

Balanced Voltage Drop Report
Source: Big Creek

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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	

Big Creek		ABC	SRC-Big Cr	7.50Y	125.0	0.00	0.00	180.00	0	3847	1266	95	0.00	0.0	0.000	0.000	0	0	0	931
PL.64980	Big Creek	ABC	336 MCM AC	7.50Y	125.0	0.01	0.01	104.30	20	2227	741	95	0.08	0.0	0.009	0.009	0	0	0	551
PL.64981	PL.64980	ABC	336 MCM AC	7.50Y	125.0	0.00	0.01	104.30	20	2227	740	95	0.04	0.0	0.013	0.004	0	0	0	551
----- Feeder No. 3 (Flat Creek F3) Beginning with Device PD.9988 -----																				
PD.9988	PL.64981	ABC	480VWE	7.50Y	125.0	0.00	0.01	104.30	0	2227	740	95	0.00	0.0	0.013	0.004	0	0	0	551
PL.64986	PD.9988	ABC	336 MCM AC	7.50Y	125.0	0.00	0.01	104.30	20	2227	740	95	0.03	0.0	0.017	0.004	0	0	0	551
PL.64987	PL.64986	ABC	336 MCM AC	7.50Y	125.0	0.00	0.02	104.30	20	2227	740	95	0.06	0.0	0.023	0.006	0	0	0	551
PL.64955	PL.64987	ABC	336 MCM AC	7.50Y	125.0	0.03	0.05	104.30	20	2227	740	95	0.34	0.0	0.060	0.037	0	0	0	551
PL.64956	PL.64955	ABC	336 MCM AC	7.49Y	124.9	0.04	0.09	104.30	20	2226	739	95	0.44	0.0	0.109	0.048	0	0	0	551
PL.140	PL.64956	ABC	336 MCM AC	7.49Y	124.9	0.05	0.14	104.30	20	2226	738	95	0.61	0.0	0.175	0.066	0	0	0	549
PL.26129	PL.140	ABC	336 MCM AC	7.48Y	124.6	0.22	0.36	99.82	19	2129	706	95	2.30	0.1	0.449	0.275	7	2	1	530
PL.830	PL.26129	ABC	336 MCM AC	7.47Y	124.6	0.07	0.43	99.50	19	2120	699	95	0.77	0.0	0.542	0.092	0	0	0	529
PL.1203	PL.830	C	#1/0 ACSR	7.47Y	124.6	0.00	0.43	0.00	0	0	0	100	0.00	0.0	0.547	0.005	0	0	0	0
PD.130	PL.1203	C	40QA	7.47Y	124.6	0.00	0.43	0.00	0	0	0	100	0.00	0.0	0.547	0.005	0	0	0	0
PL.1204	PD.130	C	#1/0 ACSR	7.47Y	124.6	0.00	0.43	0.00	0	0	0	100	0.00	0.0	0.573	0.026	0	0	0	0
PL.1103	PL.830	A	#1/0 ACSR	7.47Y	124.6	0.00	0.43	3.69	2	26	8	96	0.00	0.0	0.546	0.005	0	0	0	6
PD.76	PL.1103	A	40QA	7.47Y	124.6	0.00	0.43	3.69	9	26	8	96	0.00	0.0	0.546	0.005	0	0	0	6
PL.1104	PD.76	A	#1/0 ACSR	7.47Y	124.6	0.00	0.43	3.69	2	26	8	96	0.00	0.0	0.589	0.043	13	4	3	6
PL.137	PL.1104	A	6 A (CWC)	7.47Y	124.6	0.01	0.44	1.82	1	13	4	96	0.00	0.0	0.773	0.183	13	4	3	3
PL.139	PL.137	A	#1/0 ACSR	7.47Y	124.6	0.00	0.44	0.00	0	0	0	100	0.00	0.0	0.826	0.053	0	0	0	0
PL.832	PL.830	ABC	336 MCM AC	7.47Y	124.5	0.08	0.51	98.27	19	2093	689	95	0.83	0.0	0.644	0.102	0	0	0	523
PL.259	PL.832	ABC	336 MCM AC	7.47Y	124.5	0.03	0.54	98.27	19	2092	687	95	0.26	0.0	0.676	0.033	19	6	4	523
PL.937	PL.259	ABC	336 MCM AC	7.47Y	124.4	0.04	0.57	97.05	19	2066	678	95	0.39	0.0	0.726	0.049	0	0	0	518
PL.136	PL.937	ABC	336 MCM AC	7.46Y	124.4	0.05	0.62	97.05	19	2066	677	95	0.49	0.0	0.787	0.062	0	0	1	518
PL.985	PL.136	C	#4 ACSR	7.46Y	124.4	0.00	0.62	1.45	1	10	3	96	0.00	0.0	0.792	0.004	0	0	0	2
PD.18	PL.985	C	40QA	7.46Y	124.4	0.00	0.62	1.45	4	10	3	96	0.00	0.0	0.792	0.004	0	0	0	2
PL.986	PD.18	C	#4 ACSR	7.46Y	124.4	0.00	0.62	1.45	1	10	3	96	0.00	0.0	0.817	0.026	10	3	2	2
PL.1376	PL.136	ABC	336 MCM AC	7.46Y	124.4	0.01	0.63	96.56	19	2055	672	95	0.11	0.0	0.802	0.015	0	0	0	514
PL.1375	PL.1376	ABC	336 MCM AC	7.46Y	124.4	0.00	0.63	96.56	19	2055	672	95	0.03	0.0	0.805	0.003	0	0	0	514
PL.315	PL.1375	ABC	336 MCM AC	7.46Y	124.4	0.01	0.65	96.56	19	2055	672	95	0.15	0.0	0.824	0.019	8	3	3	514

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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-Base Voltage:120.0-																				
Element Name	Parent Name	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.314	PL.315	ABC	336 MCM AC	7.46Y	124.3	0.04	0.68	96.18	19	2046	669	95	0.38	0.0	0.874	0.049	18	6	3	511
PL.302	PL.314	ABC	336 MCM AC	7.46Y	124.3	0.04	0.72	52.56	10	1119	363	95	0.23	0.0	0.971	0.098	0	0	0	237
PL.304	PL.302	ABC	336 MCM AC	7.46Y	124.3	0.02	0.75	52.13	10	1109	360	95	0.13	0.0	1.029	0.058	0	0	0	236
PL.959	PL.304	A	#1/0 ACSR	7.46Y	124.3	0.00	0.75	0.08	0	1	0	100	0.00	0.0	1.034	0.005	0	0	0	1
PD.5	PL.959	A	40QA	7.46Y	124.3	0.00	0.75	0.08	0	1	0	100	0.00	0.0	1.034	0.005	0	0	0	1
PL.960	PD.5	A	#1/0 ACSR	7.46Y	124.3	0.00	0.75	0.08	0	1	0	100	0.00	0.0	1.134	0.100	1	0	1	1
PL.64932	PL.304	ABC	336 MCM AC	7.45Y	124.2	0.04	0.78	52.10	10	1109	359	95	0.20	0.0	1.118	0.089	0	0	0	235
PL.65729	PL.64932	ABC	336 MCM AC	7.45Y	124.2	0.00	0.79	52.10	10	1108	359	95	0.01	0.0	1.122	0.003	0	0	0	235
PD.9580-A	PL.65729	ABC	Closed	7.45Y	124.2	0.00	0.79	52.10	0	1108	359	95	0.00	0.0	1.122	0.003	0	0	0	235
PD.9580-B	PD.9580-A	ABC	Closed	7.45Y	124.2	0.00	0.79	52.10	0	1108	359	95	0.00	0.0	1.122	0.003	0	0	0	235
PL.65730	PD.9580-B	ABC	336 MCM AC	7.45Y	124.2	0.04	0.82	52.10	10	1108	359	95	0.21	0.0	1.216	0.094	7	2	2	235
PL.961	PL.65730	A	#4 ACSR	7.45Y	124.2	0.00	0.82	1.49	1	11	3	96	0.00	0.0	1.220	0.005	0	0	0	3
PD.6	PL.961	A	40QA	7.45Y	124.2	0.00	0.82	1.49	4	11	3	96	0.00	0.0	1.220	0.005	0	0	0	3
PL.962	PD.6	A	#4 ACSR	7.45Y	124.2	0.00	0.82	1.49	1	11	3	96	0.00	0.0	1.233	0.012	11	3	3	3
PL.309	PL.65730	ABC	336 MCM AC	7.45Y	124.2	0.02	0.85	51.29	10	1091	353	95	0.12	0.0	1.268	0.052	2	1	1	230
PL.310	PL.309	ABC	336 MCM AC	7.45Y	124.1	0.02	0.87	51.21	10	1089	352	95	0.13	0.0	1.325	0.057	0	0	0	229
PL.963	PL.310	C	#1/0 ACSR	7.45Y	124.1	0.00	0.87	2.60	1	18	6	95	0.00	0.0	1.330	0.005	0	0	0	2
PD.7	PL.963	C	40QA	7.45Y	124.1	0.00	0.87	2.60	7	18	6	95	0.00	0.0	1.330	0.005	0	0	0	2
PL.964	PD.7	C	#1/0 ACSR	7.45Y	124.1	0.00	0.87	2.60	1	18	6	95	0.00	0.0	1.356	0.026	18	6	2	2
PL.316	PL.310	ABC	336 MCM AC	7.45Y	124.1	0.02	0.89	50.34	10	1070	345	95	0.12	0.0	1.382	0.057	17	5	3	227
PL.317	PL.316	ABC	336 MCM AC	7.45Y	124.1	0.01	0.90	49.55	10	1053	340	95	0.06	0.0	1.412	0.029	0	0	0	224
PL.965	PL.317	C	#4 ACSR	7.45Y	124.1	0.00	0.90	2.30	2	16	5	95	0.00	0.0	1.416	0.005	0	0	0	3
PD.8	PL.965	C	40QA	7.45Y	124.1	0.00	0.90	2.30	6	16	5	95	0.00	0.0	1.416	0.005	0	0	0	3
PL.966	PD.8	C	#4 ACSR	7.45Y	124.1	0.00	0.90	2.30	2	16	5	95	0.00	0.0	1.424	0.007	16	5	3	3
PL.1115	PL.317	C	#1/0 ACSR	7.45Y	124.1	0.00	0.90	7.92	3	56	18	95	0.00	0.0	1.416	0.005	0	0	0	18
PD.82	PL.1115	C	40QA	7.45Y	124.1	0.00	0.90	7.92	20	56	18	95	0.00	0.0	1.416	0.005	0	0	0	18
PL.1116	PD.82	C	#1/0 ACSR	7.45Y	124.1	0.00	0.91	7.92	3	56	18	95	0.00	0.0	1.441	0.025	4	1	3	18
PL.313	PL.1116	C	#1/0 ACSR	7.45Y	124.1	0.01	0.91	5.60	2	40	13	95	0.00	0.0	1.491	0.050	3	1	2	8
PL.312	PL.313	C	#1/0 ACSR	7.44Y	124.1	0.00	0.92	5.23	2	37	12	95	0.00	0.0	1.543	0.052	18	6	3	6
PL.9	PL.312	C	#1/0 ACSR	7.44Y	124.1	0.00	0.92	2.64	1	19	6	95	0.00	0.0	1.568	0.025	19	6	3	3
PL.318	PL.1116	C	#1/0 ACSR	7.45Y	124.1	0.00	0.91	1.79	1	13	4	96	0.00	0.0	1.467	0.026	0	0	0	7

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Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.322	PL.318	C	#1/0 ACSR	7.45Y	124.1	0.00	0.91	1.79	1	13	4	96	0.00	0.0	1.493	0.026	3	1	2	7
PL.323	PL.322	C	#1/0 ACSR	7.45Y	124.1	0.00	0.91	1.36	1	10	3	96	0.00	0.0	1.548	0.055	10	3	5	5
PL.10	PL.317	ABC	336 MCM AC	7.45Y	124.1	0.01	0.91	46.14	9	981	316	95	0.04	0.0	1.434	0.023	0	0	0	203
PL.11	PL.10	ABC	336 MCM AC	7.44Y	124.1	0.01	0.92	46.09	9	980	316	95	0.07	0.0	1.476	0.041	0	0	0	202
PL.324	PL.11	ABC	336 MCM AC	7.44Y	124.1	0.02	0.94	45.71	9	972	313	95	0.09	0.0	1.529	0.054	10	3	2	200
PL.325	PL.324	ABC	336 MCM AC	7.44Y	124.0	0.01	0.96	45.24	9	961	310	95	0.06	0.0	1.562	0.032	4	1	1	198
PL.326	PL.325	ABC	336 MCM AC	7.44Y	124.0	0.01	0.97	45.05	9	957	308	95	0.06	0.0	1.599	0.037	0	0	0	197
PL.901	PL.326	ABC	336 MCM AC	7.44Y	124.0	0.01	0.98	45.05	9	957	308	95	0.05	0.0	1.627	0.028	0	0	0	197
PL.328	PL.901	ABC	336 MCM AC	7.44Y	124.0	0.01	0.99	44.77	9	951	306	95	0.06	0.0	1.664	0.037	7	2	1	195
PL.327	PL.328	ABC	336 MCM AC	7.44Y	124.0	0.01	1.00	44.42	9	944	304	95	0.06	0.0	1.697	0.034	20	6	2	194
PL.969	PL.327	C	#1/0 ACSR	7.44Y	124.0	0.00	1.00	0.18	0	1	0	100	0.00	0.0	1.702	0.005	0	0	0	1
PD.10	PL.969	C	40QA	7.44Y	124.0	0.00	1.00	0.18	0	1	0	100	0.00	0.0	1.702	0.005	0	0	0	1
PL.970	PD.10	C	#1/0 ACSR	7.44Y	124.0	0.00	1.00	0.18	0	1	0	100	0.00	0.0	1.713	0.011	1	0	1	1
PL.40	PL.327	ABC	336 MCM AC	7.44Y	124.0	0.01	1.01	43.44	8	923	297	95	0.05	0.0	1.731	0.034	13	4	1	191
PL.8	PL.40	ABC	336 MCM AC	7.44Y	124.0	0.02	1.03	42.81	8	910	293	95	0.07	0.0	1.778	0.047	0	0	2	190
PL.971	PL.8	A	#2 ACSR	7.44Y	124.0	0.00	1.03	1.37	1	10	3	96	0.00	0.0	1.782	0.004	0	0	0	2
PD.11	PL.971	A	40QA	7.44Y	124.0	0.00	1.03	1.37	3	10	3	96	0.00	0.0	1.782	0.004	0	0	0	2
PL.972	PD.11	A	#2 ACSR	7.44Y	124.0	0.00	1.03	1.37	1	10	3	96	0.00	0.0	1.812	0.029	10	3	2	2
PL.7	PL.8	ABC	336 MCM AC	7.44Y	124.0	0.01	1.04	42.35	8	900	289	95	0.06	0.0	1.819	0.041	0	0	0	186
PL.973	PL.7	A	#2 ACSR	7.44Y	124.0	0.00	1.04	2.88	2	20	7	94	0.00	0.0	1.824	0.005	0	0	0	6
PD.12	PL.973	A	40QA	7.44Y	124.0	0.00	1.04	2.88	7	20	7	94	0.00	0.0	1.824	0.005	0	0	0	6
PL.974	PD.12	A	#2 ACSR	7.44Y	124.0	0.00	1.04	2.88	2	20	7	94	0.00	0.0	1.851	0.027	20	7	6	6
PL.1127	PL.7	C	#4 ACSR	7.44Y	124.0	0.00	1.04	1.88	1	13	4	96	0.00	0.0	1.824	0.005	0	0	0	2
PD.89	PL.1127	C	40QA	7.44Y	124.0	0.00	1.04	1.88	5	13	4	96	0.00	0.0	1.824	0.005	0	0	0	2
PL.1128	PD.89	C	#4 ACSR	7.44Y	124.0	0.00	1.04	1.88	1	13	4	96	0.00	0.0	1.833	0.010	13	4	2	2
PL.36	PL.7	ABC	336 MCM AC	7.44Y	123.9	0.03	1.07	40.76	8	866	278	95	0.14	0.0	1.917	0.098	8	3	1	178
PL.1187	PL.36	A	#2 ACSR	7.44Y	123.9	0.00	1.07	1.10	1	8	2	97	0.00	0.0	1.922	0.005	0	0	0	2
PD.123	PL.1187	A	40QA	7.44Y	123.9	0.00	1.07	1.10	3	8	2	97	0.00	0.0	1.922	0.005	0	0	0	2
PL.1188	PD.123	A	#2 ACSR	7.44Y	123.9	0.00	1.07	1.10	1	8	2	97	0.00	0.0	1.926	0.004	8	2	2	2
PL.1191	PL.36	A	#1/0 ACSR	7.44Y	123.9	0.00	1.07	0.63	0	4	1	97	0.00	0.0	1.922	0.005	0	0	0	2
PD.124	PL.1191	A	40QA	7.44Y	123.9	0.00	1.07	0.63	2	4	1	97	0.00	0.0	1.922	0.005	0	0	0	2

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PL.1192	PD.124	A	#1/0 ACSR	7.44Y	123.9	0.00	1.07	0.63	0	4	1	97	0.00	0.0	1.957	0.035	4	1	2	2
PL.329	PL.1192	A	#1/0 ACSR	7.44Y	123.9	0.00	1.07	0.00	0	0	0	100	0.00	0.0	1.995	0.038	0	0	0	0
PL.1189	PL.36	ABC	336 MCM AC	7.43Y	123.9	0.01	1.09	39.79	8	845	271	95	0.06	0.0	1.961	0.044	0	0	0	173
PL.268	PL.1189	ABC	336 MCM AC	7.43Y	123.9	0.02	1.11	39.79	8	845	271	95	0.08	0.0	2.020	0.059	4	1	1	169
PL.978	PL.268	B	#1/0 ACSR	7.43Y	123.9	0.00	1.11	12.18	5	86	28	95	0.00	0.0	2.025	0.005	0	0	0	16
PD.14	PL.978	B	30T	7.43Y	123.9	0.00	1.11	12.18	0	86	28	95	0.00	0.0	2.025	0.005	0	0	0	16
PL.977	PD.14	B	#1/0 ACSR	7.43Y	123.9	0.00	1.11	12.18	5	86	28	95	0.00	0.0	2.040	0.015	24	8	4	16
PL.320	PL.977	B	8 A (CWC)	7.43Y	123.9	0.03	1.14	8.82	9	62	20	95	0.01	0.0	2.094	0.054	9	3	1	12
PL.319	PL.320	B	6 A (CWC)	7.43Y	123.9	0.01	1.15	6.12	4	43	14	95	0.00	0.0	2.117	0.023	5	2	1	7
PL.899	PL.319	B	6 A (CWC)	7.43Y	123.8	0.01	1.15	5.36	4	38	12	95	0.00	0.0	2.161	0.044	38	12	6	6
PL.37	PL.320	B	8 A (CWC)	7.43Y	123.9	0.00	1.14	1.45	1	10	3	96	0.00	0.0	2.111	0.018	10	3	4	4
PL.903	PL.268	ABC	336 MCM AC	7.43Y	123.9	0.01	1.12	35.54	7	755	242	95	0.04	0.0	2.054	0.034	5	2	1	152
PL.332	PL.903	ABC	336 MCM AC	7.43Y	123.9	0.02	1.13	34.70	7	737	236	95	0.06	0.0	2.117	0.063	7	2	2	150
PL.331	PL.332	ABC	336 MCM AC	7.43Y	123.9	0.01	1.14	34.37	7	730	234	95	0.04	0.0	2.156	0.038	22	7	3	148
PL.333	PL.331	ABC	336 MCM AC	7.43Y	123.9	0.01	1.15	32.96	6	700	224	95	0.03	0.0	2.185	0.029	27	8	8	143
PL.335	PL.333	ABC	336 MCM AC	7.43Y	123.8	0.01	1.16	31.71	6	673	216	95	0.03	0.0	2.219	0.034	14	5	2	135
PL.334	PL.335	ABC	336 MCM AC	7.43Y	123.8	0.01	1.17	31.04	6	659	211	95	0.04	0.0	2.264	0.045	0	0	0	133
PL.338	PL.334	ABC	336 MCM AC	7.43Y	123.8	0.02	1.18	30.18	6	641	205	95	0.05	0.0	2.328	0.065	1	0	1	128
PL.34	PL.338	C	#1/0 ACSR	7.43Y	123.8	0.02	1.21	28.04	12	198	63	95	0.03	0.0	2.364	0.035	0	0	0	42
PL.1259	PL.34	C	8 A (CWC)	7.43Y	123.8	0.01	1.21	28.04	28	198	63	95	0.01	0.0	2.366	0.003	0	0	0	42
C PD.143	PL.1259	C	35H	7.43Y	123.8	0.00	1.21	28.04	80	198	63	95	0.00	0.0	2.366	0.003	0	0	0	42 C
PL.1260	PD.143	C	8 A (CWC)	7.42Y	123.7	0.04	1.25	28.04	28	198	63	95	0.06	0.0	2.389	0.023	30	10	4	42
PL.361	PL.1260	C	8 A (CWC)	7.42Y	123.7	0.04	1.29	23.73	24	168	54	95	0.05	0.0	2.416	0.027	15	5	2	38
PL.358	PL.361	C	8 A (CWC)	7.42Y	123.6	0.07	1.36	18.18	18	128	41	95	0.07	0.1	2.475	0.059	8	3	1	32
PL.359	PL.358	C	8 A (CWC)	7.41Y	123.6	0.06	1.42	16.98	17	120	38	95	0.06	0.0	2.528	0.054	7	2	1	31
PL.357	PL.359	C	8 A (CWC)	7.41Y	123.5	0.08	1.50	15.99	16	113	36	95	0.07	0.1	2.604	0.075	5	2	1	30
PL.356	PL.357	C	8 A (CWC)	7.41Y	123.4	0.06	1.56	15.28	15	108	34	95	0.05	0.0	2.662	0.058	7	2	1	29
PL.354	PL.356	C	8 A (CWC)	7.40Y	123.4	0.07	1.63	14.30	14	101	32	95	0.06	0.1	2.741	0.079	6	2	1	28
PL.355	PL.354	C	8 A (CWC)	7.40Y	123.3	0.04	1.67	13.38	13	94	30	95	0.03	0.0	2.783	0.042	3	1	1	27
PL.905	PL.355	C	8 A (CWC)	7.40Y	123.3	0.01	1.68	12.95	13	91	29	95	0.01	0.0	2.799	0.017	0	0	0	26
PL.906	PL.905	C	8 A (CWC)	7.40Y	123.3	0.03	1.71	12.95	13	91	29	95	0.02	0.0	2.837	0.037	9	3	6	26

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Balanced Voltage Drop Report
Source: Big Creek

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.353	PL.906	C	8 A (CWC)	7.40Y	123.3	0.03	1.74	11.70	12	82	26	95	0.02	0.0	2.870	0.034	7	2	1	20
PL.352	PL.353	C	6 A (CWC)	7.39Y	123.2	0.02	1.76	10.70	8	75	24	95	0.01	0.0	2.920	0.050	1	0	1	19
PL.351	PL.352	C	6 A (CWC)	7.39Y	123.2	0.02	1.78	10.54	8	74	24	95	0.01	0.0	2.965	0.045	8	2	1	18
PL.350	PL.351	C	8 A (CWC)	7.39Y	123.2	0.03	1.82	9.43	9	66	21	95	0.02	0.0	3.018	0.053	6	2	2	17
PL.348	PL.350	C	8 A (CWC)	7.39Y	123.2	0.02	1.83	6.61	7	47	15	95	0.01	0.0	3.062	0.044	7	2	2	11
PL.349	PL.348	C	8 A (CWC)	7.39Y	123.2	0.01	1.85	5.65	6	40	13	95	0.00	0.0	3.106	0.044	14	4	3	9
PL.346	PL.349	C	8 A (CWC)	7.39Y	123.1	0.01	1.86	3.69	4	26	8	96	0.00	0.0	3.158	0.053	17	5	3	6
PL.347	PL.346	C	8 A (CWC)	7.39Y	123.1	0.00	1.86	1.30	1	9	3	95	0.00	0.0	3.217	0.059	1	0	1	3
PL.4498	PL.347	C	#1/0 ACSR	7.39Y	123.1	0.00	1.86	1.17	1	8	3	94	0.00	0.0	3.251	0.034	2	1	1	2
PL.4499	PL.4498	C	#1/0 ACSR	7.39Y	123.1	0.00	1.86	0.94	0	7	2	96	0.00	0.0	3.281	0.029	7	2	1	1
PL.344	PL.350	C	8 A (CWC)	7.39Y	123.2	0.01	1.82	1.96	2	14	4	96	0.00	0.0	3.115	0.097	10	3	1	4
PL.345	PL.344	C	8 A (CWC)	7.39Y	123.2	0.00	1.83	0.52	1	4	1	97	0.00	0.0	3.182	0.067	0	0	0	3
PL.343	PL.345	C	8 A (CWC)	7.39Y	123.2	0.00	1.83	0.52	1	4	1	97	0.00	0.0	3.234	0.052	2	1	1	3
PL.342	PL.343	C	8 A (CWC)	7.39Y	123.2	0.00	1.83	0.20	0	1	0	100	0.00	0.0	3.271	0.037	1	0	1	2
PL.341	PL.342	C	8 A (CWC)	7.39Y	123.2	0.00	1.83	0.00	0	0	0	100	0.00	0.0	3.335	0.065	0	0	0	1
PL.340	PL.341	C	8 A (CWC)	7.39Y	123.2	0.00	1.83	0.00	0	0	0	100	0.00	0.0	3.404	0.069	0	0	1	1
PL.62	PL.361	C	8 A (CWC)	7.42Y	123.7	0.00	1.30	3.38	3	24	8	95	0.00	0.0	2.447	0.031	15	5	2	4
PL.536	PL.62	C	#4 ACSR	7.42Y	123.7	0.00	1.30	1.32	1	9	3	95	0.00	0.0	2.466	0.020	0	0	0	2
PL.537	PL.536	C	#4 ACSR	7.42Y	123.7	0.00	1.30	1.32	1	9	3	95	0.00	0.0	2.489	0.023	9	3	2	2
PL.983	PL.338	A	#1/0 ACSR	7.43Y	123.8	0.00	1.18	3.83	2	27	9	95	0.00	0.0	2.333	0.004	0	0	0	6
PD.17	PL.983	A	40QA	7.43Y	123.8	0.00	1.18	3.83	10	27	9	95	0.00	0.0	2.333	0.004	0	0	0	6
PL.984	PD.17	A	#1/0 ACSR	7.43Y	123.8	0.00	1.19	3.83	2	27	9	95	0.00	0.0	2.360	0.028	0	0	0	6
PL.337	PL.984	A	#1/0 ACSR	7.43Y	123.8	0.00	1.19	3.83	2	27	9	95	0.00	0.0	2.382	0.022	27	9	6	6
PL.35	PL.338	ABC	336 MCM AC	7.43Y	123.8	0.01	1.19	19.50	4	414	133	95	0.01	0.0	2.366	0.038	0	0	0	79
PL.363	PL.35	ABC	336 MCM AC	7.43Y	123.8	0.03	1.21	18.92	4	401	129	95	0.05	0.0	2.536	0.170	0	0	0	76
PL.367	PL.363	ABC	336 MCM AC	7.43Y	123.8	0.02	1.24	18.78	4	398	128	95	0.05	0.0	2.695	0.159	8	2	1	75
PL.29	PL.367	ABC	336 MCM AC	7.43Y	123.8	0.01	1.24	17.85	3	379	121	95	0.01	0.0	2.732	0.038	0	0	0	71
PL.991	PL.29	A	#4 ACSR	7.43Y	123.8	0.00	1.24	2.55	2	18	6	95	0.00	0.0	2.737	0.005	0	0	0	2
PD.21	PL.991	A	40QA	7.43Y	123.8	0.00	1.24	2.55	6	18	6	95	0.00	0.0	2.737	0.005	0	0	0	2
PL.992	PD.21	A	#4 ACSR	7.43Y	123.8	0.00	1.24	2.55	2	18	6	95	0.00	0.0	2.754	0.017	18	6	2	2
PL.28	PL.29	ABC	336 MCM AC	7.43Y	123.8	0.01	1.25	17.00	3	361	115	95	0.01	0.0	2.779	0.047	9	3	2	69

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Balanced Voltage Drop Report
Source: Big Creek

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.993	PL.28	C	#1/0 ACSR	7.43Y	123.8	0.00	1.25	0.99	0	7	2	96	0.00	0.0	2.784	0.005	0	0	0	2
PD.22	PL.993	C	40QA	7.43Y	123.8	0.00	1.25	0.99	2	7	2	96	0.00	0.0	2.784	0.005	0	0	0	2
PL.994	PD.22	C	#1/0 ACSR	7.43Y	123.8	0.00	1.25	0.99	0	7	2	96	0.00	0.0	2.815	0.031	7	2	2	2
PL.371	PL.28	ABC	336 MCM AC	7.42Y	123.7	0.01	1.26	16.23	3	344	110	95	0.02	0.0	2.865	0.086	8	2	1	65
PL.27	PL.371	ABC	336 MCM AC	7.42Y	123.7	0.01	1.27	15.39	3	326	104	95	0.01	0.0	2.913	0.048	0	0	0	60
PL.374	PL.27	ABC	336 MCM AC	7.42Y	123.7	0.01	1.27	14.37	3	305	98	95	0.01	0.0	2.964	0.052	0	0	1	55
PL.373	PL.374	ABC	336 MCM AC	7.42Y	123.7	0.01	1.28	14.37	3	305	97	95	0.01	0.0	3.016	0.051	0	0	0	54
PL.31	PL.373	C	#1/0 ACSR	7.42Y	123.7	0.00	1.28	1.15	1	8	3	94	0.00	0.0	3.020	0.005	0	0	0	4
PD.86	PL.31	C	40QA	7.42Y	123.7	0.00	1.28	1.15	3	8	3	94	0.00	0.0	3.020	0.005	0	0	0	4
PL.252	PD.86	C	#1/0 ACSR	7.42Y	123.7	0.00	1.28	1.15	1	8	3	94	0.00	0.0	3.022	0.001	0	0	0	4
PL.103	PL.252	C	#1/0 ACSR	7.42Y	123.7	0.00	1.28	1.15	1	8	3	94	0.00	0.0	3.048	0.027	8	3	2	2
PL.271	PL.252	C	#1/0 ACSR	7.42Y	123.7	0.00	1.28	0.00	0	0	0	100	0.00	0.0	3.027	0.006	0	0	0	2
PL.32	PL.271	C	#1/0 ACSR	7.42Y	123.7	0.00	1.28	0.00	0	0	0	100	0.00	0.0	3.068	0.041	0	0	2	2
PL.30	PL.373	A	#1/0 ACSR	7.42Y	123.7	0.00	1.28	7.46	3	53	17	95	0.00	0.0	3.020	0.005	0	0	0	10
PD.25	PL.30	A	40QA	7.42Y	123.7	0.00	1.28	7.46	19	53	17	95	0.00	0.0	3.020	0.005	0	0	0	10
PL.253	PD.25	A	#1/0 ACSR	7.42Y	123.7	0.00	1.28	7.46	3	53	17	95	0.00	0.0	3.038	0.018	19	6	3	10
PL.33	PL.253	A	#1/0 ACSR	7.42Y	123.7	0.00	1.28	1.54	1	11	3	96	0.00	0.0	3.088	0.050	11	3	3	3
PL.375	PL.253	A	#4 ACSR	7.42Y	123.7	0.01	1.29	3.26	3	23	7	96	0.00	0.0	3.088	0.049	0	0	0	4
PL.376	PL.375	A	#4 ACSR	7.42Y	123.7	0.00	1.29	3.26	3	23	7	96	0.00	0.0	3.121	0.033	23	7	4	4
PL.26	PL.373	ABC	336 MCM AC	7.42Y	123.7	0.00	1.28	11.49	2	244	78	95	0.01	0.0	3.069	0.054	6	2	1	40
PL.1001	PL.26	ABC	336 MCM AC	7.42Y	123.7	0.00	1.29	10.57	2	224	72	95	0.00	0.0	3.116	0.047	0	0	1	38
PL.377	PL.1001	ABC	336 MCM AC	7.42Y	123.7	0.00	1.29	10.57	2	224	72	95	0.00	0.0	3.138	0.022	0	0	0	37
PL.1003	PL.377	A	#1/0 ACSR	7.42Y	123.7	0.00	1.29	2.75	1	19	6	95	0.00	0.0	3.143	0.005	0	0	0	2
PD.27	PL.1003	A	40QA	7.42Y	123.7	0.00	1.29	2.75	7	19	6	95	0.00	0.0	3.143	0.005	0	0	0	2
PL.1004	PD.27	A	#1/0 ACSR	7.42Y	123.7	0.00	1.29	2.75	1	19	6	95	0.00	0.0	3.162	0.019	19	6	2	2
PL.1121	PL.377	C	#4 ACSR	7.42Y	123.7	0.00	1.29	2.74	2	19	6	95	0.00	0.0	3.143	0.005	0	0	0	3
PD.85	PL.1121	C	40QA	7.42Y	123.7	0.00	1.29	2.74	7	19	6	95	0.00	0.0	3.143	0.005	0	0	0	3
PL.1122	PD.85	C	#4 ACSR	7.42Y	123.7	0.00	1.29	2.74	2	19	6	95	0.00	0.0	3.164	0.021	19	6	3	3
PL.378	PL.377	ABC	336 MCM AC	7.42Y	123.7	0.01	1.29	8.73	2	185	59	95	0.01	0.0	3.220	0.081	0	0	0	32
PL.1005	PL.378	C	#1/0 ACSR	7.42Y	123.7	0.00	1.29	1.84	1	13	4	96	0.00	0.0	3.224	0.005	0	0	0	1
PD.28	PL.1005	C	40QA	7.42Y	123.7	0.00	1.29	1.84	5	13	4	96	0.00	0.0	3.224	0.005	0	0	0	1

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.1006	PD.28	C	#1/0 ACSR	7.42Y	123.7	0.00	1.29	1.84	1	13	4	96	0.00	0.0	3.265	0.041	13	4	1	1
PL.380	PL.1006	C	#1/0 ACSR	7.42Y	123.7	0.00	1.29	0.00	0	0	0	100	0.00	0.0	3.313	0.047	0	0	0	0
PL.25	PL.378	ABC	336 MCM AC	7.42Y	123.7	0.00	1.30	8.12	2	172	55	95	0.00	0.0	3.283	0.063	8	2	1	31
PL.1007	PL.25	A	#1/0 ACSR	7.42Y	123.7	0.00	1.30	3.58	2	25	8	95	0.00	0.0	3.288	0.005	0	0	0	4
PD.29	PL.1007	A	40QA	7.42Y	123.7	0.00	1.30	3.58	9	25	8	95	0.00	0.0	3.288	0.005	0	0	0	4
PL.1008	PD.29	A	#1/0 ACSR	7.42Y	123.7	0.00	1.30	3.58	2	25	8	95	0.00	0.0	3.296	0.009	0	0	0	4
PL.382	PL.1008	A	#1/0 ACSR	7.42Y	123.7	0.00	1.30	3.58	2	25	8	95	0.00	0.0	3.310	0.014	17	6	3	4
PL.381	PL.382	A	#1/0 ACSR	7.42Y	123.7	0.00	1.30	1.12	0	8	3	94	0.00	0.0	3.335	0.024	8	3	1	1
PL.24	PL.25	ABC	336 MCM AC	7.42Y	123.7	0.00	1.30	6.57	1	139	45	95	0.00	0.0	3.327	0.044	0	0	0	26
PL.1009	PL.24	A	#1/0 ACSR	7.42Y	123.7	0.00	1.30	2.43	1	17	5	96	0.00	0.0	3.332	0.005	0	0	0	4
PD.30	PL.1009	A	40QA	7.42Y	123.7	0.00	1.30	2.43	6	17	5	96	0.00	0.0	3.332	0.005	0	0	0	4
PL.1010	PD.30	A	#1/0 ACSR	7.42Y	123.7	0.00	1.30	2.43	1	17	5	96	0.00	0.0	3.342	0.010	17	5	4	4
PL.1119	PL.24	C	#1/0 ACSR	7.42Y	123.7	0.00	1.30	0.96	0	7	2	96	0.00	0.0	3.332	0.005	0	0	0	1
PD.84	PL.1119	C	40QA	7.42Y	123.7	0.00	1.30	0.96	2	7	2	96	0.00	0.0	3.332	0.005	0	0	0	1
PL.1120	PD.84	C	#1/0 ACSR	7.42Y	123.7	0.00	1.30	0.96	0	7	2	96	0.00	0.0	3.346	0.014	0	0	0	1
PL.383	PL.1120	C	#1/0 ACSR	7.42Y	123.7	0.00	1.30	0.96	0	7	2	96	0.00	0.0	3.440	0.094	7	2	1	1
PL.23	PL.24	ABC	336 MCM AC	7.42Y	123.7	0.00	1.30	5.44	1	115	37	95	0.00	0.0	3.379	0.051	0	0	0	21
PL.1181	PL.23	C	#2 ACSR	7.42Y	123.7	0.00	1.30	1.14	1	8	3	94	0.00	0.0	3.383	0.005	0	0	0	1
PD.119	PL.1181	C	40QA	7.42Y	123.7	0.00	1.30	1.14	3	8	3	94	0.00	0.0	3.383	0.005	0	0	0	1
PL.1182	PD.119	C	#2 ACSR	7.42Y	123.7	0.00	1.30	1.14	1	8	3	94	0.00	0.0	3.391	0.008	8	3	1	1
PL.22	PL.23	ABC	336 MCM AC	7.42Y	123.7	0.00	1.30	4.91	1	104	33	95	0.00	0.0	3.433	0.055	4	1	1	18
PL.21	PL.22	ABC	336 MCM AC	7.42Y	123.7	0.00	1.31	4.73	1	100	32	95	0.00	0.0	3.485	0.052	0	0	0	17
PL.1117	PL.21	C	#1/0 ACSR	7.42Y	123.7	0.00	1.31	1.95	1	14	4	96	0.00	0.0	3.490	0.005	0	0	0	2
PD.83	PL.1117	C	40QA	7.42Y	123.7	0.00	1.31	1.95	5	14	4	96	0.00	0.0	3.490	0.005	0	0	0	2
PL.1118	PD.83	C	#1/0 ACSR	7.42Y	123.7	0.00	1.31	1.95	1	14	4	96	0.00	0.0	3.500	0.010	14	4	2	2
PL.386	PL.21	ABC	336 MCM AC	7.42Y	123.7	0.00	1.31	2.68	1	57	18	95	0.00	0.0	3.592	0.107	9	3	2	10
PL.394	PL.386	ABC	336 MCM AC	7.42Y	123.7	0.00	1.31	2.27	0	48	15	95	0.00	0.0	3.705	0.113	12	4	2	8
PL.393	PL.394	ABC	336 MCM AC	7.42Y	123.7	0.00	1.31	1.72	0	37	12	95	0.00	0.0	3.746	0.041	0	0	0	6
PL.392	PL.393	ABC	336 MCM AC	7.42Y	123.7	0.00	1.31	1.72	0	37	12	95	0.00	0.0	3.800	0.054	6	2	1	6
PL.390	PL.392	ABC	336 MCM AC	7.42Y	123.7	0.00	1.31	1.43	0	30	10	95	0.00	0.0	3.876	0.076	4	1	1	5
PL.388	PL.390	ABC	336 MCM AC	7.42Y	123.7	0.00	1.31	1.22	0	26	8	96	0.00	0.0	3.958	0.082	9	3	2	4

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

Balanced Voltage Drop Report
Source: Big Creek

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.1015	PL.388	A	#1/0 ACSR	7.42Y	123.7	0.00	1.31	1.26	1	9	3	95	0.00	0.0	3.963	0.005	0	0	0	1
PD.33	PL.1015	A	15QA	7.42Y	123.7	0.00	1.31	1.26	0	9	3	95	0.00	0.0	3.963	0.005	0	0	0	1
PL.1016	PD.33	A	#1/0 ACSR	7.42Y	123.7	0.00	1.31	1.26	1	9	3	95	0.00	0.0	4.060	0.097	9	3	1	1
PL.1179	PL.388	C	#2 ACSR	7.42Y	123.7	0.00	1.31	1.17	1	8	3	94	0.00	0.0	3.963	0.005	0	0	0	1
PD.118	PL.1179	C	20T	7.42Y	123.7	0.00	1.31	1.17	0	8	3	94	0.00	0.0	3.963	0.005	0	0	0	1
PL.1180	PD.118	C	#2 ACSR	7.42Y	123.7	0.01	1.32	1.17	1	8	3	94	0.00	0.0	4.275	0.312	0	0	0	1
PL.402	PL.1180	C	#2 ACSR	7.42Y	123.7	0.01	1.33	1.17	1	8	3	94	0.00	0.0	4.609	0.334	8	3	1	1
PL.61	PL.402	C	#2 ACSR	7.42Y	123.7	0.00	1.33	0.00	0	0	0	100	0.00	0.0	4.651	0.042	0	0	0	0
PL.1268	PL.388	ABC	336 MCM AC	7.42Y	123.7	0.00	1.31	0.00	0	0	0	100	0.00	0.0	3.986	0.028	0	0	0	0
PD.147-B	PL.1268	ABC	Open	7.42Y	123.7	0.00	1.31	0.00	0	0	0	100	0.00	0.0	3.986	0.028	0	0	0	0
PL.1013	PL.21	A	#1/0 ACSR	7.42Y	123.7	0.00	1.31	4.20	2	30	9	96	0.00	0.0	3.490	0.005	0	0	0	5
PD.32	PL.1013	A	40QA	7.42Y	123.7	0.00	1.31	4.20	10	30	9	96	0.00	0.0	3.490	0.005	0	0	0	5
PL.1014	PD.32	A	#1/0 ACSR	7.42Y	123.7	0.00	1.31	4.20	2	30	9	96	0.00	0.0	3.521	0.031	0	0	0	5
PL.384	PL.1014	A	6 A (CWC)	7.42Y	123.7	0.00	1.31	4.20	3	30	9	96	0.00	0.0	3.546	0.025	30	9	5	5
PL.1011	PL.23	A	#1/0 ACSR	7.42Y	123.7	0.00	1.30	0.45	0	3	1	95	0.00	0.0	3.383	0.005	0	0	0	2
PD.31	PL.1011	A	40QA	7.42Y	123.7	0.00	1.30	0.45	1	3	1	95	0.00	0.0	3.383	0.005	0	0	0	2
PL.1012	PD.31	A	#1/0 ACSR	7.42Y	123.7	0.00	1.30	0.45	0	3	1	95	0.00	0.0	3.422	0.038	3	1	2	2
PL.999	PL.26	C	#1/0 ACSR	7.42Y	123.7	0.00	1.28	1.96	1	14	4	96	0.00	0.0	3.074	0.005	0	0	0	1
PD.26	PL.999	C	40QA	7.42Y	123.7	0.00	1.28	1.96	5	14	4	96	0.00	0.0	3.074	0.005	0	0	0	1
PL.1000	PD.26	C	#1/0 ACSR	7.42Y	123.7	0.00	1.28	1.96	1	14	4	96	0.00	0.0	3.097	0.023	14	4	1	1
PL.997	PL.27	C	#1/0 ACSR	7.42Y	123.7	0.00	1.27	2.47	1	17	6	94	0.00	0.0	2.917	0.005	0	0	0	3
PD.24	PL.997	C	40QA	7.42Y	123.7	0.00	1.27	2.47	6	17	6	94	0.00	0.0	2.917	0.005	0	0	0	3
PL.998	PD.24	C	#1/0 ACSR	7.42Y	123.7	0.00	1.27	2.47	1	17	6	94	0.00	0.0	2.939	0.022	17	6	3	3
PL.1125	PL.27	A	#1/0 ACSR	7.42Y	123.7	0.00	1.27	0.59	0	4	1	97	0.00	0.0	2.917	0.005	0	0	0	2
PD.88	PL.1125	A	40QA	7.42Y	123.7	0.00	1.27	0.59	1	4	1	97	0.00	0.0	2.917	0.005	0	0	0	2
PL.1126	PD.88	A	#1/0 ACSR	7.42Y	123.7	0.00	1.27	0.59	0	4	1	97	0.00	0.0	2.931	0.013	4	1	2	2
PL.1123	PL.371	A	#1/0 ACSR	7.42Y	123.7	0.00	1.26	0.77	0	5	2	93	0.00	0.0	2.869	0.005	0	0	0	2
PD.87	PL.1123	A	40QA	7.42Y	123.7	0.00	1.26	0.77	2	5	2	93	0.00	0.0	2.869	0.005	0	0	0	2
PL.1124	PD.87	A	#1/0 ACSR	7.42Y	123.7	0.00	1.26	0.77	0	5	2	93	0.00	0.0	2.893	0.023	5	2	2	2
PL.995	PL.371	C	#1/0 ACSR	7.42Y	123.7	0.00	1.26	0.65	0	5	1	98	0.00	0.0	2.869	0.005	0	0	0	2
PD.23	PL.995	C	40QA	7.42Y	123.7	0.00	1.26	0.65	2	5	1	98	0.00	0.0	2.869	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.996	PD.23	C	#1/0 ACSR	7.42Y	123.7	0.00	1.26	0.65	0	5	1	98	0.00	0.0	2.918	0.049	5	1	2	2
PL.989	PL.367	A	#1/0 ACSR	7.43Y	123.8	0.00	1.24	1.69	1	12	4	95	0.00	0.0	2.699	0.004	0	0	0	3
PD.20	PL.989	A	10T	7.43Y	123.8	0.00	1.24	1.69	0	12	4	95	0.00	0.0	2.699	0.004	0	0	0	3
PL.990	PD.20	A	#1/0 ACSR	7.43Y	123.8	0.00	1.24	1.69	1	12	4	95	0.00	0.0	2.788	0.089	12	4	3	3
PL.987	PL.363	A	#1/0 ACSR	7.43Y	123.8	0.00	1.21	0.42	0	3	1	95	0.00	0.0	2.540	0.005	0	0	0	1
PD.19	PL.987	A	10T	7.43Y	123.8	0.00	1.21	0.42	0	3	1	95	0.00	0.0	2.540	0.005	0	0	0	1
PL.988	PD.19	A	#1/0 ACSR	7.43Y	123.8	0.00	1.22	0.42	0	3	1	95	0.00	0.0	2.572	0.032	3	1	1	1
PL.1041	PL.35	A	#2 ACSR	7.43Y	123.8	0.00	1.19	1.75	1	12	4	95	0.00	0.0	2.370	0.005	0	0	0	3
PD.45	PL.1041	A	40QA	7.43Y	123.8	0.00	1.19	1.75	4	12	4	95	0.00	0.0	2.370	0.005	0	0	0	3
PL.1042	PD.45	A	#2 ACSR	7.43Y	123.8	0.00	1.19	1.75	1	12	4	95	0.00	0.0	2.396	0.025	12	4	3	3
PL.981	PL.334	C	#1/0 ACSR	7.43Y	123.8	0.00	1.17	2.59	1	18	6	95	0.00	0.0	2.268	0.005	0	0	0	5
PD.16	PL.981	C	40QA	7.43Y	123.8	0.00	1.17	2.59	6	18	6	95	0.00	0.0	2.268	0.005	0	0	0	5
PL.982	PD.16	C	#1/0 ACSR	7.43Y	123.8	0.00	1.17	2.59	1	18	6	95	0.00	0.0	2.296	0.028	18	6	3	5
PL.336	PL.982	C	#1/0 ACSR	7.43Y	123.8	0.00	1.17	0.01	0	0	0	100	0.00	0.0	2.328	0.032	0	0	2	2
PL.979	PL.331	A	#1/0 ACSR	7.43Y	123.9	0.00	1.14	1.08	0	8	2	97	0.00	0.0	2.160	0.005	0	0	0	2
PD.15	PL.979	A	40QA	7.43Y	123.9	0.00	1.14	1.08	3	8	2	97	0.00	0.0	2.160	0.005	0	0	0	2
PL.980	PD.15	A	#1/0 ACSR	7.43Y	123.9	0.00	1.14	1.08	0	8	2	97	0.00	0.0	2.187	0.026	8	2	2	2
PL.7249	PL.903	C	#2 ACSR	7.43Y	123.9	0.00	1.12	1.82	1	13	4	96	0.00	0.0	2.056	0.002	0	0	0	1
PD.1567	PL.7249	C	12T	7.43Y	123.9	0.00	1.12	1.82	0	13	4	96	0.00	0.0	2.056	0.002	0	0	0	1
PL.7250	PD.1567	C	#2 ACSR	7.43Y	123.9	0.00	1.12	1.82	1	13	4	96	0.00	0.0	2.072	0.016	13	4	1	1
PL.975	PL.1189	A	#1/0 ACSR	7.43Y	123.9	0.00	1.09	0.00	0	0	0	100	0.00	0.0	1.966	0.005	0	0	0	4
PD.13	PL.975	A	40QA	7.43Y	123.9	0.00	1.09	0.00	0	0	0	100	0.00	0.0	1.966	0.005	0	0	0	4
PL.976	PD.13	A	#1/0 ACSR	7.43Y	123.9	0.00	1.09	0.00	0	0	0	100	0.00	0.0	1.987	0.022	0	0	4	4
PL.967	PL.901	A	#1/0 ACSR	7.44Y	124.0	0.00	0.98	0.84	0	6	2	95	0.00	0.0	1.630	0.003	0	0	0	2
PD.9	PL.967	A	40QA	7.44Y	124.0	0.00	0.98	0.84	2	6	2	95	0.00	0.0	1.630	0.003	0	0	0	2
PL.968	PD.9	A	#1/0 ACSR	7.44Y	124.0	0.00	0.98	0.84	0	6	2	95	0.00	0.0	1.633	0.003	6	2	2	2
PL.12	PL.11	C	#1/0 ACSR	7.44Y	124.1	0.00	0.93	1.13	0	8	3	94	0.00	0.0	1.505	0.030	8	3	1	2
PL.1275	PL.12	C	#1/0 ACSR	7.44Y	124.1	0.00	0.93	0.00	0	0	0	100	0.00	0.0	1.543	0.038	0	0	1	1
PL.1193	PL.10	C	#1/0 ACSR	7.45Y	124.1	0.00	0.91	0.16	0	1	0	100	0.00	0.0	1.439	0.005	0	0	0	1
PD.125	PL.1193	C	40QA	7.45Y	124.1	0.00	0.91	0.16	0	1	0	100	0.00	0.0	1.439	0.005	0	0	0	1
PL.1194	PD.125	C	#1/0 ACSR	7.45Y	124.1	0.00	0.91	0.16	0	1	0	100	0.00	0.0	1.479	0.040	1	0	1	1

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Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru

PL.957	PL.302	C	#1/0 ACSR	7.46Y	124.3	0.00	0.72	1.29	1	9	3	95	0.00	0.0	0.976	0.005	0	0	0	1
PD.4	PL.957	C	40QA	7.46Y	124.3	0.00	0.72	1.29	3	9	3	95	0.00	0.0	0.976	0.005	0	0	0	1
PL.958	PD.4	C	#1/0 ACSR	7.46Y	124.3	0.00	0.73	1.29	1	9	3	95	0.00	0.0	0.984	0.008	0	0	0	1
PL.42	PL.958	C	6 A (CWC)	7.46Y	124.3	0.00	0.73	1.29	1	9	3	95	0.00	0.0	1.011	0.028	9	3	1	1
PL.43	PL.314	ABC	336 MCM AC	7.46Y	124.3	0.02	0.70	42.76	8	909	299	95	0.07	0.0	0.923	0.049	34	11	2	271
PL.955	PL.43	C	#1/0 ACSR	7.46Y	124.3	0.00	0.70	0.36	0	3	1	95	0.00	0.0	0.927	0.004	0	0	0	2
PD.3	PL.955	C	40QA	7.46Y	124.3	0.00	0.70	0.36	1	3	1	95	0.00	0.0	0.927	0.004	0	0	0	2
PL.956	PD.3	C	#1/0 ACSR	7.46Y	124.3	0.00	0.70	0.36	0	3	1	95	0.00	0.0	0.949	0.022	3	1	2	2
PL.44	PL.43	ABC	#1/0 ACSR	7.45Y	124.2	0.11	0.81	41.03	18	872	287	95	0.64	0.1	1.066	0.144	7	2	1	267
PL.104	PL.44	ABC	#1/0 ACSR	7.45Y	124.1	0.04	0.85	40.71	18	864	285	95	0.25	0.0	1.122	0.056	0	0	0	266
PL.1381	PL.104	ABC	#1/0 ACSR	7.45Y	124.1	0.00	0.85	40.71	18	864	284	95	0.01	0.0	1.125	0.003	0	0	0	266
C PD.198	PL.1381	ABC	50H	7.45Y	124.1	0.00	0.85	40.71	81	864	284	95	0.00	0.0	1.125	0.003	0	0	0	266 C
PL.1382	PD.198	ABC	#1/0 ACSR	7.45Y	124.1	0.01	0.87	40.71	18	864	284	95	0.09	0.0	1.146	0.020	19	6	4	266
PL.582	PL.1382	ABC	#1/0 ACSR	7.44Y	124.0	0.10	0.97	39.81	17	845	278	95	0.56	0.1	1.277	0.131	0	0	0	262
PL.580	PL.582	ABC	#1/0 ACSR	7.44Y	124.0	0.04	1.01	39.14	17	830	273	95	0.25	0.0	1.340	0.063	23	7	5	259
PL.581	PL.580	ABC	#1/0 ACSR	7.44Y	123.9	0.07	1.08	38.07	17	807	265	95	0.37	0.0	1.435	0.096	7	2	1	254
PL.1047	PL.581	C	8 A (CWC)	7.44Y	123.9	0.00	1.08	3.47	3	25	8	95	0.00	0.0	1.440	0.005	0	0	0	4
PD.48	PL.1047	C	12T	7.44Y	123.9	0.00	1.08	3.47	0	25	8	95	0.00	0.0	1.440	0.005	0	0	0	4
PL.1048	PD.48	C	8 A (CWC)	7.43Y	123.9	0.01	1.09	3.47	3	25	8	95	0.00	0.0	1.508	0.068	25	8	4	4
PL.261	PL.581	ABC	#1/0 ACSR	7.43Y	123.9	0.06	1.14	36.61	16	776	255	95	0.33	0.0	1.528	0.093	0	0	0	249
PL.262	PL.261	ABC	#1/0 ACSR	7.43Y	123.8	0.05	1.19	36.41	16	771	254	95	0.24	0.0	1.596	0.068	0	0	0	248
PL.1089	PL.262	C	6 A (CWC)	7.43Y	123.8	0.00	1.19	0.15	0	1	0	100	0.00	0.0	1.600	0.005	0	0	0	1
PD.70	PL.1089	C	40QA	7.43Y	123.8	0.00	1.19	0.15	0	1	0	100	0.00	0.0	1.600	0.005	0	0	0	1
PL.1090	PD.70	C	6 A (CWC)	7.43Y	123.8	0.00	1.19	0.15	0	1	0	100	0.00	0.0	1.663	0.063	1	0	1	1
PL.782	PL.262	ABC	#1/0 ACSR	7.43Y	123.8	0.06	1.25	36.10	16	764	251	95	0.31	0.0	1.685	0.089	5	2	2	246
PL.106	PL.782	ABC	#1/0 ACSR	7.42Y	123.7	0.03	1.28	35.85	16	759	249	95	0.17	0.0	1.734	0.049	3	1	1	244
PL.265	PL.106	ABC	#1/0 ACSR	7.42Y	123.7	0.02	1.30	35.70	16	755	248	95	0.13	0.0	1.771	0.037	0	0	0	243
PL.780	PL.265	ABC	#1/0 ACSR	7.42Y	123.6	0.06	1.36	35.32	15	747	245	95	0.31	0.0	1.864	0.093	0	0	0	242
PL.107	PL.780	ABC	#1/0 ACSR	7.42Y	123.6	0.05	1.41	35.32	15	747	245	95	0.23	0.0	1.934	0.070	3	1	1	242
PL.778	PL.107	ABC	#1/0 ACSR	7.41Y	123.5	0.09	1.50	35.20	15	744	244	95	0.46	0.1	2.074	0.140	0	0	0	241
PL.267	PL.778	ABC	#1/0 ACSR	7.41Y	123.4	0.07	1.56	30.64	13	647	213	95	0.29	0.0	2.190	0.116	0	0	0	223

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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.775	PL.267	ABC	#1/0 ACSR	7.40Y	123.4	0.08	1.65	30.50	13	644	211	95	0.37	0.1	2.338	0.148	0	0	0	221
PL.110	PL.775	ABC	#1/0 ACSR	7.39Y	123.2	0.16	1.81	30.50	13	644	211	95	0.71	0.1	2.626	0.288	0	0	0	221
PL.114	PL.110	ABC	#1/0 ACSR	7.38Y	123.0	0.17	1.98	25.13	11	529	174	95	0.61	0.1	2.987	0.361	0	0	0	188
PL.645	PL.114	ABC	#1/0 ACSR	7.37Y	122.8	0.24	2.22	25.10	11	528	173	95	0.87	0.2	3.502	0.515	0	0	0	186
PL.647	PL.645	ABC	#1/0 ACSR	7.35Y	122.6	0.21	2.42	25.10	11	527	172	95	0.74	0.1	3.946	0.444	1	0	3	186
PL.928	PL.647	ABC	#1/0 ACSR	7.33Y	122.2	0.37	2.80	25.04	11	525	171	95	1.35	0.3	4.756	0.810	0	0	0	183
PL.627	PL.928	ABC	#1/0 ACSR	7.33Y	122.1	0.07	2.86	25.04	11	524	170	95	0.24	0.0	4.899	0.143	4	1	1	183
PL.630	PL.627	ABC	#1/0 ACSR	7.32Y	121.9	0.20	3.06	24.86	11	520	168	95	0.71	0.1	5.329	0.430	0	0	0	182
PL.747	PL.630	ABC	#1/0 ACSR	7.31Y	121.9	0.04	3.10	24.57	11	513	166	95	0.15	0.0	5.421	0.091	0	0	0	181
PL.748	PL.747	ABC	#1/0 ACSR	7.31Y	121.9	0.04	3.14	24.57	11	513	166	95	0.14	0.0	5.507	0.087	0	0	0	181
PL.275	PL.748	ABC	#1/0 ACSR	7.31Y	121.8	0.04	3.18	22.37	10	467	151	95	0.12	0.0	5.594	0.086	0	0	0	168
PL.1077	PL.275	C	6 A (CWC)	7.31Y	121.8	0.00	3.18	0.22	0	2	0	100	0.00	0.0	5.598	0.005	0	0	0	1
PD.64	PL.1077	C	40QA	7.31Y	121.8	0.00	3.18	0.22	1	2	0	100	0.00	0.0	5.598	0.005	0	0	0	1
PL.1078	PD.64	C	6 A (CWC)	7.31Y	121.8	0.00	3.18	0.22	0	2	0	100	0.00	0.0	5.671	0.073	0	0	0	1
PL.168	PL.1078	C	#1/0 ACSR	7.31Y	121.8	0.00	3.18	0.22	0	2	0	100	0.00	0.0	5.703	0.032	2	0	1	1
PL.276	PL.275	ABC	#1/0 ACSR	7.31Y	121.8	0.07	3.24	22.30	10	465	150	95	0.22	0.0	5.762	0.168	3	1	2	167
PL.170	PL.276	ABC	#1/0 ACSR	7.30Y	121.7	0.02	3.27	22.13	10	462	149	95	0.07	0.0	5.819	0.056	3	1	1	165
PL.708	PL.170	ABC	#1/0 ACSR	7.30Y	121.7	0.03	3.30	21.01	9	438	141	95	0.11	0.0	5.908	0.090	2	1	1	158
PL.174	PL.708	ABC	#1/0 ACSR	7.30Y	121.7	0.02	3.33	20.93	9	436	141	95	0.07	0.0	5.971	0.063	4	1	2	157
PL.277	PL.174	ABC	#1/0 ACSR	7.30Y	121.6	0.02	3.35	20.73	9	432	139	95	0.07	0.0	6.036	0.065	6	2	1	155
PL.278	PL.277	ABC	#1/0 ACSR	7.30Y	121.6	0.03	3.39	20.08	9	418	135	95	0.10	0.0	6.128	0.092	1	0	1	151
PL.721	PL.278	ABC	#1/0 ACSR	7.29Y	121.6	0.05	3.43	19.54	8	407	131	95	0.13	0.0	6.260	0.132	7	2	3	148
PL.175	PL.721	ABC	#1/0 ACSR	7.29Y	121.5	0.02	3.46	19.21	8	400	129	95	0.06	0.0	6.327	0.067	9	3	1	145
PL.719	PL.175	ABC	#1/0 ACSR	7.29Y	121.5	0.04	3.50	18.76	8	391	126	95	0.11	0.0	6.448	0.121	0	0	0	144
PL.281	PL.719	ABC	#1/0 ACSR	7.29Y	121.5	0.04	3.54	18.69	8	389	125	95	0.11	0.0	6.569	0.121	8	3	3	143
PL.178	PL.281	ABC	#1/0 ACSR	7.29Y	121.4	0.03	3.56	18.29	8	381	123	95	0.07	0.0	6.644	0.075	0	0	0	140
PL.179	PL.178	ABC	#1/0 ACSR	7.28Y	121.3	0.16	3.72	17.25	8	359	116	95	0.39	0.1	7.139	0.494	0	0	0	131
PL.705	PL.179	ABC	#1/0 ACSR	7.27Y	121.2	0.05	3.77	13.31	6	277	89	95	0.09	0.0	7.329	0.191	0	0	1	95
PL.190	PL.705	ABC	#1/0 ACSR	7.27Y	121.2	0.02	3.79	13.31	6	276	89	95	0.03	0.0	7.402	0.072	0	0	0	94
PL.1065	PL.190	A	#2 ACSR	7.27Y	121.2	0.00	3.79	0.44	0	3	1	95	0.00	0.0	7.406	0.005	0	0	0	1
PD.57	PL.1065	A	40QA	7.27Y	121.2	0.00	3.79	0.44	1	3	1	95	0.00	0.0	7.406	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: Big Creek

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.1066	PD.57	A	#2 ACSR	7.27Y	121.2	0.00	3.79	0.44	0	3	1	95	0.00	0.0	7.574	0.168	3	1	1	1
PL.191	PL.190	ABC	#1/0 ACSR	7.27Y	121.2	0.01	3.80	13.16	6	273	88	95	0.02	0.0	7.445	0.043	3	1	1	93
PL.702	PL.191	ABC	#1/0 ACSR	7.27Y	121.2	0.04	3.83	13.03	6	271	87	95	0.07	0.0	7.604	0.158	0	0	0	92
PL.1067	PL.702	A	#1/0 ACSR	7.27Y	121.2	0.00	3.83	0.22	0	2	0	100	0.00	0.0	7.608	0.005	0	0	0	1
PD.58	PL.1067	A	40QA	7.27Y	121.2	0.00	3.83	0.22	1	2	0	100	0.00	0.0	7.608	0.005	0	0	0	1
PL.1068	PD.58	A	#1/0 ACSR	7.27Y	121.2	0.00	3.83	0.22	0	2	0	100	0.00	0.0	7.637	0.028	0	0	0	1
PL.701	PL.1068	A	#1/0 ACSR	7.27Y	121.2	0.00	3.83	0.22	0	2	0	100	0.00	0.0	7.661	0.024	2	0	1	1
PL.205	PL.702	ABC	#1/0 ACSR	7.27Y	121.1	0.06	3.89	12.96	6	269	86	95	0.11	0.0	7.842	0.239	1	0	1	91
PL.10170	PL.205	ABC	#1/0 ACSR	7.27Y	121.1	0.02	3.91	12.77	6	265	85	95	0.03	0.0	7.907	0.064	1	0	1	88
PL.10171	PL.10170	ABC	#1/0 ACSR	7.26Y	121.1	0.03	3.93	12.71	6	264	85	95	0.05	0.0	8.016	0.109	2	1	1	87
PL.1051	PL.10171	A	#1/0 ACSR	7.26Y	121.1	0.00	3.93	0.00	0	0	0	100	0.00	0.0	8.020	0.005	0	0	0	0
PD.50	PL.1051	A	40QA	7.26Y	121.1	0.00	3.93	0.00	0	0	0	100	0.00	0.0	8.020	0.005	0	0	0	0
PL.1052	PD.50	A	#1/0 ACSR	7.26Y	121.1	0.00	3.93	0.00	0	0	0	100	0.00	0.0	8.120	0.099	0	0	0	0
PL.207	PL.10171	ABC	#1/0 ACSR	7.26Y	121.0	0.02	3.96	12.60	5	261	84	95	0.04	0.0	8.123	0.107	5	2	1	86
PL.208	PL.207	ABC	#1/0 ACSR	7.26Y	121.0	0.01	3.96	12.36	5	256	82	95	0.01	0.0	8.145	0.022	3	1	1	85
PL.210	PL.208	ABC	#1/0 ACSR	7.26Y	121.0	0.03	4.00	10.16	4	211	68	95	0.05	0.0	8.332	0.187	0	0	0	68
PL.1059	PL.210	A	#1/0 ACSR	7.26Y	121.0	0.00	4.00	0.04	0	0	0	100	0.00	0.0	8.336	0.004	0	0	0	1
PD.54	PL.1059	A	40QA	7.26Y	121.0	0.00	4.00	0.04	0	0	0	100	0.00	0.0	8.336	0.004	0	0	0	1
PL.1060	PD.54	A	#1/0 ACSR	7.26Y	121.0	0.00	4.00	0.04	0	0	0	100	0.00	0.0	8.385	0.049	0	0	0	1
PL.672	PL.1060	A	#1/0 ACSR	7.26Y	121.0	0.00	4.00	0.04	0	0	0	100	0.00	0.0	8.468	0.083	0	0	1	1
PL.670	PL.210	ABC	#1/0 ACSR	7.26Y	121.0	0.02	4.02	10.14	4	210	67	95	0.03	0.0	8.438	0.106	0	0	1	67
PL.671	PL.670	ABC	#1/0 ACSR	7.26Y	121.0	0.01	4.03	10.13	4	210	67	95	0.02	0.0	8.497	0.059	0	0	0	66
PL.1057	PL.671	A	6 A (CWC)	7.26Y	121.0	0.00	4.03	0.06	0	0	0	100	0.00	0.0	8.502	0.004	0	0	0	1
PD.53	PL.1057	A	40QA	7.26Y	121.0	0.00	4.03	0.06	0	0	0	100	0.00	0.0	8.502	0.004	0	0	0	1
PL.1058	PD.53	A	6 A (CWC)	7.26Y	121.0	0.00	4.03	0.06	0	0	0	100	0.00	0.0	8.584	0.082	0	0	0	1
PL.211	PL.1058	A	6 A (CWC)	7.26Y	121.0	0.00	4.03	0.06	0	0	0	100	0.00	0.0	8.651	0.067	0	0	1	1
PL.668	PL.671	ABC	#1/0 ACSR	7.26Y	120.9	0.03	4.06	10.12	4	210	67	95	0.04	0.0	8.648	0.151	0	0	0	65
PL.929	PL.668	ABC	#1/0 ACSR	7.26Y	120.9	0.01	4.07	10.09	4	209	67	95	0.02	0.0	8.728	0.079	3	1	2	64
PL.1387	PL.929	ABC	#1/0 ACSR	7.26Y	120.9	0.00	4.07	9.93	4	206	66	95	0.00	0.0	8.731	0.003	0	0	0	62
PD.203-A	PL.1387	ABC	Closed	7.26Y	120.9	0.00	4.07	9.93	0	206	66	95	0.00	0.0	8.731	0.003	0	0	0	62
PD.203-B	PD.203-A	ABC	Closed	7.26Y	120.9	0.00	4.07	9.93	0	206	66	95	0.00	0.0	8.731	0.003	0	0	0	62

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Balanced Voltage Drop Report
Source: Big Creek

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.3383	PD.203-B	ABC	#1/0 ACSR	7.26Y	120.9	0.00	4.07	9.93	4	206	66	95	0.00	0.0	8.739	0.008	7	2	2	62
PL.3382	PL.3383	ABC	#1/0 ACSR	7.26Y	120.9	0.01	4.08	9.59	4	199	64	95	0.01	0.0	8.775	0.036	0	0	0	60
PL.2789	PL.3382	A	6 A (CWC)	7.25Y	120.9	0.03	4.11	4.35	3	30	10	95	0.01	0.0	8.926	0.151	2	1	2	12
PL.3599	PL.2789	A	6 A (CWC)	7.25Y	120.9	0.00	4.11	4.07	3	28	9	95	0.00	0.0	8.928	0.003	0	0	0	10
PD.434	PL.3599	A	35H	7.25Y	120.9	0.00	4.11	4.07	12	28	9	95	0.00	0.0	8.928	0.003	0	0	0	10
PL.3600	PD.434	A	6 A (CWC)	7.25Y	120.9	0.02	4.12	4.07	3	28	9	95	0.00	0.0	9.013	0.085	0	0	0	10
PL.2814	PL.3600	A	6 A (CWC)	7.25Y	120.8	0.05	4.17	4.07	3	28	9	95	0.01	0.0	9.259	0.246	0	0	0	10
PL.2979	PL.2814	A	6 A (CWC)	7.25Y	120.8	0.03	4.20	4.07	3	28	9	95	0.01	0.0	9.413	0.155	0	0	0	10
PL.3061	PL.2979	A	6 A (CWC)	7.25Y	120.8	0.02	4.22	4.07	3	28	9	95	0.00	0.0	9.522	0.108	0	0	0	10
PL.2980	PL.3061	A	6 A (CWC)	7.25Y	120.8	0.03	4.25	4.07	3	28	9	95	0.01	0.0	9.674	0.152	0	0	0	10
PL.2981	PL.2980	A	6 A (CWC)	7.24Y	120.7	0.02	4.27	4.07	3	28	9	95	0.00	0.0	9.761	0.087	0	0	0	10
PL.2982	PL.2981	A	6 A (CWC)	7.24Y	120.7	0.02	4.28	4.07	3	28	9	95	0.00	0.0	9.865	0.104	0	0	0	10
PL.2983	PL.2982	A	6 A (CWC)	7.24Y	120.7	0.02	4.31	4.07	3	28	9	95	0.00	0.0	9.978	0.113	0	0	0	10
PL.2984	PL.2983	A	6 A (CWC)	7.24Y	120.7	0.03	4.33	4.07	3	28	9	95	0.01	0.0	10.120	0.143	0	0	0	10
PL.3384	PL.2984	A	6 A (CWC)	7.24Y	120.7	0.01	4.35	4.07	3	28	9	95	0.00	0.0	10.194	0.074	0	0	0	10
PL.3385	PL.3384	A	6 A (CWC)	7.24Y	120.6	0.01	4.36	4.07	3	28	9	95	0.00	0.0	10.253	0.058	0	0	0	10
PL.3367	PL.3385	A	6 A (CWC)	7.24Y	120.6	0.00	4.36	1.15	1	8	3	94	0.00	0.0	10.356	0.104	3	1	1	5
PL.3368	PL.3367	A	6 A (CWC)	7.24Y	120.6	0.00	4.36	0.79	1	5	2	93	0.00	0.0	10.416	0.059	1	0	1	4
PL.3369	PL.3368	A	6 A (CWC)	7.24Y	120.6	0.00	4.37	0.58	0	4	1	97	0.00	0.0	10.452	0.037	0	0	1	3
PL.3370	PL.3369	A	6 A (CWC)	7.24Y	120.6	0.00	4.37	0.56	0	4	1	97	0.00	0.0	10.564	0.111	4	1	1	2
PL.3371	PL.3370	A	6 A (CWC)	7.24Y	120.6	0.00	4.37	0.01	0	0	0	100	0.00	0.0	10.702	0.138	0	0	1	1
PL.2842	PL.3385	A	6 A (CWC)	7.24Y	120.6	0.01	4.36	2.92	2	20	6	96	0.00	0.0	10.301	0.048	0	0	0	5
PL.2790	PL.2842	A	#4 ACSR	7.24Y	120.6	0.00	4.37	2.87	2	20	6	96	0.00	0.0	10.334	0.033	20	6	4	4
PL.2791	PL.2842	A	6 A (CWC)	7.24Y	120.6	0.00	4.36	0.06	0	0	0	100	0.00	0.0	10.467	0.166	0	0	1	1
PL.3045	PL.2791	A	6 A (CWC)	7.24Y	120.6	0.00	4.36	0.00	0	0	0	100	0.00	0.0	10.553	0.085	0	0	0	0
PL.2792	PL.3045	A	6 A (CWC)	7.24Y	120.6	0.00	4.36	0.00	0	0	0	100	0.00	0.0	10.707	0.155	0	0	0	0
PL.2985	PL.2792	A	6 A (CWC)	7.24Y	120.6	0.00	4.36	0.00	0	0	0	100	0.00	0.0	10.802	0.094	0	0	0	0
PL.2986	PL.2985	A	6 A (CWC)	7.24Y	120.6	0.00	4.36	0.00	0	0	0	100	0.00	0.0	10.908	0.106	0	0	0	0
PL.3062	PL.2986	A	6 A (CWC)	7.24Y	120.6	0.00	4.36	0.00	0	0	0	100	0.00	0.0	11.010	0.102	0	0	0	0
PL.2987	PL.3062	A	6 A (CWC)	7.24Y	120.6	0.00	4.36	0.00	0	0	0	100	0.00	0.0	11.102	0.091	0	0	0	0
PL.3063	PL.2987	A	6 A (CWC)	7.24Y	120.6	0.00	4.36	0.00	0	0	0	100	0.00	0.0	11.235	0.133	0	0	0	0

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Balanced Voltage Drop Report
Source: Big Creek

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.2988	PL.3063	A	6 A (CWC)	7.24Y	120.6	0.00	4.36	0.00	0	0	0	100	0.00	0.0	11.309	0.075	0	0	0	0
PL.2788	PL.3382	ABC	#1/0 ACSR	7.25Y	120.9	0.02	4.09	8.14	4	169	54	95	0.02	0.0	8.885	0.110	4	1	1	48
PL.2787	PL.2788	C	#2 ACSR	7.25Y	120.9	0.00	4.09	0.34	0	2	1	89	0.00	0.0	8.941	0.055	2	1	1	1
PL.2786	PL.2788	ABC	#1/0 ACSR	7.25Y	120.9	0.01	4.10	7.83	3	162	52	95	0.01	0.0	8.934	0.049	0	0	0	46
PL.2785	PL.2786	ABC	#1/0 ACSR	7.25Y	120.9	0.01	4.11	7.83	3	162	52	95	0.01	0.0	8.998	0.064	13	4	2	46
PL.3560	PL.2785	A	#2 ACSR	7.25Y	120.9	0.00	4.11	0.24	0	2	1	89	0.00	0.0	9.003	0.005	0	0	0	1
PD.415	PL.3560	A	40QA	7.25Y	120.9	0.00	4.11	0.24	1	2	1	89	0.00	0.0	9.003	0.005	0	0	0	1
PL.3561	PD.415	A	#2 ACSR	7.25Y	120.9	0.00	4.11	0.24	0	2	1	89	0.00	0.0	9.098	0.095	2	1	1	1
PL.3584	PL.2785	C	#1/0 ACSR	7.25Y	120.9	0.00	4.11	1.38	1	10	3	96	0.00	0.0	9.003	0.005	0	0	0	3
PD.427	PL.3584	C	40QA	7.25Y	120.9	0.00	4.11	1.38	3	10	3	96	0.00	0.0	9.003	0.005	0	0	0	3
PL.3585	PD.427	C	#1/0 ACSR	7.25Y	120.9	0.00	4.11	1.38	1	10	3	96	0.00	0.0	9.048	0.045	10	3	3	3
PL.2782	PL.2785	ABC	#1/0 ACSR	7.25Y	120.9	0.01	4.12	6.68	3	138	44	95	0.01	0.0	9.085	0.086	0	0	0	40
PL.64940	PL.2782	C	8 A (CWC)	7.25Y	120.9	0.00	4.12	1.50	1	10	3	96	0.00	0.0	9.091	0.006	0	0	0	2
PL.64941	PL.64940	C	8 A (CWC)	7.25Y	120.9	0.00	4.12	1.50	1	10	3	96	0.00	0.0	9.123	0.033	6	2	1	2
PL.3380	PL.64941	C	8 A (CWC)	7.25Y	120.9	0.00	4.12	0.58	1	4	1	97	0.00	0.0	9.133	0.010	0	0	0	1
PL.2784	PL.3380	C	8 A (CWC)	7.25Y	120.9	0.00	4.13	0.58	1	4	1	97	0.00	0.0	9.182	0.049	4	1	1	1
PL.2783	PL.2782	ABC	#1/0 ACSR	7.25Y	120.9	0.00	4.12	6.18	3	128	41	95	0.00	0.0	9.091	0.006	0	0	0	38
PL.65726	PL.2783	ABC	#1/0 ACSR	7.25Y	120.9	0.00	4.12	6.18	3	128	41	95	0.00	0.0	9.092	0.001	0	0	0	38
PD.9577	PL.65726	ABC	35L	7.25Y	120.9	0.00	4.12	6.18	18	128	41	95	0.00	0.0	9.092	0.001	0	0	0	38
PL.65725	PD.9577	ABC	#1/0 ACSR	7.25Y	120.9	0.01	4.13	6.18	3	128	41	95	0.01	0.0	9.189	0.097	3	1	1	38
PL.2779	PL.65725	ABC	#1/0 ACSR	7.25Y	120.9	0.02	4.15	6.04	3	125	40	95	0.01	0.0	9.325	0.136	0	0	0	37
PL.3586	PL.2779	A	6 A (CWC)	7.25Y	120.9	0.00	4.15	0.29	0	2	1	89	0.00	0.0	9.330	0.005	0	0	0	1
PD.428	PL.3586	A	40QA	7.25Y	120.9	0.00	4.15	0.29	1	2	1	89	0.00	0.0	9.330	0.005	0	0	0	1
PL.3587	PD.428	A	6 A (CWC)	7.25Y	120.9	0.00	4.15	0.29	0	2	1	89	0.00	0.0	9.364	0.034	2	1	1	1
PL.3589	PL.2779	ABC	#1/0 ACSR	7.25Y	120.9	0.00	4.15	5.94	3	123	39	95	0.00	0.0	9.330	0.005	0	0	0	36
PL.3588	PL.3589	ABC	#1/0 ACSR	7.25Y	120.8	0.01	4.16	5.94	3	123	39	95	0.01	0.0	9.440	0.110	0	0	0	36
PL.3381	PL.3588	C	6 A (CWC)	7.25Y	120.8	0.00	4.16	0.89	1	6	2	95	0.00	0.0	9.507	0.067	5	2	3	6
PL.3582	PL.3381	C	6 A (CWC)	7.25Y	120.8	0.00	4.16	0.14	0	1	0	100	0.00	0.0	9.511	0.005	0	0	0	3
PD.426	PL.3582	C	40QA	7.25Y	120.8	0.00	4.16	0.14	0	1	0	100	0.00	0.0	9.511	0.005	0	0	0	3
PL.3583	PD.426	C	6 A (CWC)	7.25Y	120.8	0.00	4.16	0.14	0	1	0	100	0.00	0.0	9.569	0.058	1	0	2	3
PL.2780	PL.3583	C	6 A (CWC)	7.25Y	120.8	0.00	4.16	0.04	0	0	0	100	0.00	0.0	9.684	0.115	0	0	0	1

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Balanced Voltage Drop Report
Source: Big Creek

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.2815	PL.2780	C	6 A (CWC)	7.25Y	120.8	0.00	4.16	0.04	0	0	0	100	0.00	0.0	9.769	0.085	0	0	1	1
PL.2978	PL.3588	ABC	#1/0 ACSR	7.25Y	120.8	0.01	4.17	5.65	2	117	37	95	0.01	0.0	9.503	0.064	0	0	0	30
PL.2841	PL.2978	ABC	#1/0 ACSR	7.25Y	120.8	0.01	4.18	5.65	2	117	37	95	0.01	0.0	9.636	0.133	0	0	0	30
PL.2977	PL.2841	ABC	#1/0 ACSR	7.25Y	120.8	0.01	4.19	5.63	2	117	37	95	0.01	0.0	9.724	0.088	0	0	0	29
PL.2976	PL.2977	ABC	#1/0 ACSR	7.25Y	120.8	0.01	4.20	5.63	2	117	37	95	0.01	0.0	9.866	0.143	0	0	0	29
PL.3375	PL.2976	ABC	#1/0 ACSR	7.25Y	120.8	0.02	4.22	5.63	2	117	37	95	0.01	0.0	10.016	0.150	0	0	1	29
PL.3374	PL.3375	ABC	#1/0 ACSR	7.25Y	120.8	0.01	4.23	5.63	2	117	37	95	0.01	0.0	10.087	0.071	0	0	0	28
PL.3093	PL.3374	ABC	#1/0 ACSR	7.25Y	120.8	0.01	4.24	5.35	2	111	35	95	0.01	0.0	10.183	0.097	0	0	0	26
PL.3376	PL.3093	ABC	#1/0 ACSR	7.25Y	120.8	0.01	4.25	5.18	2	107	34	95	0.01	0.0	10.286	0.103	6	2	1	25
PL.3378	PL.3376	ABC	#1/0 ACSR	7.24Y	120.7	0.01	4.25	4.88	2	101	32	95	0.00	0.0	10.364	0.078	0	0	1	24
PL.3377	PL.3378	ABC	#1/0 ACSR	7.24Y	120.7	0.01	4.26	4.87	2	101	32	95	0.01	0.0	10.454	0.090	0	0	0	23
PL.2775	PL.3377	ABC	#1/0 ACSR	7.24Y	120.7	0.01	4.27	4.87	2	101	32	95	0.01	0.0	10.563	0.108	0	0	0	23
PL.2840	PL.2775	ABC	#1/0 ACSR	7.24Y	120.7	0.01	4.28	4.87	2	101	32	95	0.00	0.0	10.636	0.073	0	0	0	23
PL.3556	PL.2840	C	6 A (CWC)	7.24Y	120.7	0.00	4.28	7.09	5	49	16	95	0.00	0.0	10.641	0.005	0	0	0	12
PD.413	PL.3556	C	40QA	7.24Y	120.7	0.00	4.28	7.09	18	49	16	95	0.00	0.0	10.641	0.005	0	0	0	12
PL.3557	PD.413	C	6 A (CWC)	7.24Y	120.7	0.01	4.29	7.09	5	49	16	95	0.00	0.0	10.669	0.029	11	4	3	12
PL.3364	PL.3557	C	6 A (CWC)	7.24Y	120.7	0.01	4.30	5.43	4	37	12	95	0.00	0.0	10.722	0.052	13	4	3	9
PL.3365	PL.3364	C	6 A (CWC)	7.24Y	120.7	0.01	4.30	3.57	3	25	8	95	0.00	0.0	10.771	0.049	14	4	2	6
PL.3366	PL.3365	C	6 A (CWC)	7.24Y	120.7	0.00	4.31	1.55	1	11	3	96	0.00	0.0	10.834	0.063	10	3	3	4
PL.2777	PL.3366	C	#4 ACSR	7.24Y	120.7	0.00	4.31	0.11	0	1	0	100	0.00	0.0	10.882	0.048	0	0	0	1
PL.2776	PL.2777	C	#4 ACSR	7.24Y	120.7	0.00	4.31	0.11	0	1	0	100	0.00	0.0	10.912	0.030	1	0	1	1
PL.2774	PL.2840	ABC	#1/0 ACSR	7.24Y	120.7	0.00	4.28	2.51	1	52	17	95	0.00	0.0	10.723	0.087	21	7	4	11
PL.3060	PL.2774	ABC	#1/0 ACSR	7.24Y	120.7	0.00	4.28	1.50	1	31	10	95	0.00	0.0	10.819	0.096	0	0	0	7
PL.2839	PL.3060	ABC	#1/0 ACSR	7.24Y	120.7	0.00	4.29	1.50	1	31	10	95	0.00	0.0	10.910	0.091	0	0	0	7
PL.2771	PL.2839	ABC	#1/0 ACSR	7.24Y	120.7	0.00	4.29	0.98	0	20	6	96	0.00	0.0	11.022	0.112	0	0	0	6
PL.3372	PL.2771	C	6 A (CWC)	7.24Y	120.7	0.00	4.29	0.33	0	2	1	89	0.00	0.0	11.078	0.056	2	1	1	1
PL.3373	PL.3372	C	6 A (CWC)	7.24Y	120.7	0.00	4.29	0.00	0	0	0	100	0.00	0.0	11.211	0.133	0	0	0	0
PL.2975	PL.2771	ABC	#1/0 ACSR	7.24Y	120.7	0.00	4.29	0.87	0	18	6	95	0.00	0.0	11.156	0.134	0	0	0	5
PL.2974	PL.2975	ABC	#1/0 ACSR	7.24Y	120.7	0.00	4.29	0.87	0	18	6	95	0.00	0.0	11.313	0.157	0	0	0	5
PL.2973	PL.2974	ABC	#1/0 ACSR	7.24Y	120.7	0.00	4.29	0.87	0	18	6	95	0.00	0.0	11.427	0.113	0	0	0	5
PL.2972	PL.2973	ABC	#1/0 ACSR	7.24Y	120.7	0.00	4.30	0.87	0	18	6	95	0.00	0.0	11.587	0.161	0	0	0	5

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Balanced Voltage Drop Report
Source: Big Creek

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.2838	PL.2972	ABC	#1/0 ACSR	7.24Y	120.7	0.00	4.30	0.87	0	18	6	95	0.00	0.0	11.668	0.080	0	0	0	5
PL.3363	PL.2838	ABC	#1/0 ACSR	7.24Y	120.7	0.00	4.30	0.87	0	18	6	95	0.00	0.0	11.748	0.080	0	0	0	5
PL.3362	PL.3363	ABC	#1/0 ACSR	7.24Y	120.7	0.00	4.30	0.87	0	18	6	95	0.00	0.0	11.843	0.095	0	0	0	5
PL.2971	PL.3362	ABC	#1/0 ACSR	7.24Y	120.7	0.00	4.30	0.87	0	18	6	95	0.00	0.0	11.977	0.133	0	0	0	5
PL.3059	PL.2971	ABC	#1/0 ACSR	7.24Y	120.7	0.00	4.31	0.87	0	18	6	95	0.00	0.0	12.127	0.150	0	0	0	5
PL.2970	PL.3059	ABC	#1/0 ACSR	7.24Y	120.7	0.00	4.31	0.87	0	18	6	95	0.00	0.0	12.177	0.051	0	0	0	5
PL.2969	PL.2970	ABC	#1/0 ACSR	7.24Y	120.7	0.00	4.31	0.87	0	18	6	95	0.00	0.0	12.318	0.141	0	0	0	5
PL.2968	PL.2969	ABC	#1/0 ACSR	7.24Y	120.7	0.00	4.31	0.87	0	18	6	95	0.00	0.0	12.477	0.159	0	0	0	5
PL.2837	PL.2968	ABC	#1/0 ACSR	7.24Y	120.7	0.00	4.31	0.87	0	18	6	95	0.00	0.0	12.597	0.120	0	0	0	5
PL.3360	PL.2837	C	6 A (CWC)	7.24Y	120.7	0.00	4.32	2.61	2	18	6	95	0.00	0.0	12.609	0.012	3	1	1	4
PL.3361	PL.3360	C	6 A (CWC)	7.24Y	120.7	0.00	4.32	2.23	2	15	5	95	0.00	0.0	12.690	0.081	15	5	3	3
PL.3357	PL.2837	ABC	#1/0 ACSR	7.24Y	120.7	0.00	4.31	0.00	0	0	0	100	0.00	0.0	12.685	0.089	0	0	1	1
PL.3359	PL.3357	ABC	#1/0 ACSR	7.24Y	120.7	0.00	4.31	0.00	0	0	0	100	0.00	0.0	12.761	0.075	0	0	0	0
PL.3358	PL.3359	ABC	#1/0 ACSR	7.24Y	120.7	0.00	4.31	0.00	0	0	0	100	0.00	0.0	12.902	0.141	0	0	0	0
PL.2836	PL.3358	ABC	#1/0 ACSR	7.24Y	120.7	0.00	4.31	0.00	0	0	0	100	0.00	0.0	13.072	0.170	0	0	0	0
PL.64943	PL.2836	ABC	#1/0 ACSR	7.24Y	120.7	0.00	4.31	0.00	0	0	0	100	0.00	0.0	13.121	0.049	0	0	0	0
PL.64942	PL.64943	ABC	#1/0 ACSR	7.24Y	120.7	0.00	4.31	0.00	0	0	0	100	0.00	0.0	13.121	0.001	0	0	0	0
PD.438-B	PL.64942	ABC	Open	7.24Y	120.7	0.00	4.31	0.00	0	0	0	100	0.00	0.0	13.121	0.001	0	0	0	0
PL.2770	PL.2836	A	6 A (CWC)	7.24Y	120.7	0.00	4.31	0.00	0	0	0	100	0.00	0.0	13.106	0.034	0	0	0	0
PL.3393	PL.2770	A	6 A (CWC)	7.24Y	120.7	0.00	4.31	0.00	0	0	0	100	0.00	0.0	13.111	0.005	0	0	0	0
PD.359-B	PL.3393	A	Open	7.24Y	120.7	0.00	4.31	0.00	0	0	0	100	0.00	0.0	13.111	0.005	0	0	0	0
PL.2944	PL.2838	C	#1/0 ACSR	7.24Y	120.7	0.00	4.30	0.00	0	0	0	100	0.00	0.0	11.672	0.005	0	0	0	0
PD.412	PL.2944	C	40QA	7.24Y	120.7	0.00	4.30	0.00	0	0	0	100	0.00	0.0	11.672	0.005	0	0	0	0
PL.2945	PD.412	C	#1/0 ACSR	7.24Y	120.7	0.00	4.30	0.00	0	0	0	100	0.00	0.0	11.692	0.020	0	0	0	0
PL.2772	PL.2839	A	#2 ACSR	7.24Y	120.7	0.00	4.29	0.00	0	0	0	100	0.00	0.0	10.928	0.017	0	0	0	0
PL.2773	PL.2839	C	#4 ACSR	7.24Y	120.7	0.00	4.29	1.56	1	11	3	96	0.00	0.0	10.950	0.040	11	3	1	1
PL.2778	PL.3093	C	#4 ACSR	7.25Y	120.8	0.00	4.24	0.53	0	4	1	97	0.00	0.0	10.228	0.045	4	1	1	1
PL.3580	PL.3374	A	#4 ACSR	7.25Y	120.8	0.00	4.23	0.83	1	6	2	95	0.00	0.0	10.091	0.005	0	0	0	2
PD.425	PL.3580	A	40QA	7.25Y	120.8	0.00	4.23	0.83	2	6	2	95	0.00	0.0	10.091	0.005	0	0	0	2
PL.3581	PD.425	A	#4 ACSR	7.25Y	120.8	0.00	4.23	0.83	1	6	2	95	0.00	0.0	10.121	0.030	6	2	2	2
PL.3558	PL.2841	C	#2 ACSR	7.25Y	120.8	0.00	4.18	0.04	0	0	0	100	0.00	0.0	9.641	0.005	0	0	0	1

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Balanced Voltage Drop Report
Source: Big Creek

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.414	PL.3558	C	40QA	7.25Y	120.8	0.00	4.18	0.04	0	0	0	100	0.00	0.0	9.641	0.005	0	0	0	1
PL.3559	PD.414	C	#2 ACSR	7.25Y	120.8	0.00	4.18	0.04	0	0	0	100	0.00	0.0	9.682	0.041	0	0	1	1
PL.1055	PL.668	A	#1/0 ACSR	7.26Y	120.9	0.00	4.06	0.07	0	0	0	100	0.00	0.0	8.653	0.005	0	0	0	1
PD.52	PL.1055	A	40QA	7.26Y	120.9	0.00	4.06	0.07	0	0	0	100	0.00	0.0	8.653	0.005	0	0	0	1
PL.1056	PD.52	A	#1/0 ACSR	7.26Y	120.9	0.00	4.06	0.07	0	0	0	100	0.00	0.0	8.734	0.080	0	0	1	1
PL.1063	PL.208	A	6 A (CWC)	7.26Y	121.0	0.00	3.96	0.00	0	0	0	100	0.00	0.0	8.149	0.004	0	0	0	0
PD.56	PL.1063	A	40QA	7.26Y	121.0	0.00	3.96	0.00	0	0	0	100	0.00	0.0	8.149	0.004	0	0	0	0
PL.1064	PD.56	A	6 A (CWC)	7.26Y	121.0	0.00	3.96	0.00	0	0	0	100	0.00	0.0	8.185	0.035	0	0	0	0
PL.209	PL.208	A	6 A (CWC)	7.26Y	121.0	0.01	3.97	6.21	4	43	14	95	0.00	0.0	8.185	0.040	3	1	1	16
PL.1061	PL.209	A	6 A (CWC)	7.26Y	121.0	0.00	3.97	5.71	4	39	13	95	0.00	0.0	8.190	0.005	0	0	0	15
PD.55	PL.1061	A	40T	7.26Y	121.0	0.00	3.97	5.71	0	39	13	95	0.00	0.0	8.190	0.005	0	0	0	15
PL.1062	PD.55	A	6 A (CWC)	7.26Y	120.9	0.09	4.06	5.71	4	39	13	95	0.02	0.1	8.562	0.372	8	3	2	15
PL.682	PL.1062	A	6 A (CWC)	7.25Y	120.9	0.03	4.09	4.57	3	32	10	95	0.01	0.0	8.704	0.142	0	0	0	13
PL.212	PL.682	A	#4 ACSR	7.25Y	120.9	0.00	4.09	1.09	1	8	2	97	0.00	0.0	8.771	0.068	8	2	1	1
PL.213	PL.682	A	#4 ACSR	7.25Y	120.9	0.01	4.10	3.48	3	24	8	95	0.00	0.0	8.785	0.081	0	0	1	12
PL.678	PL.213	A	#4 ACSR	7.25Y	120.9	0.00	4.11	1.16	1	8	3	94	0.00	0.0	8.862	0.077	4	1	3	8
PL.679	PL.678	A	#4 ACSR	7.25Y	120.9	0.00	4.11	0.66	1	5	1	98	0.00	0.0	8.951	0.089	0	0	1	5
PL.680	PL.679	A	#4 ACSR	7.25Y	120.9	0.00	4.11	0.62	0	4	1	97	0.00	0.0	9.062	0.111	0	0	0	4
PL.664	PL.680	A	#4 ACSR	7.25Y	120.9	0.00	4.12	0.62	0	4	1	97	0.00	0.0	9.149	0.087	0	0	1	4
PL.734	PL.664	A	#4 ACSR	7.25Y	120.9	0.00	4.12	0.29	0	2	1	89	0.00	0.0	9.218	0.070	0	0	1	2
PL.735	PL.734	A	#4 ACSR	7.25Y	120.9	0.00	4.12	0.25	0	2	1	89	0.00	0.0	9.346	0.128	2	1	1	1
PL.214	PL.664	A	#4 ACSR	7.25Y	120.9	0.00	4.12	0.26	0	2	1	89	0.00	0.0	9.206	0.057	2	1	1	1
PL.686	PL.213	A	#4 ACSR	7.25Y	120.9	0.00	4.11	2.30	2	16	5	95	0.00	0.0	8.821	0.036	11	3	2	3
PL.684	PL.686	A	#1/0 ACSR	7.25Y	120.9	0.00	4.11	0.74	0	5	2	93	0.00	0.0	8.875	0.054	5	2	1	1
PL.1053	PL.205	C	6 A (CWC)	7.27Y	121.1	0.00	3.89	0.44	0	3	1	95	0.00	0.0	7.847	0.005	0	0	0	2
PD.51	PL.1053	C	40QA	7.27Y	121.1	0.00	3.89	0.44	1	3	1	95	0.00	0.0	7.847	0.005	0	0	0	2
PL.1054	PD.51	C	6 A (CWC)	7.27Y	121.1	0.00	3.89	0.44	0	3	1	95	0.00	0.0	7.953	0.106	3	1	2	2
PL.953	PL.191	C	#4 ACSR	7.27Y	121.2	0.00	3.80	0.00	0	0	0	100	0.00	0.0	7.450	0.005	0	0	0	0
PL.189	PL.179	A	6 A (CWC)	7.27Y	121.2	0.06	3.79	11.83	8	82	26	95	0.04	0.0	7.257	0.119	0	0	0	36
PL.1386	PL.189	A	6 A (CWC)	7.27Y	121.2	0.00	3.79	11.83	8	82	26	95	0.00	0.0	7.260	0.002	0	0	0	36
PD.200	PL.1386	A	40T	7.27Y	121.2	0.00	3.79	11.83	0	82	26	95	0.00	0.0	7.260	0.002	0	0	0	36

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: Big Creek

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.1385	PD.200	A	6 A (CWC)	7.27Y	121.2	0.00	3.79	11.83	8	82	26	95	0.00	0.0	7.262	0.002	0	0	0	36
PL.192	PL.1385	A	6 A (CWC)	7.27Y	121.2	0.01	3.80	10.75	8	74	24	95	0.01	0.0	7.292	0.030	0	0	0	31
PL.697	PL.192	A	#4 ACSR	7.27Y	121.2	0.00	3.81	1.06	1	7	2	96	0.00	0.0	7.362	0.070	2	1	1	3
PL.698	PL.697	A	#4 ACSR	7.27Y	121.2	0.00	3.81	0.81	1	6	2	95	0.00	0.0	7.404	0.042	6	2	2	2
PL.195	PL.192	A	6 A (CWC)	7.27Y	121.2	0.04	3.84	9.69	7	67	21	95	0.02	0.0	7.376	0.084	5	2	3	28
PL.695	PL.195	A	6 A (CWC)	7.26Y	121.1	0.10	3.94	8.32	6	58	18	96	0.04	0.1	7.636	0.261	4	1	2	22
PL.197	PL.695	A	6 A (CWC)	7.26Y	121.0	0.03	3.96	7.81	6	54	17	95	0.01	0.0	7.711	0.075	5	2	4	20
PL.199	PL.197	A	6 A (CWC)	7.26Y	121.0	0.02	3.98	6.86	5	47	15	95	0.01	0.0	7.766	0.055	10	3	2	15
PL.603	PL.199	A	6 A (CWC)	7.26Y	121.0	0.01	3.99	4.66	3	32	10	95	0.00	0.0	7.807	0.042	0	0	0	10
PL.604	PL.603	A	6 A (CWC)	7.26Y	121.0	0.01	4.00	4.66	3	32	10	95	0.00	0.0	7.853	0.046	1	0	1	10
PL.596	PL.604	A	6 A (CWC)	7.26Y	121.0	0.01	4.01	4.44	3	31	10	95	0.00	0.0	7.902	0.049	1	0	2	9
PL.597	PL.596	A	6 A (CWC)	7.26Y	121.0	0.02	4.03	4.24	3	29	9	96	0.00	0.0	8.005	0.103	0	0	0	7
PL.202	PL.597	A	#2 ACSR	7.26Y	121.0	0.00	4.03	0.52	0	4	1	97	0.00	0.0	8.034	0.028	4	1	2	2
PL.601	PL.597	A	#4 ACSR	7.26Y	121.0	0.02	4.05	3.72	3	26	8	96	0.00	0.0	8.148	0.143	9	3	1	5
PL.594	PL.601	A	#4 ACSR	7.26Y	120.9	0.01	4.06	2.44	2	17	5	96	0.00	0.0	8.229	0.081	0	0	0	4
PL.595	PL.594	A	#4 ACSR	7.26Y	120.9	0.01	4.06	2.44	2	17	5	96	0.00	0.0	8.290	0.061	0	0	0	4
PL.203	PL.595	A	#4 ACSR	7.26Y	120.9	0.01	4.07	2.44	2	17	5	96	0.00	0.0	8.390	0.100	6	2	1	4
PL.592	PL.203	A	#4 ACSR	7.26Y	120.9	0.00	4.07	1.56	1	11	3	96	0.00	0.0	8.446	0.056	0	0	0	3
PL.593	PL.592	A	#4 ACSR	7.26Y	120.9	0.00	4.08	1.56	1	11	3	96	0.00	0.0	8.473	0.026	9	3	2	3
PL.204	PL.593	A	#2 ACSR	7.26Y	120.9	0.00	4.08	0.24	0	2	1	89	0.00	0.0	8.503	0.030	2	1	1	1
PL.200	PL.199	A	6 A (CWC)	7.26Y	121.0	0.00	3.98	0.37	0	3	1	95	0.00	0.0	7.808	0.042	3	1	1	1
PL.598	PL.199	A	6 A (CWC)	7.26Y	121.0	0.00	3.98	0.33	0	2	1	89	0.00	0.0	7.846	0.081	0	0	1	2
PL.599	PL.598	A	6 A (CWC)	7.26Y	121.0	0.00	3.98	0.28	0	2	1	89	0.00	0.0	7.886	0.040	2	1	1	1
PL.198	PL.197	A	#2 ACSR	7.26Y	121.0	0.00	3.96	0.19	0	1	0	100	0.00	0.0	7.735	0.024	1	0	1	1
PL.196	PL.195	A	#4 ACSR	7.27Y	121.2	0.00	3.84	0.60	0	4	1	97	0.00	0.0	7.396	0.021	4	1	3	3
PL.290	PL.1385	A	6 A (CWC)	7.27Y	121.2	0.00	3.79	1.08	1	7	2	96	0.00	0.0	7.267	0.005	0	0	0	5
PL.243	PL.290	A	6 A (CWC)	7.27Y	121.2	0.00	3.79	1.08	1	7	2	96	0.00	0.0	7.325	0.058	0	0	0	5
PL.193	PL.243	A	#1/0 ACSR	7.27Y	121.2	0.00	3.79	0.66	0	5	1	98	0.00	0.0	7.377	0.052	3	1	1	3
PL.689	PL.193	A	#1/0 ACSR	7.27Y	121.2	0.00	3.79	0.21	0	1	0	100	0.00	0.0	7.396	0.018	0	0	0	2
PL.690	PL.689	A	#1/0 ACSR	7.27Y	121.2	0.00	3.79	0.21	0	1	0	100	0.00	0.0	7.504	0.109	1	0	2	2
PL.194	PL.243	A	#2 ACSR	7.27Y	121.2	0.00	3.79	0.43	0	3	1	95	0.00	0.0	7.342	0.017	3	1	2	2

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Balanced Voltage Drop Report
Source: Big Creek

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.1073	PL.178	A	6 A (CWC)	7.29Y	121.4	0.00	3.56	3.13	2	22	7	95	0.00	0.0	6.649	0.005	0	0	0	9
PD.62	PL.1073	A	20T	7.29Y	121.4	0.00	3.56	3.13	0	22	7	95	0.00	0.0	6.649	0.005	0	0	0	9
PL.1074	PD.62	A	6 A (CWC)	7.29Y	121.4	0.02	3.58	3.13	2	22	7	95	0.00	0.0	6.778	0.129	2	1	1	9
PL.718	PL.1074	A	6 A (CWC)	7.28Y	121.4	0.01	3.59	2.87	2	20	6	96	0.00	0.0	6.860	0.082	0	0	0	8
PL.181	PL.718	A	6 A (CWC)	7.28Y	121.4	0.01	3.60	2.63	2	18	6	95	0.00	0.0	6.924	0.065	8	2	1	7
PL.725	PL.181	A	6 A (CWC)	7.28Y	121.4	0.01	3.61	1.52	1	11	3	96	0.00	0.0	7.119	0.195	4	1	2	6
PL.727	PL.725	A	6 A (CWC)	7.28Y	121.4	0.00	3.61	0.95	1	7	2	96	0.00	0.0	7.157	0.039	4	1	1	4
PL.728	PL.727	A	6 A (CWC)	7.28Y	121.4	0.01	3.62	0.31	0	2	1	89	0.00	0.0	7.561	0.403	0	0	0	3
PL.183	PL.728	A	#4 ACSR	7.28Y	121.4	0.00	3.62	0.31	0	2	1	89	0.00	0.0	7.861	0.300	0	0	1	3
PL.738	PL.183	A	#4 ACSR	7.28Y	121.4	0.00	3.62	0.27	0	2	1	89	0.00	0.0	8.020	0.158	2	1	1	2
PL.185	PL.738	A	#4 ACSR	7.28Y	121.4	0.00	3.62	0.03	0	0	0	100	0.00	0.0	8.815	0.796	0	0	1	1
PL.180	PL.718	A	#2 ACSR	7.28Y	121.4	0.00	3.59	0.24	0	2	1	89	0.00	0.0	6.880	0.021	2	1	1	1
PL.1075	PL.719	A	6 A (CWC)	7.29Y	121.5	0.00	3.50	0.22	0	2	0	100	0.00	0.0	6.453	0.005	0	0	0	1
PD.63	PL.1075	A	40QA	7.29Y	121.5	0.00	3.50	0.22	1	2	0	100	0.00	0.0	6.453	0.005	0	0	0	1
PL.1076	PD.63	A	6 A (CWC)	7.29Y	121.5	0.00	3.50	0.22	0	2	0	100	0.00	0.0	6.533	0.081	2	0	1	1
PL.176	PL.1076	A	6 A (CWC)	7.29Y	121.5	0.00	3.50	0.00	0	0	0	100	0.00	0.0	6.612	0.079	0	0	0	0
PL.1071	PL.278	C	6 A (CWC)	7.30Y	121.6	0.00	3.39	1.52	1	11	3	96	0.00	0.0	6.133	0.005	0	0	0	2
PD.61	PL.1071	C	40QA	7.30Y	121.6	0.00	3.39	1.52	4	11	3	96	0.00	0.0	6.133	0.005	0	0	0	2
PL.1072	PD.61	C	6 A (CWC)	7.30Y	121.6	0.00	3.39	1.52	1	11	3	96	0.00	0.0	6.177	0.043	11	3	2	2
PL.1069	PL.277	A	#2 ACSR	7.30Y	121.6	0.00	3.35	1.04	1	7	2	96	0.00	0.0	6.041	0.005	0	0	0	3
PD.60	PL.1069	A	40QA	7.30Y	121.6	0.00	3.35	1.04	3	7	2	96	0.00	0.0	6.041	0.005	0	0	0	3
PL.1070	PD.60	A	#2 ACSR	7.30Y	121.6	0.00	3.35	1.04	1	7	2	96	0.00	0.0	6.081	0.040	7	2	3	3
PL.171	PL.170	B	6 A (CWC)	7.30Y	121.7	0.01	3.28	2.99	2	21	7	95	0.00	0.0	5.904	0.085	11	3	3	6
PL.1383	PL.171	B	#4 ACSR	7.30Y	121.7	0.00	3.28	1.46	1	10	3	96	0.00	0.0	5.905	0.002	0	0	0	3
PD.199	PL.1383	B	40QA	7.30Y	121.7	0.00	3.28	1.46	4	10	3	96	0.00	0.0	5.905	0.002	0	0	0	3
PL.1384	PD.199	B	#4 ACSR	7.30Y	121.7	0.00	3.28	1.46	1	10	3	96	0.00	0.0	5.907	0.002	0	0	0	3
PL.242	PL.1384	B	#4 ACSR	7.30Y	121.7	0.00	3.28	0.38	0	3	1	95	0.00	0.0	6.093	0.186	3	1	1	1
PL.279	PL.1384	B	6 A (CWC)	7.30Y	121.7	0.00	3.28	1.08	1	7	2	96	0.00	0.0	5.910	0.003	0	0	0	2
PL.172	PL.279	B	6 A (CWC)	7.30Y	121.7	0.00	3.28	1.08	1	7	2	96	0.00	0.0	5.964	0.053	7	2	2	2
PL.1079	PL.748	C	6 A (CWC)	7.31Y	121.9	0.00	3.14	6.08	4	42	14	95	0.00	0.0	5.512	0.005	0	0	0	12
PD.65	PL.1079	C	25T	7.31Y	121.9	0.00	3.14	6.08	0	42	14	95	0.00	0.0	5.512	0.005	0	0	0	12

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Balanced Voltage Drop Report
Source: Big Creek

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.1080	PD.65	C	6 A (CWC)	7.31Y	121.8	0.05	3.19	6.08	4	42	14	95	0.02	0.0	5.713	0.201	6	2	1	12
PL.754	PL.1080	C	6 A (CWC)	7.31Y	121.8	0.03	3.22	5.23	4	36	12	95	0.01	0.0	5.870	0.157	17	5	3	11
PL.758	PL.754	C	6 A (CWC)	7.31Y	121.8	0.00	3.23	2.80	2	20	6	96	0.00	0.0	5.911	0.041	2	1	1	8
PL.759	PL.758	C	6 A (CWC)	7.31Y	121.8	0.01	3.23	2.51	2	17	6	94	0.00	0.0	5.957	0.046	0	0	0	7
PL.166	PL.759	C	6 A (CWC)	7.31Y	121.8	0.01	3.24	2.16	2	15	5	95	0.00	0.0	6.049	0.092	0	0	0	6
PL.167	PL.166	C	#4 ACSR	7.31Y	121.8	0.00	3.24	0.23	0	2	1	89	0.00	0.0	6.114	0.065	2	1	1	1
PL.273	PL.166	C	#4 ACSR	7.31Y	121.8	0.01	3.25	1.93	1	13	4	96	0.00	0.0	6.131	0.082	6	2	1	5
PL.762	PL.273	C	#4 ACSR	7.31Y	121.8	0.00	3.25	0.66	1	5	1	98	0.00	0.0	6.191	0.060	2	1	1	3
PL.763	PL.762	C	#4 ACSR	7.30Y	121.7	0.00	3.25	0.42	0	3	1	95	0.00	0.0	6.244	0.052	1	0	1	2
PL.764	PL.763	C	#4 ACSR	7.30Y	121.7	0.00	3.25	0.23	0	2	1	89	0.00	0.0	6.307	0.063	2	1	1	1
PL.274	PL.273	C	#4 ACSR	7.31Y	121.8	0.00	3.25	0.37	0	3	1	95	0.00	0.0	6.184	0.052	3	1	1	1
PL.760	PL.759	C	#2 ACSR	7.31Y	121.8	0.00	3.23	0.35	0	2	1	89	0.00	0.0	6.059	0.102	2	1	1	1
PL.750	PL.748	A	6 A (CWC)	7.31Y	121.9	0.00	3.14	0.53	0	4	1	97	0.00	0.0	5.676	0.169	4	1	1	1
PL.1081	PL.630	C	#1/0 ACSR	7.32Y	121.9	0.00	3.06	0.86	0	6	2	95	0.00	0.0	5.334	0.005	0	0	0	1
PD.66	PL.1081	C	40QA	7.32Y	121.9	0.00	3.06	0.86	2	6	2	95	0.00	0.0	5.334	0.005	0	0	0	1
PL.1082	PD.66	C	#1/0 ACSR	7.32Y	121.9	0.00	3.06	0.86	0	6	2	95	0.00	0.0	5.362	0.028	6	2	1	1
PL.1049	PL.114	A	6 A (CWC)	7.38Y	123.0	0.00	1.98	0.07	0	1	0	100	0.00	0.0	2.991	0.004	0	0	0	2
PD.49	PL.1049	A	20T	7.38Y	123.0	0.00	1.98	0.07	0	1	0	100	0.00	0.0	2.991	0.004	0	0	0	2
PL.1050	PD.49	A	6 A (CWC)	7.38Y	123.0	0.00	1.98	0.07	0	1	0	100	0.00	0.0	3.069	0.077	0	0	1	2
PL.164	PL.1050	A	#4 ACSR	7.38Y	123.0	0.00	1.98	0.01	0	0	0	100	0.00	0.0	3.317	0.249	0	0	1	1
PL.112	PL.110	B	6 A (CWC)	7.39Y	123.1	0.05	1.86	16.13	12	114	37	95	0.04	0.0	2.687	0.061	0	0	0	33
PL.1263	PL.112	B	6 A (CWC)	7.39Y	123.1	0.00	1.86	16.13	12	113	37	95	0.00	0.0	2.690	0.003	0	0	0	33
PD.145	PL.1263	B	35H	7.39Y	123.1	0.00	1.86	16.13	46	113	37	95	0.00	0.0	2.690	0.003	0	0	0	33
PL.1264	PD.145	B	6 A (CWC)	7.38Y	123.0	0.10	1.96	16.13	12	113	37	95	0.09	0.1	2.827	0.137	0	0	0	33
PL.126	PL.1264	B	6 A (CWC)	7.38Y	123.0	0.03	1.99	3.19	2	22	7	95	0.00	0.0	3.004	0.177	0	0	1	10
PL.269	PL.126	B	6 A (CWC)	7.38Y	123.0	0.01	1.99	3.15	2	22	7	95	0.00	0.0	3.042	0.037	0	0	0	9
PL.270	PL.269	B	6 A (CWC)	7.38Y	123.0	0.00	1.99	1.59	1	11	4	94	0.00	0.0	3.085	0.044	11	4	7	7
PL.128	PL.269	B	6 A (CWC)	7.38Y	123.0	0.01	2.00	1.55	1	11	3	96	0.00	0.0	3.150	0.109	0	0	0	2
PL.131	PL.128	B	6 A (CWC)	7.38Y	123.0	0.00	2.00	1.55	1	11	3	96	0.00	0.0	3.192	0.042	0	0	1	2
PL.132	PL.131	B	#1/0 ACSR	7.38Y	123.0	0.00	2.00	1.52	1	11	3	96	0.00	0.0	3.220	0.027	11	3	1	1
PL.130	PL.128	B	#1/0 ACSR	7.38Y	123.0	0.00	2.00	0.00	0	0	0	100	0.00	0.0	3.181	0.031	0	0	0	0

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

Balanced Voltage Drop Report
Source: Big Creek

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.4470	PL.1264	B	6 A (CWC)	7.38Y	123.0	0.05	2.01	12.95	9	91	29	95	0.04	0.0	2.915	0.088	0	0	0	23
PL.767	PL.4470	B	6 A (CWC)	7.36Y	122.7	0.29	2.30	12.95	9	91	29	95	0.20	0.2	3.398	0.483	0	0	0	23
PL.134	PL.767	B	6 A (CWC)	7.34Y	122.4	0.29	2.59	12.95	9	91	29	95	0.20	0.2	3.880	0.481	0	0	0	23
PL.4472	PL.134	B	6 A (CWC)	7.34Y	122.4	0.05	2.64	12.95	9	91	29	95	0.04	0.0	3.970	0.090	0	0	0	23
PL.617	PL.4472	B	6 A (CWC)	7.33Y	122.2	0.16	2.81	12.95	9	91	29	95	0.11	0.1	4.245	0.275	0	0	0	23
PL.4471	PL.617	B	6 A (CWC)	7.33Y	122.1	0.10	2.90	12.95	9	90	29	95	0.07	0.1	4.406	0.160	0	0	0	23
PL.784	PL.4471	B	6 A (CWC)	7.32Y	122.0	0.13	3.03	12.95	9	90	29	95	0.09	0.1	4.629	0.223	5	2	2	23
PL.135	PL.784	B	6 A (CWC)	7.32Y	121.9	0.05	3.08	12.23	9	85	27	95	0.03	0.0	4.714	0.085	8	2	2	21
PL.613	PL.135	B	6 A (CWC)	7.31Y	121.9	0.07	3.14	11.11	8	77	25	95	0.04	0.0	4.841	0.127	0	0	0	19
PL.609	PL.613	B	#4 ACSR	7.31Y	121.9	0.00	3.14	0.38	0	3	1	95	0.00	0.0	4.866	0.025	2	1	1	2
PL.610	PL.609	B	#4 ACSR	7.31Y	121.9	0.00	3.14	0.15	0	1	0	100	0.00	0.0	4.910	0.044	1	0	1	1
PL.611	PL.613	B	6 A (CWC)	7.31Y	121.8	0.04	3.18	10.73	8	75	24	95	0.02	0.0	4.927	0.086	16	5	1	17
PL.612	PL.611	B	6 A (CWC)	7.30Y	121.7	0.13	3.31	8.42	6	59	19	95	0.06	0.1	5.259	0.332	2	1	2	16
PL.588	PL.612	B	6 A (CWC)	7.30Y	121.7	0.02	3.33	8.17	6	57	18	95	0.01	0.0	5.307	0.049	10	3	2	14
PL.589	PL.588	B	6 A (CWC)	7.30Y	121.7	0.02	3.35	6.76	5	47	15	95	0.01	0.0	5.379	0.072	4	1	2	12
PL.161	PL.589	B	6 A (CWC)	7.30Y	121.6	0.01	3.36	6.12	4	43	14	95	0.00	0.0	5.415	0.036	6	2	1	10
PL.162	PL.161	B	6 A (CWC)	7.30Y	121.6	0.02	3.37	5.19	4	36	12	95	0.00	0.0	5.506	0.091	16	5	4	9
PL.586	PL.162	B	6 A (CWC)	7.30Y	121.6	0.02	3.39	2.87	2	20	6	96	0.00	0.0	5.665	0.159	2	1	1	5
PL.584	PL.586	B	6 A (CWC)	7.29Y	121.6	0.03	3.42	2.61	2	18	6	95	0.00	0.0	5.923	0.258	5	2	2	4
PL.282	PL.584	B	6 A (CWC)	7.29Y	121.6	0.00	3.42	0.34	0	2	1	89	0.00	0.0	6.003	0.080	2	1	1	1
PL.926	PL.282	B	6 A (CWC)	7.29Y	121.6	0.00	3.42	0.00	0	0	0	100	0.00	0.0	6.096	0.094	0	0	0	0
PL.163	PL.584	B	#4 ACSR	7.29Y	121.6	0.00	3.42	1.59	1	11	4	94	0.00	0.0	5.972	0.049	11	4	1	1
PL.1083	PL.267	C	6 A (CWC)	7.41Y	123.4	0.00	1.56	0.40	0	3	1	95	0.00	0.0	2.195	0.004	0	0	0	2
PD.67	PL.1083	C	40QA	7.41Y	123.4	0.00	1.56	0.40	1	3	1	95	0.00	0.0	2.195	0.004	0	0	0	2
PL.1084	PD.67	C	6 A (CWC)	7.41Y	123.4	0.00	1.57	0.40	0	3	1	95	0.00	0.0	2.284	0.090	3	1	2	2
PL.1085	PL.778	B	#4 ACSR	7.41Y	123.5	0.00	1.50	13.69	11	97	31	95	0.00	0.0	2.078	0.005	0	0	0	18
PD.68	PL.1085	B	25T	7.41Y	123.5	0.00	1.50	13.69	0	97	31	95	0.00	0.0	2.078	0.005	0	0	0	18
PL.1086	PD.68	B	#4 ACSR	7.41Y	123.5	0.01	1.52	13.69	11	97	31	95	0.01	0.0	2.100	0.022	0	0	0	18
PL.111	PL.1086	B	#4 ACSR	7.40Y	123.4	0.07	1.59	13.69	11	97	31	95	0.05	0.1	2.216	0.116	1	0	1	18
PL.264	PL.111	B	#4 ACSR	7.40Y	123.4	0.04	1.63	13.57	10	96	31	95	0.03	0.0	2.280	0.064	0	0	0	17
PL.263	PL.264	B	#4 ACSR	7.40Y	123.4	0.00	1.63	4.14	3	29	9	96	0.00	0.0	2.298	0.018	6	2	1	7

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Balanced Voltage Drop Report
Source: Big Creek

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.122	PL.263	B	#4 ACSR	7.40Y	123.4	0.00	1.63	2.17	2	15	5	95	0.00	0.0	2.350	0.053	15	5	5	5
PL.776	PL.263	B	#4 ACSR	7.40Y	123.4	0.00	1.63	1.15	1	8	3	94	0.00	0.0	2.337	0.039	0	0	0	1
PL.777	PL.776	B	#4 ACSR	7.40Y	123.4	0.00	1.63	1.15	1	8	3	94	0.00	0.0	2.384	0.048	8	3	1	1
PL.765	PL.264	B	#4 ACSR	7.40Y	123.4	0.00	1.63	2.21	2	16	5	95	0.00	0.0	2.307	0.027	0	0	0	2
PL.766	PL.765	B	#4 ACSR	7.40Y	123.4	0.00	1.63	2.21	2	16	5	95	0.00	0.0	2.330	0.023	16	5	2	2
PL.121	PL.264	B	#4 ACSR	7.40Y	123.3	0.04	1.67	7.21	6	51	16	95	0.02	0.0	2.411	0.131	0	0	0	8
PL.931	PL.121	B	#4 ACSR	7.40Y	123.3	0.01	1.67	2.27	2	16	5	95	0.00	0.0	2.477	0.066	0	0	0	3
PL.932	PL.931	B	#4 ACSR	7.40Y	123.3	0.00	1.68	2.27	2	16	5	95	0.00	0.0	2.491	0.014	16	5	3	3
PL.123	PL.121	B	#4 ACSR	7.40Y	123.3	0.01	1.68	4.94	4	35	11	95	0.00	0.0	2.505	0.094	30	10	4	5
PL.124	PL.123	B	#4 ACSR	7.40Y	123.3	0.00	1.68	0.67	1	5	2	93	0.00	0.0	2.551	0.047	5	2	1	1
PL.1087	PL.265	C	#2 ACSR	7.42Y	123.7	0.00	1.30	1.14	1	8	3	94	0.00	0.0	1.776	0.005	0	0	0	1
PD.69	PL.1087	C	40QA	7.42Y	123.7	0.00	1.30	1.14	3	8	3	94	0.00	0.0	1.776	0.005	0	0	0	1
PL.1088	PD.69	C	#2 ACSR	7.42Y	123.7	0.00	1.30	1.14	1	8	3	94	0.00	0.0	1.817	0.042	8	3	1	1
PL.1197	PL.262	A	#1/0 ACSR	7.43Y	123.8	0.00	1.19	0.78	0	6	2	95	0.00	0.0	1.601	0.005	0	0	0	1
PD.127	PL.1197	A	40QA	7.43Y	123.8	0.00	1.19	0.78	2	6	2	95	0.00	0.0	1.601	0.005	0	0	0	1
PL.1198	PD.127	A	#1/0 ACSR	7.43Y	123.8	0.00	1.19	0.78	0	6	2	95	0.00	0.0	1.635	0.034	6	2	1	1
PL.1199	PL.261	C	#1/0 ACSR	7.43Y	123.9	0.00	1.14	0.00	0	0	0	100	0.00	0.0	1.533	0.005	0	0	0	0
PD.128	PL.1199	C	40QA	7.43Y	123.9	0.00	1.14	0.00	0	0	0	100	0.00	0.0	1.533	0.005	0	0	0	0
PL.1200	PD.128	C	#1/0 ACSR	7.43Y	123.9	0.00	1.14	0.00	0	0	0	100	0.00	0.0	1.568	0.036	0	0	0	0
PL.1201	PL.261	A	#4 ACSR	7.43Y	123.9	0.00	1.14	0.58	0	4	1	97	0.00	0.0	1.532	0.004	0	0	0	1
PD.129	PL.1201	A	40QA	7.43Y	123.9	0.00	1.14	0.58	1	4	1	97	0.00	0.0	1.532	0.004	0	0	0	1
PL.1202	PD.129	A	#4 ACSR	7.43Y	123.9	0.00	1.14	0.58	0	4	1	97	0.00	0.0	1.564	0.032	4	1	1	1
PL.105	PL.582	C	#2 ACSR	7.44Y	124.0	0.00	0.97	2.00	1	14	5	94	0.00	0.0	1.335	0.057	14	5	3	3
CP.4	PL.1376	ABC	Cap (300)	7.46Y	124.4	0.00	0.63	0.00	0	0	0	100	0.00	0.0	0.802	0.057	0	0	0	0
PL.1113	PL.136	A	#4 ACSR	7.46Y	124.4	0.00	0.62	0.01	0	0	0	100	0.00	0.0	0.792	0.005	0	0	0	1
PD.81	PL.1113	A	40QA	7.46Y	124.4	0.00	0.62	0.01	0	0	0	100	0.00	0.0	0.792	0.005	0	0	0	1
PL.1114	PD.81	A	#4 ACSR	7.46Y	124.4	0.00	0.62	0.01	0	0	0	100	0.00	0.0	0.822	0.030	0	0	1	1
PL.1105	PL.259	A	#4 ACSR	7.47Y	124.5	0.00	0.54	1.04	1	7	2	96	0.00	0.0	0.681	0.004	0	0	0	1
PD.77	PL.1105	A	40QA	7.47Y	124.5	0.00	0.54	1.04	3	7	2	96	0.00	0.0	0.681	0.004	0	0	0	1
PL.1106	PD.77	A	#4 ACSR	7.47Y	124.5	0.00	0.54	1.04	1	7	2	96	0.00	0.0	0.720	0.039	7	2	1	1
PL.143	PL.140	ABC	#1/0 ACSR	7.49Y	124.9	0.00	0.15	4.48	2	96	31	95	0.00	0.0	0.214	0.039	0	0	0	19

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Balanced Voltage Drop Report
Source: Big Creek

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.1377	PL.143	A	6 A (CWC)	7.49Y	124.9	0.00	0.15	10.37	7	74	24	95	0.00	0.0	0.217	0.003	0	0	0	13
PD.196	PL.1377	A	20T	7.49Y	124.9	0.00	0.15	10.37	0	74	24	95	0.00	0.0	0.217	0.003	0	0	0	13
PL.1378	PD.196	A	6 A (CWC)	7.49Y	124.8	0.04	0.19	10.37	7	74	24	95	0.02	0.0	0.310	0.093	24	8	4	13
PL.145	PL.1378	A	6 A (CWC)	7.49Y	124.8	0.02	0.21	6.99	5	50	16	95	0.01	0.0	0.374	0.064	0	0	0	9
PL.147	PL.145	A	6 A (CWC)	7.49Y	124.8	0.01	0.21	3.00	2	21	7	95	0.00	0.0	0.447	0.073	15	5	5	6
PL.146	PL.147	A	#4 ACSR	7.49Y	124.8	0.00	0.21	0.89	1	6	2	95	0.00	0.0	0.493	0.046	6	2	1	1
PL.844	PL.145	A	6 A (CWC)	7.49Y	124.8	0.02	0.23	3.99	3	28	9	95	0.00	0.0	0.498	0.124	11	3	1	3
PL.845	PL.844	A	6 A (CWC)	7.49Y	124.8	0.01	0.23	2.46	2	18	6	95	0.00	0.0	0.592	0.094	18	6	2	2
PL.939	PL.845	A	6 A (CWC)	7.49Y	124.8	0.00	0.23	0.00	0	0	0	100	0.00	0.0	0.664	0.073	0	0	0	0
PL.26119	PL.143	ABC	#1/0 ACSR	7.49Y	124.9	0.00	0.15	1.02	0	22	7	95	0.00	0.0	0.352	0.139	0	0	0	6
PL.26120	PL.26119	ABC	#1/0 ACSR	7.49Y	124.9	0.00	0.15	1.02	0	22	7	95	0.00	0.0	0.365	0.013	0	0	1	6
PL.10617	PL.26120	ABC	#1/0 ACSR	7.49Y	124.8	0.00	0.15	1.01	0	22	7	95	0.00	0.0	0.470	0.105	0	0	0	5
PL.11380	PL.10617	A	#4 ACSR	7.49Y	124.8	0.01	0.16	3.02	2	22	7	95	0.00	0.0	0.563	0.093	11	4	4	5
PL.10922	PL.11380	A	#4 ACSR	7.49Y	124.8	0.00	0.16	1.49	1	11	3	96	0.00	0.0	0.644	0.081	11	3	1	1
PL.64938	PL.64956	A	#4 ACSR	7.49Y	124.9	0.00	0.09	0.00	0	0	0	100	0.00	0.0	0.113	0.004	0	0	0	2
PL.64939	PL.64938	A	#4 ACSR	7.49Y	124.9	0.00	0.09	0.00	0	0	0	100	0.00	0.0	0.113	0.001	0	0	0	2
PD.75	PL.64939	A	15T	7.49Y	124.9	0.00	0.09	0.00	0	0	0	100	0.00	0.0	0.113	0.001	0	0	0	2
PL.1102	PD.75	A	#4 ACSR	7.49Y	124.9	0.00	0.09	0.00	0	0	0	100	0.00	0.0	0.122	0.009	0	0	2	2
PL.64978	Big Creek	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	46.28	9	990	322	95	0.02	0.0	0.009	0.009	0	0	0	210
PL.64979	PL.64978	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	46.28	9	990	322	95	0.01	0.0	0.014	0.004	0	0	0	210

----- Feeder No. 2 (Bear Branch F2) Beginning with Device PD.9987 -----

PD.9987	PL.64979	ABC	480VWE	7.50Y	125.0	0.00	0.00	46.28	0	990	322	95	0.00	0.0	0.014	0.004	0	0	0	210
PL.64950	PD.9987	ABC	336 MCM AC	7.50Y	125.0	0.00	0.01	46.28	9	990	322	95	0.02	0.0	0.023	0.009	0	0	0	210
PL.823	PL.64950	A	#1/0 ACSR	7.50Y	125.0	0.00	0.01	1.13	0	8	3	94	0.00	0.0	0.046	0.023	8	3	2	2
PL.824	PL.823	A	#4 ACSR	7.50Y	125.0	0.00	0.01	0.00	0	0	0	100	0.00	0.0	0.070	0.023	0	0	0	0
PL.64954	PL.64950	ABC	#1/0 ACSR	7.50Y	124.9	0.06	0.07	45.91	20	982	320	95	0.40	0.0	0.094	0.071	0	0	0	208
PL.64937	PL.64954	ABC	#1/0 ACSR	7.50Y	124.9	0.00	0.07	45.91	20	982	319	95	0.00	0.0	0.094	0.000	3	1	1	208
PL.821	PL.64937	ABC	#1/0 ACSR	7.49Y	124.9	0.03	0.10	44.54	19	952	310	95	0.20	0.0	0.132	0.038	10	5	1	201
PL.822	PL.821	ABC	#1/0 ACSR	7.49Y	124.8	0.07	0.17	44.05	19	942	305	95	0.47	0.1	0.224	0.092	0	0	1	200

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Balanced Voltage Drop Report
Source: Big Creek

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.1095	PL.822	A	#4 ACSR	7.49Y	124.8	0.00	0.17	1.02	1	7	2	96	0.00	0.0	0.229	0.005	0	0	0	1
PD.73	PL.1095	A	40QA	7.49Y	124.8	0.00	0.17	1.02	3	7	2	96	0.00	0.0	0.229	0.005	0	0	0	1
PL.1096	PD.73	A	#4 ACSR	7.49Y	124.8	0.00	0.17	1.02	1	7	2	96	0.00	0.0	0.251	0.022	7	2	1	1
PL.1098	PL.822	ABC	#1/0 ACSR	7.49Y	124.8	0.08	0.25	43.72	19	935	302	95	0.47	0.1	0.317	0.093	0	0	0	198
PL.159	PL.1098	ABC	6 A (CWC)	7.48Y	124.7	0.00	0.25	0.24	0	5	2	93	0.00	0.0	0.606	0.289	0	0	0	4
PL.157	PL.159	ABC	#4 ACSR	7.48Y	124.7	0.00	0.25	0.24	0	5	2	93	0.00	0.0	0.645	0.039	0	0	2	4
PL.840	PL.157	ABC	#4 ACSR	7.48Y	124.7	0.00	0.25	0.00	0	0	0	100	0.00	0.0	1.088	0.443	0	0	0	0
PL.156	PL.157	A	#4 ACSR	7.48Y	124.7	0.00	0.25	0.68	1	5	2	93	0.00	0.0	0.689	0.044	5	2	2	2
PL.257	PL.1098	ABC	#1/0 ACSR	7.47Y	124.5	0.21	0.46	43.48	19	929	300	95	1.29	0.1	0.577	0.260	15	5	4	194
PL.885	PL.257	ABC	#1/0 ACSR	7.47Y	124.5	0.04	0.49	42.75	19	912	294	95	0.22	0.0	0.622	0.045	2	0	2	190
PL.886	PL.885	ABC	#1/0 ACSR	7.47Y	124.5	0.02	0.51	42.68	19	911	293	95	0.14	0.0	0.650	0.028	10	3	2	188
PL.884	PL.886	ABC	#1/0 ACSR	7.47Y	124.5	0.01	0.53	42.20	18	900	290	95	0.08	0.0	0.667	0.017	0	0	0	186
PL.216	PL.884	ABC	#1/0 ACSR	7.47Y	124.4	0.04	0.57	41.62	18	888	286	95	0.23	0.0	0.718	0.051	15	5	2	183
PL.1107	PL.216	C	#4 ACSR	7.47Y	124.4	0.00	0.57	2.48	2	18	6	95	0.00	0.0	0.723	0.005	0	0	0	3
PD.78	PL.1107	C	40QA	7.47Y	124.4	0.00	0.57	2.48	6	18	6	95	0.00	0.0	0.723	0.005	0	0	0	3
PL.1108	PD.78	C	#4 ACSR	7.47Y	124.4	0.00	0.57	2.48	2	18	6	95	0.00	0.0	0.774	0.052	18	6	3	3
PL.217	PL.216	ABC	#1/0 ACSR	7.46Y	124.4	0.03	0.60	40.11	17	855	275	95	0.18	0.0	0.760	0.042	7	2	1	178
PL.1209	PL.217	C	6 A (CWC)	7.46Y	124.4	0.00	0.60	4.07	3	29	9	96	0.00	0.0	0.764	0.005	0	0	0	5
PD.134	PL.1209	C	40QA	7.46Y	124.4	0.00	0.60	4.07	10	29	9	96	0.00	0.0	0.764	0.005	0	0	0	5
PL.1210	PD.134	C	6 A (CWC)	7.46Y	124.4	0.00	0.60	4.07	3	29	9	96	0.00	0.0	0.792	0.028	29	9	5	5
PL.218	PL.217	ABC	#1/0 ACSR	7.46Y	124.3	0.10	0.69	37.67	16	803	258	95	0.53	0.1	0.900	0.140	9	3	2	167
PL.219	PL.218	B	8 A (CWC)	7.46Y	124.3	0.00	0.69	1.17	1	8	3	94	0.00	0.0	0.918	0.018	8	3	1	1
PL.878	PL.218	ABC	#1/0 ACSR	7.46Y	124.3	0.05	0.74	36.86	16	785	252	95	0.26	0.0	0.972	0.072	3	1	1	164
PL.1265	PL.878	B	6 A (CWC)	7.46Y	124.3	0.00	0.74	14.43	10	102	33	95	0.00	0.0	0.975	0.003	0	0	0	16
PD.146	PL.1265	B	50H	7.46Y	124.3	0.00	0.74	14.43	29	102	33	95	0.00	0.0	0.975	0.003	0	0	0	16
PL.1266	PD.146	B	6 A (CWC)	7.45Y	124.2	0.01	0.75	14.43	10	102	33	95	0.01	0.0	0.990	0.015	0	0	0	16
PL.221	PL.1266	B	6 A (CWC)	7.45Y	124.2	0.02	0.77	14.43	10	102	33	95	0.01	0.0	1.015	0.025	12	4	1	16
PL.222	PL.221	B	6 A (CWC)	7.45Y	124.2	0.03	0.80	12.73	9	90	29	95	0.02	0.0	1.076	0.062	20	7	3	15
PL.223	PL.222	B	6 A (CWC)	7.45Y	124.2	0.01	0.81	9.85	7	70	22	95	0.01	0.0	1.104	0.028	4	1	1	12
PL.876	PL.223	B	#4 ACSR	7.44Y	124.1	0.12	0.93	9.33	7	66	21	95	0.06	0.1	1.403	0.299	6	2	2	11
PL.224	PL.876	B	#4 ACSR	7.44Y	124.1	0.00	0.93	1.82	1	13	4	96	0.00	0.0	1.438	0.034	13	4	1	1

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

Balanced Voltage Drop Report
Source: Big Creek

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.225	PL.876	B	#4 ACSR	7.44Y	124.0	0.03	0.97	6.63	5	47	15	95	0.01	0.0	1.515	0.112	0	0	0	8
PL.950	PL.225	B	#4 ACSR	7.44Y	124.0	0.02	0.98	3.39	3	24	8	95	0.00	0.0	1.631	0.116	0	0	1	5
PL.227	PL.950	B	#4 ACSR	7.44Y	124.0	0.01	0.99	3.33	3	24	8	95	0.00	0.0	1.679	0.049	1	0	1	4
PL.873	PL.227	B	#4 ACSR	7.44Y	124.0	0.02	1.01	3.24	2	23	7	96	0.00	0.0	1.822	0.142	0	0	1	3
PL.228	PL.873	B	#2 ACSR	7.44Y	124.0	0.00	1.02	3.21	2	23	7	96	0.00	0.0	1.917	0.095	23	7	2	2
PL.948	PL.225	B	#4 ACSR	7.44Y	124.0	0.01	0.97	3.24	2	23	7	96	0.00	0.0	1.594	0.080	14	5	2	3
PL.946	PL.948	B	#4 ACSR	7.44Y	124.0	0.00	0.98	1.20	1	8	3	94	0.00	0.0	1.650	0.055	0	0	0	1
PL.226	PL.946	B	#2 ACSR	7.44Y	124.0	0.00	0.98	1.20	1	8	3	94	0.00	0.0	1.702	0.052	8	3	1	1
PL.897	PL.878	ABC	#1/0 ACSR	7.45Y	124.2	0.02	0.76	31.89	14	679	218	95	0.10	0.0	1.010	0.038	28	9	7	147
PL.898	PL.897	ABC	#1/0 ACSR	7.45Y	124.2	0.02	0.78	30.56	13	651	209	95	0.07	0.0	1.039	0.030	0	0	0	140
PL.258	PL.898	ABC	#1/0 ACSR	7.45Y	124.2	0.02	0.80	27.72	12	590	190	95	0.08	0.0	1.078	0.039	0	0	0	131
PL.1380	PL.258	ABC	#1/0 ACSR	7.45Y	124.2	0.02	0.82	27.72	12	590	190	95	0.08	0.0	1.119	0.041	0	0	1	131
PL.229	PL.1380	A	6 A (CWC)	7.45Y	124.2	0.00	0.82	2.01	1	14	5	94	0.00	0.0	1.192	0.073	14	5	2	2
PL.1215	PL.1380	ABC	#1/0 ACSR	7.45Y	124.2	0.00	0.82	19.45	8	414	133	95	0.00	0.0	1.124	0.004	0	0	0	97
PL.1216	PL.1215	ABC	#1/0 ACSR	7.45Y	124.1	0.03	0.86	19.45	8	414	133	95	0.09	0.0	1.217	0.094	5	2	1	97
PL.815	PL.1216	ABC	#1/0 ACSR	7.45Y	124.1	0.02	0.87	19.20	8	408	131	95	0.05	0.0	1.266	0.048	0	0	1	96
PL.816	PL.815	ABC	#1/0 ACSR	7.44Y	124.0	0.10	0.97	19.17	8	408	131	95	0.27	0.1	1.539	0.273	2	1	1	95
PL.811	PL.816	ABC	#1/0 ACSR	7.44Y	124.0	0.06	1.03	19.09	8	406	130	95	0.16	0.0	1.707	0.168	0	0	0	94
PL.809	PL.811	ABC	#1/0 ACSR	7.44Y	123.9	0.02	1.05	19.09	8	406	130	95	0.07	0.0	1.777	0.070	0	0	1	94
PL.807	PL.809	ABC	#1/0 ACSR	7.44Y	123.9	0.02	1.07	18.97	8	403	129	95	0.06	0.0	1.836	0.059	0	0	1	91
PL.808	PL.807	ABC	#1/0 ACSR	7.43Y	123.9	0.02	1.09	18.97	8	403	129	95	0.06	0.0	1.896	0.060	9	3	5	90
PL.806	PL.808	ABC	#1/0 ACSR	7.43Y	123.9	0.02	1.11	18.53	8	394	126	95	0.05	0.0	1.959	0.063	21	7	6	85
PL.805	PL.806	ABC	#1/0 ACSR	7.43Y	123.9	0.02	1.14	17.54	8	372	119	95	0.06	0.0	2.036	0.077	19	6	5	79
PL.796	PL.805	ABC	#1/0 ACSR	7.43Y	123.8	0.02	1.16	11.29	5	240	77	95	0.03	0.0	2.132	0.096	4	1	2	52
PL.795	PL.796	ABC	#1/0 ACSR	7.43Y	123.8	0.03	1.19	11.11	5	236	76	95	0.05	0.0	2.288	0.157	7	2	2	50
PL.857	PL.795	ABC	#1/0 ACSR	7.43Y	123.8	0.01	1.20	10.79	5	229	74	95	0.02	0.0	2.349	0.061	6	2	2	48
PL.858	PL.857	ABC	#1/0 ACSR	7.43Y	123.8	0.03	1.23	10.53	5	223	72	95	0.05	0.0	2.502	0.153	0	0	0	46
PL.160	PL.858	ABC	#1/0 ACSR	7.43Y	123.8	0.00	1.23	1.26	1	27	9	95	0.00	0.0	2.551	0.049	0	0	0	4
PL.1091	PL.160	B	6 A (CWC)	7.43Y	123.8	0.00	1.23	3.79	3	27	9	95	0.00	0.0	2.556	0.005	0	0	0	4
PD.71	PL.1091	B	40QA	7.43Y	123.8	0.00	1.23	3.79	9	27	9	95	0.00	0.0	2.556	0.005	0	0	0	4
PL.1092	PD.71	B	6 A (CWC)	7.43Y	123.8	0.01	1.24	3.79	3	27	9	95	0.00	0.0	2.617	0.061	7	2	2	4

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Balanced Voltage Drop Report
Source: Big Creek

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.861	PL.1092	B	6 A (CWC)	7.43Y	123.8	0.00	1.25	2.84	2	20	6	96	0.00	0.0	2.680	0.062	20	6	2	2
PL.1269	PL.858	C	6 A (CWC)	7.43Y	123.8	0.00	1.24	27.81	20	197	63	95	0.01	0.0	2.505	0.003	0	0	0	42
C PD.148	PL.1269	C	35L	7.43Y	123.8	0.00	1.24	27.81	79	197	63	95	0.00	0.0	2.505	0.003	0	0	0	42 C
PL.1270	PD.148	C	6 A (CWC)	7.42Y	123.7	0.11	1.34	27.81	20	197	63	95	0.16	0.1	2.589	0.084	0	0	1	42
PL.847	PL.1270	C	6 A (CWC)	7.41Y	123.4	0.23	1.58	27.81	20	196	63	95	0.34	0.2	2.771	0.182	2	1	1	41
PL.850	PL.847	C	6 A (CWC)	7.40Y	123.3	0.11	1.68	27.54	20	194	62	95	0.15	0.1	2.854	0.084	1	0	2	40
PL.151	PL.850	C	6 A (CWC)	7.40Y	123.3	0.05	1.73	27.44	20	193	62	95	0.06	0.0	2.893	0.039	27	9	3	38
PL.866	PL.151	C	6 A (CWC)	7.40Y	123.3	0.01	1.74	5.32	4	38	12	95	0.00	0.0	2.937	0.044	20	6	3	6
PL.867	PL.866	C	6 A (CWC)	7.40Y	123.3	0.01	1.75	2.54	2	18	6	95	0.00	0.0	3.112	0.175	18	6	2	3
PL.149	PL.867	C	#2 ACSR	7.40Y	123.3	0.00	1.75	0.06	0	0	0	100	0.00	0.0	3.169	0.057	0	0	1	1
PL.852	PL.151	C	6 A (CWC)	7.39Y	123.2	0.07	1.80	18.25	13	129	41	95	0.07	0.1	2.984	0.091	6	2	2	29
PL.853	PL.852	C	6 A (CWC)	7.39Y	123.2	0.02	1.83	17.34	12	122	39	95	0.02	0.0	3.012	0.028	6	2	2	27
PL.864	PL.853	C	6 A (CWC)	7.39Y	123.1	0.03	1.85	16.50	12	116	37	95	0.02	0.0	3.051	0.039	8	2	3	25
PL.865	PL.864	C	6 A (CWC)	7.39Y	123.1	0.05	1.91	15.39	11	108	35	95	0.04	0.0	3.130	0.079	9	3	4	22
PL.152	PL.865	C	6 A (CWC)	7.39Y	123.1	0.00	1.91	0.00	0	0	0	100	0.00	0.0	3.175	0.045	0	0	0	0
PL.941	PL.865	C	6 A (CWC)	7.38Y	123.0	0.04	1.95	14.05	10	99	32	95	0.03	0.0	3.199	0.068	9	3	2	18
PL.854	PL.941	C	#4 ACSR	7.38Y	123.0	0.00	1.95	1.69	1	12	4	95	0.00	0.0	3.258	0.059	12	4	2	2
PL.856	PL.941	C	6 A (CWC)	7.38Y	123.0	0.04	1.99	11.02	8	77	25	95	0.02	0.0	3.295	0.096	34	11	5	14
PL.862	PL.856	C	6 A (CWC)	7.38Y	123.0	0.03	2.02	6.24	4	44	14	95	0.01	0.0	3.418	0.123	20	6	6	9
PL.863	PL.862	C	6 A (CWC)	7.38Y	123.0	0.01	2.03	3.43	2	24	8	95	0.00	0.0	3.505	0.087	9	3	2	3
PL.943	PL.863	C	6 A (CWC)	7.38Y	123.0	0.00	2.03	2.11	2	15	5	95	0.00	0.0	3.553	0.048	15	5	1	1
PL.1207	PL.805	C	#1/0 ACSR	7.43Y	123.9	0.00	1.14	14.52	6	103	33	95	0.00	0.0	2.041	0.005	0	0	0	20
PD.132	PL.1207	C	40QA	7.43Y	123.9	0.00	1.14	14.52	36	103	33	95	0.00	0.0	2.041	0.005	0	0	0	20
PL.1208	PD.132	C	#1/0 ACSR	7.43Y	123.8	0.02	1.16	14.52	6	103	33	95	0.01	0.0	2.092	0.051	12	4	2	20
PL.153	PL.1208	C	#4 ACSR	7.43Y	123.8	0.00	1.16	0.21	0	1	0	100	0.00	0.0	2.135	0.043	1	0	1	1
PL.154	PL.1208	C	#6 HdCu -	7.43Y	123.8	0.03	1.18	12.60	10	89	29	95	0.02	0.0	2.136	0.045	6	2	1	17
PL.803	PL.154	C	#4 ACSR	7.43Y	123.8	0.02	1.20	11.71	9	83	26	95	0.01	0.0	2.173	0.037	30	10	5	16
PL.804	PL.803	C	#4 ACSR	7.43Y	123.8	0.01	1.21	7.50	6	53	17	95	0.01	0.0	2.218	0.044	9	3	3	11
PL.802	PL.804	C	#4 ACSR	7.43Y	123.8	0.02	1.23	6.27	5	44	14	95	0.00	0.0	2.280	0.062	11	4	1	8
PL.4510	PL.802	C	#4 ACSR	7.43Y	123.8	0.00	1.23	4.69	4	33	11	95	0.00	0.0	2.292	0.012	14	5	2	7
PL.4511	PL.4510	C	#4 ACSR	7.43Y	123.8	0.00	1.23	2.66	2	19	6	95	0.00	0.0	2.324	0.032	3	1	2	5

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Balanced Voltage Drop Report
Source: Big Creek

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.801	PL.4511	C	#4 ACSR	7.43Y	123.8	0.00	1.23	2.19	2	15	5	95	0.00	0.0	2.345	0.021	4	1	1	3
PL.799	PL.801	C	#4 ACSR	7.43Y	123.8	0.01	1.24	1.64	1	12	4	95	0.00	0.0	2.428	0.083	0	0	0	2
PL.800	PL.799	C	#4 ACSR	7.43Y	123.8	0.00	1.24	1.64	1	12	4	95	0.00	0.0	2.462	0.034	2	1	1	2
PL.798	PL.800	C	#4 ACSR	7.43Y	123.8	0.00	1.25	1.36	1	10	3	96	0.00	0.0	2.495	0.033	0	0	0	1
PL.155	PL.798	C	#4 ACSR	7.43Y	123.8	0.00	1.25	1.36	1	10	3	96	0.00	0.0	2.543	0.048	10	3	1	1
PL.1205	PL.805	C	#1/0 ACSR	7.43Y	123.9	0.00	1.14	1.52	1	11	3	96	0.00	0.0	2.041	0.005	0	0	0	2
PD.131	PL.1205	C	40QA	7.43Y	123.9	0.00	1.14	1.52	4	11	3	96	0.00	0.0	2.041	0.005	0	0	0	2
PL.1206	PD.131	C	#1/0 ACSR	7.43Y	123.9	0.00	1.14	1.52	1	11	3	96	0.00	0.0	2.058	0.017	11	3	2	2
PL.1093	PL.809	A	6 A (CWC)	7.44Y	123.9	0.00	1.05	0.36	0	3	1	95	0.00	0.0	1.782	0.005	0	0	0	2
PD.72	PL.1093	A	40QA	7.44Y	123.9	0.00	1.05	0.36	1	3	1	95	0.00	0.0	1.782	0.005	0	0	0	2
PL.1094	PD.72	A	6 A (CWC)	7.44Y	123.9	0.00	1.05	0.36	0	3	1	95	0.00	0.0	1.795	0.013	3	1	2	2
PL.1213	PL.1380	C	6 A (CWC)	7.45Y	124.2	0.00	0.82	3.86	3	27	9	95	0.00	0.0	1.124	0.004	0	0	0	4
PD.136	PL.1213	C	40QA	7.45Y	124.2	0.00	0.82	3.86	10	27	9	95	0.00	0.0	1.124	0.004	0	0	0	4
PL.1214	PD.136	C	6 A (CWC)	7.45Y	124.2	0.00	0.82	3.86	3	27	9	95	0.00	0.0	1.139	0.016	0	0	0	4
PL.895	PL.1214	C	#4 ACSR	7.45Y	124.2	0.00	0.83	3.86	3	27	9	95	0.00	0.0	1.154	0.014	11	4	2	4
PL.896	PL.895	C	#4 ACSR	7.45Y	124.2	0.00	0.83	2.28	2	16	5	95	0.00	0.0	1.180	0.026	16	5	2	2
PL.1109	PL.1380	A	6 A (CWC)	7.45Y	124.2	0.00	0.82	18.95	14	134	43	95	0.00	0.0	1.124	0.005	0	0	0	27
PD.79	PL.1109	A	65QA	7.45Y	124.2	0.00	0.82	18.95	0	134	43	95	0.00	0.0	1.124	0.005	0	0	0	27
PL.1110	PD.79	A	6 A (CWC)	7.45Y	124.1	0.03	0.85	18.95	14	134	43	95	0.03	0.0	1.157	0.034	16	5	2	27
PL.817	PL.1110	A	6 A (CWC)	7.45Y	124.1	0.02	0.87	16.70	12	118	38	95	0.01	0.0	1.180	0.023	12	4	4	25
PL.230	PL.817	A	6 A (CWC)	7.45Y	124.1	0.04	0.91	15.02	11	107	34	95	0.03	0.0	1.241	0.061	7	2	2	21
PL.231	PL.230	A	#4 ACSR	7.45Y	124.1	0.00	0.91	1.13	1	8	3	94	0.00	0.0	1.275	0.033	8	3	2	2
PL.232	PL.230	A	#6 HdCu -	7.44Y	124.1	0.04	0.95	10.31	8	73	23	95	0.02	0.0	1.320	0.078	0	0	0	11
PL.236	PL.232	A	#6 HdCu -	7.44Y	124.0	0.02	0.96	10.31	8	73	23	95	0.01	0.0	1.360	0.040	30	10	4	11
PL.237	PL.236	A	#6 HdCu -	7.44Y	124.0	0.01	0.97	6.04	5	43	14	95	0.00	0.0	1.381	0.021	12	4	2	7
PL.813	PL.237	A	#4 ACSR	7.44Y	124.0	0.00	0.97	4.40	3	31	10	95	0.00	0.0	1.399	0.019	22	7	4	5
PL.814	PL.813	A	#4 ACSR	7.44Y	124.0	0.00	0.97	1.32	1	9	3	95	0.00	0.0	1.412	0.013	9	3	1	1
PL.936	PL.814	A	#4 ACSR	7.44Y	124.0	0.00	0.97	0.00	0	0	0	100	0.00	0.0	1.485	0.073	0	0	0	0
PL.233	PL.230	A	6 A (CWC)	7.45Y	124.1	0.00	0.91	2.62	2	19	6	95	0.00	0.0	1.281	0.039	9	3	4	6
PL.234	PL.233	A	6 A (CWC)	7.45Y	124.1	0.00	0.92	1.29	1	9	3	95	0.00	0.0	1.342	0.061	9	3	2	2
PL.1217	PL.898	B	6 A (CWC)	7.45Y	124.2	0.00	0.78	6.22	4	44	14	95	0.00	0.0	1.044	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: Big Creek

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.137	PL.1217	B	40QA	7.45Y	124.2	0.00	0.78	6.22	16	44	14	95	0.00	0.0	1.044	0.005	0	0	0	6
PL.1218	PD.137	B	6 A (CWC)	7.45Y	124.2	0.00	0.78	6.22	4	44	14	95	0.00	0.0	1.057	0.013	11	3	2	6
PL.239	PL.1218	B	#4 ACSR	7.45Y	124.2	0.01	0.79	4.69	4	33	11	95	0.00	0.0	1.099	0.042	0	0	0	4
PL.240	PL.239	B	#4 ACSR	7.45Y	124.2	0.00	0.79	2.44	2	17	6	94	0.00	0.0	1.133	0.034	17	6	3	3
PL.241	PL.239	B	#2 ACSR	7.45Y	124.2	0.00	0.79	2.24	1	16	5	95	0.00	0.0	1.127	0.029	16	5	1	1
PL.1111	PL.898	C	6 A (CWC)	7.45Y	124.2	0.00	0.78	2.31	2	16	5	95	0.00	0.0	1.044	0.004	0	0	0	3
PD.80	PL.1111	C	40QA	7.45Y	124.2	0.00	0.78	2.31	6	16	5	95	0.00	0.0	1.044	0.004	0	0	0	3
PL.1112	PD.80	C	6 A (CWC)	7.45Y	124.2	0.00	0.78	2.31	2	16	5	95	0.00	0.0	1.067	0.023	16	5	3	3
PL.1211	PL.217	A	6 A (CWC)	7.46Y	124.4	0.00	0.60	2.21	2	16	5	95	0.00	0.0	0.764	0.005	0	0	0	5
PD.135	PL.1211	A	40QA	7.46Y	124.4	0.00	0.60	2.21	6	16	5	95	0.00	0.0	0.764	0.005	0	0	0	5
PL.1212	PD.135	A	6 A (CWC)	7.46Y	124.4	0.00	0.60	2.21	2	16	5	95	0.00	0.0	0.810	0.046	16	5	5	5
PL.882	PL.884	C	#2 ACSR	7.47Y	124.5	0.00	0.53	1.75	1	12	4	95	0.00	0.0	0.705	0.038	12	4	3	3
PL.215	PL.257	A	6 A (CWC)	7.47Y	124.5	0.00	0.46	0.00	0	0	0	100	0.00	0.0	0.620	0.043	0	0	0	0
PL.1099	PL.64937	A	#4 ACSR	7.50Y	124.9	0.00	0.07	3.69	3	26	8	96	0.00	0.0	0.099	0.005	0	0	0	6
PD.74	PL.1099	A	20T	7.50Y	124.9	0.00	0.07	3.69	0	26	8	96	0.00	0.0	0.099	0.005	0	0	0	6
PL.1100	PD.74	A	#4 ACSR	7.50Y	124.9	0.01	0.08	3.69	3	26	8	96	0.00	0.0	0.152	0.052	10	3	4	6
PL.819	PL.1100	A	#4 ACSR	7.50Y	124.9	0.00	0.08	2.31	2	16	5	95	0.00	0.0	0.188	0.036	3	1	1	2
PL.820	PL.819	A	#4 ACSR	7.50Y	124.9	0.00	0.08	1.82	1	13	4	96	0.00	0.0	0.221	0.033	13	4	1	1
PL.64976	Big Creek	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	29.42	6	630	204	95	0.01	0.0	0.007	0.007	0	0	0	170
PL.64977	PL.64976	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	29.42	6	630	204	95	0.00	0.0	0.014	0.007	0	0	0	170

----- Feeder No. 1 (Jacks Creek F1) Beginning with Device PD.9986 -----

PD.9986	PL.64977	ABC	480VWE	7.50Y	125.0	0.00	0.00	29.42	0	630	204	95	0.00	0.0	0.014	0.007	0	0	0	170
PL.64948	PD.9986	ABC	336 MCM AC	7.50Y	125.0	0.00	0.01	29.42	6	630	204	95	0.01	0.0	0.024	0.010	0	0	0	170
PL.64953	PL.64948	ABC	336 MCM AC	7.50Y	125.0	0.04	0.04	29.42	6	630	204	95	0.12	0.0	0.191	0.167	0	0	0	170
PL.28275	PL.64953	ABC	336 MCM AC	7.50Y	124.9	0.03	0.08	29.42	6	630	203	95	0.10	0.0	0.328	0.137	0	0	0	170
PL.27931	PL.28275	ABC	336 MCM AC	7.49Y	124.9	0.02	0.10	29.42	6	630	203	95	0.06	0.0	0.414	0.086	0	0	0	170
PL.27933	PL.27931	ABC	336 MCM AC	7.49Y	124.9	0.01	0.10	29.22	6	625	201	95	0.02	0.0	0.437	0.023	0	0	0	169
PL.27934	PL.27933	ABC	336 MCM AC	7.49Y	124.9	0.02	0.12	29.22	6	625	201	95	0.06	0.0	0.520	0.083	0	0	0	169
PL.27936	PL.27934	ABC	336 MCM AC	7.49Y	124.9	0.01	0.13	29.22	6	625	201	95	0.03	0.0	0.557	0.037	0	0	0	169

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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.11234	PL.27936	C	#4 ACSR	7.49Y	124.9	0.00	0.13	0.03	0	0	0	100	0.00	0.0	0.612	0.055	0	0	1	1
PL.27938	PL.27936	A	#4 ACSR	7.49Y	124.9	0.01	0.13	4.43	3	32	10	95	0.00	0.0	0.592	0.035	1	0	1	4
PL.11233	PL.27938	A	#4 ACSR	7.49Y	124.9	0.01	0.14	4.24	3	30	10	95	0.00	0.0	0.630	0.038	0	0	0	3
PL.10918	PL.11233	A	#4 ACSR	7.49Y	124.9	0.01	0.15	4.24	3	30	10	95	0.00	0.0	0.686	0.056	30	10	3	3
PL.27940	PL.27936	ABC	336 MCM AC	7.49Y	124.9	0.02	0.15	27.73	5	593	191	95	0.06	0.0	0.643	0.086	0	0	0	164
PL.27941	PL.27940	ABC	336 MCM AC	7.49Y	124.8	0.01	0.16	22.18	4	475	153	95	0.03	0.0	0.712	0.069	2	1	1	157
PL.27945	PL.27941	ABC	336 MCM AC	7.49Y	124.8	0.02	0.18	22.11	4	473	152	95	0.05	0.0	0.823	0.111	0	0	0	156
PL.27946	PL.27945	ABC	336 MCM AC	7.49Y	124.8	0.02	0.20	22.11	4	473	152	95	0.06	0.0	0.962	0.139	0	0	0	156
PL.27957	PL.27946	ABC	336 MCM AC	7.49Y	124.8	0.02	0.22	22.11	4	473	152	95	0.04	0.0	1.061	0.100	0	0	0	156
PL.27959	PL.27957	ABC	336 MCM AC	7.49Y	124.8	0.01	0.23	22.11	4	473	152	95	0.03	0.0	1.122	0.061	2	1	1	156
PL.27960	PL.27959	ABC	336 MCM AC	7.49Y	124.8	0.01	0.24	22.01	4	471	151	95	0.02	0.0	1.178	0.055	3	1	2	155
PL.27962	PL.27960	ABC	336 MCM AC	7.49Y	124.8	0.01	0.25	21.86	4	467	150	95	0.02	0.0	1.230	0.053	5	2	1	153
PL.27963	PL.27962	ABC	336 MCM AC	7.48Y	124.7	0.01	0.26	21.60	4	462	148	95	0.02	0.0	1.292	0.062	0	0	0	152
PL.27997	PL.27963	ABC	336 MCM AC	7.48Y	124.7	0.01	0.27	21.60	4	462	148	95	0.02	0.0	1.350	0.058	6	2	1	152
PL.27998	PL.27997	ABC	336 MCM AC	7.48Y	124.7	0.02	0.29	21.31	4	455	146	95	0.05	0.0	1.477	0.128	0	0	0	151
PL.11335	PL.27998	C	6 A (CWC)	7.48Y	124.7	0.00	0.29	16.75	12	119	38	95	0.00	0.0	1.482	0.005	0	0	0	28
PD.2014	PL.11335	C	12T	7.48Y	124.7	0.00	0.29	16.75	0	119	38	95	0.00	0.0	1.482	0.005	0	0	0	28
PL.11336	PD.2014	C	6 A (CWC)	7.48Y	124.6	0.09	0.38	16.75	12	119	38	95	0.08	0.1	1.599	0.117	0	0	0	28
PL.10919	PL.11336	C	6 A (CWC)	7.48Y	124.6	0.01	0.39	2.79	2	20	6	96	0.00	0.0	1.679	0.080	9	3	1	5
PL.10920	PL.10919	C	#4 ACSR	7.48Y	124.6	0.00	0.39	0.03	0	0	0	100	0.00	0.0	1.742	0.063	0	0	1	1
PL.11226	PL.10919	C	6 A (CWC)	7.48Y	124.6	0.01	0.40	1.53	1	11	3	96	0.00	0.0	1.766	0.087	3	1	2	3
PL.11227	PL.11226	C	6 A (CWC)	7.48Y	124.6	0.00	0.40	1.12	1	8	3	94	0.00	0.0	1.797	0.031	8	3	1	1
PL.11200	PL.11336	C	6 A (CWC)	7.48Y	124.6	0.02	0.40	13.96	10	99	32	95	0.02	0.0	1.635	0.036	11	3	1	23
PL.11201	PL.11200	C	6 A (CWC)	7.47Y	124.6	0.03	0.44	12.46	9	89	28	95	0.02	0.0	1.690	0.055	0	0	0	22
PL.11062	PL.11201	C	6 A (CWC)	7.47Y	124.5	0.03	0.46	12.43	9	88	28	95	0.02	0.0	1.740	0.050	2	1	2	20
PL.11202	PL.11062	C	6 A (CWC)	7.47Y	124.5	0.02	0.48	12.11	9	86	28	95	0.01	0.0	1.774	0.034	1	0	1	18
PL.11203	PL.11202	C	6 A (CWC)	7.47Y	124.5	0.02	0.50	11.99	9	85	27	95	0.01	0.0	1.812	0.038	16	5	3	17
PL.11063	PL.11203	C	6 A (CWC)	7.47Y	124.5	0.01	0.52	8.71	6	62	20	95	0.01	0.0	1.851	0.039	9	3	3	13
PL.10927	PL.11063	C	6 A (CWC)	7.47Y	124.5	0.01	0.53	2.35	2	17	5	96	0.00	0.0	1.948	0.097	0	0	0	4
PL.10575	PL.10927	C	6 A (CWC)	7.47Y	124.5	0.01	0.54	2.35	2	17	5	96	0.00	0.0	2.054	0.106	0	0	0	4
PL.10939	PL.10575	C	6 A (CWC)	7.47Y	124.5	0.01	0.55	2.35	2	17	5	96	0.00	0.0	2.108	0.054	0	0	0	4

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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.10929	PL.10939	C	#4 ACSR	7.47Y	124.4	0.01	0.56	2.35	2	17	5	96	0.00	0.0	2.204	0.095	0	0	0	4
PL.10576	PL.10929	C	#4 ACSR	7.47Y	124.4	0.01	0.56	2.35	2	17	5	96	0.00	0.0	2.290	0.086	0	0	0	4
PL.10577	PL.10576	C	#4 ACSR	7.47Y	124.4	0.01	0.58	2.35	2	17	5	96	0.00	0.0	2.422	0.132	0	0	0	4
PL.11005	PL.10577	C	#4 ACSR	7.47Y	124.4	0.00	0.58	2.35	2	17	5	96	0.00	0.0	2.481	0.059	17	5	4	4
PL.11198	PL.11063	C	6 A (CWC)	7.47Y	124.5	0.01	0.53	5.08	4	36	12	95	0.00	0.0	1.912	0.061	13	4	1	6
PL.11199	PL.11198	C	6 A (CWC)	7.47Y	124.5	0.01	0.54	3.29	2	23	7	96	0.00	0.0	1.978	0.066	12	4	1	5
PL.11197	PL.11199	C	6 A (CWC)	7.47Y	124.5	0.00	0.54	1.54	1	11	4	94	0.00	0.0	2.024	0.046	0	0	0	4
PL.11195	PL.11197	C	6 A (CWC)	7.47Y	124.5	0.00	0.54	1.54	1	11	4	94	0.00	0.0	2.066	0.042	7	2	2	4
PL.11196	PL.11195	C	6 A (CWC)	7.47Y	124.5	0.00	0.54	0.61	0	4	1	97	0.00	0.0	2.120	0.053	4	1	2	2
PL.10926	PL.11203	C	#4 ACSR	7.47Y	124.5	0.00	0.50	1.03	1	7	2	96	0.00	0.0	1.861	0.049	7	2	1	1
PL.10925	PL.11062	C	#2 ACSR	7.47Y	124.5	0.00	0.46	0.00	0	0	0	100	0.00	0.0	1.801	0.061	0	0	0	0
PL.10924	PL.11201	C	6 A (CWC)	7.47Y	124.6	0.00	0.44	0.03	0	0	0	100	0.00	0.0	1.759	0.069	0	0	2	2
PL.27968	PL.27998	ABC	336 MCM AC	7.48Y	124.7	0.02	0.30	15.73	3	336	108	95	0.03	0.0	1.604	0.126	2	1	1	123
PL.27969	PL.27968	ABC	336 MCM AC	7.48Y	124.7	0.00	0.31	15.63	3	334	107	95	0.01	0.0	1.644	0.040	0	0	0	122
PL.27972	PL.27969	C	#1/0 ACSR	7.48Y	124.7	0.00	0.31	0.15	0	1	0	100	0.00	0.0	1.647	0.003	0	0	0	1
PD.3864	PL.27972	C	12T	7.48Y	124.7	0.00	0.31	0.15	0	1	0	100	0.00	0.0	1.647	0.003	0	0	0	1
PL.27973	PD.3864	C	#1/0 ACSR	7.48Y	124.7	0.00	0.31	0.15	0	1	0	100	0.00	0.0	1.663	0.016	1	0	1	1
PL.11338	PL.27973	C	#4 ACSR	7.48Y	124.7	0.00	0.31	0.00	0	0	0	100	0.00	0.0	1.681	0.018	0	0	0	0
PL.27993	PL.27969	ABC	336 MCM AC	7.48Y	124.7	0.00	0.31	15.58	3	333	107	95	0.01	0.0	1.679	0.035	0	0	0	121
PL.27994	PL.27993	ABC	336 MCM AC	7.48Y	124.7	0.01	0.32	13.83	3	296	95	95	0.01	0.0	1.744	0.065	0	0	0	115
PL.27978	PL.27994	C	#4 ACSR	7.48Y	124.7	0.00	0.32	2.32	2	17	5	96	0.00	0.0	1.748	0.004	0	0	0	6
PD.3866	PL.27978	C	12T	7.48Y	124.7	0.00	0.32	2.32	0	17	5	96	0.00	0.0	1.748	0.004	0	0	0	6
PL.27979	PD.3866	C	#4 ACSR	7.48Y	124.7	0.01	0.33	2.32	2	17	5	96	0.00	0.0	1.808	0.060	2	1	1	6
PL.10915	PL.27979	C	#4 ACSR	7.48Y	124.7	0.01	0.33	2.03	2	14	5	94	0.00	0.0	1.881	0.073	1	0	1	5
PL.10917	PL.10915	C	#2 ACSR	7.48Y	124.7	0.00	0.33	0.81	0	6	2	95	0.00	0.0	1.906	0.025	2	1	1	3
PL.10914	PL.10917	C	#2 ACSR	7.48Y	124.7	0.00	0.33	0.56	0	4	1	97	0.00	0.0	2.026	0.119	4	1	2	2
PL.10916	PL.10915	C	#2 ACSR	7.48Y	124.7	0.00	0.33	1.12	1	8	3	94	0.00	0.0	1.913	0.032	8	3	1	1
PL.27977	PL.27994	ABC	336 MCM AC	7.48Y	124.7	0.01	0.33	13.06	3	279	90	95	0.01	0.0	1.811	0.067	0	0	0	109
PL.27980	PL.27977	ABC	336 MCM AC	7.48Y	124.7	0.01	0.34	13.06	3	279	90	95	0.02	0.0	1.951	0.139	0	0	0	109
PL.27981	PL.27980	ABC	336 MCM AC	7.48Y	124.6	0.01	0.35	13.06	3	279	90	95	0.02	0.0	2.067	0.116	0	0	0	109
PL.27990	PL.27981	ABC	336 MCM AC	7.48Y	124.6	0.01	0.37	13.06	3	279	90	95	0.02	0.0	2.191	0.124	0	0	0	109

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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.27989	PL.27990	C	8 A (CWC)	7.48Y	124.6	0.00	0.37	0.14	0	1	0	100	0.00	0.0	2.195	0.004	0	0	0	2
PD.3869	PL.27989	C	20T	7.48Y	124.6	0.00	0.37	0.14	0	1	0	100	0.00	0.0	2.195	0.004	0	0	0	2
PL.27983	PD.3869	C	6 A (CWC)	7.48Y	124.6	0.00	0.37	0.14	0	1	0	100	0.00	0.0	2.288	0.093	0	0	0	2
PL.11342	PL.27983	C	6 A (CWC)	7.48Y	124.6	0.00	0.37	0.14	0	1	0	100	0.00	0.0	2.408	0.120	1	0	1	2
PL.11208	PL.11342	C	6 A (CWC)	7.48Y	124.6	0.00	0.37	0.07	0	0	0	100	0.00	0.0	2.483	0.076	0	0	1	1
PL.27991	PL.27990	ABC	336 MCM AC	7.48Y	124.6	0.01	0.37	12.38	2	264	85	95	0.01	0.0	2.254	0.062	0	0	0	104
PL.27987	PL.27991	ABC	336 MCM AC	7.48Y	124.6	0.02	0.39	12.38	2	264	85	95	0.02	0.0	2.424	0.170	0	0	0	104
PL.65727	PL.27987	ABC	336 MCM AC	7.48Y	124.6	0.01	0.40	12.38	2	264	85	95	0.01	0.0	2.501	0.077	0	0	0	104
PD.9578	PL.65727	ABC	70L	7.48Y	124.6	0.00	0.40	12.38	18	264	85	95	0.00	0.0	2.501	0.077	0	0	0	104
PL.65728	PD.9578	ABC	336 MCM AC	7.48Y	124.6	0.01	0.40	12.38	2	264	85	95	0.01	0.0	2.556	0.055	0	0	0	104
PL.11236	PL.65728	ABC	336 MCM AC	7.48Y	124.6	0.01	0.41	9.87	2	211	68	95	0.01	0.0	2.632	0.076	3	1	1	82
PL.11235	PL.11236	ABC	336 MCM AC	7.48Y	124.6	0.00	0.41	9.72	2	208	67	95	0.00	0.0	2.681	0.049	0	0	0	81
PL.11352	PL.11235	ABC	336 MCM AC	7.47Y	124.6	0.01	0.42	9.72	2	208	67	95	0.01	0.0	2.842	0.161	0	0	0	81
PL.11351	PL.11352	ABC	336 MCM AC	7.47Y	124.6	0.00	0.42	9.72	2	208	67	95	0.00	0.0	2.846	0.004	2	1	1	81
PL.10963	PL.11351	ABC	336 MCM AC	7.47Y	124.6	0.00	0.43	9.51	2	203	65	95	0.00	0.0	2.884	0.038	2	1	1	79
PL.10905	PL.10963	ABC	336 MCM AC	7.47Y	124.6	0.01	0.43	9.43	2	201	65	95	0.01	0.0	2.996	0.112	0	0	0	78
PL.10907	PL.10905	A	#4 ACSR	7.47Y	124.6	0.00	0.43	0.78	1	6	2	95	0.00	0.0	3.001	0.005	0	0	0	3
PD.2021	PL.10907	A	20T	7.47Y	124.6	0.00	0.43	0.78	0	6	2	95	0.00	0.0	3.001	0.005	0	0	0	3
PL.11055	PD.2021	A	#4 ACSR	7.47Y	124.6	0.00	0.43	0.33	0	2	1	89	0.00	0.0	3.010	0.009	0	0	0	1
PL.11056	PL.11055	A	#4 ACSR	7.47Y	124.6	0.00	0.43	0.33	0	2	1	89	0.00	0.0	3.010	0.000	0	0	0	1
PL.10906	PL.11056	A	#4 ACSR	7.47Y	124.6	0.00	0.43	0.33	0	2	1	89	0.00	0.0	3.087	0.077	2	1	1	1
PL.10962	PD.2021	A	#4 ACSR	7.47Y	124.6	0.00	0.43	0.45	0	3	1	95	0.00	0.0	3.022	0.021	3	1	2	2
PL.11057	PL.10905	ABC	336 MCM AC	7.47Y	124.6	0.00	0.43	9.17	2	196	63	95	0.00	0.0	3.001	0.004	0	0	0	75
PL.11225	PL.11057	ABC	336 MCM AC	7.47Y	124.6	0.01	0.44	9.17	2	196	63	95	0.01	0.0	3.106	0.105	4	1	2	75
PL.11224	PL.11225	ABC	336 MCM AC	7.47Y	124.6	0.01	0.45	9.00	2	192	62	95	0.01	0.0	3.187	0.081	0	0	0	73
PL.10566	PL.11224	ABC	336 MCM AC	7.47Y	124.5	0.01	0.45	9.00	2	192	62	95	0.01	0.0	3.280	0.093	0	0	0	73
PL.10565	PL.10566	ABC	336 MCM AC	7.47Y	124.5	0.01	0.46	9.00	2	192	62	95	0.01	0.0	3.404	0.124	0	0	0	73
PL.11213	PL.10565	ABC	336 MCM AC	7.47Y	124.5	0.01	0.47	9.00	2	192	62	95	0.01	0.0	3.520	0.116	4	1	4	73
PL.11212	PL.11213	ABC	336 MCM AC	7.47Y	124.5	0.00	0.47	8.79	2	188	60	95	0.00	0.0	3.561	0.041	0	0	0	69
PL.11345	PL.11212	A	#4 ACSR	7.47Y	124.5	0.00	0.47	1.04	1	7	2	96	0.00	0.0	3.566	0.005	0	0	0	2
PD.2018	PL.11345	A	20T	7.47Y	124.5	0.00	0.47	1.04	0	7	2	96	0.00	0.0	3.566	0.005	0	0	0	2

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Balanced Voltage Drop Report
Source: Big Creek

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.11346	PD.2018	A	#4 ACSR	7.47Y	124.5	0.00	0.47	1.04	1	7	2	96	0.00	0.0	3.595	0.029	6	2	1	2
PL.11211	PL.11346	A	#4 ACSR	7.47Y	124.5	0.00	0.47	0.19	0	1	0	100	0.00	0.0	3.648	0.053	1	0	1	1
PL.10961	PL.11212	ABC	336 MCM AC	7.47Y	124.5	0.00	0.48	8.44	2	180	58	95	0.00	0.0	3.624	0.063	0	0	0	67
PL.11347	PL.10961	A	#1/0 ACSR	7.47Y	124.5	0.00	0.48	1.29	1	9	3	95	0.00	0.0	3.629	0.005	0	0	0	3
PD.2019	PL.11347	A	20T	7.47Y	124.5	0.00	0.48	1.29	0	9	3	95	0.00	0.0	3.629	0.005	0	0	0	3
PL.11348	PD.2019	A	#1/0 ACSR	7.47Y	124.5	0.00	0.48	1.29	1	9	3	95	0.00	0.0	3.647	0.018	4	1	2	3
PL.11216	PL.11348	A	#1/0 ACSR	7.47Y	124.5	0.00	0.48	0.79	0	6	2	95	0.00	0.0	3.684	0.038	6	2	1	1
PL.11215	PL.10961	ABC	336 MCM AC	7.47Y	124.5	0.01	0.49	8.01	2	171	55	95	0.01	0.0	3.743	0.119	2	0	1	64
PL.11214	PL.11215	ABC	336 MCM AC	7.47Y	124.5	0.01	0.49	7.94	2	169	54	95	0.01	0.0	3.879	0.136	0	0	0	63
PL.10877	PL.11214	ABC	336 MCM AC	7.47Y	124.5	0.00	0.50	4.05	1	86	28	95	0.00	0.0	3.969	0.090	0	0	0	31
PL.10957	PL.10877	ABC	336 MCM AC	7.47Y	124.5	0.00	0.50	4.05	1	86	28	95	0.00	0.0	4.091	0.121	0	0	0	31
PL.10872	PL.10957	ABC	336 MCM AC	7.47Y	124.5	0.00	0.50	3.28	1	70	22	95	0.00	0.0	4.235	0.144	0	0	0	20
PL.10600	PL.10872	ABC	336 MCM AC	7.47Y	124.5	0.00	0.51	3.28	1	70	22	95	0.00	0.0	4.368	0.133	0	0	0	20
PL.11117	PL.10600	ABC	336 MCM AC	7.47Y	124.5	0.00	0.51	3.28	1	70	22	95	0.00	0.0	4.517	0.149	0	0	1	20
PL.11116	PL.11117	ABC	336 MCM AC	7.47Y	124.5	0.00	0.51	3.28	1	70	22	95	0.00	0.0	4.628	0.112	0	0	0	19
PL.11408	PL.11116	ABC	336 MCM AC	7.47Y	124.5	0.00	0.52	3.28	1	70	22	95	0.00	0.0	4.737	0.109	0	0	0	19
PD.2049	PL.11408	ABC	50L	7.47Y	124.5	0.00	0.52	3.28	7	70	22	95	0.00	0.0	4.737	0.109	0	0	0	19
PL.11407	PD.2049	ABC	336 MCM AC	7.47Y	124.5	0.00	0.52	3.28	1	70	22	95	0.00	0.0	4.787	0.050	0	0	0	19
PL.10871	PL.11407	ABC	336 MCM AC	7.47Y	124.5	0.00	0.52	3.28	1	70	22	95	0.00	0.0	4.954	0.167	0	0	0	19
PL.10870	PL.10871	ABC	336 MCM AC	7.47Y	124.5	0.00	0.53	3.28	1	70	22	95	0.00	0.0	5.107	0.153	0	0	0	19
PL.10869	PL.10870	ABC	336 MCM AC	7.47Y	124.5	0.00	0.53	3.28	1	70	22	95	0.00	0.0	5.280	0.173	0	0	0	19
PL.10868	PL.10869	ABC	336 MCM AC	7.47Y	124.5	0.00	0.53	3.28	1	70	22	95	0.00	0.0	5.392	0.112	0	0	0	19
PL.10867	PL.10868	ABC	336 MCM AC	7.47Y	124.5	0.00	0.54	3.28	1	70	22	95	0.00	0.0	5.538	0.146	0	0	0	19
PL.10866	PL.10867	ABC	336 MCM AC	7.47Y	124.5	0.00	0.54	3.28	1	70	22	95	0.00	0.0	5.703	0.165	0	0	0	19
PL.10956	PL.10866	ABC	336 MCM AC	7.47Y	124.5	0.00	0.54	3.28	1	70	22	95	0.00	0.0	5.826	0.122	0	0	0	19
PL.10599	PL.10956	ABC	336 MCM AC	7.47Y	124.5	0.00	0.55	2.52	0	54	17	95	0.00	0.0	5.932	0.107	0	0	0	13
PL.11109	PL.10599	B	#1/0 ACSR	7.47Y	124.4	0.01	0.56	7.55	3	54	17	95	0.00	0.0	6.020	0.087	7	2	1	13
PL.11367	PL.11109	B	#1/0 ACSR	7.47Y	124.4	0.00	0.56	6.56	3	47	15	95	0.00	0.0	6.024	0.005	0	0	0	12
PD.2030	PL.11367	B	40T	7.47Y	124.4	0.00	0.56	6.56	0	47	15	95	0.00	0.0	6.024	0.005	0	0	0	12
PL.11368	PD.2030	B	#1/0 ACSR	7.47Y	124.4	0.01	0.57	6.56	3	47	15	95	0.00	0.0	6.087	0.063	0	0	0	12
PL.11385	PL.11368	B	#2 ACSR	7.47Y	124.4	0.00	0.57	4.53	3	32	10	95	0.00	0.0	6.092	0.005	0	0	0	8

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Balanced Voltage Drop Report
Source: Big Creek

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.2038	PL.11385	B	25T	7.47Y	124.4	0.00	0.57	4.53	0	32	10	95	0.00	0.0	6.092	0.005	0	0	0	8
PL.11386	PD.2038	B	#2 ACSR	7.47Y	124.4	0.01	0.58	4.53	3	32	10	95	0.00	0.0	6.163	0.071	0	0	0	8
PL.11053	PL.11386	B	6 A (CWC)	7.46Y	124.4	0.01	0.60	3.30	2	23	8	94	0.00	0.0	6.262	0.100	3	1	2	7
PL.11054	PL.11053	B	6 A (CWC)	7.46Y	124.4	0.00	0.60	1.33	1	9	3	95	0.00	0.0	6.343	0.081	0	0	0	3
PL.10864	PL.11054	B	6 A (CWC)	7.46Y	124.4	0.01	0.61	1.33	1	9	3	95	0.00	0.0	6.472	0.129	0	0	0	3
PL.10865	PL.10864	B	6 A (CWC)	7.46Y	124.4	0.00	0.61	1.33	1	9	3	95	0.00	0.0	6.563	0.091	8	3	2	3
PL.10901	PL.10865	B	6 A (CWC)	7.46Y	124.4	0.00	0.61	0.14	0	1	0	100	0.00	0.0	6.668	0.106	1	0	1	1
PL.11107	PL.11053	B	6 A (CWC)	7.46Y	124.4	0.00	0.60	1.48	1	11	3	96	0.00	0.0	6.341	0.079	11	3	1	2
PL.11108	PL.11107	B	6 A (CWC)	7.46Y	124.4	0.00	0.60	0.00	0	0	0	100	0.00	0.0	6.374	0.033	0	0	1	1
PL.11052	PL.11386	B	#2 ACSR	7.46Y	124.4	0.00	0.58	1.23	1	9	3	95	0.00	0.0	6.211	0.049	9	3	1	1
PL.10900	PL.11386	B	6 A (CWC)	7.47Y	124.4	0.00	0.58	0.00	0	0	0	100	0.00	0.0	6.216	0.053	0	0	0	0
PL.11050	PL.11368	B	#4 ACSR	7.47Y	124.4	0.01	0.58	2.03	2	14	5	94	0.00	0.0	6.187	0.100	1	0	1	4
PL.10899	PL.11050	B	#2 ACSR	7.47Y	124.4	0.00	0.58	1.86	1	13	4	96	0.00	0.0	6.208	0.021	13	4	2	2
PL.11051	PL.11050	B	#4 ACSR	7.47Y	124.4	0.00	0.58	0.07	0	0	0	100	0.00	0.0	6.281	0.094	0	0	1	1
PL.11048	PL.10956	ABC	336 MCM AC	7.47Y	124.5	0.00	0.54	0.77	0	16	5	95	0.00	0.0	5.857	0.032	6	2	1	6
PL.11047	PL.11048	ABC	336 MCM AC	7.47Y	124.5	0.00	0.54	0.41	0	9	3	95	0.00	0.0	5.907	0.049	0	0	0	4
PL.11365	PL.11047	A	#4 ACSR	7.47Y	124.5	0.00	0.54	0.00	0	0	0	100	0.00	0.0	5.911	0.005	0	0	0	0
PD.2029	PL.11365	A	40T	7.47Y	124.5	0.00	0.54	0.00	0	0	0	100	0.00	0.0	5.911	0.005	0	0	0	0
PL.11366	PD.2029	A	#4 ACSR	7.47Y	124.5	0.00	0.54	0.00	0	0	0	100	0.00	0.0	6.041	0.130	0	0	0	0
PL.10863	PL.11366	A	#4 ACSR	7.47Y	124.5	0.00	0.54	0.00	0	0	0	100	0.00	0.0	6.122	0.080	0	0	0	0
PL.11004	PL.11047	ABC	336 MCM AC	7.47Y	124.5	0.00	0.55	0.41	0	9	3	95	0.00	0.0	6.065	0.158	0	0	0	4
PL.11003	PL.11004	ABC	336 MCM AC	7.47Y	124.5	0.00	0.55	0.41	0	9	3	95	0.00	0.0	6.179	0.114	0	0	0	4
PL.11002	PL.11003	ABC	336 MCM AC	7.47Y	124.5	0.00	0.55	0.41	0	9	3	95	0.00	0.0	6.353	0.174	0	0	0	4
PL.11147	PL.11002	ABC	336 MCM AC	7.47Y	124.5	0.00	0.55	0.41	0	9	3	95	0.00	0.0	6.463	0.110	0	0	1	4
PL.11414	PL.11147	ABC	336 MCM AC	7.47Y	124.5	0.00	0.55	0.41	0	9	3	95	0.00	0.0	6.611	0.148	0	0	0	3
PL.11413	PL.11414	ABC	336 MCM AC	7.47Y	124.5	0.00	0.55	0.41	0	9	3	95	0.00	0.0	6.662	0.050	0	0	0	3
PL.11040	PL.11413	ABC	336 MCM AC	7.47Y	124.5	0.00	0.55	0.19	0	4	1	97	0.00	0.0	6.711	0.049	0	0	0	2
PL.11303	PL.11040	A	#1/0 ACSR	7.47Y	124.5	0.00	0.55	0.57	0	4	1	97	0.00	0.0	6.715	0.005	0	0	0	1
PD.1997	PL.11303	A	40T	7.47Y	124.5	0.00	0.55	0.57	0	4	1	97	0.00	0.0	6.715	0.005	0	0	0	1
PL.11304	PD.1997	A	#1/0 ACSR	7.47Y	124.5	0.00	0.55	0.57	0	4	1	97	0.00	0.0	6.748	0.033	4	1	1	1
PL.11039	PL.11040	ABC	336 MCM AC	7.47Y	124.5	0.00	0.55	0.00	0	0	0	100	0.00	0.0	6.797	0.086	0	0	0	1

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

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

PL.11307	PL.11039	A	6 A (CWC)	7.47Y	124.5	0.00	0.55	0.00	0	0	0	100	0.00	0.0	6.801	0.005	0	0	0	1
PD.1999	PL.11307	A	40T	7.47Y	124.5	0.00	0.55	0.00	0	0	0	100	0.00	0.0	6.801	0.005	0	0	0	1
PL.11308	PD.1999	A	6 A (CWC)	7.47Y	124.5	0.00	0.55	0.00	0	0	0	100	0.00	0.0	6.936	0.134	0	0	1	1
PL.11001	PL.11039	ABC	336 MCM AC	7.47Y	124.5	0.00	0.55	0.00	0	0	0	100	0.00	0.0	6.918	0.121	0	0	0	0
PL.64931	PL.11001	ABC	336 MCM AC	7.47Y	124.5	0.00	0.55	0.00	0	0	0	100	0.00	0.0	6.922	0.004	0	0	0	0
PD.9579-B	PL.64931	ABC	Open	7.47Y	124.5	0.00	0.55	0.00	0	0	0	100	0.00	0.0	6.922	0.004	0	0	0	0
PL.11305	PL.11413	B	#1/0 ACSR	7.47Y	124.5	0.00	0.55	0.65	0	5	1	98	0.00	0.0	6.665	0.004	0	0	0	1
PD.1998	PL.11305	B	40T	7.47Y	124.5	0.00	0.55	0.65	0	5	1	98	0.00	0.0	6.665	0.004	0	0	0	1
PL.11306	PD.1998	B	#1/0 ACSR	7.47Y	124.5	0.00	0.55	0.65	0	5	1	98	0.00	0.0	6.669	0.004	5	1	1	1
PL.11271	PL.11048	C	6 A (CWC)	7.47Y	124.5	0.00	0.54	0.28	0	2	1	89	0.00	0.0	5.862	0.004	0	0	0	1
PD.1982	PL.11271	C	40T	7.47Y	124.5	0.00	0.54	0.28	0	2	1	89	0.00	0.0	5.862	0.004	0	0	0	1
PL.11272	PD.1982	C	6 A (CWC)	7.47Y	124.5	0.00	0.55	0.28	0	2	1	89	0.00	0.0	6.037	0.175	2	1	1	1
PL.11349	PL.10957	C	#4 ACSR	7.47Y	124.5	0.00	0.50	2.28	2	16	5	95	0.00	0.0	4.125	0.034	0	0	0	11
PD.2020	PL.11349	C	20T	7.47Y	124.5	0.00	0.50	2.28	0	16	5	95	0.00	0.0	4.125	0.034	0	0	0	11
PL.11350	PD.2020	C	#4 ACSR	7.47Y	124.5	0.00	0.51	2.28	2	16	5	95	0.00	0.0	4.167	0.043	0	0	1	11
PL.11219	PL.11350	C	#4 ACSR	7.47Y	124.5	0.00	0.51	2.28	2	16	5	95	0.00	0.0	4.214	0.047	0	0	0	10
PL.10874	PL.11219	C	#4 ACSR	7.47Y	124.5	0.01	0.52	2.28	2	16	5	95	0.00	0.0	4.316	0.102	0	0	0	10
PL.10873	PL.10874	C	#4 ACSR	7.47Y	124.5	0.01	0.53	2.28	2	16	5	95	0.00	0.0	4.415	0.099	0	0	0	10
PL.11220	PL.10873	C	#4 ACSR	7.47Y	124.5	0.00	0.54	2.28	2	16	5	95	0.00	0.0	4.455	0.039	1	0	1	10
PL.11221	PL.11220	C	#4 ACSR	7.47Y	124.5	0.01	0.54	2.18	2	15	5	95	0.00	0.0	4.530	0.075	9	3	3	9
PL.11222	PL.11221	C	#4 ACSR	7.47Y	124.5	0.00	0.54	0.39	0	3	1	95	0.00	0.0	4.645	0.116	0	0	1	2
PL.11223	PL.11222	C	#4 ACSR	7.47Y	124.5	0.00	0.54	0.33	0	2	1	89	0.00	0.0	4.688	0.042	2	1	1	1
PL.10903	PL.11221	C	#2 ACSR	7.47Y	124.5	0.00	0.54	0.52	0	4	1	97	0.00	0.0	4.615	0.086	0	0	0	4
PL.10875	PL.10903	C	#2 ACSR	7.47Y	124.5	0.00	0.55	0.52	0	4	1	97	0.00	0.0	4.723	0.108	0	0	1	4
PL.10904	PL.10875	C	#2 ACSR	7.47Y	124.5	0.00	0.55	0.52	0	4	1	97	0.00	0.0	4.819	0.096	0	0	0	3
PL.10902	PL.10904	C	#4 ACSR	7.47Y	124.5	0.00	0.55	0.52	0	4	1	97	0.00	0.0	4.909	0.090	0	0	0	3
PL.11250	PL.10902	C	#4 ACSR	7.47Y	124.4	0.00	0.55	0.52	0	4	1	97	0.00	0.0	5.011	0.102	0	0	1	3
PL.11251	PL.11250	C	#4 ACSR	7.47Y	124.4	0.00	0.55	0.52	0	4	1	97	0.00	0.0	5.116	0.105	3	1	1	2
PL.11252	PL.11251	C	#4 ACSR	7.47Y	124.4	0.00	0.55	0.10	0	1	0	100	0.00	0.0	5.266	0.150	0	0	0	1
PL.10876	PL.11252	C	#4 ACSR	7.47Y	124.4	0.00	0.55	0.10	0	1	0	100	0.00	0.0	5.353	0.087	1	0	1	1
PL.21271	PL.11214	ABC	336 MCM AC	7.47Y	124.5	0.00	0.50	3.89	1	83	27	95	0.00	0.0	4.042	0.163	0	0	0	32

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: Big Creek

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.11209	PL.21271	ABC	336 MCM AC	7.47Y	124.5	0.00	0.50	3.75	1	80	26	95	0.00	0.0	4.142	0.100	1	0	1	29
PL.11210	PL.11209	ABC	336 MCM AC	7.47Y	124.5	0.00	0.50	3.69	1	79	25	95	0.00	0.0	4.239	0.097	0	0	0	28
PL.11114	PL.11210	ABC	336 MCM AC	7.47Y	124.5	0.00	0.50	3.48	1	74	24	95	0.00	0.0	4.261	0.022	16	5	1	25
PL.11115	PL.11114	ABC	336 MCM AC	7.47Y	124.5	0.00	0.51	2.71	1	58	19	95	0.00	0.0	4.311	0.050	7	2	1	24
PL.11267	PL.11115	A	#4 ACSR	7.47Y	124.5	0.00	0.51	1.05	1	8	2	97	0.00	0.0	4.315	0.005	0	0	0	2
PD.1981	PL.11267	A	15T	7.47Y	124.5	0.00	0.51	1.05	0	8	2	97	0.00	0.0	4.315	0.005	0	0	0	2
PL.11268	PD.1981	A	#4 ACSR	7.47Y	124.5	0.00	0.51	1.05	1	8	2	97	0.00	0.0	4.335	0.020	8	2	2	2
PL.11269	PL.11115	ABC	336 MCM AC	7.47Y	124.5	0.00	0.51	2.05	0	44	14	95	0.00	0.0	4.315	0.005	0	0	0	21
PL.11270	PL.11269	ABC	336 MCM AC	7.47Y	124.5	0.00	0.51	2.05	0	44	14	95	0.00	0.0	4.409	0.094	0	0	2	21
PL.11113	PL.11270	ABC	336 MCM AC	7.47Y	124.5	0.00	0.51	2.03	0	43	14	95	0.00	0.0	4.473	0.064	0	0	0	19
PL.11263	PL.11113	C	#4 ACSR	7.47Y	124.5	0.00	0.51	0.06	0	0	0	100	0.00	0.0	4.478	0.005	0	0	0	1
PD.1979	PL.11263	C	12T	7.47Y	124.5	0.00	0.51	0.06	0	0	0	100	0.00	0.0	4.478	0.005	0	0	0	1
PL.11264	PD.1979	C	#4 ACSR	7.47Y	124.5	0.00	0.51	0.06	0	0	0	100	0.00	0.0	4.513	0.036	0	0	1	1
PL.11111	PL.11113	ABC	336 MCM AC	7.47Y	124.5	0.00	0.51	2.01	0	43	14	95	0.00	0.0	4.584	0.111	15	5	2	18
PL.11112	PL.11111	ABC	336 MCM AC	7.47Y	124.5	0.00	0.51	1.30	0	28	9	95	0.00	0.0	4.659	0.076	3	1	3	16
PL.11261	PL.11112	C	#4 ACSR	7.47Y	124.5	0.00	0.51	0.57	0	4	1	97	0.00	0.0	4.664	0.005	0	0	0	3
PD.1978	PL.11261	C	12T	7.47Y	124.5	0.00	0.51	0.57	0	4	1	97	0.00	0.0	4.664	0.005	0	0	0	3
PL.11262	PD.1978	C	#4 ACSR	7.47Y	124.5	0.00	0.51	0.57	0	4	1	97	0.00	0.0	4.696	0.032	2	1	2	3
PL.11110	PL.11262	C	#4 ACSR	7.47Y	124.5	0.00	0.51	0.30	0	2	1	89	0.00	0.0	4.726	0.030	2	1	1	1
PL.10619	PL.11112	ABC	336 MCM AC	7.47Y	124.5	0.00	0.51	0.98	0	21	7	95	0.00	0.0	4.831	0.172	2	1	1	10
PL.11193	PL.10619	ABC	336 MCM AC	7.47Y	124.5	0.00	0.51	0.87	0	19	6	95	0.00	0.0	4.894	0.063	0	0	0	9
PL.10959	PL.11193	ABC	336 MCM AC	7.47Y	124.5	0.00	0.51	0.58	0	12	4	95	0.00	0.0	4.918	0.024	0	0	0	7
PL.10960	PL.10959	ABC	336 MCM AC	7.47Y	124.5	0.00	0.51	0.57	0	12	4	95	0.00	0.0	5.026	0.108	0	0	0	6
PL.10878	PL.10960	ABC	336 MCM AC	7.47Y	124.5	0.00	0.51	0.57	0	12	4	95	0.00	0.0	5.135	0.109	0	0	0	6
PL.10932	PL.10878	ABC	336 MCM AC	7.47Y	124.5	0.00	0.51	0.57	0	12	4	95	0.00	0.0	5.231	0.096	0	0	0	6
PL.10933	PL.10932	ABC	336 MCM AC	7.47Y	124.5	0.00	0.51	0.57	0	12	4	95	0.00	0.0	5.335	0.104	0	0	0	6
PL.10879	PL.10933	ABC	336 MCM AC	7.47Y	124.5	0.00	0.51	0.57	0	12	4	95	0.00	0.0	5.440	0.106	0	0	0	6
PL.10880	PL.10879	ABC	336 MCM AC	7.47Y	124.5	0.00	0.51	0.57	0	12	4	95	0.00	0.0	5.558	0.118	0	0	0	6
PL.11105	PL.10880	ABC	336 MCM AC	7.47Y	124.5	0.00	0.52	0.57	0	12	4	95	0.00	0.0	5.678	0.120	7	2	2	6
PL.11106	PL.11105	ABC	336 MCM AC	7.47Y	124.5	0.00	0.52	0.24	0	5	2	93	0.00	0.0	5.739	0.060	2	1	1	4
PL.11104	PL.11106	ABC	336 MCM AC	7.47Y	124.5	0.00	0.52	0.14	0	3	1	95	0.00	0.0	5.775	0.036	0	0	2	3

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Balanced Voltage Drop Report
Source: Big Creek

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.11102	PL.11104	ABC	336 MCM AC	7.47Y	124.5	0.00	0.52	0.12	0	3	1	95	0.00	0.0	5.835	0.061	3	1	1	1
PL.11103	PL.11102	ABC	336 MCM AC	7.47Y	124.5	0.00	0.52	0.00	0	0	0	100	0.00	0.0	5.951	0.116	0	0	0	0
PL.10881	PL.11103	ABC	336 MCM AC	7.47Y	124.5	0.00	0.52	0.00	0	0	0	100	0.00	0.0	6.046	0.095	0	0	0	0
PL.10882	PL.10881	ABC	336 MCM AC	7.47Y	124.5	0.00	0.52	0.00	0	0	0	100	0.00	0.0	6.143	0.097	0	0	0	0
PL.10883	PL.10882	ABC	336 MCM AC	7.47Y	124.5	0.00	0.52	0.00	0	0	0	100	0.00	0.0	6.261	0.118	0	0	0	0
PL.10884	PL.10883	ABC	336 MCM AC	7.47Y	124.5	0.00	0.52	0.00	0	0	0	100	0.00	0.0	6.386	0.125	0	0	0	0
PL.10885	PL.10884	ABC	336 MCM AC	7.47Y	124.5	0.00	0.52	0.00	0	0	0	100	0.00	0.0	6.505	0.118	0	0	0	0
PL.10886	PL.10885	ABC	336 MCM AC	7.47Y	124.5	0.00	0.52	0.00	0	0	0	100	0.00	0.0	6.671	0.167	0	0	0	0
PL.10887	PL.10886	ABC	336 MCM AC	7.47Y	124.5	0.00	0.52	0.00	0	0	0	100	0.00	0.0	6.823	0.151	0	0	0	0
PL.10888	PL.10887	ABC	336 MCM AC	7.47Y	124.5	0.00	0.52	0.00	0	0	0	100	0.00	0.0	6.959	0.136	0	0	0	0
PL.10559	PL.10888	ABC	336 MCM AC	7.47Y	124.5	0.00	0.52	0.00	0	0	0	100	0.00	0.0	7.115	0.156	0	0	0	0
PL.10560	PL.10559	ABC	336 MCM AC	7.47Y	124.5	0.00	0.52	0.00	0	0	0	100	0.00	0.0	7.250	0.135	0	0	0	0
PL.10561	PL.10560	ABC	336 MCM AC	7.47Y	124.5	0.00	0.52	0.00	0	0	0	100	0.00	0.0	7.400	0.150	0	0	0	0
PL.10562	PL.10561	ABC	336 MCM AC	7.47Y	124.5	0.00	0.52	0.00	0	0	0	100	0.00	0.0	7.549	0.149	0	0	0	0
PL.10563	PL.10562	ABC	336 MCM AC	7.47Y	124.5	0.00	0.52	0.00	0	0	0	100	0.00	0.0	7.660	0.111	0	0	0	0
PL.11098	PL.10563	ABC	336 MCM AC	7.47Y	124.5	0.00	0.52	0.00	0	0	0	100	0.00	0.0	7.719	0.059	0	0	0	0
PL.11099	PL.11098	ABC	336 MCM AC	7.47Y	124.5	0.00	0.52	0.00	0	0	0	100	0.00	0.0	7.768	0.050	0	0	0	0
PD.205-B	PL.11099	ABC	Open	7.47Y	124.5	0.00	0.52	0.00	0	0	0	100	0.00	0.0	7.768	0.050	0	0	0	0
PL.11381	PL.10959	C	6 A (CWC)	7.47Y	124.5	0.00	0.51	0.04	0	0	0	100	0.00	0.0	4.923	0.005	0	0	0	1
PD.2036	PL.11381	C	12T	7.47Y	124.5	0.00	0.51	0.04	0	0	0	100	0.00	0.0	4.923	0.005	0	0	0	1
PL.11382	PD.2036	C	6 A (CWC)	7.47Y	124.5	0.00	0.51	0.04	0	0	0	100	0.00	0.0	4.971	0.049	0	0	1	1
PL.11383	PL.11193	C	#4 ACSR	7.47Y	124.5	0.00	0.51	0.86	1	6	2	95	0.00	0.0	4.898	0.005	0	0	0	2
PD.2037	PL.11383	C	12T	7.47Y	124.5	0.00	0.51	0.86	0	6	2	95	0.00	0.0	4.898	0.005	0	0	0	2
PL.11384	PD.2037	C	#4 ACSR	7.47Y	124.5	0.00	0.51	0.86	1	6	2	95	0.00	0.0	4.935	0.037	5	2	1	2
PL.11194	PL.11384	C	#4 ACSR	7.47Y	124.5	0.00	0.51	0.14	0	1	0	100	0.00	0.0	5.036	0.101	1	0	1	1
PL.11265	PL.11210	A	#4 ACSR	7.47Y	124.5	0.00	0.50	0.63	0	4	1	97	0.00	0.0	4.244	0.005	0	0	0	3
PD.1980	PL.11265	A	12T	7.47Y	124.5	0.00	0.50	0.63	0	4	1	97	0.00	0.0	4.244	0.005	0	0	0	3
PL.11266	PD.1980	A	#4 ACSR	7.47Y	124.5	0.00	0.51	0.63	0	4	1	97	0.00	0.0	4.305	0.061	0	0	0	3
PL.10931	PL.11266	A	6 A (CWC)	7.47Y	124.5	0.00	0.51	0.63	0	4	1	97	0.00	0.0	4.422	0.117	4	1	3	3
PL.10958	PL.11266	A	#4 ACSR	7.47Y	124.5	0.00	0.51	0.00	0	0	0	100	0.00	0.0	4.361	0.057	0	0	0	0
PL.11343	PL.21271	A	6 A (CWC)	7.47Y	124.5	0.00	0.50	0.43	0	3	1	95	0.00	0.0	4.046	0.004	0	0	0	3

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Balanced Voltage Drop Report
Source: Big Creek

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.2017	PL.11343	A	12T	7.47Y	124.5	0.00	0.50	0.43	0	3	1	95	0.00	0.0	4.046	0.004	0	0	0	3
PL.11344	PD.2017	A	6 A (CWC)	7.47Y	124.5	0.00	0.50	0.43	0	3	1	95	0.00	0.0	4.083	0.037	0	0	0	3
PL.10930	PL.11344	A	#4 ACSR	7.47Y	124.5	0.00	0.50	0.00	0	0	0	100	0.00	0.0	4.165	0.082	0	0	1	1
PL.11217	PL.11344	A	6 A (CWC)	7.47Y	124.5	0.00	0.50	0.43	0	3	1	95	0.00	0.0	4.124	0.041	0	0	1	2
PL.11218	PL.11217	A	6 A (CWC)	7.47Y	124.5	0.00	0.50	0.41	0	3	1	95	0.00	0.0	4.155	0.030	3	1	1	1
PL.11353	PL.11351	C	#4 ACSR	7.47Y	124.6	0.00	0.42	0.42	0	3	1	95	0.00	0.0	2.851	0.005	0	0	0	1
PD.2022	PL.11353	C	20T	7.47Y	124.6	0.00	0.42	0.42	0	3	1	95	0.00	0.0	2.851	0.005	0	0	0	1
PL.11354	PD.2022	C	#4 ACSR	7.47Y	124.6	0.00	0.42	0.42	0	3	1	95	0.00	0.0	2.870	0.019	3	1	1	1
PL.11401	PL.65728	ABC	6 A (CWC)	7.48Y	124.6	0.00	0.40	2.51	2	54	17	95	0.00	0.0	2.561	0.005	0	0	0	22
PD.2046	PL.11401	ABC	20T	7.48Y	124.6	0.00	0.40	2.51	0	54	17	95	0.00	0.0	2.561	0.005	0	0	0	22
PL.11402	PD.2046	ABC	6 A (CWC)	7.48Y	124.6	0.00	0.41	2.51	2	54	17	95	0.00	0.0	2.605	0.044	2	1	1	22
PL.11237	PL.11402	ABC	6 A (CWC)	7.48Y	124.6	0.01	0.41	2.40	2	51	16	95	0.00	0.0	2.671	0.066	0	0	0	21
PL.11369	PL.11237	C	#2 ACSR	7.48Y	124.6	0.00	0.41	0.65	0	5	1	98	0.00	0.0	2.675	0.005	0	0	0	1
PD.2031	PL.11369	C	12T	7.48Y	124.6	0.00	0.41	0.65	0	5	1	98	0.00	0.0	2.675	0.005	0	0	0	1
PL.11370	PD.2031	C	#2 ACSR	7.48Y	124.6	0.00	0.41	0.65	0	5	1	98	0.00	0.0	2.707	0.032	5	1	1	1
PL.10908	PL.11237	ABC	6 A (CWC)	7.47Y	124.6	0.01	0.42	2.19	2	47	15	95	0.00	0.0	2.743	0.072	4	1	1	20
PL.11238	PL.10908	ABC	6 A (CWC)	7.47Y	124.6	0.01	0.43	2.00	1	43	14	95	0.00	0.0	2.849	0.106	1	0	1	19
PL.11239	PL.11238	ABC	6 A (CWC)	7.47Y	124.6	0.01	0.43	1.95	1	42	13	96	0.00	0.0	2.960	0.111	0	0	0	18
PL.11371	PL.11239	A	#4 ACSR	7.47Y	124.6	0.00	0.43	0.00	0	0	0	100	0.00	0.0	2.965	0.005	0	0	0	0
PD.2032	PL.11371	A	12T	7.47Y	124.6	0.00	0.43	0.00	0	0	0	100	0.00	0.0	2.965	0.005	0	0	0	0
PL.11372	PD.2032	A	#4 ACSR	7.47Y	124.6	0.00	0.43	0.00	0	0	0	100	0.00	0.0	3.004	0.039	0	0	0	0
PL.10909	PL.11372	A	#4 ACSR	7.47Y	124.6	0.00	0.43	0.00	0	0	0	100	0.00	0.0	3.043	0.040	0	0	0	0
PL.10964	PL.11239	ABC	6 A (CWC)	7.47Y	124.6	0.01	0.44	1.95	1	42	13	96	0.00	0.0	3.053	0.093	0	0	0	18
PL.11357	PL.10964	A	#1/0 ACSR	7.47Y	124.6	0.00	0.44	0.15	0	1	0	100	0.00	0.0	3.058	0.005	0	0	0	2
PD.2024	PL.11357	A	12T	7.47Y	124.6	0.00	0.44	0.15	0	1	0	100	0.00	0.0	3.058	0.005	0	0	0	2
PL.11358	PD.2024	A	#1/0 ACSR	7.47Y	124.6	0.00	0.44	0.15	0	1	0	100	0.00	0.0	3.180	0.122	1	0	1	2
PL.11241	PL.11358	A	#1/0 ACSR	7.47Y	124.6	0.00	0.44	0.00	0	0	0	100	0.00	0.0	3.216	0.036	0	0	1	1
PL.11240	PL.10964	ABC	6 A (CWC)	7.47Y	124.6	0.00	0.45	1.90	1	40	13	95	0.00	0.0	3.117	0.064	5	2	2	16
PL.11242	PL.11240	ABC	6 A (CWC)	7.47Y	124.5	0.01	0.45	1.66	1	35	11	95	0.00	0.0	3.199	0.081	4	1	2	14
PL.11243	PL.11242	ABC	6 A (CWC)	7.47Y	124.5	0.01	0.46	1.48	1	32	10	95	0.00	0.0	3.313	0.114	0	0	0	12
PL.11255	PL.11243	ABC	6 A (CWC)	7.47Y	124.5	0.01	0.46	1.48	1	32	10	95	0.00	0.0	3.420	0.107	1	0	2	12

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: Big Creek

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.11256	PL.11255	ABC	6 A (CWC)	7.47Y	124.5	0.00	0.47	1.43	1	31	10	95	0.00	0.0	3.491	0.072	0	0	0	10
PL.11359	PL.11256	C	6 A (CWC)	7.47Y	124.5	0.00	0.47	0.31	0	2	1	89	0.00	0.0	3.496	0.005	0	0	0	3
PD.2025	PL.11359	C	12T	7.47Y	124.5	0.00	0.47	0.31	0	2	1	89	0.00	0.0	3.496	0.005	0	0	0	3
PL.11360	PD.2025	C	6 A (CWC)	7.47Y	124.5	0.00	0.47	0.31	0	2	1	89	0.00	0.0	3.537	0.041	1	0	2	3
PL.11375	PL.11360	C	#1/0 ACSR	7.47Y	124.5	0.00	0.47	0.20	0	1	0	100	0.00	0.0	3.542	0.005	0	0	0	1
PD.2033	PL.11375	C	10T	7.47Y	124.5	0.00	0.47	0.20	0	1	0	100	0.00	0.0	3.542	0.005	0	0	0	1
PL.11376	PD.2033	C	#1/0 ACSR	7.47Y	124.5	0.00	0.47	0.20	0	1	0	100	0.00	0.0	3.562	0.021	1	0	1	1
PL.10965	PL.11256	ABC	6 A (CWC)	7.47Y	124.5	0.01	0.48	1.33	1	28	9	95	0.00	0.0	3.628	0.137	0	0	0	7
PL.11244	PL.10965	ABC	6 A (CWC)	7.47Y	124.5	0.00	0.48	1.33	1	28	9	95	0.00	0.0	3.700	0.071	0	0	1	7
PL.11245	PL.11244	ABC	6 A (CWC)	7.47Y	124.5	0.00	0.48	1.33	1	28	9	95	0.00	0.0	3.775	0.075	0	0	0	6
PL.10966	PL.11245	ABC	6 A (CWC)	7.47Y	124.5	0.01	0.49	1.33	1	28	9	95	0.00	0.0	3.903	0.128	0	0	0	6
PL.10567	PL.10966	ABC	6 A (CWC)	7.47Y	124.5	0.01	0.50	1.33	1	28	9	95	0.00	0.0	4.008	0.105	0	0	0	6
PL.10568	PL.10567	ABC	6 A (CWC)	7.47Y	124.5	0.01	0.50	1.33	1	28	9	95	0.00	0.0	4.175	0.167	0	0	0	6
PL.11246	PL.10568	ABC	6 A (CWC)	7.47Y	124.5	0.01	0.51	1.33	1	28	9	95	0.00	0.0	4.316	0.141	1	0	1	6
PL.11247	PL.11246	ABC	6 A (CWC)	7.47Y	124.5	0.00	0.52	1.26	1	27	9	95	0.00	0.0	4.429	0.113	6	2	1	5
PL.11248	PL.11247	ABC	6 A (CWC)	7.47Y	124.5	0.01	0.52	0.96	1	21	7	95	0.00	0.0	4.578	0.149	0	0	0	4
PL.10569	PL.11248	ABC	6 A (CWC)	7.47Y	124.5	0.01	0.53	0.96	1	21	7	95	0.00	0.0	4.746	0.167	0	0	0	4
PL.10570	PL.10569	ABC	6 A (CWC)	7.47Y	124.5	0.00	0.53	0.96	1	21	7	95	0.00	0.0	4.827	0.082	0	0	0	4
PL.11007	PL.10570	ABC	6 A (CWC)	7.47Y	124.5	0.00	0.53	0.96	1	21	7	95	0.00	0.0	4.931	0.104	0	0	0	4
PL.10572	PL.11007	ABC	6 A (CWC)	7.47Y	124.5	0.00	0.54	0.96	1	21	7	95	0.00	0.0	5.017	0.086	0	0	0	4
PL.11008	PL.10572	ABC	6 A (CWC)	7.47Y	124.5	0.00	0.54	0.96	1	21	7	95	0.00	0.0	5.091	0.074	0	0	0	4
PL.10571	PL.11008	ABC	6 A (CWC)	7.47Y	124.5	0.00	0.54	0.96	1	21	7	95	0.00	0.0	5.198	0.107	2	1	1	4
PL.11049	PL.10571	ABC	6 A (CWC)	7.47Y	124.5	0.00	0.55	0.86	1	18	6	95	0.00	0.0	5.298	0.100	14	5	1	3
PL.10912	PL.11049	A	#1/0 ACSR	7.47Y	124.5	0.00	0.55	0.04	0	0	0	100	0.00	0.0	5.337	0.039	0	0	1	1
PL.11249	PL.11049	ABC	6 A (CWC)	7.47Y	124.5	0.00	0.55	0.18	0	4	1	97	0.00	0.0	5.337	0.039	4	1	1	1
PL.11253	PL.11249	ABC	6 A (CWC)	7.47Y	124.5	0.00	0.55	0.00	0	0	0	100	0.00	0.0	5.416	0.080	0	0	0	0
PL.11254	PL.11253	ABC	6 A (CWC)	7.47Y	124.5	0.00	0.55	0.00	0	0	0	100	0.00	0.0	5.496	0.080	0	0	0	0
PL.10911	PL.11245	A	#4 ACSR	7.47Y	124.5	0.00	0.48	0.00	0	0	0	100	0.00	0.0	3.809	0.034	0	0	0	0
PL.27992	PL.27990	A	8 A (CWC)	7.48Y	124.6	0.00	0.37	1.90	2	14	4	96	0.00	0.0	2.194	0.003	0	0	0	3
PD.3870	PL.27992	A	20T	7.48Y	124.6	0.00	0.37	1.90	0	14	4	96	0.00	0.0	2.194	0.003	0	0	0	3
PL.27986	PD.3870	A	6 A (CWC)	7.48Y	124.6	0.00	0.37	1.90	1	14	4	96	0.00	0.0	2.219	0.025	14	4	3	3

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

Balanced Voltage Drop Report
Source: Big Creek

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	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.27975	PL.27993	A	#1/0 ACSR	7.48Y	124.7	0.00	0.31	5.23	2	37	12	95	0.00	0.0	1.682	0.003	0	0	0	6
PD.3865	PL.27975	A	12T	7.48Y	124.7	0.00	0.31	5.23	0	37	12	95	0.00	0.0	1.682	0.003	0	0	0	6
PL.27974	PD.3865	A	#1/0 ACSR	7.48Y	124.7	0.00	0.32	5.23	2	37	12	95	0.00	0.0	1.721	0.038	28	9	4	6
PL.11061	PL.27974	A	#1/0 ACSR	7.48Y	124.7	0.00	0.32	1.36	1	10	3	96	0.00	0.0	1.738	0.018	2	1	1	2
PL.10913	PL.11061	A	#1/0 ACSR	7.48Y	124.7	0.00	0.32	1.02	0	7	2	96	0.00	0.0	1.773	0.035	7	2	1	1
PL.27942	PL.27940	ABC	#1/0 ACSR	7.49Y	124.9	0.00	0.15	5.55	2	119	38	95	0.00	0.0	0.659	0.016	0	0	0	7
PL.27943	PL.27942	ABC	#1/0 ACSR	7.49Y	124.8	0.00	0.15	5.55	2	119	38	95	0.00	0.0	0.706	0.047	0	0	0	7
PL.27944	PL.27943	ABC	#1/0 ACSR	7.49Y	124.8	0.01	0.16	5.55	2	119	38	95	0.01	0.0	0.771	0.066	4	1	4	7
PL.11065	PL.27944	ABC	6 A (CWC)	7.49Y	124.8	0.01	0.17	5.00	4	107	34	95	0.01	0.0	0.814	0.043	0	0	0	2
PL.10921	PL.11065	ABC	6 A (CWC)	7.49Y	124.8	0.01	0.18	5.00	4	107	34	95	0.01	0.0	0.867	0.052	0	0	0	2
PL.10936	PL.10921	ABC	6 A (CWC)	7.49Y	124.8	0.00	0.18	5.00	4	107	34	95	0.00	0.0	0.880	0.013	102	33	1	2
PL.10937	PL.10936	A	6 A (CWC)	7.49Y	124.8	0.00	0.18	0.67	0	5	2	93	0.00	0.0	0.890	0.010	5	2	1	1
PL.11066	PL.27944	C	6 A (CWC)	7.49Y	124.8	0.00	0.16	1.08	1	8	2	97	0.00	0.0	0.780	0.009	8	2	1	1
PL.11067	PL.11066	C	6 A (CWC)	7.49Y	124.8	0.00	0.16	0.00	0	0	0	100	0.00	0.0	0.782	0.002	0	0	0	0
PL.27930	PL.27931	A	#1/0 ACSR	7.49Y	124.9	0.00	0.10	0.61	0	4	1	97	0.00	0.0	0.453	0.039	4	1	1	1

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

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total		
KW	3813	0	0	0	0	0	33	0.00	3847	Lowest Voltage = 120.63 on Element PL.3371	
KVAR	1220	0	0	0	0	0	46		1266	Max Accm VoltD = 4.37 on Element PL.3371	
										Max Elem VoltD = 0.37 on Element PL.928	