	0.01	3.01	12.92	9	91	25	96	0.01	0.0	1.505	0.027	20	5	5	21
PL.15119	PL.15545	A	6 A (CWC)	7.32Y	122.0	0.02	3.03	10.09	7	71	19	97	0.01	0.0	1.546	0.041	0	0	0	16
PL.15120	PL.15119	A	6 A (CWC)	7.32Y	122.0	0.00	3.03	0.04	0	0	0	100	0.00	0.0	1.583	0.037	0	0	1	1
PL.15464	PL.15119	A	6 A (CWC)	7.32Y	122.0	0.01	3.03	8.94	6	63	17	97	0.00	0.0	1.572	0.026	63	17	14	14
PL.15121	PL.15119	A	#4 ACSR	7.32Y	122.0	0.00	3.03	1.12	1	8	2	97	0.00	0.0	1.601	0.056	8	2	1	1
PL.15718	PL.15224	ABC	#1/0 ACSR	7.32Y	122.0	0.00	2.95	5.59	2	113	47	92	0.00	0.0	1.441	0.005	0	0	0	6
PD.2432	PL.15718	ABC	65T	7.32Y	122.0	0.00	2.95	5.59	0	113	47	92	0.00	0.0	1.441	0.005	0	0	0	6
PL.15719	PD.2432	ABC	#1/0 ACSR	7.32Y	122.0	0.00	2.95	5.59	2	113	47	92	0.00	0.0	1.455	0.014	2	1	1	6
PL.15551	PL.15719	ABC	#1/0 ACSR	7.32Y	122.0	0.01	2.96	5.49	2	111	47	92	0.00	0.0	1.513	0.058	24	6	1	5
PL.15614	PL.15551	ABC	#1/0 ACSR	7.32Y	122.0	0.00	2.96	4.37	2	87	40	91	0.00	0.0	1.554	0.042	9	2	3	4
PL.15615	PL.15614	ABC	#1/0 ACSR	7.32Y	122.0	0.00	2.96	3.94	2	78	38	90	0.00	0.0	1.568	0.014	78	38	1	1
PL.15225	PL.15224	ABC	#1/0 ACSR	7.32Y	121.9	0.10	3.05	71.99	31	1513	462	96	1.05	0.1	1.512	0.076	0	0	0	231
PL.15126	PL.15225	ABC	#2 ACSR	7.32Y	121.9	0.00	3.05	11.78	7	233	113	90	0.01	0.0	1.522	0.010	0	0	0	1
PL.15127	PL.15126	ABC	1/0 AL URD	7.32Y	121.9	0.00	3.05	11.78	7	233	113	90	0.00	0.0	1.525	0.003	0	0	0	1
PD.2431	PL.15127	ABC	65T	7.32Y	121.9	0.00	3.05	11.78	0	233	113	90	0.00	0.0	1.525	0.003	0	0	0	1
PL.15490	PD.2431	ABC	1/0 AL URD	7.32Y	121.9	0.00	3.05	11.78	7	233	113	90	0.00	0.0	1.525	0.001	233	113	1	1
PL.15128	PL.15225	ABC	#1/0 ACSR	7.31Y	121.9	0.08	3.13	60.38	26	1279	348	96	0.71	0.1	1.586	0.074	24	6	2	230
PL.15129	PL.15128	ABC	#1/0 ACSR	7.31Y	121.8	0.06	3.19	57.54	25	1218	331	97	0.54	0.0	1.650	0.064	66	18	1	226
PL.15130	PL.15129	ABC	#1/0 ACSR	7.31Y	121.8	0.04	3.23	54.40	24	1151	313	96	0.30	0.0	1.688	0.038	6	1	1	225

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Balanced Voltage Drop Report  
Source: Booneville

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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.15696	PL.15130	A	#1/0 ACSR	7.31Y	121.8	0.00	3.23	11.40	5	80	22	96	0.00	0.0	1.693	0.005	0	0	0	16
PD.2416	PL.15696	A	25T	7.31Y	121.8	0.00	3.23	11.40	0	80	22	96	0.00	0.0	1.693	0.005	0	0	0	16
PL.15697	PD.2416	A	#1/0 ACSR	7.30Y	121.7	0.02	3.25	11.40	5	80	22	96	0.01	0.0	1.761	0.068	1	0	1	16
PL.15138	PL.15697	A	#2 ACSR	7.30Y	121.7	0.01	3.26	11.31	6	80	21	97	0.01	0.0	1.801	0.040	0	0	0	15
PL.15136	PL.15138	A	#2 ACSR	7.30Y	121.7	0.00	3.27	11.31	6	80	21	97	0.00	0.0	1.810	0.009	1	0	1	15
PL.15137	PL.15136	A	6 A (CWC)	7.30Y	121.7	0.04	3.30	11.18	8	79	21	97	0.02	0.0	1.879	0.069	0	0	0	14
PL.65820	PL.15137	A	6 A (CWC)	7.30Y	121.7	0.02	3.32	11.18	8	79	21	97	0.01	0.0	1.913	0.034	0	0	0	14
PL.15230	PL.65820	A	6 A (CWC)	7.30Y	121.7	0.01	3.33	2.07	1	15	4	97	0.00	0.0	1.977	0.064	3	1	1	3
PL.15142	PL.15230	A	6 A (CWC)	7.30Y	121.7	0.00	3.33	1.70	1	12	3	97	0.00	0.0	2.035	0.058	12	3	2	2
PL.15231	PL.65820	A	6 A (CWC)	7.30Y	121.7	0.02	3.34	9.12	7	64	17	97	0.01	0.0	1.961	0.048	11	3	3	11
PL.15141	PL.15231	A	6 A (CWC)	7.30Y	121.6	0.02	3.36	7.54	5	53	14	97	0.01	0.0	2.022	0.061	7	2	1	8
PL.15143	PL.15141	A	6 A (CWC)	7.30Y	121.6	0.01	3.37	6.49	5	46	12	97	0.00	0.0	2.067	0.046	11	3	1	7
PL.15144	PL.15143	A	6 A (CWC)	7.30Y	121.6	0.01	3.38	4.90	4	35	9	97	0.00	0.0	2.136	0.069	10	3	3	6
PL.15145	PL.15144	A	6 A (CWC)	7.30Y	121.6	0.01	3.39	3.47	2	24	7	96	0.00	0.0	2.182	0.046	9	2	1	3
PL.15146	PL.15145	A	#1/0 ACSR	7.30Y	121.6	0.00	3.39	1.09	0	8	2	97	0.00	0.0	2.222	0.040	8	2	1	1
PL.15147	PL.15145	A	#2 ACSR	7.30Y	121.6	0.00	3.39	1.11	1	8	2	97	0.00	0.0	2.215	0.033	8	2	1	1
PL.15131	PL.15130	ABC	#1/0 ACSR	7.30Y	121.7	0.03	3.26	49.62	22	1049	285	97	0.21	0.0	1.721	0.033	7	2	2	206
PL.15132	PL.15131	ABC	#1/0 ACSR	7.30Y	121.7	0.05	3.31	49.31	21	1043	283	97	0.34	0.0	1.773	0.052	0	0	0	204
PL.15632	PL.15132	A	#1/0 ACSR	7.30Y	121.7	0.00	3.31	1.38	1	10	3	96	0.00	0.0	1.778	0.005	0	0	0	1
PD.2383	PL.15632	A	65T	7.30Y	121.7	0.00	3.31	1.38	0	10	3	96	0.00	0.0	1.778	0.005	0	0	0	1
PL.15633	PD.2383	A	#1/0 ACSR	7.30Y	121.7	0.00	3.31	1.38	1	10	3	96	0.00	0.0	1.798	0.020	10	3	1	1
PL.15133	PL.15132	ABC	#2/0 ACSR	7.30Y	121.7	0.03	3.33	48.85	18	1033	281	96	0.18	0.0	1.809	0.036	6	2	4	203
PL.15452	PL.15133	ABC	#2/0 ACSR	7.30Y	121.7	0.01	3.34	31.55	12	668	178	97	0.05	0.0	1.831	0.022	0	0	0	139
PL.15521	PL.15452	ABC	#2/0 ACSR	7.30Y	121.6	0.01	3.36	31.55	12	667	178	97	0.05	0.0	1.857	0.026	2	1	1	139
PL.15522	PL.15521	ABC	#2/0 ACSR	7.30Y	121.6	0.03	3.39	31.43	12	665	178	97	0.13	0.0	1.925	0.068	39	11	7	138
PL.15520	PL.15522	ABC	#2/0 ACSR	7.30Y	121.6	0.01	3.40	29.57	11	625	167	97	0.05	0.0	1.951	0.026	0	0	0	131
PL.15148	PL.15520	ABC	#2/0 ACSR	7.30Y	121.6	0.01	3.41	12.93	5	273	74	97	0.01	0.0	1.987	0.035	0	0	0	35
PL.15226	PL.15148	B	6 A (CWC)	7.29Y	121.5	0.08	3.48	38.79	28	273	74	97	0.16	0.1	2.032	0.046	10	3	1	35
PL.15227	PL.15226	B	6 A (CWC)	7.29Y	121.4	0.10	3.58	34.05	24	240	64	97	0.17	0.1	2.096	0.063	16	4	2	33
PL.15161	PL.15227	B	6 A (CWC)	7.28Y	121.4	0.01	3.59	5.23	4	37	10	97	0.00	0.0	2.155	0.059	3	1	1	5
PL.15162	PL.15161	B	6 A (CWC)	7.28Y	121.4	0.01	3.60	4.74	3	33	9	96	0.00	0.0	2.210	0.055	7	2	1	4

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Balanced Voltage Drop Report  
Source: Booneville

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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.15163	PL.15162	B	6 A (CWC)	7.28Y	121.4	0.01	3.61	3.75	3	26	7	97	0.00	0.0	2.257	0.047	0	0	0	3
PL.15164	PL.15163	B	6 A (CWC)	7.28Y	121.4	0.00	3.61	3.75	3	26	7	97	0.00	0.0	2.286	0.030	26	7	3	3
PL.15160	PL.15227	B	6 A (CWC)	7.28Y	121.4	0.02	3.60	26.48	19	186	50	97	0.03	0.0	2.113	0.018	27	7	3	26
PL.15510	PL.15160	B	6 A (CWC)	7.28Y	121.4	0.03	3.63	22.70	16	160	43	97	0.04	0.0	2.145	0.032	3	1	2	23
PL.15511	PL.15510	B	6 A (CWC)	7.28Y	121.3	0.03	3.66	22.25	16	156	42	97	0.03	0.0	2.175	0.030	8	2	2	21
PL.15509	PL.15511	B	6 A (CWC)	7.28Y	121.3	0.02	3.68	21.11	15	148	40	97	0.02	0.0	2.195	0.019	0	0	1	19
PL.15166	PL.15509	B	#2 ACSR	7.28Y	121.3	0.05	3.73	19.34	11	136	37	96	0.05	0.0	2.271	0.077	0	0	0	16
PL.15515	PL.15166	B	#2 ACSR	7.28Y	121.3	0.00	3.73	6.28	4	44	12	96	0.00	0.0	2.294	0.022	8	2	1	6
PL.15516	PL.15515	B	#2 ACSR	7.28Y	121.3	0.00	3.73	5.09	3	36	10	96	0.00	0.0	2.320	0.027	24	6	3	5
PL.15517	PL.15516	B	#2 ACSR	7.28Y	121.3	0.00	3.73	1.65	1	12	3	97	0.00	0.0	2.345	0.025	12	3	2	2
PL.15168	PL.15166	B	#2 ACSR	7.28Y	121.3	0.02	3.75	10.81	6	76	20	97	0.01	0.0	2.332	0.061	0	0	0	9
PL.15169	PL.15168	B	#2 ACSR	7.27Y	121.2	0.01	3.75	3.10	2	22	6	96	0.00	0.0	2.439	0.107	22	6	2	2
PL.15514	PL.15168	B	#2 ACSR	7.27Y	121.2	0.00	3.75	7.71	4	54	15	96	0.00	0.0	2.355	0.023	16	4	2	7
PL.15518	PL.15514	B	#2 ACSR	7.27Y	121.2	0.00	3.76	5.39	3	38	10	97	0.00	0.0	2.386	0.031	25	7	3	5
PL.15519	PL.15518	B	#2 ACSR	7.27Y	121.2	0.00	3.76	1.81	1	13	3	97	0.00	0.0	2.416	0.030	13	3	2	2
PL.15167	PL.15166	B	#2 ACSR	7.28Y	121.3	0.00	3.73	2.25	1	16	4	97	0.00	0.0	2.328	0.056	16	4	1	1
PL.15512	PL.15509	B	#2 ACSR	7.28Y	121.3	0.00	3.68	1.77	1	12	3	97	0.00	0.0	2.218	0.023	8	2	1	2
PL.15513	PL.15512	B	#2 ACSR	7.28Y	121.3	0.00	3.68	0.59	0	4	1	97	0.00	0.0	2.246	0.028	4	1	1	1
PL.15159	PL.15226	B	#4 ACSR	7.29Y	121.5	0.00	3.49	3.27	3	23	6	97	0.00	0.0	2.080	0.047	23	6	1	1
PL.15228	PL.15520	ABC	#1/0 ACSR	7.30Y	121.6	0.01	3.41	16.64	7	352	93	97	0.02	0.0	1.982	0.031	0	0	0	96
PL.15229	PL.15228	ABC	#1/0 ACSR	7.30Y	121.6	0.00	3.41	16.64	7	352	93	97	0.00	0.0	1.986	0.004	13	3	1	96
PL.15149	PL.15229	B	#2 ACSR	7.30Y	121.6	0.00	3.41	30.78	18	217	57	97	0.01	0.0	1.990	0.004	0	0	0	41
PL.15630	PL.15149	B	1/0 AL URD	7.30Y	121.6	0.00	3.41	9.76	6	69	18	97	0.00	0.0	1.994	0.003	0	0	0	11
PD.2382	PL.15630	B	65T	7.30Y	121.6	0.00	3.41	9.76	0	69	18	97	0.00	0.0	1.994	0.003	0	0	0	11
PL.15631	PD.2382	B	1/0 AL URD	7.30Y	121.6	0.00	3.42	9.76	6	69	18	97	0.00	0.0	1.997	0.003	22	6	1	11
PL.15616	PL.15631	B	1/0 AL URD	7.29Y	121.6	0.01	3.42	6.60	4	47	12	97	0.00	0.0	2.028	0.030	17	4	4	10
PL.15617	PL.15616	B	1/0 AL URD	7.29Y	121.6	0.00	3.42	4.24	2	30	8	97	0.00	0.0	2.064	0.036	30	8	6	6
PL.15618	PL.15617	B	1/0 AL URD	7.29Y	121.6	0.00	3.42	-0.02	0	0	0	100	0.00	0.0	2.097	0.033	0	0	0	0
PL.15150	PL.15149	B	1/0 AL URD	7.30Y	121.6	0.00	3.42	21.02	12	148	39	97	0.00	0.0	1.995	0.005	0	0	0	30
PD.2418	PL.15150	B	65T	7.30Y	121.6	0.00	3.42	21.02	0	148	39	97	0.00	0.0	1.995	0.005	0	0	0	30
PL.15619	PD.2418	B	1/0 AL URD	7.29Y	121.6	0.02	3.43	21.02	12	148	39	97	0.02	0.0	2.024	0.029	28	8	6	30

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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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.15620	PL.15619	B	1/0 AL URD	7.29Y	121.5	0.02	3.46	17.00	10	120	31	97	0.02	0.0	2.075	0.051	28	7	6	24
PL.15622	PL.15620	B	1/0 AL URD	7.29Y	121.5	0.01	3.47	13.05	8	92	24	97	0.01	0.0	2.115	0.039	22	6	4	18
PL.15623	PL.15622	B	1/0 AL URD	7.29Y	121.5	0.01	3.48	9.96	6	70	19	97	0.00	0.0	2.150	0.035	54	14	10	14
PL.15621	PL.15623	B	1/0 AL URD	7.29Y	121.5	0.00	3.48	2.31	1	16	4	97	0.00	0.0	2.174	0.025	16	4	4	4
P PL.15451	PL.15621	B	1/0 AL URD	7.29Y	121.5	-0.00	3.48	-0.02	0	0	0	100	0.00	0.0	2.205	0.031	0	0	0	0 P
PL.15698	PL.15229	C	#4 ACSR	7.30Y	121.6	0.00	3.41	17.36	13	122	33	97	0.00	0.0	1.991	0.005	0	0	0	54
PD.2417	PL.15698	C	65T	7.30Y	121.6	0.00	3.41	17.36	0	122	33	97	0.00	0.0	1.991	0.005	0	0	0	54
PL.15699	PD.2417	C	#4 ACSR	7.29Y	121.5	0.04	3.45	17.36	13	122	33	97	0.04	0.0	2.045	0.055	0	0	0	54
PL.15151	PL.15699	C	#4 ACSR	7.29Y	121.5	0.03	3.48	17.36	13	122	33	97	0.03	0.0	2.083	0.037	0	0	0	54
PL.15465	PL.15151	C	#4 ACSR	7.29Y	121.5	0.02	3.51	9.62	7	68	18	97	0.01	0.0	2.140	0.058	0	0	0	24
PL.15153	PL.15465	C	#4 ACSR	7.29Y	121.5	0.01	3.52	7.90	6	56	15	97	0.00	0.0	2.171	0.031	0	0	0	23
PL.15156	PL.15153	C	#2 ACSR	7.29Y	121.5	0.01	3.53	6.44	4	45	12	97	0.00	0.0	2.238	0.067	10	3	4	22
PL.15524	PL.15156	C	#2 ACSR	7.29Y	121.5	0.00	3.53	4.95	3	35	9	97	0.00	0.0	2.261	0.023	25	7	10	18
PL.15523	PL.15524	C	#2 ACSR	7.29Y	121.5	0.00	3.53	1.34	1	9	3	95	0.00	0.0	2.285	0.024	9	3	8	8
PL.15155	PL.15153	C	#4 ACSR	7.29Y	121.5	0.00	3.52	1.46	1	10	3	96	0.00	0.0	2.279	0.108	10	3	1	1
PL.15466	PL.15465	C	#4 ACSR	7.29Y	121.5	0.00	3.51	1.72	1	12	3	97	0.00	0.0	2.178	0.038	0	0	0	1
PL.15154	PL.15466	C	#4 ACSR	7.29Y	121.5	0.00	3.51	1.72	1	12	3	97	0.00	0.0	2.226	0.048	12	3	1	1
PL.15152	PL.15151	C	#2 ACSR	7.29Y	121.5	0.00	3.49	7.74	4	55	15	96	0.00	0.0	2.092	0.009	10	3	9	30
PL.15157	PL.15152	C	#2 ACSR	7.29Y	121.5	0.00	3.49	6.36	4	45	12	97	0.00	0.0	2.116	0.025	24	6	11	21
PL.15158	PL.15157	C	#2 ACSR	7.29Y	121.5	0.00	3.49	2.99	2	21	6	96	0.00	0.0	2.140	0.023	21	6	10	10
PL.15134	PL.15133	ABC	#2/0 ACSR	7.30Y	121.6	0.02	3.36	17.02	6	359	100	96	0.05	0.0	1.896	0.087	0	0	0	60
PL.15135	PL.15134	ABC	#2/0 ACSR	7.30Y	121.6	0.02	3.38	17.02	6	359	100	96	0.05	0.0	1.979	0.083	0	0	0	60
PL.15165	PL.15135	ABC	#2/0 ACSR	7.30Y	121.6	0.02	3.39	17.02	6	359	100	96	0.04	0.0	2.046	0.067	0	0	0	60
PL.15170	PL.15165	ABC	#2/0 ACSR	7.30Y	121.6	0.02	3.42	17.02	6	359	100	96	0.05	0.0	2.129	0.083	0	0	0	60
PL.15171	PL.15170	ABC	#2/0 ACSR	7.29Y	121.6	0.02	3.43	16.03	6	338	94	96	0.04	0.0	2.206	0.077	0	0	1	58
PL.15172	PL.15171	ABC	#2/0 ACSR	7.29Y	121.5	0.02	3.46	16.03	6	338	94	96	0.05	0.0	2.300	0.094	14	4	3	57
PL.15173	PL.15172	ABC	#2/0 ACSR	7.29Y	121.5	0.00	3.46	2.17	1	45	15	95	0.00	0.0	2.345	0.045	23	9	2	6
PL.15338	PL.15173	ABC	#2/0 ACSR	7.29Y	121.5	0.00	3.46	1.03	0	22	6	96	0.00	0.0	2.387	0.042	11	3	2	4
PL.15525	PL.15338	B	#2 ACSR	7.29Y	121.5	0.00	3.46	1.48	1	10	3	96	0.00	0.0	2.446	0.058	10	3	2	2
PL.15526	PL.15525	B	#2 ACSR	7.29Y	121.5	0.00	3.46	0.00	0	0	0	100	0.00	0.0	2.503	0.057	0	0	0	0
PL.15245	PL.15172	A	6 A (CWC)	7.29Y	121.5	0.00	3.46	39.65	28	279	76	96	0.01	0.0	2.302	0.003	0	0	0	48

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Balanced Voltage Drop Report  
Source: Booneville

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	Length (mi)	-----Element-----		Cons On	Cons Thru
C PD.2435	PL.15245	A	50L	7.29Y	121.5	0.00	3.46	39.65	79	279	76	96	0.00	0.0	2.302	0.003	0	0	0	48 C
PL.15246	PD.2435	A	6 A (CWC)	7.29Y	121.5	0.06	3.52	39.65	28	279	76	96	0.13	0.0	2.338	0.035	17	5	1	48
PL.15174	PL.15246	A	6 A (CWC)	7.28Y	121.3	0.22	3.74	36.68	26	258	70	97	0.43	0.2	2.470	0.132	0	0	0	46
PL.15527	PL.15174	A	6 A (CWC)	7.27Y	121.2	0.07	3.81	36.68	26	258	70	97	0.13	0.0	2.510	0.040	8	2	2	46
PL.15528	PL.15527	A	6 A (CWC)	7.26Y	121.1	0.13	3.94	35.61	25	250	68	96	0.24	0.1	2.594	0.085	20	5	4	44
PL.15176	PL.15528	A	6 A (CWC)	7.26Y	121.0	0.09	4.03	32.71	23	229	62	97	0.15	0.1	2.652	0.057	0	0	0	40
PL.15467	PL.15176	A	6 A (CWC)	7.25Y	120.9	0.12	4.15	32.71	23	229	62	97	0.20	0.1	2.732	0.081	10	3	1	39
PL.15180	PL.15467	A	6 A (CWC)	7.25Y	120.8	0.01	4.15	1.74	1	12	3	97	0.00	0.0	2.897	0.165	12	3	1	1
PL.15179	PL.15467	A	6 A (CWC)	7.25Y	120.8	0.08	4.22	29.50	21	206	56	96	0.12	0.1	2.788	0.056	0	0	0	37
PL.15181	PL.15179	A	6 A (CWC)	7.24Y	120.6	0.13	4.35	29.50	21	206	56	96	0.20	0.1	2.888	0.100	10	3	2	37
PL.15182	PL.15181	A	6 A (CWC)	7.24Y	120.6	0.04	4.39	28.00	20	196	53	97	0.06	0.0	2.921	0.034	0	0	0	35
PL.15183	PL.15182	A	6 A (CWC)	7.23Y	120.5	0.12	4.51	28.00	20	196	53	97	0.17	0.1	3.013	0.092	0	0	1	35
PL.15184	PL.15183	A	6 A (CWC)	7.22Y	120.3	0.15	4.66	28.00	20	195	53	96	0.21	0.1	3.130	0.117	9	2	3	34
PL.15567	PL.15184	A	6 A (CWC)	7.22Y	120.3	0.08	4.73	21.66	15	151	41	97	0.09	0.1	3.209	0.080	8	2	2	24
PL.15568	PL.15567	A	6 A (CWC)	7.21Y	120.2	0.06	4.79	20.55	15	143	39	96	0.06	0.0	3.277	0.067	15	4	2	22
PL.15186	PL.15568	A	6 A (CWC)	7.21Y	120.1	0.09	4.89	18.36	13	128	34	97	0.09	0.1	3.391	0.115	9	2	1	20
PL.15235	PL.15186	A	#2 ACSR	7.21Y	120.1	0.01	4.89	2.39	1	17	4	97	0.00	0.0	3.463	0.072	0	0	0	2
PL.15236	PL.15235	A	#2 ACSR	7.21Y	120.1	0.00	4.89	1.73	1	12	3	97	0.00	0.0	3.482	0.019	12	3	1	1
PL.15187	PL.15235	A	#1/0 ACSR	7.21Y	120.1	0.00	4.89	0.66	0	5	1	98	0.00	0.0	3.504	0.041	5	1	1	1
PL.15189	PL.15186	A	6 A (CWC)	7.20Y	120.0	0.07	4.96	13.68	10	95	26	96	0.05	0.1	3.509	0.118	0	0	0	16
PL.15190	PL.15189	A	#1/0 ACSR	7.20Y	120.0	0.00	4.96	1.74	1	12	3	97	0.00	0.0	3.557	0.048	12	3	1	1
PL.15191	PL.15189	A	6 A (CWC)	7.20Y	120.0	0.04	5.00	11.94	9	83	22	97	0.03	0.0	3.587	0.078	0	0	0	15
PL.15193	PL.15191	A	6 A (CWC)	7.20Y	120.0	0.04	5.04	9.19	7	64	17	97	0.02	0.0	3.682	0.094	0	0	0	10
PL.15194	PL.15193	A	6 A (CWC)	7.19Y	119.9	0.05	5.09	9.19	7	64	17	97	0.02	0.0	3.794	0.112	0	0	0	10
PL.15573	PL.15194	A	6 A (CWC)	7.19Y	119.9	0.01	5.10	8.38	6	58	16	96	0.01	0.0	3.831	0.038	5	1	1	9
PL.15574	PL.15573	A	6 A (CWC)	7.19Y	119.9	0.01	5.11	7.66	5	53	14	97	0.00	0.0	3.858	0.026	0	0	0	8
PL.15507	PL.15574	A	#2 ACSR	7.19Y	119.9	0.01	5.12	5.16	3	36	10	96	0.00	0.0	3.900	0.042	6	2	1	3
PL.15332	PL.15507	A	#1/0 ACSR	7.19Y	119.9	0.00	5.12	2.74	1	19	5	97	0.00	0.0	3.997	0.098	19	5	1	1
PL.15508	PL.15507	A	#2 ACSR	7.19Y	119.9	0.00	5.12	1.61	1	11	3	96	0.00	0.0	3.974	0.075	11	3	1	1
PL.15331	PL.15574	A	6 A (CWC)	7.19Y	119.9	0.01	5.12	1.14	1	8	2	97	0.00	0.0	3.956	0.099	0	0	0	2
PL.15337	PL.15331	A	#2 ACSR	7.19Y	119.9	0.00	5.12	1.14	1	8	2	97	0.00	0.0	4.053	0.097	8	2	2	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	Length (mi)	-----Element-----			
																KW	KVAR	Cons On	Cons Thru	
PL.15196	PL.15574	A	6 A (CWC)	7.19Y	119.9	0.00	5.12	1.36	1	9	3	95	0.00	0.0	3.939	0.081	9	3	1	3
PL.15576	PL.15196	A	6 A (CWC)	7.19Y	119.9	0.00	5.12	0.00	0	0	0	100	0.00	0.0	4.030	0.091	0	0	0	2
PL.15577	PL.15576	A	6 A (CWC)	7.19Y	119.9	0.00	5.12	0.00	0	0	0	100	0.00	0.0	4.126	0.096	0	0	0	2
PL.15575	PL.15577	A	6 A (CWC)	7.19Y	119.9	0.00	5.12	0.00	0	0	0	100	0.00	0.0	4.190	0.064	0	0	0	2
PL.15333	PL.15575	A	6 A (CWC)	7.19Y	119.9	0.00	5.12	0.00	0	0	0	100	0.00	0.0	4.263	0.073	0	0	0	2
PL.15334	PL.15333	A	6 A (CWC)	7.19Y	119.9	0.00	5.12	0.00	0	0	0	100	0.00	0.0	4.390	0.127	0	0	0	2
PL.15335	PL.15334	A	6 A (CWC)	7.19Y	119.9	0.00	5.12	0.00	0	0	0	100	0.00	0.0	4.454	0.064	0	0	0	2
PL.15336	PL.15335	A	6 A (CWC)	7.19Y	119.9	0.00	5.12	0.00	0	0	0	100	0.00	0.0	4.542	0.087	0	0	0	2
PL.15340	PL.15336	A	#1/0 ACSR	7.19Y	119.9	0.00	5.12	0.00	0	0	0	100	0.00	0.0	4.624	0.083	0	0	0	2
PL.15585	PL.15340	A	#1/0 ACSR	7.19Y	119.9	0.00	5.12	0.00	0	0	0	100	0.00	0.0	4.686	0.062	0	0	1	2
PL.15584	PL.15585	A	#1/0 ACSR	7.19Y	119.9	0.00	5.12	0.00	0	0	0	100	0.00	0.0	4.733	0.047	0	0	0	1
PL.15339	PL.15584	A	#1/0 ACSR	7.19Y	119.9	0.00	5.12	0.00	0	0	0	100	0.00	0.0	4.820	0.087	0	0	1	1
PL.15195	PL.15194	A	#2 ACSR	7.19Y	119.9	0.00	5.09	0.81	0	6	2	95	0.00	0.0	3.850	0.056	6	2	1	1
PL.15192	PL.15191	A	#2 ACSR	7.20Y	120.0	0.00	5.01	2.75	2	19	5	97	0.00	0.0	3.666	0.078	19	5	5	5
PL.15188	PL.15186	A	6 A (CWC)	7.21Y	120.1	0.00	4.89	1.06	1	7	2	96	0.00	0.0	3.476	0.085	7	2	1	1
PL.15185	PL.15184	A	6 A (CWC)	7.22Y	120.3	0.01	4.67	5.08	4	35	10	96	0.00	0.0	3.188	0.058	8	2	2	7
PL.15341	PL.15185	A	#1/0 ACSR	7.22Y	120.3	0.00	4.67	1.79	1	12	3	97	0.00	0.0	3.234	0.046	12	3	1	1
PL.15342	PL.15185	A	6 A (CWC)	7.22Y	120.3	0.01	4.68	2.08	1	15	4	97	0.00	0.0	3.283	0.095	0	0	1	4
PL.15343	PL.15342	A	#2 ACSR	7.22Y	120.3	0.00	4.68	0.63	0	4	1	97	0.00	0.0	3.357	0.074	0	0	0	2
PL.15569	PL.15343	A	#2 ACSR	7.22Y	120.3	0.00	4.68	0.63	0	4	1	97	0.00	0.0	3.390	0.032	0	0	0	2
PL.15570	PL.15569	A	#2 ACSR	7.22Y	120.3	0.00	4.68	0.63	0	4	1	97	0.00	0.0	3.551	0.161	4	1	2	2
PL.15345	PL.15343	A	#1/0 ACSR	7.22Y	120.3	0.00	4.68	0.00	0	0	0	100	0.00	0.0	3.441	0.083	0	0	0	0
PL.15344	PL.15342	A	#1/0 ACSR	7.22Y	120.3	0.00	4.68	1.45	1	10	3	96	0.00	0.0	3.366	0.083	10	3	1	1
PL.15177	PL.15176	A	#2 ACSR	7.26Y	121.0	0.00	4.03	0.00	0	0	0	100	0.00	0.0	2.662	0.011	0	0	0	1
PL.15178	PL.15177	A	#2 ACSR	7.26Y	121.0	0.00	4.03	0.00	0	0	0	100	0.00	0.0	2.720	0.058	0	0	1	1
PL.15175	PL.15246	A	#2 ACSR	7.29Y	121.5	0.00	3.52	0.49	0	3	1	95	0.00	0.0	2.383	0.045	3	1	1	1
PL.15706	PL.15170	A	#4 ACSR	7.30Y	121.6	0.00	3.42	2.96	2	21	6	96	0.00	0.0	2.134	0.005	0	0	0	2
PD.2423	PL.15706	A	65T	7.30Y	121.6	0.00	3.42	2.96	0	21	6	96	0.00	0.0	2.134	0.005	0	0	0	2
PL.15707	PD.2423	A	#4 ACSR	7.29Y	121.6	0.00	3.42	2.96	2	21	6	96	0.00	0.0	2.166	0.032	21	6	2	2
PL.15634	PL.15130	C	#1/0 ACSR	7.31Y	121.8	0.00	3.23	2.16	1	15	4	97	0.00	0.0	1.693	0.005	0	0	0	2
PD.2384	PL.15634	C	65T	7.31Y	121.8	0.00	3.23	2.16	0	15	4	97	0.00	0.0	1.693	0.005	0	0	0	2

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Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky  
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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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.15635	PD.2384	C	#1/0 ACSR	7.31Y	121.8	0.00	3.23	2.16	1	15	4	97	0.00	0.0	1.703	0.010	15	4	2	2
PL.15648	PL.15128	B	#1/0 ACSR	7.31Y	121.9	0.00	3.13	5.13	2	36	10	96	0.00	0.0	1.590	0.004	0	0	0	2
PD.2391	PL.15648	B	65T	7.31Y	121.9	0.00	3.13	5.13	0	36	10	96	0.00	0.0	1.590	0.004	0	0	0	2
PL.15649	PD.2391	B	#1/0 ACSR	7.31Y	121.9	0.00	3.13	5.13	2	36	10	96	0.00	0.0	1.600	0.010	36	10	2	2
PL.15716	PL.15207	ABC	#1/0 ACSR	7.33Y	122.1	0.00	2.89	5.49	2	111	47	92	0.00	0.0	1.403	0.005	0	0	0	6
PD.2430	PL.15716	ABC	65T	7.33Y	122.1	0.00	2.89	5.49	0	111	47	92	0.00	0.0	1.403	0.005	0	0	0	6
PL.15717	PD.2430	ABC	#1/0 ACSR	7.33Y	122.1	0.01	2.90	5.49	2	111	47	92	0.01	0.0	1.505	0.103	0	0	1	6
PL.15549	PL.15717	ABC	#1/0 ACSR	7.33Y	122.1	0.00	2.90	5.49	2	111	47	92	0.00	0.0	1.547	0.041	18	5	3	5
PL.15550	PL.15549	ABC	#1/0 ACSR	7.33Y	122.1	0.00	2.91	4.67	2	94	42	91	0.00	0.0	1.577	0.031	0	0	0	2
PL.15552	PL.15550	ABC	#1/0 ACSR	7.33Y	122.1	0.01	2.91	4.67	2	94	42	91	0.00	0.0	1.658	0.080	16	4	1	2
PL.15553	PL.15552	ABC	#1/0 ACSR	7.33Y	122.1	0.00	2.92	3.94	2	78	38	90	0.00	0.0	1.701	0.043	78	38	1	1
PL.15114	PL.15113	ABC	#1/0 ACSR	7.35Y	122.5	0.01	2.54	4.89	2	100	41	93	0.00	0.0	1.274	0.079	11	3	1	6
PL.15612	PL.15114	ABC	#1/0 ACSR	7.35Y	122.5	0.01	2.55	4.39	2	89	38	92	0.00	0.0	1.357	0.083	23	11	1	5
PL.15613	PL.15612	ABC	#1/0 ACSR	7.35Y	122.4	0.00	2.55	3.20	1	66	26	93	0.00	0.0	1.376	0.019	1	0	1	4
PL.15118	PL.15613	ABC	#1/0 ACSR	7.35Y	122.4	0.00	2.55	3.15	1	64	26	93	0.00	0.0	1.452	0.075	64	26	3	3
PL.15714	PL.15112	ABC	#1/0 ACSR	7.35Y	122.5	0.00	2.49	18.40	8	389	114	96	0.00	0.0	1.173	0.005	0	0	0	56
PD.2429	PL.15714	ABC	65T	7.35Y	122.5	0.00	2.49	18.40	0	389	114	96	0.00	0.0	1.173	0.005	0	0	0	56
PL.15715	PD.2429	ABC	#1/0 ACSR	7.35Y	122.5	0.02	2.51	18.40	8	389	114	96	0.05	0.0	1.227	0.054	7	2	1	56
PL.15566	PL.15715	ABC	#1/0 ACSR	7.35Y	122.5	0.01	2.52	18.08	8	383	112	96	0.04	0.0	1.269	0.042	6	2	2	55
PL.15540	PL.15566	ABC	#1/0 ACSR	7.35Y	122.5	0.00	2.52	17.80	8	376	110	96	0.01	0.0	1.275	0.007	0	0	0	53
PL.15642	PL.15540	C	#1/0 ACSR	7.35Y	122.5	0.00	2.52	1.87	1	13	4	96	0.00	0.0	1.280	0.005	0	0	0	2
PD.2388	PL.15642	C	65T	7.35Y	122.5	0.00	2.52	1.87	0	13	4	96	0.00	0.0	1.280	0.005	0	0	0	2
PL.15643	PD.2388	C	#1/0 ACSR	7.35Y	122.5	0.00	2.52	1.87	1	13	4	96	0.00	0.0	1.287	0.006	13	4	2	2
PL.15463	PL.15540	ABC	#1/0 ACSR	7.35Y	122.5	0.01	2.53	17.17	7	363	107	96	0.02	0.0	1.304	0.028	91	34	6	51
PL.15214	PL.15463	C	#1/0 ACSR	7.35Y	122.4	0.02	2.55	38.35	17	272	73	97	0.04	0.0	1.332	0.029	45	12	7	45
PL.15537	PL.15214	C	#1/0 ACSR	7.35Y	122.4	0.02	2.58	27.60	12	196	53	97	0.03	0.0	1.368	0.036	13	3	1	35
PL.15538	PL.15537	C	#1/0 ACSR	7.34Y	122.4	0.02	2.60	25.80	11	183	49	97	0.02	0.0	1.403	0.035	32	9	9	34
PL.15694	PL.15538	C	6 A (CWC)	7.34Y	122.4	0.00	2.60	4.51	3	32	9	96	0.00	0.0	1.408	0.005	0	0	0	8
PD.2415	PL.15694	C	65T	7.34Y	122.4	0.00	2.60	4.51	0	32	9	96	0.00	0.0	1.408	0.005	0	0	0	8
PL.15695	PD.2415	C	6 A (CWC)	7.34Y	122.4	0.00	2.60	4.51	3	32	9	96	0.00	0.0	1.444	0.036	24	6	6	8
PL.15117	PL.15695	C	6 A (CWC)	7.34Y	122.4	0.00	2.60	1.15	1	8	2	97	0.00	0.0	1.473	0.029	8	2	2	2

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Balanced Voltage Drop Report  
Source: Booneville

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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.15534	PL.15538	C	#1/0 ACSR	7.34Y	122.4	0.01	2.61	16.74	7	119	32	97	0.01	0.0	1.436	0.032	24	6	3	17
PL.15535	PL.15534	C	#1/0 ACSR	7.34Y	122.4	0.01	2.62	13.40	6	95	26	96	0.01	0.0	1.476	0.040	3	1	2	14
PL.15533	PL.15535	C	#1/0 ACSR	7.34Y	122.4	0.01	2.63	12.99	6	92	25	97	0.00	0.0	1.504	0.028	5	1	1	12
PL.15636	PL.15533	C	#1/0 ACSR	7.34Y	122.4	0.00	2.63	11.88	5	84	23	96	0.00	0.0	1.509	0.005	0	0	0	9
PD.2385	PL.15636	C	65T	7.34Y	122.4	0.00	2.63	11.88	0	84	23	96	0.00	0.0	1.509	0.005	0	0	0	9
PL.15637	PD.2385	C	#1/0 ACSR	7.34Y	122.4	0.01	2.64	11.88	5	84	23	96	0.00	0.0	1.537	0.028	21	6	4	9
PL.15529	PL.15637	C	#4 ACSR	7.34Y	122.4	0.00	2.64	0.00	0	0	0	100	0.00	0.0	1.595	0.057	0	0	1	4
PL.15530	PL.15529	C	#4 ACSR	7.34Y	122.4	0.00	2.64	0.00	0	0	0	100	0.00	0.0	1.639	0.044	0	0	3	3
PL.15209	PL.15637	C	#1/0 ACSR	7.34Y	122.4	0.00	2.64	8.87	4	63	17	97	0.00	0.0	1.551	0.014	0	0	0	1
PL.15116	PL.15209	C	#1/0 ACSR	7.34Y	122.4	0.00	2.64	8.87	4	63	17	97	0.00	0.0	1.589	0.038	63	17	1	1
PL.15531	PL.15533	C	#1/0 ACSR	7.34Y	122.4	0.00	2.63	0.34	0	2	1	89	0.00	0.0	1.532	0.028	2	1	2	2
PL.15532	PL.15531	C	#1/0 ACSR	7.34Y	122.4	0.00	2.63	0.00	0	0	0	100	0.00	0.0	1.574	0.042	0	0	0	0
PL.15115	PL.15214	C	#1/0 ACSR	7.35Y	122.4	0.00	2.56	4.39	2	31	8	97	0.00	0.0	1.350	0.018	31	8	3	3
PL.15122	PL.15111	ABC	336 MCM AC	7.35Y	122.6	0.05	2.42	43.06	8	918	247	97	0.23	0.0	1.250	0.146	0	0	0	169
PL.15496	PL.15122	ABC	336 MCM AC	7.35Y	122.5	0.04	2.46	43.06	8	918	246	97	0.22	0.0	1.391	0.141	0	0	0	169
PL.15497	PL.15496	ABC	336 MCM AC	7.35Y	122.5	0.04	2.50	43.06	8	917	246	97	0.19	0.0	1.513	0.121	0	0	0	169
PL.15492	PL.15497	ABC	336 MCM AC	7.35Y	122.5	0.03	2.53	42.12	8	897	240	97	0.16	0.0	1.621	0.109	0	0	0	162
PL.15249	PL.15492	ABC	336 MCM AC	7.35Y	122.4	0.04	2.57	42.12	8	897	240	97	0.19	0.0	1.749	0.127	0	0	0	162
PL.15250	PL.15249	ABC	336 MCM AC	7.35Y	122.4	0.00	2.57	42.12	8	897	239	97	0.00	0.0	1.751	0.002	0	0	0	162
PL.15468	PL.15250	ABC	336 MCM AC	7.34Y	122.4	0.04	2.61	31.89	6	678	184	97	0.14	0.0	1.911	0.160	0	0	0	121
PL.15205	PL.15468	ABC	336 MCM AC	7.34Y	122.4	0.03	2.64	31.89	6	678	184	97	0.10	0.0	2.025	0.114	0	0	0	121
PL.15206	PL.15205	ABC	336 MCM AC	7.34Y	122.3	0.01	2.65	31.89	6	678	184	97	0.05	0.0	2.082	0.056	0	0	0	121
PL.15473	PL.15206	ABC	336 MCM AC	7.34Y	122.3	0.01	2.67	31.89	6	678	184	97	0.05	0.0	2.138	0.057	0	0	0	121
PL.15233	PL.15473	ABC	336 MCM AC	7.34Y	122.3	0.02	2.68	31.41	6	668	181	97	0.07	0.0	2.221	0.082	4	1	1	120
PL.15234	PL.15233	ABC	336 MCM AC	7.34Y	122.3	0.02	2.70	30.65	6	651	176	97	0.05	0.0	2.288	0.067	0	0	0	117
PL.15474	PL.15234	ABC	336 MCM AC	7.34Y	122.3	0.00	2.70	0.00	0	0	0	100	0.00	0.0	2.317	0.029	0	0	0	0
PL.12507	PL.15474	ABC	336 MCM AC	7.34Y	122.3	0.00	2.70	0.00	0	0	0	100	0.00	0.0	2.322	0.005	0	0	0	0
PD.2137-B	PL.12507	ABC	Open	7.34Y	122.3	0.00	2.70	0.00	0	0	0	100	0.00	0.0	2.322	0.005	0	0	0	0
PL.15580	PL.15234	A	#1/0 ACSR	7.34Y	122.3	0.00	2.70	3.54	2	25	7	96	0.00	0.0	2.308	0.020	7	2	1	4
PL.15660	PL.15580	A	#1/0 ACSR	7.34Y	122.3	0.00	2.70	2.54	1	18	5	96	0.00	0.0	2.312	0.005	0	0	0	3
PD.2398	PL.15660	A	65T	7.34Y	122.3	0.00	2.70	2.54	0	18	5	96	0.00	0.0	2.312	0.005	0	0	0	3

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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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.15661	PD.2398	A	#1/0 ACSR	7.34Y	122.3	0.00	2.70	2.54	1	18	5	96	0.00	0.0	2.336	0.024	5	1	1	3
PL.15581	PL.15661	A	#1/0 ACSR	7.34Y	122.3	0.00	2.70	1.78	1	13	3	97	0.00	0.0	2.352	0.015	13	3	2	2
PL.15124	PL.15234	ABC	#1/0 ACSR	7.34Y	122.3	0.01	2.71	29.47	13	626	169	97	0.05	0.0	2.311	0.023	8	2	1	113
PL.15582	PL.15124	ABC	#1/0 ACSR	7.34Y	122.3	0.02	2.73	29.12	13	619	167	97	0.09	0.0	2.353	0.042	9	3	1	112
PL.15583	PL.15582	ABC	#1/0 ACSR	7.33Y	122.2	0.03	2.76	28.68	12	609	165	97	0.12	0.0	2.407	0.054	0	0	0	111
PL.15702	PL.15583	C	#2 ACSR	7.33Y	122.2	0.00	2.76	3.12	2	22	6	96	0.00	0.0	2.412	0.005	0	0	0	2
PD.2420	PL.15702	C	65T	7.33Y	122.2	0.00	2.76	3.12	0	22	6	96	0.00	0.0	2.412	0.005	0	0	0	2
PL.15703	PD.2420	C	#2 ACSR	7.33Y	122.2	0.00	2.76	3.12	2	22	6	96	0.00	0.0	2.419	0.007	10	3	1	2
PL.15385	PL.15703	C	#2 ACSR	7.33Y	122.2	0.00	2.77	1.73	1	12	3	97	0.00	0.0	2.473	0.054	0	0	0	1
PL.15391	PL.15385	C	#2 ACSR	7.33Y	122.2	0.00	2.77	1.73	1	12	3	97	0.00	0.0	2.489	0.016	12	3	1	1
PL.15386	PL.15583	ABC	#1/0 ACSR	7.33Y	122.2	0.02	2.79	27.64	12	587	159	97	0.10	0.0	2.456	0.049	15	4	2	109
PL.15387	PL.15386	ABC	#1/0 ACSR	7.33Y	122.2	0.03	2.82	26.92	12	572	155	97	0.14	0.0	2.528	0.072	15	4	4	107
PL.15388	PL.15387	ABC	#1/0 ACSR	7.33Y	122.1	0.04	2.86	25.95	11	551	149	97	0.14	0.0	2.608	0.079	0	0	0	102
PL.15392	PL.15388	ABC	#1/0 ACSR	7.33Y	122.1	0.02	2.88	25.95	11	551	149	97	0.08	0.0	2.650	0.043	7	2	1	102
PL.15666	PL.15392	C	#1/0 ACSR	7.33Y	122.1	0.00	2.88	10.00	4	71	19	97	0.00	0.0	2.655	0.005	0	0	0	14
PD.2401	PL.15666	C	65T	7.33Y	122.1	0.00	2.88	10.00	0	71	19	97	0.00	0.0	2.655	0.005	0	0	0	14
PL.15667	PD.2401	C	#1/0 ACSR	7.33Y	122.1	0.00	2.88	10.00	4	71	19	97	0.00	0.0	2.675	0.020	0	0	0	14
PL.15586	PL.15667	C	6 A (CWC)	7.33Y	122.1	0.00	2.88	1.18	1	8	2	97	0.00	0.0	2.706	0.031	8	2	1	2
PL.15587	PL.15586	C	6 A (CWC)	7.33Y	122.1	0.00	2.88	0.03	0	0	0	100	0.00	0.0	2.767	0.061	0	0	1	1
PL.15475	PL.15667	C	#1/0 ACSR	7.33Y	122.1	0.01	2.89	6.60	3	47	13	96	0.00	0.0	2.741	0.066	0	0	0	9
PL.15396	PL.15475	C	6 A (CWC)	7.33Y	122.1	0.02	2.91	6.59	5	47	13	96	0.01	0.0	2.813	0.072	5	1	2	8
PL.15397	PL.15396	C	6 A (CWC)	7.33Y	122.1	0.00	2.91	2.66	2	19	5	97	0.00	0.0	2.830	0.017	12	3	1	3
PL.15404	PL.15397	C	6 A (CWC)	7.33Y	122.1	0.00	2.92	0.97	1	7	2	96	0.00	0.0	2.874	0.044	7	2	2	2
PL.15588	PL.15396	C	#1/0 ACSR	7.33Y	122.1	0.00	2.91	3.30	1	23	6	97	0.00	0.0	2.832	0.019	10	3	1	3
PL.15589	PL.15588	C	#1/0 ACSR	7.33Y	122.1	0.00	2.92	1.95	1	14	4	96	0.00	0.0	2.864	0.032	0	0	0	2
PL.15398	PL.15589	C	#1/0 ACSR	7.33Y	122.1	0.00	2.92	0.03	0	0	0	100	0.00	0.0	2.930	0.066	0	0	1	1
PL.15399	PL.15589	C	#1/0 ACSR	7.32Y	122.1	0.00	2.92	1.92	1	14	4	96	0.00	0.0	2.939	0.075	14	4	1	1
PL.15395	PL.15475	C	#1/0 ACSR	7.33Y	122.1	0.00	2.89	0.01	0	0	0	100	0.00	0.0	2.775	0.034	0	0	1	1
PL.15393	PL.15667	C	#1/0 ACSR	7.33Y	122.1	0.00	2.88	2.22	1	16	4	97	0.00	0.0	2.720	0.045	16	4	3	3
PL.15253	PL.15392	ABC	#1/0 ACSR	7.33Y	122.1	0.01	2.89	22.28	10	473	128	97	0.04	0.0	2.680	0.030	0	0	0	87
PD.2438	PL.15253	ABC	35L	7.33Y	122.1	0.00	2.89	22.28	64	473	128	97	0.00	0.0	2.680	0.030	0	0	0	87

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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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.15254	PD.2438	ABC	#1/0 ACSR	7.33Y	122.1	0.01	2.90	22.28	10	473	128	97	0.04	0.0	2.710	0.030	0	0	0	87
PL.15394	PL.15254	ABC	#1/0 ACSR	7.32Y	122.1	0.02	2.92	22.28	10	473	128	97	0.07	0.0	2.766	0.056	11	3	1	87
PL.15400	PL.15394	ABC	#1/0 ACSR	7.32Y	122.1	0.01	2.93	21.78	9	462	125	97	0.02	0.0	2.782	0.016	0	0	0	86
PL.15402	PL.15400	A	#1/0 ACSR	7.32Y	122.1	0.00	2.93	3.69	2	26	7	97	0.00	0.0	2.787	0.005	0	0	0	4
PD.2424	PL.15402	A	15T	7.32Y	122.1	0.00	2.93	3.69	0	26	7	97	0.00	0.0	2.787	0.005	0	0	0	4
PL.15477	PD.2424	A	#1/0 ACSR	7.32Y	122.1	0.00	2.93	2.58	1	18	5	96	0.00	0.0	2.801	0.014	8	2	1	2
PL.15403	PL.15477	A	#1/0 ACSR	7.32Y	122.1	0.00	2.93	1.50	1	11	3	96	0.00	0.0	2.897	0.097	11	3	1	1
PL.15237	PD.2424	A	#1/0 ACSR	7.32Y	122.1	0.00	2.93	1.11	0	8	2	97	0.00	0.0	2.793	0.006	0	0	0	2
PL.15238	PL.15237	A	#1/0 ACSR	7.32Y	122.1	0.00	2.93	1.11	0	8	2	97	0.00	0.0	2.793	0.000	0	0	0	2
PL.15401	PL.15238	A	#1/0 ACSR	7.32Y	122.1	0.00	2.93	1.11	0	8	2	97	0.00	0.0	2.807	0.014	8	2	2	2
PL.15476	PL.15400	ABC	#1/0 ACSR	7.32Y	122.0	0.03	2.96	20.55	9	436	118	97	0.09	0.0	2.863	0.080	3	1	1	82
PL.15405	PL.15476	ABC	#1/0 ACSR	7.32Y	122.0	0.03	2.99	20.40	9	433	117	97	0.09	0.0	2.942	0.079	0	0	0	81
PL.15668	PL.15405	C	#1/0 ACSR	7.32Y	122.0	0.00	2.99	0.79	0	6	2	95	0.00	0.0	2.946	0.005	0	0	0	2
PD.2402	PL.15668	C	15T	7.32Y	122.0	0.00	2.99	0.79	0	6	2	95	0.00	0.0	2.946	0.005	0	0	0	2
PL.15669	PD.2402	C	#1/0 ACSR	7.32Y	122.0	0.00	2.99	0.79	0	6	2	95	0.00	0.0	2.968	0.022	6	2	2	2
PL.15406	PL.15405	ABC	#1/0 ACSR	7.32Y	122.0	0.02	3.00	20.14	9	427	115	97	0.05	0.0	2.987	0.046	4	1	2	79
PL.15407	PL.15406	ABC	#1/0 ACSR	7.32Y	122.0	0.02	3.02	19.93	9	423	114	97	0.06	0.0	3.039	0.052	0	0	0	77
PL.15708	PL.15407	C	#1/0 ACSR	7.32Y	122.0	0.00	3.02	1.75	1	12	3	97	0.00	0.0	3.044	0.005	0	0	0	1
PD.2425	PL.15708	C	15T	7.32Y	122.0	0.00	3.02	1.75	0	12	3	97	0.00	0.0	3.044	0.005	0	0	0	1
PL.15709	PD.2425	C	#1/0 ACSR	7.32Y	122.0	0.00	3.02	1.75	1	12	3	97	0.00	0.0	3.063	0.019	12	3	1	1
PL.15501	PL.15407	ABC	#1/0 ACSR	7.32Y	122.0	0.02	3.04	19.35	8	410	111	97	0.05	0.0	3.091	0.052	6	2	1	76
PL.15408	PL.15501	A	#1/0 ACSR	7.32Y	122.0	0.00	3.04	2.83	1	20	5	97	0.00	0.0	3.096	0.005	0	0	0	2
PD.2421	PL.15408	A	15T	7.32Y	122.0	0.00	3.04	2.83	0	20	5	97	0.00	0.0	3.096	0.005	0	0	0	2
PL.15502	PD.2421	A	#1/0 ACSR	7.32Y	122.0	0.00	3.04	1.81	1	13	3	97	0.00	0.0	3.100	0.004	0	0	0	1
PL.15503	PL.15502	A	#1/0 ACSR	7.32Y	122.0	0.00	3.04	1.81	1	13	3	97	0.00	0.0	3.100	0.000	0	0	0	1
PL.15453	PL.15503	A	#1/0 ACSR	7.32Y	122.0	0.00	3.04	1.81	1	13	3	97	0.00	0.0	3.103	0.003	0	0	0	1
PL.15454	PL.15453	A	#1/0 ACSR	7.32Y	122.0	0.00	3.04	1.81	1	13	3	97	0.00	0.0	3.103	0.001	0	0	0	1
PL.15455	PL.15454	A	#1/0 ACSR	7.32Y	122.0	0.00	3.04	1.81	1	13	3	97	0.00	0.0	3.134	0.030	13	3	1	1
PL.15478	PD.2421	A	#1/0 ACSR	7.32Y	122.0	0.00	3.04	1.02	0	7	2	96	0.00	0.0	3.126	0.030	0	0	0	1
PL.15409	PL.15478	A	#1/0 ACSR	7.32Y	122.0	0.00	3.04	1.02	0	7	2	96	0.00	0.0	3.169	0.042	7	2	1	1
PL.15504	PL.15501	ABC	#1/0 ACSR	7.32Y	122.0	0.00	3.04	18.14	8	384	104	97	0.00	0.0	3.096	0.005	0	0	0	73

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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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.15505	PL.15504	ABC	#1/0 ACSR	7.31Y	121.9	0.04	3.09	18.14	8	384	104	97	0.12	0.0	3.232	0.136	7	2	2	73
PL.15672	PL.15505	A	6 A (CWC)	7.31Y	121.9	0.00	3.09	1.50	1	11	3	96	0.00	0.0	3.236	0.005	0	0	0	1
PD.2404	PL.15672	A	15T	7.31Y	121.9	0.00	3.09	1.50	0	11	3	96	0.00	0.0	3.236	0.005	0	0	0	1
PL.15673	PD.2404	A	6 A (CWC)	7.31Y	121.9	0.00	3.09	1.50	1	11	3	96	0.00	0.0	3.359	0.122	11	3	1	1
PL.15410	PL.15505	ABC	#1/0 ACSR	7.31Y	121.9	0.03	3.11	17.32	8	367	99	97	0.06	0.0	3.313	0.081	0	0	0	70
PL.15479	PL.15410	ABC	#1/0 ACSR	7.31Y	121.9	0.01	3.12	16.50	7	350	94	97	0.02	0.0	3.341	0.028	0	0	0	69
PL.15411	PL.15479	ABC	#1/0 ACSR	7.31Y	121.9	0.01	3.13	16.50	7	350	94	97	0.03	0.0	3.389	0.048	0	0	0	69
PL.15480	PL.15411	ABC	#1/0 ACSR	7.31Y	121.8	0.04	3.17	16.50	7	350	94	97	0.09	0.0	3.511	0.123	0	0	0	69
PL.15412	PL.15480	ABC	#1/0 ACSR	7.31Y	121.8	0.01	3.18	16.50	7	349	94	97	0.03	0.0	3.557	0.045	0	0	0	69
PL.15676	PL.15412	C	6 A (CWC)	7.31Y	121.8	0.00	3.18	4.37	3	31	8	97	0.00	0.0	3.561	0.005	0	0	0	7
PD.2406	PL.15676	C	15T	7.31Y	121.8	0.00	3.18	4.37	0	31	8	97	0.00	0.0	3.561	0.005	0	0	0	7
PL.15677	PD.2406	C	6 A (CWC)	7.31Y	121.8	0.01	3.19	4.37	3	31	8	97	0.00	0.0	3.601	0.039	0	0	0	7
PL.15414	PL.15677	C	6 A (CWC)	7.31Y	121.8	0.03	3.22	4.37	3	31	8	97	0.01	0.0	3.754	0.153	0	0	0	7
PL.15590	PL.15414	C	6 A (CWC)	7.31Y	121.8	0.01	3.24	4.37	3	31	8	97	0.00	0.0	3.829	0.075	1	0	1	7
PL.15591	PL.15590	C	6 A (CWC)	7.31Y	121.8	0.01	3.25	4.16	3	29	8	96	0.00	0.0	3.873	0.044	4	1	1	6
PL.15415	PL.15591	C	6 A (CWC)	7.30Y	121.7	0.01	3.25	3.63	3	26	7	97	0.00	0.0	3.926	0.053	8	2	1	5
PL.15416	PL.15415	C	6 A (CWC)	7.30Y	121.7	0.01	3.26	2.44	2	17	5	96	0.00	0.0	4.015	0.089	0	0	0	4
PL.15417	PL.15416	C	#2 ACSR	7.30Y	121.7	0.00	3.27	2.44	1	17	5	96	0.00	0.0	4.111	0.095	17	5	4	4
PL.15704	PL.15412	A	6 A (CWC)	7.31Y	121.8	0.00	3.19	6.11	4	43	12	96	0.00	0.0	3.561	0.005	0	0	0	4
PD.2422	PL.15704	A	15T	7.31Y	121.8	0.00	3.19	6.11	0	43	12	96	0.00	0.0	3.561	0.005	0	0	0	4
PL.15705	PD.2422	A	6 A (CWC)	7.31Y	121.8	0.00	3.19	6.11	4	43	12	96	0.00	0.0	3.572	0.010	0	0	0	4
PL.15481	PL.15705	A	6 A (CWC)	7.31Y	121.8	0.00	3.19	1.95	1	14	4	96	0.00	0.0	3.604	0.033	14	4	1	1
PL.15413	PL.15705	A	6 A (CWC)	7.31Y	121.8	0.01	3.20	4.16	3	29	8	96	0.00	0.0	3.651	0.079	18	5	2	3
PL.15418	PL.15413	A	6 A (CWC)	7.31Y	121.8	0.00	3.20	1.57	1	11	3	96	0.00	0.0	3.755	0.104	11	3	1	1
PL.15592	PL.15412	ABC	#1/0 ACSR	7.31Y	121.8	0.02	3.20	13.01	6	275	74	97	0.03	0.0	3.630	0.073	8	2	1	58
PL.15593	PL.15592	ABC	#1/0 ACSR	7.31Y	121.8	0.01	3.21	12.65	6	268	72	97	0.02	0.0	3.676	0.046	0	0	0	57
PL.15419	PL.15593	ABC	#1/0 ACSR	7.31Y	121.8	0.01	3.22	12.65	6	268	72	97	0.01	0.0	3.700	0.024	0	0	0	57
PL.15420	PL.15419	ABC	#1/0 ACSR	7.31Y	121.8	0.01	3.23	12.65	6	268	72	97	0.02	0.0	3.749	0.049	0	0	0	57
PL.15594	PL.15420	ABC	#1/0 ACSR	7.30Y	121.7	0.02	3.25	12.65	6	268	72	97	0.05	0.0	3.861	0.112	12	3	1	57
PL.15595	PL.15594	ABC	#1/0 ACSR	7.30Y	121.7	0.02	3.27	12.10	5	256	69	97	0.03	0.0	3.932	0.071	0	0	1	56
PL.15596	PL.15595	ABC	#1/0 ACSR	7.30Y	121.7	0.01	3.28	12.10	5	256	69	97	0.02	0.0	3.984	0.052	0	0	0	55

KEY-> 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: Booneville

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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.15421	PL.15596	ABC	#1/0 ACSR	7.30Y	121.7	0.02	3.30	11.44	5	242	65	97	0.04	0.0	4.086	0.102	0	0	0	53
PL.15422	PL.15421	ABC	#1/0 ACSR	7.30Y	121.7	0.01	3.31	11.44	5	242	65	97	0.01	0.0	4.122	0.036	0	0	0	53
PL.15679	PL.15422	A	#1/0 ACSR	7.30Y	121.7	0.00	3.31	1.52	1	11	3	96	0.00	0.0	4.127	0.005	0	0	0	1
PD.2407	PL.15679	A	15T	7.30Y	121.7	0.00	3.31	1.52	0	11	3	96	0.00	0.0	4.127	0.005	0	0	0	1
PL.15678	PD.2407	A	#1/0 ACSR	7.30Y	121.7	0.00	3.31	1.52	1	11	3	96	0.00	0.0	4.152	0.026	11	3	1	1
PL.15506	PL.15422	ABC	#1/0 ACSR	7.30Y	121.7	0.01	3.32	10.94	5	231	62	97	0.02	0.0	4.178	0.056	3	1	1	52
PL.15684	PL.15506	ABC	#1/0 ACSR	7.30Y	121.7	0.00	3.32	10.61	5	224	60	97	0.00	0.0	4.182	0.005	0	0	0	50
PL.15685	PL.15684	ABC	#1/0 ACSR	7.30Y	121.7	0.01	3.33	10.61	5	224	60	97	0.02	0.0	4.244	0.062	0	0	0	50
PL.15597	PL.15685	ABC	#1/0 ACSR	7.30Y	121.7	0.01	3.34	10.61	5	224	60	97	0.02	0.0	4.298	0.054	12	3	3	50
PL.15598	PL.15597	ABC	#1/0 ACSR	7.30Y	121.6	0.01	3.35	10.06	4	213	57	97	0.02	0.0	4.365	0.067	0	0	0	47
PL.15423	PL.15598	ABC	#1/0 ACSR	7.30Y	121.6	0.02	3.37	9.52	4	201	54	97	0.02	0.0	4.469	0.104	4	1	2	44
PL.15427	PL.15423	ABC	#1/0 ACSR	7.30Y	121.6	0.01	3.38	9.33	4	197	53	97	0.01	0.0	4.521	0.052	0	0	0	42
PL.15688	PL.15427	A	#1/0 ACSR	7.30Y	121.6	0.00	3.38	0.97	0	7	2	96	0.00	0.0	4.525	0.005	0	0	0	2
PD.2411	PL.15688	A	15T	7.30Y	121.6	0.00	3.38	0.97	0	7	2	96	0.00	0.0	4.525	0.005	0	0	0	2
PL.15689	PD.2411	A	#1/0 ACSR	7.30Y	121.6	0.00	3.38	0.97	0	7	2	96	0.00	0.0	4.552	0.026	7	2	2	2
PL.15428	PL.15427	ABC	#1/0 ACSR	7.30Y	121.6	0.02	3.40	9.01	4	190	51	97	0.02	0.0	4.625	0.104	8	2	1	40
PL.15429	PL.15428	ABC	#1/0 ACSR	7.30Y	121.6	0.01	3.40	8.61	4	182	49	97	0.01	0.0	4.660	0.034	0	0	0	39
PL.15430	PL.15429	ABC	#1/0 ACSR	7.30Y	121.6	0.00	3.41	4.52	2	96	26	97	0.00	0.0	4.715	0.055	0	0	0	24
PL.15690	PL.15430	C	#1/0 ACSR	7.30Y	121.6	0.00	3.41	13.56	6	96	26	97	0.00	0.0	4.720	0.005	0	0	0	24
PD.2413	PL.15690	C	15T	7.30Y	121.6	0.00	3.41	13.56	0	96	26	97	0.00	0.0	4.720	0.005	0	0	0	24
PL.15691	PD.2413	C	#1/0 ACSR	7.30Y	121.6	0.00	3.41	13.56	6	96	26	97	0.00	0.0	4.732	0.012	0	0	0	24
PL.15436	PL.15691	C	6 A (CWC)	7.29Y	121.6	0.03	3.44	13.56	10	96	26	97	0.02	0.0	4.779	0.047	3	1	1	24
PL.15438	PL.15436	C	6 A (CWC)	7.29Y	121.5	0.03	3.47	8.80	6	62	17	96	0.01	0.0	4.842	0.063	0	0	0	16
PL.14543	PL.15438	C	6 A (CWC)	7.29Y	121.5	0.02	3.49	8.80	6	62	17	96	0.01	0.0	4.902	0.060	0	0	0	16
PL.14544	PL.14543	C	6 A (CWC)	7.29Y	121.5	0.04	3.53	8.80	6	62	17	96	0.02	0.0	5.008	0.106	18	5	5	16
PL.14545	PL.14544	C	6 A (CWC)	7.29Y	121.4	0.03	3.56	6.23	4	44	12	96	0.01	0.0	5.113	0.105	0	0	1	11
PL.15445	PL.14545	C	6 A (CWC)	7.29Y	121.4	0.01	3.57	3.01	2	21	6	96	0.00	0.0	5.201	0.089	0	0	2	5
PL.15447	PL.15445	C	#4 ACSR	7.29Y	121.4	0.00	3.57	1.35	1	10	3	96	0.00	0.0	5.262	0.060	0	0	1	2
PL.15450	PL.15447	C	#1/0 ACSR	7.29Y	121.4	0.00	3.57	1.35	1	9	3	95	0.00	0.0	5.288	0.027	9	3	1	1
PL.15446	PL.15445	C	#4 ACSR	7.29Y	121.4	0.00	3.57	1.62	1	11	3	96	0.00	0.0	5.218	0.017	0	0	0	1
PL.15491	PL.15446	C	#4 ACSR	7.29Y	121.4	0.01	3.57	1.62	1	11	3	96	0.00	0.0	5.292	0.074	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: Booneville

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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.15449	PL.15491	C	#4 ACSR	7.29Y	121.4	0.01	3.58	1.62	1	11	3	96	0.00	0.0	5.476	0.184	11	3	1	1
PL.15442	PL.14545	C	6 A (CWC)	7.29Y	121.4	0.00	3.56	1.33	1	9	3	95	0.00	0.0	5.184	0.071	9	3	2	2
PL.15443	PL.14545	C	6 A (CWC)	7.29Y	121.4	0.00	3.56	1.83	1	13	3	97	0.00	0.0	5.159	0.047	0	0	0	3
PL.15610	PL.15443	C	#2 ACSR	7.29Y	121.4	0.00	3.56	1.83	1	13	3	97	0.00	0.0	5.206	0.047	4	1	1	3
PL.15611	PL.15610	C	#2 ACSR	7.29Y	121.4	0.00	3.56	1.20	1	8	2	97	0.00	0.0	5.269	0.062	0	0	1	2
PL.15444	PL.15611	C	#2 ACSR	7.29Y	121.4	0.00	3.57	1.20	1	8	2	97	0.00	0.0	5.414	0.145	8	2	1	1
PL.15437	PL.15436	C	6 A (CWC)	7.29Y	121.5	0.02	3.46	4.36	3	31	8	97	0.00	0.0	4.883	0.104	13	4	5	7
PL.15439	PL.15437	C	#2 ACSR	7.29Y	121.5	0.00	3.46	1.88	1	13	4	96	0.00	0.0	4.941	0.058	13	4	1	1
PL.14546	PL.15437	C	#2 ACSR	7.29Y	121.5	0.00	3.46	0.57	0	4	1	97	0.00	0.0	4.951	0.068	4	1	1	1
PL.15487	PL.15430	ABC	#1/0 ACSR	7.30Y	121.6	0.00	3.41	0.00	0	0	0	100	0.00	0.0	4.779	0.064	0	0	0	0
PL.15483	PL.15429	C	#1/0 ACSR	7.30Y	121.6	0.00	3.40	12.28	5	87	23	97	0.00	0.0	4.664	0.005	0	0	0	15
PD.2412	PL.15483	C	25T	7.30Y	121.6	0.00	3.40	12.28	0	87	23	97	0.00	0.0	4.664	0.005	0	0	0	15
PL.15499	PD.2412	C	#1/0 ACSR	7.30Y	121.6	0.00	3.40	3.27	1	23	6	97	0.00	0.0	4.667	0.002	0	0	0	4
PL.15500	PL.15499	C	#1/0 ACSR	7.30Y	121.6	0.00	3.40	3.27	1	23	6	97	0.00	0.0	4.667	0.000	0	0	0	4
PL.15241	PL.15500	C	#1/0 ACSR	7.30Y	121.6	0.00	3.40	3.27	1	23	6	97	0.00	0.0	4.672	0.005	0	0	0	4
PL.15498	PL.15241	C	#1/0 ACSR	7.30Y	121.6	0.00	3.40	3.27	1	23	6	97	0.00	0.0	4.672	0.000	0	0	0	4
PL.15239	PL.15498	C	#1/0 ACSR	7.30Y	121.6	0.00	3.40	3.27	1	23	6	97	0.00	0.0	4.676	0.004	0	0	0	4
PL.15240	PL.15239	C	#1/0 ACSR	7.30Y	121.6	0.00	3.40	3.27	1	23	6	97	0.00	0.0	4.676	0.000	0	0	0	4
PL.15456	PL.15240	C	#1/0 ACSR	7.30Y	121.6	0.00	3.40	3.27	1	23	6	97	0.00	0.0	4.683	0.007	1	0	1	4
PL.15432	PL.15456	C	#2 ACSR	7.30Y	121.6	0.00	3.41	3.16	2	22	6	96	0.00	0.0	4.708	0.025	0	0	0	3
PL.15433	PL.15432	C	#2 ACSR	7.30Y	121.6	0.00	3.41	3.16	2	22	6	96	0.00	0.0	4.762	0.055	7	2	1	3
PL.15434	PL.15433	C	#1/0 ACSR	7.30Y	121.6	0.00	3.41	2.24	1	16	4	97	0.00	0.0	4.798	0.036	11	3	1	2
PL.27900	PL.15434	C	#1/0 ACSR	7.30Y	121.6	0.00	3.41	0.69	0	5	1	98	0.00	0.0	4.840	0.041	5	1	1	1
PL.15431	PD.2412	C	#1/0 ACSR	7.30Y	121.6	0.00	3.41	9.01	4	64	17	97	0.00	0.0	4.679	0.015	17	5	1	11
PL.15435	PL.15431	C	6 A (CWC)	7.30Y	121.6	0.01	3.42	6.61	5	47	13	96	0.00	0.0	4.711	0.031	0	0	0	10
PL.14547	PL.15435	C	6 A (CWC)	7.29Y	121.6	0.02	3.44	6.61	5	47	12	97	0.01	0.0	4.792	0.081	0	0	0	10
PL.15484	PL.14547	C	6 A (CWC)	7.29Y	121.5	0.03	3.47	5.02	4	35	10	96	0.01	0.0	4.914	0.122	1	0	1	9
PL.14549	PL.15484	C	6 A (CWC)	7.29Y	121.5	0.01	3.48	4.83	3	34	9	97	0.00	0.0	4.954	0.040	0	0	0	8
PL.14550	PL.14549	C	6 A (CWC)	7.29Y	121.5	0.02	3.49	4.83	3	34	9	97	0.00	0.0	5.034	0.080	0	0	0	8
PL.14551	PL.14550	C	#1/0 ACSR	7.29Y	121.5	0.00	3.49	1.05	0	7	2	96	0.00	0.0	5.073	0.039	7	2	1	1
PL.15485	PL.14550	C	6 A (CWC)	7.29Y	121.5	0.02	3.51	3.78	3	27	7	97	0.00	0.0	5.128	0.093	0	0	0	7

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Balanced Voltage Drop Report  
Source: Booneville

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	Length (mi)	-----Element-----			
																KW	KVAR	Cons On	Cons Thru	
PL.14552	PL.15485	C	6 A (CWC)	7.29Y	121.5	0.01	3.52	2.68	2	19	5	97	0.00	0.0	5.189	0.061	0	0	0	5
PL.14553	PL.14552	C	6 A (CWC)	7.29Y	121.5	0.01	3.53	2.68	2	19	5	97	0.00	0.0	5.263	0.074	6	2	3	5
PL.14554	PL.14553	C	6 A (CWC)	7.29Y	121.5	0.01	3.53	1.87	1	13	4	96	0.00	0.0	5.346	0.083	0	0	0	2
PL.14555	PL.14554	C	6 A (CWC)	7.29Y	121.5	0.00	3.53	0.63	0	4	1	97	0.00	0.0	5.364	0.018	0	0	0	1
PL.15486	PL.14555	C	6 A (CWC)	7.29Y	121.5	0.00	3.53	0.00	0	0	0	100	0.00	0.0	5.435	0.072	0	0	0	0
PL.15441	PL.14555	C	#2 ACSR	7.29Y	121.5	0.00	3.53	0.63	0	4	1	97	0.00	0.0	5.424	0.060	4	1	1	1
PL.15440	PL.14554	C	#2 ACSR	7.29Y	121.5	0.00	3.53	1.24	1	9	2	98	0.00	0.0	5.377	0.031	9	2	1	1
PL.15600	PL.15485	C	6 A (CWC)	7.29Y	121.5	0.00	3.51	1.10	1	8	2	97	0.00	0.0	5.176	0.048	3	1	1	2
PL.15599	PL.15600	C	6 A (CWC)	7.29Y	121.5	0.00	3.51	0.64	0	5	1	98	0.00	0.0	5.212	0.036	5	1	1	1
PL.14548	PL.14547	C	6 A (CWC)	7.29Y	121.6	0.00	3.44	1.58	1	11	3	96	0.00	0.0	4.826	0.034	11	3	1	1
PL.15686	PL.15598	A	#2 ACSR	7.30Y	121.6	0.00	3.35	1.62	1	11	3	96	0.00	0.0	4.370	0.005	0	0	0	3
PD.2410	PL.15686	A	15T	7.30Y	121.6	0.00	3.35	1.62	0	11	3	96	0.00	0.0	4.370	0.005	0	0	0	3
PL.15687	PD.2410	A	#2 ACSR	7.30Y	121.6	0.00	3.35	1.62	1	11	3	96	0.00	0.0	4.405	0.035	11	3	2	3
PL.15424	PL.15687	A	6 A (CWC)	7.30Y	121.6	0.00	3.35	0.01	0	0	0	100	0.00	0.0	4.495	0.091	0	0	0	1
PL.15425	PL.15424	A	6 A (CWC)	7.30Y	121.6	0.00	3.35	0.01	0	0	0	100	0.00	0.0	4.657	0.162	0	0	0	1
PL.15482	PL.15425	A	6 A (CWC)	7.30Y	121.6	0.00	3.35	0.01	0	0	0	100	0.00	0.0	4.743	0.086	0	0	1	1
PL.15682	PL.15506	A	#1/0 ACSR	7.30Y	121.7	0.00	3.32	0.50	0	4	1	97	0.00	0.0	4.182	0.005	0	0	0	1
PD.2409	PL.15682	A	15T	7.30Y	121.7	0.00	3.32	0.50	0	4	1	97	0.00	0.0	4.182	0.005	0	0	0	1
PL.15683	PD.2409	A	#1/0 ACSR	7.30Y	121.7	0.00	3.32	0.50	0	4	1	97	0.00	0.0	4.201	0.019	4	1	1	1
PL.15680	PL.15596	A	#4 ACSR	7.30Y	121.7	0.00	3.28	1.95	2	14	4	96	0.00	0.0	3.989	0.005	0	0	0	2
PD.2408	PL.15680	A	15T	7.30Y	121.7	0.00	3.28	1.95	0	14	4	96	0.00	0.0	3.989	0.005	0	0	0	2
PL.15681	PD.2408	A	#4 ACSR	7.30Y	121.7	0.00	3.28	1.95	2	14	4	96	0.00	0.0	4.012	0.024	14	4	2	2
PL.15671	PL.15411	A	#1/0 ACSR	7.31Y	121.9	0.00	3.13	0.00	0	0	0	100	0.00	0.0	3.393	0.005	0	0	0	0
PD.2403	PL.15671	A	15T	7.31Y	121.9	0.00	3.13	0.00	0	0	0	100	0.00	0.0	3.393	0.005	0	0	0	0
PL.15670	PD.2403	A	#1/0 ACSR	7.31Y	121.9	0.00	3.13	0.00	0	0	0	100	0.00	0.0	3.422	0.029	0	0	0	0
PL.15674	PL.15410	C	#1/0 ACSR	7.31Y	121.9	0.00	3.11	2.45	1	17	5	96	0.00	0.0	3.317	0.005	0	0	0	1
PD.2405	PL.15674	C	15T	7.31Y	121.9	0.00	3.11	2.45	0	17	5	96	0.00	0.0	3.317	0.005	0	0	0	1
PL.15675	PD.2405	C	#1/0 ACSR	7.31Y	121.9	0.00	3.11	2.45	1	17	5	96	0.00	0.0	3.357	0.040	17	5	1	1
PL.15662	PL.15387	C	6 A (CWC)	7.33Y	122.2	0.00	2.82	0.78	1	6	1	99	0.00	0.0	2.533	0.005	0	0	0	1
PD.2399	PL.15662	C	65T	7.33Y	122.2	0.00	2.82	0.78	0	6	1	99	0.00	0.0	2.533	0.005	0	0	0	1
PL.15663	PD.2399	C	6 A (CWC)	7.33Y	122.2	0.00	2.82	0.78	1	6	1	99	0.00	0.0	2.541	0.008	0	0	0	1

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

Balanced Voltage Drop Report  
Source: Booneville

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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.15389	PL.15663	C	6 A (CWC)	7.33Y	122.2	0.00	2.82	0.78	1	6	1	99	0.00	0.0	2.556	0.015	0	0	0	1
PL.15390	PL.15389	C	#2 ACSR	7.33Y	122.2	0.00	2.82	0.78	0	6	1	99	0.00	0.0	2.611	0.055	6	1	1	1
PL.15658	PL.15233	A	#2 ACSR	7.34Y	122.3	0.00	2.68	1.79	1	13	3	97	0.00	0.0	2.225	0.005	0	0	0	2
PD.2397	PL.15658	A	65T	7.34Y	122.3	0.00	2.68	1.79	0	13	3	97	0.00	0.0	2.225	0.005	0	0	0	2
PL.15659	PD.2397	A	#2 ACSR	7.34Y	122.3	0.00	2.69	1.79	1	13	3	97	0.00	0.0	2.235	0.009	13	3	2	2
PL.15664	PL.15473	C	#1/0 ACSR	7.34Y	122.3	0.00	2.67	1.42	1	10	3	96	0.00	0.0	2.143	0.005	0	0	0	1
PD.2400	PL.15664	C	65T	7.34Y	122.3	0.00	2.67	1.42	0	10	3	96	0.00	0.0	2.143	0.005	0	0	0	1
PL.15665	PD.2400	C	#1/0 ACSR	7.34Y	122.3	0.00	2.67	1.42	1	10	3	96	0.00	0.0	2.151	0.008	0	0	0	1
PL.15123	PL.15665	C	#1/0 ACSR	7.34Y	122.3	0.00	2.67	1.42	1	10	3	96	0.00	0.0	2.177	0.025	0	0	0	1
PL.15125	PL.15123	C	#1/0 ACSR	7.34Y	122.3	0.00	2.67	1.42	1	10	3	96	0.00	0.0	2.229	0.052	10	3	1	1
PL.15656	PL.15206	C	#2 ACSR	7.34Y	122.3	0.00	2.65	0.00	0	0	0	100	0.00	0.0	2.086	0.005	0	0	0	0
PD.2396	PL.15656	C	65T	7.34Y	122.3	0.00	2.65	0.00	0	0	0	100	0.00	0.0	2.086	0.005	0	0	0	0
PL.15657	PD.2396	C	#2 ACSR	7.34Y	122.3	0.00	2.65	0.00	0	0	0	100	0.00	0.0	2.146	0.059	0	0	0	0
PL.15361	PL.15250	ABC	336 MCM AC	7.35Y	122.4	0.00	2.58	7.60	1	163	40	97	0.00	0.0	1.767	0.016	0	0	0	26
PL.15362	PL.15361	ABC	#1/0 ACSR	7.35Y	122.4	0.01	2.58	7.60	3	163	40	97	0.01	0.0	1.807	0.041	0	0	0	26
PL.15251	PL.15362	ABC	#1/0 ACSR	7.35Y	122.4	0.00	2.58	7.60	3	163	40	97	0.00	0.0	1.810	0.003	0	0	0	26
PD.2437	PL.15251	ABC	70L	7.35Y	122.4	0.00	2.58	7.60	11	163	40	97	0.00	0.0	1.810	0.003	0	0	0	26
PL.15252	PD.2437	ABC	#1/0 ACSR	7.34Y	122.4	0.02	2.60	7.60	3	163	40	97	0.02	0.0	1.929	0.119	6	2	1	26
PL.15564	PL.15252	ABC	#1/0 ACSR	7.34Y	122.4	0.01	2.61	7.33	3	157	38	97	0.01	0.0	1.994	0.065	0	0	1	25
PL.15565	PL.15564	ABC	#1/0 ACSR	7.34Y	122.4	0.01	2.61	7.33	3	157	38	97	0.01	0.0	2.051	0.057	0	0	0	24
PL.15654	PL.15565	C	#1/0 ACSR	7.34Y	122.4	0.00	2.61	19.40	8	138	37	97	0.00	0.0	2.056	0.005	0	0	0	21
PD.2395	PL.15654	C	30T	7.34Y	122.4	0.00	2.61	19.40	0	138	37	97	0.00	0.0	2.056	0.005	0	0	0	21
PL.15655	PD.2395	C	#1/0 ACSR	7.34Y	122.4	0.02	2.63	19.40	8	138	37	97	0.02	0.0	2.099	0.044	0	0	0	21
PL.15370	PL.15655	C	#1/0 ACSR	7.34Y	122.3	0.07	2.70	19.40	8	138	37	97	0.06	0.0	2.252	0.153	0	0	0	21
PL.15369	PL.15370	C	6 A (CWC)	7.34Y	122.3	0.03	2.74	19.40	14	137	37	97	0.04	0.0	2.292	0.040	5	1	1	21
PL.15557	PL.15369	C	6 A (CWC)	7.33Y	122.2	0.03	2.77	18.64	13	132	35	97	0.03	0.0	2.330	0.038	10	3	1	20
PL.15558	PL.15557	C	6 A (CWC)	7.33Y	122.2	0.03	2.80	17.23	12	122	33	97	0.03	0.0	2.367	0.037	7	2	2	19
PL.15374	PL.15558	C	6 A (CWC)	7.33Y	122.2	0.00	2.80	0.00	0	0	0	100	0.00	0.0	2.410	0.043	0	0	0	0
PL.15373	PL.15558	C	6 A (CWC)	7.33Y	122.2	0.02	2.82	16.24	12	115	31	97	0.02	0.0	2.395	0.028	0	0	0	17
PL.15559	PL.15373	C	6 A (CWC)	7.33Y	122.2	0.01	2.83	12.56	9	89	24	97	0.01	0.0	2.421	0.026	18	5	2	14
PL.15561	PL.15559	C	6 A (CWC)	7.33Y	122.2	0.02	2.85	10.00	7	71	19	97	0.01	0.0	2.460	0.039	17	5	2	12

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Balanced Voltage Drop Report  
Source: Booneville

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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.15560	PL.15561	C	6 A (CWC)	7.33Y	122.1	0.01	2.86	7.59	5	54	14	97	0.00	0.0	2.497	0.037	20	5	2	10
PL.15556	PL.15560	C	6 A (CWC)	7.33Y	122.1	0.01	2.86	4.79	3	34	9	97	0.00	0.0	2.523	0.026	8	2	1	8
PL.15376	PL.15556	C	6 A (CWC)	7.33Y	122.1	0.00	2.86	1.84	1	13	3	97	0.00	0.0	2.552	0.029	0	0	0	4
PL.15378	PL.15376	C	6 A (CWC)	7.33Y	122.1	0.01	2.87	1.84	1	13	3	97	0.00	0.0	2.625	0.073	0	0	0	4
PL.15380	PL.15378	C	#2 ACSR	7.33Y	122.1	0.01	2.88	1.84	1	13	3	97	0.00	0.0	2.719	0.093	0	0	0	3
PL.15381	PL.15380	C	#2 ACSR	7.33Y	122.1	0.00	2.88	0.77	0	5	1	98	0.00	0.0	2.807	0.088	5	1	1	1
PL.15472	PL.15380	C	#2 ACSR	7.33Y	122.1	0.00	2.88	1.07	1	8	2	97	0.00	0.0	2.776	0.057	8	2	2	2
PL.15471	PL.15378	C	6 A (CWC)	7.33Y	122.1	0.00	2.87	0.00	0	0	0	100	0.00	0.0	2.662	0.037	0	0	1	1
PL.15379	PL.15471	C	6 A (CWC)	7.33Y	122.1	0.00	2.87	0.00	0	0	0	100	0.00	0.0	2.691	0.029	0	0	0	0
PL.15375	PL.15556	C	#1/0 ACSR	7.33Y	122.1	0.00	2.86	0.23	0	2	0	100	0.00	0.0	2.562	0.039	2	0	1	1
PL.15377	PL.15556	C	#2 ACSR	7.33Y	122.1	0.00	2.86	1.65	1	12	3	97	0.00	0.0	2.558	0.034	11	3	1	2
PL.15382	PL.15377	C	#2 ACSR	7.33Y	122.1	0.00	2.86	0.12	0	1	0	100	0.00	0.0	2.583	0.025	1	0	1	1
PL.15372	PL.15373	C	6 A (CWC)	7.33Y	122.2	0.01	2.82	3.69	3	26	7	97	0.00	0.0	2.431	0.037	8	2	1	3
PL.15371	PL.15372	C	6 A (CWC)	7.33Y	122.2	0.01	2.83	2.60	2	18	5	96	0.00	0.0	2.489	0.058	0	0	0	2
PL.15368	PL.15371	C	6 A (CWC)	7.33Y	122.2	0.00	2.83	2.60	2	18	5	96	0.00	0.0	2.526	0.038	8	2	1	2
PL.15367	PL.15368	C	#2 ACSR	7.33Y	122.2	0.00	2.84	1.40	1	10	3	96	0.00	0.0	2.576	0.050	0	0	0	1
PL.15366	PL.15367	C	#2 ACSR	7.33Y	122.2	0.00	2.84	1.40	1	10	3	96	0.00	0.0	2.619	0.043	10	3	1	1
PL.15470	PL.15565	ABC	#1/0 ACSR	7.34Y	122.4	0.00	2.61	0.88	0	19	1	100	0.00	0.0	2.146	0.096	0	0	0	3
PL.15363	PL.15470	ABC	#1/0 ACSR	7.34Y	122.4	0.00	2.62	0.88	0	19	1	100	0.00	0.0	2.318	0.171	0	0	0	3
PL.15202	PL.15363	ABC	#1/0 ACSR	7.34Y	122.4	0.00	2.62	0.88	0	19	1	100	0.00	0.0	2.490	0.173	6	2	1	3
PL.15364	PL.15202	ABC	#1/0 ACSR	7.34Y	122.4	0.00	2.62	0.61	0	13	0	100	0.00	0.0	2.638	0.148	0	0	0	2
PL.15203	PL.15364	ABC	#1/0 ACSR	7.34Y	122.4	0.00	2.62	0.61	0	13	0	100	0.00	0.0	2.774	0.136	0	0	0	2
PL.15720	PL.15203	ABC	1/0 AL URD	7.34Y	122.4	0.00	2.62	0.61	0	13	0	100	0.00	0.0	2.779	0.005	0	0	0	2
PD.2433	PL.15720	ABC	30T	7.34Y	122.4	0.00	2.62	0.61	0	13	0	100	0.00	0.0	2.779	0.005	0	0	0	2
PL.15721	PD.2433	ABC	1/0 AL URD	7.34Y	122.4	0.00	2.62	0.61	0	13	0	100	0.00	0.0	2.816	0.037	0	0	0	2
PL.15384	PL.15721	A	1/0 AL URD	7.34Y	122.4	0.00	2.62	1.81	1	13	3	97	0.00	0.0	2.919	0.104	13	3	1	1
PL.15383	PL.15721	A	1/0 AL URD	7.34Y	122.4	0.00	2.62	0.08	0	1	0	100	0.00	0.0	2.819	0.003	1	0	1	1
PL.15365	PL.15721	ABC	1/0 AL URD	7.34Y	122.4	-0.00	2.62	-0.14	0	0	-3	0	0.00	0.0	2.937	0.121	0	0	0	0
PL.15204	PL.15365	ABC	1/0 AL URD	7.34Y	122.4	-0.00	2.62	-0.08	0	0	-2	0	0.00	0.0	3.086	0.149	0	0	0	0
PL.15247	PL.15250	A	#2 ACSR	7.35Y	122.4	0.00	2.58	7.90	5	56	15	97	0.00	0.0	1.754	0.003	0	0	0	15
PD.2436	PL.15247	A	50L	7.35Y	122.4	0.00	2.58	7.90	16	56	15	97	0.00	0.0	1.754	0.003	0	0	0	15

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Balanced Voltage Drop Report  
Source: Booneville

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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.15248	PD.2436	A	#2 ACSR	7.34Y	122.4	0.05	2.62	7.90	5	56	15	97	0.02	0.0	1.939	0.186	0	0	0	15
PL.15346	PL.15248	A	6 A (CWC)	7.34Y	122.4	0.02	2.65	7.90	6	56	15	97	0.01	0.0	2.011	0.072	5	1	1	15
PL.15347	PL.15346	A	6 A (CWC)	7.34Y	122.3	0.06	2.70	7.23	5	51	14	96	0.02	0.0	2.188	0.176	0	0	0	14
PL.15197	PL.15347	A	6 A (CWC)	7.34Y	122.3	0.01	2.72	7.23	5	51	14	96	0.01	0.0	2.230	0.042	1	0	1	14
PL.15578	PL.15197	A	6 A (CWC)	7.34Y	122.3	0.02	2.74	7.06	5	50	13	97	0.01	0.0	2.291	0.061	9	3	1	13
PL.15579	PL.15578	A	6 A (CWC)	7.33Y	122.2	0.03	2.77	5.74	4	41	11	97	0.01	0.0	2.403	0.113	0	0	0	12
PL.15348	PL.15579	A	#1/0 ACSR	7.33Y	122.2	0.01	2.77	1.54	1	11	3	96	0.00	0.0	2.566	0.163	0	0	0	2
PL.15198	PL.15348	A	#1/0 ACSR	7.33Y	122.2	0.00	2.77	1.54	1	11	3	96	0.00	0.0	2.688	0.122	11	3	2	2
PL.15349	PL.15579	A	#2 ACSR	7.33Y	122.2	0.00	2.77	1.31	1	9	2	98	0.00	0.0	2.435	0.032	9	2	1	1
PL.15469	PL.15579	A	6 A (CWC)	7.33Y	122.2	0.01	2.78	2.90	2	21	6	96	0.00	0.0	2.513	0.109	0	0	0	9
PL.15350	PL.15469	A	6 A (CWC)	7.33Y	122.2	0.01	2.79	2.90	2	21	6	96	0.00	0.0	2.612	0.100	0	0	0	9
PL.15199	PL.15350	A	6 A (CWC)	7.33Y	122.2	0.02	2.81	2.90	2	21	6	96	0.00	0.0	2.765	0.153	1	0	1	9
PL.15353	PL.15199	A	6 A (CWC)	7.33Y	122.2	0.00	2.82	1.35	1	10	3	96	0.00	0.0	2.828	0.063	0	0	3	6
PL.15355	PL.15353	A	6 A (CWC)	7.33Y	122.2	0.00	2.82	1.35	1	10	3	96	0.00	0.0	2.895	0.066	8	2	1	3
PL.15571	PL.15355	A	#2 ACSR	7.33Y	122.2	0.00	2.82	0.28	0	2	1	89	0.00	0.0	3.010	0.115	0	0	0	2
PL.15572	PL.15571	A	#2 ACSR	7.33Y	122.2	0.00	2.82	0.28	0	2	1	89	0.00	0.0	3.136	0.127	0	0	0	2
PL.15200	PL.15572	A	#2 ACSR	7.33Y	122.2	0.00	2.82	0.28	0	2	1	89	0.00	0.0	3.246	0.109	0	0	0	2
PL.15201	PL.15200	A	#2 ACSR	7.33Y	122.2	0.00	2.82	0.28	0	2	1	89	0.00	0.0	3.420	0.174	2	1	2	2
PL.15352	PL.15199	A	#4 ACSR	7.33Y	122.2	0.00	2.81	0.00	0	0	0	100	0.00	0.0	2.849	0.084	0	0	0	0
PL.15354	PL.15352	A	#4 ACSR	7.33Y	122.2	0.00	2.81	0.00	0	0	0	100	0.00	0.0	2.905	0.055	0	0	0	0
PL.15351	PL.15199	A	6 A (CWC)	7.33Y	122.2	0.00	2.82	1.43	1	10	3	96	0.00	0.0	2.836	0.070	10	3	2	2
PL.15652	PL.15497	C	#1/0 ACSR	7.35Y	122.5	0.00	2.50	2.80	1	20	5	97	0.00	0.0	1.517	0.005	0	0	0	7
PD.2394	PL.15652	C	65T	7.35Y	122.5	0.00	2.50	2.80	0	20	5	97	0.00	0.0	1.517	0.005	0	0	0	7
PL.15653	PD.2394	C	#1/0 ACSR	7.35Y	122.5	0.00	2.50	2.80	1	20	5	97	0.00	0.0	1.557	0.039	1	0	3	7
PL.15232	PL.15653	C	#1/0 ACSR	7.35Y	122.5	0.00	2.50	0.74	0	5	1	98	0.00	0.0	1.602	0.046	5	1	2	2
PL.15562	PL.15653	C	#1/0 ACSR	7.35Y	122.5	0.00	2.51	1.93	1	14	4	96	0.00	0.0	1.624	0.067	0	0	1	2
PL.15563	PL.15562	C	#1/0 ACSR	7.35Y	122.5	0.00	2.51	1.93	1	14	4	96	0.00	0.0	1.718	0.094	14	4	1	1
PL.15098	PL.15210	A	#4 ACSR	7.38Y	123.0	0.00	2.00	1.49	1	11	3	96	0.00	0.0	0.861	0.044	11	3	2	2
PL.15096	PL.15210	ABC	#2 ACSR	7.38Y	123.0	0.00	2.00	0.03	0	1	0	100	0.00	0.0	0.842	0.025	1	0	1	1
PL.15099	PL.15210	A	#1/0 ACSR	7.38Y	123.0	0.01	2.00	5.82	3	42	11	97	0.00	0.0	0.860	0.043	0	0	0	2
PL.15100	PL.15099	A	#1/0 ACSR	7.38Y	123.0	0.00	2.00	0.11	0	1	0	100	0.00	0.0	0.926	0.066	1	0	1	1

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

Balanced Voltage Drop Report  
Source: Booneville

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

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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	Length (mi)	-----Element-----		Cons On	Cons Thru
-----																				
PL.15460	PL.15099	A	#1/0 ACSR	7.38Y	123.0	0.00	2.01	5.71	2	41	11	97	0.00	0.0	0.909	0.049	41	11	1	1
PL.15710	PL.15713	A	#2 ACSR	7.40Y	123.3	0.00	1.71	0.65	0	5	1	98	0.00	0.0	0.678	0.004	0	0	0	1
PD.2426	PL.15710	A	65T	7.40Y	123.3	0.00	1.71	0.65	0	5	1	98	0.00	0.0	0.678	0.004	0	0	0	1
PL.15711	PD.2426	A	#2 ACSR	7.40Y	123.3	0.00	1.71	0.65	0	5	1	98	0.00	0.0	0.697	0.019	5	1	1	1
PL.15092	PL.72521	ABC	#1/0 ACSR	7.50Y	125.0	0.00	0.03	0.00	0	0	0	100	0.00	0.0	0.017	0.006	0	0	0	0
PL.16236	Booneville	ABC	#3/0 ACSR	7.50Y	125.0	0.01	0.01	195.96	65	4174	1419	95	0.25	0.0	0.004	0.004	0	0	0	611
PL.72518	PL.16236	ABC	#3/0 ACSR	7.50Y	125.0	0.01	0.02	195.96	65	4174	1419	95	0.17	0.0	0.007	0.003	0	0	0	611
----- Feeder No. 1 (Lerose F1) Beginning with Device PD.10795 -----																				
PD.10795	PL.72518	ABC	480VWE	7.50Y	125.0	0.00	0.02	195.96	0	4174	1419	95	0.00	0.0	0.007	0.003	0	0	0	611
PL.72519	PD.10795	ABC	#3/0 ACSR	7.50Y	125.0	0.02	0.03	195.96	65	4174	1419	95	0.42	0.0	0.013	0.007	0	0	0	611
PL.14247	PL.72519	ABC	#3/0 ACSR	7.48Y	124.7	0.23	0.26	195.96	65	4173	1418	95	5.72	0.1	0.102	0.089	2	1	1	611
PL.14391	PL.14247	ABC	#3/0 ACSR	7.46Y	124.4	0.33	0.60	195.85	65	4165	1409	95	8.33	0.2	0.231	0.129	0	0	0	610
PL.14395	PL.14391	ABC	#3/0 ACSR	7.44Y	124.1	0.34	0.93	195.73	65	4154	1396	95	8.38	0.2	0.361	0.130	0	0	0	609
PL.14394	PL.14395	ABC	#3/0 ACSR	7.43Y	123.8	0.25	1.18	195.73	65	4146	1384	95	6.18	0.1	0.457	0.096	0	0	0	609
PL.14248	PL.14394	ABC	#3/0 ACSR	7.41Y	123.5	0.30	1.47	195.73	65	4140	1375	95	7.42	0.2	0.573	0.115	0	0	0	609
PL.14393	PL.14248	ABC	#3/0 ACSR	7.40Y	123.3	0.20	1.67	195.73	65	4132	1365	95	5.00	0.1	0.650	0.078	0	0	0	609
PL.14384	PL.14393	ABC	#3/0 ACSR	7.39Y	123.1	0.22	1.90	195.68	65	4126	1357	95	5.65	0.1	0.738	0.088	0	0	0	608
C PL.14250	PL.14384	ABC	#1/0 ACSR	7.35Y	122.5	0.56	2.46	195.68	85	4121	1349	95	15.87	0.4	0.894	0.156	0	0	0	608 C
C PL.14397	PL.14250	ABC	#1/0 ACSR	7.33Y	122.1	0.44	2.90	195.68	85	4105	1334	95	12.53	0.3	1.017	0.123	0	0	0	608 C
PL.14777	PL.14397	ABC	336 MCM AC	7.32Y	122.0	0.11	3.01	193.57	37	4049	1305	95	2.30	0.1	1.089	0.073	4	1	1	604
PL.14778	PL.14777	ABC	336 MCM AC	7.31Y	121.9	0.12	3.13	193.39	37	4043	1298	95	2.52	0.1	1.169	0.080	13	4	1	603
PL.14774	PL.14778	ABC	336 MCM AC	7.31Y	121.8	0.08	3.21	192.77	37	4027	1289	95	1.60	0.0	1.220	0.051	0	0	0	602
PL.14616	PL.14774	ABC	#3/0 ACSR	7.30Y	121.7	0.11	3.32	192.77	64	4026	1285	95	2.80	0.1	1.266	0.045	34	9	7	602
PL.14617	PL.14616	ABC	#3/0 ACSR	7.30Y	121.6	0.04	3.36	166.36	55	3464	1130	95	0.85	0.0	1.284	0.018	0	0	0	496
PL.14763	PL.14617	ABC	#3/0 ACSR	7.29Y	121.5	0.16	3.52	166.36	55	3463	1129	95	3.37	0.1	1.356	0.073	10	3	1	496
PL.15068	PL.14763	ABC	#3/0 ACSR	7.27Y	121.2	0.31	3.83	165.91	55	3450	1122	95	6.58	0.2	1.498	0.142	0	0	0	495
PD.2370-A	PL.15068	ABC	Closed	7.27Y	121.2	0.00	3.83	165.91	0	3443	1112	95	0.00	0.0	1.498	0.142	0	0	0	495
PD.2370-B	PD.2370-A	ABC	Closed	7.27Y	121.2	0.00	3.83	165.91	0	3443	1112	95	0.00	0.0	1.498	0.142	0	0	0	495
PL.15069	PD.2370-B	ABC	#3/0 ACSR	7.26Y	121.0	0.17	4.00	165.91	55	3443	1112	95	3.57	0.1	1.576	0.077	0	0	0	495

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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

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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	Length (mi)	-----Element-----		Cons On	Cons Thru	
-----																					
PL.14614	PL.15069	ABC	#3/0 ACSR	7.25Y	120.8	0.18	4.18	164.29	55	3406	1098	95	3.89	0.1	1.662	0.086	13	4	4	490	
PL.14753	PL.14614	ABC	#3/0 ACSR	7.24Y	120.7	0.09	4.27	126.55	42	2642	770	96	1.44	0.1	1.715	0.054	9	3	2	449	
PL.14754	PL.14753	ABC	#3/0 ACSR	7.24Y	120.6	0.11	4.38	126.09	42	2631	765	96	1.90	0.1	1.786	0.071	0	0	0	447	
PL.14615	PL.14754	ABC	#3/0 ACSR	7.24Y	120.6	0.00	4.38	126.09	42	2629	762	96	0.04	0.0	1.788	0.002	0	0	0	447	
C RG.19	PL.14615	ABC	114.3 KVA	7.47Y	124.5	-3.89	0.49	126.09	84	2629	762	96	percent Boost= 3.12 Tap= 5.0							447	C
PL.14779	RG.19	ABC	#3/0 ACSR	7.47Y	124.5	0.04	0.54	122.15	41	2629	762	96	0.69	0.0	1.816	0.027	4	1	2	447	
PL.14780	PL.14779	ABC	#3/0 ACSR	7.46Y	124.4	0.06	0.59	121.95	41	2624	760	96	0.92	0.0	1.852	0.037	0	0	0	445	
PL.15066	PL.14780	ABC	#2 ACSR	7.46Y	124.4	0.01	0.61	121.95	70	2623	759	96	0.29	0.0	1.857	0.005	0	0	0	445	
PD.2369-A	PL.15066	ABC	Closed	7.46Y	124.4	0.00	0.61	121.95	0	2623	759	96	0.00	0.0	1.857	0.005	0	0	0	445	
PD.2369-B	PD.2369-A	ABC	Closed	7.46Y	124.4	0.00	0.61	121.95	0	2623	759	96	0.00	0.0	1.857	0.005	0	0	0	445	
PL.15067	PD.2369-B	ABC	#2 ACSR	7.45Y	124.2	0.19	0.80	121.95	70	2623	759	96	3.76	0.1	1.919	0.062	0	0	0	445	
PL.14964	PL.15067	A	#2 ACSR	7.45Y	124.2	0.00	0.80	0.72	0	5	1	98	0.00	0.0	1.923	0.004	0	0	0	2	
PD.2316	PL.14964	A	65T	7.45Y	124.2	0.00	0.80	0.72	0	5	1	98	0.00	0.0	1.923	0.004	0	0	0	2	
PL.14965	PD.2316	A	#2 ACSR	7.45Y	124.2	0.00	0.80	0.72	0	5	1	98	0.00	0.0	2.035	0.112	5	1	2	2	
PL.14745	PL.15067	ABC	#2 ACSR	7.45Y	124.1	0.10	0.90	121.58	69	2611	754	96	2.02	0.1	1.952	0.033	0	0	0	441	
PL.15090	PL.14745	ABC	#2 ACSR	7.43Y	123.8	0.26	1.16	121.58	69	2609	753	96	5.14	0.2	2.037	0.085	0	0	0	441	
PL.15091	PL.15090	ABC	#2 ACSR	7.42Y	123.6	0.21	1.37	121.58	69	2604	750	96	4.19	0.2	2.106	0.069	2	0	1	441	
PL.14607	PL.15091	ABC	#2 ACSR	7.41Y	123.5	0.12	1.49	109.52	63	2341	678	96	2.11	0.1	2.149	0.043	0	0	0	390	
PL.14885	PL.14607	ABC	#2 ACSR	7.40Y	123.4	0.11	1.60	108.03	62	2307	668	96	1.87	0.1	2.188	0.039	19	5	2	386	
PL.14886	PL.14885	ABC	#2 ACSR	7.39Y	123.2	0.19	1.79	107.15	61	2286	662	96	3.30	0.1	2.258	0.070	0	0	0	384	
PL.14602	PL.14886	ABC	#2 ACSR	7.38Y	123.0	0.21	2.00	106.69	61	2273	658	96	3.68	0.2	2.337	0.079	0	0	0	382	
PL.15084	PL.14602	ABC	#1/0 ACSR	7.38Y	123.0	0.02	2.02	20.67	9	442	120	97	0.06	0.0	2.389	0.051	0	0	0	70	
PD.2377	PL.15084	ABC	35L	7.38Y	123.0	0.00	2.02	20.67	59	442	120	97	0.00	0.0	2.389	0.051	0	0	0	70	
PL.15085	PD.2377	ABC	#1/0 ACSR	7.38Y	123.0	0.01	2.03	20.67	9	442	120	97	0.02	0.0	2.407	0.018	0	0	0	70	
PL.14883	PL.15085	ABC	#1/0 ACSR	7.38Y	122.9	0.05	2.08	19.63	9	419	114	96	0.14	0.0	2.542	0.136	0	0	1	65	
PL.14884	PL.14883	ABC	#1/0 ACSR	7.37Y	122.9	0.03	2.11	19.62	9	419	113	97	0.09	0.0	2.628	0.086	7	2	1	64	
PL.14882	PL.14884	ABC	#1/0 ACSR	7.37Y	122.9	0.03	2.14	19.27	8	411	111	97	0.09	0.0	2.720	0.093	0	0	0	63	
PL.14880	PL.14882	ABC	#1/0 ACSR	7.37Y	122.8	0.04	2.18	18.76	8	400	108	97	0.10	0.0	2.826	0.106	11	3	2	62	
PL.14881	PL.14880	ABC	#1/0 ACSR	7.37Y	122.8	0.01	2.19	18.26	8	390	105	97	0.03	0.0	2.865	0.038	2	1	2	60	
PL.14879	PL.14881	ABC	#1/0 ACSR	7.37Y	122.8	0.02	2.21	18.16	8	388	105	97	0.05	0.0	2.923	0.059	19	5	3	58	
PL.15012	PL.14879	A	#1/0 ACSR	7.37Y	122.8	0.00	2.21	1.66	1	12	3	97	0.00	0.0	2.927	0.004	0	0	0	1	

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Source: Booneville

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	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.2341	PL.15012	A	15T	7.37Y	122.8	0.00	2.21	1.66	0	12	3	97	0.00	0.0	2.927	0.004	0	0	0	1
PL.15013	PD.2341	A	#1/0 ACSR	7.37Y	122.8	0.00	2.21	1.66	1	12	3	97	0.00	0.0	2.953	0.025	12	3	1	1
PL.14877	PL.14879	ABC	#1/0 ACSR	7.37Y	122.8	0.03	2.23	16.72	7	357	96	97	0.07	0.0	3.013	0.090	7	2	3	54
PL.14878	PL.14877	ABC	#1/0 ACSR	7.37Y	122.8	0.01	2.25	16.41	7	350	95	97	0.03	0.0	3.057	0.043	0	0	0	51
PL.14875	PL.14878	ABC	#1/0 ACSR	7.36Y	122.7	0.01	2.26	15.39	7	328	89	97	0.03	0.0	3.104	0.047	8	2	1	49
PL.14876	PL.14875	ABC	#1/0 ACSR	7.36Y	122.7	0.02	2.28	15.02	7	320	87	96	0.04	0.0	3.171	0.068	11	3	1	48
PL.14873	PL.14876	ABC	#1/0 ACSR	7.36Y	122.7	0.01	2.28	14.49	6	309	84	96	0.01	0.0	3.197	0.025	16	4	1	47
PL.14874	PL.14873	ABC	#1/0 ACSR	7.36Y	122.7	0.02	2.30	13.76	6	293	79	97	0.03	0.0	3.258	0.061	0	0	0	46
PL.14494	PL.14874	ABC	#1/0 ACSR	7.36Y	122.7	0.02	2.32	13.46	6	287	78	96	0.04	0.0	3.350	0.092	0	0	0	44
PL.14871	PL.14494	ABC	#1/0 ACSR	7.36Y	122.7	0.02	2.34	13.34	6	284	77	97	0.04	0.0	3.445	0.095	6	2	2	43
PL.14872	PL.14871	ABC	#1/0 ACSR	7.36Y	122.6	0.02	2.36	13.04	6	278	75	97	0.04	0.0	3.536	0.091	0	0	0	41
PL.14479	PL.14872	ABC	#1/0 ACSR	7.36Y	122.6	0.03	2.40	12.73	6	271	73	97	0.06	0.0	3.670	0.134	0	0	0	39
PL.15004	PL.14479	A	#1/0 ACSR	7.36Y	122.6	0.00	2.40	1.43	1	10	3	96	0.00	0.0	3.674	0.005	0	0	0	1
PD.2337	PL.15004	A	15T	7.36Y	122.6	0.00	2.40	1.43	0	10	3	96	0.00	0.0	3.674	0.005	0	0	0	1
PL.15005	PD.2337	A	#1/0 ACSR	7.36Y	122.6	0.00	2.40	1.43	1	10	3	96	0.00	0.0	3.679	0.005	0	0	0	1
PL.14392	PL.15005	A	#1/0 ACSR	7.36Y	122.6	0.00	2.40	1.43	1	10	3	96	0.00	0.0	3.728	0.049	10	3	1	1
PL.14869	PL.14479	ABC	#1/0 ACSR	7.36Y	122.6	0.01	2.40	12.25	5	261	70	97	0.02	0.0	3.711	0.041	12	3	1	38
PL.14870	PL.14869	ABC	#1/0 ACSR	7.35Y	122.6	0.01	2.42	11.68	5	249	67	97	0.02	0.0	3.775	0.065	3	1	2	37
PL.14868	PL.14870	ABC	#1/0 ACSR	7.35Y	122.6	0.01	2.43	11.52	5	245	66	97	0.02	0.0	3.831	0.055	0	0	0	35
PL.14474	PL.14868	ABC	#1/0 ACSR	7.35Y	122.5	0.03	2.45	11.04	5	235	64	96	0.04	0.0	3.962	0.131	0	0	0	34
PL.14305	PL.14474	ABC	#1/0 ACSR	7.35Y	122.5	0.02	2.48	10.69	5	228	61	97	0.04	0.0	4.083	0.121	0	0	0	32
PL.14866	PL.14305	ABC	#1/0 ACSR	7.35Y	122.5	0.02	2.49	10.69	5	228	61	97	0.02	0.0	4.162	0.079	7	2	1	32
PL.14867	PL.14866	ABC	#1/0 ACSR	7.35Y	122.5	0.03	2.52	10.35	5	220	59	97	0.04	0.0	4.324	0.162	10	3	1	31
PL.14861	PL.14867	ABC	#1/0 ACSR	7.35Y	122.5	0.01	2.53	9.90	4	211	57	97	0.01	0.0	4.361	0.036	7	2	1	30
PL.14860	PL.14861	ABC	#1/0 ACSR	7.35Y	122.5	0.01	2.54	9.57	4	204	55	97	0.01	0.0	4.412	0.052	1	0	1	29
PL.15078	PL.14860	ABC	#1/0 ACSR	7.35Y	122.5	0.00	2.54	0.27	0	6	2	95	0.00	0.0	4.414	0.002	0	0	0	2
PL.15079	PL.15078	ABC	#1/0 ACSR	7.35Y	122.5	0.00	2.54	0.27	0	6	2	95	0.00	0.0	4.441	0.027	0	0	0	2
PL.14308	PL.15079	A	#1/0 ACSR	7.35Y	122.5	0.00	2.54	0.80	0	6	2	95	0.00	0.0	4.466	0.025	0	0	0	2
PL.15024	PL.14308	A	6 A (CWC)	7.35Y	122.5	0.00	2.54	0.80	1	6	2	95	0.00	0.0	4.471	0.005	0	0	0	2
PD.2347	PL.15024	A	20T	7.35Y	122.5	0.00	2.54	0.80	0	6	2	95	0.00	0.0	4.471	0.005	0	0	0	2
PL.15025	PD.2347	A	6 A (CWC)	7.35Y	122.5	0.00	2.54	0.80	1	6	2	95	0.00	0.0	4.558	0.087	0	0	0	2

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Balanced Voltage Drop Report  
Source: Booneville

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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.14406	PL.15025	A	6 A (CWC)	7.35Y	122.5	0.01	2.55	0.80	1	6	2	95	0.00	0.0	4.706	0.148	0	0	0	2
PL.14407	PL.14406	A	6 A (CWC)	7.35Y	122.4	0.01	2.55	0.80	1	6	2	95	0.00	0.0	4.875	0.169	0	0	0	2
PL.14463	PL.14407	A	6 A (CWC)	7.35Y	122.4	0.00	2.56	0.80	1	6	2	95	0.00	0.0	4.998	0.123	0	0	0	2
PL.14309	PL.14463	A	#2 ACSR	7.35Y	122.4	0.00	2.56	0.55	0	4	1	97	0.00	0.0	5.033	0.036	4	1	1	1
PL.14464	PL.14463	A	6 A (CWC)	7.35Y	122.4	0.00	2.56	0.26	0	2	0	100	0.00	0.0	5.076	0.079	2	0	1	1
PL.15080	PL.14860	A	6 A (CWC)	7.35Y	122.5	0.00	2.54	26.62	19	189	51	97	0.00	0.0	4.415	0.003	0	0	0	24
PD.2375	PL.15080	A	35T	7.35Y	122.5	0.00	2.54	26.62	0	189	51	97	0.00	0.0	4.415	0.003	0	0	0	24
PL.15081	PD.2375	A	6 A (CWC)	7.34Y	122.3	0.17	2.71	26.62	19	189	51	97	0.24	0.1	4.552	0.137	0	0	0	24
PL.14311	PL.15081	A	#1/0 ACSR	7.34Y	122.3	0.00	2.71	1.90	1	13	4	96	0.00	0.0	4.571	0.019	13	4	1	1
PL.14910	PL.15081	A	6 A (CWC)	7.33Y	122.2	0.04	2.75	12.47	9	88	24	96	0.03	0.0	4.632	0.080	7	2	1	11
PL.14911	PL.14910	A	6 A (CWC)	7.33Y	122.2	0.04	2.79	11.45	8	81	22	97	0.02	0.0	4.711	0.079	9	2	1	10
PL.14909	PL.14911	A	6 A (CWC)	7.33Y	122.2	0.06	2.85	10.21	7	72	19	97	0.03	0.0	4.835	0.124	0	0	0	9
PL.14312	PL.14909	A	6 A (CWC)	7.33Y	122.2	0.00	2.85	0.00	0	0	0	100	0.00	0.0	4.891	0.056	0	0	0	0
PL.14469	PL.14909	A	6 A (CWC)	7.33Y	122.1	0.05	2.90	10.21	7	72	19	97	0.03	0.0	4.950	0.115	0	0	0	9
PL.14408	PL.14469	A	6 A (CWC)	7.32Y	122.0	0.08	2.98	10.21	7	72	19	97	0.04	0.1	5.127	0.177	0	0	0	9
PL.14473	PL.14408	A	6 A (CWC)	7.32Y	122.0	0.05	3.03	10.21	7	72	19	97	0.03	0.0	5.241	0.115	12	3	2	9
PL.14907	PL.14473	A	6 A (CWC)	7.32Y	121.9	0.04	3.08	8.52	6	60	16	97	0.02	0.0	5.351	0.110	0	0	1	6
PL.14908	PL.14907	A	6 A (CWC)	7.31Y	121.9	0.04	3.12	8.52	6	60	16	97	0.02	0.0	5.462	0.111	0	0	0	5
PL.14314	PL.14908	A	#4 ACSR	7.31Y	121.9	0.00	3.12	1.17	1	8	2	97	0.00	0.0	5.532	0.070	8	2	1	1
PL.14475	PL.14908	A	6 A (CWC)	7.31Y	121.8	0.04	3.16	7.36	5	52	14	97	0.01	0.0	5.571	0.109	0	0	0	4
PL.14905	PL.14475	A	6 A (CWC)	7.31Y	121.8	0.03	3.19	7.36	5	52	14	97	0.01	0.0	5.666	0.096	8	2	1	4
PL.14906	PL.14905	A	6 A (CWC)	7.31Y	121.8	0.05	3.23	6.27	4	44	12	96	0.02	0.0	5.826	0.160	0	0	0	3
PL.14481	PL.14906	A	6 A (CWC)	7.31Y	121.8	0.01	3.24	2.90	2	20	5	97	0.00	0.0	5.902	0.076	0	0	0	2
PL.14316	PL.14481	A	#2 ACSR	7.31Y	121.8	0.01	3.25	1.12	1	8	2	97	0.00	0.0	6.048	0.146	0	0	0	1
PL.14903	PL.14316	A	#2 ACSR	7.30Y	121.7	0.00	3.25	1.12	1	8	2	97	0.00	0.0	6.157	0.109	0	0	0	1
PL.14904	PL.14903	A	#2 ACSR	7.30Y	121.7	0.00	3.25	1.12	1	8	2	97	0.00	0.0	6.201	0.044	8	2	1	1
PL.14478	PL.14481	A	6 A (CWC)	7.30Y	121.7	0.01	3.25	1.78	1	13	3	97	0.00	0.0	6.061	0.159	0	0	0	1
PL.14901	PL.14478	A	6 A (CWC)	7.30Y	121.7	0.00	3.26	1.78	1	13	3	97	0.00	0.0	6.121	0.060	0	0	0	1
PL.14902	PL.14901	A	6 A (CWC)	7.30Y	121.7	0.01	3.27	1.78	1	13	3	97	0.00	0.0	6.271	0.150	0	0	0	1
PL.14317	PL.14902	A	6 A (CWC)	7.30Y	121.7	0.01	3.28	1.78	1	13	3	97	0.00	0.0	6.444	0.172	13	3	1	1
PL.14315	PL.14906	A	#4 ACSR	7.31Y	121.8	0.00	3.23	3.37	3	24	6	97	0.00	0.0	5.855	0.029	24	6	1	1

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.14313	PL.14473	A	#4 ACSR	7.32Y	122.0	0.00	3.03	0.00	0	0	0	100	0.00	0.0	5.297	0.056	0	0	1	1
PL.14310	PL.15081	A	6 A (CWC)	7.33Y	122.2	0.08	2.79	12.24	9	87	23	97	0.05	0.1	4.699	0.147	0	0	0	12
PL.14409	PL.14310	A	6 A (CWC)	7.33Y	122.1	0.09	2.88	12.24	9	87	23	97	0.06	0.1	4.859	0.160	0	0	0	12
PL.14410	PL.14409	A	6 A (CWC)	7.32Y	122.0	0.09	2.97	12.24	9	87	23	97	0.06	0.1	5.025	0.166	0	0	0	12
PL.14858	PL.14410	A	6 A (CWC)	7.32Y	122.0	0.06	3.03	12.24	9	87	23	97	0.04	0.0	5.142	0.117	14	4	1	12
PL.14859	PL.14858	A	6 A (CWC)	7.31Y	121.9	0.08	3.11	10.33	7	73	20	96	0.04	0.1	5.314	0.172	2	1	1	11
PL.14321	PL.14859	A	6 A (CWC)	7.31Y	121.9	0.00	3.11	1.08	1	8	2	97	0.00	0.0	5.354	0.040	0	0	0	1
PL.14320	PL.14321	A	#1/0 ACSR	7.31Y	121.9	0.00	3.12	1.08	0	8	2	97	0.00	0.0	5.465	0.111	8	2	1	1
PL.14318	PL.14859	A	6 A (CWC)	7.31Y	121.9	0.02	3.14	8.92	6	63	17	97	0.01	0.0	5.382	0.069	17	5	1	9
PL.14319	PL.14318	A	6 A (CWC)	7.31Y	121.9	0.01	3.15	6.45	5	46	12	97	0.00	0.0	5.415	0.033	1	0	1	8
PL.14856	PL.14319	A	6 A (CWC)	7.31Y	121.8	0.02	3.16	6.37	5	45	12	97	0.01	0.0	5.472	0.056	3	1	1	7
PL.14857	PL.14856	A	6 A (CWC)	7.31Y	121.8	0.04	3.20	5.88	4	42	11	97	0.01	0.0	5.614	0.142	0	0	0	6
PL.14465	PL.14857	A	6 A (CWC)	7.31Y	121.8	0.02	3.21	5.88	4	42	11	97	0.00	0.0	5.670	0.056	1	0	1	6
PL.25749	PL.14465	A	6 A (CWC)	7.31Y	121.8	0.00	3.22	2.83	2	20	5	97	0.00	0.0	5.695	0.025	12	3	1	3
PL.25748	PL.25749	A	6 A (CWC)	7.31Y	121.8	0.00	3.22	1.12	1	8	2	97	0.00	0.0	5.826	0.131	8	2	1	2
PL.14855	PL.25748	A	6 A (CWC)	7.31Y	121.8	0.00	3.22	0.03	0	0	0	100	0.00	0.0	5.978	0.152	0	0	0	1
PL.14411	PL.14855	A	6 A (CWC)	7.31Y	121.8	0.00	3.22	0.03	0	0	0	100	0.00	0.0	6.118	0.140	0	0	1	1
PL.14998	PL.14465	A	#4 ACSR	7.31Y	121.8	0.02	3.24	2.96	2	21	6	96	0.00	0.0	5.846	0.176	0	0	0	2
PD.2334	PL.14998	A	10T	7.31Y	121.8	0.00	3.24	2.96	0	21	6	96	0.00	0.0	5.846	0.176	0	0	0	2
PL.14999	PD.2334	A	#4 ACSR	7.30Y	121.7	0.02	3.26	2.96	2	21	6	96	0.00	0.0	5.991	0.145	0	0	0	2
PL.14412	PL.14999	A	#4 ACSR	7.30Y	121.7	0.01	3.27	2.96	2	21	6	96	0.00	0.0	6.084	0.093	0	0	0	2
PL.14322	PL.14412	A	#4 ACSR	7.30Y	121.7	0.02	3.29	2.96	2	21	6	96	0.00	0.0	6.227	0.143	0	0	0	2
PL.14413	PL.14322	A	#4 ACSR	7.30Y	121.7	0.02	3.31	2.96	2	21	6	96	0.00	0.0	6.389	0.162	0	0	0	2
PL.14899	PL.14413	A	#4 ACSR	7.30Y	121.7	0.02	3.33	2.96	2	21	6	96	0.00	0.0	6.576	0.186	3	1	1	2
PL.14900	PL.14899	A	#4 ACSR	7.30Y	121.7	0.01	3.34	2.47	2	17	5	96	0.00	0.0	6.649	0.074	0	0	0	1
PL.14898	PL.14900	A	#4 ACSR	7.30Y	121.7	0.00	3.34	2.47	2	17	5	96	0.00	0.0	6.706	0.057	17	5	1	1
PL.15022	PL.14412	A	#4 ACSR	7.30Y	121.7	0.00	3.27	0.00	0	0	0	100	0.00	0.0	6.135	0.051	0	0	0	0
PD.2346	PL.15022	A	10T	7.30Y	121.7	0.00	3.27	0.00	0	0	0	100	0.00	0.0	6.135	0.051	0	0	0	0
PL.15023	PD.2346	A	#4 ACSR	7.30Y	121.7	0.00	3.27	0.00	0	0	0	100	0.00	0.0	6.140	0.005	0	0	0	0
PL.15052	PL.14860	C	#1/0 ACSR	7.35Y	122.5	0.00	2.54	1.10	0	8	2	97	0.00	0.0	4.417	0.005	0	0	0	2
PD.2361	PL.15052	C	15T	7.35Y	122.5	0.00	2.54	1.10	0	8	2	97	0.00	0.0	4.417	0.005	0	0	0	2

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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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.15053	PD.2361	C	#1/0 ACSR	7.35Y	122.5	0.00	2.54	1.10	0	8	2	97	0.00	0.0	4.439	0.022	8	2	2	2
PL.14306	PL.14474	C	#1/0 ACSR	7.35Y	122.5	0.00	2.46	1.04	0	7	2	96	0.00	0.0	3.973	0.011	0	0	0	2
PL.15000	PL.14306	C	#4 ACSR	7.35Y	122.5	0.00	2.46	1.04	1	7	2	96	0.00	0.0	3.978	0.005	0	0	0	2
PD.2335	PL.15000	C	15T	7.35Y	122.5	0.00	2.46	1.04	0	7	2	96	0.00	0.0	3.978	0.005	0	0	0	2
PL.15001	PD.2335	C	#4 ACSR	7.35Y	122.5	0.01	2.46	1.04	1	7	2	96	0.00	0.0	4.162	0.184	0	0	0	2
PL.14307	PL.15001	C	#4 ACSR	7.35Y	122.5	0.00	2.46	0.20	0	1	0	100	0.00	0.0	4.205	0.043	1	0	1	1
PL.14471	PL.15001	C	#4 ACSR	7.35Y	122.5	0.00	2.47	0.84	1	6	2	95	0.00	0.0	4.301	0.139	6	2	1	1
PL.15002	PL.14868	A	#1/0 ACSR	7.35Y	122.6	0.00	2.43	1.46	1	10	3	96	0.00	0.0	3.835	0.005	0	0	0	1
PD.2336	PL.15002	A	15T	7.35Y	122.6	0.00	2.43	1.46	0	10	3	96	0.00	0.0	3.835	0.005	0	0	0	1
PL.15003	PD.2336	A	#1/0 ACSR	7.35Y	122.6	0.00	2.43	1.46	1	10	3	96	0.00	0.0	3.848	0.013	10	3	1	1
PL.15006	PL.14872	C	#1/0 ACSR	7.36Y	122.6	0.00	2.36	0.94	0	7	2	96	0.00	0.0	3.541	0.005	0	0	0	2
PD.2338	PL.15006	C	15T	7.36Y	122.6	0.00	2.36	0.94	0	7	2	96	0.00	0.0	3.541	0.005	0	0	0	2
PL.15007	PD.2338	C	#1/0 ACSR	7.36Y	122.6	0.00	2.36	0.94	0	7	2	96	0.00	0.0	3.559	0.018	7	2	2	2
PL.15062	PL.14494	C	#4 ACSR	7.36Y	122.7	0.00	2.32	0.37	0	3	1	95	0.00	0.0	3.354	0.004	0	0	0	1
PD.2367	PL.15062	C	15T	7.36Y	122.7	0.00	2.32	0.37	0	3	1	95	0.00	0.0	3.354	0.004	0	0	0	1
PL.15063	PD.2367	C	#4 ACSR	7.36Y	122.7	0.00	2.32	0.37	0	3	1	95	0.00	0.0	3.369	0.015	3	1	1	1
PL.15008	PL.14874	A	#2 ACSR	7.36Y	122.7	0.00	2.30	0.79	0	6	2	95	0.00	0.0	3.262	0.004	0	0	0	1
PD.2339	PL.15008	A	15T	7.36Y	122.7	0.00	2.30	0.79	0	6	2	95	0.00	0.0	3.262	0.004	0	0	0	1
PL.15009	PD.2339	A	#2 ACSR	7.36Y	122.7	0.00	2.30	0.79	0	6	2	95	0.00	0.0	3.281	0.020	6	2	1	1
PL.15050	PL.14874	C	#2 ACSR	7.36Y	122.7	0.00	2.30	0.11	0	1	0	100	0.00	0.0	3.263	0.005	0	0	0	1
PD.2360	PL.15050	C	15T	7.36Y	122.7	0.00	2.30	0.11	0	1	0	100	0.00	0.0	3.263	0.005	0	0	0	1
PL.15051	PD.2360	C	#2 ACSR	7.36Y	122.7	0.00	2.30	0.11	0	1	0	100	0.00	0.0	3.272	0.009	1	0	1	1
PL.15010	PL.14878	A	#1/0 ACSR	7.37Y	122.8	0.00	2.25	3.05	1	22	6	96	0.00	0.0	3.061	0.005	0	0	0	2
PD.2340	PL.15010	A	15T	7.37Y	122.8	0.00	2.25	3.05	0	22	6	96	0.00	0.0	3.061	0.005	0	0	0	2
PL.15011	PD.2340	A	#1/0 ACSR	7.37Y	122.8	0.00	2.25	3.05	1	22	6	96	0.00	0.0	3.089	0.027	22	6	2	2
PL.15014	PL.14882	C	#1/0 ACSR	7.37Y	122.9	0.00	2.14	1.53	1	11	3	96	0.00	0.0	2.725	0.005	0	0	0	1
PD.2342	PL.15014	C	15T	7.37Y	122.9	0.00	2.14	1.53	0	11	3	96	0.00	0.0	2.725	0.005	0	0	0	1
PL.15015	PD.2342	C	#1/0 ACSR	7.37Y	122.9	0.00	2.14	1.53	1	11	3	96	0.00	0.0	2.735	0.010	11	3	1	1
PL.15016	PL.15085	C	#1/0 ACSR	7.38Y	123.0	0.00	2.03	3.11	1	22	6	96	0.00	0.0	2.411	0.005	0	0	0	5
PD.2343	PL.15016	C	15T	7.38Y	123.0	0.00	2.03	3.11	0	22	6	96	0.00	0.0	2.411	0.005	0	0	0	5
PL.15017	PD.2343	C	#1/0 ACSR	7.38Y	123.0	0.00	2.03	3.11	1	22	6	96	0.00	0.0	2.446	0.035	22	6	5	5

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-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.14601	PL.14602	ABC	#2 ACSR	7.37Y	122.9	0.08	2.08	86.03	49	1828	536	96	1.11	0.1	2.374	0.037	0	0	0	312
PL.14600	PL.14601	ABC	#2 ACSR	7.36Y	122.7	0.23	2.31	84.88	49	1802	529	96	3.10	0.2	2.479	0.105	0	0	0	307
PL.14794	PL.14600	ABC	#2 ACSR	7.34Y	122.4	0.28	2.59	84.88	49	1799	527	96	3.88	0.2	2.612	0.132	14	4	4	307
PL.14795	PL.14794	ABC	#2 ACSR	7.34Y	122.3	0.11	2.71	84.20	48	1781	521	96	1.51	0.1	2.664	0.052	1	0	1	303
PL.14986	PL.14795	A	6 A (CWC)	7.34Y	122.3	0.00	2.71	1.80	1	13	3	97	0.00	0.0	2.668	0.004	0	0	0	1
PD.2328	PL.14986	A	65T	7.34Y	122.3	0.00	2.71	1.80	0	13	3	97	0.00	0.0	2.668	0.004	0	0	0	1
PL.14987	PD.2328	A	6 A (CWC)	7.34Y	122.3	0.01	2.71	1.80	1	13	3	97	0.00	0.0	2.829	0.161	13	3	1	1
PL.14595	PL.14795	ABC	#2 ACSR	7.33Y	122.1	0.19	2.90	82.83	47	1750	513	96	2.59	0.1	2.757	0.094	38	10	5	299
PL.14984	PL.14595	A	#4 ACSR	7.33Y	122.1	0.00	2.90	3.25	2	23	6	97	0.00	0.0	2.762	0.005	0	0	0	3
PD.2327	PL.14984	A	65T	7.33Y	122.1	0.00	2.90	3.25	0	23	6	97	0.00	0.0	2.762	0.005	0	0	0	3
PL.14985	PD.2327	A	#4 ACSR	7.33Y	122.1	0.00	2.90	3.25	2	23	6	97	0.00	0.0	2.783	0.021	0	0	1	3
PL.14793	PL.14985	A	#4 ACSR	7.33Y	122.1	0.00	2.91	3.25	2	23	6	97	0.00	0.0	2.828	0.046	23	6	2	2
PL.14527	PL.14595	ABC	#2 ACSR	7.32Y	122.0	0.12	3.02	79.96	46	1686	495	96	1.60	0.1	2.819	0.061	8	2	1	291
PL.14522	PL.14527	ABC	#2 ACSR	7.31Y	121.8	0.13	3.16	79.58	45	1677	492	96	1.73	0.1	2.885	0.067	0	0	0	290
PL.14791	PL.14522	ABC	#2 ACSR	7.30Y	121.7	0.15	3.30	79.58	45	1675	491	96	1.87	0.1	2.958	0.073	12	3	1	290
PL.14792	PL.14791	ABC	#2 ACSR	7.30Y	121.6	0.08	3.38	78.99	45	1661	486	96	1.00	0.1	2.997	0.039	0	0	0	289
PL.14704	PL.14792	ABC	#2 ACSR	7.29Y	121.5	0.11	3.49	76.39	44	1605	471	96	1.35	0.1	3.054	0.057	15	4	2	283
PL.14705	PL.14704	ABC	#2 ACSR	7.28Y	121.4	0.11	3.61	75.70	43	1589	466	96	1.40	0.1	3.114	0.060	0	0	0	281
PL.14520	PL.14705	ABC	#2 ACSR	7.27Y	121.2	0.17	3.77	75.12	43	1575	462	96	2.01	0.1	3.200	0.087	0	0	0	279
PL.14515	PL.14520	ABC	#2 ACSR	7.27Y	121.1	0.11	3.88	74.19	42	1553	456	96	1.34	0.1	3.260	0.060	0	0	0	275
PL.14930	PL.14515	C	6 A (CWC)	7.27Y	121.1	0.00	3.89	5.24	4	37	10	97	0.00	0.0	3.264	0.005	0	0	0	7
PD.2299	PL.14930	C	65T	7.27Y	121.1	0.00	3.89	5.24	0	37	10	97	0.00	0.0	3.264	0.005	0	0	0	7
PL.14931	PD.2299	C	6 A (CWC)	7.27Y	121.1	0.02	3.90	5.24	4	37	10	97	0.00	0.0	3.331	0.066	0	0	3	7
PL.14679	PL.14931	C	6 A (CWC)	7.27Y	121.1	0.00	3.90	3.55	3	25	7	96	0.00	0.0	3.368	0.037	19	5	1	2
PL.14680	PL.14679	C	6 A (CWC)	7.27Y	121.1	0.00	3.91	0.79	1	6	1	99	0.00	0.0	3.384	0.016	6	1	1	1
PL.14508	PL.14931	C	6 A (CWC)	7.27Y	121.1	0.00	3.90	1.69	1	12	3	97	0.00	0.0	3.386	0.055	12	3	2	2
PL.14513	PL.14515	ABC	#2 ACSR	7.26Y	120.9	0.19	4.07	72.45	41	1515	445	96	2.21	0.1	3.363	0.103	0	0	0	268
PL.14505	PL.14513	ABC	#2 ACSR	7.24Y	120.7	0.19	4.26	72.45	41	1513	444	96	2.19	0.1	3.464	0.102	2	1	1	268
PL.14677	PL.14505	ABC	#2 ACSR	7.23Y	120.6	0.16	4.42	72.08	41	1503	441	96	1.83	0.1	3.551	0.086	11	3	3	265
PL.14678	PL.14677	ABC	#2 ACSR	7.22Y	120.4	0.18	4.60	71.53	41	1490	437	96	2.10	0.1	3.651	0.100	0	0	0	262
PL.14296	PL.14678	ABC	#1/0 ACSR	7.22Y	120.4	0.00	4.60	7.33	3	143	68	90	0.00	0.0	3.697	0.046	143	68	2	2

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Balanced Voltage Drop Report  
Source: Booneville

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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.14506	PL.14678	ABC	#2 ACSR	7.22Y	120.4	0.04	4.64	64.31	37	1344	367	96	0.40	0.0	3.675	0.024	5	1	2	260
PL.14926	PL.14506	C	6 A (CWC)	7.22Y	120.4	0.00	4.64	8.79	6	61	16	97	0.00	0.0	3.680	0.005	0	0	0	12
PD.2297	PL.14926	C	65T	7.22Y	120.4	0.00	4.64	8.79	0	61	16	97	0.00	0.0	3.680	0.005	0	0	0	12
PL.14927	PD.2297	C	6 A (CWC)	7.22Y	120.3	0.02	4.66	8.79	6	61	16	97	0.01	0.0	3.732	0.052	16	4	2	12
PL.14676	PL.14927	C	6 A (CWC)	7.22Y	120.3	0.01	4.66	6.51	5	45	12	97	0.00	0.0	3.757	0.025	10	3	3	10
PL.14297	PL.14676	C	#4 ACSR	7.22Y	120.3	0.02	4.68	5.08	4	35	10	96	0.00	0.0	3.830	0.073	0	0	0	7
PL.14503	PL.14297	C	#4 ACSR	7.22Y	120.3	0.01	4.69	3.23	2	22	6	96	0.00	0.0	3.882	0.052	0	0	0	5
PL.14683	PL.14503	C	#4 ACSR	7.22Y	120.3	0.00	4.69	2.75	2	19	5	97	0.00	0.0	3.909	0.026	7	2	2	4
PL.14684	PL.14683	C	#4 ACSR	7.22Y	120.3	0.00	4.70	1.76	1	12	3	97	0.00	0.0	3.962	0.053	0	0	1	2
PL.14670	PL.14684	C	#4 ACSR	7.22Y	120.3	0.00	4.70	1.76	1	12	3	97	0.00	0.0	4.009	0.047	12	3	1	1
PL.14504	PL.14503	C	#4 ACSR	7.22Y	120.3	0.00	4.69	0.47	0	3	1	95	0.00	0.0	3.902	0.020	3	1	1	1
PL.14298	PL.14297	C	#4 ACSR	7.22Y	120.3	0.00	4.68	1.86	1	13	3	97	0.00	0.0	3.857	0.027	13	3	2	2
PL.14507	PL.14506	ABC	#2 ACSR	7.22Y	120.3	0.06	4.69	61.13	35	1277	349	96	0.56	0.0	3.711	0.036	0	0	0	246
PL.14510	PL.14507	ABC	#2 ACSR	7.21Y	120.2	0.06	4.75	61.13	35	1277	349	96	0.60	0.0	3.750	0.039	5	1	4	246
PL.14674	PL.14510	ABC	#2 ACSR	7.21Y	120.2	0.08	4.84	60.39	35	1261	344	96	0.80	0.1	3.805	0.054	19	5	5	241
PL.14675	PL.14674	ABC	#2 ACSR	7.21Y	120.1	0.06	4.89	59.46	34	1241	339	96	0.54	0.0	3.843	0.038	12	3	3	236
PL.14673	PL.14675	ABC	#2 ACSR	7.20Y	120.1	0.06	4.95	58.87	34	1228	335	96	0.52	0.0	3.880	0.038	34	9	3	233
PL.14702	PL.14673	ABC	#2 ACSR	7.20Y	120.0	0.09	5.04	57.24	33	1193	326	96	0.87	0.1	3.945	0.065	5	1	1	230
PL.14703	PL.14702	ABC	#2 ACSR	7.19Y	119.9	0.08	5.12	57.01	33	1188	324	96	0.71	0.1	3.998	0.053	8	2	1	229
PL.14701	PL.14703	ABC	#2 ACSR	7.19Y	119.8	0.08	5.19	56.64	32	1179	322	96	0.69	0.1	4.052	0.053	24	6	6	228
PL.14698	PL.14701	ABC	#1/0 ACSR	7.19Y	119.8	0.04	5.23	52.97	23	1102	301	96	0.32	0.0	4.095	0.043	0	0	0	210
PL.14699	PL.14698	ABC	#1/0 ACSR	7.18Y	119.7	0.05	5.29	52.97	23	1102	300	96	0.40	0.0	4.148	0.054	0	0	0	210
PL.14938	PL.14699	C	6 A (CWC)	7.18Y	119.7	0.00	5.29	8.42	6	58	16	96	0.00	0.0	4.153	0.005	0	0	0	9
PD.2303	PL.14938	C	65T	7.18Y	119.7	0.00	5.29	8.42	0	58	16	96	0.00	0.0	4.153	0.005	0	0	0	9
PL.14939	PD.2303	C	6 A (CWC)	7.18Y	119.7	0.01	5.30	8.42	6	58	16	96	0.00	0.0	4.197	0.044	31	8	5	9
PL.14697	PL.14939	C	6 A (CWC)	7.18Y	119.7	0.01	5.31	4.02	3	28	7	97	0.00	0.0	4.236	0.039	12	3	2	4
PL.14516	PL.14697	C	#4 ACSR	7.18Y	119.7	0.00	5.31	2.28	2	16	4	97	0.00	0.0	4.272	0.036	0	0	0	2
PL.14303	PL.14516	C	#4 ACSR	7.18Y	119.7	0.00	5.31	1.10	1	8	2	97	0.00	0.0	4.312	0.040	8	2	1	1
PL.14517	PL.14516	C	#4 ACSR	7.18Y	119.7	0.00	5.31	1.18	1	8	2	97	0.00	0.0	4.304	0.032	8	2	1	1
PL.14695	PL.14699	ABC	#2 ACSR	7.18Y	119.7	0.04	5.33	50.16	29	1043	284	96	0.35	0.0	4.183	0.035	44	12	4	201
PL.14696	PL.14695	ABC	#2 ACSR	7.18Y	119.6	0.07	5.40	48.02	27	998	272	96	0.52	0.1	4.240	0.057	33	9	5	197

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Balanced Voltage Drop Report  
Source: Booneville

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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.14523	PL.14696	ABC	#2 ACSR	7.17Y	119.6	0.05	5.44	46.41	27	964	263	96	0.34	0.0	4.279	0.039	10	3	4	192
PL.14300	PL.14523	C	#2 ACSR	7.17Y	119.6	0.00	5.44	1.63	1	11	3	96	0.00	0.0	4.311	0.032	11	3	2	2
PL.14525	PL.14523	ABC	#2 ACSR	7.17Y	119.5	0.04	5.48	45.37	26	942	257	96	0.32	0.0	4.317	0.038	22	6	3	186
PL.14693	PL.14525	ABC	#2 ACSR	7.17Y	119.5	0.03	5.51	43.05	25	893	244	96	0.19	0.0	4.342	0.025	7	2	1	178
PL.14694	PL.14693	ABC	#2 ACSR	7.17Y	119.4	0.05	5.56	42.69	24	886	242	96	0.36	0.0	4.390	0.048	4	1	2	177
PL.14687	PL.14694	ABC	#2 ACSR	7.16Y	119.4	0.04	5.61	42.50	24	881	240	96	0.29	0.0	4.429	0.039	0	0	0	175
PL.14932	PL.14687	C	#2 ACSR	7.16Y	119.4	0.00	5.61	2.24	1	16	4	97	0.00	0.0	4.434	0.005	0	0	0	2
PD.2300	PL.14932	C	65T	7.16Y	119.4	0.00	5.61	2.24	0	16	4	97	0.00	0.0	4.434	0.005	0	0	0	2
PL.14933	PD.2300	C	#2 ACSR	7.16Y	119.4	0.00	5.61	2.24	1	16	4	97	0.00	0.0	4.471	0.037	16	4	2	2
PL.14596	PL.14687	ABC	#1/0 ACSR	7.16Y	119.4	0.04	5.64	41.17	18	854	233	96	0.23	0.0	4.479	0.050	0	0	0	170
PL.14597	PL.14596	ABC	#1/0 ACSR	7.16Y	119.4	0.00	5.64	1.42	1	29	8	96	0.00	0.0	4.510	0.031	0	0	0	4
PL.14688	PL.14597	ABC	#2 ACSR	7.16Y	119.4	0.00	5.65	1.42	1	29	8	96	0.00	0.0	4.556	0.045	1	0	1	4
PL.14689	PL.14688	ABC	#2 ACSR	7.16Y	119.3	0.01	5.65	1.38	1	29	8	96	0.00	0.0	4.707	0.152	0	0	0	3
PL.14620	PL.14689	ABC	#2 ACSR	7.16Y	119.3	0.00	5.65	0.94	1	19	5	97	0.00	0.0	4.812	0.105	0	0	0	2
PL.14623	PL.14620	ABC	#2 ACSR	7.16Y	119.3	0.00	5.65	0.00	0	0	0	100	0.00	0.0	4.923	0.111	0	0	0	1
PL.15048	PL.14623	C	#2 ACSR	7.16Y	119.3	0.00	5.65	0.00	0	0	0	100	0.00	0.0	4.927	0.005	0	0	0	1
PD.2359	PL.15048	C	65T	7.16Y	119.3	0.00	5.65	0.00	0	0	0	100	0.00	0.0	4.927	0.005	0	0	0	1
PL.15049	PD.2359	C	#2 ACSR	7.16Y	119.3	0.00	5.65	0.00	0	0	0	100	0.00	0.0	4.998	0.071	0	0	1	1
PL.14624	PL.14623	ABC	#2 ACSR	7.16Y	119.3	0.00	5.65	0.00	0	0	0	100	0.00	0.0	5.006	0.083	0	0	0	0
PL.12997	PL.14624	ABC	#2 ACSR	7.16Y	119.3	0.00	5.65	0.00	0	0	0	100	0.00	0.0	5.011	0.005	0	0	0	0
PD.2221-B	PL.12997	ABC	Open	7.16Y	119.3	0.00	5.65	0.00	0	0	0	100	0.00	0.0	5.011	0.005	0	0	0	0
PL.14936	PL.14620	A	6 A (CWC)	7.16Y	119.3	0.00	5.65	2.81	2	19	5	97	0.00	0.0	4.817	0.005	0	0	0	1
PD.2302	PL.14936	A	65T	7.16Y	119.3	0.00	5.65	2.81	0	19	5	97	0.00	0.0	4.817	0.005	0	0	0	1
PL.14937	PD.2302	A	6 A (CWC)	7.16Y	119.3	0.00	5.66	2.81	2	19	5	97	0.00	0.0	4.877	0.060	19	5	1	1
PL.14934	PL.14689	A	6 A (CWC)	7.16Y	119.3	0.00	5.65	1.33	1	9	2	98	0.00	0.0	4.712	0.005	0	0	0	1
PD.2301	PL.14934	A	65T	7.16Y	119.3	0.00	5.65	1.33	0	9	2	98	0.00	0.0	4.712	0.005	0	0	0	1
PL.14935	PD.2301	A	6 A (CWC)	7.16Y	119.3	0.00	5.65	1.33	1	9	2	98	0.00	0.0	4.740	0.028	9	2	1	1
PL.15086	PL.14596	ABC	#1/0 ACSR	7.16Y	119.3	0.03	5.68	39.75	17	824	225	96	0.21	0.0	4.528	0.049	0	0	0	166
C PD.2378	PL.15086	ABC	50L	7.16Y	119.3	0.00	5.68	39.75	80	824	225	96	0.00	0.0	4.528	0.049	0	0	0	166 C
PL.15087	PD.2378	ABC	#1/0 ACSR	7.16Y	119.3	0.02	5.70	39.75	17	824	225	96	0.12	0.0	4.558	0.030	0	0	1	166
PL.14685	PL.15087	B	#2 ACSR	7.16Y	119.3	0.00	5.70	1.28	1	9	2	98	0.00	0.0	4.575	0.017	9	2	1	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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.14686	PL.14685	B	#2 ACSR	7.16Y	119.3	0.00	5.70	0.01	0	0	0	100	0.00	0.0	4.603	0.027	0	0	1	1
PL.14529	PL.15087	ABC	#1/0 ACSR	7.16Y	119.3	0.05	5.75	39.31	17	814	222	96	0.29	0.0	4.629	0.071	0	0	0	163
PL.14524	PL.14529	ABC	#1/0 ACSR	7.15Y	119.2	0.06	5.81	39.31	17	814	222	96	0.37	0.0	4.719	0.090	0	0	0	163
PL.14533	PL.14524	ABC	#1/0 ACSR	7.15Y	119.1	0.07	5.88	29.28	13	606	165	96	0.31	0.1	4.854	0.135	4	1	1	115
PL.14534	PL.14533	ABC	#1/0 ACSR	7.15Y	119.1	0.03	5.91	29.10	13	602	164	96	0.11	0.0	4.905	0.051	0	0	0	114
PL.14535	PL.14534	ABC	#1/0 ACSR	7.14Y	119.1	0.02	5.93	29.10	13	602	164	96	0.10	0.0	4.949	0.044	0	0	1	114
PL.14536	PL.14535	ABC	#1/0 ACSR	7.14Y	119.0	0.02	5.96	29.08	13	601	164	96	0.09	0.0	4.991	0.042	6	2	1	113
PL.14537	PL.14536	ABC	#1/0 ACSR	7.14Y	119.0	0.02	5.98	28.81	13	596	162	96	0.09	0.0	5.031	0.041	0	0	0	112
PL.14335	PL.14537	A	#4 ACSR	7.14Y	119.0	0.00	5.98	1.59	1	11	3	96	0.00	0.0	5.050	0.018	11	3	1	1
PL.14538	PL.14537	ABC	#1/0 ACSR	7.14Y	119.0	0.03	6.01	28.28	12	585	159	96	0.12	0.0	5.090	0.058	15	4	2	111
PL.14539	PL.14538	ABC	#1/0 ACSR	7.14Y	119.0	0.02	6.03	27.54	12	569	155	96	0.09	0.0	5.132	0.042	6	2	1	109
PL.14502	PL.14539	ABC	#1/0 ACSR	7.14Y	119.0	0.02	6.05	27.23	12	563	153	97	0.08	0.0	5.171	0.039	0	0	0	108
PL.14824	PL.14502	ABC	#1/0 ACSR	7.14Y	118.9	0.02	6.06	22.35	10	462	126	96	0.05	0.0	5.210	0.039	16	4	2	87
PL.14825	PL.14824	ABC	#1/0 ACSR	7.14Y	118.9	0.02	6.08	21.58	9	446	121	97	0.05	0.0	5.252	0.041	6	2	1	85
PL.14826	PL.14825	ABC	#1/0 ACSR	7.13Y	118.9	0.01	6.09	21.28	9	439	120	96	0.05	0.0	5.290	0.038	4	1	1	84
PL.14827	PL.14826	ABC	#1/0 ACSR	7.13Y	118.9	0.02	6.11	21.09	9	436	119	96	0.06	0.0	5.344	0.054	0	0	0	83
PL.14828	PL.14827	ABC	#1/0 ACSR	7.13Y	118.9	0.01	6.13	21.09	9	436	119	96	0.04	0.0	5.379	0.036	5	1	1	83
PL.14829	PL.14828	ABC	#1/0 ACSR	7.13Y	118.9	0.02	6.15	20.84	9	430	117	96	0.07	0.0	5.436	0.057	0	0	0	82
PL.14830	PL.14829	ABC	#1/0 ACSR	7.13Y	118.8	0.02	6.17	20.34	9	420	114	97	0.07	0.0	5.497	0.061	2	1	1	81
PL.14831	PL.14830	ABC	#1/0 ACSR	7.13Y	118.8	0.02	6.19	20.23	9	417	114	96	0.06	0.0	5.550	0.053	0	0	0	80
PL.14832	PL.14831	ABC	#1/0 ACSR	7.13Y	118.8	0.04	6.22	20.23	9	417	114	96	0.11	0.0	5.650	0.100	4	1	1	80
PL.14833	PL.14832	ABC	#1/0 ACSR	7.12Y	118.7	0.05	6.27	20.01	9	413	112	97	0.14	0.0	5.780	0.130	7	2	2	79
PL.14834	PL.14833	ABC	#1/0 ACSR	7.12Y	118.7	0.02	6.29	19.65	9	405	110	97	0.07	0.0	5.846	0.066	0	0	1	77
PL.14835	PL.14834	ABC	#1/0 ACSR	7.12Y	118.7	0.04	6.33	19.63	9	405	110	97	0.10	0.0	5.948	0.102	4	1	1	76
PL.14836	PL.14835	ABC	#1/0 ACSR	7.12Y	118.6	0.02	6.35	19.44	8	401	109	96	0.07	0.0	6.015	0.067	1	0	2	75
PL.14837	PL.14836	ABC	#1/0 ACSR	7.12Y	118.6	0.03	6.38	19.36	8	399	108	97	0.09	0.0	6.103	0.088	8	2	1	73
PL.14838	PL.14837	ABC	#1/0 ACSR	7.12Y	118.6	0.02	6.41	18.97	8	391	106	97	0.06	0.0	6.167	0.065	0	0	0	72
PL.14990	PL.14838	C	#2 ACSR	7.12Y	118.6	0.00	6.41	0.03	0	0	0	100	0.00	0.0	6.172	0.005	0	0	0	1
PD.2330	PL.14990	C	20T	7.12Y	118.6	0.00	6.41	0.03	0	0	0	100	0.00	0.0	6.172	0.005	0	0	0	1
PL.14991	PD.2330	C	#2 ACSR	7.12Y	118.6	0.00	6.41	0.03	0	0	0	100	0.00	0.0	6.214	0.041	0	0	1	1
PL.14472	PL.14838	ABC	#1/0 ACSR	7.11Y	118.6	0.04	6.44	18.96	8	391	106	97	0.11	0.0	6.281	0.113	2	1	1	71

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Balanced Voltage Drop Report  
Source: Booneville

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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.14992	PL.14472	C	#2 ACSR	7.11Y	118.6	0.00	6.45	6.09	3	42	11	97	0.00	0.0	6.285	0.005	0	0	0	4
PD.2331	PL.14992	C	20T	7.11Y	118.6	0.00	6.45	6.09	0	42	11	97	0.00	0.0	6.285	0.005	0	0	0	4
PL.14993	PD.2331	C	#2 ACSR	7.11Y	118.5	0.02	6.46	6.09	3	42	11	97	0.00	0.0	6.399	0.114	23	6	2	4
PL.14840	PL.14993	C	#2 ACSR	7.11Y	118.5	0.00	6.46	2.68	2	18	5	96	0.00	0.0	6.441	0.042	0	0	1	2
PL.14839	PL.14840	C	#2 ACSR	7.11Y	118.5	0.01	6.47	2.63	2	18	5	96	0.00	0.0	6.584	0.143	18	5	1	1
PL.14470	PL.14472	ABC	#1/0 ACSR	7.11Y	118.5	0.02	6.46	16.82	7	346	94	97	0.05	0.0	6.343	0.063	0	0	0	66
PL.14338	PL.14470	C	#4 ACSR	7.11Y	118.5	0.00	6.46	0.59	0	4	1	97	0.00	0.0	6.376	0.032	4	1	1	1
PL.14468	PL.14470	ABC	#1/0 ACSR	7.11Y	118.5	0.05	6.51	16.62	7	342	93	96	0.12	0.0	6.510	0.166	0	0	0	65
PL.14841	PL.14468	ABC	#1/0 ACSR	7.11Y	118.5	0.01	6.52	16.38	7	337	91	97	0.03	0.0	6.548	0.038	5	1	1	64
PL.14842	PL.14841	ABC	#1/0 ACSR	7.11Y	118.5	0.02	6.54	16.14	7	332	90	97	0.04	0.0	6.607	0.059	17	5	1	63
PL.14843	PL.14842	ABC	#1/0 ACSR	7.11Y	118.4	0.04	6.58	14.55	6	300	81	97	0.08	0.0	6.762	0.155	14	4	1	61
PL.14844	PL.14843	ABC	#1/0 ACSR	7.10Y	118.4	0.02	6.60	13.86	6	285	77	97	0.05	0.0	6.852	0.090	8	2	2	60
PL.14845	PL.14844	ABC	#1/0 ACSR	7.10Y	118.4	0.02	6.63	13.46	6	277	75	97	0.05	0.0	6.953	0.101	7	2	2	58
PL.14846	PL.14845	ABC	#1/0 ACSR	7.10Y	118.3	0.04	6.67	13.11	6	270	73	97	0.08	0.0	7.139	0.186	0	0	1	56
PL.14847	PL.14846	ABC	#1/0 ACSR	7.10Y	118.3	0.03	6.70	13.11	6	269	73	97	0.06	0.0	7.263	0.124	0	0	0	55
PL.14426	PL.14847	ABC	#1/0 ACSR	7.10Y	118.3	0.03	6.73	13.11	6	269	73	97	0.05	0.0	7.373	0.109	0	0	0	55
PL.14427	PL.14426	ABC	#1/0 ACSR	7.10Y	118.3	0.02	6.75	13.11	6	269	73	97	0.05	0.0	7.472	0.100	0	0	0	55
PL.14428	PL.14427	ABC	#1/0 ACSR	7.09Y	118.2	0.03	6.77	13.11	6	269	73	97	0.05	0.0	7.579	0.106	0	0	0	55
PL.14461	PL.14428	ABC	#1/0 ACSR	7.09Y	118.2	0.01	6.79	13.11	6	269	73	97	0.03	0.0	7.633	0.055	0	0	0	55
PL.14462	PL.14461	ABC	#1/0 ACSR	7.09Y	118.2	0.02	6.81	12.50	5	257	69	97	0.05	0.0	7.742	0.109	0	0	0	54
PL.14429	PL.14462	ABC	#1/0 ACSR	7.09Y	118.2	0.03	6.84	12.50	5	257	69	97	0.05	0.0	7.857	0.114	0	0	0	54
PL.14459	PL.14429	ABC	#1/0 ACSR	7.09Y	118.1	0.01	6.85	12.50	5	257	69	97	0.02	0.0	7.917	0.060	0	0	0	54
PL.14340	PL.14459	A	#4 ACSR	7.09Y	118.1	0.00	6.85	1.17	1	8	2	97	0.00	0.0	7.948	0.032	8	2	1	1
PL.14460	PL.14459	ABC	#1/0 ACSR	7.09Y	118.1	0.03	6.89	12.11	5	249	67	97	0.06	0.0	8.074	0.158	3	1	1	53
PL.14848	PL.14460	ABC	#1/0 ACSR	7.09Y	118.1	0.03	6.92	11.97	5	246	66	97	0.05	0.0	8.217	0.142	2	0	1	52
PL.14849	PL.14848	ABC	#1/0 ACSR	7.08Y	118.1	0.02	6.94	11.89	5	244	66	97	0.04	0.0	8.316	0.099	0	0	0	51
PL.15070	PL.14849	A	6 A (CWC)	7.08Y	118.1	0.00	6.94	11.26	8	77	21	96	0.00	0.0	8.319	0.003	0	0	0	16
PD.2371	PL.15070	A	35L	7.08Y	118.1	0.00	6.94	11.26	32	77	21	96	0.00	0.0	8.319	0.003	0	0	0	16
PL.15071	PD.2371	A	6 A (CWC)	7.08Y	118.0	0.02	6.96	11.26	8	77	21	96	0.01	0.0	8.357	0.038	7	2	1	16
PL.14343	PL.15071	A	#4 ACSR	7.08Y	118.0	0.00	6.96	0.07	0	0	0	100	0.00	0.0	8.405	0.048	0	0	2	2
PL.14452	PL.15071	A	6 A (CWC)	7.08Y	118.0	0.04	7.00	10.16	7	69	19	96	0.02	0.0	8.442	0.085	0	0	0	13

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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

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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	Length (mi)	-----Element-----		Cons On	Cons Thru
-----																				
L PL.14457	PL.14452	A	6 A (CWC)	7.08Y	118.0	0.04	7.04	10.16	7	69	19	96	0.02	0.0	8.528	0.086	1	0	1	13 L
L PL.14455	PL.14457	A	#4 ACSR	7.08Y	117.9	0.03	7.07	5.63	4	38	10	97	0.01	0.0	8.651	0.122	0	0	0	7 L
L PL.14456	PL.14455	A	#4 ACSR	7.08Y	117.9	0.01	7.08	2.84	2	19	5	97	0.00	0.0	8.749	0.099	0	0	0	5 L
L PL.14454	PL.14456	A	#4 ACSR	7.07Y	117.9	0.01	7.09	1.92	1	13	4	96	0.00	0.0	8.838	0.089	5	1	1	4 L
L PL.14342	PL.14454	A	#4 ACSR	7.07Y	117.9	0.01	7.09	1.13	1	8	2	97	0.00	0.0	8.973	0.135	0	0	0	3 L
L PL.14430	PL.14342	A	#4 ACSR	7.07Y	117.9	0.00	7.10	1.13	1	8	2	97	0.00	0.0	9.052	0.079	0	0	0	3 L
L PL.14666	PL.14430	A	#4 ACSR	7.07Y	117.9	0.00	7.10	1.13	1	8	2	97	0.00	0.0	9.172	0.120	7	2	1	3 L
L PL.14667	PL.14666	A	#4 ACSR	7.07Y	117.9	0.00	7.10	0.05	0	0	0	100	0.00	0.0	9.219	0.047	0	0	1	2 L
L PL.14453	PL.14667	A	#4 ACSR	7.07Y	117.9	0.00	7.10	0.00	0	0	0	100	0.00	0.0	9.387	0.168	0	0	0	0 L
L PL.14431	PL.14453	A	#4 ACSR	7.07Y	117.9	0.00	7.10	0.00	0	0	0	100	0.00	0.0	9.508	0.121	0	0	0	0 L
L PL.14345	PL.14667	A	#4 ACSR	7.07Y	117.9	0.00	7.10	0.02	0	0	0	100	0.00	0.0	9.257	0.039	0	0	1	1 L
L PL.14344	PL.14456	A	#4 ACSR	7.08Y	117.9	0.00	7.08	0.92	1	6	2	95	0.00	0.0	8.793	0.043	6	2	1	1 L
L PL.14661	PL.14455	A	#4 ACSR	7.08Y	117.9	0.00	7.07	2.79	2	19	5	97	0.00	0.0	8.702	0.052	9	2	1	2 L
L PL.14662	PL.14661	A	#4 ACSR	7.08Y	117.9	0.00	7.07	1.44	1	10	3	96	0.00	0.0	8.726	0.024	10	3	1	1 L
L PL.14458	PL.14457	A	6 A (CWC)	7.08Y	117.9	0.02	7.05	4.36	3	30	8	97	0.00	0.0	8.609	0.081	0	0	0	5 L
L PL.14663	PL.14458	A	6 A (CWC)	7.08Y	117.9	0.02	7.07	4.36	3	30	8	97	0.00	0.0	8.735	0.126	9	2	1	5 L
L PL.14664	PL.14663	A	6 A (CWC)	7.07Y	117.9	0.02	7.09	3.06	2	21	6	96	0.00	0.0	8.857	0.122	0	0	0	4 L
L PL.14850	PL.14664	A	6 A (CWC)	7.07Y	117.9	0.01	7.10	2.72	2	19	5	97	0.00	0.0	8.920	0.063	5	1	1	2 L
L PL.14851	PL.14850	A	6 A (CWC)	7.07Y	117.9	0.01	7.11	2.00	1	14	4	96	0.00	0.0	9.104	0.183	14	4	1	1 L
L PL.14665	PL.14851	A	6 A (CWC)	7.07Y	117.9	0.00	7.11	0.00	0	0	0	100	0.00	0.0	9.211	0.107	0	0	0	0 L
L PL.14852	PL.14664	A	#4 ACSR	7.07Y	117.9	0.00	7.09	0.34	0	2	1	89	0.00	0.0	8.880	0.023	2	1	1	2 L
L PL.27920	PL.14852	A	#4 ACSR	7.07Y	117.9	0.00	7.09	0.03	0	0	0	100	0.00	0.0	8.935	0.055	0	0	1	1 L
L PL.27921	PL.27920	A	#4 ACSR	7.07Y	117.9	0.00	7.09	0.00	0	0	0	100	0.00	0.0	9.041	0.106	0	0	0	0 L
PL.14341	PL.14849	C	6 A (CWC)	7.08Y	118.0	0.02	6.96	24.41	17	167	45	97	0.03	0.0	8.337	0.021	0	0	0	35
PL.15072	PL.14341	C	#1/0 ACSR	7.08Y	118.0	0.03	6.99	24.41	11	167	45	97	0.03	0.0	8.384	0.047	0	0	0	35
PD.2372	PL.15072	C	35L	7.08Y	118.0	0.00	6.99	24.41	70	167	45	97	0.00	0.0	8.384	0.047	0	0	0	35
L PL.15073	PD.2372	C	#1/0 ACSR	7.08Y	118.0	0.04	7.03	24.41	11	167	45	97	0.05	0.0	8.458	0.074	0	0	0	35 L
L PL.14451	PL.15073	C	#1/0 ACSR	7.08Y	117.9	0.04	7.07	22.76	10	156	42	97	0.04	0.0	8.534	0.076	0	0	0	33 L
L PL.14348	PL.14451	C	#1/0 ACSR	7.08Y	117.9	0.00	7.07	0.82	0	6	2	95	0.00	0.0	8.562	0.027	6	2	1	1 L
L PL.14347	PL.14451	C	#1/0 ACSR	7.08Y	117.9	0.01	7.08	21.94	10	150	40	97	0.01	0.0	8.558	0.024	11	3	1	32 L
L PL.14650	PL.14347	C	6 A (CWC)	7.07Y	117.9	0.07	7.15	20.29	14	139	37	97	0.07	0.1	8.633	0.075	9	2	1	31 L

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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	Length (mi)	-----Element-----		Cons On	Cons Thru
L PL.14651	PL.14650	C	6 A (CWC)	7.06Y	117.7	0.11	7.26	18.96	14	129	35	97	0.11	0.1	8.762	0.128	0	0	0	30 L
L PL.14648	PL.14651	C	6 A (CWC)	7.06Y	117.7	0.06	7.32	14.84	11	101	27	97	0.05	0.0	8.852	0.090	7	2	1	21 L
L PL.14649	PL.14648	C	6 A (CWC)	7.06Y	117.6	0.05	7.36	13.75	10	94	25	97	0.03	0.0	8.927	0.075	0	0	0	20 L
L PL.14355	PL.14649	C	6 A (CWC)	7.06Y	117.6	0.01	7.37	13.75	10	94	25	97	0.01	0.0	8.942	0.015	5	1	2	20 L
L PL.14356	PL.14355	C	6 A (CWC)	7.05Y	117.6	0.04	7.42	13.07	9	89	24	97	0.03	0.0	9.015	0.073	0	0	0	18 L
L PL.14646	PL.14356	C	6 A (CWC)	7.05Y	117.5	0.07	7.49	13.07	9	89	24	97	0.05	0.1	9.135	0.120	0	0	0	18 L
L PL.14647	PL.14646	C	6 A (CWC)	7.05Y	117.5	0.03	7.52	13.07	9	89	24	97	0.02	0.0	9.184	0.049	8	2	1	18 L
L PL.14645	PL.14647	C	6 A (CWC)	7.05Y	117.4	0.04	7.56	11.85	8	81	22	97	0.03	0.0	9.260	0.077	0	0	0	17 L
L PL.14357	PL.14645	C	6 A (CWC)	7.04Y	117.4	0.07	7.62	8.42	6	57	15	97	0.03	0.1	9.430	0.169	0	0	0	14 L
L PL.14435	PL.14357	C	6 A (CWC)	7.04Y	117.3	0.03	7.65	8.42	6	57	15	97	0.01	0.0	9.508	0.078	0	0	0	14 L
L PL.14436	PL.14435	C	6 A (CWC)	7.04Y	117.3	0.04	7.69	8.42	6	57	15	97	0.02	0.0	9.619	0.112	6	2	1	14 L
L PL.14359	PL.14436	C	#2 ACSR	7.04Y	117.3	0.00	7.69	0.00	0	0	0	100	0.00	0.0	9.653	0.033	0	0	0	0 L
L PL.14358	PL.14436	C	#4 ACSR	7.04Y	117.3	0.00	7.70	1.09	1	7	2	96	0.00	0.0	9.679	0.059	7	2	1	1 L
L PL.14450	PL.14436	C	6 A (CWC)	7.04Y	117.3	0.01	7.71	6.42	5	44	12	96	0.00	0.0	9.664	0.045	0	0	0	12 L
L PL.14643	PL.14450	C	#1/0 ACSR	7.04Y	117.3	0.00	7.71	1.36	1	9	2	98	0.00	0.0	9.690	0.026	4	1	2	4 L
L PL.14644	PL.14643	C	#1/0 ACSR	7.04Y	117.3	0.00	7.71	0.70	0	5	1	98	0.00	0.0	9.737	0.047	0	0	1	2 L
L PL.14642	PL.14644	C	#1/0 ACSR	7.04Y	117.3	0.00	7.71	0.68	0	5	1	98	0.00	0.0	9.916	0.179	5	1	1	1 L
L PL.14640	PL.14450	C	6 A (CWC)	7.04Y	117.3	0.01	7.72	5.06	4	34	9	97	0.00	0.0	9.714	0.050	15	4	1	8 L
L PL.14641	PL.14640	C	6 A (CWC)	7.04Y	117.3	0.02	7.74	2.86	2	19	5	97	0.00	0.0	9.874	0.160	0	0	0	7 L
L PL.14437	PL.14641	C	6 A (CWC)	7.03Y	117.2	0.02	7.76	2.86	2	19	5	97	0.00	0.0	10.019	0.146	0	0	0	7 L
L PL.14438	PL.14437	C	6 A (CWC)	7.03Y	117.2	0.01	7.76	2.86	2	19	5	97	0.00	0.0	10.093	0.074	6	2	1	7 L
L PL.14448	PL.14438	C	6 A (CWC)	7.03Y	117.2	0.01	7.77	1.95	1	13	4	96	0.00	0.0	10.150	0.057	0	0	0	6 L
L PL.14360	PL.14448	C	6 A (CWC)	7.03Y	117.2	0.00	7.77	0.31	0	2	1	89	0.00	0.0	10.278	0.128	0	0	0	2 L
L PL.14446	PL.14360	C	#4 ACSR	7.03Y	117.2	0.00	7.77	0.31	0	2	1	89	0.00	0.0	10.342	0.064	0	0	0	1 L
L PL.14361	PL.14446	C	#4 ACSR	7.03Y	117.2	0.00	7.77	0.31	0	2	1	89	0.00	0.0	10.389	0.048	2	1	1	1 L
L PL.14447	PL.14446	C	#4 ACSR	7.03Y	117.2	0.00	7.77	0.00	0	0	0	100	0.00	0.0	10.472	0.131	0	0	0	0 L
L PL.14439	PL.14447	C	#4 ACSR	7.03Y	117.2	0.00	7.77	0.00	0	0	0	100	0.00	0.0	10.545	0.072	0	0	0	0 L
L PL.14362	PL.14360	C	6 A (CWC)	7.03Y	117.2	0.00	7.77	0.00	0	0	0	100	0.00	0.0	10.345	0.067	0	0	1	1 L
L PL.14449	PL.14448	C	6 A (CWC)	7.03Y	117.2	0.00	7.77	1.64	1	11	3	96	0.00	0.0	10.180	0.030	0	0	0	4 L
L PL.14363	PL.14449	C	6 A (CWC)	7.03Y	117.2	0.01	7.78	1.30	1	9	2	98	0.00	0.0	10.340	0.160	0	0	0	2 L
L PL.14445	PL.14363	C	6 A (CWC)	7.03Y	117.2	0.01	7.79	1.30	1	9	2	98	0.00	0.0	10.467	0.127	0	0	0	2 L

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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

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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	Length (mi)	-----Element-----		Cons On	Cons Thru
-----																				
L PL.14364	PL.14445	C	6 A (CWC)	7.03Y	117.2	0.01	7.79	1.30	1	9	2	98	0.00	0.0	10.575	0.108	0	0	0	2 L
L PL.14443	PL.14364	C	6 A (CWC)	7.03Y	117.2	0.01	7.80	1.30	1	9	2	98	0.00	0.0	10.692	0.117	0	0	0	2 L
L PL.14442	PL.14443	C	6 A (CWC)	7.03Y	117.2	0.01	7.81	1.30	1	9	2	98	0.00	0.0	10.860	0.168	0	0	0	2 L
L PL.14636	PL.14442	C	6 A (CWC)	7.03Y	117.2	0.01	7.82	1.30	1	9	2	98	0.00	0.0	11.035	0.175	5	1	1	2 L
L PL.14637	PL.14636	C	6 A (CWC)	7.03Y	117.2	0.00	7.82	0.53	0	4	1	97	0.00	0.0	11.222	0.187	0	0	0	1 L
L PL.14444	PL.14637	C	6 A (CWC)	7.03Y	117.2	0.00	7.83	0.53	0	4	1	97	0.00	0.0	11.400	0.178	4	1	1	1 L
L PL.14638	PL.14445	C	6 A (CWC)	7.03Y	117.2	0.00	7.79	0.00	0	0	0	100	0.00	0.0	10.525	0.058	0	0	0	0 L
L PL.14639	PL.14638	C	6 A (CWC)	7.03Y	117.2	0.00	7.79	0.00	0	0	0	100	0.00	0.0	10.666	0.142	0	0	0	0 L
L PL.14440	PL.14639	C	6 A (CWC)	7.03Y	117.2	0.00	7.79	0.00	0	0	0	100	0.00	0.0	10.820	0.154	0	0	0	0 L
L PL.14441	PL.14440	C	6 A (CWC)	7.03Y	117.2	0.00	7.79	0.00	0	0	0	100	0.00	0.0	10.904	0.084	0	0	0	0 L
L PD.2951-A	PL.14441	C	Open	7.03Y	117.2	0.00	7.79	0.00	0	0	0	100	0.00	0.0	10.904	0.084	0	0	0	0 L
L PL.14365	PL.14449	C	#2 ACSR	7.03Y	117.2	0.00	7.77	0.34	0	2	1	89	0.00	0.0	10.202	0.022	2	1	2	2 L
L PL.14653	PL.14645	C	6 A (CWC)	7.05Y	117.4	0.01	7.57	3.43	2	23	6	97	0.00	0.0	9.334	0.073	0	0	1	3 L
L PL.14654	PL.14653	C	6 A (CWC)	7.05Y	117.4	0.00	7.57	3.43	2	23	6	97	0.00	0.0	9.393	0.059	23	6	2	2 L
L PL.14922	PL.14651	C	8 A (CWC)	7.06Y	117.7	0.00	7.26	4.12	4	28	8	96	0.00	0.0	8.766	0.004	0	0	0	9 L
L PD.2295	PL.14922	C	15T	7.06Y	117.7	0.00	7.26	4.12	0	28	8	96	0.00	0.0	8.766	0.004	0	0	0	9 L
L PL.14923	PD.2295	C	8 A (CWC)	7.06Y	117.7	0.01	7.27	4.12	4	28	8	96	0.00	0.0	8.820	0.054	10	3	2	9 L
L PL.14652	PL.14923	C	8 A (CWC)	7.06Y	117.7	0.01	7.29	2.58	3	18	5	96	0.00	0.0	8.899	0.078	0	0	0	7 L
L PL.14655	PL.14652	C	8 A (CWC)	7.06Y	117.7	0.02	7.31	2.58	3	18	5	96	0.00	0.0	9.037	0.139	1	0	2	7 L
L PL.14656	PL.14655	C	8 A (CWC)	7.06Y	117.7	0.01	7.32	2.38	2	16	4	97	0.00	0.0	9.129	0.092	2	1	2	5 L
L PL.14349	PL.14656	C	8 A (CWC)	7.06Y	117.7	0.01	7.33	2.06	2	14	4	96	0.00	0.0	9.268	0.139	10	3	1	3 L
L PL.14350	PL.14349	C	8 A (CWC)	7.06Y	117.7	0.00	7.34	0.59	1	4	1	97	0.00	0.0	9.347	0.079	0	0	0	2 L
L PL.14432	PL.14350	C	8 A (CWC)	7.06Y	117.7	0.01	7.34	0.59	1	4	1	97	0.00	0.0	9.518	0.171	0	0	0	2 L
L PL.14433	PL.14432	C	8 A (CWC)	7.06Y	117.7	0.00	7.35	0.59	1	4	1	97	0.00	0.0	9.572	0.054	0	0	0	2 L
L PL.14657	PL.14433	C	#2 ACSR	7.06Y	117.7	0.00	7.35	0.59	0	4	1	97	0.00	0.0	9.739	0.167	0	0	0	2 L
L PL.14658	PL.14657	C	#2 ACSR	7.06Y	117.6	0.00	7.35	0.59	0	4	1	97	0.00	0.0	9.859	0.121	0	0	0	2 L
L PL.14659	PL.14658	C	#2 ACSR	7.06Y	117.6	0.00	7.35	0.59	0	4	1	97	0.00	0.0	10.016	0.156	2	1	1	2 L
L PL.14660	PL.14659	C	#2 ACSR	7.06Y	117.6	0.00	7.35	0.24	0	2	0	100	0.00	0.0	10.127	0.112	0	0	0	1 L
L PL.14434	PL.14660	C	#2 ACSR	7.06Y	117.6	0.00	7.36	0.24	0	2	0	100	0.00	0.0	10.213	0.085	0	0	0	1 L
L PL.14351	PL.14434	C	#2 ACSR	7.06Y	117.6	0.00	7.36	0.24	0	2	0	100	0.00	0.0	10.298	0.085	2	0	1	1 L
L PL.14346	PL.15073	C	6 A (CWC)	7.08Y	118.0	0.00	7.03	1.65	1	11	3	96	0.00	0.0	8.471	0.013	11	3	2	2 L

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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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.14996	PL.14461	C	#2 ACSR	7.09Y	118.2	0.00	6.79	1.82	1	12	3	97	0.00	0.0	7.638	0.005	0	0	0	1
PD.2333	PL.14996	C	20T	7.09Y	118.2	0.00	6.79	1.82	0	12	3	97	0.00	0.0	7.638	0.005	0	0	0	1
PL.14997	PD.2333	C	#2 ACSR	7.09Y	118.2	0.00	6.79	1.82	1	12	3	97	0.00	0.0	7.694	0.055	12	3	1	1
PL.14339	PL.14842	C	#1/0 ACSR	7.11Y	118.5	0.00	6.54	2.28	1	16	4	97	0.00	0.0	6.721	0.114	16	4	1	1
PL.14994	PL.14468	C	#2 ACSR	7.11Y	118.5	0.00	6.51	0.74	0	5	1	98	0.00	0.0	6.514	0.005	0	0	0	1
PD.2332	PL.14994	C	20T	7.11Y	118.5	0.00	6.51	0.74	0	5	1	98	0.00	0.0	6.514	0.005	0	0	0	1
PL.14995	PD.2332	C	#2 ACSR	7.11Y	118.5	0.00	6.51	0.74	0	5	1	98	0.00	0.0	6.537	0.023	5	1	1	1
PL.14337	PL.14829	C	#4 ACSR	7.13Y	118.9	0.00	6.15	1.50	1	10	3	96	0.00	0.0	5.452	0.016	10	3	1	1
PL.14336	PL.14502	ABC	#1/0 ACSR	7.14Y	119.0	0.00	6.05	4.88	2	101	27	97	0.00	0.0	5.205	0.033	0	0	0	21
PL.14499	PL.14336	B	6 A (CWC)	7.14Y	118.9	0.00	6.05	14.64	10	101	27	97	0.00	0.0	5.209	0.005	0	0	0	21
PD.2366	PL.14499	B	20T	7.14Y	118.9	0.00	6.05	14.64	0	101	27	97	0.00	0.0	5.209	0.005	0	0	0	21
PL.14500	PD.2366	B	#4 ACSR	7.14Y	118.9	0.00	6.05	1.54	1	11	3	96	0.00	0.0	5.217	0.008	0	0	0	1
PL.14501	PL.14500	B	#4 ACSR	7.14Y	118.9	0.00	6.05	1.54	1	11	3	96	0.00	0.0	5.217	0.000	0	0	0	1
PL.14379	PL.14501	B	#4 ACSR	7.14Y	118.9	0.00	6.05	1.54	1	11	3	96	0.00	0.0	5.246	0.029	11	3	1	1
PL.14822	PD.2366	B	6 A (CWC)	7.13Y	118.9	0.04	6.09	13.11	9	90	24	97	0.03	0.0	5.275	0.066	8	2	1	20
PL.14823	PL.14822	B	6 A (CWC)	7.13Y	118.9	0.04	6.13	12.00	9	83	22	97	0.02	0.0	5.343	0.068	5	1	2	19
PL.14821	PL.14823	B	6 A (CWC)	7.13Y	118.8	0.04	6.17	11.35	8	78	21	97	0.03	0.0	5.424	0.081	0	0	0	17
PL.14380	PL.14821	B	#1/0 ACSR	7.13Y	118.8	0.00	6.17	1.85	1	13	3	97	0.00	0.0	5.457	0.033	13	3	2	2
PL.14819	PL.14821	B	6 A (CWC)	7.13Y	118.8	0.03	6.20	9.50	7	65	18	96	0.01	0.0	5.493	0.070	11	3	1	15
PL.14820	PL.14819	B	6 A (CWC)	7.12Y	118.7	0.06	6.25	7.90	6	54	15	96	0.02	0.0	5.654	0.161	0	0	0	14
PL.14485	PL.14820	B	6 A (CWC)	7.12Y	118.7	0.03	6.29	7.90	6	54	15	96	0.01	0.0	5.755	0.101	12	3	4	14
PL.14817	PL.14485	B	6 A (CWC)	7.12Y	118.7	0.01	6.30	5.94	4	41	11	97	0.00	0.0	5.791	0.036	0	0	0	9
PL.14818	PL.14817	B	6 A (CWC)	7.12Y	118.7	0.03	6.33	5.94	4	41	11	97	0.01	0.0	5.914	0.123	0	0	0	9
PL.14815	PL.14818	B	6 A (CWC)	7.12Y	118.7	0.00	6.33	2.34	2	16	4	97	0.00	0.0	5.969	0.055	10	3	1	2
PL.14816	PL.14815	B	6 A (CWC)	7.12Y	118.7	0.00	6.34	0.89	1	6	2	95	0.00	0.0	6.023	0.053	0	0	0	1
PL.14423	PL.14816	B	6 A (CWC)	7.12Y	118.7	0.01	6.34	0.89	1	6	2	95	0.00	0.0	6.204	0.182	0	0	0	1
PL.14424	PL.14423	B	6 A (CWC)	7.12Y	118.7	0.00	6.34	0.89	1	6	2	95	0.00	0.0	6.242	0.037	6	2	1	1
PL.14484	PL.14818	B	6 A (CWC)	7.12Y	118.7	0.01	6.34	3.61	3	25	7	96	0.00	0.0	6.001	0.086	0	0	0	7
PL.14541	PL.14484	B	6 A (CWC)	7.12Y	118.6	0.02	6.36	3.61	3	25	7	96	0.00	0.0	6.113	0.113	6	2	1	7
PL.14542	PL.14541	B	6 A (CWC)	7.12Y	118.6	0.01	6.37	2.73	2	19	5	97	0.00	0.0	6.198	0.084	6	2	3	6
PL.14540	PL.14542	B	6 A (CWC)	7.12Y	118.6	0.01	6.37	1.85	1	13	3	97	0.00	0.0	6.311	0.113	12	3	2	3

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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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.14382	PL.14540	B	#4 ACSR	7.12Y	118.6	0.00	6.37	0.12	0	1	0	100	0.00	0.0	6.406	0.095	0	0	0	1
PL.14425	PL.14382	B	#4 ACSR	7.12Y	118.6	0.00	6.37	0.12	0	1	0	100	0.00	0.0	6.515	0.109	1	0	1	1
PL.14383	PL.14425	B	#4 ACSR	7.12Y	118.6	0.00	6.37	0.00	0	0	0	100	0.00	0.0	6.571	0.056	0	0	0	0
PL.14381	PL.14485	B	#2 ACSR	7.12Y	118.7	0.00	6.29	0.21	0	1	0	100	0.00	0.0	5.779	0.024	1	0	1	1
PL.14526	PL.14524	B	6 A (CWC)	7.15Y	119.1	0.06	5.88	30.09	21	208	56	97	0.10	0.0	4.765	0.046	7	2	1	48
PL.14864	PL.14526	B	#2 ACSR	7.15Y	119.1	0.00	5.88	5.98	3	41	11	97	0.00	0.0	4.791	0.025	14	4	4	8
PL.14865	PL.14864	B	#2 ACSR	7.15Y	119.1	0.00	5.88	3.91	2	27	7	97	0.00	0.0	4.813	0.023	10	3	2	4
PL.14531	PL.14865	B	#2 ACSR	7.15Y	119.1	0.00	5.88	2.43	1	17	4	97	0.00	0.0	4.836	0.023	7	2	1	2
PL.14532	PL.14531	B	#2 ACSR	7.15Y	119.1	0.00	5.88	1.43	1	10	3	96	0.00	0.0	4.854	0.018	10	3	1	1
PL.15076	PL.14526	B	6 A (CWC)	7.15Y	119.1	0.02	5.90	23.07	16	159	43	97	0.03	0.0	4.787	0.022	0	0	0	39
PD.2374	PL.15076	B	35L	7.15Y	119.1	0.00	5.90	23.07	66	159	43	97	0.00	0.0	4.787	0.022	0	0	0	39
PL.15077	PD.2374	B	6 A (CWC)	7.14Y	119.0	0.06	5.96	23.07	16	159	43	97	0.07	0.0	4.848	0.061	15	4	2	39
PL.14814	PL.15077	B	6 A (CWC)	7.14Y	118.9	0.10	6.06	20.89	15	144	39	97	0.11	0.1	4.958	0.110	8	2	3	37
PL.14812	PL.14814	B	6 A (CWC)	7.13Y	118.9	0.07	6.13	18.85	13	130	35	97	0.07	0.1	5.044	0.086	3	1	2	33
PL.14813	PL.14812	B	6 A (CWC)	7.12Y	118.7	0.13	6.26	18.42	13	127	34	97	0.12	0.1	5.202	0.158	12	3	2	31
PL.14811	PL.14813	B	6 A (CWC)	7.12Y	118.7	0.07	6.33	16.66	12	115	31	97	0.06	0.1	5.292	0.090	0	0	0	29
PL.14367	PL.14811	B	6 A (CWC)	7.12Y	118.7	0.00	6.33	0.43	0	3	1	95	0.00	0.0	5.371	0.079	3	1	1	1
PL.14598	PL.14811	B	6 A (CWC)	7.11Y	118.6	0.10	6.43	16.24	12	112	30	97	0.09	0.1	5.433	0.141	0	0	0	28
PL.14368	PL.14598	B	#4 ACSR	7.11Y	118.6	0.00	6.44	1.70	1	12	3	97	0.00	0.0	5.503	0.070	12	3	1	1
PL.14599	PL.14598	B	6 A (CWC)	7.11Y	118.5	0.07	6.50	14.53	10	100	27	97	0.05	0.1	5.537	0.104	0	0	0	27
PL.14369	PL.14599	B	6 A (CWC)	7.11Y	118.5	0.00	6.50	1.17	1	8	2	97	0.00	0.0	5.576	0.039	8	2	1	1
PL.14862	PL.14599	B	6 A (CWC)	7.10Y	118.4	0.10	6.61	13.36	10	92	25	97	0.07	0.1	5.709	0.172	0	0	0	26
PL.14863	PL.14862	B	6 A (CWC)	7.10Y	118.3	0.05	6.66	13.36	10	92	25	97	0.04	0.0	5.796	0.087	2	1	2	26
PL.14810	PL.14863	B	6 A (CWC)	7.10Y	118.3	0.04	6.70	13.03	9	89	24	97	0.02	0.0	5.860	0.064	8	2	2	24
PL.14809	PL.14810	B	6 A (CWC)	7.09Y	118.2	0.05	6.75	11.93	9	82	22	97	0.03	0.0	5.959	0.100	0	0	0	22
PL.14799	PL.14809	B	6 A (CWC)	7.09Y	118.2	0.02	6.77	11.52	8	79	21	97	0.01	0.0	5.997	0.037	11	3	2	18
PL.14800	PL.14799	B	6 A (CWC)	7.09Y	118.2	0.02	6.79	9.92	7	68	18	97	0.01	0.0	6.035	0.038	9	2	3	16
PL.14371	PL.14800	B	6 A (CWC)	7.09Y	118.2	0.03	6.82	8.58	6	59	16	97	0.01	0.0	6.118	0.083	0	0	0	13
PL.14390	PL.14371	B	6 A (CWC)	7.09Y	118.2	0.03	6.84	8.58	6	59	16	97	0.01	0.0	6.184	0.066	0	0	0	13
PL.14807	PL.14390	B	6 A (CWC)	7.09Y	118.1	0.01	6.86	8.58	6	59	16	97	0.01	0.0	6.219	0.034	3	1	1	13
PL.14808	PL.14807	B	6 A (CWC)	7.09Y	118.1	0.01	6.87	8.16	6	56	15	97	0.00	0.0	6.250	0.032	10	3	2	12

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Balanced Voltage Drop Report  
Source: Booneville

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

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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	Length (mi)	-----Element-----		Cons On	Cons Thru
-----																				
PL.14806	PL.14808	B	6 A (CWC)	7.09Y	118.1	0.03	6.89	6.66	5	46	12	97	0.01	0.0	6.342	0.092	8	2	1	10
PL.14528	PL.14806	B	6 A (CWC)	7.09Y	118.1	0.01	6.90	4.22	3	29	8	96	0.00	0.0	6.396	0.053	0	0	0	8
PL.14803	PL.14528	B	#4 ACSR	7.09Y	118.1	0.00	6.91	1.21	1	8	2	97	0.00	0.0	6.442	0.047	0	0	0	3
PL.14804	PL.14803	B	#4 ACSR	7.09Y	118.1	0.00	6.91	1.21	1	8	2	97	0.00	0.0	6.540	0.098	2	1	2	3
PL.14805	PL.14804	B	#4 ACSR	7.09Y	118.1	0.00	6.91	0.89	1	6	2	95	0.00	0.0	6.625	0.085	6	2	1	1
PL.14373	PL.14528	B	6 A (CWC)	7.08Y	118.1	0.02	6.93	3.01	2	21	6	96	0.00	0.0	6.555	0.159	0	0	0	5
PL.14417	PL.14373	B	6 A (CWC)	7.08Y	118.1	0.01	6.94	3.01	2	21	6	96	0.00	0.0	6.656	0.101	4	1	1	5
PL.14801	PL.14417	B	6 A (CWC)	7.08Y	118.1	0.01	6.95	2.47	2	17	5	96	0.00	0.0	6.721	0.065	2	1	1	4
PL.14802	PL.14801	B	6 A (CWC)	7.08Y	118.0	0.01	6.96	2.13	2	15	4	97	0.00	0.0	6.875	0.154	8	2	2	3
PL.14374	PL.14802	B	#4 ACSR	7.08Y	118.0	0.00	6.96	0.99	1	7	2	96	0.00	0.0	6.907	0.032	7	2	1	1
PL.14372	PL.14806	B	#1/0 ACSR	7.09Y	118.1	0.00	6.89	1.30	1	9	2	98	0.00	0.0	6.375	0.033	9	2	1	1
PL.14618	PL.14809	B	6 A (CWC)	7.09Y	118.2	0.00	6.75	0.41	0	3	1	95	0.00	0.0	6.022	0.063	0	0	0	4
PL.14370	PL.14618	B	#4 ACSR	7.09Y	118.2	0.00	6.75	0.00	0	0	0	100	0.00	0.0	6.045	0.023	0	0	0	0
PL.14619	PL.14618	B	6 A (CWC)	7.09Y	118.2	0.00	6.75	0.41	0	3	1	95	0.00	0.0	6.106	0.084	0	0	0	4
PL.14375	PL.14619	B	#4 ACSR	7.09Y	118.2	0.00	6.76	0.41	0	3	1	95	0.00	0.0	6.213	0.107	0	0	0	4
PL.14418	PL.14375	B	#4 ACSR	7.09Y	118.2	0.00	6.76	0.41	0	3	1	95	0.00	0.0	6.367	0.154	0	0	0	4
PL.14419	PL.14418	B	#4 ACSR	7.09Y	118.2	0.00	6.76	0.41	0	3	1	95	0.00	0.0	6.477	0.110	2	1	1	4
PL.14625	PL.14419	B	6 A (CWC)	7.09Y	118.2	0.00	6.76	0.05	0	0	0	100	0.00	0.0	6.539	0.062	0	0	0	3
PL.14376	PL.14625	B	#2 ACSR	7.09Y	118.2	0.00	6.76	0.05	0	0	0	100	0.00	0.0	6.582	0.043	0	0	1	1
PL.14626	PL.14625	B	6 A (CWC)	7.09Y	118.2	0.00	6.76	0.01	0	0	0	100	0.00	0.0	6.713	0.174	0	0	0	2
PL.14633	PL.14626	B	6 A (CWC)	7.09Y	118.2	0.00	6.76	0.00	0	0	0	100	0.00	0.0	6.827	0.114	0	0	0	0
PL.14634	PL.14633	B	6 A (CWC)	7.09Y	118.2	0.00	6.76	0.00	0	0	0	100	0.00	0.0	6.998	0.171	0	0	0	0
PL.14377	PL.14626	B	#4 ACSR	7.09Y	118.2	0.00	6.76	0.01	0	0	0	100	0.00	0.0	6.784	0.071	0	0	0	2
PL.14797	PL.14377	B	#4 ACSR	7.09Y	118.2	0.00	6.76	0.01	0	0	0	100	0.00	0.0	6.922	0.138	0	0	1	2
PL.14798	PL.14797	B	#4 ACSR	7.09Y	118.2	0.00	6.76	0.01	0	0	0	100	0.00	0.0	7.035	0.113	0	0	0	1
PL.14420	PL.14798	B	#4 ACSR	7.09Y	118.2	0.00	6.76	0.01	0	0	0	100	0.00	0.0	7.149	0.114	0	0	1	1
PL.14366	PL.14814	B	6 A (CWC)	7.14Y	118.9	0.00	6.06	0.91	1	6	2	95	0.00	0.0	5.016	0.058	6	2	1	1
PL.14301	PL.14687	A	#2 ACSR	7.16Y	119.4	0.00	5.61	1.74	1	12	3	97	0.00	0.0	4.452	0.022	12	3	3	3
PL.15046	PL.14525	C	6 A (CWC)	7.17Y	119.5	0.00	5.49	3.87	3	27	7	97	0.00	0.0	4.322	0.005	0	0	0	5
PD.2358	PL.15046	C	65T	7.17Y	119.5	0.00	5.49	3.87	0	27	7	97	0.00	0.0	4.322	0.005	0	0	0	5
PL.15047	PD.2358	C	6 A (CWC)	7.17Y	119.5	0.01	5.49	3.87	3	27	7	97	0.00	0.0	4.366	0.044	16	4	2	5

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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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.14690	PL.15047	C	6 A (CWC)	7.17Y	119.5	0.00	5.49	1.52	1	11	3	96	0.00	0.0	4.413	0.047	4	1	1	3
PL.14521	PL.14690	C	6 A (CWC)	7.17Y	119.5	0.00	5.49	0.38	0	3	1	95	0.00	0.0	4.485	0.072	3	1	1	1
PL.14691	PL.14690	C	#1/0 ACSR	7.17Y	119.5	0.00	5.49	0.49	0	3	1	95	0.00	0.0	4.444	0.031	3	1	1	1
PL.14692	PL.14691	C	#1/0 ACSR	7.17Y	119.5	0.00	5.49	0.00	0	0	0	100	0.00	0.0	4.486	0.042	0	0	0	0
PL.14940	PL.14696	A	#4 ACSR	7.18Y	119.6	0.00	5.40	0.00	0	0	0	100	0.00	0.0	4.244	0.004	0	0	0	0
PD.2304	PL.14940	A	65T	7.18Y	119.6	0.00	5.40	0.00	0	0	0	100	0.00	0.0	4.244	0.004	0	0	0	0
PL.14941	PD.2304	A	#4 ACSR	7.18Y	119.6	0.00	5.40	0.00	0	0	0	100	0.00	0.0	4.257	0.013	0	0	0	0
PL.14942	PL.14701	C	6 A (CWC)	7.19Y	119.8	0.00	5.19	7.53	5	52	14	97	0.00	0.0	4.056	0.005	0	0	0	12
PD.2305	PL.14942	C	65T	7.19Y	119.8	0.00	5.19	7.53	0	52	14	97	0.00	0.0	4.056	0.005	0	0	0	12
PL.14943	PD.2305	C	6 A (CWC)	7.19Y	119.8	0.01	5.21	7.53	5	52	14	97	0.00	0.0	4.102	0.045	27	7	4	12
PL.14700	PL.14943	C	6 A (CWC)	7.19Y	119.8	0.01	5.21	3.64	3	25	7	96	0.00	0.0	4.139	0.038	6	2	1	8
PL.14671	PL.14700	C	6 A (CWC)	7.19Y	119.8	0.00	5.21	2.76	2	19	5	97	0.00	0.0	4.170	0.031	9	2	3	7
PL.14672	PL.14671	C	6 A (CWC)	7.19Y	119.8	0.01	5.22	1.50	1	10	3	96	0.00	0.0	4.269	0.098	1	0	3	4
PL.14668	PL.14672	C	6 A (CWC)	7.19Y	119.8	0.00	5.22	1.36	1	9	3	95	0.00	0.0	4.325	0.057	9	3	1	1
PL.33073	PL.14668	C	6 A (CWC)	7.19Y	119.8	0.00	5.22	0.00	0	0	0	100	0.00	0.0	4.378	0.052	0	0	0	0
PL.14924	PL.14510	C	#1/0 ACSR	7.21Y	120.2	0.00	4.75	1.48	1	10	3	96	0.00	0.0	3.755	0.005	0	0	0	1
PD.2296	PL.14924	C	65T	7.21Y	120.2	0.00	4.75	1.48	0	10	3	96	0.00	0.0	3.755	0.005	0	0	0	1
PL.14925	PD.2296	C	#1/0 ACSR	7.21Y	120.2	0.00	4.75	1.48	1	10	3	96	0.00	0.0	3.765	0.010	10	3	1	1
PL.14928	PL.14505	A	#2 ACSR	7.24Y	120.7	0.00	4.26	0.16	0	1	0	100	0.00	0.0	3.468	0.004	0	0	0	1
PD.2298	PL.14928	A	65T	7.24Y	120.7	0.00	4.26	0.16	0	1	0	100	0.00	0.0	3.468	0.004	0	0	0	1
PL.14929	PD.2298	A	#2 ACSR	7.24Y	120.7	0.00	4.26	0.16	0	1	0	100	0.00	0.0	3.512	0.044	1	0	1	1
PL.15044	PL.14505	C	6 A (CWC)	7.24Y	120.7	0.00	4.26	0.62	0	4	1	97	0.00	0.0	3.468	0.004	0	0	0	1
PD.2357	PL.15044	C	65T	7.24Y	120.7	0.00	4.26	0.62	0	4	1	97	0.00	0.0	3.468	0.004	0	0	0	1
PL.15045	PD.2357	C	6 A (CWC)	7.24Y	120.7	0.00	4.26	0.62	0	4	1	97	0.00	0.0	3.523	0.054	4	1	1	1
PL.14946	PL.14520	C	#4 ACSR	7.27Y	121.2	0.00	3.77	2.80	2	20	5	97	0.00	0.0	3.205	0.005	0	0	0	4
PD.2307	PL.14946	C	65T	7.27Y	121.2	0.00	3.77	2.80	0	20	5	97	0.00	0.0	3.205	0.005	0	0	0	4
PL.14947	PD.2307	C	#4 ACSR	7.27Y	121.2	0.00	3.78	2.80	2	20	5	97	0.00	0.0	3.254	0.049	11	3	1	4
PL.14295	PL.14947	C	#4 ACSR	7.27Y	121.2	0.00	3.78	1.28	1	9	2	98	0.00	0.0	3.292	0.038	9	2	3	3
PL.14944	PL.14705	C	6 A (CWC)	7.28Y	121.4	0.00	3.61	1.73	1	12	3	97	0.00	0.0	3.118	0.005	0	0	0	2
PD.2306	PL.14944	C	65T	7.28Y	121.4	0.00	3.61	1.73	0	12	3	97	0.00	0.0	3.118	0.005	0	0	0	2
PL.14945	PD.2306	C	6 A (CWC)	7.28Y	121.4	0.00	3.61	1.73	1	12	3	97	0.00	0.0	3.177	0.059	12	3	2	2

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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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.14948	PL.14792	C	6 A (CWC)	7.30Y	121.6	0.00	3.38	4.23	3	30	8	97	0.00	0.0	3.002	0.005	0	0	0	4
PD.2308	PL.14948	C	65T	7.30Y	121.6	0.00	3.38	4.23	0	30	8	97	0.00	0.0	3.002	0.005	0	0	0	4
PL.14949	PD.2308	C	6 A (CWC)	7.30Y	121.6	0.01	3.39	4.23	3	30	8	97	0.00	0.0	3.038	0.037	8	2	1	4
PL.14706	PL.14949	C	6 A (CWC)	7.30Y	121.6	0.00	3.39	3.14	2	22	6	96	0.00	0.0	3.053	0.015	0	0	0	3
PL.14681	PL.14706	C	#4 ACSR	7.30Y	121.6	0.01	3.40	3.14	2	22	6	96	0.00	0.0	3.133	0.080	0	0	1	3
PL.14682	PL.14681	C	#4 ACSR	7.30Y	121.6	0.00	3.41	3.09	2	22	6	96	0.00	0.0	3.189	0.056	22	6	2	2
PL.15042	PL.14792	A	6 A (CWC)	7.30Y	121.6	0.00	3.38	3.58	3	25	7	96	0.00	0.0	3.002	0.005	0	0	0	2
PD.2356	PL.15042	A	65T	7.30Y	121.6	0.00	3.38	3.58	0	25	7	96	0.00	0.0	3.002	0.005	0	0	0	2
PL.15043	PD.2356	A	6 A (CWC)	7.30Y	121.6	0.01	3.39	3.58	3	25	7	96	0.00	0.0	3.087	0.085	25	7	2	2
PL.15040	PL.14795	C	#4 ACSR	7.34Y	122.3	0.00	2.71	2.12	2	15	4	97	0.00	0.0	2.668	0.004	0	0	0	2
PD.2355	PL.15040	C	65T	7.34Y	122.3	0.00	2.71	2.12	0	15	4	97	0.00	0.0	2.668	0.004	0	0	0	2
PL.15041	PD.2355	C	#4 ACSR	7.34Y	122.3	0.00	2.71	2.12	2	15	4	97	0.00	0.0	2.683	0.015	0	0	0	2
PL.14294	PL.15041	C	#4 ACSR	7.34Y	122.3	0.00	2.71	2.12	2	15	4	97	0.00	0.0	2.698	0.015	15	4	2	2
PL.14988	PL.14601	C	6 A (CWC)	7.37Y	122.9	0.00	2.09	3.46	2	25	7	96	0.00	0.0	2.379	0.005	0	0	0	5
PD.2329	PL.14988	C	65T	7.37Y	122.9	0.00	2.09	3.46	0	25	7	96	0.00	0.0	2.379	0.005	0	0	0	5
PL.14989	PD.2329	C	6 A (CWC)	7.37Y	122.9	0.00	2.09	3.46	2	25	7	96	0.00	0.0	2.413	0.035	5	1	3	5
PL.14796	PL.14989	C	6 A (CWC)	7.37Y	122.9	0.00	2.09	2.71	2	19	5	97	0.00	0.0	2.432	0.019	0	0	0	2
PL.14293	PL.14796	C	6 A (CWC)	7.37Y	122.9	0.00	2.09	2.71	2	19	5	97	0.00	0.0	2.458	0.025	19	5	2	2
PL.15018	PL.14886	C	6 A (CWC)	7.39Y	123.2	0.00	1.79	1.36	1	10	3	96	0.00	0.0	2.263	0.005	0	0	0	2
PD.2344	PL.15018	C	65T	7.39Y	123.2	0.00	1.79	1.36	0	10	3	96	0.00	0.0	2.263	0.005	0	0	0	2
PL.15019	PD.2344	C	6 A (CWC)	7.39Y	123.2	0.01	1.80	1.36	1	10	3	96	0.00	0.0	2.382	0.119	0	0	0	2
PL.14292	PL.15019	C	6 A (CWC)	7.39Y	123.2	0.00	1.80	1.36	1	10	3	96	0.00	0.0	2.420	0.038	10	3	2	2
PL.15020	PL.14607	B	#1/0 ACSR	7.41Y	123.5	0.00	1.49	4.47	2	32	9	96	0.00	0.0	2.153	0.005	0	0	0	4
PD.2345	PL.15020	B	65T	7.41Y	123.5	0.00	1.49	4.47	0	32	9	96	0.00	0.0	2.153	0.005	0	0	0	4
PL.15021	PD.2345	B	#1/0 ACSR	7.41Y	123.5	0.00	1.50	4.47	2	32	9	96	0.00	0.0	2.187	0.034	20	5	2	4
PL.14887	PL.15021	B	#1/0 ACSR	7.41Y	123.5	0.00	1.50	1.61	1	12	3	97	0.00	0.0	2.219	0.032	0	0	0	2
PL.14291	PL.14887	B	#1/0 ACSR	7.41Y	123.5	0.00	1.50	1.61	1	12	3	97	0.00	0.0	2.255	0.035	12	3	2	2
PL.15074	PL.15091	A	6 A (CWC)	7.42Y	123.6	0.00	1.38	35.94	26	257	70	96	0.01	0.0	2.109	0.003	0	0	0	50
C PD.2373	PL.15074	A	35L	7.42Y	123.6	0.00	1.38	35.94	103	257	70	96	0.00	0.0	2.109	0.003	0	0	0	50 C
PL.15075	PD.2373	A	6 A (CWC)	7.42Y	123.6	0.00	1.38	35.94	26	257	70	96	0.01	0.0	2.111	0.002	0	0	0	50
PL.14608	PL.15075	A	6 A (CWC)	7.42Y	123.6	0.00	1.38	0.00	0	0	0	100	0.00	0.0	2.116	0.005	0	0	0	0

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.14609	PL.14608	A	6 A (CWC)	7.42Y	123.6	0.00	1.38	0.00	0	0	0	100	0.00	0.0	2.116	0.000	0	0	0	0
PL.14605	PL.14609	A	6 A (CWC)	7.42Y	123.6	0.00	1.38	0.00	0	0	0	100	0.00	0.0	2.120	0.004	0	0	0	0
PL.14606	PL.14605	A	6 A (CWC)	7.42Y	123.6	0.00	1.38	0.00	0	0	0	100	0.00	0.0	2.120	0.000	0	0	0	0
PL.14603	PL.14606	A	6 A (CWC)	7.42Y	123.6	0.00	1.38	0.00	0	0	0	100	0.00	0.0	2.126	0.006	0	0	0	0
PL.14604	PL.14603	A	6 A (CWC)	7.42Y	123.6	0.00	1.38	0.00	0	0	0	100	0.00	0.0	2.126	0.000	0	0	0	0
PL.14290	PL.14604	A	6 A (CWC)	7.42Y	123.6	0.00	1.38	0.00	0	0	0	100	0.00	0.0	2.193	0.067	0	0	0	0
PL.14610	PL.15075	A	6 A (CWC)	7.41Y	123.5	0.11	1.49	35.94	26	257	70	96	0.21	0.1	2.176	0.066	0	0	0	50
PL.14743	PL.14610	A	6 A (CWC)	7.41Y	123.5	0.02	1.51	35.94	26	257	70	96	0.04	0.0	2.190	0.014	8	2	3	50
PL.14744	PL.14743	A	6 A (CWC)	7.40Y	123.3	0.16	1.68	34.82	25	249	67	97	0.30	0.1	2.293	0.103	0	0	1	47
PL.14746	PL.14744	A	6 A (CWC)	7.39Y	123.2	0.09	1.76	34.62	25	247	67	97	0.16	0.1	2.348	0.055	9	2	2	45
PL.14747	PL.14746	A	6 A (CWC)	7.39Y	123.1	0.09	1.85	33.35	24	238	64	97	0.16	0.1	2.408	0.060	0	0	0	43
PL.14735	PL.14747	A	6 A (CWC)	7.38Y	123.0	0.10	1.95	32.73	23	233	63	97	0.17	0.1	2.477	0.069	11	3	1	41
PL.14736	PL.14735	A	6 A (CWC)	7.38Y	123.0	0.04	1.99	31.24	22	223	60	97	0.06	0.0	2.507	0.030	23	6	2	40
PL.14737	PL.14736	A	6 A (CWC)	7.38Y	123.0	0.05	2.04	28.06	20	200	54	97	0.08	0.0	2.548	0.041	11	3	1	38
PL.14738	PL.14737	A	6 A (CWC)	7.37Y	122.9	0.06	2.10	26.58	19	189	51	97	0.08	0.0	2.599	0.051	22	6	4	37
PL.14741	PL.14738	A	6 A (CWC)	7.37Y	122.8	0.07	2.17	22.06	16	157	42	97	0.08	0.1	2.668	0.069	0	0	1	32
PL.14742	PL.14741	A	6 A (CWC)	7.37Y	122.8	0.06	2.23	22.06	16	157	42	97	0.07	0.0	2.729	0.061	17	5	3	31
PL.14739	PL.14742	A	6 A (CWC)	7.37Y	122.8	0.02	2.25	19.61	14	140	38	97	0.02	0.0	2.747	0.018	7	2	1	28
PL.14740	PL.14739	A	6 A (CWC)	7.36Y	122.7	0.05	2.30	18.69	13	133	36	97	0.05	0.0	2.810	0.062	5	1	1	27
PL.14352	PL.14740	A	6 A (CWC)	7.36Y	122.7	0.00	2.30	0.00	0	0	0	100	0.00	0.0	2.850	0.040	0	0	0	0
PL.14912	PL.14740	A	6 A (CWC)	7.36Y	122.7	0.03	2.33	17.98	13	128	34	97	0.03	0.0	2.848	0.038	11	3	1	26
PL.14913	PL.14912	A	6 A (CWC)	7.36Y	122.6	0.03	2.36	16.50	12	117	32	96	0.03	0.0	2.893	0.045	7	2	2	25
PL.14752	PL.14913	A	6 A (CWC)	7.35Y	122.5	0.11	2.47	15.49	11	110	30	96	0.09	0.1	3.066	0.173	18	5	2	23
PL.14890	PL.14752	A	6 A (CWC)	7.35Y	122.5	0.01	2.48	3.01	2	21	6	96	0.00	0.0	3.133	0.067	6	2	1	6
PL.14891	PL.14890	A	6 A (CWC)	7.35Y	122.5	0.01	2.49	2.19	2	16	4	97	0.00	0.0	3.210	0.077	0	0	2	5
PL.14888	PL.14891	A	#4 ACSR	7.35Y	122.5	0.00	2.49	2.19	2	16	4	97	0.00	0.0	3.263	0.053	5	1	1	3
PL.14889	PL.14888	A	#4 ACSR	7.35Y	122.5	0.01	2.50	1.52	1	11	3	96	0.00	0.0	3.344	0.081	0	0	0	2
PL.14635	PL.14889	A	#4 ACSR	7.35Y	122.5	0.01	2.51	1.52	1	11	3	96	0.00	0.0	3.487	0.143	0	0	0	1
PL.14404	PL.14635	A	#4 ACSR	7.35Y	122.5	0.01	2.52	1.52	1	11	3	96	0.00	0.0	3.649	0.162	0	0	0	1
PL.14405	PL.14404	A	#4 ACSR	7.35Y	122.5	0.00	2.52	1.52	1	11	3	96	0.00	0.0	3.758	0.109	11	3	1	1
PL.14333	PL.14889	A	#4 ACSR	7.35Y	122.5	0.00	2.50	0.00	0	0	0	100	0.00	0.0	3.369	0.025	0	0	1	1

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Balanced Voltage Drop Report  
Source: Booneville

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	Length (mi)	-----Element-----			
																KW	KVAR	Cons On	Cons Thru	
PL.14750	PL.14752	A	6 A (CWC)	7.35Y	122.5	0.04	2.51	9.89	7	70	19	97	0.02	0.0	3.151	0.085	5	1	1	15
PL.14751	PL.14750	A	6 A (CWC)	7.35Y	122.5	0.03	2.55	9.20	7	65	18	96	0.02	0.0	3.241	0.090	12	3	3	14
PL.14707	PL.14751	A	6 A (CWC)	7.35Y	122.4	0.01	2.56	7.54	5	53	14	97	0.00	0.0	3.274	0.033	5	1	1	11
PL.14708	PL.14707	A	6 A (CWC)	7.35Y	122.4	0.03	2.58	6.90	5	49	13	97	0.01	0.0	3.359	0.085	6	2	1	10
PL.14896	PL.14708	A	6 A (CWC)	7.34Y	122.4	0.03	2.61	6.10	4	43	12	96	0.01	0.0	3.453	0.093	3	1	1	9
PL.14897	PL.14896	A	6 A (CWC)	7.34Y	122.4	0.01	2.62	5.73	4	41	11	97	0.00	0.0	3.512	0.059	8	2	2	8
PL.14334	PL.14897	A	6 A (CWC)	7.34Y	122.4	0.00	2.62	3.42	2	24	7	96	0.00	0.0	3.519	0.007	0	0	0	2
PL.14354	PL.14334	A	6 A (CWC)	7.34Y	122.4	0.00	2.63	3.42	2	24	7	96	0.00	0.0	3.563	0.044	24	7	2	2
PL.14894	PL.14897	A	6 A (CWC)	7.34Y	122.4	0.00	2.62	1.18	1	8	2	97	0.00	0.0	3.554	0.041	2	1	1	4
PL.14895	PL.14894	A	6 A (CWC)	7.34Y	122.4	0.00	2.62	0.84	1	6	2	95	0.00	0.0	3.595	0.042	2	1	1	3
PL.14893	PL.14895	A	6 A (CWC)	7.34Y	122.4	0.00	2.62	0.55	0	4	1	97	0.00	0.0	3.618	0.023	4	1	2	2
PL.14892	PL.14893	A	6 A (CWC)	7.34Y	122.4	0.00	2.62	0.00	0	0	0	100	0.00	0.0	3.683	0.065	0	0	0	0
PL.14332	PL.14738	A	#4 ACSR	7.37Y	122.9	0.00	2.10	1.48	1	11	3	96	0.00	0.0	2.621	0.022	11	3	1	1
PL.14331	PL.14747	A	#4 ACSR	7.39Y	123.1	0.00	1.85	0.62	0	4	1	97	0.00	0.0	2.467	0.060	4	1	2	2
PL.14966	PL.14744	A	6 A (CWC)	7.40Y	123.3	0.00	1.68	0.20	0	1	0	100	0.00	0.0	2.297	0.005	0	0	0	1
PD.2317	PL.14966	A	15T	7.40Y	123.3	0.00	1.68	0.20	0	1	0	100	0.00	0.0	2.297	0.005	0	0	0	1
PL.14967	PD.2317	A	6 A (CWC)	7.40Y	123.3	0.00	1.68	0.20	0	1	0	100	0.00	0.0	2.462	0.164	1	0	1	1
CP.25	PL.15090	ABC	Cap (300)	7.43Y	123.8	0.00	1.16	0.00	0	0	0	100	0.00	0.0	2.037	0.164	0	0	0	0
PL.15038	PL.15067	C	6 A (CWC)	7.45Y	124.2	0.00	0.80	0.39	0	3	1	95	0.00	0.0	1.923	0.004	0	0	0	2
PD.2354	PL.15038	C	65T	7.45Y	124.2	0.00	0.80	0.39	0	3	1	95	0.00	0.0	1.923	0.004	0	0	0	2
PL.15039	PD.2354	C	6 A (CWC)	7.45Y	124.2	0.00	0.80	0.39	0	3	1	95	0.00	0.0	1.973	0.050	3	1	2	2
PL.14287	PL.14614	ABC	#3/0 ACSR	7.25Y	120.8	0.05	4.23	37.31	12	746	319	92	0.24	0.0	1.762	0.101	0	0	0	37
PL.14403	PL.14287	ABC	#3/0 ACSR	7.24Y	120.7	0.08	4.31	37.31	12	746	319	92	0.34	0.0	1.909	0.147	0	0	0	37
PL.14323	PL.14403	ABC	#3/0 ACSR	7.24Y	120.6	0.09	4.39	33.95	11	680	286	92	0.35	0.1	2.096	0.187	25	7	2	34
PL.14631	PL.14323	ABC	#3/0 ACSR	7.24Y	120.6	0.02	4.41	31.24	10	622	270	92	0.07	0.0	2.137	0.041	5	1	1	21
PL.14972	PL.14631	C	6 A (CWC)	7.24Y	120.6	0.00	4.41	2.30	2	16	4	97	0.00	0.0	2.142	0.005	0	0	0	2
PD.2321	PL.14972	C	65T	7.24Y	120.6	0.00	4.41	2.30	0	16	4	97	0.00	0.0	2.142	0.005	0	0	0	2
PL.14973	PD.2321	C	6 A (CWC)	7.24Y	120.6	0.00	4.42	2.30	2	16	4	97	0.00	0.0	2.168	0.026	0	0	1	2
PL.14767	PL.14973	C	6 A (CWC)	7.23Y	120.6	0.00	4.42	2.30	2	16	4	97	0.00	0.0	2.208	0.041	16	4	1	1
PL.14632	PL.14631	ABC	#3/0 ACSR	7.24Y	120.6	0.00	4.42	30.24	10	601	265	92	0.01	0.0	2.142	0.006	0	0	0	18
PL.14329	PL.14632	ABC	#1/0 ACSR	7.23Y	120.6	0.01	4.42	24.20	11	473	229	90	0.02	0.0	2.177	0.035	473	229	0	0

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Balanced Voltage Drop Report  
Source: Booneville

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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.25708	PL.14329	ABC	#1/0 ACSR	7.23Y	120.6	0.00	4.42	0.00	0	0	0	100	0.00	0.0	2.188	0.011	0	0	0	0
PL.25709	PL.25708	ABC	#1/0 ACSR	7.23Y	120.6	0.00	4.42	0.00	0	0	0	100	0.00	0.0	2.241	0.053	0	0	0	0
PL.25710	PL.25709	ABC	#1/0 ACSR	7.23Y	120.6	0.00	4.42	0.00	0	0	0	100	0.00	0.0	2.251	0.009	0	0	0	0
PL.25711	PL.25710	ABC	#1/0 ACSR	7.23Y	120.6	0.00	4.42	0.00	0	0	0	100	0.00	0.0	2.267	0.016	0	0	0	0
PL.25712	PL.25711	ABC	#1/0 ACSR	7.23Y	120.6	0.00	4.42	0.00	0	0	0	100	0.00	0.0	2.336	0.069	0	0	0	0
PL.14768	PL.14632	ABC	#3/0 ACSR	7.23Y	120.6	0.00	4.42	6.12	2	128	36	96	0.00	0.0	2.168	0.026	0	0	0	18
PL.27901	PL.14768	ABC	#3/0 ACSR	7.23Y	120.6	0.00	4.42	6.12	2	128	36	96	0.00	0.0	2.189	0.021	1	0	1	18
PL.27902	PL.27901	ABC	#3/0 ACSR	7.23Y	120.6	0.00	4.42	6.08	2	127	35	96	0.00	0.0	2.233	0.045	3	1	1	17
PL.14974	PL.27902	C	6 A (CWC)	7.23Y	120.6	0.00	4.42	5.46	4	38	10	97	0.00	0.0	2.238	0.005	0	0	0	5
PD.2322	PL.14974	C	65T	7.23Y	120.6	0.00	4.42	5.46	0	38	10	97	0.00	0.0	2.238	0.005	0	0	0	5
PL.14975	PD.2322	C	6 A (CWC)	7.23Y	120.6	0.00	4.43	5.46	4	38	10	97	0.00	0.0	2.256	0.018	15	4	1	5
PL.14771	PL.14975	C	6 A (CWC)	7.23Y	120.6	0.00	4.43	3.31	2	23	6	97	0.00	0.0	2.299	0.043	23	6	4	4
PL.15088	PL.27902	ABC	#3/0 ACSR	7.23Y	120.6	0.00	4.42	4.10	1	86	24	96	0.00	0.0	2.278	0.044	0	0	0	11
PL.15089	PL.15088	ABC	#3/0 ACSR	7.23Y	120.6	0.00	4.43	4.10	1	86	24	96	0.00	0.0	2.301	0.024	2	1	2	11
PL.15054	PL.15089	C	#1/0 ACSR	7.23Y	120.6	0.00	4.43	7.00	3	49	13	97	0.00	0.0	2.305	0.004	0	0	0	2
PD.2363	PL.15054	C	65T	7.23Y	120.6	0.00	4.43	7.00	0	49	13	97	0.00	0.0	2.305	0.004	0	0	0	2
PL.15055	PD.2363	C	#1/0 ACSR	7.23Y	120.6	0.00	4.43	7.00	3	49	13	97	0.00	0.0	2.341	0.036	49	13	2	2
PL.15056	PL.15089	C	#1/0 ACSR	7.23Y	120.6	0.00	4.43	0.46	0	3	1	95	0.00	0.0	2.305	0.004	0	0	0	2
PD.2364	PL.15056	C	65T	7.23Y	120.6	0.00	4.43	0.46	0	3	1	95	0.00	0.0	2.305	0.004	0	0	0	2
PL.15057	PD.2364	C	#1/0 ACSR	7.23Y	120.6	0.00	4.43	0.46	0	3	1	95	0.00	0.0	2.344	0.038	0	0	0	2
PL.14330	PL.15057	C	#1/0 ACSR	7.23Y	120.6	0.00	4.43	0.46	0	3	1	95	0.00	0.0	2.392	0.048	3	1	2	2
PL.15058	PL.15089	ABC	#3/0 ACSR	7.23Y	120.6	0.00	4.43	1.51	1	31	10	95	0.00	0.0	2.305	0.004	0	0	0	3
PL.15059	PL.15058	ABC	#3/0 ACSR	7.23Y	120.6	0.00	4.43	1.51	1	31	10	95	0.00	0.0	2.410	0.105	31	10	3	3
PL.14976	PL.15089	A	#1/0 ACSR	7.23Y	120.6	0.00	4.43	0.02	0	0	0	100	0.00	0.0	2.305	0.004	0	0	0	2
PD.2323	PL.14976	A	65T	7.23Y	120.6	0.00	4.43	0.02	0	0	0	100	0.00	0.0	2.305	0.004	0	0	0	2
PL.14977	PD.2323	A	#1/0 ACSR	7.23Y	120.6	0.00	4.43	0.02	0	0	0	100	0.00	0.0	2.353	0.048	0	0	1	2
PL.14770	PL.14977	A	#1/0 ACSR	7.23Y	120.6	0.00	4.43	0.00	0	0	0	100	0.00	0.0	2.423	0.070	0	0	1	1
CP.24	PL.15088	ABC	Cap (300)	7.23Y	120.6	0.00	4.42	0.00	0	0	0	100	0.00	0.0	2.278	0.070	0	0	0	0
PL.14628	PL.14323	B	6 A (CWC)	7.24Y	120.6	0.01	4.40	4.60	3	32	9	96	0.00	0.0	2.140	0.044	0	0	0	11
PD.2362	PL.14628	B	65T	7.24Y	120.6	0.00	4.40	4.60	0	32	9	96	0.00	0.0	2.140	0.044	0	0	0	11
PL.14629	PD.2362	B	6 A (CWC)	7.24Y	120.6	0.00	4.40	0.02	0	0	0	100	0.00	0.0	2.149	0.009	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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.14630	PL.14629	B	6 A (CWC)	7.24Y	120.6	0.00	4.40	0.02	0	0	0	100	0.00	0.0	2.149	0.000	0	0	0	1
PL.14326	PL.14630	B	6 A (CWC)	7.24Y	120.6	0.00	4.40	0.02	0	0	0	100	0.00	0.0	2.214	0.065	0	0	1	1
PL.14765	PD.2362	B	6 A (CWC)	7.24Y	120.6	0.01	4.41	4.58	3	32	9	96	0.00	0.0	2.166	0.026	1	0	2	10
PL.14766	PL.14765	B	6 A (CWC)	7.23Y	120.6	0.01	4.42	4.50	3	31	8	97	0.00	0.0	2.207	0.041	0	0	1	8
PL.14764	PL.14766	B	6 A (CWC)	7.23Y	120.6	0.01	4.43	4.50	3	31	8	97	0.00	0.0	2.246	0.040	0	0	1	7
PL.14627	PL.14764	B	6 A (CWC)	7.23Y	120.6	0.00	4.43	1.24	1	9	2	98	0.00	0.0	2.282	0.036	9	2	3	3
PL.14748	PL.14764	B	6 A (CWC)	7.23Y	120.6	0.01	4.43	3.26	2	23	6	97	0.00	0.0	2.339	0.092	18	5	2	3
PL.14749	PL.14748	B	6 A (CWC)	7.23Y	120.6	0.00	4.44	0.73	1	5	1	98	0.00	0.0	2.358	0.019	0	0	0	1
PL.14327	PL.14749	B	6 A (CWC)	7.23Y	120.6	0.00	4.44	0.00	0	0	0	100	0.00	0.0	2.392	0.034	0	0	0	0
PL.14328	PL.14749	B	6 A (CWC)	7.23Y	120.6	0.00	4.44	0.73	1	5	1	98	0.00	0.0	2.404	0.047	5	1	1	1
PL.15064	PL.14403	ABC	#1/0 ACSR	7.24Y	120.7	0.00	4.31	3.37	1	66	32	90	0.00	0.0	1.914	0.005	0	0	0	3
PD.2368	PL.15064	ABC	65T	7.24Y	120.7	0.00	4.31	3.37	0	66	32	90	0.00	0.0	1.914	0.005	0	0	0	3
PL.15065	PD.2368	ABC	#1/0 ACSR	7.24Y	120.7	0.00	4.31	3.37	1	66	32	90	0.00	0.0	1.939	0.025	0	0	0	3
PL.14325	PL.15065	B	#1/0 ACSR	7.24Y	120.7	0.00	4.31	0.10	0	1	0	100	0.00	0.0	1.984	0.046	1	0	1	1
PL.14914	PL.15065	ABC	#1/0 ACSR	7.24Y	120.7	0.00	4.31	3.33	1	65	32	90	0.00	0.0	1.948	0.009	45	22	1	2
PL.14915	PL.14914	ABC	#1/0 ACSR	7.24Y	120.7	0.00	4.31	1.03	0	20	10	89	0.00	0.0	1.953	0.005	0	0	0	1
PL.14324	PL.14915	ABC	#1/0 ACSR	7.24Y	120.7	0.00	4.31	1.03	0	20	10	89	0.00	0.0	1.981	0.029	20	10	1	1
PL.14611	PL.15069	C	6 A (CWC)	7.26Y	121.0	0.00	4.00	4.88	3	34	9	97	0.00	0.0	1.580	0.004	0	0	0	5
PD.2318	PL.14611	C	30T	7.26Y	121.0	0.00	4.00	4.88	0	34	9	97	0.00	0.0	1.580	0.004	0	0	0	5
PL.14761	PD.2318	C	6 A (CWC)	7.26Y	121.0	0.01	4.01	4.88	3	34	9	97	0.00	0.0	1.654	0.074	21	6	2	5
PL.14762	PL.14761	C	6 A (CWC)	7.26Y	121.0	0.00	4.01	1.82	1	13	3	97	0.00	0.0	1.727	0.073	9	2	1	3
PL.14755	PL.14762	C	6 A (CWC)	7.26Y	121.0	0.00	4.02	0.58	0	4	1	97	0.00	0.0	1.907	0.181	0	0	0	2
PL.14718	PL.14755	C	6 A (CWC)	7.26Y	121.0	0.00	4.02	0.58	0	4	1	97	0.00	0.0	1.987	0.080	1	0	1	2
PL.14719	PL.14718	C	6 A (CWC)	7.26Y	121.0	0.00	4.02	0.44	0	3	1	95	0.00	0.0	2.019	0.032	0	0	0	1
PL.14509	PL.14719	C	6 A (CWC)	7.26Y	121.0	0.00	4.02	0.00	0	0	0	100	0.00	0.0	2.129	0.110	0	0	0	0
PL.14385	PL.14509	C	6 A (CWC)	7.26Y	121.0	0.00	4.02	0.00	0	0	0	100	0.00	0.0	2.199	0.070	0	0	0	0
PL.14386	PL.14385	C	6 A (CWC)	7.26Y	121.0	0.00	4.02	0.00	0	0	0	100	0.00	0.0	2.297	0.098	0	0	0	0
PL.14289	PL.14386	C	6 A (CWC)	7.26Y	121.0	0.00	4.02	0.00	0	0	0	100	0.00	0.0	2.377	0.080	0	0	0	0
PL.14387	PL.14289	C	6 A (CWC)	7.26Y	121.0	0.00	4.02	0.00	0	0	0	100	0.00	0.0	2.541	0.164	0	0	0	0
PL.14288	PL.14719	C	#2 ACSR	7.26Y	121.0	0.00	4.02	0.44	0	3	1	95	0.00	0.0	2.156	0.138	3	1	1	1
PL.14612	PD.2318	C	#2 ACSR	7.26Y	121.0	0.00	4.00	0.00	0	0	0	100	0.00	0.0	1.586	0.006	0	0	0	0

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Balanced Voltage Drop Report  
Source: Booneville

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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.14613	PL.14612	C	#2 ACSR	7.26Y	121.0	0.00	4.00	0.00	0	0	0	100	0.00	0.0	1.586	0.000	0	0	0	0
PL.14286	PL.14613	C	#2 ACSR	7.26Y	121.0	0.00	4.00	0.00	0	0	0	100	0.00	0.0	1.602	0.016	0	0	0	0
PL.15082	PL.14616	ABC	#1/0 ACSR	7.30Y	121.7	0.02	3.34	24.82	11	525	142	97	0.06	0.0	1.302	0.037	0	0	0	99
PD.2376	PL.15082	ABC	70L	7.30Y	121.7	0.00	3.34	24.82	35	525	142	97	0.00	0.0	1.302	0.037	0	0	0	99
PL.15083	PD.2376	ABC	#1/0 ACSR	7.30Y	121.6	0.02	3.36	24.82	11	525	142	97	0.09	0.0	1.354	0.052	0	0	0	99
PL.14252	PL.15083	A	#4 ACSR	7.30Y	121.6	0.00	3.36	0.48	0	3	1	95	0.00	0.0	1.416	0.061	3	1	1	1
PL.14772	PL.15083	ABC	#1/0 ACSR	7.30Y	121.6	0.04	3.41	24.56	11	519	140	97	0.15	0.0	1.449	0.095	5	1	1	97
PL.14773	PL.14772	ABC	#1/0 ACSR	7.29Y	121.6	0.02	3.42	24.33	11	514	139	97	0.07	0.0	1.493	0.044	0	0	0	96
PL.14530	PL.14773	ABC	#1/0 ACSR	7.29Y	121.6	0.01	3.44	23.70	10	501	135	97	0.05	0.0	1.526	0.033	14	4	2	95
PL.15028	PL.14530	A	6 A (CWC)	7.29Y	121.6	0.00	3.44	1.51	1	11	3	96	0.00	0.0	1.530	0.004	0	0	0	3
PD.2349	PL.15028	A	30T	7.29Y	121.6	0.00	3.44	1.51	0	11	3	96	0.00	0.0	1.530	0.004	0	0	0	3
PL.15029	PD.2349	A	6 A (CWC)	7.29Y	121.6	0.00	3.44	1.51	1	11	3	96	0.00	0.0	1.581	0.051	8	2	2	3
PL.14760	PL.15029	A	6 A (CWC)	7.29Y	121.6	0.00	3.44	0.36	0	3	1	95	0.00	0.0	1.625	0.044	3	1	1	1
PL.14970	PL.14530	C	#1/0 ACSR	7.29Y	121.6	0.00	3.44	0.00	0	0	0	100	0.00	0.0	1.530	0.004	0	0	0	0
PD.2320	PL.14970	C	30T	7.29Y	121.6	0.00	3.44	0.00	0	0	0	100	0.00	0.0	1.530	0.004	0	0	0	0
PL.14971	PD.2320	C	#1/0 ACSR	7.29Y	121.6	0.00	3.44	0.00	0	0	0	100	0.00	0.0	1.548	0.017	0	0	0	0
PL.14758	PL.14530	ABC	#1/0 ACSR	7.29Y	121.5	0.01	3.45	22.53	10	476	128	97	0.05	0.0	1.561	0.035	5	1	1	90
PL.14759	PL.14758	ABC	#1/0 ACSR	7.29Y	121.5	0.01	3.47	22.28	10	471	127	97	0.05	0.0	1.596	0.035	0	0	0	89
PL.14756	PL.14759	ABC	#1/0 ACSR	7.29Y	121.5	0.01	3.48	20.50	9	433	117	97	0.04	0.0	1.634	0.038	7	2	2	83
PL.14757	PL.14756	ABC	#1/0 ACSR	7.29Y	121.5	0.06	3.54	20.17	9	426	115	97	0.17	0.0	1.793	0.159	0	0	0	81
PL.15030	PL.14757	A	#4 ACSR	7.29Y	121.5	0.00	3.54	2.72	2	19	5	97	0.00	0.0	1.797	0.004	0	0	0	3
PD.2350	PL.15030	A	30T	7.29Y	121.5	0.00	3.54	2.72	0	19	5	97	0.00	0.0	1.797	0.004	0	0	0	3
PL.15031	PD.2350	A	#4 ACSR	7.29Y	121.5	0.00	3.54	2.72	2	19	5	97	0.00	0.0	1.835	0.038	19	5	3	3
PL.14514	PL.14757	ABC	#1/0 ACSR	7.29Y	121.5	0.01	3.55	13.22	6	279	75	97	0.02	0.0	1.832	0.039	3	1	1	55
PL.14962	PL.14514	A	#2 ACSR	7.29Y	121.5	0.00	3.55	2.21	1	16	4	97	0.00	0.0	1.836	0.004	0	0	0	2
PD.2315	PL.14962	A	30T	7.29Y	121.5	0.00	3.55	2.21	0	16	4	97	0.00	0.0	1.836	0.004	0	0	0	2
PL.14963	PD.2315	A	#2 ACSR	7.29Y	121.5	0.00	3.55	2.21	1	16	4	97	0.00	0.0	1.879	0.043	9	3	1	2
PL.14256	PL.14963	A	#2 ACSR	7.29Y	121.4	0.00	3.55	0.87	0	6	2	95	0.00	0.0	1.977	0.097	6	2	1	1
PL.14511	PL.14514	ABC	#1/0 ACSR	7.29Y	121.4	0.03	3.58	12.35	5	261	70	97	0.05	0.0	1.958	0.126	0	0	0	52
PL.14399	PL.14511	ABC	#1/0 ACSR	7.28Y	121.4	0.03	3.60	12.35	5	261	70	97	0.05	0.0	2.079	0.120	0	0	0	52
PL.14497	PL.14399	ABC	#1/0 ACSR	7.28Y	121.4	0.02	3.62	12.35	5	261	70	97	0.03	0.0	2.148	0.070	16	4	1	52

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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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.14498	PL.14497	ABC	#1/0 ACSR	7.28Y	121.4	0.01	3.63	11.61	5	245	66	97	0.02	0.0	2.218	0.069	5	1	1	51
PL.14263	PL.14498	A	#4 ACSR	7.28Y	121.4	0.00	3.63	0.03	0	0	0	100	0.00	0.0	2.308	0.091	0	0	0	1
PL.14265	PL.14263	A	#4 ACSR	7.28Y	121.4	0.00	3.63	0.03	0	0	0	100	0.00	0.0	2.419	0.111	0	0	1	1
PL.14496	PL.14498	ABC	#1/0 ACSR	7.28Y	121.4	0.01	3.64	11.37	5	240	64	97	0.01	0.0	2.252	0.035	0	0	0	49
PL.14958	PL.14496	A	#2 ACSR	7.28Y	121.4	0.00	3.64	2.06	1	14	4	96	0.00	0.0	2.257	0.005	0	0	0	2
PD.2313	PL.14958	A	30T	7.28Y	121.4	0.00	3.64	2.06	0	14	4	96	0.00	0.0	2.257	0.005	0	0	0	2
PL.14959	PD.2313	A	#2 ACSR	7.28Y	121.4	0.00	3.64	2.06	1	14	4	96	0.00	0.0	2.337	0.080	7	2	1	2
PL.14264	PL.14959	A	#2 ACSR	7.28Y	121.4	0.00	3.64	1.04	1	7	2	96	0.00	0.0	2.419	0.083	7	2	1	1
PL.14733	PL.14496	ABC	#1/0 ACSR	7.28Y	121.4	0.01	3.65	8.82	4	186	50	97	0.01	0.0	2.299	0.047	5	1	1	36
PL.14734	PL.14733	ABC	#1/0 ACSR	7.28Y	121.3	0.01	3.66	8.60	4	181	49	97	0.01	0.0	2.371	0.073	8	2	1	35
PL.14267	PL.14734	C	#2 ACSR	7.28Y	121.3	0.00	3.66	0.66	0	5	1	98	0.00	0.0	2.399	0.027	5	1	1	1
PL.14495	PL.14734	ABC	#1/0 ACSR	7.28Y	121.3	0.01	3.67	7.99	3	168	45	97	0.01	0.0	2.434	0.062	0	0	0	33
PL.14492	PL.14495	C	#2 ACSR	7.28Y	121.3	0.00	3.67	0.50	0	4	1	97	0.00	0.0	2.439	0.005	0	0	0	4
PD.2309	PL.14492	C	30T	7.28Y	121.3	0.00	3.67	0.50	0	4	1	97	0.00	0.0	2.439	0.005	0	0	0	4
PL.14714	PD.2309	C	#2 ACSR	7.28Y	121.3	0.00	3.67	0.11	0	1	0	100	0.00	0.0	2.450	0.012	0	0	0	2
PL.14715	PL.14714	C	#2 ACSR	7.28Y	121.3	0.00	3.67	0.11	0	1	0	100	0.00	0.0	2.507	0.057	1	0	2	2
PL.14488	PD.2309	C	#2 ACSR	7.28Y	121.3	0.00	3.67	0.39	0	3	1	95	0.00	0.0	2.442	0.004	0	0	0	2
PL.14489	PL.14488	C	#2 ACSR	7.28Y	121.3	0.00	3.67	0.39	0	3	1	95	0.00	0.0	2.442	0.000	0	0	0	2
PL.14486	PL.14489	C	#2 ACSR	7.28Y	121.3	0.00	3.67	0.39	0	3	1	95	0.00	0.0	2.446	0.003	0	0	0	2
PL.14487	PL.14486	C	#2 ACSR	7.28Y	121.3	0.00	3.67	0.39	0	3	1	95	0.00	0.0	2.446	0.000	0	0	0	2
PL.14490	PL.14487	C	#2 ACSR	7.28Y	121.3	0.00	3.67	0.39	0	3	1	95	0.00	0.0	2.450	0.005	0	0	0	2
PL.14491	PL.14490	C	#2 ACSR	7.28Y	121.3	0.00	3.67	0.39	0	3	1	95	0.00	0.0	2.450	0.000	0	0	0	2
PL.14268	PL.14491	C	#2 ACSR	7.28Y	121.3	0.00	3.67	0.39	0	3	1	95	0.00	0.0	2.462	0.011	3	1	2	2
PL.14493	PL.14495	ABC	#1/0 ACSR	7.28Y	121.3	0.00	3.67	7.82	3	165	44	97	0.00	0.0	2.438	0.004	0	0	0	29
PL.14716	PL.14493	ABC	#1/0 ACSR	7.28Y	121.3	0.00	3.67	7.82	3	165	44	97	0.00	0.0	2.468	0.030	10	3	1	29
PL.14717	PL.14716	ABC	#1/0 ACSR	7.28Y	121.3	0.01	3.68	7.37	3	155	42	97	0.01	0.0	2.541	0.073	11	3	1	28
PL.14713	PL.14717	ABC	#1/0 ACSR	7.28Y	121.3	0.01	3.69	6.83	3	144	39	97	0.01	0.0	2.651	0.110	0	0	0	27
PL.14950	PL.14713	C	#2 ACSR	7.28Y	121.3	0.00	3.69	5.21	3	37	10	97	0.00	0.0	2.655	0.005	0	0	0	4
PD.2310	PL.14950	C	30T	7.28Y	121.3	0.00	3.69	5.21	0	37	10	97	0.00	0.0	2.655	0.005	0	0	0	4
PL.14951	PD.2310	C	#2 ACSR	7.28Y	121.3	0.01	3.70	5.21	3	37	10	97	0.00	0.0	2.697	0.041	9	3	1	4
PL.14712	PL.14951	C	#2 ACSR	7.28Y	121.3	0.00	3.70	3.87	2	27	7	97	0.00	0.0	2.730	0.034	0	0	0	3

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.14269	PL.14712	C	#2 ACSR	7.28Y	121.3	0.01	3.71	3.87	2	27	7	97	0.00	0.0	2.825	0.095	27	7	3	3
PL.14709	PL.14713	ABC	#1/0 ACSR	7.28Y	121.3	0.01	3.70	5.10	2	107	29	97	0.01	0.0	2.745	0.094	2	0	1	23
PL.27906	PL.14709	C	#1/0 ACSR	7.28Y	121.3	0.00	3.70	0.00	0	0	0	100	0.00	0.0	2.749	0.003	0	0	0	1
PD.3862	PL.27906	C	30T	7.28Y	121.3	0.00	3.70	0.00	0	0	0	100	0.00	0.0	2.749	0.003	0	0	0	1
PL.27907	PD.3862	C	#1/0 ACSR	7.28Y	121.3	0.00	3.70	0.00	0	0	0	100	0.00	0.0	2.820	0.071	0	0	0	1
PL.27918	PL.27907	C	#1/0 ACSR	7.28Y	121.3	0.00	3.70	0.00	0	0	0	100	0.00	0.0	2.878	0.059	0	0	0	1
PL.27919	PL.27918	C	#1/0 ACSR	7.28Y	121.3	0.00	3.70	0.00	0	0	0	100	0.00	0.0	2.922	0.044	0	0	1	1
PL.14710	PL.14709	ABC	#1/0 ACSR	7.28Y	121.3	0.00	3.70	5.03	2	106	28	97	0.00	0.0	2.782	0.037	9	2	1	21
PL.14711	PL.14710	ABC	#1/0 ACSR	7.28Y	121.3	0.01	3.72	4.61	2	97	26	97	0.01	0.0	2.908	0.126	0	0	0	20
PL.14400	PL.14711	ABC	#1/0 ACSR	7.28Y	121.3	0.01	3.73	4.61	2	97	26	97	0.01	0.0	3.039	0.131	0	0	0	20
PL.14482	PL.14400	ABC	#1/0 ACSR	7.28Y	121.3	0.00	3.73	4.61	2	97	26	97	0.00	0.0	3.078	0.039	0	0	0	20
PL.14483	PL.14482	ABC	#1/0 ACSR	7.28Y	121.3	0.01	3.74	4.20	2	89	24	97	0.00	0.0	3.181	0.103	4	1	1	19
PL.14956	PL.14483	ABC	#1/0 ACSR	7.28Y	121.3	0.00	3.74	4.00	2	84	23	96	0.00	0.0	3.229	0.048	0	0	0	18
PL.14957	PL.14956	ABC	#1/0 ACSR	7.28Y	121.3	0.00	3.74	4.00	2	84	23	96	0.00	0.0	3.233	0.005	0	0	0	18
PL.14480	PL.14957	ABC	#1/0 ACSR	7.28Y	121.3	0.01	3.75	3.66	2	77	21	96	0.00	0.0	3.338	0.104	0	0	0	17
PL.14477	PL.14480	ABC	#1/0 ACSR	7.27Y	121.2	0.01	3.76	3.66	2	77	21	96	0.01	0.0	3.487	0.149	0	0	0	16
PL.14274	PL.14477	ABC	#1/0 ACSR	7.27Y	121.2	0.00	3.76	3.66	2	77	21	96	0.00	0.0	3.497	0.010	0	0	0	16
PL.14982	PL.14274	A	6 A (CWC)	7.27Y	121.2	0.00	3.76	1.25	1	9	2	98	0.00	0.0	3.501	0.005	0	0	0	6
PD.2326	PL.14982	A	30T	7.27Y	121.2	0.00	3.76	1.25	0	9	2	98	0.00	0.0	3.501	0.005	0	0	0	6
PL.14983	PD.2326	A	6 A (CWC)	7.27Y	121.2	0.00	3.76	1.25	1	9	2	98	0.00	0.0	3.531	0.029	5	1	2	6
PL.14782	PL.14983	A	6 A (CWC)	7.27Y	121.2	0.00	3.76	0.51	0	4	1	97	0.00	0.0	3.611	0.080	1	0	2	4
PL.14781	PL.14782	A	6 A (CWC)	7.27Y	121.2	0.00	3.76	0.35	0	2	1	89	0.00	0.0	3.766	0.155	0	0	0	2
PL.14401	PL.14781	A	6 A (CWC)	7.27Y	121.2	0.00	3.76	0.35	0	2	1	89	0.00	0.0	3.848	0.082	0	0	0	2
PL.14275	PL.14401	A	#4 ACSR	7.27Y	121.2	0.00	3.77	0.35	0	2	1	89	0.00	0.0	3.996	0.148	0	0	0	2
PL.14466	PL.14275	A	#4 ACSR	7.27Y	121.2	0.00	3.77	0.35	0	2	1	89	0.00	0.0	4.044	0.048	0	0	0	2
PL.14276	PL.14466	A	#1/0 ACSR	7.27Y	121.2	0.00	3.77	0.00	0	0	0	100	0.00	0.0	4.113	0.069	0	0	0	0
PL.14467	PL.14466	A	#4 ACSR	7.27Y	121.2	0.00	3.77	0.35	0	2	1	89	0.00	0.0	4.205	0.161	0	0	0	2
PL.14277	PL.14467	A	#4 ACSR	7.27Y	121.2	0.00	3.77	0.35	0	2	1	89	0.00	0.0	4.273	0.068	2	1	2	2
PL.15036	PL.14274	C	6 A (CWC)	7.27Y	121.2	0.00	3.76	9.72	7	68	18	97	0.00	0.0	3.501	0.004	0	0	0	10
PD.2353	PL.15036	C	30T	7.27Y	121.2	0.00	3.76	9.72	0	68	18	97	0.00	0.0	3.501	0.004	0	0	0	10
PL.15037	PD.2353	C	6 A (CWC)	7.27Y	121.2	0.04	3.80	9.72	7	68	18	97	0.02	0.0	3.593	0.092	0	0	0	10

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Balanced Voltage Drop Report  
Source: Booneville

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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.14476	PL.15037	C	6 A (CWC)	7.27Y	121.2	0.03	3.83	8.67	6	61	16	97	0.01	0.0	3.668	0.075	0	0	0	9
PL.14783	PL.14476	C	6 A (CWC)	7.27Y	121.1	0.03	3.86	6.94	5	49	13	97	0.01	0.0	3.768	0.100	10	3	3	8
PL.14784	PL.14783	C	6 A (CWC)	7.27Y	121.1	0.03	3.89	5.53	4	39	10	97	0.01	0.0	3.888	0.120	0	0	1	5
PL.14789	PL.14784	C	6 A (CWC)	7.27Y	121.1	0.02	3.91	5.53	4	39	10	97	0.01	0.0	3.968	0.080	8	2	1	4
PL.14790	PL.14789	C	6 A (CWC)	7.26Y	121.1	0.03	3.94	4.41	3	31	8	97	0.01	0.0	4.117	0.149	0	0	0	3
PL.14787	PL.14790	C	6 A (CWC)	7.26Y	121.0	0.02	3.96	4.41	3	31	8	97	0.01	0.0	4.233	0.116	0	0	0	3
PL.14788	PL.14787	C	6 A (CWC)	7.26Y	121.0	0.03	3.99	4.41	3	31	8	97	0.01	0.0	4.384	0.151	0	0	0	3
PL.14402	PL.14788	C	6 A (CWC)	7.26Y	121.0	0.02	4.01	4.41	3	31	8	97	0.00	0.0	4.467	0.084	0	0	0	3
PL.14785	PL.14402	C	6 A (CWC)	7.26Y	121.0	0.03	4.03	4.41	3	31	8	97	0.01	0.0	4.598	0.131	2	0	1	3
PL.14786	PL.14785	C	6 A (CWC)	7.26Y	120.9	0.03	4.06	4.18	3	29	8	96	0.01	0.0	4.733	0.135	0	0	0	2
PL.14280	PL.14786	C	6 A (CWC)	7.26Y	120.9	0.00	4.06	2.31	2	16	4	97	0.00	0.0	4.797	0.064	16	4	1	1
PL.14281	PL.14786	C	6 A (CWC)	7.26Y	120.9	0.00	4.06	1.87	1	13	4	96	0.00	0.0	4.804	0.071	13	4	1	1
PL.14279	PL.14476	C	#2 ACSR	7.27Y	121.2	0.00	3.83	1.73	1	12	3	97	0.00	0.0	3.719	0.051	12	3	1	1
PL.14278	PL.15037	C	#2 ACSR	7.27Y	121.2	0.00	3.80	1.05	1	7	2	96	0.00	0.0	3.638	0.045	7	2	1	1
PL.14952	PL.14480	A	#2 ACSR	7.28Y	121.3	0.00	3.75	0.00	0	0	0	100	0.00	0.0	3.342	0.005	0	0	0	1
PD.2311	PL.14952	A	30T	7.28Y	121.3	0.00	3.75	0.00	0	0	0	100	0.00	0.0	3.342	0.005	0	0	0	1
PL.14953	PD.2311	A	6 A (CWC)	7.28Y	121.3	0.00	3.75	0.00	0	0	0	100	0.00	0.0	3.367	0.024	0	0	1	1
PL.14272	PL.14953	A	#2 ACSR	7.28Y	121.3	0.00	3.75	0.00	0	0	0	100	0.00	0.0	3.465	0.098	0	0	0	0
PL.14273	PL.14272	A	#2 ACSR	7.28Y	121.3	0.00	3.75	0.00	0	0	0	100	0.00	0.0	3.576	0.111	0	0	0	0
PL.14954	PL.14957	C	#1/0 ACSR	7.28Y	121.3	0.00	3.74	1.02	0	7	2	96	0.00	0.0	3.238	0.005	0	0	0	1
PD.2312	PL.14954	C	30T	7.28Y	121.3	0.00	3.74	1.02	0	7	2	96	0.00	0.0	3.238	0.005	0	0	0	1
PL.14955	PD.2312	C	#1/0 ACSR	7.28Y	121.3	0.00	3.74	1.02	0	7	2	96	0.00	0.0	3.259	0.021	0	0	0	1
PL.14271	PL.14955	C	#1/0 ACSR	7.28Y	121.3	0.00	3.74	1.02	0	7	2	96	0.00	0.0	3.388	0.129	7	2	1	1
PL.15034	PL.14482	C	#2 ACSR	7.28Y	121.3	0.00	3.73	1.22	1	9	2	98	0.00	0.0	3.082	0.004	0	0	0	1
PD.2352	PL.15034	C	30T	7.28Y	121.3	0.00	3.73	1.22	0	9	2	98	0.00	0.0	3.082	0.004	0	0	0	1
PL.15035	PD.2352	C	#2 ACSR	7.28Y	121.3	0.00	3.73	1.22	1	9	2	98	0.00	0.0	3.196	0.114	0	0	0	1
PL.14270	PL.15035	C	#2 ACSR	7.28Y	121.3	0.00	3.73	1.22	1	9	2	98	0.00	0.0	3.244	0.048	9	2	1	1
PL.15032	PL.14496	C	#2 ACSR	7.28Y	121.4	0.00	3.64	5.60	3	39	11	96	0.00	0.0	2.257	0.005	0	0	0	11
PD.2351	PL.15032	C	30T	7.28Y	121.4	0.00	3.64	5.60	0	39	11	96	0.00	0.0	2.257	0.005	0	0	0	11
PL.15033	PD.2351	C	#2 ACSR	7.28Y	121.4	0.01	3.65	5.60	3	39	11	96	0.00	0.0	2.328	0.072	17	4	3	11
PL.14720	PL.15033	C	#4 ACSR	7.28Y	121.3	0.01	3.66	1.95	2	14	4	96	0.00	0.0	2.432	0.104	7	2	2	6

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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

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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	Length (mi)	-----Element-----		Cons On	Cons Thru
-----																				
PL.14721	PL.14720	C	#4 ACSR	7.28Y	121.3	0.00	3.66	0.92	1	6	2	95	0.00	0.0	2.479	0.047	2	0	1	4
PL.65700	PL.14721	C	#4 ACSR	7.28Y	121.3	0.00	3.66	0.68	1	5	1	98	0.00	0.0	2.534	0.055	5	1	3	3
PL.65701	PL.65700	C	#4 ACSR	7.28Y	121.3	0.00	3.66	0.00	0	0	0	100	0.00	0.0	2.540	0.006	0	0	0	0
PL.14266	PL.15033	C	#2 ACSR	7.28Y	121.3	0.01	3.65	1.29	1	9	2	98	0.00	0.0	2.459	0.131	0	0	0	2
PL.14284	PL.14266	C	#2 ACSR	7.28Y	121.3	0.00	3.66	1.29	1	9	2	98	0.00	0.0	2.540	0.081	9	2	2	2
PL.14960	PL.14757	C	#4 ACSR	7.29Y	121.4	0.02	3.55	18.13	14	128	34	97	0.02	0.0	1.813	0.020	0	0	0	23
PL.27903	PL.14960	C	6 A (CWC)	7.29Y	121.4	0.00	3.56	18.13	13	128	34	97	0.00	0.0	1.815	0.003	0	0	0	23
PD.3861	PL.27903	C	30T	7.29Y	121.4	0.00	3.56	18.13	0	128	34	97	0.00	0.0	1.815	0.003	0	0	0	23
PL.27904	PD.3861	C	6 A (CWC)	7.28Y	121.4	0.03	3.59	18.13	13	128	34	97	0.03	0.0	1.853	0.037	13	3	2	23
PL.14724	PL.27904	C	6 A (CWC)	7.28Y	121.4	0.04	3.62	16.35	12	115	31	97	0.03	0.0	1.907	0.055	11	3	2	21
PL.14512	PL.14724	C	#4 ACSR	7.28Y	121.4	0.00	3.63	2.59	2	18	5	96	0.00	0.0	1.924	0.017	0	0	0	3
PL.14257	PL.14512	C	#2 ACSR	7.28Y	121.4	0.00	3.63	0.00	0	0	0	100	0.00	0.0	1.942	0.018	0	0	0	0
PL.14725	PL.14512	C	#4 ACSR	7.28Y	121.4	0.00	3.63	2.59	2	18	5	96	0.00	0.0	1.952	0.028	6	2	1	3
PL.14726	PL.14725	C	#4 ACSR	7.28Y	121.4	0.00	3.63	1.70	1	12	3	97	0.00	0.0	1.980	0.027	12	3	2	2
PL.14727	PL.14724	C	6 A (CWC)	7.28Y	121.3	0.03	3.65	12.19	9	86	23	97	0.02	0.0	1.960	0.053	0	0	0	16
PL.14728	PL.14727	C	6 A (CWC)	7.28Y	121.3	0.03	3.68	12.19	9	86	23	97	0.02	0.0	2.008	0.048	0	0	0	16
PL.14775	PL.14728	C	#4 ACSR	7.28Y	121.3	0.02	3.70	11.39	9	80	22	96	0.01	0.0	2.057	0.049	11	3	1	10
PL.14776	PL.14775	C	#4 ACSR	7.28Y	121.3	0.01	3.72	9.80	8	69	18	97	0.01	0.0	2.091	0.034	17	5	2	9
PL.14259	PL.14776	C	#4 ACSR	7.28Y	121.3	0.00	3.72	0.60	0	4	1	97	0.00	0.0	2.141	0.050	4	1	1	1
PL.14518	PL.14776	C	#4 ACSR	7.28Y	121.3	0.01	3.73	5.48	4	38	10	97	0.00	0.0	2.139	0.047	17	5	2	4
PL.14260	PL.14518	C	#2 ACSR	7.28Y	121.3	0.00	3.73	0.00	0	0	0	100	0.00	0.0	2.148	0.010	0	0	0	0
PL.14519	PL.14518	C	#4 ACSR	7.28Y	121.3	0.00	3.73	3.00	2	21	6	96	0.00	0.0	2.173	0.034	21	6	2	2
PL.14258	PL.14776	C	#2 ACSR	7.28Y	121.3	0.00	3.72	1.34	1	9	3	95	0.00	0.0	2.115	0.024	9	3	2	2
PL.14731	PL.14728	C	6 A (CWC)	7.28Y	121.3	0.01	3.69	0.79	1	6	1	99	0.00	0.0	2.181	0.172	0	0	0	6
PL.14732	PL.14731	C	6 A (CWC)	7.28Y	121.3	0.00	3.69	0.79	1	6	1	99	0.00	0.0	2.315	0.135	1	0	1	6
PL.14729	PL.14732	C	#4 ACSR	7.28Y	121.3	0.00	3.69	0.65	1	5	1	98	0.00	0.0	2.442	0.127	1	0	2	5
PL.14730	PL.14729	C	#4 ACSR	7.28Y	121.3	0.00	3.70	0.55	0	4	1	97	0.00	0.0	2.503	0.062	4	1	2	3
PL.65702	PL.14730	C	#2 ACSR	7.28Y	121.3	0.00	3.70	0.00	0	0	0	100	0.00	0.0	2.560	0.057	0	0	1	1
PL.65703	PL.65702	C	#2 ACSR	7.28Y	121.3	0.00	3.70	0.00	0	0	0	100	0.00	0.0	2.567	0.006	0	0	0	0
PL.14968	PL.14759	A	#2 ACSR	7.29Y	121.5	0.00	3.47	5.35	3	38	10	97	0.00	0.0	1.600	0.005	0	0	0	6
PD.2319	PL.14968	A	30T	7.29Y	121.5	0.00	3.47	5.35	0	38	10	97	0.00	0.0	1.600	0.005	0	0	0	6

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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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.14969	PD.2319	A	#2 ACSR	7.29Y	121.5	0.01	3.47	5.35	3	38	10	97	0.00	0.0	1.649	0.049	11	3	3	6
PL.14254	PL.14969	A	#2 ACSR	7.29Y	121.5	0.00	3.48	2.21	1	16	4	97	0.00	0.0	1.722	0.072	16	4	2	2
PL.14253	PL.14969	A	#2 ACSR	7.29Y	121.5	0.00	3.48	1.61	1	11	3	96	0.00	0.0	1.683	0.034	11	3	1	1
PL.14980	PL.14773	B	#2 ACSR	7.29Y	121.6	0.00	3.43	1.87	1	13	4	96	0.00	0.0	1.498	0.005	0	0	0	1
PD.2325	PL.14980	B	30T	7.29Y	121.6	0.00	3.43	1.87	0	13	4	96	0.00	0.0	1.498	0.005	0	0	0	1
PL.14981	PD.2325	B	#2 ACSR	7.29Y	121.6	0.00	3.43	1.87	1	13	4	96	0.00	0.0	1.535	0.037	13	4	1	1
PL.14978	PL.15083	A	#2 ACSR	7.30Y	121.6	0.00	3.36	0.30	0	2	1	89	0.00	0.0	1.359	0.005	0	0	0	1
PD.2324	PL.14978	A	30T	7.30Y	121.6	0.00	3.36	0.30	0	2	1	89	0.00	0.0	1.359	0.005	0	0	0	1
PL.14979	PD.2324	A	#2 ACSR	7.30Y	121.6	0.00	3.36	0.30	0	2	1	89	0.00	0.0	1.382	0.023	2	1	1	1
PL.14621	PL.14397	ABC	#4 ACSR	7.33Y	122.1	0.01	2.91	2.11	2	43	17	93	0.00	0.0	1.131	0.114	0	0	0	4
PL.14622	PL.14621	ABC	#4 ACSR	7.33Y	122.1	0.00	2.91	1.45	1	30	10	95	0.00	0.0	1.167	0.036	30	10	3	3
PL.14251	PL.14621	ABC	#4 ACSR	7.33Y	122.1	0.00	2.91	0.66	1	13	6	91	0.00	0.0	1.162	0.031	13	6	1	1
PL.15026	PL.14393	C	8 A (CWC)	7.40Y	123.3	0.00	1.67	0.16	0	1	0	100	0.00	0.0	0.654	0.004	0	0	0	1
PD.2348	PL.15026	C	65T	7.40Y	123.3	0.00	1.67	0.16	0	1	0	100	0.00	0.0	0.654	0.004	0	0	0	1
PL.15027	PD.2348	C	8 A (CWC)	7.40Y	123.3	0.00	1.67	0.16	0	1	0	100	0.00	0.0	0.661	0.007	0	0	0	1
PL.14249	PL.15027	C	#4 ACSR	7.40Y	123.3	0.00	1.68	0.16	0	1	0	100	0.00	0.0	0.788	0.127	0	0	0	1
PL.14396	PL.14249	C	#4 ACSR	7.40Y	123.3	0.00	1.68	0.16	0	1	0	100	0.00	0.0	0.889	0.101	1	0	1	1
PL.15060	PL.14391	C	6 A (CWC)	7.46Y	124.4	0.00	0.60	0.38	0	3	1	95	0.00	0.0	0.235	0.004	0	0	0	1
PD.2365	PL.15060	C	65T	7.46Y	124.4	0.00	0.60	0.38	0	3	1	95	0.00	0.0	0.235	0.004	0	0	0	1
PL.15061	PD.2365	C	6 A (CWC)	7.46Y	124.4	0.00	0.60	0.38	0	3	1	95	0.00	0.0	0.328	0.093	3	1	1	1
PL.16238	Booneville	ABC	336 MCM AC	7.50Y	125.0	0.01	0.01	150.97	29	3239	1024	95	0.08	0.0	0.004	0.004	0	0	0	494
PL.72516	PL.16238	ABC	336 MCM AC	7.50Y	125.0	0.00	0.01	150.97	29	3239	1024	95	0.06	0.0	0.007	0.003	0	0	0	494

----- Feeder No. 3 (Levi F3) Beginning with Device PD.10794 -----

PD.10794	PL.72516	ABC	480VWE	7.50Y	125.0	0.00	0.01	150.97	0	3239	1024	95	0.00	0.0	0.007	0.003	0	0	0	494
PL.72517	PD.10794	ABC	336 MCM AC	7.49Y	124.9	0.11	0.11	150.97	29	3239	1024	95	1.73	0.1	0.097	0.090	0	0	0	494
PL.16084	PL.72517	C	#1/0 ACSR	7.49Y	124.9	0.00	0.12	4.29	2	31	8	97	0.00	0.0	0.114	0.017	0	0	0	7
PD.2442	PL.16084	C	20T	7.49Y	124.9	0.00	0.12	4.29	0	31	8	97	0.00	0.0	0.114	0.017	0	0	0	7
PL.16085	PD.2442	C	#1/0 ACSR	7.49Y	124.9	0.00	0.12	4.29	2	31	8	97	0.00	0.0	0.135	0.021	7	2	1	7
PL.15954	PL.16085	C	#1/0 ACSR	7.49Y	124.9	0.00	0.12	3.31	1	24	6	97	0.00	0.0	0.179	0.043	0	0	1	6

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

Balanced Voltage Drop Report  
Source: Booneville

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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.15927	PL.15954	C	6 A (CWC)	7.49Y	124.9	0.00	0.12	3.31	2	24	6	97	0.00	0.0	0.195	0.016	10	3	1	5
PL.15928	PL.15927	C	6 A (CWC)	7.49Y	124.9	0.00	0.12	1.99	1	14	4	96	0.00	0.0	0.217	0.022	3	1	1	4
PL.15255	PL.15928	C	6 A (CWC)	7.49Y	124.9	0.01	0.13	1.55	1	11	3	96	0.00	0.0	0.294	0.078	0	0	0	3
PL.15925	PL.15255	C	6 A (CWC)	7.49Y	124.9	0.01	0.14	1.55	1	11	3	96	0.00	0.0	0.448	0.154	0	0	1	3
PL.15926	PL.15925	C	6 A (CWC)	7.49Y	124.9	0.00	0.14	1.53	1	11	3	96	0.00	0.0	0.510	0.062	8	2	1	2
PL.15257	PL.15926	C	#4 ACSR	7.49Y	124.9	0.00	0.14	0.43	0	3	1	95	0.00	0.0	0.545	0.035	0	0	0	1
PL.15256	PL.15257	C	6 A (CWC)	7.49Y	124.9	0.00	0.14	0.43	0	3	1	95	0.00	0.0	0.580	0.035	3	1	1	1
PL.15789	PL.72517	ABC	336 MCM AC	7.48Y	124.7	0.16	0.28	149.54	29	3206	1012	95	2.65	0.1	0.238	0.141	2	1	1	487
PL.15890	PL.15789	ABC	336 MCM AC	7.48Y	124.6	0.09	0.36	146.96	28	3147	990	95	1.37	0.0	0.313	0.075	1	0	1	476
PL.15259	PL.15890	C	6 A (CWC)	7.47Y	124.6	0.07	0.43	18.51	13	134	36	97	0.07	0.1	0.394	0.080	0	0	0	21
PL.15261	PL.15259	C	6 A (CWC)	7.47Y	124.6	0.00	0.43	18.51	13	134	36	97	0.00	0.0	0.396	0.002	0	0	0	21
PD.2512	PL.15261	C	50L	7.47Y	124.6	0.00	0.43	18.51	37	134	36	97	0.00	0.0	0.396	0.002	0	0	0	21
PL.15830	PD.2512	C	6 A (CWC)	7.47Y	124.6	0.00	0.43	18.51	13	134	36	97	0.00	0.0	0.397	0.002	0	0	0	21
PL.15938	PL.15830	C	6 A (CWC)	7.47Y	124.5	0.02	0.46	17.63	13	127	34	97	0.02	0.0	0.429	0.032	14	4	1	20
PL.15939	PL.15938	C	6 A (CWC)	7.47Y	124.5	0.03	0.49	15.72	11	113	30	97	0.02	0.0	0.473	0.044	11	3	2	19
PL.15888	PL.15939	C	6 A (CWC)	7.47Y	124.5	0.04	0.52	14.26	10	103	28	96	0.03	0.0	0.530	0.058	5	1	1	17
PL.15889	PL.15888	C	6 A (CWC)	7.47Y	124.5	0.02	0.54	3.33	2	24	6	97	0.00	0.0	0.634	0.104	0	0	1	4
PL.15264	PL.15889	C	6 A (CWC)	7.47Y	124.5	0.00	0.54	2.14	2	15	4	97	0.00	0.0	0.689	0.055	15	4	1	1
PL.15263	PL.15889	C	6 A (CWC)	7.47Y	124.5	0.00	0.54	1.17	1	8	2	97	0.00	0.0	0.692	0.058	8	2	1	1
PL.15265	PL.15889	C	6 A (CWC)	7.47Y	124.5	0.00	0.54	0.00	0	0	0	100	0.00	0.0	0.710	0.075	0	0	1	1
PL.15929	PL.15888	C	6 A (CWC)	7.47Y	124.4	0.04	0.56	10.21	7	74	20	97	0.02	0.0	0.615	0.084	6	2	1	12
PL.15930	PL.15929	C	6 A (CWC)	7.47Y	124.4	0.01	0.57	9.35	7	67	18	97	0.00	0.0	0.629	0.015	0	0	0	11
PL.15931	PL.15930	C	#4 ACSR	7.47Y	124.4	0.01	0.57	4.51	3	33	9	96	0.00	0.0	0.656	0.027	1	0	2	6
PL.15932	PL.15931	C	#4 ACSR	7.47Y	124.4	0.01	0.58	4.31	3	31	8	97	0.00	0.0	0.696	0.040	8	2	2	4
PL.15267	PL.15932	C	#4 ACSR	7.47Y	124.4	0.00	0.58	3.27	3	24	6	97	0.00	0.0	0.730	0.034	24	6	2	2
PL.15268	PL.15930	C	6 A (CWC)	7.46Y	124.4	0.02	0.59	3.50	2	25	7	96	0.00	0.0	0.747	0.118	0	0	0	4
PL.15269	PL.15268	C	#4 ACSR	7.46Y	124.4	0.00	0.59	3.50	3	25	7	96	0.00	0.0	0.770	0.022	0	0	0	4
PL.15790	PL.15269	C	#4 ACSR	7.46Y	124.4	0.01	0.60	2.57	2	19	5	97	0.00	0.0	0.847	0.077	0	0	0	3
PL.15271	PL.15790	C	#1/0 ACSR	7.46Y	124.4	0.00	0.60	2.57	1	19	5	97	0.00	0.0	0.867	0.020	19	5	3	3
PL.15270	PL.15269	C	#2 ACSR	7.46Y	124.4	0.00	0.59	0.92	1	7	2	96	0.00	0.0	0.807	0.038	7	2	1	1
PL.15266	PL.15930	C	#2 ACSR	7.47Y	124.4	0.00	0.57	1.34	1	10	3	96	0.00	0.0	0.688	0.059	10	3	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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.15262	PL.15830	C	#4 ACSR	7.47Y	124.6	0.00	0.43	0.88	1	6	2	95	0.00	0.0	0.467	0.070	6	2	1	1
PL.15272	PL.15262	C	#4 ACSR	7.47Y	124.6	0.00	0.43	0.00	0	0	0	100	0.00	0.0	0.507	0.040	0	0	0	0
PL.15940	PL.15890	ABC	336 MCM AC	7.47Y	124.6	0.08	0.44	139.24	27	2978	942	95	1.14	0.0	0.383	0.070	6	2	2	450
PL.15941	PL.15940	ABC	336 MCM AC	7.47Y	124.5	0.04	0.48	138.95	27	2971	938	95	0.60	0.0	0.420	0.037	15	4	2	448
PL.16088	PL.15941	A	6 A (CWC)	7.47Y	124.5	0.00	0.48	0.78	1	6	2	95	0.00	0.0	0.425	0.005	0	0	0	1
PD.2444	PL.16088	A	65T	7.47Y	124.5	0.00	0.48	0.78	0	6	2	95	0.00	0.0	0.425	0.005	0	0	0	1
PL.16089	PD.2444	A	6 A (CWC)	7.47Y	124.5	0.00	0.48	0.78	1	6	2	95	0.00	0.0	0.475	0.050	6	2	1	1
PL.15273	PL.15941	C	6 A (CWC)	7.47Y	124.5	0.00	0.48	1.58	1	11	3	96	0.00	0.0	0.425	0.005	0	0	0	3
PD.2493	PL.15273	C	65T	7.47Y	124.5	0.00	0.48	1.58	0	11	3	96	0.00	0.0	0.425	0.005	0	0	0	3
PL.15791	PD.2493	C	6 A (CWC)	7.47Y	124.5	0.00	0.48	1.58	1	11	3	96	0.00	0.0	0.467	0.043	11	3	3	3
PL.15891	PD.2493	C	#1/0 ACSR	7.47Y	124.5	0.00	0.48	0.00	0	0	0	100	0.00	0.0	0.429	0.004	0	0	0	0
PL.15892	PL.15891	C	#1/0 ACSR	7.47Y	124.5	0.00	0.48	0.00	0	0	0	100	0.00	0.0	0.429	0.000	0	0	0	0
PL.15274	PL.15892	C	#1/0 ACSR	7.47Y	124.5	0.00	0.48	0.00	0	0	0	100	0.00	0.0	0.457	0.028	0	0	0	0
PL.15893	PL.15941	ABC	336 MCM AC	7.47Y	124.4	0.10	0.57	137.48	26	2939	928	95	1.45	0.0	0.511	0.091	0	0	0	442
PL.15945	PL.15893	ABC	336 MCM AC	7.46Y	124.4	0.04	0.61	136.54	26	2917	919	95	0.53	0.0	0.545	0.034	9	3	1	441
PL.15946	PL.15945	ABC	336 MCM AC	7.46Y	124.3	0.05	0.66	136.11	26	2907	915	95	0.76	0.0	0.594	0.049	5	1	1	440
PL.15947	PL.15946	ABC	336 MCM AC	7.46Y	124.3	0.05	0.71	135.87	26	2901	912	95	0.70	0.0	0.638	0.045	0	0	0	439
PL.16216	PL.15947	A	#1/0 ACSR	7.46Y	124.3	0.00	0.71	10.81	5	78	21	97	0.00	0.0	0.641	0.003	0	0	0	14
PD.2513	PL.16216	A	50L	7.46Y	124.3	0.00	0.71	10.81	22	78	21	97	0.00	0.0	0.641	0.003	0	0	0	14
PL.16217	PD.2513	A	#1/0 ACSR	7.46Y	124.3	0.02	0.73	10.81	5	78	21	97	0.01	0.0	0.725	0.084	0	0	0	14
PL.15276	PL.16217	A	6 A (CWC)	7.46Y	124.3	0.00	0.73	0.84	1	6	2	95	0.00	0.0	0.787	0.062	6	2	1	1
PL.15826	PL.16217	A	#1/0 ACSR	7.46Y	124.3	0.02	0.75	8.25	4	59	16	97	0.01	0.0	0.813	0.088	5	1	1	12
PL.15277	PL.15826	A	6 A (CWC)	7.45Y	124.2	0.03	0.78	7.60	5	55	15	96	0.01	0.0	0.901	0.088	0	0	2	11
PL.15278	PL.15277	A	6 A (CWC)	7.45Y	124.2	0.06	0.83	7.60	5	55	15	96	0.02	0.0	1.077	0.176	9	2	1	9
PL.15279	PL.15278	A	#4 ACSR	7.45Y	124.1	0.04	0.87	6.32	5	46	12	97	0.01	0.0	1.204	0.127	0	0	0	8
PL.15280	PL.15279	A	#1/0 ACSR	7.45Y	124.1	0.00	0.87	1.40	1	10	3	96	0.00	0.0	1.235	0.031	10	3	1	1
PL.15950	PL.15279	A	#4 ACSR	7.45Y	124.1	0.04	0.91	4.93	4	35	10	96	0.01	0.0	1.387	0.183	6	2	2	7
PL.15951	PL.15950	A	#4 ACSR	7.45Y	124.1	0.01	0.91	4.15	3	30	8	97	0.00	0.0	1.431	0.045	0	0	0	5
PL.15281	PL.15951	A	#4 ACSR	7.45Y	124.1	0.00	0.92	4.15	3	30	8	97	0.00	0.0	1.447	0.016	16	4	3	5
PL.15952	PL.15281	A	#2 ACSR	7.45Y	124.1	0.00	0.92	1.85	1	13	4	96	0.00	0.0	1.475	0.028	13	3	1	2
PL.15953	PL.15952	A	#2 ACSR	7.44Y	124.1	0.00	0.92	0.10	0	1	0	100	0.00	0.0	1.596	0.121	1	0	1	1

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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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.15275	PL.16217	A	6 A (CWC)	7.46Y	124.3	0.00	0.73	1.72	1	12	3	97	0.00	0.0	0.749	0.024	12	3	1	1
PL.15948	PL.15947	ABC	336 MCM AC	7.45Y	124.2	0.04	0.75	132.27	25	2822	890	95	0.61	0.0	0.680	0.042	10	3	2	425
PL.15949	PL.15948	ABC	336 MCM AC	7.45Y	124.2	0.04	0.79	131.82	25	2812	886	95	0.56	0.0	0.718	0.038	3	1	2	423
PL.15282	PL.15949	ABC	#4 ACSR	7.45Y	124.2	0.00	0.79	1.78	1	37	14	94	0.00	0.0	0.723	0.005	0	0	0	4
PD.2508	PL.15282	ABC	65T	7.45Y	124.2	0.00	0.79	1.78	0	37	14	94	0.00	0.0	0.723	0.005	0	0	0	4
PL.15792	PD.2508	ABC	#4 ACSR	7.45Y	124.2	0.00	0.79	1.20	1	25	11	92	0.00	0.0	0.809	0.086	5	1	2	3
PL.15283	PL.15792	ABC	#4 ACSR	7.45Y	124.2	0.00	0.79	0.97	1	19	9	90	0.00	0.0	0.851	0.041	19	9	1	1
PL.15897	PD.2508	A	#4 ACSR	7.45Y	124.2	0.00	0.79	1.73	1	12	3	97	0.00	0.0	0.732	0.009	0	0	0	1
PL.15898	PL.15897	A	#4 ACSR	7.45Y	124.2	0.00	0.79	1.73	1	12	3	97	0.00	0.0	0.732	0.000	0	0	0	1
PL.15833	PL.15898	A	#4 ACSR	7.45Y	124.2	0.00	0.79	1.73	1	12	3	97	0.00	0.0	0.745	0.013	12	3	1	1
PL.15899	PL.15949	ABC	336 MCM AC	7.45Y	124.1	0.07	0.86	129.88	25	2771	869	95	0.98	0.0	0.787	0.069	0	0	0	417
PL.16218	PL.15899	B	#4 ACSR	7.45Y	124.1	0.00	0.86	14.92	11	107	29	97	0.00	0.0	0.790	0.003	0	0	0	22
PD.2514	PL.16218	B	50L	7.45Y	124.1	0.00	0.86	14.92	30	107	29	97	0.00	0.0	0.790	0.003	0	0	0	22
PL.16219	PD.2514	B	#4 ACSR	7.45Y	124.1	0.04	0.90	14.92	11	107	29	97	0.03	0.0	0.846	0.056	8	2	3	22
PL.15955	PL.16219	B	#4 ACSR	7.44Y	124.1	0.02	0.92	13.82	11	99	27	96	0.02	0.0	0.890	0.043	26	7	3	19
PL.15956	PL.15955	B	#4 ACSR	7.44Y	124.1	0.01	0.93	10.25	8	74	20	97	0.00	0.0	0.908	0.018	18	5	1	16
PL.15284	PL.15956	B	#4 ACSR	7.44Y	124.1	0.00	0.93	0.95	1	7	2	96	0.00	0.0	0.971	0.063	7	2	3	3
PL.15894	PL.15956	B	#4 ACSR	7.44Y	124.1	0.01	0.94	6.81	5	49	13	97	0.00	0.0	0.935	0.027	0	0	0	12
PL.15285	PL.15894	B	#4 ACSR	7.44Y	124.1	0.00	0.94	0.68	1	5	1	98	0.00	0.0	1.013	0.078	5	1	1	1
PL.16092	PL.15894	B	#4 ACSR	7.44Y	124.1	0.00	0.94	6.13	5	44	12	96	0.00	0.0	0.940	0.005	0	0	0	11
PD.2446	PL.16092	B	40T	7.44Y	124.1	0.00	0.94	6.13	0	44	12	96	0.00	0.0	0.940	0.005	0	0	0	11
PL.16093	PD.2446	B	#4 ACSR	7.44Y	124.1	0.01	0.95	6.13	5	44	12	96	0.00	0.0	0.985	0.045	0	0	0	11
PL.15723	PL.16093	B	#4 ACSR	7.44Y	124.0	0.01	0.96	6.13	5	44	12	96	0.00	0.0	1.019	0.034	30	8	7	11
PL.15724	PL.15723	B	#4 ACSR	7.44Y	124.0	0.00	0.96	1.93	1	14	4	96	0.00	0.0	1.038	0.019	14	4	4	4
PL.15957	PL.15899	ABC	336 MCM AC	7.44Y	124.1	0.07	0.93	122.29	24	2606	823	95	0.89	0.0	0.859	0.071	14	4	3	391
PL.15958	PL.15957	ABC	336 MCM AC	7.44Y	124.0	0.03	0.95	121.64	23	2591	817	95	0.37	0.0	0.888	0.030	0	0	1	388
PL.15793	PL.15958	ABC	336 MCM AC	7.44Y	124.0	0.04	0.99	120.73	23	2571	811	95	0.47	0.0	0.926	0.038	0	0	1	385
PL.16184	PL.15793	C	6 A (CWC)	7.44Y	124.0	0.00	0.99	0.85	1	6	2	95	0.00	0.0	0.931	0.005	0	0	0	2
PD.2495	PL.16184	C	65T	7.44Y	124.0	0.00	0.99	0.85	0	6	2	95	0.00	0.0	0.931	0.005	0	0	0	2
PL.16185	PD.2495	C	6 A (CWC)	7.44Y	124.0	0.00	0.99	0.85	1	6	2	95	0.00	0.0	0.956	0.025	6	2	2	2
PL.16096	PL.15793	A	6 A (CWC)	7.44Y	124.0	0.00	0.99	4.39	3	32	8	97	0.00	0.0	0.931	0.005	0	0	0	3

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.2448	PL.16096	A	65T	7.44Y	124.0	0.00	0.99	4.39	0	32	8	97	0.00	0.0	0.931	0.005	0	0	0	3
PL.16097	PD.2448	A	6 A (CWC)	7.44Y	124.0	0.01	1.00	4.39	3	32	8	97	0.00	0.0	0.967	0.036	15	4	1	3
PL.15961	PL.16097	A	6 A (CWC)	7.44Y	124.0	0.00	1.00	2.25	2	16	4	97	0.00	0.0	0.994	0.027	11	3	1	2
PL.15726	PL.15961	A	#1/0 ACSR	7.44Y	124.0	0.00	1.00	0.78	0	6	1	99	0.00	0.0	1.033	0.039	6	1	1	1
PL.15904	PL.15793	ABC	336 MCM AC	7.44Y	124.0	0.05	1.04	118.97	23	2532	800	95	0.60	0.0	0.977	0.050	3	1	2	379
PL.16098	PL.15904	C	#4 ACSR	7.44Y	124.0	0.00	1.04	2.25	2	16	4	97	0.00	0.0	0.981	0.005	0	0	0	3
PD.2449	PL.16098	C	65T	7.44Y	124.0	0.00	1.04	2.25	0	16	4	97	0.00	0.0	0.981	0.005	0	0	0	3
PL.16099	PD.2449	C	#4 ACSR	7.44Y	124.0	0.00	1.04	2.25	2	16	4	97	0.00	0.0	1.009	0.027	16	4	3	3
PL.15959	PL.15904	ABC	336 MCM AC	7.44Y	123.9	0.03	1.06	118.11	23	2513	793	95	0.34	0.0	1.006	0.029	4	1	1	374
PL.15960	PL.15959	ABC	336 MCM AC	7.43Y	123.9	0.05	1.11	117.93	23	2509	791	95	0.59	0.0	1.056	0.051	22	6	2	373
PL.15962	PL.15960	ABC	336 MCM AC	7.43Y	123.8	0.04	1.15	116.73	22	2483	783	95	0.55	0.0	1.104	0.048	3	1	1	370
PL.15968	PL.15962	ABC	336 MCM AC	7.43Y	123.8	0.02	1.17	116.59	22	2479	781	95	0.20	0.0	1.121	0.018	24	6	7	369
PL.15969	PL.15968	ABC	336 MCM AC	7.43Y	123.8	0.04	1.20	115.48	22	2455	774	95	0.44	0.0	1.161	0.039	0	0	0	362
PL.15965	PL.15969	ABC	336 MCM AC	7.43Y	123.8	0.04	1.25	115.48	22	2454	773	95	0.53	0.0	1.208	0.048	0	0	0	362
PL.16108	PL.15965	C	#4 ACSR	7.43Y	123.8	0.00	1.25	1.87	1	13	4	96	0.00	0.0	1.213	0.005	0	0	0	2
PD.2454	PL.16108	C	65T	7.43Y	123.8	0.00	1.25	1.87	0	13	4	96	0.00	0.0	1.213	0.005	0	0	0	2
PL.16109	PD.2454	C	#4 ACSR	7.43Y	123.8	0.00	1.25	1.87	1	13	4	96	0.00	0.0	1.240	0.027	13	4	2	2
PL.15966	PL.15965	ABC	336 MCM AC	7.42Y	123.7	0.04	1.29	114.85	22	2440	768	95	0.53	0.0	1.256	0.048	6	2	1	360
PL.15967	PL.15966	ABC	336 MCM AC	7.42Y	123.7	0.03	1.32	114.57	22	2434	765	95	0.42	0.0	1.294	0.038	0	0	0	359
PL.16110	PL.15967	A	6 A (CWC)	7.42Y	123.7	0.00	1.32	1.33	1	10	3	96	0.00	0.0	1.299	0.005	0	0	0	2
PD.2455	PL.16110	A	65T	7.42Y	123.7	0.00	1.32	1.33	0	10	3	96	0.00	0.0	1.299	0.005	0	0	0	2
PL.16111	PD.2455	A	6 A (CWC)	7.42Y	123.7	0.00	1.32	1.33	1	10	3	96	0.00	0.0	1.371	0.072	10	3	2	2
PL.15910	PL.15967	ABC	336 MCM AC	7.42Y	123.6	0.06	1.39	114.13	22	2424	762	95	0.79	0.0	1.366	0.072	17	5	1	357
PL.15911	PL.15910	ABC	336 MCM AC	7.41Y	123.6	0.06	1.44	112.82	22	2395	752	95	0.69	0.0	1.430	0.064	0	0	1	354
PL.16104	PL.15911	A	6 A (CWC)	7.41Y	123.6	0.00	1.44	2.09	1	15	4	97	0.00	0.0	1.435	0.005	0	0	0	2
PD.2452	PL.16104	A	50T	7.41Y	123.6	0.00	1.44	2.09	0	15	4	97	0.00	0.0	1.435	0.005	0	0	0	2
PL.16105	PD.2452	A	6 A (CWC)	7.41Y	123.6	0.00	1.44	2.09	1	15	4	97	0.00	0.0	1.469	0.034	15	4	2	2
PL.15903	PL.15911	ABC	336 MCM AC	7.41Y	123.5	0.06	1.50	112.12	22	2379	747	95	0.69	0.0	1.496	0.066	0	0	0	351
PL.16186	PL.15903	C	#2 ACSR	7.41Y	123.5	0.00	1.50	0.00	0	0	0	100	0.00	0.0	1.500	0.005	0	0	0	1
PD.2496	PL.16186	C	65T	7.41Y	123.5	0.00	1.50	0.00	0	0	0	100	0.00	0.0	1.500	0.005	0	0	0	1
PL.16187	PD.2496	C	#1/0 ACSR	7.41Y	123.5	0.00	1.50	0.00	0	0	0	100	0.00	0.0	1.528	0.028	0	0	1	1

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Balanced Voltage Drop Report  
Source: Booneville

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

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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	Length (mi)	-----Element-----		Cons On	Cons Thru
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PL.16106	PL.15903	A	#1/0 ACSR	7.41Y	123.5	0.00	1.50	1.40	1	10	3	96	0.00	0.0	1.500	0.005	0	0	0	1
PD.2453	PL.16106	A	50T	7.41Y	123.5	0.00	1.50	1.40	0	10	3	96	0.00	0.0	1.500	0.005	0	0	0	1
PL.16107	PD.2453	A	#1/0 ACSR	7.41Y	123.5	0.00	1.50	1.40	1	10	3	96	0.00	0.0	1.553	0.053	10	3	1	1
PL.15963	PL.15903	ABC	336 MCM AC	7.41Y	123.5	0.04	1.54	111.66	22	2369	743	95	0.48	0.0	1.541	0.046	0	0	1	349
PL.15964	PL.15963	ABC	336 MCM AC	7.40Y	123.4	0.08	1.62	111.65	22	2368	741	95	1.02	0.0	1.639	0.097	0	0	0	348
PL.15728	PL.15964	ABC	336 MCM AC	7.40Y	123.4	0.02	1.64	111.50	21	2364	737	95	0.24	0.0	1.661	0.022	0	0	0	347
PL.15970	PL.15728	ABC	336 MCM AC	7.40Y	123.3	0.03	1.67	111.50	21	2364	737	95	0.38	0.0	1.697	0.036	0	0	0	347
PL.15971	PL.15970	ABC	336 MCM AC	7.40Y	123.3	0.05	1.72	111.50	21	2363	736	95	0.64	0.0	1.758	0.061	0	0	0	347
PL.16116	PL.15971	C	#1/0 ACSR	7.40Y	123.3	0.00	1.72	1.25	1	9	2	98	0.00	0.0	1.763	0.005	0	0	0	1
PD.2458	PL.16116	C	50T	7.40Y	123.3	0.00	1.72	1.25	0	9	2	98	0.00	0.0	1.763	0.005	0	0	0	1
PL.16117	PD.2458	C	#1/0 ACSR	7.40Y	123.3	0.00	1.73	1.25	1	9	2	98	0.00	0.0	1.804	0.041	9	2	1	1
PL.15794	PL.15971	ABC	336 MCM AC	7.39Y	123.2	0.10	1.82	111.08	21	2354	732	95	1.18	0.1	1.872	0.114	0	0	0	346
PL.16112	PL.15794	C	#4 ACSR	7.39Y	123.2	0.00	1.82	2.74	2	20	5	97	0.00	0.0	1.877	0.005	0	0	0	4
PD.2456	PL.16112	C	65T	7.39Y	123.2	0.00	1.82	2.74	0	20	5	97	0.00	0.0	1.877	0.005	0	0	0	4
PL.16113	PD.2456	C	#4 ACSR	7.39Y	123.2	0.01	1.83	2.74	2	20	5	97	0.00	0.0	1.936	0.059	0	0	1	4
PL.15972	PL.16113	C	#4 ACSR	7.39Y	123.2	0.01	1.84	2.74	2	20	5	97	0.00	0.0	2.047	0.111	20	5	3	3
PL.15900	PL.15794	ABC	336 MCM AC	7.39Y	123.1	0.05	1.87	110.17	21	2333	724	96	0.63	0.0	1.934	0.062	1	0	1	342
PL.16214	PL.15900	ABC	336 MCM AC	7.38Y	123.1	0.05	1.93	108.88	21	2305	715	96	0.61	0.0	1.995	0.061	0	0	0	337
PD.2511-A	PL.16214	ABC	Closed	7.38Y	123.1	0.00	1.93	108.88	0	2304	714	96	0.00	0.0	1.995	0.061	0	0	0	337
PD.2511-B	PD.2511-A	ABC	Closed	7.38Y	123.1	0.00	1.93	108.88	0	2304	714	96	0.00	0.0	1.995	0.061	0	0	0	337
PL.16215	PD.2511-B	ABC	336 MCM AC	7.38Y	123.0	0.10	2.02	108.88	21	2304	714	96	1.14	0.0	2.109	0.114	0	0	0	337
PL.15983	PL.16215	ABC	336 MCM AC	7.37Y	122.9	0.07	2.09	108.10	21	2286	707	96	0.83	0.0	2.193	0.084	0	0	1	336
PL.15984	PL.15983	ABC	336 MCM AC	7.37Y	122.9	0.04	2.13	108.09	21	2285	705	96	0.44	0.0	2.238	0.044	10	3	1	335
PL.16222	PL.15984	B	6 A (CWC)	7.37Y	122.9	0.02	2.14	12.87	9	92	25	97	0.01	0.0	2.265	0.028	0	0	0	16
PD.2516	PL.16222	B	50L	7.37Y	122.9	0.00	2.14	12.87	26	92	25	97	0.00	0.0	2.265	0.028	0	0	0	16
PL.16223	PD.2516	B	6 A (CWC)	7.37Y	122.8	0.02	2.17	12.87	9	92	25	97	0.02	0.0	2.306	0.040	0	0	0	16
PL.15733	PL.16223	B	6 A (CWC)	7.37Y	122.8	0.04	2.21	8.97	6	64	17	97	0.02	0.0	2.401	0.096	0	0	0	13
PL.15795	PL.15733	B	6 A (CWC)	7.36Y	122.7	0.04	2.25	8.35	6	59	16	97	0.02	0.0	2.514	0.112	0	0	0	12
PL.15912	PL.15795	B	6 A (CWC)	7.36Y	122.7	0.06	2.31	8.35	6	59	16	97	0.02	0.0	2.672	0.159	7	2	1	12
PL.15913	PL.15912	B	6 A (CWC)	7.36Y	122.7	0.03	2.34	7.36	5	52	14	97	0.01	0.0	2.766	0.094	0	0	0	11
PL.15862	PL.15913	B	6 A (CWC)	7.36Y	122.6	0.03	2.37	7.36	5	52	14	97	0.01	0.0	2.865	0.098	0	0	0	11

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Balanced Voltage Drop Report  
Source: Booneville

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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.15977	PL.15862	B	6 A (CWC)	7.36Y	122.6	0.03	2.40	7.36	5	52	14	97	0.01	0.0	2.961	0.097	0	0	0	11
PL.15978	PL.15977	B	6 A (CWC)	7.35Y	122.6	0.02	2.43	7.36	5	52	14	97	0.01	0.0	3.033	0.072	0	0	0	11
PL.15737	PL.15978	B	6 A (CWC)	7.35Y	122.6	0.00	2.43	1.14	1	8	2	97	0.00	0.0	3.072	0.039	8	2	2	2
PL.15979	PL.15978	B	6 A (CWC)	7.35Y	122.6	0.01	2.44	6.08	4	43	12	96	0.00	0.0	3.072	0.038	16	4	1	7
PL.15980	PL.15979	B	6 A (CWC)	7.35Y	122.5	0.02	2.46	3.85	3	27	7	97	0.00	0.0	3.192	0.120	0	0	0	6
PL.15914	PL.15980	B	6 A (CWC)	7.35Y	122.5	0.03	2.49	3.85	3	27	7	97	0.01	0.0	3.365	0.174	0	0	1	6
PL.15738	PL.15914	B	#4 ACSR	7.35Y	122.5	0.00	2.49	0.00	0	0	0	100	0.00	0.0	3.441	0.076	0	0	0	0
PL.15915	PL.15914	B	6 A (CWC)	7.35Y	122.5	0.03	2.52	3.85	3	27	7	97	0.01	0.0	3.521	0.155	0	0	0	5
PL.15739	PL.15915	B	#4 ACSR	7.35Y	122.5	0.00	2.52	0.68	1	5	1	98	0.00	0.0	3.577	0.056	5	1	1	1
PL.15740	PL.15739	B	#4 ACSR	7.35Y	122.5	0.00	2.52	0.00	0	0	0	100	0.00	0.0	3.755	0.179	0	0	0	0
PL.15839	PL.15740	B	#4 ACSR	7.35Y	122.5	0.00	2.52	0.00	0	0	0	100	0.00	0.0	3.829	0.074	0	0	0	0
PL.15796	PL.15915	B	6 A (CWC)	7.35Y	122.5	0.02	2.54	3.17	2	23	6	97	0.00	0.0	3.689	0.168	8	2	1	4
PL.15985	PL.15796	B	#4 ACSR	7.35Y	122.5	0.00	2.54	0.37	0	3	1	95	0.00	0.0	3.764	0.076	3	1	1	1
PL.15986	PL.15985	B	#4 ACSR	7.35Y	122.5	0.00	2.54	0.00	0	0	0	100	0.00	0.0	3.793	0.029	0	0	0	0
PL.15741	PL.15796	B	6 A (CWC)	7.35Y	122.5	0.00	2.54	1.61	1	11	3	96	0.00	0.0	3.774	0.085	11	3	1	2
PL.15742	PL.15741	B	#4 ACSR	7.35Y	122.5	0.00	2.54	0.06	0	0	0	100	0.00	0.0	3.862	0.088	0	0	1	1
PL.15736	PL.15978	B	6 A (CWC)	7.35Y	122.6	0.00	2.43	0.14	0	1	0	100	0.00	0.0	3.140	0.106	0	0	0	2
PL.15838	PL.15736	B	6 A (CWC)	7.35Y	122.6	0.00	2.43	0.14	0	1	0	100	0.00	0.0	3.252	0.112	0	0	0	2
PL.15827	PL.15838	B	6 A (CWC)	7.35Y	122.6	0.00	2.43	0.00	0	0	0	100	0.00	0.0	3.410	0.158	0	0	1	1
PL.15987	PL.15838	B	#4 ACSR	7.35Y	122.6	0.00	2.43	0.14	0	1	0	100	0.00	0.0	3.322	0.070	0	0	0	1
PL.15988	PL.15987	B	#4 ACSR	7.35Y	122.6	0.00	2.43	0.14	0	1	0	100	0.00	0.0	3.370	0.048	1	0	1	1
PL.15735	PL.15912	B	6 A (CWC)	7.36Y	122.7	0.00	2.31	0.00	0	0	0	100	0.00	0.0	2.724	0.051	0	0	0	0
PL.15734	PL.15733	B	#4 ACSR	7.37Y	122.8	0.00	2.21	0.62	0	4	1	97	0.00	0.0	2.472	0.070	4	1	1	1
PL.15981	PL.16223	B	6 A (CWC)	7.37Y	122.8	0.00	2.17	3.90	3	28	7	97	0.00	0.0	2.339	0.034	22	6	1	3
PL.15982	PL.15981	B	6 A (CWC)	7.37Y	122.8	0.00	2.17	0.87	1	6	2	95	0.00	0.0	2.395	0.056	6	2	2	2
PL.15732	PL.15984	ABC	336 MCM AC	7.37Y	122.8	0.04	2.17	103.33	20	2183	676	96	0.42	0.0	2.285	0.047	6	2	2	318
PL.16220	PL.15732	B	6 A (CWC)	7.37Y	122.8	0.00	2.17	27.74	20	197	53	97	0.01	0.0	2.288	0.003	0	0	0	36
C PD.2515	PL.16220	B	35L	7.37Y	122.8	0.00	2.17	27.74	79	197	53	97	0.00	0.0	2.288	0.003	0	0	0	36 C
PL.16221	PD.2515	B	6 A (CWC)	7.37Y	122.8	0.08	2.24	27.74	20	197	53	97	0.11	0.1	2.350	0.062	15	4	3	36
PL.15905	PL.16221	B	6 A (CWC)	7.36Y	122.6	0.11	2.35	25.66	18	182	49	97	0.14	0.1	2.443	0.093	7	2	1	33
PL.16042	PL.15905	B	6 A (CWC)	7.35Y	122.5	0.12	2.47	24.65	18	175	47	97	0.15	0.1	2.551	0.108	11	3	1	31

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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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.16043	PL.16042	B	6 A (CWC)	7.35Y	122.4	0.09	2.56	23.11	17	164	44	97	0.11	0.1	2.636	0.085	2	0	1	30
PL.16044	PL.16043	B	6 A (CWC)	7.34Y	122.4	0.08	2.64	22.88	16	162	44	97	0.10	0.1	2.720	0.085	15	4	2	29
PL.15908	PL.16044	B	#4 ACSR	7.34Y	122.3	0.01	2.65	3.84	3	27	7	97	0.00	0.0	2.775	0.054	6	2	1	4
PL.14585	PL.15908	B	#4 ACSR	7.34Y	122.3	0.00	2.65	1.44	1	10	3	96	0.00	0.0	2.793	0.018	10	3	1	1
PL.15909	PL.15908	B	#4 ACSR	7.34Y	122.3	0.00	2.65	1.58	1	11	3	96	0.00	0.0	2.819	0.045	11	3	2	2
PL.16047	PL.16044	B	6 A (CWC)	7.34Y	122.3	0.07	2.72	15.53	11	110	30	96	0.06	0.1	2.823	0.102	3	1	2	21
PL.16048	PL.16047	B	6 A (CWC)	7.33Y	122.2	0.09	2.81	15.10	11	107	29	97	0.07	0.1	2.954	0.131	0	0	1	19
PL.14586	PL.16048	B	#4 ACSR	7.33Y	122.2	0.00	2.81	0.00	0	0	0	100	0.00	0.0	3.082	0.128	0	0	0	0
PL.15840	PL.14586	B	#4 ACSR	7.33Y	122.2	0.00	2.81	0.00	0	0	0	100	0.00	0.0	3.239	0.157	0	0	0	0
PL.16049	PL.16048	B	6 A (CWC)	7.33Y	122.1	0.05	2.86	15.04	11	106	29	96	0.04	0.0	3.034	0.081	7	2	1	18
PL.16050	PL.16049	B	6 A (CWC)	7.33Y	122.1	0.06	2.92	14.07	10	100	27	97	0.04	0.0	3.124	0.090	4	1	1	17
PL.16051	PL.16050	B	6 A (CWC)	7.32Y	122.0	0.10	3.01	13.53	10	96	26	97	0.07	0.1	3.285	0.160	0	0	0	16
PL.15841	PL.16051	B	6 A (CWC)	7.32Y	121.9	0.04	3.05	13.53	10	96	26	97	0.03	0.0	3.347	0.062	0	0	0	16
PL.16052	PL.15841	B	6 A (CWC)	7.31Y	121.9	0.08	3.14	13.53	10	96	26	97	0.06	0.1	3.492	0.145	14	4	1	16
PL.16053	PL.16052	B	6 A (CWC)	7.31Y	121.8	0.07	3.21	11.57	8	82	22	97	0.05	0.1	3.633	0.141	1	0	1	15
PL.16204	PL.16053	B	6 A (CWC)	7.31Y	121.8	0.00	3.21	2.97	2	21	6	96	0.00	0.0	3.637	0.005	0	0	0	4
PD.2505	PL.16204	B	25T	7.31Y	121.8	0.00	3.21	2.97	0	21	6	96	0.00	0.0	3.637	0.005	0	0	0	4
PL.16205	PD.2505	B	6 A (CWC)	7.31Y	121.8	0.02	3.23	2.97	2	21	6	96	0.00	0.0	3.774	0.137	0	0	0	4
PL.15842	PL.16205	B	6 A (CWC)	7.31Y	121.8	0.02	3.25	2.97	2	21	6	96	0.00	0.0	3.892	0.118	0	0	0	4
PL.15843	PL.15842	B	6 A (CWC)	7.30Y	121.7	0.02	3.26	2.97	2	21	6	96	0.00	0.0	4.015	0.124	0	0	0	4
PL.15771	PL.15843	B	#4 ACSR	7.30Y	121.7	0.01	3.27	2.97	2	21	6	96	0.00	0.0	4.102	0.087	0	0	0	4
PL.15770	PL.15771	B	6 A (CWC)	7.30Y	121.7	0.01	3.28	2.97	2	21	6	96	0.00	0.0	4.183	0.081	0	0	0	4
PL.16057	PL.15770	B	6 A (CWC)	7.30Y	121.7	0.01	3.30	2.97	2	21	6	96	0.00	0.0	4.296	0.113	11	3	1	4
PL.16058	PL.16057	B	6 A (CWC)	7.30Y	121.7	0.00	3.30	1.42	1	10	3	96	0.00	0.0	4.390	0.094	4	1	1	3
PL.15769	PL.16058	B	#2 ACSR	7.30Y	121.7	0.00	3.30	0.82	0	6	2	95	0.00	0.0	4.519	0.129	6	2	1	1
PL.14587	PL.16058	B	#2 ACSR	7.30Y	121.7	0.00	3.30	0.02	0	0	0	100	0.00	0.0	4.421	0.031	0	0	1	1
PL.16059	PL.16053	B	6 A (CWC)	7.31Y	121.8	0.03	3.24	8.42	6	59	16	97	0.01	0.0	3.727	0.095	14	4	2	10
PL.16064	PL.16059	B	6 A (CWC)	7.30Y	121.7	0.02	3.26	6.37	5	45	12	97	0.01	0.0	3.793	0.066	6	2	1	8
PL.16065	PL.16064	B	6 A (CWC)	7.30Y	121.7	0.02	3.28	5.51	4	39	10	97	0.01	0.0	3.882	0.089	3	1	2	7
PL.16174	PL.16065	B	6 A (CWC)	7.30Y	121.7	0.00	3.28	5.09	4	36	10	96	0.00	0.0	3.887	0.005	0	0	0	5
PD.2489	PL.16174	B	15T	7.30Y	121.7	0.00	3.28	5.09	0	36	10	96	0.00	0.0	3.887	0.005	0	0	0	5

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Balanced Voltage Drop Report  
Source: Booneville

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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.16175	PD.2489	B	6 A (CWC)	7.30Y	121.7	0.03	3.31	5.09	4	36	10	96	0.01	0.0	4.023	0.136	0	0	0	5
PL.16062	PL.16175	B	6 A (CWC)	7.30Y	121.7	0.00	3.32	1.09	1	8	2	97	0.00	0.0	4.165	0.142	6	2	1	2
PL.16063	PL.16062	B	6 A (CWC)	7.30Y	121.7	0.00	3.32	0.17	0	1	0	100	0.00	0.0	4.260	0.096	1	0	1	1
PL.14588	PL.16175	B	6 A (CWC)	7.30Y	121.7	0.02	3.33	4.00	3	28	8	96	0.00	0.0	4.123	0.099	0	0	0	3
PL.15844	PL.14588	B	6 A (CWC)	7.30Y	121.7	0.02	3.35	4.00	3	28	8	96	0.00	0.0	4.215	0.092	0	0	0	3
PL.16172	PL.15844	B	#4 ACSR	7.30Y	121.7	0.00	3.35	2.85	2	20	5	97	0.00	0.0	4.219	0.005	0	0	0	2
PD.2488	PL.16172	B	10T	7.30Y	121.7	0.00	3.35	2.85	0	20	5	97	0.00	0.0	4.219	0.005	0	0	0	2
PL.16173	PD.2488	B	#4 ACSR	7.30Y	121.6	0.02	3.37	2.85	2	20	5	97	0.00	0.0	4.392	0.172	0	0	0	2
PL.16060	PL.16173	B	#4 ACSR	7.30Y	121.6	0.01	3.38	2.85	2	20	5	97	0.00	0.0	4.559	0.167	18	5	1	2
PL.16061	PL.16060	B	#4 ACSR	7.30Y	121.6	0.00	3.39	0.35	0	2	1	89	0.00	0.0	4.680	0.122	0	0	0	1
PL.15845	PL.16061	B	#4 ACSR	7.30Y	121.6	0.00	3.39	0.35	0	2	1	89	0.00	0.0	4.859	0.178	2	1	1	1
PL.15797	PL.15844	B	6 A (CWC)	7.30Y	121.6	0.00	3.35	1.15	1	8	2	97	0.00	0.0	4.342	0.128	8	2	1	1
PL.16045	PL.16044	B	#4 ACSR	7.34Y	122.4	0.00	2.65	1.45	1	10	3	96	0.00	0.0	2.839	0.119	10	3	2	2
PL.16046	PL.16045	B	#4 ACSR	7.34Y	122.4	0.00	2.65	0.00	0	0	0	100	0.00	0.0	2.890	0.051	0	0	0	0
PL.14584	PL.15905	B	#4 ACSR	7.36Y	122.6	0.00	2.35	0.03	0	0	0	100	0.00	0.0	2.517	0.074	0	0	1	1
PL.15901	PL.15732	ABC	336 MCM AC	7.37Y	122.8	0.03	2.19	93.83	18	1980	620	95	0.29	0.0	2.324	0.039	10	3	1	280
PL.15902	PL.15901	ABC	336 MCM AC	7.37Y	122.8	0.06	2.25	92.97	18	1961	615	95	0.56	0.0	2.402	0.078	10	3	1	278
PL.16188	PL.15902	C	6 A (CWC)	7.37Y	122.8	0.00	2.25	0.39	0	3	1	95	0.00	0.0	2.406	0.005	0	0	0	1
PD.2497	PL.16188	C	65T	7.37Y	122.8	0.00	2.25	0.39	0	3	1	95	0.00	0.0	2.406	0.005	0	0	0	1
PL.16189	PD.2497	C	6 A (CWC)	7.36Y	122.7	0.00	2.25	0.39	0	3	1	95	0.00	0.0	2.479	0.073	3	1	1	1
PL.15975	PL.15902	ABC	336 MCM AC	7.36Y	122.7	0.06	2.31	92.38	18	1948	610	95	0.61	0.0	2.486	0.084	1	0	1	275
PL.15976	PL.15975	ABC	336 MCM AC	7.36Y	122.6	0.07	2.38	92.32	18	1946	608	95	0.67	0.0	2.579	0.093	0	0	0	274
PL.15743	PL.15976	ABC	336 MCM AC	7.35Y	122.6	0.05	2.43	92.32	18	1945	607	95	0.51	0.0	2.649	0.071	0	0	0	274
PL.15798	PL.15743	ABC	336 MCM AC	7.35Y	122.6	0.00	2.43	91.95	18	1937	604	95	0.01	0.0	2.651	0.001	0	0	0	273
C RG.20	PL.15798	ABC	76.2 KVA	7.45Y	124.1	-1.55	0.88	91.95	92	1937	604	95	percent Boost= 1.25 Tap= 2.0				0	0	0	273 C
PL.16040	RG.20	ABC	336 MCM AC	7.45Y	124.1	0.02	0.90	90.80	17	1937	604	95	0.20	0.0	2.680	0.030	5	1	1	273
PL.16041	PL.16040	ABC	336 MCM AC	7.44Y	124.1	0.04	0.94	90.57	17	1932	602	95	0.39	0.0	2.737	0.056	2	1	1	272
PL.16170	PL.16041	C	6 A (CWC)	7.44Y	124.1	0.00	0.94	1.52	1	11	3	96	0.00	0.0	2.741	0.005	0	0	0	2
PD.2487	PL.16170	C	65T	7.44Y	124.1	0.00	0.94	1.52	0	11	3	96	0.00	0.0	2.741	0.005	0	0	0	2
PL.16171	PD.2487	C	6 A (CWC)	7.44Y	124.1	0.00	0.94	1.52	1	11	3	96	0.00	0.0	2.786	0.045	11	3	2	2
PL.15887	PL.16041	ABC	336 MCM AC	7.44Y	124.0	0.05	0.99	89.97	17	1918	597	95	0.52	0.0	2.814	0.077	0	0	0	269

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Balanced Voltage Drop Report  
Source: Booneville

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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.16168	PL.15887	C	6 A (CWC)	7.44Y	124.0	0.00	0.99	4.30	3	31	8	97	0.00	0.0	2.818	0.005	0	0	0	6
PD.2486	PL.16168	C	65T	7.44Y	124.0	0.00	0.99	4.30	0	31	8	97	0.00	0.0	2.818	0.005	0	0	0	6
PL.16169	PD.2486	C	6 A (CWC)	7.44Y	124.0	0.01	1.00	4.30	3	31	8	97	0.00	0.0	2.870	0.052	13	3	1	6
PL.15973	PL.16169	C	6 A (CWC)	7.44Y	124.0	0.00	1.00	2.49	2	18	5	96	0.00	0.0	2.889	0.019	3	1	1	5
PL.15974	PL.15973	C	6 A (CWC)	7.44Y	124.0	0.01	1.01	2.02	1	15	4	97	0.00	0.0	3.048	0.159	6	2	1	4
PL.15744	PL.15974	C	#4 ACSR	7.44Y	124.0	0.00	1.01	1.17	1	8	2	97	0.00	0.0	3.110	0.062	8	2	3	3
PL.16038	PL.15887	ABC	336 MCM AC	7.44Y	124.0	0.03	1.01	88.53	17	1887	588	95	0.24	0.0	2.851	0.037	8	2	2	263
PL.16039	PL.16038	ABC	336 MCM AC	7.43Y	123.9	0.10	1.12	88.16	17	1878	585	95	0.99	0.1	3.003	0.152	1	0	1	261
PL.16037	PL.16039	ABC	336 MCM AC	7.43Y	123.8	0.07	1.19	88.12	17	1877	582	96	0.72	0.0	3.112	0.110	0	0	0	260
PL.15799	PL.16037	ABC	336 MCM AC	7.43Y	123.8	0.03	1.22	86.61	17	1843	572	96	0.29	0.0	3.158	0.046	0	0	0	256
PL.16148	PL.15799	C	6 A (CWC)	7.43Y	123.8	0.00	1.22	1.17	1	8	2	97	0.00	0.0	3.163	0.005	0	0	0	3
PD.2475	PL.16148	C	65T	7.43Y	123.8	0.00	1.22	1.17	0	8	2	97	0.00	0.0	3.163	0.005	0	0	0	3
PL.16149	PD.2475	C	6 A (CWC)	7.43Y	123.8	0.00	1.22	1.17	1	8	2	97	0.00	0.0	3.200	0.037	8	2	3	3
PL.15800	PL.15799	ABC	336 MCM AC	7.42Y	123.7	0.03	1.25	85.27	16	1814	564	95	0.26	0.0	3.202	0.043	0	0	0	249
PL.14556	PL.15800	ABC	336 MCM AC	7.42Y	123.7	0.00	1.25	85.27	16	1814	563	96	0.02	0.0	3.204	0.003	0	0	0	249
C PD.2520	PL.14556	ABC	70L	7.42Y	123.7	0.00	1.25	85.27	122	1814	563	96	0.00	0.0	3.204	0.003	0	0	0	249 C
PL.15831	PD.2520	ABC	336 MCM AC	7.42Y	123.7	0.05	1.30	85.27	16	1814	563	96	0.44	0.0	3.277	0.072	0	0	0	249
PL.15801	PL.15831	ABC	336 MCM AC	7.42Y	123.7	0.04	1.34	83.34	16	1772	551	95	0.38	0.0	3.342	0.065	18	5	3	243
PL.16146	PL.15801	A	6 A (CWC)	7.42Y	123.7	0.00	1.34	1.84	1	13	4	96	0.00	0.0	3.347	0.005	0	0	0	4
PD.2474	PL.16146	A	30T	7.42Y	123.7	0.00	1.34	1.84	0	13	4	96	0.00	0.0	3.347	0.005	0	0	0	4
PL.16147	PD.2474	A	6 A (CWC)	7.42Y	123.7	0.00	1.34	1.84	1	13	4	96	0.00	0.0	3.365	0.019	0	0	0	4
PL.15317	PL.16147	A	6 A (CWC)	7.42Y	123.6	0.01	1.35	1.84	1	13	4	96	0.00	0.0	3.477	0.112	0	0	0	4
PL.15318	PL.15317	A	6 A (CWC)	7.42Y	123.6	0.01	1.36	1.84	1	13	4	96	0.00	0.0	3.603	0.125	0	0	1	4
PL.15319	PL.15318	A	6 A (CWC)	7.42Y	123.6	0.01	1.37	1.84	1	13	4	96	0.00	0.0	3.722	0.120	13	3	2	3
PL.14572	PL.15319	A	#1/0 ACSR	7.42Y	123.6	0.00	1.37	0.09	0	1	0	100	0.00	0.0	3.877	0.155	1	0	1	1
PL.15314	PL.15801	ABC	336 MCM AC	7.42Y	123.6	0.02	1.37	81.89	16	1740	542	95	0.22	0.0	3.381	0.039	28	8	2	236
PL.15315	PL.15314	ABC	336 MCM AC	7.41Y	123.6	0.05	1.42	80.59	16	1712	534	95	0.48	0.0	3.468	0.087	0	0	0	234
PL.15802	PL.15315	ABC	336 MCM AC	7.41Y	123.5	0.05	1.47	79.27	15	1683	525	95	0.39	0.0	3.542	0.074	0	0	0	229
PL.14557	PL.15802	ABC	336 MCM AC	7.41Y	123.5	0.04	1.51	79.27	15	1683	524	95	0.38	0.0	3.614	0.072	0	0	0	229
PL.16140	PL.14557	B	6 A (CWC)	7.41Y	123.5	0.00	1.51	0.24	0	2	0	100	0.00	0.0	3.618	0.005	0	0	0	1
PD.2471	PL.16140	B	30T	7.41Y	123.5	0.00	1.51	0.24	0	2	0	100	0.00	0.0	3.618	0.005	0	0	0	1

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.16141	PD.2471	B	6 A (CWC)	7.41Y	123.5	0.00	1.51	0.24	0	2	0	100	0.00	0.0	3.657	0.039	2	0	1	1
PL.15316	PL.16141	B	6 A (CWC)	7.41Y	123.5	0.00	1.51	0.00	0	0	0	100	0.00	0.0	3.703	0.046	0	0	0	0
PL.15311	PL.14557	ABC	336 MCM AC	7.41Y	123.4	0.04	1.55	79.19	15	1681	523	95	0.37	0.0	3.685	0.071	11	3	2	228
PL.15312	PL.15311	ABC	336 MCM AC	7.40Y	123.4	0.03	1.59	78.67	15	1669	519	95	0.30	0.0	3.742	0.057	0	0	0	226
PL.16196	PL.15312	A	6 A (CWC)	7.40Y	123.4	0.00	1.59	1.77	1	13	3	97	0.00	0.0	3.746	0.005	0	0	0	2
PD.2501	PL.16196	A	30T	7.40Y	123.4	0.00	1.59	1.77	0	13	3	97	0.00	0.0	3.746	0.005	0	0	0	2
PL.16197	PD.2501	A	6 A (CWC)	7.40Y	123.4	0.00	1.59	1.77	1	13	3	97	0.00	0.0	3.806	0.060	13	3	2	2
PL.16226	PL.15312	C	6 A (CWC)	7.40Y	123.4	0.00	1.59	22.93	16	164	44	97	0.00	0.0	3.745	0.003	0	0	0	26
PD.2518	PL.16226	C	35L	7.40Y	123.4	0.00	1.59	22.93	66	164	44	97	0.00	0.0	3.745	0.003	0	0	0	26
PL.16227	PD.2518	C	6 A (CWC)	7.39Y	123.2	0.18	1.77	22.93	16	164	44	97	0.21	0.1	3.912	0.168	0	0	0	26
PL.15876	PL.16227	C	6 A (CWC)	7.38Y	123.1	0.17	1.94	22.93	16	164	44	97	0.20	0.1	4.076	0.164	4	1	1	26
PL.15877	PL.15876	C	6 A (CWC)	7.38Y	122.9	0.11	2.05	14.54	10	104	28	97	0.09	0.1	4.253	0.177	5	1	1	19
PL.14565	PL.15877	C	6 A (CWC)	7.38Y	122.9	0.00	2.05	1.16	1	8	2	97	0.00	0.0	4.331	0.078	8	2	2	2
PL.15880	PL.15877	C	6 A (CWC)	7.37Y	122.9	0.09	2.14	12.72	9	91	24	97	0.06	0.1	4.421	0.168	16	4	2	16
PL.15878	PL.15880	C	6 A (CWC)	7.37Y	122.9	0.01	2.15	2.59	2	18	5	96	0.00	0.0	4.477	0.056	7	2	1	3
PL.15879	PL.15878	C	6 A (CWC)	7.37Y	122.9	0.00	2.15	0.06	0	0	0	100	0.00	0.0	4.532	0.055	0	0	1	1
PL.14566	PL.15878	C	6 A (CWC)	7.37Y	122.8	0.01	2.15	1.50	1	11	3	96	0.00	0.0	4.567	0.090	0	0	0	1
PL.14567	PL.14566	C	#2 ACSR	7.37Y	122.8	0.00	2.15	1.50	1	11	3	96	0.00	0.0	4.591	0.024	11	3	1	1
PL.15920	PL.15880	C	6 A (CWC)	7.37Y	122.8	0.03	2.17	7.95	6	57	15	97	0.01	0.0	4.511	0.090	2	1	1	11
PL.15921	PL.15920	C	6 A (CWC)	7.37Y	122.8	0.03	2.20	7.60	5	54	15	96	0.01	0.0	4.595	0.084	13	3	3	10
PL.15918	PL.15921	C	6 A (CWC)	7.37Y	122.8	0.01	2.20	1.69	1	12	3	97	0.00	0.0	4.691	0.096	5	1	1	3
PL.15919	PL.15918	C	6 A (CWC)	7.37Y	122.8	0.00	2.21	0.92	1	7	2	96	0.00	0.0	4.784	0.094	5	1	1	2
PL.15922	PL.15919	C	#4 ACSR	7.37Y	122.8	0.00	2.21	0.25	0	2	0	100	0.00	0.0	4.843	0.059	2	0	1	1
PL.15923	PL.15922	C	#4 ACSR	7.37Y	122.8	0.00	2.21	0.00	0	0	0	100	0.00	0.0	4.894	0.051	0	0	0	0
PL.15924	PL.15923	C	#4 ACSR	7.37Y	122.8	0.00	2.21	0.00	0	0	0	100	0.00	0.0	4.966	0.071	0	0	0	0
PL.15916	PL.15921	C	#4 ACSR	7.37Y	122.8	0.01	2.21	4.13	3	29	8	96	0.00	0.0	4.653	0.058	0	0	0	4
PL.15917	PL.15916	C	#4 ACSR	7.37Y	122.8	0.01	2.22	4.13	3	29	8	96	0.00	0.0	4.715	0.062	0	0	0	4
PL.14568	PL.15917	C	#4 ACSR	7.37Y	122.8	0.02	2.24	3.25	2	23	6	97	0.00	0.0	4.843	0.128	0	0	0	3
PL.14570	PL.14568	C	#1/0 ACSR	7.37Y	122.8	0.00	2.24	2.37	1	17	5	96	0.00	0.0	4.904	0.061	17	5	1	1
PL.14569	PL.14568	C	#4 ACSR	7.37Y	122.8	0.00	2.24	0.88	1	6	2	95	0.00	0.0	4.925	0.082	6	2	2	2
PL.15804	PL.15917	C	#4 ACSR	7.37Y	122.8	0.00	2.22	0.88	1	6	2	95	0.00	0.0	4.833	0.117	6	2	1	1

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Balanced Voltage Drop Report  
Source: Booneville

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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.14563	PL.15876	C	#4 ACSR	7.38Y	123.0	0.02	1.95	7.81	6	56	15	97	0.01	0.0	4.128	0.052	0	0	0	6
PL.14564	PL.14563	C	#4 ACSR	7.38Y	123.0	0.00	1.96	1.47	1	10	3	96	0.00	0.0	4.198	0.070	10	3	1	1
PL.15326	PL.14563	C	#4 ACSR	7.38Y	123.0	0.04	1.99	6.34	5	45	12	97	0.01	0.0	4.264	0.136	7	2	1	5
PL.15327	PL.15326	C	#4 ACSR	7.38Y	123.0	0.01	2.00	5.41	4	39	10	97	0.00	0.0	4.319	0.055	0	0	0	4
PL.15303	PL.15327	C	#1/0 ACSR	7.38Y	123.0	0.00	2.01	4.11	2	29	8	96	0.00	0.0	4.347	0.028	9	3	1	3
PL.15304	PL.15303	C	#1/0 ACSR	7.38Y	123.0	0.00	2.01	2.79	1	20	5	97	0.00	0.0	4.434	0.087	20	5	2	2
PL.15803	PL.15327	C	#4 ACSR	7.38Y	123.0	0.00	2.00	1.30	1	9	2	98	0.00	0.0	4.340	0.021	0	0	0	1
PL.14571	PL.15803	C	#1/0 ACSR	7.38Y	123.0	0.00	2.01	1.30	1	9	2	98	0.00	0.0	4.490	0.149	0	0	0	1
PL.15847	PL.14571	C	#1/0 ACSR	7.38Y	123.0	0.00	2.01	1.30	1	9	2	98	0.00	0.0	4.572	0.083	9	2	1	1
PL.15883	PL.15312	ABC	336 MCM AC	7.40Y	123.4	0.05	1.63	70.44	14	1492	470	95	0.35	0.0	3.825	0.083	8	2	2	198
PL.14573	PL.15883	C	#4 ACSR	7.40Y	123.4	0.00	1.63	2.53	2	18	5	96	0.00	0.0	3.830	0.005	0	0	0	2
PD.2477	PL.14573	C	30T	7.40Y	123.4	0.00	1.63	2.53	0	18	5	96	0.00	0.0	3.830	0.005	0	0	0	2
PL.15805	PD.2477	C	#4 ACSR	7.40Y	123.4	0.00	1.63	1.44	1	10	3	96	0.00	0.0	3.857	0.027	10	3	1	1
PL.15881	PD.2477	C	#4 ACSR	7.40Y	123.4	0.00	1.63	1.09	1	8	2	97	0.00	0.0	3.833	0.003	0	0	0	1
PL.15882	PL.15881	C	#4 ACSR	7.40Y	123.4	0.00	1.63	1.09	1	8	2	97	0.00	0.0	3.834	0.001	0	0	0	1
PL.14574	PL.15882	C	#4 ACSR	7.40Y	123.4	0.00	1.64	1.09	1	8	2	97	0.00	0.0	3.905	0.072	8	2	1	1
PL.15322	PL.15883	ABC	336 MCM AC	7.40Y	123.3	0.05	1.68	69.22	13	1466	463	95	0.37	0.0	3.917	0.092	10	3	1	194
PL.15323	PL.15322	ABC	336 MCM AC	7.40Y	123.3	0.03	1.71	68.75	13	1455	459	95	0.22	0.0	3.973	0.056	0	0	0	193
PL.16150	PL.15323	C	6 A (CWC)	7.40Y	123.3	0.00	1.71	3.96	3	28	8	96	0.00	0.0	3.978	0.005	0	0	0	9
PD.2476	PL.16150	C	30T	7.40Y	123.3	0.00	1.71	3.96	0	28	8	96	0.00	0.0	3.978	0.005	0	0	0	9
PL.16151	PD.2476	C	6 A (CWC)	7.40Y	123.3	0.01	1.72	3.96	3	28	8	96	0.00	0.0	4.017	0.039	6	2	4	9
PL.15320	PL.16151	C	6 A (CWC)	7.40Y	123.3	0.00	1.72	3.16	2	23	6	97	0.00	0.0	4.053	0.036	4	1	3	5
PL.15321	PL.15320	C	6 A (CWC)	7.40Y	123.3	0.00	1.73	2.59	2	18	5	96	0.00	0.0	4.096	0.043	1	0	1	2
PL.14575	PL.15321	C	#1/0 ACSR	7.40Y	123.3	0.00	1.73	2.48	1	18	5	96	0.00	0.0	4.241	0.146	18	5	1	1
PL.15806	PL.15323	ABC	336 MCM AC	7.39Y	123.2	0.05	1.76	67.43	13	1427	451	95	0.37	0.0	4.071	0.098	0	0	0	184
PL.16152	PL.15806	C	6 A (CWC)	7.39Y	123.2	0.00	1.76	0.31	0	2	1	89	0.00	0.0	4.075	0.005	0	0	0	1
PD.2478	PL.16152	C	30T	7.39Y	123.2	0.00	1.76	0.31	0	2	1	89	0.00	0.0	4.075	0.005	0	0	0	1
PL.16153	PD.2478	C	6 A (CWC)	7.39Y	123.2	0.00	1.76	0.31	0	2	1	89	0.00	0.0	4.124	0.049	2	1	1	1
PL.15324	PL.15806	ABC	336 MCM AC	7.39Y	123.2	0.05	1.81	67.33	13	1424	449	95	0.35	0.0	4.162	0.092	16	4	2	183
PL.15325	PL.15324	ABC	336 MCM AC	7.39Y	123.2	0.03	1.84	66.57	13	1408	444	95	0.19	0.0	4.213	0.050	0	0	0	181
PL.16134	PL.15325	A	6 A (CWC)	7.39Y	123.2	0.00	1.84	3.29	2	24	6	97	0.00	0.0	4.217	0.005	0	0	0	3

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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	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.2467	PL.16134	A	30T	7.39Y	123.2	0.00	1.84	3.29	0	24	6	97	0.00	0.0	4.217	0.005	0	0	0	3
PL.16135	PD.2467	A	6 A (CWC)	7.39Y	123.2	0.01	1.85	3.29	2	24	6	97	0.00	0.0	4.275	0.058	0	0	0	3
PL.15807	PL.16135	A	6 A (CWC)	7.39Y	123.2	0.00	1.85	0.70	1	5	1	98	0.00	0.0	4.413	0.138	5	1	1	1
PL.14582	PL.16135	A	6 A (CWC)	7.39Y	123.2	0.00	1.85	2.59	2	19	5	97	0.00	0.0	4.323	0.048	19	5	2	2
PL.15874	PL.15325	ABC	336 MCM AC	7.39Y	123.1	0.06	1.90	65.48	13	1384	437	95	0.41	0.0	4.327	0.115	11	3	2	178
PL.16198	PL.15874	A	6 A (CWC)	7.39Y	123.1	0.00	1.90	6.66	5	48	13	97	0.00	0.0	4.332	0.005	0	0	0	9
PD.2502	PL.16198	A	30T	7.39Y	123.1	0.00	1.90	6.66	0	48	13	97	0.00	0.0	4.332	0.005	0	0	0	9
PL.16199	PD.2502	A	6 A (CWC)	7.38Y	123.1	0.02	1.92	6.66	5	48	13	97	0.01	0.0	4.417	0.085	5	1	2	9
PL.16003	PL.16199	A	6 A (CWC)	7.38Y	123.1	0.01	1.93	5.94	4	42	11	97	0.00	0.0	4.448	0.032	10	3	1	7
PL.16004	PL.16003	A	6 A (CWC)	7.38Y	123.1	0.02	1.95	4.48	3	32	9	96	0.00	0.0	4.541	0.093	0	0	1	6
PL.16005	PL.16004	A	#4 ACSR	7.38Y	123.0	0.01	1.95	4.48	3	32	9	96	0.00	0.0	4.581	0.039	13	4	2	5
PL.16006	PL.16005	A	#4 ACSR	7.38Y	123.0	0.01	1.96	2.63	2	19	5	97	0.00	0.0	4.640	0.059	0	0	0	3
PL.14581	PL.16006	A	#4 ACSR	7.38Y	123.0	0.00	1.96	0.65	0	5	1	98	0.00	0.0	4.723	0.084	5	1	2	2
PL.15753	PL.16006	A	#1/0 ACSR	7.38Y	123.0	0.00	1.96	1.99	1	14	4	96	0.00	0.0	4.672	0.032	14	4	1	1
PL.15875	PL.15874	ABC	336 MCM AC	7.38Y	123.1	0.03	1.93	62.25	12	1315	418	95	0.22	0.0	4.394	0.066	0	0	1	163
PL.16138	PL.15875	C	#4 ACSR	7.38Y	123.1	0.00	1.93	4.63	4	33	9	96	0.00	0.0	4.398	0.005	0	0	0	2
PD.2469	PL.16138	C	30T	7.38Y	123.1	0.00	1.93	4.63	0	33	9	96	0.00	0.0	4.398	0.005	0	0	0	2
PL.16139	PD.2469	C	#4 ACSR	7.38Y	123.1	0.00	1.93	4.63	4	33	9	96	0.00	0.0	4.417	0.018	33	9	2	2
PL.15310	PL.15875	A	#4 ACSR	7.38Y	123.1	0.00	1.93	2.09	2	15	4	97	0.00	0.0	4.407	0.013	7	2	1	2
PL.16136	PL.15310	A	#4 ACSR	7.38Y	123.1	0.00	1.93	1.11	1	8	2	97	0.00	0.0	4.412	0.005	0	0	0	1
PD.2468	PL.16136	A	30T	7.38Y	123.1	0.00	1.93	1.11	0	8	2	97	0.00	0.0	4.412	0.005	0	0	0	1
PL.16137	PD.2468	A	#4 ACSR	7.38Y	123.1	0.00	1.93	1.11	1	8	2	97	0.00	0.0	4.483	0.071	8	2	1	1
PL.15871	PL.15875	ABC	336 MCM AC	7.38Y	123.0	0.03	1.96	60.01	12	1266	405	95	0.22	0.0	4.468	0.074	11	3	2	158
PL.16230	PL.15871	ABC	#1/0 ACSR	7.38Y	123.0	0.00	1.97	22.06	10	471	129	96	0.01	0.0	4.477	0.009	0	0	0	85
PD.2521	PL.16230	ABC	50L	7.38Y	123.0	0.00	1.97	22.06	44	471	129	96	0.00	0.0	4.477	0.009	0	0	0	85
PL.16231	PD.2521	ABC	#1/0 ACSR	7.38Y	123.0	0.03	2.00	22.06	10	471	129	96	0.10	0.0	4.554	0.077	0	0	0	85
PL.15848	PL.16231	ABC	#1/0 ACSR	7.38Y	122.9	0.06	2.06	22.06	10	471	129	96	0.21	0.0	4.717	0.164	0	0	0	85
PL.15849	PL.15848	ABC	#1/0 ACSR	7.37Y	122.9	0.05	2.11	22.06	10	471	128	96	0.16	0.0	4.842	0.125	0	0	0	85
PL.15850	PL.15849	ABC	#1/0 ACSR	7.37Y	122.9	0.02	2.13	22.06	10	471	128	96	0.06	0.0	4.887	0.045	5	1	1	85
PL.14589	PL.15850	ABC	#1/0 ACSR	7.37Y	122.8	0.02	2.15	21.82	9	466	127	96	0.08	0.0	4.948	0.060	0	0	0	84
PL.16160	PL.14589	C	#1/0 ACSR	7.37Y	122.8	0.00	2.15	2.98	1	21	6	96	0.00	0.0	4.952	0.005	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	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.2482	PL.16160	C	20T	7.37Y	122.8	0.00	2.15	2.98	0	21	6	96	0.00	0.0	4.952	0.005	0	0	0	2
PL.16161	PD.2482	C	#1/0 ACSR	7.37Y	122.8	0.00	2.15	2.98	1	21	6	96	0.00	0.0	4.975	0.022	13	4	1	2
PL.16007	PL.16161	C	#1/0 ACSR	7.37Y	122.8	0.00	2.15	1.10	0	8	2	97	0.00	0.0	5.021	0.046	8	2	1	1
PL.15809	PL.14589	ABC	#1/0 ACSR	7.37Y	122.8	0.01	2.16	20.83	9	444	121	96	0.04	0.0	4.980	0.033	0	0	0	82
PL.16228	PL.15809	A	6 A (CWC)	7.37Y	122.8	0.05	2.22	37.98	27	270	74	96	0.11	0.0	5.012	0.032	0	0	0	55
C PD.2519	PL.16228	A	35L	7.37Y	122.8	0.00	2.22	37.98	109	270	74	96	0.00	0.0	5.012	0.032	0	0	0	55 C
PL.16229	PD.2519	A	6 A (CWC)	7.36Y	122.7	0.10	2.32	37.98	27	270	74	96	0.20	0.1	5.070	0.058	0	0	0	55
PL.14591	PL.16229	A	#4 ACSR	7.36Y	122.7	0.00	2.32	0.69	1	5	1	98	0.00	0.0	5.139	0.069	5	1	1	1
PL.16009	PL.16229	A	6 A (CWC)	7.35Y	122.5	0.16	2.48	37.29	27	265	73	96	0.31	0.1	5.164	0.094	7	2	2	54
PL.16010	PL.16009	A	6 A (CWC)	7.34Y	122.3	0.19	2.67	36.23	26	257	70	96	0.36	0.1	5.278	0.114	0	0	0	52
PL.16011	PL.16010	A	6 A (CWC)	7.33Y	122.2	0.12	2.78	34.96	25	248	68	96	0.22	0.1	5.352	0.074	4	1	1	48
PL.16012	PL.16011	A	6 A (CWC)	7.32Y	122.1	0.16	2.94	34.42	25	243	67	96	0.29	0.1	5.452	0.101	0	0	0	47
PL.16013	PL.16012	A	6 A (CWC)	7.31Y	121.9	0.15	3.09	34.42	25	243	66	97	0.27	0.1	5.548	0.096	5	1	1	47
PL.16014	PL.16013	A	6 A (CWC)	7.30Y	121.7	0.16	3.25	33.68	24	238	65	96	0.29	0.1	5.652	0.104	1	0	1	46
PL.16015	PL.16014	A	6 A (CWC)	7.30Y	121.6	0.13	3.38	33.57	24	237	64	97	0.23	0.1	5.737	0.086	0	0	0	45
PL.15811	PL.16015	A	6 A (CWC)	7.29Y	121.5	0.12	3.50	31.91	23	225	61	97	0.20	0.1	5.818	0.081	0	0	0	43
PL.15812	PL.15811	A	6 A (CWC)	7.28Y	121.4	0.11	3.61	31.00	22	218	59	97	0.19	0.1	5.899	0.080	0	0	0	42
PL.15885	PL.15812	A	6 A (CWC)	7.27Y	121.2	0.21	3.82	31.00	22	218	59	97	0.34	0.2	6.044	0.146	1	0	1	42
PL.15886	PL.15885	A	6 A (CWC)	7.27Y	121.1	0.08	3.90	29.43	21	207	56	97	0.13	0.1	6.108	0.064	4	1	2	40
PL.15746	PL.15886	A	6 A (CWC)	7.26Y	121.0	0.08	3.98	26.41	19	185	50	97	0.11	0.1	6.174	0.065	0	0	0	35
PL.15749	PL.15746	A	6 A (CWC)	7.26Y	120.9	0.08	4.07	24.68	18	173	47	97	0.11	0.1	6.246	0.073	0	0	0	30
PL.15759	PL.15749	A	6 A (CWC)	7.25Y	120.8	0.12	4.19	24.68	18	173	47	97	0.16	0.1	6.352	0.106	0	0	0	30
PL.15760	PL.15759	A	6 A (CWC)	7.24Y	120.7	0.12	4.30	24.68	18	173	47	97	0.15	0.1	6.456	0.104	0	0	0	30
PL.15761	PL.15760	A	6 A (CWC)	7.24Y	120.7	0.01	4.31	2.52	2	18	5	96	0.00	0.0	6.517	0.061	0	0	0	5
PL.15762	PL.15761	A	#4 ACSR	7.24Y	120.7	0.00	4.31	0.71	1	5	1	98	0.00	0.0	6.578	0.061	5	1	1	1
PL.15814	PL.15761	A	6 A (CWC)	7.24Y	120.7	0.00	4.31	1.81	1	13	3	97	0.00	0.0	6.558	0.041	12	3	2	4
PL.15763	PL.15814	A	#4 ACSR	7.24Y	120.7	0.00	4.31	0.09	0	1	0	100	0.00	0.0	6.618	0.060	0	0	1	2
PL.25715	PL.15763	A	#1/0 ACSR	7.24Y	120.7	0.00	4.31	0.09	0	1	0	100	0.00	0.0	6.663	0.045	1	0	1	1
PL.15828	PL.15760	A	6 A (CWC)	7.23Y	120.6	0.14	4.44	22.16	16	155	42	97	0.16	0.1	6.591	0.136	0	0	0	25
PL.16054	PL.15828	A	6 A (CWC)	7.22Y	120.4	0.15	4.59	22.16	16	155	42	97	0.18	0.1	6.741	0.149	3	1	4	25
PL.16055	PL.16054	A	6 A (CWC)	7.22Y	120.3	0.08	4.67	21.80	16	152	41	97	0.10	0.1	6.824	0.083	0	0	0	21

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Source: Booneville

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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.16056	PL.16055	A	6 A (CWC)	7.21Y	120.2	0.10	4.77	21.80	16	152	41	97	0.12	0.1	6.927	0.103	4	1	1	21
PL.16066	PL.16056	A	6 A (CWC)	7.21Y	120.1	0.10	4.87	21.17	15	147	40	96	0.11	0.1	7.026	0.099	0	0	0	20
PL.16067	PL.16066	A	6 A (CWC)	7.20Y	120.0	0.10	4.97	21.17	15	147	40	96	0.12	0.1	7.131	0.105	0	0	0	20
PL.15764	PL.16067	A	6 A (CWC)	7.20Y	120.0	0.08	5.05	21.17	15	147	40	96	0.09	0.1	7.215	0.083	0	0	0	20
PL.15906	PL.15764	A	6 A (CWC)	7.19Y	119.9	0.07	5.12	20.44	15	142	38	97	0.07	0.1	7.294	0.080	21	6	3	19
PL.16176	PL.15906	A	6 A (CWC)	7.19Y	119.9	0.00	5.12	5.66	4	39	11	96	0.00	0.0	7.299	0.005	0	0	0	6
PD.2490	PL.16176	A	15T	7.19Y	119.9	0.00	5.12	5.66	0	39	11	96	0.00	0.0	7.299	0.005	0	0	0	6
PL.16177	PD.2490	A	6 A (CWC)	7.19Y	119.9	0.03	5.15	5.66	4	39	11	96	0.01	0.0	7.400	0.101	0	0	0	6
PL.16068	PL.16177	A	#4 ACSR	7.19Y	119.8	0.00	5.15	2.40	2	17	4	97	0.00	0.0	7.443	0.044	0	0	0	1
PL.16069	PL.16068	A	#4 ACSR	7.19Y	119.8	0.00	5.15	2.40	2	17	4	97	0.00	0.0	7.458	0.014	17	4	1	1
PL.15766	PL.16177	A	6 A (CWC)	7.19Y	119.9	0.00	5.15	0.00	0	0	0	100	0.00	0.0	7.450	0.051	0	0	0	0
PL.15815	PL.16177	A	6 A (CWC)	7.19Y	119.8	0.02	5.17	3.27	2	23	6	97	0.00	0.0	7.544	0.144	0	0	0	5
PL.15767	PL.15815	A	#4 ACSR	7.19Y	119.8	0.00	5.17	2.60	2	18	5	96	0.00	0.0	7.581	0.037	18	5	1	1
PL.15895	PL.15815	A	6 A (CWC)	7.19Y	119.8	0.00	5.17	0.67	0	5	1	98	0.00	0.0	7.669	0.126	0	0	1	4
PL.15896	PL.15895	A	6 A (CWC)	7.19Y	119.8	0.00	5.17	0.67	0	5	1	98	0.00	0.0	7.812	0.143	5	1	1	2
PL.15768	PL.15896	A	#1/0 ACSR	7.19Y	119.8	0.00	5.17	0.01	0	0	0	100	0.00	0.0	7.994	0.182	0	0	1	1
PL.16178	PL.15895	A	#4 ACSR	7.19Y	119.8	0.00	5.17	0.00	0	0	0	100	0.00	0.0	7.674	0.004	0	0	0	1
PD.2491	PL.16178	A	30T	7.19Y	119.8	0.00	5.17	0.00	0	0	0	100	0.00	0.0	7.674	0.004	0	0	0	1
PL.16179	PD.2491	A	#4 ACSR	7.19Y	119.8	0.00	5.17	0.00	0	0	0	100	0.00	0.0	7.751	0.077	0	0	1	1
PL.15907	PL.15906	A	6 A (CWC)	7.19Y	119.9	0.01	5.12	5.58	4	39	10	97	0.00	0.0	7.320	0.026	0	0	0	5
PL.16076	PL.15907	A	#4 ACSR	7.19Y	119.9	0.00	5.13	5.58	4	39	10	97	0.00	0.0	7.334	0.013	8	2	1	5
PL.16077	PL.16076	A	#4 ACSR	7.19Y	119.9	0.02	5.14	4.43	3	31	8	97	0.00	0.0	7.432	0.099	11	3	1	4
PL.16078	PL.16077	A	#4 ACSR	7.19Y	119.8	0.02	5.16	2.79	2	19	5	97	0.00	0.0	7.601	0.168	6	2	1	3
PL.16079	PL.16078	A	#4 ACSR	7.19Y	119.8	0.00	5.17	1.96	2	14	4	96	0.00	0.0	7.714	0.114	14	4	2	2
PL.16202	PL.15906	A	#4 ACSR	7.19Y	119.9	0.00	5.12	6.23	5	43	12	96	0.00	0.0	7.299	0.005	0	0	0	5
PD.2504	PL.16202	A	15T	7.19Y	119.9	0.00	5.12	6.23	0	43	12	96	0.00	0.0	7.299	0.005	0	0	0	5
PL.16203	PD.2504	A	#4 ACSR	7.19Y	119.9	0.02	5.14	6.23	5	43	12	96	0.01	0.0	7.373	0.074	9	2	1	5
PL.16075	PL.16203	A	#4 ACSR	7.19Y	119.8	0.01	5.15	4.92	4	34	9	97	0.00	0.0	7.434	0.061	0	0	0	4
PL.16071	PL.16075	A	#4 ACSR	7.19Y	119.8	0.00	5.15	1.57	1	11	3	96	0.00	0.0	7.456	0.021	11	3	1	1
PL.16072	PL.16071	A	#4 ACSR	7.19Y	119.8	0.00	5.15	0.00	0	0	0	100	0.00	0.0	7.545	0.090	0	0	0	0
PL.16073	PL.16075	A	#4 ACSR	7.19Y	119.8	0.00	5.16	3.35	3	23	6	97	0.00	0.0	7.470	0.036	10	3	1	3

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

Balanced Voltage Drop Report  
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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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.16074	PL.16073	A	#4 ACSR	7.19Y	119.8	0.01	5.16	1.93	1	13	4	96	0.00	0.0	7.535	0.065	1	0	1	2
PL.16070	PL.16074	A	#4 ACSR	7.19Y	119.8	0.00	5.16	1.74	1	12	3	97	0.00	0.0	7.580	0.045	12	3	1	1
PL.15765	PL.15764	A	6 A (CWC)	7.20Y	119.9	0.00	5.05	0.73	1	5	1	98	0.00	0.0	7.276	0.062	5	1	1	1
PL.15752	PL.15749	A	#2 ACSR	7.26Y	120.9	0.00	4.07	0.00	0	0	0	100	0.00	0.0	6.347	0.101	0	0	0	0
PL.16016	PL.15746	A	6 A (CWC)	7.26Y	121.0	0.01	4.00	1.73	1	12	3	97	0.00	0.0	6.354	0.180	3	1	1	5
PL.16033	PL.16016	A	6 A (CWC)	7.26Y	121.0	0.00	4.00	1.24	1	9	2	98	0.00	0.0	6.481	0.128	7	2	2	4
PL.16034	PL.16033	A	6 A (CWC)	7.26Y	121.0	0.00	4.00	0.26	0	2	0	100	0.00	0.0	6.593	0.112	0	0	0	2
PL.15851	PL.16034	A	6 A (CWC)	7.26Y	121.0	0.00	4.00	0.26	0	2	0	100	0.00	0.0	6.676	0.083	0	0	0	2
PL.15747	PL.15851	A	6 A (CWC)	7.26Y	121.0	0.00	4.00	0.26	0	2	0	100	0.00	0.0	6.734	0.057	2	0	2	2
PL.15829	PL.15851	A	6 A (CWC)	7.26Y	121.0	0.00	4.00	0.00	0	0	0	100	0.00	0.0	6.769	0.093	0	0	0	0
PL.15750	PL.15886	A	#2 ACSR	7.27Y	121.1	0.01	3.91	2.41	1	17	5	96	0.00	0.0	6.243	0.135	0	0	0	3
PL.15813	PL.15750	A	#2 ACSR	7.26Y	121.1	0.00	3.92	1.50	1	11	3	96	0.00	0.0	6.353	0.109	11	3	2	2
PL.15751	PL.15750	A	#2 ACSR	7.27Y	121.1	0.00	3.92	0.92	1	6	2	95	0.00	0.0	6.329	0.086	6	2	1	1
PL.15745	PL.15885	A	#2 ACSR	7.27Y	121.2	0.00	3.82	1.47	1	10	3	96	0.00	0.0	6.103	0.059	10	3	1	1
PL.14594	PL.15812	A	#1/0 ACSR	7.28Y	121.4	0.00	3.61	0.00	0	0	0	100	0.00	0.0	5.941	0.042	0	0	0	0
PL.14593	PL.15811	A	#1/0 ACSR	7.29Y	121.5	0.00	3.50	0.92	0	6	2	95	0.00	0.0	5.879	0.061	6	2	1	1
PL.14592	PL.16015	A	6 A (CWC)	7.30Y	121.6	0.00	3.38	1.65	1	12	3	97	0.00	0.0	5.785	0.048	12	3	2	2
PL.16035	PL.16010	A	#4 ACSR	7.34Y	122.3	0.01	2.68	1.28	1	9	2	98	0.00	0.0	5.430	0.152	0	0	1	4
PL.16036	PL.16035	A	#4 ACSR	7.34Y	122.3	0.00	2.68	1.28	1	9	2	98	0.00	0.0	5.543	0.113	8	2	2	3
PL.16032	PL.16036	A	#1/0 ACSR	7.34Y	122.3	0.00	2.68	0.14	0	1	0	100	0.00	0.0	5.588	0.045	1	0	1	1
PL.14590	PL.15809	C	6 A (CWC)	7.37Y	122.8	0.08	2.24	24.51	18	174	47	97	0.10	0.1	5.052	0.072	8	2	1	27
PL.16162	PL.14590	C	6 A (CWC)	7.36Y	122.7	0.04	2.29	21.87	16	156	42	97	0.05	0.0	5.096	0.043	0	0	0	25
PD.2483	PL.16162	C	20T	7.36Y	122.7	0.00	2.29	21.87	0	155	42	97	0.00	0.0	5.096	0.043	0	0	0	25
PL.16163	PD.2483	C	6 A (CWC)	7.36Y	122.7	0.04	2.33	21.87	16	155	42	97	0.05	0.0	5.139	0.044	8	2	3	25
PL.16008	PL.16163	C	6 A (CWC)	7.36Y	122.6	0.08	2.41	20.79	15	148	40	97	0.08	0.1	5.220	0.081	0	0	0	22
PL.16017	PL.16008	C	6 A (CWC)	7.35Y	122.6	0.02	2.43	20.79	15	148	40	97	0.02	0.0	5.244	0.024	5	1	2	22
PL.16018	PL.16017	C	6 A (CWC)	7.35Y	122.5	0.09	2.52	20.10	14	143	38	97	0.09	0.1	5.340	0.096	0	0	1	20
PL.15755	PL.16018	C	#2 ACSR	7.35Y	122.5	0.00	2.52	1.04	1	7	2	96	0.00	0.0	5.410	0.070	7	2	1	1
PL.16019	PL.16018	C	#4 ACSR	7.35Y	122.5	0.03	2.54	19.02	15	135	36	97	0.03	0.0	5.375	0.035	10	3	1	18
PL.16020	PL.16019	C	#4 ACSR	7.35Y	122.4	0.02	2.57	17.54	13	124	33	97	0.02	0.0	5.406	0.031	15	4	2	17
PL.16025	PL.16020	C	#4 ACSR	7.34Y	122.4	0.02	2.59	9.11	7	65	17	97	0.01	0.0	5.468	0.062	21	6	2	9

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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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.16028	PL.16025	C	#4 ACSR	7.34Y	122.4	0.01	2.60	6.14	5	44	12	96	0.00	0.0	5.520	0.052	14	4	1	7
PL.16029	PL.16028	C	#4 ACSR	7.34Y	122.4	0.00	2.60	4.20	3	30	8	97	0.00	0.0	5.546	0.026	0	0	1	6
PL.16030	PL.16029	C	#4 ACSR	7.34Y	122.4	0.01	2.61	4.17	3	30	8	97	0.00	0.0	5.606	0.059	8	2	2	5
PL.16031	PL.16030	C	#4 ACSR	7.34Y	122.4	0.00	2.62	3.07	2	22	6	96	0.00	0.0	5.669	0.064	22	6	3	3
PL.16021	PL.16020	C	#4 ACSR	7.35Y	122.4	0.00	2.57	6.26	5	44	12	96	0.00	0.0	5.416	0.010	0	0	0	6
PL.16022	PL.16021	C	#4 ACSR	7.34Y	122.4	0.02	2.59	6.26	5	44	12	96	0.01	0.0	5.482	0.066	0	0	0	6
PL.15810	PL.16022	C	#4 ACSR	7.34Y	122.4	0.02	2.61	3.56	3	25	7	96	0.00	0.0	5.626	0.145	0	0	0	3
PL.15757	PL.15810	C	#2 ACSR	7.34Y	122.4	0.00	2.61	0.97	1	7	2	96	0.00	0.0	5.664	0.038	7	2	1	1
PL.16026	PL.15810	C	#4 ACSR	7.34Y	122.4	0.00	2.61	2.59	2	18	5	96	0.00	0.0	5.663	0.036	5	1	1	2
PL.16027	PL.16026	C	#4 ACSR	7.34Y	122.4	0.01	2.62	1.89	1	13	4	96	0.00	0.0	5.833	0.171	13	4	1	1
PL.15756	PL.16022	C	#1/0 ACSR	7.34Y	122.4	0.00	2.59	0.71	0	5	1	98	0.00	0.0	5.508	0.027	5	1	1	1
PL.16023	PL.16022	C	#4 ACSR	7.34Y	122.4	0.00	2.59	1.98	2	14	4	96	0.00	0.0	5.510	0.028	11	3	1	2
PL.16024	PL.16023	C	#4 ACSR	7.34Y	122.4	0.00	2.59	0.44	0	3	1	95	0.00	0.0	5.583	0.073	3	1	1	1
PL.16164	PL.14590	C	#1/0 ACSR	7.37Y	122.8	0.00	2.24	1.54	1	11	3	96	0.00	0.0	5.071	0.018	0	0	0	1
PD.2484	PL.16164	C	20T	7.37Y	122.8	0.00	2.24	1.54	0	11	3	96	0.00	0.0	5.071	0.018	0	0	0	1
PL.16165	PD.2484	C	#1/0 ACSR	7.37Y	122.8	0.00	2.25	1.54	1	11	3	96	0.00	0.0	5.193	0.122	11	3	1	1
PL.14578	PL.15871	ABC	336 MCM AC	7.38Y	123.0	0.02	1.98	37.48	7	784	272	94	0.07	0.0	4.526	0.058	0	0	0	71
PL.15816	PL.14578	ABC	336 MCM AC	7.38Y	123.0	0.04	2.02	36.32	7	759	266	94	0.16	0.0	4.666	0.140	0	0	0	67
PL.15783	PL.15816	ABC	336 MCM AC	7.38Y	122.9	0.03	2.05	35.37	7	739	260	94	0.12	0.0	4.779	0.113	0	0	0	65
PL.16156	PL.15783	C	6 A (CWC)	7.38Y	122.9	0.00	2.05	2.56	2	18	5	96	0.00	0.0	4.783	0.005	0	0	0	2
PD.2480	PL.16156	C	30T	7.38Y	122.9	0.00	2.05	2.56	0	18	5	96	0.00	0.0	4.783	0.005	0	0	0	2
PL.16157	PD.2480	C	6 A (CWC)	7.38Y	122.9	0.00	2.06	2.56	2	18	5	96	0.00	0.0	4.859	0.075	18	5	2	2
PL.15999	PL.15783	ABC	336 MCM AC	7.38Y	122.9	0.01	2.06	34.52	7	720	255	94	0.04	0.0	4.817	0.038	14	4	1	63
PL.16000	PL.15999	ABC	336 MCM AC	7.37Y	122.9	0.03	2.09	33.89	7	707	251	94	0.09	0.0	4.910	0.093	0	0	0	62
PL.15328	PL.16000	ABC	336 MCM AC	7.37Y	122.9	0.01	2.10	33.00	6	687	246	94	0.05	0.0	4.960	0.050	10	3	1	59
PL.15329	PL.15328	ABC	336 MCM AC	7.37Y	122.9	0.02	2.12	32.52	6	677	243	94	0.07	0.0	5.035	0.075	0	0	0	58
PL.16232	PL.15329	ABC	336 MCM AC	7.37Y	122.9	0.01	2.13	9.54	2	204	55	97	0.01	0.0	5.170	0.135	0	0	0	37
PD.2522	PL.16232	ABC	50L	7.37Y	122.9	0.00	2.13	9.54	19	204	55	97	0.00	0.0	5.170	0.135	0	0	0	37
PL.16233	PD.2522	ABC	336 MCM AC	7.37Y	122.9	0.00	2.13	9.54	2	204	55	97	0.00	0.0	5.177	0.007	0	0	0	37
PL.15825	PL.16233	ABC	336 MCM AC	7.37Y	122.9	0.01	2.14	8.14	2	174	47	97	0.01	0.0	5.328	0.151	0	0	0	30
PL.15854	PL.15825	ABC	336 MCM AC	7.37Y	122.9	0.01	2.15	8.14	2	174	47	97	0.01	0.0	5.471	0.143	0	0	0	30

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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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.15823	PL.15854	ABC	336 MCM AC	7.37Y	122.9	0.00	2.15	0.81	0	17	5	96	0.00	0.0	5.594	0.123	0	0	0	2
PL.15861	PL.15823	ABC	336 MCM AC	7.37Y	122.9	0.00	2.15	0.81	0	17	5	96	0.00	0.0	5.704	0.110	0	0	0	2
PL.15300	PL.15861	ABC	336 MCM AC	7.37Y	122.8	0.00	2.15	0.81	0	17	5	96	0.00	0.0	5.838	0.135	0	0	0	2
PL.15301	PL.15300	ABC	336 MCM AC	7.37Y	122.8	0.00	2.15	0.81	0	17	5	96	0.00	0.0	5.916	0.078	0	0	0	2
PL.15824	PL.15301	ABC	336 MCM AC	7.37Y	122.8	0.00	2.15	0.46	0	10	3	96	0.00	0.0	6.040	0.124	0	0	0	1
PL.15297	PL.15824	ABC	336 MCM AC	7.37Y	122.8	0.00	2.15	0.46	0	10	3	96	0.00	0.0	6.152	0.113	10	3	1	1
PL.16212	PL.15297	ABC	336 MCM AC	7.37Y	122.8	0.00	2.15	0.00	0	0	0	100	0.00	0.0	6.160	0.007	0	0	0	0
PD.2510-A	PL.16212	ABC	Open	7.37Y	122.8	0.00	2.15	0.00	0	0	0	100	0.00	0.0	6.160	0.007	0	0	0	0
PL.16126	PL.15301	A	#2 ACSR	7.37Y	122.8	0.00	2.15	1.03	1	7	2	96	0.00	0.0	5.920	0.004	0	0	0	1
PD.2463	PL.16126	A	20T	7.37Y	122.8	0.00	2.15	1.03	0	7	2	96	0.00	0.0	5.920	0.004	0	0	0	1
PL.16127	PD.2463	A	#2 ACSR	7.37Y	122.8	0.00	2.15	1.03	1	7	2	96	0.00	0.0	6.038	0.118	7	2	1	1
PL.16128	PL.15854	A	6 A (CWC)	7.37Y	122.9	0.00	2.15	0.00	0	0	0	100	0.00	0.0	5.475	0.005	0	0	0	1
PD.2464	PL.16128	A	20T	7.37Y	122.9	0.00	2.15	0.00	0	0	0	100	0.00	0.0	5.475	0.005	0	0	0	1
PL.16129	PD.2464	A	6 A (CWC)	7.37Y	122.9	0.00	2.15	0.00	0	0	0	100	0.00	0.0	5.562	0.087	0	0	1	1
PL.15775	PL.15854	C	6 A (CWC)	7.36Y	122.7	0.12	2.27	22.01	16	157	42	97	0.14	0.1	5.587	0.116	0	0	0	27
PL.15779	PL.15775	C	#1/0 ACSR	7.36Y	122.7	0.00	2.27	2.39	1	17	5	96	0.00	0.0	5.666	0.080	17	5	1	1
PL.16224	PL.15775	C	6 A (CWC)	7.36Y	122.7	0.08	2.34	19.62	14	140	38	97	0.08	0.1	5.674	0.088	0	0	0	26
PD.2517	PL.16224	C	100CodeSMo	7.36Y	122.7	0.00	2.34	19.62	0	139	38	96	0.00	0.0	5.674	0.088	0	0	0	26
PL.16225	PD.2517	C	6 A (CWC)	7.36Y	122.6	0.02	2.37	19.62	14	139	38	96	0.02	0.0	5.701	0.026	0	0	0	26
PL.15287	PL.16225	C	6 A (CWC)	7.36Y	122.6	0.04	2.41	19.62	14	139	38	96	0.04	0.0	5.746	0.045	0	0	1	26
PL.15286	PL.15287	C	6 A (CWC)	7.35Y	122.5	0.07	2.48	19.55	14	139	37	97	0.07	0.1	5.826	0.081	0	0	0	25
PL.16124	PL.15286	C	6 A (CWC)	7.35Y	122.5	0.00	2.48	6.58	5	47	13	96	0.00	0.0	5.831	0.005	0	0	0	11
PD.2462	PL.16124	C	10T	7.35Y	122.5	0.00	2.48	6.58	0	47	13	96	0.00	0.0	5.831	0.005	0	0	0	11
PL.16125	PD.2462	C	6 A (CWC)	7.35Y	122.5	0.05	2.53	6.58	5	47	13	96	0.02	0.0	6.011	0.180	0	0	0	11
PL.15820	PL.16125	C	6 A (CWC)	7.35Y	122.4	0.04	2.57	6.58	5	47	13	96	0.01	0.0	6.129	0.118	0	0	0	11
PL.15865	PL.15820	C	6 A (CWC)	7.34Y	122.4	0.04	2.61	6.58	5	47	13	96	0.01	0.0	6.259	0.131	0	0	1	11
PL.15866	PL.15865	C	6 A (CWC)	7.34Y	122.4	0.00	2.61	0.58	0	4	1	97	0.00	0.0	6.299	0.040	4	1	2	2
PL.15991	PL.15865	C	6 A (CWC)	7.34Y	122.4	0.02	2.63	5.98	4	42	11	97	0.01	0.0	6.355	0.096	5	1	1	8
PL.15992	PL.15991	C	6 A (CWC)	7.34Y	122.3	0.03	2.67	5.30	4	38	10	97	0.01	0.0	6.506	0.151	4	1	1	7
PL.15993	PL.15992	C	6 A (CWC)	7.34Y	122.3	0.02	2.69	4.70	3	33	9	96	0.01	0.0	6.608	0.102	0	0	0	6
PL.15855	PL.15993	C	6 A (CWC)	7.34Y	122.3	0.02	2.71	4.70	3	33	9	96	0.01	0.0	6.708	0.100	0	0	0	6

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Balanced Voltage Drop Report  
Source: Booneville

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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.15994	PL.15855	C	#4 ACSR	7.34Y	122.3	0.01	2.73	3.96	3	28	8	96	0.00	0.0	6.803	0.095	12	3	2	3
PL.15995	PL.15994	C	#4 ACSR	7.34Y	122.3	0.00	2.73	2.29	2	16	4	97	0.00	0.0	6.861	0.057	16	4	1	1
PL.15867	PL.15855	C	6 A (CWC)	7.34Y	122.3	0.00	2.71	0.74	1	5	1	98	0.00	0.0	6.797	0.089	0	0	1	3
PL.15781	PL.15867	C	#1/0 ACSR	7.34Y	122.3	0.00	2.71	0.00	0	0	0	100	0.00	0.0	6.856	0.059	0	0	0	0
PL.15868	PL.15867	C	6 A (CWC)	7.34Y	122.3	0.00	2.72	0.74	1	5	1	98	0.00	0.0	6.919	0.122	0	0	0	2
PL.15856	PL.15868	C	6 A (CWC)	7.34Y	122.3	0.00	2.72	0.74	1	5	1	98	0.00	0.0	7.039	0.120	0	0	0	2
PL.15863	PL.15856	C	6 A (CWC)	7.34Y	122.3	0.00	2.73	0.74	1	5	1	98	0.00	0.0	7.121	0.081	0	0	0	2
PL.15857	PL.15863	C	6 A (CWC)	7.34Y	122.3	0.01	2.73	0.74	1	5	1	98	0.00	0.0	7.287	0.166	0	0	0	2
PL.15858	PL.15857	C	6 A (CWC)	7.34Y	122.3	0.00	2.74	0.74	1	5	1	98	0.00	0.0	7.424	0.137	0	0	0	2
PL.15780	PL.15858	C	6 A (CWC)	7.34Y	122.3	0.00	2.74	0.00	0	0	0	100	0.00	0.0	7.496	0.072	0	0	0	0
PL.15819	PL.15858	C	6 A (CWC)	7.34Y	122.3	0.00	2.74	0.74	1	5	1	98	0.00	0.0	7.523	0.099	0	0	0	2
PL.15860	PL.15819	C	6 A (CWC)	7.34Y	122.3	0.00	2.74	0.74	1	5	1	98	0.00	0.0	7.626	0.104	0	0	1	2
PL.15787	PL.15860	C	#1/0 ACSR	7.34Y	122.3	0.00	2.74	0.74	0	5	1	98	0.00	0.0	7.741	0.115	5	1	1	1
PL.15785	PL.16125	C	#1/0 ACSR	7.35Y	122.5	0.00	2.53	0.00	0	0	0	100	0.00	0.0	6.051	0.040	0	0	0	0
PL.15821	PL.15286	C	6 A (CWC)	7.35Y	122.5	0.03	2.51	12.98	9	92	25	97	0.02	0.0	5.872	0.045	0	0	0	14
PL.15864	PL.15821	C	6 A (CWC)	7.35Y	122.4	0.05	2.55	12.32	9	87	24	96	0.03	0.0	5.952	0.080	0	0	1	12
PL.15777	PL.15864	C	#4 ACSR	7.35Y	122.4	0.02	2.57	5.27	4	37	10	97	0.00	0.0	6.022	0.070	0	0	0	3
PL.15298	PL.15777	C	#4 ACSR	7.35Y	122.4	0.01	2.58	3.31	3	24	6	97	0.00	0.0	6.155	0.133	13	3	1	2
PL.15299	PL.15298	C	#4 ACSR	7.34Y	122.4	0.00	2.59	1.49	1	11	3	96	0.00	0.0	6.271	0.115	11	3	1	1
PL.15778	PL.15777	C	#4 ACSR	7.35Y	122.4	0.00	2.57	1.95	2	14	4	96	0.00	0.0	6.137	0.115	14	4	1	1
PL.15998	PL.15864	C	6 A (CWC)	7.35Y	122.4	0.02	2.57	7.05	5	50	13	97	0.01	0.0	6.019	0.067	5	1	1	8
PL.15288	PL.15998	C	6 A (CWC)	7.34Y	122.4	0.02	2.60	6.40	5	45	12	97	0.01	0.0	6.108	0.089	4	1	1	7
PL.15289	PL.15288	C	6 A (CWC)	7.34Y	122.4	0.03	2.63	5.82	4	41	11	97	0.01	0.0	6.232	0.124	8	2	1	6
PL.15776	PL.15289	C	6 A (CWC)	7.34Y	122.4	0.00	2.63	1.97	1	14	4	96	0.00	0.0	6.287	0.055	0	0	0	3
PL.15822	PL.15776	C	6 A (CWC)	7.34Y	122.4	0.00	2.63	1.42	1	10	3	96	0.00	0.0	6.312	0.026	10	3	1	1
PL.15989	PL.15776	C	#2 ACSR	7.34Y	122.4	0.00	2.63	0.55	0	4	1	97	0.00	0.0	6.298	0.012	4	1	2	2
PL.15990	PL.15989	C	#2 ACSR	7.34Y	122.4	0.00	2.63	0.00	0	0	0	100	0.00	0.0	6.346	0.048	0	0	0	0
PL.15996	PL.15289	C	#4 ACSR	7.34Y	122.4	0.00	2.63	2.68	2	19	5	97	0.00	0.0	6.270	0.038	7	2	1	2
PL.15997	PL.15996	C	#4 ACSR	7.34Y	122.4	0.00	2.63	1.65	1	12	3	97	0.00	0.0	6.300	0.030	12	3	1	1
PL.15784	PL.15821	C	#4 ACSR	7.35Y	122.5	0.00	2.51	0.65	1	5	1	98	0.00	0.0	5.883	0.011	5	1	2	2
PL.16206	PL.16233	A	#2 ACSR	7.37Y	122.9	0.00	2.13	0.55	0	4	1	97	0.00	0.0	5.181	0.005	0	0	0	2

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----			
																KW	KVAR	Cons On	Cons Thru	
PD.2506	PL.16206	A	20T	7.37Y	122.9	0.00	2.13	0.55	0	4	1	97	0.00	0.0	5.181	0.005	0	0	0	2
PL.16207	PD.2506	A	#2 ACSR	7.37Y	122.9	0.00	2.13	0.55	0	4	1	97	0.00	0.0	5.313	0.132	2	1	1	2
PL.15330	PL.16207	A	#2 ACSR	7.37Y	122.9	0.00	2.13	0.28	0	2	1	89	0.00	0.0	5.379	0.066	2	1	1	1
PL.16130	PL.16233	C	6 A (CWC)	7.37Y	122.9	0.00	2.13	3.63	3	26	7	97	0.00	0.0	5.181	0.005	0	0	0	5
PD.2465	PL.16130	C	20T	7.37Y	122.9	0.00	2.13	3.63	0	26	7	97	0.00	0.0	5.181	0.005	0	0	0	5
PL.16131	PD.2465	C	6 A (CWC)	7.37Y	122.9	0.01	2.14	3.63	3	26	7	97	0.00	0.0	5.217	0.036	7	2	1	5
PL.15302	PL.16131	C	6 A (CWC)	7.37Y	122.9	0.01	2.14	2.69	2	19	5	97	0.00	0.0	5.285	0.068	5	1	1	4
PL.15292	PL.15302	C	#2 ACSR	7.37Y	122.9	0.00	2.15	0.99	1	7	2	96	0.00	0.0	5.408	0.123	6	2	1	2
PL.15293	PL.15292	C	#2 ACSR	7.37Y	122.9	0.00	2.15	0.16	0	1	0	100	0.00	0.0	5.475	0.068	1	0	1	1
PL.15774	PL.15302	C	#1/0 ACSR	7.37Y	122.9	0.00	2.14	1.04	0	7	2	96	0.00	0.0	5.351	0.066	7	2	1	1
PL.16210	PL.15329	ABC	#1/0 ACSR	7.37Y	122.9	0.00	2.12	23.03	10	474	188	93	0.01	0.0	5.039	0.005	0	0	0	21
PD.2509	PL.16210	ABC	30T	7.37Y	122.9	0.00	2.12	23.03	0	474	188	93	0.00	0.0	5.039	0.005	0	0	0	21
PL.16211	PD.2509	ABC	#1/0 ACSR	7.37Y	122.9	0.03	2.15	23.03	10	474	188	93	0.09	0.0	5.101	0.061	6	2	1	21
PL.15869	PL.16211	ABC	#1/0 ACSR	7.37Y	122.8	0.01	2.16	21.21	9	434	177	93	0.04	0.0	5.135	0.034	26	7	5	17
PL.15870	PL.15869	ABC	#1/0 ACSR	7.37Y	122.8	0.03	2.19	17.72	8	359	157	92	0.07	0.0	5.224	0.089	17	5	1	9
PL.15294	PL.15870	ABC	#1/0 ACSR	7.37Y	122.8	0.02	2.21	16.25	7	327	148	91	0.04	0.0	5.281	0.057	17	5	2	7
PL.15295	PL.15294	ABC	#1/0 ACSR	7.37Y	122.8	0.01	2.22	15.46	7	310	144	91	0.03	0.0	5.327	0.046	9	2	1	5
PL.15296	PL.15295	ABC	#1/0 ACSR	7.37Y	122.8	0.01	2.24	15.06	7	301	141	91	0.03	0.0	5.375	0.048	20	5	2	4
PL.15290	PL.15296	ABC	#1/0 ACSR	7.36Y	122.7	0.02	2.26	14.13	6	281	136	90	0.04	0.0	5.454	0.079	2	0	1	2
PL.15291	PL.15290	ABC	#1/0 ACSR	7.36Y	122.7	0.01	2.27	14.05	6	279	135	90	0.01	0.0	5.478	0.024	0	0	0	1
PL.15818	PL.15291	ABC	#1/0 ACSR	7.36Y	122.7	0.01	2.27	14.05	6	279	135	90	0.01	0.0	5.522	0.044	279	135	1	1
PL.15782	PL.15291	ABC	#1/0 ACSR	7.36Y	122.7	0.00	2.27	0.00	0	0	0	100	0.00	0.0	5.522	0.044	0	0	0	0
PL.16132	PL.15870	A	#2 ACSR	7.37Y	122.8	0.00	2.19	2.06	1	15	4	97	0.00	0.0	5.229	0.005	0	0	0	1
PD.2466	PL.16132	A	20T	7.37Y	122.8	0.00	2.19	2.06	0	15	4	97	0.00	0.0	5.229	0.005	0	0	0	1
PL.16133	PD.2466	A	#2 ACSR	7.37Y	122.8	0.00	2.19	2.06	1	15	4	97	0.00	0.0	5.280	0.051	15	4	1	1
PL.15305	PL.15869	A	6 A (CWC)	7.37Y	122.8	0.01	2.18	6.92	5	49	13	97	0.00	0.0	5.185	0.050	16	4	1	3
PL.15306	PL.15305	A	#4 ACSR	7.37Y	122.8	0.01	2.18	4.68	4	33	9	96	0.00	0.0	5.229	0.044	21	6	1	2
PL.15307	PL.15306	A	#4 ACSR	7.37Y	122.8	0.00	2.18	1.69	1	12	3	97	0.00	0.0	5.273	0.044	12	3	1	1
PL.15772	PL.16211	A	#2 ACSR	7.37Y	122.8	0.01	2.16	4.65	3	33	9	96	0.00	0.0	5.155	0.054	0	0	0	3
PL.15773	PL.15772	A	#2 ACSR	7.37Y	122.8	0.00	2.16	1.57	1	11	3	96	0.00	0.0	5.210	0.055	11	3	1	1
PL.15817	PL.15772	A	#2 ACSR	7.37Y	122.8	0.00	2.16	3.09	2	22	6	96	0.00	0.0	5.209	0.054	8	2	1	2

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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

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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	Length (mi)	-----Element-----		Cons On	Cons Thru
-----																				
PL.15786	PL.15817	A	#1/0 ACSR	7.37Y	122.8	0.00	2.16	1.96	1	14	4	96	0.00	0.0	5.239	0.029	14	4	1	1
PL.16154	PL.16000	C	#4 ACSR	7.37Y	122.9	0.00	2.09	2.68	2	19	5	97	0.00	0.0	4.914	0.005	0	0	0	3
PD.2479	PL.16154	C	30T	7.37Y	122.9	0.00	2.09	2.68	0	19	5	97	0.00	0.0	4.914	0.005	0	0	0	3
PL.16155	PD.2479	C	#4 ACSR	7.37Y	122.9	0.00	2.09	2.68	2	19	5	97	0.00	0.0	4.964	0.050	19	5	3	3
PL.16158	PL.15816	C	6 A (CWC)	7.38Y	123.0	0.00	2.02	2.86	2	20	5	97	0.00	0.0	4.671	0.005	0	0	0	2
PD.2481	PL.16158	C	30T	7.38Y	123.0	0.00	2.02	2.86	0	20	5	97	0.00	0.0	4.671	0.005	0	0	0	2
PL.16159	PD.2481	C	6 A (CWC)	7.38Y	123.0	0.00	2.02	2.86	2	20	5	97	0.00	0.0	4.728	0.057	20	5	2	2
PL.16200	PL.14578	C	6 A (CWC)	7.38Y	123.0	0.00	1.98	3.49	2	25	7	96	0.00	0.0	4.531	0.005	0	0	0	4
PD.2503	PL.16200	C	30T	7.38Y	123.0	0.00	1.98	3.49	0	25	7	96	0.00	0.0	4.531	0.005	0	0	0	4
PL.16201	PD.2503	C	6 A (CWC)	7.38Y	123.0	0.00	1.98	3.49	2	25	7	96	0.00	0.0	4.560	0.029	0	0	0	4
PL.14580	PL.16201	C	6 A (CWC)	7.38Y	123.0	0.00	1.98	0.00	0	0	0	100	0.00	0.0	4.624	0.064	0	0	0	0
PL.16001	PL.16201	C	#2 ACSR	7.38Y	123.0	0.00	1.99	3.49	2	25	7	96	0.00	0.0	4.610	0.050	11	3	3	4
PL.16002	PL.16001	C	#2 ACSR	7.38Y	123.0	0.00	1.99	1.89	1	14	4	96	0.00	0.0	4.702	0.092	14	4	1	1
PL.14576	PL.15874	C	6 A (CWC)	7.39Y	123.1	0.00	1.90	1.49	1	11	3	96	0.00	0.0	4.332	0.005	0	0	0	4
PD.2470	PL.14576	C	30T	7.39Y	123.1	0.00	1.90	1.49	0	11	3	96	0.00	0.0	4.332	0.005	0	0	0	4
PL.15872	PD.2470	C	6 A (CWC)	7.39Y	123.1	0.00	1.90	1.39	1	10	3	96	0.00	0.0	4.334	0.002	0	0	0	3
PL.15873	PL.15872	C	6 A (CWC)	7.39Y	123.1	0.00	1.90	1.39	1	10	3	96	0.00	0.0	4.334	0.000	0	0	0	3
PL.15308	PL.15873	C	6 A (CWC)	7.39Y	123.1	0.00	1.90	1.39	1	10	3	96	0.00	0.0	4.374	0.040	0	0	0	3
PL.15309	PL.15308	C	6 A (CWC)	7.39Y	123.1	0.00	1.90	1.39	1	10	3	96	0.00	0.0	4.393	0.018	0	0	0	3
PL.14583	PL.15309	C	6 A (CWC)	7.39Y	123.1	0.00	1.90	1.39	1	10	3	96	0.00	0.0	4.440	0.047	0	0	0	3
PL.14579	PL.14583	C	6 A (CWC)	7.39Y	123.1	0.00	1.90	1.39	1	10	3	96	0.00	0.0	4.507	0.068	10	3	3	3
PL.15808	PD.2470	C	6 A (CWC)	7.39Y	123.1	0.00	1.90	0.11	0	1	0	100	0.00	0.0	4.363	0.031	1	0	1	1
PL.14577	PL.15808	C	6 A (CWC)	7.39Y	123.1	0.00	1.90	0.00	0	0	0	100	0.00	0.0	4.396	0.033	0	0	0	0
PL.15832	PL.14577	C	6 A (CWC)	7.39Y	123.1	0.00	1.90	0.00	0	0	0	100	0.00	0.0	4.432	0.036	0	0	0	0
PL.14561	PL.15802	ABC	#4 ACSR	7.41Y	123.5	0.00	1.47	0.00	0	0	0	100	0.00	0.0	3.597	0.055	0	0	0	0
PL.16142	PL.15315	C	#2 ACSR	7.41Y	123.6	0.00	1.42	2.05	1	15	4	97	0.00	0.0	3.472	0.005	0	0	0	3
PD.2472	PL.16142	C	30T	7.41Y	123.6	0.00	1.42	2.05	0	15	4	97	0.00	0.0	3.472	0.005	0	0	0	3
PL.16143	PD.2472	C	#2 ACSR	7.41Y	123.6	0.00	1.43	2.05	1	15	4	97	0.00	0.0	3.539	0.067	0	0	1	3
PL.15313	PL.16143	C	#2 ACSR	7.41Y	123.6	0.01	1.43	2.05	1	15	4	97	0.00	0.0	3.671	0.132	3	1	1	2
PL.14560	PL.15313	C	#2 ACSR	7.41Y	123.6	0.00	1.44	1.57	1	11	3	96	0.00	0.0	3.746	0.076	11	3	1	1
PL.16194	PL.15315	A	#2 ACSR	7.41Y	123.6	0.00	1.42	1.91	1	14	4	96	0.00	0.0	3.472	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: Booneville

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	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.2500	PL.16194	A	30T	7.41Y	123.6	0.00	1.42	1.91	0	14	4	96	0.00	0.0	3.472	0.005	0	0	0	2
PL.16195	PD.2500	A	#2 ACSR	7.41Y	123.6	0.00	1.42	1.91	1	14	4	96	0.00	0.0	3.522	0.050	14	4	2	2
PL.16144	PL.15831	C	6 A (CWC)	7.42Y	123.7	0.00	1.30	5.80	4	42	11	97	0.00	0.0	3.281	0.005	0	0	0	6
PD.2473	PL.16144	C	30T	7.42Y	123.7	0.00	1.30	5.80	0	42	11	97	0.00	0.0	3.281	0.005	0	0	0	6
PL.16145	PD.2473	C	6 A (CWC)	7.42Y	123.7	0.01	1.31	5.80	4	42	11	97	0.00	0.0	3.307	0.026	11	3	2	6
PL.15884	PL.16145	C	6 A (CWC)	7.42Y	123.7	0.01	1.32	2.54	2	18	5	96	0.00	0.0	3.370	0.063	0	0	2	3
PL.14559	PL.15884	C	#4 ACSR	7.42Y	123.7	0.00	1.32	2.54	2	18	5	96	0.00	0.0	3.438	0.068	18	5	1	1
PL.14558	PL.16145	C	#1/0 ACSR	7.42Y	123.7	0.00	1.31	1.68	1	12	3	97	0.00	0.0	3.333	0.026	12	3	1	1
PL.16192	PL.15799	A	#4 ACSR	7.43Y	123.8	0.00	1.22	2.83	2	20	5	97	0.00	0.0	3.163	0.005	0	0	0	4
PD.2499	PL.16192	A	65T	7.43Y	123.8	0.00	1.22	2.83	0	20	5	97	0.00	0.0	3.163	0.005	0	0	0	4
PL.16193	PD.2499	A	#4 ACSR	7.43Y	123.8	0.00	1.22	2.83	2	20	5	97	0.00	0.0	3.182	0.019	20	5	4	4
PL.16166	PL.16037	C	#4 ACSR	7.43Y	123.8	0.00	1.19	2.42	2	17	5	96	0.00	0.0	3.117	0.005	0	0	0	2
PD.2485	PL.16166	C	65T	7.43Y	123.8	0.00	1.19	2.42	0	17	5	96	0.00	0.0	3.117	0.005	0	0	0	2
PL.16167	PD.2485	C	#4 ACSR	7.43Y	123.8	0.00	1.20	2.42	2	17	5	96	0.00	0.0	3.173	0.056	17	5	2	2
PL.16190	PL.16037	A	6 A (CWC)	7.43Y	123.8	0.00	1.19	2.12	2	15	4	97	0.00	0.0	3.117	0.005	0	0	0	2
PD.2498	PL.16190	A	65T	7.43Y	123.8	0.00	1.19	2.12	0	15	4	97	0.00	0.0	3.117	0.005	0	0	0	2
PL.16191	PD.2498	A	6 A (CWC)	7.43Y	123.8	0.00	1.20	2.12	2	15	4	97	0.00	0.0	3.163	0.046	15	4	2	2
PL.16180	PL.15743	C	#1/0 ACSR	7.35Y	122.6	0.00	2.43	1.11	0	8	2	97	0.00	0.0	2.654	0.005	0	0	0	1
PD.2492	PL.16180	C	65T	7.35Y	122.6	0.00	2.43	1.11	0	8	2	97	0.00	0.0	2.654	0.005	0	0	0	1
PL.16181	PD.2492	C	#1/0 ACSR	7.35Y	122.6	0.00	2.43	1.11	0	8	2	97	0.00	0.0	2.719	0.064	8	2	1	1
PL.16118	PL.15902	A	#4 ACSR	7.37Y	122.8	0.00	2.25	0.00	0	0	0	100	0.00	0.0	2.406	0.005	0	0	0	1
PD.2459	PL.16118	A	65T	7.37Y	122.8	0.00	2.25	0.00	0	0	0	100	0.00	0.0	2.406	0.005	0	0	0	1
PL.16119	PD.2459	A	#4 ACSR	7.37Y	122.8	0.00	2.25	0.00	0	0	0	100	0.00	0.0	2.499	0.093	0	0	1	1
PL.16120	PL.15901	C	#1/0 ACSR	7.37Y	122.8	0.00	2.19	1.22	1	9	2	98	0.00	0.0	2.329	0.005	0	0	0	1
PD.2460	PL.16120	C	65T	7.37Y	122.8	0.00	2.19	1.22	0	9	2	98	0.00	0.0	2.329	0.005	0	0	0	1
PL.16121	PD.2460	C	#1/0 ACSR	7.37Y	122.8	0.00	2.19	1.22	1	9	2	98	0.00	0.0	2.376	0.047	9	2	1	1
PL.16122	PL.16215	C	#2 ACSR	7.38Y	123.0	0.00	2.02	2.36	1	17	5	96	0.00	0.0	2.114	0.005	0	0	0	1
PD.2461	PL.16122	C	65T	7.38Y	123.0	0.00	2.02	2.36	0	17	5	96	0.00	0.0	2.114	0.005	0	0	0	1
PL.16123	PD.2461	C	#2 ACSR	7.38Y	123.0	0.00	2.02	2.36	1	17	5	96	0.00	0.0	2.154	0.040	17	5	1	1
PL.16114	PL.15900	C	6 A (CWC)	7.39Y	123.1	0.00	1.88	3.71	3	26	7	97	0.00	0.0	1.938	0.005	0	0	0	4
PD.2457	PL.16114	C	65T	7.39Y	123.1	0.00	1.88	3.71	0	26	7	97	0.00	0.0	1.938	0.005	0	0	0	4

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

Balanced Voltage Drop Report  
Source: Booneville

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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.16115	PD.2457	C	6 A (CWC)	7.39Y	123.1	0.00	1.88	3.71	3	26	7	97	0.00	0.0	1.950	0.011	8	2	1	4
PL.15731	PL.16115	C	#1/0 ACSR	7.39Y	123.1	0.00	1.88	2.60	1	19	5	97	0.00	0.0	1.980	0.031	19	5	3	3
PL.15730	PL.15728	C	#1/0 ACSR	7.40Y	123.4	0.00	1.64	0.00	0	0	0	100	0.00	0.0	1.690	0.028	0	0	0	0
PL.15729	PL.15964	ABC	#1/0 ACSR	7.40Y	123.4	0.00	1.62	0.16	0	3	2	83	0.00	0.0	1.676	0.037	3	2	1	1
PL.16102	PL.15910	A	6 A (CWC)	7.42Y	123.6	0.00	1.39	1.56	1	11	3	96	0.00	0.0	1.371	0.005	0	0	0	2
PD.2451	PL.16102	A	65T	7.42Y	123.6	0.00	1.39	1.56	0	11	3	96	0.00	0.0	1.371	0.005	0	0	0	2
PL.16103	PD.2451	A	6 A (CWC)	7.42Y	123.6	0.00	1.39	1.56	1	11	3	96	0.00	0.0	1.423	0.052	11	3	2	2
PL.16100	PL.15960	A	#4 ACSR	7.43Y	123.9	0.00	1.11	0.51	0	4	1	97	0.00	0.0	1.061	0.005	0	0	0	1
PD.2450	PL.16100	A	65T	7.43Y	123.9	0.00	1.11	0.51	0	4	1	97	0.00	0.0	1.061	0.005	0	0	0	1
PL.16101	PD.2450	A	#4 ACSR	7.43Y	123.9	0.00	1.11	0.51	0	4	1	97	0.00	0.0	1.075	0.014	4	1	1	1
PL.16094	PL.15958	A	#4 ACSR	7.44Y	124.0	0.00	0.96	2.73	2	20	5	97	0.00	0.0	0.893	0.005	0	0	0	2
PD.2447	PL.16094	A	65T	7.44Y	124.0	0.00	0.96	2.73	0	20	5	97	0.00	0.0	0.893	0.005	0	0	0	2
PL.16095	PD.2447	A	#4 ACSR	7.44Y	124.0	0.00	0.96	2.73	2	20	5	97	0.00	0.0	0.955	0.063	20	5	2	2
PL.16182	PL.15899	A	6 A (CWC)	7.45Y	124.1	0.00	0.86	7.87	6	57	15	97	0.00	0.0	0.792	0.005	0	0	0	4
PD.2494	PL.16182	A	65T	7.45Y	124.1	0.00	0.86	7.87	0	57	15	97	0.00	0.0	0.792	0.005	0	0	0	4
PL.16183	PD.2494	A	6 A (CWC)	7.45Y	124.1	0.01	0.87	7.87	6	57	15	97	0.00	0.0	0.828	0.036	49	13	3	4
PL.15725	PL.16183	A	#4 ACSR	7.45Y	124.1	0.00	0.87	1.05	1	8	2	97	0.00	0.0	0.916	0.088	8	2	1	1
PL.16090	PL.15893	C	#1/0 ACSR	7.47Y	124.4	0.00	0.57	2.82	1	20	5	97	0.00	0.0	0.515	0.004	0	0	0	1
PD.2445	PL.16090	C	65T	7.47Y	124.4	0.00	0.57	2.82	0	20	5	97	0.00	0.0	0.515	0.004	0	0	0	1
PL.16091	PD.2445	C	#1/0 ACSR	7.47Y	124.4	0.00	0.58	2.82	1	20	5	97	0.00	0.0	0.545	0.029	20	5	1	1
PL.16086	PL.15890	A	6 A (CWC)	7.48Y	124.6	0.00	0.36	4.57	3	33	9	96	0.00	0.0	0.318	0.005	0	0	0	4
PD.2443	PL.16086	A	65T	7.48Y	124.6	0.00	0.36	4.57	0	33	9	96	0.00	0.0	0.318	0.005	0	0	0	4
PL.16087	PD.2443	A	6 A (CWC)	7.48Y	124.6	0.01	0.37	4.57	3	33	9	96	0.00	0.0	0.371	0.053	14	4	1	4
PL.15942	PL.16087	A	6 A (CWC)	7.48Y	124.6	0.00	0.37	2.68	2	19	5	97	0.00	0.0	0.396	0.025	6	2	1	3
PL.15943	PL.15942	A	6 A (CWC)	7.48Y	124.6	0.00	0.38	1.82	1	13	4	96	0.00	0.0	0.422	0.026	0	0	0	2
PL.15944	PL.15943	A	6 A (CWC)	7.48Y	124.6	0.00	0.38	1.82	1	13	4	96	0.00	0.0	0.445	0.023	0	0	0	2
PL.15260	PL.15944	A	6 A (CWC)	7.48Y	124.6	0.00	0.38	1.82	1	13	4	96	0.00	0.0	0.457	0.012	13	4	2	2
PL.15937	PL.15789	C	#4 ACSR	7.48Y	124.7	0.01	0.28	7.40	6	53	14	97	0.00	0.0	0.258	0.020	12	3	1	10
PL.16082	PL.15937	C	#4 ACSR	7.48Y	124.7	0.00	0.28	5.79	4	42	11	97	0.00	0.0	0.263	0.004	0	0	0	9
PD.2441	PL.16082	C	65T	7.48Y	124.7	0.00	0.28	5.79	0	42	11	97	0.00	0.0	0.263	0.004	0	0	0	9
PL.16083	PD.2441	C	#4 ACSR	7.48Y	124.7	0.01	0.30	5.79	4	42	11	97	0.00	0.0	0.327	0.064	7	2	2	9

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Balanced Voltage Drop Report  
Source: Booneville

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	Length (mi)	-----Element-----			
																KW	KVAR	Cons On	Cons Thru	
PL.15258	PL.16083	C	#1/0 ACSR	7.48Y	124.7	0.00	0.30	0.00	0	0	0	100	0.00	0.0	0.368	0.041	0	0	1	1
PL.15934	PL.16083	C	#2 ACSR	7.48Y	124.7	0.01	0.31	4.78	3	35	9	97	0.00	0.0	0.374	0.047	9	2	3	6
PL.15935	PL.15934	C	#2 ACSR	7.48Y	124.7	0.00	0.31	3.52	2	25	7	96	0.00	0.0	0.397	0.023	9	2	1	3
PL.15936	PL.15935	C	#2 ACSR	7.48Y	124.7	0.00	0.31	2.27	1	16	4	97	0.00	0.0	0.433	0.036	14	4	1	2
PL.15933	PL.15936	C	#2 ACSR	7.48Y	124.7	0.00	0.31	0.28	0	2	1	89	0.00	0.0	0.478	0.045	2	1	1	1

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	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load	Losses	Total			
KW	11428	0	0	0	0	0	316		0.00	11744	Lowest Voltage =	117.17	on Element PL.14444
KVAR	3460	0	0	-6	0	0	411			3864	Max Accm VoltD =	7.83	on Element PL.14444
											Max Elem VoltD =	0.56	on Element PL.14250