

Balanced Voltage Drop Report
Source: Hargett

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
Hargett		ABC	SRC-Harget	7.50Y	125.0	0.00	0.00	290.87	0	6216	2048	95	0.00	0.0	0.000	0.000	0	0	0	1396
PL.21528	Hargett	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	47.12	9	1014	310	96	0.00	0.0	0.005	0.005	0	0	0	246
PL.72940	PL.21528	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	47.12	9	1014	310	96	0.00	0.0	0.009	0.004	0	0	0	246

----- Feeder No. 1 (SpoutSpring F1) Beginning with Device PD.11206 -----																				
PD.11206	PL.72940	ABC	360VWE	7.50Y	125.0	0.00	0.00	47.12	0	1014	310	96	0.00	0.0	0.009	0.004	0	0	0	246
PL.21529	PD.11206	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	47.12	9	1014	310	96	0.00	0.0	0.018	0.009	0	0	0	246
PL.21676	PL.21529	B	#4 ACSR	7.50Y	125.0	0.00	0.00	1.34	1	10	3	96	0.00	0.0	0.022	0.005	0	0	0	2
PD.3093	PL.21676	B	65T	7.50Y	125.0	0.00	0.00	1.34	0	10	3	96	0.00	0.0	0.022	0.005	0	0	0	2
PL.21677	PD.3093	B	#4 ACSR	7.50Y	125.0	0.00	0.00	1.34	1	10	3	96	0.00	0.0	0.048	0.026	5	1	1	2
PL.21608	PL.21677	B	#4 ACSR	7.50Y	125.0	0.00	0.01	0.68	1	5	1	98	0.00	0.0	0.140	0.092	5	1	1	1
PL.21439	PL.21529	ABC	397 SPACER	7.50Y	125.0	0.01	0.02	46.68	9	1004	307	96	0.02	0.0	0.101	0.083	0	0	0	244
PL.21440	PL.21439	ABC	397 SPACER	7.50Y	125.0	0.01	0.03	42.17	8	907	278	96	0.02	0.0	0.201	0.100	0	0	0	224
PL.21334	PL.21440	ABC	#1/0 ACSR	7.49Y	124.9	0.08	0.11	42.17	18	907	278	96	0.47	0.1	0.301	0.100	4	1	3	224
PL.21523	PL.21334	ABC	#1/0 ACSR	7.49Y	124.9	0.03	0.13	41.01	18	882	270	96	0.15	0.0	0.335	0.034	3	1	1	217
PL.21534	PL.21523	ABC	#1/0 ACSR	7.48Y	124.7	0.13	0.27	40.88	18	879	269	96	0.80	0.1	0.514	0.179	0	0	0	216
PL.21705	PL.21534	B	#4 ACSR	7.48Y	124.7	0.00	0.27	2.86	2	21	6	96	0.00	0.0	0.517	0.003	0	0	0	5
PD.3106	PL.21705	B	35L	7.48Y	124.7	0.00	0.27	2.86	8	21	6	96	0.00	0.0	0.517	0.003	0	0	0	5
PL.21706	PD.3106	B	#4 ACSR	7.48Y	124.7	0.02	0.29	2.86	2	21	6	96	0.00	0.0	0.684	0.167	0	0	0	5
PL.65711	PL.21706	B	#1/0 ACSR	7.48Y	124.7	-0.00	0.29	-0.04	0	0	100	0.00	0.0	0.730	0.046	0	0	0	0	
PL.65712	PL.65711	B	1/0 AL URD	7.48Y	124.7	-0.00	0.29	-0.04	0	0	100	0.00	0.0	0.798	0.068	0	0	0	0	
PL.21536	PL.21706	B	#4 ACSR	7.48Y	124.7	0.01	0.30	2.87	2	21	6	96	0.00	0.0	0.778	0.094	0	0	0	5
PL.21336	PL.21536	B	6 A (CWC)	7.48Y	124.7	0.02	0.32	2.87	2	21	6	96	0.00	0.0	0.963	0.184	0	0	0	5
PL.21621	PL.21336	B	#4 ACSR	7.48Y	124.7	0.00	0.32	1.18	1	8	3	94	0.00	0.0	0.968	0.005	0	0	0	3
PD.3066	PL.21621	B	15T	7.48Y	124.7	0.00	0.32	1.18	0	8	3	94	0.00	0.0	0.968	0.005	0	0	0	3
PL.21622	PD.3066	B	#4 ACSR	7.48Y	124.7	0.00	0.33	1.18	1	8	3	94	0.00	0.0	1.054	0.086	0	0	0	3
PL.21338	PL.21622	B	#4 ACSR	7.48Y	124.7	0.00	0.33	0.00	0	0	100	0.00	0.0	1.190	0.136	0	0	0	0	
PL.21339	PL.21622	B	#4 ACSR	7.48Y	124.7	0.01	0.34	1.18	1	8	3	94	0.00	0.0	1.195	0.141	0	0	0	3
PL.21352	PL.21339	B	#4 ACSR	7.48Y	124.7	0.00	0.34	0.51	0	4	1	97	0.00	0.0	1.365	0.170	4	1	1	1
PL.21353	PL.21339	B	#4 ACSR	7.48Y	124.7	0.00	0.34	0.67	1	5	1	98	0.00	0.0	1.296	0.101	0	0	0	2
PL.21497	PL.21353	B	#4 ACSR	7.48Y	124.7	0.00	0.34	0.67	1	5	1	98	0.00	0.0	1.407	0.111	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

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.21480	PL.21497	B	#4 ACSR	7.48Y	124.7	0.01	0.35	0.67	1	5	1	98	0.00	0.0	1.576	0.170	0	0	0	2
PL.21481	PL.21480	B	#4 ACSR	7.48Y	124.7	0.00	0.35	0.67	1	5	1	98	0.00	0.0	1.719	0.143	5	1	2	2
PL.21445	PL.21336	B	6 A (CWC)	7.48Y	124.7	0.00	0.33	1.69	1	12	4	95	0.00	0.0	0.993	0.030	3	1	1	2
PL.21337	PL.21445	B	#4 ACSR	7.48Y	124.7	0.00	0.33	1.34	1	10	3	96	0.00	0.0	1.110	0.117	10	3	1	1
PL.21444	PL.21534	ABC	#1/0 ACSR	7.48Y	124.7	0.05	0.32	39.92	17	857	262	96	0.29	0.0	0.582	0.068	2	1	1	211
PL.21340	PL.21444	ABC	#1/0 ACSR	7.47Y	124.6	0.13	0.44	39.49	17	848	259	96	0.74	0.1	0.761	0.179	0	0	0	209
PL.21446	PL.21340	ABC	#1/0 ACSR	7.47Y	124.5	0.09	0.53	36.21	16	776	239	96	0.45	0.1	0.890	0.129	0	0	0	196
PL.21496	PL.21446	ABC	#1/0 ACSR	7.47Y	124.4	0.05	0.58	36.21	16	775	238	96	0.25	0.0	0.961	0.072	0	0	0	196
PL.21482	PL.21496	ABC	#1/0 ACSR	7.46Y	124.4	0.07	0.64	36.21	16	775	238	96	0.35	0.0	1.062	0.101	2	1	1	196
PL.21344	PL.21482	ABC	#1/0 ACSR	7.46Y	124.3	0.06	0.70	36.10	16	773	237	96	0.30	0.0	1.150	0.087	0	0	1	195
PL.21548	PL.21344	B	6 A (CWC)	7.46Y	124.3	0.02	0.72	12.72	9	91	28	96	0.01	0.0	1.177	0.027	4	1	1	27
PL.21549	PL.21548	B	6 A (CWC)	7.45Y	124.2	0.04	0.75	12.22	9	87	27	96	0.02	0.0	1.244	0.067	0	0	0	26
PL.21348	PL.21549	B	#4 ACSR	7.45Y	124.2	0.00	0.76	0.68	1	5	1	98	0.00	0.0	1.299	0.055	5	1	1	1
PL.21512	PL.21549	B	6 A (CWC)	7.45Y	124.2	0.05	0.80	11.54	8	82	25	96	0.03	0.0	1.338	0.094	1	0	1	25
PL.21511	PL.21512	B	6 A (CWC)	7.45Y	124.2	0.01	0.81	9.99	7	71	22	96	0.00	0.0	1.359	0.021	0	0	0	22
PL.21711	PL.21511	B	6 A (CWC)	7.45Y	124.2	0.00	0.82	9.99	7	71	22	96	0.00	0.0	1.362	0.003	0	0	0	22
PD.3109	PL.21711	B	35L	7.45Y	124.2	0.00	0.82	9.99	29	71	22	96	0.00	0.0	1.362	0.003	0	0	0	22
PL.21712	PD.3109	B	6 A (CWC)	7.45Y	124.1	0.08	0.90	9.99	7	71	22	96	0.04	0.1	1.544	0.183	0	0	1	22
PL.21510	PL.21712	B	#4 ACSR	7.44Y	124.0	0.07	0.96	9.63	7	69	21	96	0.03	0.0	1.695	0.151	0	0	0	19
PL.21351	PL.21510	B	#4 ACSR	7.44Y	124.0	0.00	0.97	0.88	1	6	2	95	0.00	0.0	1.728	0.033	6	2	1	1
PL.21350	PL.21510	B	#4 ACSR	7.44Y	124.0	0.01	0.98	8.75	7	62	19	96	0.01	0.0	1.728	0.033	0	0	0	18
PL.21448	PL.21350	B	#4 ACSR	7.44Y	124.0	0.05	1.03	8.43	6	60	18	96	0.02	0.0	1.867	0.139	0	0	0	17
PL.21358	PL.21448	B	#4 ACSR	7.44Y	124.0	0.02	1.05	4.81	4	34	10	96	0.00	0.0	1.953	0.086	0	0	0	9
PL.21483	PL.21358	B	#4 ACSR	7.44Y	123.9	0.02	1.07	4.81	4	34	10	96	0.01	0.0	2.059	0.107	0	0	0	9
PL.21360	PL.21483	B	#2 ACSR	7.44Y	123.9	0.01	1.08	1.78	1	13	4	96	0.00	0.0	2.187	0.128	3	1	1	4
PL.21361	PL.21360	B	#2 ACSR	7.44Y	123.9	0.00	1.08	1.34	1	10	3	96	0.00	0.0	2.252	0.064	10	3	3	3
PL.21359	PL.21483	B	#2 ACSR	7.44Y	123.9	0.00	1.07	0.45	0	3	1	95	0.00	0.0	2.131	0.072	3	1	1	1
PL.21554	PL.21483	B	#4 ACSR	7.44Y	123.9	0.01	1.08	2.57	2	18	6	95	0.00	0.0	2.130	0.070	9	3	1	4
PL.21555	PL.21554	B	#4 ACSR	7.43Y	123.9	0.01	1.08	1.34	1	10	3	96	0.00	0.0	2.299	0.170	6	2	1	3
PL.21551	PL.21555	B	#4 ACSR	7.43Y	123.9	0.00	1.09	0.50	0	4	1	97	0.00	0.0	2.361	0.061	0	0	0	2
PL.21550	PL.21551	B	#4 ACSR	7.43Y	123.9	0.00	1.09	0.50	0	4	1	97	0.00	0.0	2.479	0.119	3	1	1	2

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.21537	PL.21550	B	#4 ACSR	7.43Y	123.9	0.00	1.09	0.02	0	0	0	100	0.00	0.0	2.539	0.059	0	0	1	1
PL.21355	PL.21448	B	#4 ACSR	7.44Y	124.0	0.00	1.03	0.13	0	1	0	100	0.00	0.0	1.983	0.116	1	0	1	1
PL.21552	PL.21448	B	#4 ACSR	7.44Y	124.0	0.01	1.04	3.50	3	25	8	95	0.00	0.0	1.907	0.040	1	0	1	7
PL.21553	PL.21552	B	#4 ACSR	7.44Y	123.9	0.01	1.05	3.35	3	24	7	96	0.00	0.0	2.001	0.094	0	0	0	6
PL.21356	PL.21553	B	#4 ACSR	7.44Y	123.9	0.00	1.05	2.21	2	16	5	95	0.00	0.0	2.068	0.068	16	5	4	4
PL.21357	PL.21553	B	#4 ACSR	7.44Y	123.9	0.00	1.05	1.14	1	8	2	97	0.00	0.0	2.068	0.068	8	2	2	2
PL.21354	PL.21350	B	#4 ACSR	7.44Y	124.0	0.00	0.98	0.32	0	2	1	89	0.00	0.0	1.820	0.092	2	1	1	1
PL.21509	PL.21712	B	#4 ACSR	7.45Y	124.1	0.00	0.90	0.34	0	2	1	89	0.00	0.0	1.609	0.064	0	0	1	2
PL.21349	PL.21509	B	#2 ACSR	7.45Y	124.1	0.00	0.90	0.34	0	2	1	89	0.00	0.0	1.769	0.160	2	1	1	1
PL.21546	PL.21512	B	#4 ACSR	7.45Y	124.2	0.00	0.81	1.47	1	10	3	96	0.00	0.0	1.364	0.026	2	1	1	2
PL.21547	PL.21546	B	#4 ACSR	7.45Y	124.2	0.00	0.81	1.12	1	8	2	97	0.00	0.0	1.412	0.048	8	2	1	1
PL.21709	PL.21344	C	6 A (CWC)	7.46Y	124.3	0.00	0.70	18.58	13	133	40	96	0.00	0.0	1.152	0.003	0	0	0	33
PD.3108	PL.21709	C	35L	7.46Y	124.3	0.00	0.70	18.58	53	133	40	96	0.00	0.0	1.152	0.003	0	0	0	33
PL.21710	PD.3108	C	6 A (CWC)	7.45Y	124.2	0.14	0.84	18.58	13	133	40	96	0.13	0.1	1.319	0.166	10	3	1	33
PL.21362	PL.21710	C	6 A (CWC)	7.45Y	124.2	0.00	0.84	1.54	1	11	3	96	0.00	0.0	1.357	0.038	11	3	1	1
PL.21513	PL.21710	C	6 A (CWC)	7.45Y	124.1	0.03	0.87	15.61	11	111	33	96	0.03	0.0	1.364	0.046	0	0	0	31
PL.21364	PL.21513	C	#1/0 ACSR	7.45Y	124.1	-0.00	0.87	-0.05	0	0	0	100	0.00	0.0	1.409	0.044	0	0	0	0
PL.21630	PL.21364	C	1/0 AL URD	7.45Y	124.1	0.00	0.87	-0.05	0	0	0	100	0.00	0.0	1.413	0.005	0	0	0	0
PD.3071	PL.21630	C	15T	7.45Y	124.1	0.00	0.87	-0.05	0	0	0	100	0.00	0.0	1.413	0.005	0	0	0	0
PL.21631	PD.3071	C	1/0 AL URD	7.45Y	124.1	-0.00	0.87	-0.05	0	0	0	100	0.00	0.0	1.510	0.097	0	0	0	0
PL.21363	PL.21513	C	6 A (CWC)	7.44Y	124.1	0.06	0.94	14.18	10	101	31	96	0.05	0.0	1.462	0.098	0	0	0	30
PL.21366	PL.21363	C	#2 ACSR	7.44Y	124.1	0.00	0.94	0.67	0	5	1	98	0.00	0.0	1.500	0.037	5	1	1	1
PL.21449	PL.21363	C	6 A (CWC)	7.44Y	124.0	0.04	0.98	13.51	10	96	29	96	0.03	0.0	1.534	0.072	0	0	0	29
PL.21517	PL.21449	C	6 A (CWC)	7.44Y	124.0	0.04	1.02	12.96	9	92	28	96	0.03	0.0	1.601	0.067	7	2	1	28
PL.21368	PL.21517	C	#2 ACSR	7.44Y	124.0	0.00	1.02	1.06	1	8	2	97	0.00	0.0	1.662	0.060	8	2	1	1
PL.21518	PL.21517	C	6 A (CWC)	7.44Y	124.0	0.01	1.03	10.86	8	77	23	96	0.01	0.0	1.626	0.024	0	0	0	26
PL.21520	PL.21518	C	6 A (CWC)	7.43Y	123.9	0.05	1.08	10.86	8	77	23	96	0.03	0.0	1.731	0.105	2	1	1	26
PL.21540	PL.21520	C	6 A (CWC)	7.43Y	123.9	0.03	1.12	10.03	7	71	21	96	0.02	0.0	1.802	0.072	6	2	1	23
PL.21541	PL.21540	C	6 A (CWC)	7.43Y	123.8	0.04	1.15	9.19	7	65	20	96	0.02	0.0	1.890	0.088	0	0	0	22
PL.21450	PL.21541	C	6 A (CWC)	7.43Y	123.8	0.04	1.19	9.19	7	65	20	96	0.02	0.0	1.974	0.084	0	0	0	22
PL.21544	PL.21450	C	6 A (CWC)	7.43Y	123.8	0.00	1.19	1.50	1	11	3	96	0.00	0.0	2.009	0.035	5	2	1	4

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PL.21545	PL.21544	C	6 A (CWC)	7.43Y	123.8	0.00	1.19	0.76	1	5	2	93	0.00	0.0	2.072	0.063	0	0	0	3
PL.21452	PL.21545	C	6 A (CWC)	7.43Y	123.8	0.00	1.20	0.76	1	5	2	93	0.00	0.0	2.138	0.066	0	0	1	3
PL.21372	PL.21452	C	#2 ACSR	7.43Y	123.8	0.00	1.20	0.76	0	5	2	93	0.00	0.0	2.192	0.054	5	2	2	2
PL.21371	PL.21545	C	#1/0 ACSR	7.43Y	123.8	0.00	1.19	0.00	0	0	0	100	0.00	0.0	2.087	0.016	0	0	0	0
PL.21451	PL.21450	C	6 A (CWC)	7.43Y	123.8	0.02	1.21	7.69	5	55	16	96	0.01	0.0	2.035	0.061	9	3	1	18
PL.21373	PL.21451	C	6 A (CWC)	7.43Y	123.8	0.01	1.22	6.38	5	45	14	95	0.00	0.0	2.069	0.034	0	0	0	17
PL.21453	PL.21373	C	6 A (CWC)	7.42Y	123.7	0.04	1.26	6.22	4	44	13	96	0.01	0.0	2.225	0.156	0	0	0	16
PL.21376	PL.21453	C	#4 ACSR	7.42Y	123.7	0.01	1.28	3.80	3	27	8	96	0.00	0.0	2.306	0.081	0	0	0	12
PL.21378	PL.21376	C	#4 ACSR	7.42Y	123.7	0.00	1.28	0.17	0	1	0	100	0.00	0.0	2.354	0.048	0	0	0	2
PL.21703	PL.21378	C	1/0 AL URD	7.42Y	123.7	0.00	1.28	0.17	0	1	0	100	0.00	0.0	2.359	0.005	0	0	0	2
PD.3105	PL.21703	C	15T	7.42Y	123.7	0.00	1.28	0.17	0	1	0	100	0.00	0.0	2.359	0.005	0	0	0	2
PL.21704	PD.3105	C	1/0 AL URD	7.42Y	123.7	0.00	1.28	0.17	0	1	0	100	0.00	0.0	2.418	0.059	1	0	2	2
PL.21522	PL.21376	C	#4 ACSR	7.42Y	123.7	0.02	1.29	3.63	3	26	8	96	0.00	0.0	2.413	0.107	6	2	1	10
PL.21379	PL.21522	C	#4 ACSR	7.42Y	123.7	0.00	1.29	1.01	1	7	2	96	0.00	0.0	2.486	0.073	7	2	2	2
PL.21567	PL.21522	C	#4 ACSR	7.42Y	123.7	0.00	1.30	1.73	1	12	4	95	0.00	0.0	2.464	0.051	6	2	1	7
PL.21568	PL.21567	C	#4 ACSR	7.42Y	123.7	0.00	1.30	0.93	1	7	2	96	0.00	0.0	2.544	0.080	0	0	0	6
PL.21571	PL.21568	C	#4 ACSR	7.42Y	123.7	0.00	1.30	0.93	1	7	2	96	0.00	0.0	2.579	0.035	0	0	0	5
PL.21572	PL.21571	C	#4 ACSR	7.42Y	123.7	0.00	1.30	0.93	1	7	2	96	0.00	0.0	2.642	0.063	0	0	0	5
PL.21381	PL.21572	C	#4 ACSR	7.42Y	123.7	0.00	1.30	0.00	0	0	0	100	0.00	0.0	2.720	0.077	0	0	0	2
PL.21454	PL.21381	C	#4 ACSR	7.42Y	123.7	0.00	1.30	0.00	0	0	0	100	0.00	0.0	2.837	0.117	0	0	0	0
PL.21484	PL.21454	C	#4 ACSR	7.42Y	123.7	0.00	1.30	0.00	0	0	0	100	0.00	0.0	2.963	0.126	0	0	0	0
PL.21485	PL.21484	C	#4 ACSR	7.42Y	123.7	0.00	1.30	0.00	0	0	0	100	0.00	0.0	3.066	0.103	0	0	0	0
PL.21486	PL.21485	C	#4 ACSR	7.42Y	123.7	0.00	1.30	0.00	0	0	0	100	0.00	0.0	3.169	0.104	0	0	0	0
PL.21382	PL.21381	C	#2 ACSR	7.42Y	123.7	0.00	1.30	0.00	0	0	0	100	0.00	0.0	2.756	0.036	0	0	2	2
PL.21569	PL.21572	C	#4 ACSR	7.42Y	123.7	0.00	1.31	0.93	1	7	2	96	0.00	0.0	2.719	0.076	3	1	1	3
PL.21570	PL.21569	C	#4 ACSR	7.42Y	123.7	0.00	1.31	0.57	0	4	1	97	0.00	0.0	2.802	0.083	4	1	2	2
PL.21380	PL.21568	C	#2 ACSR	7.42Y	123.7	0.00	1.30	0.00	0	0	0	100	0.00	0.0	2.623	0.079	0	0	1	1
PL.21375	PL.21453	C	6 A (CWC)	7.42Y	123.7	0.01	1.27	2.42	2	17	5	96	0.00	0.0	2.305	0.080	0	0	0	4
PL.21542	PL.21375	C	#4 ACSR	7.42Y	123.7	0.00	1.28	0.96	1	7	2	96	0.00	0.0	2.427	0.122	5	2	1	2
PL.21543	PL.21542	C	#4 ACSR	7.42Y	123.7	0.00	1.28	0.20	0	1	0	100	0.00	0.0	2.495	0.068	1	0	1	1
PL.21377	PL.21375	C	6 A (CWC)	7.42Y	123.7	0.00	1.27	1.46	1	10	3	96	0.00	0.0	2.341	0.036	10	3	2	2

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Balanced Voltage Drop Report
Source: Hargett

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.21374	PL.21373	C	#2 ACSR	7.43Y	123.8	0.00	1.22	0.17	0	1	0	100	0.00	0.0	2.120	0.051	1	0	1	1
PL.21369	PL.21520	C	6 A (CWC)	7.43Y	123.9	0.00	1.09	0.58	0	4	1	97	0.00	0.0	1.821	0.090	4	1	2	2
PL.21367	PL.21449	C	#4 ACSR	7.44Y	124.0	0.00	0.98	0.55	0	4	1	97	0.00	0.0	1.635	0.101	4	1	1	1
PL.21365	PL.21513	C	#2 ACSR	7.45Y	124.1	0.00	0.88	1.44	1	10	3	96	0.00	0.0	1.514	0.150	10	3	1	1
PL.21345	PL.21344	A C	#1/0 ACSR	7.46Y	124.3	0.03	0.73	38.51	17	549	169	96	0.10	0.0	1.182	0.033	0	0	0	134
PL.21455	PL.21345	A C	#1/0 ACSR	7.46Y	124.3	0.00	0.73	0.00	0	0	0	100	0.00	0.0	1.190	0.007	0	0	0	0
PL.21346	PL.21345	A C	#1/0 ACSR	7.46Y	124.3	0.02	0.75	38.51	17	549	169	96	0.08	0.0	1.209	0.027	0	0	0	134
PL.21556	PL.21346	A C	#1/0 ACSR	7.45Y	124.2	0.00	0.75	0.88	0	12	4	95	0.00	0.0	1.262	0.053	0	0	1	3
PL.21557	PL.21556	A C	#1/0 ACSR	7.45Y	124.2	0.00	0.75	0.84	0	12	4	95	0.00	0.0	1.274	0.012	0	0	0	2
PL.21628	PL.21557	A	#2 ACSR	7.45Y	124.2	0.00	0.75	1.68	1	12	4	95	0.00	0.0	1.279	0.005	0	0	0	2
PD.3070	PL.21628	A	65T	7.45Y	124.2	0.00	0.75	1.68	0	12	4	95	0.00	0.0	1.279	0.005	0	0	0	2
PL.21629	PD.3070	A	#2 ACSR	7.45Y	124.2	0.00	0.75	1.68	1	12	4	95	0.00	0.0	1.392	0.114	12	4	2	2
PL.21347	PL.21346	A C	#1/0 ACSR	7.45Y	124.2	0.07	0.82	37.63	16	536	165	96	0.23	0.0	1.293	0.083	0	0	0	131
PL.21456	PL.21347	A C	#1/0 ACSR	7.45Y	124.2	0.03	0.85	37.22	16	530	163	96	0.11	0.0	1.331	0.039	0	0	0	130
PL.21632	PL.21456	A	#1/0 ACSR	7.45Y	124.2	0.00	0.85	0.97	0	7	2	96	0.00	0.0	1.336	0.005	0	0	0	1
PD.3072	PL.21632	A	65T	7.45Y	124.2	0.00	0.85	0.97	0	7	2	96	0.00	0.0	1.336	0.005	0	0	0	1
PL.21633	PD.3072	A	#1/0 ACSR	7.45Y	124.2	0.00	0.85	0.97	0	7	2	96	0.00	0.0	1.343	0.007	7	2	1	1
PL.21558	PL.21633	A	#1/0 ACSR	7.45Y	124.2	0.00	0.85	0.00	0	0	0	100	0.00	0.0	1.376	0.033	0	0	0	0
PL.21717	PL.21456	A C	#1/0 ACSR	7.45Y	124.1	0.03	0.88	36.74	16	523	161	96	0.12	0.0	1.375	0.044	0	0	0	129
PD.3112	PL.21717	A C	50L	7.45Y	124.1	0.00	0.88	36.74	73	523	161	96	0.00	0.0	1.375	0.044	0	0	0	129
PL.21718	PD.3112	A C	#1/0 ACSR	7.44Y	124.0	0.14	1.02	36.74	16	523	161	96	0.50	0.1	1.562	0.187	0	0	0	129
PL.21681	PL.21718	C	#1/0 ACSR	7.44Y	124.0	0.00	1.03	2.15	1	15	5	95	0.00	0.0	1.566	0.005	0	0	0	3
PD.3096	PL.21681	C	20T	7.44Y	124.0	0.00	1.03	2.15	0	15	5	95	0.00	0.0	1.566	0.005	0	0	0	3
PL.21682	PD.3096	C	#1/0 ACSR	7.44Y	124.0	0.00	1.03	2.15	1	15	5	95	0.00	0.0	1.578	0.012	0	0	0	3
PL.21383	PL.21682	C	6 A (CWC)	7.44Y	124.0	0.00	1.03	2.15	2	15	5	95	0.00	0.0	1.643	0.065	15	5	3	3
PL.21636	PL.21718	A	#1/0 ACSR	7.44Y	124.0	0.00	1.02	0.46	0	3	1	95	0.00	0.0	1.566	0.005	0	0	0	2
PD.3074	PL.21636	A	20T	7.44Y	124.0	0.00	1.02	0.46	0	3	1	95	0.00	0.0	1.566	0.005	0	0	0	2
PL.21637	PD.3074	A	#1/0 ACSR	7.44Y	124.0	0.00	1.03	0.46	0	3	1	95	0.00	0.0	1.587	0.021	3	1	2	2
PL.21559	PL.21718	A C	#1/0 ACSR	7.44Y	123.9	0.06	1.08	35.43	15	504	155	96	0.18	0.0	1.636	0.074	0	0	2	124
PL.21560	PL.21559	A C	#1/0 ACSR	7.43Y	123.9	0.04	1.12	35.43	15	504	155	96	0.13	0.0	1.690	0.054	0	0	0	122
PL.21384	PL.21560	A C	#1/0 ACSR	7.43Y	123.8	0.04	1.16	35.43	15	504	155	96	0.13	0.0	1.742	0.052	0	0	0	122

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.21642	PL.21384	C	#1/0 ACSR	7.43Y	123.8	0.00	1.16	0.80	0	6	2	95	0.00	0.0	1.747	0.005	0	0	0	1
PD.3077	PL.21642	C	20T	7.43Y	123.8	0.00	1.16	0.80	0	6	2	95	0.00	0.0	1.747	0.005	0	0	0	1
PL.21643	PD.3077	C	#1/0 ACSR	7.43Y	123.8	0.00	1.16	0.80	0	6	2	95	0.00	0.0	1.774	0.027	6	2	1	1
PL.21457	PL.21384	A C	#1/0 ACSR	7.43Y	123.8	0.08	1.24	35.03	15	498	153	96	0.26	0.1	1.852	0.109	0	0	0	120
PL.21458	PL.21457	A C	#1/0 ACSR	7.42Y	123.7	0.08	1.32	35.01	15	497	152	96	0.27	0.1	1.962	0.110	0	0	0	119
PL.21638	PL.21458	A	#1/0 ACSR	7.42Y	123.7	0.00	1.32	0.72	0	5	2	93	0.00	0.0	1.966	0.005	0	0	0	1
PD.3075	PL.21638	A	20T	7.42Y	123.7	0.00	1.32	0.72	0	5	2	93	0.00	0.0	1.966	0.005	0	0	0	1
PL.21639	PD.3075	A	#1/0 ACSR	7.42Y	123.7	0.00	1.32	0.72	0	5	2	93	0.00	0.0	1.987	0.021	5	2	1	1
PL.21460	PL.21458	A C	#1/0 ACSR	7.42Y	123.6	0.06	1.38	34.65	15	492	150	96	0.19	0.0	2.043	0.081	0	0	0	118
PL.21644	PL.21460	C	#4 ACSR	7.42Y	123.6	0.00	1.38	1.23	1	9	3	95	0.00	0.0	2.048	0.005	0	0	0	5
PD.3078	PL.21644	C	20T	7.42Y	123.6	0.00	1.38	1.23	0	9	3	95	0.00	0.0	2.048	0.005	0	0	0	5
PL.21645	PD.3078	C	#4 ACSR	7.42Y	123.6	0.00	1.38	1.23	1	9	3	95	0.00	0.0	2.101	0.053	1	0	1	5
PL.21387	PL.21645	C	#4 ACSR	7.42Y	123.6	0.00	1.38	1.06	1	8	2	97	0.00	0.0	2.106	0.005	0	0	0	4
PD.3098	PL.21387	C	20T	7.42Y	123.6	0.00	1.38	1.06	0	8	2	97	0.00	0.0	2.106	0.005	0	0	0	4
PL.21462	PD.3098	C	#4 ACSR	7.42Y	123.6	0.00	1.39	1.06	1	8	2	97	0.00	0.0	2.176	0.070	0	0	0	4
PL.21390	PL.21462	C	#4 ACSR	7.42Y	123.6	0.01	1.39	1.06	1	8	2	97	0.00	0.0	2.321	0.146	3	1	1	4
PL.21508	PL.21390	C	#4 ACSR	7.42Y	123.6	0.00	1.39	0.58	0	4	1	97	0.00	0.0	2.409	0.088	3	1	1	3
PL.21389	PL.21508	C	#2 ACSR	7.42Y	123.6	0.00	1.39	0.00	0	0	0	100	0.00	0.0	2.472	0.063	0	0	0	0
PL.21507	PL.21508	C	#4 ACSR	7.42Y	123.6	0.00	1.39	0.22	0	2	0	100	0.00	0.0	2.470	0.061	2	0	2	2
PL.21388	PD.3098	C	#4 ACSR	7.42Y	123.6	0.00	1.38	0.00	0	0	0	100	0.00	0.0	2.175	0.069	0	0	0	0
PL.21391	PL.21388	C	#4 ACSR	7.42Y	123.6	0.00	1.38	0.00	0	0	0	100	0.00	0.0	2.233	0.058	0	0	0	0
PL.21461	PL.21460	A C	#1/0 ACSR	7.41Y	123.5	0.08	1.46	34.03	15	483	148	96	0.27	0.1	2.160	0.117	0	0	0	113
PL.21685	PL.21461	C	#1/0 ACSR	7.41Y	123.5	0.00	1.47	2.78	1	20	6	96	0.00	0.0	2.165	0.005	0	0	0	8
PD.3099	PL.21685	C	20T	7.41Y	123.5	0.00	1.47	2.78	0	20	6	96	0.00	0.0	2.165	0.005	0	0	0	8
PL.21686	PD.3099	C	#1/0 ACSR	7.41Y	123.5	0.00	1.47	2.78	1	20	6	96	0.00	0.0	2.181	0.016	4	1	1	8
PL.21573	PL.21686	C	#1/0 ACSR	7.41Y	123.5	0.00	1.47	2.26	1	16	5	95	0.00	0.0	2.239	0.059	0	0	2	7
PL.21574	PL.21573	C	#1/0 ACSR	7.41Y	123.5	0.00	1.47	2.19	1	16	5	95	0.00	0.0	2.331	0.091	0	0	0	5
PL.21393	PL.21574	C	#1/0 ACSR	7.41Y	123.5	0.00	1.47	0.05	0	0	0	100	0.00	0.0	2.388	0.057	0	0	1	1
PL.21575	PL.21574	C	#1/0 ACSR	7.41Y	123.5	0.00	1.48	2.15	1	15	5	95	0.00	0.0	2.436	0.105	4	1	1	4
PL.21576	PL.21575	C	#1/0 ACSR	7.41Y	123.5	0.00	1.48	1.63	1	12	4	95	0.00	0.0	2.538	0.102	9	3	1	3
PL.21395	PL.21576	C	#1/0 ACSR	7.41Y	123.5	0.00	1.48	0.01	0	0	0	100	0.00	0.0	2.595	0.057	0	0	1	1

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.21394	PL.21576	C	#1/0 ACSR	7.41Y	123.5	0.00	1.48	0.32	0	2	1	89	0.00	0.0	2.628	0.090	2	1	1	1
PL.21463	PL.21461	A C	#1/0 ACSR	7.41Y	123.5	0.03	1.49	32.33	14	458	140	96	0.09	0.0	2.202	0.042	0	0	0	103
PL.21392	PL.21463	A C	#1/0 ACSR	7.41Y	123.5	0.03	1.52	32.33	14	458	140	96	0.09	0.0	2.244	0.042	0	0	0	103
PL.21648	PL.21392	C	#1/0 ACSR	7.41Y	123.5	0.00	1.52	0.40	0	3	1	95	0.00	0.0	2.248	0.005	0	0	0	1
PD.3080	PL.21648	C	20T	7.41Y	123.5	0.00	1.52	0.40	0	3	1	95	0.00	0.0	2.248	0.005	0	0	0	1
PL.21649	PD.3080	C	#1/0 ACSR	7.41Y	123.5	0.00	1.52	0.40	0	3	1	95	0.00	0.0	2.287	0.039	3	1	1	1
PL.21693	PL.21392	A C	#1/0 ACSR	7.41Y	123.4	0.05	1.57	32.08	14	455	139	96	0.15	0.0	2.318	0.074	0	0	0	101
PL.21694	PL.21693	A C	#1/0 ACSR	7.41Y	123.4	0.00	1.57	32.08	14	455	138	96	0.01	0.0	2.322	0.004	9	3	1	101
PL.21689	PL.21694	C	#4 ACSR	7.41Y	123.4	0.00	1.58	4.16	3	29	9	96	0.00	0.0	2.326	0.005	0	0	0	9
PD.3101	PL.21689	C	20T	7.41Y	123.4	0.00	1.58	4.16	0	29	9	96	0.00	0.0	2.326	0.005	0	0	0	9
PL.21690	PD.3101	C	#4 ACSR	7.41Y	123.4	0.01	1.58	4.16	3	29	9	96	0.00	0.0	2.367	0.041	2	1	1	9
PL.21566	PL.21690	C	#4 ACSR	7.40Y	123.4	0.01	1.59	3.86	3	27	8	96	0.00	0.0	2.422	0.055	0	0	0	8
PL.21396	PL.21566	C	#1/0 ACSR	7.40Y	123.4	0.00	1.59	1.12	0	8	2	97	0.00	0.0	2.519	0.097	8	2	1	1
PL.21464	PL.21566	C	#4 ACSR	7.40Y	123.4	0.01	1.60	2.74	2	19	6	95	0.00	0.0	2.480	0.058	7	2	1	7
PL.21397	PL.21464	C	#2 ACSR	7.40Y	123.4	0.00	1.60	1.82	1	13	4	96	0.00	0.0	2.534	0.054	0	0	0	6
PL.21398	PL.21397	C	#1/0 ACSR	7.40Y	123.4	0.00	1.61	1.59	1	11	3	96	0.00	0.0	2.649	0.114	0	0	0	5
PL.21564	PL.21398	C	#1/0 ACSR	7.40Y	123.4	0.00	1.61	1.59	1	11	3	96	0.00	0.0	2.735	0.086	7	2	3	5
PL.21565	PL.21564	C	#1/0 ACSR	7.40Y	123.4	0.00	1.61	0.60	0	4	1	97	0.00	0.0	2.778	0.043	1	0	1	2
PL.21561	PL.21565	C	#1/0 ACSR	7.40Y	123.4	0.00	1.61	0.47	0	3	1	95	0.00	0.0	2.839	0.061	3	1	1	1
PL.21465	PL.21397	C	#2 ACSR	7.40Y	123.4	0.00	1.60	0.22	0	2	0	100	0.00	0.0	2.555	0.020	2	0	1	1
PL.21506	PL.21694	A C	#1/0 ACSR	7.40Y	123.3	0.10	1.68	29.34	13	416	127	96	0.29	0.1	2.491	0.169	0	0	0	90
PL.21695	PL.21506	C	#4 ACSR	7.40Y	123.3	0.00	1.68	0.32	0	2	1	89	0.00	0.0	2.495	0.005	0	0	0	1
PD.3103	PL.21695	C	20T	7.40Y	123.3	0.00	1.68	0.32	0	2	1	89	0.00	0.0	2.495	0.005	0	0	0	1
PL.21700	PD.3103	C	#4 ACSR	7.40Y	123.3	0.00	1.68	0.32	0	2	1	89	0.00	0.0	2.522	0.026	2	1	1	1
PL.21466	PL.21506	A C	#1/0 ACSR	7.39Y	123.2	0.08	1.75	29.18	13	413	126	96	0.21	0.1	2.615	0.124	0	0	0	89
PL.21656	PL.21466	C	#4 ACSR	7.39Y	123.2	0.00	1.76	0.33	0	2	1	89	0.00	0.0	2.620	0.005	0	0	0	1
PD.3083	PL.21656	C	20T	7.39Y	123.2	0.00	1.76	0.33	0	2	1	89	0.00	0.0	2.620	0.005	0	0	0	1
PL.21657	PD.3083	C	#4 ACSR	7.39Y	123.2	0.00	1.76	0.33	0	2	1	89	0.00	0.0	2.655	0.035	2	1	1	1
PL.21467	PL.21466	A C	#1/0 ACSR	7.39Y	123.2	0.07	1.82	28.17	12	399	121	96	0.18	0.0	2.728	0.113	0	0	0	85
PL.21579	PL.21467	A C	#1/0 ACSR	7.39Y	123.1	0.06	1.88	28.17	12	398	121	96	0.16	0.0	2.831	0.103	0	0	1	85
PL.21580	PL.21579	A C	#1/0 ACSR	7.38Y	123.1	0.06	1.94	28.15	12	398	121	96	0.15	0.0	2.926	0.094	7	2	1	84

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Balanced Voltage Drop Report
Source: Hargett

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.21578	PL.21580	A C	#1/0 ACSR	7.38Y	123.0	0.04	1.98	27.65	12	391	118	96	0.11	0.0	2.999	0.073	3	1	2	83
PL.21505	PL.21578	A C	#1/0 ACSR	7.38Y	123.0	0.03	2.01	22.73	10	321	97	96	0.06	0.0	3.061	0.062	0	0	0	65
PL.21652	PL.21505	A C	#1/0 ACSR	7.38Y	123.0	0.04	2.05	22.73	10	321	97	96	0.07	0.0	3.134	0.074	0	0	0	64
PL.21653	PL.21652	A C	#1/0 ACSR	7.38Y	123.0	0.00	2.05	22.73	10	321	97	96	0.00	0.0	3.139	0.004	6	2	1	64
PL.21504	PL.21653	A C	#1/0 ACSR	7.37Y	122.9	0.06	2.11	21.27	9	300	91	96	0.11	0.0	3.268	0.129	5	1	1	61
PL.21587	PL.21504	A C	#1/0 ACSR	7.37Y	122.9	0.02	2.13	15.60	7	220	66	96	0.03	0.0	3.330	0.062	7	2	1	45
PL.21588	PL.21587	A C	#1/0 ACSR	7.37Y	122.8	0.03	2.16	15.11	7	213	64	96	0.04	0.0	3.425	0.095	0	0	0	44
PL.21664	PL.21588	A	#2 ACSR	7.37Y	122.8	0.00	2.16	1.02	1	7	2	96	0.00	0.0	3.430	0.005	0	0	0	2
PD.3087	PL.21664	A	20T	7.37Y	122.8	0.00	2.16	1.02	0	7	2	96	0.00	0.0	3.430	0.005	0	0	0	2
PL.21665	PD.3087	A	#2 ACSR	7.37Y	122.8	0.00	2.16	1.02	1	7	2	96	0.00	0.0	3.518	0.088	7	2	2	2
PL.21473	PL.21588	A C	#1/0 ACSR	7.37Y	122.8	0.03	2.18	14.60	6	206	62	96	0.04	0.0	3.510	0.085	0	0	0	42
PL.21474	PL.21473	A C	#1/0 ACSR	7.37Y	122.8	0.02	2.20	14.47	6	204	61	96	0.03	0.0	3.586	0.076	0	0	0	41
PL.21713	PL.21474	C	#2 ACSR	7.37Y	122.8	0.00	2.21	1.55	1	11	3	96	0.00	0.0	3.622	0.036	0	0	0	3
PD.3110	PL.21713	C	35L	7.37Y	122.8	0.00	2.21	1.55	4	11	3	96	0.00	0.0	3.622	0.036	0	0	0	3
PL.21714	PD.3110	C	#2 ACSR	7.37Y	122.8	0.00	2.21	1.55	1	11	3	96	0.00	0.0	3.657	0.035	11	3	2	3
PL.21596	PL.21714	C	#2 ACSR	7.37Y	122.8	0.00	2.21	0.01	0	0	0	100	0.00	0.0	3.825	0.168	0	0	0	1
PL.21412	PL.21596	C	#2 ACSR	7.37Y	122.8	0.00	2.21	0.01	0	0	0	100	0.00	0.0	3.938	0.114	0	0	1	1
PL.21475	PL.21596	C	#2 ACSR	7.37Y	122.8	0.00	2.21	0.00	0	0	0	100	0.00	0.0	3.905	0.080	0	0	0	0
PL.21413	PL.21475	C	6 A (CWC)	7.37Y	122.8	0.00	2.21	0.00	0	0	0	100	0.00	0.0	4.030	0.125	0	0	0	0
PL.21488	PL.21413	C	6 A (CWC)	7.37Y	122.8	0.00	2.21	0.00	0	0	0	100	0.00	0.0	4.218	0.188	0	0	0	0
PL.21489	PL.21488	C	6 A (CWC)	7.37Y	122.8	0.00	2.21	0.00	0	0	0	100	0.00	0.0	4.281	0.063	0	0	0	0
PL.21414	PL.21489	C	6 A (CWC)	7.37Y	122.8	0.00	2.21	0.00	0	0	0	100	0.00	0.0	4.348	0.067	0	0	0	0
PL.21415	PL.21489	C	6 A (CWC)	7.37Y	122.8	0.00	2.21	0.00	0	0	0	100	0.00	0.0	4.337	0.056	0	0	0	0
PL.21409	PL.21474	A	#1/0 ACSR	7.36Y	122.7	0.05	2.25	27.39	12	193	58	96	0.06	0.0	3.659	0.073	0	0	0	38
PL.21410	PL.21409	A	#1/0 ACSR	7.36Y	122.7	0.05	2.30	27.05	12	191	57	96	0.06	0.0	3.738	0.079	0	0	0	37
PL.21715	PL.21410	A	#1/0 ACSR	7.36Y	122.7	0.00	2.30	24.86	11	175	52	96	0.00	0.0	3.741	0.003	0	0	0	36
PD.3111	PL.21715	A	35L	7.36Y	122.7	0.00	2.30	24.86	71	175	52	96	0.00	0.0	3.741	0.003	0	0	0	36
PL.21716	PD.3111	A	#1/0 ACSR	7.36Y	122.7	0.02	2.32	24.86	11	175	52	96	0.02	0.0	3.772	0.031	1	0	2	36
PL.21417	PL.21716	A	#2 ACSR	7.36Y	122.7	0.00	2.32	0.36	0	3	1	95	0.00	0.0	3.905	0.133	0	0	0	2
PL.21650	PL.21417	A	1/0 AL URD	7.36Y	122.7	0.00	2.32	0.36	0	3	1	95	0.00	0.0	3.910	0.005	0	0	0	2
PD.3081	PL.21650	A	15T	7.36Y	122.7	0.00	2.32	0.36	0	3	1	95	0.00	0.0	3.910	0.005	0	0	0	2

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.21651	PD.3081	A	1/0 AL URD	7.36Y	122.7	0.00	2.32	0.36	0	3	1	95	0.00	0.0	3.965	0.055	3	1	2	2
PL.21416	PL.21716	A	6 A (CWC)	7.35Y	122.6	0.13	2.45	24.32	17	172	51	96	0.16	0.1	3.887	0.115	0	0	0	32
PL.21490	PL.21416	A	6 A (CWC)	7.35Y	122.4	0.12	2.57	24.32	17	171	51	96	0.16	0.1	3.996	0.109	0	0	0	32
PL.21503	PL.21490	A	6 A (CWC)	7.34Y	122.4	0.07	2.65	21.58	15	152	45	96	0.09	0.1	4.072	0.075	0	0	0	30
PL.21599	PL.21503	A	6 A (CWC)	7.34Y	122.3	0.04	2.69	16.84	12	119	35	96	0.04	0.0	4.129	0.058	8	2	1	24
PL.21600	PL.21599	A	6 A (CWC)	7.33Y	122.2	0.10	2.79	15.76	11	111	33	96	0.08	0.1	4.262	0.133	0	0	0	23
PL.21501	PL.21600	A	6 A (CWC)	7.33Y	122.2	0.01	2.80	2.59	2	18	6	95	0.00	0.0	4.339	0.077	1	0	1	5
PL.21423	PL.21501	A	6 A (CWC)	7.33Y	122.2	0.00	2.80	1.56	1	11	3	96	0.00	0.0	4.426	0.087	9	3	1	3
PL.21425	PL.21423	A	#1/0 ACSR	7.33Y	122.2	0.00	2.80	0.28	0	2	1	89	0.00	0.0	4.480	0.053	2	1	2	2
PL.21502	PL.21501	A	6 A (CWC)	7.33Y	122.2	0.01	2.80	0.95	1	7	2	96	0.00	0.0	4.517	0.177	0	0	0	1
PL.21434	PL.21502	A	#4 ACSR	7.33Y	122.2	0.00	2.80	0.95	1	7	2	96	0.00	0.0	4.523	0.007	7	2	1	1
PL.21424	PL.21600	A	6 A (CWC)	7.33Y	122.1	0.13	2.91	13.17	9	93	27	96	0.09	0.1	4.470	0.208	0	0	0	18
PL.21427	PL.21424	A	6 A (CWC)	7.33Y	122.1	0.00	2.91	0.00	0	0	0	100	0.00	0.0	4.562	0.092	0	0	0	0
PL.21426	PL.21424	A	6 A (CWC)	7.32Y	122.1	0.04	2.95	13.17	9	93	27	96	0.03	0.0	4.530	0.060	0	0	0	18
PL.21499	PL.21426	A	6 A (CWC)	7.32Y	122.0	0.03	2.97	5.78	4	41	11	97	0.01	0.0	4.629	0.098	1	0	1	8
PL.21430	PL.21499	A	#4 ACSR	7.32Y	122.0	0.00	2.98	0.90	1	6	2	95	0.00	0.0	4.712	0.083	6	2	2	2
PL.21500	PL.21499	A	6 A (CWC)	7.32Y	122.0	0.02	2.99	4.81	3	34	9	97	0.00	0.0	4.717	0.088	0	0	0	5
PL.21479	PL.21500	A	6 A (CWC)	7.32Y	122.0	0.00	3.00	1.87	1	13	4	96	0.00	0.0	4.802	0.084	13	4	1	1
PL.21431	PL.21500	A	#2 ACSR	7.32Y	122.0	0.01	3.00	2.93	2	21	5	97	0.00	0.0	4.860	0.142	8	2	1	4
PL.21672	PL.21431	A	1/0 AL URD	7.32Y	122.0	0.00	3.01	1.86	1	13	3	97	0.00	0.0	4.864	0.005	0	0	0	3
PD.3091	PL.21672	A	15T	7.32Y	122.0	0.00	3.01	1.86	0	13	3	97	0.00	0.0	4.864	0.005	0	0	0	3
PL.21673	PD.3091	A	1/0 AL URD	7.32Y	122.0	0.00	3.01	1.86	1	13	3	97	0.00	0.0	4.954	0.090	8	3	2	3
PL.21616	PL.21673	A	1/0 AL URD	7.32Y	122.0	0.00	3.01	0.69	0	5	1	98	0.00	0.0	5.106	0.151	5	2	1	1
PL.21429	PL.21426	A	#2 ACSR	7.32Y	122.1	0.00	2.95	0.88	1	6	2	95	0.00	0.0	4.585	0.055	6	2	1	2
PL.21670	PL.21429	A	1/0 AL URD	7.32Y	122.1	0.00	2.95	0.04	0	0	0	100	0.00	0.0	4.590	0.005	0	0	0	1
PD.3090	PL.21670	A	15T	7.32Y	122.1	0.00	2.95	0.04	0	0	0	100	0.00	0.0	4.590	0.005	0	0	0	1
PL.21671	PD.3090	A	1/0 AL URD	7.32Y	122.1	0.00	2.95	0.04	0	0	0	100	0.00	0.0	4.631	0.041	0	0	1	1
PL.21428	PL.21426	A	#4 ACSR	7.32Y	122.0	0.03	2.97	6.51	5	46	14	96	0.01	0.0	4.624	0.093	6	2	1	8
PL.21601	PL.21428	A	#4 ACSR	7.32Y	122.0	0.02	2.99	5.71	4	40	12	96	0.01	0.0	4.716	0.092	11	3	2	7
PL.21602	PL.21601	A	#4 ACSR	7.32Y	122.0	0.01	3.01	4.09	3	29	9	96	0.00	0.0	4.793	0.078	0	0	0	5
PL.21478	PL.21602	A	#4 ACSR	7.32Y	122.0	0.00	3.01	3.19	2	22	7	95	0.00	0.0	4.819	0.026	6	2	2	4

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Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru

PL.21433	PL.21478	A	#4 ACSR	7.32Y	122.0	0.00	3.02	2.40	2	17	5	96	0.00	0.0	4.847	0.028	0	0	0	2
PL.21435	PL.21433	A	#4 ACSR	7.32Y	122.0	0.01	3.02	1.32	1	9	3	95	0.00	0.0	4.955	0.107	0	0	0	1
PL.21494	PL.21435	A	#4 ACSR	7.32Y	122.0	0.01	3.03	1.32	1	9	3	95	0.00	0.0	5.091	0.136	0	0	0	1
PL.21495	PL.21494	A	#4 ACSR	7.32Y	122.0	0.00	3.03	1.32	1	9	3	95	0.00	0.0	5.192	0.101	9	3	1	1
PL.21438	PL.21433	A	#4 ACSR	7.32Y	122.0	0.00	3.02	1.08	1	8	2	97	0.00	0.0	4.927	0.079	8	2	1	1
PL.21432	PL.21602	A	#4 ACSR	7.32Y	122.0	0.00	3.01	0.90	1	6	2	95	0.00	0.0	4.891	0.097	6	2	1	1
PL.21420	PL.21503	A	6 A (CWC)	7.34Y	122.3	0.01	2.66	4.73	3	33	10	96	0.00	0.0	4.136	0.065	6	2	2	6
PL.21421	PL.21420	A	#2 ACSR	7.34Y	122.3	0.01	2.67	3.93	2	28	8	96	0.00	0.0	4.249	0.112	0	0	0	4
PL.21597	PL.21421	A	#1/0 ACSR	7.34Y	122.3	0.00	2.68	2.28	1	16	5	95	0.00	0.0	4.298	0.049	5	2	1	2
PL.21598	PL.21597	A	#1/0 ACSR	7.34Y	122.3	0.00	2.68	1.54	1	11	3	96	0.00	0.0	4.412	0.114	11	3	1	1
PL.21477	PL.21421	A	#2 ACSR	7.34Y	122.3	0.00	2.68	1.65	1	12	4	95	0.00	0.0	4.302	0.053	4	1	1	2
PL.21422	PL.21477	A	#1/0 ACSR	7.34Y	122.3	0.00	2.68	1.02	0	7	2	96	0.00	0.0	4.322	0.020	7	2	1	1
PL.21418	PL.21490	A	6 A (CWC)	7.34Y	122.4	0.02	2.60	2.74	2	19	6	95	0.00	0.0	4.178	0.182	0	0	0	2
PL.21491	PL.21418	A	6 A (CWC)	7.34Y	122.4	0.01	2.60	2.74	2	19	6	95	0.00	0.0	4.255	0.077	0	0	0	2
PL.21498	PL.21491	A	6 A (CWC)	7.34Y	122.4	0.01	2.62	2.74	2	19	6	95	0.00	0.0	4.369	0.115	0	0	0	2
PL.21492	PL.21498	A	6 A (CWC)	7.34Y	122.4	0.01	2.63	2.74	2	19	6	95	0.00	0.0	4.447	0.077	0	0	0	2
PL.21419	PL.21492	A	#4 ACSR	7.34Y	122.4	0.00	2.63	0.26	0	2	1	89	0.00	0.0	4.573	0.126	0	0	0	1
PL.21493	PL.21419	A	#4 ACSR	7.34Y	122.4	0.00	2.63	0.26	0	2	1	89	0.00	0.0	4.643	0.070	2	1	1	1
PL.21476	PL.21492	A	6 A (CWC)	7.34Y	122.4	0.01	2.63	2.48	2	17	5	96	0.00	0.0	4.545	0.098	17	5	1	1
PL.21411	PL.21410	A	#1/0 ACSR	7.36Y	122.7	0.00	2.30	2.19	1	15	5	95	0.00	0.0	3.772	0.034	15	5	1	1
PL.21666	PL.21409	A	6 A (CWC)	7.36Y	122.7	0.00	2.25	0.34	0	2	1	89	0.00	0.0	3.663	0.005	0	0	0	1
PD.3088	PL.21666	A	20T	7.36Y	122.7	0.00	2.25	0.34	0	2	1	89	0.00	0.0	3.663	0.005	0	0	0	1
PL.21667	PD.3088	A	6 A (CWC)	7.36Y	122.7	0.00	2.25	0.34	0	2	1	89	0.00	0.0	3.747	0.083	2	1	1	1
PL.21668	PL.21473	C	#2 ACSR	7.37Y	122.8	0.00	2.18	0.26	0	2	1	89	0.00	0.0	3.514	0.005	0	0	0	1
PD.3089	PL.21668	C	20T	7.37Y	122.8	0.00	2.18	0.26	0	2	1	89	0.00	0.0	3.514	0.005	0	0	0	1
PL.21669	PD.3089	C	#2 ACSR	7.37Y	122.8	0.00	2.18	0.26	0	2	1	89	0.00	0.0	3.562	0.047	2	1	1	1
PL.21662	PL.21504	A	#4 ACSR	7.37Y	122.9	0.00	2.11	10.65	8	75	23	96	0.00	0.0	3.273	0.005	0	0	0	15
PD.3086	PL.21662	A	20T	7.37Y	122.9	0.00	2.11	10.65	0	75	23	96	0.00	0.0	3.273	0.005	0	0	0	15
PL.21663	PD.3086	A	#4 ACSR	7.37Y	122.9	0.01	2.12	10.65	8	75	23	96	0.01	0.0	3.304	0.031	11	3	1	15
PL.21586	PL.21663	A	#4 ACSR	7.37Y	122.9	0.02	2.14	9.04	7	64	19	96	0.01	0.0	3.365	0.062	6	2	1	14
PL.21585	PL.21586	A	#4 ACSR	7.37Y	122.8	0.03	2.17	8.14	6	57	17	96	0.01	0.0	3.440	0.075	0	0	0	13

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Balanced Voltage Drop Report
Source: Hargett

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.21403	PL.21585	A	#4 ACSR	7.37Y	122.8	0.01	2.18	7.82	6	55	17	96	0.01	0.0	3.477	0.037	0	0	0	12
PL.21471	PL.21403	A	#4 ACSR	7.37Y	122.8	0.00	2.19	1.46	1	10	3	96	0.00	0.0	3.551	0.074	10	3	1	1
PL.21404	PL.21403	A	6 A (CWC)	7.37Y	122.8	0.03	2.22	6.36	5	45	14	95	0.01	0.0	3.601	0.124	6	2	1	11
PL.21405	PL.21404	A	#2 ACSR	7.37Y	122.8	0.00	2.22	0.76	0	5	2	93	0.00	0.0	3.643	0.041	5	2	2	2
PL.21583	PL.21404	A	6 A (CWC)	7.37Y	122.8	0.02	2.24	4.79	3	34	10	96	0.00	0.0	3.706	0.105	15	5	2	8
PL.21584	PL.21583	A	6 A (CWC)	7.37Y	122.8	0.01	2.24	2.69	2	19	6	95	0.00	0.0	3.762	0.056	0	0	0	6
PL.21472	PL.21584	A	6 A (CWC)	7.37Y	122.8	0.00	2.25	1.88	1	13	4	96	0.00	0.0	3.802	0.040	0	0	0	5
PL.21407	PL.21472	A	6 A (CWC)	7.36Y	122.7	0.01	2.26	1.88	1	13	4	96	0.00	0.0	3.924	0.122	4	1	1	5
PL.21611	PL.21407	A	6 A (CWC)	7.36Y	122.7	0.00	2.26	0.87	1	6	2	95	0.00	0.0	4.036	0.112	0	0	1	3
PL.21612	PL.21611	A	6 A (CWC)	7.36Y	122.7	0.01	2.27	0.87	1	6	2	95	0.00	0.0	4.199	0.163	0	0	0	2
PL.21609	PL.21612	A	6 A (CWC)	7.36Y	122.7	0.00	2.27	0.87	1	6	2	95	0.00	0.0	4.247	0.048	0	0	1	2
PL.21610	PL.21609	A	6 A (CWC)	7.36Y	122.7	0.00	2.27	0.83	1	6	2	95	0.00	0.0	4.309	0.062	6	2	1	1
PL.21408	PL.21407	A	#4 ACSR	7.36Y	122.7	0.00	2.26	0.49	0	3	1	95	0.00	0.0	3.975	0.051	3	1	1	1
PL.21406	PL.21584	A	#1/0 ACSR	7.37Y	122.8	0.00	2.25	0.81	0	6	2	95	0.00	0.0	3.895	0.134	6	2	1	1
PL.21470	PL.21585	A	#4 ACSR	7.37Y	122.8	0.00	2.17	0.32	0	2	1	89	0.00	0.0	3.526	0.086	2	1	1	1
PL.21654	PL.21653	A	#1/0 ACSR	7.38Y	123.0	0.00	2.05	2.01	1	14	4	96	0.00	0.0	3.144	0.005	0	0	0	2
PD.3082	PL.21654	A	20T	7.38Y	123.0	0.00	2.05	2.01	0	14	4	96	0.00	0.0	3.144	0.005	0	0	0	2
PL.21655	PD.3082	A	#1/0 ACSR	7.38Y	123.0	0.00	2.05	2.01	1	14	4	96	0.00	0.0	3.159	0.015	0	0	1	2
PL.21577	PL.21655	A	#1/0 ACSR	7.38Y	123.0	0.00	2.05	2.01	1	14	4	96	0.00	0.0	3.203	0.044	14	4	1	1
PL.21660	PL.21505	C	#2 ACSR	7.38Y	123.0	0.00	2.01	0.00	0	0	0	100	0.00	0.0	3.065	0.005	0	0	0	1
PD.3085	PL.21660	C	20T	7.38Y	123.0	0.00	2.01	0.00	0	0	0	100	0.00	0.0	3.065	0.005	0	0	0	1
PL.21661	PD.3085	C	#2 ACSR	7.38Y	123.0	0.00	2.01	0.00	0	0	0	100	0.00	0.0	3.111	0.046	0	0	1	1
PL.21658	PL.21578	C	6 A (CWC)	7.38Y	123.0	0.00	1.98	9.44	7	67	20	96	0.00	0.0	3.004	0.005	0	0	0	16
PD.3084	PL.21658	C	20T	7.38Y	123.0	0.00	1.98	9.44	0	67	20	96	0.00	0.0	3.004	0.005	0	0	0	16
PL.21659	PD.3084	C	6 A (CWC)	7.38Y	123.0	0.02	2.00	9.44	7	67	20	96	0.01	0.0	3.042	0.038	1	0	1	16
PL.21582	PL.21659	C	6 A (CWC)	7.38Y	123.0	0.02	2.02	9.31	7	66	20	96	0.01	0.0	3.097	0.055	5	1	1	15
PL.21581	PL.21582	C	6 A (CWC)	7.38Y	123.0	0.02	2.05	8.64	6	61	19	95	0.01	0.0	3.156	0.059	0	0	2	14
PL.21400	PL.21581	C	#2 ACSR	7.38Y	122.9	0.02	2.06	8.64	5	61	19	95	0.01	0.0	3.219	0.063	0	0	0	12
PL.21399	PL.21400	C	#1/0 ACSR	7.38Y	122.9	0.00	2.06	1.09	0	8	2	97	0.00	0.0	3.304	0.085	8	2	1	1
PL.21468	PL.21400	C	#2 ACSR	7.38Y	122.9	0.01	2.08	7.55	4	53	16	96	0.01	0.0	3.281	0.062	0	0	0	11
PL.21589	PL.21468	C	#2 ACSR	7.37Y	122.9	0.01	2.09	7.55	4	53	16	96	0.01	0.0	3.350	0.070	12	4	2	11

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Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru

PL.21590	PL.21589	C	#2 ACSR	7.37Y	122.9	0.01	2.11	5.83	3	41	13	95	0.00	0.0	3.430	0.080	0	0	0	9
PL.21401	PL.21590	C	#1/0 ACSR	7.37Y	122.9	0.00	2.11	1.06	0	7	2	96	0.00	0.0	3.479	0.049	7	2	2	2
PL.21469	PL.21590	C	#2 ACSR	7.37Y	122.9	0.02	2.12	4.77	3	34	10	96	0.00	0.0	3.531	0.101	0	0	0	7
PL.21592	PL.21469	C	#1/0 ACSR	7.37Y	122.9	0.00	2.12	1.52	1	11	3	96	0.00	0.0	3.566	0.035	0	0	1	3
PL.21593	PL.21592	C	#1/0 ACSR	7.37Y	122.9	0.00	2.13	1.51	1	11	3	96	0.00	0.0	3.683	0.117	0	0	1	2
PL.21591	PL.21593	C	#1/0 ACSR	7.37Y	122.9	0.00	2.13	1.48	1	10	3	96	0.00	0.0	3.730	0.047	10	3	1	1
PL.21402	PL.21469	C	#2 ACSR	7.37Y	122.9	0.00	2.13	1.68	1	12	4	95	0.00	0.0	3.616	0.084	12	4	2	2
PL.21594	PL.21469	C	#2 ACSR	7.37Y	122.9	0.00	2.12	1.57	1	11	3	96	0.00	0.0	3.574	0.043	9	3	1	2
PL.21595	PL.21594	C	#2 ACSR	7.37Y	122.9	0.00	2.12	0.32	0	2	1	89	0.00	0.0	3.588	0.014	2	1	1	1
PL.21701	PL.21466	A	#4 ACSR	7.39Y	123.2	0.00	1.76	1.68	1	12	4	95	0.00	0.0	2.619	0.005	0	0	0	3
PD.3104	PL.21701	A	20T	7.39Y	123.2	0.00	1.76	1.68	0	12	4	95	0.00	0.0	2.619	0.005	0	0	0	3
PL.21702	PD.3104	A	#4 ACSR	7.39Y	123.2	0.00	1.76	1.68	1	12	4	95	0.00	0.0	2.668	0.049	4	1	1	3
PL.21562	PL.21702	A	#2 ACSR	7.39Y	123.2	0.00	1.76	1.10	1	8	2	97	0.00	0.0	2.804	0.136	0	0	1	2
PL.21563	PL.21562	A	#2 ACSR	7.39Y	123.2	0.00	1.77	1.05	1	7	2	96	0.00	0.0	2.924	0.120	0	0	0	1
PL.21487	PL.21563	A	#2 ACSR	7.39Y	123.2	0.00	1.77	1.05	1	7	2	96	0.00	0.0	2.996	0.072	7	2	1	1
PL.21691	PL.21694	C	#2 ACSR	7.41Y	123.4	0.00	1.57	0.10	0	1	0	100	0.00	0.0	2.326	0.005	0	0	0	1
PD.3102	PL.21691	C	20T	7.41Y	123.4	0.00	1.57	0.10	0	1	0	100	0.00	0.0	2.326	0.005	0	0	0	1
PL.21692	PD.3102	C	#2 ACSR	7.41Y	123.4	0.00	1.57	0.10	0	1	0	100	0.00	0.0	2.389	0.063	1	0	1	1
PL.21687	PL.21392	C	#1/0 ACSR	7.41Y	123.5	0.00	1.52	0.09	0	1	0	100	0.00	0.0	2.248	0.005	0	0	0	1
PD.3100	PL.21687	C	20T	7.41Y	123.5	0.00	1.52	0.09	0	1	0	100	0.00	0.0	2.248	0.005	0	0	0	1
PL.21688	PD.3100	C	#1/0 ACSR	7.41Y	123.5	0.00	1.52	0.09	0	1	0	100	0.00	0.0	2.294	0.046	1	0	1	1
PL.21647	PL.21461	A	#1/0 ACSR	7.41Y	123.5	0.00	1.46	0.63	0	5	1	98	0.00	0.0	2.164	0.005	0	0	0	2
PD.3079	PL.21647	A	20T	7.41Y	123.5	0.00	1.46	0.63	0	5	1	98	0.00	0.0	2.164	0.005	0	0	0	2
PL.21646	PD.3079	A	#1/0 ACSR	7.41Y	123.5	0.00	1.47	0.63	0	5	1	98	0.00	0.0	2.208	0.044	5	1	2	2
PL.21640	PL.21457	A	#1/0 ACSR	7.43Y	123.8	0.00	1.24	0.05	0	0	0	100	0.00	0.0	1.856	0.005	0	0	0	1
PD.3076	PL.21640	A	20T	7.43Y	123.8	0.00	1.24	0.05	0	0	0	100	0.00	0.0	1.856	0.005	0	0	0	1
PL.21641	PD.3076	A	#1/0 ACSR	7.43Y	123.8	0.00	1.24	0.05	0	0	0	100	0.00	0.0	1.882	0.026	0	0	0	1
PL.21385	PL.21641	A	#4 ACSR	7.43Y	123.8	0.00	1.24	0.05	0	0	0	100	0.00	0.0	1.932	0.050	0	0	0	1
PL.21386	PL.21385	A	#4 ACSR	7.43Y	123.8	0.00	1.24	0.00	0	0	0	100	0.00	0.0	1.986	0.054	0	0	0	0
PL.21459	PL.21385	A	#4 ACSR	7.43Y	123.8	0.00	1.24	0.05	0	0	0	100	0.00	0.0	2.021	0.089	0	0	1	1
PL.21683	PL.21384	A	#1/0 ACSR	7.43Y	123.8	0.00	1.16	0.00	0	0	0	100	0.00	0.0	1.747	0.005	0	0	0	1

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru

PD.3097	PL.21683	A	20T	7.43Y	123.8	0.00	1.16	0.00	0	0	0	100	0.00	0.0	1.747	0.005	0	0	0	1
PL.21684	PD.3097	A	#1/0 ACSR	7.43Y	123.8	0.00	1.16	0.00	0	0	0	100	0.00	0.0	1.751	0.005	0	0	1	1
PL.21634	PL.21347	A	#1/0 ACSR	7.45Y	124.2	0.00	0.82	0.82	0	6	2	95	0.00	0.0	1.297	0.005	0	0	0	1
PD.3073	PL.21634	A	65T	7.45Y	124.2	0.00	0.82	0.82	0	6	2	95	0.00	0.0	1.297	0.005	0	0	0	1
PL.21635	PD.3073	A	#1/0 ACSR	7.45Y	124.2	0.00	0.82	0.82	0	6	2	95	0.00	0.0	1.313	0.015	6	2	1	1
PL.21625	PL.21340	A	6 A (CWC)	7.47Y	124.6	0.00	0.44	1.93	1	14	4	96	0.00	0.0	0.766	0.005	0	0	0	1
PD.3068	PL.21625	A	65T	7.47Y	124.6	0.00	0.44	1.93	0	14	4	96	0.00	0.0	0.766	0.005	0	0	0	1
PL.21626	PD.3068	A	6 A (CWC)	7.47Y	124.6	0.00	0.45	1.93	1	14	4	96	0.00	0.0	0.828	0.063	14	4	1	1
PL.21678	PL.21340	C	6 A (CWC)	7.47Y	124.6	0.00	0.45	7.90	6	57	15	97	0.00	0.0	0.766	0.005	0	0	0	12
PD.3094	PL.21678	C	65T	7.47Y	124.6	0.00	0.45	7.90	0	57	15	97	0.00	0.0	0.766	0.005	0	0	0	12
PL.21679	PD.3094	C	6 A (CWC)	7.47Y	124.5	0.01	0.45	7.90	6	57	15	97	0.00	0.0	0.784	0.018	0	0	0	12
PL.21447	PL.21679	C	6 A (CWC)	7.47Y	124.5	0.01	0.46	2.76	2	20	6	96	0.00	0.0	0.859	0.074	2	1	1	5
PL.21342	PL.21447	C	#4 ACSR	7.47Y	124.5	0.00	0.47	2.43	2	17	5	96	0.00	0.0	0.904	0.045	0	0	0	4
PL.21538	PL.21342	C	#4 ACSR	7.47Y	124.5	0.00	0.47	1.40	1	10	3	96	0.00	0.0	0.939	0.035	2	1	2	3
PL.21539	PL.21538	C	#4 ACSR	7.47Y	124.5	0.00	0.47	1.07	1	8	2	97	0.00	0.0	0.974	0.036	8	2	1	1
PL.21343	PL.21342	C	#4 ACSR	7.47Y	124.5	0.00	0.47	1.03	1	7	2	96	0.00	0.0	0.992	0.089	7	2	1	1
PL.21341	PL.21679	C	#1/0 ACSR	7.47Y	124.5	0.01	0.46	5.15	2	37	9	97	0.00	0.0	0.870	0.086	0	0	0	7
PL.21680	PL.21341	C	1/0 AL URD	7.47Y	124.5	0.00	0.46	3.99	2	29	7	97	0.00	0.0	0.875	0.005	0	0	0	5
PD.3095	PL.21680	C	65T	7.47Y	124.5	0.00	0.46	3.99	0	29	8	96	0.00	0.0	0.875	0.005	0	0	0	5
PL.21514	PD.3095	C	1/0 AL URD	7.47Y	124.5	0.01	0.47	3.99	2	29	8	96	0.00	0.0	0.970	0.096	6	2	1	5
PL.21614	PL.21514	C	1/0 AL URD	7.47Y	124.5	0.00	0.48	3.11	2	22	6	96	0.00	0.0	1.002	0.032	7	2	1	4
PL.21615	PL.21614	C	1/0 AL URD	7.47Y	124.5	0.00	0.48	2.16	1	16	4	97	0.00	0.0	1.075	0.073	0	0	0	3
PL.21613	PL.21615	C	1/0 AL URD	7.47Y	124.5	0.00	0.48	1.84	1	13	4	96	0.00	0.0	1.105	0.030	13	4	2	2
PL.21519	PL.21613	C	1/0 AL URD	7.47Y	124.5	-0.00	0.48	-0.04	0	0	0	100	0.00	0.0	1.171	0.067	0	0	0	0
PL.21437	PL.21615	C	1/0 AL URD	7.47Y	124.5	0.00	0.48	0.33	0	2	1	89	0.00	0.0	1.089	0.014	2	1	1	1
PL.21627	PL.21341	C	1/0 AL URD	7.47Y	124.5	0.00	0.46	1.16	1	9	2	98	0.00	0.0	0.875	0.005	0	0	0	2
PD.3069	PL.21627	C	65T	7.47Y	124.5	0.00	0.46	1.16	0	9	2	98	0.00	0.0	0.875	0.005	0	0	0	2
PL.21515	PD.3069	C	1/0 AL URD	7.47Y	124.5	0.00	0.47	1.16	1	9	2	98	0.00	0.0	0.945	0.071	0	0	0	2
PL.21516	PL.21515	C	1/0 AL URD	7.47Y	124.5	-0.00	0.47	-0.06	0	0	0	100	0.00	0.0	1.049	0.104	0	0	0	0
PL.21436	PL.21515	C	1/0 AL URD	7.47Y	124.5	0.00	0.47	1.18	1	9	2	98	0.00	0.0	0.988	0.042	9	3	2	2
PL.21623	PL.21444	A	#4 ACSR	7.48Y	124.7	0.00	0.32	1.07	1	8	2	97	0.00	0.0	0.587	0.005	0	0	0	1

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.3067	PL.21623	A	65T	7.48Y	124.7	0.00	0.32	1.07	0	8	2	97	0.00	0.0	0.587	0.005	0	0	0	1
PL.21624	PD.3067	A	#4 ACSR	7.48Y	124.7	0.00	0.32	1.07	1	8	2	97	0.00	0.0	0.666	0.079	8	2	1	1
PL.21335	PL.21334	B	#2 ACSR	7.49Y	124.9	0.00	0.11	1.32	1	9	3	95	0.00	0.0	0.352	0.051	9	3	1	1
PL.21619	PL.21334	C	#4 ACSR	7.49Y	124.9	0.00	0.11	1.53	1	11	3	96	0.00	0.0	0.305	0.005	0	0	0	3
PD.3065	PL.21619	C	65T	7.49Y	124.9	0.00	0.11	1.53	0	11	3	96	0.00	0.0	0.305	0.005	0	0	0	3
PL.21620	PD.3065	C	#4 ACSR	7.49Y	124.9	0.00	0.11	1.53	1	11	3	96	0.00	0.0	0.334	0.029	0	0	0	3
PL.21535	PL.21620	C	#4 ACSR	7.49Y	124.9	0.00	0.11	1.53	1	11	3	96	0.00	0.0	0.399	0.065	11	3	3	3
PL.21521	PL.21439	B	#2 ACSR	7.50Y	125.0	0.01	0.03	13.52	8	97	29	96	0.01	0.0	0.125	0.024	9	3	2	20
PL.21707	PL.21521	B	#2 ACSR	7.50Y	125.0	0.00	0.03	12.32	7	89	26	96	0.00	0.0	0.128	0.003	0	0	0	18
PD.3107	PL.21707	B	35L	7.50Y	125.0	0.00	0.03	12.32	35	89	26	96	0.00	0.0	0.128	0.003	0	0	0	18
PL.21708	PD.3107	B	#2 ACSR	7.50Y	125.0	0.02	0.05	12.32	7	89	26	96	0.01	0.0	0.184	0.057	8	3	1	18
PL.21333	PL.21708	B	#4 ACSR	7.50Y	125.0	0.00	0.05	0.74	1	5	2	93	0.00	0.0	0.218	0.034	5	2	1	1
PL.21329	PL.21708	B	6 A (CWC)	7.50Y	124.9	0.01	0.06	10.44	7	75	22	96	0.01	0.0	0.208	0.024	0	0	0	16
PL.21332	PL.21329	B	#2 ACSR	7.50Y	124.9	0.00	0.06	1.32	1	10	2	98	0.00	0.0	0.278	0.070	0	0	0	1
PL.21674	PL.21332	B	1/0 AL URD	7.50Y	124.9	0.00	0.06	1.32	1	10	2	98	0.00	0.0	0.283	0.005	0	0	0	1
PD.3092	PL.21674	B	65T	7.50Y	124.9	0.00	0.06	1.32	0	10	2	98	0.00	0.0	0.283	0.005	0	0	0	1
PL.21675	PD.3092	B	1/0 AL URD	7.50Y	124.9	0.00	0.07	1.32	1	10	2	98	0.00	0.0	0.445	0.162	10	3	1	1
PL.21441	PL.21329	B	6 A (CWC)	7.49Y	124.9	0.04	0.09	9.12	7	65	20	96	0.02	0.0	0.294	0.086	0	0	0	15
PL.21328	PL.21441	B	6 A (CWC)	7.49Y	124.9	0.03	0.13	8.33	6	60	18	96	0.01	0.0	0.388	0.094	9	3	1	12
PL.21324	PL.21328	B	#4 ACSR	7.49Y	124.9	0.01	0.14	7.11	5	51	16	95	0.00	0.0	0.418	0.030	0	0	0	11
PL.21442	PL.21324	B	#4 ACSR	7.49Y	124.9	0.01	0.15	7.11	5	51	16	95	0.00	0.0	0.452	0.034	0	0	0	11
PL.21326	PL.21442	B	#4 ACSR	7.49Y	124.9	0.00	0.15	0.45	0	3	1	95	0.00	0.0	0.534	0.082	3	1	1	1
PL.21606	PL.21442	B	#4 ACSR	7.49Y	124.8	0.02	0.17	6.66	5	48	15	95	0.01	0.0	0.510	0.058	0	0	2	10
PL.21607	PL.21606	B	#4 ACSR	7.49Y	124.8	0.02	0.19	6.62	5	47	14	96	0.01	0.0	0.586	0.076	6	2	2	8
PL.21605	PL.21607	B	#4 ACSR	7.49Y	124.8	0.02	0.20	5.72	4	41	12	96	0.01	0.0	0.653	0.068	0	0	0	6
PL.21323	PL.21605	B	#4 ACSR	7.49Y	124.8	0.01	0.22	4.80	4	34	10	96	0.00	0.0	0.710	0.056	0	0	0	5
PL.21322	PL.21323	B	#4 ACSR	7.49Y	124.8	0.02	0.24	4.46	3	32	10	95	0.00	0.0	0.848	0.139	19	6	1	4
PL.21321	PL.21322	B	#4 ACSR	7.49Y	124.8	0.01	0.24	1.77	1	13	4	96	0.00	0.0	0.931	0.082	0	0	1	3
PL.21320	PL.21321	B	#4 ACSR	7.49Y	124.8	0.00	0.24	1.15	1	8	3	94	0.00	0.0	1.019	0.089	8	3	1	1
PL.21603	PL.21321	B	#4 ACSR	7.49Y	124.8	0.00	0.24	0.60	0	4	1	97	0.00	0.0	1.003	0.073	4	1	1	1
PL.21604	PL.21603	B	#4 ACSR	7.49Y	124.8	0.00	0.24	0.00	0	0	0	100	0.00	0.0	1.090	0.087	0	0	0	0

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Balanced Voltage Drop Report
Source: Hargett

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.21443	PL.21323	B	#4 ACSR	7.49Y	124.8	0.00	0.22	0.33	0	2	1	89	0.00	0.0	0.766	0.057	2	1	1	1
PL.21325	PL.21605	B	#4 ACSR	7.49Y	124.8	0.00	0.21	0.93	1	7	2	96	0.00	0.0	0.737	0.084	7	2	1	1
PL.21327	PL.21324	B	#4 ACSR	7.49Y	124.9	0.00	0.14	0.00	0	0	0	100	0.00	0.0	0.468	0.049	0	0	0	0
PL.21330	PL.21441	B	#4 ACSR	7.49Y	124.9	0.00	0.10	0.79	1	6	2	95	0.00	0.0	0.350	0.056	6	2	2	2
PL.21331	PL.21441	B	6 A (CWC)	7.49Y	124.9	0.00	0.09	0.01	0	0	0	100	0.00	0.0	0.348	0.054	0	0	1	1
PL.21524	Hargett	ABC	636 SPACER	7.50Y	125.0	0.00	0.00	76.60	14	1636	543	95	0.00	0.0	0.006	0.006	0	0	0	369
PL.72939	PL.21524	ABC	636 SPACER	7.50Y	125.0	0.00	0.00	76.60	14	1636	543	95	0.00	0.0	0.009	0.003	0	0	0	369
----- Feeder No. 3 (Lower Bend F3) Beginning with Device PD.11207 -----																				
PD.11207	PL.72939	ABC	360VWE	7.50Y	125.0	0.00	0.00	76.60	0	1636	543	95	0.00	0.0	0.009	0.003	0	0	0	369
PL.21525	PD.11207	ABC	636 SPACER	7.50Y	125.0	0.00	0.00	76.60	14	1636	543	95	0.00	0.0	0.017	0.009	0	0	0	369
PL.21780	PL.21525	ABC	#2 ACSR	7.50Y	125.0	0.00	0.00	0.00	0	0	0	100	0.00	0.0	0.022	0.005	0	0	0	0
PL.22496	PL.21525	ABC	636 SPACER	7.50Y	125.0	0.01	0.02	76.60	14	1636	543	95	0.03	0.0	0.066	0.049	0	0	0	369
PL.22535	PL.22496	ABC	636 SPACER	7.50Y	125.0	0.02	0.04	76.60	14	1636	542	95	0.04	0.0	0.136	0.070	0	0	0	369
PL.22536	PL.22535	ABC	636 SPACER	7.50Y	124.9	0.03	0.07	76.60	14	1636	542	95	0.06	0.0	0.237	0.101	0	0	0	369
PL.22537	PL.22536	ABC	636 SPACER	7.49Y	124.9	0.02	0.09	76.60	14	1636	541	95	0.04	0.0	0.307	0.070	0	0	0	369
PL.22538	PL.22537	ABC	636 SPACER	7.49Y	124.9	0.03	0.11	76.60	14	1636	540	95	0.06	0.0	0.408	0.101	0	0	0	369
PL.22539	PL.22538	ABC	636 SPACER	7.49Y	124.9	0.03	0.15	76.60	14	1635	539	95	0.06	0.0	0.523	0.114	0	0	0	369
PL.22540	PL.22539	ABC	636 SPACER	7.49Y	124.8	0.04	0.18	76.60	14	1635	538	95	0.07	0.0	0.655	0.132	0	0	0	369
PL.22541	PL.22540	ABC	636 SPACER	7.49Y	124.8	0.04	0.23	76.60	14	1635	536	95	0.09	0.0	0.808	0.153	0	0	0	369
PL.22542	PL.22541	ABC	636 SPACER	7.48Y	124.7	0.03	0.25	76.60	14	1635	535	95	0.06	0.0	0.907	0.098	0	0	0	369
PL.22543	PL.22542	ABC	636 SPACER	7.48Y	124.7	0.03	0.29	76.60	14	1635	534	95	0.07	0.0	1.027	0.120	0	0	0	369
PL.22544	PL.22543	ABC	636 SPACER	7.48Y	124.7	0.04	0.32	76.60	14	1635	532	95	0.08	0.0	1.161	0.134	0	0	0	369
PL.22545	PL.22544	ABC	636 SPACER	7.48Y	124.7	0.02	0.35	76.60	14	1635	531	95	0.05	0.0	1.242	0.081	0	0	0	369
PL.21781	PL.22545	ABC	556 MCM AC	7.48Y	124.6	0.04	0.38	76.60	11	1635	530	95	0.07	0.0	1.368	0.126	0	0	0	369
PL.22546	PL.21781	ABC	556 MCM AC	7.48Y	124.6	0.03	0.41	76.60	11	1635	529	95	0.06	0.0	1.481	0.112	0	0	0	369
PL.22744	PL.22546	C	6 A (CWC)	7.48Y	124.6	0.00	0.41	0.17	0	1	0	100	0.00	0.0	1.486	0.005	0	0	0	1
PD.3205	PL.22744	C	65T	7.48Y	124.6	0.00	0.41	0.17	0	1	0	100	0.00	0.0	1.486	0.005	0	0	0	1
PL.22745	PD.3205	C	6 A (CWC)	7.48Y	124.6	0.00	0.41	0.17	0	1	0	100	0.00	0.0	1.627	0.141	1	0	1	1
PL.22497	PL.22546	ABC	556 MCM AC	7.47Y	124.6	0.02	0.43	76.55	11	1634	527	95	0.03	0.0	1.539	0.058	0	0	0	368

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Balanced Voltage Drop Report
Source: Hargett

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.22498	PL.22497	ABC	556 MCM AC	7.47Y	124.5	0.04	0.47	74.04	10	1580	510	95	0.07	0.0	1.675	0.136	0	0	0	354
PL.22547	PL.22498	ABC	556 MCM AC	7.47Y	124.5	0.04	0.51	74.04	10	1580	509	95	0.08	0.0	1.827	0.151	0	0	0	354
PL.22548	PL.22547	ABC	556 MCM AC	7.47Y	124.5	0.03	0.54	74.04	10	1580	507	95	0.06	0.0	1.945	0.118	0	0	0	354
PL.22549	PL.22548	ABC	556 MCM AC	7.47Y	124.4	0.03	0.57	74.04	10	1580	506	95	0.05	0.0	2.052	0.107	0	0	0	354
PL.22752	PL.22549	A	6 A (CWC)	7.47Y	124.4	0.00	0.57	1.26	1	9	3	95	0.00	0.0	2.057	0.005	0	0	0	4
PD.3209	PL.22752	A	65T	7.47Y	124.4	0.00	0.57	1.26	0	9	3	95	0.00	0.0	2.057	0.005	0	0	0	4
PL.22753	PD.3209	A	6 A (CWC)	7.47Y	124.4	0.01	0.57	1.26	1	9	3	95	0.00	0.0	2.161	0.105	0	0	0	4
PL.22571	PL.22753	A	6 A (CWC)	7.47Y	124.4	0.01	0.58	1.26	1	9	3	95	0.00	0.0	2.268	0.107	3	1	2	4
PL.21784	PL.22571	A	#2 ACSR	7.47Y	124.4	0.00	0.58	0.50	0	4	1	97	0.00	0.0	2.300	0.031	4	1	1	1
PL.22572	PL.22571	A	6 A (CWC)	7.47Y	124.4	0.00	0.58	0.31	0	2	1	89	0.00	0.0	2.404	0.135	0	0	0	1
PL.22499	PL.22572	A	6 A (CWC)	7.47Y	124.4	0.00	0.58	0.00	0	0	0	100	0.00	0.0	2.458	0.055	0	0	0	0
PL.22608	PL.22572	A	#4 ACSR	7.47Y	124.4	0.00	0.58	0.31	0	2	1	89	0.00	0.0	2.453	0.050	2	1	1	1
PL.22609	PL.22608	A	#4 ACSR	7.47Y	124.4	0.00	0.58	0.00	0	0	0	100	0.00	0.0	2.550	0.096	0	0	0	0
PL.22816	PL.22549	ABC	556 MCM AC	7.46Y	124.4	0.02	0.58	73.62	10	1571	502	95	0.03	0.0	2.115	0.063	0	0	0	350
PD.3241-A	PL.22816	ABC	Closed	7.46Y	124.4	0.00	0.58	73.62	0	1571	501	95	0.00	0.0	2.115	0.063	0	0	0	350
PD.3241-B	PD.3241-A	ABC	Closed	7.46Y	124.4	0.00	0.58	73.62	0	1571	501	95	0.00	0.0	2.115	0.063	0	0	0	350
PL.22817	PD.3241-B	ABC	556 MCM AC	7.46Y	124.4	0.01	0.59	73.62	10	1571	501	95	0.02	0.0	2.153	0.038	0	0	0	350
PL.22610	PL.22817	ABC	556 MCM AC	7.46Y	124.4	0.04	0.63	73.62	10	1571	501	95	0.07	0.0	2.295	0.142	0	0	0	350
PL.22550	PL.22610	ABC	556 MCM AC	7.46Y	124.3	0.04	0.67	73.62	10	1571	500	95	0.08	0.0	2.447	0.152	0	0	0	350
PL.22551	PL.22550	ABC	556 MCM AC	7.46Y	124.3	0.04	0.71	73.62	10	1570	498	95	0.07	0.0	2.591	0.144	0	0	0	350
PL.22820	PL.22551	ABC	556 MCM AC	7.46Y	124.3	0.04	0.75	73.62	10	1570	497	95	0.07	0.0	2.739	0.148	0	0	0	350
PD.3243-A	PL.22820	ABC	Closed	7.46Y	124.3	0.00	0.75	73.62	0	1570	495	95	0.00	0.0	2.739	0.148	0	0	0	350
PD.3243-B	PD.3243-A	ABC	Closed	7.46Y	124.3	0.00	0.75	73.62	0	1570	495	95	0.00	0.0	2.739	0.148	0	0	0	350
PL.22821	PD.3243-B	ABC	556 MCM AC	7.45Y	124.2	0.01	0.76	73.62	10	1570	495	95	0.02	0.0	2.784	0.045	0	0	0	350
PL.21785	PL.22821	A	#4 ACSR	7.45Y	124.2	0.01	0.77	4.38	3	31	9	96	0.00	0.0	2.835	0.052	0	0	0	8
PL.22754	PL.21785	A	6 A (CWC)	7.45Y	124.2	0.00	0.77	3.15	2	22	7	95	0.00	0.0	2.840	0.005	0	0	0	7
PD.3210	PL.22754	A	20T	7.45Y	124.2	0.00	0.77	3.15	0	22	7	95	0.00	0.0	2.840	0.005	0	0	0	7
PL.22755	PD.3210	A	6 A (CWC)	7.45Y	124.2	0.01	0.79	3.15	2	22	7	95	0.00	0.0	2.943	0.103	3	1	1	7
PL.22617	PL.22755	A	6 A (CWC)	7.45Y	124.2	0.00	0.79	2.70	2	19	6	95	0.00	0.0	2.991	0.047	7	2	1	6
PL.22616	PL.22617	A	6 A (CWC)	7.45Y	124.2	0.00	0.79	1.78	1	13	4	96	0.00	0.0	3.024	0.033	0	0	0	5
PL.22615	PL.22616	A	6 A (CWC)	7.45Y	124.2	0.00	0.80	1.78	1	13	4	96	0.00	0.0	3.080	0.056	0	0	0	5

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.21791	PL.22615	A	#2 ACSR	7.45Y	124.2	0.00	0.80	1.73	1	12	4	95	0.00	0.0	3.182	0.102	12	4	3	3
PL.22736	PL.22615	A	6 A (CWC)	7.45Y	124.2	0.00	0.80	0.05	0	0	0	100	0.00	0.0	3.177	0.097	0	0	0	2
PL.22737	PL.22736	A	6 A (CWC)	7.45Y	124.2	0.00	0.80	0.05	0	0	0	100	0.00	0.0	3.339	0.162	0	0	2	2
PL.21787	PL.21785	A	#2 ACSR	7.45Y	124.2	0.00	0.77	1.23	1	9	3	95	0.00	0.0	2.844	0.009	9	3	1	1
PL.22500	PL.22821	ABC	556 MCM AC	7.45Y	124.2	0.04	0.80	72.16	10	1539	485	95	0.07	0.0	2.934	0.150	0	0	0	342
PL.22552	PL.22500	ABC	556 MCM AC	7.45Y	124.2	0.01	0.81	72.16	10	1539	484	95	0.03	0.0	2.989	0.055	0	0	0	342
PL.22756	PL.22552	C	#4 ACSR	7.45Y	124.2	0.00	0.81	6.96	5	50	15	96	0.00	0.0	2.994	0.005	0	0	0	11
PD.3211	PL.22756	C	65T	7.45Y	124.2	0.00	0.81	6.96	0	50	15	96	0.00	0.0	2.994	0.005	0	0	0	11
PL.22757	PD.3211	C	#4 ACSR	7.45Y	124.2	0.03	0.84	6.96	5	50	15	96	0.01	0.0	3.081	0.087	0	0	0	11
PL.21786	PL.22757	C	#4 ACSR	7.45Y	124.1	0.01	0.86	2.25	2	16	5	95	0.00	0.0	3.228	0.147	0	0	0	2
PL.22655	PL.21786	C	#4 ACSR	7.45Y	124.1	0.01	0.87	2.25	2	16	5	95	0.00	0.0	3.364	0.137	10	3	1	2
PL.22656	PL.22655	C	#4 ACSR	7.45Y	124.1	0.00	0.87	0.82	1	6	2	95	0.00	0.0	3.436	0.072	0	0	0	1
PL.22553	PL.22656	C	#4 ACSR	7.45Y	124.1	0.00	0.87	0.82	1	6	2	95	0.00	0.0	3.573	0.136	6	2	1	1
PL.22502	PL.22757	C	#4 ACSR	7.45Y	124.1	0.01	0.85	1.82	1	13	4	96	0.00	0.0	3.216	0.136	3	1	1	5
PL.21793	PL.22502	C	#4 ACSR	7.45Y	124.1	0.00	0.85	0.87	1	6	2	95	0.00	0.0	3.241	0.025	0	0	0	3
PL.22622	PL.21793	C	6 A (CWC)	7.45Y	124.1	0.00	0.85	0.87	1	6	2	95	0.00	0.0	3.293	0.052	6	2	1	3
PL.22623	PL.22622	C	6 A (CWC)	7.45Y	124.1	0.00	0.85	0.03	0	0	0	100	0.00	0.0	3.390	0.097	0	0	2	2
PL.21794	PL.22502	C	#2 ACSR	7.45Y	124.1	0.00	0.85	0.51	0	4	1	97	0.00	0.0	3.249	0.033	4	1	1	1
PL.22620	PL.22757	C	#4 ACSR	7.45Y	124.2	0.01	0.85	2.88	2	21	6	96	0.00	0.0	3.149	0.069	11	3	1	4
PL.22621	PL.22620	C	#4 ACSR	7.45Y	124.1	0.00	0.85	1.33	1	9	3	95	0.00	0.0	3.183	0.034	0	0	0	3
PL.22503	PL.22621	C	#4 ACSR	7.45Y	124.1	0.00	0.85	0.53	0	4	1	97	0.00	0.0	3.240	0.056	0	0	0	2
PL.22618	PL.22503	C	#2 ACSR	7.45Y	124.1	0.00	0.85	0.53	0	4	1	97	0.00	0.0	3.262	0.022	3	1	1	2
PL.22619	PL.22618	C	#2 ACSR	7.45Y	124.1	0.00	0.85	0.04	0	0	0	100	0.00	0.0	3.309	0.048	0	0	1	1
PL.21792	PL.22621	C	#2 ACSR	7.45Y	124.1	0.00	0.85	0.80	0	6	2	95	0.00	0.0	3.297	0.113	6	2	1	1
PL.22501	PL.22552	ABC	556 MCM AC	7.45Y	124.2	0.04	0.85	69.84	10	1489	468	95	0.06	0.0	3.130	0.141	0	0	0	331
PL.22554	PL.22501	ABC	556 MCM AC	7.45Y	124.1	0.04	0.89	69.84	10	1489	467	95	0.07	0.0	3.284	0.154	0	0	0	331
PL.22653	PL.22554	ABC	556 MCM AC	7.45Y	124.1	0.03	0.91	69.84	10	1489	466	95	0.05	0.0	3.385	0.101	0	0	0	331
PL.22654	PL.22653	ABC	556 MCM AC	7.44Y	124.0	0.04	0.95	69.84	10	1489	465	95	0.07	0.0	3.545	0.159	0	0	0	331
PL.22555	PL.22654	ABC	556 MCM AC	7.44Y	124.0	0.03	0.98	69.84	10	1489	463	95	0.05	0.0	3.651	0.107	0	0	0	331
PL.22658	PL.22555	ABC	#3/0 ACSR	7.44Y	124.0	0.04	1.02	32.11	11	685	211	96	0.18	0.0	3.759	0.108	8	2	2	137
PL.22660	PL.22658	ABC	#3/0 ACSR	7.44Y	123.9	0.03	1.05	31.74	11	677	208	96	0.12	0.0	3.829	0.070	3	1	1	135

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Balanced Voltage Drop Report
Source: Hargett

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.22661	PL.22660	ABC	#3/0 ACSR	7.44Y	123.9	0.03	1.08	31.62	11	674	207	96	0.12	0.0	3.899	0.069	0	0	1	134
PL.22662	PL.22661	B	6 A (CWC)	7.44Y	123.9	0.00	1.08	0.49	0	3	1	95	0.00	0.0	3.928	0.029	3	1	1	1
PL.22804	PL.22662	B	6 A (CWC)	7.44Y	123.9	0.00	1.08	0.00	0	0	0	100	0.00	0.0	3.933	0.005	0	0	0	0
PD.3235	PL.22804	B	65T	7.44Y	123.9	0.00	1.08	0.00	0	0	0	100	0.00	0.0	3.933	0.005	0	0	0	0
PL.22805	PD.3235	B	6 A (CWC)	7.44Y	123.9	0.00	1.08	0.00	0	0	0	100	0.00	0.0	3.972	0.039	0	0	0	0
PL.22663	PL.22661	ABC	#3/0 ACSR	7.43Y	123.9	0.04	1.12	31.46	10	671	206	96	0.17	0.0	4.004	0.105	0	0	1	132
PL.22675	PL.22663	ABC	#3/0 ACSR	7.43Y	123.8	0.04	1.16	31.46	10	671	206	96	0.16	0.0	4.100	0.096	5	2	1	131
PL.22676	PL.22675	ABC	#3/0 ACSR	7.43Y	123.8	0.02	1.18	31.22	10	665	204	96	0.08	0.0	4.149	0.050	0	0	0	130
PL.22530	PL.22676	ABC	#3/0 ACSR	7.43Y	123.8	0.07	1.25	30.58	10	651	200	96	0.27	0.0	4.320	0.171	0	0	0	125
PL.22673	PL.22530	ABC	#3/0 ACSR	7.42Y	123.7	0.02	1.27	30.58	10	651	200	96	0.08	0.0	4.371	0.051	1	0	1	125
PL.22674	PL.22673	ABC	#3/0 ACSR	7.42Y	123.7	0.04	1.30	30.51	10	650	199	96	0.14	0.0	4.462	0.091	0	0	1	124
PL.22768	PL.22674	ABC	#3/0 ACSR	7.42Y	123.7	0.03	1.33	30.51	10	649	199	96	0.11	0.0	4.531	0.069	0	0	0	123
PL.22769	PL.22768	ABC	#3/0 ACSR	7.42Y	123.7	0.00	1.33	30.51	10	649	199	96	0.01	0.0	4.536	0.004	0	0	0	123
PL.22678	PL.22769	ABC	#3/0 ACSR	7.42Y	123.7	0.00	1.33	29.89	10	636	195	96	0.00	0.0	4.538	0.002	6	2	3	122
PL.22679	PL.22678	ABC	#3/0 ACSR	7.42Y	123.6	0.04	1.37	29.59	10	630	193	96	0.14	0.0	4.632	0.094	5	2	1	119
PL.22672	PL.22679	ABC	#3/0 ACSR	7.41Y	123.6	0.07	1.44	29.33	10	624	191	96	0.27	0.0	4.818	0.186	1	0	1	118
PL.22762	PL.22672	A	#2 ACSR	7.41Y	123.6	0.00	1.44	0.42	0	3	1	95	0.00	0.0	4.823	0.005	0	0	0	1
PD.3214	PL.22762	A	65T	7.41Y	123.6	0.00	1.44	0.42	0	3	1	95	0.00	0.0	4.823	0.005	0	0	0	1
PL.22763	PD.3214	A	#2 ACSR	7.41Y	123.6	0.00	1.44	0.42	0	3	1	95	0.00	0.0	4.869	0.047	3	1	1	1
PL.22588	PL.22672	ABC	#3/0 ACSR	7.41Y	123.5	0.02	1.46	29.13	10	620	189	96	0.09	0.0	4.881	0.063	2	1	2	116
PL.22589	PL.22588	ABC	#3/0 ACSR	7.41Y	123.5	0.01	1.47	26.85	9	571	174	96	0.04	0.0	4.911	0.030	13	4	2	105
PL.22826	PL.22589	C	6 A (CWC)	7.41Y	123.5	0.00	1.47	18.83	13	134	41	96	0.00	0.0	4.913	0.003	0	0	0	25
PD.3247	PL.22826	C	35L	7.41Y	123.5	0.00	1.47	18.83	54	134	41	96	0.00	0.0	4.913	0.003	0	0	0	25
PL.22827	PD.3247	C	6 A (CWC)	7.41Y	123.5	0.04	1.52	18.83	13	134	41	96	0.04	0.0	4.962	0.049	14	4	2	25
PL.22669	PL.22827	C	6 A (CWC)	7.41Y	123.4	0.05	1.57	16.80	12	119	36	96	0.04	0.0	5.029	0.066	4	1	1	23
PL.22668	PL.22669	C	6 A (CWC)	7.41Y	123.4	0.01	1.57	16.20	12	115	35	96	0.01	0.0	5.038	0.010	2	1	1	22
PL.22691	PL.22668	C	6 A (CWC)	7.41Y	123.4	0.01	1.58	15.91	11	113	34	96	0.01	0.0	5.052	0.014	11	3	1	21
PL.22692	PL.22691	C	6 A (CWC)	7.40Y	123.4	0.04	1.62	14.41	10	102	31	96	0.03	0.0	5.110	0.058	1	0	1	20
PL.22641	PL.22692	C	6 A (CWC)	7.40Y	123.3	0.05	1.67	14.31	10	101	31	96	0.03	0.0	5.180	0.070	0	0	0	19
PL.22645	PL.22641	C	6 A (CWC)	7.40Y	123.3	0.03	1.70	8.72	6	62	19	96	0.01	0.0	5.258	0.078	7	2	2	10
PL.22646	PL.22645	C	6 A (CWC)	7.40Y	123.3	0.05	1.74	7.79	6	55	17	96	0.02	0.0	5.392	0.134	0	0	0	8

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.22557	PL.22646	C	6 A (CWC)	7.39Y	123.2	0.04	1.79	7.79	6	55	17	96	0.02	0.0	5.511	0.119	0	0	0	8
PL.22643	PL.22557	C	6 A (CWC)	7.39Y	123.2	0.02	1.81	7.79	6	55	17	96	0.01	0.0	5.577	0.066	9	3	3	8
PL.22644	PL.22643	C	6 A (CWC)	7.39Y	123.2	0.01	1.82	6.49	5	46	14	96	0.00	0.0	5.624	0.047	7	2	1	5
PL.22642	PL.22644	C	6 A (CWC)	7.39Y	123.1	0.03	1.86	5.57	4	39	12	96	0.01	0.0	5.780	0.155	10	3	1	4
PL.22637	PL.22642	C	6 A (CWC)	7.39Y	123.1	0.01	1.87	4.16	3	29	9	96	0.00	0.0	5.826	0.047	0	0	0	3
PL.22465	PL.22637	C	#4 ACSR	7.39Y	123.1	0.00	1.87	1.03	1	7	2	96	0.00	0.0	5.871	0.045	7	2	1	1
PL.22592	PL.22637	C	6 A (CWC)	7.39Y	123.1	0.01	1.88	1.47	1	10	3	96	0.00	0.0	5.961	0.134	0	0	0	1
PL.22466	PL.22592	C	6 A (CWC)	7.39Y	123.1	0.00	1.88	1.47	1	10	3	96	0.00	0.0	6.021	0.060	10	3	1	1
PL.22593	PL.22592	C	6 A (CWC)	7.39Y	123.1	0.00	1.88	0.00	0	0	0	100	0.00	0.0	6.062	0.102	0	0	0	0
PL.22464	PL.22637	C	#4 ACSR	7.39Y	123.1	0.00	1.87	1.66	1	12	4	95	0.00	0.0	5.913	0.086	12	4	1	1
PL.22462	PL.22641	C	6 A (CWC)	7.40Y	123.3	0.01	1.68	5.59	4	40	12	96	0.00	0.0	5.230	0.050	10	3	3	9
PL.22638	PL.22462	C	#4 ACSR	7.40Y	123.3	0.01	1.69	4.13	3	29	9	96	0.00	0.0	5.274	0.044	3	1	1	6
PL.22639	PL.22638	C	#4 ACSR	7.40Y	123.3	0.01	1.70	3.74	3	27	8	96	0.00	0.0	5.339	0.065	7	2	2	5
PL.22640	PL.22639	C	#4 ACSR	7.40Y	123.3	0.01	1.70	2.74	2	19	6	95	0.00	0.0	5.393	0.054	9	3	1	3
PL.22463	PL.22640	C	#2 ACSR	7.40Y	123.3	0.00	1.70	0.59	0	4	1	97	0.00	0.0	5.433	0.039	4	1	1	1
PL.22587	PL.22640	C	#4 ACSR	7.40Y	123.3	0.00	1.70	0.92	1	7	2	96	0.00	0.0	5.462	0.069	7	2	1	1
PL.22670	PL.22589	ABC	#3/0 ACSR	7.41Y	123.5	0.02	1.49	19.95	7	424	129	96	0.05	0.0	4.988	0.078	4	1	1	78
PL.22671	PL.22670	ABC	#3/0 ACSR	7.41Y	123.5	0.01	1.50	19.77	7	420	128	96	0.02	0.0	5.017	0.029	0	0	0	77
PL.22764	PL.22671	C	6 A (CWC)	7.41Y	123.5	0.00	1.50	0.34	0	2	1	89	0.00	0.0	5.022	0.005	0	0	0	1
PD.3215	PL.22764	C	65T	7.41Y	123.5	0.00	1.50	0.34	0	2	1	89	0.00	0.0	5.022	0.005	0	0	0	1
PL.22765	PD.3215	C	6 A (CWC)	7.41Y	123.5	0.00	1.50	0.34	0	2	1	89	0.00	0.0	5.044	0.022	2	1	1	1
PL.21818	PL.22671	ABC	#3/0 ACSR	7.41Y	123.5	0.02	1.52	19.65	7	418	127	96	0.06	0.0	5.107	0.090	26	8	4	76
PL.21819	PL.21818	ABC	#3/0 ACSR	7.41Y	123.5	0.02	1.54	18.43	6	392	119	96	0.05	0.0	5.202	0.094	0	0	0	72
PL.22772	PL.21819	C	6 A (CWC)	7.41Y	123.5	0.00	1.54	2.71	2	19	6	95	0.00	0.0	5.206	0.005	0	0	0	3
PD.3219	PL.22772	C	65T	7.41Y	123.5	0.00	1.54	2.71	0	19	6	95	0.00	0.0	5.206	0.005	0	0	0	3
PL.22773	PD.3219	C	6 A (CWC)	7.41Y	123.5	0.00	1.55	2.71	2	19	6	95	0.00	0.0	5.220	0.014	4	1	1	3
PL.21820	PL.22773	C	6 A (CWC)	7.41Y	123.5	0.00	1.55	2.16	2	15	5	95	0.00	0.0	5.252	0.032	15	5	2	2
PL.22596	PL.21819	ABC	#3/0 ACSR	7.41Y	123.4	0.01	1.56	17.53	6	373	113	96	0.03	0.0	5.256	0.055	7	2	1	69
PL.22597	PL.22596	ABC	#3/0 ACSR	7.41Y	123.4	0.01	1.57	9.47	3	201	61	96	0.01	0.0	5.359	0.103	9	3	1	40
PL.22774	PL.22597	A	#4 ACSR	7.41Y	123.4	0.00	1.57	0.91	1	6	2	95	0.00	0.0	5.364	0.005	0	0	0	4
PD.3220	PL.22774	A	65T	7.41Y	123.4	0.00	1.57	0.91	0	6	2	95	0.00	0.0	5.364	0.005	0	0	0	4

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.22775	PD.3220	A	#4 ACSR	7.41Y	123.4	0.00	1.57	0.91	1	6	2	95	0.00	0.0	5.436	0.072	4	1	3	4
PL.22492	PL.22775	A	#1/0 ACSR	7.41Y	123.4	0.00	1.57	0.38	0	3	1	95	0.00	0.0	5.451	0.015	3	1	1	1
PL.21821	PL.22597	ABC	#3/0 ACSR	7.41Y	123.4	0.01	1.58	8.75	3	186	57	96	0.01	0.0	5.446	0.087	5	2	1	35
PL.21822	PL.21821	ABC	#3/0 ACSR	7.40Y	123.4	0.01	1.59	8.52	3	181	55	96	0.01	0.0	5.526	0.080	17	5	3	34
PL.22784	PL.21822	A	#1/0 ACSR	7.40Y	123.4	0.00	1.59	1.16	1	8	3	94	0.00	0.0	5.531	0.005	0	0	0	1
PD.3225	PL.22784	A	65T	7.40Y	123.4	0.00	1.59	1.16	0	8	3	94	0.00	0.0	5.531	0.005	0	0	0	1
PL.22785	PD.3225	A	#1/0 ACSR	7.40Y	123.4	0.00	1.59	1.16	1	8	3	94	0.00	0.0	5.579	0.049	8	3	1	1
PL.22598	PL.21822	ABC	#3/0 ACSR	7.40Y	123.4	0.01	1.59	7.33	2	156	47	96	0.01	0.0	5.613	0.087	9	3	3	30
PL.22782	PL.22598	C	#1/0 ACSR	7.40Y	123.4	0.00	1.60	1.35	1	10	3	96	0.00	0.0	5.618	0.005	0	0	0	1
PD.3224	PL.22782	C	65T	7.40Y	123.4	0.00	1.60	1.35	0	10	3	96	0.00	0.0	5.618	0.005	0	0	0	1
PL.22783	PD.3224	C	#1/0 ACSR	7.40Y	123.4	0.00	1.60	1.35	1	10	3	96	0.00	0.0	5.657	0.039	10	3	1	1
PL.22599	PL.22598	ABC	#3/0 ACSR	7.40Y	123.4	0.01	1.60	5.79	2	123	37	96	0.01	0.0	5.718	0.105	0	0	0	23
PL.22600	PL.22599	ABC	#3/0 ACSR	7.40Y	123.4	0.00	1.61	4.68	2	99	30	96	0.00	0.0	5.797	0.079	9	3	2	19
PL.22778	PL.22600	B	#2 ACSR	7.40Y	123.4	0.00	1.61	1.31	1	9	3	95	0.00	0.0	5.802	0.005	0	0	0	1
PD.3222	PL.22778	B	65T	7.40Y	123.4	0.00	1.61	1.31	0	9	3	95	0.00	0.0	5.802	0.005	0	0	0	1
PL.22779	PD.3222	B	#2 ACSR	7.40Y	123.4	0.00	1.61	1.31	1	9	3	95	0.00	0.0	5.829	0.027	9	3	1	1
PL.22685	PL.22779	B	#2 ACSR	7.40Y	123.4	0.00	1.61	0.00	0	0	0	100	0.00	0.0	5.874	0.045	0	0	0	0
PL.22686	PL.22600	ABC	#3/0 ACSR	7.40Y	123.4	0.00	1.61	3.81	1	81	25	96	0.00	0.0	5.838	0.041	0	0	0	16
PL.22687	PL.22686	ABC	#3/0 ACSR	7.40Y	123.4	0.00	1.61	3.81	1	81	25	96	0.00	0.0	5.901	0.063	10	3	2	16
PL.22776	PL.22687	A	6 A (CWC)	7.40Y	123.4	0.00	1.61	1.77	1	13	4	96	0.00	0.0	5.905	0.005	0	0	0	3
PD.3221	PL.22776	A	65T	7.40Y	123.4	0.00	1.61	1.77	0	13	4	96	0.00	0.0	5.905	0.005	0	0	0	3
PL.22777	PD.3221	A	6 A (CWC)	7.40Y	123.4	0.00	1.61	1.77	1	13	4	96	0.00	0.0	5.919	0.014	13	4	3	3
PL.22822	PL.22687	ABC	#3/0 ACSR	7.40Y	123.4	0.00	1.61	2.77	1	59	18	96	0.00	0.0	5.926	0.025	0	0	0	11
PD.3244-A	PL.22822	ABC	Closed	7.40Y	123.4	0.00	1.61	2.77	0	59	18	96	0.00	0.0	5.926	0.025	0	0	0	11
PD.3244-B	PD.3244-A	ABC	Closed	7.40Y	123.4	0.00	1.61	2.77	0	59	18	96	0.00	0.0	5.926	0.025	0	0	0	11
PL.22823	PD.3244-B	ABC	#3/0 ACSR	7.40Y	123.4	0.00	1.61	2.77	1	59	18	96	0.00	0.0	5.957	0.031	7	2	1	11
PL.22786	PL.22823	A	6 A (CWC)	7.40Y	123.4	0.00	1.61	2.00	1	14	4	96	0.00	0.0	5.962	0.005	0	0	0	3
PD.3226	PL.22786	A	65T	7.40Y	123.4	0.00	1.61	2.00	0	14	4	96	0.00	0.0	5.962	0.005	0	0	0	3
PL.22787	PD.3226	A	6 A (CWC)	7.40Y	123.4	0.00	1.62	2.00	1	14	4	96	0.00	0.0	5.990	0.028	0	0	0	3
PL.22647	PL.22787	A	#4 ACSR	7.40Y	123.4	0.00	1.62	1.89	1	13	4	96	0.00	0.0	6.063	0.073	8	2	1	2
PL.22648	PL.22647	A	#4 ACSR	7.40Y	123.4	0.00	1.62	0.77	1	5	2	93	0.00	0.0	6.141	0.078	5	2	1	1

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Balanced Voltage Drop Report
Source: Hargett

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.22601	PL.22787	A	6 A (CWC)	7.40Y	123.4	0.00	1.62	0.11	0	1	0	100	0.00	0.0	6.037	0.048	1	0	1	1
PL.22602	PL.22823	ABC	#3/0 ACSR	7.40Y	123.4	0.00	1.62	1.79	1	38	12	95	0.00	0.0	6.085	0.128	0	0	0	7
PL.22649	PL.22602	ABC	#3/0 ACSR	7.40Y	123.4	0.00	1.62	0.20	0	4	1	97	0.00	0.0	6.154	0.069	4	1	1	1
PL.22650	PL.22649	ABC	#3/0 ACSR	7.40Y	123.4	0.00	1.62	0.00	0	0	0	100	0.00	0.0	6.188	0.034	0	0	0	0
PD.3618-A	PL.22650	ABC	Open	7.40Y	123.4	0.00	1.62	0.00	0	0	0	100	0.00	0.0	6.188	0.034	0	0	0	0
PL.22760	PL.22602	C	#4 ACSR	7.40Y	123.4	0.00	1.62	4.76	4	34	10	96	0.00	0.0	6.089	0.005	0	0	0	6
PD.3213	PL.22760	C	65T	7.40Y	123.4	0.00	1.62	4.76	0	34	10	96	0.00	0.0	6.089	0.005	0	0	0	6
PL.22761	PD.3213	C	#4 ACSR	7.40Y	123.4	0.01	1.63	4.76	4	34	10	96	0.00	0.0	6.137	0.048	12	4	2	6
PL.22651	PL.22761	C	#4 ACSR	7.40Y	123.4	0.00	1.63	3.03	2	21	7	95	0.00	0.0	6.181	0.044	8	3	2	4
PL.22652	PL.22651	C	#4 ACSR	7.40Y	123.4	0.00	1.64	1.85	1	13	4	96	0.00	0.0	6.276	0.095	13	4	2	2
PL.22780	PL.22599	B	#2 ACSR	7.40Y	123.4	0.00	1.60	1.25	1	9	3	95	0.00	0.0	5.723	0.005	0	0	0	3
PD.3223	PL.22780	B	65T	7.40Y	123.4	0.00	1.60	1.25	0	9	3	95	0.00	0.0	5.723	0.005	0	0	0	3
PL.22781	PD.3223	B	#2 ACSR	7.40Y	123.4	0.00	1.60	1.25	1	9	3	95	0.00	0.0	5.729	0.007	9	3	3	3
PL.22810	PL.22599	C	#4 ACSR	7.40Y	123.4	0.00	1.60	2.08	2	15	4	97	0.00	0.0	5.723	0.005	0	0	0	1
PD.3238	PL.22810	C	65T	7.40Y	123.4	0.00	1.60	2.08	0	15	4	97	0.00	0.0	5.723	0.005	0	0	0	1
PL.22811	PD.3238	C	#4 ACSR	7.40Y	123.4	0.00	1.61	2.08	2	15	4	97	0.00	0.0	5.764	0.041	15	4	1	1
PL.22808	PL.22598	A	6 A (CWC)	7.40Y	123.4	0.00	1.60	2.04	1	14	4	96	0.00	0.0	5.618	0.005	0	0	0	3
PD.3237	PL.22808	A	65T	7.40Y	123.4	0.00	1.60	2.04	0	14	4	96	0.00	0.0	5.618	0.005	0	0	0	3
PL.22809	PD.3237	A	6 A (CWC)	7.40Y	123.4	0.00	1.60	2.04	1	14	4	96	0.00	0.0	5.671	0.053	0	0	1	3
PL.22688	PL.22809	A	6 A (CWC)	7.40Y	123.4	0.00	1.60	2.00	1	14	4	96	0.00	0.0	5.720	0.049	0	0	0	2
PL.22689	PL.22688	A	6 A (CWC)	7.40Y	123.4	0.01	1.61	2.00	1	14	4	96	0.00	0.0	5.791	0.070	0	0	0	2
PL.22690	PL.22689	A	6 A (CWC)	7.40Y	123.4	0.00	1.61	2.00	1	14	4	96	0.00	0.0	5.806	0.015	14	4	2	2
PL.22478	PL.22596	A	6 A (CWC)	7.40Y	123.4	0.08	1.64	23.11	17	164	50	96	0.10	0.1	5.334	0.077	0	0	0	28
PL.22485	PL.22478	A	6 A (CWC)	7.40Y	123.3	0.01	1.65	23.11	17	164	50	96	0.02	0.0	5.346	0.012	3	1	1	28
PL.22828	PL.22485	A	6 A (CWC)	7.40Y	123.3	0.00	1.65	22.62	16	160	49	96	0.00	0.0	5.349	0.003	0	0	0	27
PD.3248	PL.22828	A	35L	7.40Y	123.3	0.00	1.65	22.62	65	160	49	96	0.00	0.0	5.349	0.003	0	0	0	27
PL.22829	PD.3248	A	6 A (CWC)	7.40Y	123.3	0.06	1.71	22.62	16	160	49	96	0.07	0.0	5.411	0.062	33	10	4	27
PL.22595	PL.22829	A	6 A (CWC)	7.39Y	123.2	0.04	1.75	17.89	13	127	39	96	0.04	0.0	5.458	0.047	2	1	1	22
PL.22683	PL.22595	A	#2 ACSR	7.39Y	123.2	0.00	1.76	1.35	1	10	3	96	0.00	0.0	5.542	0.083	0	0	0	1
PL.22684	PL.22683	A	#2 ACSR	7.39Y	123.2	0.00	1.76	1.35	1	10	3	96	0.00	0.0	5.713	0.172	10	3	1	1
PL.21823	PL.22595	A	6 A (CWC)	7.39Y	123.2	0.06	1.81	16.22	12	115	35	96	0.05	0.0	5.538	0.080	7	2	2	20

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Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.22682	PL.21823	A	6 A (CWC)	7.39Y	123.1	0.06	1.87	15.17	11	107	33	96	0.05	0.0	5.629	0.091	0	0	0	18
PL.22680	PL.22682	A	#1/0 ACSR	7.39Y	123.1	0.00	1.87	1.35	1	10	3	96	0.00	0.0	5.663	0.034	8	3	1	2
PL.22681	PL.22680	A	#1/0 ACSR	7.39Y	123.1	0.00	1.87	0.15	0	1	0	100	0.00	0.0	5.803	0.140	1	0	1	1
PL.22594	PL.22682	A	6 A (CWC)	7.38Y	123.1	0.05	1.93	13.82	10	98	30	96	0.04	0.0	5.711	0.082	0	0	0	16
PL.21798	PL.22594	A	6 A (CWC)	7.38Y	123.0	0.03	1.96	12.64	9	89	27	96	0.02	0.0	5.769	0.058	9	3	1	14
PL.21799	PL.21798	A	6 A (CWC)	7.38Y	123.0	0.03	1.99	11.31	8	80	24	96	0.02	0.0	5.830	0.061	0	0	0	13
PL.22814	PL.21799	A	#1/0 ACSR	7.38Y	123.0	0.00	1.99	0.36	0	3	1	95	0.00	0.0	5.835	0.004	0	0	0	2
PD.3240	PL.22814	A	15T	7.38Y	123.0	0.00	1.99	0.36	0	3	1	95	0.00	0.0	5.835	0.004	0	0	0	2
PL.22815	PD.3240	A	#1/0 ACSR	7.38Y	123.0	0.00	1.99	0.36	0	3	1	95	0.00	0.0	5.975	0.140	3	1	2	2
PL.21800	PL.21799	A	6 A (CWC)	7.38Y	123.0	0.02	2.01	10.95	8	77	24	95	0.01	0.0	5.864	0.034	6	2	1	11
PL.21801	PL.21800	A	6 A (CWC)	7.38Y	123.0	0.01	2.02	10.10	7	71	22	96	0.01	0.0	5.892	0.028	0	0	1	10
PL.21802	PL.21801	A	6 A (CWC)	7.38Y	123.0	0.03	2.04	10.09	7	71	22	96	0.01	0.0	5.950	0.057	3	1	1	9
PL.21814	PL.21802	A	#4 ACSR	7.38Y	122.9	0.01	2.06	8.35	6	59	18	96	0.01	0.0	5.983	0.034	6	2	1	7
PL.21815	PL.21814	A	#4 ACSR	7.38Y	122.9	0.00	2.06	7.54	6	53	16	96	0.00	0.0	5.992	0.009	0	0	0	6
PL.22488	PL.21815	A	#4 ACSR	7.38Y	122.9	0.01	2.07	3.50	3	25	8	95	0.00	0.0	6.054	0.062	0	0	0	2
PL.21812	PL.22488	A	#4 ACSR	7.38Y	122.9	0.01	2.08	2.15	2	15	5	95	0.00	0.0	6.114	0.060	0	0	0	1
PL.21813	PL.21812	A	#4 ACSR	7.38Y	122.9	0.00	2.08	2.15	2	15	5	95	0.00	0.0	6.208	0.094	15	5	1	1
PL.22489	PL.22488	A	#1/0 ACSR	7.38Y	122.9	0.00	2.07	1.36	1	10	3	96	0.00	0.0	6.080	0.026	10	3	1	1
PL.22590	PL.21815	A	#4 ACSR	7.38Y	122.9	0.02	2.08	4.04	3	29	9	96	0.00	0.0	6.139	0.147	15	5	2	4
PL.22490	PL.22590	A	#4 ACSR	7.37Y	122.9	0.01	2.09	1.93	1	14	4	96	0.00	0.0	6.233	0.094	0	0	0	2
PL.22491	PL.22490	A	#4 ACSR	7.37Y	122.9	0.00	2.09	1.93	1	14	4	96	0.00	0.0	6.303	0.070	14	4	2	2
PL.22591	PL.22590	A	#4 ACSR	7.38Y	122.9	0.00	2.08	0.00	0	0	0	100	0.00	0.0	6.245	0.105	0	0	0	0
PL.22558	PL.22591	A	#4 ACSR	7.38Y	122.9	0.00	2.08	0.00	0	0	0	100	0.00	0.0	6.336	0.092	0	0	0	0
PL.22487	PL.21802	A	6 A (CWC)	7.38Y	123.0	0.00	2.05	1.25	1	9	3	95	0.00	0.0	6.057	0.108	9	3	1	1
PL.22486	PL.22594	A	#4 ACSR	7.38Y	123.1	0.00	1.93	1.18	1	8	3	94	0.00	0.0	5.779	0.069	8	3	2	2
PL.22479	PL.22829	A	#4 ACSR	7.40Y	123.3	0.00	1.71	0.12	0	1	0	100	0.00	0.0	5.446	0.035	1	0	1	1
PL.22824	PL.22588	A	6 A (CWC)	7.41Y	123.5	0.00	1.46	6.57	5	47	14	96	0.00	0.0	4.884	0.003	0	0	0	9
PD.3246	PL.22824	A	35L	7.41Y	123.5	0.00	1.46	6.57	19	47	14	96	0.00	0.0	4.884	0.003	0	0	0	9
PL.22825	PD.3246	A	6 A (CWC)	7.41Y	123.5	0.01	1.47	6.57	5	47	14	96	0.00	0.0	4.910	0.026	0	0	0	9
PL.22380	PL.22825	A	6 A (CWC)	7.41Y	123.5	0.00	1.47	1.50	1	11	3	96	0.00	0.0	4.978	0.068	11	3	2	2
PL.22531	PL.22825	A	6 A (CWC)	7.41Y	123.5	0.02	1.49	5.07	4	36	11	96	0.01	0.0	4.999	0.090	0	0	0	7

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.22532	PL.22531	A	6 A (CWC)	7.41Y	123.5	0.02	1.51	3.64	3	26	8	96	0.00	0.0	5.107	0.108	0	0	0	5
PL.22382	PL.22532	A	6 A (CWC)	7.41Y	123.5	0.00	1.51	1.49	1	11	3	96	0.00	0.0	5.132	0.025	11	3	1	1
PL.22664	PL.22532	A	6 A (CWC)	7.41Y	123.5	0.00	1.51	2.14	2	15	5	95	0.00	0.0	5.143	0.036	3	1	1	4
PL.22665	PL.22664	A	6 A (CWC)	7.41Y	123.5	0.01	1.52	1.75	1	12	4	95	0.00	0.0	5.267	0.124	9	3	2	3
PL.22666	PL.22665	A	6 A (CWC)	7.41Y	123.5	0.00	1.52	0.43	0	3	1	95	0.00	0.0	5.440	0.173	3	1	1	1
PL.22667	PL.22666	A	6 A (CWC)	7.41Y	123.5	0.00	1.52	0.00	0	0	0	100	0.00	0.0	5.545	0.105	0	0	0	0
PL.22381	PL.22531	A	6 A (CWC)	7.41Y	123.5	0.00	1.49	1.44	1	10	3	96	0.00	0.0	5.037	0.038	10	3	2	2
PL.22766	PL.22769	A	#2 ACSR	7.42Y	123.7	0.00	1.33	1.84	1	13	4	96	0.00	0.0	4.540	0.005	0	0	0	1
PD.3216	PL.22766	A	65T	7.42Y	123.7	0.00	1.33	1.84	0	13	4	96	0.00	0.0	4.540	0.005	0	0	0	1
PL.22767	PD.3216	A	#2 ACSR	7.42Y	123.7	0.00	1.33	1.84	1	13	4	96	0.00	0.0	4.561	0.020	13	4	1	1
PL.22812	PL.22676	C	6 A (CWC)	7.43Y	123.8	0.00	1.18	1.93	1	14	4	96	0.00	0.0	4.154	0.005	0	0	0	5
PD.3239	PL.22812	C	65T	7.43Y	123.8	0.00	1.18	1.93	0	14	4	96	0.00	0.0	4.154	0.005	0	0	0	5
PL.22813	PD.3239	C	6 A (CWC)	7.43Y	123.8	0.00	1.18	1.93	1	14	4	96	0.00	0.0	4.174	0.020	1	0	1	5
PL.22677	PL.22813	C	6 A (CWC)	7.43Y	123.8	0.01	1.19	1.76	1	13	4	96	0.00	0.0	4.296	0.122	3	1	1	4
PL.21810	PL.22677	C	6 A (CWC)	7.43Y	123.8	0.00	1.19	1.33	1	9	3	95	0.00	0.0	4.361	0.064	9	3	1	3
PL.21811	PL.21810	C	6 A (CWC)	7.43Y	123.8	0.00	1.19	0.13	0	1	0	100	0.00	0.0	4.424	0.063	1	0	2	2
PL.22657	PL.22555	ABC	#2 ACSR	7.44Y	124.0	0.02	1.00	37.73	22	804	251	95	0.14	0.0	3.675	0.024	0	0	0	194
PL.22834	PL.22657	ABC	#2 ACSR	7.44Y	123.9	0.06	1.06	37.73	22	804	251	95	0.39	0.0	3.742	0.067	0	0	0	194
PD.3251	PL.22834	ABC	70L	7.44Y	123.9	0.00	1.06	37.73	54	803	251	95	0.00	0.0	3.742	0.067	0	0	0	194
PL.22835	PD.3251	ABC	#2 ACSR	7.43Y	123.9	0.03	1.09	37.73	22	803	251	95	0.16	0.0	3.769	0.027	9	3	2	194
PL.22659	PL.22835	ABC	#2 ACSR	7.43Y	123.8	0.14	1.23	37.29	21	794	248	95	0.85	0.1	3.919	0.149	0	0	0	192
PL.22560	PL.22659	ABC	#2 ACSR	7.42Y	123.6	0.15	1.38	37.29	21	793	248	95	0.88	0.1	4.073	0.154	0	0	0	192
PL.21805	PL.22560	ABC	#2 ACSR	7.42Y	123.6	0.03	1.41	34.36	20	730	228	95	0.19	0.0	4.113	0.039	14	4	2	182
PL.21806	PL.21805	ABC	#2 ACSR	7.41Y	123.5	0.11	1.52	33.72	19	716	224	95	0.57	0.1	4.235	0.123	0	0	0	180
PL.21803	PL.21806	ABC	#2 ACSR	7.40Y	123.4	0.07	1.58	33.72	19	715	223	95	0.35	0.0	4.312	0.077	5	2	1	180
PL.21804	PL.21803	ABC	#2 ACSR	7.40Y	123.4	0.03	1.62	33.48	19	710	222	95	0.19	0.0	4.352	0.040	2	1	2	179
PL.21809	PL.21804	ABC	#1/0 ACSR	7.40Y	123.3	0.05	1.67	33.38	15	708	221	95	0.25	0.0	4.436	0.084	7	2	1	177
PL.22836	PL.21809	ABC	#1/0 ACSR	7.40Y	123.3	0.07	1.74	33.07	14	701	219	95	0.34	0.0	4.552	0.116	0	0	0	176
PL.22837	PL.22836	ABC	#1/0 ACSR	7.39Y	123.2	0.06	1.80	33.07	14	701	218	95	0.27	0.0	4.646	0.093	0	0	0	176
PL.22506	PL.22837	ABC	#1/0 ACSR	7.39Y	123.1	0.10	1.90	33.06	14	700	218	95	0.49	0.1	4.815	0.170	0	0	0	175
PL.22561	PL.22506	ABC	#1/0 ACSR	7.38Y	123.0	0.11	2.01	33.06	14	700	218	95	0.51	0.1	4.992	0.177	0	0	0	175

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-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.22562	PL.22561	ABC	#1/0 ACSR	7.38Y	122.9	0.08	2.08	33.06	14	699	217	96	0.37	0.1	5.118	0.126	0	0	0	175
PL.22563	PL.22562	ABC	#1/0 ACSR	7.37Y	122.8	0.08	2.16	33.06	14	699	217	96	0.39	0.1	5.251	0.133	0	0	0	175
PL.22507	PL.22563	ABC	#1/0 ACSR	7.37Y	122.8	0.04	2.21	15.87	7	336	103	96	0.10	0.0	5.397	0.146	0	0	0	81
PL.22579	PL.22507	ABC	#1/0 ACSR	7.37Y	122.8	0.02	2.23	15.73	7	333	102	96	0.05	0.0	5.472	0.075	2	0	1	80
PL.22707	PL.22579	ABC	#1/0 ACSR	7.37Y	122.8	0.01	2.24	12.96	6	274	84	96	0.02	0.0	5.514	0.042	2	1	1	68
PL.22728	PL.22707	ABC	#1/0 ACSR	7.36Y	122.7	0.03	2.27	12.86	6	272	83	96	0.06	0.0	5.653	0.139	6	2	1	67
PL.22729	PL.22728	ABC	#1/0 ACSR	7.36Y	122.7	0.02	2.29	12.59	5	266	81	96	0.04	0.0	5.739	0.086	7	2	1	66
PL.22730	PL.22729	ABC	#1/0 ACSR	7.36Y	122.7	0.02	2.31	12.27	5	259	79	96	0.04	0.0	5.830	0.092	0	0	0	65
PL.22582	PL.22730	ABC	#1/0 ACSR	7.36Y	122.7	0.01	2.32	11.67	5	246	75	96	0.02	0.0	5.894	0.064	12	4	3	61
PL.22796	PL.22582	A	6 A (CWC)	7.36Y	122.7	0.00	2.32	0.00	0	0	0	100	0.00	0.0	5.899	0.005	0	0	0	0
PD.3231	PL.22796	A	30T	7.36Y	122.7	0.00	2.32	0.00	0	0	0	100	0.00	0.0	5.899	0.005	0	0	0	0
PL.22797	PD.3231	A	6 A (CWC)	7.36Y	122.7	0.00	2.32	0.00	0	0	0	100	0.00	0.0	5.941	0.043	0	0	0	0
PL.22733	PL.22582	ABC	#1/0 ACSR	7.36Y	122.7	0.01	2.33	11.09	5	234	72	96	0.01	0.0	5.930	0.036	1	0	1	58
PL.22734	PL.22733	ABC	#1/0 ACSR	7.36Y	122.6	0.02	2.35	11.06	5	233	71	96	0.04	0.0	6.045	0.114	0	0	0	57
PL.22517	PL.22734	ABC	#1/0 ACSR	7.36Y	122.6	0.01	2.37	10.24	4	216	66	96	0.02	0.0	6.111	0.067	0	0	0	53
PL.22519	PL.22517	ABC	#1/0 ACSR	7.36Y	122.6	0.03	2.39	10.23	4	216	66	96	0.04	0.0	6.258	0.146	0	0	0	52
PL.22580	PL.22519	ABC	#1/0 ACSR	7.36Y	122.6	0.01	2.40	10.23	4	216	66	96	0.02	0.0	6.322	0.065	0	0	1	52
PL.22830	PL.22580	A	6 A (CWC)	7.36Y	122.6	0.00	2.41	0.81	1	6	2	95	0.00	0.0	6.382	0.060	0	0	0	3
PD.3249	PL.22830	A	35L	7.36Y	122.6	0.00	2.41	0.81	2	6	2	95	0.00	0.0	6.382	0.060	0	0	0	3
PL.22831	PD.3249	A	6 A (CWC)	7.36Y	122.6	0.00	2.41	0.81	1	6	2	95	0.00	0.0	6.451	0.069	4	1	2	3
PL.22735	PL.22831	A	6 A (CWC)	7.36Y	122.6	0.00	2.41	0.22	0	2	0	100	0.00	0.0	6.639	0.189	0	0	0	1
PL.21997	PL.22735	A	6 A (CWC)	7.36Y	122.6	0.00	2.41	0.22	0	2	0	100	0.00	0.0	6.722	0.083	0	0	0	1
PL.21998	PL.21997	A	6 A (CWC)	7.36Y	122.6	0.00	2.41	0.22	0	2	0	100	0.00	0.0	6.830	0.108	0	0	0	1
PL.22400	PL.21998	A	6 A (CWC)	7.36Y	122.6	0.00	2.41	0.00	0	0	0	100	0.00	0.0	6.925	0.095	0	0	0	0
PL.22401	PL.21998	A	6 A (CWC)	7.36Y	122.6	0.00	2.41	0.22	0	2	0	100	0.00	0.0	7.002	0.172	0	0	0	1
PL.22534	PL.22401	A	6 A (CWC)	7.36Y	122.6	0.00	2.42	0.22	0	2	0	100	0.00	0.0	7.092	0.090	0	0	0	1
PL.22402	PL.22534	A	#4 ACSR	7.36Y	122.6	0.00	2.42	0.22	0	2	0	100	0.00	0.0	7.200	0.108	0	0	0	1
PL.22403	PL.22402	A	#4 ACSR	7.35Y	122.6	0.00	2.42	0.22	0	2	0	100	0.00	0.0	7.277	0.077	2	0	1	1
PL.22581	PL.22580	ABC	#1/0 ACSR	7.36Y	122.6	0.00	2.41	9.94	4	210	64	96	0.01	0.0	6.349	0.027	0	0	0	48
PL.22832	PL.22581	C	8 A (CWC)	7.36Y	122.6	0.01	2.42	29.82	30	210	64	96	0.01	0.0	6.352	0.003	0	0	0	48
PD.3250	PL.22832	C	50L	7.36Y	122.6	0.00	2.42	29.82	60	210	64	96	0.00	0.0	6.352	0.003	0	0	0	48

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: Hargett

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----			
																KW	KVAR	Cons On	Cons Thru	
PL.22833	PD.3250	C	8 A (CWC)	7.35Y	122.4	0.14	2.56	29.82	30	210	64	96	0.23	0.1	6.423	0.072	5	1	2	48
PL.22721	PL.22833	C	8 A (CWC)	7.34Y	122.3	0.16	2.71	29.17	29	205	63	96	0.25	0.1	6.503	0.080	0	0	0	46
PL.22398	PL.22721	C	#4 ACSR	7.34Y	122.3	0.00	2.71	0.52	0	4	1	97	0.00	0.0	6.571	0.067	4	1	1	1
PL.22399	PL.22398	C	#1/0 ACSR	7.34Y	122.3	0.00	2.71	0.00	0	0	0	100	0.00	0.0	6.591	0.020	0	0	0	0
PL.22718	PL.22721	C	6 A (CWC)	7.33Y	122.2	0.11	2.82	28.65	20	201	61	96	0.16	0.1	6.588	0.084	9	3	1	45
PL.22719	PL.22718	C	6 A (CWC)	7.33Y	122.1	0.08	2.90	27.41	20	192	59	96	0.11	0.1	6.648	0.061	6	2	1	44
PL.22720	PL.22719	C	6 A (CWC)	7.32Y	122.0	0.08	2.97	26.56	19	186	57	96	0.11	0.1	6.711	0.063	0	0	0	43
PL.22404	PL.22720	C	#4 ACSR	7.32Y	122.0	0.00	2.98	1.11	1	8	2	97	0.00	0.0	6.782	0.071	8	2	1	1
PL.22576	PL.22720	C	6 A (CWC)	7.32Y	121.9	0.09	3.07	25.46	18	178	54	96	0.13	0.1	6.794	0.083	9	3	1	42
PL.22405	PL.22576	C	6 A (CWC)	7.32Y	121.9	0.00	3.07	1.54	1	11	3	96	0.00	0.0	6.864	0.070	0	0	0	2
PL.22406	PL.22405	C	6 A (CWC)	7.32Y	121.9	0.00	3.08	1.54	1	11	3	96	0.00	0.0	6.902	0.039	0	0	0	2
PL.22520	PL.22406	C	6 A (CWC)	7.32Y	121.9	0.00	3.08	0.50	0	3	1	95	0.00	0.0	6.917	0.015	3	1	1	1
PL.22407	PL.22406	C	6 A (CWC)	7.32Y	121.9	0.00	3.08	1.04	1	7	2	96	0.00	0.0	7.003	0.101	7	2	1	1
PL.22716	PL.22576	C	6 A (CWC)	7.31Y	121.9	0.03	3.09	22.65	16	158	48	96	0.03	0.0	6.819	0.025	6	2	1	39
PL.22717	PL.22716	C	6 A (CWC)	7.31Y	121.8	0.06	3.16	21.80	16	152	47	96	0.07	0.0	6.883	0.064	13	4	2	38
PL.22712	PL.22717	C	6 A (CWC)	7.31Y	121.8	0.07	3.23	19.97	14	140	43	96	0.08	0.1	6.964	0.082	2	0	1	36
PL.22713	PL.22712	C	6 A (CWC)	7.30Y	121.7	0.11	3.34	19.75	14	138	42	96	0.11	0.1	7.084	0.119	5	2	1	35
PL.22714	PL.22713	C	6 A (CWC)	7.30Y	121.6	0.05	3.38	19.02	14	133	40	96	0.04	0.0	7.138	0.054	10	3	1	34
PL.22715	PL.22714	C	6 A (CWC)	7.29Y	121.6	0.04	3.42	17.61	13	123	37	96	0.03	0.0	7.183	0.045	0	0	0	33
PL.22412	PL.22715	C	6 A (CWC)	7.29Y	121.6	0.01	3.43	3.46	2	24	7	96	0.00	0.0	7.269	0.086	0	0	0	8
PL.22011	PL.22412	C	6 A (CWC)	7.29Y	121.5	0.02	3.45	3.46	2	24	7	96	0.00	0.0	7.379	0.110	0	0	0	8
PL.22724	PL.22011	C	6 A (CWC)	7.29Y	121.5	0.01	3.46	3.46	2	24	7	96	0.00	0.0	7.469	0.090	2	1	1	8
PL.22725	PL.22724	C	6 A (CWC)	7.29Y	121.5	0.03	3.49	3.21	2	22	7	95	0.00	0.0	7.639	0.170	0	0	0	7
PL.22521	PL.22725	C	6 A (CWC)	7.29Y	121.5	0.01	3.50	2.71	2	19	6	95	0.00	0.0	7.705	0.066	0	0	0	6
PL.22522	PL.22521	C	6 A (CWC)	7.29Y	121.5	0.01	3.51	2.70	2	19	6	95	0.00	0.0	7.802	0.097	0	0	0	5
PL.22012	PL.22522	C	6 A (CWC)	7.29Y	121.5	0.01	3.52	2.70	2	19	6	95	0.00	0.0	7.904	0.102	0	0	0	5
PL.21999	PL.22012	C	6 A (CWC)	7.29Y	121.5	0.01	3.53	2.70	2	19	6	95	0.00	0.0	7.992	0.089	0	0	0	5
PL.22423	PL.21999	C	6 A (CWC)	7.29Y	121.5	0.01	3.54	1.28	1	9	3	95	0.00	0.0	8.113	0.120	0	0	0	4
PL.22000	PL.22423	C	6 A (CWC)	7.29Y	121.5	0.01	3.55	1.28	1	9	3	95	0.00	0.0	8.217	0.105	0	0	0	4
PL.22524	PL.22000	C	6 A (CWC)	7.29Y	121.5	0.00	3.55	0.00	0	0	0	100	0.00	0.0	8.275	0.058	0	0	0	1
PL.22726	PL.22524	C	#1/0 ACSR	7.29Y	121.5	0.00	3.55	0.00	0	0	0	100	0.00	0.0	8.389	0.114	0	0	0	1

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Balanced Voltage Drop Report
Source: Hargett

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.22727	PL.22726	C	#1/0 ACSR	7.29Y	121.5	0.00	3.55	0.00	0	0	0	100	0.00	0.0	8.485	0.095	0	0	1	1
PL.22424	PL.22000	C	#4 ACSR	7.29Y	121.4	0.00	3.55	1.28	1	9	3	95	0.00	0.0	8.277	0.059	0	0	0	3
PL.22722	PL.22424	C	#4 ACSR	7.29Y	121.4	0.00	3.55	0.32	0	2	1	89	0.00	0.0	8.327	0.050	0	0	1	2
PL.22723	PL.22722	C	#4 ACSR	7.29Y	121.4	0.00	3.55	0.32	0	2	1	89	0.00	0.0	8.394	0.068	2	1	1	1
PL.22525	PL.22424	C	#4 ACSR	7.29Y	121.4	0.00	3.55	0.96	1	7	2	96	0.00	0.0	8.303	0.027	7	2	1	1
PL.22523	PL.21999	C	6 A (CWC)	7.29Y	121.5	0.00	3.54	1.42	1	10	3	96	0.00	0.0	8.064	0.071	0	0	0	1
PL.22425	PL.22523	C	6 A (CWC)	7.29Y	121.5	0.01	3.54	1.42	1	10	3	96	0.00	0.0	8.225	0.161	10	3	1	1
PL.22422	PL.22521	C	6 A (CWC)	7.29Y	121.5	0.00	3.50	0.01	0	0	0	100	0.00	0.0	7.764	0.060	0	0	1	1
PL.22421	PL.22725	C	#1/0 ACSR	7.29Y	121.5	0.00	3.49	0.50	0	3	1	95	0.00	0.0	7.768	0.129	3	1	1	1
PL.22792	PL.22715	C	#4 ACSR	7.29Y	121.6	0.00	3.42	13.85	11	97	29	96	0.00	0.0	7.187	0.004	0	0	0	24
PD.3229	PL.22792	C	20T	7.29Y	121.6	0.00	3.42	13.85	0	97	29	96	0.00	0.0	7.187	0.004	0	0	0	24
PL.22793	PD.3229	C	#4 ACSR	7.29Y	121.6	0.02	3.44	13.85	11	97	29	96	0.01	0.0	7.219	0.032	0	0	0	24
PL.22408	PL.22793	C	6 A (CWC)	7.29Y	121.6	0.00	3.44	0.00	0	0	0	100	0.00	0.0	7.318	0.099	0	0	0	0
PL.22526	PL.22793	C	#4 ACSR	7.29Y	121.5	0.05	3.49	13.85	11	97	29	96	0.03	0.0	7.293	0.074	0	0	0	24
PL.22410	PL.22526	C	6 A (CWC)	7.29Y	121.5	0.00	3.49	0.38	0	3	1	95	0.00	0.0	7.396	0.103	3	1	2	2
PL.22409	PL.22526	C	#1/0 ACSR	7.29Y	121.5	0.00	3.49	1.36	1	9	3	95	0.00	0.0	7.362	0.069	9	3	1	1
PL.22527	PL.22526	C	#4 ACSR	7.29Y	121.4	0.07	3.56	12.12	9	85	26	96	0.04	0.1	7.417	0.124	0	0	0	21
PL.22010	PL.22527	C	#4 ACSR	7.28Y	121.4	0.04	3.60	12.12	9	84	26	96	0.03	0.0	7.491	0.074	0	0	0	21
PL.22001	PL.22010	C	#4 ACSR	7.28Y	121.3	0.08	3.68	12.12	9	84	26	96	0.05	0.1	7.641	0.150	0	0	0	21
PL.22528	PL.22001	C	#4 ACSR	7.28Y	121.3	0.07	3.74	9.81	8	68	21	96	0.03	0.1	7.793	0.151	0	0	0	19
PL.22567	PL.22528	C	#4 ACSR	7.27Y	121.2	0.03	3.77	7.46	6	52	16	96	0.01	0.0	7.886	0.094	10	3	1	16
PL.22568	PL.22567	C	#4 ACSR	7.27Y	121.2	0.03	3.80	6.08	5	42	13	96	0.01	0.0	8.007	0.121	3	1	2	15
PL.22708	PL.22568	C	#4 ACSR	7.27Y	121.2	0.01	3.82	5.15	4	36	11	96	0.00	0.0	8.079	0.071	9	3	2	12
PL.22709	PL.22708	C	#4 ACSR	7.27Y	121.2	0.01	3.83	3.79	3	26	8	96	0.00	0.0	8.152	0.074	7	2	2	10
PL.22018	PL.22709	C	#4 ACSR	7.27Y	121.2	0.01	3.84	1.19	1	8	3	94	0.00	0.0	8.285	0.133	0	0	0	6
PL.22002	PL.22018	C	#4 ACSR	7.27Y	121.2	0.01	3.85	1.19	1	8	3	94	0.00	0.0	8.461	0.176	0	0	0	6
PL.22003	PL.22002	C	#4 ACSR	7.27Y	121.1	0.01	3.85	1.19	1	8	3	94	0.00	0.0	8.567	0.106	0	0	0	6
PL.22529	PL.22003	C	#4 ACSR	7.27Y	121.1	0.00	3.85	1.19	1	8	3	94	0.00	0.0	8.628	0.060	0	0	0	6
PL.22701	PL.22529	C	6 A (CWC)	7.27Y	121.1	0.01	3.86	1.06	1	7	2	96	0.00	0.0	8.754	0.127	2	1	2	3
PL.22702	PL.22701	C	6 A (CWC)	7.27Y	121.1	0.00	3.86	0.82	1	6	2	95	0.00	0.0	8.838	0.084	0	0	0	1
PL.22419	PL.22702	C	#4 ACSR	7.27Y	121.1	0.00	3.87	0.82	1	6	2	95	0.00	0.0	8.988	0.150	6	2	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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.22699	PL.22529	C	6 A (CWC)	7.27Y	121.1	0.00	3.86	0.13	0	1	0	100	0.00	0.0	8.671	0.043	0	0	0	3
PL.22700	PL.22699	C	6 A (CWC)	7.27Y	121.1	0.00	3.86	0.13	0	1	0	100	0.00	0.0	8.926	0.256	0	0	0	3
PL.22004	PL.22700	C	6 A (CWC)	7.27Y	121.1	0.00	3.86	0.13	0	1	0	100	0.00	0.0	9.097	0.170	0	0	0	3
PL.22005	PL.22004	C	6 A (CWC)	7.27Y	121.1	0.00	3.86	0.13	0	1	0	100	0.00	0.0	9.178	0.081	1	0	1	3
PL.22695	PL.22005	C	#4 ACSR	7.27Y	121.1	0.00	3.86	0.01	0	0	0	100	0.00	0.0	9.343	0.165	0	0	1	2
PL.22696	PL.22695	C	#4 ACSR	7.27Y	121.1	0.00	3.86	0.00	0	0	0	100	0.00	0.0	9.442	0.100	0	0	1	1
PL.22417	PL.22709	C	#4 ACSR	7.27Y	121.2	0.00	3.83	1.61	1	11	3	96	0.00	0.0	8.163	0.011	11	3	2	2
PL.22416	PL.22568	C	#4 ACSR	7.27Y	121.2	0.00	3.81	0.48	0	3	1	95	0.00	0.0	8.083	0.075	3	1	1	1
PL.66181	PL.22568	C	#1/0 ACSR	7.27Y	121.2	0.00	3.80	0.00	0	0	0	100	0.00	0.0	8.031	0.023	0	0	0	0
PL.66182	PL.66181	C	#1/0 ACSR	7.27Y	121.2	0.00	3.80	0.00	0	0	0	100	0.00	0.0	8.074	0.043	0	0	0	0
PL.66183	PL.66182	C	#1/0 ACSR	7.27Y	121.2	0.00	3.80	0.00	0	0	0	100	0.00	0.0	8.093	0.019	0	0	0	0
PL.66184	PL.66183	C	#1/0 ACSR	7.27Y	121.2	0.00	3.80	0.00	0	0	0	100	0.00	0.0	8.162	0.069	0	0	0	0
PL.22415	PL.22567	C	#4 ACSR	7.27Y	121.2	0.00	3.77	0.00	0	0	0	100	0.00	0.0	7.959	0.072	0	0	0	0
PL.22414	PL.22528	C	6 A (CWC)	7.27Y	121.2	0.01	3.75	2.34	2	16	5	95	0.00	0.0	7.869	0.076	0	0	0	3
PL.22710	PL.22414	C	6 A (CWC)	7.27Y	121.2	0.01	3.76	1.28	1	9	3	95	0.00	0.0	7.982	0.113	3	1	1	2
PL.22711	PL.22710	C	6 A (CWC)	7.27Y	121.2	0.00	3.76	0.91	1	6	2	95	0.00	0.0	8.170	0.189	6	2	1	1
PL.22420	PL.22414	C	#4 ACSR	7.27Y	121.2	0.00	3.75	1.06	1	7	2	96	0.00	0.0	7.908	0.039	7	2	1	1
PL.22413	PL.22001	C	6 A (CWC)	7.28Y	121.3	0.00	3.68	2.31	2	16	5	95	0.00	0.0	7.708	0.067	16	5	2	2
PL.22411	PL.22715	C	#1/0 ACSR	7.29Y	121.6	0.00	3.42	0.30	0	2	1	89	0.00	0.0	7.233	0.051	2	1	1	1
PL.22798	PL.22517	C	#1/0 ACSR	7.36Y	122.6	0.00	2.37	0.04	0	0	0	100	0.00	0.0	6.116	0.004	0	0	0	1
PD.3232	PL.22798	C	30T	7.36Y	122.6	0.00	2.37	0.04	0	0	0	100	0.00	0.0	6.116	0.004	0	0	0	1
PL.22799	PD.3232	C	#1/0 ACSR	7.36Y	122.6	0.00	2.37	0.04	0	0	0	100	0.00	0.0	6.185	0.069	0	0	1	1
PL.22395	PL.22734	A	#2 ACSR	7.36Y	122.6	0.00	2.35	1.51	1	11	3	96	0.00	0.0	6.070	0.026	2	1	1	3
PL.22800	PL.22395	A	#2 ACSR	7.36Y	122.6	0.00	2.35	1.25	1	9	3	95	0.00	0.0	6.075	0.005	0	0	0	2
PD.3233	PL.22800	A	30T	7.36Y	122.6	0.00	2.35	1.25	0	9	3	95	0.00	0.0	6.075	0.005	0	0	0	2
PL.22801	PD.3233	A	#2 ACSR	7.36Y	122.6	0.01	2.36	1.25	1	9	3	95	0.00	0.0	6.244	0.169	0	0	0	2
PL.21995	PL.22801	A	#2 ACSR	7.36Y	122.6	0.00	2.37	1.25	1	9	3	95	0.00	0.0	6.352	0.108	0	0	0	2
PL.21996	PL.21995	A	#2 ACSR	7.36Y	122.6	0.00	2.37	1.25	1	9	3	95	0.00	0.0	6.418	0.066	0	0	0	2
PL.22518	PL.21996	A	#2 ACSR	7.36Y	122.6	0.00	2.37	0.16	0	1	0	100	0.00	0.0	6.504	0.086	1	0	1	1
PL.22396	PL.21996	A	#4 ACSR	7.36Y	122.6	0.00	2.37	1.09	1	8	2	97	0.00	0.0	6.504	0.086	8	2	1	1
PL.22802	PL.22734	C	#2 ACSR	7.36Y	122.6	0.00	2.35	0.94	1	7	2	96	0.00	0.0	6.049	0.005	0	0	0	1

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Balanced Voltage Drop Report
Source: Hargett

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.3234	PL.22802	C	30T	7.36Y	122.6	0.00	2.35	0.94	0	7	2	96	0.00	0.0	6.049	0.005	0	0	0	1
PL.22803	PD.3234	C	#2 ACSR	7.36Y	122.6	0.00	2.35	0.94	1	7	2	96	0.00	0.0	6.107	0.058	7	2	1	1
PL.22731	PL.22730	A	#2 ACSR	7.36Y	122.7	0.00	2.31	1.80	1	13	4	96	0.00	0.0	5.853	0.023	0	0	1	4
PL.22732	PL.22731	A	#2 ACSR	7.36Y	122.7	0.00	2.31	1.74	1	12	4	95	0.00	0.0	5.879	0.026	0	0	0	3
PL.22794	PL.22732	A	6 A (CWC)	7.36Y	122.7	0.00	2.31	1.74	1	12	4	95	0.00	0.0	5.884	0.005	0	0	0	3
PD.3230	PL.22794	A	30T	7.36Y	122.7	0.00	2.31	1.74	0	12	4	95	0.00	0.0	5.884	0.005	0	0	0	3
PL.22795	PD.3230	A	6 A (CWC)	7.36Y	122.7	0.01	2.32	1.74	1	12	4	95	0.00	0.0	5.993	0.109	0	0	0	3
PL.22583	PL.22795	A	6 A (CWC)	7.36Y	122.7	0.01	2.33	1.74	1	12	4	95	0.00	0.0	6.115	0.122	9	3	1	3
PL.22393	PL.22583	A	6 A (CWC)	7.36Y	122.7	0.00	2.33	0.48	0	3	1	95	0.00	0.0	6.245	0.130	3	1	1	1
PL.22584	PL.22583	A	6 A (CWC)	7.36Y	122.7	0.00	2.33	0.00	0	0	0	100	0.00	0.0	6.263	0.148	0	0	0	1
PL.21992	PL.22584	A	6 A (CWC)	7.36Y	122.7	0.00	2.33	0.00	0	0	0	100	0.00	0.0	6.450	0.187	0	0	0	1
PL.21993	PL.21992	A	6 A (CWC)	7.36Y	122.7	0.00	2.33	0.00	0	0	0	100	0.00	0.0	6.534	0.084	0	0	0	1
PL.22006	PL.21993	A	6 A (CWC)	7.36Y	122.7	0.00	2.33	0.00	0	0	0	100	0.00	0.0	6.658	0.124	0	0	0	1
PL.22394	PL.22006	A	6 A (CWC)	7.36Y	122.7	0.00	2.33	0.00	0	0	0	100	0.00	0.0	6.779	0.121	0	0	0	0
PL.22007	PL.22394	A	6 A (CWC)	7.36Y	122.7	0.00	2.33	0.00	0	0	0	100	0.00	0.0	6.856	0.077	0	0	0	0
PL.21994	PL.22007	A	6 A (CWC)	7.36Y	122.7	0.00	2.33	0.00	0	0	0	100	0.00	0.0	6.980	0.124	0	0	0	0
PL.22516	PL.22006	A	6 A (CWC)	7.36Y	122.7	0.00	2.33	0.00	0	0	0	100	0.00	0.0	6.769	0.111	0	0	1	1
PL.22388	PL.22579	B	#4 ACSR	7.36Y	122.7	0.03	2.26	8.11	6	57	17	96	0.01	0.0	5.570	0.098	12	4	2	11
PL.22790	PL.22388	B	6 A (CWC)	7.36Y	122.7	0.00	2.26	5.35	4	38	11	96	0.00	0.0	5.578	0.008	0	0	0	8
PD.3228	PL.22790	B	30T	7.36Y	122.7	0.00	2.26	5.35	0	38	11	96	0.00	0.0	5.578	0.008	0	0	0	8
PL.22791	PD.3228	B	6 A (CWC)	7.36Y	122.7	0.02	2.28	5.35	4	38	11	96	0.01	0.0	5.652	0.074	0	0	0	8
PL.22514	PL.22791	B	6 A (CWC)	7.36Y	122.7	0.00	2.28	3.94	3	28	8	96	0.00	0.0	5.668	0.016	3	1	1	7
PL.22575	PL.22514	B	6 A (CWC)	7.36Y	122.7	0.02	2.30	3.56	3	25	8	95	0.00	0.0	5.788	0.120	6	2	1	6
PL.22392	PL.22575	B	6 A (CWC)	7.36Y	122.7	0.01	2.31	2.18	2	15	5	95	0.00	0.0	5.928	0.140	0	0	0	3
PL.22387	PL.22392	B	#4 ACSR	7.36Y	122.7	0.00	2.32	1.70	1	12	4	95	0.00	0.0	6.056	0.128	12	4	2	2
PL.22515	PL.22392	B	6 A (CWC)	7.36Y	122.7	0.00	2.32	0.48	0	3	1	95	0.00	0.0	6.028	0.100	0	0	0	1
PL.21991	PL.22515	B	6 A (CWC)	7.36Y	122.7	0.00	2.32	0.48	0	3	1	95	0.00	0.0	6.122	0.094	3	1	1	1
PL.22705	PL.22575	B	6 A (CWC)	7.36Y	122.7	0.00	2.30	0.50	0	4	1	97	0.00	0.0	5.873	0.086	0	0	0	2
PL.22706	PL.22705	B	6 A (CWC)	7.36Y	122.7	0.00	2.30	0.50	0	4	1	97	0.00	0.0	6.002	0.129	0	0	0	2
PL.22703	PL.22706	B	6 A (CWC)	7.36Y	122.7	0.00	2.31	0.50	0	4	1	97	0.00	0.0	6.113	0.110	0	0	1	2
PL.22704	PL.22703	B	6 A (CWC)	7.36Y	122.7	0.00	2.31	0.45	0	3	1	95	0.00	0.0	6.185	0.073	3	1	1	1

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Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.22391	PL.22791	B	#1/0 ACSR	7.36Y	122.7	0.00	2.28	1.41	1	10	3	96	0.00	0.0	5.683	0.032	10	3	1	1
PL.22577	PL.22388	B	6 A (CWC)	7.36Y	122.7	0.00	2.26	1.07	1	8	2	97	0.00	0.0	5.640	0.070	0	0	0	1
PL.22390	PL.22577	B	#4 ACSR	7.36Y	122.7	0.00	2.26	1.07	1	8	2	97	0.00	0.0	5.717	0.078	8	2	1	1
PL.22578	PL.22577	B	6 A (CWC)	7.36Y	122.7	0.00	2.26	0.00	0	0	0	100	0.00	0.0	5.686	0.046	0	0	0	0
PL.22788	PL.22507	A	#4 ACSR	7.37Y	122.8	0.00	2.21	0.40	0	3	1	95	0.00	0.0	5.401	0.005	0	0	0	1
PD.3227	PL.22788	A	30T	7.37Y	122.8	0.00	2.21	0.40	0	3	1	95	0.00	0.0	5.401	0.005	0	0	0	1
PL.22789	PD.3227	A	#4 ACSR	7.37Y	122.8	0.00	2.21	0.40	0	3	1	95	0.00	0.0	5.517	0.116	3	1	1	1
PL.22389	PL.22507	A	#4 ACSR	7.37Y	122.8	0.00	2.21	0.00	0	0	0	100	0.00	0.0	5.440	0.043	0	0	0	0
PL.22383	PL.22563	B	6 A (CWC)	7.35Y	122.6	0.28	2.45	51.58	37	363	114	95	0.77	0.2	5.370	0.119	0	0	0	94
PL.22564	PL.22383	B	6 A (CWC)	7.33Y	122.2	0.31	2.76	51.58	37	362	113	95	0.84	0.2	5.500	0.130	0	0	1	94
PL.22385	PL.22564	B	6 A (CWC)	7.33Y	122.2	0.01	2.76	51.58	37	361	113	95	0.02	0.0	5.503	0.003	0	0	0	93
C PD.3245	PL.22385	B	50L	7.33Y	122.2	0.00	2.76	51.58	103	361	113	95	0.00	0.0	5.503	0.003	0	0	0	93 C
PL.22508	PD.3245	B	6 A (CWC)	7.31Y	121.8	0.44	3.20	51.58	37	361	113	95	1.20	0.3	5.687	0.185	0	0	0	93
PL.21985	PL.22508	B	6 A (CWC)	7.29Y	121.5	0.31	3.51	51.58	37	360	112	95	0.83	0.2	5.816	0.128	0	0	0	93
PL.22008	PL.21985	B	6 A (CWC)	7.28Y	121.3	0.16	3.67	51.58	37	359	111	96	0.43	0.1	5.883	0.067	0	0	0	93
PL.21986	PL.22008	B	6 A (CWC)	7.26Y	121.0	0.37	4.04	51.58	37	359	111	96	1.00	0.3	6.037	0.154	0	0	0	93
PL.22573	PL.21986	B	6 A (CWC)	7.23Y	120.6	0.39	4.42	51.58	37	358	111	96	1.05	0.3	6.200	0.162	1	0	1	93
PL.22426	PL.22573	B	#4 ACSR	7.23Y	120.6	0.01	4.43	5.21	4	36	11	96	0.00	0.0	6.246	0.046	0	0	0	5
PL.22635	PL.22426	B	#4 ACSR	7.23Y	120.6	0.01	4.44	4.27	3	30	9	96	0.00	0.0	6.328	0.082	16	5	2	4
PL.22636	PL.22635	B	#4 ACSR	7.23Y	120.6	0.00	4.45	2.01	2	14	4	96	0.00	0.0	6.377	0.049	2	1	1	2
PL.22428	PL.22636	B	#2 ACSR	7.23Y	120.5	0.00	4.45	1.72	1	12	4	95	0.00	0.0	6.491	0.114	12	4	1	1
PL.22427	PL.22426	B	#4 ACSR	7.23Y	120.6	0.00	4.43	0.94	1	7	2	96	0.00	0.0	6.315	0.070	7	2	1	1
PL.22574	PL.22573	B	6 A (CWC)	7.22Y	120.3	0.26	4.68	46.25	33	320	99	96	0.64	0.2	6.323	0.124	0	0	0	87
PL.22632	PL.22574	B	6 A (CWC)	7.19Y	119.9	0.40	5.09	46.25	33	319	98	96	0.97	0.3	6.513	0.190	6	2	1	87
PL.22633	PL.22632	B	6 A (CWC)	7.19Y	119.9	0.05	5.14	45.43	32	312	96	96	0.13	0.0	6.538	0.025	0	0	0	86
PL.22634	PL.22633	B	6 A (CWC)	7.17Y	119.6	0.28	5.42	45.43	32	312	96	96	0.68	0.2	6.673	0.135	0	0	0	86
PL.21987	PL.22634	B	6 A (CWC)	7.16Y	119.4	0.18	5.60	45.43	32	312	95	96	0.43	0.1	6.760	0.087	0	0	0	86
PL.22806	PL.21987	B	6 A (CWC)	7.16Y	119.4	0.00	5.61	12.32	9	84	26	96	0.00	0.0	6.764	0.004	0	0	0	22
PD.3236	PL.22806	B	30T	7.16Y	119.4	0.00	5.61	12.32	0	84	26	96	0.00	0.0	6.764	0.004	0	0	0	22
PL.22807	PD.3236	B	6 A (CWC)	7.16Y	119.3	0.06	5.66	12.32	9	84	26	96	0.04	0.0	6.864	0.100	0	0	0	22
PL.22009	PL.22807	B	6 A (CWC)	7.16Y	119.3	0.07	5.73	12.32	9	84	26	96	0.04	0.1	6.986	0.121	0	0	0	22

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.21988	PL.22009	B	6 A (CWC)	7.15Y	119.2	0.04	5.78	12.32	9	84	26	96	0.03	0.0	7.064	0.078	0	0	0	22
PL.21989	PL.21988	B	6 A (CWC)	7.15Y	119.2	0.07	5.84	12.32	9	84	26	96	0.04	0.1	7.182	0.118	0	0	0	22
PL.22429	PL.21989	B	6 A (CWC)	7.15Y	119.2	0.00	5.85	1.76	1	12	4	95	0.00	0.0	7.270	0.088	12	4	3	3
PL.22015	PL.21989	B	6 A (CWC)	7.15Y	119.1	0.06	5.90	10.56	8	72	22	96	0.03	0.0	7.305	0.124	4	1	2	19
PL.22693	PL.22015	B	6 A (CWC)	7.15Y	119.1	0.00	5.90	0.01	0	0	0	100	0.00	0.0	7.395	0.089	0	0	1	1
PL.22694	PL.22693	B	6 A (CWC)	7.15Y	119.1	0.00	5.90	0.00	0	0	0	100	0.00	0.0	7.535	0.140	0	0	0	0
PL.22016	PL.22015	B	6 A (CWC)	7.14Y	119.1	0.05	5.95	9.84	7	67	20	96	0.02	0.0	7.409	0.103	5	2	4	15
PL.22431	PL.22016	B	6 A (CWC)	7.14Y	119.0	0.02	5.96	9.09	6	62	19	96	0.01	0.0	7.452	0.043	0	0	0	11
PL.22510	PL.22431	B	6 A (CWC)	7.14Y	119.0	0.00	5.96	0.69	0	5	1	98	0.00	0.0	7.518	0.066	5	1	1	1
PL.22432	PL.22431	B	6 A (CWC)	7.14Y	119.0	0.05	6.01	8.39	6	57	17	96	0.02	0.0	7.583	0.131	0	0	0	10
PL.66260	PL.22432	B	#1/0 ACSR	7.14Y	119.0	0.00	6.01	0.00	0	0	0	100	0.00	0.0	7.624	0.041	0	0	0	0
PL.22433	PL.22432	B	6 A (CWC)	7.14Y	119.0	0.02	6.03	8.39	6	57	17	96	0.01	0.0	7.634	0.051	10	3	3	10
PL.22435	PL.22433	B	6 A (CWC)	7.14Y	119.0	0.01	6.04	3.31	2	23	7	96	0.00	0.0	7.714	0.080	8	3	1	3
PL.22437	PL.22435	B	#4 ACSR	7.14Y	119.0	0.01	6.05	2.09	2	14	4	96	0.00	0.0	7.774	0.060	0	0	0	2
PL.22697	PL.22437	B	#2 ACSR	7.14Y	119.0	0.00	6.05	0.36	0	2	1	89	0.00	0.0	7.871	0.097	2	1	1	1
PL.22698	PL.22697	B	#2 ACSR	7.14Y	119.0	0.00	6.05	0.00	0	0	0	100	0.00	0.0	8.019	0.149	0	0	0	0
PL.22436	PL.22437	B	#2 ACSR	7.14Y	119.0	0.00	6.05	1.73	1	12	4	95	0.00	0.0	7.809	0.035	12	4	1	1
PL.22013	PL.22433	B	6 A (CWC)	7.14Y	119.0	0.01	6.04	2.75	2	19	6	95	0.00	0.0	7.740	0.106	7	2	1	3
PL.22438	PL.22013	B	#4 ACSR	7.14Y	119.0	0.00	6.04	1.22	1	8	3	94	0.00	0.0	7.778	0.038	8	3	1	1
PL.22014	PL.22013	B	6 A (CWC)	7.14Y	119.0	0.00	6.04	0.57	0	4	1	97	0.00	0.0	7.818	0.078	4	1	1	1
PL.22434	PL.22433	B	#4 ACSR	7.14Y	119.0	0.00	6.03	0.90	1	6	2	95	0.00	0.0	7.669	0.035	6	2	1	1
PL.22430	PL.22015	B	6 A (CWC)	7.15Y	119.1	0.00	5.90	0.05	0	0	0	100	0.00	0.0	7.409	0.103	0	0	1	1
PL.22758	PL.21987	B	6 A (CWC)	7.16Y	119.4	0.01	5.61	33.11	24	227	69	96	0.01	0.0	6.764	0.005	0	0	0	64
PD.3212	PL.22758	B	20T	7.16Y	119.4	0.00	5.61	33.11	0	227	69	96	0.00	0.0	6.764	0.005	0	0	0	64
PL.22759	PD.3212	B	6 A (CWC)	7.15Y	119.2	0.15	5.76	33.11	24	227	69	96	0.27	0.1	6.865	0.101	0	0	0	64
PL.22021	PL.22759	B	6 A (CWC)	7.15Y	119.1	0.13	5.90	33.11	24	227	69	96	0.23	0.1	6.954	0.089	10	3	1	64
PL.22022	PL.22021	B	6 A (CWC)	7.13Y	118.9	0.19	6.09	29.44	21	201	62	96	0.30	0.1	7.095	0.141	0	0	0	59
PL.22565	PL.22022	B	6 A (CWC)	7.12Y	118.7	0.17	6.26	28.81	21	197	60	96	0.26	0.1	7.223	0.128	1	0	2	57
PL.22566	PL.22565	B	6 A (CWC)	7.12Y	118.6	0.09	6.35	18.94	14	129	39	96	0.09	0.1	7.330	0.108	0	0	0	37
PL.21990	PL.22566	B	6 A (CWC)	7.11Y	118.6	0.07	6.42	18.94	14	129	39	96	0.07	0.1	7.415	0.085	0	0	0	37
PL.22456	PL.21990	B	6 A (CWC)	7.11Y	118.5	0.09	6.51	18.36	13	125	38	96	0.08	0.1	7.517	0.102	0	0	0	36

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Balanced Voltage Drop Report
Source: Hargett

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----			
																KW	KVAR	Cons On	Cons Thru	

PL.22023	PL.22456	B	6 A (CWC)	7.10Y	118.4	0.09	6.60	13.37	10	91	28	96	0.07	0.1	7.671	0.154	3	1	1	28
PL.22467	PL.22023	B	6 A (CWC)	7.10Y	118.4	0.00	6.61	0.47	0	3	1	95	0.00	0.0	7.741	0.070	3	1	1	1
PL.22024	PL.22023	B	6 A (CWC)	7.10Y	118.3	0.09	6.69	12.45	9	85	26	96	0.06	0.1	7.822	0.151	0	0	0	26
PL.22468	PL.22024	B	#4 ACSR	7.10Y	118.3	0.00	6.69	1.05	1	7	2	96	0.00	0.0	7.884	0.062	7	2	2	2
PL.22740	PL.22024	B	6 A (CWC)	7.10Y	118.3	0.04	6.73	11.40	8	77	24	95	0.03	0.0	7.909	0.088	8	3	4	24
PL.22741	PL.22740	B	6 A (CWC)	7.09Y	118.2	0.05	6.79	10.15	7	69	21	96	0.03	0.0	8.024	0.115	6	2	2	20
PL.22470	PL.22741	B	6 A (CWC)	7.09Y	118.2	0.00	6.79	0.58	0	4	1	97	0.00	0.0	8.086	0.062	4	1	1	1
PL.22469	PL.22741	B	#1/0 ACSR	7.09Y	118.2	0.00	6.79	0.00	0	0	0	100	0.00	0.0	8.070	0.046	0	0	0	0
PL.22025	PL.22741	B	6 A (CWC)	7.09Y	118.2	0.03	6.81	8.72	6	59	18	96	0.01	0.0	8.097	0.073	2	1	2	17
PL.22026	PL.22025	B	6 A (CWC)	7.09Y	118.1	0.04	6.85	7.65	5	52	16	96	0.01	0.0	8.229	0.132	18	5	2	12
PL.22742	PL.22026	B	6 A (CWC)	7.09Y	118.1	0.01	6.86	2.95	2	20	6	96	0.00	0.0	8.303	0.074	9	3	1	6
PL.22743	PL.22742	B	6 A (CWC)	7.09Y	118.1	0.00	6.86	1.55	1	11	3	96	0.00	0.0	8.352	0.049	2	1	1	5
PL.22475	PL.22743	B	6 A (CWC)	7.09Y	118.1	0.00	6.87	1.30	1	9	3	95	0.00	0.0	8.378	0.026	5	1	3	4
PL.22476	PL.22475	B	#1/0 ACSR	7.09Y	118.1	0.00	6.87	0.62	0	4	1	97	0.00	0.0	8.441	0.063	4	1	1	1
PL.22477	PL.22476	B	#1/0 ACSR	7.09Y	118.1	0.00	6.87	0.00	0	0	0	100	0.00	0.0	8.514	0.073	0	0	0	0
PL.22473	PL.22026	B	6 A (CWC)	7.09Y	118.1	0.00	6.86	2.10	2	14	4	96	0.00	0.0	8.273	0.045	0	0	0	4
PL.22513	PL.22473	B	6 A (CWC)	7.09Y	118.1	0.00	6.86	1.82	1	12	4	95	0.00	0.0	8.322	0.049	12	4	3	3
PL.22474	PL.22473	B	#1/0 ACSR	7.09Y	118.1	0.00	6.86	0.29	0	2	1	89	0.00	0.0	8.329	0.056	2	1	1	1
PL.22027	PL.22025	B	6 A (CWC)	7.09Y	118.2	0.00	6.81	0.00	0	0	0	100	0.00	0.0	8.114	0.017	0	0	0	0
PL.22472	PL.22027	B	6 A (CWC)	7.09Y	118.2	0.00	6.81	0.00	0	0	0	100	0.00	0.0	8.212	0.098	0	0	0	0
PL.22481	PL.22472	B	#4 ACSR	7.09Y	118.2	0.00	6.81	0.00	0	0	0	100	0.00	0.0	8.239	0.027	0	0	0	0
PL.22028	PL.22027	B	6 A (CWC)	7.09Y	118.2	0.00	6.81	0.00	0	0	0	100	0.00	0.0	8.175	0.061	0	0	0	0
PL.22480	PL.22028	B	#4 ACSR	7.09Y	118.2	0.00	6.81	0.00	0	0	0	100	0.00	0.0	8.271	0.095	0	0	0	0
PL.22471	PL.22025	B	#4 ACSR	7.09Y	118.2	0.00	6.82	0.79	1	5	2	93	0.00	0.0	8.164	0.067	1	0	1	3
PL.22483	PL.22471	B	#2 ACSR	7.09Y	118.2	0.00	6.82	0.65	0	4	1	97	0.00	0.0	8.247	0.084	4	1	2	2
PL.22484	PL.22483	B	#2 ACSR	7.09Y	118.2	0.00	6.82	0.00	0	0	0	100	0.00	0.0	8.288	0.041	0	0	0	0
PL.22458	PL.22456	B	6 A (CWC)	7.11Y	118.5	0.03	6.54	5.00	4	34	10	96	0.01	0.0	7.683	0.166	8	2	1	8
PL.22738	PL.22458	B	#4 ACSR	7.11Y	118.5	0.00	6.54	0.22	0	1	0	100	0.00	0.0	7.699	0.015	0	0	1	2
PL.22739	PL.22738	B	#4 ACSR	7.11Y	118.5	0.00	6.55	0.21	0	1	0	100	0.00	0.0	7.774	0.075	1	0	1	1
PL.22460	PL.22458	B	#1/0 ACSR	7.11Y	118.5	0.00	6.55	0.88	0	6	2	95	0.00	0.0	7.757	0.074	6	2	1	1
PL.22459	PL.22458	B	#4 ACSR	7.11Y	118.5	0.00	6.55	2.73	2	19	6	95	0.00	0.0	7.706	0.023	0	0	0	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	Length (mi)	-----Element-----		Cons On	Cons Thru

PL.22569	PL.22459	B	#4 ACSR	7.11Y	118.4	0.01	6.56	2.73	2	19	6	95	0.00	0.0	7.817	0.112	9	3	1	4
PL.22570	PL.22569	B	#4 ACSR	7.11Y	118.4	0.00	6.56	0.08	0	1	0	100	0.00	0.0	7.889	0.072	1	0	1	1
PL.22457	PL.22569	B	#4 ACSR	7.11Y	118.4	0.00	6.56	1.40	1	9	3	95	0.00	0.0	7.883	0.065	9	3	2	2
PL.22455	PL.21990	B	#1/0 ACSR	7.11Y	118.6	0.00	6.43	0.58	0	4	1	97	0.00	0.0	7.472	0.057	4	1	1	1
PL.22628	PL.22565	B	#4 ACSR	7.12Y	118.7	0.02	6.28	9.73	7	66	20	96	0.01	0.0	7.277	0.054	8	3	1	18
PL.22629	PL.22628	B	#4 ACSR	7.12Y	118.7	0.06	6.34	8.50	7	58	18	96	0.03	0.0	7.434	0.157	0	0	1	17
PL.22445	PL.22629	B	#4 ACSR	7.12Y	118.7	0.00	6.34	0.18	0	1	0	100	0.00	0.0	7.455	0.021	1	0	1	1
PL.22624	PL.22629	B	#4 ACSR	7.12Y	118.6	0.03	6.37	8.26	6	56	17	96	0.01	0.0	7.509	0.075	1	0	1	15
PL.22625	PL.22624	B	#4 ACSR	7.12Y	118.6	0.04	6.40	8.09	6	55	17	96	0.02	0.0	7.615	0.106	1	0	1	14
PL.22447	PL.22625	B	#2 ACSR	7.12Y	118.6	0.00	6.41	2.07	1	14	4	96	0.00	0.0	7.664	0.049	0	0	0	5
PL.22446	PL.22447	B	#4 ACSR	7.12Y	118.6	0.00	6.41	2.07	2	14	4	96	0.00	0.0	7.697	0.033	5	2	1	5
PL.22449	PL.22446	B	#1/0 ACSR	7.12Y	118.6	0.00	6.41	1.29	1	9	3	95	0.00	0.0	7.806	0.108	0	0	0	4
PL.22611	PL.22449	B	#1/0 ACSR	7.12Y	118.6	0.00	6.42	1.13	0	8	2	97	0.00	0.0	7.873	0.068	0	0	1	3
PL.22612	PL.22611	B	#1/0 ACSR	7.12Y	118.6	0.00	6.42	1.13	0	8	2	97	0.00	0.0	7.917	0.044	8	2	2	2
PL.22448	PL.22449	B	#1/0 ACSR	7.12Y	118.6	0.00	6.41	0.17	0	1	0	100	0.00	0.0	7.850	0.044	1	0	1	1
PL.22626	PL.22625	B	#4 ACSR	7.11Y	118.6	0.03	6.44	5.82	4	40	12	96	0.01	0.0	7.736	0.121	1	0	1	8
PL.22627	PL.22626	B	#4 ACSR	7.11Y	118.5	0.03	6.47	5.60	4	38	12	95	0.01	0.0	7.871	0.135	6	2	1	7
PL.22017	PL.22627	B	#4 ACSR	7.11Y	118.5	0.00	6.47	3.92	3	27	8	96	0.00	0.0	7.886	0.015	0	0	0	5
PL.22511	PL.22017	B	#4 ACSR	7.11Y	118.5	0.00	6.47	0.96	1	7	2	96	0.00	0.0	7.969	0.084	7	2	1	1
PL.22451	PL.22017	B	#2 ACSR	7.11Y	118.5	0.01	6.48	2.96	2	20	6	96	0.00	0.0	7.996	0.111	0	0	0	4
PL.22452	PL.22451	B	#2 ACSR	7.11Y	118.5	0.00	6.48	0.62	0	4	1	97	0.00	0.0	8.035	0.038	4	1	1	1
PL.22512	PL.22451	B	#2 ACSR	7.11Y	118.5	0.00	6.48	2.34	1	16	5	95	0.00	0.0	8.026	0.030	0	0	0	3
PL.22453	PL.22512	B	#2 ACSR	7.11Y	118.5	0.00	6.48	1.50	1	10	3	96	0.00	0.0	8.088	0.062	10	3	1	1
PL.22613	PL.22512	B	#1/0 ACSR	7.11Y	118.5	0.00	6.48	0.39	0	3	1	95	0.00	0.0	8.141	0.115	3	1	1	1
PL.22614	PL.22613	B	#1/0 ACSR	7.11Y	118.5	0.00	6.48	0.00	0	0	0	100	0.00	0.0	8.260	0.119	0	0	0	0
PL.22454	PL.22512	B	#2 ACSR	7.11Y	118.5	0.00	6.48	0.45	0	3	1	95	0.00	0.0	8.067	0.041	3	1	1	1
PL.22450	PL.22627	B	#4 ACSR	7.11Y	118.5	0.00	6.47	0.73	1	5	2	93	0.00	0.0	7.899	0.029	5	2	1	1
PL.22444	PL.22022	B	6 A (CWC)	7.13Y	118.9	0.00	6.09	0.63	0	4	1	97	0.00	0.0	7.147	0.052	4	1	2	2
PL.22439	PL.22021	B	6 A (CWC)	7.15Y	119.1	0.01	5.90	2.23	2	15	5	95	0.00	0.0	7.011	0.057	0	0	0	4
PL.22443	PL.22439	B	#4 ACSR	7.15Y	119.1	0.01	5.92	2.23	2	15	5	95	0.00	0.0	7.135	0.124	0	0	0	4
PL.22440	PL.22443	B	#2 ACSR	7.15Y	119.1	0.00	5.92	0.36	0	2	1	89	0.00	0.0	7.195	0.061	2	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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.22441	PL.22443	B	#2 ACSR	7.15Y	119.1	0.00	5.92	0.00	0	0	0	100	0.00	0.0	7.286	0.151	0	0	1	1
PL.22630	PL.22443	B	#2 ACSR	7.14Y	119.1	0.00	5.92	1.87	1	13	4	96	0.00	0.0	7.194	0.060	5	1	1	2
PL.22631	PL.22630	B	#2 ACSR	7.14Y	119.1	0.00	5.92	1.15	1	8	2	97	0.00	0.0	7.240	0.046	8	2	1	1
PL.22384	PD.3245	B	6 A (CWC)	7.33Y	122.2	0.00	2.76	0.00	0	0	0	100	0.00	0.0	5.610	0.108	0	0	0	0
PL.22509	PL.22384	B	6 A (CWC)	7.33Y	122.2	0.00	2.76	0.00	0	0	0	100	0.00	0.0	5.780	0.170	0	0	0	0
PL.21984	PL.22509	B	6 A (CWC)	7.33Y	122.2	0.00	2.76	0.00	0	0	0	100	0.00	0.0	5.909	0.129	0	0	0	0
PL.22386	PL.22384	B	6 A (CWC)	7.33Y	122.2	0.00	2.76	0.00	0	0	0	100	0.00	0.0	5.708	0.098	0	0	0	0
PL.22770	PL.22837	C	6 A (CWC)	7.39Y	123.2	0.00	1.80	0.04	0	0	0	100	0.00	0.0	4.650	0.005	0	0	0	1
PD.3218	PL.22770	C	30T	7.39Y	123.2	0.00	1.80	0.04	0	0	0	100	0.00	0.0	4.650	0.005	0	0	0	1
PL.22771	PD.3218	C	6 A (CWC)	7.39Y	123.2	0.00	1.80	0.04	0	0	0	100	0.00	0.0	4.717	0.067	0	0	1	1
CP.34	PL.22836	ABC	Cap (300)	7.40Y	123.3	0.00	1.74	0.00	0	0	0	100	0.00	0.0	4.552	0.067	0	0	0	0
PL.21795	PL.22560	C	#4 ACSR	7.42Y	123.6	0.00	1.38	8.79	7	62	19	96	0.00	0.0	4.078	0.005	0	0	0	10
PD.3217	PL.21795	C	30T	7.42Y	123.6	0.00	1.38	8.79	0	62	19	96	0.00	0.0	4.078	0.005	0	0	0	10
PL.21796	PD.3217	C	6 A (CWC)	7.42Y	123.6	0.03	1.41	6.49	5	46	14	96	0.01	0.0	4.192	0.114	0	0	0	8
PL.22378	PL.21796	C	6 A (CWC)	7.42Y	123.6	0.00	1.42	0.82	1	6	2	95	0.00	0.0	4.244	0.052	6	2	1	1
PL.22504	PL.21796	C	6 A (CWC)	7.41Y	123.6	0.01	1.43	5.67	4	40	12	96	0.00	0.0	4.236	0.045	0	0	0	7
PL.21797	PL.22504	C	#4 ACSR	7.41Y	123.5	0.03	1.45	4.02	3	29	9	96	0.01	0.0	4.388	0.152	0	0	0	6
PL.22585	PL.21797	C	#4 ACSR	7.41Y	123.5	0.01	1.47	4.02	3	29	9	96	0.00	0.0	4.456	0.068	0	0	1	6
PL.22586	PL.22585	C	#4 ACSR	7.41Y	123.5	0.00	1.47	1.92	1	14	4	96	0.00	0.0	4.482	0.026	0	0	0	2
PL.21816	PL.22586	C	#4 ACSR	7.41Y	123.5	0.00	1.47	1.92	1	14	4	96	0.00	0.0	4.555	0.074	14	4	1	2
PL.21817	PL.21816	C	#4 ACSR	7.41Y	123.5	0.00	1.47	0.00	0	0	0	100	0.00	0.0	4.691	0.136	0	0	1	1
PL.22376	PL.22585	C	6 A (CWC)	7.41Y	123.5	0.00	1.47	2.08	1	15	4	97	0.00	0.0	4.502	0.046	0	0	0	3
PL.22505	PL.22376	C	6 A (CWC)	7.41Y	123.5	0.00	1.47	1.08	1	8	2	97	0.00	0.0	4.611	0.109	8	2	2	2
PL.22377	PL.22376	C	#4 ACSR	7.41Y	123.5	0.00	1.47	1.01	1	7	2	96	0.00	0.0	4.645	0.143	7	2	1	1
PL.22379	PL.22504	C	#4 ACSR	7.41Y	123.6	0.01	1.43	1.65	1	12	4	95	0.00	0.0	4.386	0.150	12	4	1	1
PL.21807	PD.3217	C	#4 ACSR	7.42Y	123.6	0.00	1.38	2.30	2	16	5	95	0.00	0.0	4.135	0.057	8	2	1	2
PL.21808	PL.21807	C	#4 ACSR	7.42Y	123.6	0.00	1.39	1.18	1	8	3	94	0.00	0.0	4.307	0.172	8	3	1	1
PL.22603	PL.22497	ABC	336 MCM AC	7.47Y	124.6	0.00	0.43	2.51	0	54	16	96	0.00	0.0	1.613	0.073	0	0	1	14
PL.22604	PL.22603	ABC	336 MCM AC	7.47Y	124.6	0.00	0.43	2.51	0	54	16	96	0.00	0.0	1.674	0.061	4	1	1	13
PL.22746	PL.22604	A	#1/0 ACSR	7.47Y	124.6	0.00	0.43	3.27	1	23	7	96	0.00	0.0	1.678	0.005	0	0	0	6
PD.3206	PL.22746	A	65T	7.47Y	124.6	0.00	0.43	3.27	0	23	7	96	0.00	0.0	1.678	0.005	0	0	0	6

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

Balanced Voltage Drop Report
Source: Hargett

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.22747	PD.3206	A	#1/0 ACSR	7.47Y	124.6	0.00	0.44	3.27	1	23	7	96	0.00	0.0	1.727	0.049	3	1	1	6
PL.22605	PL.22747	A	#1/0 ACSR	7.47Y	124.6	0.00	0.44	2.82	1	20	6	96	0.00	0.0	1.746	0.018	0	0	1	5
PL.21788	PL.22605	A	#2 ACSR	7.47Y	124.6	0.00	0.44	2.81	2	20	6	96	0.00	0.0	1.790	0.045	0	0	0	4
PL.21782	PL.21788	A	#1/0 ACSR	7.47Y	124.6	0.00	0.44	1.46	1	10	3	96	0.00	0.0	1.853	0.063	10	3	2	2
PL.22606	PL.21788	A	#2 ACSR	7.47Y	124.6	0.00	0.45	1.35	1	10	3	96	0.00	0.0	1.928	0.137	6	2	1	2
PL.22607	PL.22606	A	#2 ACSR	7.47Y	124.6	0.00	0.45	0.50	0	4	1	97	0.00	0.0	1.945	0.018	0	0	0	1
PL.21789	PL.22607	A	#1/0 ACSR	7.47Y	124.6	0.00	0.45	0.50	0	4	1	97	0.00	0.0	2.003	0.058	4	1	1	1
PL.22020	PL.22604	ABC	336 MCM AC	7.47Y	124.6	0.00	0.43	1.23	0	26	8	96	0.00	0.0	1.722	0.048	1	0	1	6
PL.22748	PL.22020	C	#4 ACSR	7.47Y	124.6	0.00	0.43	2.59	2	18	6	95	0.00	0.0	1.727	0.005	0	0	0	4
PD.3207	PL.22748	C	65T	7.47Y	124.6	0.00	0.43	2.59	0	18	6	95	0.00	0.0	1.727	0.005	0	0	0	4
PL.22749	PD.3207	C	#4 ACSR	7.47Y	124.6	0.01	0.44	2.59	2	18	6	95	0.00	0.0	1.787	0.060	5	1	1	4
PL.21783	PL.22749	C	#4 ACSR	7.47Y	124.6	0.00	0.44	1.03	1	7	2	96	0.00	0.0	1.851	0.065	7	2	1	1
PL.21790	PL.22749	C	#1/0 ACSR	7.47Y	124.6	0.00	0.44	0.93	0	7	2	96	0.00	0.0	1.818	0.031	7	2	2	2
PL.22019	PL.22020	ABC	336 MCM AC	7.47Y	124.6	0.00	0.43	0.31	0	7	2	96	0.00	0.0	1.728	0.006	0	0	0	1
PL.22750	PL.22019	A	#2 ACSR	7.47Y	124.6	0.00	0.43	0.94	1	7	2	96	0.00	0.0	1.732	0.005	0	0	0	1
PD.3208	PL.22750	A	65T	7.47Y	124.6	0.00	0.43	0.94	0	7	2	96	0.00	0.0	1.732	0.005	0	0	0	1
PL.22751	PD.3208	A	#2 ACSR	7.47Y	124.6	0.00	0.43	0.94	1	7	2	96	0.00	0.0	1.742	0.010	7	2	1	1
PL.22818	PL.22019	ABC	336 MCM AC	7.47Y	124.6	0.00	0.43	0.00	0	0	0	100	0.00	0.0	1.801	0.073	0	0	0	0
PD.3242-A	PL.22818	ABC	Open	7.47Y	124.6	0.00	0.43	0.00	0	0	0	100	0.00	0.0	1.801	0.073	0	0	0	0
PL.25699	Hargett	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	65.10	13	1394	449	95	0.00	0.0	0.005	0.005	0	0	0	331
PL.72938	PL.25699	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	65.10	13	1394	449	95	0.00	0.0	0.009	0.004	0	0	0	331

----- Feeder No. 4 (Ivory Hill F4) Beginning with Device PD.11205 -----

PD.11205	PL.72938	ABC	360VWE	7.50Y	125.0	0.00	0.00	65.10	0	1394	449	95	0.00	0.0	0.009	0.004	0	0	0	331
PL.25700	PD.11205	ABC	397 SPACER	7.50Y	125.0	0.02	0.02	65.10	13	1394	449	95	0.04	0.0	0.079	0.070	0	0	0	331
PL.24773	PL.25700	ABC	397 SPACER	7.50Y	125.0	0.03	0.04	65.10	13	1394	449	95	0.07	0.0	0.203	0.125	0	0	0	331
PL.24774	PL.24773	ABC	397 SPACER	7.50Y	124.9	0.03	0.07	65.10	13	1394	448	95	0.06	0.0	0.319	0.116	0	0	0	331
PL.24775	PL.24774	ABC	397 SPACER	7.49Y	124.9	0.03	0.10	65.10	13	1394	447	95	0.08	0.0	0.464	0.145	0	0	0	331
PL.24776	PL.24775	ABC	397 SPACER	7.49Y	124.9	0.03	0.13	65.10	13	1394	446	95	0.07	0.0	0.590	0.126	0	0	0	331
PL.24777	PL.24776	ABC	397 SPACER	7.49Y	124.8	0.03	0.16	65.10	13	1394	445	95	0.07	0.0	0.713	0.123	0	0	0	331

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru

PL.24778	PL.24777	ABC	397 SPACER	7.49Y	124.8	0.03	0.19	65.10	13	1394	445	95	0.08	0.0	0.851	0.138	0	0	0	331
PL.24779	PL.24778	ABC	397 SPACER	7.49Y	124.8	0.02	0.21	65.10	13	1394	444	95	0.06	0.0	0.958	0.107	0	0	0	331
PL.24780	PL.24779	ABC	397 SPACER	7.49Y	124.8	0.03	0.24	65.10	13	1394	443	95	0.08	0.0	1.100	0.141	0	0	0	331
PL.24781	PL.24780	ABC	397 SPACER	7.48Y	124.7	0.02	0.26	65.10	13	1394	442	95	0.06	0.0	1.212	0.113	0	0	0	331
PL.24735	PL.24781	ABC	336 MCM AC	7.48Y	124.7	0.02	0.29	65.10	13	1393	441	95	0.17	0.0	1.261	0.048	0	0	0	331
PL.24664	PL.24735	C	#4 ACSR	7.48Y	124.7	0.00	0.29	1.55	1	11	3	96	0.00	0.0	1.297	0.036	0	0	0	1
PD.3477	PL.24664	C	65T	7.48Y	124.7	0.00	0.29	1.55	0	11	3	96	0.00	0.0	1.297	0.036	0	0	0	1
PL.24665	PD.3477	C	#4 ACSR	7.48Y	124.7	0.00	0.29	1.55	1	11	3	96	0.00	0.0	1.349	0.052	11	3	1	1
PL.24528	PL.24735	ABC	336 MCM AC	7.48Y	124.6	0.06	0.35	64.58	12	1382	437	95	0.45	0.0	1.390	0.129	0	0	0	330
PL.24782	PL.24528	ABC	336 MCM AC	7.47Y	124.6	0.07	0.42	64.58	12	1382	436	95	0.48	0.0	1.525	0.136	0	0	0	330
PL.24783	PL.24782	ABC	336 MCM AC	7.47Y	124.5	0.06	0.48	64.58	12	1381	435	95	0.43	0.0	1.647	0.122	0	0	0	330
PL.24529	PL.24783	ABC	336 MCM AC	7.47Y	124.5	0.00	0.48	0.00	0	0	0	100	0.00	0.0	1.708	0.061	0	0	0	0
PL.22819	PL.24529	ABC	336 MCM AC	7.47Y	124.5	0.00	0.48	0.00	0	0	0	100	0.00	0.0	1.713	0.005	0	0	0	0
PD.3242-B	PL.22819	ABC	Open	7.47Y	124.5	0.00	0.48	0.00	0	0	0	100	0.00	0.0	1.713	0.005	0	0	0	0
PL.24736	PL.24783	ABC	336 MCM AC	7.47Y	124.5	0.04	0.52	64.43	12	1378	433	95	0.27	0.0	1.724	0.077	0	0	0	327
PL.24674	PL.24736	C	#1/0 ACSR	7.47Y	124.5	0.00	0.52	19.36	8	138	42	96	0.00	0.0	1.729	0.005	0	0	0	12
PD.3482	PL.24674	C	65T	7.47Y	124.5	0.00	0.52	19.36	0	138	42	96	0.00	0.0	1.729	0.005	0	0	0	12
PL.24675	PD.3482	C	#1/0 ACSR	7.47Y	124.5	0.02	0.54	19.36	8	138	42	96	0.02	0.0	1.779	0.050	17	5	2	12
PL.24854	PL.24675	C	#1/0 ACSR	7.47Y	124.5	0.01	0.55	4.43	2	32	10	95	0.00	0.0	1.834	0.055	0	0	0	6
PL.24532	PL.24854	C	#1/0 ACSR	7.47Y	124.5	0.00	0.55	0.87	0	6	2	95	0.00	0.0	1.852	0.018	6	2	2	2
PL.24867	PL.24854	C	#1/0 ACSR	7.47Y	124.4	0.00	0.55	3.56	2	25	8	95	0.00	0.0	1.875	0.041	7	2	1	4
PL.24868	PL.24867	C	#1/0 ACSR	7.47Y	124.4	0.00	0.55	2.57	1	18	6	95	0.00	0.0	1.930	0.055	12	4	1	3
PL.24853	PL.24868	C	#1/0 ACSR	7.47Y	124.4	0.00	0.55	0.00	0	0	0	100	0.00	0.0	1.993	0.063	0	0	1	1
PL.24533	PL.24868	C	#1/0 ACSR	7.47Y	124.4	0.00	0.56	0.86	0	6	2	95	0.00	0.0	1.971	0.042	6	2	1	1
PL.24530	PL.24675	C	#1/0 ACSR	7.47Y	124.5	0.00	0.54	1.12	0	8	2	97	0.00	0.0	1.852	0.073	8	2	1	1
PL.24531	PL.24675	C	#1/0 ACSR	7.47Y	124.5	0.00	0.55	11.38	5	81	25	96	0.00	0.0	1.811	0.032	81	25	3	3
PL.24869	PL.24736	ABC	336 MCM AC	7.47Y	124.4	0.06	0.58	57.98	11	1239	391	95	0.37	0.0	1.856	0.132	4	1	2	315
PL.24870	PL.24869	ABC	336 MCM AC	7.46Y	124.4	0.02	0.60	57.78	11	1234	388	95	0.12	0.0	1.899	0.044	1	0	1	313
PL.24856	PL.24870	ABC	336 MCM AC	7.46Y	124.4	0.03	0.63	57.39	11	1226	386	95	0.17	0.0	1.960	0.061	0	0	1	310
PL.24855	PL.24856	ABC	336 MCM AC	7.46Y	124.3	0.03	0.65	57.38	11	1226	385	95	0.17	0.0	2.022	0.062	0	0	0	308
PL.25042	PL.24855	A	#2 ACSR	7.46Y	124.3	0.00	0.65	1.58	1	11	3	96	0.00	0.0	2.027	0.005	0	0	0	1

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.3533	PL.25042	A	65T	7.46Y	124.3	0.00	0.65	1.58	0	11	3	96	0.00	0.0	2.027	0.005	0	0	0	1
PL.25043	PD.3533	A	#2 ACSR	7.46Y	124.3	0.00	0.65	1.58	1	11	3	96	0.00	0.0	2.044	0.017	11	3	1	1
PL.24871	PL.24855	ABC	336 MCM AC	7.46Y	124.3	0.03	0.68	56.86	11	1214	381	95	0.19	0.0	2.091	0.069	1	0	1	307
PL.24872	PL.24871	ABC	336 MCM AC	7.46Y	124.3	0.02	0.70	56.80	11	1213	381	95	0.10	0.0	2.127	0.036	4	1	1	306
PL.24852	PL.24872	ABC	336 MCM AC	7.46Y	124.3	0.04	0.74	56.48	11	1206	378	95	0.24	0.0	2.217	0.091	0	0	0	303
PL.24737	PL.24852	ABC	336 MCM AC	7.45Y	124.2	0.02	0.76	56.41	11	1204	377	95	0.11	0.0	2.259	0.042	0	0	0	302
PL.24738	PL.24737	ABC	336 MCM AC	7.45Y	124.2	0.03	0.78	56.24	11	1200	376	95	0.16	0.0	2.320	0.061	0	0	0	301
PL.25018	PL.24738	A	#2 ACSR	7.45Y	124.2	0.00	0.78	0.16	0	1	0	100	0.00	0.0	2.324	0.005	0	0	0	1
PD.3521	PL.25018	A	65T	7.45Y	124.2	0.00	0.78	0.16	0	1	0	100	0.00	0.0	2.324	0.005	0	0	0	1
PL.25019	PD.3521	A	#2 ACSR	7.45Y	124.2	0.00	0.78	0.16	0	1	0	100	0.00	0.0	2.377	0.053	1	0	1	1
PL.24850	PL.24738	ABC	336 MCM AC	7.45Y	124.2	0.03	0.82	55.96	11	1194	374	95	0.20	0.0	2.396	0.077	0	0	0	299
PL.24851	PL.24850	ABC	336 MCM AC	7.45Y	124.1	0.04	0.85	55.49	11	1184	370	95	0.21	0.0	2.479	0.083	0	0	0	298
PL.25020	PL.24851	A	#1/0 ACSR	7.45Y	124.1	0.00	0.85	0.54	0	4	1	97	0.00	0.0	2.484	0.005	0	0	0	1
PD.3522	PL.25020	A	65T	7.45Y	124.1	0.00	0.85	0.54	0	4	1	97	0.00	0.0	2.484	0.005	0	0	0	1
PL.25021	PD.3522	A	#1/0 ACSR	7.45Y	124.1	0.00	0.85	0.54	0	4	1	97	0.00	0.0	2.520	0.036	4	1	1	1
PL.24672	PL.24851	C	#4 ACSR	7.45Y	124.1	0.00	0.85	0.61	0	4	1	97	0.00	0.0	2.484	0.005	0	0	0	1
PD.3481	PL.24672	C	65T	7.45Y	124.1	0.00	0.85	0.61	0	4	1	97	0.00	0.0	2.484	0.005	0	0	0	1
PL.24673	PD.3481	C	#4 ACSR	7.45Y	124.1	0.00	0.85	0.61	0	4	1	97	0.00	0.0	2.592	0.108	4	1	1	1
PL.24865	PL.24851	ABC	336 MCM AC	7.45Y	124.1	0.01	0.86	55.11	11	1175	367	95	0.07	0.0	2.507	0.028	9	3	1	296
PL.24866	PL.24865	ABC	336 MCM AC	7.44Y	124.1	0.07	0.93	54.67	11	1166	364	95	0.41	0.0	2.671	0.164	0	0	0	295
PL.24739	PL.24866	ABC	336 MCM AC	7.44Y	124.0	0.04	0.97	54.24	10	1156	360	95	0.25	0.0	2.770	0.099	0	0	0	293
PL.25048	PL.24739	ABC	#4 ACSR	7.44Y	124.0	0.00	0.97	0.10	0	2	1	89	0.00	0.0	2.775	0.005	0	0	0	1
PD.3536	PL.25048	ABC	65T	7.44Y	124.0	0.00	0.97	0.10	0	2	1	89	0.00	0.0	2.775	0.005	0	0	0	1
PL.25049	PD.3536	ABC	#4 ACSR	7.44Y	124.0	0.00	0.97	0.10	0	2	1	89	0.00	0.0	2.799	0.024	2	1	1	1
PL.24740	PL.24739	ABC	336 MCM AC	7.44Y	124.0	0.02	0.99	54.14	10	1154	359	95	0.12	0.0	2.819	0.049	0	0	0	292
PL.24971	PL.24740	C	#4 ACSR	7.44Y	124.0	0.00	1.00	1.21	1	9	3	95	0.00	0.0	2.824	0.005	0	0	0	1
PD.3496	PL.24971	C	65T	7.44Y	124.0	0.00	1.00	1.21	0	9	3	95	0.00	0.0	2.824	0.005	0	0	0	1
PL.24972	PD.3496	C	#4 ACSR	7.44Y	124.0	0.00	1.00	1.21	1	9	3	95	0.00	0.0	2.837	0.013	9	3	1	1
PL.24741	PL.24740	ABC	336 MCM AC	7.44Y	124.0	0.05	1.05	53.74	10	1145	356	95	0.30	0.0	2.941	0.122	0	0	0	291
PL.25022	PL.24741	C	#1/0 ACSR	7.44Y	124.0	0.00	1.05	7.74	3	55	17	96	0.00	0.0	2.946	0.005	0	0	0	16
PD.3523	PL.25022	C	65T	7.44Y	124.0	0.00	1.05	7.74	0	55	17	96	0.00	0.0	2.946	0.005	0	0	0	16

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Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.25023	PD.3523	C	#1/0 ACSR	7.44Y	123.9	0.01	1.06	7.74	3	55	17	96	0.00	0.0	3.018	0.072	12	4	1	16
PL.24535	PL.25023	C	#1/0 ACSR	7.44Y	123.9	0.00	1.06	0.44	0	3	1	95	0.00	0.0	3.149	0.131	2	1	1	2
PL.24536	PL.24535	C	#1/0 ACSR	7.44Y	123.9	0.00	1.06	0.11	0	1	0	100	0.00	0.0	3.223	0.074	1	0	1	1
PL.24847	PL.25023	C	#1/0 ACSR	7.44Y	123.9	0.01	1.07	5.65	2	40	12	96	0.00	0.0	3.073	0.055	0	0	1	13
PL.24573	PL.24847	C	#1/0 ACSR	7.44Y	123.9	0.00	1.07	0.36	0	3	1	95	0.00	0.0	3.106	0.033	3	1	1	1
PL.24654	PL.24847	C	6 A (CWC)	7.43Y	123.9	0.04	1.11	5.25	4	37	11	96	0.01	0.0	3.246	0.173	0	0	0	11
PL.24784	PL.24654	C	6 A (CWC)	7.43Y	123.9	0.04	1.15	5.25	4	37	11	96	0.01	0.0	3.420	0.175	0	0	0	11
PL.24863	PL.24784	C	6 A (CWC)	7.43Y	123.8	0.02	1.17	5.25	4	37	11	96	0.01	0.0	3.517	0.097	7	2	2	11
PL.24864	PL.24863	C	6 A (CWC)	7.43Y	123.8	0.02	1.19	4.23	3	30	9	96	0.01	0.0	3.633	0.116	0	0	0	9
PL.24574	PL.24864	C	6 A (CWC)	7.43Y	123.8	0.02	1.21	2.82	2	20	6	96	0.00	0.0	3.764	0.131	0	0	0	7
PL.24785	PL.24574	C	6 A (CWC)	7.43Y	123.8	0.01	1.22	2.82	2	20	6	96	0.00	0.0	3.884	0.120	9	3	2	7
PL.24650	PL.24785	C	#4 ACSR	7.43Y	123.8	0.00	1.22	1.56	1	11	3	96	0.00	0.0	3.899	0.015	0	0	0	5
PL.24657	PL.24650	C	#4 ACSR	7.43Y	123.8	0.00	1.23	1.56	1	11	3	96	0.00	0.0	3.968	0.068	0	0	0	5
PL.24861	PL.24657	C	#4 ACSR	7.43Y	123.8	0.00	1.23	0.81	1	6	2	95	0.00	0.0	4.034	0.066	1	0	1	2
PL.24862	PL.24861	C	#4 ACSR	7.43Y	123.8	0.00	1.23	0.71	1	5	2	93	0.00	0.0	4.149	0.114	0	0	0	1
PL.24786	PL.24862	C	#4 ACSR	7.43Y	123.8	0.00	1.24	0.71	1	5	2	93	0.00	0.0	4.287	0.139	5	2	1	1
PL.24848	PL.24657	C	6 A (CWC)	7.43Y	123.8	0.00	1.23	0.75	1	5	2	93	0.00	0.0	4.033	0.065	5	1	1	3
PL.24575	PL.24848	C	#4 ACSR	7.43Y	123.8	0.00	1.23	0.05	0	0	0	100	0.00	0.0	4.112	0.079	0	0	1	1
PL.24849	PL.24848	C	6 A (CWC)	7.43Y	123.8	0.00	1.23	0.01	0	0	0	100	0.00	0.0	4.096	0.063	0	0	0	1
PL.24742	PL.24849	C	6 A (CWC)	7.43Y	123.8	0.00	1.23	0.01	0	0	0	100	0.00	0.0	4.199	0.103	0	0	1	1
PL.24651	PL.24849	C	#4 ACSR	7.43Y	123.8	0.00	1.23	0.00	0	0	0	100	0.00	0.0	4.105	0.009	0	0	0	0
PL.24655	PL.24651	C	#4 ACSR	7.43Y	123.8	0.00	1.23	0.00	0	0	0	100	0.00	0.0	4.131	0.026	0	0	0	0
PL.24656	PL.24655	C	#4 ACSR	7.43Y	123.8	0.00	1.23	0.00	0	0	0	100	0.00	0.0	4.173	0.043	0	0	0	0
PL.24646	PL.24864	C	6 A (CWC)	7.43Y	123.8	0.01	1.20	1.41	1	10	3	96	0.00	0.0	3.759	0.126	0	0	0	2
PL.24647	PL.24646	C	6 A (CWC)	7.43Y	123.8	0.00	1.20	1.41	1	10	3	96	0.00	0.0	3.813	0.054	0	0	0	2
PL.24652	PL.24647	C	#4 ACSR	7.43Y	123.8	0.00	1.20	0.00	0	0	0	100	0.00	0.0	3.896	0.083	0	0	0	0
PL.24648	PL.24647	C	6 A (CWC)	7.43Y	123.8	0.00	1.21	1.41	1	10	3	96	0.00	0.0	3.928	0.115	9	3	1	2
PL.24649	PL.24648	C	6 A (CWC)	7.43Y	123.8	0.00	1.21	0.16	0	1	0	100	0.00	0.0	4.035	0.107	1	0	1	1
PL.25024	PL.24741	A	#1/0 ACSR	7.44Y	124.0	0.00	1.05	9.30	4	66	20	96	0.00	0.0	2.946	0.005	0	0	0	12
PD.3524	PL.25024	A	20T	7.44Y	124.0	0.00	1.05	9.30	0	66	20	96	0.00	0.0	2.946	0.005	0	0	0	12
PL.25025	PD.3524	A	#1/0 ACSR	7.44Y	123.9	0.02	1.06	9.30	4	66	20	96	0.01	0.0	3.027	0.081	0	0	0	12

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Balanced Voltage Drop Report
Source: Hargett

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru

PL.24900	PL.25025	A	#1/0 ACSR	7.43Y	123.9	0.02	1.09	9.30	4	66	20	96	0.01	0.0	3.142	0.115	5	1	1	12
PL.24901	PL.24900	A	#1/0 ACSR	7.43Y	123.9	0.02	1.10	8.61	4	61	19	95	0.01	0.0	3.227	0.084	11	3	2	11
PL.24542	PL.24901	A	6 A (CWC)	7.43Y	123.9	0.01	1.11	1.87	1	13	4	96	0.00	0.0	3.310	0.083	0	0	0	4
PL.24543	PL.24542	A	#4 ACSR	7.43Y	123.9	0.00	1.11	0.02	0	0	0	100	0.00	0.0	3.368	0.058	0	0	1	1
PL.24544	PL.24542	A	#4 ACSR	7.43Y	123.9	0.00	1.12	1.84	1	13	4	96	0.00	0.0	3.421	0.111	13	4	2	2
PL.24981	PL.24542	A	#4 ACSR	7.43Y	123.9	0.00	1.11	0.00	0	0	0	100	0.00	0.0	3.315	0.005	0	0	0	1
PD.3501	PL.24981	A	40T	7.43Y	123.9	0.00	1.11	0.00	0	0	0	100	0.00	0.0	3.315	0.005	0	0	0	1
PL.24982	PD.3501	A	#4 ACSR	7.43Y	123.9	0.00	1.11	0.00	0	0	0	100	0.00	0.0	3.456	0.141	0	0	0	1
PL.24787	PL.24982	A	#4 ACSR	7.43Y	123.9	0.00	1.11	0.00	0	0	0	100	0.00	0.0	3.645	0.189	0	0	1	1
PL.24902	PL.24901	A	#2 ACSR	7.43Y	123.9	0.01	1.11	4.13	2	29	9	96	0.00	0.0	3.289	0.062	8	3	1	3
PL.24903	PL.24902	A	#2 ACSR	7.43Y	123.9	0.00	1.11	2.97	2	21	6	96	0.00	0.0	3.340	0.051	21	6	2	2
PL.24545	PL.24901	A	#4 ACSR	7.43Y	123.9	0.00	1.11	1.13	1	8	2	97	0.00	0.0	3.259	0.033	8	2	2	2
PL.24845	PL.24741	ABC	#1/0 ACSR	7.43Y	123.9	0.10	1.15	48.06	21	1024	318	96	0.71	0.1	3.058	0.117	4	1	1	263
PL.24975	PL.24845	C	#4 ACSR	7.43Y	123.9	0.00	1.15	0.88	1	6	2	95	0.00	0.0	3.063	0.005	0	0	0	1
PD.3498	PL.24975	C	65T	7.43Y	123.9	0.00	1.15	0.88	0	6	2	95	0.00	0.0	3.063	0.005	0	0	0	1
PL.24976	PD.3498	C	#4 ACSR	7.43Y	123.9	0.00	1.15	0.88	1	6	2	95	0.00	0.0	3.116	0.054	6	2	1	1
PL.24846	PL.24845	ABC	#1/0 ACSR	7.43Y	123.8	0.09	1.24	47.57	21	1013	314	96	0.60	0.1	3.159	0.101	7	2	3	261
PL.24538	PL.24846	C	6 A (CWC)	7.43Y	123.8	0.00	1.24	1.99	1	14	4	96	0.00	0.0	3.163	0.004	0	0	0	4
PD.3502	PL.24538	C	12T	7.43Y	123.8	0.00	1.24	1.99	0	14	4	96	0.00	0.0	3.163	0.004	0	0	0	4
PL.24537	PD.3502	C	#2 ACSR	7.43Y	123.8	0.00	1.24	0.95	1	7	2	96	0.00	0.0	3.346	0.183	7	2	2	2
PL.24743	PD.3502	C	6 A (CWC)	7.43Y	123.8	0.00	1.24	1.04	1	7	2	96	0.00	0.0	3.247	0.084	3	1	1	2
PL.24540	PL.24743	C	#4 ACSR	7.43Y	123.8	0.00	1.24	0.56	0	4	1	97	0.00	0.0	3.257	0.009	0	0	0	1
PL.24539	PL.24540	C	#4 ACSR	7.43Y	123.8	0.00	1.24	0.56	0	4	1	97	0.00	0.0	3.320	0.063	4	1	1	1
PL.24844	PL.24846	ABC	#1/0 ACSR	7.42Y	123.7	0.07	1.30	46.57	20	991	307	96	0.47	0.0	3.240	0.081	4	1	1	254
PL.24843	PL.24844	ABC	#1/0 ACSR	7.42Y	123.6	0.11	1.41	46.07	20	980	304	96	0.74	0.1	3.370	0.131	0	0	0	252
PL.24897	PL.24843	ABC	#1/0 ACSR	7.41Y	123.5	0.07	1.49	45.37	20	964	299	96	0.48	0.0	3.458	0.087	1	0	1	247
PL.24898	PL.24897	ABC	#1/0 ACSR	7.41Y	123.5	0.02	1.50	45.31	20	962	298	96	0.11	0.0	3.479	0.021	0	0	0	246
PL.24967	PL.24898	A	#4 ACSR	7.41Y	123.5	0.00	1.51	1.22	1	9	3	95	0.00	0.0	3.483	0.005	0	0	0	1
PD.3494	PL.24967	A	65T	7.41Y	123.5	0.00	1.51	1.22	0	9	3	95	0.00	0.0	3.483	0.005	0	0	0	1
PL.24968	PD.3494	A	#4 ACSR	7.41Y	123.5	0.00	1.51	1.22	1	9	3	95	0.00	0.0	3.565	0.082	9	3	1	1
PL.24894	PL.24898	ABC	#1/0 ACSR	7.41Y	123.4	0.06	1.56	44.90	20	954	295	96	0.37	0.0	3.548	0.069	4	1	2	245

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.24895	PL.24894	ABC	#1/0 ACSR	7.40Y	123.4	0.07	1.63	44.73	19	950	293	96	0.44	0.0	3.631	0.084	9	3	2	243
PL.25026	PL.24895	A	#1/0 ACSR	7.40Y	123.4	0.00	1.63	2.31	1	16	5	95	0.00	0.0	3.636	0.004	0	0	0	2
PD.3525	PL.25026	A	65T	7.40Y	123.4	0.00	1.63	2.31	0	16	5	95	0.00	0.0	3.636	0.004	0	0	0	2
PL.25027	PD.3525	A	#1/0 ACSR	7.40Y	123.4	0.00	1.63	2.31	1	16	5	95	0.00	0.0	3.683	0.047	8	2	1	2
PL.24899	PL.25027	A	#1/0 ACSR	7.40Y	123.4	0.00	1.63	1.24	1	9	3	95	0.00	0.0	3.741	0.058	9	3	1	1
PL.24979	PL.24895	C	#2 ACSR	7.40Y	123.4	0.00	1.63	0.34	0	2	1	89	0.00	0.0	3.636	0.005	0	0	0	1
PD.3500	PL.24979	C	65T	7.40Y	123.4	0.00	1.63	0.34	0	2	1	89	0.00	0.0	3.636	0.005	0	0	0	1
PL.24980	PD.3500	C	#2 ACSR	7.40Y	123.4	0.00	1.63	0.34	0	2	1	89	0.00	0.0	3.670	0.034	2	1	1	1
PL.24842	PL.24895	ABC	#1/0 ACSR	7.40Y	123.3	0.11	1.74	43.42	19	921	285	96	0.70	0.1	3.771	0.140	5	2	1	238
PL.24977	PL.24842	C	6 A (CWC)	7.40Y	123.3	0.00	1.74	0.74	1	5	2	93	0.00	0.0	3.776	0.005	0	0	0	1
PD.3499	PL.24977	C	65T	7.40Y	123.3	0.00	1.74	0.74	0	5	2	93	0.00	0.0	3.776	0.005	0	0	0	1
PL.24978	PD.3499	C	6 A (CWC)	7.40Y	123.3	0.00	1.74	0.74	1	5	2	93	0.00	0.0	3.840	0.064	5	2	1	1
PL.24841	PL.24842	ABC	#1/0 ACSR	7.39Y	123.2	0.06	1.80	42.93	19	910	281	96	0.35	0.0	3.842	0.070	0	0	0	236
PL.24839	PL.24841	ABC	#1/0 ACSR	7.39Y	123.1	0.07	1.87	39.80	17	843	260	96	0.43	0.1	3.943	0.102	2	1	1	214
PL.24690	PL.24839	C	#4 ACSR	7.39Y	123.1	0.00	1.87	0.97	1	7	2	96	0.00	0.0	3.948	0.005	0	0	0	1
PD.3490	PL.24690	C	65T	7.39Y	123.1	0.00	1.87	0.97	0	7	2	96	0.00	0.0	3.948	0.005	0	0	0	1
PL.24691	PD.3490	C	#4 ACSR	7.39Y	123.1	0.00	1.87	0.97	1	7	2	96	0.00	0.0	3.991	0.042	7	2	1	1
PL.24840	PL.24839	ABC	#1/0 ACSR	7.38Y	123.1	0.07	1.94	39.37	17	834	257	96	0.38	0.0	4.036	0.092	0	0	0	212
PL.25052	PL.24840	B	6 A (CWC)	7.38Y	123.0	0.07	2.01	26.29	19	186	57	96	0.10	0.1	4.094	0.058	0	0	0	48
PD.3538	PL.25052	B	50L	7.38Y	123.0	0.00	2.01	26.29	53	186	57	96	0.00	0.0	4.094	0.058	0	0	0	48
PL.25053	PD.3538	B	6 A (CWC)	7.38Y	122.9	0.07	2.08	26.29	19	186	57	96	0.10	0.1	4.152	0.059	2	0	1	48
PL.24885	PL.25053	B	6 A (CWC)	7.37Y	122.8	0.11	2.19	24.75	18	175	53	96	0.14	0.1	4.249	0.096	4	1	1	44
PL.24886	PL.24885	B	6 A (CWC)	7.36Y	122.7	0.12	2.30	24.19	17	170	52	96	0.15	0.1	4.354	0.105	0	0	0	43
PL.24795	PL.24886	B	6 A (CWC)	7.35Y	122.6	0.12	2.42	24.19	17	170	52	96	0.15	0.1	4.463	0.109	2	1	2	43
PL.24550	PL.24795	B	#4 ACSR	7.35Y	122.6	0.00	2.43	1.33	1	9	3	95	0.00	0.0	4.559	0.097	9	3	2	2
PL.24549	PL.24795	B	6 A (CWC)	7.35Y	122.5	0.12	2.54	22.62	16	159	49	96	0.14	0.1	4.578	0.115	0	0	0	39
PL.24796	PL.24549	B	6 A (CWC)	7.34Y	122.4	0.08	2.63	22.62	16	159	48	96	0.10	0.1	4.655	0.078	0	0	0	39
PL.25030	PL.24796	B	6 A (CWC)	7.34Y	122.4	0.00	2.63	3.40	2	24	7	96	0.00	0.0	4.660	0.005	0	0	0	7
PD.3527	PL.25030	B	15T	7.34Y	122.4	0.00	2.63	3.40	0	24	7	96	0.00	0.0	4.660	0.005	0	0	0	7
PL.25031	PD.3527	B	6 A (CWC)	7.34Y	122.4	0.02	2.64	3.40	2	24	7	96	0.00	0.0	4.803	0.143	10	3	1	7
PL.24576	PL.25031	B	6 A (CWC)	7.34Y	122.3	0.01	2.65	1.91	1	13	4	96	0.00	0.0	4.930	0.127	0	0	0	6

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.24838	PL.24576	B	6 A (CWC)	7.34Y	122.3	0.01	2.66	1.91	1	13	4	96	0.00	0.0	5.043	0.113	1	0	1	6
PL.24577	PL.24838	B	6 A (CWC)	7.34Y	122.3	0.00	2.66	0.19	0	1	0	100	0.00	0.0	5.104	0.061	1	0	2	2
PL.24891	PL.24838	B	6 A (CWC)	7.34Y	122.3	0.00	2.67	1.58	1	11	3	96	0.00	0.0	5.063	0.020	6	2	1	3
PL.24892	PL.24891	B	6 A (CWC)	7.34Y	122.3	0.00	2.67	0.72	1	5	2	93	0.00	0.0	5.137	0.074	5	2	2	2
PL.24688	PL.24796	B	6 A (CWC)	7.34Y	122.4	0.00	2.63	2.70	2	19	6	95	0.00	0.0	4.660	0.005	0	0	0	5
PD.3489	PL.24688	B	20T	7.34Y	122.4	0.00	2.63	2.70	0	19	6	95	0.00	0.0	4.660	0.005	0	0	0	5
PL.24689	PD.3489	B	6 A (CWC)	7.34Y	122.4	0.02	2.64	2.70	2	19	6	95	0.00	0.0	4.802	0.142	0	0	0	5
PL.24881	PL.24689	B	6 A (CWC)	7.34Y	122.3	0.02	2.66	2.51	2	18	5	96	0.00	0.0	4.959	0.157	5	2	1	4
PL.24882	PL.24881	B	6 A (CWC)	7.34Y	122.3	0.00	2.66	1.75	1	12	4	95	0.00	0.0	5.020	0.061	3	1	1	3
PL.24878	PL.24882	B	6 A (CWC)	7.34Y	122.3	0.00	2.67	1.38	1	10	3	96	0.00	0.0	5.089	0.069	0	0	0	2
PL.24746	PL.24878	B	6 A (CWC)	7.34Y	122.3	0.00	2.67	0.14	0	1	0	100	0.00	0.0	5.147	0.058	1	0	1	1
PL.24876	PL.24878	B	#1/0 ACSR	7.34Y	122.3	0.00	2.67	1.24	1	9	3	95	0.00	0.0	5.134	0.045	9	3	1	1
PL.24877	PL.24876	B	#1/0 ACSR	7.34Y	122.3	0.00	2.67	0.00	0	0	0	100	0.00	0.0	5.196	0.062	0	0	0	0
PL.25016	PL.24689	B	6 A (CWC)	7.34Y	122.4	0.00	2.64	0.19	0	1	0	100	0.00	0.0	4.807	0.005	0	0	0	1
PD.3520	PL.25016	B	12T	7.34Y	122.4	0.00	2.64	0.19	0	1	0	100	0.00	0.0	4.807	0.005	0	0	0	1
PL.25017	PD.3520	B	6 A (CWC)	7.34Y	122.4	0.00	2.64	0.19	0	1	0	100	0.00	0.0	4.933	0.126	0	0	0	1
PL.24797	PL.25017	B	6 A (CWC)	7.34Y	122.4	0.00	2.65	0.19	0	1	0	100	0.00	0.0	5.006	0.074	1	0	1	1
PL.24837	PL.24796	B	6 A (CWC)	7.34Y	122.3	0.05	2.67	16.51	12	116	35	96	0.04	0.0	4.716	0.061	1	0	1	27
PL.24883	PL.24837	B	6 A (CWC)	7.34Y	122.3	0.04	2.71	15.65	11	110	33	96	0.03	0.0	4.774	0.058	10	3	2	24
PL.24884	PL.24883	B	6 A (CWC)	7.33Y	122.2	0.08	2.79	14.21	10	100	30	96	0.06	0.1	4.894	0.121	0	0	0	22
PL.24798	PL.24884	B	6 A (CWC)	7.33Y	122.1	0.06	2.85	14.21	10	100	30	96	0.05	0.0	4.990	0.096	0	0	0	22
PL.24747	PL.24798	B	6 A (CWC)	7.33Y	122.1	0.05	2.91	14.21	10	100	30	96	0.04	0.0	5.071	0.081	0	0	0	22
PL.24879	PL.24747	B	6 A (CWC)	7.32Y	122.1	0.01	2.92	3.41	2	24	7	96	0.00	0.0	5.152	0.081	1	0	1	7
PL.24880	PL.24879	B	6 A (CWC)	7.32Y	122.1	0.01	2.92	3.29	2	23	7	96	0.00	0.0	5.202	0.050	12	4	1	6
PL.24875	PL.24880	B	6 A (CWC)	7.32Y	122.1	0.00	2.93	1.59	1	11	3	96	0.00	0.0	5.259	0.056	0	0	1	5
PL.24874	PL.24875	B	6 A (CWC)	7.32Y	122.1	0.01	2.93	1.53	1	11	3	96	0.00	0.0	5.339	0.080	2	1	1	4
PL.24873	PL.24874	B	6 A (CWC)	7.32Y	122.1	0.00	2.94	1.20	1	8	3	94	0.00	0.0	5.417	0.078	0	0	0	3
PL.25044	PL.24873	B	6 A (CWC)	7.32Y	122.1	0.00	2.94	1.20	1	8	3	94	0.00	0.0	5.421	0.005	0	0	0	3
PD.3534	PL.25044	B	20T	7.32Y	122.1	0.00	2.94	1.20	0	8	3	94	0.00	0.0	5.421	0.005	0	0	0	3
PL.25045	PD.3534	B	6 A (CWC)	7.32Y	122.1	0.01	2.94	1.20	1	8	3	94	0.00	0.0	5.558	0.136	0	0	0	3
PL.24803	PL.25045	B	6 A (CWC)	7.32Y	122.1	0.00	2.95	1.20	1	8	3	94	0.00	0.0	5.679	0.122	8	3	3	3

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Balanced Voltage Drop Report
Source: Hargett

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.24684	PL.24747	B	6 A (CWC)	7.33Y	122.1	0.00	2.91	10.16	7	71	22	96	0.00	0.0	5.075	0.005	0	0	0	14
PD.3487	PL.24684	B	20T	7.33Y	122.1	0.00	2.91	10.16	0	71	22	96	0.00	0.0	5.075	0.005	0	0	0	14
PL.24685	PD.3487	B	6 A (CWC)	7.32Y	122.1	0.03	2.94	10.16	7	71	22	96	0.02	0.0	5.146	0.071	0	0	0	14
PL.24827	PL.24685	B	6 A (CWC)	7.32Y	122.0	0.06	3.00	10.16	7	71	22	96	0.03	0.0	5.277	0.131	9	3	1	14
PL.24566	PL.24827	B	6 A (CWC)	7.32Y	122.0	0.00	3.00	1.21	1	8	3	94	0.00	0.0	5.358	0.081	8	3	1	1
PL.24828	PL.24827	B	6 A (CWC)	7.32Y	122.0	0.02	3.02	7.62	5	53	16	96	0.01	0.0	5.327	0.051	0	0	0	12
PL.24569	PL.24828	B	6 A (CWC)	7.32Y	121.9	0.04	3.06	6.32	5	44	13	96	0.01	0.0	5.480	0.153	0	0	0	11
PL.24824	PL.24569	B	6 A (CWC)	7.31Y	121.9	0.02	3.08	6.32	5	44	13	96	0.01	0.0	5.563	0.083	0	0	0	11
PL.24825	PL.24824	B	6 A (CWC)	7.31Y	121.9	0.03	3.12	5.27	4	37	11	96	0.01	0.0	5.706	0.143	0	0	0	10
PL.24801	PL.24825	B	6 A (CWC)	7.31Y	121.9	0.02	3.14	5.27	4	37	11	96	0.01	0.0	5.785	0.078	0	0	0	10
PL.24694	PL.24801	B	6 A (CWC)	7.31Y	121.9	0.00	3.14	1.87	1	13	4	96	0.00	0.0	5.789	0.005	0	0	0	4
PD.3492	PL.24694	B	12T	7.31Y	121.9	0.00	3.14	1.87	0	13	4	96	0.00	0.0	5.789	0.005	0	0	0	4
PL.24695	PD.3492	B	6 A (CWC)	7.31Y	121.9	0.00	3.14	1.87	1	13	4	96	0.00	0.0	5.845	0.056	6	2	1	4
PL.24890	PL.24695	B	6 A (CWC)	7.31Y	121.9	0.00	3.14	0.96	1	7	2	96	0.00	0.0	5.909	0.063	7	2	3	3
PL.24571	PL.24801	B	#4 ACSR	7.31Y	121.9	0.00	3.14	0.52	0	4	1	97	0.00	0.0	5.835	0.050	4	1	1	1
PL.24888	PL.24801	B	6 A (CWC)	7.31Y	121.8	0.02	3.16	2.88	2	20	6	96	0.00	0.0	5.951	0.167	8	2	1	5
PL.24889	PL.24888	B	6 A (CWC)	7.31Y	121.8	0.00	3.16	1.71	1	12	4	95	0.00	0.0	5.980	0.028	0	0	0	4
PL.24572	PL.24889	B	#4 ACSR	7.31Y	121.8	0.00	3.16	1.48	1	10	3	96	0.00	0.0	6.071	0.091	10	3	2	2
PL.24748	PL.24889	B	6 A (CWC)	7.31Y	121.8	0.00	3.16	0.23	0	2	0	100	0.00	0.0	6.103	0.124	0	0	0	2
PL.24802	PL.24748	B	6 A (CWC)	7.31Y	121.8	0.00	3.16	0.23	0	2	0	100	0.00	0.0	6.291	0.187	2	0	2	2
PL.24570	PL.24824	B	#4 ACSR	7.31Y	121.9	0.00	3.09	1.04	1	7	2	96	0.00	0.0	5.623	0.059	7	2	1	1
PL.24567	PL.24828	B	6 A (CWC)	7.32Y	122.0	0.00	3.02	0.00	0	0	0	100	0.00	0.0	5.376	0.049	0	0	0	0
PL.24568	PL.24828	B	#4 ACSR	7.32Y	122.0	0.00	3.02	1.30	1	9	3	95	0.00	0.0	5.475	0.147	9	3	1	1
PL.24565	PL.24747	B	#4 ACSR	7.33Y	122.1	0.00	2.91	0.64	0	5	1	98	0.00	0.0	5.133	0.062	5	1	1	1
PL.24686	PL.24837	B	#4 ACSR	7.34Y	122.3	0.00	2.67	0.69	1	5	1	98	0.00	0.0	4.720	0.005	0	0	0	2
PD.3488	PL.24686	B	20T	7.34Y	122.3	0.00	2.67	0.69	0	5	1	98	0.00	0.0	4.720	0.005	0	0	0	2
PL.24687	PD.3488	B	#4 ACSR	7.34Y	122.3	0.00	2.67	0.69	1	5	1	98	0.00	0.0	4.772	0.051	5	1	2	2
PL.24692	PL.25053	B	#4 ACSR	7.38Y	122.9	0.00	2.08	1.31	1	9	3	95	0.00	0.0	4.157	0.005	0	0	0	3
PD.3491	PL.24692	B	65T	7.38Y	122.9	0.00	2.08	1.31	0	9	3	95	0.00	0.0	4.157	0.005	0	0	0	3
PL.24693	PD.3491	B	#4 ACSR	7.37Y	122.9	0.01	2.08	1.31	1	9	3	95	0.00	0.0	4.286	0.130	2	1	1	3
PL.24548	PL.24693	B	#4 ACSR	7.37Y	122.9	0.00	2.09	0.99	1	7	2	96	0.00	0.0	4.380	0.094	7	2	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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.24547	PL.24693	B	#1/0 ACSR	7.37Y	122.9	0.00	2.08	0.02	0	0	0	100	0.00	0.0	4.401	0.114	0	0	1	1
PL.24887	PL.24840	ABC	#1/0 ACSR	7.38Y	123.0	0.04	1.98	30.61	13	648	200	96	0.20	0.0	4.116	0.080	9	3	2	164
PL.25058	PL.24887	ABC	#1/0 ACSR	7.38Y	123.0	0.04	2.02	30.21	13	639	197	96	0.16	0.0	4.182	0.066	0	0	0	162
PD.3541	PL.25058	ABC	50L	7.38Y	123.0	0.00	2.02	30.21	60	639	197	96	0.00	0.0	4.182	0.066	0	0	0	162
PL.25059	PD.3541	ABC	#1/0 ACSR	7.37Y	122.9	0.09	2.11	30.21	13	639	197	96	0.40	0.1	4.347	0.165	0	0	0	162
PL.24804	PL.25059	ABC	#1/0 ACSR	7.37Y	122.8	0.09	2.20	30.21	13	639	196	96	0.39	0.1	4.509	0.162	0	0	0	162
PL.24805	PL.24804	ABC	#1/0 ACSR	7.36Y	122.7	0.07	2.27	30.21	13	638	196	96	0.32	0.0	4.639	0.131	0	0	0	162
PL.24749	PL.24805	ABC	#1/0 ACSR	7.36Y	122.7	0.02	2.29	28.76	13	607	186	96	0.09	0.0	4.680	0.040	0	0	0	156
PL.24807	PL.24749	ABC	#1/0 ACSR	7.36Y	122.6	0.09	2.38	28.76	13	607	186	96	0.37	0.1	4.848	0.169	0	0	0	156
PL.24934	PL.24807	ABC	#1/0 ACSR	7.36Y	122.6	0.03	2.42	28.35	12	598	183	96	0.14	0.0	4.915	0.067	1	0	1	154
PL.24935	PL.24934	ABC	#1/0 ACSR	7.35Y	122.5	0.08	2.50	28.29	12	597	183	96	0.34	0.1	5.073	0.158	1	0	1	153
PL.25060	PL.24935	ABC	#1/0 ACSR	7.35Y	122.5	0.01	2.50	28.23	12	595	182	96	0.03	0.0	5.086	0.013	0	0	0	152
PL.25061	PL.25060	ABC	#1/0 ACSR	7.35Y	122.5	0.04	2.55	28.23	12	595	182	96	0.17	0.0	5.168	0.082	0	0	0	152
PL.24753	PL.25061	ABC	#1/0 ACSR	7.35Y	122.4	0.03	2.58	18.17	8	383	117	96	0.09	0.0	5.270	0.102	0	0	0	103
PL.24987	PL.24753	A	#1/0 ACSR	7.35Y	122.4	0.00	2.58	0.00	0	0	0	100	0.00	0.0	5.275	0.005	0	0	0	1
PD.3506	PL.24987	A	20T	7.35Y	122.4	0.00	2.58	0.00	0	0	0	100	0.00	0.0	5.275	0.005	0	0	0	1
PL.24988	PD.3506	A	#1/0 ACSR	7.35Y	122.4	0.00	2.58	0.00	0	0	0	100	0.00	0.0	5.349	0.074	0	0	1	1
PL.24931	PL.24753	ABC	#1/0 ACSR	7.34Y	122.4	0.01	2.59	18.17	8	383	117	96	0.02	0.0	5.296	0.026	7	2	1	102
PL.24932	PL.24931	ABC	#1/0 ACSR	7.34Y	122.4	0.04	2.63	17.86	8	376	115	96	0.11	0.0	5.426	0.130	0	0	0	101
PL.24985	PL.24932	A	6 A (CWC)	7.34Y	122.4	0.00	2.63	0.98	1	7	2	96	0.00	0.0	5.431	0.005	0	0	0	2
PD.3505	PL.24985	A	20T	7.34Y	122.4	0.00	2.63	0.98	0	7	2	96	0.00	0.0	5.431	0.005	0	0	0	2
PL.24986	PD.3505	A	6 A (CWC)	7.34Y	122.4	0.00	2.63	0.98	1	7	2	96	0.00	0.0	5.455	0.024	7	2	2	2
PL.24907	PL.24932	ABC	#1/0 ACSR	7.34Y	122.3	0.04	2.67	17.54	8	369	113	96	0.10	0.0	5.553	0.127	2	1	1	99
PL.24908	PL.24907	ABC	#1/0 ACSR	7.34Y	122.3	0.03	2.70	17.42	8	367	112	96	0.07	0.0	5.640	0.087	0	0	1	98
PL.24906	PL.24908	ABC	#1/0 ACSR	7.34Y	122.3	0.02	2.72	17.42	8	367	112	96	0.06	0.0	5.710	0.070	8	3	3	97
PL.24983	PL.24906	A	6 A (CWC)	7.34Y	122.3	0.00	2.72	1.73	1	12	4	95	0.00	0.0	5.715	0.005	0	0	0	5
PD.3504	PL.24983	A	20T	7.34Y	122.3	0.00	2.72	1.73	0	12	4	95	0.00	0.0	5.715	0.005	0	0	0	5
PL.24984	PD.3504	A	6 A (CWC)	7.34Y	122.3	0.00	2.72	1.73	1	12	4	95	0.00	0.0	5.747	0.032	2	0	1	5
PL.24905	PL.24984	A	6 A (CWC)	7.34Y	122.3	0.00	2.73	1.51	1	11	3	96	0.00	0.0	5.812	0.066	3	1	1	4
PL.24904	PL.24905	A	6 A (CWC)	7.34Y	122.3	0.00	2.73	1.08	1	8	2	97	0.00	0.0	5.874	0.062	6	2	1	3
PL.24624	PL.24904	A	#4 ACSR	7.34Y	122.3	0.00	2.73	0.24	0	2	1	89	0.00	0.0	5.942	0.068	2	1	2	2

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Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru

PL.24625	PL.24624	A	#4 ACSR	7.34Y	122.3	0.00	2.73	0.00	0	0	0	100	0.00	0.0	5.995	0.053	0	0	0	0
PL.24585	PL.24906	ABC	#1/0 ACSR	7.34Y	122.3	0.02	2.74	16.45	7	346	106	96	0.05	0.0	5.776	0.066	0	0	0	89
PL.24757	PL.24585	ABC	#1/0 ACSR	7.33Y	122.2	0.04	2.78	14.37	6	302	93	96	0.08	0.0	5.920	0.144	0	0	0	78
PL.24813	PL.24757	ABC	#1/0 ACSR	7.33Y	122.2	0.02	2.80	14.37	6	302	92	96	0.05	0.0	6.015	0.095	0	0	0	78
PL.24950	PL.24813	ABC	#1/0 ACSR	7.33Y	122.2	0.01	2.81	14.37	6	302	92	96	0.01	0.0	6.039	0.024	2	1	1	78
PL.24951	PL.24950	ABC	#1/0 ACSR	7.33Y	122.2	0.02	2.83	14.29	6	301	92	96	0.04	0.0	6.111	0.071	3	1	2	77
PL.24949	PL.24951	ABC	#1/0 ACSR	7.33Y	122.1	0.04	2.87	14.15	6	298	91	96	0.08	0.0	6.265	0.154	0	0	0	75
PL.25007	PL.24949	A	6 A (CWC)	7.33Y	122.1	0.00	2.87	1.58	1	11	3	96	0.00	0.0	6.269	0.005	0	0	0	2
PD.3516	PL.25007	A	20T	7.33Y	122.1	0.00	2.87	1.58	0	11	3	96	0.00	0.0	6.269	0.005	0	0	0	2
PL.25008	PD.3516	A	6 A (CWC)	7.33Y	122.1	0.00	2.87	1.58	1	11	3	96	0.00	0.0	6.347	0.078	11	3	2	2
PL.24759	PL.24949	ABC	#1/0 ACSR	7.33Y	122.1	0.03	2.90	13.62	6	286	87	96	0.06	0.0	6.392	0.128	0	0	0	73
PL.25005	PL.24759	C	6 A (CWC)	7.33Y	122.1	0.00	2.90	1.01	1	7	2	96	0.00	0.0	6.397	0.005	0	0	0	3
PD.3515	PL.25005	C	20T	7.33Y	122.1	0.00	2.90	1.01	0	7	2	96	0.00	0.0	6.397	0.005	0	0	0	3
PL.25006	PD.3515	C	6 A (CWC)	7.33Y	122.1	0.01	2.91	1.01	1	7	2	96	0.00	0.0	6.530	0.133	0	0	1	3
PL.24586	PL.25006	C	#4 ACSR	7.33Y	122.1	0.00	2.91	1.00	1	7	2	96	0.00	0.0	6.605	0.075	7	2	1	1
PL.24587	PL.25006	C	#4 ACSR	7.33Y	122.1	0.00	2.91	0.01	0	0	0	100	0.00	0.0	6.614	0.084	0	0	1	1
PL.24947	PL.24759	ABC	#1/0 ACSR	7.33Y	122.1	0.01	2.91	12.91	6	271	83	96	0.02	0.0	6.449	0.057	11	3	1	69
PL.24948	PL.24947	ABC	#1/0 ACSR	7.32Y	122.1	0.00	2.92	12.38	5	260	79	96	0.01	0.0	6.463	0.014	0	0	0	68
PL.24760	PL.24948	ABC	#1/0 ACSR	7.32Y	122.1	0.03	2.94	12.22	5	257	78	96	0.04	0.0	6.575	0.112	0	0	0	67
PL.24761	PL.24760	ABC	#1/0 ACSR	7.32Y	122.0	0.02	2.96	12.01	5	252	77	96	0.03	0.0	6.660	0.085	0	0	0	66
PL.24762	PL.24761	ABC	#1/0 ACSR	7.32Y	122.0	0.04	3.00	11.88	5	250	76	96	0.06	0.0	6.826	0.166	0	0	0	65
PL.24997	PL.24762	A	6 A (CWC)	7.32Y	122.0	0.00	3.00	0.54	0	4	1	97	0.00	0.0	6.831	0.005	0	0	0	2
PD.3511	PL.24997	A	20T	7.32Y	122.0	0.00	3.00	0.54	0	4	1	97	0.00	0.0	6.831	0.005	0	0	0	2
PL.24998	PD.3511	A	6 A (CWC)	7.32Y	122.0	0.00	3.00	0.54	0	4	1	97	0.00	0.0	6.884	0.053	0	0	1	2
PL.24946	PL.24998	A	6 A (CWC)	7.32Y	122.0	0.00	3.00	0.50	0	4	1	97	0.00	0.0	6.927	0.043	4	1	1	1
PL.24763	PL.24762	ABC	#1/0 ACSR	7.32Y	122.0	0.02	3.01	10.98	5	231	70	96	0.03	0.0	6.912	0.086	0	0	0	60
PL.24943	PL.24763	ABC	#1/0 ACSR	7.32Y	122.0	0.01	3.03	10.65	5	224	68	96	0.02	0.0	6.981	0.069	3	1	1	59
PL.24944	PL.24943	ABC	#1/0 ACSR	7.32Y	122.0	0.01	3.04	10.53	5	221	67	96	0.02	0.0	7.052	0.072	0	0	0	58
PL.24938	PL.24944	B	6 A (CWC)	7.32Y	121.9	0.04	3.08	19.08	14	134	41	96	0.04	0.0	7.097	0.045	6	2	1	34
PL.25054	PL.24938	B	6 A (CWC)	7.32Y	121.9	0.00	3.08	18.17	13	127	39	96	0.00	0.0	7.100	0.003	0	0	0	33
PD.3539	PL.25054	B	50L	7.32Y	121.9	0.00	3.08	18.17	36	127	39	96	0.00	0.0	7.100	0.003	0	0	0	33

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: Hargett

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----			
																KW	KVAR	Cons On	Cons Thru	

PL.25055	PD.3539	B	6 A (CWC)	7.31Y	121.8	0.07	3.15	18.17	13	127	39	96	0.07	0.1	7.184	0.084	0	0	0	33
PL.24590	PL.25055	B	6 A (CWC)	7.31Y	121.8	0.00	3.15	0.66	0	5	1	98	0.00	0.0	7.264	0.080	5	1	1	1
PL.24831	PL.25055	B	6 A (CWC)	7.31Y	121.8	0.09	3.25	17.51	13	122	37	96	0.09	0.1	7.305	0.121	8	3	1	32
PL.24993	PL.24831	B	#1/0 ACSR	7.31Y	121.8	0.00	3.25	1.01	0	7	2	96	0.00	0.0	7.310	0.005	0	0	0	2
PD.3509	PL.24993	B	20T	7.31Y	121.8	0.00	3.25	1.01	0	7	2	96	0.00	0.0	7.310	0.005	0	0	0	2
PL.24994	PD.3509	B	#1/0 ACSR	7.31Y	121.8	0.00	3.25	1.01	0	7	2	96	0.00	0.0	7.337	0.027	7	2	2	2
PL.24591	PL.24831	B	6 A (CWC)	7.31Y	121.8	0.00	3.25	0.39	0	3	1	95	0.00	0.0	7.365	0.059	3	1	1	2
PL.24592	PL.24591	B	#1/0 ACSR	7.31Y	121.8	0.00	3.25	0.01	0	0	0	100	0.00	0.0	7.407	0.042	0	0	1	1
PL.24832	PL.24831	B	6 A (CWC)	7.30Y	121.7	0.06	3.31	14.93	11	104	32	96	0.05	0.0	7.392	0.087	0	0	0	27
PL.24593	PL.24832	B	6 A (CWC)	7.30Y	121.7	0.02	3.32	2.51	2	18	5	96	0.00	0.0	7.573	0.182	7	2	1	4
PL.24594	PL.24593	B	6 A (CWC)	7.30Y	121.7	0.01	3.33	1.52	1	11	3	96	0.00	0.0	7.668	0.095	0	0	0	3
PL.24767	PL.24594	B	6 A (CWC)	7.30Y	121.7	0.01	3.34	1.52	1	11	3	96	0.00	0.0	7.783	0.114	0	0	0	3
PL.24814	PL.24767	B	6 A (CWC)	7.30Y	121.7	0.01	3.34	1.52	1	11	3	96	0.00	0.0	7.883	0.100	0	0	0	3
PL.24936	PL.24814	B	6 A (CWC)	7.30Y	121.7	0.00	3.35	1.52	1	11	3	96	0.00	0.0	7.959	0.077	5	2	1	3
PL.24937	PL.24936	B	6 A (CWC)	7.30Y	121.6	0.00	3.35	0.79	1	6	2	95	0.00	0.0	8.094	0.135	0	0	0	2
PL.24815	PL.24937	B	6 A (CWC)	7.30Y	121.6	0.00	3.36	0.79	1	6	2	95	0.00	0.0	8.214	0.120	0	0	0	2
PL.24816	PL.24815	B	6 A (CWC)	7.30Y	121.6	0.00	3.36	0.79	1	6	2	95	0.00	0.0	8.296	0.082	0	0	0	2
PL.24768	PL.24816	B	6 A (CWC)	7.30Y	121.6	0.00	3.36	0.30	0	2	1	89	0.00	0.0	8.439	0.143	2	1	1	1
PL.24596	PL.24816	B	6 A (CWC)	7.30Y	121.6	0.00	3.36	0.49	0	3	1	95	0.00	0.0	8.347	0.051	3	1	1	1
PL.24833	PL.24832	B	6 A (CWC)	7.30Y	121.6	0.07	3.37	12.42	9	87	26	96	0.04	0.0	7.513	0.121	9	3	1	23
PL.24829	PL.24833	B	#2 ACSR	7.30Y	121.6	0.00	3.37	1.09	1	8	2	97	0.00	0.0	7.581	0.068	0	0	0	2
PL.24597	PL.24829	B	#2 ACSR	7.30Y	121.6	0.00	3.37	0.20	0	1	0	100	0.00	0.0	7.595	0.014	1	0	1	1
PL.24830	PL.24829	B	#2 ACSR	7.30Y	121.6	0.00	3.38	0.89	1	6	2	95	0.00	0.0	7.639	0.058	6	2	1	1
PL.24834	PL.24833	B	6 A (CWC)	7.30Y	121.6	0.03	3.40	10.08	7	70	21	96	0.01	0.0	7.570	0.057	0	0	0	20
PL.24598	PL.24834	B	#1/0 ACSR	7.30Y	121.6	0.00	3.40	0.79	0	6	2	95	0.00	0.0	7.615	0.045	6	2	1	1
PL.24769	PL.24834	B	6 A (CWC)	7.29Y	121.6	0.03	3.43	9.29	7	65	20	96	0.02	0.0	7.644	0.074	0	0	0	19
PL.24599	PL.24769	B	6 A (CWC)	7.29Y	121.6	0.00	3.43	0.00	0	0	0	100	0.00	0.0	7.699	0.055	0	0	1	1
PL.24660	PL.24769	B	6 A (CWC)	7.29Y	121.5	0.03	3.46	9.29	7	65	20	96	0.01	0.0	7.713	0.069	9	3	1	18
PL.24661	PL.24660	B	6 A (CWC)	7.29Y	121.5	0.04	3.50	7.96	6	56	17	96	0.02	0.0	7.828	0.115	0	0	0	17
PL.24600	PL.24661	B	#4 ACSR	7.29Y	121.5	0.00	3.50	0.73	1	5	2	93	0.00	0.0	7.902	0.073	5	2	1	1
PL.24658	PL.24661	B	6 A (CWC)	7.29Y	121.5	0.04	3.54	7.23	5	50	15	96	0.01	0.0	7.940	0.112	3	1	1	16

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.24659	PL.24658	B	6 A (CWC)	7.29Y	121.4	0.02	3.56	6.77	5	47	14	96	0.01	0.0	8.014	0.074	0	0	0	15
PL.24835	PL.24659	B	6 A (CWC)	7.28Y	121.4	0.03	3.59	6.77	5	47	14	96	0.01	0.0	8.108	0.093	2	0	1	15
PL.24601	PL.24835	B	#1/0 ACSR	7.28Y	121.4	0.00	3.59	0.70	0	5	1	98	0.00	0.0	8.137	0.029	5	1	1	1
PL.24836	PL.24835	B	6 A (CWC)	7.28Y	121.4	0.01	3.60	5.85	4	41	12	96	0.00	0.0	8.149	0.041	0	0	1	13
PL.24602	PL.24836	B	#4 ACSR	7.28Y	121.4	0.02	3.62	5.85	4	41	12	96	0.00	0.0	8.220	0.072	10	3	2	12
PL.24603	PL.24602	B	6 A (CWC)	7.28Y	121.4	0.01	3.62	4.40	3	31	9	96	0.00	0.0	8.266	0.046	0	0	0	10
PL.24770	PL.24603	B	6 A (CWC)	7.28Y	121.4	0.00	3.63	0.45	0	3	1	95	0.00	0.0	8.339	0.072	3	1	1	1
PL.24589	PL.24603	B	6 A (CWC)	7.28Y	121.4	0.02	3.64	3.95	3	28	8	96	0.00	0.0	8.350	0.084	0	0	0	9
PL.24817	PL.24589	B	6 A (CWC)	7.28Y	121.3	0.02	3.66	3.95	3	28	8	96	0.00	0.0	8.445	0.095	0	0	0	9
PL.24964	PL.24817	B	6 A (CWC)	7.28Y	121.3	0.01	3.67	3.95	3	28	8	96	0.00	0.0	8.512	0.067	6	2	1	9
PL.24965	PL.24964	B	6 A (CWC)	7.28Y	121.3	0.00	3.67	3.02	2	21	6	96	0.00	0.0	8.540	0.028	0	0	0	8
PL.24604	PL.24965	B	#4 ACSR	7.28Y	121.3	0.00	3.67	0.16	0	1	0	100	0.00	0.0	8.636	0.096	1	0	1	1
PL.24771	PL.24965	B	6 A (CWC)	7.28Y	121.3	0.02	3.69	2.86	2	20	6	96	0.00	0.0	8.701	0.161	0	0	0	7
PL.24607	PL.24771	B	#4 ACSR	7.28Y	121.3	0.00	3.69	0.47	0	3	1	95	0.00	0.0	8.744	0.043	3	1	2	2
PL.24606	PL.24771	B	#1/0 ACSR	7.28Y	121.3	0.00	3.69	0.10	0	1	0	100	0.00	0.0	8.768	0.068	1	0	1	1
PL.24605	PL.24771	B	#1/0 ACSR	7.28Y	121.3	0.00	3.69	0.36	0	3	1	95	0.00	0.0	8.740	0.040	3	1	1	1
PL.24962	PL.24771	B	6 A (CWC)	7.28Y	121.3	0.01	3.70	1.93	1	13	4	96	0.00	0.0	8.884	0.183	10	3	1	3
PL.24963	PL.24962	B	6 A (CWC)	7.28Y	121.3	0.00	3.70	0.46	0	3	1	95	0.00	0.0	8.901	0.017	1	0	1	2
PL.24608	PL.24963	B	#4 ACSR	7.28Y	121.3	0.00	3.70	0.33	0	2	1	89	0.00	0.0	8.977	0.076	2	1	1	1
PL.25056	PL.24944	C	6 A (CWC)	7.32Y	122.0	0.00	3.04	12.50	9	87	27	96	0.00	0.0	7.055	0.003	0	0	0	24
PD.3540	PL.25056	C	50L	7.32Y	122.0	0.00	3.04	12.50	25	87	27	96	0.00	0.0	7.055	0.003	0	0	0	24
PL.25057	PD.3540	C	6 A (CWC)	7.31Y	121.9	0.09	3.13	12.50	9	87	27	96	0.06	0.1	7.205	0.150	0	0	0	24
PL.24826	PL.25057	C	6 A (CWC)	7.31Y	121.8	0.07	3.20	11.57	8	81	25	96	0.04	0.1	7.336	0.131	1	0	1	22
PL.24941	PL.24826	C	6 A (CWC)	7.30Y	121.7	0.05	3.25	8.15	6	57	17	96	0.02	0.0	7.488	0.152	7	2	2	16
PL.24942	PL.24941	C	6 A (CWC)	7.30Y	121.7	0.03	3.28	7.13	5	50	15	96	0.01	0.0	7.579	0.091	8	3	2	14
PL.24614	PL.24942	C	6 A (CWC)	7.30Y	121.7	0.00	3.28	0.40	0	3	1	95	0.00	0.0	7.683	0.104	3	1	1	1
PL.24823	PL.24942	C	6 A (CWC)	7.30Y	121.7	0.02	3.30	5.53	4	39	12	96	0.01	0.0	7.647	0.068	0	0	0	11
PL.24939	PL.24823	C	6 A (CWC)	7.30Y	121.7	0.03	3.32	4.73	3	33	10	96	0.01	0.0	7.807	0.161	15	5	1	10
PL.24940	PL.24939	C	6 A (CWC)	7.30Y	121.7	0.01	3.33	2.55	2	18	5	96	0.00	0.0	7.895	0.088	0	0	0	9
PL.24616	PL.24940	C	#4 ACSR	7.30Y	121.7	0.00	3.33	0.13	0	1	0	100	0.00	0.0	7.927	0.031	1	0	4	4
PL.24766	PL.24940	C	6 A (CWC)	7.30Y	121.7	0.01	3.35	2.27	2	16	5	95	0.00	0.0	8.035	0.140	0	0	0	4

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.24617	PL.24766	C	6 A (CWC)	7.30Y	121.7	0.00	3.35	0.37	0	3	1	95	0.00	0.0	8.095	0.061	3	1	1	1
PL.24619	PL.24766	C	#4 ACSR	7.30Y	121.6	0.00	3.35	0.96	1	7	2	96	0.00	0.0	8.193	0.158	7	2	1	1
PL.24618	PL.24766	C	#4 ACSR	7.30Y	121.7	0.00	3.35	0.95	1	7	2	96	0.00	0.0	8.077	0.042	7	2	2	2
PL.24615	PL.24940	C	6 A (CWC)	7.30Y	121.7	0.00	3.33	0.15	0	1	0	100	0.00	0.0	7.981	0.086	1	0	1	1
PL.24613	PL.24823	C	#4 ACSR	7.30Y	121.7	0.00	3.30	0.79	1	6	2	95	0.00	0.0	7.665	0.019	6	2	1	1
PL.24610	PL.24826	C	6 A (CWC)	7.31Y	121.8	0.01	3.21	3.23	2	23	7	96	0.00	0.0	7.420	0.084	0	0	0	5
PL.24611	PL.24610	C	6 A (CWC)	7.31Y	121.8	0.00	3.21	1.65	1	12	4	95	0.00	0.0	7.470	0.050	12	4	1	1
PL.24764	PL.24610	C	6 A (CWC)	7.31Y	121.8	0.00	3.21	1.58	1	11	3	96	0.00	0.0	7.467	0.047	2	0	1	4
PL.24643	PL.24764	C	#1/0 ACSR	7.31Y	121.8	0.00	3.22	1.35	1	9	3	95	0.00	0.0	7.561	0.094	0	0	0	3
PL.24612	PL.24643	C	#1/0 ACSR	7.31Y	121.8	0.00	3.22	0.33	0	2	1	89	0.00	0.0	7.618	0.058	2	1	1	1
PL.24765	PL.24643	C	#1/0 ACSR	7.31Y	121.8	0.00	3.22	1.02	0	7	2	96	0.00	0.0	7.689	0.128	7	2	2	2
PL.24609	PL.25057	C	6 A (CWC)	7.31Y	121.9	0.00	3.13	0.93	1	7	2	96	0.00	0.0	7.302	0.097	1	0	1	2
PL.24642	PL.24609	C	#1/0 ACSR	7.31Y	121.9	0.00	3.13	0.82	0	6	2	95	0.00	0.0	7.383	0.081	6	2	1	1
PL.24995	PL.24763	C	6 A (CWC)	7.32Y	122.0	0.00	3.01	0.98	1	7	2	96	0.00	0.0	6.916	0.005	0	0	0	1
PD.3510	PL.24995	C	20T	7.32Y	122.0	0.00	3.01	0.98	0	7	2	96	0.00	0.0	6.916	0.005	0	0	0	1
PL.24996	PD.3510	C	6 A (CWC)	7.32Y	122.0	0.00	3.02	0.98	1	7	2	96	0.00	0.0	6.968	0.051	7	2	1	1
PL.25038	PL.24762	C	6 A (CWC)	7.32Y	122.0	0.00	3.00	2.16	2	15	5	95	0.00	0.0	6.831	0.005	0	0	0	3
PD.3531	PL.25038	C	20T	7.32Y	122.0	0.00	3.00	2.16	0	15	5	95	0.00	0.0	6.831	0.005	0	0	0	3
PL.25039	PD.3531	C	6 A (CWC)	7.32Y	122.0	0.00	3.00	2.16	2	15	5	95	0.00	0.0	6.877	0.047	0	0	0	3
PL.24945	PL.25039	C	6 A (CWC)	7.32Y	122.0	0.01	3.01	2.16	2	15	5	95	0.00	0.0	6.991	0.114	5	1	1	3
PL.24588	PL.24945	C	#1/0 ACSR	7.32Y	122.0	0.00	3.01	1.51	1	11	3	96	0.00	0.0	7.039	0.047	11	3	2	2
PL.24999	PL.24761	A	6 A (CWC)	7.32Y	122.0	0.00	2.96	0.39	0	3	1	95	0.00	0.0	6.665	0.005	0	0	0	1
PD.3512	PL.24999	A	20T	7.32Y	122.0	0.00	2.96	0.39	0	3	1	95	0.00	0.0	6.665	0.005	0	0	0	1
PL.25000	PD.3512	A	6 A (CWC)	7.32Y	122.0	0.00	2.96	0.39	0	3	1	95	0.00	0.0	6.687	0.022	3	1	1	1
PL.25001	PL.24760	C	6 A (CWC)	7.32Y	122.1	0.00	2.94	0.63	0	4	1	97	0.00	0.0	6.580	0.005	0	0	0	1
PD.3513	PL.25001	C	20T	7.32Y	122.1	0.00	2.94	0.63	0	4	1	97	0.00	0.0	6.580	0.005	0	0	0	1
PL.25002	PD.3513	C	6 A (CWC)	7.32Y	122.1	0.00	2.94	0.63	0	4	1	97	0.00	0.0	6.606	0.026	4	1	1	1
PL.25003	PL.24948	C	#1/0 ACSR	7.32Y	122.1	0.00	2.92	0.48	0	3	1	95	0.00	0.0	6.467	0.005	0	0	0	1
PD.3514	PL.25003	C	20T	7.32Y	122.1	0.00	2.92	0.48	0	3	1	95	0.00	0.0	6.467	0.005	0	0	0	1
PL.25004	PD.3514	C	#1/0 ACSR	7.32Y	122.1	0.00	2.92	0.48	0	3	1	95	0.00	0.0	6.514	0.047	3	1	1	1
PL.25036	PL.24759	A	6 A (CWC)	7.33Y	122.1	0.00	2.90	1.11	1	8	2	97	0.00	0.0	6.397	0.005	0	0	0	1

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Balanced Voltage Drop Report
Source: Hargett

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.3530	PL.25036	A	20T	7.33Y	122.1	0.00	2.90	1.11	0	8	2	97	0.00	0.0	6.397	0.005	0	0	0	1
PL.25037	PD.3530	A	6 A (CWC)	7.33Y	122.1	0.00	2.91	1.11	1	8	2	97	0.00	0.0	6.574	0.177	8	2	1	1
PL.25012	PL.24585	C	6 A (CWC)	7.34Y	122.3	0.00	2.74	3.94	3	28	8	96	0.00	0.0	5.781	0.005	0	0	0	8
PD.3517	PL.25012	C	20T	7.34Y	122.3	0.00	2.74	3.94	0	28	8	96	0.00	0.0	5.781	0.005	0	0	0	8
PL.25013	PD.3517	C	6 A (CWC)	7.34Y	122.3	0.01	2.75	3.94	3	28	8	96	0.00	0.0	5.816	0.035	0	0	0	8
PL.24758	PL.25013	C	6 A (CWC)	7.34Y	122.3	0.00	2.75	0.50	0	4	1	97	0.00	0.0	5.870	0.054	4	1	2	2
PL.24955	PL.25013	C	#2 ACSR	7.34Y	122.3	0.00	2.75	3.45	2	24	7	96	0.00	0.0	5.828	0.012	7	2	1	6
PL.24956	PL.24955	C	#2 ACSR	7.33Y	122.2	0.00	2.75	2.41	1	17	5	96	0.00	0.0	5.897	0.069	9	3	1	5
PL.24623	PL.24956	C	6 A (CWC)	7.33Y	122.2	0.00	2.76	1.16	1	8	2	97	0.00	0.0	5.957	0.060	3	1	2	4
PL.24953	PL.24623	C	#4 ACSR	7.33Y	122.2	0.00	2.76	0.71	1	5	2	93	0.00	0.0	6.025	0.067	1	0	1	2
PL.24954	PL.24953	C	#4 ACSR	7.33Y	122.2	0.00	2.76	0.59	0	4	1	97	0.00	0.0	6.083	0.058	4	1	1	1
PL.25034	PL.24585	A	6 A (CWC)	7.34Y	122.3	0.00	2.74	2.28	2	16	5	95	0.00	0.0	5.781	0.004	0	0	0	3
PD.3529	PL.25034	A	20T	7.34Y	122.3	0.00	2.74	2.28	0	16	5	95	0.00	0.0	5.781	0.004	0	0	0	3
PL.25035	PD.3529	A	6 A (CWC)	7.34Y	122.3	0.00	2.74	2.28	2	16	5	95	0.00	0.0	5.843	0.062	16	5	2	3
PL.24952	PL.25035	A	6 A (CWC)	7.34Y	122.3	0.00	2.74	0.00	0	0	0	100	0.00	0.0	5.930	0.087	0	0	0	1
PL.24812	PL.24952	A	6 A (CWC)	7.34Y	122.3	0.00	2.74	0.00	0	0	0	100	0.00	0.0	6.040	0.110	0	0	1	1
PL.25032	PL.25061	A	6 A (CWC)	7.35Y	122.5	0.00	2.55	3.54	3	25	8	95	0.00	0.0	5.173	0.004	0	0	0	6
PD.3528	PL.25032	A	20T	7.35Y	122.5	0.00	2.55	3.54	0	25	8	95	0.00	0.0	5.173	0.004	0	0	0	6
PL.25033	PD.3528	A	6 A (CWC)	7.35Y	122.4	0.01	2.56	3.54	3	25	8	95	0.00	0.0	5.243	0.071	0	0	0	6
PL.24579	PL.25033	A	6 A (CWC)	7.35Y	122.4	0.01	2.57	3.19	2	22	7	95	0.00	0.0	5.322	0.079	4	1	1	5
PL.24583	PL.24579	A	#4 ACSR	7.35Y	122.4	0.00	2.57	2.55	2	18	5	96	0.00	0.0	5.364	0.041	0	0	0	4
PL.24808	PL.24583	A	#4 ACSR	7.34Y	122.4	0.02	2.59	2.55	2	18	5	96	0.00	0.0	5.551	0.188	0	0	0	4
PL.24581	PL.24808	A	#4 ACSR	7.34Y	122.4	0.00	2.60	1.13	1	8	2	97	0.00	0.0	5.662	0.111	8	2	1	1
PL.24754	PL.24808	A	#4 ACSR	7.34Y	122.4	0.01	2.60	1.42	1	10	3	96	0.00	0.0	5.677	0.126	0	0	1	3
PL.24810	PL.24754	A	#4 ACSR	7.34Y	122.4	0.01	2.61	1.41	1	10	3	96	0.00	0.0	5.827	0.150	0	0	0	2
PL.24809	PL.24810	A	#4 ACSR	7.34Y	122.4	0.00	2.62	1.41	1	10	3	96	0.00	0.0	5.897	0.070	0	0	0	2
PL.24580	PL.24809	A	#1/0 ACSR	7.34Y	122.4	0.00	2.62	1.41	1	10	3	96	0.00	0.0	6.011	0.114	0	0	0	2
PL.24909	PL.24580	A	#1/0 ACSR	7.34Y	122.4	0.00	2.62	1.41	1	10	3	96	0.00	0.0	6.125	0.113	2	1	1	2
PL.24910	PL.24909	A	#1/0 ACSR	7.34Y	122.4	0.00	2.63	1.12	0	8	2	97	0.00	0.0	6.281	0.157	0	0	0	1
PL.24811	PL.24910	A	#1/0 ACSR	7.34Y	122.4	0.00	2.63	1.12	0	8	2	97	0.00	0.0	6.349	0.067	8	2	1	1
PL.24755	PL.24809	A	#4 ACSR	7.34Y	122.4	0.00	2.62	0.00	0	0	0	100	0.00	0.0	5.912	0.015	0	0	0	0

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.24645	PL.24755	A	#4 ACSR	7.34Y	122.4	0.00	2.62	0.00	0	0	0	100	0.00	0.0	6.028	0.116	0	0	0	0
PL.24582	PL.25033	A	#2 ACSR	7.35Y	122.4	0.00	2.56	0.36	0	3	1	95	0.00	0.0	5.262	0.019	3	1	1	1
PL.24989	PL.25061	A	6 A (CWC)	7.35Y	122.4	0.01	2.55	26.63	19	187	57	96	0.01	0.0	5.173	0.004	0	0	0	43
PD.3507	PL.24989	A	20T	7.35Y	122.4	0.00	2.55	26.63	0	187	57	96	0.00	0.0	5.173	0.004	0	0	0	43
PL.24990	PD.3507	A	6 A (CWC)	7.34Y	122.4	0.04	2.59	26.63	19	187	57	96	0.05	0.0	5.204	0.032	2	1	1	43
PL.24933	PL.24990	A	6 A (CWC)	7.34Y	122.3	0.08	2.67	26.38	19	185	57	96	0.12	0.1	5.273	0.069	0	0	0	42
PL.24756	PL.24933	A	6 A (CWC)	7.34Y	122.3	0.01	2.69	24.94	18	175	53	96	0.02	0.0	5.285	0.012	7	2	1	39
PL.24925	PL.24756	A	6 A (CWC)	7.33Y	122.2	0.08	2.76	23.88	17	168	51	96	0.10	0.1	5.356	0.072	6	2	2	38
PL.24926	PL.24925	A	6 A (CWC)	7.33Y	122.2	0.04	2.81	22.99	16	161	49	96	0.05	0.0	5.397	0.041	20	6	3	36
PL.24628	PL.24926	A	6 A (CWC)	7.33Y	122.1	0.09	2.89	12.81	9	90	27	96	0.06	0.1	5.548	0.151	0	0	0	25
PL.24911	PL.24628	A	6 A (CWC)	7.33Y	122.1	0.01	2.90	1.18	1	8	3	94	0.00	0.0	5.666	0.118	1	0	1	3
PL.24912	PL.24911	A	6 A (CWC)	7.33Y	122.1	0.00	2.90	0.99	1	7	2	96	0.00	0.0	5.797	0.131	7	2	2	2
PL.24923	PL.24628	A	6 A (CWC)	7.32Y	122.1	0.03	2.92	11.63	8	82	25	96	0.02	0.0	5.597	0.049	0	0	0	22
PL.24924	PL.24923	A	6 A (CWC)	7.32Y	122.0	0.08	3.00	11.63	8	81	25	96	0.05	0.1	5.738	0.141	0	0	0	22
PL.24634	PL.24924	A	6 A (CWC)	7.31Y	121.9	0.11	3.10	10.66	8	75	23	96	0.06	0.1	5.955	0.217	0	0	0	21
PL.24633	PL.24634	A	6 A (CWC)	7.31Y	121.9	0.01	3.11	2.05	1	14	4	96	0.00	0.0	6.034	0.079	0	0	0	5
PL.24636	PL.24633	A	#4 ACSR	7.31Y	121.9	0.00	3.11	0.23	0	2	0	100	0.00	0.0	6.119	0.085	2	0	1	1
PL.24914	PL.24633	A	6 A (CWC)	7.31Y	121.9	0.00	3.11	0.35	0	2	1	89	0.00	0.0	6.143	0.109	0	0	1	3
PL.24915	PL.24914	A	6 A (CWC)	7.31Y	121.9	0.00	3.11	0.35	0	2	1	89	0.00	0.0	6.211	0.068	1	0	1	2
PL.24913	PL.24915	A	6 A (CWC)	7.31Y	121.9	0.00	3.11	0.21	0	1	0	100	0.00	0.0	6.298	0.087	1	0	1	1
PL.24637	PL.24633	A	#4 ACSR	7.31Y	121.9	0.00	3.11	1.47	1	10	3	96	0.00	0.0	6.082	0.048	10	3	1	1
PL.24635	PL.24634	A	6 A (CWC)	7.31Y	121.9	0.02	3.12	8.61	6	60	18	96	0.01	0.0	6.011	0.056	0	0	0	16
PL.24638	PL.24635	A	6 A (CWC)	7.31Y	121.8	0.05	3.18	6.65	5	46	14	96	0.02	0.0	6.198	0.188	6	2	2	14
PL.24639	PL.24638	A	6 A (CWC)	7.31Y	121.8	0.00	3.18	0.87	1	6	2	95	0.00	0.0	6.262	0.064	6	2	2	2
PL.24919	PL.24638	A	#4 ACSR	7.31Y	121.8	0.01	3.19	4.96	4	35	11	95	0.00	0.0	6.239	0.040	6	2	1	10
PL.24920	PL.24919	A	#4 ACSR	7.31Y	121.8	0.01	3.20	4.04	3	28	9	95	0.00	0.0	6.293	0.054	4	1	4	9
PL.24640	PL.24920	A	#1/0 ACSR	7.31Y	121.8	0.00	3.20	0.51	0	4	1	97	0.00	0.0	6.358	0.064	4	1	2	2
PL.24917	PL.24920	A	#4 ACSR	7.31Y	121.8	0.01	3.20	2.90	2	20	6	96	0.00	0.0	6.341	0.048	8	2	1	3
PL.24918	PL.24917	A	#4 ACSR	7.31Y	121.8	0.00	3.21	1.81	1	13	4	96	0.00	0.0	6.412	0.071	6	2	1	2
PL.24916	PL.24918	A	#4 ACSR	7.31Y	121.8	0.00	3.21	0.95	1	7	2	96	0.00	0.0	6.465	0.054	7	2	1	1
PL.24921	PL.24635	A	#2 ACSR	7.31Y	121.9	0.00	3.13	1.97	1	14	4	96	0.00	0.0	6.027	0.016	11	3	1	2

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Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.24922	PL.24921	A	#2 ACSR	7.31Y	121.9	0.00	3.13	0.44	0	3	1	95	0.00	0.0	6.104	0.078	3	1	1	1
PL.24632	PL.24634	A	#4 ACSR	7.31Y	121.9	0.00	3.10	0.00	0	0	0	100	0.00	0.0	6.010	0.055	0	0	0	0
PL.24641	PL.24924	A	#4 ACSR	7.32Y	122.0	0.00	3.00	0.97	1	7	2	96	0.00	0.0	5.797	0.060	7	2	1	1
PL.24626	PL.24926	A	#4 ACSR	7.33Y	122.2	0.03	2.83	7.36	6	52	16	96	0.01	0.0	5.495	0.098	7	2	1	8
PL.24629	PL.24626	A	#2 ACSR	7.33Y	122.2	0.01	2.84	2.09	1	15	4	97	0.00	0.0	5.617	0.122	7	2	1	2
PL.24630	PL.24629	A	#2 ACSR	7.33Y	122.2	0.00	2.84	1.14	1	8	2	97	0.00	0.0	5.654	0.037	8	2	1	1
PL.24927	PL.24626	A	#2 ACSR	7.33Y	122.2	0.00	2.84	4.21	2	30	9	96	0.00	0.0	5.546	0.051	18	5	2	5
PL.24928	PL.24927	A	#2 ACSR	7.33Y	122.2	0.00	2.84	1.64	1	11	3	96	0.00	0.0	5.602	0.055	1	0	1	3
PL.24631	PL.24928	A	#4 ACSR	7.33Y	122.2	0.00	2.85	0.92	1	6	2	95	0.00	0.0	5.727	0.125	6	2	1	1
PL.24929	PL.24928	A	#2 ACSR	7.33Y	122.2	0.00	2.84	0.52	0	4	1	97	0.00	0.0	5.668	0.067	0	0	0	1
PL.24930	PL.24929	A	#2 ACSR	7.33Y	122.2	0.00	2.84	0.52	0	4	1	97	0.00	0.0	5.715	0.046	4	1	1	1
PL.24627	PL.24926	A	#2 ACSR	7.33Y	122.2	0.00	2.81	0.00	0	0	0	100	0.00	0.0	5.483	0.086	0	0	0	0
PL.24584	PL.24933	A	6 A (CWC)	7.34Y	122.3	0.00	2.67	1.45	1	10	3	96	0.00	0.0	5.314	0.041	10	3	3	3
CP.36	PL.25060	ABC	Cap (300)	7.35Y	122.5	0.00	2.50	0.00	0	0	0	100	0.00	0.0	5.086	0.041	0	0	0	0
PL.24991	PL.24807	C	6 A (CWC)	7.36Y	122.6	0.00	2.38	1.22	1	9	3	95	0.00	0.0	4.853	0.005	0	0	0	2
PD.3508	PL.24991	C	20T	7.36Y	122.6	0.00	2.38	1.22	0	9	3	95	0.00	0.0	4.853	0.005	0	0	0	2
PL.24992	PD.3508	C	6 A (CWC)	7.36Y	122.6	0.00	2.38	1.22	1	9	3	95	0.00	0.0	4.953	0.100	9	3	2	2
PL.24578	PL.24805	A	6 A (CWC)	7.36Y	122.7	0.04	2.31	4.34	3	31	9	96	0.01	0.0	4.830	0.191	0	0	0	6
PL.24806	PL.24578	A	6 A (CWC)	7.36Y	122.7	0.00	2.31	4.34	3	31	9	96	0.00	0.0	4.835	0.005	0	0	0	6
PD.3503	PL.24806	A	20T	7.36Y	122.7	0.00	2.31	4.34	0	31	9	96	0.00	0.0	4.835	0.005	0	0	0	6
PL.24750	PD.3503	A	6 A (CWC)	7.36Y	122.7	0.02	2.33	4.34	3	31	9	96	0.00	0.0	4.913	0.078	0	0	0	6
PL.24621	PL.24750	A	6 A (CWC)	7.36Y	122.7	0.00	2.33	0.61	0	4	1	97	0.00	0.0	4.938	0.024	4	1	2	2
PL.24622	PL.24750	A	6 A (CWC)	7.36Y	122.7	0.01	2.34	3.63	3	26	8	96	0.00	0.0	4.998	0.084	0	0	0	3
PL.24752	PL.24622	A	6 A (CWC)	7.36Y	122.7	0.00	2.34	0.88	1	6	2	95	0.00	0.0	5.164	0.166	6	2	1	1
PL.24644	PL.24622	A	#4 ACSR	7.36Y	122.6	0.01	2.35	2.74	2	19	6	95	0.00	0.0	5.145	0.147	10	3	1	2
PL.24772	PL.24644	A	#4 ACSR	7.36Y	122.6	0.00	2.35	1.29	1	9	3	95	0.00	0.0	5.198	0.053	9	3	1	1
PL.24751	PL.24750	A	6 A (CWC)	7.36Y	122.7	0.00	2.33	0.09	0	1	0	100	0.00	0.0	4.996	0.083	1	0	1	1
PL.24620	PD.3503	A	6 A (CWC)	7.36Y	122.7	0.00	2.31	0.00	0	0	0	100	0.00	0.0	4.963	0.128	0	0	0	0
PL.25028	PL.24841	A	#1/0 ACSR	7.39Y	123.2	0.00	1.80	0.06	0	0	0	100	0.00	0.0	3.846	0.005	0	0	0	1
PD.3526	PL.25028	A	65T	7.39Y	123.2	0.00	1.80	0.06	0	0	0	100	0.00	0.0	3.846	0.005	0	0	0	1
PL.25029	PD.3526	A	#1/0 ACSR	7.39Y	123.2	0.00	1.80	0.06	0	0	0	100	0.00	0.0	3.890	0.044	0	0	1	1

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Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.25050	PL.24841	C	6 A (CWC)	7.39Y	123.2	0.00	1.80	9.33	7	66	20	96	0.00	0.0	3.844	0.003	0	0	0	21
PD.3537	PL.25050	C	50L	7.39Y	123.2	0.00	1.80	9.33	19	66	20	96	0.00	0.0	3.844	0.003	0	0	0	21
PL.25051	PD.3537	C	6 A (CWC)	7.39Y	123.1	0.08	1.87	9.33	7	66	20	96	0.04	0.1	4.019	0.175	0	0	0	21
PL.24744	PL.25051	C	6 A (CWC)	7.39Y	123.1	0.00	1.87	0.96	1	7	2	96	0.00	0.0	4.089	0.070	7	2	1	1
PL.24546	PL.25051	C	6 A (CWC)	7.39Y	123.1	0.04	1.91	8.37	6	59	18	96	0.02	0.0	4.118	0.099	0	0	0	20
PL.24788	PL.24546	C	6 A (CWC)	7.38Y	123.1	0.04	1.95	8.37	6	59	18	96	0.02	0.0	4.211	0.093	0	0	0	20
PL.24563	PL.24788	C	6 A (CWC)	7.38Y	123.0	0.04	1.98	8.37	6	59	18	96	0.02	0.0	4.304	0.093	0	0	0	20
PL.24820	PL.24563	C	6 A (CWC)	7.38Y	123.0	0.04	2.02	8.37	6	59	18	96	0.02	0.0	4.407	0.103	0	0	0	20
PL.24789	PL.24820	C	6 A (CWC)	7.38Y	122.9	0.04	2.06	8.37	6	59	18	96	0.02	0.0	4.503	0.096	0	0	0	20
PL.24821	PL.24789	C	6 A (CWC)	7.37Y	122.9	0.04	2.10	8.37	6	59	18	96	0.02	0.0	4.602	0.099	0	0	0	20
PL.24790	PL.24821	C	6 A (CWC)	7.37Y	122.9	0.04	2.13	8.37	6	59	18	96	0.02	0.0	4.699	0.096	0	0	0	20
PL.24822	PL.24790	C	6 A (CWC)	7.37Y	122.8	0.05	2.18	8.37	6	59	18	96	0.02	0.0	4.829	0.130	0	0	0	20
PL.24562	PL.24822	C	6 A (CWC)	7.37Y	122.8	0.02	2.20	7.40	5	52	16	96	0.01	0.0	4.887	0.058	0	0	0	18
PL.24653	PL.24562	C	#4 ACSR	7.37Y	122.8	0.01	2.21	7.40	6	52	16	96	0.00	0.0	4.907	0.020	0	0	0	18
PL.24559	PL.24653	C	#4 ACSR	7.36Y	122.7	0.04	2.25	7.40	6	52	16	96	0.02	0.0	5.032	0.124	0	0	0	18
PL.24558	PL.24559	C	#4 ACSR	7.36Y	122.7	0.03	2.29	5.34	4	38	11	96	0.01	0.0	5.184	0.153	8	2	1	14
PL.24560	PL.24558	C	#4 ACSR	7.36Y	122.7	0.00	2.29	0.42	0	3	1	95	0.00	0.0	5.252	0.067	0	0	0	6
PL.24561	PL.24560	C	#4 ACSR	7.36Y	122.7	0.00	2.29	0.16	0	1	0	100	0.00	0.0	5.330	0.078	1	0	2	4
PL.25014	PL.24561	C	#1/0 ACSR	7.36Y	122.7	0.00	2.29	0.06	0	0	0	100	0.00	0.0	5.334	0.005	0	0	0	2
PD.3519	PL.25014	C	20T	7.36Y	122.7	0.00	2.29	0.06	0	0	0	100	0.00	0.0	5.334	0.005	0	0	0	2
PL.25015	PD.3519	C	#1/0 ACSR	7.36Y	122.7	0.00	2.29	0.06	0	0	0	100	0.00	0.0	5.474	0.139	0	0	0	2
PL.24792	PL.25015	C	#1/0 ACSR	7.36Y	122.7	0.00	2.29	0.06	0	0	0	100	0.00	0.0	5.590	0.116	0	0	0	2
PL.24819	PL.24792	C	#1/0 ACSR	7.36Y	122.7	0.00	2.29	0.06	0	0	0	100	0.00	0.0	5.664	0.074	0	0	0	2
PL.24793	PL.24819	C	#1/0 ACSR	7.36Y	122.7	0.00	2.29	0.06	0	0	0	100	0.00	0.0	5.822	0.157	0	0	0	2
PL.24794	PL.24793	C	#1/0 ACSR	7.36Y	122.7	0.00	2.29	0.06	0	0	0	100	0.00	0.0	5.887	0.066	0	0	2	2
PL.24745	PL.24560	C	#4 ACSR	7.36Y	122.7	0.00	2.29	0.26	0	2	1	89	0.00	0.0	5.372	0.120	2	1	2	2
PL.24554	PL.24554	C	#4 ACSR	7.36Y	122.7	0.01	2.30	3.83	3	27	8	96	0.00	0.0	5.263	0.079	0	0	0	7
PL.24556	PL.24554	C	#1/0 ACSR	7.36Y	122.7	0.00	2.30	3.83	2	27	8	96	0.00	0.0	5.268	0.005	0	0	0	7
PD.3518	PL.24556	C	20T	7.36Y	122.7	0.00	2.30	3.83	0	27	8	96	0.00	0.0	5.268	0.005	0	0	0	7
PL.24960	PD.3518	C	#1/0 ACSR	7.36Y	122.7	0.00	2.30	3.11	1	22	7	95	0.00	0.0	5.304	0.036	11	3	1	6
PL.24961	PL.24960	C	#1/0 ACSR	7.36Y	122.7	0.00	2.30	1.59	1	11	3	96	0.00	0.0	5.360	0.055	1	0	1	5

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

Balanced Voltage Drop Report
Source: Hargett

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.24959	PL.24961	C	#1/0 ACSR	7.36Y	122.7	0.00	2.30	1.39	1	10	3	96	0.00	0.0	5.399	0.040	0	0	0	4
PL.24957	PL.24959	C	#1/0 ACSR	7.36Y	122.7	0.00	2.31	1.39	1	10	3	96	0.00	0.0	5.513	0.114	5	1	2	3
PL.24958	PL.24957	C	#1/0 ACSR	7.36Y	122.7	0.00	2.31	0.71	0	5	2	93	0.00	0.0	5.562	0.048	5	2	1	1
PL.24557	PL.24959	C	#1/0 ACSR	7.36Y	122.7	0.00	2.30	0.00	0	0	0	100	0.00	0.0	5.511	0.111	0	0	1	1
PL.24555	PD.3518	C	#1/0 ACSR	7.36Y	122.7	0.00	2.30	0.71	0	5	2	93	0.00	0.0	5.356	0.088	5	2	1	1
PL.24552	PL.24559	C	6 A (CWC)	7.36Y	122.7	0.01	2.26	2.06	1	15	4	97	0.00	0.0	5.145	0.113	8	2	1	4
PL.24553	PL.24552	C	6 A (CWC)	7.36Y	122.7	0.00	2.26	0.96	1	7	2	96	0.00	0.0	5.199	0.054	0	0	0	3
PL.25046	PL.24553	C	6 A (CWC)	7.36Y	122.7	0.00	2.26	0.96	1	7	2	96	0.00	0.0	5.203	0.005	0	0	0	3
PD.3535	PL.25046	C	20T	7.36Y	122.7	0.00	2.26	0.96	0	7	2	96	0.00	0.0	5.203	0.005	0	0	0	3
PL.25047	PD.3535	C	6 A (CWC)	7.36Y	122.7	0.00	2.27	0.96	1	7	2	96	0.00	0.0	5.331	0.128	6	2	2	3
PL.24551	PL.25047	C	#2 ACSR	7.36Y	122.7	0.00	2.27	0.07	0	0	0	100	0.00	0.0	5.408	0.077	0	0	1	1
PL.24662	PL.24822	C	#4 ACSR	7.37Y	122.8	0.00	2.18	0.97	1	7	2	96	0.00	0.0	4.834	0.005	0	0	0	2
PD.3476	PL.24662	C	20T	7.37Y	122.8	0.00	2.18	0.97	0	7	2	96	0.00	0.0	4.834	0.005	0	0	0	2
PL.24663	PD.3476	C	#4 ACSR	7.37Y	122.8	0.01	2.19	0.97	1	7	2	96	0.00	0.0	4.960	0.126	0	0	0	2
PL.24818	PL.24663	C	#4 ACSR	7.37Y	122.8	0.01	2.20	0.97	1	7	2	96	0.00	0.0	5.121	0.162	0	0	0	2
PL.24791	PL.24818	C	#4 ACSR	7.37Y	122.8	0.01	2.20	0.97	1	7	2	96	0.00	0.0	5.240	0.119	0	0	0	2
PL.24857	PL.24791	C	#4 ACSR	7.37Y	122.8	0.01	2.21	0.97	1	7	2	96	0.00	0.0	5.367	0.127	0	0	1	2
PL.24858	PL.24857	C	#4 ACSR	7.37Y	122.8	0.00	2.21	0.96	1	7	2	96	0.00	0.0	5.523	0.156	7	2	1	1
PL.24696	PL.24843	A	6 A (CWC)	7.42Y	123.6	0.00	1.42	2.08	1	15	4	97	0.00	0.0	3.375	0.005	0	0	0	5
PD.3493	PL.24696	A	15T	7.42Y	123.6	0.00	1.42	2.08	0	15	4	97	0.00	0.0	3.375	0.005	0	0	0	5
PL.24966	PD.3493	A	6 A (CWC)	7.41Y	123.6	0.00	1.42	2.08	1	15	4	97	0.00	0.0	3.416	0.041	3	1	2	5
PL.24896	PL.24966	A	6 A (CWC)	7.41Y	123.6	0.01	1.43	1.66	1	12	4	95	0.00	0.0	3.578	0.162	2	1	1	3
PL.24893	PL.24896	A	6 A (CWC)	7.41Y	123.6	0.00	1.43	1.33	1	9	3	95	0.00	0.0	3.635	0.058	3	1	1	2
PL.24541	PL.24893	A	#2 ACSR	7.41Y	123.6	0.00	1.43	0.86	0	6	2	95	0.00	0.0	3.687	0.051	6	2	1	1
PL.24969	PL.24844	C	#2 ACSR	7.42Y	123.7	0.00	1.30	0.95	1	7	2	96	0.00	0.0	3.244	0.005	0	0	0	1
PD.3495	PL.24969	C	65T	7.42Y	123.7	0.00	1.30	0.95	0	7	2	96	0.00	0.0	3.244	0.005	0	0	0	1
PL.24970	PD.3495	C	#2 ACSR	7.42Y	123.7	0.00	1.31	0.95	1	7	2	96	0.00	0.0	3.303	0.059	7	2	1	1
PL.24973	PL.24866	A	#1/0 ACSR	7.44Y	124.1	0.00	0.93	1.30	1	9	3	95	0.00	0.0	2.676	0.005	0	0	0	2
PD.3497	PL.24973	A	65T	7.44Y	124.1	0.00	0.93	1.30	0	9	3	95	0.00	0.0	2.676	0.005	0	0	0	2
PL.24974	PD.3497	A	#1/0 ACSR	7.44Y	124.1	0.00	0.93	1.30	1	9	3	95	0.00	0.0	2.705	0.029	9	3	2	2
PL.24670	PL.24850	A	#1/0 ACSR	7.45Y	124.2	0.00	0.82	1.41	1	10	3	96	0.00	0.0	2.401	0.005	0	0	0	1

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Balanced Voltage Drop Report
Source: Hargett

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.3480	PL.24670	A	65T	7.45Y	124.2	0.00	0.82	1.41	0	10	3	96	0.00	0.0	2.401	0.005	0	0	0	1
PL.24671	PD.3480	A	#1/0 ACSR	7.45Y	124.2	0.00	0.82	1.41	1	10	3	96	0.00	0.0	2.425	0.024	10	3	1	1
PL.24668	PL.24738	C	#2 ACSR	7.45Y	124.2	0.00	0.78	0.70	0	5	2	93	0.00	0.0	2.324	0.005	0	0	0	1
PD.3479	PL.24668	C	65T	7.45Y	124.2	0.00	0.78	0.70	0	5	2	93	0.00	0.0	2.324	0.005	0	0	0	1
PL.24669	PD.3479	C	#2 ACSR	7.45Y	124.2	0.00	0.78	0.70	0	5	2	93	0.00	0.0	2.346	0.021	5	2	1	1
PL.24682	PL.24737	A	#2 ACSR	7.45Y	124.2	0.00	0.76	0.49	0	3	1	95	0.00	0.0	2.263	0.005	0	0	0	1
PD.3486	PL.24682	A	65T	7.45Y	124.2	0.00	0.76	0.49	0	3	1	95	0.00	0.0	2.263	0.005	0	0	0	1
PL.24683	PD.3486	A	#2 ACSR	7.45Y	124.2	0.00	0.76	0.49	0	3	1	95	0.00	0.0	2.334	0.071	3	1	1	1
PL.24680	PL.24852	C	#1/0 ACSR	7.46Y	124.3	0.00	0.74	0.20	0	1	0	100	0.00	0.0	2.222	0.005	0	0	0	1
PD.3485	PL.24680	C	65T	7.46Y	124.3	0.00	0.74	0.20	0	1	0	100	0.00	0.0	2.222	0.005	0	0	0	1
PL.24681	PD.3485	C	#1/0 ACSR	7.46Y	124.3	0.00	0.74	0.20	0	1	0	100	0.00	0.0	2.240	0.018	1	0	1	1
PL.24678	PL.24872	A	#1/0 ACSR	7.46Y	124.3	0.00	0.70	0.46	0	3	1	95	0.00	0.0	2.131	0.005	0	0	0	2
PD.3484	PL.24678	A	65T	7.46Y	124.3	0.00	0.70	0.46	0	3	1	95	0.00	0.0	2.131	0.005	0	0	0	2
PL.24679	PD.3484	A	#1/0 ACSR	7.46Y	124.3	0.00	0.70	0.46	0	3	1	95	0.00	0.0	2.159	0.028	3	1	2	2
PL.25040	PL.24856	A	#1/0 ACSR	7.46Y	124.4	0.00	0.63	0.00	0	0	0	100	0.00	0.0	1.965	0.005	0	0	0	1
PD.3532	PL.25040	A	65T	7.46Y	124.4	0.00	0.63	0.00	0	0	0	100	0.00	0.0	1.965	0.005	0	0	0	1
PL.25041	PD.3532	A	#1/0 ACSR	7.46Y	124.4	0.00	0.63	0.00	0	0	0	100	0.00	0.0	1.996	0.031	0	0	1	1
PL.24676	PL.24870	A	#1/0 ACSR	7.46Y	124.4	0.00	0.60	1.06	0	8	2	97	0.00	0.0	1.904	0.005	0	0	0	2
PD.3483	PL.24676	A	65T	7.46Y	124.4	0.00	0.60	1.06	0	8	2	97	0.00	0.0	1.904	0.005	0	0	0	2
PL.24677	PD.3483	A	#1/0 ACSR	7.46Y	124.4	0.00	0.60	1.06	0	8	2	97	0.00	0.0	1.982	0.078	8	2	2	2
PL.24534	PL.24677	A	6 A (CWC)	7.46Y	124.4	0.00	0.60	0.00	0	0	0	100	0.00	0.0	2.082	0.101	0	0	0	0
PL.24666	PL.24783	C	#1/0 ACSR	7.47Y	124.5	0.00	0.48	0.45	0	3	1	95	0.00	0.0	1.652	0.005	0	0	0	3
PD.3478	PL.24666	C	15T	7.47Y	124.5	0.00	0.48	0.45	0	3	1	95	0.00	0.0	1.652	0.005	0	0	0	3
PL.24667	PD.3478	C	#1/0 ACSR	7.47Y	124.5	0.00	0.48	0.45	0	3	1	95	0.00	0.0	1.698	0.046	0	0	1	3
PL.24859	PL.24667	C	#4 ACSR	7.47Y	124.5	0.00	0.48	0.45	0	3	1	95	0.00	0.0	1.713	0.015	0	0	1	2
PL.24860	PL.24859	C	#4 ACSR	7.47Y	124.5	0.00	0.48	0.45	0	3	1	95	0.00	0.0	1.772	0.059	3	1	1	1
PL.21526	Hargett	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	102.07	20	2172	746	95	0.01	0.0	0.005	0.005	0	0	0	450
PL.72941	PL.21526	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	102.07	20	2172	745	95	0.01	0.0	0.009	0.004	0	0	0	450

----- Feeder No. 2 (Dry Branch F2) Beginning with Device PD.11204 -----

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.11204	PL.72941	ABC	360VWE	7.50Y	125.0	0.00	0.00	102.07	0	2172	745	95	0.00	0.0	0.009	0.004	0	0	0	450
PL.21527	PD.11204	ABC	397 SPACER	7.50Y	124.9	0.05	0.06	102.07	20	2172	745	95	0.21	0.0	0.161	0.153	7	2	2	450
PL.22224	PL.21527	ABC	397 SPACER	7.49Y	124.9	0.06	0.11	101.73	20	2165	741	95	0.21	0.0	0.317	0.155	0	0	0	448
PL.21770	PL.22224	A	#4 ACSR	7.49Y	124.9	0.00	0.11	0.16	0	1	0	100	0.00	0.0	0.321	0.004	0	0	0	1
PD.3200	PL.21770	A	65T	7.49Y	124.9	0.00	0.11	0.16	0	1	0	100	0.00	0.0	0.321	0.004	0	0	0	1
PL.21771	PD.3200	A	#4 ACSR	7.49Y	124.9	0.00	0.11	0.16	0	1	0	100	0.00	0.0	0.367	0.046	1	0	1	1
PL.22062	PL.22224	A	6 A (CWC)	7.49Y	124.9	0.00	0.11	1.60	1	11	3	96	0.00	0.0	0.328	0.011	0	0	0	3
PD.3176	PL.22062	A	65T	7.49Y	124.9	0.00	0.11	1.60	0	11	3	96	0.00	0.0	0.328	0.011	0	0	0	3
PL.22338	PD.3176	A	6 A (CWC)	7.49Y	124.9	0.00	0.11	1.60	1	11	3	96	0.00	0.0	0.332	0.004	2	0	2	3
PL.22225	PL.22338	A	6 A (CWC)	7.49Y	124.9	0.01	0.12	1.38	1	10	3	96	0.00	0.0	0.414	0.082	0	0	0	1
PL.21719	PL.22225	A	#4 ACSR	7.49Y	124.9	0.00	0.12	1.38	1	10	3	96	0.00	0.0	0.466	0.052	10	3	1	1
PL.21916	PL.22224	ABC	397 SPACER	7.49Y	124.8	0.04	0.15	101.15	19	2152	734	95	0.15	0.0	0.427	0.110	0	0	0	444
PL.22063	PL.21916	A	#4 ACSR	7.49Y	124.8	0.00	0.15	0.93	1	7	2	96	0.00	0.0	0.437	0.010	0	0	0	1
PD.3171	PL.22063	A	65T	7.49Y	124.8	0.00	0.15	0.93	0	7	2	96	0.00	0.0	0.437	0.010	0	0	0	1
PL.22330	PD.3171	A	#4 ACSR	7.49Y	124.8	0.00	0.15	0.93	1	7	2	96	0.00	0.0	0.485	0.048	7	2	1	1
PL.21917	PL.21916	ABC	397 SPACER	7.49Y	124.8	0.02	0.18	98.92	19	2104	718	95	0.09	0.0	0.497	0.070	1	0	1	433
PL.22066	PL.21917	ABC	397 SPACER	7.49Y	124.8	0.02	0.19	98.85	19	2102	716	95	0.07	0.0	0.548	0.051	6	2	1	432
PL.22242	PL.22066	ABC	397 SPACER	7.49Y	124.8	0.01	0.21	98.20	19	2088	711	95	0.05	0.0	0.588	0.039	6	2	1	429
PL.22243	PL.22242	ABC	397 SPACER	7.49Y	124.8	0.01	0.22	97.94	19	2083	709	95	0.05	0.0	0.629	0.041	8	2	1	428
PL.22241	PL.22243	ABC	397 SPACER	7.49Y	124.8	0.01	0.24	97.59	19	2075	706	95	0.05	0.0	0.671	0.041	8	2	1	427
PL.22044	PL.22241	ABC	397 SPACER	7.48Y	124.7	0.04	0.27	97.21	19	2067	703	95	0.14	0.0	0.782	0.111	0	0	0	426
PL.22235	PL.22044	ABC	397 SPACER	7.48Y	124.7	0.01	0.28	95.47	18	2029	690	95	0.04	0.0	0.813	0.031	3	1	1	414
PL.22236	PL.22235	ABC	397 SPACER	7.48Y	124.7	0.04	0.32	95.32	18	2026	689	95	0.13	0.0	0.918	0.106	0	0	0	413
PL.21920	PL.22236	ABC	397 SPACER	7.48Y	124.7	0.01	0.33	94.29	18	2004	680	95	0.05	0.0	0.957	0.039	4	1	1	407
PL.22045	PL.21920	ABC	397 SPACER	7.48Y	124.6	0.04	0.37	94.10	18	2000	679	95	0.13	0.0	1.065	0.108	0	0	0	406
PL.21921	PL.22045	ABC	397 SPACER	7.48Y	124.6	0.05	0.41	91.74	18	1949	662	95	0.16	0.0	1.211	0.146	12	4	2	404
PL.22203	PL.21921	ABC	336 MCM AC	7.47Y	124.6	0.03	0.44	91.19	18	1937	656	95	0.30	0.0	1.253	0.042	0	0	1	402
PL.22204	PL.22203	ABC	336 MCM AC	7.47Y	124.4	0.11	0.55	91.18	18	1936	656	95	1.03	0.1	1.400	0.147	0	0	0	401
PL.22300	PL.22204	C	#2 ACSR	7.47Y	124.4	0.00	0.55	0.68	0	5	1	98	0.00	0.0	1.404	0.005	0	0	0	2
PD.3156	PL.22300	C	65T	7.47Y	124.4	0.00	0.55	0.68	0	5	1	98	0.00	0.0	1.404	0.005	0	0	0	2
PL.22301	PD.3156	C	#2 ACSR	7.47Y	124.4	0.00	0.55	0.68	0	5	1	98	0.00	0.0	1.413	0.008	5	1	2	2

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Balanced Voltage Drop Report
Source: Hargett

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.22197	PL.22204	ABC	336 MCM AC	7.46Y	124.4	0.07	0.62	90.95	18	1930	652	95	0.67	0.0	1.496	0.096	0	0	1	399
PL.22198	PL.22197	ABC	336 MCM AC	7.46Y	124.3	0.04	0.66	90.95	18	1930	650	95	0.37	0.0	1.548	0.053	9	3	1	398
PL.22067	PL.22198	ABC	336 MCM AC	7.46Y	124.3	0.09	0.74	90.32	17	1916	645	95	0.83	0.0	1.669	0.121	0	0	0	395
PL.22343	PL.22067	C	#2 ACSR	7.46Y	124.3	0.00	0.74	1.47	1	10	3	96	0.00	0.0	1.674	0.005	0	0	0	1
PD.3179	PL.22343	C	65T	7.46Y	124.3	0.00	0.74	1.47	0	10	3	96	0.00	0.0	1.674	0.005	0	0	0	1
PL.22344	PD.3179	C	#2 ACSR	7.46Y	124.3	0.00	0.75	1.47	1	10	3	96	0.00	0.0	1.789	0.115	10	3	1	1
PL.22298	PL.22067	C	#2 ACSR	7.46Y	124.3	0.00	0.74	2.63	2	19	6	95	0.00	0.0	1.674	0.005	0	0	0	2
PD.3155	PL.22298	C	65T	7.46Y	124.3	0.00	0.74	2.63	0	19	6	95	0.00	0.0	1.674	0.005	0	0	0	2
PL.22299	PD.3155	C	#2 ACSR	7.46Y	124.3	0.00	0.75	2.63	2	19	6	95	0.00	0.0	1.749	0.075	19	6	2	2
PL.22345	PL.22067	ABC	336 MCM AC	7.46Y	124.3	0.00	0.75	88.95	17	1886	634	95	0.03	0.0	1.673	0.004	0	0	0	392
PL.22346	PL.22345	ABC	336 MCM AC	7.45Y	124.2	0.06	0.80	88.95	17	1886	634	95	0.54	0.0	1.755	0.081	0	0	0	392
PL.21922	PL.22346	ABC	336 MCM AC	7.44Y	124.1	0.12	0.92	88.82	17	1882	632	95	1.12	0.1	1.923	0.168	0	0	0	390
PL.22349	PL.21922	A	#1/0 ACSR	7.44Y	124.1	0.00	0.92	1.85	1	13	4	96	0.00	0.0	1.927	0.005	0	0	0	3
PD.3181	PL.22349	A	65T	7.44Y	124.1	0.00	0.92	1.85	0	13	4	96	0.00	0.0	1.927	0.005	0	0	0	3
PL.22350	PD.3181	A	#1/0 ACSR	7.44Y	124.1	0.00	0.92	1.85	1	13	4	96	0.00	0.0	1.977	0.050	5	1	1	3
PL.22202	PL.22350	A	#1/0 ACSR	7.44Y	124.1	0.00	0.92	1.16	1	8	3	94	0.00	0.0	2.005	0.028	8	2	1	2
PL.22199	PL.22202	A	#1/0 ACSR	7.44Y	124.1	0.00	0.92	0.07	0	1	0	100	0.00	0.0	2.053	0.048	1	0	1	1
PL.21923	PL.21922	ABC	336 MCM AC	7.44Y	124.0	0.07	0.99	88.20	17	1868	626	95	0.62	0.0	2.018	0.095	0	0	0	387
PL.21732	PL.21923	A	#1/0 ACSR	7.44Y	124.0	0.00	0.99	0.21	0	2	0	100	0.00	0.0	2.022	0.005	0	0	0	1
PD.3182	PL.21732	A	65T	7.44Y	124.0	0.00	0.99	0.21	0	2	0	100	0.00	0.0	2.022	0.005	0	0	0	1
PL.21733	PD.3182	A	#1/0 ACSR	7.44Y	124.0	0.00	0.99	0.00	0	0	0	100	0.00	0.0	2.071	0.048	0	0	0	0
PL.21924	PD.3182	A	#1/0 ACSR	7.44Y	124.0	0.00	0.99	0.21	0	2	0	100	0.00	0.0	2.052	0.030	2	0	1	1
PL.22195	PL.21923	ABC	336 MCM AC	7.44Y	124.0	0.04	1.03	88.13	17	1866	624	95	0.38	0.0	2.075	0.058	5	1	2	386
PL.22196	PL.22195	ABC	336 MCM AC	7.44Y	123.9	0.03	1.06	87.91	17	1861	621	95	0.33	0.0	2.126	0.050	6	2	1	384
PL.22353	PL.22196	ABC	336 MCM AC	7.43Y	123.9	0.07	1.13	87.62	17	1854	619	95	0.63	0.0	2.223	0.097	0	0	0	383
PL.22354	PL.22353	ABC	336 MCM AC	7.43Y	123.9	0.00	1.13	87.62	17	1854	617	95	0.03	0.0	2.227	0.004	0	0	0	383
PL.22304	PL.22304	A	#2 ACSR	7.43Y	123.9	0.00	1.13	0.83	0	6	2	95	0.00	0.0	2.232	0.005	0	0	0	2
PD.3158	PL.22304	A	65T	7.43Y	123.9	0.00	1.13	0.83	0	6	2	95	0.00	0.0	2.232	0.005	0	0	0	2
PL.22305	PD.3158	A	#2 ACSR	7.43Y	123.9	0.00	1.13	0.83	0	6	2	95	0.00	0.0	2.244	0.012	6	2	2	2
PL.22351	PL.22354	A	#2 ACSR	7.43Y	123.9	0.00	1.13	1.83	1	13	4	96	0.00	0.0	2.232	0.005	0	0	0	5
PD.3183	PL.22351	A	65T	7.43Y	123.9	0.00	1.13	1.83	0	13	4	96	0.00	0.0	2.232	0.005	0	0	0	5

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Balanced Voltage Drop Report
Source: Hargett

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.22352	PD.3183	A	#2 ACSR	7.43Y	123.9	0.01	1.14	1.83	1	13	4	96	0.00	0.0	2.417	0.186	3	1	2	5
PL.22200	PL.22352	A	#1/0 ACSR	7.43Y	123.9	0.00	1.14	1.48	1	10	3	96	0.00	0.0	2.455	0.038	6	2	1	3
PL.22201	PL.22200	A	#1/0 ACSR	7.43Y	123.9	0.00	1.14	0.57	0	4	1	97	0.00	0.0	2.520	0.065	2	1	1	2
PL.21734	PL.22201	A	#1/0 ACSR	7.43Y	123.9	0.00	1.14	0.26	0	2	1	89	0.00	0.0	2.552	0.032	2	1	1	1
PL.22205	PL.22354	ABC	336 MCM AC	7.43Y	123.8	0.04	1.17	86.73	17	1835	611	95	0.39	0.0	2.288	0.061	13	4	2	376
PL.22206	PL.22205	ABC	336 MCM AC	7.43Y	123.8	0.03	1.21	86.13	17	1821	607	95	0.30	0.0	2.336	0.047	0	0	0	374
PL.21735	PL.22206	ABC	336 MCM AC	7.42Y	123.7	0.06	1.27	86.13	17	1821	606	95	0.54	0.0	2.422	0.087	0	0	0	374
PL.21737	PL.21735	A	#2 ACSR	7.42Y	123.7	0.00	1.27	1.00	1	7	2	96	0.00	0.0	2.442	0.019	0	0	0	3
PL.22302	PL.21737	A	6 A (CWC)	7.42Y	123.7	0.00	1.27	1.00	1	7	2	96	0.00	0.0	2.446	0.005	0	0	0	3
PD.3157	PL.22302	A	65T	7.42Y	123.7	0.00	1.27	1.00	0	7	2	96	0.00	0.0	2.446	0.005	0	0	0	3
PL.22303	PD.3157	A	6 A (CWC)	7.42Y	123.7	0.00	1.27	1.00	1	7	2	96	0.00	0.0	2.510	0.064	0	0	0	3
PL.21738	PL.22303	A	6 A (CWC)	7.42Y	123.7	0.00	1.27	1.00	1	7	2	96	0.00	0.0	2.567	0.057	7	2	3	3
PL.22259	PL.22303	A	6 A (CWC)	7.42Y	123.7	0.00	1.27	0.00	0	0	0	100	0.00	0.0	2.600	0.090	0	0	0	0
PL.21736	PL.21735	A	#2 ACSR	7.42Y	123.7	0.01	1.28	6.58	4	47	14	96	0.00	0.0	2.497	0.075	6	2	1	11
PL.22306	PL.21736	A	6 A (CWC)	7.42Y	123.7	0.00	1.28	5.68	4	40	12	96	0.00	0.0	2.502	0.005	0	0	0	10
PD.3159	PL.22306	A	65T	7.42Y	123.7	0.00	1.28	5.68	0	40	12	96	0.00	0.0	2.502	0.005	0	0	0	10
PL.22307	PD.3159	A	6 A (CWC)	7.42Y	123.7	0.03	1.31	5.68	4	40	12	96	0.01	0.0	2.618	0.116	0	0	0	10
PL.21871	PL.22307	A	6 A (CWC)	7.42Y	123.7	0.02	1.33	5.68	4	40	12	96	0.01	0.0	2.688	0.070	0	0	0	10
PL.21926	PL.21871	A	6 A (CWC)	7.42Y	123.6	0.02	1.35	4.89	3	35	11	95	0.01	0.0	2.796	0.108	0	0	0	8
PL.22252	PL.21926	A	6 A (CWC)	7.42Y	123.6	0.02	1.38	4.89	3	35	11	95	0.01	0.0	2.900	0.104	4	1	1	8
PL.22253	PL.22252	A	6 A (CWC)	7.42Y	123.6	0.01	1.39	4.34	3	31	9	96	0.00	0.0	2.960	0.060	5	1	1	7
PL.22068	PL.22253	A	6 A (CWC)	7.42Y	123.6	0.01	1.40	2.89	2	21	6	96	0.00	0.0	3.037	0.077	0	0	0	5
PL.21873	PL.22068	A	6 A (CWC)	7.42Y	123.6	0.01	1.41	2.89	2	21	6	96	0.00	0.0	3.093	0.056	4	1	1	5
PL.22254	PL.21873	A	#4 ACSR	7.42Y	123.6	0.01	1.41	2.35	2	17	5	96	0.00	0.0	3.145	0.053	1	0	2	4
PL.22255	PL.22254	A	#4 ACSR	7.42Y	123.6	0.01	1.42	2.21	2	16	5	95	0.00	0.0	3.219	0.074	10	3	1	2
PL.22256	PL.22255	A	#4 ACSR	7.41Y	123.6	0.00	1.42	0.82	1	6	2	95	0.00	0.0	3.298	0.079	0	0	0	1
PL.21874	PL.22256	A	#4 ACSR	7.41Y	123.6	0.00	1.42	0.82	1	6	2	95	0.00	0.0	3.368	0.070	6	2	1	1
PL.21872	PL.22253	A	#2 ACSR	7.42Y	123.6	0.00	1.39	0.78	0	6	2	95	0.00	0.0	3.042	0.082	6	2	1	1
PL.22250	PL.21871	A	6 A (CWC)	7.42Y	123.7	0.00	1.33	0.80	1	6	2	95	0.00	0.0	2.739	0.051	3	1	1	2
PL.22251	PL.22250	A	6 A (CWC)	7.42Y	123.7	0.00	1.33	0.42	0	3	1	95	0.00	0.0	2.777	0.037	3	1	1	1
PL.21925	PL.21735	ABC	336 MCM AC	7.42Y	123.6	0.11	1.38	83.60	16	1767	588	95	0.99	0.1	2.591	0.169	0	0	0	360

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.21927	PL.21925	ABC	336 MCM AC	7.41Y	123.6	0.04	1.42	83.60	16	1766	586	95	0.38	0.0	2.655	0.064	0	0	0	360
PL.22310	PL.21927	C	#2 ACSR	7.41Y	123.6	0.00	1.42	1.78	1	13	4	96	0.00	0.0	2.709	0.054	0	0	0	2
PD.3161	PL.22310	C	65T	7.41Y	123.6	0.00	1.42	1.78	0	13	4	96	0.00	0.0	2.709	0.054	0	0	0	2
PL.22311	PD.3161	C	#2 ACSR	7.41Y	123.6	0.01	1.43	1.78	1	13	4	96	0.00	0.0	2.844	0.135	3	1	1	2
PL.22208	PL.22311	C	#2 ACSR	7.41Y	123.6	0.00	1.43	1.42	1	10	3	96	0.00	0.0	2.882	0.037	10	3	1	1
PL.21739	PL.21927	ABC	#1/0 ACSR	7.41Y	123.5	0.04	1.46	83.01	36	1753	581	95	0.43	0.0	2.679	0.023	0	0	0	358
PL.21740	PL.21739	C	#4 ACSR	7.41Y	123.5	0.03	1.49	11.13	9	79	24	96	0.02	0.0	2.740	0.061	0	0	0	11
PL.21743	PL.21740	C	6 A (CWC)	7.41Y	123.5	0.03	1.51	10.83	8	77	23	96	0.01	0.0	2.793	0.053	6	2	1	9
PL.21766	PL.21743	C	6 A (CWC)	7.41Y	123.5	0.00	1.51	10.01	7	71	21	96	0.00	0.0	2.797	0.005	0	0	0	8
PD.3198	PL.21766	C	65T	7.41Y	123.5	0.00	1.51	10.01	0	71	21	96	0.00	0.0	2.797	0.005	0	0	0	8
PL.21767	PD.3198	C	6 A (CWC)	7.40Y	123.4	0.08	1.59	10.01	7	71	21	96	0.04	0.1	2.968	0.171	0	0	0	8
PL.22047	PL.21767	C	6 A (CWC)	7.40Y	123.4	0.04	1.63	10.01	7	71	21	96	0.02	0.0	3.058	0.090	0	0	0	8
PL.22060	PL.22047	C	6 A (CWC)	7.40Y	123.3	0.05	1.68	10.01	7	71	21	96	0.03	0.0	3.161	0.103	0	0	0	8
PL.22048	PL.22060	C	6 A (CWC)	7.40Y	123.3	0.05	1.73	10.01	7	71	21	96	0.03	0.0	3.272	0.111	0	0	0	8
PL.21746	PL.22048	C	6 A (CWC)	7.40Y	123.3	0.01	1.74	1.11	1	8	2	97	0.00	0.0	3.459	0.187	0	0	0	2
PL.21928	PL.21746	C	6 A (CWC)	7.40Y	123.3	0.00	1.75	0.37	0	3	1	95	0.00	0.0	3.638	0.179	0	0	0	1
PL.22049	PL.21928	C	6 A (CWC)	7.40Y	123.3	0.00	1.75	0.37	0	3	1	95	0.00	0.0	3.817	0.180	3	1	1	1
PL.21747	PL.21746	C	6 A (CWC)	7.40Y	123.3	0.00	1.74	0.74	1	5	2	93	0.00	0.0	3.557	0.098	5	2	1	1
PL.21745	PL.22048	C	6 A (CWC)	7.39Y	123.2	0.04	1.77	8.90	6	63	19	96	0.02	0.0	3.367	0.095	0	0	0	6
PL.22050	PL.21745	C	6 A (CWC)	7.39Y	123.2	0.04	1.81	8.90	6	63	19	96	0.02	0.0	3.467	0.100	0	0	0	6
PL.22193	PL.22050	C	#4 ACSR	7.39Y	123.2	0.03	1.84	8.90	7	63	19	96	0.01	0.0	3.536	0.069	8	2	1	6
PL.22194	PL.22193	C	#4 ACSR	7.39Y	123.2	0.01	1.84	7.76	6	55	16	96	0.00	0.0	3.556	0.020	3	1	1	5
PL.22177	PL.22194	C	#4 ACSR	7.39Y	123.1	0.02	1.87	7.05	5	50	15	96	0.01	0.0	3.633	0.077	6	2	1	3
PL.22178	PL.22177	C	#4 ACSR	7.39Y	123.1	0.02	1.89	6.27	5	44	13	96	0.01	0.0	3.702	0.069	0	0	0	2
PL.21748	PL.22178	C	#4 ACSR	7.39Y	123.1	0.00	1.89	5.23	4	37	11	96	0.00	0.0	3.724	0.021	37	11	1	1
PL.21749	PL.22178	C	#4 ACSR	7.39Y	123.1	0.00	1.89	1.04	1	7	2	96	0.00	0.0	3.777	0.074	7	2	1	1
PL.21959	PL.22194	C	2 AL URD	7.39Y	123.2	0.00	1.84	0.32	0	2	0	100	0.00	0.0	3.561	0.005	0	0	0	1
PD.3140	PL.21959	C	40T	7.39Y	123.2	0.00	1.84	0.32	0	2	0	100	0.00	0.0	3.561	0.005	0	0	0	1
PL.21960	PD.3140	C	2 AL URD	7.39Y	123.2	0.00	1.85	0.32	0	2	0	100	0.00	0.0	3.620	0.060	2	1	1	1
PL.22260	PL.21743	C	6 A (CWC)	7.41Y	123.5	0.00	1.51	0.00	0	0	0	100	0.00	0.0	2.797	0.005	0	0	0	0
PL.21742	PL.21740	C	6 A (CWC)	7.41Y	123.5	0.00	1.49	0.30	0	2	1	89	0.00	0.0	2.770	0.030	2	1	2	2

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Balanced Voltage Drop Report
Source: Hargett

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.21915	PL.21739	ABC	#1/0 ACSR	7.41Y	123.5	0.09	1.55	78.58	34	1658	552	95	1.05	0.1	2.742	0.064	0	0	0	345
PL.21929	PL.21915	ABC	#1/0 ACSR	7.40Y	123.4	0.05	1.60	71.26	31	1509	480	95	0.53	0.0	2.781	0.039	0	0	0	344
PL.21741	PL.21929	ABC	#1/0 ACSR	7.40Y	123.3	0.15	1.75	71.26	31	1509	479	95	1.53	0.1	2.895	0.113	0	0	0	344
PL.21973	PL.21741	C	6 A (CWC)	7.40Y	123.3	0.00	1.75	0.99	1	7	2	96	0.00	0.0	2.899	0.005	0	0	0	2
PD.3147	PL.21973	C	65T	7.40Y	123.3	0.00	1.75	0.99	0	7	2	96	0.00	0.0	2.899	0.005	0	0	0	2
PL.21974	PD.3147	C	6 A (CWC)	7.39Y	123.2	0.00	1.75	0.99	1	7	2	96	0.00	0.0	2.978	0.078	0	0	1	2
PL.21744	PL.21974	C	6 A (CWC)	7.39Y	123.2	0.00	1.75	0.98	1	7	2	96	0.00	0.0	3.055	0.077	7	2	1	1
PL.21930	PL.21741	ABC	#1/0 ACSR	7.39Y	123.2	0.06	1.81	70.93	31	1500	476	95	0.61	0.0	2.940	0.046	0	0	0	342
PL.21971	PL.21930	A	#4 ACSR	7.39Y	123.2	0.00	1.81	0.87	1	6	2	95	0.00	0.0	2.945	0.005	0	0	0	1
PD.3146	PL.21971	A	65T	7.39Y	123.2	0.00	1.81	0.87	0	6	2	95	0.00	0.0	2.945	0.005	0	0	0	1
PL.21972	PD.3146	A	#4 ACSR	7.39Y	123.2	0.00	1.81	0.87	1	6	2	95	0.00	0.0	2.973	0.028	6	2	1	1
PL.21931	PL.21930	ABC	#1/0 ACSR	7.38Y	123.1	0.12	1.93	70.64	31	1493	473	95	1.25	0.1	3.034	0.094	0	0	0	341
PL.22051	PL.21931	ABC	#1/0 ACSR	7.37Y	122.9	0.20	2.13	70.64	31	1492	472	95	2.02	0.1	3.186	0.152	0	0	0	341
PL.21932	PL.22051	ABC	#1/0 ACSR	7.37Y	122.8	0.03	2.15	69.88	30	1474	465	95	0.27	0.0	3.207	0.021	0	0	0	338
PL.21751	PL.21932	ABC	#1/0 ACSR	7.36Y	122.7	0.15	2.30	69.88	30	1474	465	95	1.52	0.1	3.324	0.117	0	0	0	338
PL.21933	PL.21751	ABC	#1/0 ACSR	7.36Y	122.6	0.08	2.38	69.28	30	1459	460	95	0.80	0.1	3.386	0.062	0	0	0	336
PL.22190	PL.21933	ABC	#1/0 ACSR	7.35Y	122.6	0.06	2.44	69.12	30	1455	458	95	0.59	0.0	3.433	0.046	9	3	1	335
PL.22191	PL.22190	ABC	#1/0 ACSR	7.35Y	122.5	0.03	2.48	68.69	30	1446	454	95	0.35	0.0	3.460	0.028	0	0	0	334
PL.22192	PL.22191	ABC	#1/0 ACSR	7.35Y	122.4	0.07	2.55	68.69	30	1445	454	95	0.74	0.1	3.519	0.059	0	0	0	334
PL.22355	PL.22192	C	6 A (CWC)	7.35Y	122.4	0.00	2.55	4.36	3	31	9	96	0.00	0.0	3.524	0.005	0	0	0	7
PD.3184	PL.22355	C	65T	7.35Y	122.4	0.00	2.55	4.36	0	31	9	96	0.00	0.0	3.524	0.005	0	0	0	7
PL.22356	PD.3184	C	6 A (CWC)	7.35Y	122.4	0.02	2.57	4.36	3	31	9	96	0.00	0.0	3.622	0.098	5	1	1	7
PL.21753	PL.22356	C	6 A (CWC)	7.35Y	122.4	0.00	2.57	1.32	1	9	3	95	0.00	0.0	3.687	0.065	9	3	1	1
PL.22071	PL.22356	C	6 A (CWC)	7.35Y	122.4	0.01	2.58	2.34	2	16	5	95	0.00	0.0	3.694	0.072	4	1	1	5
PL.22069	PL.22071	C	#4 ACSR	7.35Y	122.4	0.00	2.58	0.94	1	7	2	96	0.00	0.0	3.756	0.062	0	0	0	3
PL.21756	PL.22069	C	#4 ACSR	7.35Y	122.4	0.00	2.58	0.94	1	7	2	96	0.00	0.0	3.772	0.017	7	2	3	3
PL.22070	PL.22071	C	#4 ACSR	7.35Y	122.4	0.00	2.58	0.88	1	6	2	95	0.00	0.0	3.746	0.052	6	2	1	1
PL.22182	PL.22192	ABC	#1/0 ACSR	7.34Y	122.4	0.05	2.60	66.98	29	1409	442	95	0.49	0.0	3.561	0.042	14	4	3	326
PL.22183	PL.22182	ABC	#1/0 ACSR	7.34Y	122.3	0.06	2.66	66.33	29	1394	438	95	0.60	0.0	3.612	0.051	6	2	2	323
PL.21963	PL.22183	C	#4 ACSR	7.34Y	122.3	0.00	2.66	1.82	1	13	4	96	0.00	0.0	3.617	0.005	0	0	0	2
PD.3142	PL.21963	C	65T	7.34Y	122.3	0.00	2.66	1.82	0	13	4	96	0.00	0.0	3.617	0.005	0	0	0	2

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Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.21964	PD.3142	C	#4 ACSR	7.34Y	122.3	0.00	2.67	1.82	1	13	4	96	0.00	0.0	3.648	0.031	5	2	1	2
PL.21755	PL.21964	C	#4 ACSR	7.34Y	122.3	0.00	2.67	1.11	1	8	2	97	0.00	0.0	3.740	0.092	8	2	1	1
PL.22180	PL.22183	ABC	#1/0 ACSR	7.34Y	122.3	0.08	2.75	65.45	28	1375	432	95	0.79	0.1	3.682	0.070	10	3	2	319
PL.22181	PL.22180	ABC	#1/0 ACSR	7.33Y	122.1	0.12	2.86	64.98	28	1364	428	95	1.09	0.1	3.779	0.097	7	2	3	317
PL.22073	PL.22181	ABC	#1/0 ACSR	7.32Y	122.1	0.08	2.94	64.48	28	1353	424	95	0.73	0.1	3.844	0.066	0	0	0	312
PL.21965	PL.22073	A	#2 ACSR	7.32Y	122.1	0.00	2.94	7.15	4	50	15	96	0.00	0.0	3.849	0.005	0	0	0	9
PD.3143	PL.21965	A	65T	7.32Y	122.1	0.00	2.94	7.15	0	50	15	96	0.00	0.0	3.849	0.005	0	0	0	9
PL.21966	PD.3143	A	#2 ACSR	7.32Y	122.0	0.01	2.96	7.15	4	50	15	96	0.01	0.0	3.918	0.069	7	2	1	9
PL.21757	PL.21966	A	6 A (CWC)	7.32Y	122.0	0.02	2.97	6.19	4	43	13	96	0.01	0.0	3.971	0.054	0	0	0	8
PL.21758	PL.21757	A	#1/0 ACSR	7.32Y	122.0	0.00	2.97	1.16	1	8	2	97	0.00	0.0	4.015	0.044	8	2	1	1
PL.22074	PL.21757	A	6 A (CWC)	7.32Y	122.0	0.03	3.00	5.03	4	35	11	95	0.01	0.0	4.103	0.131	0	0	0	7
PL.22075	PL.22074	A	6 A (CWC)	7.32Y	122.0	0.00	3.01	2.52	2	18	5	96	0.00	0.0	4.139	0.036	0	0	0	3
PL.21854	PL.22075	A	#4 ACSR	7.32Y	122.0	0.00	3.01	1.86	1	13	4	96	0.00	0.0	4.207	0.068	13	4	1	1
PL.21855	PL.22075	A	6 A (CWC)	7.32Y	122.0	0.00	3.01	0.66	0	5	1	98	0.00	0.0	4.223	0.084	5	1	2	2
PL.22188	PL.22074	A	#4 ACSR	7.32Y	122.0	0.01	3.01	2.51	2	18	5	96	0.00	0.0	4.162	0.060	6	2	1	4
PL.22187	PL.22188	A	#4 ACSR	7.32Y	122.0	0.00	3.01	1.62	1	11	3	96	0.00	0.0	4.213	0.050	0	0	0	3
PL.21853	PL.22187	A	#4 ACSR	7.32Y	122.0	0.00	3.01	0.80	1	6	2	95	0.00	0.0	4.355	0.143	6	2	1	1
PL.22223	PL.22187	A	#4 ACSR	7.32Y	122.0	0.00	3.01	0.81	1	6	2	95	0.00	0.0	4.257	0.045	2	1	1	2
PL.22222	PL.22223	A	#4 ACSR	7.32Y	122.0	0.00	3.01	0.50	0	3	1	95	0.00	0.0	4.310	0.053	3	1	1	1
PL.22184	PL.22073	ABC	#1/0 ACSR	7.32Y	122.0	0.03	2.97	62.09	27	1302	408	95	0.26	0.0	3.870	0.025	1	0	1	303
PL.22185	PL.22184	ABC	#1/0 ACSR	7.31Y	121.9	0.17	3.14	62.06	27	1301	407	95	1.53	0.1	4.019	0.149	6	2	1	302
PL.21969	PL.22185	A	#4 ACSR	7.31Y	121.9	0.00	3.14	0.46	0	3	1	95	0.00	0.0	4.024	0.005	0	0	0	1
PD.3145	PL.21969	A	65T	7.31Y	121.9	0.00	3.14	0.46	0	3	1	95	0.00	0.0	4.024	0.005	0	0	0	1
PL.21970	PD.3145	A	#4 ACSR	7.31Y	121.9	0.00	3.14	0.46	0	3	1	95	0.00	0.0	4.075	0.051	3	1	1	1
PL.22186	PL.21970	A	#4 ACSR	7.31Y	121.9	0.00	3.14	0.00	0	0	0	100	0.00	0.0	4.102	0.027	0	0	0	0
PL.22076	PL.22185	ABC	#1/0 ACSR	7.31Y	121.8	0.08	3.22	61.60	27	1290	403	95	0.76	0.1	4.094	0.075	0	0	0	300
PL.22218	PL.22076	ABC	#1/0 ACSR	7.30Y	121.7	0.03	3.25	61.45	27	1286	401	95	0.25	0.0	4.119	0.025	11	3	4	299
PL.22219	PL.22218	ABC	#1/0 ACSR	7.30Y	121.6	0.10	3.36	60.92	26	1275	397	95	0.92	0.1	4.212	0.093	0	0	0	295
PL.21851	PL.22219	A	#4 ACSR	7.30Y	121.6	0.00	3.36	1.55	1	11	3	96	0.00	0.0	4.237	0.025	0	0	0	2
PL.22322	PL.21851	A	#4 ACSR	7.30Y	121.6	0.00	3.36	1.55	1	11	3	96	0.00	0.0	4.242	0.005	0	0	0	2
PD.3167	PL.22322	A	65T	7.30Y	121.6	0.00	3.36	1.55	0	11	3	96	0.00	0.0	4.242	0.005	0	0	0	2

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.22323	PD.3167	A	#4 ACSR	7.30Y	121.6	0.00	3.36	1.55	1	11	3	96	0.00	0.0	4.284	0.042	0	0	0	2
PL.21852	PL.22323	A	#4 ACSR	7.30Y	121.6	0.00	3.36	0.36	0	2	1	89	0.00	0.0	4.314	0.031	2	1	1	1
PL.21934	PL.22323	A	#4 ACSR	7.30Y	121.6	0.00	3.36	1.19	1	8	3	94	0.00	0.0	4.308	0.025	8	3	1	1
PL.22081	PL.22219	ABC	#1/0 ACSR	7.30Y	121.6	0.05	3.41	60.41	26	1263	393	95	0.48	0.0	4.262	0.050	17	5	3	293
PL.22359	PL.22081	C	6 A (CWC)	7.30Y	121.6	0.00	3.41	1.02	1	7	2	96	0.00	0.0	4.266	0.005	0	0	0	3
PD.3186	PL.22359	C	65T	7.30Y	121.6	0.00	3.41	1.02	0	7	2	96	0.00	0.0	4.266	0.005	0	0	0	3
PL.22360	PD.3186	C	6 A (CWC)	7.30Y	121.6	0.00	3.41	1.02	1	7	2	96	0.00	0.0	4.328	0.062	0	0	0	3
PL.21850	PL.22360	C	#4 ACSR	7.30Y	121.6	0.00	3.42	1.02	1	7	2	96	0.00	0.0	4.386	0.058	0	0	1	3
PL.22209	PL.21850	C	#4 ACSR	7.30Y	121.6	0.00	3.42	1.01	1	7	2	96	0.00	0.0	4.415	0.029	7	2	2	2
PL.22210	PL.22209	C	#4 ACSR	7.30Y	121.6	0.00	3.42	0.00	0	0	0	100	0.00	0.0	4.453	0.038	0	0	0	0
PL.22082	PL.22081	ABC	#1/0 ACSR	7.29Y	121.5	0.09	3.50	58.90	26	1231	383	95	0.81	0.1	4.349	0.088	0	0	0	286
PL.22312	PL.22082	C	#4 ACSR	7.29Y	121.5	0.00	3.50	0.19	0	1	0	100	0.00	0.0	4.354	0.005	0	0	0	1
PD.3162	PL.22312	C	65T	7.29Y	121.5	0.00	3.50	0.19	0	1	0	100	0.00	0.0	4.354	0.005	0	0	0	1
PL.22313	PD.3162	C	#4 ACSR	7.29Y	121.5	0.00	3.50	0.19	0	1	0	100	0.00	0.0	4.370	0.016	1	0	1	1
PL.22211	PL.22082	ABC	#1/0 ACSR	7.29Y	121.4	0.06	3.57	58.74	26	1227	381	96	0.52	0.0	4.406	0.057	2	0	1	284
PL.22212	PL.22211	ABC	#1/0 ACSR	7.28Y	121.4	0.08	3.64	58.66	26	1225	381	95	0.65	0.1	4.478	0.072	7	2	1	283
PL.22363	PL.22212	C	#4 ACSR	7.28Y	121.4	0.00	3.64	1.04	1	7	2	96	0.00	0.0	4.483	0.004	0	0	0	3
PD.3188	PL.22363	C	65T	7.28Y	121.4	0.00	3.64	1.04	0	7	2	96	0.00	0.0	4.483	0.004	0	0	0	3
PL.22364	PD.3188	C	#4 ACSR	7.28Y	121.4	0.00	3.65	1.04	1	7	2	96	0.00	0.0	4.542	0.060	0	0	0	3
PL.21856	PL.22364	C	#4 ACSR	7.28Y	121.4	0.00	3.65	0.60	0	4	1	97	0.00	0.0	4.576	0.034	4	1	1	1
PL.21935	PL.22364	C	#4 ACSR	7.28Y	121.4	0.00	3.65	0.44	0	3	1	95	0.00	0.0	4.624	0.082	3	1	2	2
PL.22318	PL.22212	A	6 A (CWC)	7.28Y	121.4	0.00	3.64	0.00	0	0	0	100	0.00	0.0	4.483	0.005	0	0	0	0
PD.3165	PL.22318	A	65T	7.28Y	121.4	0.00	3.64	0.00	0	0	0	100	0.00	0.0	4.483	0.005	0	0	0	0
PL.22319	PD.3165	A	6 A (CWC)	7.28Y	121.4	0.00	3.64	0.00	0	0	0	100	0.00	0.0	4.530	0.048	0	0	0	0
PL.22216	PL.22212	ABC	#1/0 ACSR	7.28Y	121.3	0.07	3.71	57.99	25	1210	376	95	0.56	0.0	4.541	0.063	0	0	0	279
PL.22217	PL.22216	ABC	#1/0 ACSR	7.27Y	121.2	0.04	3.75	57.99	25	1209	375	96	0.37	0.0	4.582	0.041	2	1	1	279
PL.22087	PL.22217	ABC	#1/0 ACSR	7.27Y	121.1	0.10	3.86	57.81	25	1205	374	96	0.87	0.1	4.680	0.097	0	0	0	277
PL.21858	PL.22087	ABC	#1/0 ACSR	7.27Y	121.1	0.01	3.86	56.17	24	1170	362	96	0.07	0.0	4.687	0.008	8	3	1	268
PL.22244	PL.21858	ABC	#4 ACSR	7.27Y	121.1	0.00	3.87	1.07	1	22	7	95	0.00	0.0	4.729	0.042	4	1	1	2
PL.22245	PL.22244	ABC	#4 ACSR	7.27Y	121.1	0.00	3.87	0.85	1	18	5	96	0.00	0.0	4.740	0.010	18	5	1	1
PL.22213	PL.21858	ABC	#1/0 ACSR	7.26Y	121.1	0.06	3.93	54.70	24	1139	353	96	0.48	0.0	4.747	0.060	0	0	1	265

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.22214	PL.22213	ABC	#1/0 ACSR	7.26Y	121.1	0.02	3.95	54.70	24	1139	353	96	0.19	0.0	4.771	0.024	9	3	3	264
PL.22092	PL.22214	ABC	#1/0 ACSR	7.26Y	121.0	0.08	4.03	52.85	23	1100	341	96	0.64	0.1	4.857	0.086	1	0	1	254
PL.22367	PL.22092	C	6 A (CWC)	7.26Y	121.0	0.00	4.03	0.30	0	2	1	89	0.00	0.0	4.862	0.005	0	0	0	1
PD.3190	PL.22367	C	65T	7.26Y	121.0	0.00	4.03	0.30	0	2	1	89	0.00	0.0	4.862	0.005	0	0	0	1
PL.22368	PD.3190	C	6 A (CWC)	7.26Y	121.0	0.00	4.03	0.30	0	2	1	89	0.00	0.0	4.918	0.057	2	1	1	1
PL.22326	PL.22092	A	#4 ACSR	7.26Y	121.0	0.00	4.03	2.19	2	15	5	95	0.00	0.0	4.861	0.005	0	0	0	3
PD.3169	PL.22326	A	65T	7.26Y	121.0	0.00	4.03	2.19	0	15	5	95	0.00	0.0	4.861	0.005	0	0	0	3
PL.22327	PD.3169	A	#4 ACSR	7.26Y	121.0	0.00	4.04	2.19	2	15	5	95	0.00	0.0	4.924	0.062	15	5	3	3
PL.22093	PL.22092	ABC	#1/0 ACSR	7.25Y	120.9	0.06	4.09	51.96	23	1081	334	96	0.43	0.0	4.916	0.059	0	0	0	249
PL.22220	PL.22093	ABC	#1/0 ACSR	7.25Y	120.9	0.02	4.11	51.78	23	1077	333	96	0.14	0.0	4.936	0.020	7	2	2	248
PL.22221	PL.22220	ABC	#1/0 ACSR	7.25Y	120.8	0.09	4.19	51.43	22	1069	330	96	0.64	0.1	5.027	0.091	0	0	0	246
PL.22287	PL.22221	C	#4 ACSR	7.25Y	120.8	0.00	4.19	1.95	2	14	4	96	0.00	0.0	5.031	0.005	0	0	0	3
PD.3127	PL.22287	C	65T	7.25Y	120.8	0.00	4.19	1.95	0	14	4	96	0.00	0.0	5.031	0.005	0	0	0	3
PL.22288	PD.3127	C	#4 ACSR	7.25Y	120.8	0.00	4.20	1.95	2	14	4	96	0.00	0.0	5.073	0.042	9	3	2	3
PL.21861	PL.22288	C	#4 ACSR	7.25Y	120.8	0.00	4.20	0.69	1	5	1	98	0.00	0.0	5.160	0.087	5	1	1	1
PL.22095	PL.22221	ABC	#1/0 ACSR	7.24Y	120.7	0.09	4.29	50.52	22	1050	324	96	0.68	0.1	5.127	0.101	3	1	1	242
PL.22285	PL.22095	C	#4 ACSR	7.24Y	120.7	0.00	4.29	1.35	1	9	3	95	0.00	0.0	5.132	0.005	0	0	0	1
PD.3126	PL.22285	C	65T	7.24Y	120.7	0.00	4.29	1.35	0	9	3	95	0.00	0.0	5.132	0.005	0	0	0	1
PL.22286	PD.3126	C	#4 ACSR	7.24Y	120.7	0.00	4.29	1.35	1	9	3	95	0.00	0.0	5.180	0.048	9	3	1	1
PL.22096	PL.22095	ABC	#1/0 ACSR	7.24Y	120.6	0.08	4.36	49.94	22	1037	320	96	0.56	0.1	5.212	0.084	0	0	0	240
PL.21936	PL.22096	ABC	#1/0 ACSR	7.23Y	120.6	0.08	4.44	49.03	21	1017	313	96	0.53	0.1	5.296	0.084	12	4	2	237
PL.66258	PL.21936	ABC	#1/0 ACSR	7.23Y	120.5	0.06	4.50	48.43	21	1005	309	96	0.41	0.0	5.362	0.066	0	0	0	235
PD.10006	PL.66258	ABC	70L	7.23Y	120.5	0.00	4.50	48.43	69	1004	309	96	0.00	0.0	5.362	0.066	0	0	0	235
PL.66259	PD.10006	ABC	#1/0 ACSR	7.23Y	120.5	0.02	4.52	48.43	21	1004	309	96	0.14	0.0	5.385	0.023	11	3	3	235
PL.22100	PL.66259	ABC	#1/0 ACSR	7.23Y	120.4	0.06	4.57	46.36	20	961	296	96	0.38	0.0	5.451	0.067	0	0	0	226
PL.22289	PL.22100	C	6 A (CWC)	7.23Y	120.4	0.00	4.57	6.27	4	43	13	96	0.00	0.0	5.456	0.005	0	0	0	14
PD.3128	PL.22289	C	65T	7.23Y	120.4	0.00	4.57	6.27	0	43	13	96	0.00	0.0	5.456	0.005	0	0	0	14
PL.22290	PD.3128	C	6 A (CWC)	7.22Y	120.4	0.01	4.59	6.27	4	43	13	96	0.00	0.0	5.503	0.046	9	3	3	14
PL.22163	PL.22290	C	#4 ACSR	7.22Y	120.4	0.00	4.59	2.39	2	17	5	96	0.00	0.0	5.518	0.015	12	4	3	5
PL.22164	PL.22163	C	#4 ACSR	7.22Y	120.4	0.00	4.59	0.62	0	4	1	97	0.00	0.0	5.547	0.029	4	1	2	2
PL.22098	PL.22290	C	6 A (CWC)	7.22Y	120.4	0.01	4.60	2.55	2	18	5	96	0.00	0.0	5.580	0.077	0	0	0	6

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Balanced Voltage Drop Report
Source: Hargett

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.21863	PL.22098	C	6 A (CWC)	7.22Y	120.4	0.00	4.60	1.40	1	10	3	96	0.00	0.0	5.623	0.043	10	3	2	2
PL.22158	PL.22098	C	6 A (CWC)	7.22Y	120.4	0.00	4.60	1.16	1	8	2	97	0.00	0.0	5.605	0.026	0	0	2	4
PL.22159	PL.22158	C	6 A (CWC)	7.22Y	120.4	0.00	4.60	1.15	1	8	2	97	0.00	0.0	5.654	0.049	0	0	0	2
PL.22157	PL.22159	C	6 A (CWC)	7.22Y	120.4	0.00	4.60	1.15	1	8	2	97	0.00	0.0	5.707	0.053	0	0	0	2
PL.21864	PL.22157	C	#4 ACSR	7.22Y	120.4	0.00	4.60	0.69	1	5	1	98	0.00	0.0	5.845	0.139	5	1	1	1
PL.21937	PL.22157	C	6 A (CWC)	7.22Y	120.4	0.00	4.60	0.47	0	3	1	95	0.00	0.0	5.729	0.022	3	1	1	1
PL.22101	PL.22100	ABC	#1/0 ACSR	7.22Y	120.3	0.09	4.66	44.27	19	917	282	96	0.56	0.1	5.558	0.107	0	0	0	212
PL.22283	PL.22101	B	6 A (CWC)	7.22Y	120.3	0.00	4.66	10.07	7	70	21	96	0.00	0.0	5.563	0.005	0	0	0	23
PD.3125	PL.22283	B	65T	7.22Y	120.3	0.00	4.66	10.07	0	70	21	96	0.00	0.0	5.563	0.005	0	0	0	23
PL.22284	PD.3125	B	6 A (CWC)	7.22Y	120.3	0.02	4.68	10.07	7	70	21	96	0.01	0.0	5.605	0.042	0	0	1	23
PL.22160	PL.22284	B	6 A (CWC)	7.22Y	120.3	0.02	4.70	10.03	7	69	21	96	0.01	0.0	5.638	0.034	0	0	0	22
PL.21947	PL.22160	B	#2 ACSR	7.22Y	120.3	0.00	4.70	0.18	0	1	0	100	0.00	0.0	5.643	0.005	0	0	0	1
PD.3134	PL.21947	B	65T	7.22Y	120.3	0.00	4.70	0.18	0	1	0	100	0.00	0.0	5.643	0.005	0	0	0	1
PL.21948	PD.3134	B	#2 ACSR	7.22Y	120.3	0.00	4.70	0.18	0	1	0	100	0.00	0.0	5.683	0.040	1	0	1	1
PL.22102	PL.22160	B	6 A (CWC)	7.22Y	120.3	0.01	4.71	9.85	7	68	21	96	0.01	0.0	5.672	0.033	8	2	3	21
PL.21865	PL.22102	B	6 A (CWC)	7.22Y	120.3	0.02	4.73	8.76	6	60	18	96	0.01	0.0	5.714	0.042	10	3	2	18
PL.22166	PL.21865	B	6 A (CWC)	7.22Y	120.3	0.02	4.75	7.29	5	50	15	96	0.01	0.0	5.786	0.072	9	3	2	16
PL.22167	PL.22166	B	6 A (CWC)	7.21Y	120.2	0.01	4.76	5.95	4	41	12	96	0.00	0.0	5.832	0.046	10	3	1	14
PL.22168	PL.22167	B	6 A (CWC)	7.21Y	120.2	0.00	4.76	4.48	3	31	9	96	0.00	0.0	5.853	0.021	31	9	13	13
PL.21938	PL.22101	ABC	#1/0 ACSR	7.21Y	120.2	0.11	4.77	40.91	18	847	260	96	0.65	0.1	5.704	0.145	0	0	0	189
PL.22029	PL.21938	ABC	#1/0 ACSR	7.21Y	120.2	0.05	4.82	40.69	18	842	258	96	0.31	0.0	5.774	0.070	0	0	0	188
PL.22030	PL.22029	ABC	#1/0 ACSR	7.21Y	120.2	0.01	4.83	40.32	18	834	256	96	0.08	0.0	5.793	0.019	6	2	1	187
PL.21867	PL.22030	ABC	#1/0 ACSR	7.21Y	120.2	0.01	4.85	6.48	3	134	41	96	0.01	0.0	5.896	0.104	0	0	0	33
PL.22371	PL.21867	C	6 A (CWC)	7.21Y	120.2	0.00	4.85	1.07	1	7	2	96	0.00	0.0	5.901	0.005	0	0	0	2
PD.3192	PL.22371	C	65T	7.21Y	120.2	0.00	4.85	1.07	0	7	2	96	0.00	0.0	5.901	0.005	0	0	0	2
PL.22372	PD.3192	C	6 A (CWC)	7.21Y	120.2	0.00	4.85	1.07	1	7	2	96	0.00	0.0	5.945	0.044	7	2	2	2
PL.21945	PL.21867	A	6 A (CWC)	7.21Y	120.2	0.00	4.85	0.95	1	7	2	96	0.00	0.0	5.901	0.005	0	0	0	1
PD.3133	PL.21945	A	65T	7.21Y	120.2	0.00	4.85	0.95	0	7	2	96	0.00	0.0	5.901	0.005	0	0	0	1
PL.21946	PD.3133	A	6 A (CWC)	7.21Y	120.2	0.00	4.85	0.95	1	7	2	96	0.00	0.0	5.954	0.053	7	2	1	1
PL.22103	PL.21867	ABC	#1/0 ACSR	7.21Y	120.1	0.01	4.86	5.81	3	120	36	96	0.01	0.0	5.985	0.088	3	1	1	30
PL.21949	PL.22103	C	6 A (CWC)	7.21Y	120.1	0.00	4.86	1.65	1	11	3	96	0.00	0.0	5.989	0.005	0	0	0	3

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Balanced Voltage Drop Report
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Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.3135	PL.21949	C	65T	7.21Y	120.1	0.00	4.86	1.65	0	11	3	96	0.00	0.0	5.989	0.005	0	0	0	3
PL.21950	PD.3135	C	6 A (CWC)	7.21Y	120.1	0.01	4.87	1.65	1	11	3	96	0.00	0.0	6.127	0.138	0	0	0	3
PL.21868	PL.21950	C	6 A (CWC)	7.21Y	120.1	0.00	4.87	1.65	1	11	3	96	0.00	0.0	6.170	0.042	5	1	2	3
PL.21953	PL.21868	C	#4 ACSR	7.21Y	120.1	0.00	4.87	0.98	1	7	2	96	0.00	0.0	6.174	0.005	0	0	0	1
PD.3137	PL.21953	C	40T	7.21Y	120.1	0.00	4.87	0.98	0	7	2	96	0.00	0.0	6.174	0.005	0	0	0	1
PL.21954	PD.3137	C	#4 ACSR	7.21Y	120.1	0.00	4.87	0.98	1	7	2	96	0.00	0.0	6.285	0.111	0	0	0	1
PL.21870	PL.21954	C	#4 ACSR	7.21Y	120.1	0.01	4.88	0.98	1	7	2	96	0.00	0.0	6.408	0.123	0	0	0	1
PL.22052	PL.21870	C	#4 ACSR	7.21Y	120.1	0.01	4.89	0.98	1	7	2	96	0.00	0.0	6.552	0.144	0	0	0	1
PL.22053	PL.22052	C	#4 ACSR	7.21Y	120.1	0.00	4.89	0.98	1	7	2	96	0.00	0.0	6.646	0.094	0	0	0	1
PL.22061	PL.22053	C	#4 ACSR	7.21Y	120.1	0.00	4.89	0.98	1	7	2	96	0.00	0.0	6.742	0.095	0	0	0	1
PL.22054	PL.22061	C	#4 ACSR	7.21Y	120.1	0.00	4.90	0.98	1	7	2	96	0.00	0.0	6.881	0.140	7	2	1	1
PL.21869	PL.21950	C	6 A (CWC)	7.21Y	120.1	0.00	4.87	0.00	0	0	0	100	0.00	0.0	6.206	0.079	0	0	0	0
PL.22104	PL.22103	ABC	#1/0 ACSR	7.21Y	120.1	0.01	4.87	5.12	2	106	32	96	0.01	0.0	6.092	0.107	0	0	0	26
PL.22173	PL.22104	ABC	#1/0 ACSR	7.21Y	120.1	0.01	4.87	4.40	2	91	28	96	0.00	0.0	6.166	0.074	22	7	4	22
PL.22174	PL.22173	ABC	#1/0 ACSR	7.21Y	120.1	0.00	4.87	3.32	1	69	21	96	0.00	0.0	6.224	0.058	2	1	2	18
PL.21955	PL.22174	C	6 A (CWC)	7.21Y	120.1	0.00	4.88	1.76	1	12	4	95	0.00	0.0	6.228	0.005	0	0	0	3
PD.3138	PL.21955	C	65T	7.21Y	120.1	0.00	4.88	1.76	0	12	4	95	0.00	0.0	6.228	0.005	0	0	0	3
PL.21956	PD.3138	C	6 A (CWC)	7.21Y	120.1	0.00	4.88	1.76	1	12	4	95	0.00	0.0	6.267	0.039	6	2	1	3
PL.22169	PL.21956	C	#4 ACSR	7.21Y	120.1	0.00	4.88	0.88	1	6	2	95	0.00	0.0	6.389	0.121	0	0	1	2
PL.22170	PL.22169	C	#4 ACSR	7.21Y	120.1	0.00	4.88	0.86	1	6	2	95	0.00	0.0	6.441	0.053	6	2	1	1
PL.22171	PL.22174	ABC	#1/0 ACSR	7.21Y	120.1	0.00	4.88	2.44	1	50	15	96	0.00	0.0	6.287	0.063	3	1	2	12
PL.22172	PL.22171	ABC	#1/0 ACSR	7.21Y	120.1	0.00	4.88	2.30	1	48	14	96	0.00	0.0	6.346	0.060	6	2	3	10
PL.21876	PL.22172	ABC	#1/0 ACSR	7.21Y	120.1	0.00	4.88	2.00	1	41	13	95	0.00	0.0	6.399	0.053	0	0	0	7
PL.21957	PL.21876	A	6 A (CWC)	7.21Y	120.1	0.00	4.88	4.24	3	29	9	96	0.00	0.0	6.404	0.005	0	0	0	6
PD.3139	PL.21957	A	65T	7.21Y	120.1	0.00	4.88	4.24	0	29	9	96	0.00	0.0	6.404	0.005	0	0	0	6
PL.21958	PD.3139	A	6 A (CWC)	7.21Y	120.1	0.01	4.89	4.24	3	29	9	96	0.00	0.0	6.439	0.035	9	3	2	6
PL.21879	PL.21958	A	6 A (CWC)	7.21Y	120.1	0.00	4.89	1.41	1	10	3	96	0.00	0.0	6.468	0.029	10	3	2	2
PL.21878	PL.21958	A	6 A (CWC)	7.21Y	120.1	0.00	4.89	1.54	1	11	3	96	0.00	0.0	6.468	0.030	11	3	2	2
PL.21774	PL.21876	ABC	#1/0 ACSR	7.21Y	120.1	0.00	4.88	0.00	0	0	0	100	0.00	0.0	6.444	0.045	0	0	0	0
PD.3202-A	PL.21774	ABC	Open	7.21Y	120.1	0.00	4.88	0.00	0	0	0	100	0.00	0.0	6.444	0.045	0	0	0	0
PL.21877	PL.21876	A	6 A (CWC)	7.21Y	120.1	0.00	4.88	1.76	1	12	4	95	0.00	0.0	6.455	0.055	12	4	1	1

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.22375	PL.22174	A	#2 ACSR	7.21Y	120.1	0.00	4.87	0.64	0	4	1	97	0.00	0.0	6.228	0.005	0	0	0	1
PD.3194	PL.22375	A	65T	7.21Y	120.1	0.00	4.87	0.64	0	4	1	97	0.00	0.0	6.228	0.005	0	0	0	1
PL.21759	PD.3194	A	#2 ACSR	7.21Y	120.1	0.00	4.88	0.64	0	4	1	97	0.00	0.0	6.310	0.082	4	1	1	1
PL.22373	PL.22104	A	6 A (CWC)	7.21Y	120.1	0.00	4.87	0.83	1	6	2	95	0.00	0.0	6.096	0.005	0	0	0	2
PD.3193	PL.22373	A	65T	7.21Y	120.1	0.00	4.87	0.83	0	6	2	95	0.00	0.0	6.096	0.005	0	0	0	2
PL.22374	PD.3193	A	6 A (CWC)	7.21Y	120.1	0.00	4.87	0.83	1	6	2	95	0.00	0.0	6.158	0.061	6	2	2	2
PL.21951	PL.22104	C	1/0 AL URD	7.21Y	120.1	0.00	4.87	1.33	1	9	3	95	0.00	0.0	6.096	0.005	0	0	0	2
PD.3136	PL.21951	C	65T	7.21Y	120.1	0.00	4.87	1.33	0	9	3	95	0.00	0.0	6.096	0.005	0	0	0	2
PL.21952	PD.3136	C	1/0 AL URD	7.21Y	120.1	0.00	4.87	1.33	1	9	3	95	0.00	0.0	6.133	0.037	9	3	2	2
PL.21866	PL.22030	ABC	#1/0 ACSR	7.21Y	120.1	0.06	4.89	33.56	15	694	213	96	0.28	0.0	5.888	0.095	3	1	2	153
PL.21880	PL.21866	ABC	#1/0 ACSR	7.20Y	120.1	0.04	4.94	32.97	14	681	209	96	0.21	0.0	5.959	0.071	0	0	0	149
PL.22031	PL.21880	ABC	#1/0 ACSR	7.20Y	120.0	0.07	5.00	31.15	14	644	198	96	0.30	0.0	6.075	0.116	5	1	2	142
PL.22097	PL.22031	ABC	#1/0 ACSR	7.20Y	119.9	0.05	5.06	30.92	13	639	196	96	0.25	0.0	6.173	0.098	9	3	2	140
PL.22151	PL.22097	ABC	#1/0 ACSR	7.19Y	119.9	0.04	5.10	29.75	13	614	188	96	0.18	0.0	6.250	0.077	1	0	1	136
PL.22152	PL.22151	ABC	#1/0 ACSR	7.19Y	119.8	0.06	5.15	29.68	13	613	188	96	0.24	0.0	6.353	0.103	0	0	0	135
PL.22277	PL.22152	C	6 A (CWC)	7.19Y	119.8	0.00	5.16	5.34	4	37	11	96	0.00	0.0	6.357	0.005	0	0	0	7
PD.3122	PL.22277	C	65T	7.19Y	119.8	0.00	5.16	5.34	0	37	11	96	0.00	0.0	6.357	0.005	0	0	0	7
PL.22278	PD.3122	C	6 A (CWC)	7.19Y	119.8	0.01	5.17	5.34	4	37	11	96	0.00	0.0	6.416	0.059	0	0	0	7
PL.21883	PL.22278	C	#4 ACSR	7.19Y	119.8	0.00	5.17	5.34	4	37	11	96	0.00	0.0	6.436	0.019	0	0	0	7
PL.22149	PL.21883	C	#4 ACSR	7.19Y	119.8	0.01	5.18	4.30	3	30	9	96	0.00	0.0	6.476	0.040	15	5	3	6
PL.22150	PL.22149	C	#4 ACSR	7.19Y	119.8	0.00	5.18	2.07	2	14	4	96	0.00	0.0	6.507	0.031	14	4	3	3
PL.21884	PL.21883	C	#4 ACSR	7.19Y	119.8	0.00	5.18	1.04	1	7	2	96	0.00	0.0	6.476	0.040	7	2	1	1
PL.22033	PL.22152	ABC	#1/0 ACSR	7.19Y	119.8	0.05	5.21	27.90	12	576	176	96	0.22	0.0	6.457	0.104	0	0	0	128
PL.22275	PL.22033	A	#4 ACSR	7.19Y	119.8	0.00	5.21	0.85	1	6	2	95	0.00	0.0	6.461	0.005	0	0	0	4
PD.3121	PL.22275	A	65T	7.19Y	119.8	0.00	5.21	0.85	0	6	2	95	0.00	0.0	6.461	0.005	0	0	0	4
PL.22276	PD.3121	A	#4 ACSR	7.19Y	119.8	0.00	5.21	0.85	1	6	2	95	0.00	0.0	6.514	0.053	6	2	4	4
PL.22145	PL.22033	ABC	#1/0 ACSR	7.19Y	119.8	0.02	5.23	27.62	12	570	174	96	0.08	0.0	6.496	0.039	11	3	1	124
PL.22146	PL.22145	ABC	#1/0 ACSR	7.18Y	119.7	0.07	5.30	27.10	12	559	171	96	0.29	0.1	6.645	0.149	4	1	2	123
PL.22273	PL.22146	A	6 A (CWC)	7.18Y	119.7	0.00	5.30	18.11	13	124	38	96	0.00	0.0	6.650	0.005	0	0	0	23
PD.3120	PL.22273	A	65T	7.18Y	119.7	0.00	5.30	18.11	0	124	38	96	0.00	0.0	6.650	0.005	0	0	0	23
PL.22274	PD.3120	A	6 A (CWC)	7.18Y	119.7	0.04	5.34	18.11	13	124	38	96	0.03	0.0	6.695	0.046	9	3	1	23

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Balanced Voltage Drop Report
Source: Hargett

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.21885	PL.22274	A	6 A (CWC)	7.18Y	119.7	0.01	5.35	5.68	4	39	12	96	0.00	0.0	6.735	0.040	21	7	5	8
PL.21888	PL.21885	A	6 A (CWC)	7.18Y	119.6	0.00	5.35	2.56	2	18	5	96	0.00	0.0	6.806	0.071	18	5	3	3
PL.22142	PL.22274	A	6 A (CWC)	7.18Y	119.7	0.00	5.34	1.50	1	10	3	96	0.00	0.0	6.730	0.035	7	2	2	3
PL.22147	PL.22142	A	6 A (CWC)	7.18Y	119.7	0.00	5.34	0.54	0	4	1	97	0.00	0.0	6.769	0.039	4	1	1	1
PL.22148	PL.22147	A	6 A (CWC)	7.18Y	119.7	0.00	5.34	0.00	0	0	0	100	0.00	0.0	6.807	0.038	0	0	0	0
PL.22094	PL.22274	A	6 A (CWC)	7.18Y	119.6	0.03	5.37	9.56	7	66	20	96	0.01	0.0	6.760	0.065	14	4	3	11
PL.21886	PL.22094	A	6 A (CWC)	7.18Y	119.6	0.01	5.37	3.38	2	23	7	96	0.00	0.0	6.814	0.053	12	4	2	3
PL.21887	PL.21886	A	#4 ACSR	7.18Y	119.6	0.00	5.37	1.69	1	12	4	95	0.00	0.0	6.851	0.037	12	4	1	1
PL.22143	PL.22094	A	6 A (CWC)	7.18Y	119.6	0.01	5.37	4.11	3	28	9	95	0.00	0.0	6.804	0.043	14	4	2	5
PL.22144	PL.22143	A	6 A (CWC)	7.18Y	119.6	0.00	5.37	2.00	1	14	4	96	0.00	0.0	6.843	0.039	14	4	2	3
PL.21889	PL.22144	A	6 A (CWC)	7.18Y	119.6	0.00	5.37	0.00	0	0	0	100	0.00	0.0	6.875	0.032	0	0	0	1
PL.21890	PL.21889	A	#4 ACSR	7.18Y	119.6	0.00	5.37	0.00	0	0	0	100	0.00	0.0	6.928	0.053	0	0	1	1
PL.22153	PL.22146	ABC	#1/0 ACSR	7.18Y	119.7	0.04	5.34	20.89	9	430	132	96	0.11	0.0	6.740	0.095	18	6	2	98
PL.22154	PL.22153	ABC	#1/0 ACSR	7.18Y	119.7	0.01	5.35	20.01	9	412	126	96	0.04	0.0	6.777	0.037	1	0	1	96
PL.22271	PL.22154	A	6 A (CWC)	7.18Y	119.6	0.00	5.35	1.19	1	8	2	97	0.00	0.0	6.782	0.005	0	0	0	1
PD.3119	PL.22271	A	65T	7.18Y	119.6	0.00	5.35	1.19	0	8	2	97	0.00	0.0	6.782	0.005	0	0	0	1
PL.22272	PD.3119	A	6 A (CWC)	7.18Y	119.6	0.00	5.35	1.19	1	8	2	97	0.00	0.0	6.873	0.091	8	2	1	1
PL.21891	PL.22154	ABC	#1/0 ACSR	7.18Y	119.6	0.04	5.39	19.55	9	403	123	96	0.11	0.0	6.881	0.104	0	0	0	94
PL.21776	PL.21891	C	6 A (CWC)	7.18Y	119.6	0.02	5.41	20.13	14	138	42	96	0.02	0.0	6.904	0.023	0	0	0	32
PD.3203	PL.21776	C	35L	7.18Y	119.6	0.00	5.41	20.13	58	138	42	96	0.00	0.0	6.904	0.023	0	0	0	32
PL.21777	PD.3203	C	6 A (CWC)	7.17Y	119.5	0.06	5.47	20.13	14	138	42	96	0.07	0.0	6.971	0.067	0	0	0	32
PL.22134	PL.21777	C	6 A (CWC)	7.17Y	119.5	0.04	5.51	20.13	14	138	42	96	0.04	0.0	7.011	0.040	0	0	0	32
PL.21897	PL.22134	C	#1/0 ACSR	7.17Y	119.5	0.00	5.51	0.95	0	7	2	96	0.00	0.0	7.070	0.059	7	2	1	1
PL.22084	PL.22134	C	6 A (CWC)	7.16Y	119.4	0.11	5.62	19.17	14	131	40	96	0.12	0.1	7.140	0.129	0	0	0	31
PL.22088	PL.22084	C	6 A (CWC)	7.16Y	119.4	0.02	5.64	6.08	4	42	13	96	0.01	0.0	7.209	0.070	1	0	1	13
PL.22089	PL.22088	C	6 A (CWC)	7.16Y	119.4	0.00	5.64	0.04	0	0	0	100	0.00	0.0	7.265	0.056	0	0	1	1
PL.22090	PL.22088	C	6 A (CWC)	7.16Y	119.3	0.02	5.66	5.87	4	40	12	96	0.00	0.0	7.272	0.063	6	2	3	11
PL.22125	PL.22090	C	6 A (CWC)	7.16Y	119.3	0.00	5.66	1.20	1	8	3	94	0.00	0.0	7.298	0.026	1	0	1	3
PL.22126	PL.22125	C	6 A (CWC)	7.16Y	119.3	0.00	5.66	1.13	1	8	2	97	0.00	0.0	7.355	0.057	8	2	2	2
PL.22124	PL.22090	C	#4 ACSR	7.16Y	119.3	0.01	5.67	3.83	3	26	8	96	0.00	0.0	7.337	0.065	9	3	2	5
PL.22123	PL.22124	C	#4 ACSR	7.16Y	119.3	0.00	5.67	2.58	2	18	5	96	0.00	0.0	7.399	0.062	18	5	3	3

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.22122	PL.22084	C	6 A (CWC)	7.16Y	119.3	0.07	5.70	13.10	9	90	27	96	0.05	0.1	7.267	0.127	7	2	1	18
PL.22121	PL.22122	C	6 A (CWC)	7.15Y	119.2	0.06	5.76	12.10	9	83	25	96	0.04	0.0	7.383	0.116	0	0	0	17
PL.22085	PL.22121	C	#4 ACSR	7.15Y	119.2	0.01	5.77	1.41	1	10	3	96	0.00	0.0	7.509	0.127	0	0	0	2
PL.22055	PL.22085	C	#4 ACSR	7.15Y	119.2	0.01	5.78	1.41	1	10	3	96	0.00	0.0	7.680	0.171	0	0	0	2
PL.22118	PL.22055	C	#4 ACSR	7.15Y	119.2	0.01	5.79	1.41	1	10	3	96	0.00	0.0	7.865	0.184	4	1	1	2
PL.22117	PL.22118	C	#4 ACSR	7.15Y	119.2	0.00	5.79	0.76	1	5	2	93	0.00	0.0	7.962	0.097	5	2	1	1
PL.22086	PL.22121	C	#4 ACSR	7.15Y	119.2	0.01	5.77	10.70	8	73	22	96	0.01	0.0	7.411	0.028	7	2	1	15
PL.21894	PL.22086	C	6 A (CWC)	7.15Y	119.2	0.04	5.82	9.70	7	66	20	96	0.02	0.0	7.507	0.096	1	0	1	14
PL.22119	PL.21894	C	6 A (CWC)	7.15Y	119.2	0.01	5.83	9.62	7	66	20	96	0.01	0.0	7.531	0.025	6	2	1	13
PL.22120	PL.22119	C	6 A (CWC)	7.15Y	119.2	0.02	5.84	8.75	6	60	18	96	0.01	0.0	7.571	0.040	0	0	0	12
PL.22127	PL.22120	C	6 A (CWC)	7.15Y	119.1	0.05	5.90	7.90	6	54	16	96	0.02	0.0	7.728	0.157	7	2	2	11
PL.22128	PL.22127	C	6 A (CWC)	7.15Y	119.1	0.01	5.90	6.82	5	47	14	96	0.00	0.0	7.750	0.021	9	3	2	9
PL.22129	PL.22128	C	6 A (CWC)	7.15Y	119.1	0.01	5.91	5.46	4	37	11	96	0.00	0.0	7.797	0.047	6	2	2	7
PL.22267	PL.22129	C	#1/0 ACSR	7.15Y	119.1	0.00	5.91	0.43	0	3	1	95	0.00	0.0	7.801	0.005	0	0	0	1
PD.3117	PL.22267	C	15T	7.15Y	119.1	0.00	5.91	0.43	0	3	1	95	0.00	0.0	7.801	0.005	0	0	0	1
PL.22268	PD.3117	C	#1/0 ACSR	7.15Y	119.1	0.00	5.91	0.43	0	3	1	95	0.00	0.0	7.873	0.071	3	1	1	1
PL.21896	PL.22129	C	6 A (CWC)	7.15Y	119.1	0.00	5.92	4.11	3	28	9	95	0.00	0.0	7.836	0.039	28	9	4	4
PL.21895	PL.22120	C	#1/0 ACSR	7.15Y	119.2	0.00	5.84	0.84	0	6	2	95	0.00	0.0	7.635	0.064	6	2	1	1
PL.22135	PL.21891	A	6 A (CWC)	7.17Y	119.5	0.08	5.47	36.58	26	251	77	96	0.16	0.1	6.930	0.049	0	0	1	59
PL.21778	PL.22135	A	6 A (CWC)	7.16Y	119.4	0.11	5.58	36.54	26	251	77	96	0.22	0.1	6.998	0.068	0	0	0	58
PD.3204	PL.21778	A	50L	7.16Y	119.4	0.00	5.58	36.54	73	250	77	96	0.00	0.0	6.998	0.068	0	0	0	58
PL.21779	PD.3204	A	6 A (CWC)	7.16Y	119.3	0.10	5.68	36.54	26	250	77	96	0.19	0.1	7.058	0.060	7	2	1	58
PL.21898	PL.21779	A	#2 ACSR	7.16Y	119.3	0.00	5.69	0.68	0	5	1	98	0.00	0.0	7.217	0.159	0	0	0	1
PL.22056	PL.21898	A	#2 ACSR	7.16Y	119.3	0.00	5.69	0.68	0	5	1	98	0.00	0.0	7.271	0.054	5	1	1	1
PL.22083	PL.21779	A	6 A (CWC)	7.15Y	119.2	0.12	5.81	34.85	25	239	73	96	0.23	0.1	7.135	0.077	1	0	2	56
PL.21899	PL.22083	A	6 A (CWC)	7.14Y	119.1	0.13	5.94	34.76	25	238	73	96	0.23	0.1	7.215	0.080	0	0	0	54
PL.22132	PL.21899	A	6 A (CWC)	7.14Y	119.1	0.01	5.95	33.70	24	230	70	96	0.02	0.0	7.222	0.007	6	2	3	53
PL.22133	PL.22132	A	6 A (CWC)	7.14Y	118.9	0.13	6.08	32.86	23	225	69	96	0.23	0.1	7.308	0.086	0	0	0	50
PL.22130	PL.22133	A	6 A (CWC)	7.14Y	118.9	0.00	6.08	2.05	1	14	4	96	0.00	0.0	7.319	0.012	9	3	1	3
PL.22131	PL.22130	A	6 A (CWC)	7.14Y	118.9	0.00	6.08	0.77	1	5	2	93	0.00	0.0	7.363	0.044	5	2	2	2
PL.21913	PL.22133	A	#4 ACSR	7.13Y	118.9	0.07	6.15	30.82	24	210	64	96	0.12	0.1	7.361	0.053	0	0	0	47

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Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru

PL.22079	PL.21913	A	#4 ACSR	7.13Y	118.8	0.01	6.16	9.11	7	62	19	96	0.01	0.0	7.399	0.039	10	3	1	14
PL.22249	PL.22079	A	#4 ACSR	7.13Y	118.8	0.00	6.17	1.20	1	8	2	97	0.00	0.0	7.439	0.039	5	2	1	3
PL.22248	PL.22249	A	#4 ACSR	7.13Y	118.8	0.00	6.17	0.47	0	3	1	95	0.00	0.0	7.468	0.029	3	1	2	2
PL.22080	PL.22079	A	#4 ACSR	7.13Y	118.8	0.01	6.17	6.46	5	44	13	96	0.00	0.0	7.436	0.036	20	6	3	10
PL.21914	PL.22080	A	#2 ACSR	7.13Y	118.8	0.00	6.17	0.90	1	6	2	95	0.00	0.0	7.521	0.086	6	2	1	1
PL.22106	PL.22080	A	#4 ACSR	7.13Y	118.8	0.01	6.18	2.64	2	18	5	96	0.00	0.0	7.520	0.085	6	2	3	6
PL.22107	PL.22106	A	#4 ACSR	7.13Y	118.8	0.01	6.19	1.70	1	12	4	95	0.00	0.0	7.638	0.118	7	2	1	3
PL.22105	PL.22107	A	#4 ACSR	7.13Y	118.8	0.00	6.19	0.65	1	4	1	97	0.00	0.0	7.699	0.060	0	0	1	2
PL.22265	PL.22105	A	#4 ACSR	7.13Y	118.8	0.00	6.19	0.65	1	4	1	97	0.00	0.0	7.703	0.005	0	0	0	1
PD.3116	PL.22265	A	20T	7.13Y	118.8	0.00	6.19	0.65	0	4	1	97	0.00	0.0	7.703	0.005	0	0	0	1
PL.22266	PD.3116	A	#4 ACSR	7.13Y	118.8	0.00	6.19	0.65	1	4	1	97	0.00	0.0	7.804	0.101	0	0	0	1
PL.22057	PL.22266	A	#4 ACSR	7.13Y	118.8	0.00	6.20	0.65	1	4	1	97	0.00	0.0	7.948	0.145	0	0	0	1
PL.22058	PL.22057	A	#4 ACSR	7.13Y	118.8	0.00	6.20	0.65	1	4	1	97	0.00	0.0	8.066	0.118	0	0	0	1
PL.22059	PL.22058	A	#4 ACSR	7.13Y	118.8	0.00	6.20	0.65	1	4	1	97	0.00	0.0	8.156	0.090	4	1	1	1
PL.22078	PL.21913	A	#4 ACSR	7.12Y	118.7	0.13	6.28	21.71	17	148	45	96	0.15	0.1	7.496	0.135	0	0	1	33
PL.22077	PL.22078	A	#4 ACSR	7.12Y	118.7	0.00	6.28	0.86	1	6	2	95	0.00	0.0	7.507	0.012	6	2	2	2
PL.22269	PL.22078	A	#4 ACSR	7.12Y	118.7	0.00	6.29	20.82	16	142	43	96	0.00	0.0	7.500	0.005	0	0	0	30
PD.3118	PL.22269	A	20T	7.12Y	118.7	0.00	6.29	20.82	0	142	43	96	0.00	0.0	7.500	0.005	0	0	0	30
PL.22270	PD.3118	A	#4 ACSR	7.12Y	118.6	0.09	6.38	20.82	16	142	43	96	0.10	0.1	7.599	0.098	0	0	1	30
PL.22137	PL.22270	A	#4 ACSR	7.12Y	118.6	0.03	6.41	17.75	14	121	37	96	0.03	0.0	7.638	0.040	17	5	3	24
PL.22138	PL.22137	A	#4 ACSR	7.11Y	118.5	0.09	6.49	15.25	12	104	32	96	0.07	0.1	7.766	0.128	0	0	1	21
PL.22114	PL.22138	A	#4 ACSR	7.11Y	118.5	0.03	6.52	15.22	12	104	32	96	0.02	0.0	7.808	0.042	6	2	1	20
PL.22113	PL.22114	A	#4 ACSR	7.11Y	118.5	0.02	6.54	14.39	11	98	30	96	0.02	0.0	7.838	0.030	0	0	0	19
PL.22263	PL.22113	A	#2 ACSR	7.11Y	118.5	0.00	6.54	14.39	8	98	30	96	0.00	0.0	7.843	0.004	0	0	0	19
PD.3115	PL.22263	A	30T	7.11Y	118.5	0.00	6.54	14.39	0	98	30	96	0.00	0.0	7.843	0.004	0	0	0	19
PL.22264	PD.3115	A	#2 ACSR	7.11Y	118.4	0.03	6.57	14.39	8	98	30	96	0.02	0.0	7.904	0.062	0	0	0	19
PL.21902	PL.22264	A	#1/0 ACSR	7.11Y	118.4	0.00	6.57	0.64	0	4	1	97	0.00	0.0	7.952	0.048	4	1	1	1
PL.22034	PL.22264	A	#2 ACSR	7.10Y	118.4	0.02	6.59	12.70	7	86	26	96	0.01	0.0	7.948	0.044	0	0	0	17
PL.22111	PL.22034	A	#4 ACSR	7.10Y	118.4	0.03	6.62	9.67	7	66	20	96	0.01	0.0	8.013	0.065	8	2	1	14
PL.22112	PL.22111	A	#4 ACSR	7.10Y	118.4	0.01	6.63	8.54	7	58	18	96	0.00	0.0	8.040	0.026	0	0	0	13
PL.22072	PL.22112	A	#4 ACSR	7.10Y	118.3	0.03	6.65	7.18	6	49	15	96	0.01	0.0	8.129	0.089	0	0	0	10

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----			
																KW	KVAR	Cons On	Cons Thru	
PL.21904	PL.22072	A	#2 ACSR	7.10Y	118.3	0.00	6.65	0.67	0	5	1	98	0.00	0.0	8.162	0.033	5	1	1	1
PL.22110	PL.22072	A	#4 ACSR	7.10Y	118.3	0.01	6.67	6.52	5	44	13	96	0.00	0.0	8.168	0.040	1	0	1	9
PL.22115	PL.22110	A	#4 ACSR	7.10Y	118.3	0.01	6.68	6.42	5	44	13	96	0.00	0.0	8.224	0.055	7	2	1	8
PL.22116	PL.22115	A	#4 ACSR	7.10Y	118.3	0.01	6.69	5.33	4	36	11	96	0.00	0.0	8.261	0.038	0	0	0	7
PL.21905	PL.22116	A	#1/0 ACSR	7.10Y	118.3	0.00	6.69	1.62	1	11	3	96	0.00	0.0	8.327	0.066	11	3	2	2
PL.22036	PL.22116	A	#4 ACSR	7.10Y	118.3	0.01	6.70	2.53	2	17	5	96	0.00	0.0	8.332	0.071	0	0	0	4
PL.21907	PL.22036	A	#2 ACSR	7.10Y	118.3	0.00	6.70	0.05	0	0	0	100	0.00	0.0	8.364	0.032	0	0	1	1
PL.22037	PL.22036	A	#4 ACSR	7.10Y	118.3	0.00	6.70	2.48	2	17	5	96	0.00	0.0	8.377	0.045	0	0	0	3
PL.22038	PL.22037	A	#4 ACSR	7.10Y	118.3	0.01	6.71	1.50	1	10	3	96	0.00	0.0	8.453	0.077	0	0	0	2
PL.22039	PL.22038	A	#4 ACSR	7.10Y	118.3	0.00	6.71	1.50	1	10	3	96	0.00	0.0	8.501	0.047	0	0	0	2
PL.22040	PL.22039	A	#4 ACSR	7.10Y	118.3	0.00	6.71	1.50	1	10	3	96	0.00	0.0	8.539	0.038	0	0	0	2
PL.22041	PL.22040	A	#4 ACSR	7.10Y	118.3	0.00	6.71	0.64	0	4	1	97	0.00	0.0	8.584	0.045	4	1	1	1
PL.21912	PL.22040	A	#4 ACSR	7.10Y	118.3	0.00	6.71	0.86	1	6	2	95	0.00	0.0	8.585	0.046	6	2	1	1
PL.21909	PL.22038	A	#4 ACSR	7.10Y	118.3	0.00	6.71	0.00	0	0	0	100	0.00	0.0	8.497	0.043	0	0	0	0
PL.21908	PL.22037	A	#1/0 ACSR	7.10Y	118.3	0.00	6.70	0.98	0	7	2	96	0.00	0.0	8.404	0.027	7	2	1	1
PL.21906	PL.22116	A	#4 ACSR	7.10Y	118.3	0.00	6.69	1.18	1	8	2	97	0.00	0.0	8.311	0.050	8	2	1	1
PL.22261	PL.22112	A	#4 ACSR	7.10Y	118.4	0.00	6.63	1.36	1	9	3	95	0.00	0.0	8.044	0.005	0	0	0	3
PD.3114	PL.22261	A	12T	7.10Y	118.4	0.00	6.63	1.36	0	9	3	95	0.00	0.0	8.044	0.005	0	0	0	3
PL.22262	PD.3114	A	#4 ACSR	7.10Y	118.4	0.00	6.63	1.36	1	9	3	95	0.00	0.0	8.111	0.067	0	0	0	3
PL.21903	PL.22262	A	#2 ACSR	7.10Y	118.4	0.00	6.63	1.08	1	7	2	96	0.00	0.0	8.154	0.043	7	2	1	1
PL.22108	PL.22262	A	#4 ACSR	7.10Y	118.4	0.00	6.63	0.28	0	2	1	89	0.00	0.0	8.237	0.126	2	1	2	2
PL.22109	PL.22108	A	#4 ACSR	7.10Y	118.4	0.00	6.63	0.00	0	0	0	100	0.00	0.0	8.353	0.116	0	0	0	0
PL.22035	PL.22034	A	#2 ACSR	7.10Y	118.4	0.00	6.59	1.00	1	7	2	96	0.00	0.0	7.965	0.017	7	2	1	1
PL.22246	PL.22034	A	#4 ACSR	7.10Y	118.4	0.00	6.59	2.03	2	14	4	96	0.00	0.0	8.002	0.054	8	2	1	2
PL.22247	PL.22246	A	#4 ACSR	7.10Y	118.4	0.00	6.59	0.86	1	6	2	95	0.00	0.0	8.041	0.040	6	2	1	1
PL.21901	PL.22264	A	#2 ACSR	7.11Y	118.4	0.00	6.57	1.05	1	7	2	96	0.00	0.0	7.921	0.017	7	2	1	1
PL.22136	PL.22270	A	#4 ACSR	7.12Y	118.6	0.01	6.38	3.07	2	21	6	96	0.00	0.0	7.651	0.052	0	0	0	5
PL.22139	PL.22136	A	#4 ACSR	7.12Y	118.6	0.01	6.39	3.07	2	21	6	96	0.00	0.0	7.726	0.075	17	5	3	5
PL.22141	PL.22139	A	#4 ACSR	7.12Y	118.6	0.00	6.39	0.55	0	4	1	97	0.00	0.0	7.747	0.021	0	0	1	2
PL.22140	PL.22141	A	#4 ACSR	7.12Y	118.6	0.00	6.39	0.55	0	4	1	97	0.00	0.0	7.806	0.059	4	1	1	1
PL.21900	PL.21899	A	#2 ACSR	7.14Y	119.1	0.00	5.94	1.06	1	7	2	96	0.00	0.0	7.258	0.043	7	2	1	1

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.21892	PL.21891	B	6 A (CWC)	7.18Y	119.6	0.00	5.39	0.87	1	6	2	95	0.00	0.0	6.957	0.076	6	2	1	1
PL.21893	PL.21891	A	#4 ACSR	7.18Y	119.6	0.00	5.39	1.07	1	7	2	96	0.00	0.0	6.894	0.013	7	2	2	2
PL.22279	PL.22097	C	#4 ACSR	7.20Y	119.9	0.00	5.06	2.27	2	16	5	95	0.00	0.0	6.177	0.005	0	0	0	2
PD.3123	PL.22279	C	65T	7.20Y	119.9	0.00	5.06	2.27	0	16	5	95	0.00	0.0	6.177	0.005	0	0	0	2
PL.22280	PD.3123	C	#4 ACSR	7.20Y	119.9	0.00	5.06	2.27	2	16	5	95	0.00	0.0	6.236	0.059	16	5	2	2
PL.22281	PL.21880	C	6 A (CWC)	7.20Y	120.1	0.00	4.94	3.74	3	26	8	96	0.00	0.0	5.964	0.005	0	0	0	5
PD.3124	PL.22281	C	65T	7.20Y	120.1	0.00	4.94	3.74	0	26	8	96	0.00	0.0	5.964	0.005	0	0	0	5
PL.22282	PD.3124	C	6 A (CWC)	7.20Y	120.1	0.01	4.95	3.74	3	26	8	96	0.00	0.0	6.026	0.062	0	0	0	5
PL.22175	PL.22282	C	6 A (CWC)	7.20Y	120.0	0.00	4.95	2.85	2	20	6	96	0.00	0.0	6.064	0.039	8	3	1	4
PL.22176	PL.22175	C	6 A (CWC)	7.20Y	120.0	0.00	4.95	1.63	1	11	3	96	0.00	0.0	6.105	0.041	7	2	2	3
PL.21881	PL.22176	C	#1/0 ACSR	7.20Y	120.0	0.00	4.95	0.62	0	4	1	97	0.00	0.0	6.143	0.038	4	1	1	1
PL.22032	PL.22282	C	6 A (CWC)	7.20Y	120.1	0.00	4.95	0.89	1	6	2	95	0.00	0.0	6.161	0.135	6	2	1	1
PL.21760	PL.21880	A	6 A (CWC)	7.20Y	120.1	0.00	4.94	1.73	1	12	4	95	0.00	0.0	5.964	0.005	0	0	0	2
PD.3195	PL.21760	A	65T	7.20Y	120.1	0.00	4.94	1.73	0	12	4	95	0.00	0.0	5.964	0.005	0	0	0	2
PL.21761	PD.3195	A	6 A (CWC)	7.20Y	120.1	0.01	4.94	1.73	1	12	4	95	0.00	0.0	6.090	0.126	6	2	1	2
PL.21882	PL.21761	A	#4 ACSR	7.20Y	120.1	0.00	4.94	0.82	1	6	2	95	0.00	0.0	6.125	0.035	6	2	1	1
PL.21941	PL.21866	C	6 A (CWC)	7.21Y	120.1	0.00	4.89	1.33	1	9	3	95	0.00	0.0	5.892	0.005	0	0	0	2
PD.3131	PL.21941	C	65T	7.21Y	120.1	0.00	4.89	1.33	0	9	3	95	0.00	0.0	5.892	0.005	0	0	0	2
PL.21942	PD.3131	C	6 A (CWC)	7.21Y	120.1	0.00	4.89	1.33	1	9	3	95	0.00	0.0	5.948	0.056	9	3	2	2
PL.21764	PL.22029	C	#1/0 ACSR	7.21Y	120.2	0.00	4.82	1.11	0	8	2	97	0.00	0.0	5.778	0.005	0	0	0	1
PD.3197	PL.21764	C	65T	7.21Y	120.2	0.00	4.82	1.11	0	8	2	97	0.00	0.0	5.778	0.005	0	0	0	1
PL.21765	PD.3197	C	#1/0 ACSR	7.21Y	120.2	0.00	4.82	1.11	0	8	2	97	0.00	0.0	5.860	0.082	8	2	1	1
PL.21943	PL.21938	A	#4 ACSR	7.21Y	120.2	0.00	4.77	0.67	1	5	1	98	0.00	0.0	5.708	0.005	0	0	0	1
PD.3132	PL.21943	A	65T	7.21Y	120.2	0.00	4.77	0.67	0	5	1	98	0.00	0.0	5.708	0.005	0	0	0	1
PL.21944	PD.3132	A	#4 ACSR	7.21Y	120.2	0.00	4.77	0.67	1	5	1	98	0.00	0.0	5.767	0.059	5	1	1	1
PL.21862	PL.66259	B	#4 ACSR	7.23Y	120.5	0.00	4.52	1.00	1	7	2	96	0.00	0.0	5.427	0.042	7	2	2	2
PL.22291	PL.66259	A	#4 ACSR	7.23Y	120.5	0.00	4.52	3.69	3	26	8	96	0.00	0.0	5.389	0.005	0	0	0	4
PD.3129	PL.22291	A	65T	7.23Y	120.5	0.00	4.52	3.69	0	26	8	96	0.00	0.0	5.389	0.005	0	0	0	4
PL.22292	PD.3129	A	#4 ACSR	7.23Y	120.5	0.01	4.53	3.69	3	26	8	96	0.00	0.0	5.460	0.070	4	1	1	4
PL.22162	PL.22292	A	#4 ACSR	7.23Y	120.5	0.00	4.53	3.15	2	22	7	95	0.00	0.0	5.509	0.049	22	7	3	3
PL.21939	PL.22096	C	#4 ACSR	7.24Y	120.6	0.00	4.36	2.74	2	19	6	95	0.00	0.0	5.216	0.005	0	0	0	3

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.3130	PL.21939	C	65T	7.24Y	120.6	0.00	4.36	2.74	0	19	6	95	0.00	0.0	5.216	0.005	0	0	0	3
PL.21940	PD.3130	C	#4 ACSR	7.24Y	120.6	0.00	4.37	2.74	2	19	6	95	0.00	0.0	5.251	0.035	0	0	0	3
PL.22165	PL.21940	C	#4 ACSR	7.24Y	120.6	0.00	4.37	2.74	2	19	6	95	0.00	0.0	5.295	0.044	7	2	1	3
PL.22161	PL.22165	C	#4 ACSR	7.24Y	120.6	0.00	4.37	1.78	1	12	4	95	0.00	0.0	5.320	0.025	12	4	2	2
PL.22369	PL.22221	A	#4 ACSR	7.25Y	120.8	0.00	4.19	0.78	1	5	2	93	0.00	0.0	5.031	0.004	0	0	0	1
PD.3191	PL.22369	A	65T	7.25Y	120.8	0.00	4.19	0.78	0	5	2	93	0.00	0.0	5.031	0.004	0	0	0	1
PL.22370	PD.3191	A	#4 ACSR	7.25Y	120.8	0.00	4.19	0.78	1	5	2	93	0.00	0.0	5.095	0.064	5	2	1	1
PL.22328	PL.22093	A	#4 ACSR	7.25Y	120.9	0.00	4.09	0.54	0	4	1	97	0.00	0.0	4.921	0.005	0	0	0	1
PD.3170	PL.22328	A	65T	7.25Y	120.9	0.00	4.09	0.54	0	4	1	97	0.00	0.0	4.921	0.005	0	0	0	1
PL.22329	PD.3170	A	#4 ACSR	7.25Y	120.9	0.00	4.09	0.54	0	4	1	97	0.00	0.0	4.959	0.038	4	1	1	1
PL.22316	PL.22214	C	#4 ACSR	7.26Y	121.1	0.00	3.95	3.94	3	27	8	96	0.00	0.0	4.776	0.005	0	0	0	6
PD.3164	PL.22316	C	65T	7.26Y	121.1	0.00	3.95	3.94	0	27	8	96	0.00	0.0	4.776	0.005	0	0	0	6
PL.22317	PD.3164	C	#4 ACSR	7.26Y	121.0	0.01	3.96	3.94	3	27	8	96	0.00	0.0	4.842	0.067	0	0	0	6
PL.22091	PL.22317	C	#4 ACSR	7.26Y	121.0	0.00	3.96	3.48	3	24	7	96	0.00	0.0	4.874	0.031	16	5	2	4
PL.22155	PL.22091	C	#1/0 ACSR	7.26Y	121.0	0.00	3.97	1.23	1	9	3	95	0.00	0.0	4.905	0.031	0	0	0	2
PL.22156	PL.22155	C	#1/0 ACSR	7.26Y	121.0	0.00	3.97	1.23	1	9	3	95	0.00	0.0	4.940	0.035	9	3	2	2
PL.21860	PL.22317	C	#1/0 ACSR	7.26Y	121.0	0.00	3.96	0.46	0	3	1	95	0.00	0.0	4.882	0.039	3	1	2	2
PL.22365	PL.22214	A	#4 ACSR	7.26Y	121.1	0.00	3.95	0.29	0	2	1	89	0.00	0.0	4.775	0.004	0	0	0	1
PD.3189	PL.22365	A	65T	7.26Y	121.1	0.00	3.95	0.29	0	2	1	89	0.00	0.0	4.775	0.004	0	0	0	1
PL.22366	PD.3189	A	#4 ACSR	7.26Y	121.1	0.00	3.95	0.29	0	2	1	89	0.00	0.0	4.821	0.046	2	1	1	1
PL.22314	PL.22087	C	6 A (CWC)	7.27Y	121.1	0.00	3.86	4.29	3	30	9	96	0.00	0.0	4.684	0.005	0	0	0	5
PD.3163	PL.22314	C	65T	7.27Y	121.1	0.00	3.86	4.29	0	30	9	96	0.00	0.0	4.684	0.005	0	0	0	5
PL.22315	PD.3163	C	6 A (CWC)	7.27Y	121.1	0.01	3.87	4.29	3	30	9	96	0.00	0.0	4.749	0.065	8	2	1	5
PL.22215	PL.22315	C	6 A (CWC)	7.27Y	121.1	0.01	3.88	3.19	2	22	7	95	0.00	0.0	4.868	0.119	15	5	3	4
PL.21859	PL.22215	C	#4 ACSR	7.27Y	121.1	0.00	3.88	1.05	1	7	2	96	0.00	0.0	4.918	0.049	7	2	1	1
PL.21857	PL.22087	B	#4 ACSR	7.27Y	121.1	0.00	3.86	0.65	1	5	1	98	0.00	0.0	4.714	0.035	5	1	4	4
PL.22320	PL.22217	C	6 A (CWC)	7.27Y	121.2	0.00	3.75	0.17	0	1	0	100	0.00	0.0	4.587	0.005	0	0	0	1
PD.3166	PL.22320	C	65T	7.27Y	121.2	0.00	3.75	0.17	0	1	0	100	0.00	0.0	4.587	0.005	0	0	0	1
PL.22321	PD.3166	C	6 A (CWC)	7.27Y	121.2	0.00	3.75	0.17	0	1	0	100	0.00	0.0	4.642	0.056	1	0	1	1
PL.22361	PL.22082	A	#4 ACSR	7.29Y	121.5	0.00	3.50	0.30	0	2	1	89	0.00	0.0	4.354	0.005	0	0	0	1
PD.3187	PL.22361	A	65T	7.29Y	121.5	0.00	3.50	0.30	0	2	1	89	0.00	0.0	4.354	0.005	0	0	0	1

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

Balanced Voltage Drop Report
Source: Hargett

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.22362	PD.3187	A	#4 ACSR	7.29Y	121.5	0.00	3.50	0.30	0	2	1	89	0.00	0.0	4.378	0.024	2	1	1	1
PL.22324	PL.22081	B	6 A (CWC)	7.30Y	121.6	0.00	3.41	1.00	1	7	2	96	0.00	0.0	4.266	0.005	0	0	0	1
PD.3168	PL.22324	B	65T	7.30Y	121.6	0.00	3.41	1.00	0	7	2	96	0.00	0.0	4.266	0.005	0	0	0	1
PL.22325	PD.3168	B	6 A (CWC)	7.30Y	121.6	0.00	3.41	1.00	1	7	2	96	0.00	0.0	4.376	0.109	7	2	1	1
PL.22357	PL.22076	B	#4 ACSR	7.31Y	121.8	0.00	3.22	0.44	0	3	1	95	0.00	0.0	4.099	0.005	0	0	0	1
PD.3185	PL.22357	B	65T	7.31Y	121.8	0.00	3.22	0.44	0	3	1	95	0.00	0.0	4.099	0.005	0	0	0	1
PL.22358	PD.3185	B	#4 ACSR	7.31Y	121.8	0.00	3.22	0.44	0	3	1	95	0.00	0.0	4.166	0.067	3	1	1	1
PL.21967	PL.22181	C	#2 ACSR	7.33Y	122.1	0.00	2.86	0.55	0	4	1	97	0.00	0.0	3.783	0.005	0	0	0	2
PD.3144	PL.21967	C	65T	7.33Y	122.1	0.00	2.86	0.55	0	4	1	97	0.00	0.0	3.783	0.005	0	0	0	2
PL.21968	PD.3144	C	#2 ACSR	7.33Y	122.1	0.00	2.86	0.55	0	4	1	97	0.00	0.0	3.828	0.045	0	0	1	2
PL.22189	PL.21968	C	#2 ACSR	7.33Y	122.1	0.00	2.86	0.49	0	3	1	95	0.00	0.0	3.869	0.040	0	0	0	1
PL.22179	PL.22189	C	#2 ACSR	7.33Y	122.1	0.00	2.86	0.49	0	3	1	95	0.00	0.0	3.907	0.038	3	1	1	1
PL.21961	PL.22192	A	6 A (CWC)	7.35Y	122.4	0.00	2.55	0.77	1	5	2	93	0.00	0.0	3.524	0.004	0	0	0	1
PD.3141	PL.21961	A	65T	7.35Y	122.4	0.00	2.55	0.77	0	5	2	93	0.00	0.0	3.524	0.004	0	0	0	1
PL.21962	PD.3141	A	6 A (CWC)	7.35Y	122.4	0.00	2.55	0.77	1	5	2	93	0.00	0.0	3.551	0.027	0	0	0	1
PL.21754	PL.21962	A	#1/0 ACSR	7.35Y	122.4	0.00	2.55	0.77	0	5	2	93	0.00	0.0	3.581	0.029	5	2	1	1
PL.21975	PL.21933	A	#4 ACSR	7.36Y	122.6	0.00	2.38	0.48	0	3	1	95	0.00	0.0	3.391	0.005	0	0	0	1
PD.3148	PL.21975	A	65T	7.36Y	122.6	0.00	2.38	0.48	0	3	1	95	0.00	0.0	3.391	0.005	0	0	0	1
PL.21976	PD.3148	A	#4 ACSR	7.36Y	122.6	0.00	2.38	0.48	0	3	1	95	0.00	0.0	3.432	0.041	3	1	1	1
PL.21762	PL.21751	C	#4 ACSR	7.36Y	122.7	0.00	2.30	1.80	1	13	4	96	0.00	0.0	3.329	0.005	0	0	0	2
PD.3196	PL.21762	C	65T	7.36Y	122.7	0.00	2.30	1.80	0	13	4	96	0.00	0.0	3.329	0.005	0	0	0	2
PL.21763	PD.3196	C	#4 ACSR	7.36Y	122.7	0.00	2.31	1.80	1	13	4	96	0.00	0.0	3.383	0.054	13	4	2	2
PL.21750	PL.22051	C	#4 ACSR	7.37Y	122.9	0.00	2.13	1.55	1	11	3	96	0.00	0.0	3.255	0.069	0	0	0	2
PL.21979	PL.21750	C	#4 ACSR	7.37Y	122.9	0.00	2.13	1.55	1	11	3	96	0.00	0.0	3.260	0.005	0	0	0	2
PD.3150	PL.21979	C	65T	7.37Y	122.9	0.00	2.13	1.55	0	11	3	96	0.00	0.0	3.260	0.005	0	0	0	2
PL.21980	PD.3150	C	#4 ACSR	7.37Y	122.9	0.00	2.14	1.55	1	11	3	96	0.00	0.0	3.326	0.066	0	0	0	2
PL.21752	PL.21980	C	#4 ACSR	7.37Y	122.9	0.00	2.14	1.55	1	11	3	96	0.00	0.0	3.340	0.014	11	3	2	2
PL.21977	PL.22051	A	#1/0 ACSR	7.37Y	122.9	0.00	2.13	0.75	0	5	2	93	0.00	0.0	3.191	0.005	0	0	0	1
PD.3149	PL.21977	A	65T	7.37Y	122.9	0.00	2.13	0.75	0	5	2	93	0.00	0.0	3.191	0.005	0	0	0	1
PL.21978	PD.3149	A	#1/0 ACSR	7.37Y	122.9	0.00	2.13	0.75	0	5	2	93	0.00	0.0	3.311	0.120	5	2	1	1
PL.21772	PL.21915	ABC	#4 ACSR	7.41Y	123.5	0.00	1.55	7.38	6	148	71	90	0.00	0.0	2.747	0.005	0	0	0	1

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Balanced Voltage Drop Report
Source: Hargett

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.3201	PL.21772	ABC	65T	7.41Y	123.5	0.00	1.55	7.38	0	148	71	90	0.00	0.0	2.747	0.005	0	0	0	1
PL.21773	PD.3201	ABC	#4 ACSR	7.41Y	123.4	0.00	1.55	7.38	6	148	71	90	0.00	0.0	2.760	0.013	0	0	0	1
PL.22207	PL.21773	ABC	#4 ACSR	7.41Y	123.4	0.00	1.56	7.38	6	148	71	90	0.00	0.0	2.774	0.014	148	71	1	1
PL.21768	PL.21739	A	6 A (CWC)	7.41Y	123.5	0.00	1.46	2.17	2	15	5	95	0.00	0.0	2.683	0.005	0	0	0	2
PD.3199	PL.21768	A	65T	7.41Y	123.5	0.00	1.46	2.17	0	15	5	95	0.00	0.0	2.683	0.005	0	0	0	2
PL.21769	PD.3199	A	6 A (CWC)	7.41Y	123.5	0.01	1.46	2.17	2	15	5	95	0.00	0.0	2.746	0.063	0	0	0	2
PL.22257	PL.21769	A	#2 ACSR	7.41Y	123.5	0.00	1.47	2.17	1	15	5	95	0.00	0.0	2.820	0.074	11	3	1	2
PL.22258	PL.22257	A	#2 ACSR	7.41Y	123.5	0.00	1.47	0.56	0	4	1	97	0.00	0.0	2.898	0.078	0	0	0	1
PL.21875	PL.22258	A	#2 ACSR	7.41Y	123.5	0.00	1.47	0.56	0	4	1	97	0.00	0.0	2.962	0.064	4	1	1	1
PL.22308	PL.21925	C	#1/0 ACSR	7.42Y	123.6	0.00	1.38	0.00	0	0	0	100	0.00	0.0	2.596	0.004	0	0	0	0
PD.3160	PL.22308	C	65T	7.42Y	123.6	0.00	1.38	0.00	0	0	0	100	0.00	0.0	2.596	0.004	0	0	0	0
PL.22309	PD.3160	C	#1/0 ACSR	7.42Y	123.6	0.00	1.38	0.00	0	0	0	100	0.00	0.0	2.623	0.027	0	0	0	0
PL.22294	PL.22346	A	#1/0 ACSR	7.45Y	124.2	0.00	0.80	0.41	0	3	1	95	0.00	0.0	1.759	0.005	0	0	0	2
PD.3153	PL.22294	A	65T	7.45Y	124.2	0.00	0.80	0.41	0	3	1	95	0.00	0.0	1.759	0.005	0	0	0	2
PL.22295	PD.3153	A	#1/0 ACSR	7.45Y	124.2	0.00	0.80	0.41	0	3	1	95	0.00	0.0	1.767	0.008	0	0	0	2
PL.21730	PL.22295	A	#4 ACSR	7.45Y	124.2	0.00	0.81	0.41	0	3	1	95	0.00	0.0	1.883	0.115	0	0	0	2
PL.22046	PL.21730	A	#4 ACSR	7.45Y	124.2	0.00	0.81	0.41	0	3	1	95	0.00	0.0	1.965	0.082	0	0	1	2
PL.21731	PL.22046	A	#1/0 ACSR	7.45Y	124.2	0.00	0.81	0.40	0	3	1	95	0.00	0.0	1.989	0.024	0	0	0	1
PL.21983	PL.21731	A	1/0 AL URD	7.45Y	124.2	0.00	0.81	0.40	0	3	1	95	0.00	0.0	1.994	0.005	0	0	0	1
PD.3152	PL.21983	A	40T	7.45Y	124.2	0.00	0.81	0.40	0	3	1	95	0.00	0.0	1.994	0.005	0	0	0	1
PL.22293	PD.3152	A	1/0 AL URD	7.45Y	124.2	0.00	0.81	0.40	0	3	1	95	0.00	0.0	2.012	0.019	0	0	0	1
PL.21981	PL.22293	A	#1/0 ACSR	7.45Y	124.2	0.00	0.81	0.40	0	3	1	95	0.00	0.0	2.017	0.005	0	0	0	1
PD.3151	PL.21981	A	25T	7.45Y	124.2	0.00	0.81	0.40	0	3	1	95	0.00	0.0	2.017	0.005	0	0	0	1
PL.21982	PD.3151	A	#1/0 ACSR	7.45Y	124.2	0.00	0.81	0.40	0	3	1	95	0.00	0.0	2.179	0.162	3	1	1	1
PL.22347	PL.22067	A	#4 ACSR	7.46Y	124.3	0.00	0.74	0.00	0	0	0	100	0.00	0.0	1.674	0.005	0	0	0	0
PD.3180	PL.22347	A	65T	7.46Y	124.3	0.00	0.74	0.00	0	0	0	100	0.00	0.0	1.674	0.005	0	0	0	0
PL.22348	PD.3180	A	#4 ACSR	7.46Y	124.3	0.00	0.74	0.00	0	0	0	100	0.00	0.0	1.710	0.036	0	0	0	0
PL.22296	PL.22198	A	#2 ACSR	7.46Y	124.3	0.00	0.66	0.65	0	5	1	98	0.00	0.0	1.553	0.005	0	0	0	2
PD.3154	PL.22296	A	65T	7.46Y	124.3	0.00	0.66	0.65	0	5	1	98	0.00	0.0	1.553	0.005	0	0	0	2
PL.22297	PD.3154	A	#2 ACSR	7.46Y	124.3	0.00	0.66	0.65	0	5	1	98	0.00	0.0	1.591	0.038	5	1	2	2
PL.22341	PL.22045	C	#1/0 ACSR	7.48Y	124.6	0.00	0.37	7.06	3	51	15	96	0.00	0.0	1.069	0.004	0	0	0	2

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.3178	PL.22341	C	65T	7.48Y	124.6	0.00	0.37	7.06	0	51	15	96	0.00	0.0	1.069	0.004	0	0	0	2
PL.22342	PD.3178	C	#1/0 ACSR	7.48Y	124.6	0.00	0.37	7.06	3	51	15	96	0.00	0.0	1.086	0.016	51	15	2	2
PL.22333	PL.22236	A	#4 ACSR	7.48Y	124.7	0.00	0.32	3.09	2	22	7	95	0.00	0.0	0.922	0.004	0	0	0	6
PD.3173	PL.22333	A	65T	7.48Y	124.7	0.00	0.32	3.09	0	22	7	95	0.00	0.0	0.922	0.004	0	0	0	6
PL.22334	PD.3173	A	#4 ACSR	7.48Y	124.7	0.01	0.33	3.09	2	22	7	95	0.00	0.0	0.993	0.070	7	2	1	6
PL.22234	PL.22334	A	#4 ACSR	7.48Y	124.7	0.00	0.33	2.14	2	15	5	95	0.00	0.0	1.031	0.038	4	1	3	5
PL.22233	PL.22234	A	#4 ACSR	7.48Y	124.7	0.00	0.33	1.59	1	11	3	96	0.00	0.0	1.115	0.085	11	3	1	2
PL.22331	PL.22233	A	#1/0 ACSR	7.48Y	124.7	0.00	0.33	0.07	0	1	0	100	0.00	0.0	1.120	0.005	0	0	0	1
PD.3172	PL.22331	A	40T	7.48Y	124.7	0.00	0.33	0.07	0	1	0	100	0.00	0.0	1.120	0.005	0	0	0	1
PL.22332	PD.3172	A	#1/0 ACSR	7.48Y	124.7	0.00	0.33	0.07	0	1	0	100	0.00	0.0	1.177	0.057	1	0	1	1
PL.22335	PL.22044	C	#4 ACSR	7.48Y	124.7	0.00	0.27	5.25	4	38	11	96	0.00	0.0	0.786	0.004	0	0	0	12
PD.3174	PL.22335	C	65T	7.48Y	124.7	0.00	0.27	5.25	0	38	11	96	0.00	0.0	0.786	0.004	0	0	0	12
PL.22336	PD.3174	C	#4 ACSR	7.48Y	124.7	0.01	0.28	5.25	4	38	11	96	0.00	0.0	0.831	0.045	12	4	3	12
PL.22240	PL.22336	C	#4 ACSR	7.48Y	124.7	0.02	0.30	3.63	3	26	8	96	0.00	0.0	0.939	0.108	1	0	1	9
PL.22239	PL.22240	C	#4 ACSR	7.48Y	124.7	0.01	0.31	3.56	3	25	8	95	0.00	0.0	1.014	0.075	4	1	2	8
PL.21726	PL.22239	C	#2 ACSR	7.48Y	124.7	0.00	0.31	1.05	1	7	2	96	0.00	0.0	1.040	0.026	7	2	1	1
PL.21727	PL.22239	C	#4 ACSR	7.48Y	124.7	0.00	0.32	2.01	2	14	4	96	0.00	0.0	1.058	0.044	3	1	2	5
PL.21729	PL.21727	C	#2 ACSR	7.48Y	124.7	0.00	0.32	1.20	1	9	3	95	0.00	0.0	1.087	0.030	0	0	0	2
PL.22237	PL.21729	C	#1/0 ACSR	7.48Y	124.7	0.00	0.32	1.20	1	9	3	95	0.00	0.0	1.101	0.014	4	1	1	2
PL.22238	PL.22237	C	#1/0 ACSR	7.48Y	124.7	0.00	0.32	0.63	0	5	1	98	0.00	0.0	1.203	0.102	5	1	1	1
PL.21919	PL.21729	C	#2 ACSR	7.48Y	124.7	0.00	0.32	0.00	0	0	0	100	0.00	0.0	1.125	0.037	0	0	0	0
PL.21728	PL.21727	C	#4 ACSR	7.48Y	124.7	0.00	0.32	0.36	0	3	1	95	0.00	0.0	1.092	0.034	3	1	1	1
PL.22065	PL.22066	B	#1/0 ACSR	7.49Y	124.8	0.00	0.19	1.16	1	8	3	94	0.00	0.0	0.559	0.011	0	0	0	2
PD.3175	PL.22065	B	65T	7.49Y	124.8	0.00	0.19	1.16	0	8	3	94	0.00	0.0	0.559	0.011	0	0	0	2
PL.22337	PD.3175	B	#1/0 ACSR	7.49Y	124.8	0.00	0.20	1.16	1	8	3	94	0.00	0.0	0.613	0.054	0	0	1	2
PL.22226	PL.22337	B	#1/0 ACSR	7.49Y	124.8	0.00	0.20	1.11	0	8	2	97	0.00	0.0	0.657	0.044	8	2	1	1
PL.22339	PL.21916	A	6 A (CWC)	7.49Y	124.8	0.00	0.15	5.77	4	41	13	95	0.00	0.0	0.431	0.004	0	0	0	10
PD.3177	PL.22339	A	65T	7.49Y	124.8	0.00	0.15	5.77	0	41	13	95	0.00	0.0	0.431	0.004	0	0	0	10
PL.22340	PD.3177	A	6 A (CWC)	7.49Y	124.8	0.02	0.17	5.77	4	41	13	95	0.01	0.0	0.510	0.079	0	0	0	10
PL.22064	PL.22340	A	6 A (CWC)	7.49Y	124.8	0.01	0.18	1.40	1	10	3	96	0.00	0.0	0.613	0.103	0	0	0	4
PL.22042	PL.22064	A	6 A (CWC)	7.49Y	124.8	0.01	0.19	1.40	1	10	3	96	0.00	0.0	0.729	0.116	0	0	0	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	Length (mi)	-----Element-----			
																KW	KVAR	Cons On	Cons Thru	
PL.21918	PL.22042	A	6 A (CWC)	7.49Y	124.8	0.01	0.19	1.16	1	8	3	94	0.00	0.0	0.831	0.102	0	0	0	3
PL.22229	PL.21918	A	6 A (CWC)	7.49Y	124.8	0.01	0.20	1.16	1	8	3	94	0.00	0.0	0.940	0.109	0	0	1	3
PL.22230	PL.22229	A	6 A (CWC)	7.49Y	124.8	0.00	0.20	1.16	1	8	3	94	0.00	0.0	0.989	0.049	0	0	0	2
PL.22227	PL.22230	A	#2 ACSR	7.49Y	124.8	0.00	0.20	0.73	0	5	2	93	0.00	0.0	1.044	0.055	5	2	1	1
PL.22228	PL.22227	A	#2 ACSR	7.49Y	124.8	0.00	0.20	0.00	0	0	0	100	0.00	0.0	1.115	0.071	0	0	0	0
PL.22043	PL.22228	A	#2 ACSR	7.49Y	124.8	0.00	0.20	0.00	0	0	0	100	0.00	0.0	1.248	0.132	0	0	0	0
PL.21722	PL.22230	A	6 A (CWC)	7.49Y	124.8	0.00	0.20	0.43	0	3	1	95	0.00	0.0	1.079	0.090	3	1	1	1
PL.21723	PL.21722	A	#2 ACSR	7.49Y	124.8	0.00	0.20	0.00	0	0	0	100	0.00	0.0	1.121	0.042	0	0	0	0
PL.21721	PL.22042	A	#4 ACSR	7.49Y	124.8	0.00	0.19	0.24	0	2	1	89	0.00	0.0	0.797	0.069	2	1	1	1
PL.21720	PL.22340	A	#1/0 ACSR	7.49Y	124.8	0.00	0.18	4.37	2	31	10	95	0.00	0.0	0.528	0.018	3	1	1	6
PL.22231	PL.21720	A	#1/0 ACSR	7.49Y	124.8	0.00	0.18	3.94	2	28	9	95	0.00	0.0	0.576	0.048	4	1	1	5
PL.22232	PL.22231	A	#1/0 ACSR	7.49Y	124.8	0.00	0.18	3.33	1	24	7	96	0.00	0.0	0.624	0.048	7	2	1	4
PL.21724	PL.22232	A	#1/0 ACSR	7.49Y	124.8	0.00	0.18	1.51	1	11	3	96	0.00	0.0	0.707	0.083	11	3	2	2
PL.21725	PL.22232	A	#1/0 ACSR	7.49Y	124.8	0.00	0.18	0.90	0	6	2	95	0.00	0.0	0.674	0.050	6	2	1	1

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

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load	Losses	Total		
KW	6118	0	0	0	0	0	98		0.00	6216	Lowest Voltage = 118.13 on Element PL.22476	
KVAR	1887	0	0	-6	0	0	167			2048	Max Accm VoltD = 6.87 on Element PL.22476	
											Max Elem VoltD = 0.44 on Element PL.22508	