

Balanced Voltage Drop Report
Source: Maplesville

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
Maplesville		ABC	SRC-Maples	7.50Y	125.0	0.00	0.00	474.36	0	10138	3337	95	0.00	0.0	0.000	0.000	0	0	0	1246
PL.53000	Maplesville	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	88.21	17	1897	584	96	0.01	0.0	0.002	0.002	0	0	0	210
PL.53003	PL.53000	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	88.21	17	1897	584	96	0.02	0.0	0.005	0.003	0	0	0	210
----- Feeder No. 3 (Slate Lick F3) Beginning with Device PD.8062 -----																				
PD.8062	PL.53003	ABC	480VWE	7.50Y	125.0	0.00	0.00	88.21	0	1897	584	96	0.00	0.0	0.005	0.003	0	0	0	210
PL.42958	PD.8062	ABC	336 MCM AC	7.49Y	124.9	0.09	0.09	88.21	17	1897	584	96	0.89	0.0	0.140	0.136	0	0	0	210
PL.44065	PL.42958	ABC	336 MCM AC	7.49Y	124.8	0.12	0.22	84.02	16	1805	558	96	1.11	0.1	0.329	0.189	20	5	1	199
PL.44066	PL.44065	ABC	336 MCM AC	7.48Y	124.7	0.08	0.29	83.09	16	1784	550	96	0.68	0.0	0.447	0.118	12	3	1	198
PL.44067	PL.44066	ABC	336 MCM AC	7.48Y	124.7	0.05	0.35	82.52	16	1770	545	96	0.49	0.0	0.532	0.085	5	1	1	197
PL.44068	PL.44067	C	#4 ACSR	7.48Y	124.7	0.00	0.35	9.76	8	70	19	97	0.00	0.0	0.537	0.006	0	0	0	8
PD.6905	PL.44068	C	60QA	7.48Y	124.7	0.00	0.35	9.76	16	70	19	97	0.00	0.0	0.537	0.006	0	0	0	8
PL.44009	PD.6905	C	#4 ACSR	7.48Y	124.6	0.03	0.38	9.76	8	70	19	97	0.01	0.0	0.618	0.080	18	5	2	8
PL.44010	PL.44009	C	#4 ACSR	7.48Y	124.6	0.01	0.39	7.20	6	52	14	97	0.00	0.0	0.667	0.049	36	10	4	6
PL.44011	PL.44010	C	#4 ACSR	7.48Y	124.6	0.00	0.39	2.22	2	16	4	97	0.00	0.0	0.716	0.050	10	3	1	2
PL.44012	PL.44011	C	#4 ACSR	7.48Y	124.6	0.00	0.39	0.83	1	6	2	95	0.00	0.0	0.785	0.068	6	2	1	1
PL.44282	PL.44067	ABC	336 MCM AC	7.48Y	124.6	0.03	0.37	79.04	15	1695	523	96	0.22	0.0	0.574	0.043	0	0	1	188
PL.44283	PL.44282	ABC	336 MCM AC	7.48Y	124.6	0.03	0.40	79.04	15	1694	523	96	0.25	0.0	0.621	0.047	0	0	0	187
PL.44284	PL.44283	ABC	336 MCM AC	7.47Y	124.6	0.04	0.44	79.04	15	1694	522	96	0.35	0.0	0.688	0.067	0	0	0	187
PL.44013	PL.44284	C	6 A (CWC)	7.47Y	124.6	0.00	0.44	0.00	0	0	0	100	0.00	0.0	0.694	0.006	0	0	0	0
PD.6957	PL.44013	C	60QA	7.47Y	124.6	0.00	0.44	0.00	0	0	0	100	0.00	0.0	0.694	0.006	0	0	0	0
PL.44014	PD.6957	C	6 A (CWC)	7.47Y	124.6	0.00	0.44	0.00	0	0	0	100	0.00	0.0	0.745	0.051	0	0	0	0
PL.44015	PL.44014	C	6 A (CWC)	7.47Y	124.6	0.00	0.44	0.00	0	0	0	100	0.00	0.0	0.769	0.025	0	0	0	0
PL.44285	PL.44284	ABC	336 MCM AC	7.47Y	124.5	0.07	0.51	79.04	15	1694	521	96	0.60	0.0	0.803	0.114	9	2	1	187
PL.44593	PL.44285	ABC	#3/0 ACSR	7.47Y	124.4	0.06	0.57	72.33	24	1548	481	95	0.54	0.0	0.865	0.063	29	8	3	168
PL.44591	PL.44593	A	#4 ACSR	7.47Y	124.4	0.01	0.58	2.63	2	19	5	97	0.00	0.0	0.956	0.090	9	2	2	3
PL.44592	PL.44591	A	#4 ACSR	7.47Y	124.4	0.00	0.58	1.42	1	10	3	96	0.00	0.0	1.032	0.076	10	3	1	1
PL.44594	PL.44593	ABC	#3/0 ACSR	7.46Y	124.3	0.12	0.68	70.13	23	1500	467	95	1.06	0.1	0.994	0.129	0	0	0	162
PL.44598	PL.44594	ABC	#3/0 ACSR	7.46Y	124.3	0.05	0.74	66.82	22	1427	447	95	0.43	0.0	1.053	0.058	11	3	1	152
PL.43325	PL.44598	A	6 A (CWC)	7.46Y	124.3	0.00	0.74	0.00	0	0	0	100	0.00	0.0	1.058	0.006	0	0	0	1
PD.6921	PL.43325	A	60QA	7.46Y	124.3	0.00	0.74	0.00	0	0	0	100	0.00	0.0	1.058	0.006	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

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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.42480	PD.6921	A	6 A (CWC)	7.46Y	124.3	0.00	0.74	0.00	0	0	0	100	0.00	0.0	1.207	0.149	0	0	1	1
PL.43091	PL.44598	ABC	#3/0 ACSR	7.45Y	124.2	0.09	0.83	65.95	22	1408	441	95	0.80	0.1	1.162	0.109	0	0	0	149
PL.43787	PL.43091	ABC	#3/0 ACSR	7.45Y	124.1	0.07	0.89	64.85	22	1383	433	95	0.55	0.0	1.241	0.079	15	4	3	147
PL.43788	PL.43787	ABC	#3/0 ACSR	7.44Y	124.1	0.03	0.93	64.15	21	1367	428	95	0.29	0.0	1.283	0.042	0	0	0	144
PL.43789	PL.43788	ABC	#3/0 ACSR	7.44Y	124.0	0.07	1.00	64.15	21	1367	428	95	0.56	0.0	1.381	0.098	288	135	5	144
PL.43769	PL.43789	ABC	#3/0 ACSR	7.44Y	124.0	0.04	1.04	50.09	17	1079	293	97	0.29	0.0	1.449	0.068	0	0	1	139
PL.44603	PL.43769	ABC	#3/0 ACSR	7.43Y	123.9	0.05	1.10	47.68	16	1027	279	97	0.34	0.0	1.536	0.088	0	0	0	131
PL.44604	PL.44603	C	#4 ACSR	7.43Y	123.9	0.00	1.10	1.65	1	12	3	97	0.00	0.0	1.542	0.006	0	0	0	1
PD.6960	PL.44604	C	60QA	7.43Y	123.9	0.00	1.10	1.65	3	12	3	97	0.00	0.0	1.542	0.006	0	0	0	1
PL.44605	PD.6960	C	#4 ACSR	7.43Y	123.9	0.01	1.10	1.65	1	12	3	97	0.00	0.0	1.682	0.140	12	3	1	1
PL.44606	PL.44603	ABC	#3/0 ACSR	7.43Y	123.9	0.05	1.15	47.13	16	1015	275	97	0.33	0.0	1.627	0.090	8	2	1	130
PL.44607	PL.44606	ABC	#3/0 ACSR	7.43Y	123.8	0.02	1.17	46.78	16	1007	273	97	0.15	0.0	1.668	0.041	0	0	0	129
PL.44608	PL.44607	C	6 A (CWC)	7.43Y	123.8	0.00	1.18	16.02	11	115	31	97	0.00	0.0	1.674	0.006	0	0	0	14
PD.6818	PL.44608	C	50L	7.43Y	123.8	0.00	1.18	16.02	32	115	31	97	0.00	0.0	1.674	0.006	0	0	0	14
PL.44609	PD.6818	C	6 A (CWC)	7.43Y	123.8	0.04	1.22	16.02	11	115	31	97	0.04	0.0	1.735	0.062	9	3	1	14
PL.44611	PL.44609	C	6 A (CWC)	7.43Y	123.8	0.01	1.23	6.53	5	47	13	96	0.00	0.0	1.760	0.024	12	3	1	5
PL.44229	PL.44611	C	6 A (CWC)	7.42Y	123.7	0.03	1.26	4.84	3	35	9	97	0.01	0.0	1.914	0.155	12	3	1	4
PL.44137	PL.44229	C	6 A (CWC)	7.42Y	123.7	0.01	1.26	3.22	2	23	6	97	0.00	0.0	2.003	0.088	23	6	3	3
PL.44610	PL.44609	C	6 A (CWC)	7.42Y	123.7	0.08	1.30	8.19	6	59	16	97	0.03	0.1	1.950	0.214	1	0	1	8
PL.43806	PL.44610	C	6 A (CWC)	7.42Y	123.7	0.03	1.33	8.10	6	58	16	96	0.01	0.0	2.028	0.078	9	2	1	7
PL.44138	PL.43806	C	6 A (CWC)	7.42Y	123.6	0.06	1.38	6.83	5	49	13	97	0.02	0.0	2.204	0.177	0	0	0	6
PL.42504	PL.44138	C	6 A (CWC)	7.42Y	123.6	0.00	1.38	0.55	0	4	1	97	0.00	0.0	2.287	0.083	4	1	1	1
PL.44139	PL.44138	C	6 A (CWC)	7.42Y	123.6	0.02	1.41	6.08	4	44	12	96	0.01	0.0	2.294	0.089	0	0	0	4
PL.42973	PL.44139	C	6 A (CWC)	7.42Y	123.6	0.00	1.41	0.00	0	0	0	100	0.00	0.0	2.357	0.063	0	0	0	0
PL.44140	PL.44139	C	6 A (CWC)	7.41Y	123.5	0.06	1.46	6.08	4	44	12	96	0.02	0.0	2.500	0.206	0	0	0	4
PL.44141	PL.44140	C	6 A (CWC)	7.41Y	123.5	0.01	1.47	2.21	2	16	4	97	0.00	0.0	2.627	0.128	16	4	1	1
PL.44142	PL.44140	C	#4 ACSR	7.41Y	123.5	0.02	1.48	3.87	3	28	7	97	0.00	0.0	2.648	0.148	16	4	1	3
PL.44041	PL.44142	C	#4 ACSR	7.41Y	123.5	0.00	1.49	1.58	1	11	3	96	0.00	0.0	2.749	0.101	11	3	2	2
PL.43390	PL.44138	C	#1/0 ACSR	7.42Y	123.6	0.00	1.38	0.20	0	1	0	100	0.00	0.0	2.292	0.088	1	0	1	1
PL.43770	PL.44607	ABC	#1/0 ACSR	7.43Y	123.8	0.03	1.21	41.44	18	892	242	97	0.20	0.0	1.712	0.044	12	3	1	115
PL.42505	PL.43770	ABC	#1/0 ACSR	7.43Y	123.8	0.02	1.23	40.87	18	879	238	97	0.13	0.0	1.741	0.029	6	2	1	114

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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.42506	PL.42505	ABC	#1/0 ACSR	7.42Y	123.7	0.09	1.32	40.59	18	873	236	97	0.56	0.1	1.870	0.129	13	3	1	113
PL.64392	PL.42506	ABC	#1/0 ACSR	7.42Y	123.7	0.03	1.35	40.00	17	860	232	97	0.17	0.0	1.909	0.039	0	0	0	112
PL.64390	PL.64392	ABC	#1/0 ACSR	7.42Y	123.6	0.02	1.37	39.18	17	842	227	97	0.14	0.0	1.943	0.034	0	0	1	111
PL.64391	PL.64390	ABC	#1/0 ACSR	7.42Y	123.6	0.02	1.40	39.16	17	841	227	97	0.13	0.0	1.976	0.033	12	3	1	110
PL.63215	PL.64391	ABC	#1/0 ACSR	7.41Y	123.6	0.03	1.43	38.61	17	829	224	97	0.17	0.0	2.019	0.043	0	0	0	109
PL.63216	PL.63215	ABC	#1/0 ACSR	7.41Y	123.5	0.03	1.46	38.00	17	816	220	97	0.17	0.0	2.063	0.043	0	0	0	108
PL.58492	PL.63216	C	6 A (CWC)	7.41Y	123.5	0.00	1.46	16.37	12	117	32	96	0.00	0.0	2.066	0.003	0	0	0	14
PD.8694	PL.58492	C	30T	7.41Y	123.5	0.00	1.46	16.37	0	117	32	96	0.00	0.0	2.066	0.003	0	0	0	14
PL.58493	PD.8694	C	6 A (CWC)	7.41Y	123.5	0.05	1.50	16.37	12	117	32	96	0.04	0.0	2.127	0.062	0	0	0	14
PL.58491	PL.58493	C	6 A (CWC)	7.40Y	123.4	0.11	1.62	14.60	10	104	28	97	0.09	0.1	2.295	0.168	0	0	0	11
PL.44043	PL.58491	C	#4 ACSR	7.40Y	123.4	0.01	1.63	6.35	5	45	12	97	0.00	0.0	2.350	0.055	12	3	1	6
PL.44044	PL.44043	C	#4 ACSR	7.40Y	123.4	0.01	1.64	4.65	4	33	9	96	0.00	0.0	2.411	0.061	33	9	5	5
PL.44045	PL.58491	C	6 A (CWC)	7.40Y	123.3	0.05	1.66	8.25	6	59	16	97	0.02	0.0	2.449	0.154	26	7	1	5
PL.44046	PL.44045	C	6 A (CWC)	7.40Y	123.3	0.04	1.70	4.55	3	32	9	96	0.01	0.0	2.679	0.229	10	3	1	4
PL.42503	PL.44046	C	#4 ACSR	7.40Y	123.3	0.00	1.70	0.75	1	5	1	98	0.00	0.0	2.717	0.038	5	1	1	1
PL.44047	PL.44046	C	6 A (CWC)	7.40Y	123.3	0.01	1.71	2.45	2	18	5	96	0.00	0.0	2.762	0.084	6	2	1	2
PL.44078	PL.44047	C	#4 ACSR	7.40Y	123.3	0.00	1.71	0.00	0	0	0	100	0.00	0.0	2.791	0.029	0	0	0	0
PL.62484	PL.44047	C	6 A (CWC)	7.40Y	123.3	0.00	1.71	1.57	1	11	3	96	0.00	0.0	2.765	0.003	0	0	0	1
PD.9353	PL.62484	C	20T	7.40Y	123.3	0.00	1.71	1.57	0	11	3	96	0.00	0.0	2.765	0.003	0	0	0	1
PL.62485	PD.9353	C	6 A (CWC)	7.40Y	123.3	0.01	1.72	1.57	1	11	3	96	0.00	0.0	3.090	0.324	11	3	1	1
PL.44048	PL.62485	C	6 A (CWC)	7.40Y	123.3	0.00	1.72	0.00	0	0	0	100	0.00	0.0	3.200	0.110	0	0	0	0
PL.58490	PL.58493	C	6 A (CWC)	7.41Y	123.5	0.00	1.51	1.77	1	13	3	97	0.00	0.0	2.206	0.079	6	2	2	3
PL.44042	PL.58490	C	6 A (CWC)	7.41Y	123.5	0.00	1.51	0.90	1	6	2	95	0.00	0.0	2.260	0.053	6	2	1	1
PL.44049	PL.63216	ABC	#1/0 ACSR	7.41Y	123.4	0.10	1.56	32.54	14	699	189	97	0.50	0.1	2.240	0.177	0	0	0	94
PL.43883	PL.44049	A	6 A (CWC)	7.41Y	123.4	0.00	1.56	1.27	1	9	2	98	0.00	0.0	2.246	0.006	0	0	0	1
PD.6962	PL.43883	A	60QA	7.41Y	123.4	0.00	1.56	1.27	2	9	2	98	0.00	0.0	2.246	0.006	0	0	0	1
PL.43884	PD.6962	A	6 A (CWC)	7.41Y	123.4	0.01	1.57	1.27	1	9	2	98	0.00	0.0	2.446	0.201	9	2	1	1
PL.72536	PL.44049	ABC	#1/0 ACSR	7.40Y	123.4	0.03	1.58	32.12	14	689	186	97	0.12	0.0	2.283	0.043	0	0	0	93
PL.72535	PL.72536	A	1/0 AL URD	7.40Y	123.4	0.00	1.59	2.23	1	16	4	97	0.00	0.0	2.322	0.038	16	4	1	1
PL.72537	PL.72536	ABC	#1/0 ACSR	7.39Y	123.2	0.17	1.75	31.38	14	673	182	97	0.79	0.1	2.585	0.301	0	0	0	92
PL.59059	PL.72537	ABC	#2 ACSR	7.39Y	123.2	0.04	1.80	15.87	9	340	91	97	0.11	0.0	2.687	0.102	0	0	1	49

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PL.56349	PL.59059	C	#2 ACSR	7.39Y	123.2	0.00	1.80	2.89	2	21	5	97	0.00	0.0	2.693	0.006	0	0	0	4
PD.6871	PL.56349	C	60QA	7.39Y	123.2	0.00	1.80	2.89	5	21	5	97	0.00	0.0	2.693	0.006	0	0	0	4
PL.43885	PD.6871	C	#2 ACSR	7.39Y	123.2	0.00	1.80	2.89	2	21	5	97	0.00	0.0	2.720	0.027	0	0	0	4
PL.56346	PL.43885	C	#2 ACSR	7.39Y	123.2	0.00	1.80	1.52	1	11	3	96	0.00	0.0	2.751	0.031	0	0	0	3
PL.56350	PL.56346	C	#2 ACSR	7.39Y	123.2	0.00	1.80	0.00	0	0	0	100	0.00	0.0	2.795	0.044	0	0	1	1
PL.56347	PL.56346	C	#2 ACSR	7.39Y	123.2	0.00	1.80	1.51	1	11	3	96	0.00	0.0	2.793	0.042	11	3	2	2
PL.59457	PL.43885	C	#2 ACSR	7.39Y	123.2	0.00	1.80	1.38	1	10	2	98	0.00	0.0	2.795	0.075	0	0	0	1
PL.59459	PL.59457	C	1/0 AL URD	7.39Y	123.2	-0.00	1.80	-0.05	0	0	0	100	0.00	0.0	2.890	0.095	0	0	0	0
PL.59458	PL.59457	C	#2 ACSR	7.39Y	123.2	0.01	1.81	1.39	1	10	3	96	0.00	0.0	3.028	0.233	10	3	1	1
PL.56348	PL.59059	ABC	#2 ACSR	7.39Y	123.1	0.08	1.88	14.91	9	319	86	97	0.20	0.1	2.904	0.217	0	0	0	44
PL.43897	PL.56348	C	6 A (CWC)	7.39Y	123.1	0.01	1.88	23.58	17	168	45	97	0.01	0.0	2.910	0.006	0	0	0	23
PD.6819	PL.43897	C	50L	7.39Y	123.1	0.00	1.88	23.58	47	168	45	97	0.00	0.0	2.910	0.006	0	0	0	23
PL.64525	PD.6819	C	6 A (CWC)	7.38Y	123.1	0.05	1.94	23.58	17	168	45	97	0.07	0.0	2.959	0.050	0	0	0	23
PL.64526	PL.64525	C	6 A (CWC)	7.38Y	123.0	0.03	1.96	23.58	17	168	45	97	0.04	0.0	2.986	0.027	0	0	0	23
PL.64527	PL.64526	C	6 A (CWC)	7.38Y	123.0	0.07	2.04	23.58	17	168	45	97	0.09	0.1	3.052	0.067	0	0	0	23
PL.43898	PL.64527	C	6 A (CWC)	7.37Y	122.9	0.07	2.11	23.58	17	168	45	97	0.08	0.1	3.118	0.066	12	3	2	23
PL.44423	PL.43898	C	#4 ACSR	7.37Y	122.9	0.02	2.13	14.22	11	101	27	97	0.02	0.0	3.156	0.037	0	0	0	14
PL.44424	PL.44423	C	#4 ACSR	7.37Y	122.8	0.03	2.16	14.22	11	101	27	97	0.02	0.0	3.207	0.051	15	4	2	14
PL.44425	PL.44424	C	#4 ACSR	7.37Y	122.8	0.00	2.16	4.44	3	32	8	97	0.00	0.0	3.235	0.029	11	3	1	5
PL.44429	PL.44425	C	#4 ACSR	7.37Y	122.8	0.01	2.17	2.89	2	21	6	96	0.00	0.0	3.321	0.086	15	4	3	4
PL.44430	PL.44429	C	#4 ACSR	7.37Y	122.8	0.00	2.17	0.75	1	5	1	98	0.00	0.0	3.405	0.085	5	1	1	1
PL.44426	PL.44424	C	#4 ACSR	7.37Y	122.8	0.01	2.17	7.73	6	55	15	96	0.00	0.0	3.254	0.047	21	6	2	7
PL.44427	PL.44426	C	#4 ACSR	7.37Y	122.8	0.01	2.18	4.73	4	34	9	97	0.00	0.0	3.303	0.049	0	0	0	5
PL.44428	PL.44427	C	#4 ACSR	7.37Y	122.8	0.00	2.18	1.02	1	7	2	96	0.00	0.0	3.334	0.031	7	2	1	1
PL.43800	PL.44427	C	#4 ACSR	7.37Y	122.8	0.00	2.18	2.91	2	21	6	96	0.00	0.0	3.348	0.046	21	6	3	3
PL.43775	PL.44427	C	#2 ACSR	7.37Y	122.8	0.00	2.18	0.80	0	6	2	95	0.00	0.0	3.372	0.069	6	2	1	1
PL.43899	PL.43898	C	#4 ACSR	7.37Y	122.9	0.01	2.12	7.64	6	54	15	96	0.00	0.0	3.153	0.035	4	1	2	7
PL.44420	PL.43899	C	#4 ACSR	7.37Y	122.9	0.01	2.13	7.02	5	50	13	97	0.00	0.0	3.194	0.041	24	6	2	5
PL.44421	PL.44420	C	#4 ACSR	7.37Y	122.9	0.00	2.13	3.65	3	26	7	97	0.00	0.0	3.220	0.026	6	2	1	3
PL.44422	PL.44421	C	#4 ACSR	7.37Y	122.9	0.00	2.13	1.04	1	7	2	96	0.00	0.0	3.282	0.062	7	2	1	1
PL.42972	PL.44421	C	#2 ACSR	7.37Y	122.9	0.00	2.13	1.80	1	13	3	97	0.00	0.0	3.246	0.025	13	3	1	1

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Balanced Voltage Drop Report
Source: Maplesville

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.44431	PL.56348	ABC	#2 ACSR	7.39Y	123.1	0.04	1.91	7.05	4	151	41	97	0.04	0.0	3.113	0.209	0	0	0	21
PL.56351	PL.44431	A	#2 ACSR	7.39Y	123.1	0.00	1.92	1.17	1	8	2	97	0.00	0.0	3.245	0.132	8	2	1	1
PL.44432	PL.44431	ABC	#2 ACSR	7.38Y	123.1	0.01	1.92	6.66	4	142	38	97	0.01	0.0	3.164	0.051	0	0	0	20
PL.43875	PL.44432	C	6 A (CWC)	7.38Y	123.1	0.00	1.92	2.10	1	15	4	97	0.00	0.0	3.170	0.006	0	0	0	3
PD.6870	PL.43875	C	60QA	7.38Y	123.1	0.00	1.92	2.10	3	15	4	97	0.00	0.0	3.170	0.006	0	0	0	3
PL.44230	PD.6870	C	6 A (CWC)	7.38Y	123.1	0.01	1.94	2.10	1	15	4	97	0.00	0.0	3.349	0.179	7	2	2	3
PL.44231	PL.44230	C	6 A (CWC)	7.38Y	123.1	0.00	1.94	1.12	1	8	2	97	0.00	0.0	3.388	0.039	8	2	1	1
PL.43876	PL.44432	C	#2 ACSR	7.38Y	123.1	0.00	1.93	14.47	8	103	28	96	0.00	0.0	3.170	0.006	0	0	0	14
PD.6869	PL.43876	C	60QA	7.38Y	123.1	0.00	1.93	14.47	24	103	28	96	0.00	0.0	3.170	0.006	0	0	0	14
PL.44232	PD.6869	C	#2 ACSR	7.38Y	123.0	0.03	1.96	14.47	8	103	28	96	0.03	0.0	3.246	0.076	3	1	2	14
PL.44233	PL.44232	C	#2 ACSR	7.38Y	123.0	0.04	2.00	14.09	8	100	27	97	0.03	0.0	3.343	0.098	14	4	1	12
PL.44235	PL.44233	C	6 A (CWC)	7.38Y	123.0	0.00	2.00	6.16	4	44	12	96	0.00	0.0	3.349	0.006	0	0	0	6
PD.6941	PL.44235	C	60QA	7.38Y	123.0	0.00	2.00	6.16	10	44	12	96	0.00	0.0	3.349	0.006	0	0	0	6
PL.44240	PD.6941	C	6 A (CWC)	7.38Y	123.0	0.01	2.02	6.16	4	44	12	96	0.00	0.0	3.430	0.081	33	9	4	6
PL.44241	PL.44240	C	6 A (CWC)	7.38Y	123.0	0.00	2.02	1.51	1	11	3	96	0.00	0.0	3.467	0.037	11	3	2	2
PL.44099	PL.44233	C	#2 ACSR	7.38Y	123.0	0.00	2.00	0.00	0	0	0	100	0.00	0.0	3.394	0.051	0	0	0	0
PL.44100	PL.44099	C	#2 ACSR	7.38Y	123.0	0.00	2.00	0.00	0	0	0	100	0.00	0.0	3.414	0.020	0	0	0	0
PL.44234	PL.44233	C	6 A (CWC)	7.38Y	123.0	0.00	2.00	5.93	4	42	11	97	0.00	0.0	3.349	0.006	0	0	0	5
PD.6839	PL.44234	C	60QA	7.38Y	123.0	0.00	2.00	5.93	10	42	11	97	0.00	0.0	3.349	0.006	0	0	0	5
PL.44236	PD.6839	C	6 A (CWC)	7.38Y	123.0	0.02	2.02	5.93	4	42	11	97	0.00	0.0	3.423	0.074	11	3	2	5
PL.44237	PL.44236	C	6 A (CWC)	7.38Y	123.0	0.01	2.03	4.38	3	31	8	97	0.00	0.0	3.486	0.063	5	1	1	3
PL.44238	PL.44237	C	6 A (CWC)	7.38Y	123.0	0.01	2.04	3.70	3	26	7	97	0.00	0.0	3.543	0.058	12	3	1	2
PL.44239	PL.44238	C	6 A (CWC)	7.38Y	123.0	0.00	2.04	1.98	1	14	4	96	0.00	0.0	3.582	0.039	14	4	1	1
PL.56641	PL.44432	C	6 A (CWC)	7.38Y	123.1	0.00	1.92	3.39	2	24	7	96	0.00	0.0	3.171	0.007	0	0	0	3
PD.8326	PL.56641	C	20QA	7.38Y	123.1	0.00	1.92	3.39	17	24	7	96	0.00	0.0	3.171	0.007	0	0	0	3
PL.56642	PD.8326	C	6 A (CWC)	7.38Y	123.1	0.00	1.93	3.39	2	24	7	96	0.00	0.0	3.192	0.021	9	2	1	3
PL.43873	PL.56642	C	6 A (CWC)	7.38Y	123.1	0.00	1.93	2.13	2	15	4	97	0.00	0.0	3.221	0.029	0	0	0	2
PL.43874	PL.43873	C	6 A (CWC)	7.38Y	123.1	0.01	1.94	2.13	2	15	4	97	0.00	0.0	3.355	0.134	15	4	2	2
PL.42971	PL.43873	C	6 A (CWC)	7.38Y	123.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	3.330	0.109	0	0	0	0
PL.59062	PL.72537	ABC	#2 ACSR	7.39Y	123.2	0.06	1.81	14.08	8	301	81	97	0.13	0.0	2.747	0.162	0	0	0	37
PL.59065	PL.59062	A	6 A (CWC)	7.39Y	123.2	0.00	1.82	20.21	14	144	39	97	0.00	0.0	2.751	0.004	0	0	0	18

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Balanced Voltage Drop Report
Source: Maplesville

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.8669	PL.59065	A	50L	7.39Y	123.2	0.00	1.82	20.21	40	144	39	97	0.00	0.0	2.751	0.004	0	0	0	18
PL.59066	PD.8669	A	6 A (CWC)	7.38Y	123.0	0.21	2.03	20.21	14	144	39	97	0.23	0.2	2.982	0.231	0	0	0	18
PL.59057	PL.59066	A	#4 ACSR	7.38Y	123.0	0.00	2.03	0.00	0	0	0	100	0.00	0.0	3.078	0.096	0	0	1	1
PL.59058	PL.59066	A	6 A (CWC)	7.38Y	123.0	0.02	2.04	20.21	14	144	39	97	0.02	0.0	3.000	0.018	11	3	1	17
PL.44623	PL.59058	A	6 A (CWC)	7.37Y	122.8	0.13	2.17	18.68	13	133	36	97	0.13	0.1	3.150	0.150	0	0	0	16
PL.44624	PL.44623	A	6 A (CWC)	7.33Y	122.1	0.74	2.92	18.68	13	133	36	97	0.72	0.5	4.057	0.907	11	3	1	16
PL.44625	PL.44624	A	6 A (CWC)	7.32Y	122.0	0.07	2.98	17.19	12	122	33	97	0.06	0.0	4.145	0.089	7	2	1	15
PL.44626	PL.44625	A	6 A (CWC)	7.32Y	122.0	0.04	3.03	16.15	12	114	31	96	0.04	0.0	4.204	0.058	0	0	1	14
PL.44627	PL.44626	A	6 A (CWC)	7.32Y	121.9	0.05	3.07	16.13	12	114	31	96	0.04	0.0	4.268	0.065	0	0	0	13
PL.44628	PL.44627	A	6 A (CWC)	7.31Y	121.9	0.04	3.11	16.13	12	114	31	96	0.03	0.0	4.324	0.056	12	3	1	13
PL.57915	PL.44628	A	6 A (CWC)	7.31Y	121.9	0.04	3.15	14.37	10	101	27	97	0.03	0.0	4.381	0.057	11	3	1	12
PL.62713	PL.57915	A	6 A (CWC)	7.31Y	121.8	0.07	3.22	12.88	9	91	24	97	0.05	0.1	4.518	0.137	18	5	2	11
PL.62714	PL.62713	A	6 A (CWC)	7.31Y	121.8	0.00	3.22	10.27	7	72	19	97	0.00	0.0	4.518	0.000	0	0	0	9
PL.63175	PL.62714	A	6 A (CWC)	7.31Y	121.8	0.00	3.22	10.27	7	72	19	97	0.00	0.0	4.519	0.001	0	0	0	9
PL.63176	PL.63175	A	6 A (CWC)	7.30Y	121.7	0.04	3.26	10.27	7	72	19	97	0.02	0.0	4.612	0.093	0	0	0	9
PL.44630	PL.63176	A	#4 ACSR	7.30Y	121.7	0.02	3.28	3.40	3	24	6	97	0.00	0.0	4.735	0.123	0	0	0	2
PL.44631	PL.44630	A	#4 ACSR	7.30Y	121.7	0.01	3.29	3.40	3	24	6	97	0.00	0.0	4.807	0.072	14	4	1	2
PL.44632	PL.44631	A	#4 ACSR	7.30Y	121.7	0.01	3.30	1.45	1	10	3	96	0.00	0.0	4.980	0.172	10	3	1	1
PL.44629	PL.63176	A	6 A (CWC)	7.30Y	121.7	0.02	3.29	6.86	5	48	13	97	0.01	0.0	4.683	0.071	0	0	0	7
PL.43434	PL.44629	A	#4 ACSR	7.30Y	121.7	0.02	3.31	2.61	2	18	5	96	0.00	0.0	4.859	0.176	0	0	0	4
PL.44634	PL.43434	A	#2 ACSR	7.30Y	121.7	0.03	3.33	2.61	1	18	5	96	0.00	0.0	5.171	0.312	1	0	1	4
PL.44635	PL.44634	A	#2 ACSR	7.30Y	121.7	0.00	3.34	2.52	1	18	5	96	0.00	0.0	5.221	0.050	0	0	0	3
PL.44636	PL.44635	A	#2 ACSR	7.30Y	121.7	0.01	3.35	2.52	1	18	5	96	0.00	0.0	5.409	0.188	5	1	1	3
PL.44637	PL.44636	A	#2 ACSR	7.30Y	121.6	0.00	3.35	1.76	1	12	3	97	0.00	0.0	5.537	0.128	12	3	1	2
PL.44638	PL.44637	A	#2 ACSR	7.30Y	121.6	0.00	3.35	0.01	0	0	0	100	0.00	0.0	5.791	0.254	0	0	1	1
PL.59067	PL.44629	A	#4 ACSR	7.30Y	121.7	0.02	3.30	4.25	3	30	8	97	0.00	0.0	4.766	0.083	0	0	0	3
PL.59068	PL.59067	A	#2 ACSR	7.30Y	121.7	0.00	3.30	1.83	1	13	3	97	0.00	0.0	4.796	0.030	13	3	1	1
PL.59069	PL.59067	A	#4 ACSR	7.30Y	121.7	0.02	3.32	2.42	2	17	5	96	0.00	0.0	4.966	0.200	10	3	1	2
PL.44633	PL.59069	A	#4 ACSR	7.30Y	121.7	0.00	3.32	1.01	1	7	2	96	0.00	0.0	5.118	0.152	7	2	1	1
PL.63177	PL.62714	A	#1/0 ACSR	7.31Y	121.8	0.00	3.22	0.00	0	0	0	100	0.00	0.0	4.522	0.003	0	0	0	0
PD.9468	PL.63177	A	10T	7.31Y	121.8	0.00	3.22	0.00	0	0	0	100	0.00	0.0	4.522	0.003	0	0	0	0

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Balanced Voltage Drop Report
Source: Maplesville

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.63178	PD.9468	A	#1/0 ACSR	7.31Y	121.8	0.00	3.22	0.00	0	0	0	100	0.00	0.0	4.626	0.105	0	0	0	0
PL.59063	PL.59062	ABC	#2 ACSR	7.39Y	123.2	0.02	1.83	7.34	4	157	42	97	0.03	0.0	2.864	0.118	0	0	0	19
PL.59064	PL.59063	ABC	#2 ACSR	7.39Y	123.2	0.01	1.84	7.34	4	157	42	97	0.01	0.0	2.926	0.062	6	2	1	19
PL.44612	PL.59064	ABC	#2 ACSR	7.39Y	123.1	0.03	1.88	7.05	4	151	40	97	0.04	0.0	3.108	0.181	0	0	0	18
PL.44614	PL.44612	B	#4 ACSR	7.39Y	123.1	0.00	1.88	18.45	14	132	35	97	0.00	0.0	3.113	0.006	0	0	0	15
PD.6922	PL.44614	B	30T	7.39Y	123.1	0.00	1.88	18.45	0	132	35	97	0.00	0.0	3.113	0.006	0	0	0	15
PL.44615	PD.6922	B	#4 ACSR	7.38Y	123.0	0.08	1.96	18.45	14	132	35	97	0.08	0.1	3.216	0.103	11	3	1	15
PL.44616	PL.44615	B	#4 ACSR	7.38Y	123.0	0.02	1.98	16.90	13	120	32	97	0.02	0.0	3.245	0.028	11	3	1	14
PL.44617	PL.44616	B	#4 ACSR	7.38Y	123.0	0.03	2.01	15.30	12	109	29	97	0.02	0.0	3.290	0.045	21	6	2	13
PL.44618	PL.44617	B	#4 ACSR	7.38Y	123.0	0.01	2.02	12.40	10	88	24	96	0.01	0.0	3.314	0.024	27	7	3	11
PL.44619	PL.44618	B	#4 ACSR	7.38Y	123.0	0.01	2.04	8.65	7	62	17	96	0.01	0.0	3.358	0.044	29	8	3	8
PL.44620	PL.44619	B	#4 ACSR	7.38Y	123.0	0.01	2.04	4.59	4	33	9	96	0.00	0.0	3.402	0.044	10	3	1	5
PL.44621	PL.44620	B	#4 ACSR	7.38Y	123.0	0.00	2.05	3.14	2	22	6	96	0.00	0.0	3.439	0.037	14	4	3	4
PL.44622	PL.44621	B	#4 ACSR	7.38Y	123.0	0.00	2.05	1.18	1	8	2	97	0.00	0.0	3.484	0.045	8	2	1	1
PL.44613	PL.44612	B	#2 ACSR	7.39Y	123.1	0.01	1.89	2.71	2	19	5	97	0.00	0.0	3.219	0.112	0	0	0	3
PL.43436	PL.44613	B	6 A (CWC)	7.39Y	123.1	0.00	1.89	1.52	1	11	3	96	0.00	0.0	3.346	0.126	11	3	1	1
PL.63778	PL.44613	B	1/0 AL URD	7.39Y	123.1	0.00	1.89	1.19	1	9	2	98	0.00	0.0	3.270	0.050	0	0	0	2
PL.63779	PL.63778	B	1/0 AL URD	7.39Y	123.1	0.00	1.89	1.20	1	9	2	98	0.00	0.0	3.270	0.001	9	2	2	2
PL.59061	PL.72537	C	#1/0 ACSR	7.39Y	123.2	0.00	1.75	4.28	2	31	8	97	0.00	0.0	2.589	0.005	0	0	0	6
PD.8734	PL.59061	C	40QA	7.39Y	123.2	0.00	1.75	4.28	11	31	8	97	0.00	0.0	2.589	0.005	0	0	0	6
PL.58767	PD.8734	C	#1/0 ACSR	7.39Y	123.2	0.00	1.76	4.28	2	31	8	97	0.00	0.0	2.642	0.052	12	3	2	6
PL.63895	PL.58767	C	#1/0 ACSR	7.39Y	123.2	0.01	1.77	2.55	1	18	5	96	0.00	0.0	2.775	0.133	2	1	2	4
PL.63896	PL.63895	C	#1/0 ACSR	7.39Y	123.2	0.00	1.77	2.23	1	16	4	97	0.00	0.0	2.775	0.000	9	2	1	2
PL.56352	PL.63896	C	#2 ACSR	7.39Y	123.2	0.00	1.77	1.01	1	7	2	96	0.00	0.0	2.833	0.058	7	2	1	1
PL.63218	PL.63215	A	#1/0 ACSR	7.41Y	123.6	0.00	1.43	1.84	1	13	3	97	0.00	0.0	2.023	0.004	0	0	0	1
PD.9470	PL.63218	A	25T	7.41Y	123.6	0.00	1.43	1.84	0	13	3	97	0.00	0.0	2.023	0.004	0	0	0	1
PL.63219	PD.9470	A	#1/0 ACSR	7.41Y	123.6	0.00	1.43	1.84	1	13	3	97	0.00	0.0	2.037	0.014	0	0	0	1
PL.63217	PL.63219	A	1/0 AL URD	7.41Y	123.6	0.00	1.43	1.84	1	13	3	97	0.00	0.0	2.087	0.050	13	4	1	1
PL.64393	PL.64392	A	6 A (CWC)	7.42Y	123.7	0.00	1.35	2.47	2	18	5	96	0.00	0.0	1.915	0.006	0	0	0	1
PD.6840	PL.64393	A	60QA	7.42Y	123.7	0.00	1.35	2.47	4	18	5	96	0.00	0.0	1.915	0.006	0	0	0	1
PL.43592	PD.6840	A	6 A (CWC)	7.42Y	123.6	0.00	1.35	2.47	2	18	5	96	0.00	0.0	1.977	0.062	18	5	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: Maplesville

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.44214	PL.43769	C	#2 ACSR	7.44Y	124.0	0.00	1.04	7.21	4	52	14	97	0.00	0.0	1.454	0.006	0	0	0	7
PD.6867	PL.44214	C	60QA	7.44Y	124.0	0.00	1.04	7.21	12	52	14	97	0.00	0.0	1.454	0.006	0	0	0	7
PL.44215	PD.6867	C	#2 ACSR	7.44Y	123.9	0.01	1.05	7.21	4	52	14	97	0.00	0.0	1.495	0.041	0	0	0	7
PL.42950	PL.44215	C	#2 ACSR	7.44Y	123.9	0.01	1.06	7.21	4	52	14	97	0.00	0.0	1.534	0.039	0	0	0	7
PL.42951	PL.42950	C	#2 ACSR	7.44Y	123.9	0.01	1.07	7.21	4	52	14	97	0.00	0.0	1.558	0.024	3	1	1	7
PL.44600	PL.42951	C	#2 ACSR	7.44Y	123.9	0.01	1.08	6.75	4	48	13	97	0.00	0.0	1.598	0.040	6	2	1	6
PL.44601	PL.44600	C	#2 ACSR	7.44Y	123.9	0.01	1.08	5.92	3	43	11	97	0.00	0.0	1.650	0.052	31	8	4	5
PL.44602	PL.44601	C	#2 ACSR	7.44Y	123.9	0.00	1.08	1.60	1	12	3	97	0.00	0.0	1.680	0.031	12	3	1	1
PL.43867	PL.43789	ABC	#4 ACSR	7.44Y	124.0	-0.00	1.00	-0.02	0	0	-1	0	0.00	0.0	1.387	0.006	0	0	0	0
PD.6918	PL.43867	ABC	60QA	7.44Y	124.0	0.00	1.00	-0.02	0	0	-1	0	0.00	0.0	1.387	0.006	0	0	0	0
PL.44599	PD.6918	ABC	#4 ACSR	7.44Y	124.0	-0.00	1.00	-0.02	0	0	-1	0	0.00	0.0	1.454	0.067	0	0	0	0
PL.43576	PL.44599	ABC	1/0 AL URD	7.44Y	124.0	0.00	1.00	-0.02	0	0	-1	0	0.00	0.0	1.500	0.046	0	0	0	0
PL.42949	PL.43091	A	#4 ACSR	7.45Y	124.2	0.00	0.83	3.29	3	24	6	97	0.00	0.0	1.167	0.006	0	0	0	2
PD.6868	PL.42949	A	60QA	7.45Y	124.2	0.00	0.83	3.29	5	24	6	97	0.00	0.0	1.167	0.006	0	0	0	2
PL.42952	PD.6868	A	#4 ACSR	7.45Y	124.2	0.00	0.83	3.29	3	24	6	97	0.00	0.0	1.194	0.026	24	6	2	2
PL.43786	PL.42952	A	#4 ACSR	7.45Y	124.2	0.00	0.83	0.00	0	0	0	100	0.00	0.0	1.259	0.066	0	0	0	0
PL.43323	PL.44598	C	#4 ACSR	7.46Y	124.3	0.00	0.74	1.04	1	7	2	96	0.00	0.0	1.058	0.006	0	0	0	1
PD.6961	PL.43323	C	60QA	7.46Y	124.3	0.00	0.74	1.04	2	7	2	96	0.00	0.0	1.058	0.006	0	0	0	1
PL.43324	PD.6961	C	#4 ACSR	7.46Y	124.3	0.00	0.74	1.04	1	7	2	96	0.00	0.0	1.102	0.043	7	2	1	1
PL.59793	PL.44594	A	#4 ACSR	7.46Y	124.3	0.00	0.69	9.92	8	71	19	97	0.00	0.0	0.998	0.003	0	0	0	10
PD.8829	PL.59793	A	30T	7.46Y	124.3	0.00	0.69	9.92	0	71	19	97	0.00	0.0	0.998	0.003	0	0	0	10
PL.59794	PD.8829	A	#4 ACSR	7.46Y	124.3	0.02	0.71	9.92	8	71	19	97	0.01	0.0	1.062	0.064	19	5	2	10
PL.59792	PL.59794	A	#4 ACSR	7.46Y	124.3	0.01	0.72	7.31	6	53	14	97	0.00	0.0	1.097	0.035	12	3	1	8
PL.44595	PL.59792	A	#4 ACSR	7.46Y	124.3	0.01	0.73	5.63	4	41	11	97	0.00	0.0	1.120	0.024	0	0	1	7
PL.44596	PL.44595	A	#4 ACSR	7.46Y	124.3	0.01	0.73	5.63	4	41	11	97	0.00	0.0	1.155	0.034	13	3	2	6
PL.44597	PL.44596	A	#4 ACSR	7.45Y	124.2	0.03	0.77	3.87	3	28	7	97	0.01	0.0	1.353	0.198	0	0	0	4
PL.43565	PL.44597	A	#2 ACSR	7.45Y	124.2	0.00	0.77	2.09	1	15	4	97	0.00	0.0	1.369	0.016	15	4	1	1
PL.57483	PL.44597	A	#4 ACSR	7.45Y	124.2	0.00	0.77	1.79	1	13	3	97	0.00	0.0	1.395	0.042	0	0	0	3
PL.57767	PL.57483	A	#4 ACSR	7.45Y	124.2	0.00	0.77	0.01	0	0	0	100	0.00	0.0	1.550	0.155	0	0	1	1
PL.57484	PL.57483	A	#4 ACSR	7.45Y	124.2	0.00	0.78	1.78	1	13	3	97	0.00	0.0	1.473	0.078	9	2	1	2
PL.44309	PL.57484	A	#4 ACSR	7.45Y	124.2	0.00	0.78	0.51	0	4	1	97	0.00	0.0	1.542	0.069	4	1	1	1

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Balanced Voltage Drop Report
Source: Maplesville

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.58411	PL.44285	C	6 A (CWC)	7.47Y	124.5	0.00	0.51	18.92	14	136	37	96	0.00	0.0	0.804	0.001	0	0	0	18
PD.8581	PL.58411	C	25T	7.47Y	124.5	0.00	0.51	18.92	0	136	37	96	0.00	0.0	0.804	0.001	0	0	0	18
PL.58412	PD.8581	C	6 A (CWC)	7.47Y	124.5	0.00	0.51	18.92	14	136	37	96	0.00	0.0	0.804	0.000	0	0	0	18
PL.58409	PL.58412	C	6 A (CWC)	7.47Y	124.5	0.00	0.52	3.54	3	26	7	97	0.00	0.0	0.861	0.057	26	7	2	2
PL.58410	PL.58412	C	6 A (CWC)	7.46Y	124.4	0.08	0.59	15.38	11	111	30	97	0.06	0.1	0.916	0.113	4	1	1	16
PL.59717	PL.58410	C	#2 ACSR	7.46Y	124.4	0.00	0.59	4.84	3	35	9	97	0.00	0.0	0.959	0.042	35	9	3	3
PL.44018	PL.58410	C	6 A (CWC)	7.46Y	124.4	0.04	0.63	9.75	7	70	19	97	0.02	0.0	1.004	0.087	0	0	0	10
PL.44019	PL.44018	C	6 A (CWC)	7.46Y	124.4	0.01	0.64	9.75	7	70	19	97	0.01	0.0	1.028	0.024	0	0	0	10
PL.44583	PL.44019	C	6 A (CWC)	7.46Y	124.3	0.02	0.66	9.75	7	70	19	97	0.01	0.0	1.067	0.039	0	0	0	10
PL.44584	PL.44583	C	6 A (CWC)	7.46Y	124.3	0.05	0.71	9.75	7	70	19	97	0.03	0.0	1.186	0.119	7	2	1	10
PL.44277	PL.44584	C	6 A (CWC)	7.46Y	124.3	0.00	0.71	1.00	1	7	2	96	0.00	0.0	1.219	0.033	7	2	1	1
PL.44585	PL.44584	C	6 A (CWC)	7.46Y	124.3	0.01	0.72	7.73	6	56	15	97	0.00	0.0	1.215	0.029	9	2	2	8
PL.44121	PL.44585	C	#2 ACSR	7.46Y	124.3	0.01	0.72	1.99	1	14	4	96	0.00	0.0	1.436	0.221	14	4	1	1
PL.44586	PL.44585	C	6 A (CWC)	7.46Y	124.3	0.01	0.73	4.52	3	33	9	96	0.00	0.0	1.269	0.054	1	0	1	5
PL.44587	PL.44586	C	6 A (CWC)	7.46Y	124.3	0.01	0.73	4.32	3	31	8	97	0.00	0.0	1.301	0.032	7	2	1	4
PL.44588	PL.44587	C	6 A (CWC)	7.46Y	124.3	0.02	0.75	3.37	2	24	7	96	0.00	0.0	1.437	0.136	8	2	1	3
PL.44589	PL.44588	C	6 A (CWC)	7.45Y	124.2	0.00	0.75	2.24	2	16	4	97	0.00	0.0	1.473	0.036	0	0	0	2
PL.44590	PL.44589	C	6 A (CWC)	7.45Y	124.2	0.00	0.75	0.00	0	0	0	100	0.00	0.0	1.565	0.092	0	0	0	0
PL.43778	PL.44589	C	6 A (CWC)	7.45Y	124.2	0.00	0.76	2.24	2	16	4	97	0.00	0.0	1.538	0.065	16	4	2	2
PL.44016	PL.58410	C	6 A (CWC)	7.46Y	124.4	0.00	0.59	0.27	0	2	1	89	0.00	0.0	0.977	0.061	1	0	1	2
PL.42932	PL.44016	C	#2 ACSR	7.46Y	124.4	0.00	0.59	0.19	0	1	0	100	0.00	0.0	1.004	0.027	1	0	1	1
PL.44017	PL.44016	C	6 A (CWC)	7.46Y	124.4	0.00	0.59	0.00	0	0	0	100	0.00	0.0	1.070	0.093	0	0	0	0
PL.44166	PL.42958	C	#4 ACSR	7.49Y	124.9	0.00	0.10	12.56	10	91	24	97	0.00	0.0	0.146	0.006	0	0	0	11
PD.6858	PL.44166	C	25T	7.49Y	124.9	0.00	0.10	12.56	0	91	24	97	0.00	0.0	0.146	0.006	0	0	0	11
PL.43976	PD.6858	C	#4 ACSR	7.49Y	124.8	0.08	0.18	12.56	10	91	24	97	0.05	0.1	0.291	0.145	0	0	0	11
PL.44210	PL.43976	C	#4 ACSR	7.49Y	124.8	0.02	0.20	6.94	5	50	13	97	0.01	0.0	0.351	0.060	9	3	1	5
PL.44211	PL.44210	C	#4 ACSR	7.49Y	124.8	0.02	0.21	5.64	4	41	11	97	0.00	0.0	0.426	0.075	9	2	1	4
PL.44212	PL.44211	C	#4 ACSR	7.49Y	124.8	0.01	0.22	4.43	3	32	9	96	0.00	0.0	0.520	0.095	24	6	2	3
PL.44213	PL.44212	C	#4 ACSR	7.49Y	124.8	0.00	0.23	1.12	1	8	2	97	0.00	0.0	0.654	0.133	8	2	1	1
PL.42976	PL.43976	C	#2 ACSR	7.49Y	124.8	0.00	0.18	1.07	1	8	2	97	0.00	0.0	0.336	0.045	8	2	1	1
PL.44208	PL.43976	C	#4 ACSR	7.49Y	124.8	0.00	0.18	4.54	3	33	9	96	0.00	0.0	0.321	0.030	24	6	4	5

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

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

PL.44209	PL.44208	C	#4 ACSR	7.49Y	124.8	0.00	0.18	1.28	1	9	2	98	0.00	0.0	0.379	0.058	9	2	1	1
PL.52998	Maplesville	ABC	#3/0 ACSR	7.50Y	125.0	0.00	0.00	176.04	59	3743	1295	95	0.10	0.0	0.002	0.002	0	0	0	444
PL.53002	PL.52998	ABC	#3/0 ACSR	7.50Y	125.0	0.01	0.01	176.04	59	3743	1295	95	0.15	0.0	0.005	0.003	0	0	0	444

----- Feeder No. 1 (McWhorter F1) Beginning with Device PD.8061 -----																				
PD.8061	PL.53002	ABC	480VWE	7.50Y	125.0	0.00	0.01	176.04	0	3743	1295	95	0.00	0.0	0.005	0.003	0	0	0	444
PL.44197	PD.8061	ABC	#3/0 ACSR	7.49Y	124.8	0.17	0.18	176.04	59	3743	1295	95	3.73	0.1	0.076	0.072	0	0	0	444
PL.44330	PL.44197	ABC	#3/0 ACSR	7.48Y	124.7	0.14	0.32	176.04	59	3739	1290	95	3.19	0.1	0.138	0.061	9	2	2	444
PL.43678	PL.44330	ABC	#3/0 ACSR	7.46Y	124.4	0.26	0.58	174.64	58	3706	1277	95	5.85	0.2	0.252	0.114	6	2	1	439
PL.43679	PL.43678	A	6 A (CWC)	7.46Y	124.4	0.00	0.59	3.92	3	28	8	96	0.00	0.0	0.258	0.006	0	0	0	2
PD.6902	PL.43679	A	60QA	7.46Y	124.4	0.00	0.59	3.92	7	28	8	96	0.00	0.0	0.258	0.006	0	0	0	2
PL.43680	PD.6902	A	6 A (CWC)	7.46Y	124.4	0.00	0.59	3.92	3	28	8	96	0.00	0.0	0.309	0.052	28	8	2	2
PL.43683	PL.43678	ABC	#3/0 ACSR	7.45Y	124.2	0.23	0.81	173.05	58	3665	1259	95	5.02	0.1	0.352	0.100	29	8	2	436
PL.43684	PL.43683	ABC	#3/0 ACSR	7.44Y	124.0	0.17	0.99	171.69	57	3631	1244	95	3.77	0.1	0.428	0.076	0	0	0	434
PL.43681	PL.43684	A	#2 ACSR	7.44Y	124.0	0.00	0.99	0.00	0	0	0	100	0.00	0.0	0.434	0.006	0	0	0	0
PD.6890	PL.43681	A	60QA	7.44Y	124.0	0.00	0.99	0.00	0	0	0	100	0.00	0.0	0.434	0.006	0	0	0	0
PL.43682	PD.6890	A	#2 ACSR	7.44Y	124.0	0.00	0.99	0.00	0	0	0	100	0.00	0.0	0.457	0.023	0	0	0	0
PL.43685	PL.43684	ABC	#3/0 ACSR	7.43Y	123.9	0.15	1.13	171.69	57	3627	1239	95	3.21	0.1	0.493	0.065	0	0	0	434
PL.43496	PL.43685	ABC	#3/0 ACSR	7.42Y	123.7	0.19	1.32	171.09	57	3611	1230	95	4.02	0.1	0.576	0.082	17	5	2	432
PL.43497	PL.43496	ABC	#3/0 ACSR	7.41Y	123.5	0.21	1.53	169.93	57	3582	1218	95	4.56	0.1	0.670	0.094	12	3	1	429
PL.43790	PL.43497	B	#1/0 ACSR	7.41Y	123.5	0.00	1.53	1.78	1	13	3	97	0.00	0.0	0.735	0.065	13	3	1	1
PL.44332	PL.43497	ABC	#3/0 ACSR	7.39Y	123.2	0.24	1.77	168.77	56	3552	1204	95	5.23	0.1	0.779	0.109	0	0	0	427
PL.43498	PL.44332	ABC	#3/0 ACSR	7.38Y	123.0	0.19	1.96	168.40	56	3539	1195	95	4.01	0.1	0.863	0.084	9	3	1	426
PL.43499	PL.43498	ABC	#3/0 ACSR	7.37Y	122.9	0.16	2.12	167.97	56	3526	1186	95	3.48	0.1	0.937	0.074	10	3	1	425
PL.43500	PL.43499	C	#2 ACSR	7.37Y	122.9	0.00	2.12	2.82	2	20	5	97	0.00	0.0	0.943	0.006	0	0	0	3
PD.6892	PL.43500	C	60QA	7.37Y	122.9	0.00	2.12	2.82	5	20	5	97	0.00	0.0	0.943	0.006	0	0	0	3
PL.43501	PD.6892	C	#2 ACSR	7.37Y	122.9	0.01	2.13	2.82	2	20	5	97	0.00	0.0	1.018	0.075	8	2	1	3
PL.43502	PL.43501	C	#2 ACSR	7.37Y	122.9	0.00	2.13	1.77	1	13	3	97	0.00	0.0	1.077	0.060	5	1	1	2
PL.43503	PL.43502	C	#2 ACSR	7.37Y	122.9	0.00	2.13	1.13	1	8	2	97	0.00	0.0	1.129	0.052	0	0	0	1
PL.44317	PL.43503	C	#2 ACSR	7.37Y	122.9	0.00	2.13	0.00	0	0	0	100	0.00	0.0	1.154	0.025	0	0	0	0

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Source: Maplesville

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.43504	PL.43503	C	#2 ACSR	7.37Y	122.9	0.00	2.13	1.13	1	8	2	97	0.00	0.0	1.159	0.030	8	2	1	1
PL.43505	PL.43499	ABC	#3/0 ACSR	7.36Y	122.7	0.15	2.27	166.58	56	3493	1173	95	3.10	0.1	1.004	0.067	9	2	1	421
PL.43506	PL.43505	ABC	#3/0 ACSR	7.36Y	122.6	0.12	2.39	166.16	55	3480	1166	95	2.52	0.1	1.058	0.055	29	8	2	420
PL.43507	PL.43506	ABC	#3/0 ACSR	7.34Y	122.4	0.23	2.62	164.79	55	3449	1155	95	4.82	0.1	1.164	0.106	0	0	0	418
PL.43660	PL.43507	ABC	#3/0 ACSR	7.34Y	122.3	0.11	2.72	164.79	55	3444	1148	95	2.24	0.1	1.213	0.049	0	0	0	418
PL.59789	PL.43660	ABC	#3/0 ACSR	7.33Y	122.2	0.07	2.79	142.70	48	2972	1016	95	1.29	0.0	1.251	0.038	0	0	0	343
PL.59790	PL.59789	ABC	#3/0 ACSR	7.32Y	122.0	0.16	2.96	142.20	47	2960	1011	95	2.94	0.1	1.338	0.087	0	0	0	341
PL.44302	PL.59790	ABC	#3/0 ACSR	7.30Y	121.7	0.33	3.29	140.44	47	2920	997	95	5.89	0.2	1.515	0.178	0	0	0	337
PL.44303	PL.44302	ABC	#3/0 ACSR	7.30Y	121.6	0.08	3.36	139.62	47	2896	984	95	1.34	0.0	1.556	0.041	0	0	0	336
PL.43305	PL.44303	C	6 A (CWC)	7.30Y	121.6	0.00	3.36	8.81	6	62	17	96	0.00	0.0	1.562	0.006	0	0	0	7
PD.6894	PL.43305	C	30T	7.30Y	121.6	0.00	3.36	8.81	0	62	17	96	0.00	0.0	1.562	0.006	0	0	0	7
PL.43306	PD.6894	C	6 A (CWC)	7.30Y	121.6	0.04	3.40	8.81	6	62	17	96	0.02	0.0	1.665	0.103	5	1	1	7
PL.43307	PL.43306	C	6 A (CWC)	7.29Y	121.5	0.11	3.51	8.07	6	57	15	97	0.05	0.1	1.956	0.291	0	0	0	6
PL.43308	PL.43307	C	#2 ACSR	7.29Y	121.5	0.01	3.52	6.98	4	49	13	97	0.00	0.0	1.998	0.042	22	6	1	5
PL.44358	PL.43308	C	#2 ACSR	7.29Y	121.5	0.01	3.53	3.81	2	27	7	97	0.00	0.0	2.101	0.103	0	0	0	4
PL.44359	PL.44358	C	#2 ACSR	7.29Y	121.5	0.00	3.53	3.81	2	27	7	97	0.00	0.0	2.139	0.038	13	3	1	4
PL.44360	PL.44359	C	#2 ACSR	7.29Y	121.5	0.00	3.54	2.00	1	14	4	96	0.00	0.0	2.206	0.067	0	0	0	3
PL.44258	PL.44360	C	#1/0 ACSR	7.29Y	121.5	0.00	3.54	0.25	0	2	0	100	0.00	0.0	2.264	0.059	2	0	1	1
PL.44361	PL.44360	C	#2 ACSR	7.29Y	121.5	0.00	3.54	1.21	1	9	2	98	0.00	0.0	2.301	0.095	9	2	1	1
PL.44260	PL.44360	C	#2 ACSR	7.29Y	121.5	0.00	3.54	0.54	0	4	1	97	0.00	0.0	2.290	0.084	4	1	1	1
PL.44362	PL.43307	C	6 A (CWC)	7.29Y	121.5	0.00	3.51	1.09	1	8	2	97	0.00	0.0	2.102	0.146	8	2	1	1
PL.44363	PL.44362	C	6 A (CWC)	7.29Y	121.5	0.00	3.51	0.00	0	0	0	100	0.00	0.0	2.180	0.078	0	0	0	0
PL.57549	PL.44303	ABC	#3/0 ACSR	7.29Y	121.5	0.17	3.53	136.69	46	2833	965	95	2.89	0.1	1.649	0.092	14	4	1	329
PL.64704	PL.57549	ABC	#3/0 ACSR	7.27Y	121.2	0.26	3.79	136.05	45	2817	957	95	4.51	0.2	1.794	0.145	0	0	0	328
PL.64705	PL.64704	ABC	#3/0 ACSR	7.27Y	121.2	0.00	3.79	136.05	45	2812	951	95	0.00	0.0	1.794	0.000	10	3	1	328
PL.59460	PL.64705	A	#2 ACSR	7.27Y	121.2	0.01	3.80	2.45	1	17	5	96	0.00	0.0	1.923	0.129	0	0	0	1
PL.43435	PL.59460	A	#1/0 ACSR	7.27Y	121.2	0.00	3.80	0.00	0	0	0	100	0.00	0.0	1.999	0.076	0	0	0	0
PL.44364	PL.59460	A	#2 ACSR	7.27Y	121.2	0.00	3.80	2.45	1	17	5	96	0.00	0.0	1.986	0.063	17	5	1	1
PL.59462	PL.64705	ABC	#3/0 ACSR	7.27Y	121.1	0.07	3.86	134.76	45	2785	943	95	1.19	0.0	1.833	0.039	12	3	1	326
PL.59463	PL.59462	ABC	#3/0 ACSR	7.26Y	120.9	0.21	4.07	134.20	45	2772	938	95	3.57	0.1	1.951	0.118	0	0	0	325
PL.59464	PL.59463	ABC	#3/0 ACSR	7.24Y	120.6	0.31	4.38	133.75	45	2759	931	95	5.36	0.2	2.130	0.178	0	0	1	324

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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.59461	PL.59464	ABC	#3/0 ACSR	7.22Y	120.4	0.21	4.59	133.75	45	2753	923	95	3.62	0.1	2.250	0.120	0	0	0	323
PL.44365	PL.59461	ABC	#3/0 ACSR	7.22Y	120.3	0.15	4.75	133.25	44	2739	915	95	2.59	0.1	2.337	0.087	11	3	1	322
PL.44293	PL.44365	ABC	#3/0 ACSR	7.19Y	119.8	0.41	5.15	131.80	44	2706	903	95	6.87	0.3	2.573	0.236	0	0	0	319
PL.43780	PL.44293	ABC	#3/0 ACSR	7.17Y	119.5	0.35	5.50	131.80	44	2700	893	95	5.90	0.2	2.776	0.203	13	3	1	319
PL.43781	PL.43780	ABC	#3/0 ACSR	7.12Y	118.6	0.86	6.36	131.19	44	2681	881	95	14.43	0.5	3.276	0.500	7	2	2	318
PL.44371	PL.43781	ABC	#3/0 ACSR	7.11Y	118.4	0.20	6.56	130.87	44	2660	858	95	3.40	0.1	3.394	0.118	0	0	1	316
PL.44372	PL.44371	ABC	#3/0 ACSR	7.10Y	118.3	0.10	6.66	130.87	44	2656	853	95	1.71	0.1	3.454	0.059	0	0	0	315
PL.44376	PL.44372	ABC	#3/0 ACSR	7.10Y	118.3	0.01	6.67	130.87	44	2655	851	95	0.16	0.0	3.459	0.006	0	0	0	315
PD.6974-A	PL.44376	ABC	Closed	7.10Y	118.3	0.00	6.67	130.87	0	2655	850	95	0.00	0.0	3.459	0.006	0	0	0	315
PD.6974-B	PD.6974-A	ABC	Closed	7.10Y	118.3	0.00	6.67	130.87	0	2655	850	95	0.00	0.0	3.459	0.006	0	0	0	315
PL.44375	PD.6974-B	ABC	#3/0 ACSR	7.10Y	118.3	0.05	6.72	130.87	44	2655	850	95	0.85	0.0	3.489	0.030	0	0	0	315
PL.44373	PL.44375	C	#3/0 ACSR	7.10Y	118.3	0.00	6.72	0.00	0	0	0	100	0.00	0.0	3.495	0.006	0	0	0	0
PD.6844	PL.44373	C	25QA	7.10Y	118.3	0.00	6.72	0.00	0	0	0	100	0.00	0.0	3.495	0.006	0	0	0	0
PL.44374	PD.6844	C	#3/0 ACSR	7.10Y	118.3	0.00	6.72	0.00	0	0	0	100	0.00	0.0	3.720	0.225	0	0	0	0
PL.44377	PL.44375	ABC	#3/0 ACSR	7.08Y	118.0	0.24	6.96	130.87	44	2654	849	95	3.97	0.1	3.627	0.138	0	0	0	315
PL.44207	PL.44377	A	#4 ACSR	7.08Y	118.0	0.00	6.96	1.75	1	12	3	97	0.00	0.0	3.643	0.016	12	3	2	2
L PL.44378	PL.44377	ABC	#3/0 ACSR	7.07Y	117.9	0.14	7.10	130.29	43	2638	840	95	2.33	0.1	3.709	0.082	0	0	0	313 L
L PL.59607	PL.44378	ABC	#3/0 ACSR	7.07Y	117.8	0.10	7.20	129.45	43	2618	832	95	1.75	0.1	3.771	0.062	0	0	0	312 L
C PD.8801	PL.59607	ABC	140L	7.07Y	117.8	0.00	7.20	129.45	92	2616	830	95	0.00	0.0	3.771	0.062	0	0	0	312 C
L PL.59608	PD.8801	ABC	#3/0 ACSR	7.06Y	117.7	0.05	7.25	129.45	43	2616	830	95	0.85	0.0	3.801	0.030	0	0	0	312 L
L PL.44383	PL.59608	ABC	#3/0 ACSR	7.06Y	117.6	0.15	7.40	128.97	43	2606	826	95	2.54	0.1	3.892	0.091	0	0	0	310 L
L PL.44384	PL.44383	C	#4 ACSR	7.06Y	117.6	0.00	7.40	2.30	2	16	4	97	0.00	0.0	3.897	0.006	0	0	0	1 L
L PD.6915	PL.44384	C	60QA	7.06Y	117.6	0.00	7.40	2.30	4	16	4	97	0.00	0.0	3.897	0.006	0	0	0	1 L
L PL.44385	PD.6915	C	#4 ACSR	7.06Y	117.6	0.00	7.41	2.30	2	16	4	97	0.00	0.0	3.929	0.031	0	0	0	1 L
L PL.43805	PL.44385	C	#4 ACSR	7.06Y	117.6	0.00	7.41	2.30	2	16	4	97	0.00	0.0	3.983	0.054	16	4	1	1 L
L PL.44386	PL.44383	ABC	#3/0 ACSR	7.05Y	117.5	0.11	7.51	128.21	43	2588	818	95	1.78	0.1	3.956	0.064	6	2	1	309 L
L PL.44388	PL.44386	C	#4 ACSR	7.05Y	117.5	0.00	7.51	2.38	2	16	4	97	0.00	0.0	3.962	0.006	0	0	0	1 L
L PD.6856	PL.44388	C	60QA	7.05Y	117.5	0.00	7.51	2.38	4	16	4	97	0.00	0.0	3.962	0.006	0	0	0	1 L
L PL.44389	PD.6856	C	#4 ACSR	7.05Y	117.5	0.00	7.51	2.38	2	16	4	97	0.00	0.0	4.013	0.051	16	4	1	1 L
L PL.44387	PL.44386	ABC	#3/0 ACSR	7.04Y	117.4	0.12	7.63	127.13	42	2564	809	95	1.90	0.1	4.026	0.070	0	0	0	307 L
L PL.59179	PL.44387	ABC	#3/0 ACSR	7.04Y	117.3	0.07	7.69	127.13	42	2562	807	95	1.11	0.0	4.067	0.041	0	0	0	307 L

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
L PL.59181	PL.59179	B	#4 ACSR	7.04Y	117.3	0.00	7.69	5.57	4	38	10	97	0.00	0.0	4.070	0.003	0	0	0	5 L
L PD.8575	PL.59181	B	25T	7.04Y	117.3	0.00	7.69	5.57	0	38	10	97	0.00	0.0	4.070	0.003	0	0	0	5 L
L PL.59814	PD.8575	B	#4 ACSR	7.04Y	117.3	0.03	7.72	5.57	4	38	10	97	0.01	0.0	4.177	0.107	0	0	1	5 L
L PL.59815	PL.59814	B	#4 ACSR	7.04Y	117.3	0.01	7.73	5.57	4	38	10	97	0.00	0.0	4.233	0.056	10	3	1	4 L
L PL.58348	PL.59815	B	#4 ACSR	7.03Y	117.2	0.02	7.75	4.10	3	28	7	97	0.00	0.0	4.377	0.143	9	2	1	3 L
L PL.44297	PL.58348	B	#4 ACSR	7.03Y	117.2	0.02	7.77	2.79	2	19	5	97	0.00	0.0	4.547	0.170	11	3	1	2 L
L PL.44298	PL.44297	B	#4 ACSR	7.03Y	117.2	0.00	7.77	1.24	1	8	2	97	0.00	0.0	4.624	0.077	8	2	1	1 L
L PL.59180	PL.59179	ABC	#3/0 ACSR	7.03Y	117.1	0.20	7.89	125.27	42	2523	795	95	3.27	0.1	4.191	0.124	0	0	1	302 L
L PL.44299	PL.59180	A	#2 ACSR	7.03Y	117.1	0.00	7.90	5.09	3	35	9	97	0.00	0.0	4.197	0.006	0	0	0	2 L
L PD.6845	PL.44299	A	40QA	7.03Y	117.1	0.00	7.90	5.09	13	35	9	97	0.00	0.0	4.197	0.006	0	0	0	2 L
L PL.43676	PD.6845	A	#2 ACSR	7.03Y	117.1	0.01	7.90	5.09	3	35	9	97	0.00	0.0	4.256	0.060	23	6	1	2 L
L PL.43082	PL.43676	A	#2 ACSR	7.03Y	117.1	0.00	7.90	0.00	0	0	0	100	0.00	0.0	4.290	0.034	0	0	0	0 L
L PL.43677	PL.43676	A	#2 ACSR	7.03Y	117.1	0.00	7.90	1.71	1	12	3	97	0.00	0.0	4.296	0.040	12	3	1	1 L
L PL.44390	PL.59180	ABC	#3/0 ACSR	7.01Y	116.9	0.20	8.10	123.55	41	2485	781	95	3.24	0.1	4.317	0.126	0	0	0	299 L
L PL.42945	PL.44390	A	#2 ACSR	7.01Y	116.9	0.00	8.10	0.36	0	2	1	89	0.00	0.0	4.360	0.042	2	1	1	1 L
L PL.42946	PL.42945	A	#2 ACSR	7.01Y	116.9	0.00	8.10	0.00	0	0	0	100	0.00	0.0	4.435	0.076	0	0	0	0 L
L PL.44391	PL.44390	A	#4 ACSR	7.01Y	116.9	0.00	8.10	0.65	0	4	1	97	0.00	0.0	4.323	0.006	0	0	0	1 L
L PD.6855	PL.44391	A	60QA	7.01Y	116.9	0.00	8.10	0.65	1	4	1	97	0.00	0.0	4.323	0.006	0	0	0	1 L
L PL.44392	PD.6855	A	#4 ACSR	7.01Y	116.9	0.00	8.10	0.65	0	4	1	97	0.00	0.0	4.365	0.042	0	0	0	1 L
L PL.42944	PL.44392	A	#4 ACSR	7.01Y	116.9	0.00	8.10	0.65	0	4	1	97	0.00	0.0	4.409	0.044	4	1	1	1 L
L PL.42947	PL.44390	ABC	#3/0 ACSR	7.01Y	116.8	0.15	8.25	123.22	41	2475	774	95	2.43	0.1	4.413	0.095	0	0	0	297 L
L PL.42948	PL.42947	ABC	#3/0 ACSR	6.99Y	116.5	0.25	8.49	122.96	41	2467	769	95	3.92	0.2	4.567	0.154	0	0	1	296 L
L PL.41952	PL.42948	A	6 A (CWC)	6.99Y	116.5	0.00	8.50	2.71	2	18	5	96	0.00	0.0	4.573	0.006	0	0	0	2 L
L PD.6911	PL.41952	A	60QA	6.99Y	116.5	0.00	8.50	2.71	5	18	5	96	0.00	0.0	4.573	0.006	0	0	0	2 L
L PL.41953	PD.6911	A	6 A (CWC)	6.99Y	116.5	0.00	8.50	2.71	2	18	5	96	0.00	0.0	4.635	0.063	18	5	2	2 L
L PL.41955	PL.42948	B	#2 ACSR	6.99Y	116.5	0.00	8.50	8.10	5	55	15	96	0.00	0.0	4.573	0.006	0	0	0	6 L
L PD.6872	PL.41955	B	60QA	6.99Y	116.5	0.00	8.50	8.10	13	55	15	96	0.00	0.0	4.573	0.006	0	0	0	6 L
L PL.41956	PD.6872	B	#2 ACSR	6.99Y	116.5	0.02	8.52	8.10	5	55	15	96	0.01	0.0	4.655	0.083	0	0	0	6 L
L PL.41954	PL.41956	B	#2 ACSR	6.99Y	116.5	0.02	8.54	8.10	5	55	15	96	0.01	0.0	4.745	0.089	12	3	1	6 L
L PL.43088	PL.41954	B	#2 ACSR	6.99Y	116.4	0.02	8.56	6.35	4	43	12	96	0.01	0.0	4.873	0.128	7	2	2	5 L
L PL.43089	PL.43088	B	#2 ACSR	6.99Y	116.4	0.01	8.57	5.28	3	36	10	96	0.00	0.0	4.911	0.038	13	4	1	3 L

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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
L PL.41957	PL.43089	B	#2 ACSR	6.99Y	116.4	0.00	8.57	3.35	2	23	6	97	0.00	0.0	4.997	0.087	23	6	2	2 L
L PL.43090	PL.43088	B	#2 ACSR	6.99Y	116.4	0.00	8.56	0.00	0	0	0	100	0.00	0.0	4.963	0.090	0	0	0	0 L
L PL.41958	PL.42948	ABC	#3/0 ACSR	6.98Y	116.3	0.22	8.71	119.36	40	2390	744	95	3.34	0.1	4.707	0.140	0	0	1	287 L
L PL.41959	PL.41958	ABC	#3/0 ACSR	6.97Y	116.2	0.05	8.76	119.36	40	2387	739	96	0.84	0.0	4.742	0.035	0	0	0	286 L
L PL.44393	PL.41959	ABC	#3/0 ACSR	6.97Y	116.1	0.10	8.87	119.36	40	2386	738	96	1.62	0.1	4.810	0.068	28	8	2	286 L
L PL.44322	PL.44393	ABC	#3/0 ACSR	6.95Y	115.9	0.25	9.12	117.95	39	2356	728	96	3.80	0.2	4.972	0.163	0	0	0	284 L
L PL.44323	PL.44322	ABC	#3/0 ACSR	6.95Y	115.9	0.00	9.12	117.95	39	2352	722	96	0.06	0.0	4.975	0.003	0	0	0	284 L
C RG.45	PL.44323	ABC	114.3 KVA	7.47Y	124.4	-8.55	0.57	117.95	79	2352	722	96	percent Boost= 6.88 Tap=11.0				0	0	0	284 C
PL.44324	RG.45	ABC	#3/0 ACSR	7.47Y	124.4	0.00	0.57	109.84	37	2352	722	96	0.06	0.0	4.978	0.003	0	0	0	284
PL.72538	PL.44324	ABC	#3/0 ACSR	7.46Y	124.3	0.09	0.66	109.84	37	2352	722	96	1.25	0.1	5.039	0.061	0	0	0	284
PL.44394	PL.72538	ABC	#3/0 ACSR	7.45Y	124.2	0.14	0.80	109.84	37	2350	720	96	2.00	0.1	5.138	0.099	0	0	0	284
PL.44395	PL.44394	ABC	#3/0 ACSR	7.45Y	124.1	0.11	0.90	109.84	37	2348	717	96	1.50	0.1	5.212	0.074	0	0	0	284
PL.44396	PL.44395	ABC	#3/0 ACSR	7.42Y	123.7	0.42	1.32	109.84	37	2347	715	96	6.06	0.3	5.512	0.299	0	0	0	284
PL.44403	PL.44396	ABC	#3/0 ACSR	7.42Y	123.6	0.08	1.41	109.39	36	2331	704	96	1.19	0.1	5.571	0.059	4	1	1	281
PL.44404	PL.44403	ABC	#3/0 ACSR	7.41Y	123.5	0.10	1.51	109.21	36	2326	701	96	1.42	0.1	5.642	0.071	0	0	0	280
PL.44405	PL.44404	ABC	#3/0 ACSR	7.41Y	123.5	0.01	1.52	109.21	36	2325	699	96	0.11	0.0	5.648	0.006	0	0	0	280
PD.6972-A	PL.44405	ABC	Closed	7.41Y	123.5	0.00	1.52	109.21	0	2325	699	96	0.00	0.0	5.648	0.006	0	0	0	280
PD.6972-B	PD.6972-A	ABC	Closed	7.41Y	123.5	0.00	1.52	109.21	0	2325	699	96	0.00	0.0	5.648	0.006	0	0	0	280
PL.44406	PD.6972-B	ABC	#3/0 ACSR	7.39Y	123.2	0.25	1.77	109.21	36	2325	699	96	3.62	0.2	5.829	0.181	3	1	1	280
PL.44407	PL.44406	ABC	#3/0 ACSR	7.39Y	123.2	0.00	1.77	0.53	0	11	3	96	0.00	0.0	5.873	0.044	1	0	1	2
PL.50110	PL.44407	ABC	#3/0 ACSR	7.39Y	123.2	0.00	1.77	0.47	0	10	3	96	0.00	0.0	6.021	0.148	10	3	1	1
PL.58875	PL.50110	ABC	#3/0 ACSR	7.39Y	123.2	0.00	1.77	0.00	0	0	0	100	0.00	0.0	6.025	0.004	0	0	0	0
PD.8480-B	PL.58875	ABC	Open	7.39Y	123.2	0.00	1.77	0.00	0	0	0	100	0.00	0.0	6.025	0.004	0	0	0	0
PL.42959	PL.44406	ABC	#3/0 ACSR	7.39Y	123.1	0.14	1.91	108.55	36	2307	690	96	1.95	0.1	5.927	0.099	0	0	0	277
PL.52808	PL.42959	ABC	#3/0 ACSR	7.38Y	122.9	0.18	2.08	108.55	36	2305	687	96	2.51	0.1	6.054	0.127	0	0	0	277
PL.52810	PL.52808	ABC	#4 ACSR	7.38Y	122.9	0.00	2.08	0.09	0	2	0	100	0.00	0.0	6.059	0.006	0	0	0	2
PD.6904	PL.52810	ABC	60QA	7.38Y	122.9	0.00	2.08	0.09	0	2	0	100	0.00	0.0	6.059	0.006	0	0	0	2
PL.43286	PD.6904	ABC	#4 ACSR	7.38Y	122.9	0.00	2.08	0.09	0	2	0	100	0.00	0.0	6.093	0.034	2	0	1	2
PL.44288	PL.43286	ABC	#4 ACSR	7.38Y	122.9	0.00	2.08	0.00	0	0	0	100	0.00	0.0	6.129	0.036	0	0	1	1
PL.44289	PL.44288	ABC	#4 ACSR	7.38Y	122.9	0.00	2.08	0.00	0	0	0	100	0.00	0.0	6.203	0.073	0	0	0	0
PL.52809	PL.52808	ABC	#3/0 ACSR	7.37Y	122.8	0.12	2.20	108.46	36	2301	683	96	1.71	0.1	6.140	0.087	0	0	0	275

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Balanced Voltage Drop Report
Source: Maplesville

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.44290	PL.52809	ABC	#3/0 ACSR	7.36Y	122.7	0.11	2.31	108.46	36	2299	680	96	1.57	0.1	6.220	0.080	0	0	0	275
PL.44291	PL.44290	A	#4 ACSR	7.36Y	122.7	0.00	2.31	1.02	1	7	2	96	0.00	0.0	6.226	0.006	0	0	0	2
PD.6852	PL.44291	A	60QA	7.36Y	122.7	0.00	2.31	1.02	2	7	2	96	0.00	0.0	6.226	0.006	0	0	0	2
PL.44408	PD.6852	A	#4 ACSR	7.36Y	122.7	0.00	2.31	1.02	1	7	2	96	0.00	0.0	6.271	0.046	7	2	2	2
PL.44308	PL.44408	A	#4 ACSR	7.36Y	122.7	0.00	2.31	0.00	0	0	0	100	0.00	0.0	6.342	0.071	0	0	0	0
PL.44409	PL.44290	ABC	#3/0 ACSR	7.35Y	122.4	0.25	2.56	108.13	36	2290	676	96	3.53	0.2	6.400	0.180	0	0	0	273
PL.44410	PL.44409	A	#4 ACSR	7.35Y	122.4	0.00	2.56	0.00	0	0	0	100	0.00	0.0	6.405	0.006	0	0	0	0
PD.6880	PL.44410	A	60QA	7.35Y	122.4	0.00	2.56	0.00	0	0	0	100	0.00	0.0	6.405	0.006	0	0	0	0
PL.44411	PD.6880	A	#4 ACSR	7.35Y	122.4	0.00	2.56	0.00	0	0	0	100	0.00	0.0	6.488	0.083	0	0	0	0
PL.44412	PL.44409	ABC	#3/0 ACSR	7.34Y	122.4	0.08	2.64	108.13	36	2287	671	96	1.18	0.1	6.460	0.060	0	0	0	273
PL.43892	PL.44412	ABC	#3/0 ACSR	7.34Y	122.3	0.03	2.68	107.36	36	2269	665	96	0.48	0.0	6.484	0.025	20	5	1	272
PL.43893	PL.43892	ABC	#3/0 ACSR	7.33Y	122.2	0.08	2.75	106.45	35	2249	659	96	1.06	0.0	6.540	0.056	22	6	2	271
PL.43894	PL.43893	A	6 A (CWC)	7.33Y	122.2	0.00	2.75	1.22	1	9	2	98	0.00	0.0	6.546	0.006	0	0	0	1
PD.6912	PL.43894	A	60QA	7.33Y	122.2	0.00	2.75	1.22	2	9	2	98	0.00	0.0	6.546	0.006	0	0	0	1
PL.43895	PD.6912	A	6 A (CWC)	7.33Y	122.2	0.00	2.76	1.22	1	9	2	98	0.00	0.0	6.583	0.037	0	0	0	1
PL.43896	PL.43895	A	6 A (CWC)	7.33Y	122.2	0.00	2.76	1.22	1	9	2	98	0.00	0.0	6.602	0.019	9	2	1	1
PL.43869	PL.43893	ABC	#3/0 ACSR	7.32Y	122.1	0.17	2.92	105.02	35	2218	649	96	2.34	0.1	6.668	0.127	16	4	1	268
PL.43870	PL.43869	ABC	#3/0 ACSR	7.32Y	122.0	0.10	3.03	104.26	35	2199	642	96	1.43	0.1	6.746	0.078	7	2	2	267
PL.43413	PL.43870	C	6 A (CWC)	7.32Y	122.0	0.00	3.03	7.50	5	53	14	97	0.00	0.0	6.752	0.006	0	0	0	3
PD.6928	PL.43413	C	60QA	7.32Y	122.0	0.00	3.03	7.50	12	53	14	97	0.00	0.0	6.752	0.006	0	0	0	3
PL.43414	PD.6928	C	6 A (CWC)	7.32Y	122.0	0.01	3.04	7.50	5	53	14	97	0.00	0.0	6.791	0.039	12	3	1	3
PL.57950	PL.43414	C	6 A (CWC)	7.32Y	121.9	0.02	3.06	5.76	4	41	11	97	0.01	0.0	6.893	0.102	19	5	1	2
PL.57951	PL.57950	C	1/0 AL URD	7.32Y	121.9	0.00	3.06	3.05	2	22	5	98	0.00	0.0	6.973	0.081	22	6	1	1
PL.59798	PL.43870	ABC	#3/0 ACSR	7.31Y	121.9	0.06	3.08	101.45	34	2138	624	96	0.77	0.0	6.791	0.045	26	7	3	262
PL.59799	PL.59798	C	6 A (CWC)	7.31Y	121.9	0.00	3.09	3.82	3	27	7	97	0.00	0.0	6.797	0.006	0	0	0	3
PD.6882	PL.59799	C	60QA	7.31Y	121.9	0.00	3.09	3.82	6	27	7	97	0.00	0.0	6.797	0.006	0	0	0	3
PL.57885	PD.6882	C	6 A (CWC)	7.31Y	121.9	0.00	3.09	3.82	3	27	7	97	0.00	0.0	6.837	0.040	27	7	3	3
PL.59800	PL.59798	ABC	#3/0 ACSR	7.31Y	121.8	0.11	3.19	98.95	33	2084	609	96	1.43	0.1	6.878	0.087	0	0	0	256
PL.43287	PL.59800	C	#4 ACSR	7.31Y	121.8	0.00	3.20	3.29	3	23	6	97	0.00	0.0	6.884	0.006	0	0	0	1
PD.6883	PL.43287	C	60QA	7.31Y	121.8	0.00	3.20	3.29	5	23	6	97	0.00	0.0	6.884	0.006	0	0	0	1
PL.43288	PD.6883	C	#4 ACSR	7.31Y	121.8	0.03	3.23	3.29	3	23	6	97	0.01	0.0	7.101	0.217	0	0	0	1

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.44159	PL.43288	C	#4 ACSR	7.31Y	121.8	0.01	3.23	3.29	3	23	6	97	0.00	0.0	7.147	0.046	0	0	0	1
PL.44160	PL.44159	C	#4 ACSR	7.31Y	121.8	0.00	3.24	3.29	3	23	6	97	0.00	0.0	7.191	0.044	23	6	1	1
PL.44161	PL.59800	ABC	#3/0 ACSR	7.30Y	121.7	0.10	3.29	97.85	33	2060	600	96	1.26	0.1	6.957	0.079	13	4	2	255
PL.44162	PL.44161	ABC	#3/0 ACSR	7.30Y	121.7	0.05	3.34	97.22	32	2045	595	96	0.62	0.0	6.996	0.039	0	0	0	253
PL.44163	PL.44162	A	6 A (CWC)	7.30Y	121.7	0.00	3.34	5.37	4	38	10	97	0.00	0.0	7.001	0.006	0	0	0	5
PD.6885	PL.44163	A	60QA	7.30Y	121.7	0.00	3.34	5.37	9	38	10	97	0.00	0.0	7.001	0.006	0	0	0	5
PL.43984	PD.6885	A	6 A (CWC)	7.30Y	121.6	0.01	3.36	5.37	4	38	10	97	0.00	0.0	7.076	0.074	14	4	2	5
PL.43985	PL.43984	A	6 A (CWC)	7.30Y	121.6	0.01	3.37	3.37	2	24	6	97	0.00	0.0	7.131	0.055	0	0	0	3
PL.44278	PL.43985	A	#2 ACSR	7.30Y	121.6	0.00	3.37	3.37	2	24	6	97	0.00	0.0	7.152	0.021	24	6	3	3
PL.44259	PL.43985	A	6 A (CWC)	7.30Y	121.6	0.00	3.37	0.00	0	0	0	100	0.00	0.0	7.176	0.045	0	0	0	0
PL.43871	PL.44162	ABC	#3/0 ACSR	7.29Y	121.5	0.16	3.50	95.43	32	2007	584	96	2.02	0.1	7.128	0.132	0	0	0	248
PL.43872	PL.43871	C	6 A (CWC)	7.29Y	121.5	0.00	3.50	8.11	6	57	15	97	0.00	0.0	7.133	0.006	0	0	0	5
PD.6884	PL.43872	C	60QA	7.29Y	121.5	0.00	3.50	8.11	14	57	15	97	0.00	0.0	7.133	0.006	0	0	0	5
PL.43415	PD.6884	C	6 A (CWC)	7.29Y	121.5	0.01	3.52	8.11	6	57	15	97	0.00	0.0	7.206	0.072	51	14	4	5
PL.43416	PL.43415	C	6 A (CWC)	7.29Y	121.5	0.00	3.52	0.92	1	6	2	95	0.00	0.0	7.258	0.052	6	2	1	1
PL.43417	PL.43871	ABC	#3/0 ACSR	7.29Y	121.5	0.03	3.53	92.73	31	1948	565	96	0.34	0.0	7.151	0.024	0	0	0	243
PL.43418	PL.43417	ABC	#4 ACSR	7.29Y	121.5	0.00	3.53	0.81	1	16	7	92	0.00	0.0	7.190	0.039	10	5	1	3
PL.43419	PL.43418	ABC	#4 ACSR	7.29Y	121.5	0.00	3.53	0.30	0	6	2	95	0.00	0.0	7.222	0.032	6	2	2	2
PL.43420	PL.43417	ABC	#3/0 ACSR	7.28Y	121.4	0.06	3.59	91.92	31	1931	558	96	0.75	0.0	7.204	0.053	7	2	1	240
PL.43421	PL.43420	ABC	#3/0 ACSR	7.28Y	121.4	0.03	3.63	91.57	31	1923	555	96	0.41	0.0	7.234	0.030	9	2	2	239
PL.43424	PL.43421	B	#2 ACSR	7.28Y	121.4	0.00	3.63	3.78	2	27	7	97	0.00	0.0	7.239	0.006	0	0	0	3
PD.6951	PL.43424	B	40QA	7.28Y	121.4	0.00	3.63	3.78	9	27	7	97	0.00	0.0	7.239	0.006	0	0	0	3
PL.43425	PD.6951	B	#2 ACSR	7.28Y	121.4	0.00	3.63	3.78	2	27	7	97	0.00	0.0	7.257	0.018	0	0	0	3
PL.43426	PL.43425	B	#2 ACSR	7.28Y	121.4	0.00	3.63	3.78	2	27	7	97	0.00	0.0	7.277	0.020	4	1	1	3
PL.43427	PL.43426	B	#2 ACSR	7.28Y	121.4	0.00	3.63	3.14	2	22	6	96	0.00	0.0	7.342	0.065	22	6	2	2
PL.43422	PL.43421	C	6 A (CWC)	7.28Y	121.4	0.00	3.63	0.00	0	0	0	100	0.00	0.0	7.239	0.006	0	0	0	1
PD.6913	PL.43422	C	60QA	7.28Y	121.4	0.00	3.63	0.00	0	0	0	100	0.00	0.0	7.239	0.006	0	0	0	1
PL.43423	PD.6913	C	6 A (CWC)	7.28Y	121.4	0.00	3.63	0.00	0	0	0	100	0.00	0.0	7.260	0.021	0	0	1	1
PL.43428	PL.43421	ABC	#3/0 ACSR	7.27Y	121.2	0.17	3.80	89.90	30	1887	545	96	2.03	0.1	7.383	0.149	0	0	0	233
PL.43395	PL.43428	A	#2 ACSR	7.27Y	121.2	0.00	3.80	1.96	1	14	4	96	0.00	0.0	7.389	0.006	0	0	0	1
PD.6851	PL.43395	A	60QA	7.27Y	121.2	0.00	3.80	1.96	3	14	4	96	0.00	0.0	7.389	0.006	0	0	0	1

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.43396	PD.6851	A	#2 ACSR	7.27Y	121.2	0.00	3.80	1.96	1	14	4	96	0.00	0.0	7.434	0.045	14	4	1	1
PL.43988	PL.43428	ABC	#3/0 ACSR	7.27Y	121.1	0.07	3.87	88.45	29	1854	534	96	0.84	0.0	7.447	0.064	0	0	0	229
PL.43989	PL.43988	A	#4 ACSR	7.27Y	121.1	0.00	3.87	0.00	0	0	0	100	0.00	0.0	7.453	0.006	0	0	0	0
PD.6926	PL.43989	A	40QA	7.27Y	121.1	0.00	3.87	0.00	0	0	0	100	0.00	0.0	7.453	0.006	0	0	0	0
PL.43990	PD.6926	A	#4 ACSR	7.27Y	121.1	0.00	3.87	0.00	0	0	0	100	0.00	0.0	7.540	0.087	0	0	0	0
PL.43991	PL.43988	ABC	#3/0 ACSR	7.26Y	121.1	0.08	3.95	88.45	29	1854	533	96	0.95	0.1	7.520	0.073	0	0	0	229
PL.43992	PL.43991	ABC	#3/0 ACSR	7.25Y	120.8	0.28	4.23	88.29	29	1849	531	96	3.28	0.2	7.770	0.250	0	0	0	228
PL.43557	PL.43992	C	#4 ACSR	7.25Y	120.8	0.00	4.23	5.08	4	36	8	98	0.00	0.0	7.776	0.006	0	0	0	3
PD.6849	PL.43557	C	60QA	7.25Y	120.8	0.00	4.23	5.08	8	36	8	98	0.00	0.0	7.776	0.006	0	0	0	3
PL.43558	PD.6849	C	#4 ACSR	7.25Y	120.8	0.01	4.24	5.08	4	36	8	98	0.00	0.0	7.817	0.041	0	0	0	3
PL.43559	PL.43558	C	1/0 AL URD	7.25Y	120.8	0.00	4.24	2.02	1	14	3	98	0.00	0.0	7.823	0.006	0	0	0	2
PD.6930	PL.43559	C	40QA	7.25Y	120.8	0.00	4.24	2.02	5	14	3	98	0.00	0.0	7.823	0.006	0	0	0	2
PL.43560	PD.6930	C	1/0 AL URD	7.25Y	120.8	0.00	4.25	2.02	1	14	3	98	0.00	0.0	7.963	0.140	14	4	2	2
PL.44340	PL.43558	C	1/0 AL URD	7.24Y	120.7	0.01	4.25	3.07	2	22	5	98	0.00	0.0	8.047	0.230	22	6	1	1
PL.44254	PL.43992	ABC	#1/0 ACSR	7.22Y	120.4	0.39	4.62	86.59	38	1810	518	96	4.96	0.3	8.019	0.249	4	1	1	225
PL.58426	PL.44254	A	6 A (CWC)	7.22Y	120.4	0.00	4.62	6.66	5	46	12	97	0.00	0.0	8.021	0.003	0	0	0	7
PD.8587	PL.58426	A	30T	7.22Y	120.4	0.00	4.62	6.66	0	46	12	97	0.00	0.0	8.021	0.003	0	0	0	7
PL.58427	PD.8587	A	6 A (CWC)	7.22Y	120.4	0.01	4.63	6.66	5	46	12	97	0.00	0.0	8.050	0.029	0	0	0	7
PL.58425	PL.58427	A	6 A (CWC)	7.22Y	120.3	0.03	4.66	6.02	4	42	11	97	0.01	0.0	8.171	0.121	0	0	0	5
PL.44498	PL.58425	A	6 A (CWC)	7.22Y	120.3	0.01	4.67	2.60	2	18	5	96	0.00	0.0	8.270	0.098	0	0	0	2
PL.44499	PL.44498	A	6 A (CWC)	7.22Y	120.3	0.01	4.68	1.66	1	12	3	97	0.00	0.0	8.439	0.169	12	3	1	1
PL.42954	PL.44498	A	#2 ACSR	7.22Y	120.3	0.00	4.67	0.95	1	7	2	96	0.00	0.0	8.300	0.031	7	2	1	1
PL.43561	PL.58425	A	#4 ACSR	7.22Y	120.3	0.01	4.67	3.41	3	24	6	97	0.00	0.0	8.236	0.065	9	3	2	3
PL.44496	PL.43561	A	#4 ACSR	7.22Y	120.3	0.00	4.67	2.07	2	14	4	96	0.00	0.0	8.273	0.037	0	0	0	1
PL.44497	PL.44496	A	#4 ACSR	7.22Y	120.3	0.00	4.68	2.07	2	14	4	96	0.00	0.0	8.340	0.067	14	4	1	1
PL.58424	PL.58427	A	6 A (CWC)	7.22Y	120.4	0.00	4.63	0.65	0	5	1	98	0.00	0.0	8.069	0.019	5	1	2	2
PL.44122	PL.44254	ABC	#1/0 ACSR	7.20Y	120.1	0.30	4.92	84.16	37	1754	499	96	3.75	0.2	8.217	0.199	0	0	0	217
PL.43784	PL.44122	A	#4 ACSR	7.20Y	120.1	0.01	4.93	1.32	1	9	2	98	0.00	0.0	8.386	0.169	0	0	0	1
PL.43785	PL.43784	A	#4 ACSR	7.20Y	120.1	0.00	4.94	1.32	1	9	2	98	0.00	0.0	8.463	0.077	0	0	0	1
PL.64714	PL.43785	A	#1/0 ACSR	7.20Y	120.1	0.00	4.94	1.32	1	9	2	98	0.00	0.0	8.501	0.038	9	2	1	1
PL.44354	PL.44122	ABC	#1/0 ACSR	7.18Y	119.6	0.46	5.38	82.59	36	1718	487	96	5.56	0.3	8.523	0.306	0	0	0	213

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Balanced Voltage Drop Report
Source: Maplesville

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.44502	PL.44354	ABC	#1/0 ACSR	7.17Y	119.5	0.16	5.54	82.37	36	1707	480	96	1.95	0.1	8.631	0.108	0	0	0	212
PL.44505	PL.44502	ABC	#1/0 ACSR	7.16Y	119.3	0.12	5.66	81.86	36	1695	475	96	1.39	0.1	8.709	0.078	0	0	0	211
PL.44506	PL.44505	C	6 A (CWC)	7.16Y	119.3	0.00	5.66	1.30	1	9	2	98	0.00	0.0	8.715	0.006	0	0	0	1
PD.6914	PL.44506	C	60QA	7.16Y	119.3	0.00	5.66	1.30	2	9	2	98	0.00	0.0	8.715	0.006	0	0	0	1
PL.44507	PD.6914	C	6 A (CWC)	7.16Y	119.3	0.00	5.66	1.30	1	9	2	98	0.00	0.0	8.793	0.078	9	2	1	1
PL.52690	PL.44505	ABC	#1/0 ACSR	7.15Y	119.2	0.13	5.79	81.42	35	1684	472	96	1.61	0.1	8.801	0.091	0	0	0	210
PL.52691	PL.52690	ABC	#1/0 ACSR	7.15Y	119.1	0.07	5.87	81.42	35	1683	470	96	0.90	0.1	8.851	0.051	0	0	0	210
PL.44508	PL.52691	A	6 A (CWC)	7.15Y	119.1	0.00	5.87	7.43	5	51	14	96	0.00	0.0	8.857	0.006	0	0	0	5
PD.6886	PL.44508	A	40QA	7.15Y	119.1	0.00	5.87	7.43	19	51	14	96	0.00	0.0	8.857	0.006	0	0	0	5
PL.44509	PD.6886	A	6 A (CWC)	7.15Y	119.1	0.02	5.89	7.43	5	51	14	96	0.01	0.0	8.934	0.077	28	7	3	5
PL.44510	PL.44509	A	6 A (CWC)	7.15Y	119.1	0.01	5.89	3.44	2	24	6	97	0.00	0.0	8.991	0.056	11	3	1	2
PL.44511	PL.44510	A	6 A (CWC)	7.15Y	119.1	0.00	5.89	1.87	1	13	3	97	0.00	0.0	9.010	0.019	13	3	1	1
PL.57632	PL.52691	ABC	#1/0 ACSR	7.14Y	119.1	0.08	5.95	64.80	28	1338	375	96	0.80	0.1	8.923	0.071	0	0	0	164
PL.57679	PL.57632	A	6 A (CWC)	7.14Y	119.0	0.02	5.96	14.68	10	101	27	97	0.01	0.0	8.949	0.026	24	7	3	17
PL.57680	PL.57679	A	6 A (CWC)	7.14Y	119.0	0.00	5.97	11.15	8	77	21	96	0.00	0.0	8.952	0.003	0	0	0	14
PD.8390	PL.57680	A	50L	7.14Y	119.0	0.00	5.97	11.15	22	77	21	96	0.00	0.0	8.952	0.003	0	0	0	14
PL.57630	PD.8390	A	6 A (CWC)	7.14Y	119.0	0.03	5.99	11.15	8	77	21	96	0.02	0.0	9.013	0.061	13	3	2	14
PL.57629	PL.57630	A	6 A (CWC)	7.14Y	119.0	0.03	6.02	9.31	7	64	17	97	0.01	0.0	9.089	0.076	15	4	3	12
PL.42937	PL.57629	A	6 A (CWC)	7.14Y	119.0	0.02	6.05	7.19	5	50	13	97	0.01	0.0	9.170	0.080	9	2	1	9
PL.42940	PL.42937	A	6 A (CWC)	7.13Y	118.9	0.04	6.09	5.46	4	38	10	97	0.01	0.0	9.346	0.176	0	0	0	7
PL.43083	PL.42940	A	#4 ACSR	7.13Y	118.9	0.00	6.09	1.08	1	7	2	96	0.00	0.0	9.435	0.089	7	2	1	1
PL.44313	PL.42940	A	6 A (CWC)	7.13Y	118.9	0.02	6.11	4.38	3	30	8	97	0.00	0.0	9.458	0.112	17	5	1	6
PL.44314	PL.44313	A	6 A (CWC)	7.13Y	118.9	0.00	6.11	0.86	1	6	2	95	0.00	0.0	9.530	0.071	0	0	1	4
PL.63803	PL.44314	A	6 A (CWC)	7.13Y	118.9	0.00	6.11	0.85	1	6	2	95	0.00	0.0	9.561	0.031	6	2	3	3
PL.44315	PL.44313	A	6 A (CWC)	7.13Y	118.9	0.00	6.11	1.02	1	7	2	96	0.00	0.0	9.541	0.082	0	0	0	1
PL.44528	PL.44315	A	6 A (CWC)	7.13Y	118.9	0.01	6.12	1.02	1	7	2	96	0.00	0.0	9.680	0.139	0	0	0	1
PL.44529	PL.44528	A	6 A (CWC)	7.13Y	118.9	0.00	6.12	1.02	1	7	2	96	0.00	0.0	9.749	0.069	7	2	1	1
PL.42938	PL.42937	A	#4 ACSR	7.14Y	119.0	0.00	6.05	0.50	0	3	1	95	0.00	0.0	9.214	0.044	0	0	0	1
PL.42939	PL.42938	A	#4 ACSR	7.14Y	119.0	0.00	6.05	0.50	0	3	1	95	0.00	0.0	9.241	0.027	3	1	1	1
PL.57631	PL.57632	A	#1/0 ACSR	7.14Y	119.1	0.00	5.95	0.35	0	2	1	89	0.00	0.0	8.972	0.049	2	1	2	2
PL.57633	PL.57632	ABC	#1/0 ACSR	7.14Y	119.0	0.09	6.04	59.79	26	1233	347	96	0.82	0.1	9.010	0.087	10	3	1	145

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Balanced Voltage Drop Report
Source: Maplesville

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.56311	PL.57633	ABC	#1/0 ACSR	7.13Y	118.9	0.07	6.11	59.33	26	1223	343	96	0.62	0.1	9.077	0.067	0	0	0	144
PL.44080	PL.56311	ABC	#1/0 ACSR	7.12Y	118.7	0.17	6.29	59.33	26	1222	343	96	1.51	0.1	9.239	0.162	16	4	1	144
PL.44081	PL.44080	ABC	#1/0 ACSR	7.12Y	118.6	0.08	6.37	58.53	25	1204	337	96	0.70	0.1	9.316	0.077	0	0	0	143
PL.44082	PL.44081	ABC	#1/0 ACSR	7.11Y	118.6	0.08	6.45	57.51	25	1183	331	96	0.66	0.1	9.391	0.075	6	2	1	142
PL.44085	PL.44082	ABC	#1/0 ACSR	7.09Y	118.2	0.38	6.83	57.23	25	1176	329	96	3.24	0.3	9.765	0.374	12	3	1	141
PL.59856	PL.44085	B	#1/0 ACSR	7.09Y	118.2	0.00	6.83	2.91	1	20	5	97	0.00	0.0	9.768	0.003	0	0	0	2
PD.8896	PL.59856	B	40QA	7.09Y	118.2	0.00	6.83	2.91	7	20	5	97	0.00	0.0	9.768	0.003	0	0	0	2
PL.59902	PD.8896	B	#1/0 ACSR	7.09Y	118.2	0.01	6.84	2.91	1	20	5	97	0.00	0.0	9.847	0.079	0	0	1	2
PL.64381	PL.59902	B	#1/0 ACSR	7.09Y	118.1	0.02	6.85	2.91	1	20	5	97	0.00	0.0	10.093	0.246	0	0	0	1
PL.64382	PL.64381	B	#1/0 ACSR	7.09Y	118.1	0.00	6.85	2.91	1	20	5	97	0.00	0.0	10.093	0.000	20	5	1	1
PL.59826	PL.44085	ABC	#1/0 ACSR	7.08Y	118.1	0.10	6.93	55.66	24	1141	317	96	0.82	0.1	9.864	0.100	0	0	0	138
L PL.59827	PL.59826	ABC	#1/0 ACSR	7.08Y	118.0	0.07	7.00	55.66	24	1140	316	96	0.60	0.1	9.937	0.072	0	0	0	138 L
L PL.59829	PL.59827	ABC	#1/0 ACSR	7.08Y	117.9	0.07	7.07	55.03	24	1126	312	96	0.55	0.0	10.005	0.068	0	0	0	137 L
L PL.59831	PL.59829	ABC	#1/0 ACSR	7.07Y	117.8	0.16	7.23	55.03	24	1126	311	96	1.32	0.1	10.169	0.164	0	0	0	137 L
L PL.59830	PL.59831	A	#1/0 ACSR	7.07Y	117.8	0.00	7.23	2.99	1	20	5	97	0.00	0.0	10.170	0.001	0	0	0	1 L
L PD.8834	PL.59830	A	25T	7.07Y	117.8	0.00	7.23	2.99	0	20	5	97	0.00	0.0	10.170	0.001	0	0	0	1 L
L PL.59828	PD.8834	A	#1/0 ACSR	7.07Y	117.8	0.00	7.24	2.99	1	20	5	97	0.00	0.0	10.237	0.067	0	0	0	1 L
L PL.44086	PL.59828	A	#4 ACSR	7.07Y	117.8	0.01	7.25	2.99	2	20	5	97	0.00	0.0	10.364	0.127	20	5	1	1 L
L PL.59833	PL.59831	ABC	#1/0 ACSR	7.06Y	117.6	0.17	7.41	54.03	23	1104	305	96	1.39	0.1	10.348	0.179	0	0	0	136 L
L PL.72533	PL.59833	ABC	#1/0 ACSR	7.05Y	117.5	0.06	7.47	53.50	23	1092	300	96	0.51	0.0	10.415	0.067	0	0	0	135 L
L PL.72534	PL.72533	ABC	#1/0 ACSR	7.05Y	117.5	0.00	7.47	53.50	23	1091	300	96	0.00	0.0	10.415	0.000	0	0	0	135 L
L PL.59834	PL.72534	ABC	#1/0 ACSR	7.04Y	117.3	0.20	7.67	53.50	23	1091	300	96	1.56	0.1	10.620	0.205	7	2	1	135 L
L PL.59836	PL.59834	ABC	#1/0 ACSR	7.04Y	117.3	0.08	7.75	51.33	22	1045	287	96	0.59	0.1	10.704	0.083	0	0	0	130 L
L PL.59841	PL.59836	ABC	#1/0 ACSR	7.03Y	117.2	0.08	7.83	45.02	20	916	251	96	0.55	0.1	10.806	0.103	1	0	1	117 L
L PL.59729	PL.59841	A	#1/0 ACSR	7.03Y	117.2	0.00	7.83	1.57	1	11	3	96	0.00	0.0	10.807	0.001	0	0	0	1 L
L PD.8836	PL.59729	A	40QA	7.03Y	117.2	0.00	7.83	1.57	4	11	3	96	0.00	0.0	10.807	0.001	0	0	0	1 L
L PL.59838	PD.8836	A	#1/0 ACSR	7.03Y	117.2	0.00	7.83	1.57	1	11	3	96	0.00	0.0	10.858	0.050	11	3	1	1 L
L PL.59840	PL.59841	ABC	#1/0 ACSR	7.02Y	117.1	0.09	7.92	44.47	19	905	248	96	0.60	0.1	10.921	0.115	0	0	0	115 L
L PL.59730	PL.59840	B	6 A (CWC)	7.02Y	117.1	0.00	7.92	10.02	7	68	18	97	0.00	0.0	10.927	0.006	0	0	0	11 L
L PD.8837	PL.59730	B	35L	7.02Y	117.1	0.00	7.92	10.02	29	68	18	97	0.00	0.0	10.927	0.006	0	0	0	11 L
L PL.59731	PD.8837	B	6 A (CWC)	7.02Y	117.0	0.08	8.01	10.02	7	68	18	97	0.04	0.1	11.116	0.189	4	1	1	11 L

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Balanced Voltage Drop Report
Source: Maplesville

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

L PL.59732	PL.59731	B	6 A (CWC)	7.01Y	116.9	0.11	8.12	9.45	7	64	17	97	0.06	0.1	11.371	0.255	0	0	0	10 L
L PL.44025	PL.59732	B	6 A (CWC)	7.01Y	116.9	0.03	8.15	9.45	7	64	17	97	0.01	0.0	11.441	0.070	6	1	1	10 L
L PL.44113	PL.44025	B	6 A (CWC)	7.01Y	116.8	0.03	8.18	8.64	6	58	16	96	0.01	0.0	11.539	0.098	13	3	1	9 L
L PL.44114	PL.44113	B	6 A (CWC)	7.01Y	116.8	0.02	8.20	6.79	5	46	12	97	0.01	0.0	11.617	0.078	7	2	1	8 L
L PL.44115	PL.44114	B	6 A (CWC)	7.01Y	116.8	0.03	8.23	5.73	4	39	10	97	0.01	0.0	11.739	0.122	12	3	2	7 L
L PL.44133	PL.44115	B	6 A (CWC)	7.00Y	116.7	0.05	8.28	2.61	2	18	5	96	0.01	0.0	12.176	0.437	0	0	0	2 L
L PL.43663	PL.44133	B	#4 ACSR	7.00Y	116.7	0.00	8.28	0.00	0	0	0	100	0.00	0.0	12.328	0.151	0	0	0	0 L
L PL.44134	PL.44133	B	6 A (CWC)	7.00Y	116.7	0.02	8.30	2.61	2	18	5	96	0.00	0.0	12.340	0.164	6	2	1	2 L
L PL.43485	PL.44134	B	6 A (CWC)	7.00Y	116.7	0.01	8.31	1.78	1	12	3	97	0.00	0.0	12.557	0.218	12	3	1	1 L
L PL.42970	PL.43485	B	6 A (CWC)	7.00Y	116.7	0.00	8.31	0.00	0	0	0	100	0.00	0.0	12.689	0.132	0	0	0	0 L
L PL.44116	PL.44115	B	6 A (CWC)	7.01Y	116.8	0.01	8.24	1.32	1	9	2	98	0.00	0.0	11.862	0.123	0	0	0	3 L
L PL.44117	PL.44116	B	6 A (CWC)	7.01Y	116.8	0.01	8.25	1.32	1	9	2	98	0.00	0.0	12.022	0.160	2	0	2	3 L
L PL.44118	PL.44117	B	6 A (CWC)	7.00Y	116.7	0.00	8.25	1.08	1	7	2	96	0.00	0.0	12.185	0.163	7	2	1	1 L
L PL.59839	PL.59840	ABC	#1/0 ACSR	7.02Y	117.0	0.06	7.98	41.13	18	836	229	96	0.36	0.0	11.002	0.081	4	1	1	104 L
L PL.44279	PL.59839	C	6 A (CWC)	7.02Y	117.0	0.00	7.98	3.30	2	22	6	96	0.00	0.0	11.007	0.006	0	0	0	1 L
L PD.6837	PL.44279	C	50QA	7.02Y	117.0	0.00	7.98	3.30	7	22	6	96	0.00	0.0	11.007	0.006	0	0	0	1 L
L PL.44280	PD.6837	C	6 A (CWC)	7.02Y	117.0	0.01	7.99	3.30	2	22	6	96	0.00	0.0	11.107	0.099	22	6	1	1 L
L PL.44281	PL.59839	ABC	#1/0 ACSR	7.00Y	116.7	0.27	8.25	39.84	17	809	221	96	1.58	0.2	11.383	0.381	17	4	2	102 L
L PL.41998	PL.44281	C	6 A (CWC)	7.00Y	116.7	0.00	8.25	1.44	1	10	3	96	0.00	0.0	11.455	0.073	10	3	1	1 L
L PL.59473	PL.41998	C	#4/0 ACSR	7.00Y	116.7	0.00	8.25	0.00	0	0	0	100	0.00	0.0	11.471	0.016	0	0	0	0 L
L PL.43694	PL.44281	ABC	#1/0 ACSR	7.00Y	116.7	0.04	8.30	38.00	17	770	210	96	0.24	0.0	11.447	0.064	5	3	1	98 L
L PL.43695	PL.43694	ABC	#1/0 ACSR	7.00Y	116.7	0.01	8.31	37.73	16	765	207	97	0.06	0.0	11.462	0.016	0	0	0	97 L
L PL.43692	PL.43695	C	#1/0 ACSR	7.00Y	116.7	0.00	8.31	29.96	13	202	55	96	0.01	0.0	11.468	0.006	0	0	0	23 L
L PD.6939	PL.43692	C	50QA	7.00Y	116.7	0.00	8.31	29.96	60	202	55	96	0.00	0.0	11.468	0.006	0	0	0	23 L
L PL.43696	PD.6939	C	#1/0 ACSR	7.00Y	116.6	0.08	8.39	29.96	13	202	55	96	0.11	0.1	11.578	0.110	2	1	1	23 L
L PL.42955	PL.43696	C	#2 ACSR	7.00Y	116.6	0.00	8.39	1.41	1	10	3	96	0.00	0.0	11.648	0.071	10	3	1	1 L
L PL.43697	PL.43696	C	#1/0 ACSR	6.98Y	116.4	0.23	8.61	28.21	12	191	52	96	0.28	0.1	11.953	0.375	30	8	2	21 L
L PL.43698	PL.43697	C	#1/0 ACSR	6.98Y	116.4	0.03	8.64	23.79	10	160	43	97	0.03	0.0	12.013	0.060	13	4	2	19 L
L PL.44531	PL.43698	C	#1/0 ACSR	6.98Y	116.3	0.03	8.67	21.81	9	147	40	96	0.03	0.0	12.073	0.061	0	0	0	17 L
L PL.44191	PL.44531	C	#2 ACSR	6.98Y	116.3	0.00	8.67	0.00	0	0	0	100	0.00	0.0	12.339	0.265	0	0	0	0 L
L PL.44132	PL.44191	C	6 A (CWC)	6.98Y	116.3	0.00	8.67	0.00	0	0	0	100	0.00	0.0	12.344	0.006	0	0	0	0 L

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Balanced Voltage Drop Report
Source: Maplesville

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
L PD.6973-B	PL.44132	C	Open	6.98Y	116.3	0.00	8.67	0.00	0	0	0	100	0.00	0.0	12.344	0.006	0	0	0	0 L
L PL.57535	PL.44531	C	#2 ACSR	6.98Y	116.3	0.07	8.74	21.81	12	147	40	96	0.07	0.0	12.180	0.107	20	5	2	17 L
L PL.63780	PL.57535	C	#2 ACSR	6.98Y	116.3	0.00	8.74	18.85	11	127	34	97	0.00	0.0	12.181	0.001	0	0	0	15 L
L PL.63781	PL.63780	C	#2 ACSR	6.97Y	116.2	0.01	8.76	18.85	11	127	34	97	0.01	0.0	12.212	0.030	59	16	6	15 L
L PL.57534	PL.63781	C	#2 ACSR	6.97Y	116.2	0.01	8.76	6.93	4	47	13	96	0.00	0.0	12.257	0.045	31	8	5	6 L
L PL.44534	PL.57534	C	#2 ACSR	6.97Y	116.2	0.00	8.77	2.35	1	16	4	97	0.00	0.0	12.345	0.088	16	4	1	1 L
L PL.57533	PL.63781	C	#2 ACSR	6.97Y	116.2	0.00	8.76	3.19	2	22	6	96	0.00	0.0	12.232	0.020	0	0	1	3 L
L PL.44532	PL.57533	C	#2 ACSR	6.97Y	116.2	0.01	8.77	3.19	2	22	6	96	0.00	0.0	12.359	0.127	13	4	1	2 L
L PL.44533	PL.44532	C	#2 ACSR	6.97Y	116.2	0.00	8.77	1.24	1	8	2	97	0.00	0.0	12.375	0.016	8	2	1	1 L
L PL.43080	PL.43695	ABC	#1/0 ACSR	7.00Y	116.7	0.01	8.32	27.74	12	562	152	97	0.05	0.0	11.489	0.026	0	0	0	74 L
L PL.43693	PL.43080	C	6 A (CWC)	7.00Y	116.7	0.01	8.33	31.32	22	212	57	97	0.01	0.0	11.494	0.006	0	0	0	22 L
C PD.6836	PL.43693	C	40QA	7.00Y	116.7	0.00	8.33	31.32	78	212	57	97	0.00	0.0	11.494	0.006	0	0	0	22 C
L PL.64819	PD.6836	C	6 A (CWC)	6.99Y	116.6	0.10	8.43	31.32	22	212	57	97	0.16	0.1	11.563	0.069	0	0	0	22 L
L PL.64820	PL.64819	C	6 A (CWC)	6.99Y	116.5	0.11	8.53	31.32	22	212	57	97	0.17	0.1	11.639	0.075	7	2	1	22 L
L PL.64818	PL.64820	C	6 A (CWC)	6.99Y	116.5	0.00	8.53	30.32	22	205	55	97	0.00	0.0	11.639	0.000	0	0	0	21 L
L PL.59733	PL.64818	C	6 A (CWC)	6.99Y	116.5	0.01	8.54	30.32	22	205	55	97	0.01	0.0	11.644	0.006	0	0	0	21 L
C PD.6830	PL.59733	C	35L	6.99Y	116.5	0.00	8.54	30.32	87	205	55	97	0.00	0.0	11.644	0.006	0	0	0	21 C
L PL.44342	PD.6830	C	6 A (CWC)	6.98Y	116.3	0.11	8.65	30.32	22	205	55	97	0.18	0.1	11.728	0.083	10	3	2	21 L
L PL.44344	PL.44342	C	6 A (CWC)	6.97Y	116.1	0.22	8.87	28.35	20	191	52	96	0.33	0.2	11.903	0.175	8	2	1	18 L
L PL.44345	PL.44344	C	#4 ACSR	6.97Y	116.1	0.01	8.88	2.65	2	18	5	96	0.00	0.0	11.986	0.083	9	2	1	2 L
L PL.44346	PL.44345	C	#4 ACSR	6.97Y	116.1	0.00	8.88	1.31	1	9	2	98	0.00	0.0	12.059	0.073	9	2	1	1 L
L PL.44347	PL.44344	C	6 A (CWC)	6.96Y	116.1	0.07	8.95	24.48	17	165	44	97	0.09	0.1	11.967	0.064	0	0	0	15 L
L PL.44348	PL.44347	C	6 A (CWC)	6.96Y	116.0	0.03	8.97	24.48	17	165	44	97	0.03	0.0	11.990	0.024	10	3	1	15 L
L PL.44349	PL.44348	C	6 A (CWC)	6.96Y	116.0	0.05	9.02	20.90	15	141	38	97	0.06	0.0	12.045	0.055	0	0	0	13 L
L PL.44350	PL.44349	C	6 A (CWC)	6.95Y	115.9	0.11	9.13	19.89	14	134	36	97	0.11	0.1	12.161	0.116	0	0	0	12 L
L PL.42974	PL.44350	C	6 A (CWC)	6.95Y	115.9	0.01	9.14	2.87	2	19	5	97	0.00	0.0	12.277	0.116	19	5	2	2 L
L PL.63205	PL.44350	C	6 A (CWC)	6.94Y	115.7	0.15	9.28	17.02	12	114	31	96	0.14	0.1	12.354	0.192	0	0	0	10 L
L PL.63203	PL.63205	C	6 A (CWC)	6.94Y	115.7	0.00	9.28	0.00	0	0	0	100	0.00	0.0	12.403	0.049	0	0	0	0 L
L PL.63204	PL.63205	C	#2 ACSR	6.94Y	115.7	0.00	9.28	1.73	1	12	3	97	0.00	0.0	12.411	0.058	12	3	1	1 L
L PL.63206	PL.63205	C	6 A (CWC)	6.94Y	115.7	0.01	9.29	6.25	4	42	11	97	0.00	0.0	12.414	0.060	32	9	2	4 L
L PL.44343	PL.63206	C	6 A (CWC)	6.94Y	115.7	0.00	9.29	1.50	1	10	3	96	0.00	0.0	12.452	0.038	10	3	2	2 L

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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
L PL.63209	PL.63205	C	6 A (CWC)	6.94Y	115.7	0.01	9.29	2.58	2	17	5	96	0.00	0.0	12.541	0.187	17	5	1	1 L
L PL.44536	PL.63209	C	6 A (CWC)	6.94Y	115.7	0.00	9.29	0.00	0	0	0	100	0.00	0.0	12.893	0.352	0	0	0	0 L
L PL.63210	PL.63205	C	#2 ACSR	6.94Y	115.7	0.01	9.28	6.45	4	43	12	96	0.00	0.0	12.389	0.035	14	4	1	4 L
L PL.63211	PL.63210	C	#2 ACSR	6.94Y	115.7	0.01	9.29	4.40	3	29	8	96	0.00	0.0	12.434	0.045	0	0	0	3 L
L PL.63208	PL.63211	C	#2 ACSR	6.94Y	115.7	0.00	9.29	3.49	2	23	6	97	0.00	0.0	12.457	0.022	10	3	1	2 L
L PL.44535	PL.63208	C	#2 ACSR	6.94Y	115.7	0.00	9.29	1.98	1	13	4	96	0.00	0.0	12.485	0.028	13	4	1	1 L
L PL.63207	PL.63211	C	#2 ACSR	6.94Y	115.7	0.00	9.29	0.90	1	6	2	95	0.00	0.0	12.572	0.138	6	2	1	1 L
L PL.43983	PL.44349	C	6 A (CWC)	6.96Y	116.0	0.00	9.03	1.02	1	7	2	96	0.00	0.0	12.112	0.067	7	2	1	1 L
L PL.59884	PL.44348	C	#4 ACSR	6.96Y	116.0	0.00	8.97	2.10	2	14	4	96	0.00	0.0	12.047	0.057	14	4	1	1 L
L PL.43389	PL.44342	C	6 A (CWC)	6.98Y	116.3	0.00	8.65	0.55	0	4	1	97	0.00	0.0	11.768	0.040	4	1	1	1 L
L PL.44555	PL.43080	ABC	#1/0 ACSR	7.00Y	116.7	0.01	8.33	17.30	8	351	95	97	0.04	0.0	11.536	0.047	24	6	1	52 L
L PL.44556	PL.44555	B	#4 ACSR	7.00Y	116.7	0.00	8.33	1.37	1	9	2	98	0.00	0.0	11.542	0.006	0	0	0	2 L
L PD.6920	PL.44556	B	40QA	7.00Y	116.7	0.00	8.33	1.37	3	9	2	98	0.00	0.0	11.542	0.006	0	0	0	2 L
L PL.44557	PD.6920	B	#4 ACSR	7.00Y	116.7	0.00	8.33	1.37	1	9	2	98	0.00	0.0	11.578	0.037	9	2	2	2 L
L PL.44558	PL.44555	ABC	#1/0 ACSR	7.00Y	116.6	0.04	8.37	15.65	7	317	86	97	0.09	0.0	11.670	0.134	0	0	0	49 L
L PL.44559	PL.44558	B	#2 ACSR	7.00Y	116.6	0.00	8.37	1.09	1	7	2	96	0.00	0.0	11.676	0.006	0	0	0	1 L
L PD.6831	PL.44559	B	40QA	7.00Y	116.6	0.00	8.37	1.09	3	7	2	96	0.00	0.0	11.676	0.006	0	0	0	1 L
L PL.44560	PD.6831	B	#2 ACSR	7.00Y	116.6	0.00	8.37	1.09	1	7	2	96	0.00	0.0	11.702	0.026	7	2	1	1 L
L PL.44561	PL.44558	ABC	#1/0 ACSR	7.00Y	116.6	0.02	8.39	15.29	7	310	84	97	0.04	0.0	11.734	0.063	15	4	3	48 L
L PL.44562	PL.44561	ABC	#1/0 ACSR	6.99Y	116.6	0.04	8.43	13.55	6	275	74	97	0.09	0.0	11.911	0.177	0	0	0	44 L
L PL.44571	PL.44562	ABC	#1/0 ACSR	6.99Y	116.5	0.04	8.47	11.43	5	232	63	97	0.07	0.0	12.108	0.197	0	0	0	35 L
L PL.44572	PL.44571	B	#2 ACSR	6.99Y	116.5	0.00	8.47	0.26	0	2	0	100	0.00	0.0	12.114	0.006	0	0	0	1 L
L PD.6919	PL.44572	B	40QA	6.99Y	116.5	0.00	8.47	0.26	1	2	0	100	0.00	0.0	12.114	0.006	0	0	0	1 L
L PL.44573	PD.6919	B	#2 ACSR	6.99Y	116.5	0.00	8.47	0.26	0	2	0	100	0.00	0.0	12.132	0.018	2	0	1	1 L
L PL.62339	PL.44571	ABC	#1/0 ACSR	6.99Y	116.5	0.03	8.50	11.34	5	230	62	97	0.05	0.0	12.263	0.155	5	1	1	34 L
L PL.62340	PL.62339	B	6 A (CWC)	6.99Y	116.5	0.00	8.51	10.08	7	68	18	97	0.00	0.0	12.269	0.006	0	0	0	10 L
L PD.6834	PL.62340	B	40QA	6.99Y	116.5	0.00	8.51	10.08	25	68	18	97	0.00	0.0	12.269	0.006	0	0	0	10 L
L PL.44574	PD.6834	B	6 A (CWC)	6.99Y	116.5	0.03	8.54	10.08	7	68	18	97	0.02	0.0	12.339	0.070	0	0	0	10 L
L PL.43997	PL.44574	B	6 A (CWC)	6.99Y	116.4	0.04	8.58	8.60	6	58	16	96	0.02	0.0	12.439	0.100	0	0	0	9 L
L PL.44201	PL.43997	B	6 A (CWC)	6.99Y	116.4	0.00	8.58	0.33	0	2	1	89	0.00	0.0	12.559	0.119	2	1	1	1 L
L PL.43998	PL.43997	B	6 A (CWC)	6.98Y	116.4	0.03	8.61	8.27	6	56	15	97	0.01	0.0	12.526	0.087	0	0	0	8 L

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
L PL.43999	PL.43998	B	#4 ACSR	6.98Y	116.4	0.00	8.61	0.00	0	0	0	100	0.00	0.0	12.852	0.326	0	0	0	2 L
L PL.44000	PL.43999	B	#4 ACSR	6.98Y	116.4	0.00	8.61	0.00	0	0	0	100	0.00	0.0	13.021	0.169	0	0	1	2 L
L PL.44001	PL.44000	B	#4 ACSR	6.98Y	116.4	0.00	8.61	0.00	0	0	0	100	0.00	0.0	13.163	0.141	0	0	0	1 L
L PL.44002	PL.44001	B	#4 ACSR	6.98Y	116.4	0.00	8.61	0.00	0	0	0	100	0.00	0.0	13.287	0.125	0	0	1	1 L
L PL.44020	PL.43999	B	#4 ACSR	6.98Y	116.4	0.00	8.61	0.00	0	0	0	100	0.00	0.0	12.890	0.038	0	0	0	0 L
L PL.44007	PL.43998	B	#4 ACSR	6.98Y	116.4	0.01	8.62	2.71	2	18	5	96	0.00	0.0	12.626	0.100	8	2	1	2 L
L PL.44008	PL.44007	B	#4 ACSR	6.98Y	116.4	0.00	8.62	1.48	1	10	3	96	0.00	0.0	12.745	0.120	10	3	1	1 L
L PL.44050	PL.44008	B	#4 ACSR	6.98Y	116.4	0.00	8.62	0.00	0	0	0	100	0.00	0.0	12.957	0.212	0	0	0	0 L
L PL.44051	PL.44050	B	#4 ACSR	6.98Y	116.4	0.00	8.62	0.00	0	0	0	100	0.00	0.0	13.019	0.062	0	0	0	0 L
L PL.44003	PL.43998	B	6 A (CWC)	6.98Y	116.4	0.02	8.63	5.56	4	37	10	97	0.00	0.0	12.624	0.098	23	6	2	4 L
L PL.44004	PL.44003	B	6 A (CWC)	6.98Y	116.4	0.02	8.65	2.18	2	15	4	97	0.00	0.0	12.799	0.174	0	0	0	2 L
L PL.44005	PL.44004	B	6 A (CWC)	6.98Y	116.4	0.00	8.65	2.07	1	14	4	96	0.00	0.0	12.861	0.062	14	4	1	1 L
L PL.44006	PL.44005	B	6 A (CWC)	6.98Y	116.4	0.00	8.65	0.00	0	0	0	100	0.00	0.0	12.928	0.067	0	0	0	0 L
L PL.44188	PL.44004	B	6 A (CWC)	6.98Y	116.4	0.00	8.65	0.11	0	1	0	100	0.00	0.0	12.864	0.065	1	0	1	1 L
L PL.44575	PL.44574	B	6 A (CWC)	6.99Y	116.5	0.00	8.54	1.48	1	10	3	96	0.00	0.0	12.344	0.006	0	0	0	1 L
L PD.6726	PL.44575	B	50QA	6.99Y	116.5	0.00	8.54	1.48	3	10	3	96	0.00	0.0	12.344	0.006	0	0	0	1 L
L PL.43996	PD.6726	B	6 A (CWC)	6.99Y	116.5	0.00	8.54	1.48	1	10	3	96	0.00	0.0	12.364	0.020	10	3	1	1 L
L PL.62338	PL.62339	ABC	#1/0 ACSR	6.98Y	116.4	0.10	8.60	7.76	3	157	42	97	0.11	0.1	12.947	0.684	0	0	0	23 L
L PL.41980	PL.62338	ABC	#1/0 ACSR	6.98Y	116.4	0.00	8.60	0.00	0	0	0	100	0.00	0.0	12.980	0.033	0	0	0	1 L
L PL.41981	PL.41980	ABC	#1/0 ACSR	6.98Y	116.4	0.00	8.60	0.00	0	0	0	100	0.00	0.0	13.053	0.073	0	0	1	1 L
L PL.41979	PL.62338	ABC	#1/0 ACSR	6.98Y	116.4	0.03	8.63	7.76	3	157	42	97	0.03	0.0	13.136	0.189	0	0	0	22 L
L PL.41983	PL.41979	B	6 A (CWC)	6.98Y	116.4	0.00	8.63	2.37	2	16	4	97	0.00	0.0	13.142	0.006	0	0	0	3 L
L PD.6832	PL.41983	B	40QA	6.98Y	116.4	0.00	8.63	2.37	6	16	4	97	0.00	0.0	13.142	0.006	0	0	0	3 L
L PL.59471	PD.6832	B	6 A (CWC)	6.98Y	116.4	0.01	8.64	2.37	2	16	4	97	0.00	0.0	13.277	0.135	6	2	1	3 L
L PL.59472	PL.59471	B	6 A (CWC)	6.98Y	116.4	0.00	8.64	1.52	1	10	3	96	0.00	0.0	13.350	0.073	1	0	1	2 L
L PL.54141	PL.59472	B	6 A (CWC)	6.98Y	116.4	0.00	8.65	1.37	1	9	2	98	0.00	0.0	13.434	0.084	9	2	1	1 L
L PL.54143	PL.41979	B	#1/0 ACSR	6.98Y	116.4	0.00	8.63	19.49	8	131	36	96	0.00	0.0	13.143	0.007	0	0	0	18 L
L PD.8134	PL.54143	B	40QA	6.98Y	116.4	0.00	8.63	19.49	49	131	36	96	0.00	0.0	13.143	0.007	0	0	0	18 L
L PL.54142	PD.8134	B	6 A (CWC)	6.98Y	116.3	0.08	8.71	19.49	14	131	36	96	0.08	0.1	13.232	0.089	6	2	1	18 L
L PL.59734	PL.54142	B	6 A (CWC)	6.97Y	116.2	0.08	8.78	18.54	13	125	34	96	0.07	0.1	13.324	0.092	5	1	1	17 L
L PL.59873	PL.59734	B	6 A (CWC)	6.97Y	116.1	0.08	8.86	17.72	13	119	32	97	0.07	0.1	13.417	0.093	0	0	0	16 L

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

Balanced Voltage Drop Report
Source: Maplesville

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

L PL.59874	PL.59873	B	6 A (CWC)	6.97Y	116.1	0.04	8.90	16.69	12	112	30	97	0.04	0.0	13.473	0.055	0	0	0	15 L
L PL.64700	PL.59874	B	6 A (CWC)	6.96Y	116.0	0.06	8.96	16.69	12	112	30	97	0.05	0.0	13.553	0.080	4	1	1	15 L
L PL.64699	PL.64700	B	6 A (CWC)	6.96Y	116.0	0.02	8.98	16.09	11	108	29	97	0.01	0.0	13.575	0.022	0	0	0	14 L
L PL.44054	PL.64699	B	6 A (CWC)	6.95Y	115.9	0.15	9.13	16.09	11	108	29	97	0.13	0.1	13.788	0.213	5	1	1	14 L
L PL.44055	PL.44054	B	6 A (CWC)	6.95Y	115.8	0.05	9.18	15.37	11	103	28	96	0.04	0.0	13.869	0.081	10	3	1	13 L
L PL.42513	PL.44055	B	#4 ACSR	6.95Y	115.8	0.00	9.18	0.89	1	6	2	95	0.00	0.0	13.937	0.069	6	2	1	1 L
L PL.44056	PL.44055	B	6 A (CWC)	6.95Y	115.8	0.04	9.22	12.92	9	87	23	97	0.03	0.0	13.934	0.065	0	0	0	11 L
L PL.44250	PL.44056	B	6 A (CWC)	6.95Y	115.8	0.00	9.22	1.15	1	8	2	97	0.00	0.0	13.985	0.051	8	2	1	1 L
L PL.44057	PL.44056	B	6 A (CWC)	6.94Y	115.7	0.06	9.28	11.77	8	79	21	97	0.04	0.0	14.039	0.105	0	0	0	10 L
L PL.44058	PL.44057	B	6 A (CWC)	6.94Y	115.7	0.04	9.31	10.96	8	73	20	96	0.02	0.0	14.111	0.072	0	0	0	9 L
L PL.43596	PL.44058	B	6 A (CWC)	6.94Y	115.7	0.00	9.32	1.27	1	9	2	98	0.00	0.0	14.168	0.057	9	2	1	1 L
L PL.44059	PL.44058	B	6 A (CWC)	6.94Y	115.6	0.05	9.36	9.69	7	65	17	97	0.03	0.0	14.227	0.116	0	0	0	8 L
L PL.44060	PL.44059	B	6 A (CWC)	6.94Y	115.6	0.03	9.39	8.53	6	57	15	97	0.01	0.0	14.320	0.092	20	5	1	7 L
L PL.44021	PL.44060	B	#1/0 ACSR	6.94Y	115.6	0.00	9.40	0.92	0	6	2	95	0.00	0.0	14.523	0.204	6	2	1	1 L
L PL.44061	PL.44060	B	6 A (CWC)	6.93Y	115.6	0.03	9.43	4.68	3	31	8	97	0.01	0.0	14.491	0.172	4	1	1	5 L
L PL.44062	PL.44061	B	6 A (CWC)	6.93Y	115.6	0.02	9.44	4.16	3	28	7	97	0.00	0.0	14.574	0.083	2	1	1	4 L
L PL.44063	PL.44062	B	6 A (CWC)	6.93Y	115.5	0.02	9.46	3.84	3	26	7	97	0.00	0.0	14.684	0.110	9	2	1	3 L
L PL.43573	PL.44063	B	#2 ACSR	6.93Y	115.5	0.01	9.47	2.27	1	15	4	97	0.00	0.0	14.898	0.214	15	4	1	1 L
L PL.44064	PL.44063	B	6 A (CWC)	6.93Y	115.5	0.00	9.46	0.27	0	2	0	100	0.00	0.0	14.725	0.042	2	0	1	1 L
L PL.43572	PL.44059	B	#4 ACSR	6.94Y	115.6	0.00	9.37	1.16	1	8	2	97	0.00	0.0	14.384	0.157	8	2	1	1 L
L PL.43974	PL.44057	B	6 A (CWC)	6.94Y	115.7	0.00	9.28	0.81	1	5	1	98	0.00	0.0	14.105	0.067	5	1	1	1 L
L PL.42934	PL.64699	B	#2 ACSR	6.96Y	116.0	0.00	8.98	0.00	0	0	0	100	0.00	0.0	13.599	0.024	0	0	0	0 L
L PL.59875	PL.59873	B	6 A (CWC)	6.97Y	116.1	0.00	8.86	1.03	1	7	2	96	0.00	0.0	13.455	0.038	7	2	1	1 L
L PL.44052	PL.41979	B	#4 ACSR	6.98Y	116.4	0.00	8.63	1.41	1	10	3	96	0.00	0.0	13.142	0.006	0	0	0	1 L
L PD.6833	PL.44052	B	40QA	6.98Y	116.4	0.00	8.63	1.41	4	10	3	96	0.00	0.0	13.142	0.006	0	0	0	1 L
L PL.44053	PD.6833	B	#4 ACSR	6.98Y	116.4	0.00	8.63	1.41	1	10	3	96	0.00	0.0	13.212	0.070	10	3	1	1 L
L PL.41982	PL.44053	B	#4 ACSR	6.98Y	116.4	0.00	8.63	0.00	0	0	0	100	0.00	0.0	13.286	0.075	0	0	0	0 L
L PL.44563	PL.44562	B	#2 ACSR	6.99Y	116.6	0.00	8.43	4.36	2	29	8	96	0.00	0.0	11.917	0.006	0	0	0	6 L
L PD.6938	PL.44563	B	40QA	6.99Y	116.6	0.00	8.43	4.36	11	29	8	96	0.00	0.0	11.917	0.006	0	0	0	6 L
L PL.44568	PD.6938	B	#2 ACSR	6.99Y	116.6	0.00	8.43	4.36	2	29	8	96	0.00	0.0	11.927	0.010	0	0	0	6 L
L PL.44022	PL.44568	B	#2 ACSR	6.99Y	116.6	0.00	8.43	1.09	1	7	2	96	0.00	0.0	11.988	0.061	7	2	2	2 L

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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
L PL.44569	PL.44568	B	#2 ACSR	6.99Y	116.6	0.01	8.44	3.27	2	22	6	96	0.00	0.0	11.999	0.072	2	1	1	4 L
L PL.44570	PL.44569	B	#2 ACSR	6.99Y	116.6	0.00	8.44	2.93	2	20	5	97	0.00	0.0	12.047	0.048	20	5	3	3 L
L PL.44564	PL.44562	B	#2 ACSR	6.99Y	116.6	0.00	8.43	2.00	1	13	4	96	0.00	0.0	11.917	0.006	0	0	0	3 L
L PD.6835	PL.44564	B	40QA	6.99Y	116.6	0.00	8.43	2.00	5	13	4	96	0.00	0.0	11.917	0.006	0	0	0	3 L
L PL.44565	PD.6835	B	#2 ACSR	6.99Y	116.6	0.00	8.43	2.00	1	13	4	96	0.00	0.0	11.952	0.035	0	0	0	3 L
L PL.44566	PL.44565	B	#2 ACSR	6.99Y	116.6	0.00	8.44	1.93	1	13	3	97	0.00	0.0	11.999	0.048	12	3	1	2 L
L PL.44567	PL.44566	B	#2 ACSR	6.99Y	116.6	0.00	8.44	0.16	0	1	0	100	0.00	0.0	12.039	0.039	1	0	1	1 L
L PL.44119	PL.44565	B	6 A (CWC)	6.99Y	116.6	0.00	8.43	0.07	0	0	0	100	0.00	0.0	11.998	0.046	0	0	1	1 L
L PL.44120	PL.44119	B	6 A (CWC)	6.99Y	116.6	0.00	8.43	0.00	0	0	0	100	0.00	0.0	12.086	0.087	0	0	0	0 L
L PL.44202	PL.44561	B	#4 ACSR	7.00Y	116.6	0.00	8.39	3.02	2	20	5	97	0.00	0.0	11.789	0.055	20	5	1	1 L
L PL.43486	PL.44281	A	6 A (CWC)	7.00Y	116.7	0.00	8.25	1.63	1	11	3	96	0.00	0.0	11.389	0.006	0	0	0	1 L
L PD.6940	PL.43486	A	50QA	7.00Y	116.7	0.00	8.25	1.63	3	11	3	96	0.00	0.0	11.389	0.006	0	0	0	1 L
L PL.43487	PD.6940	A	6 A (CWC)	7.00Y	116.7	0.00	8.25	1.63	1	11	3	96	0.00	0.0	11.432	0.044	11	3	1	1 L
L PL.59837	PL.59836	B	#1/0 ACSR	7.04Y	117.3	0.00	7.75	18.91	8	128	35	96	0.00	0.0	10.707	0.003	0	0	0	13 L
L PD.8835	PL.59837	B	35L	7.04Y	117.3	0.00	7.75	18.91	54	128	35	96	0.00	0.0	10.707	0.003	0	0	0	13 L
L PL.59835	PD.8835	B	#1/0 ACSR	7.03Y	117.2	0.03	7.78	18.91	8	128	35	96	0.03	0.0	10.780	0.073	0	0	0	13 L
L PL.44124	PL.59835	B	6 A (CWC)	7.02Y	117.0	0.17	7.95	18.91	14	128	35	96	0.17	0.1	10.979	0.199	0	0	0	13 L
L PL.44125	PL.44124	B	6 A (CWC)	7.02Y	116.9	0.12	8.07	17.27	12	117	32	96	0.11	0.1	11.138	0.159	12	3	1	12 L
L PL.44126	PL.44125	B	6 A (CWC)	7.01Y	116.8	0.10	8.17	14.30	10	97	26	97	0.08	0.1	11.295	0.158	0	0	0	9 L
L PL.42512	PL.44126	B	6 A (CWC)	7.00Y	116.6	0.20	8.37	14.30	10	97	26	97	0.15	0.2	11.596	0.301	0	0	0	8 L
L PL.41946	PL.42512	B	6 A (CWC)	7.00Y	116.6	0.03	8.40	2.17	2	15	4	97	0.00	0.0	11.873	0.278	0	0	0	2 L
L PL.41947	PL.41946	B	#2 ACSR	7.00Y	116.6	0.01	8.41	2.12	1	14	4	96	0.00	0.0	11.988	0.114	0	0	0	1 L
L PL.41948	PL.41947	B	#2 ACSR	7.00Y	116.6	0.00	8.41	2.12	1	14	4	96	0.00	0.0	12.050	0.063	14	4	1	1 L
L PL.44130	PL.41946	B	6 A (CWC)	7.00Y	116.6	0.00	8.40	0.05	0	0	0	100	0.00	0.0	12.011	0.138	0	0	1	1 L
L PL.44131	PL.44130	B	6 A (CWC)	7.00Y	116.6	0.00	8.40	0.00	0	0	0	100	0.00	0.0	12.023	0.012	0	0	0	0 L
L PD.6973-A	PL.44131	B	Open	7.00Y	116.6	0.00	8.40	0.00	0	0	0	100	0.00	0.0	12.023	0.012	0	0	0	0 L
L PL.41940	PL.42512	B	6 A (CWC)	6.99Y	116.5	0.13	8.50	12.13	9	82	22	97	0.09	0.1	11.836	0.240	0	0	0	6 L
L PL.41941	PL.41940	B	6 A (CWC)	6.98Y	116.3	0.18	8.68	10.73	8	72	19	97	0.10	0.1	12.207	0.371	0	0	0	5 L
L PL.43077	PL.41941	B	6 A (CWC)	6.98Y	116.3	0.00	8.69	2.91	2	20	5	97	0.00	0.0	12.275	0.069	20	5	1	1 L
L PL.41942	PL.41941	B	6 A (CWC)	6.98Y	116.3	0.03	8.72	7.82	6	53	14	97	0.01	0.0	12.306	0.100	2	1	1	4 L
L PL.41943	PL.41942	B	6 A (CWC)	6.98Y	116.3	0.02	8.74	7.46	5	50	13	97	0.01	0.0	12.376	0.070	9	2	1	3 L

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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
L PL.41944	PL.41943	B	6 A (CWC)	6.97Y	116.2	0.01	8.75	6.10	4	41	11	97	0.00	0.0	12.414	0.038	0	0	0	2 L
L PL.43600	PL.41944	B	#2 ACSR	6.97Y	116.2	0.00	8.75	0.00	0	0	0	100	0.00	0.0	12.457	0.044	0	0	0	0 L
L PL.41945	PL.41944	B	6 A (CWC)	6.97Y	116.2	0.01	8.76	6.10	4	41	11	97	0.00	0.0	12.467	0.053	41	11	2	2 L
L PL.41939	PL.41940	B	#4 ACSR	6.99Y	116.5	0.00	8.51	1.40	1	9	3	95	0.00	0.0	11.975	0.139	9	3	1	1 L
L PL.44129	PL.44126	B	6 A (CWC)	7.01Y	116.8	0.00	8.17	0.00	0	0	0	100	0.00	0.0	11.384	0.089	0	0	0	1 L
L PL.41936	PL.44129	B	6 A (CWC)	7.01Y	116.8	0.00	8.17	0.00	0	0	0	100	0.00	0.0	11.518	0.134	0	0	0	1 L
L PL.41937	PL.41936	B	6 A (CWC)	7.01Y	116.8	0.00	8.17	0.00	0	0	0	100	0.00	0.0	11.618	0.100	0	0	0	1 L
L PL.41938	PL.41937	B	6 A (CWC)	7.01Y	116.8	0.00	8.17	0.00	0	0	0	100	0.00	0.0	11.674	0.056	0	0	1	1 L
L PL.43322	PL.44129	B	6 A (CWC)	7.01Y	116.8	0.00	8.17	0.00	0	0	0	100	0.00	0.0	11.496	0.112	0	0	0	0 L
L PL.44127	PL.44125	B	6 A (CWC)	7.02Y	116.9	0.00	8.07	1.26	1	9	2	98	0.00	0.0	11.160	0.022	2	0	1	2 L
L PL.44128	PL.44127	B	6 A (CWC)	7.02Y	116.9	0.00	8.07	1.04	1	7	2	96	0.00	0.0	11.218	0.058	7	2	1	1 L
L PL.43074	PL.44124	B	#2 ACSR	7.02Y	117.0	0.00	7.96	1.64	1	11	3	96	0.00	0.0	11.099	0.120	11	3	1	1 L
L PL.44530	PL.59834	C	6 A (CWC)	7.04Y	117.3	0.00	7.67	5.56	4	38	10	97	0.00	0.0	10.626	0.006	0	0	0	4 L
L PD.6838	PL.44530	C	50QA	7.04Y	117.3	0.00	7.67	5.56	11	38	10	97	0.00	0.0	10.626	0.006	0	0	0	4 L
L PL.43688	PD.6838	C	6 A (CWC)	7.04Y	117.3	0.02	7.69	5.56	4	38	10	97	0.00	0.0	10.689	0.063	0	0	0	4 L
L PL.43689	PL.43688	C	6 A (CWC)	7.04Y	117.3	0.02	7.71	5.56	4	38	10	97	0.00	0.0	10.777	0.087	13	4	2	4 L
L PL.43690	PL.43689	C	6 A (CWC)	7.04Y	117.3	0.02	7.72	3.61	3	25	7	96	0.00	0.0	10.888	0.111	0	0	0	2 L
L PL.43658	PL.43690	C	#4 ACSR	7.04Y	117.3	0.00	7.73	2.23	2	15	4	97	0.00	0.0	10.945	0.057	15	4	1	1 L
L PL.43691	PL.43690	C	6 A (CWC)	7.04Y	117.3	0.00	7.73	1.37	1	9	3	95	0.00	0.0	10.972	0.084	9	3	1	1 L
L PL.61685	PL.59833	C	6 A (CWC)	7.06Y	117.6	0.00	7.41	1.60	1	11	3	96	0.00	0.0	10.349	0.001	0	0	0	1 L
L PD.9150	PL.61685	C	40QA	7.06Y	117.6	0.00	7.41	1.60	4	11	3	96	0.00	0.0	10.349	0.001	0	0	0	1 L
L PL.61686	PD.9150	C	6 A (CWC)	7.06Y	117.6	0.00	7.41	1.60	1	11	3	96	0.00	0.0	10.393	0.044	11	3	1	1 L
L PL.59901	PL.59827	A	#1/0 ACSR	7.08Y	118.0	0.00	7.00	1.91	1	13	4	96	0.00	0.0	9.960	0.024	13	4	1	1 L
PL.59825	PL.44081	C	#1/0 ACSR	7.12Y	118.6	0.00	6.37	0.00	0	0	0	100	0.00	0.0	9.401	0.086	0	0	0	0
PL.44083	PL.44081	A	#2 ACSR	7.12Y	118.6	0.00	6.37	3.05	2	21	6	96	0.00	0.0	9.321	0.006	0	0	0	1
PD.6950	PL.44083	A	40QA	7.12Y	118.6	0.00	6.37	3.05	8	21	6	96	0.00	0.0	9.321	0.006	0	0	0	1
PL.44084	PD.6950	A	#2 ACSR	7.12Y	118.6	0.01	6.38	3.05	2	21	6	96	0.00	0.0	9.545	0.223	21	6	1	1
PL.56310	PL.57633	A	#1/0 ACSR	7.14Y	119.0	0.00	6.04	0.00	0	0	0	100	0.00	0.0	9.016	0.006	0	0	0	0
PD.6929	PL.56310	A	60QA	7.14Y	119.0	0.00	6.04	0.00	0	0	0	100	0.00	0.0	9.016	0.006	0	0	0	0
PL.41973	PD.6929	A	#1/0 ACSR	7.14Y	119.0	0.00	6.04	0.00	0	0	0	100	0.00	0.0	9.119	0.103	0	0	0	0
PL.44512	PL.52691	A	6 A (CWC)	7.15Y	119.1	0.01	5.88	42.45	30	293	80	96	0.02	0.0	8.857	0.006	0	0	0	41

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.6828	PL.44512	A	30T	7.15Y	119.1	0.00	5.88	42.45	0	293	80	96	0.00	0.0	8.857	0.006	0	0	0	41
PL.44513	PD.6828	A	6 A (CWC)	7.14Y	119.0	0.14	6.02	42.45	30	293	80	96	0.32	0.1	8.930	0.073	0	0	0	41
PL.44514	PL.44513	A	6 A (CWC)	7.13Y	118.9	0.07	6.09	42.45	30	292	80	96	0.16	0.1	8.968	0.039	13	4	1	41
PL.62711	PL.44514	A	6 A (CWC)	7.12Y	118.7	0.21	6.31	40.56	29	279	76	96	0.46	0.2	9.086	0.117	6	2	1	40
PL.62710	PL.62711	A	6 A (CWC)	7.12Y	118.7	0.01	6.31	2.66	2	18	5	96	0.00	0.0	9.226	0.141	18	5	1	1
PL.62712	PL.62711	A	6 A (CWC)	7.11Y	118.6	0.11	6.42	37.06	26	255	70	96	0.22	0.1	9.151	0.066	0	0	1	38
PL.59807	PL.62712	A	6 A (CWC)	7.10Y	118.4	0.17	6.58	34.98	25	240	66	96	0.31	0.1	9.257	0.105	0	0	1	36
PL.63214	PL.59807	A	6 A (CWC)	7.10Y	118.3	0.12	6.70	34.96	25	240	65	97	0.21	0.1	9.332	0.075	13	3	1	35
PL.63213	PL.63214	A	6 A (CWC)	7.09Y	118.1	0.18	6.88	32.11	23	220	60	96	0.31	0.1	9.453	0.122	0	0	1	33
L PL.43577	PL.63213	A	6 A (CWC)	7.07Y	117.9	0.21	7.09	32.08	23	219	60	96	0.36	0.2	9.597	0.144	0	0	0	32 L
L PL.43578	PL.43577	A	6 A (CWC)	7.07Y	117.8	0.12	7.21	32.08	23	219	59	97	0.20	0.1	9.678	0.081	0	0	0	32 L
L PL.44355	PL.43578	A	6 A (CWC)	7.05Y	117.4	0.37	7.58	31.06	22	212	57	97	0.62	0.3	9.942	0.264	2	0	1	31 L
L PL.59869	PL.44355	A	6 A (CWC)	7.04Y	117.4	0.06	7.65	30.80	22	209	57	96	0.11	0.1	9.988	0.046	3	1	1	30 L
L PL.59870	PL.59869	A	6 A (CWC)	7.03Y	117.2	0.13	7.78	30.34	22	206	56	96	0.21	0.1	10.081	0.093	0	0	0	29 L
L PL.44518	PL.59870	A	6 A (CWC)	7.03Y	117.1	0.13	7.91	26.75	19	182	49	97	0.19	0.1	10.189	0.108	0	0	0	26 L
L PL.43659	PL.44518	A	#4 ACSR	7.03Y	117.1	0.00	7.91	0.00	0	0	0	100	0.00	0.0	10.267	0.078	0	0	0	0 L
L PL.44519	PL.44518	A	6 A (CWC)	7.02Y	117.0	0.08	7.99	26.75	19	181	49	97	0.12	0.1	10.259	0.070	7	2	1	26 L
L PL.44520	PL.44519	A	6 A (CWC)	7.02Y	117.0	0.05	8.05	25.69	18	174	47	97	0.07	0.0	10.307	0.048	12	3	1	25 L
L PL.44521	PL.44520	A	6 A (CWC)	7.01Y	116.8	0.13	8.17	23.95	17	162	44	97	0.16	0.1	10.422	0.115	0	0	0	24 L
L PL.43792	PL.44521	A	#4 ACSR	7.01Y	116.8	0.01	8.18	2.60	2	18	5	96	0.00	0.0	10.519	0.097	18	5	1	1 L
L PL.44522	PL.44521	A	6 A (CWC)	7.00Y	116.7	0.10	8.27	18.62	13	126	34	97	0.10	0.1	10.543	0.121	0	0	0	22 L
L PL.44523	PL.44522	A	6 A (CWC)	7.00Y	116.7	0.01	8.28	3.07	2	21	6	96	0.00	0.0	10.611	0.069	0	0	0	2 L
L PL.44524	PL.44523	A	6 A (CWC)	7.00Y	116.7	0.00	8.29	3.07	2	21	6	96	0.00	0.0	10.656	0.045	12	3	1	2 L
L PL.44525	PL.44524	A	6 A (CWC)	7.00Y	116.7	0.00	8.29	1.32	1	9	2	98	0.00	0.0	10.706	0.050	9	2	1	1 L
L PL.44526	PL.44525	A	6 A (CWC)	7.00Y	116.7	0.00	8.29	0.00	0	0	0	100	0.00	0.0	10.831	0.125	0	0	0	0 L
L PL.44028	PL.44526	A	#1/0 ACSR	7.00Y	116.7	0.00	8.29	0.00	0	0	0	100	0.00	0.0	10.948	0.117	0	0	0	0 L
L PL.44527	PL.44526	A	6 A (CWC)	7.00Y	116.7	0.00	8.29	0.00	0	0	0	100	0.00	0.0	10.954	0.124	0	0	0	0 L
L PL.43280	PL.44522	A	6 A (CWC)	7.00Y	116.7	0.04	8.31	15.55	11	105	28	97	0.03	0.0	10.600	0.058	24	6	3	20 L
L PL.43281	PL.43280	A	6 A (CWC)	7.00Y	116.7	0.03	8.34	12.02	9	81	22	97	0.02	0.0	10.660	0.060	3	1	3	17 L
L PL.43289	PL.43281	A	6 A (CWC)	7.00Y	116.6	0.02	8.36	11.64	8	79	21	97	0.01	0.0	10.688	0.028	0	0	0	14 L
L PL.44177	PL.43289	A	#2 ACSR	7.00Y	116.6	0.00	8.36	2.61	1	18	5	96	0.00	0.0	10.795	0.107	18	5	1	1 L

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Balanced Voltage Drop Report
Source: Maplesville

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

L PL.43386	PL.43289	A	6 A (CWC)	7.00Y	116.6	0.01	8.37	9.03	6	61	16	97	0.01	0.0	10.725	0.037	5	1	2	13 L
L PL.43387	PL.43386	A	6 A (CWC)	7.00Y	116.6	0.03	8.40	8.27	6	56	15	97	0.01	0.0	10.794	0.069	0	0	1	11 L
L PL.43579	PL.43387	A	6 A (CWC)	6.99Y	116.5	0.07	8.47	8.27	6	56	15	97	0.03	0.1	10.981	0.186	0	0	0	10 L
L PL.43582	PL.43579	A	6 A (CWC)	6.99Y	116.5	0.01	8.48	1.12	1	8	2	97	0.00	0.0	11.220	0.239	0	0	0	3 L
L PL.43583	PL.43582	A	6 A (CWC)	6.99Y	116.5	0.00	8.48	0.00	0	0	0	100	0.00	0.0	11.267	0.047	0	0	0	0 L
L PL.43284	PL.43582	A	6 A (CWC)	6.99Y	116.5	0.00	8.48	1.12	1	8	2	97	0.00	0.0	11.285	0.065	8	2	3	3 L
L PL.44300	PL.43579	A	6 A (CWC)	6.99Y	116.5	0.00	8.47	1.96	1	13	4	96	0.00	0.0	11.043	0.062	10	3	1	2 L
L PL.44301	PL.44300	A	6 A (CWC)	6.99Y	116.5	0.00	8.47	0.55	0	4	1	97	0.00	0.0	11.120	0.077	4	1	1	1 L
L PL.43580	PL.43579	A	#4 ACSR	6.99Y	116.5	0.03	8.50	5.18	4	35	9	97	0.01	0.0	11.103	0.122	0	0	0	5 L
L PL.43581	PL.43580	A	#4 ACSR	6.99Y	116.5	0.00	8.50	2.78	2	19	5	97	0.00	0.0	11.127	0.024	19	5	2	2 L
L PL.56313	PL.43580	A	#4 ACSR	6.99Y	116.5	0.00	8.50	2.40	2	16	4	97	0.00	0.0	11.148	0.045	6	2	1	3 L
L PL.56314	PL.56313	A	#4 ACSR	6.99Y	116.5	0.00	8.50	1.47	1	10	3	96	0.00	0.0	11.246	0.098	8	2	1	2 L
L PL.56315	PL.56314	A	#4 ACSR	6.99Y	116.5	0.00	8.51	0.34	0	2	1	89	0.00	0.0	11.328	0.081	2	1	1	1 L
L PL.63191	PL.44521	A	#1/0 ACSR	7.01Y	116.8	0.00	8.17	2.73	1	19	5	97	0.00	0.0	10.425	0.004	0	0	0	1 L
L PD.9469	PL.63191	A	10T	7.01Y	116.8	0.00	8.17	2.73	0	19	5	97	0.00	0.0	10.425	0.004	0	0	0	1 L
L PL.63192	PD.9469	A	#1/0 ACSR	7.01Y	116.8	0.00	8.17	2.73	1	19	5	97	0.00	0.0	10.515	0.089	19	5	1	1 L
L PL.43801	PL.59870	A	#4 ACSR	7.03Y	117.2	0.01	7.79	3.60	3	24	7	96	0.00	0.0	10.173	0.092	8	2	1	3 L
L PL.44515	PL.43801	A	#4 ACSR	7.03Y	117.2	0.00	7.79	0.22	0	2	0	100	0.00	0.0	10.255	0.082	0	0	0	1 L
L PL.43283	PL.44515	A	#4 ACSR	7.03Y	117.2	0.00	7.79	0.00	0	0	0	100	0.00	0.0	10.313	0.058	0	0	0	0 L
L PL.44516	PL.44515	A	#4 ACSR	7.03Y	117.2	0.00	7.79	0.22	0	2	0	100	0.00	0.0	10.319	0.063	2	0	1	1 L
L PL.44517	PL.44516	A	#4 ACSR	7.03Y	117.2	0.00	7.79	0.00	0	0	0	100	0.00	0.0	10.364	0.045	0	0	0	0 L
L PL.44331	PL.43801	A	#4 ACSR	7.03Y	117.2	0.00	7.79	2.15	2	15	4	97	0.00	0.0	10.220	0.047	15	4	1	1 L
L PL.43087	PL.43578	A	#4 ACSR	7.07Y	117.8	0.00	7.21	1.02	1	7	2	96	0.00	0.0	9.814	0.137	7	2	1	1 L
L PL.43282	PL.43577	A	#4 ACSR	7.07Y	117.9	0.00	7.09	0.00	0	0	0	100	0.00	0.0	9.662	0.065	0	0	0	0 L
PL.63212	PL.63214	A	#4 ACSR	7.10Y	118.3	0.00	6.70	1.02	1	7	2	96	0.00	0.0	9.394	0.062	7	2	1	1
PL.56312	PL.62712	A	#1/0 ACSR	7.11Y	118.6	0.00	6.42	2.06	1	14	4	96	0.00	0.0	9.199	0.048	14	4	1	1
PL.44270	PL.44513	A	6 A (CWC)	7.14Y	119.0	0.00	6.02	0.00	0	0	0	100	0.00	0.0	9.018	0.088	0	0	0	0
CP.79	PL.52690	ABC	Cap (300)	7.15Y	119.2	0.00	5.79	0.00	0	0	0	100	0.00	0.0	8.801	0.088	0	0	0	0
PL.44503	PL.44502	A	#4 ACSR	7.17Y	119.5	0.00	5.54	1.53	1	11	3	96	0.00	0.0	8.637	0.006	0	0	0	1
PD.6952	PL.44503	A	60QA	7.17Y	119.5	0.00	5.54	1.53	3	11	3	96	0.00	0.0	8.637	0.006	0	0	0	1
PL.44504	PD.6952	A	#4 ACSR	7.17Y	119.5	0.00	5.54	1.53	1	11	3	96	0.00	0.0	8.683	0.046	11	3	1	1

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Balanced Voltage Drop Report
Source: Maplesville

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.44500	PL.44354	A	6 A (CWC)	7.18Y	119.6	0.00	5.38	0.68	0	5	1	98	0.00	0.0	8.529	0.006	0	0	0	1
PD.6846	PL.44500	A	60QA	7.18Y	119.6	0.00	5.38	0.68	1	5	1	98	0.00	0.0	8.529	0.006	0	0	0	1
PL.44501	PD.6846	A	6 A (CWC)	7.18Y	119.6	0.00	5.38	0.68	0	5	1	98	0.00	0.0	8.627	0.097	5	1	1	1
PL.44107	PL.44122	C	6 A (CWC)	7.20Y	120.1	0.00	4.92	3.37	2	23	6	97	0.00	0.0	8.223	0.006	0	0	0	3
PD.6848	PL.44107	C	60QA	7.20Y	120.1	0.00	4.92	3.37	6	23	6	97	0.00	0.0	8.223	0.006	0	0	0	3
PL.44108	PD.6848	C	6 A (CWC)	7.20Y	120.1	0.01	4.93	3.37	2	23	6	97	0.00	0.0	8.324	0.101	19	5	1	3
PL.44109	PL.44108	C	6 A (CWC)	7.20Y	120.1	0.02	4.95	0.65	0	5	1	98	0.00	0.0	8.893	0.569	0	0	0	2
PL.43597	PL.44109	C	6 A (CWC)	7.20Y	120.1	0.00	4.95	0.00	0	0	0	100	0.00	0.0	8.960	0.067	0	0	0	0
PL.44110	PL.44109	C	6 A (CWC)	7.20Y	120.0	0.01	4.96	0.65	0	5	1	98	0.00	0.0	9.243	0.350	0	0	0	2
PL.44111	PL.44110	C	6 A (CWC)	7.20Y	120.0	0.01	4.97	0.65	0	5	1	98	0.00	0.0	9.436	0.193	0	0	1	2
PL.44112	PL.44111	C	6 A (CWC)	7.20Y	120.0	0.00	4.97	0.59	0	4	1	97	0.00	0.0	9.506	0.070	4	1	1	1
PL.42963	PL.44122	A	6 A (CWC)	7.20Y	120.1	0.00	4.92	0.00	0	0	0	100	0.00	0.0	8.223	0.006	0	0	0	0
PD.6847	PL.42963	A	60QA	7.20Y	120.1	0.00	4.92	0.00	0	0	0	100	0.00	0.0	8.223	0.006	0	0	0	0
PL.42964	PD.6847	A	6 A (CWC)	7.20Y	120.1	0.00	4.92	0.00	0	0	0	100	0.00	0.0	8.270	0.047	0	0	0	0
PL.43993	PL.43991	A	6 A (CWC)	7.26Y	121.1	0.00	3.95	0.51	0	4	1	97	0.00	0.0	7.525	0.006	0	0	0	1
PD.6953	PL.43993	A	60QA	7.26Y	121.1	0.00	3.95	0.51	1	4	1	97	0.00	0.0	7.525	0.006	0	0	0	1
PL.43994	PD.6953	A	6 A (CWC)	7.26Y	121.0	0.00	3.95	0.51	0	4	1	97	0.00	0.0	7.577	0.052	4	1	1	1
PL.43429	PL.43428	A	6 A (CWC)	7.27Y	121.2	0.00	3.80	2.37	2	17	4	97	0.00	0.0	7.389	0.006	0	0	0	3
PD.6850	PL.43429	A	60QA	7.27Y	121.2	0.00	3.80	2.37	4	17	4	97	0.00	0.0	7.389	0.006	0	0	0	3
PL.43995	PD.6850	A	6 A (CWC)	7.27Y	121.2	0.03	3.82	2.37	2	17	4	97	0.00	0.0	7.658	0.270	5	1	1	3
PL.43392	PL.43995	A	6 A (CWC)	7.27Y	121.2	0.00	3.83	1.71	1	12	3	97	0.00	0.0	7.744	0.086	12	3	1	2
PL.43393	PL.43392	A	6 A (CWC)	7.27Y	121.2	0.00	3.83	0.00	0	0	0	100	0.00	0.0	8.038	0.294	0	0	0	1
PL.43394	PL.43393	A	6 A (CWC)	7.27Y	121.2	0.00	3.83	0.00	0	0	0	100	0.00	0.0	8.072	0.034	0	0	1	1
PL.44413	PL.44412	A	6 A (CWC)	7.34Y	122.4	0.00	2.64	2.29	2	16	4	97	0.00	0.0	6.465	0.006	0	0	0	1
PD.6881	PL.44413	A	60QA	7.34Y	122.4	0.00	2.64	2.29	4	16	4	97	0.00	0.0	6.465	0.006	0	0	0	1
PL.44414	PD.6881	A	6 A (CWC)	7.34Y	122.4	0.00	2.65	2.29	2	16	4	97	0.00	0.0	6.484	0.018	16	4	1	1
PL.44199	PL.44403	A	#2 ACSR	7.42Y	123.6	0.00	1.41	0.00	0	0	0	100	0.00	0.0	5.605	0.034	0	0	0	0
PL.43552	PL.44396	B	#1/0 ACSR	7.42Y	123.7	0.00	1.32	0.41	0	3	1	95	0.00	0.0	5.529	0.018	3	1	2	2
PL.44399	PL.44396	A	#2 ACSR	7.42Y	123.7	0.00	1.32	0.94	1	7	2	96	0.00	0.0	5.517	0.006	0	0	0	1
PD.6854	PL.44399	A	60QA	7.42Y	123.7	0.00	1.32	0.94	2	7	2	96	0.00	0.0	5.517	0.006	0	0	0	1
PL.44400	PD.6854	A	#2 ACSR	7.42Y	123.7	0.00	1.33	0.94	1	7	2	96	0.00	0.0	5.666	0.149	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.44401	PL.44400	A	#2 ACSR	7.42Y	123.7	0.00	1.33	0.94	1	7	2	96	0.00	0.0	5.672	0.006	0	0	0	1
PD.6853	PL.44401	A	50QA	7.42Y	123.7	0.00	1.33	0.94	2	7	2	96	0.00	0.0	5.672	0.006	0	0	0	1
PL.44402	PD.6853	A	1/0 AL URD	7.42Y	123.7	0.00	1.33	0.94	1	7	2	96	0.00	0.0	5.705	0.033	7	2	1	1
PL.44397	PL.44395	A	#1/0 ACSR	7.45Y	124.1	0.00	0.90	0.00	0	0	0	100	0.00	0.0	5.218	0.006	0	0	0	0
PD.6949	PL.44397	A	20QA	7.45Y	124.1	0.00	0.90	0.00	0	0	0	100	0.00	0.0	5.218	0.006	0	0	0	0
PL.44398	PD.6949	A	#1/0 ACSR	7.45Y	124.1	0.00	0.90	0.00	0	0	0	100	0.00	0.0	5.246	0.028	0	0	0	0
PL.72541	PL.72538	A	#1/0 ACSR	7.46Y	124.3	0.00	0.66	0.00	0	0	0	100	0.00	0.0	5.043	0.003	0	0	0	0
PD.10799	PL.72541	A	25T	7.46Y	124.3	0.00	0.66	0.00	0	0	0	100	0.00	0.0	5.043	0.003	0	0	0	0
PL.72542	PD.10799	A	#1/0 ACSR	7.46Y	124.3	0.00	0.66	0.00	0	0	0	100	0.00	0.0	5.115	0.073	0	0	0	0
PL.44198	PL.72538	A	#4 ACSR	7.46Y	124.3	0.00	0.66	0.00	0	0	0	100	0.00	0.0	5.106	0.067	0	0	0	0
L PL.41950	PL.42947	A	#4 ACSR	7.01Y	116.8	0.00	8.25	0.77	1	5	1	98	0.00	0.0	4.418	0.006	0	0	0	1 L
L PD.6927	PL.41950	A	60QA	7.01Y	116.8	0.00	8.25	0.77	1	5	1	98	0.00	0.0	4.418	0.006	0	0	0	1 L
L PL.41951	PD.6927	A	#4 ACSR	7.00Y	116.7	0.00	8.25	0.77	1	5	1	98	0.00	0.0	4.519	0.101	5	1	1	1 L
L PL.44381	PL.59608	C	#2 ACSR	7.06Y	117.7	0.00	7.25	1.41	1	10	3	96	0.00	0.0	3.806	0.006	0	0	0	2 L
L PD.6910	PL.44381	C	50QA	7.06Y	117.7	0.00	7.25	1.41	3	10	3	96	0.00	0.0	3.806	0.006	0	0	0	2 L
L PL.44382	PD.6910	C	#2 ACSR	7.06Y	117.7	0.00	7.25	1.41	1	10	3	96	0.00	0.0	3.897	0.091	10	3	2	2 L
L PL.44379	PL.44378	C	#2 ACSR	7.07Y	117.9	0.00	7.10	2.54	1	17	5	96	0.00	0.0	3.714	0.006	0	0	0	1 L
L PD.6887	PL.44379	C	60QA	7.07Y	117.9	0.00	7.10	2.54	4	17	5	96	0.00	0.0	3.714	0.006	0	0	0	1 L
L PL.44380	PD.6887	C	#2 ACSR	7.07Y	117.9	0.00	7.10	2.54	1	17	5	96	0.00	0.0	3.749	0.035	17	5	1	1 L
PL.43084	PL.43781	A	6 A (CWC)	7.12Y	118.6	0.00	6.36	0.00	0	0	0	100	0.00	0.0	3.282	0.006	0	0	0	0
PD.6916	PL.43084	A	60QA	7.12Y	118.6	0.00	6.36	0.00	0	0	0	100	0.00	0.0	3.282	0.006	0	0	0	0
PL.43085	PD.6916	A	6 A (CWC)	7.12Y	118.6	0.00	6.36	0.00	0	0	0	100	0.00	0.0	3.348	0.066	0	0	0	0
PL.43798	PL.43780	C	6 A (CWC)	7.17Y	119.5	0.00	5.50	0.00	0	0	0	100	0.00	0.0	2.827	0.051	0	0	0	0
PL.44367	PL.44365	A	6 A (CWC)	7.22Y	120.3	0.00	4.75	2.72	2	19	5	97	0.00	0.0	2.343	0.006	0	0	0	2
PD.6888	PL.44367	A	60QA	7.22Y	120.3	0.00	4.75	2.72	5	19	5	97	0.00	0.0	2.343	0.006	0	0	0	2
PL.44368	PD.6888	A	6 A (CWC)	7.21Y	120.2	0.01	4.75	2.72	2	19	5	97	0.00	0.0	2.425	0.082	11	3	1	2
PL.44369	PL.44368	A	6 A (CWC)	7.21Y	120.2	0.00	4.76	1.18	1	8	2	97	0.00	0.0	2.469	0.044	0	0	0	1
PL.44175	PL.44369	A	6 A (CWC)	7.21Y	120.2	0.00	4.76	0.00	0	0	0	100	0.00	0.0	2.528	0.058	0	0	0	0
PL.44370	PL.44369	A	6 A (CWC)	7.21Y	120.2	0.01	4.76	1.18	1	8	2	97	0.00	0.0	2.763	0.293	8	2	1	1
PL.44366	PL.59461	B	#2 ACSR	7.22Y	120.4	0.00	4.59	1.49	1	10	3	96	0.00	0.0	2.256	0.006	0	0	0	1
PD.6879	PL.44366	B	50QA	7.22Y	120.4	0.00	4.59	1.49	3	10	3	96	0.00	0.0	2.256	0.006	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: Maplesville

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.52589	PD.6879	B	#2 ACSR	7.22Y	120.4	0.00	4.59	1.49	1	10	3	96	0.00	0.0	2.276	0.020	0	0	0	1
PL.52590	PL.52589	B	#2 ACSR	7.22Y	120.4	0.00	4.60	1.49	1	10	3	96	0.00	0.0	2.347	0.071	10	3	1	1
PL.59465	PL.59463	A	#1/0 ACSR	7.26Y	120.9	0.00	4.07	1.36	1	9	3	95	0.00	0.0	2.017	0.066	0	0	0	1
PL.59467	PL.59465	A	#1/0 ACSR	7.26Y	120.9	0.00	4.07	1.36	1	9	3	95	0.00	0.0	2.043	0.026	9	3	1	1
PL.59466	PL.59465	A	#1/0 ACSR	7.26Y	120.9	0.00	4.07	0.00	0	0	0	100	0.00	0.0	2.059	0.042	0	0	0	0
PL.44304	PL.44302	A	#4 ACSR	7.30Y	121.7	0.00	3.29	2.46	2	17	5	96	0.00	0.0	1.521	0.006	0	0	0	1
PD.6968	PL.44304	A	60QA	7.30Y	121.7	0.00	3.29	2.46	4	17	5	96	0.00	0.0	1.521	0.006	0	0	0	1
PL.43304	PD.6968	A	#4 ACSR	7.30Y	121.7	0.00	3.29	2.46	2	17	5	96	0.00	0.0	1.589	0.068	17	5	1	1
PL.43302	PL.59790	C	#1/0 ACSR	7.32Y	122.0	0.00	2.96	5.29	2	37	10	97	0.00	0.0	1.343	0.006	0	0	0	4
PD.6724	PL.43302	C	60QA	7.32Y	122.0	0.00	2.96	5.29	9	37	10	97	0.00	0.0	1.343	0.006	0	0	0	4
PL.43303	PD.6724	C	#1/0 ACSR	7.32Y	122.0	0.01	2.97	5.29	2	37	10	97	0.00	0.0	1.418	0.075	0	0	0	4
PL.44123	PL.43303	C	#2 ACSR	7.32Y	122.0	0.00	2.97	2.46	1	17	5	96	0.00	0.0	1.536	0.118	17	5	1	1
PL.62901	PL.43303	C	#1/0 ACSR	7.32Y	122.0	0.00	2.97	2.83	1	20	5	97	0.00	0.0	1.473	0.055	0	0	0	3
PL.62902	PL.62901	C	#1/0 ACSR	7.32Y	122.0	0.00	2.97	2.83	1	20	5	97	0.00	0.0	1.544	0.072	0	0	0	3
PL.62903	PL.62902	C	#1/0 ACSR	7.32Y	122.0	0.00	2.98	1.66	1	12	3	97	0.00	0.0	1.585	0.041	12	3	1	1
PL.62904	PL.62902	C	#1/0 ACSR	7.32Y	122.0	0.00	2.97	1.17	1	8	2	97	0.00	0.0	1.548	0.004	0	0	0	2
PD.8383	PL.62904	C	20QA	7.32Y	122.0	0.00	2.97	1.17	6	8	2	97	0.00	0.0	1.548	0.004	0	0	0	2
PL.62900	PD.8383	C	#1/0 ACSR	7.32Y	122.0	0.00	2.98	1.17	1	8	2	97	0.00	0.0	1.587	0.039	8	2	2	2
PL.59791	PL.59789	B	#3/0 ACSR	7.33Y	122.2	0.00	2.79	1.51	1	11	3	96	0.00	0.0	1.254	0.003	0	0	0	2
PD.8828	PL.59791	B	15T	7.33Y	122.2	0.00	2.79	1.51	0	11	3	96	0.00	0.0	1.254	0.003	0	0	0	2
PL.59889	PD.8828	B	#3/0 ACSR	7.33Y	122.2	0.00	2.79	1.51	1	11	3	96	0.00	0.0	1.289	0.035	11	3	2	2
PL.43982	PL.43660	ABC	#1/0 ACSR	7.33Y	122.2	0.05	2.77	22.12	10	470	129	96	0.15	0.0	1.327	0.114	0	0	0	75
PL.44335	PL.43982	ABC	#1/0 ACSR	7.33Y	122.2	0.00	2.77	22.12	10	469	129	96	0.01	0.0	1.333	0.006	0	0	0	75
PD.6829	PL.44335	ABC	70L	7.33Y	122.2	0.00	2.77	22.12	32	469	129	96	0.00	0.0	1.333	0.006	0	0	0	75
PL.44341	PD.6829	ABC	#1/0 ACSR	7.33Y	122.1	0.09	2.86	22.12	10	469	129	96	0.29	0.1	1.556	0.223	0	0	0	75
PL.44351	PL.44341	C	#4 ACSR	7.33Y	122.1	0.00	2.86	0.00	0	0	0	100	0.00	0.0	1.562	0.006	0	0	0	0
PD.6889	PL.44351	C	40QA	7.33Y	122.1	0.00	2.86	0.00	0	0	0	100	0.00	0.0	1.562	0.006	0	0	0	0
PL.44352	PD.6889	C	#4 ACSR	7.33Y	122.1	0.00	2.86	0.00	0	0	0	100	0.00	0.0	1.675	0.112	0	0	0	0
PL.44353	PL.44341	ABC	#1/0 ACSR	7.33Y	122.1	0.02	2.88	22.12	10	469	128	96	0.07	0.0	1.608	0.051	0	0	0	75
PL.43666	PL.44353	ABC	#1/0 ACSR	7.32Y	122.0	0.11	2.99	22.12	10	469	128	96	0.36	0.1	1.883	0.275	0	0	0	75
PL.43671	PL.43666	ABC	#1/0 ACSR	7.31Y	121.8	0.21	3.20	21.85	10	463	127	96	0.69	0.1	2.422	0.540	0	0	0	74

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Balanced Voltage Drop Report
Source: Maplesville

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.51874	PL.43671	ABC	#1/0 ACSR	7.29Y	121.6	0.22	3.42	21.85	10	462	126	96	0.70	0.2	2.971	0.549	0	0	0	74
PL.51876	PL.51874	ABC	#1/0 ACSR	7.29Y	121.6	0.01	3.43	21.85	10	461	125	97	0.04	0.0	3.005	0.034	0	0	0	74
PL.51877	PL.51876	C	#1/0 ACSR	7.29Y	121.6	0.00	3.43	14.89	6	105	28	97	0.00	0.0	3.008	0.003	0	0	0	12
PD.7941	PL.51877	C	30QA	7.29Y	121.6	0.00	3.43	14.89	50	105	28	97	0.00	0.0	3.008	0.003	0	0	0	12
PL.51878	PD.7941	C	#1/0 ACSR	7.29Y	121.6	0.00	3.44	14.89	6	105	28	97	0.00	0.0	3.019	0.011	0	0	0	12
PL.51879	PL.51878	C	6 A (CWC)	7.29Y	121.5	0.08	3.51	14.89	11	105	28	97	0.06	0.1	3.131	0.112	0	0	0	12
PL.51872	PL.51879	C	#4 ACSR	7.29Y	121.5	0.00	3.52	1.74	1	12	3	97	0.00	0.0	3.235	0.104	12	3	1	1
PL.51873	PL.51879	C	6 A (CWC)	7.29Y	121.4	0.07	3.58	13.15	9	93	25	97	0.04	0.0	3.252	0.121	17	4	1	11
PL.43511	PL.51873	C	6 A (CWC)	7.28Y	121.3	0.08	3.66	10.77	8	76	20	97	0.05	0.1	3.424	0.172	0	0	0	10
PL.43512	PL.43511	C	6 A (CWC)	7.28Y	121.3	0.02	3.68	10.77	8	76	20	97	0.01	0.0	3.468	0.045	14	4	1	10
PL.64708	PL.43512	C	6 A (CWC)	7.28Y	121.3	0.02	3.70	8.80	6	62	17	96	0.01	0.0	3.521	0.053	0	0	0	9
PL.64709	PL.64708	C	6 A (CWC)	7.28Y	121.3	0.01	3.71	8.46	6	59	16	97	0.00	0.0	3.547	0.026	4	1	1	8
PL.43807	PL.64709	C	6 A (CWC)	7.27Y	121.2	0.08	3.79	7.87	6	55	15	96	0.03	0.1	3.757	0.210	0	0	0	7
PL.44356	PL.43807	C	6 A (CWC)	7.27Y	121.2	0.05	3.84	6.48	5	46	12	97	0.02	0.0	3.941	0.184	0	0	0	6
PL.59890	PL.44356	C	#2 ACSR	7.27Y	121.1	0.01	3.85	5.95	3	42	11	97	0.00	0.0	3.993	0.052	14	4	1	5
PL.59891	PL.59890	C	#2 ACSR	7.27Y	121.1	0.01	3.86	3.89	2	27	7	97	0.00	0.0	4.058	0.065	0	0	0	4
PL.57825	PL.59891	C	#2 ACSR	7.27Y	121.1	0.00	3.86	0.62	0	4	1	97	0.00	0.0	4.143	0.085	0	0	0	1
PL.57826	PL.57825	C	#2 ACSR	7.27Y	121.1	0.00	3.86	0.62	0	4	1	97	0.00	0.0	4.432	0.289	4	1	1	1
PL.58005	PL.59891	C	#1/0 ACSR	7.27Y	121.1	0.00	3.86	3.27	1	23	6	97	0.00	0.0	4.062	0.004	0	0	0	3
PD.8397	PL.58005	C	20QA	7.27Y	121.1	0.00	3.86	3.27	16	23	6	97	0.00	0.0	4.062	0.004	0	0	0	3
PL.58006	PD.8397	C	#1/0 ACSR	7.27Y	121.1	0.00	3.86	3.27	1	23	6	97	0.00	0.0	4.099	0.038	23	6	3	3
PL.44357	PL.44356	C	6 A (CWC)	7.27Y	121.2	0.00	3.84	0.53	0	4	1	97	0.00	0.0	4.008	0.066	4	1	1	1
PL.44311	PL.43807	C	6 A (CWC)	7.27Y	121.2	0.01	3.80	1.39	1	10	3	96	0.00	0.0	3.866	0.108	0	0	0	1
PL.44312	PL.44311	C	6 A (CWC)	7.27Y	121.2	0.00	3.80	1.39	1	10	3	96	0.00	0.0	3.969	0.103	10	3	1	1
PL.64710	PL.64708	C	#1/0 ACSR	7.28Y	121.3	0.00	3.70	0.34	0	2	1	89	0.00	0.0	3.578	0.057	2	1	1	1
PL.51953	PL.51876	ABC	#1/0 ACSR	7.29Y	121.5	0.03	3.46	16.89	7	357	97	97	0.07	0.0	3.094	0.089	0	0	0	62
PL.51954	PL.51953	ABC	#1/0 ACSR	7.29Y	121.5	0.02	3.48	16.89	7	357	97	97	0.04	0.0	3.153	0.059	0	0	0	62
PL.51955	PL.51954	ABC	#1/0 ACSR	7.29Y	121.5	0.05	3.52	12.81	6	270	74	96	0.09	0.0	3.364	0.211	0	0	0	44
PL.51952	PL.51955	ABC	#1/0 ACSR	7.29Y	121.4	0.04	3.57	12.81	6	270	74	96	0.08	0.0	3.543	0.179	0	0	0	44
PL.51882	PL.51952	ABC	#1/0 ACSR	7.29Y	121.4	0.02	3.58	12.81	6	270	74	96	0.03	0.0	3.618	0.076	7	2	2	44
PL.43847	PL.51882	ABC	#1/0 ACSR	7.28Y	121.4	0.01	3.59	12.47	5	263	72	96	0.02	0.0	3.659	0.040	0	0	0	42

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Balanced Voltage Drop Report
Source: Maplesville

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.43300	PL.43847	B	#2 ACSR	7.28Y	121.4	0.00	3.59	1.59	1	11	3	96	0.00	0.0	3.664	0.006	0	0	0	3
PD.6917	PL.43300	B	40QA	7.28Y	121.4	0.00	3.59	1.59	4	11	3	96	0.00	0.0	3.664	0.006	0	0	0	3
PL.43301	PD.6917	B	#2 ACSR	7.28Y	121.4	0.00	3.59	1.59	1	11	3	96	0.00	0.0	3.756	0.092	11	3	3	3
PL.51884	PL.43847	ABC	#1/0 ACSR	7.28Y	121.4	0.04	3.63	11.94	5	252	69	96	0.07	0.0	3.831	0.172	0	0	0	39
PL.51885	PL.51884	C	6 A (CWC)	7.28Y	121.4	0.00	3.63	35.81	26	252	69	96	0.01	0.0	3.834	0.003	0	0	0	39
PD.7943	PL.51885	C	30T	7.28Y	121.4	0.00	3.63	35.81	0	252	69	96	0.00	0.0	3.834	0.003	0	0	0	39
PL.59322	PD.7943	C	6 A (CWC)	7.27Y	121.1	0.26	3.89	35.81	26	252	69	96	0.49	0.2	3.990	0.157	0	0	0	39
PL.59320	PL.59322	C	6 A (CWC)	7.25Y	120.8	0.28	4.17	34.44	25	242	66	96	0.52	0.2	4.171	0.181	0	0	0	38
PL.43802	PL.59320	C	#2 ACSR	7.25Y	120.8	0.01	4.19	2.43	1	17	5	96	0.00	0.0	4.336	0.165	1	0	1	3
PL.44173	PL.43802	C	#1/0 ACSR	7.25Y	120.8	0.00	4.19	0.41	0	3	1	95	0.00	0.0	4.430	0.094	3	1	1	1
PL.43803	PL.43802	C	#2 ACSR	7.25Y	120.8	0.01	4.20	1.86	1	13	3	97	0.00	0.0	4.803	0.466	13	3	1	1
PL.43584	PL.59320	C	6 A (CWC)	7.23Y	120.5	0.32	4.49	32.01	23	224	61	96	0.54	0.2	4.388	0.217	0	0	0	35
PL.43585	PL.43584	C	6 A (CWC)	7.23Y	120.5	0.02	4.51	2.68	2	19	5	97	0.00	0.0	4.554	0.166	0	0	1	4
PL.43586	PL.43585	C	6 A (CWC)	7.23Y	120.5	0.01	4.52	2.68	2	19	5	97	0.00	0.0	4.627	0.073	2	0	1	3
PL.41971	PL.43586	C	6 A (CWC)	7.23Y	120.5	0.01	4.53	2.45	2	17	5	96	0.00	0.0	4.742	0.115	9	2	1	2
PL.41972	PL.41971	C	6 A (CWC)	7.23Y	120.5	0.00	4.53	1.16	1	8	2	97	0.00	0.0	4.893	0.151	8	2	1	1
PL.63903	PL.43584	C	6 A (CWC)	7.23Y	120.5	0.05	4.54	29.33	21	205	55	97	0.08	0.0	4.429	0.041	10	3	1	31
PL.63897	PL.63903	C	6 A (CWC)	7.20Y	120.1	0.38	4.92	27.94	20	195	53	96	0.56	0.3	4.723	0.294	0	0	0	30
PL.63898	PL.63897	C	#4 ACSR	7.20Y	120.0	0.11	5.03	26.69	21	186	50	97	0.16	0.1	4.815	0.093	0	0	0	29
PL.63901	PL.63898	C	#4 ACSR	7.19Y	119.8	0.20	5.23	23.70	18	165	44	97	0.26	0.2	5.007	0.192	0	0	0	28
PL.44024	PL.63901	C	6 A (CWC)	7.19Y	119.8	0.00	5.23	0.00	0	0	0	100	0.00	0.0	5.013	0.006	0	0	0	0
PL.41975	PL.63901	C	6 A (CWC)	7.19Y	119.8	0.01	5.24	23.70	17	164	44	97	0.01	0.0	5.013	0.006	0	0	0	28
PD.6936	PL.41975	C	40QA	7.19Y	119.8	0.00	5.24	23.70	59	164	44	97	0.00	0.0	5.013	0.006	0	0	0	28
PL.41976	PD.6936	C	6 A (CWC)	7.17Y	119.6	0.19	5.43	23.70	17	164	44	97	0.24	0.1	5.193	0.181	4	1	1	28
PL.44026	PL.41976	C	6 A (CWC)	7.16Y	119.4	0.21	5.64	23.13	17	160	43	97	0.26	0.2	5.391	0.198	0	0	0	27
PL.41977	PL.44026	C	6 A (CWC)	7.15Y	119.2	0.14	5.78	20.76	15	144	39	97	0.16	0.1	5.542	0.151	0	0	1	26
PL.41978	PL.41977	C	6 A (CWC)	7.15Y	119.1	0.07	5.85	20.76	15	143	39	96	0.08	0.1	5.617	0.074	0	0	0	25
PL.43567	PL.41978	C	6 A (CWC)	7.15Y	119.1	0.00	5.85	0.00	0	0	0	100	0.00	0.0	5.772	0.155	0	0	0	0
PL.43431	PL.41978	C	6 A (CWC)	7.15Y	119.1	0.00	5.86	1.24	1	9	2	98	0.00	0.0	5.666	0.049	9	2	3	3
PL.44537	PL.41978	C	6 A (CWC)	7.15Y	119.1	0.05	5.91	19.52	14	135	36	97	0.05	0.0	5.674	0.058	3	1	1	22
PL.44538	PL.44537	C	6 A (CWC)	7.14Y	119.1	0.04	5.94	19.09	14	132	35	97	0.04	0.0	5.718	0.044	0	0	0	21

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Balanced Voltage Drop Report
Source: Maplesville

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.44539	PL.44538	C	6 A (CWC)	7.14Y	119.0	0.07	6.02	10.36	7	71	19	97	0.04	0.1	5.876	0.158	0	0	0	9
PL.44542	PL.44539	C	6 A (CWC)	7.14Y	118.9	0.04	6.06	5.72	4	39	11	96	0.01	0.0	6.043	0.167	0	0	0	5
PL.44543	PL.44542	C	6 A (CWC)	7.14Y	118.9	0.02	6.08	5.72	4	39	11	96	0.01	0.0	6.137	0.095	11	3	1	5
PL.44544	PL.44543	C	6 A (CWC)	7.13Y	118.9	0.02	6.10	4.13	3	28	8	96	0.00	0.0	6.280	0.143	13	3	1	4
PL.44545	PL.44544	C	6 A (CWC)	7.13Y	118.9	0.00	6.11	2.24	2	15	4	97	0.00	0.0	6.338	0.059	7	2	1	2
PL.44310	PL.44545	C	6 A (CWC)	7.13Y	118.9	0.00	6.11	1.18	1	8	2	97	0.00	0.0	6.408	0.069	8	2	1	1
PL.44176	PL.44544	C	#4 ACSR	7.13Y	118.9	0.00	6.10	0.01	0	0	0	100	0.00	0.0	6.366	0.086	0	0	1	1
PL.44540	PL.44539	C	#4 ACSR	7.14Y	119.0	0.02	6.04	4.64	4	32	9	96	0.01	0.0	5.988	0.112	4	1	1	4
PL.52198	PL.44540	C	#4 ACSR	7.14Y	119.0	0.00	6.04	4.06	3	28	8	96	0.00	0.0	6.004	0.016	13	4	1	3
PL.52199	PL.52198	C	#4 ACSR	7.14Y	119.0	0.00	6.04	2.13	2	15	4	97	0.00	0.0	6.004	0.001	0	0	0	2
PL.52197	PL.52199	C	#2 ACSR	7.14Y	119.0	0.00	6.05	2.13	1	15	4	97	0.00	0.0	6.048	0.044	1	0	1	2
PL.44541	PL.52197	C	#2 ACSR	7.14Y	119.0	0.00	6.05	1.97	1	14	4	96	0.00	0.0	6.090	0.042	14	4	1	1
PL.44546	PL.44538	C	6 A (CWC)	7.14Y	119.0	0.07	6.01	8.72	6	60	16	97	0.03	0.1	5.896	0.179	0	0	0	12
PL.44547	PL.44546	C	6 A (CWC)	7.14Y	119.0	0.01	6.03	2.26	2	16	4	97	0.00	0.0	6.092	0.195	12	3	2	4
PL.44548	PL.44547	C	6 A (CWC)	7.14Y	119.0	0.00	6.03	0.53	0	4	1	97	0.00	0.0	6.251	0.159	4	1	2	2
PL.44549	PL.44546	C	6 A (CWC)	7.14Y	118.9	0.05	6.07	6.46	5	45	12	97	0.02	0.0	6.102	0.206	13	3	3	8
PL.44550	PL.44549	C	6 A (CWC)	7.14Y	118.9	0.01	6.08	4.65	3	32	9	96	0.00	0.0	6.158	0.055	7	2	1	5
PL.44551	PL.44550	C	6 A (CWC)	7.13Y	118.9	0.01	6.09	3.59	3	25	7	96	0.00	0.0	6.232	0.075	2	0	1	4
PL.52192	PL.44551	C	6 A (CWC)	7.13Y	118.9	0.01	6.10	3.37	2	23	6	97	0.00	0.0	6.298	0.065	10	3	1	3
PL.52194	PL.52192	C	6 A (CWC)	7.13Y	118.9	0.01	6.11	1.97	1	14	4	96	0.00	0.0	6.438	0.140	0	0	0	2
PL.52195	PL.52194	C	6 A (CWC)	7.13Y	118.9	0.01	6.12	1.49	1	10	3	96	0.00	0.0	6.626	0.188	0	0	0	1
PL.52193	PL.52195	C	6 A (CWC)	7.13Y	118.9	0.00	6.13	1.49	1	10	3	96	0.00	0.0	6.681	0.055	0	0	0	1
PL.44552	PL.52193	C	6 A (CWC)	7.13Y	118.9	0.00	6.13	0.00	0	0	0	100	0.00	0.0	6.844	0.163	0	0	0	0
PL.44553	PL.44552	C	6 A (CWC)	7.13Y	118.9	0.00	6.13	0.00	0	0	0	100	0.00	0.0	6.951	0.107	0	0	0	0
PL.44554	PL.44553	C	6 A (CWC)	7.13Y	118.9	0.00	6.13	0.00	0	0	0	100	0.00	0.0	7.322	0.371	0	0	0	0
PL.44339	PL.44554	C	6 A (CWC)	7.13Y	118.9	0.00	6.13	0.00	0	0	0	100	0.00	0.0	7.475	0.153	0	0	0	0
PL.42956	PL.52193	C	6 A (CWC)	7.13Y	118.9	0.00	6.13	1.49	1	10	3	96	0.00	0.0	6.744	0.063	10	3	1	1
PL.52196	PL.52194	C	#2 ACSR	7.13Y	118.9	0.00	6.11	0.48	0	3	1	95	0.00	0.0	6.526	0.088	3	1	1	1
PL.43430	PL.44026	C	#2 ACSR	7.16Y	119.4	0.01	5.65	2.37	1	16	4	97	0.00	0.0	5.472	0.081	0	0	0	1
PL.43086	PL.43430	C	1/0 AL URD	7.16Y	119.4	0.00	5.65	2.37	1	16	4	97	0.00	0.0	5.539	0.066	16	4	1	1
PL.63900	PL.63898	C	#4 ACSR	7.20Y	120.0	0.01	5.04	2.99	2	21	6	96	0.00	0.0	4.924	0.108	21	6	1	1

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Balanced Voltage Drop Report
Source: Maplesville

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.63899	PL.63897	C	6 A (CWC)	7.20Y	120.1	0.01	4.93	1.24	1	9	2	98	0.00	0.0	4.813	0.090	0	0	0	1
PD.9496	PL.63899	C	10T	7.20Y	120.1	0.00	4.93	1.24	0	9	2	98	0.00	0.0	4.813	0.090	0	0	0	1
PL.63902	PD.9496	C	6 A (CWC)	7.20Y	120.1	0.01	4.93	1.24	1	9	2	98	0.00	0.0	5.019	0.206	9	2	1	1
PL.59321	PL.59322	C	#4 ACSR	7.27Y	121.1	0.00	3.89	1.37	1	10	3	96	0.00	0.0	3.996	0.006	0	0	0	1
PD.6966	PL.59321	C	40QA	7.27Y	121.1	0.00	3.89	1.37	3	10	3	96	0.00	0.0	3.996	0.006	0	0	0	1
PL.44336	PD.6966	C	#4 ACSR	7.27Y	121.1	0.00	3.89	1.37	1	10	3	96	0.00	0.0	4.155	0.160	10	3	1	1
PL.51883	PL.51884	A	6 A (CWC)	7.28Y	121.4	0.00	3.63	0.00	0	0	0	100	0.00	0.0	3.837	0.006	0	0	0	0
PL.51956	PL.51954	A	#1/0 ACSR	7.29Y	121.5	0.00	3.48	12.24	5	86	23	97	0.00	0.0	3.155	0.003	0	0	0	18
PD.7942	PL.51956	A	30QA	7.29Y	121.5	0.00	3.48	12.24	41	86	23	97	0.00	0.0	3.155	0.003	0	0	0	18
PL.51960	PD.7942	A	#1/0 ACSR	7.29Y	121.5	0.03	3.51	12.24	5	86	23	97	0.02	0.0	3.265	0.110	0	0	0	18
PL.51738	PL.51960	A	6 A (CWC)	7.29Y	121.5	0.00	3.51	1.29	1	9	2	98	0.00	0.0	3.396	0.131	9	2	2	2
PL.51739	PL.51960	A	6 A (CWC)	7.28Y	121.4	0.11	3.61	9.97	7	70	19	97	0.06	0.1	3.501	0.236	0	0	0	15
PL.51736	PL.51739	A	6 A (CWC)	7.28Y	121.4	0.00	3.61	0.00	0	0	0	100	0.00	0.0	3.645	0.145	0	0	0	0
PL.51737	PL.51739	A	6 A (CWC)	7.28Y	121.3	0.05	3.66	9.97	7	70	19	97	0.03	0.0	3.607	0.107	0	0	0	15
PL.51881	PL.51737	A	6 A (CWC)	7.28Y	121.3	0.05	3.71	9.97	7	70	19	97	0.02	0.0	3.710	0.103	2	1	1	15
PL.44294	PL.51881	A	6 A (CWC)	7.27Y	121.2	0.05	3.76	9.62	7	68	18	97	0.02	0.0	3.819	0.108	0	0	0	14
PL.44295	PL.44294	A	#4 ACSR	7.27Y	121.2	0.00	3.76	2.51	2	18	5	96	0.00	0.0	3.855	0.036	4	1	1	5
PL.44296	PL.44295	A	#4 ACSR	7.27Y	121.2	0.00	3.76	2.00	2	14	4	96	0.00	0.0	3.892	0.038	2	1	1	4
PL.44101	PL.44296	A	#4 ACSR	7.27Y	121.2	0.00	3.77	1.67	1	12	3	97	0.00	0.0	3.945	0.052	0	0	0	3
PL.44102	PL.44101	A	#4 ACSR	7.27Y	121.2	0.01	3.78	1.27	1	9	2	98	0.00	0.0	4.156	0.211	0	0	0	1
PL.44103	PL.44102	A	#4 ACSR	7.27Y	121.2	0.00	3.78	1.27	1	9	2	98	0.00	0.0	4.189	0.033	9	2	1	1
PL.42978	PL.44102	A	#1/0 ACSR	7.27Y	121.2	0.00	3.78	0.00	0	0	0	100	0.00	0.0	4.277	0.121	0	0	0	0
PL.43017	PL.44101	A	#1/0 ACSR	7.27Y	121.2	0.00	3.77	0.39	0	3	1	95	0.00	0.0	3.980	0.036	3	1	2	2
PL.44104	PL.44294	A	#4 ACSR	7.27Y	121.2	0.01	3.77	7.11	5	50	13	97	0.00	0.0	3.850	0.031	16	4	1	9
PL.44105	PL.44104	A	#4 ACSR	7.27Y	121.2	0.01	3.78	4.87	4	34	9	97	0.00	0.0	3.908	0.058	1	0	1	8
PL.44106	PL.44105	A	#4 ACSR	7.27Y	121.2	0.00	3.78	4.72	4	33	9	96	0.00	0.0	3.922	0.015	0	0	0	7
PL.63160	PL.44106	A	#2 ACSR	7.27Y	121.2	0.00	3.78	0.87	0	6	2	95	0.00	0.0	3.976	0.054	6	2	1	2
PL.63161	PL.63160	A	#2 ACSR	7.27Y	121.2	0.00	3.78	0.01	0	0	0	100	0.00	0.0	4.019	0.043	0	0	1	1
PL.43672	PL.44106	A	#4 ACSR	7.27Y	121.2	0.01	3.79	3.85	3	27	7	97	0.00	0.0	4.006	0.084	3	1	1	5
PL.43673	PL.43672	A	#4 ACSR	7.27Y	121.2	0.02	3.81	3.46	3	24	7	96	0.00	0.0	4.132	0.126	0	0	0	4
PL.43674	PL.43673	A	#4 ACSR	7.27Y	121.2	0.00	3.82	3.46	3	24	7	96	0.00	0.0	4.167	0.035	4	1	1	4

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Balanced Voltage Drop Report
Source: Maplesville

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.43675	PL.43674	A	#4 ACSR	7.27Y	121.2	0.00	3.82	2.28	2	16	4	97	0.00	0.0	4.255	0.088	16	4	2	2
PL.43975	PL.43674	A	#2 ACSR	7.27Y	121.2	0.00	3.82	0.68	0	5	1	98	0.00	0.0	4.274	0.107	5	1	1	1
PL.51880	PL.51737	A	#4 ACSR	7.28Y	121.3	0.00	3.66	0.00	0	0	0	100	0.00	0.0	3.648	0.040	0	0	0	0
PL.51740	PL.51960	A	6 A (CWC)	7.29Y	121.5	0.00	3.51	0.98	1	7	2	96	0.00	0.0	3.328	0.063	7	2	1	1
PL.51875	PL.51874	A	#1/0 ACSR	7.29Y	121.6	0.00	3.42	0.00	0	0	0	100	0.00	0.0	2.974	0.002	0	0	0	0
PD.7940	PL.51875	A	10QA	7.29Y	121.6	0.00	3.42	0.00	0	0	0	100	0.00	0.0	2.974	0.002	0	0	0	0
PL.51950	PD.7940	A	#1/0 ACSR	7.29Y	121.6	0.00	3.42	0.00	0	0	0	100	0.00	0.0	3.067	0.093	0	0	0	0
PL.51951	PL.51950	A	#1/0 ACSR	7.29Y	121.6	0.00	3.42	0.00	0	0	0	100	0.00	0.0	3.117	0.050	0	0	0	0
PL.43508	PL.43671	B	6 A (CWC)	7.31Y	121.8	0.00	3.20	0.00	0	0	0	100	0.00	0.0	2.428	0.006	0	0	0	0
PD.6893	PL.43508	B	40QA	7.31Y	121.8	0.00	3.20	0.00	0	0	0	100	0.00	0.0	2.428	0.006	0	0	0	0
PL.43509	PD.6893	B	6 A (CWC)	7.31Y	121.8	0.00	3.20	0.00	0	0	0	100	0.00	0.0	2.482	0.054	0	0	0	0
PL.43510	PL.43509	B	6 A (CWC)	7.31Y	121.8	0.00	3.20	0.00	0	0	0	100	0.00	0.0	2.775	0.293	0	0	0	0
PL.43667	PL.43666	B	#4 ACSR	7.32Y	122.0	0.00	2.99	0.82	1	6	1	99	0.00	0.0	1.888	0.006	0	0	0	1
PD.6967	PL.43667	B	40QA	7.32Y	122.0	0.00	2.99	0.82	2	6	1	99	0.00	0.0	1.888	0.006	0	0	0	1
PL.43668	PD.6967	B	#4 ACSR	7.32Y	122.0	0.00	2.99	0.82	1	6	1	99	0.00	0.0	1.971	0.083	0	0	0	1
PL.59819	PL.43668	B	1/0 AL URD	7.32Y	122.0	0.00	2.99	0.82	0	6	1	99	0.00	0.0	2.036	0.065	6	2	1	1
PL.43669	PL.43668	B	#4 ACSR	7.32Y	122.0	0.00	2.99	0.00	0	0	0	100	0.00	0.0	2.179	0.208	0	0	0	0
PL.43670	PL.43669	B	#4 ACSR	7.32Y	122.0	0.00	2.99	0.00	0	0	0	100	0.00	0.0	2.349	0.170	0	0	0	0
PL.43020	PL.43669	B	#4 ACSR	7.32Y	122.0	0.00	2.99	0.00	0	0	0	100	0.00	0.0	2.221	0.043	0	0	0	0
PL.44333	PL.44332	C	#4 ACSR	7.39Y	123.2	0.00	1.77	1.11	1	8	2	97	0.00	0.0	0.785	0.006	0	0	0	1
PD.6954	PL.44333	C	60QA	7.39Y	123.2	0.00	1.77	1.11	2	8	2	97	0.00	0.0	0.785	0.006	0	0	0	1
PL.44334	PD.6954	C	#4 ACSR	7.39Y	123.2	0.00	1.78	1.11	1	8	2	97	0.00	0.0	0.843	0.058	0	0	0	1
PL.63200	PL.44334	C	#1/0 ACSR	7.39Y	123.2	0.00	1.78	1.11	0	8	2	97	0.00	0.0	0.873	0.030	0	0	0	1
PL.63220	PL.63200	C	#1/0 ACSR	7.39Y	123.2	0.00	1.78	1.11	0	8	2	97	0.00	0.0	0.940	0.067	8	2	1	1
PL.43494	PL.43496	C	#2 ACSR	7.42Y	123.7	0.00	1.32	1.07	1	8	2	97	0.00	0.0	0.581	0.006	0	0	0	1
PD.6723	PL.43494	C	60QA	7.42Y	123.7	0.00	1.32	1.07	2	8	2	97	0.00	0.0	0.581	0.006	0	0	0	1
PL.43495	PD.6723	C	#2 ACSR	7.42Y	123.7	0.00	1.32	1.07	1	8	2	97	0.00	0.0	0.621	0.040	8	2	1	1
PL.43686	PL.43685	A	6 A (CWC)	7.43Y	123.9	0.00	1.13	1.83	1	13	4	96	0.00	0.0	0.499	0.006	0	0	0	2
PD.6891	PL.43686	A	60QA	7.43Y	123.9	0.00	1.13	1.83	3	13	4	96	0.00	0.0	0.499	0.006	0	0	0	2
PL.43687	PD.6891	A	6 A (CWC)	7.43Y	123.9	0.01	1.14	1.83	1	13	4	96	0.00	0.0	0.568	0.069	0	0	0	2
PL.43493	PL.43687	A	6 A (CWC)	7.43Y	123.9	0.00	1.14	0.41	0	3	1	95	0.00	0.0	0.576	0.008	3	1	1	1

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

Balanced Voltage Drop Report
Source: Maplesville

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.43076	PL.43687	A	#2 ACSR	7.43Y	123.9	0.00	1.14	1.42	1	10	3	96	0.00	0.0	0.629	0.061	10	3	1	1
PL.42001	PL.44330	C	6 A (CWC)	7.48Y	124.7	0.01	0.33	2.98	2	22	6	96	0.00	0.0	0.185	0.048	0	0	0	3
PL.43808	PL.42001	C	#3/0 ACSR	7.48Y	124.7	0.00	0.33	0.00	0	0	0	100	0.00	0.0	0.191	0.006	0	0	0	0
PD.6727	PL.43808	C	60QA	7.48Y	124.7	0.00	0.33	0.00	0	0	0	100	0.00	0.0	0.191	0.006	0	0	0	0
PL.43810	PD.6727	C	#3/0 ACSR	7.48Y	124.7	0.00	0.33	0.00	0	0	0	100	0.00	0.0	0.473	0.282	0	0	0	0
PL.44155	PL.43810	C	#4 ACSR	7.48Y	124.7	0.00	0.33	0.00	0	0	0	100	0.00	0.0	0.741	0.268	0	0	0	0
PL.43811	PL.43810	C	#3/0 ACSR	7.48Y	124.7	0.00	0.33	0.00	0	0	0	100	0.00	0.0	0.634	0.161	0	0	0	0
PL.43809	PL.42001	C	6 A (CWC)	7.48Y	124.7	0.00	0.33	2.98	2	22	6	96	0.00	0.0	0.191	0.006	0	0	0	3
PD.6857	PL.43809	C	25T	7.48Y	124.7	0.00	0.33	2.98	0	22	6	96	0.00	0.0	0.191	0.006	0	0	0	3
PL.43812	PD.6857	C	6 A (CWC)	7.48Y	124.7	0.01	0.34	2.98	2	22	6	96	0.00	0.0	0.272	0.081	0	0	0	3
PL.43664	PL.43812	C	6 A (CWC)	7.48Y	124.7	0.00	0.34	1.59	1	11	3	96	0.00	0.0	0.312	0.040	1	0	1	2
PL.43665	PL.43664	C	6 A (CWC)	7.48Y	124.7	0.00	0.34	1.42	1	10	3	96	0.00	0.0	0.404	0.093	10	3	1	1
PL.43432	PL.43812	C	6 A (CWC)	7.48Y	124.7	0.00	0.34	1.39	1	10	3	96	0.00	0.0	0.328	0.056	10	3	1	1
PL.52999	Maplesville	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	210.16	40	4498	1457	95	0.08	0.0	0.002	0.002	0	0	0	592
PL.53001	PL.52999	ABC	336 MCM AC	7.50Y	125.0	0.01	0.01	210.16	40	4498	1457	95	0.12	0.0	0.005	0.003	0	0	0	592
----- Feeder No. 2 (Johnson Rd F2) Beginning with Device PD.8060 -----																				
PD.8060	PL.53001	ABC	480VWE	7.50Y	125.0	0.00	0.01	210.16	0	4498	1457	95	0.00	0.0	0.005	0.003	0	0	0	592
PL.44164	PD.8060	ABC	336 MCM AC	7.49Y	124.9	0.13	0.14	210.16	40	4498	1457	95	3.02	0.1	0.087	0.081	0	0	0	592
PL.44135	PL.44164	ABC	336 MCM AC	7.45Y	124.2	0.66	0.80	208.49	40	4459	1440	95	14.81	0.3	0.491	0.405	0	0	0	588
PL.44136	PL.44135	ABC	336 MCM AC	7.45Y	124.1	0.11	0.90	208.49	40	4444	1405	95	2.39	0.1	0.556	0.065	0	0	0	588
PL.44035	PL.44136	ABC	336 MCM AC	7.43Y	123.8	0.29	1.19	200.39	39	4267	1352	95	6.24	0.1	0.741	0.184	0	0	0	567
PL.44036	PL.44035	A	#2 ACSR	7.43Y	123.8	0.00	1.19	2.44	1	18	5	96	0.00	0.0	0.765	0.024	0	0	0	3
PL.44037	PL.44036	A	#2 ACSR	7.43Y	123.8	0.00	1.19	2.44	1	18	5	96	0.00	0.0	0.789	0.024	12	3	2	3
PL.44038	PL.44037	A	#2 ACSR	7.43Y	123.8	0.00	1.19	0.74	0	5	1	98	0.00	0.0	0.823	0.034	5	1	1	1
PL.44039	PL.44035	ABC	336 MCM AC	7.41Y	123.5	0.31	1.50	199.57	38	4243	1333	95	6.74	0.2	0.942	0.201	0	0	0	564
PL.44219	PL.44039	C	#2 ACSR	7.41Y	123.5	0.00	1.50	3.08	2	22	6	96	0.00	0.0	0.974	0.032	22	6	1	1
PL.44040	PL.44039	ABC	336 MCM AC	7.39Y	123.2	0.29	1.79	198.55	38	4214	1312	95	6.31	0.1	1.132	0.190	0	0	0	563
PL.59145	PL.44040	A	#2 ACSR	7.39Y	123.2	0.00	1.79	3.61	2	26	7	97	0.00	0.0	1.135	0.004	0	0	0	1
PD.8889	PL.59145	A	20T	7.39Y	123.2	0.00	1.79	3.61	0	26	7	97	0.00	0.0	1.135	0.004	0	0	0	1

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Balanced Voltage Drop Report
Source: Maplesville

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.59146	PD.8889	A	#2 ACSR	7.39Y	123.2	0.00	1.79	3.61	2	26	7	97	0.00	0.0	1.175	0.040	26	7	1	1
PL.44433	PL.44040	ABC	336 MCM AC	7.38Y	123.0	0.20	1.99	197.34	38	4182	1290	96	4.26	0.1	1.262	0.130	0	0	0	562
PL.44098	PL.44433	ABC	336 MCM AC	7.37Y	122.8	0.19	2.18	184.35	36	3900	1204	96	3.84	0.1	1.396	0.134	0	0	0	524
PL.44143	PL.44098	ABC	336 MCM AC	7.37Y	122.8	0.05	2.23	184.35	36	3897	1195	96	1.09	0.0	1.434	0.038	15	4	1	524
PL.44144	PL.44143	ABC	336 MCM AC	7.36Y	122.7	0.06	2.30	183.43	35	3876	1187	96	1.27	0.0	1.479	0.045	0	0	0	522
PL.44147	PL.44144	ABC	336 MCM AC	7.36Y	122.6	0.06	2.35	183.43	35	3874	1184	96	1.13	0.0	1.519	0.040	0	0	0	522
PL.44148	PL.44147	ABC	336 MCM AC	7.34Y	122.4	0.28	2.64	182.53	35	3854	1176	96	5.71	0.1	1.722	0.204	1	0	1	519
PL.44307	PL.44148	ABC	336 MCM AC	7.34Y	122.3	0.07	2.71	182.47	35	3847	1163	96	1.40	0.0	1.772	0.050	0	0	0	518
PL.59805	PL.44307	ABC	336 MCM AC	7.33Y	122.2	0.11	2.82	182.47	35	3846	1159	96	2.26	0.1	1.853	0.081	0	0	0	518
PL.59806	PL.59805	ABC	336 MCM AC	7.33Y	122.1	0.08	2.89	181.59	35	3825	1149	96	1.53	0.0	1.908	0.055	12	3	2	516
PL.44149	PL.59806	ABC	336 MCM AC	7.32Y	122.1	0.04	2.93	181.03	35	3811	1142	96	0.78	0.0	1.937	0.028	11	3	1	514
PL.44150	PL.44149	ABC	336 MCM AC	7.32Y	122.0	0.09	3.02	180.50	35	3799	1137	96	1.75	0.0	2.000	0.064	0	0	0	513
PL.59014	PL.44150	A	#2 ACSR	7.32Y	122.0	0.00	3.02	5.22	3	37	10	97	0.00	0.0	2.001	0.000	0	0	0	4
PD.8664	PL.59014	A	25T	7.32Y	122.0	0.00	3.02	5.22	0	37	10	97	0.00	0.0	2.001	0.000	0	0	0	4
PL.64389	PD.8664	A	#2 ACSR	7.32Y	122.0	0.00	3.02	5.22	3	37	10	97	0.00	0.0	2.001	0.001	0	0	0	4
PL.64388	PL.64389	A	#2 ACSR	7.32Y	122.0	0.00	3.02	1.05	1	7	2	96	0.00	0.0	2.069	0.068	7	2	1	1
PL.64387	PL.64389	A	6 A (CWC)	7.32Y	122.0	0.02	3.04	4.17	3	29	8	96	0.00	0.0	2.105	0.103	0	0	0	3
PL.64384	PL.64387	A	6 A (CWC)	7.32Y	122.0	0.01	3.05	2.48	2	18	5	96	0.00	0.0	2.199	0.095	18	5	2	2
PL.64385	PL.64387	A	6 A (CWC)	7.32Y	122.0	0.00	3.04	0.00	0	0	0	100	0.00	0.0	2.136	0.032	0	0	0	0
PL.64386	PL.64387	A	6 A (CWC)	7.32Y	122.0	0.00	3.04	1.69	1	12	3	97	0.00	0.0	2.105	0.000	12	3	1	1
PL.64383	PL.64386	A	6 A (CWC)	7.32Y	122.0	0.00	3.04	0.00	0	0	0	100	0.00	0.0	2.238	0.134	0	0	0	0
PL.42980	PL.64383	A	6 A (CWC)	7.32Y	122.0	0.00	3.04	0.00	0	0	0	100	0.00	0.0	2.259	0.021	0	0	0	0
PL.44263	PL.64383	A	#4 ACSR	7.32Y	122.0	0.00	3.04	0.00	0	0	0	100	0.00	0.0	2.284	0.045	0	0	0	0
PL.44305	PL.44150	ABC	336 MCM AC	7.31Y	121.8	0.14	3.16	178.76	34	3761	1123	96	2.84	0.1	2.106	0.106	7	2	1	509
PL.44306	PL.44305	ABC	336 MCM AC	7.31Y	121.8	0.06	3.23	178.40	34	3750	1115	96	1.22	0.0	2.152	0.046	19	5	1	508
PL.59684	PL.44306	ABC	336 MCM AC	7.30Y	121.7	0.05	3.27	177.52	34	3730	1107	96	0.94	0.0	2.187	0.035	11	3	1	507
PL.59685	PL.59684	ABC	336 MCM AC	7.30Y	121.6	0.08	3.35	177.01	34	3719	1102	96	1.52	0.0	2.245	0.058	0	0	0	506
PL.52076	PL.59685	A	#1/0 ACSR	7.30Y	121.6	0.00	3.35	3.81	2	27	7	97	0.00	0.0	2.288	0.043	0	0	0	2
PD.8007	PL.52076	A	40QA	7.30Y	121.6	0.00	3.35	3.81	10	27	7	97	0.00	0.0	2.288	0.043	0	0	0	2
PL.52077	PD.8007	A	#1/0 ACSR	7.30Y	121.6	0.01	3.37	3.81	2	27	7	97	0.00	0.0	2.447	0.158	0	0	0	2
PL.52074	PL.52077	A	6 A (CWC)	7.30Y	121.6	0.01	3.38	3.81	3	27	7	97	0.00	0.0	2.617	0.171	27	7	2	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.52075	PL.59685	ABC	336 MCM AC	7.29Y	121.6	0.10	3.45	175.74	34	3690	1091	96	1.93	0.1	2.319	0.074	0	0	0	504
PL.43092	PL.52075	ABC	336 MCM AC	7.29Y	121.4	0.13	3.58	175.74	34	3688	1086	96	2.57	0.1	2.418	0.099	0	0	0	504
PL.63172	PL.43092	A	#4 ACSR	7.28Y	121.4	0.01	3.59	3.27	3	23	6	97	0.00	0.0	2.501	0.084	0	0	0	2
PL.63173	PL.63172	A	#4 ACSR	7.28Y	121.4	0.00	3.59	0.00	0	0	0	100	0.00	0.0	2.553	0.052	0	0	1	1
PL.63174	PL.63172	A	#4 ACSR	7.28Y	121.4	0.01	3.60	3.27	3	23	6	97	0.00	0.0	2.619	0.117	23	6	1	1
PL.43093	PL.43092	ABC	336 MCM AC	7.28Y	121.3	0.11	3.69	174.65	34	3663	1074	96	2.09	0.1	2.500	0.082	19	5	2	502
PL.43094	PL.43093	ABC	336 MCM AC	7.27Y	121.2	0.13	3.82	173.74	33	3641	1064	96	2.48	0.1	2.597	0.098	0	0	0	500
PL.43589	PL.43094	ABC	#1/0 ACSR	7.23Y	120.5	0.71	4.53	99.53	43	2083	611	96	10.33	0.5	2.993	0.395	24	7	2	311
PL.58461	PL.43589	C	#4 ACSR	7.23Y	120.5	0.00	4.53	1.41	1	10	3	96	0.00	0.0	2.996	0.003	0	0	0	1
PD.8685	PL.58461	C	20T	7.23Y	120.5	0.00	4.53	1.41	0	10	3	96	0.00	0.0	2.996	0.003	0	0	0	1
PL.58462	PD.8685	C	#4 ACSR	7.23Y	120.5	0.00	4.53	1.41	1	10	3	96	0.00	0.0	3.063	0.067	10	3	1	1
PL.44077	PL.58462	C	#4 ACSR	7.23Y	120.5	0.00	4.53	0.00	0	0	0	100	0.00	0.0	3.117	0.055	0	0	0	0
PL.43969	PL.43589	ABC	#1/0 ACSR	7.21Y	120.2	0.30	4.83	97.00	42	2020	587	96	4.26	0.2	3.164	0.172	22	6	2	307
PL.43970	PL.43969	ABC	#1/0 ACSR	7.20Y	120.0	0.20	5.03	95.96	42	1994	577	96	2.77	0.1	3.277	0.113	7	2	1	305
PL.43971	PL.43970	ABC	#1/0 ACSR	7.19Y	119.9	0.11	5.14	95.62	42	1984	573	96	1.55	0.1	3.341	0.063	0	0	0	304
PL.43855	PL.43971	ABC	#1/0 ACSR	7.18Y	119.6	0.28	5.41	94.41	41	1957	564	96	3.88	0.2	3.504	0.163	0	0	0	302
PL.43858	PL.43855	ABC	#1/0 ACSR	7.17Y	119.4	0.14	5.55	93.67	41	1938	556	96	1.93	0.1	3.587	0.083	0	0	0	299
PL.43859	PL.43858	ABC	#1/0 ACSR	7.16Y	119.3	0.13	5.69	93.67	41	1936	555	96	1.80	0.1	3.664	0.077	0	0	0	299
PL.41999	PL.43859	ABC	#3/0 ACSR	7.15Y	119.2	0.07	5.76	86.77	29	1792	511	96	0.81	0.0	3.727	0.064	0	0	0	278
PL.44775	PL.41999	ABC	#3/0 ACSR	7.15Y	119.2	0.01	5.76	86.77	29	1791	510	96	0.07	0.0	3.733	0.006	0	0	0	278
PD.6821	PL.44775	ABC	240VWE	7.15Y	119.2	0.00	5.76	86.77	0	1791	510	96	0.00	0.0	3.733	0.006	0	0	0	278
PL.44776	PD.6821	ABC	#3/0 ACSR	7.15Y	119.1	0.15	5.92	86.77	29	1791	510	96	1.76	0.1	3.873	0.140	9	2	1	278
PL.44777	PL.44776	ABC	#3/0 ACSR	7.14Y	119.0	0.06	5.98	86.36	29	1781	505	96	0.74	0.0	3.932	0.059	2	1	1	277
PL.42957	PL.44777	ABC	#3/0 ACSR	7.14Y	119.0	0.00	5.98	5.98	2	124	33	97	0.00	0.0	3.956	0.024	0	0	0	17
PL.44778	PL.42957	C	6 A (CWC)	7.14Y	119.0	0.00	5.99	17.93	13	124	33	97	0.00	0.0	3.962	0.006	0	0	0	17
PD.6824	PL.44778	C	50L	7.14Y	119.0	0.00	5.99	17.93	36	124	33	97	0.00	0.0	3.962	0.006	0	0	0	17
PL.44779	PD.6824	C	6 A (CWC)	7.14Y	118.9	0.07	6.06	17.93	13	124	33	97	0.07	0.1	4.049	0.087	0	0	0	17
PL.44780	PL.44779	C	6 A (CWC)	7.13Y	118.8	0.11	6.17	17.93	13	124	33	97	0.10	0.1	4.181	0.132	0	0	0	17
PL.44783	PL.44780	C	6 A (CWC)	7.13Y	118.8	0.08	6.25	17.93	13	123	33	97	0.08	0.1	4.278	0.097	0	0	0	17
PL.44784	PL.44783	C	6 A (CWC)	7.12Y	118.7	0.06	6.30	17.54	13	121	33	96	0.05	0.0	4.352	0.074	3	1	1	15
PL.44785	PL.44784	C	6 A (CWC)	7.11Y	118.6	0.12	6.42	17.04	12	117	32	96	0.11	0.1	4.502	0.150	0	0	0	14

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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.44786	PL.44785	C	6 A (CWC)	7.11Y	118.5	0.09	6.51	17.04	12	117	32	96	0.08	0.1	4.614	0.112	0	0	0	14
PL.52079	PL.44786	C	6 A (CWC)	7.11Y	118.4	0.07	6.58	13.99	10	96	26	97	0.05	0.1	4.725	0.111	0	0	0	8
PL.52078	PL.52079	C	6 A (CWC)	7.10Y	118.3	0.09	6.67	13.99	10	96	26	97	0.07	0.1	4.872	0.147	0	0	0	8
PL.52082	PL.52078	C	6 A (CWC)	7.09Y	118.2	0.08	6.76	13.99	10	96	26	97	0.06	0.1	5.002	0.130	0	0	0	8
PL.52081	PL.52082	C	#4 ACSR	7.09Y	118.2	0.00	6.76	0.00	0	0	0	100	0.00	0.0	5.051	0.049	0	0	0	0
PL.52080	PL.52082	C	6 A (CWC)	7.09Y	118.2	0.02	6.77	13.99	10	96	26	97	0.01	0.0	5.027	0.025	0	0	0	8
PL.52581	PL.52080	C	6 A (CWC)	7.09Y	118.2	0.02	6.79	3.30	2	23	6	97	0.00	0.0	5.148	0.120	0	0	0	1
PL.52582	PL.52581	C	6 A (CWC)	7.09Y	118.2	0.01	6.80	3.30	2	23	6	97	0.00	0.0	5.301	0.154	23	6	1	1
PL.52183	PL.52582	C	6 A (CWC)	7.09Y	118.2	0.00	6.80	0.00	0	0	0	100	0.00	0.0	5.393	0.092	0	0	0	0
PL.52083	PL.52080	C	6 A (CWC)	7.09Y	118.2	0.05	6.82	10.70	8	73	20	96	0.03	0.0	5.122	0.094	0	0	0	7
PL.52084	PL.52083	C	6 A (CWC)	7.09Y	118.2	0.01	6.83	8.73	6	60	16	97	0.01	0.0	5.161	0.039	14	4	2	6
PL.44658	PL.52084	C	6 A (CWC)	7.09Y	118.1	0.03	6.86	6.72	5	46	12	97	0.01	0.0	5.263	0.102	0	0	0	4
PL.44659	PL.44658	C	6 A (CWC)	7.09Y	118.1	0.01	6.87	5.69	4	39	10	97	0.00	0.0	5.304	0.041	10	3	1	3
PL.44660	PL.44659	C	6 A (CWC)	7.09Y	118.1	0.01	6.88	4.21	3	29	8	96	0.00	0.0	5.352	0.048	8	2	1	2
PL.44292	PL.44660	C	6 A (CWC)	7.09Y	118.1	0.01	6.89	3.04	2	21	6	96	0.00	0.0	5.531	0.179	21	6	1	1
PL.44200	PL.44658	C	#4 ACSR	7.09Y	118.1	0.00	6.87	1.02	1	7	2	96	0.00	0.0	5.312	0.049	7	2	1	1
PL.64093	PL.52083	C	#1/0 ACSR	7.09Y	118.2	0.00	6.82	1.96	1	13	4	96	0.00	0.0	5.183	0.061	13	4	1	1
PL.44787	PL.44786	C	#4 ACSR	7.11Y	118.5	0.02	6.52	3.05	2	21	6	96	0.00	0.0	4.727	0.113	0	0	1	6
PL.44788	PL.44787	C	#4 ACSR	7.11Y	118.5	0.01	6.54	3.05	2	21	6	96	0.00	0.0	4.818	0.091	0	0	1	5
PL.52840	PL.44788	C	#4 ACSR	7.11Y	118.5	0.00	6.54	2.10	2	14	4	96	0.00	0.0	4.870	0.052	14	4	2	3
PL.52841	PL.52840	C	#4 ACSR	7.11Y	118.5	0.00	6.54	0.01	0	0	0	100	0.00	0.0	4.901	0.031	0	0	0	1
PL.52842	PL.52841	C	#4 ACSR	7.11Y	118.5	0.00	6.54	0.01	0	0	0	100	0.00	0.0	4.956	0.055	0	0	0	1
PL.59896	PL.52842	C	#4 ACSR	7.11Y	118.5	0.00	6.54	0.01	0	0	0	100	0.00	0.0	4.988	0.032	0	0	0	1
PL.59898	PL.59896	C	#1/0 ACSR	7.11Y	118.5	0.00	6.54	0.01	0	0	0	100	0.00	0.0	5.019	0.031	0	0	1	1
PL.59897	PL.59896	C	#4 ACSR	7.11Y	118.5	0.00	6.54	0.00	0	0	0	100	0.00	0.0	5.100	0.112	0	0	0	0
PL.44156	PL.52842	C	#2 ACSR	7.11Y	118.5	0.00	6.54	0.00	0	0	0	100	0.00	0.0	5.002	0.046	0	0	0	0
PL.44256	PL.44788	C	#1/0 ACSR	7.11Y	118.5	0.00	6.54	0.95	0	7	2	96	0.00	0.0	4.953	0.136	7	2	1	1
PL.43799	PL.44787	C	#4 ACSR	7.11Y	118.5	0.00	6.52	0.00	0	0	0	100	0.00	0.0	4.804	0.078	0	0	0	0
PL.44276	PL.44785	C	#4 ACSR	7.11Y	118.6	0.00	6.42	0.00	0	0	0	100	0.00	0.0	4.543	0.041	0	0	0	0
PL.43590	PL.44783	C	6 A (CWC)	7.13Y	118.8	0.00	6.25	0.40	0	3	1	95	0.00	0.0	4.357	0.079	3	1	2	2
PL.43972	PL.44780	C	6 A (CWC)	7.13Y	118.8	0.00	6.17	0.00	0	0	0	100	0.00	0.0	4.246	0.065	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: Maplesville

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.44781	PL.44779	C	#2 ACSR	7.14Y	118.9	0.00	6.06	0.00	0	0	0	100	0.00	0.0	4.099	0.050	0	0	0	0
PL.44782	PL.44781	C	#2 ACSR	7.14Y	118.9	0.00	6.06	0.00	0	0	0	100	0.00	0.0	4.199	0.100	0	0	0	0
PL.44789	PL.44777	ABC	#3/0 ACSR	7.13Y	118.9	0.11	6.09	80.28	27	1654	470	96	1.19	0.1	4.042	0.110	3	1	1	259
PL.44153	PL.44789	ABC	#3/0 ACSR	7.13Y	118.8	0.08	6.17	79.92	27	1646	466	96	0.81	0.0	4.118	0.076	18	5	1	257
PL.44267	PL.44153	A	#1/0 ACSR	7.13Y	118.8	0.00	6.17	0.68	0	5	1	98	0.00	0.0	4.151	0.033	5	1	1	1
PL.62598	PL.44153	ABC	#3/0 ACSR	7.12Y	118.6	0.18	6.35	78.83	26	1622	459	96	1.93	0.1	4.303	0.184	0	0	0	255
PL.62596	PL.62598	ABC	#3/0 ACSR	7.11Y	118.6	0.09	6.44	75.78	25	1558	440	96	0.87	0.1	4.393	0.090	0	0	0	246
PL.44645	PL.62596	C	#4 ACSR	7.11Y	118.6	0.00	6.44	0.09	0	1	0	100	0.00	0.0	4.399	0.006	0	0	0	1
PD.6934	PL.44645	C	40QA	7.11Y	118.6	0.00	6.44	0.09	0	1	0	100	0.00	0.0	4.399	0.006	0	0	0	1
PL.44646	PD.6934	C	#4 ACSR	7.11Y	118.6	0.00	6.44	0.09	0	1	0	100	0.00	0.0	4.416	0.016	1	0	1	1
PL.63159	PL.62596	C	#1/0 ACSR	7.11Y	118.6	0.00	6.45	2.78	1	19	5	97	0.00	0.0	4.548	0.155	19	5	2	2
PL.62600	PL.62596	A	#2 ACSR	7.11Y	118.6	0.00	6.44	4.46	3	31	8	97	0.00	0.0	4.397	0.003	0	0	0	3
PD.9397	PL.62600	A	10T	7.11Y	118.6	0.00	6.44	4.46	0	31	8	97	0.00	0.0	4.397	0.003	0	0	0	3
PL.62601	PD.9397	A	#2 ACSR	7.11Y	118.6	0.00	6.44	4.46	3	31	8	97	0.00	0.0	4.430	0.033	11	3	1	3
PL.44647	PL.62601	A	#2 ACSR	7.11Y	118.6	0.00	6.45	2.88	2	20	5	97	0.00	0.0	4.473	0.044	7	2	1	2
PL.44648	PL.44647	A	#2 ACSR	7.11Y	118.6	0.00	6.45	1.90	1	13	3	97	0.00	0.0	4.505	0.031	13	3	1	1
PL.44644	PL.62596	ABC	#3/0 ACSR	7.11Y	118.5	0.07	6.51	73.34	24	1506	425	96	0.70	0.0	4.471	0.077	0	0	0	240
PL.43553	PL.44644	B	6 A (CWC)	7.11Y	118.5	0.03	6.54	8.93	6	61	16	97	0.02	0.0	4.550	0.079	0	0	0	9
PL.43515	PL.43553	B	6 A (CWC)	7.11Y	118.5	0.00	6.55	8.93	6	61	16	97	0.00	0.0	4.556	0.006	0	0	0	9
PD.6897	PL.43515	B	40QA	7.11Y	118.5	0.00	6.55	8.93	22	61	16	97	0.00	0.0	4.556	0.006	0	0	0	9
PL.63182	PD.6897	B	6 A (CWC)	7.11Y	118.4	0.01	6.55	8.93	6	61	16	97	0.00	0.0	4.582	0.027	33	9	6	9
PL.63184	PL.63182	B	6 A (CWC)	7.11Y	118.4	0.02	6.57	4.14	3	28	8	96	0.00	0.0	4.670	0.088	0	0	0	3
PL.63185	PL.63184	B	6 A (CWC)	7.11Y	118.4	0.00	6.57	1.74	1	12	3	97	0.00	0.0	4.681	0.011	0	0	0	1
PL.63183	PL.63185	B	6 A (CWC)	7.11Y	118.4	0.01	6.58	1.74	1	12	3	97	0.00	0.0	4.831	0.150	12	3	1	1
PL.64378	PL.63184	B	#1/0 ACSR	7.11Y	118.4	0.01	6.58	2.40	1	16	4	97	0.00	0.0	4.761	0.091	0	0	0	2
PL.64379	PL.64378	B	#1/0 ACSR	7.11Y	118.4	0.00	6.58	1.46	1	10	3	96	0.00	0.0	4.802	0.040	10	3	1	1
PL.66139	PL.64378	B	#1/0 ACSR	7.11Y	118.4	0.00	6.58	0.94	0	6	2	95	0.00	0.0	4.859	0.098	0	0	0	1
PL.66140	PL.66139	B	#1/0 ACSR	7.11Y	118.4	0.00	6.58	0.94	0	6	2	95	0.00	0.0	4.859	0.000	6	2	1	1
PL.44184	PL.44644	ABC	#3/0 ACSR	7.10Y	118.3	0.15	6.66	70.23	23	1442	406	96	1.38	0.1	4.638	0.167	7	2	1	230
PL.43411	PL.44184	ABC	#3/0 ACSR	7.09Y	118.2	0.17	6.83	69.82	23	1432	402	96	1.56	0.1	4.829	0.191	7	2	1	228
PL.43412	PL.43411	A	#4 ACSR	7.09Y	118.2	0.00	6.83	1.57	1	11	3	96	0.00	0.0	4.835	0.006	0	0	0	1

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Balanced Voltage Drop Report
Source: Maplesville

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.6865	PL.43412	A	40QA	7.09Y	118.2	0.00	6.83	1.57	4	11	3	96	0.00	0.0	4.835	0.006	0	0	0	1
PL.43516	PD.6865	A	#4 ACSR	7.09Y	118.2	0.00	6.83	1.57	1	11	3	96	0.00	0.0	4.891	0.056	0	0	0	1
PL.43517	PL.43516	A	#4 ACSR	7.09Y	118.2	0.00	6.84	1.57	1	11	3	96	0.00	0.0	4.957	0.066	11	3	1	1
PL.44790	PL.43411	ABC	#3/0 ACSR	7.09Y	118.1	0.04	6.87	68.96	23	1413	395	96	0.36	0.0	4.874	0.045	0	0	1	226
PL.42953	PL.44790	A	#2 ACSR	7.09Y	118.1	0.00	6.87	0.00	0	0	0	100	0.00	0.0	4.898	0.024	0	0	0	0
PL.44791	PL.44790	A	#4 ACSR	7.09Y	118.1	0.00	6.87	1.04	1	7	2	96	0.00	0.0	4.880	0.006	0	0	0	2
PD.6864	PL.44791	A	40QA	7.09Y	118.1	0.00	6.87	1.04	3	7	2	96	0.00	0.0	4.880	0.006	0	0	0	2
PL.44792	PD.6864	A	#4 ACSR	7.09Y	118.1	0.00	6.87	1.04	1	7	2	96	0.00	0.0	5.015	0.135	7	2	2	2
L PL.44793	PL.44790	ABC	#3/0 ACSR	7.08Y	118.0	0.16	7.03	68.61	23	1405	393	96	1.43	0.1	5.056	0.181	0	0	0	223 L
L PL.44795	PL.44793	C	#4 ACSR	7.08Y	118.0	0.00	7.03	1.09	1	7	2	96	0.00	0.0	5.061	0.006	0	0	0	1 L
L PD.6863	PL.44795	C	40QA	7.08Y	118.0	0.00	7.03	1.09	3	7	2	96	0.00	0.0	5.061	0.006	0	0	0	1 L
L PL.44796	PD.6863	C	#4 ACSR	7.08Y	118.0	0.00	7.03	1.09	1	7	2	96	0.00	0.0	5.143	0.081	7	2	1	1 L
L PL.44794	PL.44793	ABC	#3/0 ACSR	7.08Y	117.9	0.03	7.06	68.25	23	1396	389	96	0.30	0.0	5.094	0.039	0	0	0	222 L
L PL.44797	PL.44794	ABC	#3/0 ACSR	7.08Y	117.9	0.00	7.06	68.25	23	1396	388	96	0.04	0.0	5.100	0.006	0	0	0	222 L
RG.46	PL.44797	ABC	76.2 KVA	7.45Y	124.1	-6.21	0.86	68.25	68	1396	388	96	percent Boost= 5.00 Tap= 8.0						222	
PL.44798	RG.46	ABC	#3/0 ACSR	7.45Y	124.1	0.03	0.89	64.84	22	1396	388	96	0.28	0.0	5.140	0.040	9	2	1	222
PL.44799	PL.44798	ABC	#3/0 ACSR	7.44Y	124.1	0.04	0.93	64.41	21	1386	385	96	0.36	0.0	5.192	0.052	13	3	1	221
PL.44800	PL.44799	ABC	#3/0 ACSR	7.44Y	124.0	0.04	0.97	63.82	21	1373	381	96	0.33	0.0	5.240	0.049	18	5	1	220
PL.44801	PL.44800	ABC	#3/0 ACSR	7.44Y	124.0	0.05	1.02	62.98	21	1355	376	96	0.40	0.0	5.301	0.060	7	2	1	219
PL.44804	PL.44801	ABC	#3/0 ACSR	7.44Y	123.9	0.06	1.08	61.99	21	1333	370	96	0.53	0.0	5.383	0.082	0	0	0	217
PL.44269	PL.44804	A	#2 ACSR	7.44Y	123.9	0.00	1.08	0.87	0	6	2	95	0.00	0.0	5.430	0.047	6	2	1	1
PL.44805	PL.44804	ABC	#3/0 ACSR	7.43Y	123.9	0.04	1.12	61.70	21	1326	367	96	0.35	0.0	5.439	0.056	11	3	2	216
PL.64707	PL.44805	ABC	#3/0 ACSR	7.43Y	123.8	0.07	1.19	61.18	20	1315	364	96	0.57	0.0	5.529	0.090	9	2	1	214
PL.44806	PL.64707	ABC	#3/0 ACSR	7.43Y	123.8	0.05	1.24	60.77	20	1305	361	96	0.40	0.0	5.594	0.065	2	1	1	213
PL.44807	PL.44806	A	6 A (CWC)	7.43Y	123.8	0.00	1.24	0.25	0	2	0	100	0.00	0.0	5.600	0.006	0	0	0	1
PD.6971	PL.44807	A	40QA	7.43Y	123.8	0.00	1.24	0.25	1	2	0	100	0.00	0.0	5.600	0.006	0	0	0	1
PL.59871	PD.6971	A	6 A (CWC)	7.43Y	123.8	0.00	1.24	0.25	0	2	0	100	0.00	0.0	5.657	0.057	2	0	1	1
PL.59872	PL.59871	A	6 A (CWC)	7.43Y	123.8	0.00	1.24	0.00	0	0	0	100	0.00	0.0	5.732	0.075	0	0	0	0
PL.52656	PL.44806	ABC	#3/0 ACSR	7.42Y	123.7	0.08	1.33	60.60	20	1301	359	96	0.67	0.1	5.704	0.109	0	0	0	211
PL.52657	PL.52656	ABC	#3/0 ACSR	7.41Y	123.6	0.10	1.43	60.60	20	1301	358	96	0.82	0.1	5.836	0.132	0	0	0	211
PL.44242	PL.52657	ABC	#3/0 ACSR	7.41Y	123.5	0.02	1.45	38.72	13	830	230	96	0.12	0.0	5.884	0.048	0	0	0	124

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Balanced Voltage Drop Report
Source: Maplesville

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.63799	PL.44242	ABC	#3/0 ACSR	7.41Y	123.5	0.05	1.51	38.64	13	828	229	96	0.28	0.0	5.994	0.110	1	0	1	123
PL.63800	PL.63799	ABC	#3/0 ACSR	7.41Y	123.4	0.06	1.57	38.57	13	826	228	96	0.31	0.0	6.119	0.125	0	0	0	122
PL.63801	PL.63800	ABC	#3/0 ACSR	7.40Y	123.4	0.06	1.63	37.86	13	811	224	96	0.33	0.0	6.255	0.136	2	0	1	121
PL.52055	PL.63801	A	6 A (CWC)	7.40Y	123.4	0.00	1.63	1.56	1	11	3	96	0.00	0.0	6.261	0.006	0	0	0	2
PD.6903	PL.52055	A	40QA	7.40Y	123.4	0.00	1.63	1.56	4	11	3	96	0.00	0.0	6.261	0.006	0	0	0	2
PL.44248	PD.6903	A	6 A (CWC)	7.40Y	123.4	0.00	1.63	1.56	1	11	3	96	0.00	0.0	6.304	0.044	0	0	1	2
PL.44249	PL.44248	A	6 A (CWC)	7.40Y	123.4	0.00	1.64	1.56	1	11	3	96	0.00	0.0	6.356	0.051	11	3	1	1
PL.52057	PL.63801	A C	#1/0 ACSR	7.40Y	123.3	0.02	1.65	30.00	13	428	118	96	0.05	0.0	6.285	0.030	0	0	0	56
PL.52060	PL.52057	A C	#1/0 ACSR	7.40Y	123.3	0.06	1.71	30.00	13	428	118	96	0.16	0.0	6.374	0.089	0	0	0	56
PD.8006	PL.52060	A C	70L	7.40Y	123.3	0.00	1.71	30.00	43	428	118	96	0.00	0.0	6.374	0.089	0	0	0	56
PL.52843	PD.8006	A C	#1/0 ACSR	7.40Y	123.3	0.04	1.75	30.00	13	428	118	96	0.11	0.0	6.441	0.066	11	3	1	56
PL.63158	PL.52843	A C	#1/0 ACSR	7.39Y	123.2	0.06	1.80	29.24	13	417	115	96	0.16	0.0	6.533	0.092	0	0	1	55
PL.63157	PL.63158	A C	#1/0 ACSR	7.39Y	123.1	0.08	1.88	29.22	13	416	115	96	0.23	0.1	6.669	0.136	0	0	0	54
PL.52059	PL.63157	C	6 A (CWC)	7.39Y	123.1	0.00	1.88	0.00	0	0	0	100	0.00	0.0	6.675	0.006	0	0	0	0
PD.6925	PL.52059	C	40QA	7.39Y	123.1	0.00	1.88	0.00	0	0	0	100	0.00	0.0	6.675	0.006	0	0	0	0
PL.43599	PD.6925	C	6 A (CWC)	7.39Y	123.1	0.00	1.88	0.00	0	0	0	100	0.00	0.0	6.751	0.076	0	0	0	0
PL.52058	PL.63157	A C	#1/0 ACSR	7.38Y	123.1	0.06	1.94	29.22	13	416	114	96	0.16	0.0	6.767	0.098	0	0	0	54
PL.52061	PL.52058	A C	#1/0 ACSR	7.38Y	123.0	0.04	1.98	28.57	12	407	112	96	0.10	0.0	6.827	0.060	3	1	2	53
PL.52062	PL.52061	A C	#1/0 ACSR	7.38Y	122.9	0.10	2.08	28.35	12	404	111	96	0.26	0.1	6.994	0.167	5	1	1	51
PL.52063	PL.52062	A C	#1/0 ACSR	7.37Y	122.9	0.03	2.10	28.04	12	399	109	96	0.08	0.0	7.043	0.049	0	0	0	50
PL.52819	PL.52063	A C	#1/0 ACSR	7.37Y	122.9	0.04	2.15	28.04	12	399	109	96	0.11	0.0	7.114	0.071	4	1	2	50
PL.52818	PL.52819	A	#1/0 ACSR	7.37Y	122.8	0.02	2.16	5.79	3	41	11	97	0.00	0.0	7.229	0.114	0	0	0	4
PL.52065	PL.52818	A	#1/0 ACSR	7.37Y	122.8	0.01	2.17	4.20	2	30	8	97	0.00	0.0	7.312	0.083	3	1	1	3
PL.52064	PL.52065	A	#1/0 ACSR	7.37Y	122.8	0.01	2.17	3.80	2	27	7	97	0.00	0.0	7.377	0.065	0	0	0	2
PL.42507	PL.52064	A	#4 ACSR	7.37Y	122.8	0.00	2.18	3.80	3	27	7	97	0.00	0.0	7.403	0.026	27	7	2	2
PL.52066	PL.52064	A	#1/0 ACSR	7.37Y	122.8	0.00	2.17	0.00	0	0	0	100	0.00	0.0	7.428	0.051	0	0	0	0
PL.43079	PL.52818	A	#2 ACSR	7.37Y	122.8	0.00	2.16	1.59	1	11	3	96	0.00	0.0	7.254	0.026	11	3	1	1
PL.52821	PL.52819	C	6 A (CWC)	7.33Y	122.1	0.71	2.85	49.71	36	353	97	96	1.85	0.5	7.431	0.317	13	3	1	44
PL.52822	PL.52821	C	6 A (CWC)	7.32Y	122.0	0.12	2.97	47.94	34	339	92	97	0.31	0.1	7.486	0.055	0	0	0	43
PL.52820	PL.52822	C	6 A (CWC)	7.32Y	122.0	0.06	3.03	47.94	34	339	92	97	0.14	0.0	7.511	0.025	0	0	0	43
PL.52817	PL.52820	C	#4 ACSR	7.32Y	122.0	0.00	3.03	0.58	0	4	1	97	0.00	0.0	7.553	0.042	4	1	1	1

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Balanced Voltage Drop Report
Source: Maplesville

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.52221	PL.52820	C	6 A (CWC)	7.31Y	121.9	0.12	3.15	47.36	34	334	91	96	0.30	0.1	7.568	0.057	6	2	1	42
PL.52223	PL.52221	C	6 A (CWC)	7.29Y	121.6	0.28	3.43	46.45	33	328	89	97	0.66	0.2	7.702	0.134	23	6	2	41
PL.52224	PL.52223	C	6 A (CWC)	7.29Y	121.5	0.05	3.48	41.61	30	293	80	96	0.12	0.0	7.731	0.029	0	0	0	38
PL.52222	PL.52224	C	6 A (CWC)	7.29Y	121.4	0.08	3.56	41.61	30	293	80	96	0.17	0.1	7.772	0.041	0	0	1	38
PL.52228	PL.52222	C	6 A (CWC)	7.28Y	121.4	0.08	3.63	41.56	30	292	79	97	0.17	0.1	7.813	0.041	12	3	1	37
PL.52231	PL.52228	C	6 A (CWC)	7.28Y	121.3	0.09	3.72	38.49	27	270	74	96	0.17	0.1	7.863	0.049	7	2	2	35
PL.52232	PL.52231	C	6 A (CWC)	7.27Y	121.2	0.09	3.81	37.48	27	263	72	96	0.18	0.1	7.917	0.054	0	0	0	33
PL.52229	PL.52232	C	6 A (CWC)	7.27Y	121.1	0.09	3.90	37.48	27	263	71	97	0.18	0.1	7.968	0.052	0	0	0	33
PL.44577	PL.52229	C	6 A (CWC)	7.25Y	120.9	0.24	4.14	36.62	26	257	70	96	0.46	0.2	8.110	0.141	0	0	0	31
PL.44579	PL.44577	C	6 A (CWC)	7.24Y	120.7	0.13	4.26	36.62	26	256	69	97	0.25	0.1	8.186	0.076	0	0	0	31
PL.52220	PL.44579	C	6 A (CWC)	7.24Y	120.7	0.01	4.27	2.42	2	17	5	96	0.00	0.0	8.327	0.141	17	5	1	2
PL.52225	PL.52220	C	6 A (CWC)	7.24Y	120.7	0.00	4.27	0.00	0	0	0	100	0.00	0.0	8.367	0.040	0	0	1	1
PL.44580	PL.44579	C	6 A (CWC)	7.23Y	120.5	0.24	4.51	34.20	24	239	65	96	0.43	0.2	8.343	0.158	11	3	1	29
PL.63186	PL.44580	C	6 A (CWC)	7.21Y	120.1	0.39	4.89	32.69	23	228	62	96	0.66	0.3	8.610	0.267	12	3	1	28
PL.63188	PL.63186	C	6 A (CWC)	7.20Y	120.0	0.10	4.99	19.62	14	137	37	97	0.10	0.1	8.720	0.110	0	0	0	15
PL.63187	PL.63188	C	6 A (CWC)	7.20Y	120.0	0.04	5.03	5.46	4	38	10	97	0.01	0.0	8.888	0.168	8	2	1	3
PL.44581	PL.63187	C	6 A (CWC)	7.20Y	120.0	0.02	5.05	4.34	3	30	8	97	0.00	0.0	9.083	0.195	30	8	2	2
PL.63189	PL.63188	C	6 A (CWC)	7.20Y	119.9	0.08	5.08	14.16	10	98	26	97	0.06	0.1	8.850	0.130	0	0	0	12
PL.43433	PL.63189	C	#4 ACSR	7.20Y	119.9	0.00	5.08	0.69	1	5	1	98	0.00	0.0	8.891	0.042	5	1	1	1
PL.44582	PL.63189	C	6 A (CWC)	7.19Y	119.9	0.07	5.14	13.47	10	94	25	97	0.04	0.0	8.985	0.135	40	11	5	11
PL.44220	PL.44582	C	6 A (CWC)	7.19Y	119.8	0.02	5.16	7.70	6	53	14	97	0.01	0.0	9.034	0.049	0	0	0	6
PL.44221	PL.44220	C	6 A (CWC)	7.19Y	119.8	0.00	5.16	1.61	1	11	3	96	0.00	0.0	9.082	0.048	0	0	1	2
PL.44222	PL.44221	C	6 A (CWC)	7.19Y	119.8	0.00	5.16	1.59	1	11	3	96	0.00	0.0	9.124	0.042	11	3	1	1
PL.63201	PL.44220	C	#1/0 ACSR	7.19Y	119.8	0.00	5.16	4.58	2	32	9	96	0.00	0.0	9.086	0.052	13	3	2	3
PL.63202	PL.63201	C	#1/0 ACSR	7.19Y	119.8	0.00	5.16	2.72	1	19	5	97	0.00	0.0	9.089	0.003	0	0	0	1
PD.9467	PL.63202	C	10	7.19Y	119.8	0.00	5.16	2.72	27	19	5	97	0.00	0.0	9.089	0.003	0	0	0	1
PL.63168	PD.9467	C	#1/0 ACSR	7.19Y	119.8	0.00	5.17	2.72	1	19	5	97	0.00	0.0	9.120	0.031	0	0	0	1
PL.63166	PL.63168	C	#1/0 ACSR	7.19Y	119.8	0.01	5.17	2.72	1	19	5	97	0.00	0.0	9.252	0.133	0	0	0	1
PL.63167	PL.63166	C	#1/0 ACSR	7.19Y	119.8	0.00	5.18	2.72	1	19	5	97	0.00	0.0	9.361	0.109	19	5	1	1
PL.43987	PL.44220	C	#2 ACSR	7.19Y	119.8	0.00	5.16	1.52	1	11	3	96	0.00	0.0	9.055	0.021	11	3	1	1
PL.63190	PL.63186	C	6 A (CWC)	7.20Y	120.1	0.02	4.92	11.37	8	79	21	97	0.01	0.0	8.665	0.055	23	6	2	12

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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.44223	PL.63190	C	6 A (CWC)	7.20Y	120.0	0.03	4.95	8.07	6	56	15	97	0.01	0.0	8.757	0.092	2	1	1	10
PL.43814	PL.44223	C	6 A (CWC)	7.20Y	120.0	0.06	5.01	7.76	6	54	15	96	0.03	0.0	8.929	0.172	0	0	0	9
PL.43815	PL.43814	C	6 A (CWC)	7.20Y	120.0	0.03	5.04	6.56	5	46	12	97	0.01	0.0	9.037	0.108	0	0	0	8
PL.43016	PL.43815	C	#4 ACSR	7.20Y	120.0	0.00	5.04	0.00	0	0	0	100	0.00	0.0	9.125	0.088	0	0	0	0
PL.43813	PL.43815	C	6 A (CWC)	7.19Y	119.9	0.05	5.10	6.56	5	46	12	97	0.02	0.0	9.216	0.179	0	0	0	8
PL.62488	PL.43813	C	6 A (CWC)	7.19Y	119.9	0.00	5.10	4.34	3	30	8	97	0.00	0.0	9.219	0.003	0	0	0	5
PD.9355	PL.62488	C	15T	7.19Y	119.9	0.00	5.10	4.34	0	30	8	97	0.00	0.0	9.219	0.003	0	0	0	5
PL.62489	PD.9355	C	6 A (CWC)	7.19Y	119.9	0.03	5.13	4.34	3	30	8	97	0.01	0.0	9.358	0.139	0	0	0	5
PL.44262	PL.62489	C	6 A (CWC)	7.19Y	119.9	0.00	5.13	1.23	1	9	2	98	0.00	0.0	9.410	0.052	9	2	1	1
PL.43816	PL.62489	C	6 A (CWC)	7.19Y	119.8	0.03	5.16	3.10	2	22	6	96	0.01	0.0	9.588	0.230	0	0	0	4
PL.43817	PL.43816	C	6 A (CWC)	7.19Y	119.8	0.01	5.17	1.32	1	9	2	98	0.00	0.0	9.810	0.222	8	2	1	2
PL.43818	PL.43817	C	6 A (CWC)	7.19Y	119.8	0.00	5.17	0.17	0	1	0	100	0.00	0.0	9.941	0.131	1	0	1	1
PL.44154	PL.43816	C	#4 ACSR	7.19Y	119.8	0.00	5.16	1.78	1	12	3	97	0.00	0.0	9.656	0.068	12	3	2	2
PL.43819	PL.43813	C	6 A (CWC)	7.19Y	119.9	0.01	5.11	2.22	2	15	4	97	0.00	0.0	9.313	0.097	0	0	0	3
PL.43820	PL.43819	C	6 A (CWC)	7.19Y	119.9	0.00	5.11	2.22	2	15	4	97	0.00	0.0	9.349	0.036	0	0	0	3
PL.58452	PL.43820	C	6 A (CWC)	7.19Y	119.9	0.00	5.11	2.22	2	15	4	97	0.00	0.0	9.350	0.001	0	0	0	3
PD.8595	PL.58452	C	15T	7.19Y	119.9	0.00	5.11	2.22	0	15	4	97	0.00	0.0	9.350	0.001	0	0	0	3
PL.58453	PD.8595	C	6 A (CWC)	7.19Y	119.9	0.01	5.12	2.22	2	15	4	97	0.00	0.0	9.426	0.076	0	0	0	3
PL.43823	PL.58453	C	6 A (CWC)	7.19Y	119.9	0.01	5.13	0.85	1	6	2	95	0.00	0.0	9.597	0.171	0	0	0	2
PL.43824	PL.43823	C	#4 ACSR	7.19Y	119.9	0.01	5.13	0.85	1	6	2	95	0.00	0.0	9.816	0.218	0	0	0	2
PL.43779	PL.43824	C	6 A (CWC)	7.19Y	119.9	0.00	5.13	0.00	0	0	0	100	0.00	0.0	10.052	0.237	0	0	0	0
PL.44224	PL.43824	C	6 A (CWC)	7.19Y	119.9	0.01	5.14	0.85	1	6	2	95	0.00	0.0	9.973	0.157	0	0	0	2
PL.44225	PL.44224	C	6 A (CWC)	7.19Y	119.9	0.00	5.14	0.85	1	6	2	95	0.00	0.0	10.077	0.105	0	0	0	2
PL.44193	PL.44225	C	6 A (CWC)	7.19Y	119.9	0.00	5.14	0.00	0	0	0	100	0.00	0.0	10.161	0.084	0	0	0	0
PL.44226	PL.44225	C	6 A (CWC)	7.19Y	119.8	0.01	5.15	0.85	1	6	2	95	0.00	0.0	10.270	0.193	0	0	0	2
PL.44227	PL.44226	C	6 A (CWC)	7.19Y	119.8	0.01	5.16	0.85	1	6	2	95	0.00	0.0	10.635	0.365	3	1	1	2
PL.44228	PL.44227	C	6 A (CWC)	7.19Y	119.8	0.00	5.16	0.45	0	3	1	95	0.00	0.0	10.736	0.101	3	1	1	1
PL.43571	PL.43823	C	6 A (CWC)	7.19Y	119.9	0.00	5.13	0.00	0	0	0	100	0.00	0.0	9.694	0.096	0	0	0	0
PL.62471	PL.58453	C	6 A (CWC)	7.19Y	119.9	0.00	5.12	1.37	1	10	3	96	0.00	0.0	9.429	0.003	0	0	0	1
PD.9348	PL.62471	C	10T	7.19Y	119.9	0.00	5.12	1.37	0	10	3	96	0.00	0.0	9.429	0.003	0	0	0	1
PL.62472	PD.9348	C	6 A (CWC)	7.19Y	119.9	0.01	5.13	1.37	1	10	3	96	0.00	0.0	9.519	0.090	0	0	0	1

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.43821	PL.62472	C	6 A (CWC)	7.19Y	119.8	0.06	5.18	1.37	1	10	3	96	0.00	0.0	10.409	0.890	0	0	0	1
PL.44079	PL.43821	C	6 A (CWC)	7.19Y	119.8	0.00	5.18	0.00	0	0	0	100	0.00	0.0	10.632	0.223	0	0	0	0
PL.43822	PL.43821	C	6 A (CWC)	7.19Y	119.8	0.00	5.18	1.37	1	10	3	96	0.00	0.0	10.510	0.101	10	3	1	1
PL.52837	PL.43814	C	#4 ACSR	7.20Y	120.0	0.00	5.01	1.20	1	8	2	97	0.00	0.0	8.961	0.033	0	0	0	1
PL.52838	PL.52837	C	#4 ACSR	7.20Y	120.0	0.00	5.02	1.20	1	8	2	97	0.00	0.0	8.996	0.035	0	0	0	1
PL.52839	PL.52838	C	#4 ACSR	7.20Y	120.0	0.00	5.02	1.20	1	8	2	97	0.00	0.0	9.021	0.025	8	2	1	1
PL.44578	PL.44577	C	6 A (CWC)	7.25Y	120.9	0.00	4.14	0.00	0	0	0	100	0.00	0.0	8.139	0.030	0	0	0	0
PL.44661	PL.52229	C	6 A (CWC)	7.27Y	121.1	0.00	3.90	0.86	1	6	2	95	0.00	0.0	8.041	0.073	6	2	1	2
PL.44576	PL.44661	C	6 A (CWC)	7.27Y	121.1	0.00	3.90	0.00	0	0	0	100	0.00	0.0	8.087	0.046	0	0	1	1
PL.52230	PL.52228	C	#2 ACSR	7.28Y	121.4	0.00	3.64	1.43	1	10	3	96	0.00	0.0	7.857	0.044	0	0	0	1
PL.52219	PL.52230	C	#2 ACSR	7.28Y	121.4	0.00	3.64	1.43	1	10	3	96	0.00	0.0	7.901	0.044	10	3	1	1
PL.59811	PL.52223	C	#1/0 ACSR	7.29Y	121.6	0.00	3.43	1.56	1	11	3	96	0.00	0.0	7.738	0.036	0	0	0	1
PL.59812	PL.59811	C	1/0 AL URD	7.29Y	121.6	0.00	3.43	1.56	1	11	3	96	0.00	0.0	7.778	0.039	11	3	1	1
PL.52825	PL.52058	C	6 A (CWC)	7.38Y	123.1	0.00	1.94	1.31	1	9	2	98	0.00	0.0	6.773	0.006	0	0	0	1
PD.7977	PL.52825	C	40QA	7.38Y	123.1	0.00	1.94	1.31	3	9	2	98	0.00	0.0	6.773	0.006	0	0	0	1
PL.52826	PD.7977	C	6 A (CWC)	7.38Y	123.1	0.00	1.95	1.31	1	9	2	98	0.00	0.0	6.939	0.166	9	2	1	1
PL.52828	PL.52826	C	6 A (CWC)	7.38Y	123.1	0.00	1.95	0.00	0	0	0	100	0.00	0.0	6.969	0.031	0	0	0	0
PL.52827	PL.52828	C	6 A (CWC)	7.38Y	123.1	0.00	1.95	0.00	0	0	0	100	0.00	0.0	7.125	0.155	0	0	0	0
PL.52056	PL.63801	ABC	#3/0 ACSR	7.40Y	123.4	0.01	1.64	17.26	6	370	101	96	0.02	0.0	6.298	0.043	0	0	0	62
PL.44808	PL.52056	ABC	#3/0 ACSR	7.40Y	123.3	0.03	1.67	17.26	6	369	101	96	0.07	0.0	6.437	0.139	0	0	0	62
PL.44809	PL.44808	A	6 A (CWC)	7.40Y	123.3	0.00	1.67	0.97	1	7	2	96	0.00	0.0	6.443	0.006	0	0	0	3
PD.6725	PL.44809	A	40QA	7.40Y	123.3	0.00	1.67	0.97	2	7	2	96	0.00	0.0	6.443	0.006	0	0	0	3
PL.44810	PD.6725	A	6 A (CWC)	7.40Y	123.3	0.00	1.67	0.97	1	7	2	96	0.00	0.0	6.500	0.058	2	1	1	3
PL.44811	PL.44810	A	6 A (CWC)	7.40Y	123.3	0.00	1.67	0.67	0	5	1	98	0.00	0.0	6.540	0.040	5	1	2	2
PL.44812	PL.44808	ABC	#3/0 ACSR	7.40Y	123.3	0.01	1.68	16.93	6	363	99	96	0.03	0.0	6.490	0.053	0	0	0	59
PL.44815	PL.44812	ABC	#3/0 ACSR	7.40Y	123.3	0.02	1.70	16.50	6	353	97	96	0.03	0.0	6.565	0.075	0	0	0	58
PL.44816	PL.44815	ABC	#3/0 ACSR	7.40Y	123.3	0.03	1.73	16.50	6	353	97	96	0.08	0.0	6.732	0.167	7	2	1	58
PL.42508	PL.44816	C	6 A (CWC)	7.39Y	123.2	0.03	1.76	46.66	33	333	91	96	0.07	0.0	6.746	0.014	0	0	0	53
PL.58518	PL.42508	C	6 A (CWC)	7.39Y	123.2	0.01	1.77	46.66	33	333	91	96	0.01	0.0	6.748	0.003	0	0	0	53
C PD.8704	PL.58518	C	50L	7.39Y	123.2	0.00	1.77	46.66	93	333	91	96	0.00	0.0	6.748	0.003	0	0	0	53 C
PL.58519	PD.8704	C	6 A (CWC)	7.36Y	122.7	0.52	2.29	46.66	33	333	91	96	1.30	0.4	6.991	0.242	0	0	0	53

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Balanced Voltage Drop Report
Source: Maplesville

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.58517	PL.58519	C	6 A (CWC)	7.35Y	122.5	0.21	2.50	46.66	33	331	91	96	0.53	0.2	7.091	0.100	0	0	0	53
PL.44261	PL.58517	C	6 A (CWC)	7.35Y	122.5	0.00	2.50	0.83	1	6	2	95	0.00	0.0	7.184	0.093	6	2	2	2
PL.44817	PL.58517	C	6 A (CWC)	7.31Y	121.8	0.72	3.22	45.82	33	325	89	96	1.78	0.5	7.436	0.345	0	0	0	51
PL.44818	PL.44817	C	6 A (CWC)	7.30Y	121.6	0.13	3.35	43.18	31	305	83	96	0.29	0.1	7.501	0.065	12	3	1	49
PL.52068	PL.44818	C	6 A (CWC)	7.29Y	121.5	0.19	3.54	41.45	30	292	79	97	0.42	0.1	7.602	0.101	0	0	0	48
PL.52070	PL.52068	C	#4 ACSR	7.28Y	121.4	0.10	3.65	8.06	6	57	15	97	0.04	0.1	7.891	0.289	0	0	0	6
PL.52071	PL.52070	C	#4 ACSR	7.28Y	121.4	0.00	3.65	1.40	1	10	3	96	0.00	0.0	7.936	0.045	3	1	1	2
PL.52069	PL.52071	C	#4 ACSR	7.28Y	121.3	0.00	3.65	1.01	1	7	2	96	0.00	0.0	8.036	0.100	0	0	0	1
PL.52227	PL.52069	C	#4 ACSR	7.28Y	121.3	0.00	3.65	1.01	1	7	2	96	0.00	0.0	8.100	0.064	7	2	1	1
PL.52226	PL.52227	C	#4 ACSR	7.28Y	121.3	0.00	3.65	0.00	0	0	0	100	0.00	0.0	8.154	0.055	0	0	0	0
PL.53056	PL.52070	C	#1/0 ACSR	7.28Y	121.3	0.05	3.69	6.66	3	47	13	96	0.02	0.0	8.208	0.317	0	0	0	4
PL.53057	PL.53056	C	#1/0 ACSR	7.28Y	121.3	0.00	3.70	6.66	3	47	13	96	0.00	0.0	8.240	0.032	0	0	0	4
PL.52073	PL.53057	C	#1/0 ACSR	7.28Y	121.3	0.01	3.71	6.66	3	47	13	96	0.00	0.0	8.290	0.050	0	0	0	4
PL.43795	PL.52073	C	#2 ACSR	7.28Y	121.3	0.03	3.74	6.66	4	47	13	96	0.01	0.0	8.453	0.163	0	0	0	4
PL.44662	PL.43795	C	6 A (CWC)	7.28Y	121.3	0.01	3.75	2.13	2	15	4	97	0.00	0.0	8.558	0.105	15	4	1	1
PL.52072	PL.44662	C	6 A (CWC)	7.28Y	121.3	0.00	3.75	0.00	0	0	0	100	0.00	0.0	8.612	0.054	0	0	0	0
PL.44196	PL.43795	C	6 A (CWC)	7.28Y	121.3	0.00	3.74	0.00	0	0	0	100	0.00	0.0	8.496	0.043	0	0	0	0
PL.44663	PL.43795	C	#2 ACSR	7.28Y	121.3	0.00	3.74	4.53	3	32	9	96	0.00	0.0	8.479	0.026	0	0	1	3
PL.44664	PL.44663	C	#2 ACSR	7.28Y	121.3	0.00	3.75	2.51	1	18	5	96	0.00	0.0	8.515	0.036	0	0	0	1
PL.44665	PL.44664	C	#2 ACSR	7.28Y	121.3	0.00	3.75	2.51	1	18	5	96	0.00	0.0	8.568	0.053	18	5	1	1
PL.43774	PL.44663	C	#2 ACSR	7.28Y	121.3	0.00	3.75	1.96	1	14	4	96	0.00	0.0	8.506	0.027	14	4	1	1
PL.52067	PL.52068	C	6 A (CWC)	7.28Y	121.3	0.13	3.67	33.38	24	235	64	96	0.23	0.1	7.686	0.084	0	0	2	42
PL.44326	PL.52067	C	6 A (CWC)	7.27Y	121.2	0.14	3.81	33.38	24	235	63	97	0.25	0.1	7.780	0.094	7	2	1	40
PL.44327	PL.44326	C	6 A (CWC)	7.27Y	121.2	0.00	3.81	0.78	1	6	1	99	0.00	0.0	7.843	0.063	0	0	0	1
PL.44328	PL.44327	C	6 A (CWC)	7.27Y	121.2	0.00	3.81	0.78	1	6	1	99	0.00	0.0	7.882	0.039	6	1	1	1
PL.44819	PL.44326	C	6 A (CWC)	7.26Y	121.1	0.12	3.93	31.55	23	221	60	97	0.19	0.1	7.864	0.084	19	5	2	38
PL.44820	PL.44819	C	6 A (CWC)	7.26Y	121.1	0.01	3.94	1.52	1	11	3	96	0.00	0.0	8.022	0.158	2	1	1	2
PL.44821	PL.44820	C	6 A (CWC)	7.26Y	121.1	0.00	3.94	1.17	1	8	2	97	0.00	0.0	8.104	0.082	8	2	1	1
PL.43886	PL.44819	C	6 A (CWC)	7.26Y	120.9	0.15	4.07	25.60	18	180	48	97	0.20	0.1	7.989	0.125	0	0	0	31
PL.52823	PL.43886	C	#2 ACSR	7.26Y	120.9	0.00	4.08	1.61	1	11	3	96	0.00	0.0	8.041	0.052	0	0	0	2
PL.52824	PL.52823	C	#1/0 ACSR	7.26Y	120.9	0.00	4.08	1.61	1	11	3	96	0.00	0.0	8.082	0.041	11	3	2	2

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.43887	PL.43886	C	6 A (CWC)	7.25Y	120.8	0.11	4.19	23.99	17	168	45	97	0.14	0.1	8.097	0.108	11	3	1	29
PL.43888	PL.43887	C	6 A (CWC)	7.25Y	120.8	0.04	4.23	22.40	16	157	42	97	0.05	0.0	8.137	0.040	10	3	1	28
PL.52814	PL.43888	C	6 A (CWC)	7.24Y	120.7	0.03	4.26	20.98	15	147	40	96	0.04	0.0	8.175	0.038	14	4	2	27
PL.52815	PL.52814	C	#4 ACSR	7.24Y	120.7	0.00	4.26	0.81	1	6	2	95	0.00	0.0	8.219	0.044	6	2	1	1
PL.43889	PL.52815	C	#4 ACSR	7.24Y	120.7	0.00	4.26	0.00	0	0	0	100	0.00	0.0	8.259	0.040	0	0	0	0
PL.52816	PL.52814	C	6 A (CWC)	7.24Y	120.7	0.06	4.32	18.23	13	128	34	97	0.06	0.0	8.247	0.072	0	0	0	24
PL.43570	PL.52816	C	#4 ACSR	7.24Y	120.7	0.00	4.32	0.75	1	5	1	98	0.00	0.0	8.278	0.031	5	1	1	1
PL.52233	PL.52816	C	#1/0 ACSR	7.24Y	120.7	0.00	4.32	0.96	0	7	2	96	0.00	0.0	8.273	0.026	7	2	1	1
PL.43890	PL.52816	C	6 A (CWC)	7.24Y	120.6	0.08	4.40	16.52	12	115	31	97	0.07	0.1	8.358	0.111	0	0	0	22
PL.44194	PL.43890	C	6 A (CWC)	7.23Y	120.5	0.07	4.47	12.55	9	88	24	96	0.04	0.0	8.480	0.122	10	3	2	17
PL.44179	PL.44194	C	#2 ACSR	7.23Y	120.5	0.00	4.47	11.13	6	78	21	97	0.00	0.0	8.485	0.006	0	0	0	15
PD.6895	PL.44179	C	40QA	7.23Y	120.5	0.00	4.47	11.13	28	78	21	97	0.00	0.0	8.485	0.006	0	0	0	15
PL.44180	PD.6895	C	#2 ACSR	7.23Y	120.5	0.02	4.49	11.13	6	78	21	97	0.01	0.0	8.536	0.051	4	1	1	15
PL.44181	PL.44180	C	#2 ACSR	7.23Y	120.5	0.04	4.53	10.58	6	74	20	97	0.02	0.0	8.653	0.117	0	0	0	14
PL.59887	PL.44181	C	#2 ACSR	7.23Y	120.4	0.03	4.56	9.78	6	68	18	97	0.01	0.0	8.761	0.108	15	4	2	12
PL.59888	PL.59887	C	#2 ACSR	7.22Y	120.4	0.03	4.59	7.65	4	53	14	97	0.01	0.0	8.883	0.123	0	0	0	10
PL.52218	PL.59888	C	#2 ACSR	7.22Y	120.4	0.00	4.59	1.56	1	11	3	96	0.00	0.0	8.998	0.115	11	3	2	2
PL.63162	PL.59888	C	#2 ACSR	7.22Y	120.4	0.02	4.60	4.30	2	30	8	97	0.00	0.0	9.010	0.127	0	0	0	5
PL.63164	PL.63162	C	6 A (CWC)	7.22Y	120.4	0.01	4.62	4.29	3	30	8	97	0.00	0.0	9.091	0.080	7	2	1	4
PL.64706	PL.63164	C	#1/0 ACSR	7.22Y	120.4	0.00	4.62	1.67	1	12	3	97	0.00	0.0	9.124	0.033	12	3	1	1
PL.63165	PL.63164	C	6 A (CWC)	7.22Y	120.4	0.00	4.62	1.56	1	11	3	96	0.00	0.0	9.111	0.021	0	0	0	2
PL.63163	PL.63165	C	6 A (CWC)	7.22Y	120.4	0.01	4.63	1.56	1	11	3	96	0.00	0.0	9.193	0.082	2	1	1	2
PL.44650	PL.63163	C	6 A (CWC)	7.22Y	120.4	0.00	4.63	1.20	1	8	2	97	0.00	0.0	9.311	0.118	8	2	1	1
PL.64425	PL.63162	C	#2 ACSR	7.22Y	120.4	0.00	4.60	0.01	0	0	0	100	0.00	0.0	9.396	0.386	0	0	0	1
PL.64424	PL.64425	C	6 A (CWC)	7.22Y	120.4	0.00	4.60	0.01	0	0	0	100	0.00	0.0	9.495	0.099	0	0	1	1
PL.64423	PL.64425	C	#2 ACSR	7.22Y	120.4	0.00	4.60	0.00	0	0	0	100	0.00	0.0	9.438	0.042	0	0	0	0
PL.52216	PL.59888	C	6 A (CWC)	7.22Y	120.4	0.01	4.60	1.78	1	12	3	97	0.00	0.0	8.983	0.100	0	0	1	3
PL.52217	PL.52216	C	6 A (CWC)	7.22Y	120.4	0.01	4.60	1.78	1	12	3	97	0.00	0.0	9.077	0.094	7	2	1	2
PL.44649	PL.52217	C	6 A (CWC)	7.22Y	120.4	0.00	4.60	0.79	1	6	1	99	0.00	0.0	9.148	0.071	6	1	1	1
PL.44182	PL.44181	C	#4 ACSR	7.23Y	120.5	0.00	4.53	0.80	1	6	1	99	0.00	0.0	8.771	0.118	0	0	0	2
PL.44187	PL.44182	C	#4 ACSR	7.23Y	120.5	0.00	4.53	0.03	0	0	0	100	0.00	0.0	8.827	0.057	0	0	1	1

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

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

PL.44183	PL.44182	C	#4 ACSR	7.23Y	120.5	0.00	4.53	0.76	1	5	1	98	0.00	0.0	8.824	0.054	5	1	1	1
PL.43891	PL.43890	C	6 A (CWC)	7.24Y	120.6	0.01	4.41	3.96	3	28	7	97	0.00	0.0	8.413	0.056	8	2	2	5
PL.43391	PL.43891	C	6 A (CWC)	7.24Y	120.6	0.00	4.41	1.44	1	10	3	96	0.00	0.0	8.456	0.043	10	3	1	1
PL.44178	PL.43891	C	#4 ACSR	7.24Y	120.6	0.00	4.42	1.33	1	9	2	98	0.00	0.0	8.495	0.082	9	2	2	2
PL.44822	PL.44819	C	6 A (CWC)	7.26Y	121.1	0.01	3.93	1.66	1	12	3	97	0.00	0.0	7.949	0.085	4	1	1	3
PL.52235	PL.44822	C	6 A (CWC)	7.26Y	121.1	0.01	3.94	1.05	1	7	2	96	0.00	0.0	8.240	0.291	7	2	2	2
PL.52234	PL.44326	C	#2 ACSR	7.27Y	121.2	0.00	3.81	0.00	0	0	0	100	0.00	0.0	7.794	0.015	0	0	0	0
PL.44257	PL.44817	C	#2 ACSR	7.31Y	121.8	0.00	3.23	2.64	2	19	5	97	0.00	0.0	7.482	0.046	19	5	2	2
PL.58516	PL.58519	C	6 A (CWC)	7.36Y	122.7	0.00	2.29	0.00	0	0	0	100	0.00	0.0	7.169	0.178	0	0	0	0
PL.44195	PL.44816	C	6 A (CWC)	7.40Y	123.3	0.00	1.73	1.09	1	8	2	97	0.00	0.0	6.833	0.101	8	2	1	1
PL.58514	PL.44816	A	6 A (CWC)	7.40Y	123.3	0.00	1.73	0.84	1	6	2	95	0.00	0.0	6.735	0.003	0	0	0	3
PD.8703	PL.58514	A	20T	7.40Y	123.3	0.00	1.73	0.84	0	6	2	95	0.00	0.0	6.735	0.003	0	0	0	3
PL.58515	PD.8703	A	6 A (CWC)	7.40Y	123.3	0.01	1.74	0.84	1	6	2	95	0.00	0.0	6.903	0.169	0	0	1	3
PL.58513	PL.58515	A	6 A (CWC)	7.40Y	123.3	0.00	1.74	0.79	1	6	2	95	0.00	0.0	6.924	0.020	3	1	1	2
PL.63156	PL.58513	A	#1/0 ACSR	7.40Y	123.3	0.00	1.74	0.37	0	3	1	95	0.00	0.0	6.989	0.065	3	1	1	1
PL.44813	PL.44812	C	6 A (CWC)	7.40Y	123.3	0.00	1.68	1.29	1	9	2	98	0.00	0.0	6.495	0.006	0	0	0	1
PD.6896	PL.44813	C	40QA	7.40Y	123.3	0.00	1.68	1.29	3	9	2	98	0.00	0.0	6.495	0.006	0	0	0	1
PL.44814	PD.6896	C	6 A (CWC)	7.40Y	123.3	0.01	1.69	1.29	1	9	2	98	0.00	0.0	6.713	0.217	9	2	1	1
PL.63802	PL.63800	A	#1/0 ACSR	7.41Y	123.4	0.00	1.57	2.15	1	15	4	97	0.00	0.0	6.176	0.057	15	4	1	1
PL.44243	PL.44242	A	6 A (CWC)	7.41Y	123.5	0.00	1.45	0.23	0	2	0	100	0.00	0.0	5.889	0.006	0	0	0	1
PD.6862	PL.44243	A	40QA	7.41Y	123.5	0.00	1.45	0.23	1	2	0	100	0.00	0.0	5.889	0.006	0	0	0	1
PL.44246	PD.6862	A	6 A (CWC)	7.41Y	123.5	0.00	1.45	0.23	0	2	0	100	0.00	0.0	5.926	0.036	2	0	1	1
PL.44247	PL.44246	A	6 A (CWC)	7.41Y	123.5	0.00	1.45	0.00	0	0	0	100	0.00	0.0	6.123	0.198	0	0	0	0
PL.44244	PL.44242	A	6 A (CWC)	7.41Y	123.5	0.00	1.45	0.00	0	0	0	100	0.00	0.0	5.949	0.065	0	0	0	0
PL.44245	PL.44244	A	6 A (CWC)	7.41Y	123.5	0.00	1.45	0.00	0	0	0	100	0.00	0.0	6.013	0.064	0	0	0	0
PL.43771	PL.52657	ABC	#2 ACSR	7.41Y	123.5	0.03	1.46	21.88	13	470	127	97	0.12	0.0	5.899	0.063	15	4	2	87
PL.43772	PL.43771	ABC	#2 ACSR	7.41Y	123.5	0.02	1.49	21.17	12	454	123	97	0.09	0.0	5.945	0.047	0	0	0	85
PL.42965	PL.43772	ABC	#2 ACSR	7.41Y	123.5	0.03	1.52	21.17	12	454	123	97	0.10	0.0	5.999	0.054	0	0	2	85
PL.42966	PL.42965	ABC	#2 ACSR	7.40Y	123.4	0.10	1.62	21.17	12	454	123	97	0.35	0.1	6.199	0.200	23	6	2	83
PL.42968	PL.42966	C	#4 ACSR	7.40Y	123.4	0.00	1.62	3.00	2	21	6	96	0.00	0.0	6.205	0.006	0	0	0	4
PD.6861	PL.42968	C	40QA	7.40Y	123.4	0.00	1.62	3.00	7	21	6	96	0.00	0.0	6.205	0.006	0	0	0	4

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

Balanced Voltage Drop Report
Source: Maplesville

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.43025	PD.6861	C	#4 ACSR	7.40Y	123.4	0.01	1.63	3.00	2	21	6	96	0.00	0.0	6.258	0.053	4	1	2	4
PL.43026	PL.43025	C	#4 ACSR	7.40Y	123.4	0.00	1.63	2.46	2	18	5	96	0.00	0.0	6.293	0.034	18	5	2	2
PL.41995	PL.42966	ABC	#2 ACSR	7.40Y	123.4	0.03	1.65	18.21	10	390	106	96	0.08	0.0	6.259	0.060	0	0	0	75
PL.43593	PL.41995	ABC	#2 ACSR	7.40Y	123.3	0.04	1.69	17.87	10	383	104	97	0.11	0.0	6.343	0.084	0	0	0	74
PL.43285	PL.43593	ABC	#2 ACSR	7.40Y	123.3	0.03	1.72	10.59	6	227	62	96	0.06	0.0	6.469	0.126	5	1	2	55
PL.43591	PL.43285	C	#4 ACSR	7.40Y	123.3	0.00	1.72	0.58	0	4	1	97	0.00	0.0	6.528	0.059	4	1	1	1
PL.44023	PL.43285	A	#4 ACSR	7.38Y	123.0	0.27	1.99	30.49	23	218	59	97	0.45	0.2	6.669	0.201	0	0	0	52
PL.44825	PL.44023	A	6 A (CWC)	7.38Y	123.0	0.01	2.00	30.49	22	217	59	96	0.01	0.0	6.675	0.006	0	0	0	52
C PD.6827	PL.44825	A	35L	7.38Y	123.0	0.00	2.00	30.49	87	217	59	96	0.00	0.0	6.675	0.006	0	0	0	52 C
PL.44826	PD.6827	A	6 A (CWC)	7.37Y	122.9	0.12	2.12	30.49	22	217	59	96	0.19	0.1	6.762	0.087	3	1	1	52
PL.44286	PL.44826	A	6 A (CWC)	7.36Y	122.6	0.25	2.37	26.04	19	185	50	97	0.35	0.2	6.972	0.209	0	0	0	44
PL.44287	PL.44286	A	#2 ACSR	7.36Y	122.6	0.00	2.37	1.56	1	11	3	96	0.00	0.0	7.016	0.044	0	0	1	4
PL.41974	PL.44287	A	#2 ACSR	7.36Y	122.6	0.00	2.38	1.56	1	11	3	96	0.00	0.0	7.103	0.088	4	1	2	3
PL.44829	PL.41974	A	#2 ACSR	7.36Y	122.6	0.00	2.38	1.03	1	7	2	96	0.00	0.0	7.154	0.050	7	2	1	1
PL.44830	PL.44286	A	6 A (CWC)	7.35Y	122.5	0.15	2.52	24.48	17	174	47	97	0.20	0.1	7.110	0.138	0	0	0	40
PL.44831	PL.44830	A	6 A (CWC)	7.34Y	122.3	0.13	2.65	22.88	16	162	44	97	0.16	0.1	7.235	0.125	0	0	0	38
PL.44832	PL.44831	A	6 A (CWC)	7.33Y	122.2	0.16	2.82	22.88	16	162	44	97	0.20	0.1	7.389	0.154	0	0	0	38
PL.59702	PL.44832	A	6 A (CWC)	7.33Y	122.1	0.10	2.91	22.00	16	156	42	97	0.11	0.1	7.486	0.097	5	1	3	35
PL.59823	PL.59702	A	6 A (CWC)	7.32Y	122.1	0.02	2.93	21.26	15	150	41	96	0.02	0.0	7.506	0.020	0	0	0	32
PL.59899	PL.59823	A	6 A (CWC)	7.32Y	122.0	0.02	2.95	19.73	14	139	38	96	0.02	0.0	7.532	0.026	5	1	1	31
PL.59900	PL.59899	A	6 A (CWC)	7.32Y	122.0	0.03	2.99	19.05	14	135	36	97	0.03	0.0	7.568	0.035	0	0	0	30
PL.59821	PL.59900	A	6 A (CWC)	7.32Y	121.9	0.09	3.07	18.60	13	131	36	96	0.09	0.1	7.670	0.103	0	0	0	27
PL.43825	PL.59821	A	6 A (CWC)	7.31Y	121.8	0.09	3.16	18.60	13	131	36	96	0.09	0.1	7.773	0.102	0	0	0	27
PL.44265	PL.43825	A	6 A (CWC)	7.31Y	121.8	0.05	3.21	16.49	12	116	32	96	0.04	0.0	7.834	0.061	0	0	0	24
PL.43829	PL.44265	A	6 A (CWC)	7.31Y	121.8	0.02	3.23	16.49	12	116	31	97	0.02	0.0	7.864	0.030	0	0	0	24
PL.43830	PL.43829	A	6 A (CWC)	7.30Y	121.7	0.05	3.27	15.68	11	111	30	97	0.04	0.0	7.929	0.065	0	0	0	23
PL.43831	PL.43830	A	6 A (CWC)	7.30Y	121.6	0.08	3.35	15.68	11	111	30	97	0.06	0.1	8.035	0.106	2	0	1	23
PL.43654	PL.43831	A	#1/0 ACSR	7.29Y	121.5	0.16	3.51	15.45	7	109	29	97	0.12	0.1	8.493	0.458	0	0	0	22
PL.43297	PL.43654	A	#4 ACSR	7.29Y	121.5	0.04	3.55	12.86	10	91	24	97	0.03	0.0	8.557	0.064	0	0	0	20
PL.44167	PL.43297	A	#4 ACSR	7.29Y	121.4	0.00	3.55	0.56	0	4	1	97	0.00	0.0	8.619	0.063	4	1	1	1
PL.43298	PL.43297	A	#4 ACSR	7.28Y	121.4	0.06	3.61	12.30	9	87	23	97	0.04	0.0	8.670	0.113	0	0	0	19

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Balanced Voltage Drop Report
Source: Maplesville

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.43299	PL.43298	A	#4 ACSR	7.28Y	121.4	0.00	3.61	12.22	9	86	23	97	0.00	0.0	8.676	0.006	0	0	0	16
PD.6826	PL.43299	A	100CodeSMo	7.28Y	121.4	0.00	3.61	12.22	0	86	23	97	0.00	0.0	8.676	0.006	0	0	0	16
PL.63198	PD.6826	A	#4 ACSR	7.28Y	121.3	0.07	3.68	12.22	9	86	23	97	0.04	0.1	8.814	0.138	12	3	1	16
PL.63199	PL.63198	A	#4 ACSR	7.28Y	121.3	0.03	3.72	10.53	8	74	20	97	0.02	0.0	8.883	0.070	4	1	1	15
PL.43979	PL.63199	A	#4 ACSR	7.28Y	121.3	0.02	3.74	9.96	8	70	19	97	0.01	0.0	8.929	0.046	12	3	1	14
PL.43836	PL.43979	A	#4 ACSR	7.27Y	121.2	0.02	3.76	8.20	6	58	16	96	0.01	0.0	9.006	0.076	13	4	2	13
PL.43837	PL.43836	A	#4 ACSR	7.27Y	121.2	0.01	3.77	6.33	5	44	12	96	0.00	0.0	9.039	0.034	0	0	0	11
PL.44168	PL.43837	A	#4 ACSR	7.27Y	121.2	0.00	3.77	0.00	0	0	0	100	0.00	0.0	9.125	0.086	0	0	0	0
PL.43838	PL.43837	A	#4 ACSR	7.27Y	121.2	0.02	3.79	6.33	5	44	12	96	0.01	0.0	9.115	0.075	0	0	0	11
PL.43839	PL.43838	A	#4 ACSR	7.27Y	121.2	0.02	3.81	6.33	5	44	12	96	0.01	0.0	9.190	0.075	0	0	0	11
PL.43840	PL.43839	A	#4 ACSR	7.27Y	121.2	0.02	3.83	6.33	5	44	12	96	0.01	0.0	9.257	0.068	0	0	0	11
PL.43841	PL.43840	A	#4 ACSR	7.27Y	121.1	0.02	3.85	6.33	5	44	12	96	0.01	0.0	9.334	0.077	0	0	0	11
PL.43843	PL.43841	A	6 A (CWC)	7.27Y	121.1	0.03	3.88	6.33	5	44	12	96	0.01	0.0	9.438	0.104	11	3	2	11
PL.43844	PL.43843	A	6 A (CWC)	7.27Y	121.1	0.02	3.90	4.69	3	33	9	96	0.00	0.0	9.525	0.086	0	0	0	9
PL.43845	PL.43844	A	6 A (CWC)	7.26Y	121.1	0.03	3.93	4.69	3	33	9	96	0.01	0.0	9.684	0.160	0	0	0	9
PL.43951	PL.43845	A	6 A (CWC)	7.26Y	121.1	0.02	3.95	4.66	3	33	9	96	0.00	0.0	9.763	0.078	0	0	0	8
PL.43952	PL.43951	A	6 A (CWC)	7.26Y	121.0	0.04	3.99	4.66	3	33	9	96	0.01	0.0	9.983	0.220	3	1	1	8
PL.44316	PL.43952	A	6 A (CWC)	7.26Y	121.0	0.01	4.01	4.27	3	30	8	97	0.00	0.0	10.059	0.077	0	0	0	7
PL.43804	PL.44316	A	6 A (CWC)	7.26Y	120.9	0.05	4.05	4.15	3	29	8	96	0.01	0.0	10.309	0.250	2	1	1	6
PL.43960	PL.43804	A	6 A (CWC)	7.26Y	120.9	0.02	4.07	3.86	3	27	7	97	0.00	0.0	10.407	0.098	0	0	0	5
PL.43961	PL.43960	A	6 A (CWC)	7.25Y	120.8	0.12	4.19	3.86	3	27	7	97	0.02	0.1	11.069	0.663	0	0	0	5
PL.64091	PL.43961	A	#1/0 ACSR	7.25Y	120.8	0.00	4.19	1.03	0	7	2	96	0.00	0.0	11.153	0.084	0	0	0	1
PL.64092	PL.64091	A	#1/0 ACSR	7.25Y	120.8	0.00	4.19	1.03	0	7	2	96	0.00	0.0	11.198	0.045	7	2	1	1
PL.43962	PL.43961	A	#4 ACSR	7.24Y	120.7	0.06	4.25	2.83	2	20	5	97	0.01	0.0	11.573	0.503	0	0	0	4
PL.43095	PL.43962	A	#4 ACSR	7.24Y	120.7	0.00	4.25	1.17	1	8	2	97	0.00	0.0	11.720	0.147	8	2	1	1
PL.43963	PL.43962	A	#4 ACSR	7.24Y	120.7	0.00	4.25	1.66	1	12	3	97	0.00	0.0	11.603	0.031	6	1	1	3
PL.44069	PL.43963	A	#4 ACSR	7.24Y	120.7	0.00	4.25	0.87	1	6	2	95	0.00	0.0	11.668	0.065	0	0	0	2
PL.44070	PL.44069	A	#4 ACSR	7.24Y	120.7	0.00	4.25	0.01	0	0	0	100	0.00	0.0	11.835	0.167	0	0	0	1
PL.44071	PL.44070	A	6 A (CWC)	7.24Y	120.7	0.00	4.26	0.01	0	0	0	100	0.00	0.0	12.071	0.236	0	0	1	1
PL.44072	PL.44071	A	6 A (CWC)	7.24Y	120.7	0.00	4.26	0.00	0	0	0	100	0.00	0.0	13.081	1.010	0	0	0	0
PL.44073	PL.44072	A	6 A (CWC)	7.24Y	120.7	0.00	4.26	0.00	0	0	0	100	0.00	0.0	13.150	0.069	0	0	0	0

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Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
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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.43409	PL.44070	A	6 A (CWC)	7.24Y	120.7	0.00	4.25	0.00	0	0	0	100	0.00	0.0	12.017	0.182	0	0	0	0
PL.43566	PL.44069	A	#4 ACSR	7.24Y	120.7	0.00	4.26	0.86	1	6	2	95	0.00	0.0	11.762	0.094	6	2	1	1
PL.43953	PL.44316	A	6 A (CWC)	7.26Y	121.0	0.00	4.01	0.13	0	1	0	100	0.00	0.0	10.116	0.057	0	0	0	1
PL.43954	PL.43953	A	6 A (CWC)	7.26Y	121.0	0.00	4.01	0.13	0	1	0	100	0.00	0.0	10.433	0.317	0	0	0	1
PL.44338	PL.43954	A	#4 ACSR	7.26Y	121.0	0.00	4.01	0.13	0	1	0	100	0.00	0.0	10.676	0.242	0	0	0	1
PL.43956	PL.44338	A	#4 ACSR	7.26Y	121.0	0.00	4.01	0.13	0	1	0	100	0.00	0.0	10.722	0.046	0	0	0	1
PL.43957	PL.43956	A	#4 ACSR	7.26Y	121.0	0.00	4.01	0.13	0	1	0	100	0.00	0.0	10.784	0.063	1	0	1	1
PL.43955	PL.43954	A	6 A (CWC)	7.26Y	121.0	0.00	4.01	0.00	0	0	0	100	0.00	0.0	11.130	0.697	0	0	0	0
PL.43958	PL.43955	A	6 A (CWC)	7.26Y	121.0	0.00	4.01	0.00	0	0	0	100	0.00	0.0	11.154	0.024	0	0	0	0
PL.43959	PL.43958	A	6 A (CWC)	7.26Y	121.0	0.00	4.01	0.00	0	0	0	100	0.00	0.0	11.280	0.126	0	0	0	0
PL.43279	PL.43958	A	#4 ACSR	7.26Y	121.0	0.00	4.01	0.00	0	0	0	100	0.00	0.0	11.451	0.296	0	0	0	0
PL.43846	PL.43845	A	#4 ACSR	7.26Y	121.1	0.00	3.93	0.04	0	0	0	100	0.00	0.0	9.706	0.021	0	0	1	1
PL.44839	PL.43846	A	#4 ACSR	7.26Y	121.1	0.00	3.93	0.00	0	0	0	100	0.00	0.0	9.848	0.142	0	0	0	0
PL.43950	PL.44839	A	#4 ACSR	7.26Y	121.1	0.00	3.93	0.00	0	0	0	100	0.00	0.0	9.884	0.037	0	0	0	0
PL.43842	PL.43841	A	#4 ACSR	7.27Y	121.1	0.00	3.85	0.00	0	0	0	100	0.00	0.0	9.340	0.006	0	0	0	0
PD.6958	PL.43842	A	25QA	7.27Y	121.1	0.00	3.85	0.00	0	0	0	100	0.00	0.0	9.340	0.006	0	0	0	0
PL.59886	PD.6958	A	#4 ACSR	7.27Y	121.1	0.00	3.85	0.00	0	0	0	100	0.00	0.0	9.434	0.094	0	0	0	0
PL.59885	PL.59886	A	#2 ACSR	7.27Y	121.1	0.00	3.85	0.00	0	0	0	100	0.00	0.0	9.458	0.024	0	0	0	0
PL.43598	PL.43839	A	#4 ACSR	7.27Y	121.2	0.00	3.81	0.00	0	0	0	100	0.00	0.0	9.256	0.066	0	0	0	0
PL.43977	PL.43298	A	#2 ACSR	7.28Y	121.4	0.00	3.61	0.08	0	1	0	100	0.00	0.0	8.717	0.047	1	0	1	3
PL.43978	PL.43977	A	#2 ACSR	7.28Y	121.4	0.00	3.61	0.00	0	0	0	100	0.00	0.0	8.775	0.058	0	0	2	2
PL.43832	PL.43654	A	#4 ACSR	7.29Y	121.5	0.01	3.52	2.59	2	18	5	96	0.00	0.0	8.545	0.052	0	0	0	2
PL.43833	PL.43832	A	#4 ACSR	7.29Y	121.4	0.04	3.55	2.59	2	18	5	96	0.00	0.0	8.850	0.304	0	0	0	2
PL.44204	PL.43833	A	#4 ACSR	7.29Y	121.4	0.00	3.55	0.00	0	0	0	100	0.00	0.0	9.028	0.178	0	0	0	0
PL.43834	PL.43833	A	#4 ACSR	7.29Y	121.4	0.01	3.57	2.59	2	18	5	96	0.00	0.0	8.957	0.108	0	0	0	2
PL.44158	PL.43834	A	#4 ACSR	7.29Y	121.4	0.00	3.57	0.95	1	7	2	96	0.00	0.0	9.023	0.066	7	2	1	1
PL.43835	PL.43834	A	#4 ACSR	7.28Y	121.4	0.02	3.58	1.64	1	12	3	97	0.00	0.0	9.417	0.460	12	3	1	1
PL.64407	PL.43835	A	#4 ACSR	7.28Y	121.4	0.00	3.58	0.00	0	0	0	100	0.00	0.0	9.448	0.031	0	0	0	0
PL.64408	PL.64407	A	#4 ACSR	7.28Y	121.4	0.00	3.58	0.00	0	0	0	100	0.00	0.0	9.647	0.198	0	0	0	0
PL.44319	PL.43832	A	#4 ACSR	7.29Y	121.5	0.00	3.52	0.00	0	0	0	100	0.00	0.0	8.764	0.218	0	0	0	0
PL.44320	PL.44319	A	#4 ACSR	7.29Y	121.5	0.00	3.52	0.00	0	0	0	100	0.00	0.0	8.922	0.158	0	0	0	0

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

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

PL.42969	PL.43829	A	6 A (CWC)	7.31Y	121.8	0.00	3.23	0.81	1	6	2	95	0.00	0.0	7.940	0.076	6	2	1	1
PL.43388	PL.44265	A	6 A (CWC)	7.31Y	121.8	0.00	3.21	0.00	0	0	0	100	0.00	0.0	7.974	0.140	0	0	0	0
PL.43826	PL.43825	A	#4 ACSR	7.31Y	121.8	0.03	3.19	2.11	2	15	4	97	0.00	0.0	8.156	0.383	2	1	1	3
PL.43827	PL.43826	A	#4 ACSR	7.31Y	121.8	0.00	3.20	1.77	1	13	3	97	0.00	0.0	8.254	0.097	10	3	1	2
PL.44216	PL.43827	A	6 A (CWC)	7.31Y	121.8	0.00	3.20	0.37	0	3	1	95	0.00	0.0	8.318	0.064	3	1	1	1
PL.43828	PL.43827	A	#4 ACSR	7.31Y	121.8	0.00	3.20	0.00	0	0	0	100	0.00	0.0	8.419	0.166	0	0	0	0
PL.42000	PL.43826	A	#4 ACSR	7.31Y	121.8	0.00	3.19	0.00	0	0	0	100	0.00	0.0	8.287	0.130	0	0	0	0
PL.59820	PL.59900	A	#4 ACSR	7.32Y	122.0	0.00	2.99	0.45	0	3	1	95	0.00	0.0	7.635	0.067	1	0	2	3
PL.44838	PL.59820	A	#4 ACSR	7.32Y	122.0	0.00	2.99	0.37	0	3	1	95	0.00	0.0	7.827	0.192	3	1	1	1
PL.59822	PL.59823	A	#1/0 ACSR	7.32Y	122.1	0.00	2.93	1.53	1	11	3	96	0.00	0.0	7.544	0.038	11	3	1	1
PL.44833	PL.44832	A	6 A (CWC)	7.33Y	122.2	0.00	2.82	0.88	1	6	2	95	0.00	0.0	7.438	0.049	0	0	1	3
PL.44834	PL.44833	A	6 A (CWC)	7.33Y	122.2	0.00	2.82	0.83	1	6	2	95	0.00	0.0	7.492	0.055	2	1	1	2
PL.44835	PL.44834	A	6 A (CWC)	7.33Y	122.2	0.00	2.82	0.53	0	4	1	97	0.00	0.0	7.555	0.062	4	1	1	1
PL.44836	PL.44835	A	6 A (CWC)	7.33Y	122.2	0.00	2.82	0.00	0	0	0	100	0.00	0.0	7.591	0.036	0	0	0	0
PL.44837	PL.44836	A	6 A (CWC)	7.33Y	122.2	0.00	2.82	0.00	0	0	0	100	0.00	0.0	7.662	0.071	0	0	0	0
PL.44189	PL.44830	A	6 A (CWC)	7.35Y	122.5	0.00	2.52	0.43	0	3	1	95	0.00	0.0	7.156	0.046	3	1	1	1
PL.43662	PL.44830	A	6 A (CWC)	7.35Y	122.5	0.00	2.53	1.17	1	8	2	97	0.00	0.0	7.167	0.057	8	2	1	1
PL.44827	PL.44826	A	6 A (CWC)	7.37Y	122.9	0.02	2.14	3.66	3	26	7	97	0.00	0.0	6.856	0.094	1	0	1	6
PL.43661	PL.44827	A	6 A (CWC)	7.37Y	122.9	0.00	2.14	2.21	2	16	4	97	0.00	0.0	6.901	0.044	16	4	2	2
PL.44828	PL.44827	A	6 A (CWC)	7.37Y	122.9	0.00	2.14	1.32	1	9	3	95	0.00	0.0	6.888	0.032	2	0	1	3
PL.63169	PL.44828	A	6 A (CWC)	7.37Y	122.9	0.00	2.14	1.08	1	8	2	97	0.00	0.0	6.995	0.106	6	2	1	2
PL.63170	PL.63169	A	6 A (CWC)	7.37Y	122.9	0.00	2.14	0.20	0	1	0	100	0.00	0.0	7.028	0.033	1	0	1	1
PL.43081	PL.44828	A	6 A (CWC)	7.37Y	122.9	0.00	2.14	0.00	0	0	0	100	0.00	0.0	6.952	0.064	0	0	0	0
PL.44275	PL.44826	A	#4 ACSR	7.37Y	122.9	0.00	2.12	0.30	0	2	1	89	0.00	0.0	6.810	0.048	2	1	1	1
PL.43981	PL.43593	B	#2 ACSR	7.40Y	123.3	0.02	1.70	21.84	12	156	42	97	0.02	0.0	6.369	0.026	0	0	0	19
PL.61232	PL.43981	B	6 A (CWC)	7.40Y	123.3	0.00	1.71	21.84	16	156	42	97	0.00	0.0	6.372	0.003	0	0	0	19
PD.9109	PL.61232	B	35L	7.40Y	123.3	0.00	1.71	21.84	62	156	42	97	0.00	0.0	6.372	0.003	0	0	0	19
PL.61233	PD.9109	B	6 A (CWC)	7.39Y	123.2	0.12	1.82	21.84	16	156	42	97	0.13	0.1	6.488	0.116	0	0	0	19
PL.61230	PL.61233	B	6 A (CWC)	7.39Y	123.1	0.07	1.89	19.68	14	140	38	97	0.07	0.0	6.568	0.080	15	4	1	18
PL.59855	PL.61230	B	#1/0 ACSR	7.39Y	123.1	0.00	1.89	1.19	1	8	2	97	0.00	0.0	6.622	0.053	8	2	1	1
PL.59854	PL.61230	B	6 A (CWC)	7.38Y	123.1	0.04	1.93	16.43	12	117	32	96	0.04	0.0	6.623	0.054	0	0	0	16

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Balanced Voltage Drop Report
Source: Maplesville

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.44651	PL.59854	B	6 A (CWC)	7.38Y	123.0	0.08	2.01	16.43	12	117	32	96	0.06	0.1	6.726	0.104	7	2	1	16
PL.52212	PL.44651	B	6 A (CWC)	7.37Y	122.8	0.19	2.19	15.38	11	110	30	96	0.15	0.1	6.992	0.265	0	0	0	15
PL.52213	PL.52212	B	6 A (CWC)	7.37Y	122.8	0.01	2.21	2.33	2	17	4	97	0.00	0.0	7.112	0.120	0	0	0	4
PL.44654	PL.52213	B	6 A (CWC)	7.37Y	122.8	0.03	2.24	2.33	2	17	4	97	0.00	0.0	7.469	0.357	7	2	1	4
PL.44318	PL.44654	B	#2 ACSR	7.37Y	122.8	0.00	2.24	0.35	0	2	1	89	0.00	0.0	7.552	0.084	0	0	0	1
PL.44657	PL.44318	B	#2 ACSR	7.37Y	122.8	0.00	2.24	0.35	0	2	1	89	0.00	0.0	7.650	0.097	0	0	0	1
PL.44192	PL.44657	B	#2 ACSR	7.37Y	122.8	0.00	2.24	0.35	0	2	1	89	0.00	0.0	7.868	0.218	2	1	1	1
PL.44823	PL.44657	B	#2 ACSR	7.37Y	122.8	0.00	2.24	0.00	0	0	0	100	0.00	0.0	7.745	0.095	0	0	0	0
PL.43973	PL.44823	B	#2 ACSR	7.37Y	122.8	0.00	2.24	0.00	0	0	0	100	0.00	0.0	7.831	0.086	0	0	0	0
PL.44824	PL.44823	B	#2 ACSR	7.37Y	122.8	0.00	2.24	0.00	0	0	0	100	0.00	0.0	7.867	0.122	0	0	0	0
PL.44655	PL.44654	B	#4 ACSR	7.37Y	122.8	0.00	2.24	0.98	1	7	2	96	0.00	0.0	7.595	0.127	7	2	2	2
PL.44656	PL.44655	B	#4 ACSR	7.37Y	122.8	0.00	2.24	0.00	0	0	0	100	0.00	0.0	7.783	0.188	0	0	0	0
PL.59468	PL.52212	B	6 A (CWC)	7.36Y	122.7	0.08	2.27	13.06	9	93	25	97	0.05	0.1	7.123	0.132	0	0	0	11
PL.59470	PL.59468	B	6 A (CWC)	7.36Y	122.7	0.00	2.27	0.00	0	0	0	100	0.00	0.0	7.213	0.090	0	0	0	0
PL.59469	PL.59468	B	6 A (CWC)	7.36Y	122.6	0.08	2.35	13.06	9	93	25	97	0.06	0.1	7.257	0.133	0	0	0	11
PL.63179	PL.59469	B	6 A (CWC)	7.35Y	122.6	0.07	2.42	8.95	6	64	17	97	0.03	0.1	7.428	0.171	0	0	0	5
PL.63181	PL.63179	B	#1/0 ACSR	7.35Y	122.6	0.00	2.43	1.74	1	12	3	97	0.00	0.0	7.618	0.190	12	3	1	1
PL.66114	PL.63179	B	6 A (CWC)	7.35Y	122.6	0.01	2.44	7.21	5	51	14	96	0.01	0.0	7.473	0.045	0	0	0	4
PL.66115	PL.66114	B	6 A (CWC)	7.35Y	122.5	0.03	2.47	7.21	5	51	14	96	0.01	0.0	7.590	0.117	14	4	1	4
PL.52663	PL.66115	B	6 A (CWC)	7.35Y	122.5	0.06	2.53	5.28	4	38	10	97	0.02	0.0	7.833	0.243	0	0	0	3
PL.52662	PL.52663	B	6 A (CWC)	7.35Y	122.5	0.01	2.54	4.20	3	30	8	97	0.00	0.0	7.915	0.082	13	4	1	2
PL.44653	PL.52662	B	6 A (CWC)	7.35Y	122.5	0.00	2.54	2.36	2	17	5	96	0.00	0.0	7.965	0.051	17	5	1	1
PL.52661	PL.52663	B	#4 ACSR	7.35Y	122.5	0.00	2.53	1.08	1	8	2	97	0.00	0.0	7.868	0.035	8	2	1	1
PL.64531	PL.59469	B	#4 ACSR	7.36Y	122.6	0.03	2.38	4.11	3	29	8	96	0.01	0.0	7.436	0.179	0	0	0	6
PL.64532	PL.64531	B	#4 ACSR	7.36Y	122.6	0.03	2.41	3.01	2	21	6	96	0.00	0.0	7.751	0.315	12	3	2	5
PL.52215	PL.64532	B	#4 ACSR	7.35Y	122.6	0.00	2.42	1.27	1	9	2	98	0.00	0.0	7.837	0.086	0	0	2	3
PL.44652	PL.52215	B	#4 ACSR	7.35Y	122.6	0.00	2.42	1.20	1	9	2	98	0.00	0.0	7.876	0.039	9	2	1	1
PL.52214	PL.64532	B	#4 ACSR	7.36Y	122.6	0.00	2.41	0.00	0	0	0	100	0.00	0.0	7.816	0.064	0	0	0	0
PL.64533	PL.64531	B	#1/0 ACSR	7.36Y	122.6	0.00	2.38	1.10	0	8	2	97	0.00	0.0	7.456	0.020	8	2	1	1
PL.61231	PL.61233	B	1/0 AL URD	7.39Y	123.2	0.00	1.83	2.17	1	16	4	97	0.00	0.0	6.594	0.106	16	4	1	1
PL.43594	PL.41995	A	#4 ACSR	7.40Y	123.4	0.00	1.65	1.02	1	7	2	96	0.00	0.0	6.265	0.006	0	0	0	1

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Balanced Voltage Drop Report
Source: Maplesville

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----			
																KW	KVAR	Cons On	Cons Thru	
PD.6959	PL.43594	A	40QA	7.40Y	123.4	0.00	1.65	1.02	3	7	2	96	0.00	0.0	6.265	0.006	0	0	0	1
PL.43595	PD.6959	A	#4 ACSR	7.40Y	123.4	0.00	1.65	1.02	1	7	2	96	0.00	0.0	6.294	0.030	7	2	1	1
PL.42967	PL.42966	C	#4 ACSR	7.40Y	123.4	0.00	1.62	2.64	2	19	5	97	0.00	0.0	6.205	0.006	0	0	0	2
PD.6906	PL.42967	C	40QA	7.40Y	123.4	0.00	1.62	2.64	7	19	5	97	0.00	0.0	6.205	0.006	0	0	0	2
PL.43023	PD.6906	C	#4 ACSR	7.40Y	123.4	0.01	1.63	2.64	2	19	5	97	0.00	0.0	6.321	0.115	13	3	1	2
PL.43024	PL.43023	C	#4 ACSR	7.40Y	123.4	0.00	1.63	0.83	1	6	2	95	0.00	0.0	6.364	0.044	6	2	1	1
CP.100	PL.52656	ABC	Cap (300)	7.42Y	123.7	0.00	1.33	0.00	0	0	0	100	0.00	0.0	5.704	0.044	0	0	0	0
PL.42931	PL.44804	C	#4 ACSR	7.44Y	123.9	0.00	1.08	0.00	0	0	0	100	0.00	0.0	5.427	0.044	0	0	0	0
PL.44802	PL.44801	C	#4 ACSR	7.44Y	124.0	0.00	1.02	1.96	2	14	4	96	0.00	0.0	5.307	0.006	0	0	0	1
PD.6866	PL.44802	C	40QA	7.44Y	124.0	0.00	1.02	1.96	5	14	4	96	0.00	0.0	5.307	0.006	0	0	0	1
PL.44803	PD.6866	C	#4 ACSR	7.44Y	124.0	0.00	1.02	1.96	2	14	4	96	0.00	0.0	5.328	0.022	14	4	1	1
PL.44185	PL.44184	A	#2 ACSR	7.10Y	118.3	0.00	6.66	0.25	0	2	0	100	0.00	0.0	4.644	0.006	0	0	0	1
PD.6942	PL.44185	A	40QA	7.10Y	118.3	0.00	6.66	0.25	1	2	0	100	0.00	0.0	4.644	0.006	0	0	0	1
PL.44186	PD.6942	A	#2 ACSR	7.10Y	118.3	0.00	6.66	0.25	0	2	0	100	0.00	0.0	4.717	0.073	2	0	1	1
PL.43513	PL.44644	B	6 A (CWC)	7.11Y	118.5	0.00	6.51	0.40	0	3	1	95	0.00	0.0	4.476	0.006	0	0	0	1
PD.6933	PL.43513	B	40QA	7.11Y	118.5	0.00	6.51	0.40	1	3	1	95	0.00	0.0	4.476	0.006	0	0	0	1
PL.43514	PD.6933	B	6 A (CWC)	7.11Y	118.5	0.00	6.51	0.40	0	3	1	95	0.00	0.0	4.532	0.056	3	1	1	1
PL.62597	PL.62598	A	#4 ACSR	7.12Y	118.6	0.01	6.36	2.72	2	19	5	97	0.00	0.0	4.387	0.084	19	5	4	4
PL.62599	PL.62598	A	#4 ACSR	7.12Y	118.6	0.00	6.35	6.42	5	44	12	96	0.00	0.0	4.309	0.006	0	0	0	5
PD.6898	PL.62599	A	40QA	7.12Y	118.6	0.00	6.35	6.42	16	44	12	96	0.00	0.0	4.309	0.006	0	0	0	5
PL.44639	PD.6898	A	#4 ACSR	7.12Y	118.6	0.01	6.37	6.42	5	44	12	96	0.00	0.0	4.372	0.063	24	7	2	5
PL.44640	PL.44639	A	#4 ACSR	7.12Y	118.6	0.00	6.37	2.89	2	20	5	97	0.00	0.0	4.408	0.037	10	3	1	3
PL.44641	PL.44640	A	#4 ACSR	7.12Y	118.6	0.00	6.37	1.47	1	10	3	96	0.00	0.0	4.484	0.075	6	2	1	2
PL.44642	PL.44641	A	#4 ACSR	7.12Y	118.6	0.00	6.38	0.57	0	4	1	97	0.00	0.0	4.521	0.037	4	1	1	1
PL.44643	PL.44642	A	#4 ACSR	7.12Y	118.6	0.00	6.38	0.00	0	0	0	100	0.00	0.0	4.562	0.041	0	0	0	0
PL.44151	PL.44789	A	6 A (CWC)	7.13Y	118.9	0.00	6.09	0.60	0	4	1	97	0.00	0.0	4.048	0.006	0	0	0	1
PD.6935	PL.44151	A	40QA	7.13Y	118.9	0.00	6.09	0.60	1	4	1	97	0.00	0.0	4.048	0.006	0	0	0	1
PL.44152	PD.6935	A	6 A (CWC)	7.13Y	118.9	0.00	6.09	0.60	0	4	1	97	0.00	0.0	4.077	0.029	4	1	1	1
PL.42961	PL.43859	ABC	#1/0 ACSR	7.16Y	119.3	0.00	5.69	6.89	3	142	41	96	0.00	0.0	3.683	0.020	0	0	0	21
PL.43860	PL.42961	ABC	#1/0 ACSR	7.16Y	119.3	0.00	5.69	6.89	3	142	41	96	0.00	0.0	3.689	0.006	0	0	0	21
PD.6822	PL.43860	ABC	50L	7.16Y	119.3	0.00	5.69	6.89	14	142	41	96	0.00	0.0	3.689	0.006	0	0	0	21

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Balanced Voltage Drop Report
Source: Maplesville

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.43861	PD.6822	ABC	#1/0 ACSR	7.16Y	119.3	0.01	5.70	6.89	3	142	41	96	0.01	0.0	3.753	0.064	0	0	0	21
PL.43862	PL.43861	ABC	#1/0 ACSR	7.16Y	119.3	0.01	5.71	5.90	3	121	36	96	0.01	0.0	3.864	0.111	0	0	0	19
PL.43863	PL.43862	A	#4 ACSR	7.16Y	119.3	0.00	5.71	2.00	2	14	4	96	0.00	0.0	3.869	0.006	0	0	0	3
PD.6899	PL.43863	A	20T	7.16Y	119.3	0.00	5.71	2.00	0	14	4	96	0.00	0.0	3.869	0.006	0	0	0	3
PL.43864	PD.6899	A	#4 ACSR	7.16Y	119.3	0.00	5.71	2.00	2	14	4	96	0.00	0.0	3.922	0.053	5	1	2	3
PL.63197	PL.43864	A	#1/0 ACSR	7.16Y	119.3	0.00	5.71	1.29	1	9	2	98	0.00	0.0	3.960	0.038	9	2	1	1
PL.43865	PL.43862	ABC	#1/0 ACSR	7.16Y	119.3	0.00	5.71	5.23	2	108	32	96	0.00	0.0	3.909	0.045	0	0	0	16
PL.43866	PL.43865	C	#2 ACSR	7.16Y	119.3	0.00	5.71	1.90	1	13	4	96	0.00	0.0	3.915	0.006	0	0	0	1
PD.6729	PL.43866	C	20T	7.16Y	119.3	0.00	5.71	1.90	0	13	4	96	0.00	0.0	3.915	0.006	0	0	0	1
PL.44851	PD.6729	C	#2 ACSR	7.16Y	119.3	0.00	5.71	1.90	1	13	4	96	0.00	0.0	3.945	0.031	13	4	1	1
PL.44852	PL.43865	ABC	#1/0 ACSR	7.16Y	119.3	0.00	5.72	4.60	2	95	29	96	0.00	0.0	3.955	0.046	5	1	3	15
PL.44853	PL.44852	ABC	#1/0 ACSR	7.16Y	119.3	0.01	5.72	4.37	2	90	27	96	0.00	0.0	4.029	0.074	0	0	0	12
PL.62839	PL.44853	ABC	#1/0 ACSR	7.16Y	119.3	0.01	5.73	4.30	2	88	27	96	0.01	0.0	4.171	0.141	0	0	0	11
PL.62411	PL.62839	ABC	#1/0 ACSR	7.16Y	119.3	0.01	5.74	4.30	2	88	27	96	0.01	0.0	4.302	0.132	0	0	0	11
PL.62410	PL.62411	ABC	#1/0 ACSR	7.15Y	119.2	0.02	5.76	4.30	2	88	27	96	0.01	0.0	4.501	0.199	0	0	0	11
PL.62414	PL.62410	ABC	6 A (CWC)	7.15Y	119.2	0.03	5.79	2.68	2	55	18	95	0.01	0.0	4.834	0.333	8	2	2	7
PL.62842	PL.62414	ABC	6 A (CWC)	7.15Y	119.2	0.00	5.79	2.31	2	47	16	95	0.00	0.0	4.860	0.026	8	2	3	5
PL.44774	PL.62842	ABC	6 A (CWC)	7.15Y	119.2	0.00	5.80	1.94	1	39	14	94	0.00	0.0	4.883	0.023	39	14	2	2
PL.62413	PL.62410	ABC	6 A (CWC)	7.15Y	119.2	0.00	5.76	0.92	1	19	5	97	0.00	0.0	4.521	0.020	0	0	0	3
PL.62843	PL.62413	C	#4/0 ACSR	7.15Y	119.2	0.00	5.76	2.75	1	19	5	97	0.00	0.0	4.527	0.006	0	0	0	3
PD.9408	PL.62843	C	20T	7.15Y	119.2	0.00	5.76	2.75	0	19	5	97	0.00	0.0	4.527	0.006	0	0	0	3
PL.62841	PD.9408	C	#4/0 ACSR	7.15Y	119.2	0.00	5.76	2.75	1	19	5	97	0.00	0.0	4.560	0.033	1	0	1	3
PL.43868	PL.62841	C	#4/0 ACSR	7.15Y	119.2	0.00	5.76	2.54	1	18	5	96	0.00	0.0	4.592	0.032	16	4	1	2
PL.43949	PL.43868	C	#4/0 ACSR	7.15Y	119.2	0.00	5.76	0.18	0	1	0	100	0.00	0.0	4.644	0.052	1	0	1	1
PL.62412	PL.62410	C	6 A (CWC)	7.15Y	119.2	0.00	5.76	2.08	1	14	4	96	0.00	0.0	4.505	0.004	0	0	0	1
PD.9407	PL.62412	C	20T	7.15Y	119.2	0.00	5.76	2.08	0	14	4	96	0.00	0.0	4.505	0.004	0	0	0	1
PL.62840	PD.9407	C	6 A (CWC)	7.15Y	119.2	0.00	5.76	2.08	1	14	4	96	0.00	0.0	4.541	0.037	14	4	1	1
PL.62837	PL.44853	C	#2 ACSR	7.16Y	119.3	0.00	5.72	0.21	0	1	0	100	0.00	0.0	4.033	0.003	0	0	0	1
PD.9406	PL.62837	C	20T	7.16Y	119.3	0.00	5.72	0.21	0	1	0	100	0.00	0.0	4.033	0.003	0	0	0	1
PL.62838	PD.9406	C	#2 ACSR	7.16Y	119.3	0.00	5.72	0.21	0	1	0	100	0.00	0.0	4.065	0.032	1	0	1	1
PL.62835	PL.43861	C	6 A (CWC)	7.16Y	119.3	0.00	5.70	2.98	2	21	6	96	0.00	0.0	3.757	0.004	0	0	0	2

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Balanced Voltage Drop Report
Source: Maplesville

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.9405	PL.62835	C	20T	7.16Y	119.3	0.00	5.70	2.98	0	21	6	96	0.00	0.0	3.757	0.004	0	0	0	2
PL.62836	PD.9405	C	6 A (CWC)	7.16Y	119.3	0.00	5.70	2.98	2	21	6	96	0.00	0.0	3.779	0.023	21	6	2	2
PL.43791	PL.43855	B	#1/0 ACSR	7.18Y	119.6	0.00	5.42	1.68	1	12	3	97	0.00	0.0	3.557	0.053	12	3	1	1
PL.43856	PL.43855	B	#2 ACSR	7.18Y	119.6	0.00	5.41	0.54	0	4	1	97	0.00	0.0	3.510	0.006	0	0	0	2
PD.6963	PL.43856	B	25QA	7.18Y	119.6	0.00	5.41	0.54	2	4	1	97	0.00	0.0	3.510	0.006	0	0	0	2
PL.43857	PD.6963	B	#2 ACSR	7.18Y	119.6	0.00	5.42	0.54	0	4	1	97	0.00	0.0	3.537	0.027	4	1	2	2
PL.56793	PL.43971	C	6 A (CWC)	7.19Y	119.8	0.03	5.16	3.63	3	25	7	96	0.00	0.0	3.583	0.243	17	5	1	2
PL.56512	PL.56793	C	6 A (CWC)	7.19Y	119.8	0.00	5.16	1.11	1	8	2	97	0.00	0.0	3.637	0.054	8	2	1	1
PL.56513	PL.56512	C	6 A (CWC)	7.19Y	119.8	0.00	5.16	0.00	0	0	0	100	0.00	0.0	3.689	0.051	0	0	0	0
PL.44255	PL.43589	C	#4 ACSR	7.23Y	120.5	0.01	4.53	2.68	2	19	5	97	0.00	0.0	3.100	0.107	19	5	1	1
PL.44666	PL.43094	ABC	#1/0 ACSR	7.27Y	121.2	0.00	3.82	1.08	0	23	6	97	0.00	0.0	2.669	0.071	12	3	1	5
PL.44667	PL.44666	ABC	#1/0 ACSR	7.27Y	121.2	0.00	3.82	0.50	0	11	3	96	0.00	0.0	2.723	0.054	8	2	1	4
PL.44668	PL.44667	ABC	#1/0 ACSR	7.27Y	121.2	0.00	3.82	0.10	0	2	1	89	0.00	0.0	2.759	0.036	2	1	3	3
PL.42962	PL.43094	ABC	#1/0 ACSR	7.27Y	121.1	0.08	3.90	73.13	32	1533	441	96	0.90	0.1	2.661	0.063	0	0	0	184
PL.44669	PL.42962	ABC	#1/0 ACSR	7.27Y	121.1	0.01	3.91	73.13	32	1532	440	96	0.08	0.0	2.666	0.006	0	0	0	184
C PD.6823	PL.44669	ABC	50L	7.27Y	121.1	0.00	3.91	73.13	146	1532	440	96	0.00	0.0	2.666	0.006	0	0	0	184 C
PL.43903	PD.6823	ABC	#1/0 ACSR	7.26Y	121.1	0.04	3.95	73.13	32	1532	440	96	0.44	0.0	2.697	0.031	0	0	0	184
PL.43906	PL.43903	ABC	#1/0 ACSR	7.26Y	121.0	0.09	4.04	72.25	31	1513	435	96	0.98	0.1	2.768	0.071	0	0	0	182
PL.43909	PL.43906	ABC	#1/0 ACSR	7.25Y	120.8	0.12	4.16	71.93	31	1505	432	96	1.22	0.1	2.857	0.089	0	0	0	181
PL.43910	PL.43909	ABC	#1/0 ACSR	7.24Y	120.7	0.11	4.27	71.67	31	1499	429	96	1.19	0.1	2.944	0.087	0	0	0	179
PL.44729	PL.43910	A	6 A (CWC)	7.24Y	120.7	0.00	4.27	1.35	1	9	3	95	0.00	0.0	2.950	0.006	0	0	0	1
PD.6955	PL.44729	A	40QA	7.24Y	120.7	0.00	4.27	1.35	3	9	3	95	0.00	0.0	2.950	0.006	0	0	0	1
PL.44730	PD.6955	A	6 A (CWC)	7.24Y	120.7	0.00	4.28	1.35	1	9	3	95	0.00	0.0	3.110	0.160	9	3	1	1
PL.43913	PL.43910	C	6 A (CWC)	7.24Y	120.7	0.00	4.28	15.56	11	109	29	97	0.00	0.0	2.950	0.006	0	0	0	10
PD.6900	PL.43913	C	40QA	7.24Y	120.7	0.00	4.28	15.56	39	109	29	97	0.00	0.0	2.950	0.006	0	0	0	10
PL.44731	PD.6900	C	6 A (CWC)	7.24Y	120.7	0.06	4.33	15.56	11	109	29	97	0.05	0.0	3.028	0.078	0	0	0	10
PL.44732	PL.44731	C	6 A (CWC)	7.24Y	120.6	0.04	4.37	15.56	11	109	29	97	0.03	0.0	3.081	0.054	16	4	1	10
PL.44733	PL.44732	C	6 A (CWC)	7.24Y	120.6	0.03	4.40	10.54	8	74	20	97	0.01	0.0	3.162	0.081	33	9	4	7
PL.44735	PL.44733	C	6 A (CWC)	7.24Y	120.6	0.02	4.41	5.77	4	40	11	96	0.00	0.0	3.259	0.097	31	8	2	3
PL.44734	PL.44735	C	6 A (CWC)	7.24Y	120.6	0.00	4.41	1.31	1	9	2	98	0.00	0.0	3.322	0.063	9	2	1	1
PL.44218	PL.44732	C	#2 ACSR	7.24Y	120.6	0.00	4.37	1.37	1	10	3	96	0.00	0.0	3.115	0.034	10	3	1	1

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Balanced Voltage Drop Report
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Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.59801	PL.44732	C	#4 ACSR	7.24Y	120.6	0.00	4.37	1.31	1	9	2	98	0.00	0.0	3.124	0.042	9	2	1	1
PL.59802	PL.59801	C	#4 ACSR	7.24Y	120.6	0.00	4.37	0.00	0	0	0	100	0.00	0.0	3.152	0.029	0	0	0	0
PL.44074	PL.43910	ABC	#1/0 ACSR	7.24Y	120.6	0.08	4.35	66.03	29	1379	397	96	0.76	0.1	3.010	0.066	0	0	0	168
PL.44075	PL.44074	ABC	#1/0 ACSR	7.23Y	120.6	0.10	4.45	66.03	29	1378	396	96	0.92	0.1	3.089	0.080	0	0	0	168
PL.44736	PL.44075	C	6 A (CWC)	7.23Y	120.6	0.00	4.45	2.76	2	19	5	97	0.00	0.0	3.095	0.006	0	0	0	3
PD.6969	PL.44736	C	40QA	7.23Y	120.6	0.00	4.45	2.76	7	19	5	97	0.00	0.0	3.095	0.006	0	0	0	3
PL.44737	PD.6969	C	6 A (CWC)	7.23Y	120.5	0.01	4.45	2.76	2	19	5	97	0.00	0.0	3.163	0.068	12	3	2	3
PL.44738	PL.44737	C	6 A (CWC)	7.23Y	120.5	0.00	4.45	1.04	1	7	2	96	0.00	0.0	3.240	0.077	7	2	1	1
PL.44739	PL.44738	C	6 A (CWC)	7.23Y	120.5	0.00	4.45	0.00	0	0	0	100	0.00	0.0	3.356	0.116	0	0	0	0
PL.43309	PL.44075	ABC	#1/0 ACSR	7.23Y	120.5	0.05	4.50	65.11	28	1358	390	96	0.50	0.0	3.134	0.045	4	1	1	165
PL.43310	PL.43309	ABC	#1/0 ACSR	7.22Y	120.3	0.22	4.72	64.91	28	1353	388	96	2.14	0.2	3.325	0.191	0	0	0	164
PL.43311	PL.43310	A	6 A (CWC)	7.22Y	120.3	0.00	4.73	15.88	11	111	30	97	0.00	0.0	3.331	0.006	0	0	0	14
PD.6860	PL.43311	A	40QA	7.22Y	120.3	0.00	4.73	15.88	40	111	30	97	0.00	0.0	3.331	0.006	0	0	0	14
PL.43312	PD.6860	A	6 A (CWC)	7.21Y	120.2	0.07	4.80	15.88	11	111	30	97	0.06	0.1	3.433	0.102	0	0	0	14
PL.57886	PL.43312	A	6 A (CWC)	7.21Y	120.1	0.05	4.85	14.58	10	102	27	97	0.04	0.0	3.512	0.079	7	2	1	13
PL.57887	PL.57886	A	6 A (CWC)	7.20Y	120.0	0.10	4.96	13.53	10	94	25	97	0.07	0.1	3.695	0.183	14	4	5	12
PL.57888	PL.57887	A	6 A (CWC)	7.20Y	120.0	0.02	4.97	11.56	8	80	22	96	0.01	0.0	3.729	0.033	0	0	0	7
PL.43980	PL.57888	A	#1/0 ACSR	7.20Y	120.0	0.00	4.98	0.83	0	6	2	95	0.00	0.0	3.851	0.122	6	2	1	1
PL.43317	PL.57888	A	6 A (CWC)	7.20Y	120.0	0.00	4.98	0.99	1	7	2	96	0.00	0.0	3.797	0.069	7	2	1	1
PL.43318	PL.43317	A	6 A (CWC)	7.20Y	120.0	0.00	4.98	0.00	0	0	0	100	0.00	0.0	3.913	0.116	0	0	0	0
PL.43313	PL.57888	A	#4 ACSR	7.20Y	120.0	0.03	5.00	9.74	7	68	18	97	0.01	0.0	3.794	0.066	13	4	1	5
PL.43314	PL.43313	A	#4 ACSR	7.20Y	120.0	0.01	5.01	7.87	6	55	15	96	0.00	0.0	3.839	0.044	19	5	1	4
PL.43315	PL.43314	A	#4 ACSR	7.20Y	120.0	0.01	5.02	5.12	4	36	10	96	0.00	0.0	3.880	0.042	16	4	1	3
PL.43316	PL.43315	A	#4 ACSR	7.20Y	120.0	0.00	5.02	2.76	2	19	5	97	0.00	0.0	3.959	0.078	19	5	2	2
PL.44321	PL.43316	A	#4 ACSR	7.20Y	120.0	0.00	5.02	0.00	0	0	0	100	0.00	0.0	3.986	0.028	0	0	0	0
PL.43656	PL.43312	A	#4 ACSR	7.21Y	120.2	0.00	4.80	1.30	1	9	2	98	0.00	0.0	3.475	0.042	9	2	1	1
PL.43319	PL.43310	ABC	#1/0 ACSR	7.21Y	120.2	0.11	4.84	59.61	26	1240	356	96	0.99	0.1	3.430	0.105	0	0	1	150
PL.43320	PL.43319	ABC	#1/0 ACSR	7.20Y	120.0	0.17	5.01	59.61	26	1239	355	96	1.51	0.1	3.590	0.160	13	4	1	149
PL.44740	PL.43320	ABC	#1/0 ACSR	7.19Y	119.8	0.17	5.18	58.96	26	1224	350	96	1.49	0.1	3.751	0.161	0	0	0	148
PL.44741	PL.44740	A	6 A (CWC)	7.19Y	119.8	0.00	5.18	3.87	3	27	7	97	0.00	0.0	3.757	0.006	0	0	0	5
PD.6859	PL.44741	A	40QA	7.19Y	119.8	0.00	5.18	3.87	10	27	7	97	0.00	0.0	3.757	0.006	0	0	0	5

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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.44742	PD.6859	A	6 A (CWC)	7.19Y	119.8	0.02	5.20	3.87	3	27	7	97	0.00	0.0	3.882	0.125	0	0	0	5
PL.44743	PL.44742	A	6 A (CWC)	7.19Y	119.8	0.01	5.21	3.76	3	26	7	97	0.00	0.0	3.934	0.052	12	3	1	4
PL.43657	PL.44743	A	#4 ACSR	7.19Y	119.8	0.00	5.21	0.64	0	4	1	97	0.00	0.0	3.996	0.062	4	1	2	2
PL.44744	PL.44743	A	6 A (CWC)	7.19Y	119.8	0.00	5.21	1.43	1	10	3	96	0.00	0.0	3.989	0.055	10	3	1	1
PL.44745	PL.44744	A	6 A (CWC)	7.19Y	119.8	0.00	5.21	0.00	0	0	0	100	0.00	0.0	4.107	0.118	0	0	0	0
PL.42936	PL.44742	A	#4 ACSR	7.19Y	119.8	0.00	5.20	0.11	0	1	0	100	0.00	0.0	3.969	0.087	1	0	1	1
PL.42003	PL.44740	ABC	#1/0 ACSR	7.19Y	119.8	0.04	5.23	57.67	25	1196	342	96	0.38	0.0	3.794	0.043	15	4	1	143
PL.43587	PL.42003	ABC	#1/0 ACSR	7.18Y	119.7	0.06	5.29	56.96	25	1181	337	96	0.50	0.0	3.852	0.058	0	0	0	142
PL.44273	PL.43587	ABC	#1/0 ACSR	7.18Y	119.6	0.11	5.39	55.86	24	1157	331	96	0.87	0.1	3.959	0.106	15	4	2	140
PL.44274	PL.44273	ABC	#1/0 ACSR	7.17Y	119.5	0.10	5.50	55.15	24	1142	326	96	0.84	0.1	4.062	0.104	0	0	0	138
PL.44419	PL.44274	ABC	6 A (CWC)	7.16Y	119.3	0.19	5.68	51.71	37	1071	302	96	1.64	0.2	4.155	0.092	0	0	0	130
PL.42002	PL.44419	C	#1/0 ACSR	7.16Y	119.3	0.00	5.68	0.88	0	6	2	95	0.00	0.0	4.197	0.043	6	2	1	1
PL.56291	PL.44419	ABC	6 A (CWC)	7.15Y	119.2	0.07	5.76	51.42	37	1063	299	96	0.65	0.1	4.192	0.037	0	0	0	129
PL.56293	PL.56291	ABC	#1/0 ACSR	7.15Y	119.2	0.07	5.83	44.85	19	926	263	96	0.48	0.1	4.280	0.089	0	0	0	107
PL.43296	PL.56293	A	#2/0 ACSR	7.15Y	119.2	0.00	5.83	1.51	1	10	3	96	0.00	0.0	4.326	0.045	10	3	1	1
PL.63193	PL.56293	B	1/0 AL URD	7.15Y	119.2	0.00	5.83	0.46	0	3	1	95	0.00	0.0	4.335	0.054	3	1	1	1
PL.44486	PL.56293	ABC	#1/0 ACSR	7.15Y	119.1	0.04	5.87	44.19	19	912	259	96	0.25	0.0	4.329	0.048	14	4	1	105
PL.44487	PL.44486	ABC	#1/0 ACSR	7.15Y	119.1	0.04	5.91	43.53	19	898	255	96	0.26	0.0	4.380	0.052	0	0	0	104
PL.44491	PL.44487	ABC	#1/0 ACSR	7.13Y	118.9	0.19	6.10	42.44	18	875	249	96	1.17	0.1	4.625	0.244	0	0	0	100
PL.41984	PL.44491	ABC	#1/0 ACSR	7.13Y	118.8	0.09	6.19	42.44	18	874	247	96	0.56	0.1	4.741	0.117	0	0	0	100
PL.41985	PL.41984	ABC	#1/0 ACSR	7.13Y	118.8	0.06	6.25	42.44	18	873	247	96	0.38	0.0	4.821	0.080	0	0	0	100
PL.64701	PL.41985	ABC	#1/0 ACSR	7.12Y	118.7	0.04	6.29	41.94	18	863	244	96	0.28	0.0	4.880	0.059	0	0	0	98
PL.64702	PL.64701	ABC	#1/0 ACSR	7.12Y	118.7	0.04	6.33	41.46	18	853	241	96	0.23	0.0	4.930	0.050	0	0	0	96
PL.41990	PL.64702	A	6 A (CWC)	7.12Y	118.7	0.00	6.33	2.57	2	18	5	96	0.00	0.0	4.936	0.006	0	0	0	1
PD.6908	PL.41990	A	40QA	7.12Y	118.7	0.00	6.33	2.57	6	18	5	96	0.00	0.0	4.936	0.006	0	0	0	1
PL.41991	PD.6908	A	6 A (CWC)	7.12Y	118.7	0.00	6.33	2.57	2	18	5	96	0.00	0.0	5.003	0.067	18	5	1	1
PL.59816	PL.64702	A	#1/0 ACSR	7.12Y	118.7	0.00	6.33	1.58	1	11	3	96	0.00	0.0	4.980	0.050	11	3	1	1
PL.41992	PL.64702	ABC	#1/0 ACSR	7.12Y	118.6	0.03	6.36	40.08	17	824	233	96	0.17	0.0	4.970	0.040	0	0	0	94
PL.41993	PL.41992	A	#1/0 ACSR	7.12Y	118.6	0.00	6.36	3.99	2	27	7	97	0.00	0.0	4.976	0.006	0	0	0	3
PD.6932	PL.41993	A	40QA	7.12Y	118.6	0.00	6.36	3.99	10	27	7	97	0.00	0.0	4.976	0.006	0	0	0	3
PL.41994	PD.6932	A	#1/0 ACSR	7.12Y	118.6	0.00	6.36	3.99	2	27	7	97	0.00	0.0	5.026	0.050	18	5	2	3

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Balanced Voltage Drop Report
Source: Maplesville

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.44747	PL.41994	A	#1/0 ACSR	7.12Y	118.6	0.00	6.36	1.34	1	9	2	98	0.00	0.0	5.059	0.032	9	2	1	1
PL.44748	PL.41992	ABC	#1/0 ACSR	7.11Y	118.5	0.10	6.46	38.75	17	796	225	96	0.59	0.1	5.117	0.147	0	0	0	91
PL.44750	PL.44748	A	#1/0 ACSR	7.11Y	118.5	0.00	6.46	1.51	1	10	3	96	0.00	0.0	5.123	0.006	0	0	0	1
PD.6877	PL.44750	A	40QA	7.11Y	118.5	0.00	6.46	1.51	4	10	3	96	0.00	0.0	5.123	0.006	0	0	0	1
PL.44751	PD.6877	A	#1/0 ACSR	7.11Y	118.5	0.00	6.46	1.51	1	10	3	96	0.00	0.0	5.202	0.079	10	3	1	1
PL.44749	PL.44748	ABC	#1/0 ACSR	7.11Y	118.4	0.10	6.57	38.25	17	785	222	96	0.58	0.1	5.267	0.150	0	0	0	90
PL.44752	PL.44749	A	6 A (CWC)	7.11Y	118.4	0.00	6.57	0.96	1	7	2	96	0.00	0.0	5.273	0.006	0	0	0	1
PD.6947	PL.44752	A	40QA	7.11Y	118.4	0.00	6.57	0.96	2	7	2	96	0.00	0.0	5.273	0.006	0	0	0	1
PL.44753	PD.6947	A	6 A (CWC)	7.10Y	118.4	0.02	6.59	0.96	1	7	2	96	0.00	0.0	5.791	0.518	0	0	0	1
PL.44755	PL.44753	A	#4 ACSR	7.10Y	118.4	0.00	6.59	0.96	1	7	2	96	0.00	0.0	6.012	0.221	7	2	1	1
PL.44756	PL.44755	A	#4 ACSR	7.10Y	118.4	0.00	6.59	0.00	0	0	0	100	0.00	0.0	6.047	0.035	0	0	0	0
PL.44754	PL.44753	A	6 A (CWC)	7.10Y	118.4	0.00	6.59	0.00	0	0	0	100	0.00	0.0	5.870	0.079	0	0	0	0
PL.44337	PL.44754	A	6 A (CWC)	7.10Y	118.4	0.00	6.59	0.00	0	0	0	100	0.00	0.0	5.966	0.096	0	0	0	0
PL.44253	PL.44749	ABC	#1/0 ACSR	7.10Y	118.3	0.13	6.70	37.93	16	778	220	96	0.75	0.1	5.464	0.197	0	0	0	89
PL.44757	PL.44253	ABC	#1/0 ACSR	7.10Y	118.3	0.00	6.70	37.93	16	777	219	96	0.02	0.0	5.470	0.006	0	0	0	89
C PD.6820	PL.44757	ABC	35H	7.10Y	118.3	0.00	6.70	37.93	108	777	219	96	0.00	0.0	5.470	0.006	0	0	0	89 C
PL.44758	PD.6820	ABC	#1/0 ACSR	7.09Y	118.2	0.05	6.75	37.93	16	777	219	96	0.28	0.0	5.543	0.074	0	0	0	89
PL.44759	PL.44758	ABC	#1/0 ACSR	7.09Y	118.2	0.07	6.82	37.93	16	777	219	96	0.38	0.0	5.645	0.102	15	4	1	89
PL.44761	PL.44759	A	#1/0 ACSR	7.09Y	118.2	0.00	6.82	3.20	1	22	6	96	0.00	0.0	5.651	0.006	0	0	0	1
PD.6943	PL.44761	A	25QA	7.09Y	118.2	0.00	6.82	3.20	13	22	6	96	0.00	0.0	5.651	0.006	0	0	0	1
PL.44762	PD.6943	A	#1/0 ACSR	7.09Y	118.2	0.00	6.83	3.20	1	22	6	96	0.00	0.0	5.675	0.024	22	6	1	1
PL.44760	PL.44759	ABC	#1/0 ACSR	7.09Y	118.1	0.06	6.89	36.13	16	740	208	96	0.34	0.0	5.743	0.097	0	0	0	87
PL.43555	PL.44760	ABC	#1/0 ACSR	7.09Y	118.1	0.02	6.90	32.75	14	670	190	96	0.08	0.0	5.772	0.030	0	0	0	80
PL.43556	PL.43555	ABC	#1/0 ACSR	7.08Y	118.1	0.02	6.93	32.75	14	670	189	96	0.11	0.0	5.810	0.038	0	0	0	80
PL.44171	PL.43556	C	#1/0 ACSR	7.08Y	118.1	0.00	6.93	0.07	0	0	0	100	0.00	0.0	5.816	0.006	0	0	0	1
PD.6931	PL.44171	C	60QA	7.08Y	118.1	0.00	6.93	0.07	0	0	0	100	0.00	0.0	5.816	0.006	0	0	0	1
PL.43410	PD.6931	C	#1/0 ACSR	7.08Y	118.1	0.00	6.93	0.07	0	0	0	100	0.00	0.0	5.823	0.007	0	0	0	1
PL.43965	PL.43410	C	6 A (CWC)	7.08Y	118.1	0.00	6.93	0.07	0	0	0	100	0.00	0.0	5.977	0.155	0	0	1	1
PL.43966	PL.43965	C	#2 ACSR	7.08Y	118.1	0.00	6.93	0.00	0	0	0	100	0.00	0.0	6.058	0.080	0	0	0	0
PL.44217	PL.43966	C	#1/0 ACSR	7.08Y	118.1	0.00	6.93	0.00	0	0	0	100	0.00	0.0	6.146	0.089	0	0	0	0
PL.43793	PL.43966	C	#1/0 ACSR	7.08Y	118.1	0.00	6.93	0.00	0	0	0	100	0.00	0.0	6.137	0.079	0	0	0	0

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.44190	PL.43966	C	#1/0 ACSR	7.08Y	118.1	0.00	6.93	0.00	0	0	0	100	0.00	0.0	6.093	0.035	0	0	0	0
PL.43967	PL.43966	C	#2 ACSR	7.08Y	118.1	0.00	6.93	0.00	0	0	0	100	0.00	0.0	6.105	0.048	0	0	0	0
PL.43021	PL.43967	C	#2 ACSR	7.08Y	118.1	0.00	6.93	0.00	0	0	0	100	0.00	0.0	6.138	0.033	0	0	0	0
PL.43968	PL.43967	C	#2 ACSR	7.08Y	118.1	0.00	6.93	0.00	0	0	0	100	0.00	0.0	6.212	0.106	0	0	0	0
PL.44451	PL.43556	ABC	#1/0 ACSR	7.08Y	118.0	0.03	6.96	32.73	14	669	189	96	0.15	0.0	5.862	0.052	0	0	0	79
L PL.44452	PL.44451	ABC	#1/0 ACSR	7.08Y	118.0	0.06	7.01	32.73	14	669	189	96	0.27	0.0	5.957	0.095	0	0	0	79 L
L PL.63171	PL.44452	B	#1/0 ACSR	7.08Y	118.0	0.00	7.01	4.10	2	28	8	96	0.00	0.0	5.975	0.019	28	8	3	3 L
L PL.44457	PL.44452	ABC	#1/0 ACSR	7.08Y	118.0	0.03	7.04	27.66	12	565	161	96	0.12	0.0	6.018	0.061	27	7	4	60 L
L PL.44458	PL.44457	A	#1/0 ACSR	7.08Y	118.0	0.00	7.05	6.94	3	45	20	91	0.00	0.0	6.023	0.006	0	0	0	3 L
L PD.6728	PL.44458	A	40QA	7.08Y	118.0	0.00	7.05	6.94	17	45	20	91	0.00	0.0	6.023	0.006	0	0	0	3 L
L PL.44459	PD.6728	A	#1/0 ACSR	7.08Y	117.9	0.01	7.05	6.94	3	45	20	91	0.00	0.0	6.112	0.088	35	17	1	3 L
L PL.44460	PL.44459	A	#1/0 ACSR	7.08Y	117.9	0.00	7.06	1.49	1	10	3	96	0.00	0.0	6.173	0.061	10	3	2	2 L
L PL.59803	PL.44460	A	#1/0 ACSR	7.08Y	117.9	0.00	7.06	0.00	0	0	0	100	0.00	0.0	6.231	0.059	0	0	0	0 L
L PL.44461	PL.44457	ABC	#1/0 ACSR	7.07Y	117.9	0.06	7.10	24.07	10	493	134	96	0.21	0.0	6.156	0.138	10	3	2	53 L
L PL.44462	PL.44461	ABC	#1/0 ACSR	7.07Y	117.9	0.04	7.14	23.57	10	483	131	97	0.13	0.0	6.242	0.086	0	0	0	51 L
L PL.44463	PL.44462	C	#1/0 ACSR	7.07Y	117.9	0.00	7.14	1.59	1	11	3	96	0.00	0.0	6.248	0.006	0	0	0	1 L
L PD.6730	PL.44463	C	40QA	7.07Y	117.9	0.00	7.14	1.59	4	11	3	96	0.00	0.0	6.248	0.006	0	0	0	1 L
L PL.44464	PD.6730	C	#1/0 ACSR	7.07Y	117.9	0.00	7.14	1.59	1	11	3	96	0.00	0.0	6.257	0.009	0	0	0	1 L
L PL.44465	PL.44464	C	#1/0 ACSR	7.07Y	117.9	0.00	7.14	1.59	1	11	3	96	0.00	0.0	6.301	0.044	11	3	1	1 L
L PL.44466	PL.44462	ABC	#1/0 ACSR	7.07Y	117.8	0.04	7.18	23.04	10	472	128	97	0.13	0.0	6.336	0.094	0	0	0	50 L
L PL.44467	PL.44466	ABC	#1/0 ACSR	7.07Y	117.8	0.04	7.22	23.04	10	472	128	97	0.13	0.0	6.427	0.092	0	0	0	50 L
L PL.44468	PL.44467	C	6 A (CWC)	7.07Y	117.8	0.00	7.22	1.17	1	8	2	97	0.00	0.0	6.433	0.006	0	0	0	2 L
L PD.6875	PL.44468	C	40QA	7.07Y	117.8	0.00	7.22	1.17	3	8	2	97	0.00	0.0	6.433	0.006	0	0	0	2 L
L PL.44470	PD.6875	C	6 A (CWC)	7.07Y	117.8	0.00	7.22	1.17	1	8	2	97	0.00	0.0	6.445	0.012	0	0	0	2 L
L PL.43096	PL.44470	C	6 A (CWC)	7.07Y	117.8	0.00	7.22	0.95	1	6	2	95	0.00	0.0	6.468	0.023	6	2	1	1 L
L PL.44471	PL.44470	C	6 A (CWC)	7.07Y	117.8	0.00	7.22	0.22	0	1	0	100	0.00	0.0	6.490	0.045	1	0	1	1 L
L PL.42960	PL.44467	ABC	#1/0 ACSR	7.06Y	117.7	0.04	7.25	20.03	9	410	111	97	0.10	0.0	6.526	0.098	7	2	1	41 L
L PL.43776	PL.42960	C	6 A (CWC)	7.06Y	117.7	0.01	7.27	51.64	37	352	96	96	0.04	0.0	6.531	0.006	0	0	0	34 L
C PD.6874	PL.43776	C	60QA	7.06Y	117.7	0.00	7.27	51.64	86	352	96	96	0.00	0.0	6.531	0.006	0	0	0	34 C
L PL.43777	PD.6874	C	6 A (CWC)	7.06Y	117.6	0.14	7.41	51.64	37	352	96	96	0.38	0.1	6.592	0.061	9	2	1	34 L
L PL.42941	PL.43777	C	6 A (CWC)	7.05Y	117.5	0.12	7.53	49.07	35	334	91	96	0.32	0.1	6.648	0.056	12	3	1	32 L

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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

L PL.42942	PL.42941	C	6 A (CWC)	7.03Y	117.2	0.25	7.78	47.35	34	322	87	97	0.63	0.2	6.767	0.118	6	2	1	31 L
L PL.66143	PL.42942	C	6 A (CWC)	7.03Y	117.2	0.01	7.79	2.79	2	19	5	97	0.00	0.0	6.827	0.060	0	0	0	3 L
L PL.66144	PL.66143	C	6 A (CWC)	7.03Y	117.2	0.01	7.80	2.57	2	17	5	96	0.00	0.0	6.901	0.074	6	2	1	2 L
L PL.43782	PL.66144	C	6 A (CWC)	7.03Y	117.2	0.02	7.82	1.71	1	12	3	97	0.00	0.0	7.207	0.306	0	0	0	1 L
L PL.43783	PL.43782	C	6 A (CWC)	7.03Y	117.2	0.00	7.83	1.71	1	12	3	97	0.00	0.0	7.269	0.062	12	3	1	1 L
L PL.66142	PL.66143	C	#1/0 ACSR	7.03Y	117.2	0.00	7.79	0.22	0	2	0	100	0.00	0.0	6.907	0.081	2	0	1	1 L
L PL.42943	PL.42942	C	6 A (CWC)	7.02Y	117.0	0.19	7.98	43.68	31	297	80	97	0.44	0.1	6.863	0.096	3	1	1	27 L
L PL.44843	PL.42943	C	6 A (CWC)	7.01Y	116.9	0.12	8.10	43.26	31	293	79	97	0.28	0.1	6.927	0.064	20	5	3	26 L
L PL.43321	PL.44843	C	6 A (CWC)	7.01Y	116.8	0.09	8.18	38.20	27	259	70	97	0.17	0.1	6.976	0.049	0	0	0	21 L
L PL.43848	PL.43321	C	6 A (CWC)	7.00Y	116.7	0.11	8.30	38.20	27	259	70	97	0.23	0.1	7.041	0.065	6	1	1	21 L
L PL.43849	PL.43848	C	6 A (CWC)	7.00Y	116.7	0.05	8.34	37.38	27	253	68	97	0.09	0.0	7.068	0.027	0	0	0	20 L
L PL.53202	PL.43849	C	6 A (CWC)	6.99Y	116.6	0.10	8.44	26.57	19	180	48	97	0.13	0.1	7.151	0.083	19	5	2	15 L
L PL.53203	PL.53202	C	6 A (CWC)	6.99Y	116.5	0.05	8.48	23.70	17	160	43	97	0.06	0.0	7.195	0.044	0	0	0	13 L
L PL.53204	PL.53203	C	6 A (CWC)	6.99Y	116.5	0.01	8.50	6.65	5	45	12	97	0.00	0.0	7.243	0.047	11	3	1	3 L
L PL.53205	PL.53204	C	6 A (CWC)	6.99Y	116.5	0.00	8.50	4.97	4	34	9	97	0.00	0.0	7.264	0.022	15	4	1	2 L
L PL.53772	PL.53205	C	6 A (CWC)	6.99Y	116.5	0.01	8.51	2.72	2	18	5	96	0.00	0.0	7.337	0.073	0	0	0	1 L
L PL.43794	PL.53772	C	#2 ACSR	6.99Y	116.5	0.00	8.51	0.00	0	0	0	100	0.00	0.0	7.356	0.019	0	0	0	0 L
L PL.43850	PL.53772	C	6 A (CWC)	6.99Y	116.5	0.00	8.51	2.72	2	18	5	96	0.00	0.0	7.357	0.020	18	5	1	1 L
L PL.43851	PL.53203	C	#4 ACSR	6.98Y	116.4	0.13	8.61	17.04	13	115	31	97	0.12	0.1	7.363	0.168	0	0	0	10 L
L PL.43852	PL.43851	C	#4 ACSR	6.98Y	116.4	0.00	8.61	2.26	2	15	4	97	0.00	0.0	7.410	0.046	15	4	1	1 L
L PL.43853	PL.43851	C	#4 ACSR	6.98Y	116.3	0.05	8.66	14.79	11	100	27	97	0.04	0.0	7.442	0.079	5	1	1	9 L
L PL.43854	PL.43853	C	#4 ACSR	6.98Y	116.3	0.01	8.68	14.00	11	94	25	97	0.01	0.0	7.466	0.023	9	2	1	8 L
L PL.55002	PL.43854	C	#4 ACSR	6.98Y	116.3	0.05	8.73	12.63	10	85	23	97	0.03	0.0	7.579	0.114	28	8	1	7 L
L PL.55003	PL.55002	C	#1/0 ACSR	6.98Y	116.3	0.01	8.74	4.75	2	32	9	96	0.00	0.0	7.679	0.100	14	4	1	3 L
L PL.53199	PL.55003	C	#1/0 ACSR	6.98Y	116.3	0.00	8.74	2.68	1	18	5	96	0.00	0.0	7.720	0.041	0	0	0	2 L
L PL.53200	PL.53199	C	#1/0 ACSR	6.98Y	116.3	0.00	8.74	0.60	0	4	1	97	0.00	0.0	7.752	0.031	4	1	1	1 L
L PL.53201	PL.53199	C	#1/0 ACSR	6.98Y	116.3	0.00	8.74	2.08	1	14	4	96	0.00	0.0	7.759	0.038	14	4	1	1 L
L PL.55004	PL.55002	C	#1/0 ACSR	6.98Y	116.3	0.00	8.73	3.65	2	25	7	96	0.00	0.0	7.616	0.037	25	7	3	3 L
L PL.53775	PL.43849	C	6 A (CWC)	7.00Y	116.6	0.01	8.35	10.81	8	73	20	96	0.01	0.0	7.099	0.031	13	3	1	5 L
L PL.53776	PL.53775	C	#1/0 ACSR	7.00Y	116.6	0.02	8.37	8.93	4	60	16	97	0.01	0.0	7.176	0.078	0	0	0	4 L
L PL.53779	PL.53776	C	#1/0 ACSR	7.00Y	116.6	0.00	8.37	3.03	1	20	5	97	0.00	0.0	7.229	0.053	11	3	1	2 L

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

Balanced Voltage Drop Report
Source: Maplesville

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

L PL.53780	PL.53779	C	#1/0 ACSR	7.00Y	116.6	0.00	8.38	1.35	1	9	2	98	0.00	0.0	7.416	0.187	9	2	1	1 L
L PL.53777	PL.53776	C	#1/0 ACSR	7.00Y	116.6	0.01	8.38	5.90	3	40	11	96	0.00	0.0	7.260	0.084	14	4	1	2 L
L PL.53778	PL.53777	C	#1/0 ACSR	7.00Y	116.6	0.00	8.38	3.89	2	26	7	97	0.00	0.0	7.326	0.066	26	7	1	1 L
L PL.53773	PL.43321	C	#2 ACSR	7.01Y	116.8	0.00	8.18	0.00	0	0	0	100	0.00	0.0	7.000	0.024	0	0	0	0 L
L PL.44206	PL.44843	C	6 A (CWC)	7.01Y	116.9	0.00	8.10	2.11	2	14	4	96	0.00	0.0	6.963	0.036	14	4	2	2 L
L PL.44027	PL.43777	C	6 A (CWC)	7.06Y	117.6	0.00	7.41	1.28	1	9	2	98	0.00	0.0	6.735	0.143	9	2	1	1 L
L PL.44844	PL.42960	ABC	#1/0 ACSR	7.06Y	117.7	0.01	7.26	2.21	1	45	12	97	0.00	0.0	6.702	0.176	0	0	0	5 L
L PL.44846	PL.44844	A	#1/0 ACSR	7.06Y	117.7	0.00	7.26	2.85	1	19	5	97	0.00	0.0	6.708	0.006	0	0	0	3 L
L PD.6873	PL.44846	A	40QA	7.06Y	117.7	0.00	7.26	2.85	7	19	5	97	0.00	0.0	6.708	0.006	0	0	0	3 L
L PL.44847	PD.6873	A	#1/0 ACSR	7.06Y	117.7	0.00	7.26	2.85	1	19	5	97	0.00	0.0	6.717	0.010	14	4	1	3 L
L PL.44848	PL.44847	A	#1/0 ACSR	7.06Y	117.7	0.00	7.26	0.79	0	5	1	98	0.00	0.0	6.782	0.065	3	1	1	2 L
L PL.44849	PL.44848	A	#1/0 ACSR	7.06Y	117.7	0.00	7.26	0.40	0	3	1	95	0.00	0.0	6.854	0.072	3	1	1	1 L
L PL.44845	PL.44844	ABC	#1/0 ACSR	7.06Y	117.7	0.00	7.26	1.26	1	26	7	97	0.00	0.0	6.735	0.033	0	0	0	2 L
L PL.44850	PL.44845	A	#2 ACSR	7.06Y	117.7	0.00	7.26	1.14	1	8	2	97	0.00	0.0	6.741	0.006	0	0	0	1 L
L PD.6923	PL.44850	A	25QA	7.06Y	117.7	0.00	7.26	1.14	5	8	2	97	0.00	0.0	6.741	0.006	0	0	0	1 L
L PL.53774	PD.6923	A	#2 ACSR	7.06Y	117.7	0.00	7.26	1.14	1	8	2	97	0.00	0.0	6.754	0.013	8	2	1	1 L
L PL.44268	PL.44845	A	#2 ACSR	7.06Y	117.7	0.00	7.26	2.64	2	18	5	96	0.00	0.0	6.752	0.017	18	5	1	1 L
L PL.43022	PL.44845	A	#1/0 ACSR	7.06Y	117.7	0.00	7.26	0.00	0	0	0	100	0.00	0.0	6.754	0.019	0	0	0	0 L
L PL.44266	PL.42960	A	#1/0 ACSR	7.06Y	117.7	0.00	7.25	0.80	0	5	1	98	0.00	0.0	6.543	0.017	5	1	1	1 L
L PL.44469	PL.44467	A	6 A (CWC)	7.07Y	117.8	0.00	7.22	7.86	6	54	14	97	0.00	0.0	6.433	0.006	0	0	0	7 L
L PD.6876	PL.44469	A	60QA	7.07Y	117.8	0.00	7.22	7.86	13	54	14	97	0.00	0.0	6.433	0.006	0	0	0	7 L
L PL.44772	PD.6876	A	6 A (CWC)	7.07Y	117.8	0.03	7.25	7.86	6	54	14	97	0.01	0.0	6.512	0.079	0	0	0	7 L
L PL.43655	PL.44772	A	6 A (CWC)	7.07Y	117.8	0.00	7.25	0.13	0	1	0	100	0.00	0.0	6.588	0.076	1	0	1	1 L
L PL.44773	PL.44772	A	6 A (CWC)	7.06Y	117.7	0.03	7.28	7.73	6	53	14	97	0.01	0.0	6.604	0.092	10	3	1	6 L
L PL.59892	PL.44773	A	6 A (CWC)	7.06Y	117.7	0.03	7.31	6.33	5	43	12	96	0.01	0.0	6.729	0.125	18	5	1	5 L
L PL.59894	PL.59892	A	#1/0 ACSR	7.06Y	117.7	0.00	7.31	0.00	0	0	0	100	0.00	0.0	6.900	0.171	0	0	0	0 L
L PL.59893	PL.59892	A	6 A (CWC)	7.06Y	117.7	0.00	7.31	3.75	3	26	7	97	0.00	0.0	6.760	0.031	7	2	1	4 L
L PL.44840	PL.59893	A	6 A (CWC)	7.06Y	117.7	0.01	7.32	2.79	2	19	5	97	0.00	0.0	6.820	0.060	0	0	0	3 L
L PL.43738	PL.44840	A	#1/0 ACSR	7.06Y	117.7	0.00	7.32	0.00	0	0	0	100	0.00	0.0	6.908	0.088	0	0	0	0 L
L PL.43964	PL.44840	A	#4 ACSR	7.06Y	117.7	0.00	7.32	0.81	1	6	1	99	0.00	0.0	6.852	0.031	6	1	1	1 L
L PL.44841	PL.44840	A	6 A (CWC)	7.06Y	117.7	0.01	7.32	1.98	1	14	4	96	0.00	0.0	6.899	0.079	0	0	0	2 L

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
L PL.44174	PL.44841	A	#4 ACSR	7.06Y	117.7	0.00	7.32	0.49	0	3	1	95	0.00	0.0	6.919	0.019	3	1	1	1 L
L PL.44842	PL.44841	A	6 A (CWC)	7.06Y	117.7	0.00	7.33	1.49	1	10	3	96	0.00	0.0	6.973	0.073	10	3	1	1 L
L PL.44453	PL.44452	A	#1/0 ACSR	7.08Y	118.0	0.01	7.02	11.10	5	76	20	97	0.00	0.0	5.989	0.033	8	2	2	16 L
L PL.44454	PL.44453	A	#1/0 ACSR	7.08Y	118.0	0.02	7.04	9.97	4	68	18	97	0.01	0.0	6.085	0.095	13	3	3	14 L
L PL.44455	PL.44454	A	#1/0 ACSR	7.08Y	117.9	0.01	7.05	8.07	4	55	15	96	0.00	0.0	6.146	0.062	29	8	5	11 L
L PL.44456	PL.44455	A	#1/0 ACSR	7.08Y	117.9	0.00	7.05	3.88	2	26	7	97	0.00	0.0	6.184	0.037	26	7	6	6 L
PL.44169	PL.43555	C	#1/0 ACSR	7.09Y	118.1	0.00	6.90	0.00	0	0	0	100	0.00	0.0	5.778	0.006	0	0	0	0
PD.6924	PL.44169	C	25QA	7.09Y	118.1	0.00	6.90	0.00	0	0	0	100	0.00	0.0	5.778	0.006	0	0	0	0
PL.44170	PD.6924	C	#1/0 ACSR	7.09Y	118.1	0.00	6.90	0.00	0	0	0	100	0.00	0.0	5.808	0.030	0	0	0	0
PL.44763	PL.44760	A	#1/0 ACSR	7.09Y	118.1	0.00	6.89	10.12	4	69	19	96	0.00	0.0	5.748	0.006	0	0	0	7
PD.6907	PL.44763	A	30T	7.09Y	118.1	0.00	6.89	10.12	0	69	19	96	0.00	0.0	5.748	0.006	0	0	0	7
PL.44764	PD.6907	A	#1/0 ACSR	7.09Y	118.1	0.01	6.90	10.12	4	69	19	96	0.01	0.0	5.800	0.052	8	2	1	7
PL.44765	PL.44764	A	#1/0 ACSR	7.09Y	118.1	0.01	6.91	8.91	4	61	16	97	0.00	0.0	5.841	0.041	0	0	0	6
PL.44770	PL.44765	A	6 A (CWC)	7.08Y	118.1	0.02	6.93	6.74	5	46	12	97	0.01	0.0	5.897	0.055	0	0	0	4
PL.44205	PL.44770	A	#2 ACSR	7.08Y	118.1	0.00	6.93	0.00	0	0	0	100	0.00	0.0	5.960	0.063	0	0	0	0
PL.44771	PL.44770	A	6 A (CWC)	7.08Y	118.0	0.04	6.97	6.74	5	46	12	97	0.02	0.0	6.040	0.143	0	0	0	4
L PL.44446	PL.44771	A	6 A (CWC)	7.08Y	118.0	0.04	7.01	6.74	5	46	12	97	0.01	0.0	6.195	0.155	24	6	1	4 L
L PL.44447	PL.44446	A	6 A (CWC)	7.08Y	118.0	0.01	7.01	3.27	2	22	6	96	0.00	0.0	6.247	0.052	5	1	1	3 L
L PL.44448	PL.44447	A	6 A (CWC)	7.08Y	118.0	0.01	7.02	2.57	2	18	5	96	0.00	0.0	6.315	0.068	0	0	0	2 L
L PL.44449	PL.44448	A	6 A (CWC)	7.08Y	118.0	0.00	7.02	2.57	2	18	5	96	0.00	0.0	6.357	0.042	0	0	0	2 L
L PL.44450	PL.44449	A	6 A (CWC)	7.08Y	118.0	0.00	7.03	0.98	1	7	2	96	0.00	0.0	6.421	0.064	7	2	1	1 L
L PL.59809	PL.44449	A	#2 ACSR	7.08Y	118.0	0.01	7.04	1.59	1	11	3	96	0.00	0.0	6.618	0.261	0	0	0	1 L
L PL.59810	PL.59809	A	#1/0 ACSR	7.08Y	118.0	0.00	7.04	0.00	0	0	0	100	0.00	0.0	6.630	0.013	0	0	0	0 L
L PL.62805	PL.59809	A	#1/0 ACSR	7.08Y	118.0	0.00	7.04	1.59	1	11	3	96	0.00	0.0	6.619	0.002	0	0	0	1 L
L PD.9449	PL.62805	A	15	7.08Y	118.0	0.00	7.04	1.59	11	11	3	96	0.00	0.0	6.619	0.002	0	0	0	1 L
L PL.59895	PD.9449	A	#1/0 ACSR	7.08Y	118.0	0.00	7.04	1.59	1	11	3	96	0.00	0.0	6.680	0.061	11	3	1	1 L
PL.44766	PL.44765	A	6 A (CWC)	7.09Y	118.1	0.00	6.91	2.17	2	15	4	97	0.00	0.0	5.873	0.032	0	0	0	2
PL.44767	PL.44766	A	6 A (CWC)	7.09Y	118.1	0.00	6.91	0.00	0	0	0	100	0.00	0.0	5.979	0.106	0	0	0	0
PL.44768	PL.44766	A	#4 ACSR	7.09Y	118.1	0.00	6.91	2.17	2	15	4	97	0.00	0.0	5.907	0.034	15	4	2	2
PL.44769	PL.44768	A	#4 ACSR	7.09Y	118.1	0.00	6.91	0.00	0	0	0	100	0.00	0.0	5.927	0.020	0	0	0	0
PL.64703	PL.64701	A	#1/0 ACSR	7.12Y	118.7	0.00	6.29	1.43	1	10	3	96	0.00	0.0	4.919	0.039	10	3	2	2

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

PL.41988	PL.41985	A	#1/0 ACSR	7.13Y	118.8	0.00	6.25	1.49	1	10	3	96	0.00	0.0	4.827	0.006	0	0	0	2
PD.6945	PL.41988	A	40QA	7.13Y	118.8	0.00	6.25	1.49	4	10	3	96	0.00	0.0	4.827	0.006	0	0	0	2
PL.41989	PD.6945	A	#1/0 ACSR	7.13Y	118.8	0.00	6.25	1.49	1	10	3	96	0.00	0.0	4.853	0.027	10	3	2	2
PL.41986	PL.41985	C	#1/0 ACSR	7.13Y	118.8	0.00	6.25	0.00	0	0	0	100	0.00	0.0	4.827	0.006	0	0	0	0
PD.6878	PL.41986	C	40QA	7.13Y	118.8	0.00	6.25	0.00	0	0	0	100	0.00	0.0	4.827	0.006	0	0	0	0
PL.41987	PD.6878	C	#1/0 ACSR	7.13Y	118.8	0.00	6.25	0.00	0	0	0	100	0.00	0.0	4.861	0.034	0	0	0	0
PL.44492	PL.44491	A	#4 ACSR	7.13Y	118.9	0.00	6.10	0.00	0	0	0	100	0.00	0.0	4.630	0.006	0	0	0	0
PD.6946	PL.44492	A	40QA	7.13Y	118.9	0.00	6.10	0.00	0	0	0	100	0.00	0.0	4.630	0.006	0	0	0	0
PL.44493	PD.6946	A	#4 ACSR	7.13Y	118.9	0.00	6.10	0.00	0	0	0	100	0.00	0.0	4.669	0.039	0	0	0	0
PL.44494	PL.44491	A	#4 ACSR	7.13Y	118.9	0.00	6.10	0.00	0	0	0	100	0.00	0.0	4.630	0.006	0	0	0	0
PD.6841	PL.44494	A	40QA	7.13Y	118.9	0.00	6.10	0.00	0	0	0	100	0.00	0.0	4.630	0.006	0	0	0	0
PL.44495	PD.6841	A	#4 ACSR	7.13Y	118.9	0.00	6.10	0.00	0	0	0	100	0.00	0.0	4.731	0.100	0	0	0	0
PL.44488	PL.44487	A	6 A (CWC)	7.15Y	119.1	0.00	5.91	3.30	2	23	6	97	0.00	0.0	4.386	0.006	0	0	0	4
PD.6909	PL.44488	A	40QA	7.15Y	119.1	0.00	5.91	3.30	8	23	6	97	0.00	0.0	4.386	0.006	0	0	0	4
PL.44489	PD.6909	A	6 A (CWC)	7.15Y	119.1	0.00	5.91	3.30	2	23	6	97	0.00	0.0	4.411	0.025	8	2	1	4
PL.44490	PL.44489	A	6 A (CWC)	7.15Y	119.1	0.00	5.91	2.10	2	15	4	97	0.00	0.0	4.462	0.051	15	4	3	3
PL.44484	PL.56293	C	#1/0 ACSR	7.15Y	119.2	0.00	5.83	0.00	0	0	0	100	0.00	0.0	4.286	0.006	0	0	0	0
PD.6842	PL.44484	C	40QA	7.15Y	119.2	0.00	5.83	0.00	0	0	0	100	0.00	0.0	4.286	0.006	0	0	0	0
PL.44485	PD.6842	C	#1/0 ACSR	7.15Y	119.2	0.00	5.83	0.00	0	0	0	100	0.00	0.0	4.294	0.008	0	0	0	0
PL.56297	PL.56291	B	6 A (CWC)	7.15Y	119.2	0.00	5.76	19.71	14	136	36	97	0.00	0.0	4.196	0.004	0	0	0	22
PD.8360	PL.56297	B	30T	7.15Y	119.2	0.00	5.76	19.71	0	136	36	97	0.00	0.0	4.196	0.004	0	0	0	22
PL.56294	PD.8360	B	6 A (CWC)	7.15Y	119.2	0.00	5.76	19.71	14	136	36	97	0.00	0.0	4.199	0.004	13	4	1	22
PL.56295	PL.56294	B	6 A (CWC)	7.15Y	119.2	0.01	5.77	3.42	2	24	6	97	0.00	0.0	4.232	0.033	1	0	1	3
PL.56296	PL.56295	B	6 A (CWC)	7.15Y	119.2	0.00	5.77	3.26	2	23	6	97	0.00	0.0	4.263	0.030	23	6	2	2
PL.56292	PL.56294	B	6 A (CWC)	7.15Y	119.2	0.07	5.83	14.39	10	100	27	97	0.05	0.1	4.301	0.102	0	0	0	18
PL.44472	PL.56292	B	6 A (CWC)	7.15Y	119.1	0.03	5.87	14.39	10	99	26	97	0.03	0.0	4.353	0.053	0	0	0	18
PL.42933	PL.44472	B	#4 ACSR	7.15Y	119.1	0.00	5.87	1.78	1	12	3	97	0.00	0.0	4.394	0.040	12	3	1	1
PL.44475	PL.44472	B	6 A (CWC)	7.14Y	119.1	0.05	5.92	10.62	8	73	19	97	0.03	0.0	4.469	0.116	3	1	2	13
PL.44476	PL.44475	B	6 A (CWC)	7.14Y	119.1	0.03	5.95	10.15	7	70	19	97	0.01	0.0	4.524	0.055	0	0	0	11
PL.59817	PL.44476	B	#1/0 ACSR	7.14Y	119.1	0.00	5.95	1.37	1	9	3	95	0.00	0.0	4.627	0.103	9	3	1	1
PL.59818	PL.59817	B	#1/0 ACSR	7.14Y	119.1	0.00	5.95	0.00	0	0	0	100	0.00	0.0	4.729	0.102	0	0	0	0

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

PL.44477	PL.44476	B	6 A (CWC)	7.14Y	119.0	0.02	5.97	7.23	5	50	13	97	0.01	0.0	4.591	0.067	5	1	1	8
PL.44478	PL.44477	B	6 A (CWC)	7.14Y	119.0	0.05	6.02	6.45	5	44	12	96	0.02	0.0	4.784	0.193	6	1	1	7
PL.44479	PL.44478	B	6 A (CWC)	7.14Y	118.9	0.03	6.05	5.65	4	39	10	97	0.01	0.0	4.906	0.122	0	0	0	6
PL.43797	PL.44479	B	#4 ACSR	7.14Y	118.9	0.00	6.05	1.30	1	9	2	98	0.00	0.0	4.966	0.060	9	2	1	1
PL.44480	PL.44479	B	6 A (CWC)	7.14Y	118.9	0.01	6.06	4.35	3	30	8	97	0.00	0.0	4.947	0.041	1	0	1	5
PL.44481	PL.44480	B	6 A (CWC)	7.14Y	118.9	0.01	6.07	4.26	3	29	8	96	0.00	0.0	5.017	0.070	0	0	1	4
PL.44482	PL.44481	B	6 A (CWC)	7.13Y	118.9	0.02	6.09	4.24	3	29	8	96	0.00	0.0	5.126	0.109	0	0	0	3
PL.44483	PL.44482	B	6 A (CWC)	7.13Y	118.9	0.00	6.10	1.11	1	8	2	97	0.00	0.0	5.205	0.079	8	2	1	1
PL.43603	PL.44482	B	#4 ACSR	7.13Y	118.9	0.01	6.11	3.13	2	22	6	96	0.00	0.0	5.294	0.168	22	6	2	2
PL.41997	PL.44476	B	#2 ACSR	7.14Y	119.1	0.00	5.95	1.52	1	11	3	96	0.00	0.0	4.568	0.044	11	3	1	1
PL.72543	PL.44476	B	#1/0 ACSR	7.14Y	119.1	0.00	5.95	0.03	0	0	0	100	0.00	0.0	4.589	0.065	0	0	1	1
PL.72544	PL.72543	B	#1/0 ACSR	7.14Y	119.1	0.00	5.95	0.00	0	0	0	100	0.00	0.0	4.589	0.000	0	0	0	0
P PL.63484	PL.44475	B	#1/0 ACSR	7.14Y	119.1	0.00	5.92	-0.04	0	0	0	100	0.00	0.0	4.472	0.003	0	0	0	0 P
PD.9521	PL.63484	B	15T	7.14Y	119.1	0.00	5.92	-0.04	0	0	0	100	0.00	0.0	4.472	0.003	0	0	0	0
P PL.63485	PD.9521	B	#1/0 ACSR	7.14Y	119.1	-0.00	5.92	-0.04	0	0	0	100	0.00	0.0	4.500	0.028	0	0	0	0 P
P PL.64534	PL.63485	B	1/0 AL URD	7.14Y	119.1	-0.00	5.92	-0.04	0	0	0	100	0.00	0.0	4.570	0.070	0	0	0	0 P
PL.44473	PL.44472	B	6 A (CWC)	7.15Y	119.1	0.00	5.87	2.00	1	14	4	96	0.00	0.0	4.359	0.006	0	0	0	4
PD.6948	PL.44473	B	40QA	7.15Y	119.1	0.00	5.87	2.00	5	14	4	96	0.00	0.0	4.359	0.006	0	0	0	4
PL.44474	PD.6948	B	6 A (CWC)	7.15Y	119.1	0.00	5.87	2.00	1	14	4	96	0.00	0.0	4.383	0.024	6	2	1	4
PL.64528	PL.44474	B	6 A (CWC)	7.15Y	119.1	0.00	5.87	1.12	1	8	2	97	0.00	0.0	4.444	0.061	0	0	0	3
PL.64530	PL.64528	B	#1/0 ACSR	7.15Y	119.1	0.00	5.87	0.86	0	6	2	95	0.00	0.0	4.523	0.080	6	2	2	2
PL.64529	PL.64528	B	6 A (CWC)	7.15Y	119.1	0.00	5.87	0.26	0	2	0	100	0.00	0.0	4.521	0.078	2	0	1	1
PL.43900	PL.44274	ABC	#4 ACSR	7.17Y	119.5	0.00	5.50	2.73	2	55	19	95	0.00	0.0	4.068	0.006	0	0	0	6
PD.6937	PL.43900	ABC	40QA	7.17Y	119.5	0.00	5.50	2.73	7	55	19	95	0.00	0.0	4.068	0.006	0	0	0	6
PL.44415	PD.6937	ABC	#4 ACSR	7.17Y	119.5	0.01	5.51	2.73	2	55	19	95	0.01	0.0	4.205	0.137	0	0	0	6
PL.42977	PL.44415	C	#4 ACSR	7.17Y	119.5	0.01	5.52	2.28	2	16	4	97	0.00	0.0	4.399	0.194	16	4	2	2
PL.44416	PL.44415	ABC	#4 ACSR	7.17Y	119.5	0.00	5.51	0.91	1	19	5	97	0.00	0.0	4.320	0.114	12	3	1	3
PL.44417	PL.44416	ABC	#4 ACSR	7.17Y	119.5	0.00	5.51	0.34	0	7	2	96	0.00	0.0	4.377	0.057	4	1	1	2
PL.44418	PL.44417	ABC	#4 ACSR	7.17Y	119.5	0.00	5.51	0.13	0	3	1	95	0.00	0.0	4.446	0.069	3	1	1	1
PL.43773	PL.44415	ABC	#4 ACSR	7.17Y	119.5	0.00	5.51	1.07	1	21	10	90	0.00	0.0	4.278	0.072	21	10	1	1
PL.44746	PL.44274	A	6 A (CWC)	7.17Y	119.5	0.00	5.50	2.16	2	15	4	97	0.00	0.0	4.068	0.006	0	0	0	2

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

Balanced Voltage Drop Report
Source: Maplesville

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.6965	PL.44746	A	40QA	7.17Y	119.5	0.00	5.50	2.16	5	15	4	97	0.00	0.0	4.068	0.006	0	0	0	2
PL.43901	PD.6965	A	6 A (CWC)	7.17Y	119.5	0.01	5.51	2.16	2	15	4	97	0.00	0.0	4.176	0.108	4	1	1	2
PL.43902	PL.43901	A	6 A (CWC)	7.17Y	119.5	0.00	5.51	1.54	1	11	3	96	0.00	0.0	4.214	0.038	11	3	1	1
PL.43588	PL.43587	A	6 A (CWC)	7.18Y	119.7	0.00	5.29	3.30	2	23	6	97	0.00	0.0	3.858	0.006	0	0	0	2
PD.6964	PL.43588	A	40QA	7.18Y	119.7	0.00	5.29	3.30	8	23	6	97	0.00	0.0	3.858	0.006	0	0	0	2
PL.44271	PD.6964	A	6 A (CWC)	7.18Y	119.7	0.01	5.30	3.30	2	23	6	97	0.00	0.0	3.951	0.093	15	4	1	2
PL.44272	PL.44271	A	6 A (CWC)	7.18Y	119.7	0.01	5.30	1.08	1	7	2	96	0.00	0.0	4.170	0.219	7	2	1	1
PL.43602	PL.42003	B	#2 ACSR	7.19Y	119.8	0.00	5.23	0.00	0	0	0	100	0.00	0.0	3.869	0.074	0	0	0	0
PL.43911	PL.43909	C	#4 ACSR	7.25Y	120.8	0.00	4.16	0.78	1	5	1	98	0.00	0.0	2.863	0.006	0	0	0	2
PD.6901	PL.43911	C	40QA	7.25Y	120.8	0.00	4.16	0.78	2	5	1	98	0.00	0.0	2.863	0.006	0	0	0	2
PL.43912	PD.6901	C	#4 ACSR	7.25Y	120.8	0.00	4.16	0.78	1	5	1	98	0.00	0.0	2.900	0.038	5	1	2	2
PL.43907	PL.43906	C	#4 ACSR	7.26Y	121.0	0.00	4.04	0.97	1	7	2	96	0.00	0.0	2.774	0.006	0	0	0	1
PD.6970	PL.43907	C	40QA	7.26Y	121.0	0.00	4.04	0.97	2	7	2	96	0.00	0.0	2.774	0.006	0	0	0	1
PL.43908	PD.6970	C	#4 ACSR	7.26Y	121.0	0.00	4.04	0.97	1	7	2	96	0.00	0.0	2.821	0.048	7	2	1	1
PL.43904	PL.43903	C	#4 ACSR	7.26Y	121.0	0.00	3.95	2.65	2	19	5	97	0.00	0.0	2.703	0.006	0	0	0	2
PD.6956	PL.43904	C	40QA	7.26Y	121.0	0.00	3.95	2.65	7	19	5	97	0.00	0.0	2.703	0.006	0	0	0	2
PL.43905	PD.6956	C	#4 ACSR	7.26Y	121.0	0.00	3.95	2.65	2	19	5	97	0.00	0.0	2.752	0.049	19	5	2	2
PL.59804	PL.59805	A	#4 ACSR	7.33Y	122.2	0.00	2.82	2.65	2	19	5	97	0.00	0.0	1.907	0.054	19	5	2	2
PL.44264	PL.44147	B	#2 ACSR	7.36Y	122.6	0.00	2.35	1.74	1	12	3	97	0.00	0.0	1.556	0.037	12	3	2	2
PL.42511	PL.44147	B	#2 ACSR	7.36Y	122.6	0.00	2.35	0.96	1	7	2	96	0.00	0.0	1.580	0.061	7	2	1	1
PL.44145	PL.44144	C	#2 ACSR	7.36Y	122.7	0.00	2.30	0.00	0	0	0	100	0.00	0.0	1.485	0.006	0	0	0	0
PD.6843	PL.44145	C	30QA	7.36Y	122.7	0.00	2.30	0.00	0	0	0	100	0.00	0.0	1.485	0.006	0	0	0	0
PL.44146	PD.6843	C	#2 ACSR	7.36Y	122.7	0.00	2.30	0.00	0	0	0	100	0.00	0.0	1.590	0.105	0	0	0	0
PL.42935	PL.44143	A	#4 ACSR	7.37Y	122.8	0.00	2.23	0.73	1	5	1	98	0.00	0.0	1.502	0.068	5	1	1	1
PL.44434	PL.44433	B	#2 ACSR	7.38Y	123.0	0.04	2.03	38.99	22	278	76	96	0.08	0.0	1.294	0.032	0	0	0	38
PL.43554	PL.44434	B	#2 ACSR	7.38Y	123.0	0.00	2.03	0.31	0	2	1	89	0.00	0.0	1.331	0.037	2	1	1	1
PL.44435	PL.44434	B	#2 ACSR	7.38Y	122.9	0.02	2.05	38.68	22	275	75	96	0.05	0.0	1.314	0.020	0	0	0	37
PL.44436	PL.44435	B	6 A (CWC)	7.38Y	122.9	0.01	2.06	38.68	28	275	75	96	0.02	0.0	1.319	0.006	0	0	0	37
C PD.6825	PL.44436	B	50L	7.38Y	122.9	0.00	2.06	38.68	77	275	75	96	0.00	0.0	1.319	0.006	0	0	0	37 C
PL.44437	PD.6825	B	6 A (CWC)	7.37Y	122.9	0.09	2.15	38.68	28	275	75	96	0.18	0.1	1.369	0.050	0	0	0	37
PL.44157	PL.44437	B	#4 ACSR	7.37Y	122.8	0.00	2.15	1.34	1	10	3	96	0.00	0.0	1.495	0.126	10	3	1	1

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Balanced Voltage Drop Report
Source: Maplesville

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.44438	PL.44437	B	6 A (CWC)	7.35Y	122.4	0.43	2.58	37.34	27	265	73	96	0.86	0.3	1.622	0.253	0	0	0	36
PL.44439	PL.44438	B	6 A (CWC)	7.34Y	122.3	0.09	2.67	35.46	25	251	69	96	0.17	0.1	1.678	0.057	0	0	0	35
PL.42514	PL.44439	B	#2 ACSR	7.34Y	122.3	0.00	2.67	0.00	0	0	0	100	0.00	0.0	1.764	0.085	0	0	0	0
PL.43075	PL.44439	B	6 A (CWC)	7.34Y	122.3	0.00	2.67	0.00	0	0	0	100	0.00	0.0	1.773	0.095	0	0	0	0
PL.44440	PL.44439	B	6 A (CWC)	7.33Y	122.2	0.08	2.76	35.46	25	251	69	96	0.16	0.1	1.732	0.053	9	2	1	35
PL.44441	PL.44440	B	6 A (CWC)	7.32Y	122.0	0.23	2.98	33.43	24	237	65	96	0.40	0.2	1.883	0.151	9	2	2	33
PL.44442	PL.44441	B	6 A (CWC)	7.31Y	121.9	0.13	3.11	32.21	23	228	62	96	0.22	0.1	1.969	0.087	0	0	0	31
PL.44443	PL.44442	B	6 A (CWC)	7.30Y	121.7	0.17	3.28	32.21	23	227	62	96	0.28	0.1	2.088	0.118	14	4	2	31
PL.44444	PL.44443	B	6 A (CWC)	7.29Y	121.6	0.14	3.42	28.98	21	204	56	96	0.21	0.1	2.193	0.105	0	0	0	28
PL.44445	PL.44444	B	6 A (CWC)	7.29Y	121.5	0.09	3.51	28.12	20	198	54	96	0.14	0.1	2.264	0.072	3	1	1	27
PL.44087	PL.44445	B	6 A (CWC)	7.28Y	121.4	0.08	3.59	26.61	19	187	51	96	0.11	0.1	2.328	0.063	0	0	0	25
PL.59813	PL.44087	B	#1/0 ACSR	7.28Y	121.4	0.00	3.59	1.66	1	12	3	97	0.00	0.0	2.346	0.018	12	3	1	1
PL.44088	PL.44087	B	6 A (CWC)	7.28Y	121.4	0.03	3.62	24.95	18	175	48	96	0.04	0.0	2.357	0.030	0	0	0	24
PL.44089	PL.44088	B	6 A (CWC)	7.28Y	121.3	0.06	3.69	24.95	18	175	48	96	0.09	0.0	2.414	0.057	0	0	0	24
PL.44090	PL.44089	B	6 A (CWC)	7.26Y	120.9	0.38	4.06	24.95	18	175	48	96	0.50	0.3	2.744	0.330	0	0	0	24
PL.44091	PL.44090	B	6 A (CWC)	7.25Y	120.8	0.09	4.15	24.57	18	172	47	96	0.12	0.1	2.825	0.082	0	0	0	23
PL.43575	PL.44091	B	#2 ACSR	7.25Y	120.8	0.00	4.15	0.00	0	0	0	100	0.00	0.0	2.901	0.076	0	0	1	1
PL.44092	PL.44091	B	#4 ACSR	7.22Y	120.3	0.52	4.67	24.57	19	172	46	97	0.67	0.4	3.316	0.490	11	3	1	22
PL.64815	PL.44092	B	6 A (CWC)	7.22Y	120.3	0.06	4.73	11.87	8	83	22	97	0.04	0.0	3.427	0.111	0	0	0	13
PL.64816	PL.64815	B	6 A (CWC)	7.22Y	120.3	0.00	4.73	11.87	8	83	22	97	0.00	0.0	3.427	0.000	8	2	1	13
PL.64817	PL.64816	B	6 A (CWC)	7.21Y	120.2	0.09	4.82	10.79	8	75	20	97	0.05	0.1	3.600	0.173	0	0	0	12
PL.43488	PL.64817	B	6 A (CWC)	7.21Y	120.2	0.03	4.84	10.79	8	75	20	97	0.01	0.0	3.653	0.053	0	0	0	12
PL.43491	PL.43488	B	#4 ACSR	7.21Y	120.1	0.01	4.86	7.16	6	50	13	97	0.00	0.0	3.700	0.047	9	2	1	5
PL.43290	PL.43491	B	#4 ACSR	7.21Y	120.1	0.01	4.87	5.89	5	41	11	97	0.00	0.0	3.731	0.031	0	0	0	4
PL.57910	PL.43290	B	#4 ACSR	7.21Y	120.1	0.01	4.88	5.32	4	37	10	97	0.00	0.0	3.781	0.050	0	0	0	3
PL.57911	PL.57910	B	#4 ACSR	7.20Y	120.1	0.05	4.93	5.32	4	37	10	97	0.01	0.0	3.998	0.217	3	1	1	3
PL.43291	PL.57911	B	#4 ACSR	7.20Y	120.0	0.05	4.97	4.83	4	34	9	97	0.01	0.0	4.219	0.221	0	0	0	2
PL.43292	PL.43291	B	#4 ACSR	7.20Y	120.0	0.00	4.97	0.00	0	0	0	100	0.00	0.0	4.318	0.099	0	0	0	0
PL.42979	PL.43292	B	#4 ACSR	7.20Y	120.0	0.00	4.97	0.00	0	0	0	100	0.00	0.0	4.487	0.170	0	0	0	0
PL.43293	PL.43291	B	#4 ACSR	7.20Y	120.0	0.01	4.98	4.83	4	34	9	97	0.00	0.0	4.281	0.062	19	5	1	2
PL.43294	PL.43293	B	#4 ACSR	7.20Y	120.0	0.00	4.99	2.11	2	15	4	97	0.00	0.0	4.355	0.074	15	4	1	1

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.43492	PL.43290	B	#4 ACSR	7.21Y	120.1	0.00	4.87	0.57	0	4	1	97	0.00	0.0	3.913	0.182	4	1	1	1
PL.43489	PL.43488	B	#4 ACSR	7.21Y	120.1	0.01	4.86	3.27	3	23	6	97	0.00	0.0	3.751	0.098	0	0	0	5
PL.43018	PL.43489	B	#4 ACSR	7.21Y	120.1	0.00	4.86	1.44	1	10	3	96	0.00	0.0	3.861	0.110	10	3	1	1
PL.43490	PL.43489	B	#4 ACSR	7.21Y	120.1	0.00	4.86	0.80	1	6	1	99	0.00	0.0	3.810	0.059	1	0	1	3
PL.63194	PL.43490	B	#1/0 ACSR	7.21Y	120.1	0.01	4.87	0.71	0	5	1	98	0.00	0.0	4.149	0.339	0	0	0	2
PL.63196	PL.63194	B	#1/0 ACSR	7.21Y	120.1	0.00	4.87	0.00	0	0	0	100	0.00	0.0	4.261	0.112	0	0	1	1
PL.63195	PL.63194	B	#1/0 ACSR	7.21Y	120.1	0.00	4.87	0.71	0	5	1	98	0.00	0.0	4.256	0.107	5	1	1	1
PL.52085	PL.63195	B	#1/0 ACSR	7.21Y	120.1	0.00	4.87	0.00	0	0	0	100	0.00	0.0	4.315	0.060	0	0	0	0
PL.42509	PL.43489	B	#4 ACSR	7.21Y	120.1	0.00	4.86	1.03	1	7	2	96	0.00	0.0	3.802	0.051	7	2	1	1
PL.43568	PL.43488	B	#4 ACSR	7.21Y	120.2	0.00	4.85	0.35	0	2	1	89	0.00	0.0	3.886	0.233	2	1	1	2
PL.52086	PL.43568	B	#2 ACSR	7.21Y	120.2	0.00	4.85	0.07	0	0	0	100	0.00	0.0	3.964	0.078	0	0	0	1
PL.52087	PL.52086	B	#2 ACSR	7.21Y	120.2	0.00	4.85	0.07	0	0	0	100	0.00	0.0	4.055	0.091	0	0	1	1
PL.44093	PL.44092	B	6 A (CWC)	7.22Y	120.3	0.02	4.70	11.18	8	78	21	97	0.01	0.0	3.360	0.044	0	0	0	8
PL.64711	PL.44093	B	6 A (CWC)	7.22Y	120.3	0.02	4.72	11.18	8	78	21	97	0.01	0.0	3.403	0.043	0	0	0	8
PL.64712	PL.64711	B	6 A (CWC)	7.22Y	120.3	0.01	4.73	8.93	6	62	17	96	0.01	0.0	3.434	0.031	3	1	1	7
PL.44329	PL.64712	B	6 A (CWC)	7.21Y	120.2	0.06	4.79	8.54	6	60	16	97	0.03	0.0	3.593	0.159	3	1	1	6
PL.44094	PL.44329	B	6 A (CWC)	7.21Y	120.2	0.03	4.82	8.15	6	57	15	97	0.01	0.0	3.679	0.086	11	3	1	5
PL.44095	PL.44094	B	6 A (CWC)	7.21Y	120.2	0.03	4.85	4.07	3	28	8	96	0.01	0.0	3.863	0.184	10	3	1	3
PL.44096	PL.44095	B	6 A (CWC)	7.21Y	120.1	0.02	4.86	2.62	2	18	5	96	0.00	0.0	3.997	0.134	0	0	0	2
PL.44097	PL.44096	B	6 A (CWC)	7.21Y	120.1	0.00	4.86	0.54	0	4	1	97	0.00	0.0	4.087	0.090	4	1	1	1
PL.43295	PL.44096	B	6 A (CWC)	7.21Y	120.1	0.01	4.87	2.07	1	14	4	96	0.00	0.0	4.166	0.169	14	4	1	1
PL.43019	PL.44094	B	6 A (CWC)	7.21Y	120.2	0.01	4.82	2.44	2	17	5	96	0.00	0.0	3.770	0.091	17	5	1	1
PL.64713	PL.64711	B	#1/0 ACSR	7.22Y	120.3	0.00	4.72	2.25	1	16	4	97	0.00	0.0	3.415	0.012	16	4	1	1
PL.43574	PL.44090	B	#4 ACSR	7.26Y	120.9	0.00	4.06	0.38	0	3	1	95	0.00	0.0	2.822	0.078	3	1	1	1
PL.44203	PL.44445	B	#4 ACSR	7.29Y	121.5	0.00	3.51	1.04	1	7	2	96	0.00	0.0	2.356	0.092	7	2	1	1
PL.42975	PL.44444	B	#4 ACSR	7.29Y	121.6	0.00	3.42	0.86	1	6	2	95	0.00	0.0	2.253	0.060	6	2	1	1
PL.59808	PL.44443	B	#1/0 ACSR	7.30Y	121.7	0.00	3.28	1.25	1	9	2	98	0.00	0.0	2.170	0.082	9	2	1	1
PL.43078	PL.44440	B	#4 ACSR	7.33Y	122.2	0.00	2.76	0.77	1	5	1	98	0.00	0.0	1.777	0.045	5	1	1	1
PL.44172	PL.44438	B	#2 ACSR	7.34Y	122.4	0.01	2.59	1.88	1	13	4	96	0.00	0.0	1.828	0.206	13	4	1	1
PL.41996	PL.44437	B	#4 ACSR	7.37Y	122.9	0.00	2.15	0.00	0	0	0	100	0.00	0.0	1.434	0.065	0	0	0	0
PL.62862	PL.44136	B	#2 ACSR	7.44Y	124.1	0.02	0.93	20.42	12	147	40	96	0.02	0.0	0.589	0.033	0	0	0	19

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: Maplesville

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.9435	PL.62862	B	50L	7.44Y	124.1	0.00	0.93	20.42	41	147	40	96	0.00	0.0	0.589	0.033	0	0	0	19
PL.62863	PD.9435	B	#2 ACSR	7.44Y	124.0	0.06	0.99	20.42	12	147	40	96	0.06	0.0	0.688	0.099	7	2	1	19
PL.43408	PL.62863	B	6 A (CWC)	7.44Y	123.9	0.08	1.07	19.51	14	140	38	97	0.08	0.1	0.780	0.092	0	0	0	18
PL.62861	PL.43408	B	6 A (CWC)	7.43Y	123.9	0.06	1.13	19.51	14	140	38	97	0.06	0.0	0.852	0.072	16	4	1	18
PL.43877	PL.62861	B	6 A (CWC)	7.43Y	123.8	0.03	1.16	17.22	12	124	33	97	0.02	0.0	0.886	0.034	10	3	1	17
PL.43878	PL.43877	B	6 A (CWC)	7.43Y	123.8	0.05	1.21	15.77	11	113	30	97	0.04	0.0	0.958	0.071	0	0	0	16
PL.44252	PL.43878	B	#4 ACSR	7.43Y	123.8	0.00	1.21	0.99	1	7	2	96	0.00	0.0	1.081	0.124	7	2	2	2
PL.43879	PL.43878	B	#4 ACSR	7.43Y	123.8	0.01	1.21	1.41	1	10	3	96	0.00	0.0	1.089	0.131	4	1	1	2
PL.43880	PL.43879	B	#4 ACSR	7.43Y	123.8	0.00	1.21	0.84	1	6	2	95	0.00	0.0	1.181	0.093	6	2	1	1
PL.43881	PL.43878	B	6 A (CWC)	7.42Y	123.7	0.12	1.32	13.37	10	96	26	97	0.08	0.1	1.165	0.208	17	5	1	12
PL.43882	PL.43881	B	6 A (CWC)	7.42Y	123.7	0.01	1.33	2.71	2	19	5	97	0.00	0.0	1.234	0.068	0	0	0	2
PL.44029	PL.43882	B	6 A (CWC)	7.42Y	123.7	0.00	1.33	2.71	2	19	5	97	0.00	0.0	1.290	0.056	19	5	2	2
PL.44030	PL.43881	B	6 A (CWC)	7.42Y	123.7	0.03	1.35	8.25	6	59	16	97	0.01	0.0	1.236	0.070	0	0	0	9
PL.44031	PL.44030	B	6 A (CWC)	7.42Y	123.6	0.01	1.35	7.27	5	52	14	97	0.00	0.0	1.256	0.020	11	3	2	8
PL.44032	PL.44031	B	6 A (CWC)	7.42Y	123.6	0.01	1.37	5.76	4	41	11	97	0.00	0.0	1.317	0.061	14	4	1	6
PL.44033	PL.44032	B	6 A (CWC)	7.42Y	123.6	0.01	1.38	3.87	3	28	7	97	0.00	0.0	1.373	0.056	0	0	0	5
PL.44034	PL.44033	B	6 A (CWC)	7.42Y	123.6	0.00	1.38	2.30	2	17	4	97	0.00	0.0	1.418	0.045	3	1	1	4
PL.43986	PL.44034	B	6 A (CWC)	7.42Y	123.6	0.00	1.38	1.07	1	8	2	97	0.00	0.0	1.506	0.087	8	2	2	2
PL.64094	PL.44034	B	6 A (CWC)	7.42Y	123.6	0.00	1.39	0.82	1	6	2	95	0.00	0.0	1.506	0.088	0	0	0	1
PL.64096	PL.64094	B	#1/0 ACSR	7.42Y	123.6	0.00	1.39	0.82	0	6	2	95	0.00	0.0	1.579	0.072	6	2	1	1
PL.64095	PL.64094	B	6 A (CWC)	7.42Y	123.6	0.00	1.39	0.00	0	0	0	100	0.00	0.0	1.621	0.114	0	0	0	0
PL.42510	PL.44033	B	#4 ACSR	7.42Y	123.6	0.00	1.38	1.57	1	11	3	96	0.00	0.0	1.428	0.055	11	3	1	1
PL.43601	PL.44030	B	6 A (CWC)	7.42Y	123.6	0.00	1.35	0.98	1	7	2	96	0.00	0.0	1.300	0.064	7	2	1	1
PL.62465	PL.44136	C	#2 ACSR	7.45Y	124.1	0.00	0.90	1.38	1	10	3	96	0.00	0.0	0.560	0.003	0	0	0	1
PD.9345	PL.62465	C	20T	7.45Y	124.1	0.00	0.90	1.38	0	10	3	96	0.00	0.0	0.560	0.003	0	0	0	1
PL.62466	PD.9345	C	#2 ACSR	7.45Y	124.1	0.00	0.91	1.38	1	10	3	96	0.00	0.0	0.626	0.067	10	3	1	1
PL.43796	PL.44136	B	#2 ACSR	7.45Y	124.1	0.00	0.91	2.52	1	18	5	96	0.00	0.0	0.608	0.051	18	5	1	1
PL.44251	PL.44135	C	#2 ACSR	7.45Y	124.2	0.00	0.80	0.00	0	0	0	100	0.00	0.0	0.508	0.017	0	0	0	0
PL.44165	PL.44164	C	#2 ACSR	7.49Y	124.9	0.00	0.14	5.01	3	36	10	96	0.00	0.0	0.092	0.006	0	0	0	4
PD.6944	PL.44165	C	60QA	7.49Y	124.9	0.00	0.14	5.01	8	36	10	96	0.00	0.0	0.092	0.006	0	0	0	4
PL.63152	PD.6944	C	#2 ACSR	7.49Y	124.8	0.02	0.16	5.01	3	36	10	96	0.01	0.0	0.219	0.126	0	0	0	4

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Balanced Voltage Drop Report
Source: Maplesville

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.63154	PL.63152	C	#1/0 ACSR	7.49Y	124.8	0.00	0.16	0.00	0	0	0	100	0.00	0.0	0.246	0.027	0	0	0	0
PL.63155	PL.63154	C	#1/0 ACSR	7.49Y	124.8	0.00	0.16	0.00	0	0	0	100	0.00	0.0	0.274	0.028	0	0	0	0
PL.63153	PL.63152	C	#2 ACSR	7.49Y	124.8	0.01	0.17	5.01	3	36	10	96	0.00	0.0	0.271	0.053	0	0	0	4
PL.57684	PL.63153	C	#2 ACSR	7.49Y	124.8	0.00	0.18	1.13	1	8	2	97	0.00	0.0	0.522	0.251	8	2	1	1
PL.59795	PL.63153	C	#2 ACSR	7.49Y	124.8	0.00	0.18	3.88	2	28	8	96	0.00	0.0	0.303	0.032	0	0	0	3
PL.59797	PL.59795	C	#1/0 ACSR	7.49Y	124.8	0.00	0.18	1.68	1	12	3	97	0.00	0.0	0.363	0.060	12	3	1	1
PL.59796	PL.59795	C	#2 ACSR	7.49Y	124.8	0.00	0.18	2.20	1	16	4	97	0.00	0.0	0.344	0.041	16	4	2	2

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

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load	Losses	Total			
KW	9672	0	0	0	0	0	467		0.00	10138	Lowest Voltage = 115.53 on Element PL.43573		
KVAR	2673	0	0	-5	0	0	668			3337	Max Accm VoltD = 9.47 on Element PL.43573		
											Max Elem VoltD = 0.86 on Element PL.43781		