Balanced Voltage Drop Report
Source: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
Greenbriar		ABC	SRC-Greenb	7.50Y	125.0	0.00	0.00	487.00	0	10406	3433	95	0.00	0.0	0.000	0.000	0	0	0	1628	
PL.4927	Greenbriar	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	13.57	3	290	94	95	0.00	0.0	0.008	0.008	0	0	0	32	
PL.7530	PL.4927	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	13.57	3	290	94	95	0.00	0.0	0.010	0.002	0	0	0	32	
---------- Feeder No. 4 (Fox Hollow F4) Beginning with Device PD.1909 ----------																					
PD.1909	PL.7530	ABC	480VWE	7.50Y	125.0	0.00	0.00	13.57	0	290	94	95	0.00	0.0	0.010	0.002	0	0	0	32	
PL.7531	PD.1909	ABC	336 MCM AC	7.50Y	125.0	0.01	0.01	13.57	3	290	94	95	0.01	0.0	0.095	0.086	0	0	1	32	
PL.4908	PL.7531	ABC	336 MCM AC	7.50Y	125.0	0.00	0.01	13.55	3	290	94	95	0.00	0.0	0.103	0.007	0	0	0	31	
PL.4897	PL.4908	ABC	336 MCM AC	7.50Y	125.0	0.01	0.02	13.55	3	290	94	95	0.02	0.0	0.214	0.111	0	0	0	31	
PL.4896	PL.4897	ABC	336 MCM AC	7.50Y	125.0	0.01	0.04	13.55	3	290	94	95	0.02	0.0	0.333	0.119	0	0	0	31	
PL.4882	PL.4896	A	#4 ACSR	7.50Y	125.0	0.00	0.04	0.63	0	5	1	98	0.00	0.0	0.465	0.132	5	1	1	1	
PL.4911	PL.4896	ABC	336 MCM AC	7.50Y	125.0	0.00	0.04	13.34	3	285	93	95	0.01	0.0	0.370	0.037	7	1	1	30	
PL.4912	PL.4911	ABC	336 MCM AC	7.50Y	125.0	0.01	0.04	13.03	3	278	92	95	0.01	0.0	0.424	0.054	0	0	0	29	
PL.4890	PL.4912	ABC	336 MCM AC	7.50Y	124.9	0.01	0.05	12.75	2	272	90	95	0.01	0.0	0.496	0.073	0	0	0	27	
PL.4482	PL.4890	C	#2 ACSR	7.50Y	124.9	0.00	0.05	9.40	5	69	14	98	0.00	0.0	0.500	0.003	0	0	0	15	
PD.912	PL.4482	C	65T	7.50Y	124.9	0.00	0.05	9.40	0	69	14	98	0.00	0.0	0.500	0.003	0	0	0	15	
PL.4483	PD.912	C	#2 ACSR	7.50Y	124.9	0.02	0.07	9.40	5	69	14	98	0.01	0.0	0.558	0.058	3	1	2	15	
PL.4910	PL.4483	C	#2 ACSR	7.50Y	124.9	0.01	0.08	8.95	5	66	13	98	0.00	0.0	0.595	0.037	4	1	2	13	
PL.4909	PL.4910	C	#2 ACSR	7.49Y	124.9	0.02	0.10	8.44	5	62	13	98	0.01	0.0	0.675	0.080	5	1	2	11	
PL.4884	PL.4909	C	#4 ACSR	7.49Y	124.9	0.00	0.10	3.00	2	22	5	98	0.00	0.0	0.712	0.036	0	0	0	4	
PL.4885	PL.4884	C	#4 ACSR	7.49Y	124.9	0.00	0.10	0.00	0	0	0	100	0.00	0.0	0.724	0.012	0	0	0	0	
PL.4891	PL.4884	C	#4 ACSR	7.49Y	124.9	0.00	0.10	3.00	2	22	5	98	0.00	0.0	0.722	0.011	22	5	4	4	
PL.4883	PL.4909	C	#2 ACSR	7.49Y	124.9	0.00	0.10	4.73	3	35	7	98	0.00	0.0	0.697	0.022	0	0	0	5	
PL.4484	PL.4883	C	1/0 AL URD	7.49Y	124.9	0.00	0.10	3.08	2	23	4	99	0.00	0.0	0.700	0.004	0	0	0	4	
PD.913	PL.4484	C	65T	7.49Y	124.9	0.00	0.10	3.08	0	23	4	99	0.00	0.0	0.700	0.004	0	0	0	4	
PL.4485	PD.913	C	1/0 AL URD	7.49Y	124.9	0.00	0.10	3.08	2	23	4	99	0.00	0.0	0.713	0.013	12	3	2	4	
P PL.4889	PL.4485	C	1/0 AL URD	7.49Y	124.9	0.00	0.10	-0.02	0	0	0	100	0.00	0.0	0.743	0.030	0	0	0	0	P
PL.4892	PL.4485	C	1/0 AL URD	7.49Y	124.9	0.00	0.10	1.38	1	10	2	98	0.00	0.0	0.742	0.028	10	2	2	2	
PL.4486	PL.4883	C	1/0 AL URD	7.49Y	124.9	0.00	0.10	1.65	1	12	2	99	0.00	0.0	0.700	0.003	0	0	0	1	
PD.914	PL.4486	C	65T	7.49Y	124.9	0.00	0.10	1.65	0	12	2	99	0.00	0.0	0.700	0.003	0	0	0	1	
PL.4487	PD.914	C	1/0 AL URD	7.49Y	124.9	0.00	0.10	1.65	1	12	2	99	0.00	0.0	0.739	0.039	12	3	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
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Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.4901	PL.4890	ABC	336 MCM AC	7.50Y	124.9	0.01	0.06	9.65	2	203	76	94	0.01	0.0	0.618	0.121	0	0	0	12
PL.4902	PL.4901	ABC	336 MCM AC	7.50Y	124.9	0.01	0.07	9.59	2	202	76	94	0.01	0.0	0.705	0.088	0	0	0	11
PL.4893	PL.4902	ABC	336 MCM AC	7.50Y	124.9	0.00	0.07	3.66	1	81	17	98	0.00	0.0	0.866	0.161	0	0	0	9
PL.4895	PL.4893	ABC	336 MCM AC	7.50Y	124.9	0.00	0.07	2.07	0	46	10	98	0.00	0.0	0.894	0.027	0	0	0	8
PL.4906	PL.4895	B	#4 ACSR	7.49Y	124.9	0.04	0.11	6.22	5	46	10	98	0.01	0.0	1.036	0.143	4	1	2	8
PL.4907	PL.4906	B	#4 ACSR	7.49Y	124.9	0.01	0.12	5.67	4	42	9	98	0.00	0.0	1.071	0.035	0	0	0	6
PL.4904	PL.4907	B	#4 ACSR	7.49Y	124.9	0.00	0.12	3.61	3	26	6	97	0.00	0.0	1.110	0.039	12	3	1	4
PL.4905	PL.4904	B	#4 ACSR	7.49Y	124.9	0.00	0.13	1.98	2	15	3	98	0.00	0.0	1.151	0.041	6	1	1	3
PL.4903	PL.4905	B	#4 ACSR	7.49Y	124.9	0.00	0.13	1.10	1	8	2	97	0.00	0.0	1.181	0.030	8	2	2	2
PL.4888	PL.4907	B	#2 ACSR	7.49Y	124.9	0.00	0.12	2.05	1	15	3	98	0.00	0.0	1.104	0.033	15	3	2	2
PL.4913	PL.4893	C	#4 ACSR	7.50Y	124.9	0.00	0.08	4.75	4	35	7	98	0.00	0.0	0.890	0.024	0	0	0	1
PL.4490	PL.4913	C	#4 ACSR	7.50Y	124.9	0.00	0.08	4.75	4	35	7	98	0.00	0.0	0.893	0.004	0	0	0	1
PD.916	PL.4490	C	65T	7.50Y	124.9	0.00	0.08	4.75	0	35	7	98	0.00	0.0	0.893	0.004	0	0	0	1
PL.4491	PD.916	C	#4 ACSR	7.49Y	124.9	0.02	0.10	4.75	4	35	7	98	0.00	0.0	0.984	0.090	0	0	0	1
PL.4898	PL.4491	C	#4 ACSR	7.49Y	124.9	0.02	0.12	4.75	4	35	7	98	0.00	0.0	1.073	0.090	0	0	0	1
PL.4899	PL.4898	C	#4 ACSR	7.49Y	124.9	0.01	0.13	4.75	4	35	7	98	0.00	0.0	1.179	0.106	35	7	1	1
PL.4887	PL.4902	ABC	#4/0 ACSR	7.50Y	124.9	0.01	0.08	5.99	2	121	59	90	0.01	0.0	0.823	0.118	0	0	0	2
PL.4488	PL.4887	C	#2 ACSR	7.50Y	124.9	0.00	0.08	0.01	0	0	0	100	0.00	0.0	0.826	0.004	0	0	0	1
PD.915	PL.4488	C	65T	7.50Y	124.9	0.00	0.08	0.01	0	0	0	100	0.00	0.0	0.826	0.004	0	0	0	1
PL.4489	PD.915	C	#2 ACSR	7.50Y	124.9	0.00	0.08	0.01	0	0	0	100	0.00	0.0	0.958	0.132	0	0	1	1
PL.4894	PL.4887	ABC	#4/0 ACSR	7.50Y	124.9	0.00	0.08	5.99	2	121	59	90	0.00	0.0	0.893	0.071	121	59	1	1
PL.4886	PL.4901	ABC	#2 ACSR	7.50Y	124.9	0.00	0.06	0.06	0	1	1	71	0.00	0.0	0.635	0.017	1	1	1	1
PL.4480	PL.4912	ABC	#2 ACSR	7.50Y	125.0	0.00	0.04	0.28	0	6	1	99	0.00	0.0	0.427	0.003	0	0	0	2
PD.911	PL.4480	ABC	65T	7.50Y	125.0	0.00	0.04	0.28	0	6	1	99	0.00	0.0	0.427	0.003	0	0	0	2
PL.4481	PD.911	ABC	#2 ACSR	7.50Y	125.0	0.00	0.04	0.28	0	6	1	99	0.00	0.0	0.461	0.034	0	0	1	2
PL.4900	PL.4481	ABC	#2 ACSR	7.50Y	125.0	0.00	0.04	0.26	0	6	1	99	0.00	0.0	0.463	0.002	6	1	1	1
PL.4925	Greenbriar	ABC	336 MCM AC	7.50Y	125.0	0.01	0.01	98.85	19	1999	974	90	0.06	0.0	0.008	0.008	0	0	0	2
PL.7524	PL.4925	ABC	336 MCM AC	7.50Y	125.0	0.00	0.01	98.85	19	1999	974	90	0.01	0.0	0.009	0.002	0	0	0	2

---------- Feeder No. 1 (Fed Prison F1) Beginning with Device PD.1906 ----------

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Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.1906	PL.7524	ABC	480VWE	7.50Y	125.0	0.00	0.01	98.85	0	1999	974	90	0.00	0.0	0.009	0.002	0	0	0	2
PL.7525	PD.1906	ABC	336 MCM AC	7.50Y	125.0	0.01	0.02	98.85	19	1999	974	90	0.06	0.0	0.017	0.008	0	0	0	2
PL.4881	PL.7525	ABC	336 MCM AC	7.50Y	125.0	0.01	0.03	98.85	19	1999	974	90	0.11	0.0	0.031	0.014	0	0	0	2
PL.4878	PL.4881	ABC	336 MCM AC	7.49Y	124.8	0.13	0.16	98.85	19	1999	974	90	1.20	0.1	0.177	0.146	0	0	0	2
PL.4876	PL.4878	ABC	336 MCM AC	7.49Y	124.8	0.07	0.23	98.85	19	1998	971	90	0.63	0.0	0.254	0.077	0	0	0	2
PL.4879	PL.4876	ABC	336 MCM AC	7.48Y	124.7	0.11	0.33	98.85	19	1997	969	90	1.01	0.1	0.377	0.123	0	0	0	2
PL.4478	PL.4879	ABC	350 MCM AL	7.48Y	124.7	0.00	0.33	0.54	0	11	5	91	0.00	0.0	0.377	0.001	0	0	0	1
PD.910	PL.4478	ABC	65T	7.48Y	124.7	0.00	0.33	0.54	0	11	5	91	0.00	0.0	0.377	0.001	0	0	0	1
PL.4479	PD.910	ABC	350 MCM AL	7.48Y	124.7	0.00	0.33	0.54	0	11	5	91	0.00	0.0	0.379	0.002	11	5	1	1
PL.4880	PL.4879	ABC	336 MCM AC	7.48Y	124.7	0.01	0.34	98.31	19	1985	962	90	0.05	0.0	0.383	0.006	0	0	0	1
PL.72522	PL.4880	ABC	336 MCM AC	7.48Y	124.7	0.00	0.34	98.31	19	1985	962	90	0.00	0.0	0.385	0.002	1985	962	1	1
CP.112	PL.4880	ABC	Cap (300)	7.48Y	124.7	0.00	0.34	0.00	0	0	0	100	0.00	0.0	0.383	0.002	0	0	0	0
PL.7120	Greenbriar	ABC	336 MCM AC	7.50Y	125.0	0.02	0.02	277.91	54	6016	1703	96	0.63	0.0	0.010	0.010	0	0	0	1220
PL.7526	PL.7120	ABC	336 MCM AC	7.50Y	125.0	0.00	0.02	277.91	54	6016	1702	96	0.13	0.0	0.012	0.002	0	0	0	1220
---------- Feeder No. 2 (Island Creek F2) Beginning with Device PD.1907 ----------																				
PD.1907	PL.7526	ABC	480VWE	7.50Y	125.0	0.00	0.02	277.91	0	6016	1701	96	0.00	0.0	0.012	0.002	0	0	0	1220
PL.7527	PD.1907	ABC	336 MCM AC	7.48Y	124.6	0.38	0.40	277.91	54	6016	1701	96	11.77	0.2	0.193	0.181	1	0	1	1220
PL.7184	PL.7527	C	#1/0 ACSR	7.48Y	124.6	0.00	0.40	0.92	0	7	1	99	0.00	0.0	0.194	0.001	0	0	0	1
PD.1538	PL.7184	C	65T	7.48Y	124.6	0.00	0.40	0.92	0	7	1	99	0.00	0.0	0.194	0.001	0	0	0	1
PL.7185	PD.1538	C	#1/0 ACSR	7.48Y	124.6	0.00	0.40	0.92	0	7	1	99	0.00	0.0	0.215	0.022	7	1	1	1
PL.6024	PL.7527	ABC	336 MCM AC	7.47Y	124.5	0.15	0.55	277.56	53	5996	1672	96	4.63	0.1	0.264	0.071	0	0	0	1218
PL.7182	PL.6024	ABC	#4 ACSR	7.47Y	124.5	0.00	0.55	2.83	2	57	28	90	0.00	0.0	0.264	0.000	0	0	0	1
PD.1537	PL.7182	ABC	65T	7.47Y	124.5	0.00	0.55	2.83	0	57	28	90	0.00	0.0	0.264	0.000	0	0	0	1
PL.7183	PD.1537	ABC	#4 ACSR	7.47Y	124.5	0.00	0.55	2.83	2	57	28	90	0.00	0.0	0.266	0.002	57	28	1	1
PL.21315	PL.7183	ABC	#4 ACSR	7.47Y	124.5	0.00	0.55	0.00	0	0	0	100	0.00	0.0	0.269	0.003	0	0	0	0
PL.21316	PL.21315	ABC	#4 ACSR	7.47Y	124.5	0.00	0.55	0.00	0	0	0	100	0.00	0.0	0.408	0.139	0	0	0	0
PL.21317	PL.21316	ABC	#4 ACSR	7.47Y	124.5	0.00	0.55	0.00	0	0	0	100	0.00	0.0	0.456	0.049	0	0	0	0
PL.21318	PL.21315	ABC	#4 ACSR	7.47Y	124.5	0.00	0.55	0.00	0	0	0	100	0.00	0.0	0.296	0.028	0	0	0	0
PL.21319	PL.21318	ABC	#4 ACSR	7.47Y	124.5	0.00	0.55	0.00	0	0	0	100	0.00	0.0	0.357	0.061	0	0	0	0

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Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.6277	PL.6024	ABC	336 MCM AC	7.46Y	124.4	0.10	0.65	274.78	53	5935	1634	96	3.22	0.1	0.315	0.051	0	0	1	1217
PL.6278	PL.6277	ABC	336 MCM AC	7.46Y	124.3	0.09	0.74	274.78	53	5932	1626	96	2.68	0.0	0.357	0.042	0	0	0	1216
PL.6282	PL.6278	ABC	336 MCM AC	7.45Y	124.2	0.08	0.81	274.78	53	5929	1620	96	2.37	0.0	0.394	0.037	2	0	2	1216
PL.6283	PL.6282	ABC	336 MCM AC	7.45Y	124.1	0.06	0.88	274.70	53	5925	1614	96	2.02	0.0	0.426	0.032	0	0	0	1214
PL.6019	PL.6283	ABC	336 MCM AC	7.44Y	124.0	0.09	0.96	252.16	49	5459	1393	97	2.51	0.0	0.473	0.047	4	1	4	1207
PL.6629	PL.6019	A	#2 ACSR	7.44Y	124.0	0.00	0.96	3.25	2	24	5	98	0.00	0.0	0.477	0.005	0	0	0	4
PD.1345	PL.6629	A	65T	7.44Y	124.0	0.00	0.96	3.25	0	24	5	98	0.00	0.0	0.477	0.005	0	0	0	4
PL.6630	PD.1345	A	#2 ACSR	7.44Y	124.0	0.00	0.97	3.25	2	24	5	98	0.00	0.0	0.544	0.066	18	4	2	4
PL.5312	PL.6630	A	#2 ACSR	7.44Y	124.0	0.00	0.97	0.79	0	6	1	99	0.00	0.0	0.573	0.030	5	1	1	2
PL.5313	PL.5312	A	#1/0 ACSR	7.44Y	124.0	0.00	0.97	0.17	0	1	0	100	0.00	0.0	0.634	0.060	1	0	1	1
PL.6020	PL.6019	ABC	336 MCM AC	7.43Y	123.9	0.15	1.11	250.90	48	5429	1381	97	4.31	0.1	0.554	0.081	3	1	2	1199
PL.6621	PL.6020	A	6 A (CWC)	7.43Y	123.9	0.00	1.11	3.10	2	23	5	98	0.00	0.0	0.559	0.005	0	0	0	8
PD.1342	PL.6621	A	65T	7.43Y	123.9	0.00	1.11	3.10	0	23	5	98	0.00	0.0	0.559	0.005	0	0	0	8
PL.6622	PD.1342	A	6 A (CWC)	7.43Y	123.9	0.00	1.11	3.10	2	23	5	98	0.00	0.0	0.596	0.038	13	3	5	8
PL.6281	PL.6622	A	6 A (CWC)	7.43Y	123.9	0.00	1.11	1.26	1	9	2	98	0.00	0.0	0.654	0.057	9	2	3	3
PL.6838	PL.6020	ABC	336 MCM AC	7.43Y	123.9	0.02	1.13	249.71	48	5399	1365	97	0.69	0.0	0.567	0.013	0	0	0	1189
PL.7176	PL.6838	ABC	336 MCM AC	7.43Y	123.9	0.01	1.14	249.71	48	5398	1364	97	0.18	0.0	0.571	0.004	0	0	0	1189
PL.7177	PL.7176	ABC	336 MCM AC	7.43Y	123.8	0.08	1.22	249.71	48	5398	1363	97	2.45	0.0	0.617	0.047	0	0	0	1189
PL.6017	PL.7177	ABC	336 MCM AC	7.41Y	123.5	0.27	1.49	249.39	48	5388	1356	97	7.79	0.1	0.766	0.149	0	0	0	1185
PL.6018	PL.6017	ABC	336 MCM AC	7.41Y	123.5	0.01	1.50	249.39	48	5381	1338	97	0.30	0.0	0.772	0.006	10	2	3	1185
PL.6014	PL.6018	ABC	336 MCM AC	7.41Y	123.5	0.03	1.53	247.88	48	5348	1330	97	0.99	0.0	0.791	0.019	0	0	0	1178
PL.6824	PL.6014	C	6 A (CWC)	7.41Y	123.5	0.00	1.54	30.58	22	222	47	98	0.01	0.0	0.793	0.003	0	0	0	33
PD.1454	PL.6824	C	70L	7.41Y	123.5	0.00	1.54	30.58	44	222	47	98	0.00	0.0	0.793	0.003	0	0	0	33
PL.6825	PD.1454	C	6 A (CWC)	7.40Y	123.4	0.06	1.60	30.58	22	222	47	98	0.10	0.0	0.838	0.045	11	2	5	33
PL.6284	PL.6825	C	6 A (CWC)	7.40Y	123.3	0.12	1.71	29.08	21	211	44	98	0.18	0.1	0.929	0.091	10	2	2	28
PL.6285	PL.6284	C	6 A (CWC)	7.39Y	123.1	0.18	1.89	27.76	20	201	42	98	0.27	0.1	1.074	0.145	0	0	0	26
PL.5325	PL.6285	C	#2 ACSR	7.39Y	123.1	0.00	1.89	1.35	1	10	2	98	0.00	0.0	1.095	0.021	10	2	1	1
PL.5732	PL.6285	C	6 A (CWC)	7.37Y	122.9	0.21	2.10	26.41	19	191	40	98	0.30	0.2	1.257	0.183	12	2	1	25
PL.6287	PL.5732	C	6 A (CWC)	7.37Y	122.8	0.07	2.17	24.79	18	179	37	98	0.08	0.0	1.327	0.069	44	9	2	24
PL.6288	PL.6287	C	6 A (CWC)	7.37Y	122.8	0.07	2.24	18.67	13	135	28	98	0.07	0.1	1.412	0.086	1	0	1	22
PL.6289	PL.6288	C	6 A (CWC)	7.36Y	122.7	0.06	2.30	18.57	13	134	28	98	0.06	0.0	1.487	0.075	6	1	3	21

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Balanced Voltage Drop Report
Source: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.6290	PL.6289	C	6 A (CWC)	7.36Y	122.7	0.02	2.32	17.71	13	128	27	98	0.02	0.0	1.511	0.023	13	3	2	18
PL.5326	PL.6290	C	6 A (CWC)	7.36Y	122.7	0.00	2.32	1.47	1	11	2	98	0.00	0.0	1.594	0.084	11	2	2	2
PL.6631	PL.6290	C	6 A (CWC)	7.36Y	122.7	0.00	2.32	14.48	10	104	22	98	0.00	0.0	1.515	0.005	0	0	0	14
PD.1346	PL.6631	C	30T	7.36Y	122.7	0.00	2.32	14.48	0	104	22	98	0.00	0.0	1.515	0.005	0	0	0	14
PL.6632	PD.1346	C	6 A (CWC)	7.36Y	122.6	0.05	2.37	14.48	10	104	22	98	0.04	0.0	1.590	0.075	5	1	2	14
PL.6291	PL.6632	C	6 A (CWC)	7.36Y	122.6	0.04	2.41	13.82	10	100	21	98	0.03	0.0	1.656	0.066	0	0	0	12
PL.5327	PL.6291	C	#2 ACSR	7.35Y	122.6	0.02	2.43	13.82	8	100	21	98	0.01	0.0	1.701	0.045	0	0	0	12
PL.5730	PL.5327	C	#2 ACSR	7.35Y	122.5	0.03	2.46	6.38	4	46	10	98	0.01	0.0	1.866	0.165	0	0	0	9
PL.5731	PL.5730	C	#2 ACSR	7.35Y	122.5	0.01	2.47	5.03	3	36	8	98	0.00	0.0	1.933	0.067	0	0	0	7
PL.6294	PL.5731	C	#2 ACSR	7.35Y	122.5	0.00	2.48	4.03	2	29	6	98	0.00	0.0	1.972	0.039	10	2	1	5
PL.6295	PL.6294	C	#2 ACSR	7.35Y	122.5	0.00	2.48	2.58	1	19	4	98	0.00	0.0	1.989	0.017	0	0	0	4
PL.6292	PL.6295	C	#1/0 ACSR	7.35Y	122.5	0.00	2.48	1.62	1	12	2	99	0.00	0.0	2.061	0.072	12	2	2	3
PL.6293	PL.6292	C	#1/0 ACSR	7.35Y	122.5	0.00	2.48	0.00	0	0	0	100	0.00	0.0	2.117	0.056	0	0	1	1
PL.5333	PL.6295	C	6 A (CWC)	7.35Y	122.5	0.00	2.48	0.96	1	7	1	99	0.00	0.0	2.081	0.093	7	1	1	1
PL.5331	PL.5731	C	#2 ACSR	7.35Y	122.5	0.00	2.47	1.01	1	7	2	96	0.00	0.0	1.979	0.046	1	0	1	2
PL.5332	PL.5331	C	#2 ACSR	7.35Y	122.5	0.00	2.48	0.93	1	7	1	99	0.00	0.0	2.015	0.036	7	1	1	1
PL.5330	PL.5730	C	#4 ACSR	7.35Y	122.5	0.00	2.46	1.35	1	10	2	98	0.00	0.0	1.899	0.033	10	2	2	2
PL.5328	PL.5327	C	#1/0 ACSR	7.35Y	122.6	0.00	2.43	1.45	1	10	2	98	0.00	0.0	1.742	0.041	10	2	1	1
PL.5329	PL.5327	C	#2 ACSR	7.35Y	122.6	0.01	2.44	5.98	3	43	9	98	0.00	0.0	1.779	0.078	14	3	1	2
PL.6717	PL.5329	C	1/0 AL URD	7.35Y	122.6	0.00	2.44	4.06	2	29	6	98	0.00	0.0	1.783	0.005	0	0	0	1
PD.1395	PL.6717	C	30T	7.35Y	122.6	0.00	2.44	4.06	0	29	6	98	0.00	0.0	1.783	0.005	0	0	0	1
PL.6718	PD.1395	C	1/0 AL URD	7.35Y	122.6	0.01	2.45	4.06	2	29	6	98	0.00	0.0	1.867	0.084	29	6	1	1
PL.5729	PL.6014	ABC	336 MCM AC	7.40Y	123.3	0.20	1.73	237.70	46	5125	1281	97	5.58	0.1	0.908	0.117	13	3	3	1145
PL.5336	PL.5729	ABC	336 MCM AC	7.39Y	123.2	0.11	1.84	237.11	46	5106	1266	97	3.02	0.1	0.972	0.064	7	1	6	1142
PL.6719	PL.5336	B	#2 ACSR	7.39Y	123.2	0.00	1.84	0.60	0	4	1	97	0.00	0.0	0.977	0.005	0	0	0	1
PD.1396	PL.6719	B	65T	7.39Y	123.2	0.00	1.84	0.60	0	4	1	97	0.00	0.0	0.977	0.005	0	0	0	1
PL.6720	PD.1396	B	#2 ACSR	7.39Y	123.2	0.00	1.84	0.60	0	4	1	97	0.00	0.0	1.007	0.030	4	1	1	1
PL.6006	PL.5336	ABC	336 MCM AC	7.38Y	123.1	0.11	1.95	233.12	45	5017	1240	97	2.94	0.1	1.036	0.064	4	1	2	1115
PL.5337	PL.6006	ABC	#4/0 ACSR	7.38Y	122.9	0.10	2.05	231.26	68	4973	1225	97	3.10	0.1	1.080	0.043	3	1	1	1107
PL.5338	PL.5337	ABC	#4/0 ACSR	7.37Y	122.8	0.19	2.24	231.11	68	4967	1219	97	5.75	0.1	1.161	0.081	23	5	4	1106
PL.6721	PL.5338	A	#4 ACSR	7.37Y	122.8	0.00	2.24	3.27	3	24	5	98	0.00	0.0	1.165	0.005	0	0	0	3

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Balanced Voltage Drop Report
Source: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.1397	PL.6721	A	65T	7.37Y	122.8	0.00	2.24	3.27	0	24	5	98	0.00	0.0	1.165	0.005	0	0	0	3
PL.6722	PD.1397	A	#4 ACSR	7.36Y	122.7	0.01	2.26	3.27	3	24	5	98	0.00	0.0	1.239	0.073	0	0	0	3
PL.5345	PL.6722	A	#2 ACSR	7.36Y	122.7	0.00	2.26	2.56	1	18	4	98	0.00	0.0	1.254	0.015	18	4	2	2
PL.5346	PL.6722	A	#2 ACSR	7.36Y	122.7	0.00	2.26	0.71	0	5	1	98	0.00	0.0	1.274	0.036	5	1	1	1
PL.5347	PL.6722	A	#4 ACSR	7.36Y	122.7	0.00	2.26	0.00	0	0	0	100	0.00	0.0	1.277	0.038	0	0	0	0
PL.6266	PL.5338	ABC	#4/0 ACSR	7.36Y	122.6	0.16	2.40	226.35	67	4858	1187	97	4.56	0.1	1.228	0.067	26	6	6	1089
PL.6267	PL.6266	ABC	#4/0 ACSR	7.35Y	122.5	0.13	2.53	225.12	66	4827	1174	97	3.70	0.1	1.282	0.055	15	3	3	1083
PL.6617	PL.6267	C	#4 ACSR	7.35Y	122.5	0.00	2.53	1.27	1	9	2	98	0.00	0.0	1.287	0.005	0	0	0	3
PD.1340	PL.6617	C	65T	7.35Y	122.5	0.00	2.53	1.27	0	9	2	98	0.00	0.0	1.287	0.005	0	0	0	3
PL.6618	PD.1340	C	#4 ACSR	7.35Y	122.5	0.00	2.53	1.27	1	9	2	98	0.00	0.0	1.359	0.072	9	2	3	3
PL.6275	PL.6267	ABC	#4/0 ACSR	7.34Y	122.4	0.07	2.59	224.03	66	4800	1162	97	1.91	0.0	1.311	0.029	15	3	4	1077
PL.6276	PL.6275	ABC	#4/0 ACSR	7.33Y	122.2	0.19	2.78	223.34	66	4783	1156	97	5.57	0.1	1.395	0.084	0	0	0	1073
PL.6615	PL.6276	C	6 A (CWC)	7.33Y	122.2	0.00	2.78	10.25	7	74	15	98	0.00	0.0	1.399	0.005	0	0	0	16
PD.1339	PL.6615	C	65T	7.33Y	122.2	0.00	2.78	10.25	0	74	15	98	0.00	0.0	1.399	0.005	0	0	0	16
PL.6616	PD.1339	C	6 A (CWC)	7.33Y	122.2	0.02	2.80	10.25	7	74	15	98	0.01	0.0	1.443	0.044	19	4	5	16
PL.6268	PL.6616	C	6 A (CWC)	7.33Y	122.2	0.01	2.81	7.57	5	54	11	98	0.00	0.0	1.471	0.028	6	1	2	11
PL.5349	PL.6268	C	#4 ACSR	7.33Y	122.2	0.00	2.81	1.21	1	9	2	98	0.00	0.0	1.510	0.039	9	2	2	2
PL.5350	PL.6268	C	6 A (CWC)	7.33Y	122.2	0.01	2.82	5.58	4	40	8	98	0.00	0.0	1.523	0.052	18	4	4	7
PL.6269	PL.5350	C	#2 ACSR	7.33Y	122.2	0.00	2.82	3.13	2	22	5	98	0.00	0.0	1.557	0.034	10	2	1	3
PL.6270	PL.6269	C	#2 ACSR	7.33Y	122.2	0.00	2.82	1.74	1	13	3	97	0.00	0.0	1.585	0.028	7	1	1	2
PL.6271	PL.6270	C	#2 ACSR	7.33Y	122.2	0.00	2.83	0.76	0	5	1	98	0.00	0.0	1.618	0.034	5	1	1	1
PL.6274	PL.6276	A	#4 ACSR	7.33Y	122.2	0.00	2.78	4.11	3	29	6	98	0.00	0.0	1.400	0.005	14	3	1	6
PL.6613	PL.6274	A	#4 ACSR	7.33Y	122.2	0.00	2.78	2.23	2	16	3	98	0.00	0.0	1.405	0.005	0	0	0	5
PD.1338	PL.6613	A	65T	7.33Y	122.2	0.00	2.78	2.23	0	16	3	98	0.00	0.0	1.405	0.005	0	0	0	5
PL.6614	PD.1338	A	#4 ACSR	7.33Y	122.2	0.01	2.79	2.23	2	16	3	98	0.00	0.0	1.462	0.057	2	0	2	5
PL.5348	PL.6614	A	#4 ACSR	7.33Y	122.2	0.00	2.79	1.97	2	14	3	98	0.00	0.0	1.497	0.036	14	3	3	3
PL.5734	PL.6276	ABC	#4/0 ACSR	7.33Y	122.2	0.05	2.83	218.56	64	4675	1125	97	1.29	0.0	1.415	0.020	0	0	1	1051
PL.6272	PL.5734	ABC	#4/0 ACSR	7.32Y	122.1	0.09	2.92	218.54	64	4673	1122	97	2.63	0.1	1.456	0.041	8	2	1	1050
PL.6273	PL.6272	ABC	#4/0 ACSR	7.32Y	122.1	0.02	2.94	218.19	64	4663	1116	97	0.55	0.0	1.465	0.009	3	1	1	1049
PL.5351	PL.6273	ABC	#4/0 ACSR	7.31Y	121.8	0.22	3.16	218.03	64	4659	1114	97	6.29	0.1	1.564	0.099	2	0	1	1048
PL.7189	PL.5351	C	#1/0 ACSR	7.31Y	121.8	0.00	3.16	1.36	1	10	2	98	0.00	0.0	1.567	0.003	0	0	0	2

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Balanced Voltage Drop Report
Source: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.1540	PL.7189	C	65T	7.31Y	121.8	0.00	3.16	1.36	0	10	2	98	0.00	0.0	1.567	0.003	0	0	0	2
PL.7190	PD.1540	C	#1/0 ACSR	7.31Y	121.8	0.00	3.16	1.36	1	10	2	98	0.00	0.0	1.569	0.001	0	0	0	2
PL.5735	PL.7190	C	#1/0 ACSR	7.31Y	121.8	0.00	3.16	0.31	0	2	0	100	0.00	0.0	1.600	0.031	2	0	1	1
PL.6001	PL.7190	C	1/0 AL URD	7.31Y	121.8	0.00	3.16	1.05	1	8	1	99	0.00	0.0	1.576	0.008	0	0	0	1
PL.5353	PL.6001	C	1/0 AL URD	7.31Y	121.8	0.00	3.16	1.05	1	8	1	99	0.00	0.0	1.614	0.038	8	2	1	1
PL.5354	PL.5351	ABC	336 MCM AC	7.30Y	121.7	0.19	3.35	217.50	42	4641	1101	97	4.86	0.1	1.686	0.122	3	1	1	1045
PL.6609	PL.5354	C	#2 ACSR	7.30Y	121.6	0.00	3.35	24.64	14	176	37	98	0.00	0.0	1.691	0.005	0	0	0	23
PD.1335	PL.6609	C	65T	7.30Y	121.6	0.00	3.35	24.64	0	176	37	98	0.00	0.0	1.691	0.005	0	0	0	23
PL.6610	PD.1335	C	#2 ACSR	7.30Y	121.6	0.01	3.36	24.64	14	176	37	98	0.01	0.0	1.702	0.012	4	1	1	23
PL.6265	PL.6610	C	#2 ACSR	7.30Y	121.6	0.04	3.40	24.13	14	172	36	98	0.05	0.0	1.755	0.052	3	1	1	22
PL.5358	PL.6265	C	#2 ACSR	7.30Y	121.6	0.01	3.41	23.68	14	169	35	98	0.01	0.0	1.766	0.012	11	2	1	21
PL.5999	PL.5358	C	#1/0 ACSR	7.29Y	121.6	0.01	3.42	22.12	10	158	33	98	0.01	0.0	1.790	0.024	10	2	1	20
PL.6787	PL.5999	C	1/0 AL URD	7.29Y	121.6	0.00	3.42	1.72	1	12	3	97	0.00	0.0	1.795	0.005	0	0	0	1
PD.1431	PL.6787	C	40T	7.29Y	121.6	0.00	3.42	1.72	0	12	3	97	0.00	0.0	1.795	0.005	0	0	0	1
PL.6788	PD.1431	C	1/0 AL URD	7.29Y	121.6	0.00	3.42	1.72	1	12	3	97	0.00	0.0	1.808	0.013	12	3	1	1
PL.6000	PL.5999	C	#2 ACSR	7.29Y	121.5	0.04	3.46	18.97	11	135	28	98	0.04	0.0	1.868	0.078	17	4	3	18
PL.6250	PL.6000	C	#1/0 ACSR	7.29Y	121.5	0.01	3.47	8.85	4	63	13	98	0.00	0.0	1.911	0.044	7	2	1	8
PL.6251	PL.6250	C	#1/0 ACSR	7.29Y	121.5	0.01	3.47	7.84	3	56	12	98	0.00	0.0	1.959	0.047	17	3	2	7
PL.5993	PL.6251	C	#1/0 ACSR	7.29Y	121.5	0.01	3.48	4.29	2	31	6	98	0.00	0.0	2.013	0.054	0	0	0	4
PL.5736	PL.5993	C	#1/0 ACSR	7.29Y	121.5	0.00	3.48	2.28	1	16	3	98	0.00	0.0	2.059	0.046	0	0	0	3
PL.5737	PL.5736	C	#1/0 ACSR	7.29Y	121.5	0.00	3.48	1.54	1	11	2	98	0.00	0.0	2.077	0.019	10	2	1	2
PL.10157	PL.5737	C	#1/0 ACSR	7.29Y	121.5	0.00	3.48	0.07	0	1	0	100	0.00	0.0	2.163	0.086	1	0	1	1
PL.5356	PL.5736	C	#1/0 ACSR	7.29Y	121.5	0.00	3.48	0.75	0	5	1	98	0.00	0.0	2.137	0.079	5	1	1	1
PL.5357	PL.5993	C	#1/0 ACSR	7.29Y	121.5	0.00	3.48	2.01	1	14	3	98	0.00	0.0	2.067	0.054	14	3	1	1
PL.5355	PL.6251	C	#1/0 ACSR	7.29Y	121.5	0.00	3.48	1.23	1	9	2	98	0.00	0.0	2.000	0.041	9	2	1	1
PL.6258	PL.6000	C	#1/0 ACSR	7.29Y	121.5	0.01	3.47	7.72	3	55	12	98	0.00	0.0	1.930	0.063	23	5	3	7
PL.6259	PL.6258	C	#1/0 ACSR	7.29Y	121.5	0.00	3.47	4.47	2	32	7	98	0.00	0.0	1.986	0.056	16	3	2	4
PL.10196	PL.6259	C	#1/0 ACSR	7.29Y	121.5	0.01	3.48	2.17	1	15	3	98	0.00	0.0	2.104	0.118	0	0	0	2
PL.10195	PL.10196	C	#1/0 ACSR	7.29Y	121.5	0.00	3.48	0.73	0	5	1	98	0.00	0.0	2.145	0.041	0	0	0	1
PL.10198	PL.10195	C	#1/0 ACSR	7.29Y	121.5	0.00	3.48	0.73	0	5	1	98	0.00	0.0	2.185	0.040	5	1	1	1
PL.10197	PL.10196	C	#1/0 ACSR	7.29Y	121.5	0.00	3.48	1.43	1	10	2	98	0.00	0.0	2.143	0.040	10	2	1	1

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

Balanced Voltage Drop Report
Source: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.33047	PL.10197	C	#1/0 ACSR	7.29Y	121.5	0.00	3.48	0.00	0	0	0	100	0.00	0.0	2.177	0.034	0	0	0	0
PL.33048	PL.33047	C	#1/0 ACSR	7.29Y	121.5	0.00	3.48	0.00	0	0	0	100	0.00	0.0	2.210	0.033	0	0	0	0
PL.33049	PL.33048	C	#1/0 ACSR	7.29Y	121.5	0.00	3.48	0.00	0	0	0	100	0.00	0.0	2.246	0.036	0	0	0	0
PL.33051	PL.33049	C	#1/0 ACSR	7.29Y	121.5	0.00	3.48	0.00	0	0	0	100	0.00	0.0	2.276	0.030	0	0	0	0
PL.33052	PL.33051	C	#1/0 ACSR	7.29Y	121.5	0.00	3.48	0.00	0	0	0	100	0.00	0.0	2.276	0.000	0	0	0	0
PL.6607	PL.5354	ABC	336 MCM AC	7.30Y	121.6	0.01	3.35	207.02	40	4412	1043	97	0.16	0.0	1.691	0.004	0	0	0	1010
PL.6608	PL.6607	ABC	336 MCM AC	7.29Y	121.6	0.07	3.42	207.02	40	4411	1042	97	1.66	0.0	1.737	0.046	0	0	0	1010
PL.6256	PL.6608	ABC	#4/0 ACSR	7.29Y	121.5	0.12	3.54	206.85	61	4406	1038	97	3.15	0.1	1.792	0.055	2	0	1	1009
PL.6257	PL.6256	ABC	#4/0 ACSR	7.27Y	121.2	0.27	3.80	206.74	61	4401	1032	97	7.21	0.2	1.919	0.127	14	3	3	1008
PL.7191	PL.6257	C	6 A (CWC)	7.27Y	121.2	0.00	3.80	7.96	6	57	12	98	0.00	0.0	1.922	0.003	0	0	0	17
PD.1541	PL.7191	C	65T	7.27Y	121.2	0.00	3.80	7.96	0	57	12	98	0.00	0.0	1.922	0.003	0	0	0	17
PL.7192	PD.1541	C	6 A (CWC)	7.27Y	121.2	0.00	3.81	7.96	6	57	12	98	0.00	0.0	1.923	0.002	0	0	0	17
PL.5738	PL.7192	C	6 A (CWC)	7.27Y	121.2	0.00	3.81	0.33	0	2	0	100	0.00	0.0	1.969	0.045	2	0	1	1
PL.6009	PL.7192	C	6 A (CWC)	7.27Y	121.2	0.00	3.81	7.63	5	54	11	98	0.00	0.0	1.931	0.007	0	0	0	16
PL.5360	PL.6009	C	6 A (CWC)	7.27Y	121.2	0.02	3.83	7.63	5	54	11	98	0.01	0.0	2.000	0.069	13	3	3	16
PL.5362	PL.5360	C	6 A (CWC)	7.27Y	121.2	0.02	3.85	5.75	4	41	9	98	0.00	0.0	2.084	0.084	14	3	3	13
PL.6254	PL.5362	C	#2 ACSR	7.27Y	121.1	0.00	3.85	2.10	1	15	3	98	0.00	0.0	2.150	0.066	2	0	2	6
PL.6255	PL.6254	C	#2 ACSR	7.27Y	121.1	0.00	3.85	1.85	1	13	3	97	0.00	0.0	2.194	0.044	4	1	2	4
PL.6253	PL.6255	C	#2 ACSR	7.27Y	121.1	0.00	3.85	1.26	1	9	2	98	0.00	0.0	2.248	0.054	9	2	2	2
PL.5363	PL.5362	C	#4 ACSR	7.27Y	121.2	0.00	3.85	0.74	1	5	1	98	0.00	0.0	2.143	0.059	5	1	3	3
PL.5364	PL.5362	C	6 A (CWC)	7.27Y	121.2	0.00	3.85	0.92	1	7	1	99	0.00	0.0	2.127	0.043	7	1	1	1
PL.6725	PL.6257	A	#2 ACSR	7.27Y	121.2	0.00	3.80	1.08	1	8	2	97	0.00	0.0	1.923	0.005	0	0	0	2
PD.1399	PL.6725	A	65T	7.27Y	121.2	0.00	3.80	1.08	0	8	2	97	0.00	0.0	1.923	0.005	0	0	0	2
PL.6726	PD.1399	A	#2 ACSR	7.27Y	121.2	0.00	3.80	1.08	1	8	2	97	0.00	0.0	1.970	0.047	8	2	2	2
PL.5361	PL.6257	ABC	#4/0 ACSR	7.26Y	121.0	0.22	4.02	203.06	60	4315	1003	97	5.88	0.1	2.026	0.107	10	2	1	986
PL.6011	PL.5361	ABC	#4/0 ACSR	7.25Y	120.8	0.19	4.22	202.59	60	4299	990	97	5.14	0.1	2.119	0.094	4	1	1	985
PL.6248	PL.6011	ABC	#4/0 ACSR	7.24Y	120.7	0.11	4.32	201.90	59	4279	978	97	2.86	0.1	2.172	0.053	14	3	6	982
PL.6249	PL.6248	ABC	#4/0 ACSR	7.23Y	120.6	0.11	4.43	201.22	59	4262	970	98	2.95	0.1	2.227	0.055	0	0	0	976
PL.5370	PL.6249	ABC	#4/0 ACSR	7.23Y	120.5	0.08	4.51	86.97	26	1844	401	98	0.91	0.0	2.317	0.091	1	0	1	388
PL.6401	PL.5370	ABC	#4/0 ACSR	7.23Y	120.4	0.05	4.56	86.92	26	1842	399	98	0.53	0.0	2.370	0.052	0	0	0	387
PL.6727	PL.6401	A	#1/0 ACSR	7.23Y	120.4	0.00	4.56	12.80	6	90	19	98	0.00	0.0	2.374	0.005	0	0	0	17

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Balanced Voltage Drop Report
Source: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PD.1400	PL.6727	A	65T	7.23Y	120.4	0.00	4.56	12.80	0	90	19	98	0.00	0.0	2.374	0.005	0	0	0	17	
PL.6728	PD.1400	A	#1/0 ACSR	7.22Y	120.4	0.07	4.63	12.80	6	90	19	98	0.04	0.0	2.621	0.247	0	0	0	17	
PL.5373	PL.6728	A	#1/0 ACSR	7.22Y	120.4	0.00	4.63	1.02	0	7	2	96	0.00	0.0	2.703	0.081	7	2	1	1	
PL.5374	PL.6728	A	#1/0 ACSR	7.22Y	120.4	0.01	4.64	11.78	5	83	18	98	0.00	0.0	2.654	0.033	0	0	0	16	
PL.5375	PL.5374	A	#1/0 ACSR	7.22Y	120.4	0.00	4.64	0.75	0	5	1	98	0.00	0.0	2.707	0.052	0	0	0	3	
PL.5377	PL.5375	A	#1/0 ACSR	7.22Y	120.4	0.00	4.64	0.17	0	1	0	100	0.00	0.0	2.850	0.143	1	0	1	1	
PL.5378	PL.5375	A	#4 ACSR	7.22Y	120.4	0.00	4.64	0.58	0	4	1	97	0.00	0.0	2.723	0.016	4	1	2	2	
PL.5739	PL.5374	A	#1/0 ACSR	7.22Y	120.4	0.01	4.65	11.03	5	78	16	98	0.00	0.0	2.691	0.036	4	1	1	13	
PL.5376	PL.5739	A	#1/0 ACSR	7.22Y	120.4	0.00	4.65	0.92	0	7	1	99	0.00	0.0	2.738	0.047	7	1	1	1	
PL.6398	PL.5739	A	#1/0 ACSR	7.22Y	120.3	0.01	4.66	9.51	4	67	14	98	0.01	0.0	2.747	0.056	2	1	1	11	
PL.6399	PL.6398	A	#1/0 ACSR	7.22Y	120.3	0.02	4.68	9.16	4	65	14	98	0.01	0.0	2.836	0.090	8	2	1	10	
PL.6397	PL.6399	A	#1/0 ACSR	7.22Y	120.3	0.01	4.68	8.01	3	57	12	98	0.00	0.0	2.872	0.036	7	1	1	9	
PL.6395	PL.6397	A	#1/0 ACSR	7.22Y	120.3	0.01	4.69	7.08	3	50	11	98	0.00	0.0	2.917	0.045	11	2	2	8	
PL.6396	PL.6395	A	#1/0 ACSR	7.22Y	120.3	0.01	4.69	5.51	2	39	8	98	0.00	0.0	2.972	0.055	7	2	1	6	
PL.6394	PL.6396	A	#1/0 ACSR	7.22Y	120.3	0.00	4.70	4.44	2	31	7	98	0.00	0.0	3.014	0.042	7	1	1	5	
PL.6393	PL.6394	A	#1/0 ACSR	7.22Y	120.3	0.00	4.70	3.48	2	25	5	98	0.00	0.0	3.058	0.044	18	4	3	4	
PL.6392	PL.6393	A	#1/0 ACSR	7.22Y	120.3	0.00	4.70	0.98	0	7	1	99	0.00	0.0	3.113	0.055	7	1	1	1	
PL.6828	PL.6401	ABC	#4/0 ACSR	7.22Y	120.4	0.04	4.60	82.36	24	1745	378	98	0.44	0.0	2.418	0.049	0	0	0	368	
PL.7193	PL.6828	ABC	#4/0 ACSR	7.22Y	120.4	0.00	4.60	82.36	24	1745	377	98	0.03	0.0	2.422	0.003	0	0	0	368	
C PD.1542	PL.7193	ABC	70L	7.22Y	120.4	0.00	4.60	82.36	118	1745	377	98	0.00	0.0	2.422	0.003	0	0	0	368	C
PL.7194	PD.1542	ABC	#4/0 ACSR	7.22Y	120.3	0.08	4.68	82.36	24	1745	377	98	0.88	0.1	2.519	0.097	0	0	0	368	
PL.5994	PL.7194	ABC	#1/0 ACSR	7.22Y	120.3	0.02	4.70	16.90	7	358	75	98	0.06	0.0	2.596	0.077	0	0	1	77	
PL.6729	PL.5994	C	#4 ACSR	7.22Y	120.3	0.00	4.71	16.44	13	116	24	98	0.00	0.0	2.600	0.004	0	0	0	21	
PD.1401	PL.6729	C	30T	7.22Y	120.3	0.00	4.71	16.44	0	116	24	98	0.00	0.0	2.600	0.004	0	0	0	21	
PL.6730	PD.1401	C	#4 ACSR	7.21Y	120.2	0.05	4.76	16.44	13	116	24	98	0.04	0.0	2.671	0.071	11	2	1	21	
PL.6389	PL.6730	C	#4 ACSR	7.21Y	120.2	0.03	4.78	14.90	11	105	22	98	0.02	0.0	2.717	0.046	6	1	2	20	
PL.5379	PL.6389	C	#4 ACSR	7.21Y	120.2	0.02	4.81	13.01	10	92	19	98	0.02	0.0	2.763	0.046	16	3	5	17	
PL.6384	PL.5379	C	#4 ACSR	7.21Y	120.2	0.02	4.83	10.68	8	75	16	98	0.01	0.0	2.804	0.041	9	2	1	12	
PL.6385	PL.6384	C	#4 ACSR	7.21Y	120.2	0.01	4.83	9.41	7	66	14	98	0.00	0.0	2.819	0.015	9	2	1	11	
PL.6386	PL.6385	C	#4 ACSR	7.21Y	120.2	0.00	4.84	4.23	3	30	6	98	0.00	0.0	2.859	0.040	21	4	3	4	
PL.6387	PL.6386	C	#4 ACSR	7.21Y	120.2	0.00	4.84	1.28	1	9	2	98	0.00	0.0	2.880	0.021	9	2	1	1	

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.6388	PL.6387	C	#4 ACSR	7.21Y	120.2	0.00	4.84	0.00	0	0	0	100	0.00	0.0	2.900	0.020	0	0	0	0
PL.6382	PL.6385	C	#4 ACSR	7.21Y	120.2	0.01	4.84	3.87	3	27	6	98	0.00	0.0	2.865	0.046	10	2	2	6
PL.6383	PL.6382	C	#4 ACSR	7.21Y	120.2	0.00	4.84	2.43	2	17	4	97	0.00	0.0	2.892	0.027	14	3	3	4
PL.6381	PL.6383	C	#4 ACSR	7.21Y	120.2	0.00	4.84	0.44	0	3	1	95	0.00	0.0	2.912	0.020	3	1	1	1
PL.5987	PL.6389	C	#4 ACSR	7.21Y	120.2	0.00	4.79	1.09	1	8	2	97	0.00	0.0	2.779	0.061	8	2	1	1
PL.5995	PL.5994	ABC	#1/0 ACSR	7.22Y	120.3	0.02	4.72	11.42	5	242	51	98	0.03	0.0	2.678	0.082	0	0	0	55
PL.7195	PL.5995	ABC	#1/0 ACSR	7.22Y	120.3	0.00	4.72	11.42	5	242	51	98	0.00	0.0	2.682	0.003	0	0	0	55
PD.1543	PL.7195	ABC	35H	7.22Y	120.3	0.00	4.72	11.42	33	242	51	98	0.00	0.0	2.682	0.003	0	0	0	55
PL.7196	PD.1543	ABC	#1/0 ACSR	7.22Y	120.3	0.01	4.73	11.42	5	242	51	98	0.01	0.0	2.724	0.043	2	0	2	55
PL.5382	PL.7196	A	#2 ACSR	7.22Y	120.3	0.00	4.73	4.75	3	34	7	98	0.00	0.0	2.729	0.005	0	0	0	8
PD.1402	PL.5382	A	10T	7.22Y	120.3	0.00	4.73	4.75	0	34	7	98	0.00	0.0	2.729	0.005	0	0	0	8
PL.5991	PD.1402	A	6 A (CWC)	7.22Y	120.3	0.00	4.73	3.15	2	22	5	98	0.00	0.0	2.741	0.012	0	0	0	6
PL.5380	PL.5991	A	6 A (CWC)	7.22Y	120.3	0.00	4.74	3.15	2	22	5	98	0.00	0.0	2.765	0.024	0	0	0	6
PL.5381	PL.5380	A	#4 ACSR	7.22Y	120.3	0.00	4.74	2.17	2	15	3	98	0.00	0.0	2.815	0.050	5	1	2	5
PL.6691	PL.5381	A	#4 ACSR	7.22Y	120.3	0.00	4.74	1.51	1	11	2	98	0.00	0.0	2.819	0.005	0	0	0	3
PD.1379	PL.6691	A	10T	7.22Y	120.3	0.00	4.74	1.51	0	11	2	98	0.00	0.0	2.819	0.005	0	0	0	3
PL.6692	PD.1379	A	#4 ACSR	7.22Y	120.3	0.00	4.74	1.51	1	11	2	98	0.00	0.0	2.865	0.046	5	1	1	3
PL.6374	PL.6692	A	#4 ACSR	7.22Y	120.3	0.00	4.74	0.74	1	5	1	98	0.00	0.0	2.928	0.063	1	0	1	2
PL.5402	PL.6374	A	#4 ACSR	7.22Y	120.3	0.00	4.75	0.53	0	4	1	97	0.00	0.0	3.034	0.106	0	0	0	1
PL.5403	PL.5402	A	#4 ACSR	7.22Y	120.3	0.00	4.75	0.53	0	4	1	97	0.00	0.0	3.047	0.014	4	1	1	1
PL.5740	PL.5380	A	6 A (CWC)	7.22Y	120.3	0.00	4.74	0.98	1	7	1	99	0.00	0.0	2.798	0.033	7	1	1	1
PL.6390	PD.1402	A	#2 ACSR	7.22Y	120.3	0.00	4.73	1.60	1	11	2	98	0.00	0.0	2.789	0.059	3	1	1	2
PL.6391	PL.6390	A	#2 ACSR	7.22Y	120.3	0.00	4.73	1.22	1	9	2	98	0.00	0.0	2.809	0.020	9	2	1	1
PL.5985	PL.7196	ABC	#1/0 ACSR	7.22Y	120.3	0.01	4.74	9.75	4	207	44	98	0.02	0.0	2.807	0.083	13	3	3	45
PL.5986	PL.5985	ABC	#1/0 ACSR	7.21Y	120.2	0.02	4.76	9.01	4	191	40	98	0.02	0.0	2.904	0.097	0	0	0	41
PL.6687	PL.5986	C	#2 ACSR	7.21Y	120.2	0.00	4.76	1.31	1	9	2	98	0.00	0.0	2.909	0.005	0	0	0	2
PD.1377	PL.6687	C	10T	7.21Y	120.2	0.00	4.76	1.31	0	9	2	98	0.00	0.0	2.909	0.005	0	0	0	2
PL.6688	PD.1377	C	#2 ACSR	7.21Y	120.2	0.00	4.76	1.31	1	9	2	98	0.00	0.0	2.948	0.039	9	2	2	2
PL.5741	PL.5986	ABC	#1/0 ACSR	7.21Y	120.2	0.02	4.77	7.92	3	168	35	98	0.02	0.0	3.018	0.113	0	0	0	37
PL.5742	PL.5741	ABC	#1/0 ACSR	7.21Y	120.2	0.00	4.78	1.91	1	40	8	98	0.00	0.0	3.071	0.053	0	0	1	14
PL.6372	PL.5742	ABC	#1/0 ACSR	7.21Y	120.2	0.00	4.78	1.66	1	35	7	98	0.00	0.0	3.148	0.077	1	0	2	12

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.6373	PL.6372	ABC	#1/0 ACSR	7.21Y	120.2	0.00	4.78	1.60	1	34	7	98	0.00	0.0	3.209	0.060	0	0	0	10
PL.6683	PL.6373	B	6 A (CWC)	7.21Y	120.2	0.00	4.78	4.81	3	34	7	98	0.00	0.0	3.213	0.005	0	0	0	10
PD.1375	PL.6683	B	10T	7.21Y	120.2	0.00	4.78	4.81	0	34	7	98	0.00	0.0	3.213	0.005	0	0	0	10
PL.6684	PD.1375	B	6 A (CWC)	7.21Y	120.1	0.07	4.85	4.81	3	34	7	98	0.02	0.1	3.554	0.341	0	0	0	10
PL.6370	PL.6684	B	#4 ACSR	7.21Y	120.1	0.01	4.87	2.88	2	20	4	98	0.00	0.0	3.669	0.115	1	0	1	6
PL.6371	PL.6370	B	#4 ACSR	7.21Y	120.1	0.01	4.88	2.71	2	19	4	98	0.00	0.0	3.754	0.085	0	0	0	5
PL.6369	PL.6371	B	#4 ACSR	7.21Y	120.1	0.01	4.89	2.71	2	19	4	98	0.00	0.0	3.832	0.078	1	0	1	5
PL.5392	PL.6369	B	#4 ACSR	7.21Y	120.1	0.01	4.89	2.56	2	18	4	98	0.00	0.0	3.892	0.060	0	0	0	4
PL.5396	PL.5392	B	#4 ACSR	7.21Y	120.1	0.01	4.90	1.88	1	13	3	97	0.00	0.0	3.964	0.072	4	1	1	2
PL.5397	PL.5396	B	#4 ACSR	7.21Y	120.1	0.00	4.90	1.31	1	9	2	98	0.00	0.0	4.050	0.086	9	2	1	1
PL.5394	PL.5392	B	#4 ACSR	7.21Y	120.1	0.00	4.89	0.00	0	0	0	100	0.00	0.0	3.908	0.016	0	0	0	0
PL.5395	PL.5392	B	#4 ACSR	7.21Y	120.1	0.00	4.89	0.69	1	5	1	98	0.00	0.0	3.914	0.022	5	1	2	2
PL.5393	PL.6369	B	#4 ACSR	7.21Y	120.1	0.00	4.89	0.00	0	0	0	100	0.00	0.0	3.877	0.045	0	0	0	0
PL.5391	PL.6684	B	6 A (CWC)	7.21Y	120.1	0.01	4.87	1.93	1	14	3	98	0.00	0.0	3.740	0.186	6	1	2	4
PL.5398	PL.5391	B	#1/0 ACSR	7.21Y	120.1	0.00	4.87	1.13	0	8	2	97	0.00	0.0	3.773	0.033	0	0	0	2
PL.6366	PL.5398	B	#1/0 ACSR	7.21Y	120.1	0.00	4.87	1.13	0	8	2	97	0.00	0.0	3.787	0.013	1	0	1	2
PL.6367	PL.6366	B	#1/0 ACSR	7.21Y	120.1	0.00	4.87	0.94	0	7	1	99	0.00	0.0	3.827	0.040	7	1	1	1
PL.6735	PL.6373	A	#4 ACSR	7.21Y	120.2	0.00	4.78	0.00	0	0	0	100	0.00	0.0	3.213	0.004	0	0	0	0
PD.1405	PL.6735	A	10T	7.21Y	120.2	0.00	4.78	0.00	0	0	0	100	0.00	0.0	3.213	0.004	0	0	0	0
PL.6736	PD.1405	A	#4 ACSR	7.21Y	120.2	0.00	4.78	0.00	0	0	0	100	0.00	0.0	3.268	0.055	0	0	0	0
PL.33053	PL.6736	A	#1/0 ACSR	7.21Y	120.2	0.00	4.78	0.00	0	0	0	100	0.00	0.0	3.302	0.034	0	0	0	0
PL.33054	PL.33053	A	#1/0 ACSR	7.21Y	120.2	0.00	4.78	0.00	0	0	0	100	0.00	0.0	3.353	0.052	0	0	0	0
PL.33055	PL.33054	A	#1/0 ACSR	7.21Y	120.2	0.00	4.78	0.00	0	0	0	100	0.00	0.0	3.400	0.047	0	0	0	0
PL.33056	PL.33055	A	#1/0 ACSR	7.21Y	120.2	0.00	4.78	0.00	0	0	0	100	0.00	0.0	3.434	0.034	0	0	0	0
PL.6685	PL.5742	C	#4 ACSR	7.21Y	120.2	0.00	4.78	0.68	1	5	1	98	0.00	0.0	3.076	0.005	0	0	0	1
PD.1376	PL.6685	C	10T	7.21Y	120.2	0.00	4.78	0.68	0	5	1	98	0.00	0.0	3.076	0.005	0	0	0	1
PL.6686	PD.1376	C	#4 ACSR	7.21Y	120.2	0.00	4.78	0.68	1	5	1	98	0.00	0.0	3.117	0.041	5	1	1	1
PL.6733	PL.5741	C	6 A (CWC)	7.21Y	120.2	0.00	4.78	18.05	13	127	27	98	0.00	0.0	3.022	0.005	0	0	0	23
PD.1404	PL.6733	C	25T	7.21Y	120.2	0.00	4.78	18.05	0	127	27	98	0.00	0.0	3.022	0.005	0	0	0	23
PL.6734	PD.1404	C	6 A (CWC)	7.21Y	120.2	0.05	4.82	18.05	13	127	27	98	0.04	0.0	3.083	0.061	10	2	2	23
PL.6380	PL.6734	C	6 A (CWC)	7.21Y	120.2	0.01	4.84	16.63	12	117	25	98	0.01	0.0	3.101	0.018	5	1	1	21

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: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.6379	PL.6380	C	6 A (CWC)	7.21Y	120.1	0.03	4.87	15.89	11	112	24	98	0.03	0.0	3.146	0.045	0	0	0	20
PL.6377	PL.6379	C	#1/0 ACSR	7.21Y	120.1	0.00	4.87	2.33	1	16	3	98	0.00	0.0	3.183	0.037	8	2	1	2
PL.6378	PL.6377	C	#1/0 ACSR	7.21Y	120.1	0.00	4.87	1.17	1	8	2	97	0.00	0.0	3.252	0.069	8	2	1	1
PL.5744	PL.6379	C	6 A (CWC)	7.20Y	120.1	0.06	4.93	13.55	10	96	20	98	0.04	0.0	3.241	0.095	7	2	1	18
PL.6375	PL.5744	C	6 A (CWC)	7.20Y	120.1	0.00	4.93	11.73	8	83	17	98	0.00	0.0	3.249	0.008	4	1	1	16
PL.6376	PL.6375	C	6 A (CWC)	7.20Y	120.0	0.03	4.96	11.22	8	79	17	98	0.02	0.0	3.317	0.068	17	4	2	15
PL.5384	PL.6376	C	6 A (CWC)	7.20Y	120.0	0.01	4.97	4.41	3	31	7	98	0.00	0.0	3.391	0.073	11	2	3	9
PL.5386	PL.5384	C	6 A (CWC)	7.20Y	120.0	0.01	4.98	2.91	2	20	4	98	0.00	0.0	3.463	0.072	11	2	3	6
PL.5388	PL.5386	C	#2 ACSR	7.20Y	120.0	0.00	4.98	0.77	0	5	1	98	0.00	0.0	3.498	0.036	5	1	2	2
PL.5387	PL.5386	C	#2 ACSR	7.20Y	120.0	0.00	4.98	0.64	0	4	1	97	0.00	0.0	3.492	0.029	4	1	1	1
PL.5385	PL.6376	C	#4 ACSR	7.20Y	120.0	0.01	4.97	4.34	3	31	6	98	0.00	0.0	3.377	0.060	7	2	1	4
PL.5983	PL.5385	C	#4 ACSR	7.20Y	120.0	0.01	4.98	3.30	3	23	5	98	0.00	0.0	3.443	0.066	5	1	1	3
PL.5389	PL.5983	C	#1/0 ACSR	7.20Y	120.0	0.00	4.98	1.38	1	10	2	98	0.00	0.0	3.537	0.093	10	2	1	1
PL.5984	PL.5983	C	#4 ACSR	7.20Y	120.0	0.00	4.98	1.15	1	8	2	97	0.00	0.0	3.516	0.072	0	0	0	1
PL.5390	PL.5984	C	#2 ACSR	7.20Y	120.0	0.00	4.98	1.15	1	8	2	97	0.00	0.0	3.565	0.049	8	2	1	1
PL.5743	PL.5744	C	6 A (CWC)	7.20Y	120.1	0.00	4.93	0.78	1	6	1	99	0.00	0.0	3.280	0.039	0	0	0	1
PL.5383	PL.5743	C	#4 ACSR	7.20Y	120.1	0.00	4.93	0.78	1	6	1	99	0.00	0.0	3.315	0.035	6	1	1	1
PL.6731	PL.5986	A	6 A (CWC)	7.21Y	120.2	0.00	4.76	1.95	1	14	3	98	0.00	0.0	2.909	0.005	0	0	0	2
PD.1403	PL.6731	A	10T	7.21Y	120.2	0.00	4.76	1.95	0	14	3	98	0.00	0.0	2.909	0.005	0	0	0	2
PL.6732	PD.1403	A	6 A (CWC)	7.21Y	120.2	0.00	4.76	1.95	1	14	3	98	0.00	0.0	2.978	0.069	14	3	2	2
PL.6689	PL.5985	C	#4 ACSR	7.22Y	120.3	0.00	4.74	0.40	0	3	1	95	0.00	0.0	2.812	0.005	0	0	0	1
PD.1378	PL.6689	C	10T	7.22Y	120.3	0.00	4.74	0.40	0	3	1	95	0.00	0.0	2.812	0.005	0	0	0	1
PL.6690	PD.1378	C	#4 ACSR	7.22Y	120.3	0.00	4.74	0.40	0	3	1	95	0.00	0.0	2.852	0.041	3	1	1	1
PL.6364	PL.7194	ABC	#4/0 ACSR	7.22Y	120.3	0.05	4.73	65.47	19	1386	300	98	0.46	0.0	2.600	0.081	1	0	1	291
PL.6365	PL.6364	ABC	#4/0 ACSR	7.21Y	120.2	0.02	4.75	65.42	19	1384	299	98	0.16	0.0	2.629	0.029	27	6	6	290
PL.5553	PL.6365	ABC	#4/0 ACSR	7.21Y	120.2	0.05	4.80	63.72	19	1348	291	98	0.42	0.0	2.707	0.078	4	1	1	280
PL.6363	PL.5553	ABC	#4/0 ACSR	7.21Y	120.2	0.04	4.84	63.51	19	1343	290	98	0.36	0.0	2.773	0.067	7	1	1	279
PL.5551	PL.6363	ABC	#4/0 ACSR	7.21Y	120.1	0.02	4.86	61.84	18	1308	282	98	0.15	0.0	2.802	0.029	0	0	1	274
PL.5552	PL.5551	ABC	#4/0 ACSR	7.21Y	120.1	0.03	4.89	61.84	18	1307	281	98	0.23	0.0	2.847	0.045	1	0	1	273
PL.5549	PL.5552	ABC	#4/0 ACSR	7.20Y	120.1	0.04	4.93	61.29	18	1296	278	98	0.33	0.0	2.913	0.066	18	4	3	268
PL.5550	PL.5549	ABC	#4/0 ACSR	7.20Y	120.0	0.03	4.96	60.42	18	1277	274	98	0.27	0.0	2.969	0.056	17	4	3	265

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.6005	PL.5550	ABC	#4/0 ACSR	7.20Y	120.0	0.05	5.01	58.79	17	1242	266	98	0.39	0.0	3.054	0.085	0	0	0	257
PL.5544	PL.6005	ABC	#4/0 ACSR	7.20Y	119.9	0.05	5.06	58.79	17	1242	266	98	0.38	0.0	3.136	0.082	6	1	2	257
PL.5545	PL.5544	ABC	#4/0 ACSR	7.19Y	119.9	0.03	5.09	58.49	17	1235	264	98	0.21	0.0	3.183	0.047	0	0	0	255
PL.5746	PL.5545	ABC	#4/0 ACSR	7.19Y	119.9	0.04	5.13	58.35	17	1232	263	98	0.32	0.0	3.253	0.071	0	0	0	254
PL.6673	PL.5746	A	6 A (CWC)	7.19Y	119.9	0.00	5.13	1.45	1	10	2	98	0.00	0.0	3.258	0.005	0	0	0	4
PD.1369	PL.6673	A	30T	7.19Y	119.9	0.00	5.13	1.45	0	10	2	98	0.00	0.0	3.258	0.005	0	0	0	4
PL.6674	PD.1369	A	6 A (CWC)	7.19Y	119.9	0.00	5.13	1.45	1	10	2	98	0.00	0.0	3.324	0.066	10	2	4	4
PL.5998	PL.5746	ABC	#4/0 ACSR	7.19Y	119.8	0.03	5.15	57.87	17	1221	260	98	0.20	0.0	3.298	0.045	11	2	1	250
PL.6513	PL.5998	ABC	#4/0 ACSR	7.19Y	119.8	0.02	5.17	56.87	17	1200	255	98	0.13	0.0	3.330	0.031	9	2	1	248
PL.6514	PL.6513	ABC	#4/0 ACSR	7.19Y	119.8	0.03	5.20	56.45	17	1191	253	98	0.24	0.0	3.386	0.056	0	0	0	247
PL.5748	PL.6514	ABC	#4/0 ACSR	7.19Y	119.8	0.03	5.24	54.63	16	1152	245	98	0.23	0.0	3.444	0.058	0	0	0	239
PL.7254	PL.5748	ABC	#4/0 ACSR	7.18Y	119.7	0.03	5.26	54.29	16	1145	243	98	0.21	0.0	3.498	0.053	0	0	0	238
PL.7253	PL.7254	C	#1/0 ACSR	7.18Y	119.7	0.00	5.26	0.59	0	4	1	97	0.00	0.0	3.545	0.047	4	1	1	1
PL.7255	PL.7254	ABC	#4/0 ACSR	7.18Y	119.7	0.03	5.29	54.10	16	1141	241	98	0.22	0.0	3.554	0.057	6	1	1	237
PL.5542	PL.7255	ABC	#4/0 ACSR	7.18Y	119.7	0.03	5.33	53.83	16	1135	240	98	0.24	0.0	3.617	0.063	1	0	2	236
PL.5543	PL.5542	ABC	#4/0 ACSR	7.18Y	119.7	0.01	5.34	53.78	16	1134	239	98	0.08	0.0	3.639	0.022	12	2	1	234
PL.5541	PL.5543	ABC	#4/0 ACSR	7.18Y	119.7	0.01	5.35	53.23	16	1122	237	98	0.05	0.0	3.653	0.014	0	0	0	233
PL.6669	PL.5541	B	#4 ACSR	7.18Y	119.7	0.00	5.35	8.40	6	59	12	98	0.00	0.0	3.658	0.005	0	0	0	12
PD.1366	PL.6669	B	30T	7.18Y	119.7	0.00	5.35	8.40	0	59	12	98	0.00	0.0	3.658	0.005	0	0	0	12
PL.6670	PD.1366	B	#4 ACSR	7.18Y	119.6	0.02	5.37	8.40	6	59	12	98	0.01	0.0	3.713	0.055	0	0	0	12
PL.5410	PL.6670	B	#4 ACSR	7.18Y	119.6	0.00	5.37	0.44	0	3	1	95	0.00	0.0	3.727	0.015	3	1	1	1
PL.5537	PL.6670	B	#4 ACSR	7.18Y	119.6	0.00	5.37	2.16	2	15	3	98	0.00	0.0	3.769	0.056	4	1	1	3
PL.5538	PL.5537	B	#4 ACSR	7.18Y	119.6	0.00	5.38	1.61	1	11	2	98	0.00	0.0	3.798	0.029	7	1	1	2
PL.5535	PL.5538	B	#4 ACSR	7.18Y	119.6	0.00	5.38	0.65	1	5	1	98	0.00	0.0	3.828	0.030	5	1	1	1
PL.5539	PL.6670	B	#4 ACSR	7.18Y	119.6	0.01	5.38	5.79	4	41	9	98	0.00	0.0	3.744	0.031	9	2	3	8
PL.5540	PL.5539	B	#4 ACSR	7.18Y	119.6	0.01	5.39	4.54	3	32	7	98	0.00	0.0	3.804	0.060	6	1	1	5
PL.5536	PL.5540	B	#4 ACSR	7.18Y	119.6	0.01	5.40	3.68	3	26	5	98	0.00	0.0	3.870	0.066	7	1	1	4
PL.5534	PL.5536	B	#4 ACSR	7.18Y	119.6	0.00	5.40	2.68	2	19	4	98	0.00	0.0	3.900	0.029	6	1	1	3
PL.5533	PL.5534	B	#4 ACSR	7.18Y	119.6	0.00	5.40	1.78	1	13	3	97	0.00	0.0	3.935	0.036	0	0	0	2
PL.5531	PL.5533	B	#4 ACSR	7.18Y	119.6	0.00	5.40	1.78	1	13	3	97	0.00	0.0	3.962	0.027	9	2	1	2
PL.5532	PL.5531	B	#4 ACSR	7.18Y	119.6	0.00	5.40	0.48	0	3	1	95	0.00	0.0	4.039	0.077	3	1	1	1

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

Units Displayed In Volts
-Base Voltage:120.0-

	Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
	PL.5988	PL.5541	ABC	#4/0 ACSR	7.18Y	119.6	0.02	5.37	50.43	15	1063	224	98	0.13	0.0	3.692	0.039	3	1	1	221	
	PL.6667	PL.5988	B	1/0 AL URD	7.18Y	119.6	0.00	5.37	12.60	7	89	18	98	0.00	0.0	3.697	0.005	0	0	0	14	
	PD.1365	PL.6667	B	30T	7.18Y	119.6	0.00	5.37	12.60	0	89	18	98	0.00	0.0	3.697	0.005	0	0	0	14	
	PL.6668	PD.1365	B	1/0 AL URD	7.18Y	119.6	0.01	5.37	12.60	7	89	18	98	0.00	0.0	3.710	0.013	6	1	1	14	
	PL.6532	PL.6668	B	1/0 AL URD	7.18Y	119.6	0.01	5.38	11.70	7	82	16	98	0.00	0.0	3.735	0.025	22	5	4	13	
	PL.6531	PL.6532	B	1/0 AL URD	7.18Y	119.6	0.01	5.39	8.52	5	60	12	98	0.00	0.0	3.764	0.029	0	0	0	9	
	PL.5411	PL.6531	B	1/0 AL URD	7.18Y	119.6	0.01	5.40	8.52	5	60	12	98	0.00	0.0	3.788	0.024	0	0	0	9	
	PL.5425	PL.5411	B	1/0 AL URD	7.18Y	119.6	0.01	5.40	8.53	5	60	12	98	0.00	0.0	3.823	0.034	13	3	2	9	
	PL.6529	PL.5425	B	1/0 AL URD	7.18Y	119.6	0.01	5.41	6.63	4	47	9	98	0.00	0.0	3.864	0.042	3	1	1	7	
	PL.6530	PL.6529	B	1/0 AL URD	7.17Y	119.6	0.01	5.42	6.23	4	44	9	98	0.00	0.0	3.927	0.062	0	0	0	6	
P	PL.7200	PL.6530	B	1/0 AL URD	7.17Y	119.6	0.00	5.42	-0.00	0	0	0	100	0.00	0.0	3.931	0.005	0	0	0	0	P
	PL.6661	PL.6530	B	1/0 AL URD	7.17Y	119.6	0.00	5.43	6.24	4	44	9	98	0.00	0.0	3.931	0.005	0	0	0	6	
	PD.1361	PL.6661	B	20T	7.17Y	119.6	0.00	5.43	6.24	0	44	9	98	0.00	0.0	3.931	0.005	0	0	0	6	
	PL.6662	PD.1361	B	1/0 AL URD	7.17Y	119.6	0.00	5.43	6.24	4	44	9	98	0.00	0.0	3.936	0.005	0	0	0	6	
	PL.5413	PL.6662	B	#1/0 ACSR	7.17Y	119.6	0.00	5.43	6.24	3	44	9	98	0.00	0.0	3.970	0.034	0	0	0	6	
	PL.5423	PL.5413	B	#1/0 ACSR	7.17Y	119.6	0.00	5.44	6.24	3	44	9	98	0.00	0.0	4.008	0.038	9	2	1	6	
	PL.5422	PL.5423	B	#1/0 ACSR	7.17Y	119.6	0.00	5.44	3.96	2	28	6	98	0.00	0.0	4.048	0.040	5	1	1	4	
	PL.5415	PL.5422	B	#1/0 ACSR	7.17Y	119.6	0.00	5.44	3.23	1	23	5	98	0.00	0.0	4.081	0.032	7	1	1	3	
	PL.5416	PL.5415	B	#1/0 ACSR	7.17Y	119.6	0.00	5.44	1.02	0	7	2	96	0.00	0.0	4.110	0.030	7	2	1	1	
	PL.5417	PL.5415	B	#1/0 ACSR	7.17Y	119.6	0.00	5.44	1.26	1	9	2	98	0.00	0.0	4.113	0.032	9	2	1	1	
	PL.5418	PL.5415	B	#1/0 ACSR	7.17Y	119.6	0.00	5.44	0.00	0	0	0	100	0.00	0.0	4.118	0.037	0	0	0	0	
	PL.5414	PL.5423	B	#1/0 ACSR	7.17Y	119.6	0.00	5.44	0.98	0	7	1	99	0.00	0.0	4.040	0.032	7	1	1	1	
	PL.5529	PL.5988	ABC	#4/0 ACSR	7.18Y	119.6	0.02	5.38	46.08	14	971	206	98	0.11	0.0	3.730	0.038	6	1	1	206	
	PL.5530	PL.5529	ABC	#4/0 ACSR	7.18Y	119.6	0.02	5.40	45.78	13	964	204	98	0.10	0.0	3.767	0.037	0	0	0	205	
	PL.5527	PL.5530	ABC	#4/0 ACSR	7.17Y	119.6	0.02	5.42	45.39	13	956	203	98	0.12	0.0	3.813	0.046	8	2	2	202	
	PL.5528	PL.5527	ABC	#4/0 ACSR	7.17Y	119.5	0.05	5.47	45.01	13	948	201	98	0.28	0.0	3.917	0.104	9	2	5	200	
	PL.5524	PL.5528	ABC	#4/0 ACSR	7.17Y	119.5	0.01	5.48	44.56	13	938	198	98	0.06	0.0	3.941	0.024	0	0	0	195	
	PL.6344	PL.5524	ABC	#4/0 ACSR	7.17Y	119.5	0.01	5.48	17.18	5	362	77	98	0.01	0.0	3.976	0.035	15	3	2	68	
	PL.6345	PL.6344	ABC	#4/0 ACSR	7.17Y	119.5	0.01	5.49	16.46	5	346	73	98	0.02	0.0	4.026	0.050	9	2	2	66	
	PL.5420	PL.6345	ABC	#1/0 ACSR	7.17Y	119.5	0.02	5.51	16.04	7	337	71	98	0.05	0.0	4.094	0.068	0	0	0	64	
	PL.5750	PL.5420	ABC	#1/0 ACSR	7.17Y	119.4	0.04	5.55	13.63	6	287	61	98	0.08	0.0	4.264	0.171	0	0	0	58	

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Balanced Voltage Drop Report
Source: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.6657	PL.5750	A	#1/0 ACSR	7.17Y	119.4	0.00	5.55	0.50	0	4	1	97	0.00	0.0	4.269	0.005	0	0	0	1
PD.1359	PL.6657	A	30T	7.17Y	119.4	0.00	5.55	0.50	0	4	1	97	0.00	0.0	4.269	0.005	0	0	0	1
PL.6658	PD.1359	A	#1/0 ACSR	7.17Y	119.4	0.00	5.55	0.50	0	4	1	97	0.00	0.0	4.297	0.028	4	1	1	1
PL.7257	PL.5750	ABC	#1/0 ACSR	7.17Y	119.4	0.02	5.57	13.46	6	283	60	98	0.03	0.0	4.330	0.066	7	2	1	57
PL.7258	PL.7257	ABC	#1/0 ACSR	7.16Y	119.4	0.04	5.61	13.11	6	276	58	98	0.08	0.0	4.505	0.175	8	2	1	56
PL.5751	PL.7258	ABC	#1/0 ACSR	7.16Y	119.4	0.04	5.64	12.12	5	255	54	98	0.07	0.0	4.679	0.174	2	0	1	53
PL.6343	PL.5751	ABC	#1/0 ACSR	7.16Y	119.3	0.03	5.67	12.05	5	253	54	98	0.05	0.0	4.822	0.143	4	1	1	52
PL.6341	PL.6343	ABC	#1/0 ACSR	7.16Y	119.3	0.01	5.68	11.84	5	249	53	98	0.02	0.0	4.879	0.058	0	0	0	51
PL.6655	PL.6341	A	#1/0 ACSR	7.16Y	119.3	0.00	5.68	0.72	0	5	1	98	0.00	0.0	4.884	0.004	0	0	0	1
PD.1358	PL.6655	A	30T	7.16Y	119.3	0.00	5.68	0.72	0	5	1	98	0.00	0.0	4.884	0.004	0	0	0	1
PL.6656	PD.1358	A	#1/0 ACSR	7.16Y	119.3	0.00	5.69	0.72	0	5	1	98	0.00	0.0	4.936	0.052	5	1	1	1
PL.6339	PL.6341	ABC	#1/0 ACSR	7.16Y	119.3	0.01	5.69	11.60	5	244	51	98	0.01	0.0	4.920	0.041	5	1	2	50
PL.6340	PL.6339	ABC	#1/0 ACSR	7.16Y	119.3	0.03	5.72	11.36	5	239	50	98	0.05	0.0	5.061	0.141	0	0	0	48
PL.33045	PL.6340	ABC	#1/0 ACSR	7.16Y	119.3	0.02	5.74	11.36	5	239	50	98	0.03	0.0	5.152	0.091	5	1	3	48
PL.33046	PL.33045	ABC	#1/0 ACSR	7.16Y	119.3	0.01	5.75	11.11	5	233	49	98	0.02	0.0	5.206	0.054	0	0	0	45
PL.6759	PL.33046	B	6 A (CWC)	7.15Y	119.2	0.01	5.75	25.08	18	176	37	98	0.01	0.0	5.211	0.005	0	0	0	33
PD.1417	PL.6759	B	30T	7.15Y	119.2	0.00	5.75	25.08	0	176	37	98	0.00	0.0	5.211	0.005	0	0	0	33
PL.6760	PD.1417	B	6 A (CWC)	7.15Y	119.2	0.05	5.81	25.08	18	176	37	98	0.07	0.0	5.256	0.046	2	0	2	33
PL.6332	PL.6760	B	6 A (CWC)	7.15Y	119.1	0.10	5.90	23.79	17	166	35	98	0.12	0.1	5.353	0.097	13	3	2	29
PL.6333	PL.6332	B	6 A (CWC)	7.14Y	119.0	0.09	5.99	21.92	16	153	32	98	0.11	0.1	5.444	0.091	0	0	0	27
PL.6326	PL.6333	B	6 A (CWC)	7.14Y	119.0	0.03	6.02	14.14	10	99	21	98	0.02	0.0	5.495	0.051	18	4	4	20
PL.6327	PL.6326	B	6 A (CWC)	7.14Y	118.9	0.04	6.06	11.56	8	81	17	98	0.02	0.0	5.564	0.069	0	0	0	16
PL.5466	PL.6327	B	6 A (CWC)	7.14Y	118.9	0.00	6.06	2.01	1	14	3	98	0.00	0.0	5.594	0.030	8	2	2	3
PL.5468	PL.5466	B	#1/0 ACSR	7.14Y	118.9	0.00	6.06	0.81	0	6	1	99	0.00	0.0	5.669	0.075	6	1	1	1
PL.5467	PL.6327	B	6 A (CWC)	7.14Y	118.9	0.00	6.06	0.68	0	5	1	98	0.00	0.0	5.632	0.067	5	1	1	1
PL.6007	PL.6327	B	6 A (CWC)	7.13Y	118.9	0.03	6.09	8.87	6	62	13	98	0.01	0.0	5.648	0.084	7	2	1	12
PL.6324	PL.6007	B	#1/0 ACSR	7.13Y	118.9	0.01	6.10	7.84	3	55	12	98	0.00	0.0	5.722	0.074	2	0	2	11
PL.6325	PL.6324	B	#1/0 ACSR	7.13Y	118.9	0.01	6.11	7.52	3	52	11	98	0.00	0.0	5.790	0.068	0	0	0	9
PL.5469	PL.6325	B	#2 ACSR	7.13Y	118.9	0.00	6.12	2.25	1	16	3	98	0.00	0.0	5.813	0.023	9	2	2	3
PL.7256	PL.5469	B	#1/0 ACSR	7.13Y	118.9	0.00	6.12	0.94	0	7	1	99	0.00	0.0	5.882	0.069	7	1	1	1
PL.5753	PL.6325	B	#1/0 ACSR	7.13Y	118.9	0.01	6.12	3.70	2	26	5	98	0.00	0.0	5.864	0.074	0	0	0	3

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Balanced Voltage Drop Report
Source: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.5471	PL.5753	B	#1/0 ACSR	7.13Y	118.9	0.00	6.12	3.33	1	23	5	98	0.00	0.0	5.904	0.040	9	2	1	2
PL.5472	PL.5471	B	#1/0 ACSR	7.13Y	118.9	0.00	6.12	1.98	1	14	3	98	0.00	0.0	5.953	0.050	14	3	1	1
PL.5754	PL.5753	B	#1/0 ACSR	7.13Y	118.9	0.00	6.12	0.37	0	3	1	95	0.00	0.0	5.926	0.062	3	1	1	1
PL.5962	PL.5754	B	6 A (CWC)	7.13Y	118.9	0.00	6.12	0.00	0	0	0	100	0.00	0.0	5.931	0.005	0	0	0	0
PD.1441-A	PL.5962	B	Open	7.13Y	118.9	0.00	6.12	0.00	0	0	0	100	0.00	0.0	5.931	0.005	0	0	0	0
PL.25732	PL.6325	B	#1/0 ACSR	7.13Y	118.9	0.00	6.12	1.57	1	11	2	98	0.00	0.0	5.843	0.053	6	1	1	3
PL.25733	PL.25732	B	#1/0 ACSR	7.13Y	118.9	0.00	6.12	0.71	0	5	1	98	0.00	0.0	5.896	0.052	5	1	2	2
PL.6330	PL.6333	B	#2 ACSR	7.14Y	119.0	0.00	6.00	2.84	2	20	4	98	0.00	0.0	5.486	0.043	14	3	2	3
PL.6331	PL.6330	B	#2 ACSR	7.14Y	119.0	0.00	6.00	0.80	0	6	1	99	0.00	0.0	5.528	0.042	6	1	1	1
PL.6328	PL.6333	B	#4 ACSR	7.14Y	119.0	0.01	6.00	4.94	4	35	7	98	0.00	0.0	5.486	0.043	25	5	3	4
PL.6329	PL.6328	B	#4 ACSR	7.14Y	119.0	0.00	6.00	1.38	1	10	2	98	0.00	0.0	5.539	0.052	10	2	1	1
PL.5465	PL.6760	B	#4 ACSR	7.15Y	119.2	0.00	5.81	1.00	1	7	1	99	0.00	0.0	5.294	0.037	7	1	2	2
PL.6651	PL.33046	C	#1/0 ACSR	7.16Y	119.3	0.00	5.75	0.62	0	4	1	97	0.00	0.0	5.234	0.028	0	0	0	1
PD.1356	PL.6651	C	30T	7.16Y	119.3	0.00	5.75	0.62	0	4	1	97	0.00	0.0	5.234	0.028	0	0	0	1
PL.6652	PD.1356	C	#1/0 ACSR	7.15Y	119.2	0.00	5.75	0.62	0	4	1	97	0.00	0.0	5.346	0.112	4	1	1	1
PL.6761	PL.33046	A	#1/0 ACSR	7.16Y	119.3	0.00	5.75	7.63	3	53	11	98	0.00	0.0	5.210	0.004	0	0	0	11
PD.1418	PL.6761	A	30T	7.16Y	119.3	0.00	5.75	7.63	0	53	11	98	0.00	0.0	5.210	0.004	0	0	0	11
PL.6762	PD.1418	A	#1/0 ACSR	7.15Y	119.2	0.01	5.76	7.63	3	53	11	98	0.00	0.0	5.249	0.039	9	2	1	11
PL.6337	PL.6762	A	6 A (CWC)	7.15Y	119.2	0.01	5.76	6.38	5	45	9	98	0.00	0.0	5.276	0.026	5	1	1	10
PL.6338	PL.6337	A	6 A (CWC)	7.15Y	119.2	0.01	5.77	5.73	4	40	8	98	0.00	0.0	5.305	0.029	2	0	1	9
PL.6336	PL.6338	A	6 A (CWC)	7.15Y	119.2	0.01	5.78	5.39	4	38	8	98	0.00	0.0	5.358	0.053	0	0	1	8
PL.6334	PL.6336	A	6 A (CWC)	7.15Y	119.2	0.00	5.79	4.44	3	31	7	98	0.00	0.0	5.375	0.017	7	1	1	6
PL.6335	PL.6334	A	6 A (CWC)	7.15Y	119.2	0.01	5.79	3.50	2	24	5	98	0.00	0.0	5.429	0.054	14	3	2	5
PL.5457	PL.6335	A	#4 ACSR	7.15Y	119.2	0.00	5.79	0.00	0	0	0	100	0.00	0.0	5.494	0.065	0	0	0	0
PL.5458	PL.6335	A	#1/0 ACSR	7.15Y	119.2	0.00	5.79	0.52	0	4	1	97	0.00	0.0	5.491	0.062	4	1	2	2
PL.5459	PL.6335	A	#2 ACSR	7.15Y	119.2	0.00	5.79	0.95	1	7	1	99	0.00	0.0	5.497	0.068	7	1	1	1
PL.5479	PL.6336	A	#1/0 ACSR	7.15Y	119.2	0.00	5.78	0.89	0	6	1	99	0.00	0.0	5.405	0.047	6	1	1	1
PL.6653	PL.6340	A	#2 ACSR	7.16Y	119.3	0.00	5.72	0.00	0	0	0	100	0.00	0.0	5.066	0.005	0	0	0	0
PD.1357	PL.6653	A	30T	7.16Y	119.3	0.00	5.72	0.00	0	0	0	100	0.00	0.0	5.066	0.005	0	0	0	0
PL.6654	PD.1357	A	#2 ACSR	7.16Y	119.3	0.00	5.72	0.00	0	0	0	100	0.00	0.0	5.093	0.027	0	0	0	0
PL.6757	PL.7258	C	#1/0 ACSR	7.16Y	119.4	0.00	5.61	1.84	1	13	3	97	0.00	0.0	4.510	0.005	0	0	0	2

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Balanced Voltage Drop Report
Source: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.1416	PL.6757	C	30T	7.16Y	119.4	0.00	5.61	1.84	0	13	3	97	0.00	0.0	4.510	0.005	0	0	0	2
PL.6758	PD.1416	C	#1/0 ACSR	7.16Y	119.4	0.00	5.61	1.84	1	13	3	97	0.00	0.0	4.599	0.089	13	3	2	2
PL.5419	PL.5420	A	#1/0 ACSR	7.17Y	119.5	0.01	5.52	7.22	3	51	11	98	0.00	0.0	4.132	0.038	3	1	1	6
PL.6743	PL.5419	A	6 A (CWC)	7.17Y	119.5	0.00	5.52	6.83	5	48	10	98	0.00	0.0	4.136	0.005	0	0	0	5
PD.1409	PL.6743	A	30T	7.17Y	119.5	0.00	5.52	6.83	0	48	10	98	0.00	0.0	4.136	0.005	0	0	0	5
PL.6744	PD.1409	A	6 A (CWC)	7.17Y	119.5	0.01	5.53	6.83	5	48	10	98	0.00	0.0	4.168	0.031	17	4	2	5
PL.5526	PL.6744	A	6 A (CWC)	7.17Y	119.5	0.01	5.54	4.35	3	31	6	98	0.00	0.0	4.243	0.075	13	3	1	3
PL.5525	PL.5526	A	6 A (CWC)	7.17Y	119.5	0.00	5.54	2.48	2	17	4	97	0.00	0.0	4.295	0.052	11	2	1	2
PL.5428	PL.5525	A	#4 ACSR	7.17Y	119.5	0.00	5.54	0.96	1	7	1	99	0.00	0.0	4.331	0.036	7	1	1	1
PL.5421	PL.5524	ABC	#1/0 ACSR	7.17Y	119.5	0.02	5.50	27.39	12	576	122	98	0.10	0.0	3.989	0.048	0	0	0	127
PL.5756	PL.5421	ABC	#1/0 ACSR	7.17Y	119.5	0.02	5.52	26.71	12	562	119	98	0.08	0.0	4.029	0.040	0	0	0	124
PL.6747	PL.5756	A	#1/0 ACSR	7.17Y	119.5	0.00	5.52	19.72	9	138	29	98	0.00	0.0	4.034	0.005	0	0	0	30
PD.1411	PL.6747	A	30T	7.17Y	119.5	0.00	5.52	19.72	0	138	29	98	0.00	0.0	4.034	0.005	0	0	0	30
PL.6748	PD.1411	A	#1/0 ACSR	7.17Y	119.5	0.01	5.53	19.72	9	138	29	98	0.01	0.0	4.053	0.020	0	0	1	30
PL.5431	PL.6748	A	#1/0 ACSR	7.17Y	119.5	0.01	5.55	19.72	9	138	29	98	0.01	0.0	4.087	0.034	0	0	0	29
PL.5522	PL.5431	A	#1/0 ACSR	7.17Y	119.4	0.00	5.55	4.52	2	32	7	98	0.00	0.0	4.138	0.052	6	1	1	5
PL.5523	PL.5522	A	#1/0 ACSR	7.17Y	119.4	0.00	5.55	3.68	2	26	5	98	0.00	0.0	4.175	0.037	19	4	3	4
PL.5521	PL.5523	A	#1/0 ACSR	7.17Y	119.4	0.00	5.55	1.02	0	7	1	99	0.00	0.0	4.381	0.206	7	1	1	1
PL.5429	PL.5431	A	#1/0 ACSR	7.17Y	119.5	0.00	5.55	0.00	0	0	0	100	0.00	0.0	4.105	0.018	0	0	0	0
PL.5989	PL.5431	A	#1/0 ACSR	7.17Y	119.4	0.02	5.56	15.20	7	107	22	98	0.01	0.0	4.148	0.062	14	3	3	24
PL.5430	PL.5989	A	#2 ACSR	7.17Y	119.4	0.00	5.57	1.19	1	8	2	97	0.00	0.0	4.179	0.030	8	2	2	2
PL.5990	PL.5989	A	#1/0 ACSR	7.17Y	119.4	0.01	5.58	11.99	5	84	18	98	0.01	0.0	4.207	0.059	10	2	2	19
PL.6362	PL.5990	A	6 A (CWC)	7.16Y	119.4	0.02	5.60	10.58	8	74	16	98	0.01	0.0	4.260	0.053	7	1	1	17
PL.5517	PL.6362	A	6 A (CWC)	7.16Y	119.4	0.01	5.62	9.57	7	67	14	98	0.01	0.0	4.300	0.039	31	7	7	16
PL.6361	PL.5517	A	6 A (CWC)	7.16Y	119.4	0.01	5.62	5.11	4	36	8	98	0.00	0.0	4.331	0.031	0	0	2	9
PL.6313	PL.6361	A	6 A (CWC)	7.16Y	119.4	0.02	5.64	5.11	4	36	8	98	0.00	0.0	4.406	0.074	4	1	1	6
PL.6312	PL.6313	A	6 A (CWC)	7.16Y	119.4	0.00	5.64	4.54	3	32	7	98	0.00	0.0	4.415	0.009	0	0	0	5
PL.5434	PL.6312	A	#2 ACSR	7.16Y	119.4	0.00	5.65	2.88	2	20	4	98	0.00	0.0	4.474	0.059	10	2	1	3
PL.5435	PL.5434	A	#1/0 ACSR	7.16Y	119.4	0.00	5.65	1.44	1	10	2	98	0.00	0.0	4.568	0.094	10	2	2	2
PL.5433	PL.6312	A	#4 ACSR	7.16Y	119.4	0.00	5.64	0.83	1	6	1	99	0.00	0.0	4.436	0.021	6	1	1	1
PL.21295	PL.6312	A	#1/0 ACSR	7.16Y	119.4	0.00	5.64	0.83	0	6	1	99	0.00	0.0	4.483	0.068	6	1	1	1

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Balanced Voltage Drop Report
Source: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.65719	PL.6361	A	#1/0 ACSR	7.16Y	119.4	0.00	5.62	0.00	0	0	0	100	0.00	0.0	4.395	0.063	0	0	0	1
PL.65720	PL.65719	A	#1/0 ACSR	7.16Y	119.4	0.00	5.62	0.00	0	0	0	100	0.00	0.0	4.433	0.039	0	0	1	1
PL.5757	PL.5756	ABC	#1/0 ACSR	7.17Y	119.5	0.02	5.54	19.58	9	412	87	98	0.05	0.0	4.077	0.048	0	0	0	92
PL.6645	PL.5757	A	#1/0 ACSR	7.17Y	119.5	0.00	5.54	2.22	1	16	3	98	0.00	0.0	4.082	0.005	0	0	0	3
PD.1354	PL.6645	A	15T	7.17Y	119.5	0.00	5.54	2.22	0	16	3	98	0.00	0.0	4.082	0.005	0	0	0	3
PL.6646	PD.1354	A	#1/0 ACSR	7.17Y	119.5	0.00	5.54	2.22	1	16	3	98	0.00	0.0	4.099	0.017	16	3	3	3
PL.6647	PL.5757	ABC	#1/0 ACSR	7.17Y	119.5	0.00	5.54	18.84	8	396	84	98	0.00	0.0	4.082	0.004	0	0	0	89
PL.6648	PL.6647	ABC	#1/0 ACSR	7.17Y	119.4	0.04	5.58	18.84	8	396	84	98	0.12	0.0	4.212	0.131	0	0	0	89
PL.6643	PL.6648	A	#1/0 ACSR	7.17Y	119.4	0.00	5.58	0.23	0	2	0	100	0.00	0.0	4.217	0.005	0	0	0	1
PD.1353	PL.6643	A	30T	7.17Y	119.4	0.00	5.58	0.23	0	2	0	100	0.00	0.0	4.217	0.005	0	0	0	1
PL.6644	PD.1353	A	#1/0 ACSR	7.17Y	119.4	0.00	5.58	0.23	0	2	0	100	0.00	0.0	4.245	0.028	2	0	1	1
PL.5758	PL.6648	ABC	#1/0 ACSR	7.16Y	119.4	0.05	5.63	17.53	8	369	78	98	0.13	0.0	4.367	0.154	0	0	0	84
PL.5759	PL.5758	ABC	#1/0 ACSR	7.16Y	119.4	0.02	5.65	15.73	7	331	70	98	0.05	0.0	4.446	0.079	0	0	0	76
PL.5760	PL.5759	ABC	#1/0 ACSR	7.16Y	119.3	0.02	5.67	15.33	7	322	68	98	0.05	0.0	4.531	0.086	0	0	0	75
PL.6637	PL.5760	C	#1/0 ACSR	7.16Y	119.3	0.00	5.67	1.68	1	12	2	99	0.00	0.0	4.536	0.005	0	0	0	3
PD.1350	PL.6637	C	30T	7.16Y	119.3	0.00	5.67	1.68	0	12	2	99	0.00	0.0	4.536	0.005	0	0	0	3
PL.6638	PD.1350	C	#1/0 ACSR	7.16Y	119.3	0.00	5.67	1.68	1	12	2	99	0.00	0.0	4.557	0.021	12	2	3	3
PL.6306	PL.5760	ABC	#1/0 ACSR	7.16Y	119.3	0.01	5.69	14.77	6	310	65	98	0.03	0.0	4.583	0.051	14	3	1	72
PL.6307	PL.6306	ABC	#1/0 ACSR	7.16Y	119.3	0.01	5.70	14.10	6	296	62	98	0.03	0.0	4.640	0.058	0	0	0	71
PL.6751	PL.6307	C	#1/0 ACSR	7.16Y	119.3	0.00	5.70	1.04	0	7	2	96	0.00	0.0	4.645	0.005	0	0	0	1
PD.1413	PL.6751	C	30T	7.16Y	119.3	0.00	5.70	1.04	0	7	2	96	0.00	0.0	4.645	0.005	0	0	0	1
PL.6752	PD.1413	C	#1/0 ACSR	7.16Y	119.3	0.00	5.70	1.04	0	7	2	96	0.00	0.0	4.686	0.041	7	2	1	1
PL.5761	PL.6307	ABC	#1/0 ACSR	7.16Y	119.3	0.02	5.72	13.62	6	286	60	98	0.03	0.0	4.706	0.066	0	0	0	69
PL.6304	PL.5761	ABC	#1/0 ACSR	7.16Y	119.3	0.01	5.73	11.90	5	250	53	98	0.02	0.0	4.761	0.055	11	2	3	64
PL.6305	PL.6304	ABC	#1/0 ACSR	7.16Y	119.3	0.01	5.74	11.38	5	239	50	98	0.02	0.0	4.828	0.067	9	2	1	61
PL.6303	PL.6305	ABC	#1/0 ACSR	7.16Y	119.3	0.01	5.75	10.97	5	230	49	98	0.01	0.0	4.863	0.034	5	1	1	60
PL.6302	PL.6303	ABC	#1/0 ACSR	7.15Y	119.2	0.01	5.76	10.72	5	225	47	98	0.02	0.0	4.917	0.054	11	2	3	59
PL.5440	PL.6302	C	#4 ACSR	7.15Y	119.2	0.02	5.78	18.09	14	127	27	98	0.02	0.0	4.945	0.028	0	0	0	38
PL.6826	PL.5440	C	#4 ACSR	7.15Y	119.2	0.00	5.78	18.09	14	127	27	98	0.00	0.0	4.947	0.003	0	0	0	38
PD.1455	PL.6826	C	50H	7.15Y	119.2	0.00	5.78	18.09	36	127	27	98	0.00	0.0	4.947	0.003	0	0	0	38
PL.6827	PD.1455	C	#4 ACSR	7.13Y	118.8	0.42	6.20	18.09	14	127	27	98	0.42	0.3	5.485	0.537	0	0	1	38

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Balanced Voltage Drop Report
Source: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.6360	PL.6827	C	#4 ACSR	7.12Y	118.7	0.11	6.32	18.05	14	126	26	98	0.11	0.1	5.629	0.144	0	0	0	37
PL.5450	PL.6360	C	#4 ACSR	7.12Y	118.7	0.00	6.32	0.49	0	3	1	95	0.00	0.0	5.744	0.115	3	1	1	1
PL.6357	PL.6360	C	#4 ACSR	7.12Y	118.7	0.03	6.35	17.56	14	122	26	98	0.03	0.0	5.667	0.038	10	2	1	36
PL.6358	PL.6357	C	#4 ACSR	7.12Y	118.6	0.03	6.37	16.08	12	112	23	98	0.02	0.0	5.705	0.039	13	3	2	35
PL.5977	PL.6358	C	#1/0 ACSR	7.12Y	118.6	0.00	6.37	1.08	0	8	2	97	0.00	0.0	5.773	0.067	0	0	0	3
PL.5451	PL.5977	C	#4 ACSR	7.12Y	118.6	0.00	6.38	0.48	0	3	1	95	0.00	0.0	5.904	0.131	3	1	1	1
PL.6355	PL.5977	C	#1/0 ACSR	7.12Y	118.6	0.00	6.37	0.60	0	4	1	97	0.00	0.0	5.796	0.024	2	0	1	2
PL.6356	PL.6355	C	#1/0 ACSR	7.12Y	118.6	0.00	6.37	0.26	0	2	0	100	0.00	0.0	5.859	0.063	2	0	1	1
PL.5978	PL.6358	C	#4 ACSR	7.11Y	118.6	0.05	6.42	13.10	10	91	19	98	0.03	0.0	5.791	0.086	8	2	3	30
PL.6353	PL.5978	C	#4 ACSR	7.11Y	118.6	0.00	6.42	0.41	0	3	0	100	0.00	0.0	5.907	0.116	0	0	1	3
PL.6354	PL.6353	C	#4 ACSR	7.11Y	118.6	0.00	6.42	0.34	0	2	0	100	0.00	0.0	5.940	0.034	1	0	1	2
PL.6659	PL.6354	C	1/0 AL URD	7.11Y	118.6	0.00	6.42	0.22	0	2	0	100	0.00	0.0	5.945	0.005	0	0	0	1
PD.1360	PL.6659	C	20T	7.11Y	118.6	0.00	6.42	0.22	0	2	0	100	0.00	0.0	5.945	0.005	0	0	0	1
PL.6660	PD.1360	C	1/0 AL URD	7.11Y	118.6	0.00	6.42	0.22	0	2	0	100	0.00	0.0	6.010	0.065	2	0	1	1
PL.5976	PL.5978	C	#4 ACSR	7.10Y	118.4	0.20	6.62	11.55	9	80	17	98	0.13	0.2	6.191	0.400	0	0	0	24
PL.6351	PL.5976	C	#4 ACSR	7.10Y	118.4	0.02	6.64	4.62	4	32	7	98	0.00	0.0	6.282	0.092	3	1	2	10
PL.6352	PL.6351	C	#4 ACSR	7.10Y	118.3	0.01	6.65	4.19	3	29	6	98	0.00	0.0	6.344	0.062	0	0	0	8
PL.5452	PL.6352	C	#4 ACSR	7.10Y	118.3	0.00	6.65	1.08	1	7	2	96	0.00	0.0	6.420	0.075	7	2	1	1
PL.6349	PL.6352	C	#4 ACSR	7.10Y	118.3	0.01	6.66	3.11	2	22	5	98	0.00	0.0	6.445	0.100	2	0	1	7
PL.6350	PL.6349	C	#4 ACSR	7.10Y	118.3	0.00	6.67	2.84	2	20	4	98	0.00	0.0	6.477	0.032	1	0	1	6
PL.6348	PL.6350	C	#4 ACSR	7.10Y	118.3	0.01	6.68	2.68	2	19	4	98	0.00	0.0	6.554	0.077	5	1	2	5
PL.6347	PL.6348	C	#4 ACSR	7.10Y	118.3	0.00	6.68	2.01	2	14	3	98	0.00	0.0	6.600	0.046	0	0	0	3
PL.6346	PL.6347	C	#4 ACSR	7.10Y	118.3	0.00	6.68	2.01	2	14	3	98	0.00	0.0	6.628	0.029	0	0	0	3
PL.5765	PL.6346	C	#4 ACSR	7.10Y	118.3	0.00	6.68	0.94	1	7	1	99	0.00	0.0	6.656	0.028	7	1	2	2
PL.5453	PL.6346	C	#1/0 ACSR	7.10Y	118.3	0.00	6.68	1.07	0	7	2	96	0.00	0.0	6.704	0.075	7	2	1	1
PL.5764	PL.5976	C	#4 ACSR	7.10Y	118.3	0.04	6.66	6.93	5	48	10	98	0.02	0.0	6.325	0.135	0	0	1	14
PL.6753	PL.5764	C	#4 ACSR	7.10Y	118.3	0.00	6.66	1.70	1	12	2	99	0.00	0.0	6.330	0.005	0	0	0	3
PD.1414	PL.6753	C	20T	7.10Y	118.3	0.00	6.66	1.70	0	12	2	99	0.00	0.0	6.330	0.005	0	0	0	3
PL.6754	PD.1414	C	#4 ACSR	7.10Y	118.3	0.03	6.70	1.70	1	12	2	99	0.00	0.0	6.824	0.494	1	0	1	3
PL.5974	PL.6754	C	#4 ACSR	7.10Y	118.3	0.01	6.70	1.51	1	10	2	98	0.00	0.0	6.937	0.113	0	0	0	1
PL.5449	PL.5974	C	#2 ACSR	7.10Y	118.3	0.00	6.70	0.00	0	0	0	100	0.00	0.0	6.972	0.035	0	0	0	0

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.5463	PL.5974	C	#4 ACSR	7.10Y	118.3	0.01	6.71	1.51	1	10	2	98	0.00	0.0	7.133	0.196	10	2	1	1
PL.5975	PL.6754	C	#4 ACSR	7.10Y	118.3	0.00	6.70	0.00	0	0	0	100	0.00	0.0	6.914	0.090	0	0	1	1
PL.6755	PL.5764	C	#4 ACSR	7.10Y	118.3	0.00	6.66	5.23	4	36	8	98	0.00	0.0	6.330	0.005	0	0	0	10
PD.1415	PL.6755	C	20T	7.10Y	118.3	0.00	6.66	5.23	0	36	8	98	0.00	0.0	6.330	0.005	0	0	0	10
PL.6756	PD.1415	C	#4 ACSR	7.10Y	118.3	0.07	6.74	5.23	4	36	8	98	0.02	0.1	6.647	0.317	0	0	1	10
PL.6323	PL.6756	C	#4 ACSR	7.09Y	118.2	0.04	6.77	5.17	4	36	8	98	0.01	0.0	6.813	0.166	0	0	1	9
PL.6318	PL.6323	C	#4 ACSR	7.09Y	118.2	0.01	6.78	5.12	4	36	7	98	0.00	0.0	6.853	0.041	9	2	1	6
PL.6319	PL.6318	C	#4 ACSR	7.09Y	118.2	0.01	6.79	3.84	3	27	6	98	0.00	0.0	6.887	0.034	0	0	0	5
PL.5455	PL.6319	C	#4 ACSR	7.09Y	118.2	0.05	6.83	3.84	3	27	6	98	0.01	0.0	7.227	0.339	10	2	2	5
PL.6316	PL.5455	C	#4 ACSR	7.09Y	118.2	0.00	6.83	1.44	1	10	2	98	0.00	0.0	7.248	0.022	0	0	0	1
PL.6649	PL.6316	C	#1/0 ACSR	7.09Y	118.2	0.00	6.83	1.44	1	10	2	98	0.00	0.0	7.253	0.005	0	0	0	1
PD.1355	PL.6649	C	12T	7.09Y	118.2	0.00	6.83	1.44	0	10	2	98	0.00	0.0	7.253	0.005	0	0	0	1
PL.6650	PD.1355	C	#1/0 ACSR	7.09Y	118.2	0.00	6.83	1.44	1	10	2	98	0.00	0.0	7.278	0.025	10	2	1	1
PL.6317	PL.5455	C	#4 ACSR	7.09Y	118.2	0.00	6.84	0.94	1	7	1	99	0.00	0.0	7.306	0.079	0	0	1	2
PL.6315	PL.6317	C	#4 ACSR	7.09Y	118.2	0.00	6.84	0.94	1	7	1	99	0.00	0.0	7.391	0.086	7	1	1	1
PL.5454	PL.6323	C	6 A (CWC)	7.09Y	118.2	0.00	6.77	0.01	0	0	0	100	0.00	0.0	6.918	0.106	0	0	1	2
PL.6320	PL.5454	C	6 A (CWC)	7.09Y	118.2	0.00	6.77	0.00	0	0	0	100	0.00	0.0	7.009	0.090	0	0	0	1
PL.6321	PL.6320	C	6 A (CWC)	7.09Y	118.2	0.00	6.77	0.00	0	0	0	100	0.00	0.0	7.077	0.069	0	0	1	1
PL.28279	PL.5764	C	#1/0 ACSR	7.10Y	118.3	0.00	6.66	0.00	0	0	0	100	0.00	0.0	6.376	0.051	0	0	0	0
PL.5441	PL.6302	A	6 A (CWC)	7.15Y	119.2	0.01	5.77	12.50	9	88	18	98	0.01	0.0	4.942	0.026	0	0	0	18
PL.6813	PL.5441	A	6 A (CWC)	7.15Y	119.2	0.00	5.77	12.50	9	87	18	98	0.00	0.0	4.945	0.003	0	0	0	18
PD.1446	PL.6813	A	35H	7.15Y	119.2	0.00	5.77	12.50	36	87	18	98	0.00	0.0	4.945	0.003	0	0	0	18
PL.6814	PD.1446	A	6 A (CWC)	7.15Y	119.2	0.04	5.81	12.50	9	87	18	98	0.02	0.0	5.013	0.068	9	2	1	18
PL.6301	PL.6814	A	6 A (CWC)	7.15Y	119.2	0.02	5.82	11.26	8	79	17	98	0.01	0.0	5.050	0.037	12	3	2	17
PL.6300	PL.6301	A	6 A (CWC)	7.15Y	119.1	0.04	5.86	9.50	7	67	14	98	0.02	0.0	5.142	0.092	13	3	3	15
PL.6299	PL.6300	A	6 A (CWC)	7.14Y	119.0	0.11	5.97	7.68	5	54	11	98	0.04	0.1	5.454	0.312	1	0	1	12
PL.5980	PL.6299	A	6 A (CWC)	7.14Y	118.9	0.09	6.05	6.74	5	47	10	98	0.03	0.1	5.741	0.287	0	0	0	7
PL.5763	PL.5980	A	6 A (CWC)	7.13Y	118.9	0.04	6.09	5.66	4	40	8	98	0.01	0.0	5.917	0.176	11	2	2	5
PL.5443	PL.5763	A	6 A (CWC)	7.13Y	118.9	0.02	6.11	3.95	3	28	6	98	0.00	0.0	6.031	0.115	0	0	0	2
PL.5448	PL.5443	A	6 A (CWC)	7.13Y	118.9	0.00	6.11	1.81	1	13	3	97	0.00	0.0	6.055	0.024	0	0	0	1
PL.5447	PL.5448	A	6 A (CWC)	7.13Y	118.9	0.00	6.11	1.81	1	13	3	97	0.00	0.0	6.083	0.028	13	3	1	1

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Balanced Voltage Drop Report
Source: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.5446	PL.5443	A	6 A (CWC)	7.13Y	118.9	0.02	6.13	2.14	2	15	3	98	0.00	0.0	6.225	0.194	0	0	0	1
PL.6297	PL.5446	A	6 A (CWC)	7.13Y	118.9	0.01	6.14	2.14	2	15	3	98	0.00	0.0	6.341	0.116	15	3	1	1
PL.5462	PL.5763	A	6 A (CWC)	7.13Y	118.9	0.00	6.09	0.09	0	1	0	100	0.00	0.0	6.036	0.119	1	0	1	1
PL.5444	PL.5980	A	#2 ACSR	7.14Y	118.9	0.00	6.05	0.02	0	0	0	100	0.00	0.0	5.823	0.082	0	0	1	1
PL.5456	PL.5980	A	#1/0 ACSR	7.14Y	118.9	0.00	6.05	1.05	0	7	2	96	0.00	0.0	5.795	0.055	7	2	1	1
PL.6298	PL.6299	A	#4 ACSR	7.14Y	119.0	0.00	5.97	0.77	1	5	1	98	0.00	0.0	5.492	0.038	0	0	1	4
PL.6633	PL.6298	A	#4 ACSR	7.14Y	119.0	0.00	5.97	0.73	1	5	1	98	0.00	0.0	5.496	0.005	0	0	0	3
PD.1347	PL.6633	A	10T	7.14Y	119.0	0.00	5.97	0.73	0	5	1	98	0.00	0.0	5.496	0.005	0	0	0	3
PL.6634	PD.1347	A	#4 ACSR	7.14Y	119.0	0.01	5.97	0.73	1	5	1	98	0.00	0.0	5.910	0.414	5	1	3	3
PL.7201	PL.5761	C	#1/0 ACSR	7.16Y	119.3	0.00	5.72	5.16	2	36	8	98	0.00	0.0	4.708	0.002	0	0	0	5
PD.1545	PL.7201	C	30T	7.16Y	119.3	0.00	5.72	5.16	0	36	8	98	0.00	0.0	4.708	0.002	0	0	0	5
PL.7202	PD.1545	C	#1/0 ACSR	7.16Y	119.3	0.00	5.72	5.16	2	36	8	98	0.00	0.0	4.711	0.003	0	0	0	5
PL.5762	PL.7202	C	#1/0 ACSR	7.16Y	119.3	0.00	5.72	2.29	1	16	3	98	0.00	0.0	4.728	0.017	16	3	2	2
PL.5981	PL.7202	C	#1/0 ACSR	7.16Y	119.3	0.00	5.72	2.87	1	20	4	98	0.00	0.0	4.715	0.004	0	0	0	3
PL.5437	PL.5981	C	#1/0 ACSR	7.16Y	119.3	0.00	5.72	2.87	1	20	4	98	0.00	0.0	4.740	0.025	0	0	0	3
PL.5438	PL.5437	C	6 A (CWC)	7.16Y	119.3	0.01	5.72	2.87	2	20	4	98	0.00	0.0	4.819	0.079	20	4	3	3
PL.6635	PL.6307	C	#1/0 ACSR	7.16Y	119.3	0.00	5.70	0.38	0	3	1	95	0.00	0.0	4.645	0.005	0	0	0	1
PD.1349	PL.6635	C	30T	7.16Y	119.3	0.00	5.70	0.38	0	3	1	95	0.00	0.0	4.645	0.005	0	0	0	1
PL.6636	PD.1349	C	#1/0 ACSR	7.16Y	119.3	0.00	5.70	0.38	0	3	1	95	0.00	0.0	4.666	0.021	3	1	1	1
PL.6639	PL.5759	C	#1/0 ACSR	7.16Y	119.4	0.00	5.65	1.19	1	8	2	97	0.00	0.0	4.450	0.005	0	0	0	1
PD.1351	PL.6639	C	30T	7.16Y	119.4	0.00	5.65	1.19	0	8	2	97	0.00	0.0	4.450	0.005	0	0	0	1
PL.6640	PD.1351	C	#1/0 ACSR	7.16Y	119.3	0.00	5.65	1.19	1	8	2	97	0.00	0.0	4.475	0.025	8	2	1	1
PL.6641	PL.5758	A	#1/0 ACSR	7.16Y	119.4	0.00	5.63	5.41	2	38	8	98	0.00	0.0	4.371	0.005	0	0	0	8
PD.1352	PL.6641	A	30T	7.16Y	119.4	0.00	5.63	5.41	0	38	8	98	0.00	0.0	4.371	0.005	0	0	0	8
PL.6642	PD.1352	A	#1/0 ACSR	7.16Y	119.4	0.00	5.63	5.41	2	38	8	98	0.00	0.0	4.376	0.004	9	2	2	8
PL.6311	PL.6642	A	#1/0 ACSR	7.16Y	119.4	0.00	5.63	4.12	2	29	6	98	0.00	0.0	4.432	0.057	5	1	1	6
PL.6310	PL.6311	A	#1/0 ACSR	7.16Y	119.4	0.01	5.64	3.34	1	23	5	98	0.00	0.0	4.549	0.117	9	2	1	5
PL.5436	PL.6310	A	#4 ACSR	7.16Y	119.4	0.00	5.64	0.85	1	6	1	99	0.00	0.0	4.596	0.046	6	1	1	1
PL.6308	PL.6310	A	#1/0 ACSR	7.16Y	119.4	0.00	5.64	1.20	1	8	2	97	0.00	0.0	4.599	0.050	0	0	2	3
PL.6309	PL.6308	A	#1/0 ACSR	7.16Y	119.4	0.00	5.64	1.17	1	8	2	97	0.00	0.0	4.643	0.044	8	2	1	1
PL.6749	PL.6648	C	#1/0 ACSR	7.17Y	119.4	0.00	5.58	3.70	2	26	5	98	0.00	0.0	4.218	0.005	0	0	0	4

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Balanced Voltage Drop Report
Source: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PD.1412	PL.6749	C	30T	7.17Y	119.4	0.00	5.58	3.70	0	26	5	98	0.00	0.0	4.218	0.005	0	0	0	4	
PL.6750	PD.1412	C	#1/0 ACSR	7.16Y	119.4	0.00	5.58	3.70	2	26	5	98	0.00	0.0	4.274	0.056	26	5	4	4	
PL.6663	PL.5756	A	#4 ACSR	7.17Y	119.5	0.00	5.52	1.67	1	12	2	99	0.00	0.0	4.034	0.005	0	0	0	2	
PD.1362	PL.6663	A	30T	7.17Y	119.5	0.00	5.52	1.67	0	12	2	99	0.00	0.0	4.034	0.005	0	0	0	2	
PL.6664	PD.1362	A	#4 ACSR	7.17Y	119.5	0.00	5.52	1.67	1	12	2	99	0.00	0.0	4.062	0.029	0	0	1	2	
PL.5520	PL.6664	A	#4 ACSR	7.17Y	119.5	0.00	5.52	1.62	1	11	2	98	0.00	0.0	4.091	0.029	11	2	1	1	
PL.6745	PL.5421	C	#1/0 ACSR	7.17Y	119.5	0.00	5.50	2.02	1	14	3	98	0.00	0.0	3.994	0.005	0	0	0	2	
PD.1410	PL.6745	C	30T	7.17Y	119.5	0.00	5.50	2.02	0	14	3	98	0.00	0.0	3.994	0.005	0	0	0	2	
PL.6746	PD.1410	C	#1/0 ACSR	7.17Y	119.5	0.00	5.50	2.02	1	14	3	98	0.00	0.0	4.018	0.024	14	3	2	2	
PL.6665	PL.5421	A	#4 ACSR	7.17Y	119.5	0.00	5.50	0.00	0	0	0	100	0.00	0.0	3.994	0.005	0	0	0	1	
PD.1363	PL.6665	A	30T	7.17Y	119.5	0.00	5.50	0.00	0	0	0	100	0.00	0.0	3.994	0.005	0	0	0	1	
PL.6666	PD.1363	A	#4 ACSR	7.17Y	119.5	0.00	5.50	0.00	0	0	0	100	0.00	0.0	4.017	0.023	0	0	1	1	
PL.5427	PL.5530	B	1/0 AL URD	7.18Y	119.6	0.00	5.40	1.17	1	8	1	99	0.00	0.0	3.772	0.005	0	0	0	3	
PD.1364	PL.5427	B	30T	7.18Y	119.6	0.00	5.40	1.17	0	8	1	99	0.00	0.0	3.772	0.005	0	0	0	3	
PL.5823	PD.1364	B	1/0 AL URD	7.18Y	119.6	0.00	5.40	1.17	1	8	1	99	0.00	0.0	3.781	0.009	7	1	1	3	
PL.5424	PL.5823	B	1/0 AL URD	7.18Y	119.6	0.00	5.40	0.21	0	1	0	100	0.00	0.0	3.836	0.055	1	0	2	2	
PL.5426	PL.5424	B	1/0 AL URD	7.18Y	119.6	-0.00	5.40	-0.07	0	0	0	100	0.00	0.0	3.960	0.123	0	0	0	0	
P PL.7199	PL.5426	B	1/0 AL URD	7.18Y	119.6	0.00	5.40	0.00	0	0	0	100	0.00	0.0	3.961	0.001	0	0	0	0	P
PL.6671	PL.5748	A	#1/0 ACSR	7.19Y	119.8	0.00	5.24	1.01	0	7	1	99	0.00	0.0	3.449	0.005	0	0	0	1	
PD.1367	PL.6671	A	30T	7.19Y	119.8	0.00	5.24	1.01	0	7	1	99	0.00	0.0	3.449	0.005	0	0	0	1	
PL.6672	PD.1367	A	#1/0 ACSR	7.19Y	119.8	0.00	5.24	1.01	0	7	1	99	0.00	0.0	3.495	0.046	7	1	1	1	
PL.7197	PL.6514	A	#4 ACSR	7.19Y	119.8	0.00	5.20	5.45	4	38	8	98	0.00	0.0	3.388	0.002	0	0	0	8	
PD.1544	PL.7197	A	30T	7.19Y	119.8	0.00	5.20	5.45	0	38	8	98	0.00	0.0	3.388	0.002	0	0	0	8	
PL.7198	PD.1544	A	#4 ACSR	7.19Y	119.8	0.00	5.21	5.45	4	38	8	98	0.00	0.0	3.391	0.002	0	0	0	8	
PL.5747	PL.7198	A	#4 ACSR	7.19Y	119.8	0.00	5.21	2.26	2	16	3	98	0.00	0.0	3.470	0.079	16	3	5	5	
PL.5996	PL.7198	A	#4 ACSR	7.19Y	119.8	0.00	5.21	3.19	2	22	5	98	0.00	0.0	3.394	0.003	0	0	0	3	
PL.5408	PL.5996	A	#4 ACSR	7.19Y	119.8	0.00	5.21	3.19	2	22	5	98	0.00	0.0	3.441	0.047	22	5	3	3	
PL.6741	PL.5998	B	#1/0 ACSR	7.19Y	119.8	0.00	5.15	1.42	1	10	2	98	0.00	0.0	3.303	0.005	0	0	0	1	
PD.1408	PL.6741	B	30T	7.19Y	119.8	0.00	5.15	1.42	0	10	2	98	0.00	0.0	3.303	0.005	0	0	0	1	
PL.6742	PD.1408	B	#1/0 ACSR	7.19Y	119.8	0.00	5.16	1.42	1	10	2	98	0.00	0.0	3.324	0.021	10	2	1	1	
PL.6675	PL.5545	A	6 A (CWC)	7.19Y	119.9	0.00	5.09	0.42	0	3	1	95	0.00	0.0	3.187	0.005	0	0	0	1	

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.1370	PL.6675	A	30T	7.19Y	119.9	0.00	5.09	0.42	0	3	1	95	0.00	0.0	3.187	0.005	0	0	0	1
PL.6676	PD.1370	A	6 A (CWC)	7.19Y	119.9	0.00	5.09	0.42	0	3	1	95	0.00	0.0	3.205	0.018	3	1	1	1
PL.5405	PL.5550	A	#4 ACSR	7.20Y	120.0	0.00	4.96	2.45	2	17	4	97	0.00	0.0	2.974	0.005	0	0	0	5
PD.1371	PL.5405	A	30T	7.20Y	120.0	0.00	4.96	2.45	0	17	4	97	0.00	0.0	2.974	0.005	0	0	0	5
PL.6003	PD.1371	A	6 A (CWC)	7.20Y	120.0	0.00	4.96	0.77	1	5	1	98	0.00	0.0	2.978	0.004	0	0	0	1
PL.5404	PL.6003	A	6 A (CWC)	7.20Y	120.0	0.00	4.96	0.77	1	5	1	98	0.00	0.0	3.028	0.050	5	1	1	1
PL.5745	PD.1371	A	#4 ACSR	7.20Y	120.0	0.00	4.97	1.67	1	12	2	99	0.00	0.0	3.021	0.047	0	0	0	4
PL.5547	PL.5745	A	#4 ACSR	7.20Y	120.0	0.00	4.97	1.67	1	12	2	99	0.00	0.0	3.058	0.037	4	1	2	4
PL.5548	PL.5547	A	#4 ACSR	7.20Y	120.0	0.00	4.97	1.13	1	8	2	97	0.00	0.0	3.103	0.045	0	0	1	2
PL.5546	PL.5548	A	#4 ACSR	7.20Y	120.0	0.00	4.97	1.11	1	8	2	97	0.00	0.0	3.156	0.053	8	2	1	1
PL.6677	PL.5552	B	#4 ACSR	7.21Y	120.1	0.00	4.89	1.05	1	7	2	96	0.00	0.0	2.852	0.005	0	0	0	2
PD.1372	PL.6677	B	30T	7.21Y	120.1	0.00	4.89	1.05	0	7	2	96	0.00	0.0	2.852	0.005	0	0	0	2
PL.6678	PD.1372	B	#4 ACSR	7.21Y	120.1	0.00	4.89	1.05	1	7	2	96	0.00	0.0	2.913	0.061	7	2	2	2
PL.6739	PL.5552	C	#4 ACSR	7.21Y	120.1	0.00	4.89	0.41	0	3	1	95	0.00	0.0	2.852	0.005	0	0	0	2
PD.1407	PL.6739	C	30T	7.21Y	120.1	0.00	4.89	0.41	0	3	1	95	0.00	0.0	2.852	0.005	0	0	0	2
PL.6740	PD.1407	C	#4 ACSR	7.21Y	120.1	0.00	4.89	0.41	0	3	1	95	0.00	0.0	2.932	0.080	0	0	1	2
PL.5400	PL.6740	C	#4 ACSR	7.21Y	120.1	0.00	4.89	0.34	0	2	1	89	0.00	0.0	3.227	0.296	2	1	1	1
PL.6679	PL.6363	C	#1/0 ACSR	7.21Y	120.2	0.00	4.84	3.98	2	28	6	98	0.00	0.0	2.778	0.005	0	0	0	4
PD.1373	PL.6679	C	30T	7.21Y	120.2	0.00	4.84	3.98	0	28	6	98	0.00	0.0	2.778	0.005	0	0	0	4
PL.6680	PD.1373	C	#1/0 ACSR	7.21Y	120.2	0.00	4.85	3.98	2	28	6	98	0.00	0.0	2.802	0.024	28	6	4	4
PL.6681	PL.6365	C	6 A (CWC)	7.21Y	120.2	0.00	4.75	0.63	0	4	1	97	0.00	0.0	2.633	0.005	0	0	0	3
PD.1374	PL.6681	C	30T	7.21Y	120.2	0.00	4.75	0.63	0	4	1	97	0.00	0.0	2.633	0.005	0	0	0	3
PL.6682	PD.1374	C	6 A (CWC)	7.21Y	120.2	0.00	4.75	0.63	0	4	1	97	0.00	0.0	2.685	0.051	0	0	1	3
PL.5399	PL.6682	C	6 A (CWC)	7.21Y	120.2	0.00	4.75	0.62	0	4	1	97	0.00	0.0	2.734	0.049	4	1	2	2
PL.6737	PL.6365	A	1/0 AL URD	7.21Y	120.2	0.00	4.75	0.65	0	5	1	98	0.00	0.0	2.633	0.004	0	0	0	1
PD.1406	PL.6737	A	30T	7.21Y	120.2	0.00	4.75	0.65	0	5	1	98	0.00	0.0	2.633	0.004	0	0	0	1
PL.6738	PD.1406	A	1/0 AL URD	7.21Y	120.2	0.00	4.75	0.65	0	5	1	98	0.00	0.0	2.661	0.028	5	1	1	1
PL.6693	PL.6401	C	#2 ACSR	7.23Y	120.4	0.00	4.56	0.87	0	6	1	99	0.00	0.0	2.374	0.005	0	0	0	2
PD.1380	PL.6693	C	65T	7.23Y	120.4	0.00	4.56	0.87	0	6	1	99	0.00	0.0	2.374	0.005	0	0	0	2
PL.6694	PD.1380	C	#2 ACSR	7.23Y	120.4	0.00	4.56	0.87	0	6	1	99	0.00	0.0	2.431	0.057	6	1	1	2
PL.5372	PL.6694	C	#4 ACSR	7.23Y	120.4	0.00	4.56	0.09	0	1	0	100	0.00	0.0	2.486	0.054	1	0	1	1

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.5371	PL.6249	ABC	#4/0 ACSR	7.23Y	120.5	0.05	4.49	114.26	34	2415	564	97	0.77	0.0	2.271	0.044	0	0	0	588
PL.6243	PL.5371	ABC	#4/0 ACSR	7.23Y	120.4	0.08	4.57	111.64	33	2358	551	97	1.17	0.0	2.342	0.071	14	3	3	578
PL.6244	PL.6243	ABC	#4/0 ACSR	7.22Y	120.4	0.06	4.62	110.96	33	2343	546	97	0.86	0.0	2.394	0.053	1	0	1	575
PL.6245	PL.6244	ABC	#4/0 ACSR	7.22Y	120.3	0.08	4.70	110.90	33	2340	544	97	1.11	0.0	2.462	0.068	10	2	3	574
PL.6240	PL.6245	ABC	#4/0 ACSR	7.22Y	120.3	0.04	4.74	110.42	32	2329	540	97	0.61	0.0	2.500	0.038	0	0	0	571
PL.5766	PL.6240	ABC	#4/0 ACSR	7.21Y	120.2	0.06	4.80	110.17	32	2323	538	97	0.80	0.0	2.549	0.050	0	0	0	570
PL.6599	PL.5766	C	6 A (CWC)	7.21Y	120.2	0.00	4.80	4.12	3	29	6	98	0.00	0.0	2.554	0.005	0	0	0	7
PD.1330	PL.6599	C	65T	7.21Y	120.2	0.00	4.80	4.12	0	29	6	98	0.00	0.0	2.554	0.005	0	0	0	7
PL.6600	PD.1330	C	6 A (CWC)	7.21Y	120.2	0.01	4.81	4.12	3	29	6	98	0.00	0.0	2.600	0.046	6	1	3	7
PL.5474	PL.6600	C	6 A (CWC)	7.21Y	120.2	0.00	4.81	3.30	2	23	5	98	0.00	0.0	2.613	0.013	0	0	0	4
PL.6241	PL.5474	C	6 A (CWC)	7.21Y	120.2	0.00	4.81	2.58	2	18	4	98	0.00	0.0	2.653	0.040	8	2	1	3
PL.6242	PL.6241	C	6 A (CWC)	7.21Y	120.2	0.00	4.81	1.49	1	10	2	98	0.00	0.0	2.672	0.019	10	2	2	2
PL.5475	PL.5474	C	6 A (CWC)	7.21Y	120.2	0.00	4.81	0.73	1	5	1	98	0.00	0.0	2.669	0.056	5	1	1	1
PL.5767	PL.5766	ABC	#4/0 ACSR	7.21Y	120.1	0.06	4.86	108.80	32	2293	530	97	0.83	0.0	2.602	0.053	3	1	1	563
PL.6021	PL.5767	ABC	#4/0 ACSR	7.21Y	120.1	0.02	4.87	108.53	32	2287	528	97	0.23	0.0	2.617	0.015	18	4	1	561
PL.6430	PL.6021	ABC	#1/0 ACSR	7.21Y	120.1	0.03	4.90	16.43	7	348	74	98	0.07	0.0	2.718	0.101	1	0	1	96
PL.6431	PL.6430	ABC	#1/0 ACSR	7.21Y	120.1	0.01	4.91	16.37	7	346	73	98	0.02	0.0	2.745	0.027	0	0	1	95
PL.6832	PL.6431	ABC	#1/0 ACSR	7.20Y	120.1	0.01	4.92	16.37	7	346	73	98	0.03	0.0	2.782	0.037	0	0	0	94
PL.7203	PL.6832	ABC	#1/0 ACSR	7.20Y	120.1	0.00	4.92	16.37	7	346	73	98	0.00	0.0	2.784	0.002	0	0	0	94
PD.1546	PL.7203	ABC	50L	7.20Y	120.1	0.00	4.92	16.37	33	346	73	98	0.00	0.0	2.784	0.002	0	0	0	94
PL.7204	PD.1546	ABC	#1/0 ACSR	7.20Y	120.1	0.01	4.93	16.37	7	346	73	98	0.03	0.0	2.829	0.045	3	1	1	94
PL.6428	PL.7204	ABC	#1/0 ACSR	7.20Y	120.0	0.03	4.96	15.81	7	334	71	98	0.07	0.0	2.932	0.103	8	2	1	90
PL.6429	PL.6428	ABC	#1/0 ACSR	7.20Y	120.0	0.01	4.97	15.43	7	326	69	98	0.02	0.0	2.972	0.039	10	2	2	89
PL.6427	PL.6429	ABC	#1/0 ACSR	7.20Y	120.0	0.01	4.98	14.97	7	317	67	98	0.03	0.0	3.020	0.049	0	0	1	87
PL.6426	PL.6427	ABC	#1/0 ACSR	7.20Y	120.0	0.04	5.03	14.97	7	317	67	98	0.09	0.0	3.178	0.158	5	1	2	86
PL.6425	PL.6426	ABC	#1/0 ACSR	7.20Y	120.0	0.01	5.04	14.72	6	311	66	98	0.03	0.0	3.234	0.056	1	0	1	84
PL.6424	PL.6425	ABC	#1/0 ACSR	7.20Y	119.9	0.02	5.06	14.69	6	310	65	98	0.04	0.0	3.305	0.071	0	0	0	83
PL.6038	PL.6424	ABC	#1/0 ACSR	7.20Y	119.9	0.02	5.08	14.21	6	300	63	98	0.05	0.0	3.396	0.091	8	2	1	82
PL.6703	PL.6038	B	#2 ACSR	7.20Y	119.9	0.00	5.08	0.84	0	6	1	99	0.00	0.0	3.401	0.005	0	0	0	1
PD.1385	PL.6703	B	20T	7.20Y	119.9	0.00	5.08	0.84	0	6	1	99	0.00	0.0	3.401	0.005	0	0	0	1
PL.6704	PD.1385	B	#2 ACSR	7.20Y	119.9	0.00	5.08	0.84	0	6	1	99	0.00	0.0	3.425	0.024	6	1	1	1

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

Balanced Voltage Drop Report
Source: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.6039	PL.6038	ABC	#1/0 ACSR	7.19Y	119.9	0.02	5.10	13.53	6	286	60	98	0.04	0.0	3.470	0.074	0	0	0	80
PL.6421	PL.6039	ABC	#1/0 ACSR	7.19Y	119.9	0.02	5.11	12.39	5	262	55	98	0.03	0.0	3.550	0.079	1	0	1	75
PL.6422	PL.6421	ABC	#1/0 ACSR	7.19Y	119.9	0.01	5.12	12.36	5	261	55	98	0.02	0.0	3.591	0.041	10	2	2	74
PL.6420	PL.6422	ABC	#1/0 ACSR	7.19Y	119.9	0.01	5.14	11.89	5	251	53	98	0.03	0.0	3.662	0.071	16	3	2	72
PL.6051	PL.6420	ABC	#1/0 ACSR	7.19Y	119.9	0.01	5.15	10.58	5	223	47	98	0.02	0.0	3.726	0.064	10	2	2	66
PL.6417	PL.6051	ABC	#1/0 ACSR	7.19Y	119.8	0.00	5.15	9.42	4	199	42	98	0.01	0.0	3.751	0.025	8	2	1	61
PL.6418	PL.6417	ABC	#1/0 ACSR	7.19Y	119.8	0.01	5.16	9.05	4	191	40	98	0.01	0.0	3.801	0.051	6	1	2	60
PL.6416	PL.6418	ABC	#1/0 ACSR	7.19Y	119.8	0.01	5.17	8.75	4	185	39	98	0.01	0.0	3.835	0.034	1	0	1	58
PL.6415	PL.6416	ABC	#1/0 ACSR	7.19Y	119.8	0.01	5.18	8.69	4	184	39	98	0.01	0.0	3.897	0.062	2	0	1	57
PL.6414	PL.6415	ABC	#1/0 ACSR	7.19Y	119.8	0.01	5.19	8.62	4	182	38	98	0.01	0.0	3.970	0.073	0	0	1	56
PL.5516	PL.6414	ABC	#1/0 ACSR	7.19Y	119.8	0.01	5.20	8.27	4	174	37	98	0.02	0.0	4.059	0.089	10	2	7	54
PL.6070	PL.5516	ABC	#1/0 ACSR	7.19Y	119.8	0.02	5.22	6.90	3	146	31	98	0.02	0.0	4.204	0.145	7	2	6	45
PL.6695	PL.6070	C	6 A (CWC)	7.19Y	119.8	0.00	5.22	8.00	6	56	12	98	0.00	0.0	4.208	0.005	0	0	0	18
PD.1381	PL.6695	C	20T	7.19Y	119.8	0.00	5.22	8.00	0	56	12	98	0.00	0.0	4.208	0.005	0	0	0	18
PL.6696	PD.1381	C	6 A (CWC)	7.18Y	119.7	0.04	5.26	8.00	6	56	12	98	0.02	0.0	4.324	0.116	8	2	2	18
PL.6083	PL.6696	C	#2 ACSR	7.18Y	119.7	0.01	5.26	6.92	4	49	10	98	0.00	0.0	4.367	0.043	2	0	2	16
PL.6408	PL.6083	C	#4 ACSR	7.18Y	119.7	0.01	5.28	5.23	4	37	8	98	0.00	0.0	4.419	0.052	1	0	1	10
PL.6409	PL.6408	C	#4 ACSR	7.18Y	119.7	0.01	5.28	5.09	4	36	8	98	0.00	0.0	4.447	0.028	7	1	1	9
PL.6407	PL.6409	C	#4 ACSR	7.18Y	119.7	0.01	5.29	4.16	3	29	6	98	0.00	0.0	4.486	0.038	0	0	0	8
PL.5770	PL.6407	C	#4 ACSR	7.18Y	119.7	0.00	5.29	3.07	2	22	5	98	0.00	0.0	4.511	0.025	12	3	3	5
PL.5486	PL.5770	C	6 A (CWC)	7.18Y	119.7	0.00	5.30	1.37	1	10	2	98	0.00	0.0	4.588	0.076	0	0	1	2
PL.5488	PL.5486	C	#2 ACSR	7.18Y	119.7	0.00	5.30	1.37	1	10	2	98	0.00	0.0	4.639	0.052	10	2	1	1
PL.6405	PL.6407	C	#4 ACSR	7.18Y	119.7	0.00	5.29	1.09	1	8	2	97	0.00	0.0	4.513	0.027	1	0	2	3
PL.6406	PL.6405	C	#4 ACSR	7.18Y	119.7	0.00	5.29	0.99	1	7	1	99	0.00	0.0	4.540	0.027	0	0	0	1
PL.5487	PL.6406	C	6 A (CWC)	7.18Y	119.7	0.00	5.29	0.99	1	7	1	99	0.00	0.0	4.566	0.026	7	1	1	1
PL.6403	PL.6083	C	#2 ACSR	7.18Y	119.7	0.00	5.27	1.41	1	10	2	98	0.00	0.0	4.428	0.061	6	1	2	4
PL.6404	PL.6403	C	#2 ACSR	7.18Y	119.7	0.00	5.27	0.63	0	4	1	97	0.00	0.0	4.509	0.080	4	1	2	2
PL.6402	PL.6404	C	#2 ACSR	7.18Y	119.7	0.00	5.27	0.00	0	0	0	100	0.00	0.0	4.532	0.024	0	0	0	0
PL.6769	PL.6070	A	6 A (CWC)	7.19Y	119.8	0.00	5.22	11.65	8	82	17	98	0.00	0.0	4.209	0.005	0	0	0	21
PD.1422	PL.6769	A	20T	7.19Y	119.8	0.00	5.22	11.65	0	82	17	98	0.00	0.0	4.209	0.005	0	0	0	21
PL.6770	PD.1422	A	6 A (CWC)	7.19Y	119.8	0.02	5.24	11.65	8	82	17	98	0.01	0.0	4.250	0.041	7	1	1	21

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: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.6412	PL.6770	A	#4 ACSR	7.19Y	119.8	0.01	5.25	2.42	2	17	4	97	0.00	0.0	4.327	0.078	4	1	1	2
PL.6413	PL.6412	A	#4 ACSR	7.18Y	119.7	0.00	5.25	1.91	1	13	3	97	0.00	0.0	4.434	0.107	13	3	1	1
PL.5508	PL.6770	A	6 A (CWC)	7.18Y	119.7	0.03	5.27	8.27	6	58	12	98	0.01	0.0	4.343	0.093	6	1	2	18
PL.5492	PL.5508	A	#4 ACSR	7.18Y	119.7	0.00	5.27	0.00	0	0	0	100	0.00	0.0	4.385	0.042	0	0	0	0
PL.5484	PL.5508	A	6 A (CWC)	7.18Y	119.7	0.00	5.27	0.53	0	4	1	97	0.00	0.0	4.399	0.057	4	1	1	1
PL.5509	PL.5508	A	6 A (CWC)	7.18Y	119.7	0.03	5.30	6.91	5	49	10	98	0.01	0.0	4.439	0.096	6	1	2	15
PL.5482	PL.5509	A	#1/0 ACSR	7.18Y	119.7	0.00	5.30	2.37	1	17	3	98	0.00	0.0	4.464	0.025	17	3	5	5
PL.5485	PL.5509	A	6 A (CWC)	7.18Y	119.7	0.01	5.31	1.35	1	9	2	98	0.00	0.0	4.565	0.127	3	1	1	6
PL.5494	PL.5485	A	#4 ACSR	7.18Y	119.7	0.01	5.31	0.96	1	7	1	99	0.00	0.0	4.721	0.156	0	0	0	5
PL.5483	PL.5494	A	6 A (CWC)	7.18Y	119.7	0.00	5.31	0.00	0	0	0	100	0.00	0.0	4.789	0.067	0	0	0	0
PL.5769	PL.5494	A	#4 ACSR	7.18Y	119.7	0.00	5.31	0.96	1	7	1	99	0.00	0.0	4.783	0.062	7	1	5	5
PL.5493	PL.5509	A	#4 ACSR	7.18Y	119.7	0.00	5.30	2.34	2	16	3	98	0.00	0.0	4.485	0.047	8	2	1	2
PL.6410	PL.5493	A	6 A (CWC)	7.18Y	119.7	0.00	5.30	1.13	1	8	2	97	0.00	0.0	4.514	0.029	8	2	1	1
PL.6411	PL.6410	A	6 A (CWC)	7.18Y	119.7	0.00	5.30	0.00	0	0	0	100	0.00	0.0	4.552	0.038	0	0	0	0
PL.6697	PL.5516	C	#2 ACSR	7.19Y	119.8	0.00	5.20	2.66	2	19	4	98	0.00	0.0	4.064	0.005	0	0	0	2
PD.1382	PL.6697	C	20T	7.19Y	119.8	0.00	5.20	2.66	0	19	4	98	0.00	0.0	4.064	0.005	0	0	0	2
PL.6698	PD.1382	C	#2 ACSR	7.19Y	119.8	0.00	5.20	2.66	2	19	4	98	0.00	0.0	4.104	0.040	0	0	0	2
PL.5768	PL.6698	C	#2 ACSR	7.19Y	119.8	0.00	5.20	0.59	0	4	1	97	0.00	0.0	4.140	0.036	4	1	1	1
PL.5481	PL.6698	C	#1/0 ACSR	7.19Y	119.8	0.00	5.20	2.07	1	15	3	98	0.00	0.0	4.163	0.060	15	3	1	1
PL.6699	PL.6414	A	#4 ACSR	7.19Y	119.8	0.00	5.19	1.04	1	7	2	96	0.00	0.0	3.975	0.005	0	0	0	1
PD.1383	PL.6699	A	20T	7.19Y	119.8	0.00	5.19	1.04	0	7	2	96	0.00	0.0	3.975	0.005	0	0	0	1
PL.6700	PD.1383	A	#4 ACSR	7.19Y	119.8	0.00	5.19	1.04	1	7	2	96	0.00	0.0	4.043	0.069	7	2	1	1
PL.6767	PL.6051	A	#4 ACSR	7.19Y	119.9	0.00	5.15	2.14	2	15	3	98	0.00	0.0	3.731	0.005	0	0	0	3
PD.1421	PL.6767	A	20T	7.19Y	119.9	0.00	5.15	2.14	0	15	3	98	0.00	0.0	3.731	0.005	0	0	0	3
PL.6768	PD.1421	A	#4 ACSR	7.19Y	119.8	0.00	5.15	2.14	2	15	3	98	0.00	0.0	3.793	0.063	5	1	1	3
PL.6054	PL.6768	A	#4 ACSR	7.19Y	119.8	0.00	5.15	0.54	0	4	1	97	0.00	0.0	3.843	0.049	4	1	1	1
PL.5478	PL.6768	A	#4 ACSR	7.19Y	119.8	0.00	5.16	0.81	1	6	1	99	0.00	0.0	3.834	0.041	6	1	1	1
PL.6765	PL.6420	C	#4 ACSR	7.19Y	119.9	0.00	5.14	1.69	1	12	2	99	0.00	0.0	3.667	0.005	0	0	0	4
PD.1420	PL.6765	C	20T	7.19Y	119.9	0.00	5.14	1.69	0	12	2	99	0.00	0.0	3.667	0.005	0	0	0	4
PL.6766	PD.1420	C	#4 ACSR	7.19Y	119.9	0.01	5.14	1.69	1	12	2	99	0.00	0.0	3.787	0.120	5	1	2	4
PL.6419	PL.6766	C	#4 ACSR	7.19Y	119.9	0.00	5.15	0.91	1	6	1	99	0.00	0.0	3.820	0.033	6	1	2	2

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Balanced Voltage Drop Report
Source: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.6763	PL.6039	A	6 A (CWC)	7.19Y	119.9	0.00	5.10	1.55	1	11	2	98	0.00	0.0	3.475	0.005	0	0	0	3
PD.1419	PL.6763	A	20T	7.19Y	119.9	0.00	5.10	1.55	0	11	2	98	0.00	0.0	3.475	0.005	0	0	0	3
PL.6764	PD.1419	A	6 A (CWC)	7.19Y	119.9	0.00	5.10	1.55	1	11	2	98	0.00	0.0	3.569	0.094	11	2	2	3
PL.6423	PL.6764	A	6 A (CWC)	7.19Y	119.9	0.00	5.10	0.00	0	0	0	100	0.00	0.0	3.601	0.032	0	0	0	1
PL.5477	PL.6423	A	#4 ACSR	7.19Y	119.9	0.00	5.10	0.00	0	0	0	100	0.00	0.0	3.656	0.055	0	0	1	1
PL.6701	PL.6039	C	6 A (CWC)	7.19Y	119.9	0.00	5.10	1.88	1	13	3	97	0.00	0.0	3.475	0.005	0	0	0	2
PD.1384	PL.6701	C	20T	7.19Y	119.9	0.00	5.10	1.88	0	13	3	97	0.00	0.0	3.475	0.005	0	0	0	2
PL.6702	PD.1384	C	6 A (CWC)	7.19Y	119.9	0.00	5.10	1.88	1	13	3	97	0.00	0.0	3.499	0.024	13	3	2	2
PL.6705	PL.6424	C	#2 ACSR	7.20Y	119.9	0.00	5.06	1.43	1	10	2	98	0.00	0.0	3.310	0.005	0	0	0	1
PD.1386	PL.6705	C	20T	7.20Y	119.9	0.00	5.06	1.43	0	10	2	98	0.00	0.0	3.310	0.005	0	0	0	1
PL.6706	PD.1386	C	#2 ACSR	7.20Y	119.9	0.00	5.06	1.43	1	10	2	98	0.00	0.0	3.346	0.036	10	2	1	1
PL.6707	PL.7204	A	#4 ACSR	7.20Y	120.1	0.00	4.93	1.19	1	8	2	97	0.00	0.0	2.834	0.005	0	0	0	3
PD.1387	PL.6707	A	20T	7.20Y	120.1	0.00	4.93	1.19	0	8	2	97	0.00	0.0	2.834	0.005	0	0	0	3
PL.6708	PD.1387	A	#4 ACSR	7.20Y	120.1	0.00	4.94	1.19	1	8	2	97	0.00	0.0	2.886	0.052	8	2	3	3
PL.5476	PL.6021	ABC	6 A (CWC)	7.21Y	120.1	0.00	4.87	0.78	1	16	3	98	0.00	0.0	2.671	0.054	16	3	5	5
PL.6022	PL.6021	ABC	#4/0 ACSR	7.21Y	120.1	0.02	4.89	90.49	27	1905	447	97	0.25	0.0	2.640	0.023	7	1	1	459
PL.6237	PL.6022	ABC	#4/0 ACSR	7.20Y	120.0	0.07	4.96	90.16	27	1898	445	97	0.83	0.0	2.717	0.077	9	2	2	458
PL.6238	PL.6237	ABC	#4/0 ACSR	7.20Y	119.9	0.10	5.06	89.74	26	1888	441	97	1.17	0.1	2.825	0.108	0	0	0	456
PL.6235	PL.6238	ABC	#4/0 ACSR	7.19Y	119.9	0.08	5.15	89.43	26	1880	438	97	1.00	0.1	2.919	0.093	1	0	1	454
PL.6236	PL.6235	ABC	#4/0 ACSR	7.19Y	119.8	0.10	5.24	89.37	26	1878	436	97	1.13	0.1	3.025	0.106	16	3	3	453
PL.7206	PL.6236	A	#2 ACSR	7.19Y	119.8	0.00	5.24	0.00	0	0	0	100	0.00	0.0	3.030	0.005	0	0	0	0
PL.6591	PL.6236	C	#4 ACSR	7.19Y	119.8	0.00	5.24	1.55	1	11	2	98	0.00	0.0	3.030	0.005	0	0	0	2
PD.1326	PL.6591	C	65T	7.19Y	119.8	0.00	5.24	1.55	0	11	2	98	0.00	0.0	3.030	0.005	0	0	0	2
PL.6592	PD.1326	C	#4 ACSR	7.19Y	119.8	0.00	5.25	1.55	1	11	2	98	0.00	0.0	3.057	0.028	11	2	2	2
PL.6028	PL.6236	ABC	#4/0 ACSR	7.18Y	119.7	0.05	5.29	88.08	26	1850	428	97	0.54	0.0	3.077	0.052	0	0	0	448
PL.6593	PL.6028	C	#2 ACSR	7.18Y	119.7	0.00	5.29	2.66	2	19	4	98	0.00	0.0	3.082	0.004	0	0	0	4
PD.1327	PL.6593	C	65T	7.18Y	119.7	0.00	5.29	2.66	0	19	4	98	0.00	0.0	3.082	0.004	0	0	0	4
PL.6594	PD.1327	C	#2 ACSR	7.18Y	119.7	0.00	5.29	2.66	2	19	4	98	0.00	0.0	3.108	0.026	8	2	2	4
PL.6218	PL.6594	C	#2 ACSR	7.18Y	119.7	0.00	5.29	1.46	1	10	2	98	0.00	0.0	3.141	0.033	10	2	2	2
PL.5771	PL.6028	ABC	#4/0 ACSR	7.18Y	119.6	0.09	5.38	87.19	26	1831	423	97	1.03	0.1	3.179	0.101	0	0	0	444
PL.6771	PL.5771	A	6 A (CWC)	7.18Y	119.6	0.00	5.38	1.56	1	11	2	98	0.00	0.0	3.184	0.005	0	0	0	2

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Balanced Voltage Drop Report
Source: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.1423	PL.6771	A	65T	7.18Y	119.6	0.00	5.38	1.56	0	11	2	98	0.00	0.0	3.184	0.005	0	0	0	2
PL.6772	PD.1423	A	6 A (CWC)	7.18Y	119.6	0.00	5.38	1.56	1	11	2	98	0.00	0.0	3.232	0.048	11	2	2	2
PL.6589	PL.5771	C	6 A (CWC)	7.18Y	119.6	0.00	5.38	0.57	0	4	1	97	0.00	0.0	3.183	0.005	0	0	0	1
PD.1325	PL.6589	C	65T	7.18Y	119.6	0.00	5.38	0.57	0	4	1	97	0.00	0.0	3.183	0.005	0	0	0	1
PL.6590	PD.1325	C	6 A (CWC)	7.18Y	119.6	0.00	5.38	0.57	0	4	1	97	0.00	0.0	3.207	0.023	4	1	1	1
PL.6032	PL.5771	ABC	#4/0 ACSR	7.17Y	119.6	0.07	5.45	86.48	25	1815	418	97	0.74	0.0	3.253	0.074	3	1	1	441
PL.6587	PL.6032	C	#4 ACSR	7.17Y	119.6	0.00	5.45	2.92	2	21	4	98	0.00	0.0	3.258	0.005	0	0	0	4
PD.1324	PL.6587	C	65T	7.17Y	119.6	0.00	5.45	2.92	0	21	4	98	0.00	0.0	3.258	0.005	0	0	0	4
PL.6588	PD.1324	C	#4 ACSR	7.17Y	119.6	0.00	5.45	2.92	2	21	4	98	0.00	0.0	3.286	0.028	21	4	4	4
PL.6033	PL.6032	ABC	#4/0 ACSR	7.17Y	119.6	0.00	5.45	85.38	25	1791	412	97	0.03	0.0	3.256	0.003	0	0	0	436
PL.5489	PL.6033	ABC	#4/0 ACSR	7.17Y	119.5	0.08	5.53	85.38	25	1791	412	97	0.88	0.0	3.347	0.090	0	0	0	436
PL.6585	PL.5489	A	#4 ACSR	7.17Y	119.5	0.00	5.53	0.07	0	1	0	100	0.00	0.0	3.351	0.005	0	0	0	1
PD.1323	PL.6585	A	65T	7.17Y	119.5	0.00	5.53	0.07	0	1	0	100	0.00	0.0	3.351	0.005	0	0	0	1
PL.6586	PD.1323	A	#4 ACSR	7.17Y	119.5	0.00	5.53	0.07	0	1	0	100	0.00	0.0	3.392	0.041	1	0	1	1
PL.6217	PL.6586	A	#4 ACSR	7.17Y	119.5	0.00	5.53	0.00	0	0	0	100	0.00	0.0	3.455	0.063	0	0	0	0
PL.5772	PL.5489	ABC	#4/0 ACSR	7.16Y	119.4	0.08	5.60	85.35	25	1789	410	97	0.86	0.0	3.435	0.088	7	1	1	435
PL.5497	PL.5772	A	6 A (CWC)	7.16Y	119.4	0.00	5.61	22.95	16	161	34	98	0.00	0.0	3.438	0.003	0	0	0	38
PD.1452	PL.5497	A	50L	7.16Y	119.4	0.00	5.61	22.95	46	161	34	98	0.00	0.0	3.438	0.003	0	0	0	38
PL.6034	PD.1452	A	6 A (CWC)	7.16Y	119.4	0.00	5.61	0.04	0	0	0	100	0.00	0.0	3.442	0.004	0	0	0	1
PL.5491	PL.6034	A	6 A (CWC)	7.16Y	119.4	0.00	5.61	0.04	0	0	0	100	0.00	0.0	3.527	0.085	0	0	1	1
PL.6192	PD.1452	A	6 A (CWC)	7.16Y	119.3	0.08	5.69	22.91	16	161	34	98	0.10	0.1	3.523	0.085	10	2	2	37
PL.6193	PL.6192	A	6 A (CWC)	7.16Y	119.3	0.05	5.74	21.46	15	150	32	98	0.06	0.0	3.573	0.051	0	0	0	35
PL.6188	PL.6193	A	6 A (CWC)	7.15Y	119.2	0.06	5.79	21.46	15	150	32	98	0.06	0.0	3.632	0.059	6	1	2	35
PL.5499	PL.6188	A	#2 ACSR	7.15Y	119.2	0.00	5.79	0.49	0	3	1	95	0.00	0.0	3.691	0.059	3	1	1	1
PL.6189	PL.6188	A	6 A (CWC)	7.15Y	119.2	0.02	5.81	9.93	7	70	15	98	0.01	0.0	3.668	0.036	3	1	1	18
PL.6190	PL.6189	A	6 A (CWC)	7.15Y	119.2	0.02	5.83	9.44	7	66	14	98	0.01	0.0	3.718	0.050	3	1	1	17
PL.6191	PL.6190	A	6 A (CWC)	7.15Y	119.2	0.01	5.84	9.07	6	63	13	98	0.01	0.0	3.747	0.029	0	0	0	16
PL.6179	PL.6191	A	6 A (CWC)	7.15Y	119.1	0.01	5.86	7.41	5	52	11	98	0.01	0.0	3.793	0.046	10	2	2	10
PL.6180	PL.6179	A	6 A (CWC)	7.15Y	119.1	0.02	5.88	6.00	4	42	9	98	0.01	0.0	3.883	0.090	0	0	1	8
PL.6181	PL.6180	A	6 A (CWC)	7.15Y	119.1	0.02	5.90	5.96	4	42	9	98	0.01	0.0	3.958	0.076	12	3	2	7
PL.6182	PL.6181	A	#1/0 ACSR	7.15Y	119.1	0.00	5.90	2.77	1	19	4	98	0.00	0.0	3.999	0.041	10	2	2	3

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Balanced Voltage Drop Report
Source: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.6183	PL.6182	A	#1/0 ACSR	7.15Y	119.1	0.00	5.90	1.31	1	9	2	98	0.00	0.0	4.036	0.037	9	2	1	1
PL.6050	PL.6181	A	6 A (CWC)	7.15Y	119.1	0.00	5.90	1.49	1	10	2	98	0.00	0.0	4.026	0.068	10	2	2	2
PL.5501	PL.6191	A	6 A (CWC)	7.15Y	119.2	0.00	5.85	1.66	1	12	2	99	0.00	0.0	3.836	0.089	12	2	4	6
PL.5502	PL.5501	A	#4 ACSR	7.15Y	119.2	0.00	5.85	0.00	0	0	0	100	0.00	0.0	3.874	0.037	0	0	2	2
PL.6186	PL.6188	A	6 A (CWC)	7.15Y	119.2	0.05	5.85	10.12	7	71	15	98	0.03	0.0	3.745	0.113	0	0	0	14
PL.6187	PL.6186	A	6 A (CWC)	7.15Y	119.1	0.02	5.87	10.12	7	71	15	98	0.01	0.0	3.789	0.044	0	0	0	14
PL.5500	PL.6187	A	#2 ACSR	7.15Y	119.1	0.00	5.87	0.59	0	4	1	97	0.00	0.0	3.825	0.036	4	1	1	1
PL.6184	PL.6187	A	6 A (CWC)	7.14Y	119.1	0.06	5.92	9.53	7	67	14	98	0.03	0.0	3.935	0.146	6	1	2	13
PL.6185	PL.6184	A	6 A (CWC)	7.14Y	119.0	0.03	5.95	8.62	6	60	13	98	0.01	0.0	4.005	0.070	6	1	2	11
PL.6176	PL.6185	A	6 A (CWC)	7.14Y	119.0	0.05	6.00	7.73	6	54	11	98	0.02	0.0	4.136	0.131	0	0	0	9
PL.6177	PL.6176	A	6 A (CWC)	7.14Y	119.0	0.02	6.02	7.73	6	54	11	98	0.01	0.0	4.206	0.069	10	2	1	9
PL.6178	PL.6177	A	6 A (CWC)	7.14Y	119.0	0.02	6.03	6.27	4	44	9	98	0.01	0.0	4.259	0.054	0	0	0	8
PL.5503	PL.6178	A	#4 ACSR	7.14Y	119.0	0.00	6.03	0.13	0	1	0	100	0.00	0.0	4.366	0.107	0	0	0	1
PL.5844	PL.5503	A	#4 ACSR	7.14Y	119.0	0.00	6.03	0.13	0	1	0	100	0.00	0.0	4.484	0.118	1	0	1	1
PL.5773	PL.6178	A	6 A (CWC)	7.14Y	118.9	0.03	6.06	6.15	4	43	9	98	0.01	0.0	4.358	0.099	0	0	0	7
PL.5845	PL.5773	A	6 A (CWC)	7.13Y	118.9	0.03	6.09	6.15	4	43	9	98	0.01	0.0	4.461	0.102	0	0	0	7
PL.6027	PL.5845	A	6 A (CWC)	7.13Y	118.9	0.02	6.11	6.15	4	43	9	98	0.01	0.0	4.533	0.072	0	0	0	7
PL.6029	PL.6027	A	6 A (CWC)	7.13Y	118.9	0.01	6.12	5.43	4	38	8	98	0.00	0.0	4.593	0.060	3	1	1	6
PL.6164	PL.6029	A	6 A (CWC)	7.13Y	118.9	0.01	6.13	4.11	3	29	6	98	0.00	0.0	4.666	0.073	8	2	1	3
PL.6165	PL.6164	A	6 A (CWC)	7.13Y	118.9	0.01	6.14	2.93	2	20	4	98	0.00	0.0	4.725	0.059	0	0	0	2
PL.5273	PL.6165	A	#1/0 ACSR	7.13Y	118.9	0.00	6.14	1.62	1	11	2	98	0.00	0.0	4.791	0.065	11	2	1	1
PL.6030	PL.6165	A	6 A (CWC)	7.13Y	118.9	0.00	6.14	1.32	1	9	2	98	0.00	0.0	4.755	0.029	9	2	1	1
PL.5272	PL.6029	A	#2 ACSR	7.13Y	118.9	0.00	6.12	0.93	1	6	1	99	0.00	0.0	4.642	0.049	6	1	2	2
PL.5270	PL.6027	A	#4 ACSR	7.13Y	118.9	0.00	6.11	0.71	1	5	1	98	0.00	0.0	4.558	0.025	5	1	1	1
PL.5271	PL.5845	A	#4 ACSR	7.13Y	118.9	0.00	6.09	0.00	0	0	0	100	0.00	0.0	4.497	0.036	0	0	0	0
PL.5498	PL.5772	ABC	#4/0 ACSR	7.15Y	119.1	0.27	5.87	77.39	23	1621	373	97	2.77	0.2	3.781	0.346	0	0	0	396
PL.6575	PL.5498	A	#4 ACSR	7.15Y	119.1	0.00	5.87	1.03	1	7	2	96	0.00	0.0	3.786	0.005	0	0	0	1
PD.1318	PL.6575	A	65T	7.15Y	119.1	0.00	5.87	1.03	0	7	2	96	0.00	0.0	3.786	0.005	0	0	0	1
PL.6576	PD.1318	A	#4 ACSR	7.15Y	119.1	0.00	5.88	1.03	1	7	2	96	0.00	0.0	3.843	0.058	7	2	1	1
PL.5774	PL.5498	ABC	#4/0 ACSR	7.14Y	119.1	0.07	5.95	77.05	23	1611	367	98	0.76	0.0	3.876	0.095	0	0	0	395
PL.6577	PL.5774	C	#4 ACSR	7.14Y	119.1	0.00	5.95	1.17	1	8	2	97	0.00	0.0	3.881	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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PD.1319	PL.6577	C	65T	7.14Y	119.1	0.00	5.95	1.17	0	8	2	97	0.00	0.0	3.881	0.005	0	0	0	2	
PL.6578	PD.1319	C	#4 ACSR	7.14Y	119.1	0.00	5.95	1.17	1	8	2	97	0.00	0.0	3.938	0.057	8	2	2	2	
PL.5775	PL.5774	ABC	#4/0 ACSR	7.13Y	118.9	0.14	6.09	76.66	23	1602	364	98	1.45	0.1	4.062	0.185	0	0	1	393	
PL.6201	PL.5775	ABC	#4/0 ACSR	7.13Y	118.8	0.08	6.17	76.65	23	1600	361	98	0.79	0.0	4.162	0.101	0	0	0	392	
PL.5274	PL.6201	ABC	#4/0 ACSR	7.13Y	118.8	0.06	6.23	68.36	20	1424	332	97	0.55	0.0	4.251	0.089	5	1	2	353	
PL.6811	PL.5274	A	#4 ACSR	7.13Y	118.8	0.01	6.24	54.11	42	377	81	98	0.02	0.0	4.253	0.003	0	0	0	63	
C PD.1445	PL.6811	A	50L	7.13Y	118.8	0.00	6.24	54.11	108	377	81	98	0.00	0.0	4.253	0.003	0	0	0	63	C
PL.6812	PD.1445	A	#4 ACSR	7.10Y	118.3	0.49	6.72	54.11	42	377	81	98	1.44	0.4	4.458	0.205	0	0	0	63	
PL.5275	PL.6812	A	#1/0 ACSR	7.10Y	118.3	0.00	6.72	1.54	1	11	2	98	0.00	0.0	4.485	0.027	11	2	1	1	
PL.6202	PL.6812	A	6 A (CWC)	7.10Y	118.3	0.00	6.73	1.15	1	8	2	97	0.00	0.0	4.555	0.096	0	0	0	2	
PL.6203	PL.6202	A	6 A (CWC)	7.10Y	118.3	0.00	6.73	1.15	1	8	2	97	0.00	0.0	4.603	0.048	8	2	2	2	
L PL.5276	PL.6812	A	#4 ACSR	7.03Y	117.1	1.19	7.91	51.42	40	357	77	98	3.35	0.9	4.986	0.528	0	0	0	60	L
L PL.5278	PL.5276	A	6 A (CWC)	7.02Y	117.1	0.01	7.92	1.21	1	8	2	97	0.00	0.0	5.097	0.111	0	0	0	2	L
L PL.5280	PL.5278	A	6 A (CWC)	7.02Y	117.1	0.00	7.92	0.54	0	4	1	97	0.00	0.0	5.186	0.089	0	0	0	1	L
L PL.5281	PL.5280	A	#1/0 ACSR	7.02Y	117.1	0.00	7.92	0.54	0	4	1	97	0.00	0.0	5.223	0.037	4	1	1	1	L
L PL.6094	PL.5278	A	6 A (CWC)	7.02Y	117.1	0.00	7.92	0.67	0	5	1	98	0.00	0.0	5.171	0.073	5	1	1	1	L
L PL.6095	PL.5276	A	#4 ACSR	7.01Y	116.8	0.31	8.22	50.21	39	345	73	98	0.85	0.2	5.128	0.142	4	1	3	58	L
L PL.5277	PL.6095	A	6 A (CWC)	7.01Y	116.8	0.00	8.22	0.00	0	0	0	100	0.00	0.0	5.264	0.136	0	0	0	0	L
L PL.6096	PL.6095	A	#4 ACSR	6.99Y	116.6	0.20	8.42	49.68	38	341	72	98	0.54	0.2	5.219	0.091	0	0	0	55	L
L PL.5279	PL.6096	A	#4 ACSR	6.99Y	116.6	0.00	8.42	3.54	3	24	5	98	0.00	0.0	5.230	0.010	0	0	0	2	L
L PL.6573	PL.5279	A	1/0 AL URD	6.99Y	116.6	0.00	8.42	3.54	2	24	5	98	0.00	0.0	5.234	0.005	0	0	0	2	L
L PD.1317	PL.6573	A	20T	6.99Y	116.6	0.00	8.42	3.54	0	24	5	98	0.00	0.0	5.234	0.005	0	0	0	2	L
L PL.6574	PD.1317	A	1/0 AL URD	6.99Y	116.6	0.00	8.42	3.54	2	24	5	98	0.00	0.0	5.277	0.043	24	5	2	2	L
L PL.6092	PL.6096	A	#4 ACSR	6.98Y	116.3	0.29	8.71	46.14	35	316	66	98	0.72	0.2	5.362	0.142	2	0	1	53	L
L PL.6227	PL.6092	A	#1/0 ACSR	6.98Y	116.3	0.02	8.73	13.53	6	92	19	98	0.02	0.0	5.446	0.085	4	1	1	21	L
L PL.6228	PL.6227	A	#1/0 ACSR	6.98Y	116.3	0.01	8.74	12.97	6	89	19	98	0.01	0.0	5.480	0.033	0	0	0	20	L
L PL.5283	PL.6228	A	#4 ACSR	6.97Y	116.2	0.02	8.76	11.31	9	77	16	98	0.01	0.0	5.515	0.036	3	1	2	19	L
L PL.5287	PL.5283	A	#1/0 ACSR	6.97Y	116.2	0.01	8.77	10.88	5	74	16	98	0.01	0.0	5.558	0.042	0	0	0	17	L
L PL.6209	PL.5287	A	#2 ACSR	6.97Y	116.2	0.00	8.77	2.40	1	16	3	98	0.00	0.0	5.591	0.033	4	1	1	4	L
L PL.6210	PL.6209	A	#2 ACSR	6.97Y	116.2	0.00	8.77	1.84	1	13	3	97	0.00	0.0	5.632	0.042	0	0	0	3	L
L PL.5288	PL.6210	A	#2 ACSR	6.97Y	116.2	0.00	8.77	0.75	0	5	1	98	0.00	0.0	5.759	0.127	5	1	1	1	L

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

Balanced Voltage Drop Report
Source: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PL.6207	PL.6210	A	#1/0 ACSR	6.97Y	116.2	0.00	8.77	1.10	0	7	2	96	0.00	0.0	5.672	0.040	3	1	1	2	L
L PL.6208	PL.6207	A	#1/0 ACSR	6.97Y	116.2	0.00	8.77	0.68	0	5	1	98	0.00	0.0	5.728	0.056	5	1	1	1	L
L PL.5284	PL.5287	A	#4 ACSR	6.97Y	116.2	0.02	8.79	8.47	7	58	12	98	0.01	0.0	5.616	0.059	14	3	3	13	L
L PL.5915	PL.5284	A	#4 ACSR	6.97Y	116.2	0.01	8.79	6.41	5	44	9	98	0.00	0.0	5.641	0.025	0	0	0	10	L
L PL.5285	PL.5915	A	#2 ACSR	6.97Y	116.2	0.00	8.79	0.00	0	0	0	100	0.00	0.0	5.666	0.025	0	0	3	3	L
L PL.6211	PL.5915	A	#1/0 ACSR	6.97Y	116.2	0.00	8.80	6.41	3	44	9	98	0.00	0.0	5.669	0.028	5	1	1	7	L
L PL.6212	PL.6211	A	#1/0 ACSR	6.97Y	116.2	0.01	8.81	5.61	2	38	8	98	0.00	0.0	5.769	0.100	4	1	1	6	L
L PL.5286	PL.6212	A	#2 ACSR	6.97Y	116.2	0.00	8.81	1.61	1	11	2	98	0.00	0.0	5.869	0.099	3	1	1	2	L
L PL.5289	PL.5286	A	#2 ACSR	6.97Y	116.2	0.00	8.82	1.22	1	8	2	97	0.00	0.0	5.960	0.092	0	0	0	1	L
L PL.5290	PL.5289	A	#1/0 ACSR	6.97Y	116.2	0.00	8.82	1.22	1	8	2	97	0.00	0.0	6.122	0.161	8	2	1	1	L
L PL.6213	PL.6212	A	#1/0 ACSR	6.97Y	116.2	0.00	8.81	3.42	1	23	5	98	0.00	0.0	5.803	0.033	19	4	2	3	L
L PL.6214	PL.6213	A	#1/0 ACSR	6.97Y	116.2	0.00	8.81	0.61	0	4	1	97	0.00	0.0	5.830	0.028	4	1	1	1	L
L PL.5777	PL.6228	A	#1/0 ACSR	6.98Y	116.3	0.00	8.74	1.66	1	11	2	98	0.00	0.0	5.508	0.029	11	2	1	1	L
L PL.6091	PL.6092	A	#4 ACSR	6.98Y	116.3	0.04	8.75	32.30	25	221	46	98	0.07	0.0	5.391	0.029	6	1	1	31	L
L PL.6089	PL.6091	A	#4 ACSR	6.97Y	116.2	0.09	8.84	31.39	24	214	45	98	0.16	0.1	5.461	0.070	13	3	2	30	L
L PL.6090	PL.6089	A	#4 ACSR	6.97Y	116.1	0.04	8.88	22.47	17	153	32	98	0.04	0.0	5.498	0.036	0	0	0	21	L
L PL.5291	PL.6090	A	#1/0 ACSR	6.97Y	116.1	0.00	8.88	1.64	1	11	2	98	0.00	0.0	5.510	0.013	11	2	1	1	L
L PL.6229	PL.6090	A	#4 ACSR	6.96Y	116.1	0.05	8.92	20.83	16	142	30	98	0.05	0.0	5.551	0.053	6	1	2	20	L
L PL.6230	PL.6229	A	#4 ACSR	6.96Y	116.0	0.03	8.95	19.96	15	136	28	98	0.03	0.0	5.581	0.031	4	1	1	18	L
L PL.5292	PL.6230	A	#4 ACSR	6.96Y	116.0	0.00	8.95	3.84	3	26	5	98	0.00	0.0	5.602	0.021	0	0	0	2	L
L PL.6597	PL.5292	A	1/0 AL URD	6.96Y	116.0	0.00	8.95	2.46	1	17	3	98	0.00	0.0	5.607	0.005	0	0	0	1	L
L PD.1329	PL.6597	A	20T	6.96Y	116.0	0.00	8.95	2.46	0	17	3	98	0.00	0.0	5.607	0.005	0	0	0	1	L
L PL.6598	PD.1329	A	1/0 AL URD	6.96Y	116.0	0.00	8.96	2.46	1	17	3	98	0.00	0.0	5.634	0.027	17	4	1	1	L
L PL.5300	PL.5292	A	#4 ACSR	6.96Y	116.0	0.00	8.96	1.38	1	9	2	98	0.00	0.0	5.649	0.047	9	2	1	1	L
L PL.5293	PL.6230	A	#4 ACSR	6.96Y	116.0	0.03	8.98	15.51	12	106	22	98	0.02	0.0	5.623	0.042	0	0	0	15	L
L PL.6087	PL.5293	A	#4 ACSR	6.96Y	116.0	0.02	9.00	13.35	10	91	19	98	0.02	0.0	5.665	0.042	13	3	1	14	L
L PL.5294	PL.6087	A	#2 ACSR	6.96Y	116.0	0.00	9.00	1.21	1	8	2	97	0.00	0.0	5.737	0.073	8	2	1	1	L
L PL.6088	PL.6087	A	#4 ACSR	6.96Y	116.0	0.03	9.03	10.28	8	70	15	98	0.02	0.0	5.735	0.070	8	2	1	12	L
L PL.5295	PL.6088	A	#4 ACSR	6.96Y	116.0	0.02	9.05	9.14	7	62	13	98	0.01	0.0	5.778	0.043	0	0	0	11	L
L PL.5296	PL.5295	A	#2 ACSR	6.96Y	116.0	0.00	9.05	0.50	0	3	1	95	0.00	0.0	5.816	0.037	3	1	2	2	L
L PL.5297	PL.5295	A	#4 ACSR	6.96Y	115.9	0.01	9.06	8.64	7	59	12	98	0.01	0.0	5.812	0.033	0	0	0	9	L

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Balanced Voltage Drop Report
Source: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PL.6084	PL.5297	A	#4 ACSR	6.96Y	115.9	0.01	9.08	6.48	5	44	9	98	0.00	0.0	5.860	0.048	0	0	0	7	L
L PL.5298	PL.6084	A	#4 ACSR	6.96Y	115.9	0.00	9.08	2.01	2	14	3	98	0.00	0.0	5.882	0.022	14	3	1	1	L
L PL.6233	PL.6084	A	#4 ACSR	6.96Y	115.9	0.01	9.08	4.47	3	30	6	98	0.00	0.0	5.893	0.033	6	1	2	6	L
L PL.6234	PL.6233	A	#4 ACSR	6.95Y	115.9	0.01	9.09	3.52	3	24	5	98	0.00	0.0	5.933	0.040	0	0	0	4	L
L PL.6221	PL.6234	A	#4 ACSR	6.95Y	115.9	0.00	9.09	1.09	1	7	2	96	0.00	0.0	5.953	0.020	7	2	2	2	L
L PL.6222	PL.6221	A	#4 ACSR	6.95Y	115.9	0.00	9.09	0.00	0	0	0	100	0.00	0.0	5.999	0.046	0	0	0	0	L
L PL.5299	PL.6234	A	#4 ACSR	6.95Y	115.9	0.00	9.09	2.43	2	17	3	98	0.00	0.0	5.961	0.027	17	3	2	2	L
L PL.6231	PL.5297	A	#4 ACSR	6.96Y	115.9	0.01	9.07	2.15	2	15	3	98	0.00	0.0	5.925	0.114	8	2	1	2	L
L PL.6232	PL.6231	A	#4 ACSR	6.96Y	115.9	0.00	9.07	0.92	1	6	1	99	0.00	0.0	5.956	0.030	6	1	1	1	L
L PL.6595	PL.5293	A	1/0 AL URD	6.96Y	116.0	0.00	8.98	2.15	1	15	3	98	0.00	0.0	5.627	0.005	0	0	0	1	L
L PD.1328	PL.6595	A	20T	6.96Y	116.0	0.00	8.98	2.15	0	15	3	98	0.00	0.0	5.627	0.005	0	0	0	1	L
L PL.6596	PD.1328	A	1/0 AL URD	6.96Y	116.0	0.00	8.98	2.15	1	15	3	98	0.00	0.0	5.698	0.071	15	3	1	1	L
L PL.6223	PL.6089	A	6 A (CWC)	6.97Y	116.1	0.01	8.85	7.04	5	48	10	98	0.00	0.0	5.506	0.045	7	2	2	7	L
L PL.6224	PL.6223	A	6 A (CWC)	6.97Y	116.1	0.01	8.86	5.95	4	41	9	98	0.00	0.0	5.542	0.036	0	0	0	5	L
L PL.5778	PL.6224	A	6 A (CWC)	6.97Y	116.1	0.00	8.87	2.47	2	17	4	97	0.00	0.0	5.572	0.030	17	4	3	3	L
L PL.6225	PL.6224	A	#4 ACSR	6.97Y	116.1	0.01	8.88	3.48	3	24	5	98	0.00	0.0	5.656	0.114	12	2	1	2	L
L PL.6226	PL.6225	A	#4 ACSR	6.97Y	116.1	0.00	8.88	1.77	1	12	3	97	0.00	0.0	5.717	0.061	12	3	1	1	L
PL.5602	PL.5274	ABC	#4/0 ACSR	7.12Y	118.7	0.12	6.35	50.07	15	1041	249	97	0.77	0.1	4.479	0.229	0	0	0	288	
PL.5601	PL.5602	ABC	336 MCM AC	7.12Y	118.6	0.04	6.39	50.07	10	1040	248	97	0.26	0.0	4.603	0.123	0	0	0	288	
PL.5588	PL.5601	ABC	336 MCM AC	7.11Y	118.5	0.07	6.46	45.65	9	948	227	97	0.38	0.0	4.822	0.219	6	1	3	272	
PL.6098	PL.5588	ABC	336 MCM AC	7.11Y	118.5	0.04	6.51	45.25	9	939	225	97	0.24	0.0	4.960	0.138	0	0	0	268	
PL.5603	PL.6098	ABC	336 MCM AC	7.11Y	118.5	0.00	6.51	14.69	3	302	83	96	0.00	0.0	4.970	0.010	0	0	0	64	
PL.5604	PL.5603	ABC	#1/0 ACSR	7.11Y	118.5	0.00	6.51	4.21	2	82	37	91	0.00	0.0	5.023	0.053	0	0	0	5	
PL.6793	PL.5604	ABC	6 A (CWC)	7.11Y	118.5	0.02	6.53	4.21	3	82	37	91	0.01	0.0	5.135	0.112	0	0	0	5	
PD.1435	PL.6793	ABC	65T	7.11Y	118.5	0.00	6.53	4.21	0	82	37	91	0.00	0.0	5.135	0.112	0	0	0	5	
PL.6794	PD.1435	ABC	6 A (CWC)	7.11Y	118.5	0.01	6.54	4.21	3	82	37	91	0.01	0.0	5.205	0.070	10	2	3	5	
PL.6172	PL.6794	ABC	6 A (CWC)	7.11Y	118.5	0.00	6.54	3.74	3	72	35	90	0.00	0.0	5.228	0.023	0	0	0	2	
PL.5783	PL.6172	ABC	6 A (CWC)	7.11Y	118.5	0.00	6.54	0.00	0	0	0	100	0.00	0.0	5.289	0.061	0	0	0	0	
PL.5605	PL.6172	ABC	6 A (CWC)	7.11Y	118.5	0.00	6.55	3.74	3	72	35	90	0.00	0.0	5.250	0.021	72	35	2	2	
PL.5718	PL.5605	ABC	6 A (CWC)	7.11Y	118.5	0.00	6.55	0.00	0	0	0	100	0.00	0.0	5.253	0.003	0	0	0	0	
PL.5782	PL.5603	ABC	336 MCM AC	7.11Y	118.5	0.02	6.53	10.56	2	220	47	98	0.03	0.0	5.293	0.323	6	1	1	59	

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Balanced Voltage Drop Report
Source: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.5519	PL.5782	ABC	336 MCM AC	7.11Y	118.5	0.00	6.53	10.29	2	215	45	98	0.01	0.0	5.358	0.065	0	0	0	58
PL.6169	PL.5519	ABC	336 MCM AC	7.11Y	118.5	0.00	6.54	10.29	2	215	45	98	0.00	0.0	5.398	0.040	0	0	0	58
PL.6775	PL.6169	C	#4 ACSR	7.11Y	118.5	0.00	6.54	0.90	1	6	1	99	0.00	0.0	5.403	0.005	0	0	0	1
PD.1425	PL.6775	C	65T	7.11Y	118.5	0.00	6.54	0.90	0	6	1	99	0.00	0.0	5.403	0.005	0	0	0	1
PL.6776	PD.1425	C	#4 ACSR	7.11Y	118.5	0.00	6.54	0.90	1	6	1	99	0.00	0.0	5.459	0.056	6	1	1	1
PL.6167	PL.6169	ABC	336 MCM AC	7.11Y	118.5	0.00	6.54	9.99	2	208	44	98	0.00	0.0	5.436	0.038	5	1	1	57
PL.6168	PL.6167	ABC	336 MCM AC	7.11Y	118.5	0.00	6.54	9.73	2	203	43	98	0.00	0.0	5.486	0.050	0	0	1	56
PL.6166	PL.6168	ABC	336 MCM AC	7.11Y	118.5	0.01	6.55	9.73	2	203	43	98	0.01	0.0	5.566	0.080	0	0	0	55
PL.6561	PL.6166	C	#1/0 ACSR	7.11Y	118.5	0.00	6.55	0.48	0	3	1	95	0.00	0.0	5.571	0.005	0	0	0	1
PD.1310	PL.6561	C	65T	7.11Y	118.5	0.00	6.55	0.48	0	3	1	95	0.00	0.0	5.571	0.005	0	0	0	1
PL.6562	PD.1310	C	#1/0 ACSR	7.11Y	118.5	0.00	6.55	0.48	0	3	1	95	0.00	0.0	5.616	0.045	3	1	1	1
PL.6836	PL.6166	ABC	336 MCM AC	7.11Y	118.4	0.00	6.55	9.57	2	200	42	98	0.00	0.0	5.625	0.059	0	0	0	54
PL.7218	PL.6836	ABC	336 MCM AC	7.11Y	118.4	0.00	6.55	9.57	2	200	42	98	0.00	0.0	5.626	0.002	0	0	0	54
PD.1557	PL.7218	ABC	70L	7.11Y	118.4	0.00	6.55	9.57	14	200	42	98	0.00	0.0	5.626	0.002	0	0	0	54
PL.7219	PD.1557	ABC	336 MCM AC	7.11Y	118.4	0.01	6.56	9.57	2	200	42	98	0.01	0.0	5.739	0.113	0	0	0	54
PL.6844	PL.7219	ABC	336 MCM AC	7.11Y	118.4	0.00	6.56	9.25	2	193	41	98	0.00	0.0	5.758	0.019	0	0	0	52
PL.7222	PL.6844	ABC	336 MCM AC	7.11Y	118.4	0.00	6.56	9.25	2	193	41	98	0.00	0.0	5.760	0.002	0	0	0	52
RG.10	PL.7222	ABC	76.2 KVA	7.48Y	124.7	-6.23	0.33	9.25	9	193	41	98	percent Boost= 5.00 Tap= 8.0							52
PL.7223	RG.10	ABC	336 MCM AC	7.48Y	124.7	0.00	0.33	8.79	2	193	41	98	0.00	0.0	5.816	0.056	0	0	0	52
PL.6557	PL.7223	C	#1/0 ACSR	7.48Y	124.7	0.00	0.33	0.39	0	3	1	95	0.00	0.0	5.821	0.005	0	0	0	1
PD.1308	PL.6557	C	30T	7.48Y	124.7	0.00	0.33	0.39	0	3	1	95	0.00	0.0	5.821	0.005	0	0	0	1
PL.6558	PD.1308	C	#1/0 ACSR	7.48Y	124.7	0.00	0.33	0.39	0	3	1	95	0.00	0.0	5.832	0.011	3	1	1	1
PL.6099	PL.7223	ABC	336 MCM AC	7.48Y	124.7	0.00	0.33	8.65	2	190	40	98	0.00	0.0	5.863	0.046	7	2	2	51
PL.6162	PL.6099	ABC	336 MCM AC	7.48Y	124.7	0.01	0.34	7.46	1	164	34	98	0.00	0.0	5.964	0.101	2	0	1	42
PL.6163	PL.6162	ABC	336 MCM AC	7.48Y	124.7	0.00	0.34	7.35	1	161	34	98	0.00	0.0	6.004	0.040	4	1	2	41
PL.6148	PL.6163	ABC	336 MCM AC	7.48Y	124.7	0.01	0.35	7.18	1	158	33	98	0.00	0.0	6.113	0.108	2	1	2	39
PL.6147	PL.6148	ABC	336 MCM AC	7.48Y	124.7	0.00	0.35	7.07	1	155	33	98	0.00	0.0	6.183	0.071	0	0	0	37
PL.5785	PL.6147	ABC	336 MCM AC	7.48Y	124.6	0.00	0.35	6.99	1	153	32	98	0.00	0.0	6.220	0.037	0	0	0	36
PL.6543	PL.5785	A	#2 ACSR	7.48Y	124.6	0.00	0.35	1.41	1	10	2	98	0.00	0.0	6.225	0.005	0	0	0	2
PD.1301	PL.6543	A	30T	7.48Y	124.6	0.00	0.35	1.41	0	10	2	98	0.00	0.0	6.225	0.005	0	0	0	2
PL.6544	PD.1301	A	#1/0 ACSR	7.48Y	124.6	0.00	0.35	1.41	1	10	2	98	0.00	0.0	6.272	0.047	3	1	1	2

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

Balanced Voltage Drop Report
Source: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.6142	PL.6544	A	#1/0 ACSR	7.48Y	124.6	0.00	0.35	1.01	0	7	2	96	0.00	0.0	6.317	0.045	7	2	1	1
PL.5786	PL.5785	ABC	336 MCM AC	7.48Y	124.6	0.00	0.35	6.52	1	143	30	98	0.00	0.0	6.281	0.060	0	0	0	34
PL.6143	PL.5786	ABC	336 MCM AC	7.48Y	124.6	0.00	0.36	5.77	1	127	27	98	0.00	0.0	6.404	0.124	1	0	1	30
PL.6144	PL.6143	ABC	336 MCM AC	7.48Y	124.6	0.01	0.36	5.70	1	125	26	98	0.00	0.0	6.562	0.158	4	1	1	29
PL.6114	PL.6144	ABC	336 MCM AC	7.48Y	124.6	0.01	0.37	5.53	1	121	26	98	0.00	0.0	6.711	0.149	0	0	0	28
PL.5614	PL.6114	ABC	6 A (CWC)	7.48Y	124.6	0.04	0.41	5.53	4	121	26	98	0.04	0.0	6.903	0.191	0	0	0	28
PL.6141	PL.5614	ABC	6 A (CWC)	7.47Y	124.6	0.03	0.45	5.53	4	121	26	98	0.03	0.0	7.066	0.163	5	1	3	28
PL.6116	PL.6141	ABC	6 A (CWC)	7.47Y	124.5	0.04	0.48	4.68	3	103	22	98	0.03	0.0	7.282	0.216	16	3	3	23
PL.6139	PL.6116	ABC	6 A (CWC)	7.47Y	124.5	0.03	0.51	3.97	3	87	18	98	0.02	0.0	7.479	0.197	0	0	0	20
PL.5617	PL.6139	ABC	6 A (CWC)	7.47Y	124.5	0.01	0.53	2.61	2	57	12	98	0.01	0.0	7.606	0.126	0	0	0	16
PL.5788	PL.5617	ABC	6 A (CWC)	7.47Y	124.4	0.03	0.56	2.61	2	57	12	98	0.01	0.0	7.946	0.340	6	1	1	16
PL.6131	PL.5788	ABC	6 A (CWC)	7.47Y	124.4	0.01	0.57	2.33	2	51	11	98	0.01	0.0	8.118	0.172	7	1	5	15
PL.6129	PL.6131	ABC	6 A (CWC)	7.46Y	124.4	0.05	0.62	2.03	1	45	9	98	0.02	0.0	8.744	0.626	0	0	0	10
PL.5620	PL.6129	ABC	6 A (CWC)	7.46Y	124.4	0.00	0.63	2.03	1	45	9	98	0.00	0.0	8.780	0.037	0	0	0	10
PL.6120	PL.5620	ABC	6 A (CWC)	7.46Y	124.4	0.00	0.63	0.53	0	12	2	99	0.00	0.0	8.892	0.111	4	1	1	3
PL.6121	PL.6120	ABC	6 A (CWC)	7.46Y	124.4	0.00	0.63	0.33	0	7	1	99	0.00	0.0	8.914	0.022	6	1	1	2
PL.6132	PL.6121	ABC	6 A (CWC)	7.46Y	124.4	0.00	0.63	0.04	0	1	0	100	0.00	0.0	8.951	0.037	1	0	1	1
PL.6133	PL.6132	ABC	6 A (CWC)	7.46Y	124.4	0.00	0.63	0.00	0	0	0	100	0.00	0.0	9.026	0.075	0	0	0	0
PL.6801	PL.6133	ABC	6 A (CWC)	7.46Y	124.4	0.00	0.63	0.00	0	0	0	100	0.00	0.0	9.141	0.116	0	0	0	0
PD.9537-A	PL.6801	ABC	Open	7.46Y	124.4	0.00	0.63	0.00	0	0	0	100	0.00	0.0	9.141	0.116	0	0	0	0
PL.6535	PL.5620	B	6 A (CWC)	7.46Y	124.4	0.01	0.63	4.51	3	33	7	98	0.00	0.0	8.815	0.035	0	0	0	7
PD.1297	PL.6535	B	30T	7.46Y	124.4	0.00	0.63	4.51	0	33	7	98	0.00	0.0	8.815	0.035	0	0	0	7
PL.6536	PD.1297	B	6 A (CWC)	7.46Y	124.4	0.00	0.64	4.51	3	33	7	98	0.00	0.0	8.837	0.021	8	2	2	7
PL.6134	PL.6536	B	6 A (CWC)	7.46Y	124.4	0.01	0.65	3.37	2	25	5	98	0.00	0.0	8.923	0.086	0	0	0	5
PL.5621	PL.6134	B	#4 ACSR	7.46Y	124.4	0.00	0.65	0.00	0	0	0	100	0.00	0.0	9.019	0.096	0	0	0	0
PL.6135	PL.6134	B	6 A (CWC)	7.46Y	124.3	0.02	0.66	3.37	2	25	5	98	0.00	0.0	9.043	0.120	8	2	1	5
PL.6136	PL.6135	B	6 A (CWC)	7.46Y	124.3	0.01	0.67	2.30	2	17	4	97	0.00	0.0	9.185	0.141	12	2	2	4
PL.6137	PL.6136	B	6 A (CWC)	7.46Y	124.3	0.00	0.68	0.68	0	5	1	98	0.00	0.0	9.298	0.113	5	1	2	2
PL.6537	PL.5617	C	#2 ACSR	7.47Y	124.5	0.00	0.53	0.00	0	0	0	100	0.00	0.0	7.610	0.005	0	0	0	0
PD.1298	PL.6537	C	30T	7.47Y	124.5	0.00	0.53	0.00	0	0	0	100	0.00	0.0	7.610	0.005	0	0	0	0
PL.6538	PD.1298	C	#2 ACSR	7.47Y	124.5	0.00	0.53	0.00	0	0	0	100	0.00	0.0	7.645	0.034	0	0	0	0

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Balanced Voltage Drop Report
Source: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.7224	PL.6139	C	#4 ACSR	7.47Y	124.5	0.00	0.51	1.71	1	13	3	97	0.00	0.0	7.482	0.003	0	0	0	2
PD.1558	PL.7224	C	30T	7.47Y	124.5	0.00	0.51	1.71	0	13	3	97	0.00	0.0	7.482	0.003	0	0	0	2
PL.7225	PD.1558	C	#4 ACSR	7.47Y	124.5	0.00	0.51	1.71	1	13	3	97	0.00	0.0	7.484	0.002	0	0	0	2
PL.5787	PL.7225	C	#4 ACSR	7.47Y	124.5	0.00	0.51	0.62	0	5	1	98	0.00	0.0	7.521	0.037	5	1	1	1
PL.6117	PL.7225	C	#4 ACSR	7.47Y	124.5	0.00	0.51	1.09	1	8	2	97	0.00	0.0	7.488	0.004	0	0	0	1
PL.5618	PL.6117	C	#4 ACSR	7.47Y	124.5	0.00	0.51	1.09	1	8	2	97	0.00	0.0	7.537	0.049	8	2	1	1
PL.6779	PL.6139	A	#4 ACSR	7.47Y	124.5	0.00	0.51	2.39	2	17	4	97	0.00	0.0	7.484	0.005	0	0	0	2
PD.1427	PL.6779	A	30T	7.47Y	124.5	0.00	0.51	2.39	0	17	4	97	0.00	0.0	7.484	0.005	0	0	0	2
PL.6780	PD.1427	A	#4 ACSR	7.47Y	124.5	0.02	0.54	2.39	2	17	4	97	0.00	0.0	7.950	0.466	17	4	2	2
PL.5615	PL.6141	C	6 A (CWC)	7.47Y	124.5	0.01	0.45	1.87	1	14	3	98	0.00	0.0	7.170	0.104	7	1	1	2
PL.6777	PL.5615	C	6 A (CWC)	7.47Y	124.5	0.00	0.45	0.97	1	7	1	99	0.00	0.0	7.175	0.005	0	0	0	1
PD.1426	PL.6777	C	30T	7.47Y	124.5	0.00	0.45	0.97	0	7	1	99	0.00	0.0	7.175	0.005	0	0	0	1
PL.6778	PD.1426	C	6 A (CWC)	7.47Y	124.5	0.00	0.46	0.97	1	7	1	99	0.00	0.0	7.235	0.060	0	0	0	1
PL.5616	PL.6778	C	#4 ACSR	7.47Y	124.5	0.00	0.46	0.97	1	7	1	99	0.00	0.0	7.316	0.081	7	1	1	1
PL.6539	PL.6144	A	#1/0 ACSR	7.48Y	124.6	0.00	0.36	0.00	0	0	0	100	0.00	0.0	6.567	0.005	0	0	0	0
PD.1299	PL.6539	A	30T	7.48Y	124.6	0.00	0.36	0.00	0	0	0	100	0.00	0.0	6.567	0.005	0	0	0	0
PL.6540	PD.1299	A	#1/0 ACSR	7.48Y	124.6	0.00	0.36	0.00	0	0	0	100	0.00	0.0	6.626	0.059	0	0	0	0
PL.6545	PL.5786	C	#1/0 ACSR	7.48Y	124.6	0.00	0.35	2.25	1	16	3	98	0.00	0.0	6.285	0.005	0	0	0	4
PD.1302	PL.6545	C	30T	7.48Y	124.6	0.00	0.35	2.25	0	16	3	98	0.00	0.0	6.285	0.005	0	0	0	4
PL.6546	PD.1302	C	#1/0 ACSR	7.48Y	124.6	0.00	0.36	2.25	1	16	3	98	0.00	0.0	6.304	0.019	4	1	2	4
PL.6145	PL.6546	C	#1/0 ACSR	7.48Y	124.6	0.00	0.36	1.69	1	12	3	97	0.00	0.0	6.344	0.040	7	1	1	2
PL.6146	PL.6145	C	#1/0 ACSR	7.48Y	124.6	0.00	0.36	0.73	0	5	1	98	0.00	0.0	6.504	0.160	5	1	1	1
PL.6541	PL.6147	C	#1/0 ACSR	7.48Y	124.7	0.00	0.35	0.24	0	2	0	100	0.00	0.0	6.188	0.005	0	0	0	1
PD.1300	PL.6541	C	30T	7.48Y	124.7	0.00	0.35	0.24	0	2	0	100	0.00	0.0	6.188	0.005	0	0	0	1
PL.6542	PD.1300	C	#1/0 ACSR	7.48Y	124.7	0.00	0.35	0.24	0	2	0	100	0.00	0.0	6.219	0.031	2	0	1	1
PL.6555	PL.6099	A	6 A (CWC)	7.48Y	124.7	0.00	0.33	2.60	2	19	4	98	0.00	0.0	5.867	0.005	0	0	0	7
PD.1307	PL.6555	A	20T	7.48Y	124.7	0.00	0.33	2.60	0	19	4	98	0.00	0.0	5.867	0.005	0	0	0	7
PL.6556	PD.1307	A	6 A (CWC)	7.48Y	124.7	0.01	0.34	2.60	2	19	4	98	0.00	0.0	5.919	0.052	0	0	0	7
PL.5609	PL.6556	A	#1/0 ACSR	7.48Y	124.7	0.00	0.34	1.15	1	8	2	97	0.00	0.0	5.954	0.034	0	0	0	2
PL.5612	PL.5609	A	#1/0 ACSR	7.48Y	124.7	0.00	0.34	0.81	0	6	1	99	0.00	0.0	5.986	0.033	6	1	1	1
PL.5613	PL.5609	A	#1/0 ACSR	7.48Y	124.7	0.00	0.34	0.34	0	3	1	95	0.00	0.0	5.984	0.030	3	1	1	1

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Balanced Voltage Drop Report
Source: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.5610	PL.6556	A	6 A (CWC)	7.48Y	124.6	0.02	0.36	1.26	1	9	2	98	0.00	0.0	6.218	0.299	0	0	0	2
PL.5784	PL.5610	A	6 A (CWC)	7.48Y	124.6	0.00	0.36	0.26	0	2	0	100	0.00	0.0	6.253	0.034	2	0	1	1
PL.5709	PL.5610	A	#1/0 ACSR	7.48Y	124.6	0.00	0.36	0.99	0	7	2	96	0.00	0.0	6.259	0.041	7	2	1	1
PL.5608	PL.6556	A	#4 ACSR	7.48Y	124.7	0.00	0.34	0.19	0	1	0	100	0.00	0.0	5.956	0.037	1	0	3	3
PL.6715	PL.7219	B	#4 ACSR	7.11Y	118.4	0.00	6.56	0.97	1	7	1	99	0.00	0.0	5.744	0.005	0	0	0	2
PD.1393	PL.6715	B	30T	7.11Y	118.4	0.00	6.56	0.97	0	7	1	99	0.00	0.0	5.744	0.005	0	0	0	2
PL.6716	PD.1393	B	#4 ACSR	7.11Y	118.4	0.01	6.57	0.97	1	7	1	99	0.00	0.0	5.873	0.129	0	0	0	2
PL.5606	PL.6716	B	#4 ACSR	7.11Y	118.4	0.00	6.57	0.51	0	4	1	97	0.00	0.0	5.953	0.080	4	1	1	1
PL.5607	PL.6716	B	#4 ACSR	7.11Y	118.4	0.00	6.57	0.46	0	3	1	95	0.00	0.0	5.950	0.078	3	1	1	1
PL.5781	PL.6098	ABC	336 MCM AC	7.11Y	118.5	0.01	6.52	30.57	6	637	141	98	0.04	0.0	5.009	0.049	0	0	0	204
PL.7226	PL.5781	ABC	336 MCM AC	7.11Y	118.5	0.00	6.52	30.57	6	637	141	98	0.00	0.0	5.012	0.003	0	0	0	204
PD.1559	PL.7226	ABC	100L	7.11Y	118.5	0.00	6.52	30.57	31	637	141	98	0.00	0.0	5.012	0.003	0	0	0	204
PL.7227	PD.1559	ABC	336 MCM AC	7.11Y	118.5	0.01	6.53	30.57	6	637	141	98	0.04	0.0	5.058	0.046	0	0	0	204
PL.5789	PL.7227	ABC	336 MCM AC	7.11Y	118.4	0.05	6.58	28.99	6	604	134	98	0.19	0.0	5.331	0.273	0	0	0	197
PL.6565	PL.5789	B	6 A (CWC)	7.11Y	118.4	0.00	6.58	0.22	0	2	0	100	0.00	0.0	5.336	0.005	0	0	0	2
PD.1312	PL.6565	B	40T	7.11Y	118.4	0.00	6.58	0.22	0	2	0	100	0.00	0.0	5.336	0.005	0	0	0	2
PL.6566	PD.1312	B	6 A (CWC)	7.11Y	118.4	0.00	6.58	0.22	0	2	0	100	0.00	0.0	5.370	0.035	1	0	1	2
PL.5626	PL.6566	B	#4 ACSR	7.11Y	118.4	0.00	6.58	0.01	0	0	0	100	0.00	0.0	5.500	0.129	0	0	1	1
PL.5790	PL.5789	ABC	336 MCM AC	7.10Y	118.4	0.05	6.63	28.92	6	602	133	98	0.16	0.0	5.563	0.232	0	0	0	195
PL.6563	PL.5790	A	#4 ACSR	7.10Y	118.4	0.00	6.63	0.25	0	2	0	100	0.00	0.0	5.568	0.005	0	0	0	1
PD.1311	PL.6563	A	40T	7.10Y	118.4	0.00	6.63	0.25	0	2	0	100	0.00	0.0	5.568	0.005	0	0	0	1
PL.6564	PD.1311	A	#4 ACSR	7.10Y	118.4	0.00	6.63	0.25	0	2	0	100	0.00	0.0	5.590	0.022	2	0	1	1
PL.5791	PL.5790	ABC	336 MCM AC	7.10Y	118.3	0.08	6.70	28.84	6	600	132	98	0.26	0.0	5.941	0.378	0	0	0	194
PL.6559	PL.5791	C	#2 ACSR	7.10Y	118.3	0.00	6.70	2.07	1	14	3	98	0.00	0.0	5.945	0.004	0	0	0	4
PD.1309	PL.6559	C	40T	7.10Y	118.3	0.00	6.70	2.07	0	14	3	98	0.00	0.0	5.945	0.004	0	0	0	4
PL.6560	PD.1309	C	#2 ACSR	7.10Y	118.3	0.01	6.71	2.07	1	14	3	98	0.00	0.0	6.097	0.152	5	1	1	4
PL.5627	PL.6560	C	#2 ACSR	7.10Y	118.3	0.00	6.71	0.32	0	2	0	100	0.00	0.0	6.145	0.047	2	0	1	1
PL.6174	PL.6560	C	#2 ACSR	7.10Y	118.3	0.00	6.71	1.09	1	8	2	97	0.00	0.0	6.166	0.069	8	2	1	2
PL.6175	PL.6174	C	#2 ACSR	7.10Y	118.3	0.00	6.71	0.00	0	0	0	100	0.00	0.0	6.236	0.070	0	0	1	1
PL.5792	PL.5791	ABC	336 MCM AC	7.10Y	118.3	0.01	6.72	28.15	5	585	129	98	0.04	0.0	6.004	0.063	0	0	1	190
PL.6551	PL.5792	B	#1/0 ACSR	7.10Y	118.3	0.00	6.72	1.14	0	8	2	97	0.00	0.0	6.008	0.005	0	0	0	2

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Balanced Voltage Drop Report
Source: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.1305	PL.6551	B	40T	7.10Y	118.3	0.00	6.72	1.14	0	8	2	97	0.00	0.0	6.008	0.005	0	0	0	2
PL.6552	PD.1305	B	#1/0 ACSR	7.10Y	118.3	0.00	6.72	1.14	0	8	2	97	0.00	0.0	6.035	0.027	8	2	2	2
PL.5628	PL.5792	ABC	336 MCM AC	7.09Y	118.2	0.05	6.76	27.77	5	578	127	98	0.16	0.0	6.251	0.248	0	0	0	187
PL.7228	PL.5628	ABC	336 MCM AC	7.09Y	118.2	0.00	6.76	27.77	5	577	126	98	0.00	0.0	6.251	0.000	0	0	0	187
RG.11	PL.7228	ABC	76.2 KVA	7.47Y	124.5	-6.22	0.54	27.77	28	577	126	98	percent Boost= 5.00 Tap= 8.0							187
PL.7229	RG.11	ABC	336 MCM AC	7.47Y	124.4	0.02	0.56	26.38	5	577	126	98	0.08	0.0	6.384	0.133	0	0	0	187
PL.5793	PL.7229	ABC	336 MCM AC	7.46Y	124.4	0.04	0.60	19.98	4	437	97	98	0.09	0.0	6.647	0.262	2	0	1	128
PL.6161	PL.5793	ABC	336 MCM AC	7.46Y	124.4	0.02	0.62	19.88	4	435	96	98	0.04	0.0	6.759	0.112	1	0	1	127
PL.6159	PL.6161	ABC	336 MCM AC	7.46Y	124.4	0.02	0.63	19.84	4	434	96	98	0.04	0.0	6.875	0.116	0	0	0	126
PL.5801	PL.6159	ABC	336 MCM AC	7.46Y	124.3	0.03	0.66	19.26	4	421	93	98	0.06	0.0	7.071	0.196	4	1	2	119
PL.6156	PL.5801	ABC	336 MCM AC	7.46Y	124.3	0.01	0.66	19.06	4	417	92	98	0.01	0.0	7.118	0.048	0	0	0	117
PL.6157	PL.6156	ABC	336 MCM AC	7.46Y	124.3	0.03	0.69	19.06	4	417	92	98	0.07	0.0	7.342	0.224	0	0	0	117
PL.6840	PL.6157	ABC	336 MCM AC	7.46Y	124.3	0.01	0.70	17.78	3	388	86	98	0.01	0.0	7.386	0.043	0	0	0	110
PL.7232	PL.6840	ABC	336 MCM AC	7.46Y	124.3	0.00	0.70	17.78	3	388	86	98	0.00	0.0	7.389	0.003	0	0	0	110
PL.7233	PL.7232	ABC	336 MCM AC	7.46Y	124.3	0.02	0.72	17.78	3	388	86	98	0.04	0.0	7.552	0.163	0	0	0	110
PL.5803	PL.7233	ABC	336 MCM AC	7.46Y	124.3	0.02	0.74	17.64	3	385	85	98	0.05	0.0	7.747	0.195	1	0	1	109
PL.6154	PL.5803	ABC	336 MCM AC	7.45Y	124.2	0.02	0.76	17.62	3	385	85	98	0.03	0.0	7.873	0.126	0	0	0	108
PL.6547	PL.6154	B	#1/0 ACSR	7.45Y	124.2	0.00	0.76	0.21	0	2	0	100	0.00	0.0	7.896	0.023	0	0	0	2
PD.1303	PL.6547	B	40T	7.45Y	124.2	0.00	0.76	0.21	0	2	0	100	0.00	0.0	7.896	0.023	0	0	0	2
PL.6548	PD.1303	B	#1/0 ACSR	7.45Y	124.2	0.00	0.76	0.21	0	2	0	100	0.00	0.0	7.922	0.025	2	0	2	2
PL.6102	PL.6154	ABC	336 MCM AC	7.45Y	124.2	0.02	0.78	17.55	3	383	84	98	0.03	0.0	8.007	0.134	0	0	0	106
PL.6103	PL.6102	ABC	336 MCM AC	7.45Y	124.2	0.00	0.78	17.55	3	383	84	98	0.00	0.0	8.010	0.003	0	0	0	106
PL.5659	PL.6103	B	6 A (CWC)	7.45Y	124.2	0.00	0.78	1.93	1	14	3	98	0.00	0.0	8.012	0.002	0	0	0	4
PD.1449	PL.5659	B	35L	7.45Y	124.2	0.00	0.78	1.93	6	14	3	98	0.00	0.0	8.012	0.002	0	0	0	4
PL.5820	PD.1449	B	6 A (CWC)	7.45Y	124.2	0.00	0.78	1.04	1	8	2	97	0.00	0.0	8.014	0.002	0	0	0	3
PL.5804	PL.5820	B	6 A (CWC)	7.45Y	124.2	0.01	0.78	1.04	1	8	2	97	0.00	0.0	8.193	0.178	2	0	1	3
PL.6152	PL.5804	B	6 A (CWC)	7.45Y	124.2	0.01	0.80	0.83	1	6	1	99	0.00	0.0	8.571	0.378	0	0	0	2
PL.5805	PL.6152	B	6 A (CWC)	7.45Y	124.2	0.00	0.80	0.33	0	2	1	89	0.00	0.0	8.827	0.256	0	0	0	1
PL.5664	PL.5805	B	#2 ACSR	7.45Y	124.2	0.00	0.80	0.33	0	2	1	89	0.00	0.0	8.879	0.052	2	1	1	1
PL.5662	PL.6152	B	#1/0 ACSR	7.45Y	124.2	0.00	0.80	0.50	0	4	1	97	0.00	0.0	8.669	0.098	4	1	1	1
PL.6100	PD.1449	B	6 A (CWC)	7.45Y	124.2	0.00	0.78	0.89	1	7	1	99	0.00	0.0	8.015	0.002	0	0	0	1

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Balanced Voltage Drop Report
Source: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.5660	PL.6100	B	6 A (CWC)	7.45Y	124.2	0.00	0.78	0.89	1	7	1	99	0.00	0.0	8.076	0.061	7	1	1	1
PL.6104	PL.6103	ABC	336 MCM AC	7.45Y	124.2	0.01	0.79	16.91	3	369	81	98	0.02	0.0	8.101	0.091	1	0	1	102
PL.6783	PL.6104	C	6 A (CWC)	7.45Y	124.2	0.00	0.79	0.37	0	3	1	95	0.00	0.0	8.105	0.005	0	0	0	1
PD.1429	PL.6783	C	40T	7.45Y	124.2	0.00	0.79	0.37	0	3	1	95	0.00	0.0	8.105	0.005	0	0	0	1
PL.6784	PD.1429	C	6 A (CWC)	7.45Y	124.2	0.00	0.79	0.37	0	3	1	95	0.00	0.0	8.151	0.046	3	1	1	1
PL.6105	PL.6104	ABC	336 MCM AC	7.45Y	124.2	0.01	0.79	16.73	3	365	80	98	0.01	0.0	8.149	0.049	0	0	0	100
PL.6807	PL.6105	A	#1/0 ACSR	7.45Y	124.2	0.01	0.80	7.70	3	56	12	98	0.00	0.0	8.203	0.054	0	0	0	28
PL.7238	PL.6807	A	#1/0 ACSR	7.45Y	124.2	0.00	0.80	7.70	3	56	12	98	0.00	0.0	8.207	0.003	0	0	0	28
PD.1562	PL.7238	A	70L	7.45Y	124.2	0.00	0.80	7.70	11	56	12	98	0.00	0.0	8.207	0.003	0	0	0	28
PL.7239	PD.1562	A	#1/0 ACSR	7.45Y	124.2	0.03	0.83	7.70	3	56	12	98	0.01	0.0	8.375	0.169	2	0	1	28
PL.65717	PL.7239	A	#4 ACSR	7.45Y	124.2	0.00	0.83	0.56	0	4	1	97	0.00	0.0	8.463	0.088	0	0	0	2
PL.65718	PL.65717	A	#4 ACSR	7.45Y	124.2	0.00	0.83	0.56	0	4	1	97	0.00	0.0	8.625	0.162	3	1	1	2
PL.5667	PL.65718	A	#1/0 ACSR	7.45Y	124.2	0.00	0.83	0.11	0	1	0	100	0.00	0.0	8.717	0.091	1	0	1	1
PL.5665	PL.7239	A	#1/0 ACSR	7.45Y	124.2	0.00	0.83	6.89	3	50	11	98	0.00	0.0	8.383	0.008	0	0	0	25
PL.6126	PL.5665	A	#4 ACSR	7.45Y	124.2	0.02	0.85	6.89	5	50	11	98	0.01	0.0	8.441	0.058	2	0	1	25
PL.6127	PL.6126	A	#4 ACSR	7.45Y	124.1	0.02	0.87	6.61	5	48	10	98	0.01	0.0	8.516	0.075	3	1	2	24
PL.6125	PL.6127	A	#4 ACSR	7.44Y	124.1	0.06	0.93	6.24	5	45	10	98	0.02	0.0	8.735	0.219	0	0	0	22
PL.6123	PL.6125	A	#4 ACSR	7.44Y	124.1	0.02	0.95	6.24	5	45	10	98	0.01	0.0	8.812	0.078	1	0	2	22
PL.6124	PL.6123	A	#4 ACSR	7.44Y	124.0	0.06	1.01	6.07	5	44	9	98	0.02	0.0	9.036	0.223	0	0	0	20
PL.5806	PL.6124	A	#4 ACSR	7.44Y	124.0	0.04	1.04	5.31	4	39	8	98	0.01	0.0	9.189	0.153	0	0	0	18
PL.5807	PL.5806	A	#4 ACSR	7.44Y	123.9	0.02	1.07	5.29	4	39	8	98	0.01	0.0	9.279	0.090	0	0	0	17
PL.5808	PL.5807	A	#4 ACSR	7.43Y	123.8	0.15	1.21	5.29	4	39	8	98	0.04	0.1	9.907	0.629	0	0	0	17
PL.5809	PL.5808	A	#4 ACSR	7.42Y	123.7	0.05	1.26	5.29	4	38	8	98	0.01	0.0	10.122	0.215	3	1	1	17
PL.6503	PL.5809	A	#4 ACSR	7.42Y	123.7	0.01	1.27	4.93	4	36	8	98	0.00	0.0	10.178	0.056	0	0	0	16
PL.6119	PL.6503	A	#4 ACSR	7.42Y	123.7	0.03	1.30	4.54	3	33	7	98	0.01	0.0	10.325	0.147	6	1	2	14
PL.5671	PL.6119	A	#1/0 ACSR	7.42Y	123.7	0.00	1.30	1.70	1	12	3	97	0.00	0.0	10.450	0.125	12	3	2	2
PL.6500	PL.6119	A	#4 ACSR	7.42Y	123.7	0.00	1.30	2.08	2	15	3	98	0.00	0.0	10.357	0.032	9	2	2	10
PL.6501	PL.6500	A	#4 ACSR	7.42Y	123.7	0.00	1.30	0.85	1	6	1	99	0.00	0.0	10.441	0.084	2	0	2	8
PL.6499	PL.6501	A	#4 ACSR	7.42Y	123.7	0.01	1.31	0.54	0	4	1	97	0.00	0.0	10.839	0.397	0	0	1	6
PL.6498	PL.6499	A	#4 ACSR	7.42Y	123.7	0.00	1.31	0.54	0	4	1	97	0.00	0.0	10.953	0.114	1	0	1	5
PL.6496	PL.6498	A	#4 ACSR	7.42Y	123.7	0.00	1.32	0.36	0	3	1	95	0.00	0.0	11.099	0.146	0	0	0	4

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Balanced Voltage Drop Report
Source: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.5672	PL.6496	A	#4 ACSR	7.42Y	123.7	0.00	1.32	0.11	0	1	0	100	0.00	0.0	11.151	0.052	1	0	1	1
PL.5673	PL.6496	A	#4 ACSR	7.42Y	123.7	0.00	1.32	0.14	0	1	0	100	0.00	0.0	11.171	0.072	0	0	1	2
PL.5674	PL.5673	A	#4 ACSR	7.42Y	123.7	0.00	1.32	0.08	0	1	0	100	0.00	0.0	11.310	0.139	0	0	0	1
PL.5675	PL.5674	A	#1/0 ACSR	7.42Y	123.7	0.00	1.32	0.08	0	1	0	100	0.00	0.0	11.359	0.049	1	0	1	1
PL.6494	PL.6496	A	#4 ACSR	7.42Y	123.7	0.00	1.32	0.12	0	1	0	100	0.00	0.0	11.172	0.073	0	0	0	1
PL.6495	PL.6494	A	#4 ACSR	7.42Y	123.7	0.00	1.32	0.12	0	1	0	100	0.00	0.0	11.466	0.294	1	0	1	1
PL.6504	PL.6503	A	#4 ACSR	7.42Y	123.7	0.00	1.27	0.39	0	3	1	95	0.00	0.0	10.191	0.013	2	0	1	2
PL.6505	PL.6504	A	#4 ACSR	7.42Y	123.7	0.00	1.27	0.16	0	1	0	100	0.00	0.0	10.889	0.698	1	0	1	1
PL.5669	PL.5807	A	#4 ACSR	7.44Y	123.9	0.00	1.07	0.00	0	0	0	100	0.00	0.0	9.340	0.062	0	0	0	0
PL.5668	PL.5806	A	#4 ACSR	7.44Y	124.0	0.00	1.04	0.01	0	0	0	100	0.00	0.0	9.240	0.051	0	0	1	1
PL.6507	PL.6124	A	#2 ACSR	7.44Y	124.0	0.00	1.01	0.76	0	6	1	99	0.00	0.0	9.071	0.035	0	0	0	2
PL.6508	PL.6507	A	#2 ACSR	7.44Y	124.0	0.00	1.01	0.76	0	6	1	99	0.00	0.0	9.090	0.019	2	0	1	2
PL.6506	PL.6508	A	#2 ACSR	7.44Y	124.0	0.00	1.01	0.50	0	4	1	97	0.00	0.0	9.149	0.058	4	1	1	1
PL.5661	PL.6105	B	#1/0 ACSR	7.45Y	124.2	0.01	0.80	42.51	18	309	69	98	0.02	0.0	8.159	0.010	0	0	0	72
PL.7234	PL.5661	B	#1/0 ACSR	7.45Y	124.2	0.00	0.80	42.51	18	309	69	98	0.01	0.0	8.162	0.003	0	0	0	72
PD.1561	PL.7234	B	70L	7.45Y	124.2	0.00	0.80	42.51	61	309	69	98	0.00	0.0	8.162	0.003	0	0	0	72
PL.7235	PD.1561	B	#1/0 ACSR	7.45Y	124.1	0.06	0.87	42.51	18	309	69	98	0.13	0.0	8.229	0.068	0	0	0	72
PL.7236	PL.7235	B	#1/0 ACSR	7.45Y	124.1	0.00	0.87	42.51	18	309	68	98	0.01	0.0	8.233	0.003	0	0	0	72
RG.12	PL.7236	B	76.2 KVA	7.45Y	124.1	0.00	0.87	42.51	43	309	68	98	percent Boost= 0.00 Tap= 0.0							72
PL.7237	RG.12	B	#1/0 ACSR	7.44Y	124.1	0.05	0.92	42.51	18	309	68	98	0.11	0.0	8.289	0.056	0	0	0	72
PL.5676	PL.7237	B	6 A (CWC)	7.42Y	123.7	0.42	1.35	42.51	30	309	68	98	0.96	0.3	8.514	0.225	12	2	1	72
PL.6493	PL.5676	B	6 A (CWC)	7.41Y	123.6	0.08	1.43	40.92	29	296	65	98	0.19	0.1	8.561	0.046	4	1	1	71
PL.6491	PL.6493	B	6 A (CWC)	7.41Y	123.5	0.07	1.50	40.31	29	292	64	98	0.15	0.1	8.600	0.039	7	1	3	70
PL.6490	PL.6491	B	6 A (CWC)	7.40Y	123.3	0.21	1.71	39.41	28	285	63	98	0.45	0.2	8.719	0.119	2	0	4	67
PL.6489	PL.6490	B	6 A (CWC)	7.38Y	123.0	0.25	1.96	39.18	28	283	62	98	0.53	0.2	8.861	0.142	0	0	0	63
PL.5677	PL.6489	B	#4 ACSR	7.38Y	123.0	0.00	1.96	0.27	0	2	0	100	0.00	0.0	8.878	0.017	2	0	1	1
PL.5810	PL.6489	B	6 A (CWC)	7.37Y	122.8	0.26	2.23	38.91	28	281	61	98	0.55	0.2	9.012	0.151	0	0	0	62
PL.5811	PL.5810	B	6 A (CWC)	7.34Y	122.4	0.37	2.59	36.59	26	263	57	98	0.72	0.3	9.234	0.223	0	0	0	58
PL.5680	PL.5811	B	6 A (CWC)	7.34Y	122.4	0.00	2.59	0.00	0	0	0	100	0.00	0.0	9.299	0.064	0	0	0	0
PL.6486	PL.5811	B	6 A (CWC)	7.33Y	122.2	0.18	2.77	36.59	26	263	57	98	0.35	0.1	9.343	0.108	6	1	1	58
PL.6487	PL.6486	B	6 A (CWC)	7.33Y	122.1	0.14	2.91	35.69	25	256	55	98	0.27	0.1	9.433	0.090	7	2	1	57

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Balanced Voltage Drop Report
Source: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.6485	PL.6487	B	6 A (CWC)	7.31Y	121.8	0.32	3.23	34.69	25	248	54	98	0.60	0.2	9.637	0.204	0	0	0	56
PL.10176	PL.6485	B	6 A (CWC)	7.29Y	121.6	0.22	3.45	33.84	24	242	52	98	0.40	0.2	9.782	0.145	4	1	1	55
PL.10177	PL.10176	B	6 A (CWC)	7.29Y	121.5	0.06	3.51	33.31	24	238	51	98	0.10	0.0	9.822	0.040	11	2	2	54
PL.10174	PL.10177	B	6 A (CWC)	7.29Y	121.5	0.01	3.51	1.08	1	8	2	97	0.00	0.0	9.980	0.158	5	1	1	2
PL.10175	PL.10174	B	6 A (CWC)	7.29Y	121.5	0.00	3.51	0.34	0	2	1	89	0.00	0.0	10.045	0.065	2	1	1	1
PL.6109	PL.10177	B	6 A (CWC)	7.28Y	121.3	0.21	3.72	30.64	22	218	47	98	0.35	0.2	9.978	0.156	2	0	1	50
PL.6111	PL.6109	B	6 A (CWC)	7.27Y	121.1	0.17	3.89	29.71	21	211	45	98	0.27	0.1	10.103	0.124	0	0	0	48
PL.5684	PL.6111	B	6 A (CWC)	7.27Y	121.1	0.00	3.89	1.43	1	10	2	98	0.00	0.0	10.177	0.074	3	1	1	4
PL.5685	PL.5684	B	#4 ACSR	7.27Y	121.1	0.01	3.90	1.07	1	8	2	97	0.00	0.0	10.428	0.251	0	0	0	3
PL.5686	PL.5685	B	#1/0 ACSR	7.27Y	121.1	0.00	3.90	0.43	0	3	1	95	0.00	0.0	10.476	0.049	3	1	1	1
PL.6479	PL.5685	B	#4 ACSR	7.27Y	121.1	0.00	3.90	0.65	0	5	1	98	0.00	0.0	10.466	0.038	1	0	1	2
PL.6480	PL.6479	B	#4 ACSR	7.27Y	121.1	0.00	3.90	0.55	0	4	1	97	0.00	0.0	10.590	0.124	4	1	1	1
PL.5814	PL.6111	B	6 A (CWC)	7.26Y	121.0	0.12	4.01	28.28	20	201	43	98	0.18	0.1	10.197	0.094	0	0	0	44
PL.5815	PL.5814	B	6 A (CWC)	7.24Y	120.7	0.26	4.27	27.55	20	196	42	98	0.38	0.2	10.412	0.215	10	2	1	42
PL.6478	PL.5815	B	6 A (CWC)	7.23Y	120.4	0.32	4.58	26.14	19	185	40	98	0.44	0.2	10.694	0.282	14	3	2	41
PL.6785	PL.6478	B	6 A (CWC)	7.22Y	120.4	0.00	4.59	23.98	17	169	36	98	0.01	0.0	10.699	0.005	0	0	0	38
PD.1430	PL.6785	B	30T	7.22Y	120.4	0.00	4.59	23.98	0	169	36	98	0.00	0.0	10.699	0.005	0	0	0	38
PL.6786	PD.1430	B	6 A (CWC)	7.22Y	120.4	0.06	4.65	23.98	17	169	36	98	0.08	0.0	10.757	0.058	4	1	2	38
PL.6476	PL.6786	B	6 A (CWC)	7.21Y	120.2	0.12	4.77	23.45	17	166	35	98	0.16	0.1	10.874	0.117	0	0	0	36
PL.6475	PL.6476	B	6 A (CWC)	7.21Y	120.2	0.04	4.81	23.45	17	165	35	98	0.05	0.0	10.913	0.040	14	3	2	36
PL.6474	PL.6475	B	6 A (CWC)	7.21Y	120.1	0.07	4.89	21.50	15	152	32	98	0.09	0.1	10.993	0.080	9	2	2	34
PL.6473	PL.6474	B	6 A (CWC)	7.20Y	120.1	0.04	4.92	20.28	14	143	30	98	0.04	0.0	11.033	0.040	0	0	1	32
PL.6472	PL.6473	B	6 A (CWC)	7.19Y	119.9	0.18	5.11	20.28	14	143	30	98	0.20	0.1	11.239	0.206	9	2	2	31
PL.6113	PL.6472	B	6 A (CWC)	7.19Y	119.8	0.07	5.18	18.33	13	129	27	98	0.07	0.1	11.324	0.085	0	0	0	26
PL.5972	PL.6113	B	6 A (CWC)	7.18Y	119.6	0.23	5.41	18.33	13	129	27	98	0.23	0.2	11.615	0.290	8	2	2	26
PL.6471	PL.5972	B	6 A (CWC)	7.17Y	119.5	0.07	5.47	17.19	12	121	25	98	0.06	0.1	11.703	0.088	0	0	0	24
PL.6815	PL.6471	B	6 A (CWC)	7.17Y	119.5	0.00	5.48	11.15	8	78	17	98	0.00	0.0	11.705	0.003	0	0	0	17
PD.1447	PL.6815	B	25H	7.17Y	119.5	0.00	5.48	11.15	45	78	17	98	0.00	0.0	11.705	0.003	0	0	0	17
PL.6816	PD.1447	B	6 A (CWC)	7.16Y	119.4	0.12	5.60	11.15	8	78	17	98	0.07	0.1	11.951	0.245	0	0	0	17
PL.6469	PL.6816	B	6 A (CWC)	7.16Y	119.4	0.05	5.65	11.15	8	78	16	98	0.03	0.0	12.059	0.108	11	2	2	17
PL.5692	PL.6469	B	#1/0 ACSR	7.16Y	119.4	0.00	5.65	0.80	0	6	1	99	0.00	0.0	12.119	0.060	6	1	1	1

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Balanced Voltage Drop Report
Source: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.6115	PL.6469	B	6 A (CWC)	7.16Y	119.3	0.08	5.73	8.77	6	61	13	98	0.04	0.1	12.272	0.213	4	1	1	14
PL.6467	PL.6115	B	6 A (CWC)	7.15Y	119.2	0.03	5.76	8.24	6	58	12	98	0.01	0.0	12.360	0.089	5	1	2	13
PL.6465	PL.6467	B	6 A (CWC)	7.15Y	119.2	0.04	5.80	7.56	5	53	11	98	0.02	0.0	12.485	0.124	0	0	0	11
PL.6464	PL.6465	B	6 A (CWC)	7.15Y	119.2	0.02	5.83	7.56	5	53	11	98	0.01	0.0	12.552	0.067	0	0	0	11
PL.5818	PL.6464	B	6 A (CWC)	7.15Y	119.1	0.04	5.87	6.17	4	43	9	98	0.01	0.0	12.712	0.160	0	0	0	9
PL.5819	PL.5818	B	6 A (CWC)	7.14Y	119.1	0.08	5.95	4.68	3	33	7	98	0.02	0.1	13.076	0.364	0	0	1	6
PL.5699	PL.5819	B	6 A (CWC)	7.14Y	119.1	0.00	5.95	0.76	1	5	1	98	0.00	0.0	13.208	0.132	5	1	1	1
PL.28281	PL.5699	B	#1/0 ACSR	7.14Y	119.1	0.00	5.95	0.00	0	0	0	100	0.00	0.0	13.247	0.038	0	0	0	0
PL.5697	PL.5819	B	6 A (CWC)	7.14Y	119.0	0.04	5.99	3.85	3	27	6	98	0.01	0.0	13.307	0.231	0	0	0	4
PL.5707	PL.5697	B	#4 ACSR	7.14Y	119.0	0.03	6.01	3.85	3	27	6	98	0.01	0.0	13.475	0.168	0	0	0	4
PL.6460	PL.5707	B	#4 ACSR	7.14Y	119.0	0.01	6.03	2.59	2	18	4	98	0.00	0.0	13.574	0.099	0	0	0	3
PL.6461	PL.6460	B	#4 ACSR	7.14Y	119.0	0.01	6.03	2.59	2	18	4	98	0.00	0.0	13.663	0.088	9	2	1	3
PL.6459	PL.6461	B	#4 ACSR	7.14Y	119.0	0.01	6.05	1.25	1	9	2	98	0.00	0.0	13.885	0.222	0	0	1	2
PL.5698	PL.6459	B	#4 ACSR	7.14Y	119.0	0.00	6.05	1.24	1	9	2	98	0.00	0.0	14.048	0.164	9	2	1	1
PL.5706	PL.5707	B	#4 ACSR	7.14Y	119.0	0.00	6.02	1.26	1	9	2	98	0.00	0.0	13.546	0.071	9	2	1	1
PL.5694	PL.5818	B	6 A (CWC)	7.15Y	119.1	0.00	5.88	1.50	1	10	2	98	0.00	0.0	12.795	0.084	3	1	2	3
PL.5695	PL.5694	B	#4 ACSR	7.15Y	119.1	0.00	5.88	1.05	1	7	2	96	0.00	0.0	12.871	0.075	7	2	1	1
PL.5693	PL.6464	B	#2 ACSR	7.15Y	119.2	0.00	5.83	1.39	1	10	2	98	0.00	0.0	12.579	0.027	10	2	2	2
PL.6511	PL.6471	B	6 A (CWC)	7.17Y	119.5	0.02	5.50	6.04	4	42	9	98	0.01	0.0	11.794	0.091	1	0	1	7
PL.6512	PL.6511	B	6 A (CWC)	7.17Y	119.5	0.01	5.51	5.85	4	41	9	98	0.00	0.0	11.836	0.042	19	4	2	6
PL.6510	PL.6512	B	6 A (CWC)	7.17Y	119.5	0.01	5.52	3.07	2	22	5	98	0.00	0.0	11.926	0.090	0	0	0	4
PL.6509	PL.6510	B	6 A (CWC)	7.17Y	119.5	0.01	5.53	3.07	2	22	5	98	0.00	0.0	11.999	0.073	0	0	0	4
PL.5700	PL.6509	B	#4 ACSR	7.17Y	119.5	0.01	5.54	0.72	1	5	1	98	0.00	0.0	12.255	0.256	0	0	0	1
PL.5701	PL.5700	B	6 A (CWC)	7.17Y	119.5	0.01	5.55	0.72	1	5	1	98	0.00	0.0	12.488	0.233	0	0	0	1
PL.5702	PL.5701	B	#4 ACSR	7.17Y	119.5	0.00	5.55	0.72	1	5	1	98	0.00	0.0	12.520	0.032	0	0	0	1
PL.64872	PL.5702	B	#4 ACSR	7.17Y	119.5	0.00	5.55	0.00	0	0	0	100	0.00	0.0	12.523	0.003	0	0	0	0
PL.5703	PL.5702	B	6 A (CWC)	7.17Y	119.5	0.00	5.55	0.72	1	5	1	98	0.00	0.0	12.669	0.149	5	1	1	1
PL.5817	PL.6509	B	6 A (CWC)	7.17Y	119.5	0.01	5.54	2.35	2	16	3	98	0.00	0.0	12.064	0.065	7	2	1	3
PL.5705	PL.5817	B	#1/0 ACSR	7.17Y	119.5	0.00	5.54	1.32	1	9	2	98	0.00	0.0	12.194	0.129	9	2	2	2
PL.6711	PL.6472	B	6 A (CWC)	7.19Y	119.9	0.00	5.11	0.70	0	5	1	98	0.00	0.0	11.244	0.005	0	0	0	3
PD.1391	PL.6711	B	30T	7.19Y	119.9	0.00	5.11	0.70	0	5	1	98	0.00	0.0	11.244	0.005	0	0	0	3

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Balanced Voltage Drop Report
Source: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.6712	PD.1391	B	6 A (CWC)	7.19Y	119.9	0.01	5.12	0.70	0	5	1	98	0.00	0.0	11.693	0.449	0	0	0	3
PL.5690	PL.6712	B	#4 ACSR	7.19Y	119.9	0.00	5.12	0.30	0	2	0	100	0.00	0.0	11.742	0.049	2	0	1	1
PL.5691	PL.6712	B	#4 ACSR	7.19Y	119.9	0.01	5.12	0.40	0	3	1	95	0.00	0.0	12.128	0.435	2	0	1	2
PL.6463	PL.5691	B	#4 ACSR	7.19Y	119.9	0.00	5.13	0.16	0	1	0	100	0.00	0.0	12.189	0.061	1	0	1	1
PL.5689	PL.6712	B	6 A (CWC)	7.19Y	119.9	0.00	5.12	0.00	0	0	0	100	0.00	0.0	12.210	0.517	0	0	0	0
PL.33057	PL.6478	B	6 A (CWC)	7.23Y	120.4	0.00	4.58	0.16	0	1	0	100	0.00	0.0	10.727	0.033	0	0	0	1
PL.33058	PL.33057	B	6 A (CWC)	7.22Y	120.4	0.00	4.59	0.16	0	1	0	100	0.00	0.0	11.049	0.321	0	0	0	1
PL.5816	PL.33058	B	6 A (CWC)	7.22Y	120.4	0.00	4.59	0.00	0	0	0	100	0.00	0.0	11.078	0.029	0	0	0	0
PL.5688	PL.33058	B	#2 ACSR	7.22Y	120.4	0.00	4.59	0.16	0	1	0	100	0.00	0.0	11.121	0.073	1	0	1	1
PL.6483	PL.5814	B	6 A (CWC)	7.26Y	121.0	0.00	4.01	0.73	1	5	1	98	0.00	0.0	10.216	0.019	0	0	0	2
PL.6484	PL.6483	B	6 A (CWC)	7.26Y	121.0	0.00	4.01	0.73	1	5	1	98	0.00	0.0	10.405	0.190	4	1	1	2
PL.6482	PL.6484	B	6 A (CWC)	7.26Y	121.0	0.00	4.01	0.18	0	1	0	100	0.00	0.0	10.459	0.054	1	0	1	1
PL.5683	PL.6109	B	#4 ACSR	7.28Y	121.3	0.00	3.72	0.65	0	5	1	98	0.00	0.0	10.037	0.059	5	1	1	1
PL.5681	PL.6485	B	#4 ACSR	7.31Y	121.8	0.00	3.23	0.85	1	6	1	99	0.00	0.0	9.692	0.055	6	1	1	1
PL.6488	PL.5810	B	#1/0 ACSR	7.37Y	122.8	0.00	2.23	2.33	1	17	4	97	0.00	0.0	9.049	0.037	2	0	1	4
PL.6713	PL.6488	B	#1/0 ACSR	7.37Y	122.8	0.00	2.23	2.06	1	15	3	98	0.00	0.0	9.053	0.004	0	0	0	3
PD.1392	PL.6713	B	30T	7.37Y	122.8	0.00	2.23	2.06	0	15	3	98	0.00	0.0	9.053	0.004	0	0	0	3
PL.6714	PD.1392	B	#1/0 ACSR	7.37Y	122.8	0.02	2.24	2.06	1	15	3	98	0.00	0.0	9.390	0.337	0	0	0	3
PL.5812	PL.6714	B	#1/0 ACSR	7.37Y	122.8	0.00	2.24	1.08	0	8	2	97	0.00	0.0	9.415	0.024	8	2	2	2
PL.5679	PL.6714	B	#1/0 ACSR	7.37Y	122.8	0.00	2.25	0.98	0	7	1	99	0.00	0.0	9.600	0.210	7	1	1	1
PL.6549	PL.7233	A	#1/0 ACSR	7.46Y	124.3	0.00	0.72	0.41	0	3	1	95	0.00	0.0	7.557	0.005	0	0	0	1
PD.1304	PL.6549	A	40T	7.46Y	124.3	0.00	0.72	0.41	0	3	1	95	0.00	0.0	7.557	0.005	0	0	0	1
PL.6550	PD.1304	A	#1/0 ACSR	7.46Y	124.3	0.00	0.72	0.41	0	3	1	95	0.00	0.0	7.628	0.071	3	1	1	1
CP.12	PL.7232	ABC	Cap (300)	7.46Y	124.3	0.00	0.70	0.00	0	0	0	100	0.00	0.0	7.389	0.071	0	0	0	0
PL.5656	PL.6157	B	#1/0 ACSR	7.46Y	124.3	0.00	0.70	3.83	2	28	6	98	0.00	0.0	7.368	0.026	0	0	0	7
PL.6818	PL.5656	B	6 A (CWC)	7.46Y	124.3	0.00	0.70	3.83	3	28	6	98	0.00	0.0	7.371	0.003	0	0	0	7
PD.1450	PL.6818	B	35L	7.46Y	124.3	0.00	0.70	3.83	11	28	6	98	0.00	0.0	7.371	0.003	0	0	0	7
PL.6819	PD.1450	B	6 A (CWC)	7.46Y	124.3	0.00	0.70	3.83	3	28	6	98	0.00	0.0	7.398	0.027	0	0	0	7
PL.10183	PL.6819	B	6 A (CWC)	7.46Y	124.3	0.01	0.71	2.84	2	21	4	98	0.00	0.0	7.509	0.111	3	1	1	5
PL.10184	PL.10183	B	6 A (CWC)	7.46Y	124.3	0.01	0.73	2.45	2	18	4	98	0.00	0.0	7.636	0.127	0	0	0	4
PL.6457	PL.10184	B	6 A (CWC)	7.46Y	124.3	0.01	0.73	2.45	2	18	4	98	0.00	0.0	7.689	0.053	5	1	1	4

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.6455	PL.6457	B	6 A (CWC)	7.46Y	124.3	0.00	0.74	1.82	1	13	3	97	0.00	0.0	7.747	0.059	2	0	1	3
PL.5657	PL.6455	B	#4 ACSR	7.45Y	124.2	0.02	0.75	1.51	1	11	2	98	0.00	0.0	8.144	0.397	8	2	1	2
PL.5658	PL.5657	B	#2 ACSR	7.45Y	124.2	0.00	0.76	0.46	0	3	1	95	0.00	0.0	8.184	0.040	3	1	1	1
PL.7251	PL.6819	B	#1/0 ACSR	7.46Y	124.3	0.00	0.70	0.99	0	7	2	96	0.00	0.0	7.466	0.068	7	2	2	2
PL.6553	PL.6159	C	#4 ACSR	7.46Y	124.4	0.00	0.63	0.88	1	6	1	99	0.00	0.0	6.880	0.005	0	0	0	3
PD.1306	PL.6553	C	40T	7.46Y	124.4	0.00	0.63	0.88	0	6	1	99	0.00	0.0	6.880	0.005	0	0	0	3
PL.6554	PD.1306	C	#4 ACSR	7.46Y	124.4	0.00	0.63	0.88	1	6	1	99	0.00	0.0	6.909	0.029	6	1	2	3
PL.5655	PL.6554	C	#4 ACSR	7.46Y	124.4	0.00	0.63	0.03	0	0	0	100	0.00	0.0	7.137	0.229	0	0	1	1
PL.6781	PL.6159	A	#2 ACSR	7.46Y	124.4	0.00	0.63	0.88	1	6	1	99	0.00	0.0	6.880	0.005	0	0	0	4
PD.1428	PL.6781	A	40T	7.46Y	124.4	0.00	0.63	0.88	0	6	1	99	0.00	0.0	6.880	0.005	0	0	0	4
PL.6782	PD.1428	A	#2 ACSR	7.46Y	124.4	0.00	0.63	0.88	1	6	1	99	0.00	0.0	6.927	0.047	3	1	2	4
PL.6158	PL.6782	A	#2 ACSR	7.46Y	124.4	0.00	0.64	0.51	0	4	1	97	0.00	0.0	7.125	0.198	0	0	0	2
PL.5802	PL.6158	A	#2 ACSR	7.46Y	124.4	0.00	0.64	0.17	0	1	0	100	0.00	0.0	7.166	0.041	1	0	1	1
PL.5654	PL.6158	A	#1/0 ACSR	7.46Y	124.4	0.00	0.64	0.34	0	2	1	89	0.00	0.0	7.299	0.174	2	1	1	1
PL.5629	PL.7229	B	6 A (CWC)	7.46Y	124.4	0.07	0.64	19.22	14	140	30	98	0.08	0.1	6.469	0.085	0	0	0	59
PL.7230	PL.5629	B	6 A (CWC)	7.46Y	124.4	0.00	0.64	19.22	14	140	30	98	0.00	0.0	6.472	0.003	0	0	0	59
PD.1560	PL.7230	B	35L	7.46Y	124.4	0.00	0.64	19.22	55	140	30	98	0.00	0.0	6.472	0.003	0	0	0	59
PL.7231	PD.1560	B	6 A (CWC)	7.45Y	124.2	0.18	0.82	19.22	14	140	30	98	0.19	0.1	6.680	0.207	0	0	0	59
PL.6709	PL.7231	B	6 A (CWC)	7.45Y	124.2	0.00	0.82	6.06	4	44	9	98	0.00	0.0	6.684	0.005	0	0	0	15
PD.1389	PL.6709	B	40T	7.45Y	124.2	0.00	0.82	6.06	0	44	9	98	0.00	0.0	6.684	0.005	0	0	0	15
PL.6710	PD.1389	B	6 A (CWC)	7.45Y	124.2	0.01	0.83	6.06	4	44	9	98	0.00	0.0	6.737	0.052	2	0	2	15
PL.6445	PL.6710	B	6 A (CWC)	7.45Y	124.2	0.01	0.85	5.76	4	42	9	98	0.00	0.0	6.787	0.050	2	1	2	13
PL.6446	PL.6445	B	6 A (CWC)	7.45Y	124.1	0.06	0.91	5.42	4	39	8	98	0.02	0.0	7.040	0.253	1	0	1	11
PL.6444	PL.6446	B	6 A (CWC)	7.44Y	124.1	0.01	0.92	5.31	4	39	8	98	0.00	0.0	7.105	0.065	4	1	2	10
PL.6442	PL.6444	B	6 A (CWC)	7.44Y	124.1	0.00	0.93	4.82	3	35	7	98	0.00	0.0	7.127	0.022	0	0	0	8
PL.5638	PL.6442	B	6 A (CWC)	7.44Y	124.1	0.01	0.94	4.82	3	35	7	98	0.00	0.0	7.173	0.046	0	0	0	8
PL.5640	PL.5638	B	#1/0 ACSR	7.44Y	124.1	0.00	0.94	1.01	0	7	2	96	0.00	0.0	7.289	0.116	7	2	2	2
PL.6440	PL.5638	B	#1/0 ACSR	7.44Y	124.1	0.00	0.94	3.81	2	28	6	98	0.00	0.0	7.209	0.036	8	2	1	6
PL.6441	PL.6440	B	#1/0 ACSR	7.44Y	124.1	0.01	0.95	2.73	1	20	4	98	0.00	0.0	7.387	0.177	9	2	3	5
PL.5639	PL.6441	B	#2 ACSR	7.44Y	124.1	0.00	0.95	0.78	0	6	1	99	0.00	0.0	7.442	0.056	6	1	1	1
PL.6026	PL.6441	B	#1/0 ACSR	7.44Y	124.1	0.00	0.95	0.65	0	5	1	98	0.00	0.0	7.434	0.047	5	1	1	1

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Balanced Voltage Drop Report
Source: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.5631	PL.7231	B	6 A (CWC)	7.45Y	124.1	0.04	0.86	13.16	9	96	20	98	0.03	0.0	6.744	0.065	0	0	0	44
PL.5632	PL.5631	B	6 A (CWC)	7.45Y	124.1	0.00	0.86	0.37	0	3	1	95	0.00	0.0	6.803	0.059	3	1	2	2
PL.5633	PL.5631	B	6 A (CWC)	7.45Y	124.1	0.01	0.87	12.79	9	93	20	98	0.01	0.0	6.769	0.025	0	0	0	42
PL.5635	PL.5633	B	#4 ACSR	7.44Y	124.1	0.06	0.94	10.81	8	79	17	98	0.04	0.0	6.904	0.135	0	0	0	30
PL.5636	PL.5635	B	#1/0 ACSR	7.44Y	124.1	0.00	0.94	0.03	0	0	0	100	0.00	0.0	6.948	0.044	0	0	1	1
PL.5796	PL.5635	B	#4 ACSR	7.44Y	124.0	0.05	0.99	10.79	8	79	17	98	0.03	0.0	7.022	0.117	3	1	1	29
PL.6438	PL.5796	B	6 A (CWC)	7.44Y	124.0	0.03	1.02	10.38	7	76	16	98	0.01	0.0	7.083	0.062	8	2	2	28
PL.6439	PL.6438	B	6 A (CWC)	7.44Y	124.0	0.01	1.03	9.34	7	68	14	98	0.00	0.0	7.107	0.024	16	3	3	26
PL.6437	PL.6439	B	6 A (CWC)	7.44Y	124.0	0.01	1.04	7.09	5	52	11	98	0.00	0.0	7.149	0.041	5	1	1	23
PL.6436	PL.6437	B	6 A (CWC)	7.44Y	123.9	0.02	1.06	6.35	5	46	10	98	0.01	0.0	7.212	0.063	0	0	0	22
PL.5641	PL.6436	B	#1/0 ACSR	7.44Y	123.9	0.00	1.06	2.02	1	15	3	98	0.00	0.0	7.234	0.023	7	1	1	2
PL.5642	PL.5641	B	#1/0 ACSR	7.44Y	123.9	0.00	1.06	1.09	0	8	2	97	0.00	0.0	7.336	0.102	8	2	1	1
PL.6031	PL.6436	B	6 A (CWC)	7.43Y	123.9	0.04	1.10	4.34	3	32	7	98	0.01	0.0	7.426	0.215	0	0	0	20
PL.5797	PL.6031	B	6 A (CWC)	7.43Y	123.9	0.01	1.10	1.16	1	8	2	97	0.00	0.0	7.541	0.115	0	0	0	7
PL.5647	PL.5797	B	6 A (CWC)	7.43Y	123.9	0.00	1.11	0.98	1	7	2	96	0.00	0.0	7.609	0.068	0	0	0	6
PL.5649	PL.5647	B	#2 ACSR	7.43Y	123.9	0.00	1.11	0.30	0	2	0	100	0.00	0.0	7.652	0.043	2	0	1	1
PL.5798	PL.5647	B	6 A (CWC)	7.43Y	123.9	0.00	1.11	0.68	0	5	1	98	0.00	0.0	7.706	0.097	0	0	0	5
PL.5799	PL.5798	B	6 A (CWC)	7.43Y	123.9	0.00	1.11	0.00	0	0	0	100	0.00	0.0	8.003	0.297	0	0	0	0
PD.1442-B	PL.5799	B	Open	7.43Y	123.9	0.00	1.11	0.00	0	0	0	100	0.00	0.0	8.003	0.297	0	0	0	0
PL.7252	PL.5798	B	#1/0 ACSR	7.43Y	123.9	0.00	1.11	0.39	0	3	1	95	0.00	0.0	7.769	0.063	3	1	1	1
PL.5650	PL.5798	B	6 A (CWC)	7.43Y	123.9	0.00	1.11	0.29	0	2	0	100	0.00	0.0	7.819	0.113	1	0	1	4
PL.6432	PL.5650	B	#2 ACSR	7.43Y	123.9	0.00	1.11	0.17	0	1	0	100	0.00	0.0	7.886	0.068	0	0	0	3
PL.6433	PL.6432	B	#2 ACSR	7.43Y	123.9	0.00	1.11	0.17	0	1	0	100	0.00	0.0	7.946	0.059	0	0	0	3
PL.5652	PL.6433	B	#1/0 ACSR	7.43Y	123.9	0.00	1.11	0.13	0	1	0	100	0.00	0.0	8.114	0.169	1	0	1	1
PL.5800	PL.6433	B	#2 ACSR	7.43Y	123.9	0.00	1.11	0.04	0	0	0	100	0.00	0.0	8.003	0.058	0	0	2	2
PL.5651	PL.5650	B	#2 ACSR	7.43Y	123.9	0.00	1.11	0.00	0	0	0	100	0.00	0.0	7.861	0.042	0	0	0	0
PL.5648	PL.5797	B	6 A (CWC)	7.43Y	123.9	0.00	1.10	0.18	0	1	0	100	0.00	0.0	7.625	0.084	1	0	1	1
PL.5643	PL.6031	B	6 A (CWC)	7.43Y	123.9	0.01	1.10	3.18	2	23	5	98	0.00	0.0	7.463	0.037	1	0	2	13
PL.6434	PL.5643	B	6 A (CWC)	7.43Y	123.9	0.01	1.11	3.04	2	22	5	98	0.00	0.0	7.524	0.061	5	1	1	11
PL.6435	PL.6434	B	6 A (CWC)	7.43Y	123.9	0.01	1.12	2.41	2	18	4	98	0.00	0.0	7.636	0.112	3	1	4	10
PL.5645	PL.6435	B	#4 ACSR	7.43Y	123.9	0.00	1.12	1.99	2	14	3	98	0.00	0.0	7.651	0.015	0	0	0	6

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Balanced Voltage Drop Report
Source: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.5644	PL.5645	B	6 A (CWC)	7.43Y	123.9	0.01	1.13	1.99	1	14	3	98	0.00	0.0	7.726	0.075	1	0	2	6
PL.5646	PL.5644	B	#4 ACSR	7.43Y	123.9	0.00	1.13	1.78	1	13	3	97	0.00	0.0	7.799	0.074	6	1	1	4
PL.5710	PL.5646	B	#4 ACSR	7.43Y	123.9	0.00	1.13	0.05	0	0	0	100	0.00	0.0	7.834	0.035	0	0	1	1
PL.6517	PL.5646	B	#2 ACSR	7.43Y	123.9	0.00	1.13	0.93	1	7	1	99	0.00	0.0	7.845	0.046	0	0	1	2
PL.6518	PL.6517	B	#2 ACSR	7.43Y	123.9	0.00	1.14	0.92	1	7	1	99	0.00	0.0	7.944	0.099	7	1	1	1
PL.5634	PL.5633	B	6 A (CWC)	7.45Y	124.1	0.00	0.87	1.19	1	9	2	98	0.00	0.0	6.788	0.019	0	0	0	10
PL.5795	PL.5634	B	6 A (CWC)	7.45Y	124.1	0.00	0.87	0.78	1	6	1	99	0.00	0.0	6.798	0.010	6	1	2	2
PL.6453	PL.5634	B	6 A (CWC)	7.45Y	124.1	0.00	0.87	0.42	0	3	1	95	0.00	0.0	6.851	0.063	0	0	1	8
PL.6454	PL.6453	B	6 A (CWC)	7.45Y	124.1	0.00	0.87	0.41	0	3	1	95	0.00	0.0	6.920	0.069	0	0	0	7
PL.5637	PL.6454	B	6 A (CWC)	7.45Y	124.1	0.00	0.88	0.41	0	3	1	95	0.00	0.0	7.013	0.092	3	1	1	1
PL.6451	PL.6454	B	#1/0 ACSR	7.45Y	124.1	0.00	0.87	0.00	0	0	0	100	0.00	0.0	6.970	0.049	0	0	2	6
PL.6452	PL.6451	B	#1/0 ACSR	7.45Y	124.1	0.00	0.87	0.00	0	0	0	100	0.00	0.0	7.029	0.059	0	0	0	4
PL.6449	PL.6452	B	#1/0 ACSR	7.45Y	124.1	0.00	0.87	0.00	0	0	0	100	0.00	0.0	7.120	0.091	0	0	1	2
PL.6450	PL.6449	B	#1/0 ACSR	7.45Y	124.1	0.00	0.87	0.00	0	0	0	100	0.00	0.0	7.201	0.081	0	0	1	1
PL.6447	PL.6452	B	#1/0 ACSR	7.45Y	124.1	0.00	0.87	0.00	0	0	0	100	0.00	0.0	7.085	0.056	0	0	1	2
PL.6448	PL.6447	B	#1/0 ACSR	7.45Y	124.1	0.00	0.87	0.00	0	0	0	100	0.00	0.0	7.138	0.053	0	0	1	1
PL.5794	PL.5633	B	6 A (CWC)	7.45Y	124.1	0.00	0.87	0.79	1	6	1	99	0.00	0.0	6.790	0.020	6	1	2	2
PL.5630	PL.5629	B	6 A (CWC)	7.46Y	124.4	0.00	0.64	0.00	0	0	0	100	0.00	0.0	6.524	0.055	0	0	0	0
PL.6569	PL.7227	B	#4 ACSR	7.11Y	118.5	0.00	6.53	4.73	4	33	7	98	0.00	0.0	5.063	0.005	0	0	0	7
PD.1314	PL.6569	B	40T	7.11Y	118.5	0.00	6.53	4.73	0	33	7	98	0.00	0.0	5.063	0.005	0	0	0	7
PL.6570	PD.1314	B	#4 ACSR	7.11Y	118.5	0.00	6.53	4.73	4	33	7	98	0.00	0.0	5.072	0.009	6	1	1	7
PL.6173	PL.6570	B	#4 ACSR	7.11Y	118.5	0.01	6.54	3.90	3	27	6	98	0.00	0.0	5.135	0.063	3	1	2	6
PL.5623	PL.6173	B	#2 ACSR	7.11Y	118.5	0.00	6.54	2.67	2	19	4	98	0.00	0.0	5.188	0.053	19	4	2	2
PL.5624	PL.6173	B	#2 ACSR	7.11Y	118.5	0.00	6.54	0.74	0	5	1	98	0.00	0.0	5.180	0.046	5	1	1	2
PL.5625	PL.5624	B	#2 ACSR	7.11Y	118.5	0.00	6.54	0.08	0	1	0	100	0.00	0.0	5.229	0.048	1	0	1	1
PL.6567	PL.5588	C	6 A (CWC)	7.11Y	118.5	0.00	6.46	0.33	0	2	0	100	0.00	0.0	4.826	0.005	0	0	0	1
PD.1313	PL.6567	C	65T	7.11Y	118.5	0.00	6.46	0.33	0	2	0	100	0.00	0.0	4.826	0.005	0	0	0	1
PL.6568	PD.1313	C	6 A (CWC)	7.11Y	118.5	0.00	6.46	0.33	0	2	0	100	0.00	0.0	5.015	0.188	2	0	1	1
PL.6171	PL.6568	C	6 A (CWC)	7.11Y	118.5	0.00	6.46	0.00	0	0	0	100	0.00	0.0	5.050	0.036	0	0	0	0
PL.5589	PL.5601	B	#1/0 ACSR	7.11Y	118.6	0.04	6.43	13.27	6	92	20	98	0.02	0.0	4.730	0.127	0	0	0	16
PL.6809	PL.5589	B	6 A (CWC)	7.11Y	118.5	0.03	6.46	12.50	9	87	18	98	0.02	0.0	4.788	0.059	0	0	0	14

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Balanced Voltage Drop Report
Source: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

	Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
	PD.1444	PL.6809	B	50L	7.11Y	118.5	0.00	6.46	12.50	25	87	18	98	0.00	0.0	4.788	0.059	0	0	0	14	
	PL.6810	PD.1444	B	6 A (CWC)	7.11Y	118.5	0.03	6.49	12.50	9	87	18	98	0.02	0.0	4.849	0.060	0	0	0	14	
	PL.5779	PL.6810	B	6 A (CWC)	7.11Y	118.5	0.04	6.53	12.50	9	87	18	98	0.02	0.0	4.912	0.063	0	0	0	14	
	PL.6198	PL.5779	B	6 A (CWC)	7.11Y	118.4	0.02	6.55	12.50	9	87	18	98	0.02	0.0	4.952	0.040	0	0	0	14	
	PL.6199	PL.6198	B	6 A (CWC)	7.10Y	118.4	0.04	6.60	12.50	9	87	18	98	0.03	0.0	5.037	0.085	11	2	1	14	
	PL.6196	PL.6199	B	6 A (CWC)	7.10Y	118.4	0.01	6.61	10.90	8	76	16	98	0.00	0.0	5.055	0.018	8	2	1	13	
	PL.6197	PL.6196	B	6 A (CWC)	7.10Y	118.3	0.06	6.67	9.80	7	68	14	98	0.03	0.0	5.199	0.144	1	0	1	12	
	PL.6195	PL.6197	B	6 A (CWC)	7.09Y	118.2	0.15	6.81	9.63	7	67	14	98	0.08	0.1	5.534	0.336	0	0	0	11	
L	PL.5592	PL.6195	B	6 A (CWC)	7.08Y	118.0	0.22	7.03	9.63	7	67	14	98	0.11	0.2	6.039	0.504	0	0	0	11	L
L	PL.5594	PL.5592	B	6 A (CWC)	7.07Y	117.9	0.07	7.10	6.40	5	44	9	98	0.02	0.0	6.296	0.258	8	2	2	7	L
L	PL.5599	PL.5594	B	#4 ACSR	7.07Y	117.9	0.00	7.10	2.56	2	18	4	98	0.00	0.0	6.357	0.061	18	4	3	3	L
L	PL.5600	PL.5594	B	#4 ACSR	7.07Y	117.9	0.00	7.10	2.70	2	19	4	98	0.00	0.0	6.368	0.072	19	4	2	2	L
L	PL.5593	PL.5592	B	6 A (CWC)	7.08Y	117.9	0.03	7.07	3.23	2	22	5	98	0.01	0.0	6.276	0.238	0	0	0	4	L
L	PL.6149	PL.5593	B	6 A (CWC)	7.08Y	117.9	0.00	7.07	0.18	0	1	0	100	0.00	0.0	6.340	0.063	1	0	1	2	L
L	PL.6150	PL.6149	B	6 A (CWC)	7.08Y	117.9	0.00	7.07	0.07	0	0	0	100	0.00	0.0	6.433	0.093	0	0	1	1	L
L	PL.5596	PL.5593	B	#1/0 ACSR	7.08Y	117.9	0.00	7.07	3.05	1	21	4	98	0.00	0.0	6.321	0.044	0	0	0	2	L
L	PL.5597	PL.5596	B	#1/0 ACSR	7.08Y	117.9	0.00	7.07	1.66	1	12	2	99	0.00	0.0	6.431	0.110	12	2	1	1	L
L	PL.5780	PL.5596	B	#1/0 ACSR	7.08Y	117.9	0.00	7.07	1.38	1	10	2	98	0.00	0.0	6.415	0.094	10	2	1	1	L
	PL.5591	PL.6810	B	#4 ACSR	7.11Y	118.5	0.00	6.49	0.00	0	0	0	100	0.00	0.0	5.011	0.163	0	0	0	0	
	PL.5590	PL.5589	B	#4 ACSR	7.11Y	118.6	0.00	6.43	0.77	1	5	1	98	0.00	0.0	4.749	0.019	5	1	2	2	
	PL.6791	PL.6201	ABC	#1/0 ACSR	7.13Y	118.8	0.00	6.17	8.31	4	176	28	99	0.00	0.0	4.167	0.005	0	0	0	39	
	PD.1434	PL.6791	ABC	65T	7.13Y	118.8	0.00	6.17	8.31	0	176	28	99	0.00	0.0	4.167	0.005	0	0	0	39	
	PL.6792	PD.1434	ABC	#1/0 ACSR	7.13Y	118.8	0.01	6.18	8.31	4	176	28	99	0.02	0.0	4.257	0.090	0	0	1	39	
	PL.6204	PL.6792	ABC	#1/0 ACSR	7.13Y	118.8	0.01	6.19	7.71	3	163	25	99	0.01	0.0	4.327	0.070	0	0	0	36	
	PL.6205	PL.6204	ABC	#1/0 ACSR	7.13Y	118.8	0.00	6.20	7.71	3	163	25	99	0.01	0.0	4.363	0.036	6	1	1	36	
	PL.6206	PL.6205	ABC	#1/0 ACSR	7.13Y	118.8	0.00	6.20	7.40	3	157	24	99	0.00	0.0	4.395	0.032	0	0	0	35	
	PL.6080	PL.6206	ABC	#1/0 ACSR	7.13Y	118.8	0.01	6.21	7.40	3	157	24	99	0.01	0.0	4.439	0.044	2	0	1	35	
	PL.6571	PL.6080	C	#1/0 ACSR	7.13Y	118.8	0.00	6.21	0.96	0	7	1	99	0.00	0.0	4.443	0.004	0	0	0	1	
	PD.1315	PL.6571	C	40T	7.13Y	118.8	0.00	6.21	0.96	0	7	1	99	0.00	0.0	4.443	0.004	0	0	0	1	
	PL.6572	PD.1315	C	#1/0 ACSR	7.13Y	118.8	0.00	6.21	0.96	0	7	1	99	0.00	0.0	4.486	0.043	7	1	1	1	
	PL.6773	PL.6080	A	#1/0 ACSR	7.13Y	118.8	0.00	6.21	0.78	0	5	1	98	0.00	0.0	4.443	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: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.1424	PL.6773	A	40T	7.13Y	118.8	0.00	6.21	0.78	0	5	1	98	0.00	0.0	4.443	0.005	0	0	0	2
PL.6774	PD.1424	A	#1/0 ACSR	7.13Y	118.8	0.00	6.21	0.78	0	5	1	98	0.00	0.0	4.469	0.025	5	1	2	2
PL.6215	PL.6080	ABC	#1/0 ACSR	7.13Y	118.8	0.00	6.21	6.72	3	142	21	99	0.00	0.0	4.474	0.035	16	3	2	31
PL.6216	PL.6215	ABC	#1/0 ACSR	7.13Y	118.8	0.00	6.21	5.93	3	126	17	99	0.00	0.0	4.501	0.027	0	0	0	29
PL.6581	PL.6216	C	1/0 AL URD	7.13Y	118.8	0.00	6.21	11.34	7	80	14	99	0.00	0.0	4.505	0.005	0	0	0	21
PD.1321	PL.6581	C	40T	7.13Y	118.8	0.00	6.21	11.34	0	80	14	99	0.00	0.0	4.505	0.005	0	0	0	21
PL.6582	PD.1321	C	1/0 AL URD	7.13Y	118.8	0.00	6.21	11.34	7	80	14	99	0.00	0.0	4.510	0.004	0	0	0	21
PL.6075	PL.6582	C	1/0 AL URD	7.13Y	118.8	0.00	6.22	11.34	7	80	14	99	0.00	0.0	4.511	0.002	0	0	0	21
PL.5719	PL.6075	C	1/0 AL URD	7.13Y	118.8	0.00	6.22	11.34	7	80	14	99	0.00	0.0	4.517	0.006	0	0	0	21
PL.6073	PL.5719	C	1/0 AL URD	7.13Y	118.8	0.00	6.22	11.34	7	80	14	99	0.00	0.0	4.525	0.008	0	0	0	21
PL.5720	PL.6073	C	1/0 AL URD	7.13Y	118.8	0.00	6.22	11.34	7	80	14	99	0.00	0.0	4.535	0.010	0	0	0	21
PL.5514	PL.5720	C	1/0 AL URD	7.13Y	118.8	0.00	6.23	11.34	7	80	14	99	0.00	0.0	4.549	0.014	0	0	0	21
PL.5721	PL.5514	C	1/0 AL URD	7.13Y	118.8	0.00	6.23	11.34	7	80	14	99	0.00	0.0	4.552	0.003	0	0	0	21
PL.5510	PL.5721	C	1/0 AL URD	7.13Y	118.8	0.00	6.23	11.34	7	80	14	99	0.00	0.0	4.555	0.003	0	0	0	21
PL.5722	PL.5510	C	1/0 AL URD	7.13Y	118.8	0.00	6.23	11.35	7	80	14	99	0.00	0.0	4.557	0.002	6	1	1	21
PL.5579	PL.5722	C	1/0 AL URD	7.13Y	118.8	0.00	6.23	10.47	6	73	13	98	0.00	0.0	4.562	0.005	0	0	0	20
PL.5580	PL.5579	C	1/0 AL URD	7.13Y	118.8	0.00	6.24	10.48	6	73	13	98	0.00	0.0	4.570	0.008	0	0	0	20
PL.5581	PL.5580	C	1/0 AL URD	7.13Y	118.8	0.00	6.24	10.48	6	73	13	98	0.00	0.0	4.572	0.002	0	0	0	20
PL.6068	PL.5581	C	1/0 AL URD	7.13Y	118.8	0.00	6.24	10.48	6	73	13	98	0.00	0.0	4.580	0.009	0	0	0	20
PL.6065	PL.6068	C	1/0 AL URD	7.13Y	118.8	0.00	6.24	10.48	6	73	13	98	0.00	0.0	4.596	0.015	0	0	0	20
PL.6066	PL.6065	C	1/0 AL URD	7.13Y	118.8	0.00	6.24	0.47	0	3	1	95	0.00	0.0	4.600	0.004	0	0	0	1
PL.6579	PL.6066	C	#1/0 ACSR	7.13Y	118.8	0.00	6.24	0.47	0	3	1	95	0.00	0.0	4.604	0.005	0	0	0	1
PD.1320	PL.6579	C	25T	7.13Y	118.8	0.00	6.24	0.47	0	3	1	95	0.00	0.0	4.604	0.005	0	0	0	1
PL.6580	PD.1320	C	#1/0 ACSR	7.13Y	118.8	0.00	6.24	0.47	0	3	1	95	0.00	0.0	4.648	0.044	3	1	1	1
PL.5305	PL.6065	C	1/0 AL URD	7.12Y	118.7	0.01	6.26	10.01	6	70	13	98	0.01	0.0	4.638	0.042	0	0	0	19
PL.6063	PL.5305	C	1/0 AL URD	7.12Y	118.7	0.00	6.26	10.01	6	70	13	98	0.00	0.0	4.647	0.009	0	0	0	19
PL.6064	PL.6063	C	1/0 AL URD	7.12Y	118.7	0.00	6.26	10.01	6	70	13	98	0.00	0.0	4.648	0.001	0	0	0	19
PL.6521	PL.6064	C	1/0 AL URD	7.12Y	118.7	0.00	6.26	10.01	6	70	13	98	0.00	0.0	4.655	0.007	21	4	5	19
PL.6522	PL.6521	C	1/0 AL URD	7.12Y	118.7	0.00	6.26	6.99	4	49	8	99	0.00	0.0	4.659	0.004	0	0	0	14
PL.6061	PL.6522	C	1/0 AL URD	7.12Y	118.7	0.00	6.26	6.99	4	49	8	99	0.00	0.0	4.665	0.006	0	0	0	14
PL.5306	PL.6061	C	1/0 AL URD	7.12Y	118.7	0.00	6.27	6.99	4	49	8	99	0.00	0.0	4.672	0.007	0	0	0	14

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Balanced Voltage Drop Report
Source: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.5307	PL.5306	C	1/0 AL URD	7.12Y	118.7	0.00	6.27	6.99	4	49	8	99	0.00	0.0	4.684	0.012	0	0	0	14
PL.5308	PL.5307	C	1/0 AL URD	7.12Y	118.7	0.00	6.27	6.99	4	49	9	98	0.00	0.0	4.689	0.005	0	0	0	14
PL.6057	PL.5308	C	1/0 AL URD	7.12Y	118.7	0.00	6.27	6.99	4	49	9	98	0.00	0.0	4.696	0.007	0	0	0	14
PL.6058	PL.6057	C	1/0 AL URD	7.12Y	118.7	0.00	6.27	6.99	4	49	9	98	0.00	0.0	4.697	0.001	0	0	0	14
PL.6523	PL.6058	C	1/0 AL URD	7.12Y	118.7	0.00	6.27	6.99	4	49	9	98	0.00	0.0	4.701	0.004	11	2	4	14
PL.6524	PL.6523	C	1/0 AL URD	7.12Y	118.7	0.00	6.27	5.44	3	38	6	99	0.00	0.0	4.707	0.006	0	0	0	10
PL.6055	PL.6524	C	1/0 AL URD	7.12Y	118.7	0.00	6.27	5.44	3	38	6	99	0.00	0.0	4.719	0.012	0	0	0	10
PL.6056	PL.6055	C	1/0 AL URD	7.12Y	118.7	0.00	6.27	5.44	3	38	6	99	0.00	0.0	4.720	0.001	0	0	0	10
PL.6525	PL.6056	C	1/0 AL URD	7.12Y	118.7	0.00	6.28	5.44	3	38	6	99	0.00	0.0	4.726	0.005	14	3	4	10
PL.6526	PL.6525	C	1/0 AL URD	7.12Y	118.7	0.00	6.28	3.49	2	25	4	99	0.00	0.0	4.734	0.008	0	0	0	6
PL.6052	PL.6526	C	1/0 AL URD	7.12Y	118.7	0.00	6.28	3.49	2	25	4	99	0.00	0.0	4.770	0.037	0	0	0	6
PL.6053	PL.6052	C	1/0 AL URD	7.12Y	118.7	0.00	6.28	3.49	2	25	4	99	0.00	0.0	4.772	0.001	0	0	0	6
PL.6527	PL.6053	C	1/0 AL URD	7.12Y	118.7	0.00	6.28	3.49	2	25	4	99	0.00	0.0	4.792	0.020	8	2	1	6
PL.6528	PL.6527	C	1/0 AL URD	7.12Y	118.7	0.00	6.28	2.35	1	17	2	99	0.00	0.0	4.799	0.008	0	0	0	5
PL.5566	PL.6528	C	1/0 AL URD	7.12Y	118.7	0.00	6.28	2.35	1	17	2	99	0.00	0.0	4.809	0.010	0	0	0	5
PL.5567	PL.5566	C	1/0 AL URD	7.12Y	118.7	0.00	6.29	2.35	1	17	2	99	0.00	0.0	4.835	0.026	0	0	0	5
PL.6046	PL.5567	C	1/0 AL URD	7.12Y	118.7	0.00	6.29	2.36	1	17	2	99	0.00	0.0	4.877	0.042	0	0	0	5
PL.6047	PL.6046	C	1/0 AL URD	7.12Y	118.7	0.00	6.29	2.36	1	17	2	99	0.00	0.0	4.879	0.001	0	0	0	5
PL.6042	PL.6047	C	1/0 AL URD	7.12Y	118.7	0.00	6.29	2.36	1	17	2	99	0.00	0.0	4.885	0.007	0	0	0	5
PL.6043	PL.6042	C	1/0 AL URD	7.12Y	118.7	0.00	6.29	2.36	1	17	2	99	0.00	0.0	4.890	0.005	0	0	0	5
PL.5723	PL.6043	C	1/0 AL URD	7.12Y	118.7	0.00	6.29	0.37	0	3	1	95	0.00	0.0	4.894	0.004	3	1	1	1
PL.5568	PL.6043	C	1/0 AL URD	7.12Y	118.7	0.01	6.30	1.99	1	14	2	99	0.00	0.0	5.020	0.130	0	0	0	4
PL.5573	PL.5568	C	1/0 AL URD	7.12Y	118.7	0.00	6.30	0.06	0	0	0	100	0.00	0.0	5.022	0.002	0	0	1	1
PL.5574	PL.5568	C	1/0 AL URD	7.12Y	118.7	0.00	6.30	1.94	1	14	2	99	0.00	0.0	5.030	0.010	0	0	0	3
PL.5575	PL.5574	C	1/0 AL URD	7.12Y	118.7	0.00	6.30	1.94	1	14	2	99	0.00	0.0	5.064	0.034	0	0	0	3
PL.6036	PL.5575	C	1/0 AL URD	7.12Y	118.7	0.00	6.30	1.95	1	14	2	99	0.00	0.0	5.105	0.041	0	0	0	3
PL.6037	PL.6036	C	1/0 AL URD	7.12Y	118.7	0.00	6.30	1.95	1	14	3	98	0.00	0.0	5.106	0.001	0	0	0	3
PL.5576	PL.6037	C	1/0 AL URD	7.12Y	118.7	0.00	6.30	1.95	1	14	3	98	0.00	0.0	5.116	0.010	11	2	2	3
PL.5577	PL.5576	C	1/0 AL URD	7.12Y	118.7	0.00	6.30	0.41	0	3	0	100	0.00	0.0	5.126	0.011	0	0	0	1
PL.6040	PL.5577	C	1/0 AL URD	7.12Y	118.7	0.00	6.30	0.41	0	3	0	100	0.00	0.0	5.159	0.032	0	0	0	1
PL.6041	PL.6040	C	1/0 AL URD	7.12Y	118.7	0.00	6.30	0.42	0	3	1	95	0.00	0.0	5.160	0.002	0	0	0	1

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Balanced Voltage Drop Report
Source: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.5578	PL.6041	C	1/0 AL URD	7.12Y	118.7	0.00	6.30	0.42	0	3	1	95	0.00	0.0	5.167	0.007	3	1	1	1
PL.6077	PL.6216	ABC	#1/0 ACSR	7.13Y	118.8	0.00	6.21	2.16	1	46	3	100	0.00	0.0	4.528	0.027	10	2	1	8
PL.6078	PL.6077	ABC	#1/0 ACSR	7.13Y	118.8	0.00	6.21	1.41	1	30	2	100	0.00	0.0	4.605	0.077	0	0	0	6
PL.5583	PL.6078	ABC	#3/0 ACSR	7.13Y	118.8	0.00	6.21	1.03	0	22	0	100	0.00	0.0	4.611	0.006	0	0	0	4
PL.6799	PL.5583	ABC	1/0 AL URD	7.13Y	118.8	0.00	6.21	1.03	1	22	0	100	0.00	0.0	4.616	0.005	0	0	0	4
PD.1438	PL.6799	ABC	40T	7.13Y	118.8	0.00	6.21	1.03	0	22	0	100	0.00	0.0	4.616	0.005	0	0	0	4
PL.6800	PD.1438	ABC	1/0 AL URD	7.13Y	118.8	0.00	6.22	1.03	1	22	0	100	0.00	0.0	4.677	0.061	0	0	0	4
PL.5584	PL.6800	A	1/0 AL URD	7.13Y	118.8	0.00	6.22	1.25	1	9	2	98	0.00	0.0	4.702	0.025	9	2	2	2
PL.6085	PL.6800	ABC	1/0 AL URD	7.13Y	118.8	0.00	6.22	0.62	0	13	-1	-100	0.00	0.0	4.814	0.137	0	0	0	2
PL.5587	PL.6085	ABC	1/0 AL URD	7.13Y	118.8	0.00	6.22	0.47	0	10	0	100	0.00	0.0	4.926	0.112	0	0	0	1
PL.5585	PL.5587	C	1/0 AL URD	7.13Y	118.8	0.00	6.22	1.43	1	10	2	98	0.00	0.0	5.027	0.101	10	2	1	1
PL.6086	PL.6085	ABC	1/0 AL URD	7.13Y	118.8	0.00	6.22	0.15	0	3	0	100	0.00	0.0	4.880	0.066	0	0	0	1
PL.5586	PL.6086	C	1/0 AL URD	7.13Y	118.8	0.00	6.22	0.46	0	3	1	95	0.00	0.0	4.906	0.027	3	1	1	1
PL.5582	PL.6078	C	#2/0 ACSR	7.13Y	118.8	0.00	6.21	1.17	0	8	2	97	0.00	0.0	4.610	0.005	0	0	0	2
PD.1316	PL.5582	C	40T	7.13Y	118.8	0.00	6.21	1.17	0	8	2	97	0.00	0.0	4.610	0.005	0	0	0	2
PL.5822	PD.1316	C	#2/0 ACSR	7.13Y	118.8	0.00	6.21	1.17	0	8	2	97	0.00	0.0	4.677	0.067	7	2	1	2
PL.6220	PL.5822	C	#1/0 ACSR	7.13Y	118.8	0.00	6.21	0.10	0	1	0	100	0.00	0.0	4.808	0.131	1	0	1	1
PL.28280	PL.6220	C	#1/0 ACSR	7.13Y	118.8	0.00	6.21	0.00	0	0	0	100	0.00	0.0	4.880	0.073	0	0	0	0
PL.6583	PL.6077	C	1/0 AL URD	7.13Y	118.8	0.00	6.21	0.84	0	6	-1	-99	0.00	0.0	4.532	0.005	0	0	0	1
PD.1322	PL.6583	C	40T	7.13Y	118.8	0.00	6.21	0.84	0	6	-1	-99	0.00	0.0	4.532	0.005	0	0	0	1
PL.6584	PD.1322	C	1/0 AL URD	7.13Y	118.8	0.00	6.21	0.84	0	6	-1	-99	0.00	0.0	4.543	0.011	0	0	0	1
PL.6071	PL.6584	C	1/0 AL URD	7.13Y	118.8	0.00	6.21	0.84	0	6	-1	-99	0.00	0.0	4.556	0.013	0	0	0	1
PL.6072	PL.6071	C	1/0 AL URD	7.13Y	118.8	0.00	6.21	0.84	0	6	-1	-99	0.00	0.0	4.557	0.001	0	0	0	1
PL.5303	PL.6072	C	1/0 AL URD	7.13Y	118.8	0.00	6.21	0.84	0	6	-1	-99	0.00	0.0	4.573	0.017	0	0	0	1
PL.5512	PL.5303	C	1/0 AL URD	7.13Y	118.8	0.00	6.21	0.84	0	6	0	100	0.00	0.0	4.582	0.009	0	0	0	1
PL.5513	PL.5512	C	1/0 AL URD	7.13Y	118.8	0.00	6.21	0.84	0	6	0	100	0.00	0.0	4.587	0.005	0	0	0	1
PL.5507	PL.5513	C	1/0 AL URD	7.13Y	118.8	0.00	6.21	0.84	0	6	0	100	0.00	0.0	4.597	0.009	0	0	0	1
PL.5504	PL.5507	C	1/0 AL URD	7.13Y	118.8	0.00	6.21	0.84	0	6	0	100	0.00	0.0	4.607	0.010	0	0	0	1
PL.6067	PL.5504	C	1/0 AL URD	7.13Y	118.8	0.00	6.21	0.84	0	6	0	100	0.00	0.0	4.608	0.001	0	0	0	1
PL.5304	PL.6067	C	1/0 AL URD	7.13Y	118.8	0.00	6.21	0.84	0	6	0	100	0.00	0.0	4.615	0.007	0	0	0	1
PL.5714	PL.5304	C	1/0 AL URD	7.13Y	118.8	0.00	6.21	0.84	0	6	0	100	0.00	0.0	4.620	0.005	0	0	0	1

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Balanced Voltage Drop Report
Source: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.5715	PL.5714	C	1/0 AL URD	7.13Y	118.8	0.00	6.22	0.84	0	6	0	100	0.00	0.0	4.670	0.050	0	0	0	1
PL.5716	PL.5715	C	1/0 AL URD	7.13Y	118.8	0.00	6.22	0.83	0	6	0	100	0.00	0.0	4.706	0.036	0	0	0	1
PL.6059	PL.5716	C	1/0 AL URD	7.13Y	118.8	0.00	6.22	0.83	0	6	0	100	0.00	0.0	4.723	0.017	0	0	0	1
PL.6060	PL.6059	C	1/0 AL URD	7.13Y	118.8	0.00	6.22	0.83	0	6	0	100	0.00	0.0	4.725	0.002	0	0	0	1
PL.5717	PL.6060	C	1/0 AL URD	7.13Y	118.8	0.00	6.22	0.83	0	6	0	100	0.00	0.0	4.758	0.034	0	0	0	1
PL.5569	PL.5717	C	1/0 AL URD	7.13Y	118.8	0.00	6.22	0.83	0	6	0	100	0.00	0.0	4.780	0.021	0	0	0	1
PL.5570	PL.5569	C	1/0 AL URD	7.13Y	118.8	0.00	6.22	0.84	0	6	0	100	0.00	0.0	4.822	0.043	0	0	0	1
PL.6048	PL.5570	C	1/0 AL URD	7.13Y	118.8	0.00	6.22	0.84	0	6	0	100	0.00	0.0	4.859	0.037	0	0	0	1
PL.6049	PL.6048	C	1/0 AL URD	7.13Y	118.8	0.00	6.22	0.84	0	6	1	99	0.00	0.0	4.861	0.001	0	0	0	1
PL.6044	PL.6049	C	1/0 AL URD	7.13Y	118.8	0.00	6.22	0.84	0	6	1	99	0.00	0.0	4.884	0.023	0	0	0	1
PL.6045	PL.6044	C	1/0 AL URD	7.13Y	118.8	0.00	6.22	0.84	0	6	1	99	0.00	0.0	4.884	0.001	0	0	0	1
PL.5571	PL.6045	C	1/0 AL URD	7.13Y	118.8	0.00	6.22	0.84	0	6	1	99	0.00	0.0	4.957	0.072	0	0	0	1
PL.5572	PL.5571	C	1/0 AL URD	7.13Y	118.8	0.00	6.22	0.84	0	6	1	99	0.00	0.0	4.961	0.004	6	1	1	1
PL.5724	PL.5572	C	1/0 AL URD	7.13Y	118.8	-0.00	6.22	-0.04	0	0	0	100	0.00	0.0	4.983	0.023	0	0	0	0
PL.5725	PL.5724	C	1/0 AL URD	7.13Y	118.8	-0.00	6.22	-0.03	0	0	0	100	0.00	0.0	5.032	0.049	0	0	0	0
PL.5726	PL.5725	C	1/0 AL URD	7.13Y	118.8	0.00	6.22	-0.00	0	0	0	100	0.00	0.0	5.040	0.008	0	0	0	0
PL.5301	PL.6792	A	#4 ACSR	7.13Y	118.8	0.00	6.18	1.74	1	12	3	97	0.00	0.0	4.261	0.005	0	0	0	2
PD.1388	PL.5301	A	40T	7.13Y	118.8	0.00	6.18	1.74	0	12	3	97	0.00	0.0	4.261	0.005	0	0	0	2
PL.5776	PD.1388	A	#4 ACSR	7.13Y	118.8	0.00	6.18	0.67	1	5	1	98	0.00	0.0	4.294	0.033	5	1	1	1
PL.6081	PD.1388	A	#4 ACSR	7.13Y	118.8	0.00	6.18	1.07	1	7	2	96	0.00	0.0	4.272	0.011	0	0	0	1
PL.5302	PL.6081	A	#4 ACSR	7.13Y	118.8	0.00	6.18	1.07	1	7	2	96	0.00	0.0	4.357	0.085	7	2	1	1
PL.6519	PL.6238	ABC	#4 ACSR	7.20Y	119.9	0.00	5.06	0.31	0	6	2	95	0.00	0.0	2.872	0.047	2	1	1	2
PL.6520	PL.6519	ABC	#4 ACSR	7.20Y	119.9	0.00	5.06	0.23	0	5	1	98	0.00	0.0	2.932	0.060	5	1	1	1
PL.5495	PL.6520	C	#4 ACSR	7.20Y	119.9	0.00	5.06	0.00	0	0	0	100	0.00	0.0	2.953	0.021	0	0	0	0
PL.5496	PL.5495	C	#4 ACSR	7.20Y	119.9	0.00	5.06	0.00	0	0	0	100	0.00	0.0	3.011	0.057	0	0	0	0
PL.6601	PL.5767	C	6 A (CWC)	7.21Y	120.1	0.00	4.86	0.31	0	2	0	100	0.00	0.0	2.607	0.005	0	0	0	1
PD.1331	PL.6601	C	65T	7.21Y	120.1	0.00	4.86	0.31	0	2	0	100	0.00	0.0	2.607	0.005	0	0	0	1
PL.6602	PD.1331	C	6 A (CWC)	7.21Y	120.1	0.00	4.86	0.31	0	2	0	100	0.00	0.0	2.636	0.029	2	0	1	1
PL.6603	PL.6240	A	#1/0 ACSR	7.22Y	120.3	0.00	4.74	0.74	0	5	1	98	0.00	0.0	2.504	0.005	0	0	0	1
PD.1332	PL.6603	A	65T	7.22Y	120.3	0.00	4.74	0.74	0	5	1	98	0.00	0.0	2.504	0.005	0	0	0	1
PL.6604	PD.1332	A	#1/0 ACSR	7.22Y	120.3	0.00	4.74	0.74	0	5	1	98	0.00	0.0	2.541	0.036	5	1	1	1

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

Balanced Voltage Drop Report
Source: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.6605	PL.5371	C	#4 ACSR	7.23Y	120.5	0.00	4.49	7.85	6	56	12	98	0.00	0.0	2.276	0.005	0	0	0	10
PD.1333	PL.6605	C	65T	7.23Y	120.5	0.00	4.49	7.85	0	56	12	98	0.00	0.0	2.276	0.005	0	0	0	10
PL.6606	PD.1333	C	#4 ACSR	7.23Y	120.5	0.01	4.50	7.85	6	56	12	98	0.01	0.0	2.320	0.044	9	2	1	10
PL.5473	PL.6606	C	6 A (CWC)	7.23Y	120.5	0.00	4.50	3.12	2	22	5	98	0.00	0.0	2.359	0.039	22	5	4	4
PL.6246	PL.6606	C	6 A (CWC)	7.23Y	120.5	0.00	4.50	0.35	0	2	1	89	0.00	0.0	2.367	0.048	0	0	1	2
PL.6247	PL.6246	C	6 A (CWC)	7.23Y	120.5	0.00	4.50	0.35	0	2	1	89	0.00	0.0	2.387	0.020	2	1	1	1
PL.6013	PL.6606	C	#4 ACSR	7.23Y	120.5	0.00	4.51	1.83	1	13	3	97	0.00	0.0	2.370	0.050	0	0	0	2
PL.5480	PL.6013	C	#1/0 ACSR	7.23Y	120.5	0.00	4.51	1.83	1	13	3	97	0.00	0.0	2.386	0.016	13	3	2	2
PL.5369	PL.6606	C	#4 ACSR	7.23Y	120.5	0.00	4.50	1.32	1	9	2	98	0.00	0.0	2.362	0.043	9	2	1	1
PL.5367	PL.6011	A	#4 ACSR	7.25Y	120.8	0.00	4.22	1.44	1	10	2	98	0.00	0.0	2.161	0.042	4	1	1	2
PL.5368	PL.5367	A	#4 ACSR	7.25Y	120.8	0.00	4.22	0.82	1	6	1	99	0.00	0.0	2.221	0.060	6	1	1	1
PL.6611	PL.6608	C	#2 ACSR	7.29Y	121.6	0.00	3.42	0.51	0	4	1	97	0.00	0.0	1.741	0.005	0	0	0	1
PD.1336	PL.6611	C	65T	7.29Y	121.6	0.00	3.42	0.51	0	4	1	97	0.00	0.0	1.741	0.005	0	0	0	1
PL.6612	PD.1336	C	#2 ACSR	7.29Y	121.6	0.00	3.42	0.51	0	4	1	97	0.00	0.0	1.891	0.150	4	1	1	1
PL.6723	PL.5354	C	6 A (CWC)	7.30Y	121.7	0.00	3.35	6.39	5	46	10	98	0.00	0.0	1.691	0.005	0	0	0	11
PD.1398	PL.6723	C	65T	7.30Y	121.7	0.00	3.35	6.39	0	46	10	98	0.00	0.0	1.691	0.005	0	0	0	11
PL.6724	PD.1398	C	6 A (CWC)	7.30Y	121.6	0.02	3.37	6.39	5	46	10	98	0.01	0.0	1.779	0.089	2	0	1	11
PL.6012	PL.6724	C	6 A (CWC)	7.30Y	121.6	0.01	3.38	4.72	3	34	7	98	0.00	0.0	1.818	0.039	0	0	0	8
PL.5365	PL.6012	C	#2 ACSR	7.30Y	121.6	0.00	3.38	0.48	0	3	1	95	0.00	0.0	1.872	0.053	3	1	1	1
PL.5366	PL.6012	C	#2 ACSR	7.30Y	121.6	0.00	3.38	1.25	1	9	2	98	0.00	0.0	1.848	0.030	9	2	1	1
PL.6260	PL.6012	C	#2 ACSR	7.30Y	121.6	0.00	3.39	3.00	2	21	4	98	0.00	0.0	1.873	0.055	18	4	4	6
PL.6263	PL.6260	C	#2 ACSR	7.30Y	121.6	0.00	3.39	0.54	0	4	1	97	0.00	0.0	1.918	0.045	4	1	2	2
PL.6264	PL.6263	C	#2 ACSR	7.30Y	121.6	0.00	3.39	0.00	0	0	0	100	0.00	0.0	2.011	0.093	0	0	0	0
PL.6261	PL.6724	C	#2 ACSR	7.30Y	121.6	0.00	3.37	1.43	1	10	2	98	0.00	0.0	1.797	0.017	6	1	1	2
PL.6262	PL.6261	C	#2 ACSR	7.30Y	121.6	0.00	3.37	0.56	0	4	1	97	0.00	0.0	1.843	0.047	4	1	1	1
PL.5343	PL.5338	A	#2 ACSR	7.36Y	122.7	0.01	2.25	7.79	4	56	12	98	0.00	0.0	1.199	0.038	2	0	1	10
PL.5344	PL.5343	A	#2 ACSR	7.36Y	122.7	0.00	2.26	4.45	3	32	7	98	0.00	0.0	1.248	0.049	32	7	4	4
PL.6619	PL.5343	A	#2 ACSR	7.36Y	122.7	0.00	2.25	3.02	2	22	5	98	0.00	0.0	1.204	0.005	0	0	0	5
PD.1341	PL.6619	A	40T	7.36Y	122.7	0.00	2.25	3.02	0	22	5	98	0.00	0.0	1.204	0.005	0	0	0	5
PL.6620	PD.1341	A	#2 ACSR	7.36Y	122.7	0.00	2.25	3.02	2	22	5	98	0.00	0.0	1.212	0.008	22	5	5	5
PL.6314	PL.6006	ABC	336 MCM AC	7.38Y	123.1	0.00	1.95	1.70	0	37	8	98	0.00	0.0	1.120	0.084	37	8	6	6

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Balanced Voltage Drop Report
Source: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.6803	PL.6314	ABC	336 MCM AC	7.38Y	123.1	0.00	1.95	0.00	0	0	0	100	0.00	0.0	1.161	0.040	0	0	0	0
PD.1440-A	PL.6803	ABC	Open	7.38Y	123.1	0.00	1.95	0.00	0	0	0	100	0.00	0.0	1.161	0.040	0	0	0	0
PL.6822	PL.5336	B	6 A (CWC)	7.39Y	123.2	0.00	1.84	10.40	7	75	16	98	0.00	0.0	0.975	0.003	0	0	0	20
PD.1453	PL.6822	B	70L	7.39Y	123.2	0.00	1.84	10.40	15	75	16	98	0.00	0.0	0.975	0.003	0	0	0	20
PL.6823	PD.1453	B	6 A (CWC)	7.39Y	123.1	0.04	1.88	10.40	7	75	16	98	0.02	0.0	1.065	0.091	8	2	4	20
PL.5340	PL.6823	B	#2 ACSR	7.39Y	123.1	0.01	1.89	7.11	4	51	11	98	0.00	0.0	1.106	0.041	0	0	0	13
PL.5322	PL.5340	B	6 A (CWC)	7.39Y	123.1	0.02	1.91	6.12	4	44	9	98	0.01	0.0	1.172	0.067	7	2	3	10
PL.5321	PL.5322	B	#4 ACSR	7.39Y	123.1	0.00	1.91	2.51	2	18	4	98	0.00	0.0	1.230	0.058	18	4	4	4
PL.5320	PL.5322	B	6 A (CWC)	7.39Y	123.1	0.01	1.91	2.59	2	19	4	98	0.00	0.0	1.233	0.061	10	2	2	3
PL.5319	PL.5320	B	6 A (CWC)	7.39Y	123.1	0.00	1.91	1.26	1	9	2	98	0.00	0.0	1.253	0.020	0	0	0	1
PL.5318	PL.5319	B	#4 ACSR	7.39Y	123.1	0.00	1.92	1.26	1	9	2	98	0.00	0.0	1.275	0.021	0	0	0	1
PL.5317	PL.5318	B	#2 ACSR	7.38Y	123.1	0.00	1.92	1.26	1	9	2	98	0.00	0.0	1.317	0.043	9	2	1	1
PL.5733	PL.5340	B	#2 ACSR	7.39Y	123.1	0.00	1.89	0.99	1	7	1	99	0.00	0.0	1.153	0.047	2	0	2	3
PL.5341	PL.5733	B	#2 ACSR	7.39Y	123.1	0.00	1.89	0.70	0	5	1	98	0.00	0.0	1.170	0.017	0	0	0	1
PL.5342	PL.5341	B	#2 ACSR	7.39Y	123.1	0.00	1.89	0.70	0	5	1	98	0.00	0.0	1.209	0.039	5	1	1	1
PL.5339	PL.6823	B	6 A (CWC)	7.39Y	123.1	0.00	1.89	2.17	2	16	3	98	0.00	0.0	1.159	0.094	16	3	3	3
PL.5324	PL.6018	A	#4 ACSR	7.41Y	123.5	0.00	1.50	3.14	2	23	5	98	0.00	0.0	0.777	0.006	0	0	0	4
PD.1394	PL.5324	A	20T	7.41Y	123.5	0.00	1.50	3.14	0	23	5	98	0.00	0.0	0.777	0.006	0	0	0	4
PL.5728	PD.1394	A	#4 ACSR	7.41Y	123.5	0.00	1.50	3.14	2	23	5	98	0.00	0.0	0.841	0.063	23	5	4	4
PL.6015	PD.1394	A	#2 ACSR	7.41Y	123.5	0.00	1.50	0.00	0	0	0	100	0.00	0.0	0.781	0.003	0	0	0	0
PL.5323	PL.6015	A	#2 ACSR	7.41Y	123.5	0.00	1.50	0.00	0	0	0	100	0.00	0.0	0.848	0.068	0	0	0	0
PL.6279	PL.7177	ABC	#4 ACSR	7.43Y	123.8	0.00	1.22	0.32	0	7	1	99	0.00	0.0	0.650	0.033	2	0	1	4
PL.6280	PL.6279	ABC	#4 ACSR	7.43Y	123.8	0.00	1.22	0.24	0	5	1	98	0.00	0.0	0.827	0.177	5	1	3	3
PL.5315	PL.6280	ABC	#4 ACSR	7.43Y	123.8	0.00	1.22	0.00	0	0	0	100	0.00	0.0	0.870	0.043	0	0	0	0
CP.11	PL.7176	ABC	Cap (300)	7.43Y	123.9	0.00	1.14	0.00	0	0	0	100	0.00	0.0	0.571	0.043	0	0	0	0
PL.7187	PL.6283	ABC	#1/0 ACSR	7.45Y	124.1	0.00	0.88	22.91	10	464	217	91	0.00	0.0	0.428	0.002	0	0	0	7
PD.1539	PL.7187	ABC	65T	7.45Y	124.1	0.00	0.88	22.91	0	464	217	91	0.00	0.0	0.428	0.002	0	0	0	7
PL.7188	PD.1539	ABC	#1/0 ACSR	7.45Y	124.1	0.04	0.92	22.91	10	464	217	91	0.12	0.0	0.515	0.088	2	0	1	7
PL.6023	PL.7188	ABC	#1/0 ACSR	7.44Y	124.1	0.02	0.94	22.41	10	452	214	90	0.07	0.0	0.567	0.052	0	0	0	4
PL.5311	PL.6023	ABC	#1/0 ACSR	7.44Y	124.1	0.01	0.95	22.12	10	445	215	90	0.02	0.0	0.618	0.050	432	209	1	2
PL.5713	PL.5311	ABC	#1/0 ACSR	7.44Y	124.1	0.00	0.95	0.63	0	13	5	93	0.00	0.0	0.619	0.001	0	0	0	1

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Balanced Voltage Drop Report
Source: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.7172	PL.5713	ABC	1/0 AL URD	7.44Y	124.1	0.00	0.95	0.63	0	13	5	93	0.00	0.0	0.622	0.003	0	0	0	1
PD.1533	PL.7172	ABC	65T	7.44Y	124.1	0.00	0.95	0.63	0	13	5	93	0.00	0.0	0.622	0.003	0	0	0	1
PL.7173	PD.1533	ABC	1/0 AL URD	7.44Y	124.1	0.00	0.95	0.63	0	13	5	93	0.00	0.0	0.704	0.081	13	6	1	1
PL.5727	PL.6023	ABC	#1/0 ACSR	7.44Y	124.1	0.00	0.94	0.32	0	7	0	100	0.00	0.0	0.570	0.003	0	0	0	2
PL.7174	PL.5727	ABC	1/0 AL URD	7.44Y	124.1	0.00	0.94	0.32	0	7	0	100	0.00	0.0	0.573	0.003	0	0	0	2
PD.1534	PL.7174	ABC	65T	7.44Y	124.1	0.00	0.94	0.32	0	7	0	100	0.00	0.0	0.573	0.003	0	0	0	2
PL.7175	PD.1534	ABC	1/0 AL URD	7.44Y	124.1	0.00	0.94	0.32	0	7	0	100	0.00	0.0	0.602	0.029	0	0	0	2
PL.5406	PL.7175	A	1/0 AL URD	7.44Y	124.1	0.00	0.94	0.75	0	6	1	99	0.00	0.0	0.689	0.087	6	1	1	1
PL.5407	PL.7175	ABC	1/0 AL URD	7.44Y	124.1	0.00	0.94	0.08	0	2	-1	-89	0.00	0.0	0.723	0.121	2	1	1	1
PL.6627	PL.7188	A	#2 ACSR	7.45Y	124.1	0.00	0.92	1.24	1	9	2	98	0.00	0.0	0.520	0.005	0	0	0	2
PD.1344	PL.6627	A	65T	7.45Y	124.1	0.00	0.92	1.24	0	9	2	98	0.00	0.0	0.520	0.005	0	0	0	2
PL.6628	PD.1344	A	#2 ACSR	7.44Y	124.1	0.00	0.92	1.24	1	9	2	98	0.00	0.0	0.580	0.060	2	0	1	2
PL.5314	PL.6628	A	#2 ACSR	7.44Y	124.1	0.00	0.92	0.95	1	7	1	99	0.00	0.0	0.631	0.051	7	1	1	1
PL.7169	PL.6278	ABC	336 MCM AC	7.46Y	124.3	0.00	0.74	0.00	0	0	0	100	0.00	0.0	0.357	0.000	0	0	0	0
PL.7122	Greenbriar	ABC	336 MCM AC	7.50Y	125.0	0.01	0.01	97.83	19	2099	662	95	0.07	0.0	0.009	0.009	0	0	0	374
PL.7528	PL.7122	ABC	336 MCM AC	7.50Y	125.0	0.00	0.01	97.83	19	2099	662	95	0.02	0.0	0.012	0.002	0	0	0	374
---------- Feeder No. 3 (Manchester F3) Beginning with Device PD.1908 ----------																				
PD.1908	PL.7528	ABC	480VWE	7.50Y	125.0	0.00	0.01	97.83	0	2099	661	95	0.00	0.0	0.012	0.002	0	0	0	374
PL.7529	PD.1908	ABC	336 MCM AC	7.50Y	125.0	0.01	0.02	97.83	19	2099	661	95	0.08	0.0	0.021	0.009	0	0	0	374
PL.7091	PL.7529	A	#4 ACSR	7.50Y	125.0	0.00	0.02	3.98	3	29	6	98	0.00	0.0	0.025	0.005	0	0	0	11
PD.1466	PL.7091	A	65T	7.50Y	125.0	0.00	0.02	3.98	0	29	6	98	0.00	0.0	0.025	0.005	0	0	0	11
PL.7092	PD.1466	A	#4 ACSR	7.50Y	125.0	0.01	0.03	3.98	3	29	6	98	0.00	0.0	0.102	0.077	0	0	0	11
PL.6847	PL.7092	A	#4 ACSR	7.50Y	125.0	0.00	0.03	2.21	2	16	3	98	0.00	0.0	0.184	0.081	16	3	3	3
PL.6972	PL.7092	A	#4 ACSR	7.50Y	125.0	0.00	0.03	1.77	1	13	3	97	0.00	0.0	0.148	0.046	0	0	0	8
PL.7002	PL.6972	A	6 A (CWC)	7.50Y	125.0	0.00	0.04	1.77	1	13	3	97	0.00	0.0	0.174	0.025	0	0	2	8
PL.7003	PL.7002	A	6 A (CWC)	7.50Y	125.0	0.00	0.04	1.77	1	13	3	97	0.00	0.0	0.235	0.061	13	3	2	6
PL.6970	PL.7003	A	6 A (CWC)	7.50Y	125.0	0.00	0.04	0.06	0	0	0	100	0.00	0.0	0.275	0.041	0	0	4	4
PL.6848	PL.7529	ABC	336 MCM AC	7.50Y	125.0	0.00	0.02	0.34	0	7	2	96	0.00	0.0	0.037	0.016	2	1	4	6
PL.6849	PL.6848	ABC	#1/0 ACSR	7.50Y	125.0	0.00	0.02	0.23	0	5	1	98	0.00	0.0	0.079	0.041	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: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.5562	PL.6849	ABC	#1/0 ACSR	7.50Y	125.0	0.00	0.02	0.23	0	5	1	98	0.00	0.0	0.142	0.063	0	0	1	2
PL.5563	PL.5562	ABC	#1/0 ACSR	7.50Y	125.0	0.00	0.02	0.22	0	5	1	98	0.00	0.0	0.166	0.024	5	1	1	1
PL.5564	PL.5563	ABC	#1/0 ACSR	7.50Y	125.0	0.00	0.02	0.00	0	0	0	100	0.00	0.0	0.170	0.003	0	0	0	0
PL.6971	PL.7529	ABC	336 MCM AC	7.50Y	124.9	0.05	0.07	96.17	19	2063	654	95	0.54	0.0	0.091	0.070	0	0	0	357
PL.7186	PL.6971	ABC	336 MCM AC	7.48Y	124.7	0.20	0.27	96.17	19	2062	652	95	2.08	0.1	0.358	0.267	0	0	0	357
PL.6850	PL.7186	ABC	336 MCM AC	7.48Y	124.7	0.02	0.28	96.17	19	2060	647	95	0.18	0.0	0.381	0.023	0	0	0	357
PL.7004	PL.6850	ABC	336 MCM AC	7.48Y	124.7	0.03	0.31	96.17	19	2060	647	95	0.28	0.0	0.417	0.036	1	0	1	357
PL.7005	PL.7004	ABC	336 MCM AC	7.48Y	124.7	0.01	0.32	96.11	19	2058	646	95	0.10	0.0	0.429	0.012	0	0	0	356
PL.5952	PL.7005	ABC	1/0 AL URD	7.48Y	124.7	0.00	0.32	8.79	5	180	81	91	0.00	0.0	0.434	0.005	0	0	0	3
PD.1496	PL.5952	ABC	65T	7.48Y	124.7	0.00	0.32	8.79	0	180	81	91	0.00	0.0	0.434	0.005	0	0	0	3
PL.5953	PD.1496	ABC	1/0 AL URD	7.48Y	124.7	0.01	0.33	8.79	5	180	81	91	0.02	0.0	0.506	0.073	0	0	0	3
PL.6851	PL.5953	ABC	1/0 AL URD	7.48Y	124.7	0.00	0.33	0.73	0	15	7	91	0.00	0.0	0.548	0.041	15	7	1	1
PL.6852	PL.5953	ABC	1/0 AL URD	7.48Y	124.7	0.00	0.34	8.07	5	165	75	91	0.00	0.0	0.531	0.024	150	72	1	2
PL.6869	PL.6852	A	1/0 AL URD	7.48Y	124.7	0.00	0.34	2.06	1	15	3	98	0.00	0.0	0.574	0.044	15	3	1	1
PL.6974	PL.7005	ABC	336 MCM AC	7.48Y	124.6	0.06	0.38	87.40	17	1878	565	96	0.58	0.0	0.519	0.090	2	0	1	353
PL.6975	PL.6974	ABC	336 MCM AC	7.47Y	124.6	0.05	0.43	86.96	17	1868	562	96	0.46	0.0	0.591	0.072	0	0	0	351
PL.7103	PL.6975	C	#4 ACSR	7.47Y	124.6	0.00	0.43	3.93	3	29	6	98	0.00	0.0	0.596	0.005	0	0	0	10
PD.1472	PL.7103	C	65T	7.47Y	124.6	0.00	0.43	3.93	0	29	6	98	0.00	0.0	0.596	0.005	0	0	0	10
PL.7104	PD.1472	C	#4 ACSR	7.47Y	124.6	0.00	0.43	3.93	3	29	6	98	0.00	0.0	0.609	0.013	12	2	5	10
PL.7001	PL.7104	C	#4 ACSR	7.47Y	124.6	0.00	0.43	2.32	2	17	4	97	0.00	0.0	0.656	0.047	17	4	5	5
PL.6976	PL.6975	ABC	336 MCM AC	7.47Y	124.5	0.03	0.46	85.66	17	1839	554	96	0.28	0.0	0.637	0.046	6	1	4	341
PL.6853	PL.6976	ABC	336 MCM AC	7.47Y	124.5	0.02	0.48	85.38	16	1833	552	96	0.23	0.0	0.675	0.038	3	1	1	337
PL.5565	PL.6853	ABC	336 MCM AC	7.47Y	124.5	0.01	0.49	84.60	16	1815	548	96	0.11	0.0	0.693	0.018	4	1	3	331
PL.6993	PL.5565	ABC	336 MCM AC	7.47Y	124.5	0.04	0.53	84.42	16	1811	547	96	0.34	0.0	0.750	0.057	0	0	0	328
PL.6997	PL.6993	ABC	336 MCM AC	7.47Y	124.4	0.05	0.58	83.70	16	1795	543	96	0.44	0.0	0.825	0.075	12	2	1	320
PL.6998	PL.6997	ABC	336 MCM AC	7.46Y	124.4	0.05	0.63	83.16	16	1783	540	96	0.45	0.0	0.902	0.078	14	3	2	319
PL.6999	PL.6998	ABC	336 MCM AC	7.46Y	124.3	0.08	0.71	82.51	16	1768	536	96	0.77	0.0	1.037	0.135	6	1	6	317
PL.7243	PL.6999	C	#4 ACSR	7.46Y	124.3	0.00	0.71	1.19	1	9	2	98	0.00	0.0	1.039	0.002	0	0	0	2
PD.1564	PL.7243	C	65T	7.46Y	124.3	0.00	0.71	1.19	0	9	2	98	0.00	0.0	1.039	0.002	0	0	0	2
PL.7244	PD.1564	C	#4 ACSR	7.46Y	124.3	0.00	0.71	1.19	1	9	2	98	0.00	0.0	1.042	0.002	0	0	0	2
PL.6981	PL.7244	C	#1/0 ACSR	7.46Y	124.3	0.00	0.71	0.29	0	2	0	100	0.00	0.0	1.047	0.005	0	0	0	1

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Balanced Voltage Drop Report
Source: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.6856	PL.6981	C	#1/0 ACSR	7.46Y	124.3	0.00	0.71	0.29	0	2	0	100	0.00	0.0	1.089	0.043	2	0	1	1
PL.6980	PL.7244	C	#4 ACSR	7.46Y	124.3	0.00	0.71	0.90	1	7	1	99	0.00	0.0	1.089	0.047	7	1	1	1
PL.5928	PL.6999	A	6 A (CWC)	7.46Y	124.3	0.00	0.71	1.02	1	7	2	96	0.00	0.0	1.042	0.005	0	0	0	2
PD.1483	PL.5928	A	65T	7.46Y	124.3	0.00	0.71	1.02	0	7	2	96	0.00	0.0	1.042	0.005	0	0	0	2
PL.5929	PD.1483	A	6 A (CWC)	7.46Y	124.3	0.00	0.71	1.02	1	7	2	96	0.00	0.0	1.099	0.057	3	1	1	2
PL.6994	PL.5929	A	6 A (CWC)	7.46Y	124.3	0.00	0.72	0.60	0	4	1	97	0.00	0.0	1.128	0.030	4	1	1	1
PL.7079	PL.6999	ABC	336 MCM AC	7.46Y	124.3	0.03	0.75	81.49	16	1745	529	96	0.29	0.0	1.089	0.052	0	0	0	307
PL.7080	PL.7079	ABC	336 MCM AC	7.45Y	124.2	0.02	0.77	81.49	16	1744	528	96	0.20	0.0	1.125	0.036	0	0	0	307
PL.7093	PL.7080	C	#4 ACSR	7.45Y	124.2	0.00	0.77	0.02	0	0	0	100	0.00	0.0	1.140	0.014	0	0	0	1
PD.1467	PL.7093	C	65T	7.45Y	124.2	0.00	0.77	0.02	0	0	0	100	0.00	0.0	1.140	0.014	0	0	0	1
PL.7094	PD.1467	C	#4 ACSR	7.45Y	124.2	0.00	0.77	0.02	0	0	0	100	0.00	0.0	1.205	0.065	0	0	1	1
PL.6857	PL.7080	ABC	336 MCM AC	7.45Y	124.2	0.05	0.81	81.48	16	1744	528	96	0.41	0.0	1.200	0.075	31	7	3	306
PL.7245	PL.6857	A	#1/0 ACSR	7.45Y	124.2	0.00	0.81	1.50	1	11	2	98	0.00	0.0	1.201	0.001	0	0	0	3
PD.1565	PL.7245	A	65T	7.45Y	124.2	0.00	0.81	1.50	0	11	2	98	0.00	0.0	1.201	0.001	0	0	0	3
PL.7246	PD.1565	A	#1/0 ACSR	7.45Y	124.2	0.00	0.81	1.50	1	11	2	98	0.00	0.0	1.205	0.003	0	0	0	3
PL.6986	PL.7246	A	#1/0 ACSR	7.45Y	124.2	0.00	0.81	0.47	0	3	1	95	0.00	0.0	1.227	0.022	0	0	0	1
PL.6858	PL.6986	A	#1/0 ACSR	7.45Y	124.2	0.00	0.81	0.47	0	3	1	95	0.00	0.0	1.242	0.015	3	1	1	1
PL.6983	PL.7246	A	6 A (CWC)	7.45Y	124.2	0.00	0.81	1.02	1	7	2	96	0.00	0.0	1.219	0.014	0	0	0	2
PL.6872	PL.6983	A	6 A (CWC)	7.45Y	124.2	0.00	0.82	1.02	1	7	2	96	0.00	0.0	1.269	0.050	7	2	2	2
PL.6918	PL.6857	ABC	336 MCM AC	7.45Y	124.1	0.04	0.85	79.56	15	1701	518	96	0.33	0.0	1.262	0.062	0	0	0	300
PL.6917	PL.6918	ABC	336 MCM AC	7.45Y	124.1	0.03	0.88	79.56	15	1701	517	96	0.28	0.0	1.315	0.053	0	0	0	300
PL.7097	PL.6917	B	#4 ACSR	7.45Y	124.1	0.00	0.88	0.48	0	4	1	97	0.00	0.0	1.320	0.005	0	0	0	1
PD.1469	PL.7097	B	65T	7.45Y	124.1	0.00	0.88	0.48	0	4	1	97	0.00	0.0	1.320	0.005	0	0	0	1
PL.7098	PD.1469	B	#4 ACSR	7.45Y	124.1	0.00	0.88	0.48	0	4	1	97	0.00	0.0	1.336	0.016	4	1	1	1
PL.6919	PL.6917	ABC	336 MCM AC	7.45Y	124.1	0.02	0.90	79.40	15	1697	516	96	0.14	0.0	1.341	0.026	1	0	4	299
PL.5930	PL.6919	C	#4 ACSR	7.45Y	124.1	0.00	0.90	1.00	1	7	2	96	0.00	0.0	1.346	0.005	0	0	0	3
PD.1485	PL.5930	C	65T	7.45Y	124.1	0.00	0.90	1.00	0	7	2	96	0.00	0.0	1.346	0.005	0	0	0	3
PL.5931	PD.1485	C	#4 ACSR	7.45Y	124.1	0.00	0.90	1.00	1	7	2	96	0.00	0.0	1.380	0.034	2	0	1	3
PL.7000	PL.5931	C	#4 ACSR	7.45Y	124.1	0.00	0.90	0.78	1	6	1	99	0.00	0.0	1.394	0.014	0	0	0	2
PL.6987	PL.7000	C	#4 ACSR	7.45Y	124.1	0.00	0.90	0.30	0	2	0	100	0.00	0.0	1.475	0.081	2	0	1	1
PL.6860	PL.7000	C	#4 ACSR	7.45Y	124.1	0.00	0.90	0.48	0	3	1	95	0.00	0.0	1.436	0.043	3	1	1	1

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Balanced Voltage Drop Report
Source: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

	Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
	PL.5557	PL.6919	ABC	336 MCM AC	7.44Y	124.1	0.02	0.92	77.99	15	1666	509	96	0.21	0.0	1.383	0.042	1	0	1	288	
	PL.5558	PL.5557	ABC	336 MCM AC	7.44Y	124.0	0.03	0.96	77.92	15	1664	508	96	0.30	0.0	1.441	0.058	4	1	2	287	
	PL.5559	PL.5558	ABC	336 MCM AC	7.44Y	124.0	0.03	0.99	77.73	15	1660	507	96	0.25	0.0	1.489	0.048	0	0	1	285	
	PL.6859	PL.5559	ABC	336 MCM AC	7.44Y	124.0	0.02	1.01	77.71	15	1659	506	96	0.16	0.0	1.521	0.032	26	5	4	284	
	PL.7089	PL.6859	C	#1/0 ACSR	7.44Y	124.0	0.00	1.01	0.92	0	7	1	99	0.00	0.0	1.526	0.005	0	0	0	4	
	PD.1465	PL.7089	C	65T	7.44Y	124.0	0.00	1.01	0.92	0	7	1	99	0.00	0.0	1.526	0.005	0	0	0	4	
	PL.7090	PD.1465	C	#1/0 ACSR	7.44Y	124.0	0.00	1.01	0.92	0	7	1	99	0.00	0.0	1.560	0.034	1	0	1	4	
	PL.6861	PL.7090	C	#1/0 ACSR	7.44Y	124.0	0.00	1.01	0.72	0	5	1	98	0.00	0.0	1.598	0.038	5	1	3	3	
	PL.5560	PL.6859	ABC	336 MCM AC	7.44Y	123.9	0.07	1.08	76.22	15	1626	499	96	0.59	0.0	1.643	0.122	4	1	2	276	
	PL.5561	PL.5560	ABC	336 MCM AC	7.43Y	123.8	0.09	1.16	76.02	15	1621	496	96	0.72	0.0	1.790	0.148	5	1	2	274	
	PL.5554	PL.5561	ABC	336 MCM AC	7.43Y	123.8	0.01	1.18	75.79	15	1616	494	96	0.10	0.0	1.811	0.020	0	0	0	272	
	PL.6862	PL.5554	ABC	336 MCM AC	7.43Y	123.8	0.00	1.18	17.62	3	354	170	90	0.00	0.0	1.825	0.014	0	0	0	1	
	PL.64958	PL.6862	ABC	336 MCM AC	7.43Y	123.8	0.00	1.18	17.62	3	354	170	90	0.00	0.0	1.825	0.000	0	0	0	1	
	PD.9572-A	PL.64958	ABC	Closed	7.43Y	123.8	0.00	1.18	17.62	0	354	170	90	0.00	0.0	1.825	0.000	0	0	0	1	
	PD.9572-B	PD.9572-A	ABC	Closed	7.43Y	123.8	0.00	1.18	17.62	0	354	170	90	0.00	0.0	1.825	0.000	0	0	0	1	
	PL.6873	PD.9572-B	ABC	336 MCM AC	7.43Y	123.8	0.00	1.18	17.62	3	354	170	90	0.00	0.0	1.827	0.002	0	0	0	1	
	PD.1504	PL.6873	ABC	280L	7.43Y	123.8	0.00	1.18	17.62	0	354	170	90	0.00	0.0	1.827	0.002	0	0	0	1	
	PL.6961	PD.1504	ABC	336 MCM AC	7.43Y	123.8	0.00	1.18	17.62	3	354	170	90	0.00	0.0	1.827	0.001	0	0	0	1	
	PL.5954	PL.6961	ABC	1/0 AL URD	7.43Y	123.8	0.00	1.18	17.62	10	354	170	90	0.00	0.0	1.829	0.001	0	0	0	1	
	PD.1497	PL.5954	ABC	65T	7.43Y	123.8	0.00	1.18	17.62	0	354	170	90	0.00	0.0	1.829	0.001	0	0	0	1	
	PL.5955	PD.1497	ABC	1/0 AL URD	7.43Y	123.8	0.01	1.19	17.62	10	354	170	90	0.03	0.0	1.852	0.024	0	0	0	1	
	PL.64960	PL.5955	ABC	1/0 AL URD	7.43Y	123.8	0.00	1.19	17.63	10	354	171	90	0.00	0.0	1.853	0.001	0	0	0	1	
	PD.1499-A	PL.64960	ABC	Closed	7.43Y	123.8	0.00	1.19	17.63	0	354	171	90	0.00	0.0	1.853	0.001	0	0	0	1	
	PD.1499-B	PD.1499-A	ABC	Closed	7.43Y	123.8	0.00	1.19	17.63	0	354	171	90	0.00	0.0	1.853	0.001	0	0	0	1	
	PL.6875	PD.1499-B	ABC	1/0 AL URD	7.43Y	123.8	0.00	1.19	17.63	10	354	171	90	0.00	0.0	1.856	0.003	0	0	0	1	
	PL.64962	PL.6875	ABC	1/0 AL URD	7.43Y	123.8	0.00	1.19	17.63	10	354	171	90	0.00	0.0	1.857	0.001	354	171	1	1	
P	PL.64964	PL.64962	ABC	1/0 AL URD	7.43Y	123.8	0.00	1.19	-0.01	0	0	0	100	0.00	0.0	1.862	0.006	0	0	0	0	P
P	PL.64967	PL.64964	ABC	1/0 AL URD	7.43Y	123.8	0.00	1.19	-0.01	0	0	0	100	0.00	0.0	1.878	0.016	0	0	0	0	P
P	PL.64963	PL.64962	ABC	1/0 AL URD	7.43Y	123.8	0.00	1.19	-0.02	0	0	0	100	0.00	0.0	1.864	0.007	0	0	0	0	P
P	PL.64966	PL.64963	ABC	1/0 AL URD	7.43Y	123.8	0.00	1.19	-0.01	0	0	0	100	0.00	0.0	1.879	0.016	0	0	0	0	P
	PL.64965	PL.64963	ABC	1/0 AL URD	7.43Y	123.8	0.00	1.19	-0.01	0	0	0	100	0.00	0.0	1.879	0.015	0	0	0	0	

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

Balanced Voltage Drop Report
Source: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
P PL.64968	PL.64965	ABC	1/0 AL URD	7.43Y	123.8	0.00	1.19	0.00	0	0	0	100	0.00	0.0	1.880	0.002	0	0	0	0	P
PD.9991-A	PL.64968	ABC	Open	7.43Y	123.8	0.00	1.19	0.00	0	0	0	100	0.00	0.0	1.880	0.002	0	0	0	0	
P PL.5269	PL.5955	ABC	1/0 AL URD	7.43Y	123.8	0.00	1.19	-0.01	0	0	0	100	0.00	0.0	1.874	0.021	0	0	0	0	P
PD.897	PL.5269	ABC	65T	7.43Y	123.8	0.00	1.19	0.00	0	0	0	100	0.00	0.0	1.874	0.021	0	0	0	0	
P PL.5268	PD.897	ABC	1/0 AL URD	7.43Y	123.8	0.00	1.19	0.00	0	0	0	100	0.00	0.0	1.875	0.001	0	0	0	0	P
PL.5267	PL.5268	ABC	#2 ACSR	7.43Y	123.8	0.00	1.19	0.00	0	0	0	100	0.00	0.0	1.876	0.001	0	0	0	0	
PD.896	PL.5267	ABC	280L	7.43Y	123.8	0.00	1.19	0.00	0	0	0	100	0.00	0.0	1.876	0.001	0	0	0	0	
PL.5266	PD.896	ABC	#2 ACSR	7.43Y	123.8	0.00	1.19	0.00	0	0	0	100	0.00	0.0	1.878	0.002	0	0	0	0	
PD.9573-B	PL.5266	ABC	Open	7.43Y	123.8	0.00	1.19	0.00	0	0	0	100	0.00	0.0	1.878	0.002	0	0	0	0	
PL.5555	PL.5554	ABC	336 MCM AC	7.43Y	123.8	0.00	1.18	58.43	11	1261	323	97	0.03	0.0	1.820	0.009	0	0	0	271	
PL.7066	PL.5555	ABC	336 MCM AC	7.43Y	123.8	0.03	1.21	58.43	11	1261	323	97	0.19	0.0	1.885	0.065	14	3	3	271	
PL.7067	PL.7066	ABC	336 MCM AC	7.43Y	123.8	0.01	1.22	57.80	11	1248	320	97	0.09	0.0	1.919	0.034	54	11	9	268	
PL.7068	PL.7067	ABC	336 MCM AC	7.43Y	123.8	0.01	1.24	55.31	11	1193	308	97	0.09	0.0	1.955	0.037	3	1	2	259	
PL.7069	PL.7068	ABC	336 MCM AC	7.42Y	123.7	0.02	1.26	55.20	11	1191	308	97	0.15	0.0	2.014	0.059	10	2	2	257	
PL.7070	PL.7069	ABC	336 MCM AC	7.42Y	123.7	0.01	1.26	54.75	11	1181	305	97	0.04	0.0	2.028	0.014	3	1	6	255	
PL.7071	PL.7070	ABC	336 MCM AC	7.42Y	123.7	0.00	1.27	54.63	11	1178	305	97	0.02	0.0	2.037	0.008	0	0	0	249	
PL.7072	PL.7071	ABC	336 MCM AC	7.42Y	123.7	0.02	1.29	54.36	10	1172	303	97	0.13	0.0	2.090	0.054	18	4	12	245	
PL.7073	PL.7072	ABC	336 MCM AC	7.42Y	123.7	0.01	1.30	53.56	10	1155	299	97	0.08	0.0	2.125	0.035	33	7	11	233	
PL.5944	PL.7073	C	#1/0 ACSR	7.42Y	123.7	0.00	1.30	6.02	3	44	9	98	0.00	0.0	2.128	0.003	0	0	0	7	
PD.1492	PL.5944	C	65T	7.42Y	123.7	0.00	1.30	6.02	0	44	9	98	0.00	0.0	2.128	0.003	0	0	0	7	
PL.5945	PD.1492	C	#1/0 ACSR	7.42Y	123.7	0.00	1.30	6.02	3	44	9	98	0.00	0.0	2.141	0.013	0	0	0	7	
PL.6988	PL.5945	C	6 A (CWC)	7.42Y	123.7	0.03	1.33	6.02	4	44	9	98	0.01	0.0	2.253	0.112	0	0	0	7	
PL.7020	PL.6988	C	6 A (CWC)	7.42Y	123.7	0.01	1.34	2.79	2	20	4	98	0.00	0.0	2.330	0.077	9	2	2	3	
PL.7021	PL.7020	C	6 A (CWC)	7.42Y	123.7	0.00	1.34	1.52	1	11	2	98	0.00	0.0	2.356	0.026	11	2	1	1	
PL.6989	PL.6988	C	6 A (CWC)	7.42Y	123.7	0.01	1.34	3.23	2	23	5	98	0.00	0.0	2.314	0.061	10	2	2	4	
PL.7018	PL.6989	C	#2 ACSR	7.42Y	123.7	0.00	1.34	1.92	1	14	3	98	0.00	0.0	2.371	0.057	7	1	1	2	
PL.7019	PL.7018	C	#2 ACSR	7.42Y	123.7	0.00	1.35	0.97	1	7	1	99	0.00	0.0	2.423	0.052	7	1	1	1	
PL.6920	PL.7073	ABC	336 MCM AC	7.42Y	123.7	0.02	1.32	50.02	10	1077	283	97	0.10	0.0	2.173	0.048	6	1	2	215	
PL.6921	PL.6920	ABC	336 MCM AC	7.42Y	123.7	0.02	1.34	48.55	9	1045	276	97	0.09	0.0	2.219	0.046	35	7	9	206	
PL.7118	PL.6921	ABC	336 MCM AC	7.42Y	123.6	0.05	1.39	46.32	9	997	264	97	0.28	0.0	2.376	0.157	0	0	0	195	
PL.7143	PL.7118	ABC	336 MCM AC	7.42Y	123.6	0.00	1.39	46.32	9	996	264	97	0.01	0.0	2.379	0.003	0	0	0	195	

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Balanced Voltage Drop Report
Source: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.1515	PL.7143	ABC	70L	7.42Y	123.6	0.00	1.39	46.32	66	996	264	97	0.00	0.0	2.379	0.003	0	0	0	195
PL.7144	PD.1515	ABC	336 MCM AC	7.42Y	123.6	0.02	1.41	46.32	9	996	264	97	0.08	0.0	2.426	0.047	25	5	5	195
PL.6922	PL.7144	ABC	336 MCM AC	7.41Y	123.6	0.02	1.42	45.17	9	971	258	97	0.10	0.0	2.483	0.057	12	3	2	190
PL.6923	PL.6922	ABC	336 MCM AC	7.41Y	123.6	0.02	1.44	44.16	9	949	253	97	0.10	0.0	2.543	0.060	12	2	3	187
PL.7074	PL.6923	ABC	336 MCM AC	7.41Y	123.5	0.02	1.46	41.77	8	897	242	97	0.09	0.0	2.606	0.063	0	0	1	174
PL.7081	PL.7074	ABC	336 MCM AC	7.41Y	123.5	0.01	1.47	41.75	8	896	242	97	0.04	0.0	2.636	0.030	3	2	1	173
PL.7082	PL.7081	ABC	336 MCM AC	7.41Y	123.5	0.01	1.48	41.58	8	893	240	97	0.05	0.0	2.668	0.032	4	1	5	172
PL.7076	PL.7082	ABC	336 MCM AC	7.41Y	123.5	0.01	1.49	41.40	8	889	239	97	0.06	0.0	2.709	0.041	2	0	1	167
PL.7075	PL.7076	ABC	336 MCM AC	7.41Y	123.5	0.02	1.51	41.32	8	887	239	97	0.08	0.0	2.766	0.057	0	0	0	166
PL.5932	PL.7075	A	#1/0 ACSR	7.41Y	123.5	0.00	1.51	0.91	0	7	1	99	0.00	0.0	2.773	0.007	0	0	0	2
PD.1486	PL.5932	A	30T	7.41Y	123.5	0.00	1.51	0.91	0	7	1	99	0.00	0.0	2.773	0.007	0	0	0	2
PL.5933	PD.1486	A	#1/0 ACSR	7.41Y	123.5	0.00	1.51	0.91	0	7	1	99	0.00	0.0	2.816	0.043	0	0	0	2
PL.6991	PL.5933	A	#4 ACSR	7.41Y	123.5	0.00	1.52	0.91	1	7	1	99	0.00	0.0	2.866	0.050	0	0	0	2
PL.6992	PL.6991	A	#4 ACSR	7.41Y	123.5	0.00	1.52	0.15	0	1	0	100	0.00	0.0	2.882	0.016	1	0	1	1
PL.6868	PL.6991	A	#4 ACSR	7.41Y	123.5	0.00	1.52	0.76	1	5	1	98	0.00	0.0	2.932	0.066	5	1	1	1
PL.7077	PL.7075	ABC	336 MCM AC	7.41Y	123.5	0.02	1.53	41.02	8	880	237	97	0.08	0.0	2.822	0.055	7	1	1	164
PL.7078	PL.7077	ABC	336 MCM AC	7.41Y	123.4	0.03	1.55	40.72	8	874	235	97	0.12	0.0	2.908	0.087	0	0	0	163
PL.6941	PL.7078	ABC	336 MCM AC	7.41Y	123.4	0.02	1.58	40.72	8	874	235	97	0.11	0.0	2.984	0.075	0	0	0	163
PL.6942	PL.6941	ABC	336 MCM AC	7.40Y	123.4	0.01	1.59	40.72	8	874	235	97	0.06	0.0	3.024	0.040	20	4	4	163
PL.7116	PL.6942	B	#2 ACSR	7.40Y	123.4	0.00	1.59	24.72	14	179	38	98	0.00	0.0	3.028	0.005	0	0	0	41
PD.1503	PL.7116	B	35H	7.40Y	123.4	0.00	1.59	24.72	71	179	38	98	0.00	0.0	3.028	0.005	0	0	0	41
PL.7117	PD.1503	B	#2 ACSR	7.40Y	123.4	0.04	1.63	24.72	14	179	38	98	0.05	0.0	3.089	0.060	36	7	10	41
PL.7013	PL.7117	B	6 A (CWC)	7.40Y	123.3	0.03	1.67	19.82	14	144	30	98	0.04	0.0	3.127	0.038	2	0	2	31
PL.7014	PL.7013	B	6 A (CWC)	7.40Y	123.3	0.04	1.71	19.51	14	141	30	98	0.05	0.0	3.182	0.055	20	4	3	29
PL.7008	PL.7014	B	#4 ACSR	7.40Y	123.3	0.00	1.71	3.17	2	23	5	98	0.00	0.0	3.196	0.014	8	2	1	3
PL.7009	PL.7008	B	#4 ACSR	7.40Y	123.3	0.00	1.71	2.05	2	15	3	98	0.00	0.0	3.217	0.021	15	3	2	2
PL.7010	PL.7014	B	6 A (CWC)	7.39Y	123.2	0.05	1.76	13.53	10	98	21	98	0.03	0.0	3.263	0.081	5	1	1	23
PL.7011	PL.7010	B	6 A (CWC)	7.39Y	123.2	0.03	1.79	12.77	9	92	19	98	0.02	0.0	3.311	0.049	11	2	2	22
PL.7012	PL.7011	B	6 A (CWC)	7.39Y	123.2	0.03	1.82	11.23	8	81	17	98	0.02	0.0	3.383	0.072	14	3	4	20
PL.7015	PL.7012	B	6 A (CWC)	7.39Y	123.2	0.02	1.84	9.33	7	68	14	98	0.01	0.0	3.445	0.062	7	1	1	16
PL.7016	PL.7015	B	6 A (CWC)	7.39Y	123.1	0.02	1.86	8.35	6	60	13	98	0.01	0.0	3.497	0.051	14	3	4	15

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Balanced Voltage Drop Report
Source: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.7017	PL.7016	B	6 A (CWC)	7.39Y	123.1	0.02	1.88	6.46	5	47	10	98	0.01	0.0	3.549	0.052	0	0	0	11
PL.6878	PL.7017	B	#2 ACSR	7.39Y	123.1	0.00	1.88	1.01	1	7	2	96	0.00	0.0	3.574	0.025	7	2	2	2
PL.5556	PL.7017	B	6 A (CWC)	7.39Y	123.1	0.01	1.89	5.45	4	39	8	98	0.00	0.0	3.619	0.070	10	2	1	9
PL.6877	PL.5556	B	6 A (CWC)	7.39Y	123.1	0.00	1.89	1.28	1	9	2	98	0.00	0.0	3.686	0.067	4	1	3	6
PL.6876	PL.6877	B	#4 ACSR	7.39Y	123.1	0.00	1.89	0.02	0	0	0	100	0.00	0.0	3.789	0.103	0	0	1	1
PL.6934	PL.6877	B	#4 ACSR	7.39Y	123.1	0.00	1.90	0.72	1	5	1	98	0.00	0.0	3.767	0.081	5	1	1	2
PL.7007	PL.6934	B	#4 ACSR	7.39Y	123.1	0.00	1.90	0.05	0	0	0	100	0.00	0.0	3.844	0.077	0	0	1	1
PL.6879	PL.5556	B	#4 ACSR	7.39Y	123.1	0.01	1.90	2.82	2	20	4	98	0.00	0.0	3.717	0.098	20	4	2	2
PL.10172	PL.7013	B	#1/0 ACSR	7.40Y	123.3	0.00	1.67	0.00	0	0	0	100	0.00	0.0	3.169	0.042	0	0	0	0
PL.10173	PL.10172	B	#1/0 ACSR	7.40Y	123.3	0.00	1.67	0.00	0	0	0	100	0.00	0.0	3.197	0.028	0	0	0	0
PL.28282	PL.10173	B	#1/0 ACSR	7.40Y	123.3	0.00	1.67	0.00	0	0	0	100	0.00	0.0	3.255	0.058	0	0	0	0
PL.6924	PL.6942	ABC	336 MCM AC	7.40Y	123.4	0.03	1.62	31.58	6	675	193	96	0.11	0.0	3.154	0.131	0	0	0	118
PL.7135	PL.6924	C	#1/0 ACSR	7.40Y	123.4	0.00	1.62	1.88	1	14	3	98	0.00	0.0	3.156	0.002	0	0	0	2
PD.1511	PL.7135	C	30T	7.40Y	123.4	0.00	1.62	1.88	0	14	3	98	0.00	0.0	3.156	0.002	0	0	0	2
PL.7136	PD.1511	C	#1/0 ACSR	7.40Y	123.4	0.00	1.62	1.88	1	14	3	98	0.00	0.0	3.193	0.037	6	1	1	2
PL.6867	PL.7136	C	#1/0 ACSR	7.40Y	123.4	0.00	1.62	1.09	0	8	2	97	0.00	0.0	3.243	0.050	8	2	1	1
PL.6925	PL.6924	ABC	336 MCM AC	7.40Y	123.4	0.03	1.65	30.96	6	661	190	96	0.10	0.0	3.272	0.118	0	0	0	116
PL.5940	PL.6925	ABC	336 MCM AC	7.40Y	123.3	0.01	1.66	30.96	6	661	190	96	0.05	0.0	3.330	0.058	0	0	0	116
PL.7133	PL.5940	C	#1/0 ACSR	7.40Y	123.3	0.00	1.66	0.46	0	3	1	95	0.00	0.0	3.333	0.003	0	0	0	1
PD.1510	PL.7133	C	30T	7.40Y	123.3	0.00	1.66	0.46	0	3	1	95	0.00	0.0	3.333	0.003	0	0	0	1
PL.7134	PD.1510	C	#1/0 ACSR	7.40Y	123.3	0.00	1.66	0.46	0	3	1	95	0.00	0.0	3.353	0.019	3	1	1	1
PL.6943	PL.5940	ABC	336 MCM AC	7.40Y	123.3	0.01	1.67	30.81	6	657	189	96	0.04	0.0	3.382	0.051	0	0	0	115
PL.7131	PL.6943	C	#1/0 ACSR	7.40Y	123.3	0.00	1.67	1.74	1	13	3	97	0.00	0.0	3.384	0.003	0	0	0	1
PD.1509	PL.7131	C	30T	7.40Y	123.3	0.00	1.67	1.74	0	13	3	97	0.00	0.0	3.384	0.003	0	0	0	1
PL.7132	PD.1509	C	#1/0 ACSR	7.40Y	123.3	0.00	1.67	1.74	1	13	3	97	0.00	0.0	3.408	0.024	13	3	1	1
PL.6926	PL.6943	ABC	336 MCM AC	7.40Y	123.3	0.02	1.69	30.23	6	645	186	96	0.06	0.0	3.463	0.081	0	0	0	114
PL.6944	PL.6926	ABC	336 MCM AC	7.40Y	123.3	0.01	1.70	30.23	6	645	186	96	0.04	0.0	3.517	0.054	9	2	1	114
PL.6945	PL.6944	ABC	336 MCM AC	7.40Y	123.3	0.01	1.72	29.79	6	635	184	96	0.04	0.0	3.570	0.053	0	0	0	113
PL.7127	PL.6945	ABC	336 MCM AC	7.40Y	123.3	0.00	1.72	27.51	5	586	173	96	0.00	0.0	3.573	0.003	0	0	0	105
PD.1507-A	PL.7127	ABC	Closed	7.40Y	123.3	0.00	1.72	27.51	0	585	173	96	0.00	0.0	3.573	0.003	0	0	0	105
PD.1507-B	PD.1507-A	ABC	Closed	7.40Y	123.3	0.00	1.72	27.51	0	585	173	96	0.00	0.0	3.573	0.003	0	0	0	105

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: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.7128	PD.1507-B	ABC	336 MCM AC	7.40Y	123.3	0.03	1.74	27.51	5	585	173	96	0.08	0.0	3.699	0.125	0	0	0	105
PL.7247	PL.7128	ABC	336 MCM AC	7.40Y	123.3	0.00	1.74	27.51	5	585	173	96	0.00	0.0	3.701	0.003	0	0	0	105
PD.1566-A	PL.7247	ABC	Closed	7.40Y	123.3	0.00	1.74	27.51	0	585	173	96	0.00	0.0	3.701	0.003	0	0	0	105
PD.1566-B	PD.1566-A	ABC	Closed	7.40Y	123.3	0.00	1.74	27.51	0	585	173	96	0.00	0.0	3.701	0.003	0	0	0	105
PL.7248	PD.1566-B	ABC	336 MCM AC	7.39Y	123.2	0.01	1.76	27.51	5	585	173	96	0.04	0.0	3.762	0.061	0	0	0	105
PL.6870	PL.7248	ABC	6 A (CWC)	7.39Y	123.1	0.13	1.89	27.42	20	583	173	96	0.62	0.1	3.886	0.124	0	0	0	104
PL.6927	PL.6870	ABC	6 A (CWC)	7.38Y	123.0	0.09	1.98	27.12	19	576	171	96	0.42	0.1	3.972	0.085	0	0	0	103
PL.6928	PL.6927	ABC	6 A (CWC)	7.37Y	122.8	0.17	2.15	26.83	19	569	169	96	0.77	0.1	4.133	0.162	0	0	0	100
PL.7111	PL.6928	C	#1/0 ACSR	7.37Y	122.8	0.00	2.15	1.41	1	10	2	98	0.00	0.0	4.138	0.005	0	0	0	1
PD.1476	PL.7111	C	30T	7.37Y	122.8	0.00	2.15	1.41	0	10	2	98	0.00	0.0	4.138	0.005	0	0	0	1
PL.7112	PD.1476	C	#1/0 ACSR	7.37Y	122.8	0.00	2.15	1.41	1	10	2	98	0.00	0.0	4.143	0.005	10	2	1	1
PL.6929	PL.6928	ABC	6 A (CWC)	7.36Y	122.7	0.10	2.25	26.36	19	558	167	96	0.44	0.1	4.231	0.097	7	2	1	99
PL.6884	PL.6929	C	#4 ACSR	7.36Y	122.7	0.00	2.25	1.50	1	11	2	98	0.00	0.0	4.279	0.048	11	2	2	2
PL.6930	PL.6929	ABC	6 A (CWC)	7.36Y	122.6	0.10	2.35	25.52	18	540	163	96	0.43	0.1	4.331	0.100	4	1	2	96
PL.6931	PL.6930	ABC	6 A (CWC)	7.35Y	122.6	0.07	2.42	25.36	18	536	162	96	0.29	0.1	4.400	0.069	11	2	2	94
PL.6932	PL.6931	ABC	6 A (CWC)	7.35Y	122.5	0.07	2.49	24.85	18	525	160	96	0.29	0.1	4.473	0.073	7	2	2	91
PL.5918	PL.6932	C	#2 ACSR	7.35Y	122.5	0.00	2.49	0.87	0	6	1	99	0.00	0.0	4.477	0.005	0	0	0	1
PD.1478	PL.5918	C	30T	7.35Y	122.5	0.00	2.49	0.87	0	6	1	99	0.00	0.0	4.477	0.005	0	0	0	1
PL.5919	PD.1478	C	#2 ACSR	7.35Y	122.5	0.00	2.49	0.87	0	6	1	99	0.00	0.0	4.519	0.042	6	1	1	1
PL.7031	PL.6932	ABC	6 A (CWC)	7.35Y	122.5	0.06	2.55	24.22	17	511	157	96	0.23	0.0	4.533	0.060	14	3	2	88
PL.7032	PL.7031	ABC	6 A (CWC)	7.34Y	122.4	0.05	2.59	23.59	17	497	154	96	0.19	0.0	4.586	0.053	11	2	1	86
PL.6885	PL.7032	C	6 A (CWC)	7.34Y	122.4	0.00	2.60	1.41	1	10	2	98	0.00	0.0	4.615	0.030	10	2	3	3
PL.6933	PL.7032	ABC	6 A (CWC)	7.34Y	122.4	0.05	2.65	22.23	16	467	147	95	0.20	0.0	4.648	0.062	11	2	3	81
PL.6887	PL.6933	ABC	6 A (CWC)	7.34Y	122.3	0.02	2.67	21.70	15	455	145	95	0.08	0.0	4.675	0.027	19	4	3	78
PL.5920	PL.6887	A	6 A (CWC)	7.34Y	122.3	0.00	2.67	3.98	3	29	6	98	0.00	0.0	4.680	0.005	0	0	0	4
PD.1479	PL.5920	A	30T	7.34Y	122.3	0.00	2.67	3.98	0	29	6	98	0.00	0.0	4.680	0.005	0	0	0	4
PL.5921	PD.1479	A	6 A (CWC)	7.34Y	122.3	0.02	2.69	3.98	3	29	6	98	0.00	0.0	4.802	0.122	3	1	1	4
PL.7034	PL.5921	A	6 A (CWC)	7.34Y	122.3	0.01	2.70	3.57	3	26	5	98	0.00	0.0	4.844	0.042	5	1	2	3
PL.7035	PL.7034	A	6 A (CWC)	7.34Y	122.3	0.01	2.70	2.84	2	20	4	98	0.00	0.0	4.929	0.085	20	4	1	1
PL.7036	PL.6887	ABC	6 A (CWC)	7.34Y	122.3	0.06	2.73	19.50	14	408	135	95	0.19	0.0	4.753	0.078	23	5	6	71
PL.7037	PL.7036	ABC	6 A (CWC)	7.33Y	122.2	0.07	2.80	18.42	13	384	130	95	0.21	0.1	4.846	0.094	11	2	2	65

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Balanced Voltage Drop Report
Source: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.7033	PL.7037	ABC	6 A (CWC)	7.33Y	122.1	0.06	2.86	17.89	13	372	127	95	0.19	0.1	4.936	0.090	0	0	0	63
PL.6890	PL.7033	ABC	6 A (CWC)	7.33Y	122.1	0.00	2.86	8.41	6	180	42	97	0.01	0.0	4.950	0.013	0	0	0	51
PL.6892	PL.6890	A	#4 ACSR	7.33Y	122.1	0.00	2.87	2.52	2	18	4	98	0.00	0.0	4.971	0.022	18	4	8	8
PL.6977	PL.6890	ABC	6 A (CWC)	7.33Y	122.1	0.02	2.89	7.57	5	162	38	97	0.03	0.0	5.030	0.080	6	1	2	43
PL.7114	PL.6977	A	6 A (CWC)	7.33Y	122.1	0.00	2.89	18.85	13	135	29	98	0.00	0.0	5.033	0.003	0	0	0	39
PD.1502	PL.7114	A	35H	7.33Y	122.1	0.00	2.89	18.85	54	135	29	98	0.00	0.0	5.033	0.003	0	0	0	39
PL.7115	PD.1502	A	6 A (CWC)	7.32Y	122.1	0.06	2.95	18.85	13	135	29	98	0.06	0.0	5.102	0.070	0	0	0	39
PL.7038	PL.7115	A	6 A (CWC)	7.32Y	121.9	0.10	3.05	18.85	13	135	29	98	0.11	0.1	5.225	0.123	0	0	1	39
PL.7048	PL.7038	A	#4 ACSR	7.32Y	121.9	0.00	3.05	1.34	1	10	2	98	0.00	0.0	5.254	0.029	7	2	1	2
PL.7049	PL.7048	A	#2 ACSR	7.32Y	121.9	0.00	3.05	0.33	0	2	1	89	0.00	0.0	5.294	0.040	2	1	1	1
PL.7046	PL.7038	A	6 A (CWC)	7.31Y	121.9	0.05	3.10	17.49	12	125	27	98	0.04	0.0	5.285	0.060	0	0	1	36
PL.7047	PL.7046	A	6 A (CWC)	7.31Y	121.9	0.04	3.14	17.47	12	125	26	98	0.04	0.0	5.333	0.048	0	0	0	35
PL.7045	PL.7047	A	6 A (CWC)	7.31Y	121.8	0.08	3.22	17.47	12	125	26	98	0.08	0.1	5.440	0.107	0	0	0	35
PL.6896	PL.7045	A	#4 ACSR	7.31Y	121.8	0.00	3.22	1.14	1	8	2	97	0.00	0.0	5.508	0.068	8	2	3	3
PL.6898	PL.6896	A	#4 ACSR	7.31Y	121.8	0.00	3.22	0.00	0	0	0	100	0.00	0.0	5.599	0.091	0	0	0	0
PL.6973	PL.7045	A	6 A (CWC)	7.30Y	121.7	0.09	3.31	15.79	11	113	24	98	0.07	0.1	5.564	0.124	5	1	1	31
PL.7041	PL.6973	A	6 A (CWC)	7.30Y	121.7	0.04	3.35	13.95	10	100	21	98	0.03	0.0	5.631	0.067	1	0	1	28
PL.7042	PL.7041	A	6 A (CWC)	7.30Y	121.6	0.05	3.39	13.77	10	98	21	98	0.03	0.0	5.708	0.077	5	1	1	27
PL.7043	PL.7042	A	6 A (CWC)	7.30Y	121.6	0.02	3.42	13.04	9	93	20	98	0.02	0.0	5.744	0.037	0	0	0	26
PL.7044	PL.7043	A	6 A (CWC)	7.29Y	121.5	0.05	3.46	11.46	8	82	17	98	0.03	0.0	5.836	0.092	7	1	1	24
PL.7050	PL.7044	A	6 A (CWC)	7.29Y	121.5	0.03	3.49	10.51	8	75	16	98	0.02	0.0	5.909	0.072	10	2	2	23
PL.7051	PL.7050	A	6 A (CWC)	7.29Y	121.4	0.07	3.56	9.14	7	65	14	98	0.03	0.1	6.078	0.170	0	0	0	21
PL.6901	PL.7051	A	#4 ACSR	7.27Y	121.2	0.21	3.78	8.82	7	63	13	98	0.10	0.2	6.634	0.555	0	0	0	19
PL.6967	PL.6901	A	#4 ACSR	7.26Y	121.1	0.14	3.92	7.70	6	55	12	98	0.06	0.1	7.057	0.423	0	0	0	18
PL.6963	PL.6967	A	#4 ACSR	7.26Y	121.0	0.04	3.96	7.51	6	53	11	98	0.02	0.0	7.181	0.124	0	0	0	17
PL.7062	PL.6963	A	#4 ACSR	7.26Y	121.0	0.02	3.98	3.86	3	27	6	98	0.00	0.0	7.314	0.133	5	1	1	7
PL.7063	PL.7062	A	#4 ACSR	7.26Y	121.0	0.01	3.99	3.14	2	22	5	98	0.00	0.0	7.373	0.059	0	0	0	6
PL.6910	PL.7063	A	#4 ACSR	7.26Y	121.0	0.00	3.99	2.33	2	17	3	98	0.00	0.0	7.414	0.041	17	3	4	4
PL.6916	PL.7063	A	#4 ACSR	7.26Y	121.0	0.00	3.99	0.23	0	2	0	100	0.00	0.0	7.440	0.067	2	0	1	1
PL.6962	PL.7063	A	#4 ACSR	7.26Y	121.0	0.00	3.99	0.58	0	4	1	97	0.00	0.0	7.468	0.095	4	1	1	1
PL.6912	PL.6962	A	#2 ACSR	7.26Y	121.0	0.00	3.99	0.00	0	0	0	100	0.00	0.0	7.721	0.253	0	0	0	0

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Balanced Voltage Drop Report
Source: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.6914	PL.6912	A	#1/0 ACSR	7.26Y	121.0	0.00	3.99	0.00	0	0	0	100	0.00	0.0	7.930	0.208	0	0	0	0
PL.6905	PL.6963	A	#4 ACSR	7.26Y	121.0	0.00	3.96	1.02	1	7	2	96	0.00	0.0	7.221	0.040	7	2	2	2
PL.7064	PL.6963	A	#4 ACSR	7.26Y	121.0	0.01	3.97	2.62	2	19	4	98	0.00	0.0	7.295	0.114	8	2	3	8
PL.7065	PL.7064	A	#4 ACSR	7.26Y	121.0	0.03	4.00	1.46	1	10	2	98	0.00	0.0	7.737	0.442	0	0	0	5
PL.7060	PL.7065	A	#4 ACSR	7.26Y	121.0	0.00	4.00	0.63	0	4	1	97	0.00	0.0	7.840	0.102	3	1	1	4
PL.7061	PL.7060	A	#4 ACSR	7.26Y	121.0	0.00	4.00	0.20	0	1	0	100	0.00	0.0	8.101	0.262	0	0	0	3
PL.6969	PL.7061	A	#4 ACSR	7.26Y	121.0	0.00	4.00	0.20	0	1	0	100	0.00	0.0	8.200	0.099	0	0	0	3
PL.6908	PL.6969	A	#4 ACSR	7.26Y	121.0	0.00	4.00	0.20	0	1	0	100	0.00	0.0	8.278	0.078	1	0	2	3
PL.6909	PL.6908	A	#4 ACSR	7.26Y	121.0	0.00	4.00	0.00	0	0	0	100	0.00	0.0	8.521	0.243	0	0	1	1
PL.6965	PL.7065	A	#4 ACSR	7.26Y	121.0	0.00	4.00	0.83	1	6	1	99	0.00	0.0	7.820	0.082	6	1	1	1
PL.6906	PL.6967	A	#4 ACSR	7.26Y	121.1	0.00	3.92	0.20	0	1	0	100	0.00	0.0	7.121	0.064	1	0	1	1
PL.6903	PL.6901	A	#1/0 ACSR	7.27Y	121.2	0.00	3.78	1.11	0	8	2	97	0.00	0.0	6.674	0.041	8	2	1	1
PL.7058	PL.7051	A	6 A (CWC)	7.29Y	121.4	0.00	3.56	0.33	0	2	0	100	0.00	0.0	6.179	0.101	2	0	1	2
PL.7059	PL.7058	A	6 A (CWC)	7.29Y	121.4	0.00	3.56	0.03	0	0	0	100	0.00	0.0	6.293	0.114	0	0	1	1
PL.6900	PL.7043	A	#4 ACSR	7.29Y	121.6	0.03	3.44	1.58	1	11	2	98	0.00	0.0	6.146	0.401	0	0	0	2
PL.7056	PL.6900	A	#4 ACSR	7.29Y	121.6	0.00	3.45	1.58	1	11	2	98	0.00	0.0	6.201	0.055	6	1	1	2
PL.7057	PL.7056	A	#4 ACSR	7.29Y	121.6	0.00	3.45	0.80	1	6	1	99	0.00	0.0	6.256	0.055	6	1	1	1
PL.7039	PL.6973	A	6 A (CWC)	7.30Y	121.7	0.01	3.31	1.15	1	8	2	97	0.00	0.0	5.697	0.133	0	0	0	2
PL.7040	PL.7039	A	6 A (CWC)	7.30Y	121.7	0.00	3.32	1.15	1	8	2	97	0.00	0.0	5.797	0.100	6	1	1	2
PL.6899	PL.7040	A	#4 ACSR	7.30Y	121.7	0.00	3.32	0.34	0	2	1	89	0.00	0.0	6.080	0.283	0	0	0	1
PL.7030	PL.6899	A	#4 ACSR	7.30Y	121.7	0.00	3.32	0.34	0	2	1	89	0.00	0.0	6.134	0.054	2	1	1	1
PL.6897	PL.7045	A	#4 ACSR	7.31Y	121.8	0.00	3.22	0.54	0	4	1	97	0.00	0.0	5.514	0.074	4	1	1	1
PL.6978	PL.6977	ABC	6 A (CWC)	7.33Y	122.1	0.00	2.89	1.04	1	21	8	93	0.00	0.0	5.043	0.013	0	0	0	2
PL.6893	PL.6978	B	#4 ACSR	7.33Y	122.1	0.00	2.89	1.04	1	7	2	96	0.00	0.0	5.100	0.057	7	2	1	1
PL.5956	PL.6978	ABC	1/0 AL URD	7.33Y	122.1	0.00	2.89	0.69	0	14	6	92	0.00	0.0	5.048	0.005	0	0	0	1
PD.1498	PL.5956	ABC	30T	7.33Y	122.1	0.00	2.89	0.70	0	14	6	92	0.00	0.0	5.048	0.005	0	0	0	1
PL.5957	PD.1498	ABC	1/0 AL URD	7.33Y	122.1	0.00	2.89	0.70	0	14	6	92	0.00	0.0	5.082	0.035	14	7	1	1
PL.6891	PL.7033	ABC	6 A (CWC)	7.33Y	122.1	0.03	2.89	9.56	7	192	86	91	0.05	0.0	5.026	0.090	9	2	2	12
PL.6894	PL.6891	ABC	6 A (CWC)	7.33Y	122.1	0.02	2.92	9.17	7	183	84	91	0.03	0.0	5.088	0.062	1	0	1	10
PL.7109	PL.6894	A	6 A (CWC)	7.33Y	122.1	0.00	2.92	2.11	2	15	3	98	0.00	0.0	5.093	0.005	0	0	0	8
PD.1475	PL.7109	A	30T	7.33Y	122.1	0.00	2.92	2.11	0	15	3	98	0.00	0.0	5.093	0.005	0	0	0	8

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Balanced Voltage Drop Report
Source: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.7110	PD.1475	A	6 A (CWC)	7.32Y	122.1	0.00	2.92	2.11	2	15	3	98	0.00	0.0	5.140	0.047	2	1	2	8
PL.7054	PL.7110	A	6 A (CWC)	7.32Y	122.1	0.00	2.92	1.77	1	13	2	99	0.00	0.0	5.156	0.016	0	0	0	6
PL.7055	PL.7054	A	6 A (CWC)	7.32Y	122.1	0.00	2.92	0.81	1	6	1	99	0.00	0.0	5.245	0.088	2	0	1	3
PL.6895	PL.7055	A	#2 ACSR	7.32Y	122.1	0.00	2.92	0.55	0	4	1	97	0.00	0.0	5.275	0.031	4	1	2	2
PL.32694	PL.7054	A	#1/0 ACSR	7.32Y	122.1	0.00	2.92	0.96	0	7	1	99	0.00	0.0	5.180	0.024	6	1	2	3
PL.65706	PL.32694	A	1/0 AL URD	7.32Y	122.1	0.00	2.92	0.11	0	1	0	100	0.00	0.0	5.215	0.035	0	0	0	1
PL.65707	PL.65706	A	1/0 AL URD	7.32Y	122.1	0.00	2.92	0.10	0	1	0	100	0.00	0.0	5.249	0.034	0	0	0	1
PL.65708	PL.65707	A	1/0 AL URD	7.32Y	122.1	0.00	2.92	0.10	0	1	0	100	0.00	0.0	5.277	0.028	1	0	1	1
PL.7052	PL.6894	ABC	6 A (CWC)	7.32Y	122.1	0.03	2.95	8.46	6	167	81	90	0.05	0.0	5.189	0.101	0	0	0	1
PL.7053	PL.7052	ABC	6 A (CWC)	7.32Y	122.0	0.01	2.96	8.46	6	167	81	90	0.01	0.0	5.231	0.042	167	81	1	1
PL.6886	PL.7032	A	#4 ACSR	7.34Y	122.4	0.00	2.60	1.17	1	8	2	97	0.00	0.0	4.622	0.037	8	2	1	1
PL.5916	PL.6931	C	#4 ACSR	7.35Y	122.6	0.00	2.42	0.01	0	0	0	100	0.00	0.0	4.405	0.005	0	0	0	1
PD.1477	PL.5916	C	30T	7.35Y	122.6	0.00	2.42	0.01	0	0	0	100	0.00	0.0	4.405	0.005	0	0	0	1
PL.5917	PD.1477	C	#4 ACSR	7.35Y	122.6	0.00	2.42	0.01	0	0	0	100	0.00	0.0	4.681	0.276	0	0	1	1
PL.7025	PL.6927	C	#4 ACSR	7.38Y	123.0	0.00	1.98	0.89	1	6	1	99	0.00	0.0	4.001	0.029	0	0	1	3
PL.7026	PL.7025	C	#4 ACSR	7.38Y	123.0	0.00	1.98	0.89	1	6	1	99	0.00	0.0	4.025	0.024	6	1	2	2
PL.6871	PL.6870	C	6 A (CWC)	7.39Y	123.1	0.00	1.89	0.90	1	7	1	99	0.00	0.0	3.947	0.061	7	1	1	1
PL.5936	PL.7248	C	#1/0 ACSR	7.39Y	123.2	0.00	1.76	0.28	0	2	0	100	0.00	0.0	3.767	0.005	0	0	0	1
PD.1489	PL.5936	C	30T	7.39Y	123.2	0.00	1.76	0.28	0	2	0	100	0.00	0.0	3.767	0.005	0	0	0	1
PL.5937	PD.1489	C	#1/0 ACSR	7.39Y	123.2	0.00	1.76	0.28	0	2	0	100	0.00	0.0	3.777	0.011	0	0	0	1
PL.7023	PL.5937	C	#1/0 ACSR	7.39Y	123.2	0.00	1.76	0.28	0	2	0	100	0.00	0.0	3.808	0.031	2	0	1	1
PL.7024	PL.7023	C	#1/0 ACSR	7.39Y	123.2	0.00	1.76	0.00	0	0	0	100	0.00	0.0	3.853	0.045	0	0	0	0
PL.7129	PL.6945	C	#2 ACSR	7.40Y	123.3	0.00	1.72	6.86	4	50	10	98	0.00	0.0	3.572	0.002	0	0	0	8
PD.1508	PL.7129	C	30T	7.40Y	123.3	0.00	1.72	6.86	0	50	10	98	0.00	0.0	3.572	0.002	0	0	0	8
PL.7130	PD.1508	C	#2 ACSR	7.40Y	123.3	0.00	1.72	6.86	4	50	10	98	0.00	0.0	3.582	0.009	10	2	2	8
PL.6880	PL.7130	C	6 A (CWC)	7.40Y	123.3	0.00	1.72	0.45	0	3	1	95	0.00	0.0	3.614	0.032	3	1	1	1
PL.28008	PL.7130	C	#4 ACSR	7.40Y	123.3	0.01	1.73	4.96	4	36	8	98	0.00	0.0	3.623	0.042	0	0	0	5
PL.28009	PL.28008	C	#4 ACSR	7.40Y	123.3	0.01	1.74	4.96	4	36	8	98	0.00	0.0	3.687	0.064	7	1	1	5
PL.6883	PL.28009	C	#4 ACSR	7.40Y	123.3	0.00	1.74	1.06	1	8	2	97	0.00	0.0	3.749	0.062	8	2	2	2
PL.7027	PL.28009	C	#4 ACSR	7.39Y	123.2	0.01	1.75	2.93	2	21	4	98	0.00	0.0	3.791	0.104	8	2	1	2
PL.7028	PL.7027	C	#4 ACSR	7.39Y	123.2	0.00	1.75	1.82	1	13	3	97	0.00	0.0	3.867	0.076	13	3	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: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.7139	PL.6923	A	#1/0 ACSR	7.41Y	123.6	0.00	1.44	5.58	2	40	9	98	0.00	0.0	2.548	0.005	0	0	0	10
PD.1513	PL.7139	A	30T	7.41Y	123.6	0.00	1.44	5.58	0	40	9	98	0.00	0.0	2.548	0.005	0	0	0	10
PL.7140	PD.1513	A	#1/0 ACSR	7.41Y	123.5	0.01	1.45	5.58	2	40	9	98	0.00	0.0	2.601	0.053	13	3	2	10
PL.6865	PL.7140	A	#4 ACSR	7.41Y	123.5	0.01	1.46	3.75	3	27	6	98	0.00	0.0	2.662	0.061	17	4	2	8
PL.6866	PL.6865	A	#2 ACSR	7.41Y	123.5	0.00	1.46	1.43	1	10	2	98	0.00	0.0	2.722	0.060	10	2	6	6
PL.7141	PL.6922	A	6 A (CWC)	7.41Y	123.6	0.00	1.42	1.35	1	10	2	98	0.00	0.0	2.488	0.005	0	0	0	1
PD.1514	PL.7141	A	30T	7.41Y	123.6	0.00	1.42	1.35	0	10	2	98	0.00	0.0	2.488	0.005	0	0	0	1
PL.7142	PD.1514	A	6 A (CWC)	7.41Y	123.6	0.00	1.43	1.35	1	10	2	98	0.00	0.0	2.544	0.057	10	2	1	1
PL.6864	PL.6921	ABC	#1/0 ACSR	7.42Y	123.7	0.00	1.34	0.62	0	13	4	96	0.00	0.0	2.221	0.002	5	2	1	2
PL.7107	PL.6864	B	#1/0 ACSR	7.42Y	123.7	0.00	1.34	1.16	1	8	2	97	0.00	0.0	2.226	0.005	0	0	0	1
PD.1474	PL.7107	B	65T	7.42Y	123.7	0.00	1.34	1.16	0	8	2	97	0.00	0.0	2.226	0.005	0	0	0	1
PL.7108	PD.1474	B	#1/0 ACSR	7.42Y	123.7	0.00	1.34	1.16	1	8	2	97	0.00	0.0	2.258	0.032	8	2	1	1
PL.5946	PL.6920	A	#4 ACSR	7.42Y	123.7	0.00	1.32	3.67	3	27	6	98	0.00	0.0	2.179	0.007	0	0	0	7
PD.1493	PL.5946	A	65T	7.42Y	123.7	0.00	1.32	3.67	0	27	6	98	0.00	0.0	2.179	0.007	0	0	0	7
PL.5947	PD.1493	A	#4 ACSR	7.42Y	123.7	0.00	1.32	3.67	3	27	6	98	0.00	0.0	2.197	0.017	27	6	7	7
PL.5927	PL.7071	A	#1/0 ACSR	7.42Y	123.7	0.00	1.27	0.79	0	6	1	99	0.00	0.0	2.058	0.021	2	0	1	4
PL.6863	PL.5927	A	#1/0 ACSR	7.42Y	123.7	0.00	1.27	0.51	0	4	1	97	0.00	0.0	2.078	0.020	4	1	3	3
PL.7125	PL.5555	ABC	336 MCM AC	7.43Y	123.8	0.00	1.18	0.00	0	0	0	100	0.00	0.0	1.820	0.000	0	0	0	0
PD.1506-A	PL.7125	ABC	Open	7.43Y	123.8	0.00	1.18	0.00	0	0	0	100	0.00	0.0	1.820	0.000	0	0	0	0
PL.7099	PL.6919	A	6 A (CWC)	7.45Y	124.1	0.00	0.90	3.19	2	23	5	98	0.00	0.0	1.346	0.005	0	0	0	4
PD.1470	PL.7099	A	65T	7.45Y	124.1	0.00	0.90	3.19	0	23	5	98	0.00	0.0	1.346	0.005	0	0	0	4
PL.7100	PD.1470	A	6 A (CWC)	7.45Y	124.1	0.00	0.90	3.19	2	23	5	98	0.00	0.0	1.376	0.030	1	0	1	4
PL.6995	PL.7100	A	#1/0 ACSR	7.45Y	124.1	0.00	0.91	3.03	1	22	5	98	0.00	0.0	1.424	0.048	16	3	2	3
PL.6996	PL.6995	A	#1/0 ACSR	7.45Y	124.1	0.00	0.91	0.90	0	7	1	99	0.00	0.0	1.469	0.044	7	1	1	1
PL.5934	PL.6918	C	#2 ACSR	7.45Y	124.1	0.00	0.85	0.00	0	0	0	100	0.00	0.0	1.267	0.005	0	0	0	0
PD.1487	PL.5934	C	65T	7.45Y	124.1	0.00	0.85	0.00	0	0	0	100	0.00	0.0	1.267	0.005	0	0	0	0
PL.5935	PD.1487	C	#2 ACSR	7.45Y	124.1	0.00	0.85	0.00	0	0	0	100	0.00	0.0	1.307	0.040	0	0	0	0
PL.7095	PL.6993	B	6 A (CWC)	7.47Y	124.5	0.00	0.53	2.15	2	16	3	98	0.00	0.0	0.755	0.005	0	0	0	8
PD.1468	PL.7095	B	65T	7.47Y	124.5	0.00	0.53	2.15	0	16	3	98	0.00	0.0	0.755	0.005	0	0	0	8
PL.7096	PD.1468	B	6 A (CWC)	7.47Y	124.5	0.00	0.53	2.15	2	16	3	98	0.00	0.0	0.803	0.048	16	3	8	8
PL.6854	PL.6853	ABC	6 A (CWC)	7.47Y	124.5	0.00	0.48	0.64	0	14	3	98	0.00	0.0	0.730	0.055	0	0	0	5

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Balanced Voltage Drop Report
Source: Greenbriar

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.6855	PL.6854	ABC	6 A (CWC)	7.47Y	124.5	0.00	0.48	0.64	0	14	3	98	0.00	0.0	0.731	0.002	4	1	3	5
PL.7101	PL.6855	B	#4 ACSR	7.47Y	124.5	0.00	0.48	1.43	1	10	2	98	0.00	0.0	0.736	0.005	0	0	0	2
PD.1471	PL.7101	B	65T	7.47Y	124.5	0.00	0.48	1.43	0	10	2	98	0.00	0.0	0.736	0.005	0	0	0	2
PL.7102	PD.1471	B	#4 ACSR	7.47Y	124.5	0.00	0.49	1.43	1	10	2	98	0.00	0.0	0.841	0.105	10	2	2	2
PL.7105	PL.6974	B	6 A (CWC)	7.48Y	124.6	0.00	0.38	1.03	1	8	2	97	0.00	0.0	0.524	0.005	0	0	0	1
PD.1473	PL.7105	B	65T	7.48Y	124.6	0.00	0.38	1.03	0	8	2	97	0.00	0.0	0.524	0.005	0	0	0	1
PL.7106	PD.1473	B	6 A (CWC)	7.48Y	124.6	0.00	0.38	1.03	1	8	2	97	0.00	0.0	0.552	0.028	8	2	1	1
PL.7168	PL.7186	ABC	336 MCM AC	7.48Y	124.7	0.00	0.27	0.00	0	0	0	100	0.00	0.0	0.359	0.002	0	0	0	0

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	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	10199	0	0	0	0	0	207	0.00	10406
KVAR	3076	0	0	-20	0	0	378		3433

Lowest Voltage = 115.91 on Element PL.5299
Max Accm VoltD = 9.09 on Element PL.5299
Max Elem VoltD = 1.19 on Element PL.5276