Balanced Voltage Drop Report
Source: Conway

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
Conway		ABC	SRC-Conway	7.50Y	125.0	0.00	0.00	377.38	0	8066	2654	95	0.00	0.0	0.000	0.000	0	0	0	1275	
PL.62144	Conway	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	79.58	15	1712	524	96	0.03	0.0	0.006	0.006	0	0	0	242	
PL.62150	PL.62144	ABC	336 MCM AC	7.50Y	125.0	0.01	0.01	79.58	15	1712	524	96	0.05	0.0	0.015	0.009	0	0	0	242	
---------- Feeder No. 2 (Flat Gap F2) Beginning with Device PD.9331 ----------																					
PD.9331	PL.62150	ABC	480VWE	7.50Y	125.0	0.00	0.01	79.58	0	1712	523	96	0.00	0.0	0.015	0.009	0	0	0	242	
PL.62149	PD.9331	ABC	336 MCM AC	7.50Y	125.0	0.03	0.04	79.58	15	1712	523	96	0.29	0.0	0.070	0.055	0	0	0	242	
PL.62148	PL.62149	ABC	336 MCM AC	7.49Y	124.8	0.19	0.23	79.58	15	1712	523	96	1.65	0.1	0.379	0.310	0	0	0	242	
PL.62147	PL.62148	ABC	336 MCM AC	7.48Y	124.7	0.03	0.26	79.58	15	1710	519	96	0.23	0.0	0.422	0.043	5	1	2	242	
PL.62145	PL.62147	C	#4 ACSR	7.48Y	124.7	0.00	0.26	0.14	0	1	0	100	0.00	0.0	0.426	0.004	0	0	0	1	
PD.9313	PL.62145	C	40QA	7.48Y	124.7	0.00	0.26	0.14	0	1	0	100	0.00	0.0	0.426	0.004	0	0	0	1	
PL.62126	PD.9313	C	#4 ACSR	7.48Y	124.7	0.00	0.26	0.14	0	1	0	100	0.00	0.0	0.453	0.027	1	0	1	1	
PL.62146	PL.62147	ABC	336 MCM AC	7.48Y	124.7	0.02	0.28	79.31	15	1704	517	96	0.17	0.0	0.454	0.032	0	0	1	239	
PL.62132	PL.62146	ABC	336 MCM AC	7.48Y	124.6	0.11	0.39	79.30	15	1704	516	96	0.95	0.1	0.635	0.181	13	4	1	238	
PL.62133	PL.62132	ABC	336 MCM AC	7.47Y	124.6	0.04	0.42	78.48	15	1685	509	96	0.32	0.0	0.697	0.062	0	0	0	236	
PL.37642	PL.62133	ABC	#1/0 ACSR	7.47Y	124.5	0.04	0.46	78.25	34	1680	507	96	0.46	0.0	0.725	0.028	0	0	0	235	
PL.37362	PL.37642	A	#2 ACSR	7.47Y	124.5	0.00	0.46	2.67	2	19	6	95	0.00	0.0	0.726	0.001	0	0	0	2	
PD.6082	PL.37362	A	60QA	7.47Y	124.5	0.00	0.46	2.67	4	19	6	95	0.00	0.0	0.726	0.001	0	0	0	2	
PL.37363	PD.6082	A	#2 ACSR	7.47Y	124.5	0.00	0.46	2.67	2	19	6	95	0.00	0.0	0.740	0.014	19	6	2	2	
PL.36735	PL.37642	ABC	#1/0 ACSR	7.47Y	124.5	0.06	0.53	77.37	34	1660	500	96	0.73	0.0	0.772	0.046	30	9	3	233	
PL.59576	PL.36735	ABC	#1/0 ACSR	7.47Y	124.4	0.04	0.57	75.98	33	1630	491	96	0.42	0.0	0.799	0.027	0	0	0	230	
PL.59577	PL.59576	ABC	#1/0 ACSR	7.46Y	124.4	0.07	0.64	75.16	33	1612	485	96	0.80	0.0	0.852	0.053	0	0	0	227	
PL.59573	PL.59577	ABC	#1/0 ACSR	7.46Y	124.3	0.06	0.70	75.16	33	1611	485	96	0.62	0.0	0.893	0.041	0	0	0	227	
PL.59574	PL.59573	A	#2 ACSR	7.46Y	124.3	0.00	0.70	3.23	2	23	7	96	0.00	0.0	0.911	0.018	23	7	2	2	
PL.36745	PL.59574	A	#2 ACSR	7.46Y	124.3	0.00	0.70	0.00	0	0	0	100	0.00	0.0	0.940	0.028	0	0	0	0	
PL.59572	PL.59573	ABC	#1/0 ACSR	7.46Y	124.3	0.01	0.71	52.91	23	1134	341	96	0.08	0.0	0.904	0.011	0	0	0	154	
PL.37038	PL.59572	ABC	#1/0 ACSR	7.46Y	124.3	0.04	0.75	52.91	23	1134	341	96	0.33	0.0	0.948	0.044	0	0	0	154	
PL.37391	PL.37038	ABC	#1/0 ACSR	7.45Y	124.2	0.05	0.80	52.78	23	1130	340	96	0.40	0.0	1.002	0.053	0	0	0	153	
PL.38121	PL.37391	ABC	#1/0 ACSR	7.45Y	124.1	0.06	0.86	52.14	23	1116	335	96	0.46	0.0	1.066	0.064	22	7	3	152	
PL.38122	PL.38121	ABC	#1/0 ACSR	7.44Y	124.0	0.12	0.98	51.09	22	1093	328	96	0.89	0.1	1.194	0.129	0	0	0	149	
C PD.5912	PL.38122	ABC	50L	7.44Y	124.0	0.00	0.98	51.09	102	1093	327	96	0.00	0.0	1.194	0.129	0	0	0	149	C

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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Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.38123	PD.5912	ABC	#1/0 ACSR	7.44Y	124.0	0.00	0.98	51.09	22	1093	327	96	0.01	0.0	1.195	0.001	0	0	0	149
PL.37834	PL.38123	ABC	#1/0 ACSR	7.44Y	124.0	0.03	1.01	51.09	22	1093	327	96	0.25	0.0	1.231	0.036	0	0	0	149
PL.38707	PL.37834	ABC	#1/0 ACSR	7.43Y	123.8	0.15	1.17	48.81	21	1043	313	96	1.08	0.1	1.401	0.170	0	0	0	142
PL.38705	PL.38707	A	#2 ACSR	7.43Y	123.8	0.00	1.17	0.51	0	4	1	97	0.00	0.0	1.404	0.002	0	0	0	1
PD.5960	PL.38705	A	40QA	7.43Y	123.8	0.00	1.17	0.51	1	4	1	97	0.00	0.0	1.404	0.002	0	0	0	1
PL.38706	PD.5960	A	#2 ACSR	7.43Y	123.8	0.00	1.17	0.51	0	4	1	97	0.00	0.0	1.457	0.053	4	1	1	1
PL.37679	PL.38707	ABC	#1/0 ACSR	7.43Y	123.8	0.04	1.21	48.64	21	1039	311	96	0.28	0.0	1.446	0.045	0	0	0	141
PL.64240	PL.37679	ABC	#1/0 ACSR	7.42Y	123.7	0.06	1.27	46.88	20	1001	299	96	0.44	0.0	1.521	0.075	0	0	0	137
PL.64004	PL.64240	C	#2 ACSR	7.42Y	123.7	0.00	1.27	4.07	2	29	9	96	0.00	0.0	1.524	0.003	0	0	0	2
PD.9504	PL.64004	C	20QA	7.42Y	123.7	0.00	1.27	4.07	20	29	9	96	0.00	0.0	1.524	0.003	0	0	0	2
PL.64160	PD.9504	C	#2 ACSR	7.42Y	123.7	0.00	1.27	4.07	2	29	9	96	0.00	0.0	1.570	0.045	13	4	1	2
PL.64157	PL.64160	C	#2 ACSR	7.42Y	123.7	0.00	1.28	2.20	1	16	5	95	0.00	0.0	1.642	0.072	16	5	1	1
PL.64241	PL.64240	ABC	#1/0 ACSR	7.42Y	123.7	0.05	1.32	45.52	20	971	290	96	0.34	0.0	1.582	0.061	0	0	0	135
PL.64243	PL.64241	A	#4 ACSR	7.42Y	123.7	0.00	1.32	10.48	8	75	22	96	0.00	0.0	1.584	0.002	0	0	0	9
PD.6081	PL.64243	A	40QA	7.42Y	123.7	0.00	1.32	10.48	26	75	22	96	0.00	0.0	1.584	0.002	0	0	0	9
PL.37856	PD.6081	A	#4 ACSR	7.42Y	123.7	0.02	1.34	10.48	8	75	22	96	0.01	0.0	1.636	0.052	11	3	1	9
PL.38708	PL.37856	A	#4 ACSR	7.42Y	123.6	0.01	1.35	8.87	7	63	19	96	0.00	0.0	1.661	0.025	43	13	5	8
PL.38710	PL.38708	A	#4 ACSR	7.42Y	123.6	0.00	1.35	2.83	2	20	6	96	0.00	0.0	1.674	0.013	0	0	0	3
PL.38711	PL.38710	A	#4 ACSR	7.42Y	123.6	0.00	1.35	2.83	2	20	6	96	0.00	0.0	1.684	0.010	20	6	3	3
PL.64003	PL.64241	A	#4 ACSR	7.42Y	123.7	0.00	1.32	25.21	19	179	53	96	0.00	0.0	1.585	0.002	0	0	0	25
PD.9503	PL.64003	A	40QA	7.42Y	123.7	0.00	1.32	25.21	63	179	53	96	0.00	0.0	1.585	0.002	0	0	0	25
PL.64024	PD.9503	A	#4 ACSR	7.41Y	123.6	0.10	1.42	25.21	19	179	53	96	0.13	0.1	1.677	0.092	15	4	2	25
PL.64023	PL.64024	A	#4 ACSR	7.41Y	123.5	0.12	1.55	23.11	18	164	49	96	0.15	0.1	1.798	0.122	7	2	1	23
PL.64028	PL.64023	A	#4 ACSR	7.41Y	123.4	0.01	1.55	3.29	3	23	7	96	0.00	0.0	1.843	0.044	6	2	2	4
PL.64016	PL.64028	A	#4 ACSR	7.41Y	123.4	0.00	1.55	2.49	2	18	5	96	0.00	0.0	1.874	0.031	18	5	2	2
PL.64031	PL.64023	A	#4 ACSR	7.40Y	123.4	0.10	1.65	18.83	14	134	40	96	0.10	0.1	1.920	0.121	2	1	1	18
PL.64030	PL.64031	A	#4 ACSR	7.40Y	123.3	0.02	1.67	18.48	14	131	39	96	0.02	0.0	1.953	0.033	32	10	4	17
PL.64011	PL.64030	A	#4 ACSR	7.40Y	123.3	0.02	1.70	7.48	6	53	16	96	0.01	0.0	2.031	0.078	8	2	1	5
PL.64012	PL.64011	A	#4 ACSR	7.40Y	123.3	0.01	1.71	6.41	5	45	13	96	0.00	0.0	2.089	0.058	35	10	3	4
PL.64036	PL.64012	A	#4 ACSR	7.40Y	123.3	0.00	1.71	1.44	1	10	3	96	0.00	0.0	2.203	0.114	10	3	1	1
PL.64033	PL.64030	A	#4 ACSR	7.40Y	123.3	0.01	1.69	6.46	5	46	14	96	0.00	0.0	2.000	0.046	0	0	0	8

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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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.64245	PL.64033	A	#4 ACSR	7.40Y	123.3	0.00	1.69	1.93	1	14	4	96	0.00	0.0	2.057	0.057	14	4	2	2
PL.64246	PL.64033	A	#4 ACSR	7.40Y	123.3	0.02	1.71	4.53	3	32	10	95	0.00	0.0	2.152	0.152	14	4	2	6
PL.61035	PL.64246	A	#4 ACSR	7.40Y	123.3	0.00	1.71	1.20	1	9	3	95	0.00	0.0	2.195	0.043	9	3	2	2
PL.38100	PL.64246	A	#4 ACSR	7.40Y	123.3	0.00	1.71	1.32	1	9	3	95	0.00	0.0	2.194	0.042	9	3	2	2
PL.64242	PL.64241	A	#4/0 ACSR	7.42Y	123.7	0.00	1.32	2.33	1	17	5	96	0.00	0.0	1.584	0.002	0	0	0	1
PD.5962	PL.64242	A	40QA	7.42Y	123.7	0.00	1.32	2.33	6	17	5	96	0.00	0.0	1.584	0.002	0	0	0	1
PL.37659	PD.5962	A	#4/0 ACSR	7.42Y	123.7	0.00	1.32	2.33	1	17	5	96	0.00	0.0	1.592	0.008	17	5	1	1
PL.64244	PL.64241	ABC	#1/0 ACSR	7.42Y	123.6	0.04	1.36	32.85	14	701	209	96	0.18	0.0	1.644	0.062	5	1	2	100
PL.38085	PL.64244	ABC	#1/0 ACSR	7.42Y	123.6	0.04	1.40	32.62	14	696	208	96	0.20	0.0	1.716	0.072	9	3	1	98
PL.38088	PL.38085	ABC	#1/0 ACSR	7.41Y	123.6	0.03	1.43	30.96	13	660	197	96	0.13	0.0	1.768	0.052	0	0	0	95
PL.38091	PL.38088	ABC	#1/0 ACSR	7.41Y	123.5	0.05	1.48	30.10	13	641	192	96	0.22	0.0	1.860	0.092	10	3	2	92
PL.38092	PL.38091	ABC	#1/0 ACSR	7.41Y	123.5	0.02	1.49	29.60	13	631	188	96	0.07	0.0	1.888	0.028	0	0	0	90
PL.38415	PL.38092	ABC	#1/0 ACSR	7.41Y	123.5	0.04	1.54	29.37	13	626	187	96	0.19	0.0	1.970	0.082	0	0	0	88
PL.37857	PL.38415	A	#2 ACSR	7.41Y	123.5	0.00	1.54	2.83	2	20	6	96	0.00	0.0	1.973	0.003	0	0	0	3
PD.5959	PL.37857	A	40QA	7.41Y	123.5	0.00	1.54	2.83	7	20	6	96	0.00	0.0	1.973	0.003	0	0	0	3
PL.37558	PD.5959	A	#2 ACSR	7.41Y	123.5	0.00	1.54	2.83	2	20	6	96	0.00	0.0	2.009	0.035	10	3	1	3
PL.37105	PL.37558	A	#2 ACSR	7.41Y	123.5	0.00	1.54	1.42	1	10	3	96	0.00	0.0	2.053	0.044	0	0	1	2
PL.37673	PL.37105	A	#2 ACSR	7.41Y	123.5	0.00	1.54	1.39	1	10	3	96	0.00	0.0	2.117	0.064	10	3	1	1
PL.37559	PL.38415	ABC	#1/0 ACSR	7.41Y	123.4	0.04	1.58	28.42	12	605	180	96	0.18	0.0	2.053	0.083	9	3	1	85
PL.64247	PL.37559	ABC	#1/0 ACSR	7.40Y	123.4	0.03	1.62	28.00	12	596	178	96	0.14	0.0	2.120	0.067	0	0	0	84
PL.64248	PL.64247	ABC	#1/0 ACSR	7.40Y	123.3	0.05	1.67	27.30	12	581	173	96	0.21	0.0	2.226	0.107	0	0	0	80
PL.37377	PL.64248	A	#4 ACSR	7.40Y	123.3	0.00	1.67	11.73	9	83	25	96	0.00	0.0	2.228	0.001	0	0	0	11
PD.5238	PL.37377	A	40QA	7.40Y	123.3	0.00	1.67	11.73	29	83	25	96	0.00	0.0	2.228	0.001	0	0	0	11
PL.37378	PD.5238	A	#4 ACSR	7.40Y	123.3	0.01	1.68	11.73	9	83	25	96	0.01	0.0	2.258	0.031	13	4	2	11
PL.38145	PL.37378	A	#4 ACSR	7.40Y	123.3	0.02	1.70	9.93	8	70	21	96	0.01	0.0	2.309	0.051	22	7	3	9
PL.37755	PL.38145	A	#4 ACSR	7.40Y	123.3	0.00	1.70	0.00	0	0	0	100	0.00	0.0	2.379	0.070	0	0	0	0
PL.37622	PL.38145	A	#4 ACSR	7.40Y	123.3	0.02	1.72	6.78	5	48	14	96	0.01	0.0	2.375	0.066	3	1	2	6
PL.37623	PL.37622	A	#4 ACSR	7.40Y	123.3	0.01	1.73	6.34	5	45	13	96	0.00	0.0	2.402	0.027	0	0	0	4
PL.36736	PL.37623	A	#4 ACSR	7.40Y	123.3	0.00	1.73	6.34	5	45	13	96	0.00	0.0	2.430	0.028	45	13	4	4
PL.37883	PL.36736	A	#4 ACSR	7.40Y	123.3	0.00	1.73	0.00	0	0	0	100	0.00	0.0	2.464	0.034	0	0	0	0
PL.37624	PL.37623	A	#1/0 ACSR	7.40Y	123.3	0.00	1.73	0.00	0	0	0	100	0.00	0.0	2.427	0.026	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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.37625	PL.37624	A	#1/0 ACSR	7.40Y	123.3	0.00	1.73	0.00	0	0	0	100	0.00	0.0	2.457	0.029	0	0	0	0
PL.37379	PL.64248	A	#4 ACSR	7.40Y	123.3	0.00	1.67	1.65	1	12	3	97	0.00	0.0	2.228	0.001	0	0	0	3
PD.5239	PL.37379	A	40QA	7.40Y	123.3	0.00	1.67	1.65	4	12	3	97	0.00	0.0	2.228	0.001	0	0	0	3
PL.37380	PD.5239	A	#4 ACSR	7.40Y	123.3	0.00	1.67	1.65	1	12	3	97	0.00	0.0	2.259	0.031	12	3	3	3
PL.64250	PL.64248	ABC	#1/0 ACSR	7.40Y	123.3	0.01	1.68	22.85	10	486	145	96	0.04	0.0	2.258	0.032	0	0	0	66
PL.64249	PL.64250	A	#4 ACSR	7.40Y	123.3	0.00	1.68	1.11	1	8	2	97	0.00	0.0	2.259	0.001	0	0	0	1
PD.6074	PL.64249	A	40QA	7.40Y	123.3	0.00	1.68	1.11	3	8	2	97	0.00	0.0	2.259	0.001	0	0	0	1
PL.37198	PD.6074	A	#4 ACSR	7.40Y	123.3	0.00	1.68	1.11	1	8	2	97	0.00	0.0	2.282	0.023	8	2	1	1
PL.64156	PL.64250	ABC	#1/0 ACSR	7.40Y	123.3	0.02	1.70	21.74	9	462	138	96	0.07	0.0	2.318	0.060	22	7	2	62
PL.64577	PL.64156	ABC	#1/0 ACSR	7.40Y	123.3	0.00	1.70	20.70	9	440	131	96	0.00	0.0	2.318	0.000	0	0	0	60
PL.64578	PL.64577	ABC	#1/0 ACSR	7.40Y	123.3	0.02	1.72	20.70	9	440	131	96	0.05	0.0	2.362	0.044	0	0	0	60
PL.64253	PL.64578	A	#2 ACSR	7.40Y	123.3	0.00	1.72	3.32	2	24	7	96	0.00	0.0	2.362	0.001	0	0	0	3
PD.5223	PL.64253	A	40QA	7.40Y	123.3	0.00	1.72	3.32	8	24	7	96	0.00	0.0	2.362	0.001	0	0	0	3
PL.38697	PD.5223	A	#2 ACSR	7.40Y	123.3	0.00	1.72	3.32	2	24	7	96	0.00	0.0	2.380	0.018	12	3	2	3
PL.61392	PL.38697	A	#2 ACSR	7.40Y	123.3	0.00	1.72	1.69	1	12	4	95	0.00	0.0	2.399	0.019	0	0	0	1
PL.63058	PL.61392	A	#1/0 ACSR	7.40Y	123.3	0.00	1.72	1.69	1	12	4	95	0.00	0.0	2.447	0.048	12	4	1	1
PL.64252	PL.64578	A	#2 ACSR	7.40Y	123.3	0.00	1.72	3.29	2	23	7	96	0.00	0.0	2.363	0.001	0	0	0	3
PD.6073	PL.64252	A	40QA	7.40Y	123.3	0.00	1.72	3.29	8	23	7	96	0.00	0.0	2.363	0.001	0	0	0	3
PL.38696	PD.6073	A	#2 ACSR	7.40Y	123.3	0.00	1.72	3.29	2	23	7	96	0.00	0.0	2.396	0.033	23	7	3	3
PL.64254	PL.64578	ABC	#1/0 ACSR	7.40Y	123.3	0.02	1.75	18.50	8	393	117	96	0.06	0.0	2.437	0.075	39	12	5	54
PL.61408	PL.64254	A	#2 ACSR	7.40Y	123.3	0.00	1.75	0.00	0	0	0	100	0.00	0.0	2.466	0.029	0	0	0	0
PL.61409	PL.64254	ABC	#1/0 ACSR	7.39Y	123.2	0.01	1.76	16.65	7	354	105	96	0.04	0.0	2.486	0.049	9	3	1	49
PL.38698	PL.61409	C	#2 ACSR	7.39Y	123.2	0.00	1.76	1.98	1	14	4	96	0.00	0.0	2.486	0.000	0	0	0	1
PD.6072	PL.38698	C	40QA	7.39Y	123.2	0.00	1.76	1.98	5	14	4	96	0.00	0.0	2.486	0.000	0	0	0	1
PL.38699	PD.6072	C	#2 ACSR	7.39Y	123.2	0.00	1.76	1.98	1	14	4	96	0.00	0.0	2.513	0.027	14	4	1	1
PL.38700	PL.61409	A	6 A (CWC)	7.39Y	123.2	0.00	1.76	17.40	12	123	37	96	0.00	0.0	2.486	0.000	0	0	0	16
PD.5890	PL.38700	A	40QA	7.39Y	123.2	0.00	1.76	17.40	44	123	37	96	0.00	0.0	2.486	0.000	0	0	0	16
PL.37951	PD.5890	A	6 A (CWC)	7.39Y	123.2	0.07	1.83	17.40	12	123	37	96	0.06	0.0	2.571	0.085	3	1	1	16
PL.37556	PL.37951	A	6 A (CWC)	7.39Y	123.1	0.04	1.87	16.95	12	120	36	96	0.04	0.0	2.628	0.057	10	3	1	15
PL.37557	PL.37556	A	6 A (CWC)	7.38Y	123.1	0.06	1.92	15.56	11	110	33	96	0.05	0.0	2.705	0.077	0	0	0	14
PL.38704	PL.37557	A	#4 ACSR	7.38Y	123.1	0.00	1.93	2.35	2	17	5	96	0.00	0.0	2.745	0.040	15	4	2	3

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Balanced Voltage Drop Report
Source: Conway

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.36744	PL.38704	A	#4 ACSR	7.38Y	123.1	0.00	1.93	0.29	0	2	1	89	0.00	0.0	2.839	0.094	2	1	1	1
PL.38703	PL.37557	A	6 A (CWC)	7.38Y	123.0	0.03	1.96	13.21	9	94	28	96	0.02	0.0	2.756	0.052	6	2	1	11
PL.64574	PL.38703	A	#1/0 ACSR	7.38Y	123.0	0.01	1.96	11.21	5	79	24	96	0.00	0.0	2.784	0.028	0	0	0	9
PL.64575	PL.64574	A	#1/0 ACSR	7.38Y	123.0	0.00	1.96	11.21	5	79	24	96	0.00	0.0	2.784	0.000	0	0	0	9
PL.64576	PL.64575	A	#1/0 ACSR	7.38Y	123.0	0.03	1.99	11.21	5	79	24	96	0.01	0.0	2.881	0.097	0	0	1	9
PL.37952	PL.64576	A	6 A (CWC)	7.38Y	123.0	0.03	2.01	11.14	8	79	23	96	0.02	0.0	2.936	0.056	8	2	1	8
PL.37953	PL.37952	A	6 A (CWC)	7.38Y	122.9	0.04	2.06	10.02	7	71	21	96	0.02	0.0	3.025	0.088	0	0	0	7
PL.38130	PL.37953	A	6 A (CWC)	7.38Y	122.9	0.00	2.06	0.41	0	3	1	95	0.00	0.0	3.055	0.031	3	1	1	1
PL.37954	PL.37953	A	6 A (CWC)	7.38Y	122.9	0.01	2.07	9.61	7	68	20	96	0.00	0.0	3.061	0.036	42	12	3	6
PL.37955	PL.37954	A	6 A (CWC)	7.38Y	122.9	0.00	2.07	3.72	3	26	8	96	0.00	0.0	3.089	0.028	0	0	0	3
PL.37957	PL.37955	A	6 A (CWC)	7.38Y	122.9	0.00	2.07	2.40	2	17	5	96	0.00	0.0	3.103	0.014	0	0	0	2
PL.37958	PL.37957	A	6 A (CWC)	7.38Y	122.9	0.00	2.08	2.40	2	17	5	96	0.00	0.0	3.132	0.029	0	0	0	2
PL.37858	PL.37958	A	6 A (CWC)	7.38Y	122.9	0.00	2.08	2.40	2	17	5	96	0.00	0.0	3.170	0.038	9	3	1	2
PL.37859	PL.37858	A	6 A (CWC)	7.38Y	122.9	0.00	2.08	1.17	1	8	2	97	0.00	0.0	3.244	0.074	8	2	1	1
PL.37956	PL.37955	A	6 A (CWC)	7.38Y	122.9	0.00	2.07	1.33	1	9	3	95	0.00	0.0	3.124	0.035	9	3	1	1
PL.37639	PL.38703	A	6 A (CWC)	7.38Y	123.0	0.00	1.96	1.09	1	8	2	97	0.00	0.0	2.848	0.092	8	2	1	1
PL.38701	PL.61409	A	#4 ACSR	7.39Y	123.2	0.00	1.76	29.33	23	208	62	96	0.00	0.0	2.486	0.000	0	0	0	31
PD.6010	PL.38701	A	40QA	7.39Y	123.2	0.00	1.76	29.33	73	208	62	96	0.00	0.0	2.486	0.000	0	0	0	31
PL.38219	PD.6010	A	#4 ACSR	7.39Y	123.2	0.06	1.82	29.33	23	208	62	96	0.09	0.0	2.530	0.044	0	0	0	31
PL.38702	PL.38219	A	#4 ACSR	7.38Y	122.9	0.23	2.05	29.33	23	208	62	96	0.37	0.2	2.708	0.177	0	0	0	31
PL.37959	PL.38702	A	#4 ACSR	7.37Y	122.9	0.03	2.08	22.97	18	162	48	96	0.04	0.0	2.739	0.032	2	1	1	27
PL.37960	PL.37959	A	#4 ACSR	7.37Y	122.8	0.10	2.19	22.61	17	160	48	96	0.12	0.1	2.852	0.113	27	8	3	26
PL.37961	PL.37960	A	#4 ACSR	7.36Y	122.7	0.10	2.29	13.80	11	97	29	96	0.08	0.1	3.023	0.171	2	1	3	18
PL.38432	PL.37961	A	#4 ACSR	7.36Y	122.7	0.01	2.30	5.35	4	38	11	96	0.00	0.0	3.068	0.045	9	3	1	5
PL.38097	PL.38432	A	#4 ACSR	7.36Y	122.7	0.01	2.31	4.01	3	28	8	96	0.00	0.0	3.119	0.051	10	3	1	4
PL.38098	PL.38097	A	#4 ACSR	7.36Y	122.7	0.00	2.31	2.64	2	19	6	95	0.00	0.0	3.156	0.037	7	2	1	3
PL.61040	PL.38098	A	#1/0 ACSR	7.36Y	122.7	0.00	2.31	1.61	1	11	3	96	0.00	0.0	3.181	0.024	11	3	2	2
PL.37420	PL.37961	A	#4 ACSR	7.36Y	122.7	0.03	2.32	8.10	6	57	17	96	0.01	0.0	3.092	0.069	0	0	1	10
PL.38094	PL.37420	A	#4 ACSR	7.36Y	122.7	0.01	2.33	6.69	5	47	14	96	0.00	0.0	3.157	0.065	29	9	5	7
PL.38095	PL.38094	A	#4 ACSR	7.36Y	122.7	0.01	2.34	2.61	2	18	5	96	0.00	0.0	3.214	0.056	9	3	1	2
PL.38096	PL.38095	A	#4 ACSR	7.36Y	122.7	0.00	2.34	1.39	1	10	3	96	0.00	0.0	3.262	0.048	10	3	1	1

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Balanced Voltage Drop Report
Source: Conway

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.37265	PL.37420	A	#2 ACSR	7.36Y	122.7	0.00	2.32	1.42	1	10	3	96	0.00	0.0	3.134	0.042	10	3	2	2
PL.36737	PL.37960	A	#4 ACSR	7.37Y	122.8	0.01	2.19	5.04	4	36	11	96	0.00	0.0	2.905	0.053	31	9	4	5
PL.36738	PL.36737	A	#4 ACSR	7.37Y	122.8	0.00	2.20	0.62	0	4	1	97	0.00	0.0	2.956	0.051	4	1	1	1
PL.37086	PL.38702	A	#4 ACSR	7.37Y	122.9	0.03	2.09	6.37	5	45	13	96	0.01	0.0	2.828	0.121	0	0	0	4
PL.37962	PL.37086	A	#4 ACSR	7.37Y	122.9	0.01	2.10	6.37	5	45	13	96	0.00	0.0	2.891	0.063	20	6	2	4
PL.37419	PL.37962	A	#4 ACSR	7.37Y	122.9	0.00	2.10	2.95	2	21	6	96	0.00	0.0	2.905	0.014	21	6	1	1
PL.37668	PL.37962	A	#4 ACSR	7.37Y	122.9	0.00	2.10	0.65	0	5	1	98	0.00	0.0	2.914	0.023	5	1	1	1
PL.64251	PL.64250	A	#4 ACSR	7.40Y	123.3	0.00	1.68	2.22	2	16	5	95	0.00	0.0	2.259	0.001	0	0	0	3
PD.5224	PL.64251	A	40QA	7.40Y	123.3	0.00	1.68	2.22	6	16	5	95	0.00	0.0	2.259	0.001	0	0	0	3
PL.37199	PD.5224	A	#4 ACSR	7.40Y	123.3	0.00	1.68	2.22	2	16	5	95	0.00	0.0	2.289	0.030	16	5	3	3
PL.64005	PL.64247	A	#2 ACSR	7.40Y	123.4	0.00	1.62	2.09	1	15	4	97	0.00	0.0	2.121	0.001	0	0	0	4
PD.9505	PL.64005	A	40QA	7.40Y	123.4	0.00	1.62	2.09	5	15	4	97	0.00	0.0	2.121	0.001	0	0	0	4
PL.64161	PD.9505	A	#2 ACSR	7.40Y	123.4	0.00	1.62	2.09	1	15	4	97	0.00	0.0	2.145	0.024	6	2	1	4
PL.64158	PL.64161	A	#2 ACSR	7.40Y	123.4	0.00	1.62	1.24	1	9	3	95	0.00	0.0	2.220	0.075	9	3	2	3
PL.64029	PL.64158	A	#2 ACSR	7.40Y	123.4	0.00	1.62	0.00	0	0	0	100	0.00	0.0	2.288	0.068	0	0	1	1
PL.37591	PL.38415	C	#2 ACSR	7.41Y	123.5	0.00	1.54	0.00	0	0	0	100	0.00	0.0	1.972	0.002	0	0	0	0
PD.6080	PL.37591	C	40QA	7.41Y	123.5	0.00	1.54	0.00	0	0	0	100	0.00	0.0	1.972	0.002	0	0	0	0
PL.37592	PD.6080	C	#2 ACSR	7.41Y	123.5	0.00	1.54	0.00	0	0	0	100	0.00	0.0	2.001	0.029	0	0	0	0
PL.38093	PL.38092	C	#2 ACSR	7.41Y	123.5	0.00	1.49	0.71	0	5	1	98	0.00	0.0	1.890	0.001	0	0	0	2
PD.5963	PL.38093	C	40QA	7.41Y	123.5	0.00	1.49	0.71	2	5	1	98	0.00	0.0	1.890	0.001	0	0	0	2
PL.52644	PD.5963	C	#2 ACSR	7.41Y	123.5	0.00	1.50	0.71	0	5	1	98	0.00	0.0	1.922	0.033	5	1	1	2
PL.52645	PL.52644	C	#2 ACSR	7.41Y	123.5	0.00	1.50	0.05	0	0	0	100	0.00	0.0	1.943	0.020	0	0	1	1
PL.38089	PL.38088	A	#2 ACSR	7.41Y	123.6	0.00	1.43	0.94	1	7	2	96	0.00	0.0	1.771	0.003	0	0	0	2
PD.5964	PL.38089	A	40QA	7.41Y	123.6	0.00	1.43	0.94	2	7	2	96	0.00	0.0	1.771	0.003	0	0	0	2
PL.38090	PD.5964	A	#2 ACSR	7.41Y	123.6	0.00	1.43	0.94	1	7	2	96	0.00	0.0	1.823	0.052	7	2	2	2
PL.38413	PL.38088	A	#4 ACSR	7.41Y	123.6	0.00	1.43	1.64	1	12	3	97	0.00	0.0	1.770	0.002	0	0	0	1
PD.6023	PL.38413	A	40QA	7.41Y	123.6	0.00	1.43	1.64	4	12	3	97	0.00	0.0	1.770	0.002	0	0	0	1
PL.38414	PD.6023	A	#4 ACSR	7.41Y	123.6	0.00	1.43	1.64	1	12	3	97	0.00	0.0	1.813	0.043	12	3	1	1
PL.38412	PL.38085	A	#2 ACSR	7.42Y	123.6	0.00	1.40	3.69	2	26	8	96	0.00	0.0	1.719	0.003	0	0	0	2
PD.6002	PL.38412	A	40QA	7.42Y	123.6	0.00	1.40	3.69	9	26	8	96	0.00	0.0	1.719	0.003	0	0	0	2
PL.38086	PD.6002	A	#2 ACSR	7.42Y	123.6	0.00	1.40	3.69	2	26	8	96	0.00	0.0	1.766	0.047	13	4	1	2

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.38087	PL.38086	A	#2 ACSR	7.42Y	123.6	0.00	1.41	1.88	1	13	4	96	0.00	0.0	1.801	0.035	13	4	1	1
PL.37680	PL.37679	A	#2 ACSR	7.43Y	123.8	0.00	1.21	5.28	3	38	11	96	0.00	0.0	1.448	0.002	0	0	0	4
PD.5961	PL.37680	A	40QA	7.43Y	123.8	0.00	1.21	5.28	13	38	11	96	0.00	0.0	1.448	0.002	0	0	0	4
PL.37854	PD.5961	A	#2 ACSR	7.43Y	123.8	0.00	1.21	5.28	3	38	11	96	0.00	0.0	1.486	0.038	38	11	4	4
PL.37855	PL.37854	A	#2 ACSR	7.43Y	123.8	0.00	1.21	0.00	0	0	0	100	0.00	0.0	1.550	0.063	0	0	0	0
PL.37494	PL.37834	A	#1/0 ACSR	7.44Y	124.0	0.00	1.01	0.00	0	0	0	100	0.00	0.0	1.281	0.049	0	0	0	0
PL.38124	PL.37834	A	#4 ACSR	7.44Y	124.0	0.00	1.02	6.55	5	47	14	96	0.00	0.0	1.235	0.004	0	0	0	6
PD.6060	PL.38124	A	40QA	7.44Y	124.0	0.00	1.02	6.55	16	47	14	96	0.00	0.0	1.235	0.004	0	0	0	6
PL.38099	PD.6060	A	#4 ACSR	7.44Y	123.9	0.04	1.05	6.55	5	47	14	96	0.01	0.0	1.398	0.162	24	7	3	6
PL.38709	PL.38099	A	#4 ACSR	7.44Y	123.9	0.01	1.06	3.19	2	23	7	96	0.00	0.0	1.475	0.078	0	0	0	3
PL.38101	PL.38709	A	#4 ACSR	7.44Y	123.9	0.02	1.08	3.19	2	23	7	96	0.00	0.0	1.636	0.161	6	2	1	3
PL.38102	PL.38101	A	#4 ACSR	7.43Y	123.9	0.01	1.09	2.37	2	17	5	96	0.00	0.0	1.826	0.190	17	5	2	2
PL.37802	PL.38709	A	#2 ACSR	7.44Y	123.9	0.00	1.06	0.00	0	0	0	100	0.00	0.0	1.562	0.087	0	0	0	0
PL.37547	PL.37834	A	#1/0 ACSR	7.44Y	124.0	0.00	1.01	0.30	0	2	1	89	0.00	0.0	1.262	0.031	2	1	1	1
PL.37392	PL.37391	A	#2 ACSR	7.45Y	124.2	0.00	0.80	1.92	1	14	4	96	0.00	0.0	1.003	0.001	0	0	0	1
PD.6079	PL.37392	A	25QA	7.45Y	124.2	0.00	0.80	1.92	8	14	4	96	0.00	0.0	1.003	0.001	0	0	0	1
PL.38120	PD.6079	A	#2 ACSR	7.45Y	124.2	0.00	0.80	1.92	1	14	4	96	0.00	0.0	1.017	0.014	14	4	1	1
PL.37039	PL.37038	A	#4 ACSR	7.46Y	124.3	0.00	0.75	0.40	0	3	1	95	0.00	0.0	0.964	0.016	3	1	1	1
PL.37040	PL.37039	A	#4 ACSR	7.46Y	124.3	0.00	0.75	0.00	0	0	0	100	0.00	0.0	1.041	0.076	0	0	0	0
PL.59595	PL.59573	ABC	#1/0 ACSR	7.46Y	124.3	0.01	0.71	21.18	9	454	136	96	0.03	0.0	0.918	0.024	0	0	0	71
PD.8797	PL.59595	ABC	50L	7.46Y	124.3	0.00	0.71	21.18	42	454	136	96	0.00	0.0	0.918	0.024	0	0	0	71
PL.59596	PD.8797	ABC	#1/0 ACSR	7.46Y	124.3	0.01	0.71	21.18	9	454	136	96	0.02	0.0	0.935	0.018	5	1	2	71
PL.59575	PL.59596	ABC	#1/0 ACSR	7.46Y	124.3	0.01	0.72	20.95	9	449	135	96	0.02	0.0	0.954	0.019	7	2	2	69
PL.37042	PL.59575	ABC	#1/0 ACSR	7.46Y	124.3	0.02	0.74	20.61	9	442	132	96	0.06	0.0	1.005	0.051	21	6	3	67
PL.37041	PL.37042	ABC	#1/0 ACSR	7.45Y	124.2	0.01	0.75	19.63	9	421	126	96	0.04	0.0	1.047	0.042	9	3	1	64
PL.37868	PL.37041	ABC	#1/0 ACSR	7.45Y	124.2	0.02	0.78	19.21	8	412	123	96	0.07	0.0	1.116	0.069	0	0	0	62
PL.37046	PL.37868	C	#2 ACSR	7.45Y	124.2	0.00	0.78	0.92	1	7	2	96	0.00	0.0	1.116	0.000	0	0	0	2
PD.5985	PL.37046	C	40QA	7.45Y	124.2	0.00	0.78	0.92	2	7	2	96	0.00	0.0	1.116	0.000	0	0	0	2
PL.37047	PD.5985	C	#2 ACSR	7.45Y	124.2	0.00	0.78	0.92	1	7	2	96	0.00	0.0	1.132	0.016	7	2	2	2
PL.37751	PL.37868	ABC	#1/0 ACSR	7.45Y	124.2	0.02	0.79	18.90	8	405	121	96	0.05	0.0	1.165	0.050	0	0	0	60
PL.37048	PL.37751	C	#2 ACSR	7.45Y	124.2	0.00	0.79	0.00	0	0	0	100	0.00	0.0	1.166	0.001	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: Conway

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.5965	PL.37048	C	40QA	7.45Y	124.2	0.00	0.79	0.00	0	0	0	100	0.00	0.0	1.166	0.001	0	0	0	2
PL.64236	PD.5965	C	#2 ACSR	7.45Y	124.2	0.00	0.79	0.00	0	0	0	100	0.00	0.0	1.186	0.020	0	0	0	2
PL.64010	PL.64236	C	#2 ACSR	7.45Y	124.2	0.00	0.79	0.00	0	0	0	100	0.00	0.0	1.205	0.019	0	0	2	2
PL.37049	PL.37751	ABC	#1/0 ACSR	7.45Y	124.2	0.04	0.84	18.90	8	405	121	96	0.11	0.0	1.285	0.120	0	0	0	58
PL.37068	PL.37049	ABC	#1/0 ACSR	7.43Y	123.9	0.27	1.11	18.90	8	405	121	96	0.75	0.2	2.089	0.803	11	3	1	58
PL.37069	PL.37068	ABC	#1/0 ACSR	7.43Y	123.8	0.06	1.17	18.38	8	393	117	96	0.16	0.0	2.274	0.185	8	3	1	57
PL.37070	PL.37069	ABC	#1/0 ACSR	7.43Y	123.8	0.01	1.18	17.99	8	384	114	96	0.03	0.0	2.314	0.041	0	0	0	56
PL.37089	PL.37070	A	#2 ACSR	7.43Y	123.8	0.00	1.18	0.00	0	0	0	100	0.00	0.0	2.314	0.000	0	0	0	0
PL.37869	PL.37070	ABC	#1/0 ACSR	7.43Y	123.8	0.02	1.21	17.99	8	384	114	96	0.06	0.0	2.384	0.070	11	3	2	56
PL.37090	PL.37869	ABC	#1/0 ACSR	7.43Y	123.8	0.02	1.22	17.49	8	373	111	96	0.05	0.0	2.441	0.057	7	2	1	54
PL.37091	PL.37090	ABC	#1/0 ACSR	7.43Y	123.8	0.01	1.24	17.16	7	366	109	96	0.03	0.0	2.480	0.038	0	0	0	53
PL.37092	PL.37091	ABC	#1/0 ACSR	7.43Y	123.8	0.01	1.25	16.05	7	343	102	96	0.03	0.0	2.522	0.043	0	0	0	51
PL.37652	PL.37092	C	#2 ACSR	7.43Y	123.8	0.00	1.25	1.29	1	9	3	95	0.00	0.0	2.523	0.001	0	0	0	2
PD.6041	PL.37652	C	40QA	7.43Y	123.8	0.00	1.25	1.29	3	9	3	95	0.00	0.0	2.523	0.001	0	0	0	2
PL.38650	PD.6041	C	#2 ACSR	7.43Y	123.8	0.00	1.25	1.29	1	9	3	95	0.00	0.0	2.551	0.028	9	3	2	2
PL.38651	PL.38650	C	#2 ACSR	7.43Y	123.8	0.00	1.25	0.00	0	0	0	100	0.00	0.0	2.578	0.027	0	0	0	0
PL.37651	PL.37092	A	#2 ACSR	7.43Y	123.8	0.00	1.25	0.51	0	4	1	97	0.00	0.0	2.523	0.001	0	0	0	1
PD.5990	PL.37651	A	40QA	7.43Y	123.8	0.00	1.25	0.51	1	4	1	97	0.00	0.0	2.523	0.001	0	0	0	1
PL.37460	PD.5990	A	#2 ACSR	7.43Y	123.8	0.00	1.25	0.51	0	4	1	97	0.00	0.0	2.564	0.041	0	0	0	1
PL.37366	PL.37460	A	#2 ACSR	7.43Y	123.8	0.00	1.25	0.51	0	4	1	97	0.00	0.0	2.605	0.041	0	0	0	1
PL.37611	PL.37366	A	#2 ACSR	7.43Y	123.8	0.00	1.25	0.51	0	4	1	97	0.00	0.0	2.653	0.048	4	1	1	1
PL.38234	PL.37366	A	#2 ACSR	7.43Y	123.8	0.00	1.25	0.00	0	0	0	100	0.00	0.0	2.696	0.090	0	0	0	0
PL.38235	PL.37092	ABC	#1/0 ACSR	7.42Y	123.7	0.05	1.30	15.45	7	330	98	96	0.11	0.0	2.690	0.168	0	0	1	48
PL.36760	PL.38235	ABC	#1/0 ACSR	7.42Y	123.7	0.01	1.30	15.44	7	330	98	96	0.02	0.0	2.719	0.029	8	2	2	47
PL.36761	PL.36760	ABC	#1/0 ACSR	7.42Y	123.7	0.02	1.32	15.05	7	321	96	96	0.04	0.0	2.778	0.059	0	0	0	45
PL.36762	PL.36761	C	#2 ACSR	7.42Y	123.7	0.00	1.32	1.15	1	8	2	97	0.00	0.0	2.778	0.000	0	0	0	1
PD.5986	PL.36762	C	40QA	7.42Y	123.7	0.00	1.32	1.15	3	8	2	97	0.00	0.0	2.778	0.000	0	0	0	1
PL.36763	PD.5986	C	#2 ACSR	7.42Y	123.7	0.00	1.32	1.15	1	8	2	97	0.00	0.0	2.794	0.016	0	0	0	1
PL.38402	PL.36763	C	#2 ACSR	7.42Y	123.7	0.00	1.32	1.15	1	8	2	97	0.00	0.0	2.941	0.148	8	2	1	1
PL.36764	PL.36761	ABC	#1/0 ACSR	7.42Y	123.7	0.01	1.33	14.67	6	313	93	96	0.03	0.0	2.831	0.054	0	0	0	44
PL.37737	PL.36764	C	#2 ACSR	7.42Y	123.7	0.00	1.33	2.76	2	20	6	96	0.00	0.0	2.856	0.025	20	6	2	2

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.38084	PL.36764	ABC	#1/0 ACSR	7.42Y	123.7	0.01	1.34	12.73	6	272	81	96	0.02	0.0	2.880	0.048	0	0	0	36
PL.37601	PL.38084	ABC	#1/0 ACSR	7.42Y	123.6	0.01	1.36	12.73	6	272	81	96	0.03	0.0	2.943	0.063	11	3	2	36
PL.37632	PL.37601	B	#4 ACSR	7.42Y	123.6	0.00	1.36	23.29	18	166	49	96	0.00	0.0	2.943	0.000	0	0	0	23
PD.5987	PL.37632	B	40QA	7.42Y	123.6	0.00	1.36	23.29	58	166	49	96	0.00	0.0	2.943	0.000	0	0	0	23
PL.37103	PD.5987	B	#4 ACSR	7.42Y	123.6	0.03	1.39	23.29	18	166	49	96	0.04	0.0	2.976	0.033	1	0	1	23
PL.38579	PL.37103	B	#4 ACSR	7.42Y	123.6	0.00	1.40	1.13	1	8	2	97	0.00	0.0	3.043	0.067	8	2	2	2
PL.38580	PL.38579	B	#4 ACSR	7.42Y	123.6	0.00	1.40	0.00	0	0	0	100	0.00	0.0	3.069	0.026	0	0	0	0
PL.37085	PL.37103	B	#4 ACSR	7.41Y	123.6	0.04	1.44	21.97	17	156	46	96	0.05	0.0	3.020	0.045	7	2	1	20
PL.38581	PL.37085	B	#4 ACSR	7.41Y	123.5	0.08	1.52	20.93	16	149	44	96	0.09	0.1	3.105	0.085	0	0	0	19
PL.37685	PL.38581	B	#4 ACSR	7.41Y	123.5	0.00	1.52	1.37	1	10	3	96	0.00	0.0	3.163	0.058	10	3	1	1
PL.37230	PL.38581	B	#4 ACSR	7.40Y	123.4	0.08	1.59	19.56	15	139	41	96	0.08	0.1	3.197	0.091	16	5	2	18
PL.37545	PL.37230	B	#4 ACSR	7.40Y	123.4	0.00	1.59	0.30	0	2	1	89	0.00	0.0	3.256	0.059	2	1	1	1
PL.38582	PL.37230	B	#4 ACSR	7.40Y	123.4	0.06	1.65	16.98	13	121	36	96	0.05	0.0	3.270	0.073	0	0	0	15
PL.37231	PL.38582	B	#4 ACSR	7.40Y	123.3	0.02	1.67	10.05	8	71	21	96	0.01	0.0	3.337	0.067	47	14	5	9
PL.64237	PL.37231	B	#4 ACSR	7.40Y	123.3	0.02	1.68	3.46	3	25	7	96	0.00	0.0	3.439	0.102	0	0	0	4
PL.64034	PL.64237	B	#4 ACSR	7.40Y	123.3	0.01	1.69	3.46	3	25	7	96	0.00	0.0	3.502	0.062	17	5	3	4
PL.64035	PL.64034	B	#4 ACSR	7.40Y	123.3	0.01	1.70	1.10	1	8	2	97	0.00	0.0	3.843	0.341	8	2	1	1
PL.37232	PL.38582	B	#4 ACSR	7.40Y	123.3	0.02	1.67	5.47	4	39	12	96	0.01	0.0	3.347	0.077	0	0	0	5
PL.63949	PL.37232	B	#4 ACSR	7.40Y	123.3	0.01	1.67	5.47	4	39	12	96	0.00	0.0	3.390	0.043	21	6	2	5
PL.63951	PL.63949	B	#4 ACSR	7.40Y	123.3	0.01	1.68	2.58	2	18	5	96	0.00	0.0	3.457	0.068	0	0	0	3
PL.63953	PL.63951	B	#1/0 ACSR	7.40Y	123.3	0.00	1.68	1.30	1	9	3	95	0.00	0.0	3.545	0.088	0	0	0	1
PL.63954	PL.63953	B	#1/0 ACSR	7.40Y	123.3	0.00	1.68	1.30	1	9	3	95	0.00	0.0	3.574	0.029	9	3	1	1
PL.63952	PL.63951	B	#4 ACSR	7.40Y	123.3	0.00	1.68	1.28	1	9	3	95	0.00	0.0	3.498	0.041	0	0	0	2
PL.63950	PL.63952	B	#4 ACSR	7.40Y	123.3	0.00	1.68	0.00	0	0	0	100	0.00	0.0	3.529	0.031	0	0	0	0
PL.63947	PL.63952	B	#2 ACSR	7.40Y	123.3	0.00	1.68	0.39	0	3	1	95	0.00	0.0	3.636	0.138	3	1	1	1
PL.63948	PL.63952	B	#4 ACSR	7.40Y	123.3	0.00	1.69	0.89	1	6	2	95	0.00	0.0	3.593	0.095	6	2	1	1
PL.37686	PL.38582	B	#4 ACSR	7.40Y	123.4	0.00	1.65	1.47	1	10	3	96	0.00	0.0	3.359	0.089	10	3	1	1
PL.37543	PL.37085	B	#4 ACSR	7.41Y	123.6	0.00	1.44	0.00	0	0	0	100	0.00	0.0	3.058	0.037	0	0	0	0
PL.37299	PL.37085	B	#4 ACSR	7.41Y	123.6	0.00	1.44	0.00	0	0	0	100	0.00	0.0	3.048	0.027	0	0	0	0
PL.37104	PL.37601	C	#4 ACSR	7.42Y	123.6	0.00	1.36	13.32	10	95	28	96	0.00	0.0	2.943	0.000	0	0	0	11
PD.6024	PL.37104	C	40QA	7.42Y	123.6	0.00	1.36	13.32	33	95	28	96	0.00	0.0	2.943	0.000	0	0	0	11

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.37602	PD.6024	C	#4 ACSR	7.42Y	123.6	0.01	1.37	13.32	10	95	28	96	0.01	0.0	2.960	0.017	0	0	0	11
PL.38572	PL.37602	C	#4 ACSR	7.42Y	123.6	0.04	1.41	13.32	10	95	28	96	0.03	0.0	3.030	0.069	12	4	1	11
PL.38573	PL.38572	C	#4 ACSR	7.41Y	123.6	0.03	1.44	11.67	9	83	25	96	0.02	0.0	3.092	0.062	9	3	2	10
PL.38574	PL.38573	C	#4 ACSR	7.41Y	123.5	0.02	1.46	9.25	7	66	20	96	0.01	0.0	3.151	0.059	26	8	1	7
PL.38575	PL.38574	C	#4 ACSR	7.41Y	123.5	0.02	1.48	5.53	4	39	12	96	0.00	0.0	3.255	0.104	22	7	3	6
PL.37376	PL.38575	C	#4 ACSR	7.41Y	123.5	0.00	1.48	1.44	1	10	3	96	0.00	0.0	3.287	0.033	10	3	1	1
PL.38576	PL.38575	C	#4 ACSR	7.41Y	123.5	0.00	1.48	0.98	1	7	2	96	0.00	0.0	3.337	0.082	7	2	1	2
PL.38577	PL.38576	C	#4 ACSR	7.41Y	123.5	0.00	1.48	0.00	0	0	0	100	0.00	0.0	3.410	0.074	0	0	0	1
PL.37813	PL.38577	C	#4 ACSR	7.41Y	123.5	0.00	1.48	0.00	0	0	0	100	0.00	0.0	3.439	0.029	0	0	0	0
PL.38578	PL.38577	C	#4 ACSR	7.41Y	123.5	0.00	1.48	0.00	0	0	0	100	0.00	0.0	3.462	0.051	0	0	1	1
PL.37336	PL.38578	C	#4 ACSR	7.41Y	123.5	0.00	1.48	0.00	0	0	0	100	0.00	0.0	3.475	0.014	0	0	0	0
PL.37386	PL.38573	C	#4 ACSR	7.41Y	123.6	0.00	1.44	1.20	1	9	3	95	0.00	0.0	3.135	0.043	8	3	1	1
PL.38082	PL.36764	C	#2 ACSR	7.42Y	123.7	0.00	1.33	1.95	1	14	4	96	0.00	0.0	2.832	0.001	0	0	0	2
PD.6042	PL.38082	C	40QA	7.42Y	123.7	0.00	1.33	1.95	5	14	4	96	0.00	0.0	2.832	0.001	0	0	0	2
PL.38083	PD.6042	C	#2 ACSR	7.42Y	123.7	0.00	1.33	1.95	1	14	4	96	0.00	0.0	2.858	0.026	14	4	2	2
PL.36765	PL.36764	A	#2 ACSR	7.42Y	123.7	0.00	1.33	1.10	1	8	2	97	0.00	0.0	2.832	0.001	0	0	0	4
PD.6025	PL.36765	A	40QA	7.42Y	123.7	0.00	1.33	1.10	3	8	2	97	0.00	0.0	2.832	0.001	0	0	0	4
PL.36766	PD.6025	A	#2 ACSR	7.42Y	123.7	0.00	1.33	1.10	1	8	2	97	0.00	0.0	2.887	0.055	8	2	4	4
PL.37093	PL.37091	C	#2 ACSR	7.43Y	123.8	0.00	1.24	3.35	2	24	7	96	0.00	0.0	2.480	0.001	0	0	0	2
PD.6083	PL.37093	C	40QA	7.43Y	123.8	0.00	1.24	3.35	8	24	7	96	0.00	0.0	2.480	0.001	0	0	0	2
PL.37459	PD.6083	C	#2 ACSR	7.43Y	123.8	0.00	1.24	3.35	2	24	7	96	0.00	0.0	2.501	0.020	24	7	2	2
PL.37043	PL.37041	AB	#4 ACSR	7.45Y	124.2	0.00	0.75	0.00	0	0	0	100	0.00	0.0	1.085	0.038	0	0	0	1
PL.37044	PL.37043	AB	#4 ACSR	7.45Y	124.2	0.00	0.75	0.00	0	0	0	100	0.00	0.0	1.129	0.044	0	0	1	1
PL.37045	PL.37044	AB	#4 ACSR	7.45Y	124.2	0.00	0.75	0.00	0	0	0	100	0.00	0.0	1.164	0.034	0	0	0	0
PL.59594	PL.59576	C	#2 ACSR	7.47Y	124.4	0.00	0.57	2.44	1	17	5	96	0.00	0.0	0.799	0.000	0	0	0	3
PD.5984	PL.59594	C	15T	7.47Y	124.4	0.00	0.57	2.44	0	17	5	96	0.00	0.0	0.799	0.000	0	0	0	3
PL.37364	PD.5984	C	#2 ACSR	7.47Y	124.4	0.00	0.57	2.44	1	17	5	96	0.00	0.0	0.824	0.025	7	2	1	3
PL.37365	PL.37364	C	#2 ACSR	7.47Y	124.4	0.00	0.57	1.43	1	10	3	96	0.00	0.0	0.867	0.043	10	3	2	2
PL.57988	PL.62133	C	#1/0 ACSR	7.47Y	124.6	0.00	0.42	0.68	0	5	1	98	0.00	0.0	0.699	0.002	0	0	0	1
PD.8400	PL.57988	C	40QA	7.47Y	124.6	0.00	0.42	0.68	2	5	1	98	0.00	0.0	0.699	0.002	0	0	0	1
PL.57989	PD.8400	C	#1/0 ACSR	7.47Y	124.6	0.00	0.42	0.68	0	5	1	98	0.00	0.0	0.701	0.002	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: Conway

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.57854	PL.57989	C	#1/0 ACSR	7.47Y	124.6	0.00	0.42	0.00	0	0	0	100	0.00	0.0	0.769	0.069	0	0	0	0
PL.57853	PL.57989	C	#2 ACSR	7.47Y	124.6	0.00	0.42	0.68	0	5	1	98	0.00	0.0	0.745	0.045	5	1	1	1
PL.62131	PL.62132	A	#2 ACSR	7.48Y	124.6	0.00	0.39	0.69	0	5	1	98	0.00	0.0	0.636	0.001	0	0	0	1
PD.9314	PL.62131	A	20QA	7.48Y	124.6	0.00	0.39	0.69	3	5	1	98	0.00	0.0	0.636	0.001	0	0	0	1
PL.62130	PD.9314	A	#2 ACSR	7.48Y	124.6	0.00	0.39	0.69	0	5	1	98	0.00	0.0	0.689	0.053	5	1	1	1
PL.62142	Conway	ABC	336 MCM AC	7.50Y	125.0	0.01	0.01	179.53	35	3828	1289	95	0.17	0.0	0.006	0.006	0	0	0	617
PL.62143	PL.62142	ABC	336 MCM AC	7.50Y	125.0	0.01	0.02	179.53	35	3828	1288	95	0.25	0.0	0.015	0.009	0	0	0	617
---------- Feeder No. 1 (CopperCreek F1) Beginning with Device PD.9305 ----------																				
PD.9305	PL.62143	ABC	480VWE	7.50Y	125.0	0.00	0.02	179.53	0	3828	1288	95	0.00	0.0	0.015	0.009	0	0	0	617
PL.62123	PD.9305	ABC	336 MCM AC	7.50Y	125.0	0.02	0.04	179.53	35	3828	1288	95	0.31	0.0	0.027	0.012	0	0	0	617
PL.62124	PL.62123	ABC	336 MCM AC	7.50Y	124.9	0.04	0.08	179.53	35	3828	1287	95	0.82	0.0	0.057	0.030	0	0	0	617
PL.62134	PL.62124	ABC	336 MCM AC	7.49Y	124.8	0.09	0.17	179.53	35	3827	1285	95	1.65	0.0	0.118	0.061	0	0	0	617
PL.62625	PL.62134	ABC	336 MCM AC	7.49Y	124.8	0.05	0.22	179.53	35	3825	1281	95	0.93	0.0	0.152	0.034	0	0	0	617
PL.62626	PL.62625	ABC	336 MCM AC	7.49Y	124.8	0.01	0.22	179.53	35	3824	1279	95	0.10	0.0	0.156	0.004	0	0	0	617
PL.62603	PL.62626	ABC	336 MCM AC	7.48Y	124.7	0.08	0.30	159.23	31	3387	1146	95	1.38	0.0	0.221	0.065	0	0	0	555
PL.62607	PL.62603	ABC	336 MCM AC	7.46Y	124.3	0.37	0.68	159.23	31	3386	1143	95	6.30	0.2	0.516	0.295	0	0	0	555
PL.62608	PL.62607	C	#2 ACSR	7.46Y	124.3	0.00	0.68	0.00	0	0	0	100	0.00	0.0	0.517	0.001	0	0	0	0
PD.9425	PL.62608	C	50T	7.46Y	124.3	0.00	0.68	0.00	0	0	0	100	0.00	0.0	0.517	0.001	0	0	0	0
PL.62604	PD.9425	C	#2 ACSR	7.46Y	124.3	0.00	0.68	0.00	0	0	0	100	0.00	0.0	0.536	0.018	0	0	0	0
PL.62629	PL.62604	C	#2 ACSR	7.46Y	124.3	0.00	0.68	0.00	0	0	0	100	0.00	0.0	0.538	0.002	0	0	0	0
PL.62630	PL.62629	C	#2 ACSR	7.46Y	124.3	0.00	0.68	0.00	0	0	0	100	0.00	0.0	0.572	0.035	0	0	0	0
PL.62627	PL.62607	ABC	336 MCM AC	7.46Y	124.3	0.00	0.68	159.23	31	3380	1128	95	0.08	0.0	0.520	0.004	0	0	0	555
PL.62628	PL.62627	ABC	336 MCM AC	7.46Y	124.3	0.05	0.73	159.23	31	3380	1128	95	0.82	0.0	0.558	0.038	0	0	0	555
PL.37353	PL.62628	ABC	336 MCM AC	7.45Y	124.2	0.04	0.76	158.64	31	3366	1123	95	0.62	0.0	0.587	0.029	4	1	1	554
PL.62609	PL.37353	A	#2 ACSR	7.45Y	124.2	0.00	0.76	1.10	1	8	2	97	0.00	0.0	0.589	0.002	0	0	0	1
PD.9427	PL.62609	A	50T	7.45Y	124.2	0.00	0.76	1.10	0	8	2	97	0.00	0.0	0.589	0.002	0	0	0	1
PL.62610	PD.9427	A	#2 ACSR	7.45Y	124.2	0.00	0.77	1.10	1	8	2	97	0.00	0.0	0.641	0.052	8	2	1	1
PL.62631	PL.37353	ABC	336 MCM AC	7.45Y	124.2	0.00	0.76	158.07	30	3354	1118	95	0.00	0.0	0.587	0.000	0	0	0	552
PL.62632	PL.62631	ABC	336 MCM AC	7.45Y	124.2	0.07	0.83	158.07	30	3354	1118	95	1.10	0.0	0.640	0.052	14	4	2	552

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Balanced Voltage Drop Report
Source: Conway

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.62633	PL.62632	ABC	336 MCM AC	7.44Y	124.1	0.09	0.92	157.44	30	3339	1111	95	1.50	0.0	0.712	0.072	0	0	0	550
PL.62634	PL.62633	ABC	336 MCM AC	7.44Y	124.1	0.00	0.92	157.44	30	3337	1108	95	0.00	0.0	0.712	0.000	12	4	1	550
PL.62612	PL.62634	ABC	336 MCM AC	7.44Y	124.0	0.11	1.03	156.87	30	3325	1104	95	1.77	0.1	0.797	0.086	0	0	0	549
PL.62786	PL.62612	A	6 A (CWC)	7.44Y	124.0	0.00	1.03	3.20	2	23	7	96	0.00	0.0	0.799	0.002	0	0	0	3
PD.9428	PL.62786	A	50T	7.44Y	124.0	0.00	1.03	3.20	0	23	7	96	0.00	0.0	0.799	0.002	0	0	0	3
PL.62635	PD.9428	A	6 A (CWC)	7.44Y	124.0	0.00	1.03	3.20	2	23	7	96	0.00	0.0	0.801	0.002	0	0	0	3
PL.62636	PL.62635	A	6 A (CWC)	7.44Y	124.0	0.01	1.03	3.20	2	23	7	96	0.00	0.0	0.862	0.061	0	0	0	3
PL.37845	PL.62636	A	#4 ACSR	7.44Y	124.0	0.00	1.03	0.00	0	0	0	100	0.00	0.0	0.919	0.056	0	0	0	0
PL.37354	PL.62636	A	6 A (CWC)	7.44Y	124.0	0.00	1.04	3.20	2	23	7	96	0.00	0.0	0.912	0.050	23	7	3	3
PL.37355	PL.37354	A	6 A (CWC)	7.44Y	124.0	0.00	1.04	0.00	0	0	0	100	0.00	0.0	0.952	0.040	0	0	0	0
PL.62637	PL.62612	ABC	336 MCM AC	7.43Y	123.9	0.10	1.13	152.86	29	3238	1074	95	1.64	0.1	0.880	0.083	0	0	0	535
PL.62638	PL.62637	ABC	336 MCM AC	7.43Y	123.9	0.00	1.13	152.86	29	3236	1070	95	0.00	0.0	0.880	0.000	0	0	0	535
PL.62615	PL.62638	ABC	336 MCM AC	7.43Y	123.8	0.07	1.19	152.86	29	3236	1070	95	1.12	0.0	0.937	0.057	0	0	0	535
PL.62616	PL.62615	B	#1/0 ACSR	7.43Y	123.8	0.00	1.19	0.00	0	0	0	100	0.00	0.0	0.938	0.001	0	0	0	0
PD.9430	PL.62616	B	50T	7.43Y	123.8	0.00	1.19	0.00	0	0	0	100	0.00	0.0	0.938	0.001	0	0	0	0
PL.62639	PD.9430	B	#1/0 ACSR	7.43Y	123.8	0.00	1.19	0.00	0	0	0	100	0.00	0.0	0.942	0.003	0	0	0	0
PL.62640	PL.62639	B	#1/0 ACSR	7.43Y	123.8	0.00	1.19	0.00	0	0	0	100	0.00	0.0	0.945	0.004	0	0	0	0
PL.62641	PL.62615	ABC	336 MCM AC	7.43Y	123.8	0.02	1.22	152.86	29	3235	1068	95	0.35	0.0	0.955	0.018	0	0	0	535
PL.62642	PL.62641	ABC	336 MCM AC	7.43Y	123.8	0.00	1.22	152.86	29	3235	1067	95	0.00	0.0	0.955	0.000	34	10	4	535
PL.62614	PL.62642	B	#2 ACSR	7.43Y	123.8	0.00	1.22	0.00	0	0	0	100	0.00	0.0	0.986	0.031	0	0	0	0
PL.62643	PL.62642	ABC	336 MCM AC	7.43Y	123.8	0.00	1.22	151.27	29	3200	1057	95	0.07	0.0	0.959	0.004	0	0	0	531
PL.62644	PL.62643	ABC	336 MCM AC	7.42Y	123.7	0.12	1.34	151.27	29	3200	1057	95	1.89	0.1	1.057	0.098	0	0	0	531
PL.62537	PL.62644	B	#2 ACSR	7.42Y	123.7	0.00	1.34	0.00	0	0	0	100	0.00	0.0	1.058	0.001	0	0	0	0
PD.9381	PL.62537	B	50T	7.42Y	123.7	0.00	1.34	0.00	0	0	0	100	0.00	0.0	1.058	0.001	0	0	0	0
PL.62645	PD.9381	B	#2 ACSR	7.42Y	123.7	0.00	1.34	0.00	0	0	0	100	0.00	0.0	1.061	0.002	0	0	0	0
PL.62646	PL.62645	B	#2 ACSR	7.42Y	123.7	0.00	1.34	0.00	0	0	0	100	0.00	0.0	1.112	0.051	0	0	0	0
PL.62617	PL.62644	ABC	336 MCM AC	7.42Y	123.6	0.04	1.37	151.27	29	3198	1052	95	0.59	0.0	1.088	0.031	0	0	0	531
PL.62538	PL.62617	A	#1/0 ACSR	7.42Y	123.6	0.00	1.37	0.00	0	0	0	100	0.00	0.0	1.089	0.001	0	0	0	0
PD.9382	PL.62538	A	50T	7.42Y	123.6	0.00	1.37	0.00	0	0	0	100	0.00	0.0	1.089	0.001	0	0	0	0
PL.62649	PD.9382	A	#1/0 ACSR	7.42Y	123.6	0.00	1.37	0.00	0	0	0	100	0.00	0.0	1.103	0.014	0	0	0	0
PL.62650	PL.62649	A	#1/0 ACSR	7.42Y	123.6	0.00	1.37	0.00	0	0	0	100	0.00	0.0	1.108	0.005	0	0	0	0

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Balanced Voltage Drop Report
Source: Conway

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.62647	PL.62617	ABC	336 MCM AC	7.42Y	123.6	0.00	1.37	151.27	29	3198	1051	95	0.03	0.0	1.089	0.001	0	0	0	531
PL.62648	PL.62647	ABC	336 MCM AC	7.41Y	123.6	0.07	1.44	151.27	29	3198	1051	95	1.13	0.0	1.148	0.059	6	2	1	531
PL.62651	PL.62648	ABC	336 MCM AC	7.41Y	123.6	0.00	1.45	150.69	29	3185	1045	95	0.07	0.0	1.151	0.004	0	0	0	529
PL.62652	PL.62651	ABC	336 MCM AC	7.40Y	123.4	0.15	1.60	150.69	29	3184	1044	95	2.43	0.1	1.278	0.127	0	0	0	529
PL.62653	PL.62652	ABC	336 MCM AC	7.40Y	123.4	0.01	1.61	149.69	29	3161	1032	95	0.13	0.0	1.285	0.007	0	0	0	527
PL.62655	PL.62653	ABC	336 MCM AC	7.40Y	123.3	0.06	1.67	149.69	29	3160	1032	95	1.03	0.0	1.340	0.055	0	0	0	527
PL.62656	PL.62655	ABC	336 MCM AC	7.40Y	123.3	0.00	1.67	149.69	29	3159	1030	95	0.01	0.0	1.340	0.000	0	0	0	527
PL.62663	PL.62656	C	#1/0 ACSR	7.40Y	123.3	0.00	1.67	0.00	0	0	0	100	0.00	0.0	1.342	0.001	0	0	0	0
PD.9384	PL.62663	C	50T	7.40Y	123.3	0.00	1.67	0.00	0	0	0	100	0.00	0.0	1.342	0.001	0	0	0	0
PL.62664	PD.9384	C	#1/0 ACSR	7.40Y	123.3	0.00	1.67	0.00	0	0	0	100	0.00	0.0	1.368	0.027	0	0	0	0
PL.62657	PL.62656	ABC	336 MCM AC	7.39Y	123.2	0.09	1.76	149.69	29	3159	1030	95	1.48	0.0	1.419	0.079	17	5	2	527
PL.62665	PL.62657	ABC	336 MCM AC	7.39Y	123.2	0.05	1.81	148.91	29	3141	1021	95	0.73	0.0	1.459	0.039	9	3	1	525
PL.63035	PL.62665	ABC	336 MCM AC	7.39Y	123.2	0.03	1.84	148.47	29	3131	1017	95	0.44	0.0	1.483	0.024	0	0	0	524
PL.63037	PL.63035	C	#1/0 ACSR	7.39Y	123.2	0.00	1.84	1.26	1	9	3	95	0.00	0.0	1.531	0.048	0	0	0	1
PL.63038	PL.63037	C	#1/0 ACSR	7.39Y	123.2	0.00	1.84	1.26	1	9	3	95	0.00	0.0	1.587	0.057	9	3	1	1
PL.63036	PL.63035	ABC	336 MCM AC	7.39Y	123.1	0.02	1.86	148.05	29	3122	1013	95	0.34	0.0	1.501	0.018	0	0	0	523
PL.62666	PL.63036	ABC	336 MCM AC	7.39Y	123.1	0.05	1.91	148.05	29	3122	1012	95	0.80	0.0	1.544	0.044	0	0	0	523
PL.62670	PL.62666	A	#1/0 ACSR	7.39Y	123.1	0.00	1.91	2.90	1	21	6	96	0.00	0.0	1.548	0.004	0	0	0	4
PD.9385	PL.62670	A	50T	7.39Y	123.1	0.00	1.91	2.90	0	21	6	96	0.00	0.0	1.548	0.004	0	0	0	4
PL.62671	PD.9385	A	#1/0 ACSR	7.39Y	123.1	0.00	1.91	2.90	1	21	6	96	0.00	0.0	1.563	0.015	0	0	0	4
PL.62658	PL.62671	A	6 A (CWC)	7.39Y	123.1	0.00	1.91	2.90	2	21	6	96	0.00	0.0	1.563	0.000	14	4	3	4
PL.38691	PL.62658	A	6 A (CWC)	7.39Y	123.1	0.00	1.91	0.94	1	7	2	96	0.00	0.0	1.586	0.023	0	0	0	1
PL.38692	PL.38691	A	6 A (CWC)	7.39Y	123.1	0.00	1.91	0.94	1	7	2	96	0.00	0.0	1.666	0.080	7	2	1	1
PL.62667	PL.62666	ABC	336 MCM AC	7.38Y	123.1	0.03	1.94	147.09	28	3100	1004	95	0.50	0.0	1.572	0.028	8	2	1	519
PL.62668	PL.62667	ABC	336 MCM AC	7.38Y	123.0	0.03	1.97	146.69	28	3091	1001	95	0.47	0.0	1.598	0.026	12	3	1	518
PL.62672	PL.62668	A	#1/0 ACSR	7.38Y	123.0	0.00	1.97	10.86	5	77	23	96	0.00	0.0	1.602	0.003	0	0	0	11
PD.9386	PL.62672	A	50T	7.38Y	123.0	0.00	1.97	10.86	0	77	23	96	0.00	0.0	1.602	0.003	0	0	0	11
PL.62673	PD.9386	A	#1/0 ACSR	7.38Y	123.0	0.00	1.97	10.86	5	77	23	96	0.00	0.0	1.615	0.013	11	3	1	11
PL.64303	PL.62673	A	6 A (CWC)	7.38Y	123.0	0.01	1.99	9.31	7	66	20	96	0.01	0.0	1.649	0.034	0	0	0	10
PL.64302	PL.64303	A	6 A (CWC)	7.38Y	123.0	0.00	1.99	9.31	7	66	20	96	0.00	0.0	1.649	0.000	42	12	4	10
PL.62662	PL.64302	A	6 A (CWC)	7.38Y	123.0	0.00	1.99	0.43	0	3	1	95	0.00	0.0	1.661	0.012	3	1	2	2

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Balanced Voltage Drop Report
Source: Conway

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.38693	PL.64302	A	6 A (CWC)	7.38Y	123.0	0.00	1.99	3.01	2	21	6	96	0.00	0.0	1.679	0.031	7	2	2	4
PL.38694	PL.38693	A	6 A (CWC)	7.38Y	123.0	0.00	1.99	1.98	1	14	4	96	0.00	0.0	1.714	0.035	14	4	2	2
PL.62669	PL.62668	ABC	336 MCM AC	7.38Y	123.0	0.03	2.01	142.53	27	3003	973	95	0.54	0.0	1.630	0.031	0	0	0	506
PL.62562	PL.62669	ABC	336 MCM AC	7.38Y	123.0	0.03	2.04	142.53	27	3002	972	95	0.51	0.0	1.660	0.030	0	0	0	506
PL.62565	PL.62562	A	#1/0 ACSR	7.38Y	123.0	0.00	2.04	0.26	0	2	1	89	0.00	0.0	1.663	0.004	0	0	0	2
PD.9387	PL.62565	A	50T	7.38Y	123.0	0.00	2.04	0.26	0	2	1	89	0.00	0.0	1.663	0.004	0	0	0	2
PL.62566	PD.9387	A	#1/0 ACSR	7.38Y	123.0	0.00	2.04	0.26	0	2	1	89	0.00	0.0	1.676	0.013	2	0	1	2
PL.62564	PL.62566	A	6 A (CWC)	7.38Y	123.0	0.00	2.04	0.03	0	0	0	100	0.00	0.0	1.721	0.045	0	0	1	1
PL.62563	PL.62562	ABC	336 MCM AC	7.37Y	122.9	0.05	2.09	142.44	27	3000	970	95	0.78	0.0	1.705	0.046	15	4	2	504
PL.62871	PL.62563	ABC	336 MCM AC	7.37Y	122.8	0.10	2.19	141.74	27	2984	964	95	1.46	0.0	1.792	0.086	0	0	0	502
PL.62872	PL.62871	ABC	336 MCM AC	7.37Y	122.8	0.06	2.24	141.74	27	2982	961	95	0.87	0.0	1.843	0.052	8	2	1	502
PL.62873	PL.62872	C	6 A (CWC)	7.37Y	122.8	0.00	2.24	0.00	0	0	0	100	0.00	0.0	1.847	0.003	0	0	0	0
PL.62890	PL.62872	ABC	336 MCM AC	7.36Y	122.7	0.05	2.29	138.35	27	2910	937	95	0.75	0.0	1.890	0.046	0	0	0	489
PL.62889	PL.62890	ABC	336 MCM AC	7.36Y	122.7	0.03	2.33	138.35	27	2909	936	95	0.52	0.0	1.922	0.032	26	8	4	489
PL.62888	PL.62889	ABC	336 MCM AC	7.36Y	122.6	0.07	2.39	137.14	26	2883	927	95	0.99	0.0	1.984	0.062	0	0	0	485
PL.62887	PL.62888	A	6 A (CWC)	7.36Y	122.6	0.00	2.39	1.32	1	9	3	95	0.00	0.0	1.988	0.004	0	0	0	1
PD.9388	PL.62887	A	40T	7.36Y	122.6	0.00	2.39	1.32	0	9	3	95	0.00	0.0	1.988	0.004	0	0	0	1
PL.62570	PD.9388	A	6 A (CWC)	7.36Y	122.6	0.00	2.39	1.32	1	9	3	95	0.00	0.0	2.015	0.027	9	3	1	1
PL.62886	PL.62888	ABC	336 MCM AC	7.35Y	122.5	0.09	2.48	136.70	26	2873	922	95	1.27	0.0	2.065	0.081	0	0	0	484
PL.62571	PL.62886	A	#1/0 ACSR	7.35Y	122.5	0.00	2.48	0.00	0	0	0	100	0.00	0.0	2.068	0.004	0	0	0	0
PD.9389	PL.62571	A	40T	7.35Y	122.5	0.00	2.48	0.00	0	0	0	100	0.00	0.0	2.068	0.004	0	0	0	0
PL.62572	PD.9389	A	#1/0 ACSR	7.35Y	122.5	0.00	2.48	0.00	0	0	0	100	0.00	0.0	2.092	0.024	0	0	0	0
PL.62573	PL.62886	ABC	336 MCM AC	7.35Y	122.5	0.07	2.55	136.70	26	2871	919	95	1.02	0.0	2.130	0.065	0	0	0	484
PL.62574	PL.62573	A	#1/0 ACSR	7.35Y	122.5	0.00	2.55	0.48	0	3	1	95	0.00	0.0	2.133	0.003	0	0	0	1
PD.9390	PL.62574	A	40T	7.35Y	122.5	0.00	2.55	0.48	0	3	1	95	0.00	0.0	2.133	0.003	0	0	0	1
PL.62785	PD.9390	A	#1/0 ACSR	7.35Y	122.5	0.00	2.55	0.48	0	3	1	95	0.00	0.0	2.151	0.018	3	1	1	1
PL.62575	PL.62573	ABC	336 MCM AC	7.34Y	122.4	0.04	2.59	136.54	26	2867	915	95	0.65	0.0	2.172	0.042	0	0	0	483
PL.62576	PL.62575	ABC	336 MCM AC	7.34Y	122.4	0.05	2.64	136.54	26	2866	914	95	0.67	0.0	2.214	0.043	14	4	1	483
PL.62577	PL.62576	ABC	336 MCM AC	7.34Y	122.3	0.06	2.69	135.90	26	2852	908	95	0.83	0.0	2.268	0.053	15	4	2	482
PL.62659	PL.62577	C	#4 ACSR	7.34Y	122.3	0.00	2.69	0.00	0	0	0	100	0.00	0.0	2.268	0.000	0	0	0	0
PL.62704	PL.62577	ABC	336 MCM AC	7.34Y	122.3	0.03	2.72	135.19	26	2836	902	95	0.41	0.0	2.294	0.027	13	4	2	480

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Balanced Voltage Drop Report
Source: Conway

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.62591	PL.62704	ABC	336 MCM AC	7.33Y	122.2	0.06	2.78	134.58	26	2823	897	95	0.81	0.0	2.348	0.053	11	3	3	478
PL.62590	PL.62591	A	#2 ACSR	7.33Y	122.2	0.00	2.78	1.26	1	9	3	95	0.00	0.0	2.348	0.001	0	0	0	1
PD.9391	PL.62590	A	40T	7.33Y	122.2	0.00	2.78	1.26	0	9	3	95	0.00	0.0	2.348	0.001	0	0	0	1
PL.62578	PD.9391	A	#2 ACSR	7.33Y	122.2	0.00	2.78	1.26	1	9	3	95	0.00	0.0	2.377	0.029	9	3	1	1
PL.62818	PL.62591	ABC	336 MCM AC	7.33Y	122.2	0.04	2.82	133.64	26	2802	889	95	0.61	0.0	2.388	0.041	21	6	2	474
PL.62820	PL.62818	A	#1/0 ACSR	7.33Y	122.2	0.00	2.82	1.74	1	12	4	95	0.00	0.0	2.392	0.003	0	0	0	3
PD.9452	PL.62820	A	40T	7.33Y	122.2	0.00	2.82	1.74	0	12	4	95	0.00	0.0	2.392	0.003	0	0	0	3
PL.62821	PD.9452	A	#1/0 ACSR	7.33Y	122.2	0.00	2.82	1.74	1	12	4	95	0.00	0.0	2.413	0.021	8	3	1	3
PL.62822	PL.62821	A	#1/0 ACSR	7.33Y	122.2	0.00	2.82	0.54	0	4	1	97	0.00	0.0	2.450	0.037	4	1	2	2
PL.62819	PL.62818	ABC	336 MCM AC	7.33Y	122.1	0.05	2.87	132.07	25	2769	878	95	0.69	0.0	2.435	0.047	3	1	1	469
PL.47464	PL.62819	ABC	#2 ACSR	7.33Y	122.1	0.01	2.87	5.67	3	119	36	96	0.01	0.0	2.473	0.038	0	0	0	25
PL.64476	PL.47464	B	#4 ACSR	7.33Y	122.1	0.00	2.87	0.00	0	0	0	100	0.00	0.0	2.478	0.004	0	0	0	0
PD.9545	PL.64476	B	20T	7.33Y	122.1	0.00	2.87	0.00	0	0	0	100	0.00	0.0	2.478	0.004	0	0	0	0
PL.64477	PD.9545	B	#4 ACSR	7.33Y	122.1	0.00	2.87	0.00	0	0	0	100	0.00	0.0	2.566	0.089	0	0	0	0
PL.46974	PL.64477	B	#4 ACSR	7.33Y	122.1	0.00	2.87	0.00	0	0	0	100	0.00	0.0	2.630	0.064	0	0	0	0
PL.62579	PL.47464	ABC	#2 ACSR	7.33Y	122.1	0.01	2.88	5.67	3	119	36	96	0.01	0.0	2.550	0.076	0	0	0	25
PL.62581	PL.62579	ABC	#2 ACSR	7.33Y	122.1	0.00	2.89	5.39	3	113	34	96	0.00	0.0	2.576	0.026	0	0	0	24
PL.62582	PL.62581	C	#2 ACSR	7.33Y	122.1	0.00	2.89	16.16	9	113	34	96	0.00	0.0	2.579	0.004	0	0	0	24
PD.9392	PL.62582	C	T	7.33Y	122.1	0.00	2.89	16.16	0	113	34	96	0.00	0.0	2.579	0.004	0	0	0	24
PL.62583	PD.9392	C	#2 ACSR	7.33Y	122.1	0.03	2.92	16.16	9	113	34	96	0.02	0.0	2.628	0.049	0	0	0	24
PL.37344	PL.62583	C	6 A (CWC)	7.32Y	122.1	0.01	2.93	16.16	12	113	34	96	0.01	0.0	2.644	0.016	0	0	0	24
PL.37319	PL.37344	C	6 A (CWC)	7.32Y	122.0	0.04	2.97	16.16	12	113	34	96	0.04	0.0	2.700	0.056	0	0	0	24
PD.5236	PL.37319	C	40T	7.32Y	122.0	0.00	2.97	16.16	0	113	34	96	0.00	0.0	2.700	0.056	0	0	0	24
PL.37320	PD.5236	C	6 A (CWC)	7.32Y	122.0	0.00	2.97	16.16	12	113	34	96	0.00	0.0	2.701	0.001	0	0	0	24
PL.37275	PL.37320	C	6 A (CWC)	7.32Y	122.0	0.02	2.99	16.16	12	113	34	96	0.02	0.0	2.725	0.024	0	0	0	24
PL.60236	PL.37275	C	6 A (CWC)	7.32Y	122.0	0.01	3.00	16.16	12	113	34	96	0.01	0.0	2.742	0.017	21	6	2	24
PL.60237	PL.60236	C	6 A (CWC)	7.32Y	122.0	0.04	3.04	8.03	6	56	17	96	0.02	0.0	2.843	0.101	0	0	0	14
PL.58532	PL.60237	C	6 A (CWC)	7.32Y	121.9	0.05	3.08	7.36	5	52	15	96	0.02	0.0	2.976	0.133	0	0	0	13
PD.8708	PL.58532	C	15T	7.32Y	121.9	0.00	3.08	7.36	0	52	15	96	0.00	0.0	2.976	0.133	0	0	0	13
PL.58533	PD.8708	C	6 A (CWC)	7.31Y	121.9	0.02	3.10	7.36	5	52	15	96	0.01	0.0	3.029	0.054	3	1	1	13
PL.37424	PL.58533	C	6 A (CWC)	7.31Y	121.8	0.05	3.15	6.89	5	48	14	96	0.02	0.0	3.201	0.172	2	1	1	12

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Balanced Voltage Drop Report
Source: Conway

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.37517	PL.37424	C	6 A (CWC)	7.31Y	121.8	0.03	3.18	3.94	3	28	8	96	0.01	0.0	3.385	0.184	6	2	1	7
PL.37425	PL.37517	C	6 A (CWC)	7.31Y	121.8	0.00	3.18	0.72	1	5	1	98	0.00	0.0	3.438	0.052	0	0	0	2
PL.38113	PL.37425	C	6 A (CWC)	7.31Y	121.8	0.00	3.18	0.72	1	5	1	98	0.00	0.0	3.526	0.088	5	1	2	2
PL.38114	PL.37517	C	6 A (CWC)	7.31Y	121.8	0.01	3.19	2.42	2	17	5	96	0.00	0.0	3.462	0.076	0	0	1	4
PL.38112	PL.38114	C	6 A (CWC)	7.31Y	121.8	0.01	3.20	2.35	2	16	5	95	0.00	0.0	3.514	0.052	1	0	1	3
PL.38115	PL.38112	C	6 A (CWC)	7.31Y	121.8	0.00	3.20	2.17	2	15	5	95	0.00	0.0	3.575	0.061	8	2	1	2
PL.38116	PL.38115	C	6 A (CWC)	7.31Y	121.8	0.00	3.20	1.01	1	7	2	96	0.00	0.0	3.639	0.065	7	2	1	1
PL.38342	PL.37424	C	6 A (CWC)	7.31Y	121.8	0.01	3.16	2.60	2	18	5	96	0.00	0.0	3.358	0.156	11	3	2	4
PL.38117	PL.38342	C	6 A (CWC)	7.31Y	121.8	0.01	3.17	1.08	1	8	2	97	0.00	0.0	3.528	0.170	4	1	1	2
PL.38118	PL.38117	C	6 A (CWC)	7.31Y	121.8	0.00	3.18	0.53	0	4	1	97	0.00	0.0	3.891	0.363	4	1	1	1
PL.38119	PL.38118	C	6 A (CWC)	7.31Y	121.8	0.00	3.18	0.00	0	0	0	100	0.00	0.0	4.012	0.121	0	0	0	0
PL.38144	PL.38118	C	#2 ACSR	7.31Y	121.8	0.00	3.18	0.00	0	0	0	100	0.00	0.0	4.079	0.188	0	0	0	0
PL.37106	PL.60237	C	#4 ACSR	7.32Y	122.0	0.00	3.04	0.67	1	5	1	98	0.00	0.0	2.905	0.062	5	1	1	1
PL.60238	PL.60236	C	6 A (CWC)	7.32Y	122.0	0.00	3.00	5.20	4	36	11	96	0.00	0.0	2.745	0.003	0	0	0	8
PD.8949	PL.60238	C	25T	7.32Y	122.0	0.00	3.00	5.20	0	36	11	96	0.00	0.0	2.745	0.003	0	0	0	8
PL.60235	PD.8949	C	6 A (CWC)	7.32Y	122.0	0.04	3.04	5.20	4	36	11	96	0.01	0.0	2.919	0.173	0	0	1	8
PL.38337	PL.60235	C	6 A (CWC)	7.32Y	121.9	0.02	3.06	5.14	4	36	11	96	0.01	0.0	3.017	0.098	0	0	0	7
PL.38338	PL.38337	C	6 A (CWC)	7.32Y	121.9	0.02	3.08	3.65	3	26	8	96	0.00	0.0	3.115	0.097	0	0	0	6
PL.37280	PL.38338	C	#4 ACSR	7.32Y	121.9	0.00	3.08	1.15	1	8	2	97	0.00	0.0	3.191	0.076	8	2	1	1
PL.38339	PL.38338	C	6 A (CWC)	7.31Y	121.9	0.03	3.11	2.50	2	18	5	96	0.00	0.0	3.437	0.322	5	1	2	5
PL.38340	PL.38339	C	6 A (CWC)	7.31Y	121.9	0.02	3.13	1.78	1	12	4	95	0.00	0.0	3.634	0.197	0	0	0	3
PL.38341	PL.38340	C	6 A (CWC)	7.31Y	121.9	0.00	3.13	0.31	0	2	1	89	0.00	0.0	3.846	0.213	0	0	0	2
PL.60241	PL.38341	C	6 A (CWC)	7.31Y	121.9	0.00	3.13	0.31	0	2	1	89	0.00	0.0	3.846	0.000	0	0	0	2
PD.8950	PL.60241	C	15T	7.31Y	121.9	0.00	3.13	0.31	0	2	1	89	0.00	0.0	3.846	0.000	0	0	0	2
PL.60242	PD.8950	C	6 A (CWC)	7.31Y	121.9	0.00	3.13	0.31	0	2	1	89	0.00	0.0	3.847	0.000	0	0	0	2
PL.60239	PL.60242	C	6 A (CWC)	7.31Y	121.9	0.00	3.13	0.15	0	1	0	100	0.00	0.0	3.942	0.095	1	0	1	1
PL.60240	PL.60242	C	6 A (CWC)	7.31Y	121.9	0.00	3.13	0.17	0	1	0	100	0.00	0.0	4.183	0.337	1	0	1	1
PL.37306	PL.38340	C	#4 ACSR	7.31Y	121.9	0.00	3.13	1.47	1	10	3	96	0.00	0.0	3.702	0.068	10	3	1	1
PL.37107	PL.38337	C	6 A (CWC)	7.32Y	121.9	0.00	3.07	1.49	1	10	3	96	0.00	0.0	3.072	0.055	10	3	1	1
PL.62580	PL.62579	B	#4 ACSR	7.33Y	122.1	0.00	2.88	0.85	1	6	2	95	0.00	0.0	2.551	0.001	0	0	0	1
PD.7428	PL.62580	B	40QA	7.33Y	122.1	0.00	2.88	0.85	2	6	2	95	0.00	0.0	2.551	0.001	0	0	0	1

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Balanced Voltage Drop Report
Source: Conway

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.46975	PD.7428	B	#4 ACSR	7.33Y	122.1	0.00	2.89	0.85	1	6	2	95	0.00	0.0	2.590	0.040	6	2	1	1
PL.47463	PL.62819	ABC	#2 ACSR	7.31Y	121.9	0.22	3.08	126.25	72	2645	840	95	4.40	0.2	2.502	0.067	8	2	1	443
PL.46922	PL.47463	ABC	#2 ACSR	7.30Y	121.7	0.20	3.29	125.63	72	2628	834	95	4.10	0.2	2.566	0.063	0	0	0	440
PL.46915	PL.46922	A	#4 ACSR	7.30Y	121.7	0.00	3.29	6.75	5	47	14	96	0.00	0.0	2.567	0.001	0	0	0	5
PD.7380	PL.46915	A	40QA	7.30Y	121.7	0.00	3.29	6.75	17	47	14	96	0.00	0.0	2.567	0.001	0	0	0	5
PL.46916	PD.7380	A	#4 ACSR	7.30Y	121.7	0.03	3.31	6.75	5	47	14	96	0.01	0.0	2.666	0.099	12	4	1	5
PL.46913	PL.46916	A	#4 ACSR	7.30Y	121.7	0.01	3.32	5.03	4	35	10	96	0.00	0.0	2.737	0.070	29	9	3	4
PL.58958	PL.46913	A	#4 ACSR	7.30Y	121.7	0.00	3.32	0.84	1	6	2	95	0.00	0.0	2.755	0.018	6	2	1	1
PL.63680	PL.46922	ABC	#2 ACSR	7.29Y	121.5	0.24	3.53	123.38	71	2576	817	95	4.84	0.2	2.643	0.078	0	0	0	435
PL.63682	PL.63680	ABC	#1/0 ACSR	7.29Y	121.4	0.02	3.55	17.97	8	377	112	96	0.06	0.0	2.712	0.068	0	0	0	71
PL.46917	PL.63682	ABC	#1/0 ACSR	7.29Y	121.4	0.02	3.57	17.15	7	359	107	96	0.04	0.0	2.766	0.055	0	0	0	69
PL.46921	PL.46917	ABC	#1/0 ACSR	7.29Y	121.4	0.00	3.57	17.15	7	359	107	96	0.00	0.0	2.767	0.001	0	0	0	69
PD.7558	PL.46921	ABC	50L	7.29Y	121.4	0.00	3.57	17.15	34	359	107	96	0.00	0.0	2.767	0.001	0	0	0	69
PL.46705	PD.7558	ABC	#1/0 ACSR	7.28Y	121.4	0.03	3.60	17.15	7	359	107	96	0.07	0.0	2.863	0.096	0	0	0	69
PL.47433	PL.46705	C	#2 ACSR	7.28Y	121.4	0.00	3.60	2.69	2	19	6	95	0.00	0.0	2.905	0.042	19	6	3	3
PL.63993	PL.46705	ABC	#1/0 ACSR	7.28Y	121.4	0.02	3.62	16.26	7	340	101	96	0.05	0.0	2.941	0.078	0	0	0	66
PL.63995	PL.63993	A	#4 ACSR	7.28Y	121.4	0.00	3.62	0.17	0	1	0	100	0.00	0.0	2.942	0.001	0	0	0	1
PD.7429	PL.63995	A	40QA	7.28Y	121.4	0.00	3.62	0.17	0	1	0	100	0.00	0.0	2.942	0.001	0	0	0	1
PL.48563	PD.7429	A	#4 ACSR	7.28Y	121.4	0.00	3.62	0.17	0	1	0	100	0.00	0.0	3.009	0.067	1	0	1	1
PL.63994	PL.63993	ABC	#1/0 ACSR	7.28Y	121.4	0.02	3.64	15.97	7	334	100	96	0.03	0.0	2.994	0.053	14	4	3	64
PL.48562	PL.63994	ABC	#1/0 ACSR	7.28Y	121.3	0.03	3.67	15.29	7	320	95	96	0.06	0.0	3.092	0.098	0	0	0	61
PL.48565	PL.48562	ABC	#1/0 ACSR	7.28Y	121.3	0.02	3.69	14.87	6	311	93	96	0.05	0.0	3.182	0.090	0	0	0	59
PL.48568	PL.48565	ABC	#1/0 ACSR	7.28Y	121.3	0.03	3.72	14.70	6	308	92	96	0.06	0.0	3.296	0.114	9	3	6	58
PL.48569	PL.48568	C	#2 ACSR	7.28Y	121.3	0.00	3.72	2.08	1	15	4	97	0.00	0.0	3.301	0.006	0	0	0	1
PD.7541	PL.48569	C	40QA	7.28Y	121.3	0.00	3.72	2.08	5	15	4	97	0.00	0.0	3.301	0.006	0	0	0	1
PL.48570	PD.7541	C	#2 ACSR	7.28Y	121.3	0.00	3.72	2.08	1	15	4	97	0.00	0.0	3.342	0.041	15	4	1	1
PL.48571	PL.48568	ABC	#1/0 ACSR	7.28Y	121.3	0.02	3.74	13.55	6	284	84	96	0.03	0.0	3.361	0.065	0	0	0	51
PL.48613	PL.48571	ABC	#1/0 ACSR	7.28Y	121.3	0.01	3.74	13.55	6	284	84	96	0.01	0.0	3.385	0.024	7	2	1	51
PL.48615	PL.48613	C	6 A (CWC)	7.28Y	121.3	0.00	3.74	2.67	2	19	6	95	0.00	0.0	3.391	0.006	0	0	0	2
PD.7447	PL.48615	C	40QA	7.28Y	121.3	0.00	3.74	2.67	7	19	6	95	0.00	0.0	3.391	0.006	0	0	0	2
PL.48616	PD.7447	C	6 A (CWC)	7.27Y	121.2	0.01	3.76	2.67	2	19	6	95	0.00	0.0	3.559	0.168	11	3	1	2

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

Balanced Voltage Drop Report
Source: Conway

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.48614	PL.48616	C	6 A (CWC)	7.27Y	121.2	0.00	3.76	1.14	1	8	2	97	0.00	0.0	3.577	0.018	8	2	1	1
PL.48617	PL.48613	ABC	#1/0 ACSR	7.27Y	121.2	0.02	3.76	12.34	5	258	77	96	0.03	0.0	3.470	0.085	2	1	1	48
PL.48620	PL.48617	ABC	#1/0 ACSR	7.27Y	121.2	0.01	3.77	12.22	5	256	76	96	0.02	0.0	3.510	0.040	0	0	0	47
PL.48621	PL.48620	ABC	#1/0 ACSR	7.27Y	121.2	0.02	3.79	12.22	5	256	76	96	0.04	0.0	3.616	0.106	0	0	0	46
PL.48624	PL.48621	A	#4 ACSR	7.27Y	121.2	0.01	3.80	23.24	18	162	48	96	0.01	0.0	3.621	0.005	0	0	0	28
PD.7450	PL.48624	A	40QA	7.27Y	121.2	0.00	3.80	23.24	58	162	48	96	0.00	0.0	3.621	0.005	0	0	0	28
PL.63996	PD.7450	A	#4 ACSR	7.27Y	121.2	0.05	3.85	23.24	18	162	48	96	0.06	0.0	3.666	0.045	0	0	0	28
PL.64168	PL.63996	A	#4 ACSR	7.26Y	121.1	0.07	3.92	15.01	12	105	31	96	0.05	0.1	3.782	0.115	19	6	3	17
PL.64165	PL.64168	A	#4 ACSR	7.26Y	121.1	0.00	3.92	0.73	1	5	2	93	0.00	0.0	3.833	0.051	5	2	1	1
PL.64170	PL.64168	A	#4 ACSR	7.26Y	121.1	0.02	3.94	7.22	6	50	15	96	0.01	0.0	3.863	0.081	25	7	4	9
PL.64275	PL.64170	A	#4 ACSR	7.26Y	121.0	0.02	3.96	3.62	3	25	7	96	0.00	0.0	4.032	0.169	8	2	1	5
PL.64207	PL.64275	A	#4 ACSR	7.26Y	121.0	0.00	3.96	2.41	2	17	5	96	0.00	0.0	4.073	0.041	9	3	3	4
PL.64208	PL.64207	A	#4 ACSR	7.26Y	121.0	0.00	3.96	1.13	1	8	2	97	0.00	0.0	4.098	0.026	8	2	1	1
PL.64169	PL.64168	A	#4 ACSR	7.26Y	121.1	0.01	3.93	4.40	3	31	9	96	0.00	0.0	3.831	0.049	14	4	2	4
PL.64277	PL.64169	A	#4 ACSR	7.26Y	121.1	0.01	3.93	2.45	2	17	5	96	0.00	0.0	3.918	0.087	0	0	0	2
PL.64171	PL.64277	A	#4 ACSR	7.26Y	121.1	0.01	3.95	2.45	2	17	5	96	0.00	0.0	4.047	0.129	8	2	1	2
PL.64172	PL.64171	A	#4 ACSR	7.26Y	121.1	0.00	3.95	1.31	1	9	3	95	0.00	0.0	4.174	0.127	9	3	1	1
PL.64278	PL.64277	A	#4 ACSR	7.26Y	121.1	0.00	3.93	0.00	0	0	0	100	0.00	0.0	3.988	0.070	0	0	0	0
PL.63998	PL.63996	A	#4 ACSR	7.27Y	121.1	0.01	3.86	5.11	4	36	11	96	0.00	0.0	3.757	0.091	28	8	3	6
PL.48627	PL.63998	A	#4 ACSR	7.27Y	121.1	0.00	3.86	1.07	1	7	2	96	0.00	0.0	3.757	0.000	0	0	0	3
PL.48630	PL.48627	A	#4 ACSR	7.27Y	121.1	0.00	3.86	1.07	1	7	2	96	0.00	0.0	3.788	0.031	2	1	2	3
PL.48631	PL.48630	A	#4 ACSR	7.27Y	121.1	0.00	3.86	0.79	1	6	2	95	0.00	0.0	3.855	0.066	6	2	1	1
PL.63997	PL.63996	A	#4 ACSR	7.27Y	121.1	0.00	3.85	3.11	2	22	6	96	0.00	0.0	3.711	0.044	10	3	2	5
PL.48626	PL.63997	A	#4 ACSR	7.27Y	121.1	0.00	3.85	1.66	1	12	3	97	0.00	0.0	3.777	0.066	12	3	3	3
PL.48625	PL.48621	B	#2 ACSR	7.27Y	121.2	0.02	3.82	13.43	8	94	28	96	0.01	0.0	3.665	0.048	0	0	0	18
PL.48634	PL.48625	B	#2 ACSR	7.27Y	121.2	0.02	3.83	12.23	7	85	25	96	0.01	0.0	3.714	0.049	0	0	1	17
PL.47265	PL.48634	B	#2 ACSR	7.27Y	121.2	0.00	3.83	0.00	0	0	0	100	0.00	0.0	3.772	0.058	0	0	0	0
PL.48635	PL.48634	B	#2 ACSR	7.27Y	121.1	0.03	3.87	12.23	7	85	25	96	0.02	0.0	3.798	0.084	7	2	1	16
PL.63999	PL.48635	B	#2 ACSR	7.27Y	121.1	0.05	3.91	11.16	6	78	23	96	0.03	0.0	3.936	0.139	0	0	0	15
PL.64000	PL.63999	B	#2 ACSR	7.27Y	121.1	0.00	3.92	1.92	1	13	4	96	0.00	0.0	3.976	0.039	8	2	1	2
PL.47499	PL.64000	B	#2 ACSR	7.26Y	121.1	0.00	3.92	0.72	0	5	1	98	0.00	0.0	4.147	0.171	5	1	1	1

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Balanced Voltage Drop Report
Source: Conway

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.64198	PL.63999	B	#2 ACSR	7.26Y	121.1	0.03	3.94	9.24	5	64	19	96	0.01	0.0	4.030	0.094	0	0	0	13
PL.64166	PL.64198	B	#2 ACSR	7.26Y	121.0	0.02	3.96	9.24	5	64	19	96	0.01	0.0	4.105	0.075	6	2	2	13
PL.64167	PL.64166	B	#2 ACSR	7.26Y	121.0	0.02	3.98	8.40	5	58	17	96	0.01	0.0	4.172	0.067	7	2	2	11
PL.64163	PL.64167	B	#2 ACSR	7.26Y	121.0	0.03	4.01	7.36	4	51	15	96	0.01	0.0	4.306	0.134	5	2	1	9
PL.64162	PL.64163	B	#2 ACSR	7.26Y	121.0	0.00	4.01	0.61	0	4	1	97	0.00	0.0	4.433	0.127	4	1	2	2
PL.64164	PL.64163	B	#2 ACSR	7.26Y	121.0	0.02	4.03	5.98	3	42	12	96	0.01	0.0	4.399	0.093	1	0	1	6
PL.64181	PL.64164	B	#2 ACSR	7.26Y	121.0	0.01	4.03	5.90	3	41	12	96	0.00	0.0	4.433	0.035	5	1	1	5
PL.64179	PL.64181	B	#2 ACSR	7.26Y	121.0	0.01	4.04	1.87	1	13	4	96	0.00	0.0	4.704	0.271	13	4	1	1
PL.64180	PL.64181	B	#2 ACSR	7.26Y	121.0	0.01	4.04	3.36	2	23	7	96	0.00	0.0	4.511	0.078	11	3	1	3
PL.64193	PL.64180	B	#2 ACSR	7.26Y	121.0	0.00	4.04	0.75	0	5	2	93	0.00	0.0	4.606	0.095	5	2	1	1
PL.64194	PL.64193	B	#2 ACSR	7.26Y	121.0	0.00	4.04	0.00	0	0	0	100	0.00	0.0	4.686	0.080	0	0	0	0
PL.64274	PL.64180	B	#2 ACSR	7.26Y	121.0	0.00	4.04	0.97	1	7	2	96	0.00	0.0	4.553	0.042	7	2	1	1
PL.48632	PL.48625	B	#2 ACSR	7.27Y	121.2	0.00	3.82	1.19	1	8	2	97	0.00	0.0	3.668	0.003	0	0	0	1
PD.7381	PL.48632	B	40QA	7.27Y	121.2	0.00	3.82	1.19	3	8	2	97	0.00	0.0	3.668	0.003	0	0	0	1
PL.48633	PD.7381	B	#2 ACSR	7.27Y	121.2	0.00	3.82	1.19	1	8	2	97	0.00	0.0	3.700	0.031	8	2	1	1
PL.48622	PL.48620	C	#4 ACSR	7.27Y	121.2	0.00	3.77	0.00	0	0	0	100	0.00	0.0	3.514	0.004	0	0	0	1
PD.7449	PL.48622	C	40QA	7.27Y	121.2	0.00	3.77	0.00	0	0	0	100	0.00	0.0	3.514	0.004	0	0	0	1
PL.48623	PD.7449	C	#4 ACSR	7.27Y	121.2	0.00	3.77	0.00	0	0	0	100	0.00	0.0	3.679	0.165	0	0	1	1
PL.48618	PL.48617	A	#2 ACSR	7.27Y	121.2	0.00	3.76	0.00	0	0	0	100	0.00	0.0	3.476	0.005	0	0	0	0
PD.7448	PL.48618	A	40QA	7.27Y	121.2	0.00	3.76	0.00	0	0	0	100	0.00	0.0	3.476	0.005	0	0	0	0
PL.48619	PD.7448	A	#2 ACSR	7.27Y	121.2	0.00	3.76	0.00	0	0	0	100	0.00	0.0	3.496	0.021	0	0	0	0
PL.48566	PL.48565	C	#4 ACSR	7.28Y	121.3	0.00	3.69	0.52	0	4	1	97	0.00	0.0	3.183	0.001	0	0	0	1
PD.7430	PL.48566	C	40QA	7.28Y	121.3	0.00	3.69	0.52	1	4	1	97	0.00	0.0	3.183	0.001	0	0	0	1
PL.48567	PD.7430	C	#4 ACSR	7.28Y	121.3	0.00	3.69	0.52	0	4	1	97	0.00	0.0	3.218	0.035	4	1	1	1
PL.48564	PL.48562	A	#2 ACSR	7.28Y	121.3	0.00	3.67	1.26	1	9	3	95	0.00	0.0	3.093	0.001	0	0	0	2
PD.7540	PL.48564	A	40QA	7.28Y	121.3	0.00	3.67	1.26	3	9	3	95	0.00	0.0	3.093	0.001	0	0	0	2
PL.48628	PD.7540	A	#2 ACSR	7.28Y	121.3	0.00	3.67	1.26	1	9	3	95	0.00	0.0	3.305	0.212	9	3	2	2
PL.48629	PL.48628	A	#2 ACSR	7.28Y	121.3	0.00	3.67	0.00	0	0	0	100	0.00	0.0	3.384	0.079	0	0	0	0
PL.64007	PL.63993	C	#4 ACSR	7.28Y	121.4	0.00	3.62	0.69	1	5	1	98	0.00	0.0	2.941	0.001	0	0	0	1
PD.9509	PL.64007	C	40QA	7.28Y	121.4	0.00	3.62	0.69	2	5	1	98	0.00	0.0	2.941	0.001	0	0	0	1
PL.64273	PD.9509	C	#4 ACSR	7.28Y	121.4	0.00	3.62	0.69	1	5	1	98	0.00	0.0	2.967	0.026	5	1	1	1

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Balanced Voltage Drop Report
Source: Conway

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.64185	PL.64273	C	#4 ACSR	7.28Y	121.4	0.00	3.62	0.00	0	0	0	100	0.00	0.0	3.290	0.323	0	0	0	0
PL.46918	PL.63682	A	#4 ACSR	7.29Y	121.4	0.00	3.55	2.45	2	17	5	96	0.00	0.0	2.725	0.013	17	5	2	2
PL.46919	PL.46918	A	#4 ACSR	7.29Y	121.4	0.00	3.55	0.00	0	0	0	100	0.00	0.0	2.807	0.082	0	0	0	0
PL.46920	PL.46919	A	#4 ACSR	7.29Y	121.4	0.00	3.55	0.00	0	0	0	100	0.00	0.0	2.880	0.073	0	0	0	0
PL.63681	PL.63680	A	6 A (CWC)	7.29Y	121.5	0.00	3.53	4.27	3	30	9	96	0.00	0.0	2.644	0.001	0	0	0	6
PD.7427	PL.63681	A	40QA	7.29Y	121.5	0.00	3.53	4.27	11	30	9	96	0.00	0.0	2.644	0.001	0	0	0	6
PL.46914	PD.7427	A	6 A (CWC)	7.29Y	121.5	0.00	3.53	4.27	3	30	9	96	0.00	0.0	2.659	0.015	0	0	0	6
PL.47530	PL.46914	A	6 A (CWC)	7.29Y	121.5	0.00	3.54	1.00	1	7	2	96	0.00	0.0	2.701	0.041	7	2	1	1
PL.47689	PL.46914	A	6 A (CWC)	7.29Y	121.5	0.00	3.54	3.27	2	23	7	96	0.00	0.0	2.679	0.019	15	4	2	5
PL.58959	PL.47689	A	6 A (CWC)	7.29Y	121.5	0.00	3.54	1.18	1	8	2	97	0.00	0.0	2.730	0.052	8	2	3	3
PL.64192	PL.63680	ABC	336 MCM AC	7.28Y	121.4	0.06	3.59	103.99	20	2165	694	95	0.71	0.0	2.721	0.078	0	0	1	358
PL.64191	PL.64192	ABC	336 MCM AC	7.28Y	121.3	0.06	3.66	103.99	20	2164	692	95	0.69	0.0	2.797	0.076	0	0	0	357
PL.63678	PL.64191	ABC	336 MCM AC	7.28Y	121.3	0.05	3.70	103.19	20	2147	685	95	0.52	0.0	2.855	0.058	0	0	0	355
PL.47226	PL.63678	C	#2 ACSR	7.28Y	121.3	0.00	3.70	2.37	1	17	5	96	0.00	0.0	2.856	0.001	0	0	0	1
PD.7313	PL.47226	C	40QA	7.28Y	121.3	0.00	3.70	2.37	6	17	5	96	0.00	0.0	2.856	0.001	0	0	0	1
PL.47227	PD.7313	C	#2 ACSR	7.28Y	121.3	0.00	3.70	2.37	1	17	5	96	0.00	0.0	2.881	0.025	17	5	1	1
PL.47680	PL.63678	ABC	336 MCM AC	7.27Y	121.2	0.10	3.80	102.40	20	2130	679	95	1.07	0.1	2.976	0.122	0	0	0	354
PL.48059	PL.47680	ABC	336 MCM AC	7.27Y	121.2	0.03	3.83	96.12	19	1998	638	95	0.32	0.0	3.017	0.041	5	1	1	329
PL.48058	PL.48059	ABC	336 MCM AC	7.26Y	121.0	0.15	3.98	95.88	18	1992	636	95	1.57	0.1	3.220	0.203	0	0	0	328
PL.47550	PL.48058	ABC	336 MCM AC	7.25Y	120.9	0.11	4.09	91.42	18	1898	604	95	1.04	0.1	3.368	0.148	12	3	2	311
PL.48167	PL.47550	B	6 A (CWC)	7.25Y	120.9	0.00	4.09	7.06	5	49	15	96	0.00	0.0	3.370	0.001	0	0	0	8
PD.7314	PL.48167	B	50T	7.25Y	120.9	0.00	4.09	7.06	0	49	15	96	0.00	0.0	3.370	0.001	0	0	0	8
PL.57856	PD.7314	B	6 A (CWC)	7.25Y	120.9	0.03	4.11	7.06	5	49	15	96	0.01	0.0	3.463	0.093	12	3	1	8
PL.57857	PL.57856	B	6 A (CWC)	7.25Y	120.8	0.04	4.16	5.40	4	38	11	96	0.01	0.0	3.641	0.178	1	0	1	7
PL.57855	PL.57857	B	6 A (CWC)	7.25Y	120.8	0.05	4.20	5.31	4	37	11	96	0.01	0.0	3.836	0.195	3	1	1	6
PL.47676	PL.57855	B	6 A (CWC)	7.25Y	120.8	0.01	4.22	2.49	2	17	5	96	0.00	0.0	3.949	0.113	0	0	0	3
PL.47366	PL.47676	B	6 A (CWC)	7.25Y	120.8	0.00	4.22	0.67	0	5	1	98	0.00	0.0	4.057	0.107	5	1	1	1
PL.47677	PL.47676	B	6 A (CWC)	7.25Y	120.8	0.00	4.22	1.83	1	13	4	96	0.00	0.0	4.018	0.068	13	4	2	2
PL.47805	PL.57855	B	#2 ACSR	7.25Y	120.8	0.00	4.20	2.35	1	16	5	95	0.00	0.0	3.849	0.013	10	3	1	2
PL.47675	PL.47805	B	#2 ACSR	7.25Y	120.8	0.00	4.20	0.94	1	7	2	96	0.00	0.0	3.985	0.136	7	2	1	1
PL.47731	PL.47550	ABC	336 MCM AC	7.25Y	120.9	0.04	4.13	88.52	17	1836	584	95	0.42	0.0	3.432	0.063	0	0	1	301

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: Conway

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.47730	PL.47731	ABC	336 MCM AC	7.24Y	120.7	0.14	4.27	88.50	17	1835	583	95	1.32	0.1	3.633	0.201	1	0	1	300
PL.46743	PL.47730	ABC	336 MCM AC	7.24Y	120.7	0.06	4.33	88.43	17	1832	579	95	0.56	0.0	3.718	0.085	0	0	0	299
PL.46744	PL.46743	A	#4 ACSR	7.24Y	120.7	0.00	4.33	0.77	1	5	2	93	0.00	0.0	3.723	0.005	0	0	0	1
PD.7539	PL.46744	A	40QA	7.24Y	120.7	0.00	4.33	0.77	2	5	2	93	0.00	0.0	3.723	0.005	0	0	0	1
PL.47138	PD.7539	A	#4 ACSR	7.24Y	120.7	0.00	4.33	0.77	1	5	2	93	0.00	0.0	3.755	0.032	5	2	1	1
PL.46742	PL.46743	ABC	336 MCM AC	7.24Y	120.6	0.06	4.38	88.17	17	1826	576	95	0.56	0.0	3.803	0.085	0	0	0	298
PL.46741	PL.46742	ABC	336 MCM AC	7.24Y	120.6	0.00	4.39	88.17	17	1826	575	95	0.02	0.0	3.806	0.003	0	0	0	298
PL.46734	PL.46741	ABC	336 MCM AC	7.23Y	120.5	0.08	4.46	88.17	17	1826	575	95	0.74	0.0	3.919	0.113	0	0	0	298
PL.46735	PL.46734	A	#2 ACSR	7.23Y	120.5	0.00	4.46	0.61	0	4	1	97	0.00	0.0	3.925	0.006	0	0	0	1
PD.7519	PL.46735	A	40QA	7.23Y	120.5	0.00	4.46	0.61	2	4	1	97	0.00	0.0	3.925	0.006	0	0	0	1
PL.46740	PD.7519	A	#2 ACSR	7.23Y	120.5	0.00	4.46	0.61	0	4	1	97	0.00	0.0	3.988	0.063	4	1	1	1
PL.46733	PL.46734	ABC	336 MCM AC	7.23Y	120.5	0.05	4.51	87.97	17	1821	572	95	0.47	0.0	3.991	0.072	0	0	0	297
PL.48056	PL.46733	A	#2 ACSR	7.23Y	120.5	0.00	4.51	0.13	0	1	0	100	0.00	0.0	3.996	0.005	0	0	0	1
PD.7423	PL.48056	A	40QA	7.23Y	120.5	0.00	4.51	0.13	0	1	0	100	0.00	0.0	3.996	0.005	0	0	0	1
PL.48057	PD.7423	A	#2 ACSR	7.23Y	120.5	0.00	4.51	0.13	0	1	0	100	0.00	0.0	4.040	0.043	1	0	1	1
PL.48055	PL.46733	ABC	336 MCM AC	7.22Y	120.4	0.09	4.60	87.92	17	1820	571	95	0.86	0.0	4.124	0.132	0	0	1	296
PL.48054	PL.48055	ABC	336 MCM AC	7.22Y	120.3	0.09	4.69	87.91	17	1818	568	95	0.84	0.0	4.253	0.129	13	4	1	295
PL.48053	PL.48054	ABC	336 MCM AC	7.22Y	120.3	0.04	4.73	87.27	17	1804	563	95	0.40	0.0	4.316	0.063	0	0	0	294
PL.63677	PL.48053	ABC	336 MCM AC	7.20Y	120.1	0.20	4.94	86.35	17	1785	556	95	1.92	0.1	4.621	0.306	0	0	0	292
PL.63675	PL.63677	ABC	336 MCM AC	7.20Y	119.9	0.12	5.06	84.66	16	1748	541	96	1.11	0.1	4.805	0.184	0	0	0	284
PL.47532	PL.63675	A	#2 ACSR	7.20Y	119.9	0.00	5.06	0.17	0	1	0	100	0.00	0.0	4.843	0.038	1	0	1	1
PL.48561	PL.63675	ABC	336 MCM AC	7.19Y	119.9	0.04	5.10	84.61	16	1746	538	96	0.37	0.0	4.867	0.062	0	0	0	283
PL.48556	PL.48561	ABC	336 MCM AC	7.19Y	119.9	0.00	5.10	84.61	16	1745	537	96	0.00	0.0	4.867	0.000	0	0	0	283
PL.48555	PL.48556	ABC	336 MCM AC	7.19Y	119.9	0.03	5.12	84.20	16	1737	535	96	0.24	0.0	4.907	0.040	0	0	0	281
PL.62499	PL.48555	A	#2 ACSR	7.19Y	119.9	0.00	5.13	1.43	1	10	3	96	0.00	0.0	4.996	0.088	0	0	0	3
PD.9369	PL.62499	A	25T	7.19Y	119.9	0.00	5.13	1.43	0	10	3	96	0.00	0.0	4.996	0.088	0	0	0	3
PL.62500	PD.9369	A	#2 ACSR	7.19Y	119.9	0.00	5.13	1.43	1	10	3	96	0.00	0.0	4.999	0.004	0	0	0	3
PL.62434	PL.62500	A	#2 ACSR	7.19Y	119.9	0.00	5.13	0.27	0	2	1	89	0.00	0.0	5.119	0.120	0	0	0	2
PL.48048	PL.62434	A	#2 ACSR	7.19Y	119.9	0.00	5.13	0.27	0	2	1	89	0.00	0.0	5.120	0.001	0	0	0	2
PD.7517	PL.48048	A	40QA	7.19Y	119.9	0.00	5.13	0.27	1	2	1	89	0.00	0.0	5.120	0.001	0	0	0	2
PL.48049	PD.7517	A	#2 ACSR	7.19Y	119.9	0.00	5.13	0.27	0	2	1	89	0.00	0.0	5.190	0.070	1	0	1	2

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Balanced Voltage Drop Report
Source: Conway

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.48050	PL.48049	A	#2 ACSR	7.19Y	119.9	0.00	5.13	0.06	0	0	0	100	0.00	0.0	5.259	0.069	0	0	1	1
PL.62498	PL.62500	A	#2 ACSR	7.19Y	119.9	0.01	5.13	1.15	1	8	2	97	0.00	0.0	5.438	0.439	8	2	1	1
PL.48554	PL.48555	ABC	336 MCM AC	7.19Y	119.8	0.10	5.22	83.73	16	1727	531	96	0.89	0.1	5.059	0.151	0	0	0	278
PL.48553	PL.48554	ABC	336 MCM AC	7.19Y	119.8	0.03	5.24	83.23	16	1716	526	96	0.23	0.0	5.099	0.040	18	5	2	277
PL.48550	PL.48553	ABC	336 MCM AC	7.18Y	119.7	0.04	5.28	82.35	16	1697	520	96	0.36	0.0	5.162	0.064	13	4	1	275
PL.57390	PL.48550	ABC	336 MCM AC	7.18Y	119.7	0.06	5.34	81.72	16	1684	515	96	0.52	0.0	5.256	0.094	8	2	1	274
PL.57387	PL.57390	ABC	#1/0 ACSR	7.18Y	119.6	0.03	5.37	64.23	28	1323	405	96	0.26	0.0	5.280	0.024	0	0	0	214
PL.47918	PL.57387	ABC	#1/0 ACSR	7.18Y	119.6	0.00	5.37	64.23	28	1322	405	96	0.01	0.0	5.280	0.001	0	0	0	214
PD.7555	PL.47918	ABC	100L	7.18Y	119.6	0.00	5.37	64.23	64	1322	405	96	0.00	0.0	5.280	0.001	0	0	0	214
PL.47919	PD.7555	ABC	#1/0 ACSR	7.18Y	119.6	0.02	5.39	64.23	28	1322	405	96	0.19	0.0	5.297	0.017	2	1	1	214
PL.57930	PL.47919	ABC	#1/0 ACSR	7.17Y	119.5	0.10	5.49	64.14	28	1320	404	96	0.91	0.1	5.381	0.084	10	3	3	213
PL.57931	PL.57930	ABC	#1/0 ACSR	7.17Y	119.5	0.06	5.55	63.65	28	1309	401	96	0.54	0.0	5.432	0.050	0	0	0	210
PL.64068	PL.57931	ABC	#1/0 ACSR	7.16Y	119.3	0.11	5.66	63.65	28	1309	400	96	1.05	0.1	5.529	0.098	6	2	1	210
PL.64069	PL.64068	ABC	#1/0 ACSR	7.16Y	119.3	0.04	5.70	63.37	28	1302	397	96	0.40	0.0	5.567	0.037	0	0	0	209
PL.48337	PL.64069	A	#4 ACSR	7.16Y	119.3	0.00	5.70	0.00	0	0	0	100	0.00	0.0	5.568	0.002	0	0	0	0
PD.7496	PL.48337	A	40QA	7.16Y	119.3	0.00	5.70	0.00	0	0	0	100	0.00	0.0	5.568	0.002	0	0	0	0
PL.48338	PD.7496	A	#4 ACSR	7.16Y	119.3	0.00	5.70	0.00	0	0	0	100	0.00	0.0	5.613	0.045	0	0	0	0
PL.48339	PL.48338	A	#4 ACSR	7.16Y	119.3	0.00	5.70	0.00	0	0	0	100	0.00	0.0	5.689	0.075	0	0	0	0
PL.48336	PL.64069	ABC	#1/0 ACSR	7.13Y	118.8	0.54	6.24	63.37	28	1302	397	96	4.96	0.4	6.035	0.468	16	5	3	209
PL.62584	PL.48336	ABC	#1/0 ACSR	7.12Y	118.7	0.01	6.26	45.11	20	923	280	96	0.08	0.0	6.050	0.015	0	0	0	149
RG.62	PL.62584	ABC	114.3 KVA	7.45Y	124.2	-5.43	0.82	45.11	30	923	280	96	percent Boost= 4.38		Tap= 7.0					149
PL.64259	RG.62	ABC	#1/0 ACSR	7.45Y	124.1	0.06	0.89	43.14	19	923	280	96	0.40	0.0	6.130	0.080	0	0	0	149
PL.64258	PL.64259	C	6 A (CWC)	7.45Y	124.1	0.00	0.89	2.35	2	17	5	96	0.00	0.0	6.178	0.048	17	5	2	2
PL.64276	PL.64259	ABC	#1/0 ACSR	7.44Y	124.1	0.04	0.92	42.36	18	906	274	96	0.22	0.0	6.177	0.047	9	3	1	147
PL.64186	PL.64276	ABC	#1/0 ACSR	7.44Y	124.0	0.04	0.96	41.95	18	897	272	96	0.22	0.0	6.224	0.047	22	6	2	146
PL.64188	PL.64186	B	#2 ACSR	7.44Y	124.0	0.00	0.96	0.73	0	5	2	93	0.00	0.0	6.225	0.001	0	0	0	2
PD.9506	PL.64188	B	40QA	7.44Y	124.0	0.00	0.96	0.73	2	5	2	93	0.00	0.0	6.225	0.001	0	0	0	2
PL.64006	PD.9506	B	#2 ACSR	7.44Y	124.0	0.00	0.96	0.73	0	5	2	93	0.00	0.0	6.334	0.110	0	0	0	2
PL.64260	PL.64006	B	#2 ACSR	7.44Y	124.0	0.00	0.96	0.23	0	2	0	100	0.00	0.0	6.374	0.040	2	0	1	1
PL.64261	PL.64006	B	#2 ACSR	7.44Y	124.0	0.00	0.96	0.50	0	4	1	97	0.00	0.0	6.454	0.120	4	1	1	1
PL.64187	PL.64186	ABC	#1/0 ACSR	7.44Y	124.0	0.04	1.00	40.69	18	870	263	96	0.25	0.0	6.280	0.056	0	0	1	142

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Balanced Voltage Drop Report
Source: Conway

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.64204	PL.64187	ABC	#1/0 ACSR	7.44Y	124.0	0.04	1.04	40.69	18	869	263	96	0.21	0.0	6.328	0.049	0	0	2	141
PL.64205	PL.64204	C	#2 ACSR	7.44Y	124.0	0.00	1.04	0.00	0	0	0	100	0.00	0.0	6.330	0.001	0	0	0	1
PD.9507	PL.64205	C	40QA	7.44Y	124.0	0.00	1.04	0.00	0	0	0	100	0.00	0.0	6.330	0.001	0	0	0	1
PL.64213	PD.9507	C	#2 ACSR	7.44Y	124.0	0.00	1.04	0.00	0	0	0	100	0.00	0.0	6.375	0.045	0	0	1	1
PL.64206	PL.64204	ABC	#1/0 ACSR	7.43Y	123.9	0.05	1.08	40.69	18	869	263	96	0.29	0.0	6.393	0.065	0	0	0	138
PL.64262	PL.64206	ABC	#1/0 ACSR	7.43Y	123.9	0.01	1.10	40.69	18	869	263	96	0.08	0.0	6.412	0.019	0	0	0	138
PL.47495	PL.64262	ABC	#1/0 ACSR	7.43Y	123.9	0.03	1.12	40.69	18	869	263	96	0.16	0.0	6.448	0.036	0	0	0	138
PL.47498	PL.47495	ABC	#1/0 ACSR	7.43Y	123.8	0.05	1.17	40.69	18	869	262	96	0.27	0.0	6.509	0.061	0	0	0	138
PL.47758	PL.47498	A	#4 ACSR	7.43Y	123.8	0.00	1.17	0.00	0	0	0	100	0.00	0.0	6.548	0.039	0	0	0	0
PL.48340	PL.47498	ABC	#1/0 ACSR	7.43Y	123.8	0.06	1.23	40.69	18	868	262	96	0.34	0.0	6.585	0.076	0	0	0	138
PL.57393	PL.48340	ABC	#1/0 ACSR	7.42Y	123.7	0.04	1.26	40.07	17	855	258	96	0.22	0.0	6.637	0.052	15	5	2	136
PL.57394	PL.57393	ABC	#1/0 ACSR	7.42Y	123.7	0.04	1.30	39.35	17	839	253	96	0.20	0.0	6.686	0.049	0	0	0	134
PL.47693	PL.57394	C	#4 ACSR	7.42Y	123.7	0.00	1.30	0.60	0	4	1	97	0.00	0.0	6.730	0.044	4	1	1	1
PL.48341	PL.57394	ABC	#1/0 ACSR	7.42Y	123.6	0.06	1.36	39.15	17	835	252	96	0.33	0.0	6.768	0.082	7	2	1	133
PL.48342	PL.48341	ABC	#1/0 ACSR	7.42Y	123.6	0.04	1.40	38.29	17	816	246	96	0.22	0.0	6.825	0.057	29	9	3	131
PL.64263	PL.48342	ABC	#1/0 ACSR	7.41Y	123.6	0.03	1.43	36.93	16	787	237	96	0.16	0.0	6.869	0.044	0	0	0	128
PL.64264	PL.64263	C	#2 ACSR	7.41Y	123.6	0.00	1.43	0.00	0	0	0	100	0.00	0.0	6.870	0.001	0	0	0	1
PD.7581	PL.64264	C	25QA	7.41Y	123.6	0.00	1.43	0.00	0	0	0	100	0.00	0.0	6.870	0.001	0	0	0	1
PL.48343	PD.7581	C	#2 ACSR	7.41Y	123.6	0.00	1.43	0.00	0	0	0	100	0.00	0.0	6.898	0.027	0	0	1	1
PL.64270	PL.64263	ABC	#1/0 ACSR	7.41Y	123.5	0.03	1.46	36.93	16	787	237	96	0.18	0.0	6.919	0.050	1	0	1	127
PL.64271	PL.64270	C	#4 ACSR	7.41Y	123.5	0.00	1.46	3.48	3	25	7	96	0.00	0.0	6.921	0.001	0	0	0	4
PD.9508	PL.64271	C	40QA	7.41Y	123.5	0.00	1.46	3.48	9	25	7	96	0.00	0.0	6.921	0.001	0	0	0	4
PL.64203	PD.9508	C	#4 ACSR	7.41Y	123.5	0.01	1.47	3.48	3	25	7	96	0.00	0.0	6.983	0.063	13	4	1	4
PL.64202	PL.64203	C	#4 ACSR	7.41Y	123.5	0.00	1.47	0.95	1	7	2	96	0.00	0.0	7.032	0.048	7	2	2	2
PL.64178	PL.64203	C	#4 ACSR	7.41Y	123.5	0.00	1.47	0.76	1	5	2	93	0.00	0.0	7.068	0.085	5	2	1	1
PL.64272	PL.64270	ABC	#1/0 ACSR	7.41Y	123.5	0.03	1.49	35.24	15	750	226	96	0.17	0.0	6.973	0.053	23	7	1	121
PL.64196	PL.64272	ABC	#1/0 ACSR	7.41Y	123.5	0.04	1.54	34.18	15	728	219	96	0.22	0.0	7.043	0.071	12	3	2	120
PL.64195	PL.64196	A	#2 ACSR	7.41Y	123.5	0.00	1.54	0.22	0	2	0	100	0.00	0.0	7.061	0.018	2	0	2	2
PL.64174	PL.64196	C	#4 ACSR	7.41Y	123.5	0.00	1.54	5.05	4	36	11	96	0.00	0.0	7.065	0.022	11	3	1	3
PL.64173	PL.64174	C	#4 ACSR	7.41Y	123.4	0.01	1.55	3.44	3	24	7	96	0.00	0.0	7.183	0.118	24	7	2	2
PL.64197	PL.64196	ABC	#1/0 ACSR	7.41Y	123.5	0.00	1.54	31.87	14	678	204	96	0.00	0.0	7.044	0.000	0	0	0	113

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Balanced Voltage Drop Report
Source: Conway

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.64265	PL.64197	ABC	#1/0 ACSR	7.40Y	123.4	0.06	1.59	31.87	14	678	204	96	0.26	0.0	7.141	0.097	7	2	1	113
PL.46895	PL.64265	ABC	#1/0 ACSR	7.40Y	123.4	0.05	1.64	31.56	14	671	202	96	0.21	0.0	7.220	0.080	0	0	0	112
PL.47748	PL.46895	C	#2 ACSR	7.40Y	123.4	0.00	1.64	1.39	1	10	3	96	0.00	0.0	7.221	0.001	0	0	0	1
PD.7378	PL.47748	C	40QA	7.40Y	123.4	0.00	1.64	1.39	3	10	3	96	0.00	0.0	7.221	0.001	0	0	0	1
PL.47749	PD.7378	C	#2 ACSR	7.40Y	123.4	0.00	1.64	1.39	1	10	3	96	0.00	0.0	7.262	0.041	10	3	1	1
PL.47750	PL.46895	ABC	#1/0 ACSR	7.40Y	123.3	0.02	1.66	31.09	14	661	199	96	0.08	0.0	7.251	0.031	0	0	0	111
PL.47830	PL.47750	ABC	#1/0 ACSR	7.40Y	123.3	0.04	1.70	30.03	13	638	192	96	0.16	0.0	7.319	0.068	1	0	1	108
PL.47831	PL.47830	ABC	#1/0 ACSR	7.39Y	123.2	0.08	1.78	30.00	13	638	192	96	0.36	0.1	7.468	0.149	3	1	1	107
PL.47832	PL.47831	ABC	#1/0 ACSR	7.39Y	123.1	0.08	1.86	29.87	13	634	191	96	0.36	0.1	7.619	0.151	0	0	0	106
PL.47833	PL.47832	A	#2 ACSR	7.39Y	123.1	0.00	1.86	1.46	1	10	3	96	0.00	0.0	7.625	0.006	0	0	0	1
PD.7176	PL.47833	A	40QA	7.39Y	123.1	0.00	1.86	1.46	4	10	3	96	0.00	0.0	7.625	0.006	0	0	0	1
PL.47834	PD.7176	A	#2 ACSR	7.39Y	123.1	0.00	1.86	1.46	1	10	3	96	0.00	0.0	7.690	0.065	10	3	1	1
PL.47837	PL.47832	ABC	#1/0 ACSR	7.39Y	123.1	0.03	1.89	29.38	13	624	187	96	0.11	0.0	7.668	0.049	0	0	0	105
PL.47835	PL.47837	A	#2 ACSR	7.39Y	123.1	0.00	1.89	0.41	0	3	1	95	0.00	0.0	7.674	0.006	0	0	0	1
PD.7323	PL.47835	A	40QA	7.39Y	123.1	0.00	1.89	0.41	1	3	1	95	0.00	0.0	7.674	0.006	0	0	0	1
PL.47836	PD.7323	A	#2 ACSR	7.39Y	123.1	0.00	1.89	0.41	0	3	1	95	0.00	0.0	7.736	0.062	3	1	1	1
PL.47838	PL.47837	ABC	#1/0 ACSR	7.38Y	123.0	0.08	1.97	29.25	13	621	186	96	0.35	0.1	7.821	0.153	0	0	0	104
PL.47839	PL.47838	A	#2 ACSR	7.38Y	123.0	0.00	1.97	0.00	0	0	0	100	0.00	0.0	7.826	0.005	0	0	0	0
PD.7322	PL.47839	A	40QA	7.38Y	123.0	0.00	1.97	0.00	0	0	0	100	0.00	0.0	7.826	0.005	0	0	0	0
PL.47840	PD.7322	A	#2 ACSR	7.38Y	123.0	0.00	1.97	0.00	0	0	0	100	0.00	0.0	7.855	0.028	0	0	0	0
PL.47647	PL.47838	C	#2 ACSR	7.38Y	123.0	0.00	1.97	0.45	0	3	1	95	0.00	0.0	7.855	0.034	3	1	1	1
PL.47841	PL.47838	ABC	#1/0 ACSR	7.38Y	123.0	0.02	1.99	29.09	13	617	185	96	0.08	0.0	7.857	0.035	0	0	0	103
PL.47556	PL.47841	A	#2 ACSR	7.38Y	123.0	0.00	1.99	0.00	0	0	0	100	0.00	0.0	7.887	0.030	0	0	0	0
PL.47842	PL.47841	ABC	#1/0 ACSR	7.38Y	123.0	0.03	2.01	29.09	13	617	185	96	0.11	0.0	7.907	0.050	0	0	0	103
PL.47843	PL.47842	ABC	#1/0 ACSR	7.38Y	122.9	0.05	2.07	28.05	12	595	178	96	0.22	0.0	8.015	0.108	18	5	2	101
PL.47846	PL.47843	C	#4 ACSR	7.38Y	122.9	0.00	2.07	6.39	5	45	13	96	0.00	0.0	8.020	0.005	0	0	0	9
PD.7516	PL.47846	C	40QA	7.38Y	122.9	0.00	2.07	6.39	16	45	13	96	0.00	0.0	8.020	0.005	0	0	0	9
PL.47847	PD.7516	C	#4 ACSR	7.38Y	122.9	0.01	2.08	6.39	5	45	13	96	0.00	0.0	8.076	0.057	25	7	5	9
PL.47848	PL.47847	C	#4 ACSR	7.37Y	122.9	0.01	2.09	2.84	2	20	6	96	0.00	0.0	8.283	0.207	20	6	4	4
PL.47849	PL.47843	ABC	#1/0 ACSR	7.37Y	122.9	0.04	2.10	25.09	11	532	159	96	0.13	0.0	8.095	0.080	6	2	1	90
PL.47641	PL.47849	C	#2 ACSR	7.37Y	122.9	0.00	2.10	1.74	1	12	4	95	0.00	0.0	8.116	0.021	12	4	2	2

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Balanced Voltage Drop Report
Source: Conway

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.47399	PL.47849	ABC	#1/0 ACSR	7.37Y	122.9	0.03	2.13	23.02	10	488	146	96	0.09	0.0	8.160	0.065	0	0	1	84
PL.47400	PL.47399	ABC	#1/0 ACSR	7.37Y	122.8	0.02	2.15	23.00	10	487	146	96	0.08	0.0	8.218	0.058	7	2	1	83
PL.47401	PL.47400	ABC	#1/0 ACSR	7.37Y	122.8	0.03	2.18	22.67	10	480	144	96	0.09	0.0	8.282	0.064	3	1	1	82
PL.47402	PL.47401	ABC	#1/0 ACSR	7.36Y	122.7	0.09	2.27	22.51	10	477	143	96	0.29	0.1	8.499	0.217	0	0	0	81
PL.47403	PL.47402	A	6 A (CWC)	7.36Y	122.7	0.00	2.27	8.22	6	58	17	96	0.00	0.0	8.503	0.004	0	0	0	8
PD.7379	PL.47403	A	40QA	7.36Y	122.7	0.00	2.27	8.22	21	58	17	96	0.00	0.0	8.503	0.004	0	0	0	8
PL.59558	PD.7379	A	6 A (CWC)	7.36Y	122.7	0.04	2.31	8.22	6	58	17	96	0.02	0.0	8.604	0.101	1	0	1	8
PL.59559	PL.59558	A	6 A (CWC)	7.36Y	122.6	0.05	2.36	8.06	6	57	17	96	0.02	0.0	8.754	0.150	5	1	1	7
PL.59560	PL.59559	A	6 A (CWC)	7.36Y	122.6	0.03	2.39	7.40	5	52	15	96	0.01	0.0	8.832	0.079	0	0	0	6
PL.59557	PL.59560	A	6 A (CWC)	7.35Y	122.6	0.03	2.42	5.36	4	38	11	96	0.01	0.0	9.016	0.184	21	6	3	4
PL.61956	PL.59557	A	#1/0 ACSR	7.35Y	122.6	0.00	2.43	2.36	1	17	5	96	0.00	0.0	9.180	0.164	17	5	1	1
PL.61770	PL.59560	A	6 A (CWC)	7.36Y	122.6	0.01	2.40	2.03	1	14	4	96	0.00	0.0	8.903	0.071	0	0	0	2
PL.61772	PL.61770	A	#1/0 ACSR	7.36Y	122.6	0.00	2.40	1.55	1	11	3	96	0.00	0.0	8.951	0.047	11	3	1	1
PL.61771	PL.61770	A	6 A (CWC)	7.36Y	122.6	0.00	2.40	0.48	0	3	1	95	0.00	0.0	8.983	0.080	0	0	0	1
PL.60051	PL.61771	A	#1/0 ACSR	7.36Y	122.6	0.00	2.40	0.48	0	3	1	95	0.00	0.0	9.070	0.087	3	1	1	1
PL.47486	PL.47402	ABC	#1/0 ACSR	7.36Y	122.7	0.02	2.29	19.77	9	418	125	96	0.04	0.0	8.541	0.042	0	0	0	73
PL.47488	PL.47486	C	#4 ACSR	7.36Y	122.7	0.00	2.29	1.19	1	8	2	97	0.00	0.0	8.543	0.002	0	0	0	1
PD.7178	PL.47488	C	40QA	7.36Y	122.7	0.00	2.29	1.19	3	8	2	97	0.00	0.0	8.543	0.002	0	0	0	1
PL.47489	PD.7178	C	#4 ACSR	7.36Y	122.7	0.00	2.29	1.19	1	8	2	97	0.00	0.0	8.589	0.046	8	2	1	1
PL.47487	PL.47486	ABC	#1/0 ACSR	7.36Y	122.7	0.01	2.30	19.38	8	410	123	96	0.04	0.0	8.580	0.039	0	0	0	72
PL.47484	PL.47487	A	#2 ACSR	7.36Y	122.7	0.00	2.30	1.27	1	9	3	95	0.00	0.0	8.583	0.003	0	0	0	1
PD.7537	PL.47484	A	40QA	7.36Y	122.7	0.00	2.30	1.27	3	9	3	95	0.00	0.0	8.583	0.003	0	0	0	1
PL.47485	PD.7537	A	#2 ACSR	7.36Y	122.7	0.00	2.30	1.27	1	9	3	95	0.00	0.0	8.604	0.020	9	3	1	1
PL.47490	PL.47487	ABC	#1/0 ACSR	7.36Y	122.7	0.02	2.32	18.96	8	401	120	96	0.07	0.0	8.652	0.072	0	0	0	71
PL.47493	PL.47490	ABC	#1/0 ACSR	7.36Y	122.6	0.05	2.37	18.43	8	390	117	96	0.12	0.0	8.789	0.137	9	3	2	70
PL.47820	PL.47493	A	#2 ACSR	7.36Y	122.6	0.00	2.37	0.17	0	1	0	100	0.00	0.0	8.795	0.006	0	0	0	1
PD.7592	PL.47820	A	40QA	7.36Y	122.6	0.00	2.37	0.17	0	1	0	100	0.00	0.0	8.795	0.006	0	0	0	1
PL.47821	PD.7592	A	#2 ACSR	7.36Y	122.6	0.00	2.37	0.17	0	1	0	100	0.00	0.0	8.832	0.037	0	0	0	1
PL.47494	PL.47821	A	#2 ACSR	7.36Y	122.6	0.00	2.37	0.17	0	1	0	100	0.00	0.0	8.873	0.041	1	0	1	1
PL.64754	PL.47493	ABC	#1/0 ACSR	7.36Y	122.6	0.00	2.37	17.94	8	379	113	96	0.00	0.0	8.789	0.000	0	0	0	67
PL.64755	PL.64754	ABC	#1/0 ACSR	7.36Y	122.6	0.01	2.38	17.94	8	379	113	96	0.03	0.0	8.825	0.035	4	1	1	67

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Balanced Voltage Drop Report
Source: Conway

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PL.47822	PL.64755	ABC	#1/0 ACSR	7.36Y	122.6	0.02	2.40	17.75	8	375	112	96	0.05	0.0	8.881	0.057	4	1	1	66	
PL.47823	PL.47822	ABC	#1/0 ACSR	7.35Y	122.6	0.02	2.42	17.57	8	372	111	96	0.05	0.0	8.940	0.058	1	0	2	65	
PL.47824	PL.47823	ABC	#1/0 ACSR	7.35Y	122.5	0.04	2.46	17.52	8	370	111	96	0.11	0.0	9.076	0.137	0	0	0	63	
PL.47903	PL.47824	C	#2 ACSR	7.35Y	122.5	0.00	2.46	0.00	0	0	0	100	0.00	0.0	9.112	0.036	0	0	1	1	
PL.57829	PL.47824	ABC	#1/0 ACSR	7.35Y	122.5	0.01	2.48	17.52	8	370	111	96	0.03	0.0	9.122	0.046	30	9	4	62	
PL.57830	PL.57829	ABC	#1/0 ACSR	7.35Y	122.5	0.01	2.49	16.12	7	341	102	96	0.03	0.0	9.169	0.047	6	2	1	58	
PL.57831	PL.57830	ABC	#1/0 ACSR	7.35Y	122.5	0.01	2.50	15.83	7	334	100	96	0.02	0.0	9.198	0.029	19	6	2	57	
PL.51797	PL.57831	ABC	#1/0 ACSR	7.35Y	122.5	0.02	2.52	14.91	6	315	94	96	0.05	0.0	9.284	0.085	3	1	1	55	
PL.51798	PL.51797	C	6 A (CWC)	7.35Y	122.5	0.00	2.52	3.86	3	27	8	96	0.00	0.0	9.286	0.003	0	0	0	5	
PD.9443	PL.51798	C	40QA	7.35Y	122.5	0.00	2.52	3.86	10	27	8	96	0.00	0.0	9.286	0.003	0	0	0	5	
PL.64841	PD.9443	C	6 A (CWC)	7.35Y	122.5	0.02	2.54	3.86	3	27	8	96	0.00	0.0	9.378	0.092	0	0	0	5	
PL.64843	PL.64841	C	#1/0 ACSR	7.35Y	122.5	0.00	2.54	0.00	0	0	0	100	0.00	0.0	9.428	0.050	0	0	1	1	
PL.64842	PL.64841	C	6 A (CWC)	7.35Y	122.4	0.02	2.55	3.86	3	27	8	96	0.00	0.0	9.473	0.095	0	0	0	4	
PL.62857	PL.64842	C	6 A (CWC)	7.35Y	122.4	0.00	2.56	1.87	1	13	4	96	0.00	0.0	9.500	0.027	13	4	1	1	
PL.62858	PL.64842	C	6 A (CWC)	7.35Y	122.4	0.01	2.56	1.99	1	14	4	96	0.00	0.0	9.563	0.090	0	0	0	3	
PL.62856	PL.62858	C	6 A (CWC)	7.35Y	122.4	0.01	2.57	1.99	1	14	4	96	0.00	0.0	9.656	0.093	3	1	1	3	
PL.62855	PL.62856	C	6 A (CWC)	7.35Y	122.4	0.01	2.58	1.61	1	11	3	96	0.00	0.0	9.726	0.070	0	0	0	2	
PL.61950	PL.62855	C	6 A (CWC)	7.34Y	122.4	0.01	2.59	1.61	1	11	3	96	0.00	0.0	10.081	0.355	11	3	2	2	
PL.61951	PL.61950	C	6 A (CWC)	7.34Y	122.4	0.00	2.59	0.00	0	0	0	100	0.00	0.0	10.225	0.144	0	0	0	0	
PL.51796	PL.62855	C	6 A (CWC)	7.35Y	122.4	0.00	2.58	0.00	0	0	0	100	0.00	0.0	9.792	0.066	0	0	0	0	
PL.62860	PL.51797	A	6 A (CWC)	7.35Y	122.5	0.01	2.53	40.51	29	285	85	96	0.01	0.0	9.287	0.004	0	0	0	49	
C PD.9442	PL.62860	A	35L	7.35Y	122.5	0.00	2.53	40.51	116	285	85	96	0.00	0.0	9.287	0.004	0	0	0	49	C
PL.62859	PD.9442	A	6 A (CWC)	7.34Y	122.3	0.13	2.66	40.51	29	285	85	96	0.28	0.1	9.357	0.070	0	0	0	49	
PL.51800	PL.62859	A	6 A (CWC)	7.34Y	122.3	0.00	2.66	0.82	1	6	2	95	0.00	0.0	9.360	0.004	0	0	0	2	
PD.7420	PL.51800	A	40QA	7.34Y	122.3	0.00	2.66	0.82	2	6	2	95	0.00	0.0	9.360	0.004	0	0	0	2	
PL.47825	PD.7420	A	6 A (CWC)	7.34Y	122.3	0.00	2.66	0.82	1	6	2	95	0.00	0.0	9.402	0.042	6	2	2	2	
PL.51749	PL.62859	A	6 A (CWC)	7.33Y	122.2	0.13	2.79	39.69	28	279	83	96	0.27	0.1	9.427	0.071	0	0	0	47	
PL.51748	PL.51749	A	6 A (CWC)	7.33Y	122.2	0.05	2.83	39.69	28	279	83	96	0.10	0.0	9.454	0.026	0	0	0	47	
PL.51802	PL.51748	A	6 A (CWC)	7.33Y	122.2	0.00	2.84	1.56	1	11	3	96	0.00	0.0	9.510	0.056	4	1	2	4	
PL.51801	PL.51802	A	6 A (CWC)	7.33Y	122.2	0.00	2.84	1.05	1	7	2	96	0.00	0.0	9.563	0.053	0	0	0	2	
PL.47876	PL.51801	A	6 A (CWC)	7.33Y	122.2	0.00	2.84	0.00	0	0	0	100	0.00	0.0	9.681	0.118	0	0	0	0	

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Balanced Voltage Drop Report
Source: Conway

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.45993	PL.51801	A	6 A (CWC)	7.33Y	122.2	0.00	2.84	1.00	1	7	2	96	0.00	0.0	9.655	0.092	7	2	1	1
PL.46926	PL.51801	A	#2 ACSR	7.33Y	122.2	0.00	2.84	0.04	0	0	0	100	0.00	0.0	9.645	0.083	0	0	1	1
PL.46795	PL.51801	A	6 A (CWC)	7.33Y	122.2	0.00	2.84	0.00	0	0	0	100	0.00	0.0	9.612	0.049	0	0	0	0
PL.51803	PL.51748	A	6 A (CWC)	7.32Y	122.0	0.19	3.02	38.13	27	268	80	96	0.38	0.1	9.562	0.109	4	1	1	43
PL.51804	PL.51803	A	6 A (CWC)	7.31Y	121.9	0.12	3.15	37.54	27	263	78	96	0.24	0.1	9.635	0.073	13	4	4	42
PL.64148	PL.51804	A	6 A (CWC)	7.30Y	121.7	0.11	3.26	35.69	25	250	74	96	0.21	0.1	9.704	0.068	0	0	0	38
PL.64199	PL.64148	A	6 A (CWC)	7.30Y	121.7	0.03	3.29	32.92	24	230	69	96	0.05	0.0	9.723	0.019	7	2	3	34
PL.64200	PL.64199	A	6 A (CWC)	7.30Y	121.6	0.10	3.39	25.19	18	176	52	96	0.13	0.1	9.818	0.095	24	7	3	26
PL.64209	PL.64200	A	6 A (CWC)	7.29Y	121.6	0.04	3.43	21.70	16	152	45	96	0.04	0.0	9.862	0.044	20	6	1	23
PL.64182	PL.64209	A	6 A (CWC)	7.29Y	121.5	0.08	3.51	18.11	13	127	38	96	0.07	0.1	9.955	0.093	0	0	1	21
PL.64183	PL.64182	A	#4 ACSR	7.29Y	121.5	0.02	3.53	6.19	5	43	13	96	0.01	0.0	10.042	0.087	0	0	0	6
PL.64150	PL.64183	A	#4 ACSR	7.29Y	121.4	0.03	3.56	6.19	5	43	13	96	0.01	0.0	10.153	0.111	0	0	0	6
PL.47706	PL.64150	A	#4 ACSR	7.29Y	121.4	0.00	3.56	0.87	1	6	2	95	0.00	0.0	10.215	0.062	6	2	1	1
PL.47922	PL.64150	A	#4 ACSR	7.28Y	121.4	0.03	3.60	5.32	4	37	11	96	0.01	0.0	10.296	0.144	0	0	0	5
PL.47723	PL.47922	A	#2 ACSR	7.28Y	121.4	0.00	3.60	1.31	1	9	3	95	0.00	0.0	10.356	0.060	9	3	1	1
PL.47539	PL.47922	A	#1/0 ACSR	7.28Y	121.4	0.00	3.60	1.54	1	11	3	96	0.00	0.0	10.367	0.071	11	3	1	1
PL.58955	PL.47922	A	#4 ACSR	7.28Y	121.4	0.01	3.61	2.46	2	17	5	96	0.00	0.0	10.406	0.110	10	3	1	2
PL.58956	PL.58955	A	#4 ACSR	7.28Y	121.4	0.00	3.61	1.01	1	7	2	96	0.00	0.0	10.466	0.060	7	2	1	1
PL.47923	PL.47922	A	#4 ACSR	7.28Y	121.4	0.00	3.60	0.00	0	0	0	100	0.00	0.0	10.362	0.066	0	0	1	1
PL.60157	PL.47923	A	#4 ACSR	7.28Y	121.4	0.00	3.60	0.00	0	0	0	100	0.00	0.0	10.454	0.092	0	0	0	0
PL.60158	PL.60157	A	#4 ACSR	7.28Y	121.4	0.00	3.60	0.00	0	0	0	100	0.00	0.0	10.556	0.103	0	0	0	0
PL.47212	PL.47923	A	#2 ACSR	7.28Y	121.4	0.00	3.60	0.00	0	0	0	100	0.00	0.0	10.467	0.105	0	0	0	0
PL.64184	PL.64182	A	6 A (CWC)	7.29Y	121.4	0.05	3.55	11.87	8	83	25	96	0.03	0.0	10.042	0.087	6	2	1	14
PL.64211	PL.64184	A	6 A (CWC)	7.29Y	121.4	0.01	3.57	10.99	8	77	23	96	0.01	0.0	10.066	0.024	9	3	2	13
PL.64212	PL.64211	A	6 A (CWC)	7.28Y	121.4	0.04	3.60	9.71	7	68	20	96	0.02	0.0	10.157	0.091	9	3	1	11
PL.64268	PL.64212	A	6 A (CWC)	7.28Y	121.4	0.04	3.65	6.04	4	42	13	96	0.01	0.0	10.316	0.159	0	0	0	7
PL.63674	PL.64268	A	6 A (CWC)	7.28Y	121.3	0.03	3.68	6.04	4	42	13	96	0.01	0.0	10.439	0.123	0	0	1	7
PL.48409	PL.63674	A	6 A (CWC)	7.28Y	121.3	0.01	3.70	6.04	4	42	13	96	0.00	0.0	10.492	0.053	0	0	0	6
PL.48410	PL.48409	A	#4 ACSR	7.28Y	121.3	0.01	3.71	1.74	1	12	4	95	0.00	0.0	10.640	0.148	0	0	0	2
PL.47215	PL.48410	A	#4 ACSR	7.28Y	121.3	0.00	3.71	0.99	1	7	2	96	0.00	0.0	10.696	0.056	7	2	1	1
PL.48411	PL.48410	A	#4 ACSR	7.28Y	121.3	0.01	3.71	0.75	1	5	2	93	0.00	0.0	10.994	0.354	5	2	1	1

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Balanced Voltage Drop Report
Source: Conway

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.48412	PL.48409	A	6 A (CWC)	7.28Y	121.3	0.02	3.71	4.30	3	30	9	96	0.00	0.0	10.585	0.093	0	0	1	4
PL.48413	PL.48412	A	6 A (CWC)	7.28Y	121.3	0.02	3.73	4.30	3	30	9	96	0.00	0.0	10.661	0.076	0	0	0	3
PL.47728	PL.48413	A	6 A (CWC)	7.28Y	121.3	0.01	3.73	2.74	2	19	6	95	0.00	0.0	10.743	0.082	19	6	1	1
PL.48414	PL.48413	A	6 A (CWC)	7.27Y	121.2	0.03	3.76	1.07	1	7	2	96	0.00	0.0	11.707	1.046	7	2	1	1
PL.47546	PL.48413	A	6 A (CWC)	7.28Y	121.3	0.00	3.73	0.49	0	3	1	95	0.00	0.0	10.716	0.055	3	1	1	1
PL.64151	PL.64268	A	#1/0 ACSR	7.28Y	121.4	0.00	3.65	0.00	0	0	0	100	0.00	0.0	10.509	0.193	0	0	0	0
PL.64269	PL.64212	A	#2 ACSR	7.28Y	121.4	0.00	3.61	2.45	1	17	5	96	0.00	0.0	10.225	0.068	16	5	2	3
PL.64190	PL.64269	A	#2 ACSR	7.28Y	121.4	0.00	3.61	0.13	0	1	0	100	0.00	0.0	10.315	0.090	1	0	1	1
PL.64201	PL.64209	A	6 A (CWC)	7.29Y	121.6	0.00	3.43	0.69	0	5	1	98	0.00	0.0	9.903	0.041	5	1	1	1
PL.64176	PL.64199	A	6 A (CWC)	7.30Y	121.7	0.00	3.29	6.66	5	47	14	96	0.00	0.0	9.738	0.016	18	5	1	5
PL.64177	PL.64176	A	6 A (CWC)	7.30Y	121.7	0.00	3.29	4.10	3	29	9	96	0.00	0.0	9.757	0.019	10	3	1	4
PL.64175	PL.64177	A	6 A (CWC)	7.30Y	121.7	0.01	3.30	1.78	1	12	4	95	0.00	0.0	9.888	0.131	12	4	1	1
PL.64189	PL.64177	A	#1/0 ACSR	7.30Y	121.7	0.00	3.29	0.86	0	6	2	95	0.00	0.0	9.809	0.052	0	0	0	2
PD.9512	PL.64189	A	20T	7.30Y	121.7	0.00	3.29	0.86	0	6	2	95	0.00	0.0	9.809	0.052	0	0	0	2
PL.64280	PD.9512	A	#1/0 ACSR	7.30Y	121.7	0.00	3.30	0.86	0	6	2	95	0.00	0.0	9.983	0.174	0	0	1	2
PL.64279	PL.64280	A	#1/0 ACSR	7.30Y	121.7	0.00	3.30	0.85	0	6	2	95	0.00	0.0	10.021	0.038	6	2	1	1
PL.64149	PL.64148	A	#4 ACSR	7.30Y	121.7	0.01	3.26	2.78	2	19	6	95	0.00	0.0	9.770	0.066	15	4	3	4
PL.47877	PL.64149	A	#4 ACSR	7.30Y	121.7	0.00	3.26	0.63	0	4	1	97	0.00	0.0	9.828	0.059	4	1	1	1
PL.51799	PL.62859	A	6 A (CWC)	7.34Y	122.3	0.00	2.66	0.00	0	0	0	100	0.00	0.0	9.390	0.033	0	0	0	0
PL.47491	PL.47490	C	#4 ACSR	7.36Y	122.7	0.00	2.32	1.59	1	11	3	96	0.00	0.0	8.655	0.003	0	0	0	1
PD.7419	PL.47491	C	40QA	7.36Y	122.7	0.00	2.32	1.59	4	11	3	96	0.00	0.0	8.655	0.003	0	0	0	1
PL.47492	PD.7419	C	#4 ACSR	7.36Y	122.7	0.00	2.33	1.59	1	11	3	96	0.00	0.0	8.712	0.057	0	0	0	1
PL.48254	PL.47492	C	#4 ACSR	7.36Y	122.7	0.00	2.33	1.59	1	11	3	96	0.00	0.0	8.749	0.037	11	3	1	1
PL.62983	PL.47849	C	#2 ACSR	7.37Y	122.9	0.00	2.10	3.69	2	26	8	96	0.00	0.0	8.102	0.007	0	0	0	3
PD.9422	PL.62983	C	40QA	7.37Y	122.9	0.00	2.10	3.69	9	26	8	96	0.00	0.0	8.102	0.007	0	0	0	3
PL.62984	PD.9422	C	#2 ACSR	7.37Y	122.9	0.00	2.11	3.69	2	26	8	96	0.00	0.0	8.140	0.038	19	6	2	3
PL.47397	PL.62984	C	#2 ACSR	7.37Y	122.9	0.00	2.11	0.99	1	7	2	96	0.00	0.0	8.272	0.132	0	0	0	1
PL.47398	PL.47397	C	#2 ACSR	7.37Y	122.9	0.00	2.11	0.99	1	7	2	96	0.00	0.0	8.284	0.012	0	0	0	1
PL.47396	PL.47398	C	#2 ACSR	7.37Y	122.9	0.00	2.11	0.99	1	7	2	96	0.00	0.0	8.425	0.141	7	2	1	1
PL.57924	PL.47842	C	#1/0 ACSR	7.38Y	123.0	0.00	2.01	0.88	0	6	2	95	0.00	0.0	7.911	0.004	0	0	0	1
PD.8394	PL.57924	C	15T	7.38Y	123.0	0.00	2.01	0.88	0	6	2	95	0.00	0.0	7.911	0.004	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: Conway

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.57925	PD.8394	C	#1/0 ACSR	7.38Y	123.0	0.00	2.01	0.88	0	6	2	95	0.00	0.0	7.954	0.043	6	2	1	1
PL.47844	PL.47842	C	#2 ACSR	7.38Y	123.0	0.00	2.01	2.25	1	16	5	95	0.00	0.0	7.910	0.003	0	0	0	1
PD.7177	PL.47844	C	40QA	7.38Y	123.0	0.00	2.01	2.25	6	16	5	95	0.00	0.0	7.910	0.003	0	0	0	1
PL.47845	PD.7177	C	#2 ACSR	7.38Y	123.0	0.00	2.02	2.25	1	16	5	95	0.00	0.0	7.988	0.078	16	5	1	1
PL.47828	PL.47750	C	#2 ACSR	7.40Y	123.3	0.00	1.66	1.98	1	14	4	96	0.00	0.0	7.252	0.001	0	0	0	2
PD.7377	PL.47828	C	40QA	7.40Y	123.3	0.00	1.66	1.98	5	14	4	96	0.00	0.0	7.252	0.001	0	0	0	2
PL.47829	PD.7377	C	#2 ACSR	7.40Y	123.3	0.00	1.66	1.98	1	14	4	96	0.00	0.0	7.271	0.019	14	4	2	2
PL.47826	PL.47750	A	#4 ACSR	7.40Y	123.3	0.00	1.66	1.22	1	9	3	95	0.00	0.0	7.252	0.001	0	0	0	1
PD.7175	PL.47826	A	40QA	7.40Y	123.3	0.00	1.66	1.22	3	9	3	95	0.00	0.0	7.252	0.001	0	0	0	1
PL.47827	PD.7175	A	#4 ACSR	7.40Y	123.3	0.00	1.66	1.22	1	9	3	95	0.00	0.0	7.318	0.066	9	3	1	1
PL.64210	PL.64270	A	#4 ACSR	7.41Y	123.5	0.00	1.46	1.38	1	10	3	96	0.00	0.0	6.963	0.044	10	3	1	1
PL.61968	PL.48341	A	#2 ACSR	7.42Y	123.6	0.00	1.36	1.61	1	11	3	96	0.00	0.0	6.786	0.018	11	3	1	1
PL.47428	PL.48340	A	#4 ACSR	7.43Y	123.8	0.00	1.23	1.88	1	13	4	96	0.00	0.0	6.627	0.042	13	4	2	2
PL.47496	PL.64262	A	#4 ACSR	7.43Y	123.9	0.00	1.10	0.00	0	0	0	100	0.00	0.0	6.413	0.001	0	0	0	0
PD.7173	PL.47496	A	40QA	7.43Y	123.9	0.00	1.10	0.00	0	0	0	100	0.00	0.0	6.413	0.001	0	0	0	0
PL.47497	PD.7173	A	#4 ACSR	7.43Y	123.9	0.00	1.10	0.00	0	0	0	100	0.00	0.0	6.446	0.033	0	0	0	0
PL.57391	PL.48336	B	#1/0 ACSR	7.12Y	118.7	0.05	6.30	52.47	23	358	108	96	0.13	0.0	6.078	0.043	1	0	1	57
PL.57392	PL.57391	B	#4 ACSR	7.12Y	118.7	0.00	6.30	52.28	40	357	107	96	0.00	0.0	6.079	0.001	0	0	0	56
PD.7557	PL.57392	B	70L	7.12Y	118.7	0.00	6.30	52.28	75	357	107	96	0.00	0.0	6.079	0.001	0	0	0	56
PL.48415	PD.7557	B	#4 ACSR	7.11Y	118.6	0.14	6.44	52.28	40	357	107	96	0.40	0.1	6.139	0.061	0	0	0	56
PL.48465	PL.48415	B	#4 ACSR	7.11Y	118.5	0.02	6.46	4.72	4	32	10	95	0.00	0.0	6.228	0.089	0	0	0	7
PL.47404	PL.48465	B	6 A (CWC)	7.11Y	118.5	0.00	6.46	0.00	0	0	0	100	0.00	0.0	6.419	0.191	0	0	0	0
PL.48466	PL.48465	B	#4 ACSR	7.11Y	118.5	0.03	6.49	4.72	4	32	10	95	0.01	0.0	6.358	0.130	2	0	1	7
PL.48468	PL.48466	B	#4 ACSR	7.11Y	118.5	0.00	6.49	0.15	0	1	0	100	0.00	0.0	6.389	0.031	0	0	0	1
PL.48469	PL.48468	B	#4 ACSR	7.11Y	118.5	0.00	6.49	0.15	0	1	0	100	0.00	0.0	6.450	0.061	1	0	1	1
PL.48467	PL.48466	B	#4 ACSR	7.11Y	118.5	0.01	6.50	4.33	3	30	9	96	0.00	0.0	6.419	0.061	0	0	0	5
PL.48470	PL.48467	B	#4 ACSR	7.11Y	118.5	0.00	6.50	4.33	3	30	9	96	0.00	0.0	6.419	0.001	2	0	1	5
PL.48471	PL.48470	B	#4 ACSR	7.11Y	118.5	0.01	6.51	4.11	3	28	8	96	0.00	0.0	6.490	0.071	8	2	2	4
PL.48472	PL.48471	B	#4 ACSR	7.11Y	118.5	0.00	6.51	2.89	2	20	6	96	0.00	0.0	6.543	0.054	20	6	2	2
PL.48473	PL.48415	B	#4 ACSR	7.11Y	118.5	0.08	6.52	47.56	37	324	97	96	0.21	0.1	6.178	0.039	5	1	1	49
PL.48474	PL.48473	B	#4 ACSR	7.10Y	118.4	0.09	6.61	46.83	36	319	96	96	0.22	0.1	6.220	0.042	0	0	0	48

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Balanced Voltage Drop Report
Source: Conway

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PL.58957	PL.48474	B	#4 ACSR	7.10Y	118.4	0.00	6.62	1.87	1	13	4	96	0.00	0.0	6.332	0.112	13	4	2	2	
PL.48475	PL.48474	B	#4 ACSR	7.09Y	118.2	0.16	6.77	44.96	35	306	92	96	0.38	0.1	6.298	0.078	0	0	0	46	
PL.58978	PL.48475	B	#4 ACSR	7.08Y	118.0	0.23	7.00	44.96	35	305	92	96	0.55	0.2	6.411	0.113	0	0	1	46	
L PL.58979	PL.58978	B	#4 ACSR	7.07Y	117.9	0.11	7.11	44.96	35	305	91	96	0.26	0.1	6.465	0.054	0	0	1	45	L
L PL.48476	PL.58979	B	#4 ACSR	7.06Y	117.6	0.27	7.37	44.94	35	305	91	96	0.64	0.2	6.600	0.135	8	2	1	44	L
L PL.48481	PL.48476	B	#4 ACSR	7.05Y	117.6	0.05	7.42	35.99	28	243	73	96	0.10	0.0	6.632	0.032	0	0	0	38	L
L PL.47365	PL.48481	B	#4 ACSR	7.05Y	117.6	0.00	7.42	0.01	0	0	0	100	0.00	0.0	6.676	0.044	0	0	1	1	L
L PL.48482	PL.48481	B	#4 ACSR	7.05Y	117.5	0.12	7.55	35.99	28	243	73	96	0.24	0.1	6.708	0.077	0	0	1	37	L
L PL.57644	PL.48482	B	#4 ACSR	7.04Y	117.3	0.13	7.68	34.73	27	234	70	96	0.24	0.1	6.792	0.083	5	1	1	34	L
L PL.57645	PL.57644	B	#4 ACSR	7.03Y	117.2	0.10	7.78	30.82	24	208	62	96	0.17	0.1	6.869	0.078	11	3	1	32	L
L PL.57646	PL.57645	B	#4 ACSR	7.02Y	117.0	0.17	7.96	29.18	22	197	59	96	0.27	0.1	7.006	0.137	9	3	2	31	L
L PL.48483	PL.57646	B	#4 ACSR	7.01Y	116.8	0.20	8.15	27.83	21	187	56	96	0.29	0.2	7.164	0.158	0	0	0	29	L
L PL.47757	PL.48483	B	#4 ACSR	7.01Y	116.8	0.00	8.15	1.15	1	8	2	97	0.00	0.0	7.219	0.055	8	2	1	1	L
L PL.48484	PL.48483	B	#4 ACSR	7.00Y	116.6	0.23	8.38	26.69	21	179	54	96	0.32	0.2	7.353	0.189	1	0	1	28	L
L PL.48485	PL.48484	B	#4 ACSR	6.99Y	116.6	0.06	8.44	26.56	20	178	53	96	0.09	0.0	7.405	0.052	5	2	1	27	L
L PL.48486	PL.48485	B	#4 ACSR	6.99Y	116.5	0.04	8.48	25.79	20	173	51	96	0.05	0.0	7.438	0.033	0	0	0	26	L
L PL.48489	PL.48486	B	#4 ACSR	6.98Y	116.4	0.12	8.60	24.48	19	164	49	96	0.16	0.1	7.549	0.111	4	1	1	23	L
L PL.48490	PL.48489	B	#4 ACSR	6.98Y	116.3	0.14	8.74	23.85	18	160	48	96	0.18	0.1	7.683	0.134	7	2	2	22	L
L PL.48543	PL.48490	B	#4 ACSR	6.98Y	116.3	0.01	8.74	6.85	5	46	14	96	0.00	0.0	7.709	0.026	2	1	1	6	L
L PL.48544	PL.48543	B	#4 ACSR	6.97Y	116.2	0.01	8.76	6.48	5	43	13	96	0.00	0.0	7.755	0.046	0	0	0	5	L
L PL.47322	PL.48544	B	#4 ACSR	6.97Y	116.2	0.00	8.76	2.03	2	14	4	96	0.00	0.0	7.834	0.079	14	4	1	1	L
L PL.48545	PL.48544	B	#4 ACSR	6.97Y	116.2	0.01	8.77	4.44	3	30	9	96	0.00	0.0	7.837	0.083	14	4	2	4	L
L PL.48546	PL.48545	B	#4 ACSR	6.97Y	116.2	0.01	8.78	2.36	2	16	5	95	0.00	0.0	7.908	0.071	6	2	1	2	L
L PL.48547	PL.48546	B	#4 ACSR	6.97Y	116.2	0.01	8.78	1.53	1	10	3	96	0.00	0.0	7.987	0.079	0	0	0	1	L
L PL.46924	PL.48547	B	#2 ACSR	6.97Y	116.2	0.00	8.78	0.00	0	0	0	100	0.00	0.0	8.079	0.092	0	0	0	0	L
L PL.48548	PL.48547	B	#4 ACSR	6.97Y	116.2	0.00	8.78	1.53	1	10	3	96	0.00	0.0	8.062	0.075	10	3	1	1	L
L PL.46736	PL.48547	B	#4 ACSR	6.97Y	116.2	0.00	8.78	0.00	0	0	0	100	0.00	0.0	8.056	0.069	0	0	0	0	L
L PL.46799	PL.48490	B	#4 ACSR	6.97Y	116.2	0.07	8.80	16.01	12	107	32	96	0.05	0.1	7.782	0.099	13	4	1	14	L
L PL.46800	PL.46799	B	#4 ACSR	6.96Y	116.0	0.18	8.98	14.03	11	94	28	96	0.13	0.1	8.093	0.311	17	5	2	13	L
L PL.47640	PL.46800	B	#4 ACSR	6.96Y	116.0	0.00	8.98	0.53	0	4	1	97	0.00	0.0	8.158	0.065	4	1	1	1	L
L PL.46801	PL.46800	B	#4 ACSR	6.96Y	116.0	0.01	8.99	10.98	8	73	22	96	0.01	0.0	8.112	0.020	0	0	0	10	L

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Balanced Voltage Drop Report
Source: Conway

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PL.62986	PL.46801	B	#4 ACSR	6.96Y	116.0	0.00	8.99	10.98	8	73	22	96	0.00	0.0	8.120	0.008	0	0	0	10	L
L PL.62987	PL.62986	B	#4 ACSR	6.96Y	116.0	0.04	9.03	10.98	8	73	22	96	0.02	0.0	8.197	0.077	0	0	0	10	L
L PL.57700	PL.62987	B	#4 ACSR	6.96Y	116.0	0.00	9.03	1.12	1	7	2	96	0.00	0.0	8.255	0.058	7	2	3	3	L
L PL.46948	PL.62987	B	#4 ACSR	6.95Y	115.9	0.05	9.08	8.80	7	59	17	96	0.02	0.0	8.329	0.132	0	0	0	6	L
L PL.47705	PL.46948	B	#2 ACSR	6.95Y	115.9	0.01	9.10	3.61	2	24	7	96	0.00	0.0	8.440	0.110	0	0	0	3	L
L PL.47362	PL.47705	B	#2 ACSR	6.95Y	115.9	0.00	9.10	0.79	0	5	2	93	0.00	0.0	8.471	0.031	5	2	1	1	L
L PL.48549	PL.47705	B	#2 ACSR	6.95Y	115.9	0.01	9.10	2.82	2	19	6	95	0.00	0.0	8.621	0.182	19	6	2	2	L
L PL.46949	PL.46948	B	#4 ACSR	6.95Y	115.9	0.01	9.09	5.18	4	35	10	96	0.00	0.0	8.364	0.035	10	3	1	3	L
L PL.47704	PL.46949	B	#4 ACSR	6.95Y	115.9	0.02	9.11	3.69	3	25	7	96	0.00	0.0	8.622	0.258	25	7	2	2	L
L PL.47653	PL.62987	B	#1/0 ACSR	6.96Y	116.0	0.00	9.03	1.07	0	7	2	96	0.00	0.0	8.224	0.027	7	2	1	1	L
L PL.62988	PL.62986	B	#2 ACSR	6.96Y	116.0	0.00	8.99	0.00	0	0	0	100	0.00	0.0	8.230	0.109	0	0	0	0	L
L PL.62989	PL.62988	B	#2 ACSR	6.96Y	116.0	0.00	8.99	0.00	0	0	0	100	0.00	0.0	8.350	0.120	0	0	0	0	L
L PL.48487	PL.48486	B	#4 ACSR	6.99Y	116.5	0.01	8.48	1.31	1	9	3	95	0.00	0.0	7.539	0.101	0	0	1	3	L
L PL.48488	PL.48487	B	#4 ACSR	6.99Y	116.5	0.00	8.49	1.30	1	9	3	95	0.00	0.0	7.604	0.065	2	1	1	2	L
L PL.48491	PL.48488	B	#4 ACSR	6.99Y	116.5	0.01	8.49	1.03	1	7	2	96	0.00	0.0	7.801	0.197	0	0	0	1	L
L PL.47363	PL.48491	B	#2 ACSR	6.99Y	116.5	0.00	8.50	1.03	1	7	2	96	0.00	0.0	7.895	0.094	7	2	1	1	L
L PL.48492	PL.48491	B	#4 ACSR	6.99Y	116.5	0.00	8.49	0.00	0	0	0	100	0.00	0.0	7.875	0.074	0	0	0	0	L
L PL.48542	PL.48492	B	#4 ACSR	6.99Y	116.5	0.00	8.49	0.00	0	0	0	100	0.00	0.0	8.055	0.180	0	0	0	0	L
L PL.57647	PL.57644	B	#1/0 ACSR	7.04Y	117.3	0.00	7.68	3.21	1	22	6	96	0.00	0.0	6.822	0.031	0	0	0	1	L
L PL.61388	PL.57647	B	#1/0 ACSR	7.04Y	117.3	0.00	7.68	3.21	1	22	6	96	0.00	0.0	6.860	0.037	22	6	1	1	L
L PL.47321	PL.48482	B	#4 ACSR	7.05Y	117.5	0.00	7.55	1.23	1	8	2	97	0.00	0.0	6.748	0.039	8	2	2	2	L
L PL.48477	PL.48476	B	#4 ACSR	7.06Y	117.6	0.00	7.38	7.73	6	52	16	96	0.00	0.0	6.612	0.011	0	0	0	5	L
L PL.48478	PL.48477	B	#4 ACSR	7.06Y	117.6	0.02	7.39	7.73	6	52	16	96	0.01	0.0	6.659	0.048	6	2	1	5	L
L PL.48479	PL.48478	B	#4 ACSR	7.06Y	117.6	0.01	7.41	6.81	5	46	14	96	0.00	0.0	6.729	0.070	37	11	3	4	L
L PL.48480	PL.48479	B	#4 ACSR	7.06Y	117.6	0.00	7.41	1.37	1	9	3	95	0.00	0.0	6.812	0.084	9	3	1	1	L
PL.47418	PL.48475	B	#4 ACSR	7.09Y	118.2	0.00	6.77	0.00	0	0	0	100	0.00	0.0	6.405	0.107	0	0	0	0	
PL.57389	PL.57390	ABC	#3/0 ACSR	7.18Y	119.7	0.01	5.35	16.56	6	341	103	96	0.01	0.0	5.285	0.029	0	0	0	58	
PL.47162	PL.57389	ABC	#3/0 ACSR	7.18Y	119.6	0.00	5.35	2.64	1	54	16	96	0.00	0.0	5.318	0.033	1	0	1	9	
PL.47213	PL.47162	ABC	#3/0 ACSR	7.18Y	119.6	0.00	5.35	2.59	1	54	16	96	0.00	0.0	5.471	0.153	10	3	1	8	
PL.57848	PL.47213	ABC	#3/0 ACSR	7.18Y	119.6	0.00	5.36	2.12	1	44	13	96	0.00	0.0	5.547	0.077	15	5	3	7	
PL.57849	PL.57848	ABC	#3/0 ACSR	7.18Y	119.6	0.00	5.36	1.37	0	28	8	96	0.00	0.0	5.771	0.224	0	0	0	4	

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Balanced Voltage Drop Report
Source: Conway

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.48137	PL.57849	ABC	#3/0 ACSR	7.18Y	119.6	0.00	5.36	0.72	0	15	4	97	0.00	0.0	5.876	0.105	15	4	1	2
PL.57720	PL.48137	ABC	#3/0 ACSR	7.18Y	119.6	0.00	5.36	0.01	0	0	0	100	0.00	0.0	5.933	0.057	0	0	1	1
PL.62524	PL.57720	ABC	#3/0 ACSR	7.18Y	119.6	0.00	5.36	0.00	0	0	0	100	0.00	0.0	5.985	0.051	0	0	0	0
PD.9379-B	PL.62524	ABC	Open	7.18Y	119.6	0.00	5.36	0.00	0	0	0	100	0.00	0.0	5.985	0.051	0	0	0	0
PL.57659	PL.57849	A	#1/0 ACSR	7.18Y	119.6	0.00	5.36	1.94	1	13	4	96	0.00	0.0	5.813	0.041	0	0	0	2
PL.57660	PL.57659	A	#1/0 ACSR	7.18Y	119.6	0.00	5.36	1.94	1	13	4	96	0.00	0.0	5.836	0.023	13	4	2	2
PL.47303	PL.57389	C	#1/0 ACSR	7.18Y	119.6	0.00	5.35	41.77	18	287	87	96	0.01	0.0	5.289	0.003	0	0	0	49
PD.7559	PL.47303	C	100L	7.18Y	119.6	0.00	5.35	41.77	42	287	87	96	0.00	0.0	5.289	0.003	0	0	0	49
PL.57990	PD.7559	C	#1/0 ACSR	7.16Y	119.4	0.29	5.65	41.77	18	287	87	96	0.56	0.2	5.587	0.299	0	0	0	49
PL.57992	PL.57990	C	1/0 AL URD	7.16Y	119.4	0.00	5.65	0.82	0	6	1	99	0.00	0.0	5.648	0.061	6	2	1	1
PL.57991	PL.57990	C	#1/0 ACSR	7.15Y	119.2	0.11	5.76	40.95	18	281	85	96	0.21	0.1	5.704	0.116	2	1	1	48
PL.47415	PL.57991	C	#1/0 ACSR	7.15Y	119.1	0.10	5.86	40.62	18	278	84	96	0.19	0.1	5.809	0.105	0	0	0	47
PL.47416	PL.47415	C	#1/0 ACSR	7.15Y	119.1	0.05	5.91	40.62	18	278	84	96	0.09	0.0	5.861	0.052	0	0	0	47
PL.48333	PL.47416	C	#1/0 ACSR	7.14Y	119.1	0.03	5.94	35.80	16	245	74	96	0.06	0.0	5.901	0.040	0	0	0	43
PL.58667	PL.48333	C	#1/0 ACSR	7.14Y	118.9	0.13	6.07	35.80	16	245	74	96	0.22	0.1	6.057	0.156	0	0	0	43
PL.58666	PL.58667	C	#1/0 ACSR	7.14Y	118.9	0.00	6.08	1.67	1	11	3	96	0.00	0.0	6.113	0.056	11	3	1	1
PL.58668	PL.58667	C	#1/0 ACSR	7.13Y	118.8	0.14	6.22	34.14	15	233	70	96	0.22	0.1	6.234	0.177	0	0	0	42
PL.47913	PL.58668	C	#1/0 ACSR	7.12Y	118.7	0.04	6.25	32.62	14	223	67	96	0.05	0.0	6.281	0.047	2	1	1	41
PL.47914	PL.47913	C	#1/0 ACSR	7.12Y	118.7	0.04	6.29	32.35	14	221	66	96	0.06	0.0	6.338	0.057	15	4	1	40
PL.47915	PL.47914	C	#1/0 ACSR	7.11Y	118.6	0.14	6.43	30.18	13	206	62	96	0.19	0.1	6.534	0.195	0	0	1	39
PL.64592	PL.47915	C	#1/0 ACSR	7.11Y	118.5	0.05	6.48	30.18	13	206	61	96	0.06	0.0	6.600	0.067	9	3	1	38
PL.64593	PL.64592	C	#1/0 ACSR	7.11Y	118.5	0.00	6.48	28.88	13	197	59	96	0.00	0.0	6.600	0.000	0	0	0	37
PL.64591	PL.64593	C	#1/0 ACSR	7.11Y	118.5	0.04	6.52	28.88	13	197	59	96	0.05	0.0	6.655	0.055	0	0	0	37
PL.57787	PL.64591	C	#1/0 ACSR	7.11Y	118.5	0.03	6.54	24.11	10	164	49	96	0.03	0.0	6.702	0.046	4	1	1	31
PL.57788	PL.57787	C	#1/0 ACSR	7.11Y	118.4	0.02	6.56	23.48	10	160	48	96	0.02	0.0	6.736	0.034	0	0	0	30
PL.47176	PL.57788	C	#4 ACSR	7.11Y	118.4	0.00	6.56	0.48	0	3	1	95	0.00	0.0	6.756	0.021	3	1	3	3
PL.52293	PL.57788	C	#1/0 ACSR	7.10Y	118.4	0.04	6.60	23.01	10	157	47	96	0.04	0.0	6.817	0.081	13	4	1	27
PL.52129	PL.52293	C	#1/0 ACSR	7.10Y	118.3	0.08	6.68	19.35	8	132	39	96	0.07	0.1	6.985	0.169	0	0	0	25
PL.52131	PL.52129	C	#1/0 ACSR	7.10Y	118.3	0.00	6.68	4.17	2	28	8	96	0.00	0.0	6.986	0.001	0	0	0	7
PD.8017	PL.52131	C	40QA	7.10Y	118.3	0.00	6.68	4.17	10	28	8	96	0.00	0.0	6.986	0.001	0	0	0	7
PL.52133	PD.8017	C	#1/0 ACSR	7.10Y	118.3	0.00	6.68	4.17	2	28	8	96	0.00	0.0	7.019	0.033	0	0	0	7

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.64594	PL.52133	C	#1/0 ACSR	7.10Y	118.3	0.01	6.70	4.17	2	28	8	96	0.00	0.0	7.159	0.139	0	0	0	7
PL.64595	PL.64594	C	#2 ACSR	7.10Y	118.3	0.00	6.70	1.57	1	11	3	96	0.00	0.0	7.240	0.081	11	3	1	1
PL.64596	PL.64594	C	#1/0 ACSR	7.10Y	118.3	0.01	6.71	2.61	1	18	5	96	0.00	0.0	7.398	0.240	3	1	2	6
PL.52136	PL.64596	C	#1/0 ACSR	7.10Y	118.3	0.00	6.71	2.23	1	15	5	95	0.00	0.0	7.475	0.077	3	1	1	4
PL.52134	PL.52136	C	6 A (CWC)	7.10Y	118.3	0.00	6.71	0.01	0	0	0	100	0.00	0.0	7.638	0.163	0	0	1	1
PL.52137	PL.52136	C	#1/0 ACSR	7.10Y	118.3	0.01	6.72	1.80	1	12	4	95	0.00	0.0	7.738	0.263	0	0	0	2
PL.52135	PL.52137	C	6 A (CWC)	7.10Y	118.3	0.00	6.73	1.09	1	7	2	96	0.00	0.0	7.858	0.120	7	2	1	1
PL.52138	PL.52137	C	#1/0 ACSR	7.10Y	118.3	0.00	6.73	0.72	0	5	1	98	0.00	0.0	7.772	0.034	5	1	1	1
PL.52130	PL.52129	C	6 A (CWC)	7.10Y	118.3	0.00	6.68	0.00	0	0	0	100	0.00	0.0	7.324	0.339	0	0	0	0
PL.48644	PL.52130	C	6 A (CWC)	7.10Y	118.3	0.00	6.68	0.00	0	0	0	100	0.00	0.0	7.498	0.173	0	0	0	0
PL.48645	PL.48644	C	6 A (CWC)	7.10Y	118.3	0.00	6.68	0.00	0	0	0	100	0.00	0.0	7.727	0.229	0	0	0	0
PL.47701	PL.48644	C	6 A (CWC)	7.10Y	118.3	0.00	6.68	0.00	0	0	0	100	0.00	0.0	7.572	0.075	0	0	0	0
PL.52132	PL.52129	C	6 A (CWC)	7.10Y	118.3	0.00	6.68	1.25	1	9	3	95	0.00	0.0	7.012	0.027	9	3	1	1
PL.55965	PL.52129	C	#1/0 ACSR	7.10Y	118.3	0.05	6.73	13.92	6	95	28	96	0.03	0.0	7.152	0.167	5	2	2	17
PL.55966	PL.55965	C	#1/0 ACSR	7.09Y	118.2	0.06	6.79	13.18	6	90	27	96	0.03	0.0	7.331	0.179	0	0	0	15
PL.47504	PL.55966	C	#1/0 ACSR	7.09Y	118.2	0.00	6.79	0.77	0	5	2	93	0.00	0.0	7.356	0.025	0	0	1	2
PL.47505	PL.47504	C	#1/0 ACSR	7.09Y	118.2	0.00	6.79	0.77	0	5	2	93	0.00	0.0	7.423	0.066	5	2	1	1
PL.47500	PL.55966	C	#1/0 ACSR	7.09Y	118.2	0.01	6.80	9.64	4	66	19	96	0.01	0.0	7.388	0.057	0	0	0	10
PL.47506	PL.47500	C	6 A (CWC)	7.09Y	118.2	0.00	6.80	1.80	1	12	4	95	0.00	0.0	7.473	0.085	12	4	1	1
PL.47507	PL.47506	C	6 A (CWC)	7.09Y	118.2	0.00	6.80	0.00	0	0	0	100	0.00	0.0	7.596	0.123	0	0	0	0
PL.47501	PL.47500	C	#1/0 ACSR	7.09Y	118.2	0.01	6.81	7.83	3	53	16	96	0.00	0.0	7.450	0.063	0	0	0	9
PL.47519	PL.47501	C	#1/0 ACSR	7.09Y	118.2	0.00	6.81	0.65	0	4	1	97	0.00	0.0	7.475	0.024	4	1	1	1
PL.47508	PL.47501	C	#1/0 ACSR	7.09Y	118.2	0.02	6.83	7.18	3	49	15	96	0.01	0.0	7.553	0.102	0	0	0	8
PL.47509	PL.47508	C	#1/0 ACSR	7.09Y	118.1	0.03	6.86	6.77	3	46	14	96	0.01	0.0	7.763	0.210	0	0	0	7
PL.62585	PL.47509	C	#1/0 ACSR	7.09Y	118.1	0.00	6.86	0.00	0	0	0	100	0.00	0.0	7.856	0.093	0	0	0	0
PD.9393-A	PL.62585	C	Open	7.09Y	118.1	0.00	6.86	0.00	0	0	0	100	0.00	0.0	7.856	0.093	0	0	0	0
PL.47510	PL.47509	C	6 A (CWC)	7.09Y	118.1	0.02	6.88	6.22	4	42	13	96	0.01	0.0	7.854	0.091	16	5	1	6
PL.48636	PL.47510	C	6 A (CWC)	7.09Y	118.1	0.02	6.91	3.84	3	26	8	96	0.00	0.0	7.980	0.125	0	0	0	5
PL.48637	PL.48636	C	6 A (CWC)	7.08Y	118.1	0.01	6.92	3.84	3	26	8	96	0.00	0.0	8.057	0.077	0	0	0	5
PL.48638	PL.48637	C	6 A (CWC)	7.08Y	118.1	0.00	6.92	1.19	1	8	2	97	0.00	0.0	8.098	0.042	0	0	0	1
PL.48639	PL.48638	C	6 A (CWC)	7.08Y	118.1	0.00	6.92	1.19	1	8	2	97	0.00	0.0	8.099	0.001	8	2	1	1

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

Balanced Voltage Drop Report
Source: Conway

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.48640	PL.48637	C	6 A (CWC)	7.08Y	118.1	0.01	6.93	2.65	2	18	5	96	0.00	0.0	8.271	0.214	16	5	2	4
PL.48641	PL.48640	C	6 A (CWC)	7.08Y	118.1	0.00	6.93	0.00	0	0	0	100	0.00	0.0	8.507	0.236	0	0	0	0
PL.48642	PL.48640	C	6 A (CWC)	7.08Y	118.1	0.00	6.94	0.25	0	2	1	89	0.00	0.0	8.394	0.123	1	0	1	2
PL.48643	PL.48642	C	6 A (CWC)	7.08Y	118.1	0.00	6.94	0.12	0	1	0	100	0.00	0.0	8.607	0.214	1	0	1	1
PL.47708	PL.47509	C	6 A (CWC)	7.09Y	118.1	0.00	6.86	0.55	0	4	1	97	0.00	0.0	7.851	0.089	4	1	1	1
PL.47695	PL.47508	C	#1/0 ACSR	7.09Y	118.2	0.00	6.83	0.41	0	3	1	95	0.00	0.0	7.583	0.030	3	1	1	1
PL.47502	PL.55966	C	#2 ACSR	7.09Y	118.2	0.00	6.79	2.77	2	19	6	95	0.00	0.0	7.382	0.051	7	2	2	3
PL.47503	PL.47502	C	#2 ACSR	7.09Y	118.2	0.00	6.79	1.80	1	12	4	95	0.00	0.0	7.424	0.042	12	4	1	1
PL.52292	PL.52293	C	#4 ACSR	7.10Y	118.4	0.00	6.61	1.79	1	12	4	95	0.00	0.0	6.896	0.079	12	4	1	1
PL.57786	PL.64591	C	#2 ACSR	7.11Y	118.5	0.02	6.54	4.77	3	33	10	96	0.00	0.0	6.784	0.128	0	0	0	6
PL.47916	PL.57786	C	#2 ACSR	7.11Y	118.4	0.02	6.56	3.94	2	27	8	96	0.00	0.0	6.971	0.187	4	1	1	5
PL.47917	PL.47916	C	#2 ACSR	7.11Y	118.4	0.00	6.56	3.42	2	23	7	96	0.00	0.0	7.028	0.057	23	7	4	4
PL.47448	PL.57786	C	#2 ACSR	7.11Y	118.5	0.00	6.54	0.83	0	6	2	95	0.00	0.0	6.904	0.120	6	2	1	1
PL.58669	PL.58668	C	#1/0 ACSR	7.13Y	118.8	0.00	6.22	1.52	1	10	3	96	0.00	0.0	6.253	0.019	10	3	1	1
PL.48334	PL.47416	C	#2 ACSR	7.15Y	119.1	0.01	5.91	3.47	2	24	7	96	0.00	0.0	5.933	0.072	12	3	1	3
PL.48335	PL.48334	C	#2 ACSR	7.15Y	119.1	0.00	5.92	1.78	1	12	4	95	0.00	0.0	6.003	0.070	12	4	2	2
PL.47707	PL.47416	C	#4 ACSR	7.15Y	119.1	0.00	5.91	1.36	1	9	3	95	0.00	0.0	6.024	0.163	9	3	1	1
PL.57388	PL.57390	A	6 A (CWC)	7.18Y	119.7	0.00	5.34	1.61	1	11	3	96	0.00	0.0	5.257	0.001	0	0	0	1
PD.7174	PL.57388	A	25QA	7.18Y	119.7	0.00	5.34	1.61	6	11	3	96	0.00	0.0	5.257	0.001	0	0	0	1
PL.47304	PD.7174	A	6 A (CWC)	7.18Y	119.7	0.00	5.35	1.61	1	11	3	96	0.00	0.0	5.369	0.112	11	3	1	1
PL.48551	PL.48554	A	#2 ACSR	7.19Y	119.8	0.00	5.22	1.50	1	10	3	96	0.00	0.0	5.060	0.001	0	0	0	1
PD.7538	PL.48551	A	40QA	7.19Y	119.8	0.00	5.22	1.50	4	10	3	96	0.00	0.0	5.060	0.001	0	0	0	1
PL.48552	PD.7538	A	#2 ACSR	7.19Y	119.8	0.00	5.22	1.50	1	10	3	96	0.00	0.0	5.146	0.086	10	3	1	1
PL.48559	PL.48556	A	#2 ACSR	7.19Y	119.9	0.00	5.10	1.18	1	8	2	97	0.00	0.0	4.868	0.001	0	0	0	1
PD.7421	PL.48559	A	40QA	7.19Y	119.9	0.00	5.10	1.18	3	8	2	97	0.00	0.0	4.868	0.001	0	0	0	1
PL.48560	PD.7421	A	#2 ACSR	7.19Y	119.9	0.00	5.10	1.18	1	8	2	97	0.00	0.0	4.893	0.025	8	2	1	1
PL.48557	PL.48556	A	#2 ACSR	7.19Y	119.9	0.00	5.10	0.03	0	0	0	100	0.00	0.0	4.868	0.001	0	0	0	1
PD.7372	PL.48557	A	40QA	7.19Y	119.9	0.00	5.10	0.03	0	0	0	100	0.00	0.0	4.868	0.001	0	0	0	1
PL.48558	PD.7372	A	#2 ACSR	7.19Y	119.9	0.00	5.10	0.03	0	0	0	100	0.00	0.0	4.918	0.049	0	0	1	1
PL.63676	PL.63677	C	#4 ACSR	7.20Y	120.1	0.00	4.94	0.78	1	5	2	93	0.00	0.0	4.623	0.001	0	0	0	3
PD.7518	PL.63676	C	40QA	7.20Y	120.1	0.00	4.94	0.78	2	5	2	93	0.00	0.0	4.623	0.001	0	0	0	3

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.48047	PD.7518	C	#4 ACSR	7.20Y	120.1	0.00	4.94	0.78	1	5	2	93	0.00	0.0	4.635	0.013	5	2	3	3
PL.64008	PL.63677	B	#4 ACSR	7.20Y	120.1	0.00	4.94	4.27	3	30	9	96	0.00	0.0	4.623	0.001	0	0	0	5
PD.9510	PL.64008	B	40QA	7.20Y	120.1	0.00	4.94	4.27	11	30	9	96	0.00	0.0	4.623	0.001	0	0	0	5
PL.64214	PD.9510	B	#4 ACSR	7.20Y	120.1	0.01	4.94	4.27	3	30	9	96	0.00	0.0	4.661	0.039	9	3	3	5
PL.64215	PL.64214	B	#4 ACSR	7.20Y	120.1	0.00	4.95	2.94	2	20	6	96	0.00	0.0	4.714	0.053	20	6	2	2
PL.48051	PL.48053	C	#2 ACSR	7.22Y	120.3	0.00	4.73	2.75	2	19	6	95	0.00	0.0	4.320	0.004	0	0	0	2
PD.7422	PL.48051	C	40QA	7.22Y	120.3	0.00	4.73	2.75	7	19	6	95	0.00	0.0	4.320	0.004	0	0	0	2
PL.48052	PD.7422	C	#2 ACSR	7.22Y	120.3	0.00	4.73	2.75	2	19	6	95	0.00	0.0	4.368	0.048	19	6	2	2
PL.47284	PL.46734	A	6 A (CWC)	7.23Y	120.5	0.00	4.46	0.00	0	0	0	100	0.00	0.0	3.945	0.026	0	0	0	0
CP.69	PL.46742	ABC	Cap (300)	7.24Y	120.6	0.00	4.38	0.00	0	0	0	100	0.00	0.0	3.803	0.026	0	0	0	0
PL.48168	PL.48058	C	6 A (CWC)	7.26Y	121.0	0.00	3.98	13.40	10	93	28	96	0.00	0.0	3.221	0.001	0	0	0	17
PD.7424	PL.48168	C	40QA	7.26Y	121.0	0.00	3.98	13.40	34	93	28	96	0.00	0.0	3.221	0.001	0	0	0	17
PL.48179	PD.7424	C	6 A (CWC)	7.26Y	121.0	0.03	4.01	13.40	10	93	28	96	0.02	0.0	3.266	0.045	5	1	1	17
PL.48180	PL.48179	C	6 A (CWC)	7.26Y	121.0	0.03	4.04	12.73	9	89	26	96	0.02	0.0	3.312	0.046	1	0	1	16
PL.46879	PL.48180	C	6 A (CWC)	7.25Y	120.8	0.12	4.15	12.62	9	88	26	96	0.08	0.1	3.517	0.205	0	0	0	15
PL.46880	PL.46879	C	6 A (CWC)	7.24Y	120.7	0.10	4.26	11.90	8	83	25	96	0.06	0.1	3.718	0.201	8	2	2	13
PL.46881	PL.46880	C	6 A (CWC)	7.24Y	120.7	0.02	4.28	10.70	8	74	22	96	0.01	0.0	3.764	0.046	0	0	0	11
PL.47159	PL.46881	C	#4 ACSR	7.24Y	120.7	0.00	4.28	0.21	0	1	0	100	0.00	0.0	3.781	0.017	1	0	1	1
PL.46882	PL.46881	C	#4 ACSR	7.24Y	120.7	0.04	4.32	10.49	8	73	22	96	0.02	0.0	3.855	0.091	13	4	2	10
PL.47732	PL.46882	C	#4 ACSR	7.24Y	120.7	0.03	4.35	8.58	7	60	18	96	0.01	0.0	3.937	0.083	12	4	1	8
PL.47733	PL.47732	C	#4 ACSR	7.24Y	120.6	0.01	4.36	6.85	5	48	14	96	0.00	0.0	3.989	0.051	13	4	2	7
PL.47722	PL.47733	C	#1/0 ACSR	7.24Y	120.6	0.00	4.36	0.94	0	7	2	96	0.00	0.0	4.040	0.051	7	2	1	1
PL.47734	PL.47733	C	#4 ACSR	7.24Y	120.6	0.02	4.38	4.09	3	28	8	96	0.00	0.0	4.101	0.112	8	2	1	4
PL.47735	PL.47734	C	#4 ACSR	7.24Y	120.6	0.00	4.38	2.96	2	21	6	96	0.00	0.0	4.134	0.033	18	5	2	3
PL.47736	PL.47735	C	#4 ACSR	7.24Y	120.6	0.00	4.38	0.36	0	2	1	89	0.00	0.0	4.203	0.069	2	1	1	1
PL.47652	PL.46881	C	6 A (CWC)	7.24Y	120.7	0.00	4.28	0.00	0	0	0	100	0.00	0.0	3.935	0.171	0	0	0	0
PL.47549	PL.46879	C	6 A (CWC)	7.25Y	120.8	0.00	4.15	0.72	1	5	1	98	0.00	0.0	3.570	0.053	5	1	2	2
PL.47678	PL.47680	A	6 A (CWC)	7.27Y	121.2	0.00	3.80	18.85	13	131	39	96	0.00	0.0	2.977	0.001	0	0	0	25
PD.7425	PL.47678	A	40QA	7.27Y	121.2	0.00	3.80	18.85	47	131	39	96	0.00	0.0	2.977	0.001	0	0	0	25
PL.47679	PD.7425	A	6 A (CWC)	7.27Y	121.1	0.08	3.88	18.85	13	131	39	96	0.08	0.1	3.071	0.094	0	0	0	25
PL.47737	PL.47679	A	6 A (CWC)	7.26Y	121.1	0.07	3.95	5.58	4	39	12	96	0.02	0.0	3.345	0.274	5	2	2	7

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.63445	PL.47737	A	6 A (CWC)	7.26Y	121.0	0.01	3.95	4.83	3	34	10	96	0.00	0.0	3.385	0.040	8	2	2	5
PL.63446	PL.63445	A	6 A (CWC)	7.26Y	121.0	0.02	3.97	3.75	3	26	8	96	0.00	0.0	3.478	0.094	0	0	0	3
PL.47374	PL.63446	A	6 A (CWC)	7.26Y	121.0	0.00	3.97	0.00	0	0	0	100	0.00	0.0	3.537	0.058	0	0	0	0
PL.47771	PL.63446	A	6 A (CWC)	7.26Y	121.0	0.01	3.98	3.75	3	26	8	96	0.00	0.0	3.553	0.075	0	0	0	3
PL.47772	PL.47771	A	6 A (CWC)	7.26Y	121.0	0.00	3.98	0.00	0	0	0	100	0.00	0.0	3.617	0.064	0	0	0	0
PL.57527	PL.47771	A	6 A (CWC)	7.26Y	121.0	0.01	3.99	3.75	3	26	8	96	0.00	0.0	3.593	0.040	11	3	1	3
PL.57528	PL.57527	A	#1/0 ACSR	7.26Y	121.0	0.00	3.99	2.14	1	15	4	97	0.00	0.0	3.596	0.003	0	0	0	2
PD.8375	PL.57528	A	20QA	7.26Y	121.0	0.00	3.99	2.14	11	15	4	97	0.00	0.0	3.596	0.003	0	0	0	2
PL.59009	PD.8375	A	#1/0 ACSR	7.26Y	121.0	0.00	3.99	2.14	1	15	4	97	0.00	0.0	3.648	0.052	6	2	1	2
PL.60037	PL.59009	A	#1/0 ACSR	7.26Y	121.0	0.00	3.99	1.26	1	9	3	95	0.00	0.0	3.761	0.113	9	3	1	1
PL.47228	PL.47679	A	6 A (CWC)	7.27Y	121.1	0.01	3.89	13.27	9	92	27	96	0.01	0.0	3.086	0.015	5	1	1	18
PL.47229	PL.47228	A	6 A (CWC)	7.27Y	121.1	0.00	3.89	0.82	1	6	2	95	0.00	0.0	3.138	0.051	6	2	2	2
PL.47230	PL.47229	A	6 A (CWC)	7.27Y	121.1	0.00	3.89	0.00	0	0	0	100	0.00	0.0	3.191	0.054	0	0	0	0
PL.48060	PL.47228	A	6 A (CWC)	7.27Y	121.1	0.01	3.91	11.74	8	82	24	96	0.01	0.0	3.115	0.028	5	1	2	15
PL.48061	PL.48060	A	6 A (CWC)	7.26Y	121.1	0.02	3.93	11.03	8	77	23	96	0.01	0.0	3.158	0.043	0	0	0	13
PL.47687	PL.48061	A	6 A (CWC)	7.26Y	121.1	0.02	3.95	5.97	4	42	12	96	0.01	0.0	3.228	0.070	0	0	0	7
PL.46809	PL.47687	A	6 A (CWC)	7.26Y	121.1	0.00	3.95	1.43	1	10	3	96	0.00	0.0	3.256	0.028	10	3	3	3
PL.47773	PL.47687	A	6 A (CWC)	7.26Y	121.0	0.01	3.95	4.54	3	32	9	96	0.00	0.0	3.271	0.043	20	6	2	4
PL.48181	PL.47773	A	6 A (CWC)	7.26Y	121.0	0.00	3.96	1.65	1	11	3	96	0.00	0.0	3.309	0.038	0	0	0	2
PL.48182	PL.48181	A	6 A (CWC)	7.26Y	121.0	0.00	3.96	1.65	1	11	3	96	0.00	0.0	3.357	0.048	11	3	2	2
PL.57596	PL.48061	A	6 A (CWC)	7.26Y	121.1	0.01	3.93	5.06	4	35	10	96	0.00	0.0	3.193	0.036	4	1	2	6
PL.57597	PL.57596	A	6 A (CWC)	7.26Y	121.1	0.00	3.94	4.48	3	31	9	96	0.00	0.0	3.230	0.037	31	9	4	4
PL.63679	PL.64191	C	#2 ACSR	7.28Y	121.3	0.00	3.66	2.38	1	17	5	96	0.00	0.0	2.798	0.001	0	0	0	2
PD.7426	PL.63679	C	40QA	7.28Y	121.3	0.00	3.66	2.38	6	17	5	96	0.00	0.0	2.798	0.001	0	0	0	2
PL.47688	PD.7426	C	#2 ACSR	7.28Y	121.3	0.00	3.66	2.38	1	17	5	96	0.00	0.0	2.819	0.021	11	3	1	2
PL.48183	PL.47688	C	#2 ACSR	7.28Y	121.3	0.00	3.66	0.78	0	5	2	93	0.00	0.0	2.859	0.040	5	2	1	1
PL.64761	PL.47463	B	#1/0 ACSR	7.31Y	121.9	0.00	3.08	0.78	0	5	2	93	0.00	0.0	2.526	0.024	5	2	2	2
PL.62874	PL.62872	A	6 A (CWC)	7.37Y	122.8	0.00	2.24	8.99	6	63	19	96	0.00	0.0	1.847	0.003	0	0	0	12
PD.9440	PL.62874	A	50T	7.37Y	122.8	0.00	2.24	8.99	0	63	19	96	0.00	0.0	1.847	0.003	0	0	0	12
PL.62875	PD.9440	A	6 A (CWC)	7.36Y	122.7	0.03	2.27	8.99	6	63	19	96	0.01	0.0	1.920	0.073	0	0	0	12
PL.62569	PL.62875	A	6 A (CWC)	7.36Y	122.7	0.01	2.29	8.99	6	63	19	96	0.01	0.0	1.959	0.039	23	7	2	12

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.37860	PL.62569	A	6 A (CWC)	7.36Y	122.7	0.00	2.29	0.68	0	5	1	98	0.00	0.0	1.998	0.040	5	1	3	3
PL.38695	PL.62569	A	6 A (CWC)	7.36Y	122.7	0.01	2.29	5.03	4	36	11	96	0.00	0.0	1.986	0.027	8	2	1	7
PL.37588	PL.38695	A	6 A (CWC)	7.36Y	122.7	0.00	2.29	1.42	1	10	3	96	0.00	0.0	2.017	0.031	10	3	2	2
PL.37589	PL.38695	A	6 A (CWC)	7.36Y	122.7	0.00	2.29	2.52	2	18	5	96	0.00	0.0	2.014	0.029	14	4	3	4
PL.37590	PL.37589	A	6 A (CWC)	7.36Y	122.7	0.00	2.30	0.54	0	4	1	97	0.00	0.0	2.056	0.042	0	0	0	1
PL.62567	PL.37590	A	#1/0 ACSR	7.36Y	122.7	0.00	2.30	0.54	0	4	1	97	0.00	0.0	2.122	0.066	4	1	1	1
PL.62568	PL.62875	A	6 A (CWC)	7.36Y	122.7	0.00	2.27	0.00	0	0	0	100	0.00	0.0	1.949	0.029	0	0	0	0
PL.63943	PL.62652	A	#4 ACSR	7.40Y	123.4	0.00	1.60	3.02	2	21	6	96	0.00	0.0	1.282	0.004	0	0	0	2
PD.9524	PL.63943	A	50T	7.40Y	123.4	0.00	1.60	3.02	0	21	6	96	0.00	0.0	1.282	0.004	0	0	0	2
PL.63944	PD.9524	A	#4 ACSR	7.40Y	123.4	0.01	1.61	3.02	2	21	6	96	0.00	0.0	1.349	0.067	0	0	0	2
PL.62654	PL.63944	A	#4 ACSR	7.40Y	123.4	0.00	1.61	3.02	2	21	6	96	0.00	0.0	1.349	0.000	21	6	2	2
PL.62589	PL.62648	A	#4 ACSR	7.41Y	123.6	0.00	1.44	0.92	1	7	2	96	0.00	0.0	1.149	0.001	0	0	0	1
PD.9394	PL.62589	A	50T	7.41Y	123.6	0.00	1.44	0.92	0	7	2	96	0.00	0.0	1.149	0.001	0	0	0	1
PL.62588	PD.9394	A	#4 ACSR	7.41Y	123.6	0.00	1.44	0.00	0	0	0	100	0.00	0.0	1.171	0.022	0	0	0	0
PL.62587	PD.9394	A	#4 ACSR	7.41Y	123.6	0.00	1.45	0.92	1	7	2	96	0.00	0.0	1.190	0.041	7	2	1	1
PL.62613	PL.62612	C	6 A (CWC)	7.44Y	124.0	0.00	1.03	8.82	6	63	19	96	0.00	0.0	0.799	0.002	0	0	0	11
PD.9429	PL.62613	C	50T	7.44Y	124.0	0.00	1.03	8.82	0	63	19	96	0.00	0.0	0.799	0.002	0	0	0	11
PL.62611	PD.9429	C	6 A (CWC)	7.44Y	124.0	0.02	1.05	8.82	6	63	19	96	0.01	0.0	0.852	0.053	0	0	0	11
PL.37272	PL.62611	C	6 A (CWC)	7.44Y	123.9	0.00	1.05	1.55	1	11	3	96	0.00	0.0	0.919	0.067	0	0	0	2
PL.38688	PL.37272	C	6 A (CWC)	7.44Y	123.9	0.01	1.06	1.55	1	11	3	96	0.00	0.0	1.013	0.094	0	0	0	2
PL.38689	PL.38688	C	6 A (CWC)	7.44Y	123.9	0.01	1.07	1.55	1	11	3	96	0.00	0.0	1.128	0.115	5	2	1	2
PL.38690	PL.38689	C	6 A (CWC)	7.44Y	123.9	0.00	1.07	0.81	1	6	2	95	0.00	0.0	1.182	0.054	6	2	1	1
PL.37742	PL.62611	C	6 A (CWC)	7.44Y	123.9	0.01	1.06	7.27	5	52	15	96	0.00	0.0	0.912	0.061	52	15	9	9
PL.62605	PL.62628	C	#2 ACSR	7.46Y	124.3	0.00	0.73	1.74	1	12	4	95	0.00	0.0	0.560	0.002	0	0	0	1
PD.9426	PL.62605	C	50T	7.46Y	124.3	0.00	0.73	1.74	0	12	4	95	0.00	0.0	0.560	0.002	0	0	0	1
PL.62606	PD.9426	C	#2 ACSR	7.46Y	124.3	0.00	0.73	1.74	1	12	4	95	0.00	0.0	0.590	0.030	0	0	0	1
PL.37352	PL.62606	C	#2 ACSR	7.46Y	124.3	0.00	0.73	1.74	1	12	4	95	0.00	0.0	0.613	0.023	12	4	1	1
PL.62602	PL.62626	B	#4 ACSR	7.49Y	124.8	0.00	0.22	60.94	47	437	132	96	0.01	0.0	0.157	0.001	0	0	0	62
PD.6046	PL.62602	B	50T	7.49Y	124.8	0.00	0.22	60.94	0	437	132	96	0.00	0.0	0.157	0.001	0	0	0	62
PL.37853	PD.6046	B	#4 ACSR 6/	7.48Y	124.7	0.10	0.33	60.69	43	435	132	96	0.33	0.1	0.194	0.037	6	2	1	61
PL.38663	PL.37853	B	#4 ACSR 6/	7.46Y	124.4	0.27	0.60	59.84	43	428	130	96	0.86	0.2	0.291	0.097	5	1	2	60

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: Conway

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.38664	PL.38663	B	#4 ACSR 6/	7.45Y	124.2	0.19	0.79	59.13	42	422	128	96	0.60	0.1	0.360	0.069	2	0	1	58
PL.37555	PL.38664	B	#4 ACSR 6/	7.44Y	124.0	0.22	1.00	56.08	40	400	121	96	0.64	0.2	0.442	0.082	0	0	0	52
PL.37339	PL.37555	B	6 A (CWC)	7.44Y	124.0	0.00	1.00	0.32	0	2	1	89	0.00	0.0	0.569	0.127	2	1	1	1
PL.38665	PL.37555	B	#4 ACSR 6/	7.42Y	123.7	0.32	1.32	55.76	40	397	120	96	0.96	0.2	0.566	0.123	0	0	0	51
PL.37831	PL.38665	B	#4 ACSR 6/	7.42Y	123.7	0.00	1.33	0.45	0	3	1	95	0.00	0.0	0.686	0.120	3	1	1	1
PL.38666	PL.38665	B	#4 ACSR 6/	7.41Y	123.5	0.21	1.53	55.30	40	393	118	96	0.60	0.2	0.647	0.082	12	4	2	50
PL.38667	PL.38666	B	#4 ACSR 6/	7.39Y	123.1	0.34	1.88	53.56	38	380	114	96	0.98	0.3	0.785	0.138	0	0	0	48
PL.37385	PL.38667	B	6 A (CWC)	7.39Y	123.1	0.00	1.88	0.39	0	3	1	95	0.00	0.0	0.958	0.173	3	1	1	1
PL.38668	PL.38667	B	#4 ACSR 6/	7.38Y	123.0	0.17	2.05	53.17	38	376	113	96	0.47	0.1	0.855	0.070	17	5	1	47
PL.38669	PL.38668	B	6 A (CWC)	7.38Y	123.0	0.00	2.05	1.88	1	13	4	96	0.00	0.0	0.896	0.041	0	0	0	3
PL.38670	PL.38669	B	6 A (CWC)	7.38Y	122.9	0.00	2.05	0.66	0	5	1	98	0.00	0.0	0.986	0.090	5	1	1	1
PL.37381	PL.38669	B	#2 ACSR 6/	7.38Y	123.0	0.00	2.05	1.23	1	9	3	95	0.00	0.0	0.913	0.017	9	3	2	2
PL.38671	PL.38668	B	6 A (CWC)	7.36Y	122.7	0.21	2.26	48.94	35	346	104	96	0.55	0.2	0.950	0.095	0	0	0	43
PL.37706	PL.38671	B	#2 ACSR 6/	7.36Y	122.7	0.00	2.26	1.35	1	10	3	96	0.00	0.0	1.020	0.070	10	3	1	1
PL.64512	PL.38671	B	6 A (CWC)	7.35Y	122.6	0.18	2.44	47.59	34	336	101	96	0.45	0.1	1.032	0.082	0	0	0	42
PL.64510	PL.64512	B	6 A (CWC)	7.35Y	122.5	0.07	2.51	45.93	33	324	97	96	0.17	0.1	1.065	0.034	0	0	0	38
PL.64509	PL.64510	B	#4/0 ACSR	7.35Y	122.5	0.00	2.51	1.93	1	14	4	96	0.00	0.0	1.133	0.067	14	4	3	3
PL.64511	PL.64510	B	6 A (CWC)	7.34Y	122.4	0.10	2.61	44.00	31	310	93	96	0.23	0.1	1.117	0.052	19	6	2	35
PL.64514	PL.64511	B	#6 ACSR 6/	7.33Y	122.1	0.26	2.87	41.37	41	291	87	96	0.59	0.2	1.210	0.093	8	2	1	33
PL.38672	PL.64514	B	6 A (CWC)	7.32Y	122.0	0.17	3.04	40.17	29	282	84	96	0.35	0.1	1.304	0.094	18	5	2	32
PL.38673	PL.38672	B	6 A (CWC)	7.31Y	121.9	0.09	3.13	37.66	27	264	79	96	0.18	0.1	1.356	0.052	0	0	0	30
PL.37409	PL.38673	B	#4 ACSR 6/	7.30Y	121.7	0.13	3.26	36.03	26	252	75	96	0.25	0.1	1.434	0.077	0	0	0	29
PL.37188	PL.37409	B	6 A (CWC)	7.30Y	121.7	0.01	3.27	5.63	4	39	12	96	0.00	0.0	1.475	0.041	19	6	2	4
PL.37257	PL.37188	B	6 A (CWC)	7.30Y	121.7	0.00	3.27	2.96	2	21	6	96	0.00	0.0	1.501	0.026	21	6	2	2
PL.37410	PL.37409	B	#4 ACSR 6/	7.30Y	121.6	0.16	3.41	30.40	22	213	64	96	0.25	0.1	1.544	0.110	0	0	0	25
PL.38676	PL.37410	B	#4 ACSR 6/	7.29Y	121.6	0.01	3.42	1.62	1	11	3	96	0.00	0.0	1.632	0.088	0	0	0	1
PL.38677	PL.38676	B	#4 ACSR 6/	7.29Y	121.6	0.00	3.42	1.62	1	11	3	96	0.00	0.0	1.697	0.066	11	3	1	1
PL.37747	PL.37410	B	6 A (CWC)	7.29Y	121.5	0.13	3.54	28.78	21	201	60	96	0.20	0.1	1.643	0.099	5	1	1	24
PL.38438	PL.37747	B	6 A (CWC)	7.28Y	121.4	0.08	3.62	28.11	20	196	59	96	0.11	0.1	1.704	0.061	17	5	2	23
PL.37325	PL.38438	B	6 A (CWC)	7.28Y	121.4	0.00	3.62	1.44	1	10	3	96	0.00	0.0	1.749	0.045	10	3	1	1
PL.38674	PL.38438	B	6 A (CWC)	7.27Y	121.2	0.17	3.79	24.22	17	169	50	96	0.21	0.1	1.856	0.152	6	2	1	20

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Balanced Voltage Drop Report
Source: Conway

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.37251	PL.38674	B	#1/0 ACSR	7.27Y	121.2	0.00	3.79	1.87	1	13	4	96	0.00	0.0	1.970	0.115	13	4	1	1
PL.38675	PL.38674	B	6 A (CWC)	7.27Y	121.1	0.12	3.91	21.51	15	150	45	96	0.14	0.1	1.978	0.122	0	0	0	18
PL.37633	PL.38675	B	6 A (CWC)	7.25Y	120.8	0.25	4.16	21.32	15	148	44	96	0.28	0.2	2.235	0.257	0	0	1	17
PL.37634	PL.37633	B	6 A (CWC)	7.25Y	120.8	0.07	4.22	20.12	14	140	42	96	0.07	0.0	2.309	0.074	11	3	1	15
PL.37367	PL.37634	B	6 A (CWC)	7.24Y	120.7	0.05	4.28	18.56	13	129	38	96	0.05	0.0	2.369	0.060	0	0	0	14
PL.61406	PL.37367	B	#1/0 ACSR	7.24Y	120.7	0.00	4.28	2.93	1	20	6	96	0.00	0.0	2.373	0.003	0	0	0	2
PD.9137	PL.61406	B	20T	7.24Y	120.7	0.00	4.28	2.93	0	20	6	96	0.00	0.0	2.373	0.003	0	0	0	2
PL.61407	PD.9137	B	#1/0 ACSR	7.24Y	120.7	0.00	4.28	2.93	1	20	6	96	0.00	0.0	2.429	0.056	8	2	1	2
PL.61405	PL.61407	B	#1/0 ACSR	7.24Y	120.7	0.00	4.28	1.81	1	13	4	96	0.00	0.0	2.449	0.020	13	4	1	1
PL.37368	PL.37367	B	6 A (CWC)	7.24Y	120.7	0.06	4.33	15.63	11	109	32	96	0.05	0.0	2.452	0.082	3	1	1	12
PL.37548	PL.37368	B	6 A (CWC)	7.24Y	120.7	0.00	4.34	0.79	1	5	2	93	0.00	0.0	2.486	0.034	5	2	1	1
PL.37371	PL.37368	B	6 A (CWC)	7.24Y	120.6	0.03	4.37	14.48	10	100	30	96	0.02	0.0	2.500	0.049	0	0	0	10
PL.62823	PL.37371	B	#4 ACSR	7.23Y	120.5	0.11	4.48	12.45	10	86	26	96	0.07	0.1	2.701	0.200	0	0	0	9
PL.62824	PL.62823	B	#4 ACSR	7.23Y	120.5	0.02	4.50	12.45	10	86	26	96	0.01	0.0	2.733	0.033	0	0	0	9
PL.62826	PL.62824	B	#1/0 ACSR	7.23Y	120.5	0.00	4.50	0.37	0	3	1	95	0.00	0.0	2.750	0.017	3	1	2	2
PL.62825	PL.62824	B	#4 ACSR	7.23Y	120.5	0.02	4.52	12.08	9	84	25	96	0.01	0.0	2.780	0.047	11	3	1	7
PL.37372	PL.62825	B	6 A (CWC)	7.23Y	120.5	0.02	4.54	10.56	8	73	22	96	0.01	0.0	2.811	0.031	0	0	0	6
PL.61030	PL.37372	B	6 A (CWC)	7.22Y	120.4	0.05	4.58	8.97	6	62	18	96	0.02	0.0	2.929	0.118	0	0	0	5
PL.61031	PL.61030	B	6 A (CWC)	7.22Y	120.4	0.01	4.59	8.08	6	56	17	96	0.00	0.0	2.951	0.021	18	5	1	4
PL.37220	PL.61031	B	6 A (CWC)	7.22Y	120.4	0.03	4.62	5.43	4	38	11	96	0.01	0.0	3.085	0.134	12	3	1	3
PL.61404	PL.37220	B	#1/0 ACSR	7.22Y	120.4	0.00	4.62	1.46	1	10	3	96	0.00	0.0	3.282	0.197	10	3	1	1
PL.38397	PL.37220	B	6 A (CWC)	7.22Y	120.4	0.00	4.62	2.30	2	16	5	95	0.00	0.0	3.156	0.071	16	5	1	1
PL.61032	PL.61030	B	#1/0 ACSR	7.22Y	120.4	0.00	4.58	0.89	0	6	2	95	0.00	0.0	2.983	0.054	6	2	1	1
PL.36758	PL.37372	B	#2 ACSR 6/	7.23Y	120.5	0.00	4.54	1.59	1	11	3	96	0.00	0.0	3.001	0.189	11	3	1	1
PL.37369	PL.37371	B	#4 ACSR 6/	7.24Y	120.6	0.00	4.37	2.03	1	14	4	96	0.00	0.0	2.529	0.028	0	0	0	1
PL.37370	PL.37369	B	#4 ACSR 6/	7.24Y	120.6	0.00	4.37	2.03	1	14	4	96	0.00	0.0	2.591	0.062	14	4	1	1
PL.37746	PL.37633	B	6 A (CWC)	7.25Y	120.8	0.00	4.16	1.19	1	8	2	97	0.00	0.0	2.299	0.063	8	2	1	1
PL.37862	PL.38675	B	6 A (CWC)	7.27Y	121.1	0.00	3.91	0.19	0	1	0	100	0.00	0.0	2.061	0.083	1	0	1	1
PL.38423	PL.37409	B	6 A (CWC)	7.30Y	121.7	0.00	3.26	0.00	0	0	0	100	0.00	0.0	1.475	0.041	0	0	0	0
PL.37705	PL.38673	B	#4 ACSR 6/	7.31Y	121.9	0.00	3.13	1.64	1	11	3	96	0.00	0.0	1.420	0.064	11	3	1	1
PL.64513	PL.64512	B	#4 ACSR 6/	7.35Y	122.6	0.00	2.44	1.65	1	12	3	97	0.00	0.0	1.066	0.034	0	0	1	4

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Balanced Voltage Drop Report
Source: Conway

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.37115	PL.64513	B	#4 ACSR 6/	7.35Y	122.6	0.00	2.44	1.64	1	12	3	97	0.00	0.0	1.112	0.047	6	2	1	3
PL.37116	PL.37115	B	#4 ACSR 6/	7.35Y	122.6	0.00	2.45	0.76	1	5	2	93	0.00	0.0	1.189	0.076	5	2	2	2
PL.38433	PL.38664	B	#4 ACSR 6/	7.45Y	124.2	0.02	0.81	2.84	2	20	6	96	0.00	0.0	0.515	0.156	3	1	1	5
PL.38434	PL.38433	B	#4 ACSR 6/	7.45Y	124.2	0.01	0.81	2.48	2	18	5	96	0.00	0.0	0.604	0.088	18	5	4	4
PL.64896	PD.6046	B	#1/0 ACSR	7.49Y	124.8	0.00	0.22	0.26	0	2	1	89	0.00	0.0	0.211	0.054	2	1	1	1
PL.62356	PL.64896	B	#4 ACSR	7.49Y	124.8	0.00	0.22	0.00	0	0	0	100	0.00	0.0	0.277	0.066	0	0	0	0
PL.62357	PL.64896	B	#4 ACSR	7.49Y	124.8	0.00	0.22	0.00	0	0	0	100	0.00	0.0	0.254	0.043	0	0	0	0
PL.62140	Conway	ABC	336 MCM AC	7.50Y	125.0	0.01	0.01	118.30	23	2525	842	95	0.08	0.0	0.006	0.006	0	0	0	416
PL.62141	PL.62140	ABC	336 MCM AC	7.50Y	125.0	0.01	0.01	118.30	23	2525	842	95	0.10	0.0	0.015	0.009	0	0	0	416
---------- Feeder No. 3 (ScaffoldCaneF3) Beginning with Device PD.9312 ----------																				
PD.9312	PL.62141	ABC	480VWE	7.50Y	125.0	0.00	0.01	118.30	0	2525	842	95	0.00	0.0	0.015	0.009	0	0	0	416
PL.62125	PD.9312	ABC	336 MCM AC	7.50Y	124.9	0.05	0.07	118.30	23	2525	842	95	0.68	0.0	0.073	0.057	0	0	0	416
PL.62127	PL.62125	ABC	336 MCM AC	7.48Y	124.6	0.29	0.36	118.30	23	2524	840	95	3.64	0.1	0.382	0.309	0	0	0	416
PL.62128	PL.62127	ABC	336 MCM AC	7.46Y	124.4	0.24	0.59	118.30	23	2521	832	95	3.00	0.1	0.636	0.254	0	0	0	416
PL.62129	PL.62128	ABC	336 MCM AC	7.46Y	124.3	0.08	0.68	118.30	23	2518	825	95	1.06	0.0	0.726	0.090	1	0	1	416
PL.38686	PL.62129	C	#1/0 ACSR	7.46Y	124.3	0.00	0.68	1.27	1	9	3	95	0.00	0.0	0.728	0.002	0	0	0	1
PD.5989	PL.38686	C	30QA	7.46Y	124.3	0.00	0.68	1.27	4	9	3	95	0.00	0.0	0.728	0.002	0	0	0	1
PL.38687	PD.5989	C	#1/0 ACSR	7.46Y	124.3	0.00	0.68	1.27	1	9	3	95	0.00	0.0	0.757	0.029	9	3	1	1
PL.37310	PL.62129	ABC	336 MCM AC	7.46Y	124.3	0.05	0.73	117.83	23	2506	819	95	0.64	0.0	0.781	0.055	0	0	0	414
PL.37311	PL.37310	A	#2 ACSR	7.46Y	124.3	0.00	0.73	0.00	0	0	0	100	0.00	0.0	0.782	0.001	0	0	0	0
PD.6059	PL.37311	A	30QA	7.46Y	124.3	0.00	0.73	0.00	0	0	0	100	0.00	0.0	0.782	0.001	0	0	0	0
PL.37312	PD.6059	A	#2 ACSR	7.46Y	124.3	0.00	0.73	0.00	0	0	0	100	0.00	0.0	0.830	0.047	0	0	0	0
PL.61769	PL.37310	ABC	336 MCM AC	7.45Y	124.2	0.04	0.77	117.83	23	2506	818	95	0.49	0.0	0.823	0.042	0	0	0	414
PL.61768	PL.61769	ABC	336 MCM AC	7.45Y	124.2	0.04	0.81	117.83	23	2505	816	95	0.52	0.0	0.868	0.045	0	0	0	414
PL.52505	PL.61768	ABC	336 MCM AC	7.45Y	124.2	0.00	0.81	117.83	23	2505	815	95	0.02	0.0	0.869	0.002	0	0	0	414
PL.52502	PL.52505	ABC	336 MCM AC	7.45Y	124.2	0.04	0.85	117.83	23	2505	815	95	0.49	0.0	0.911	0.042	0	0	0	414
PL.52503	PL.52502	ABC	336 MCM AC	7.43Y	123.9	0.26	1.11	117.08	23	2488	809	95	3.31	0.1	1.198	0.287	0	0	0	413
PL.38684	PL.52503	ABC	336 MCM AC	7.43Y	123.8	0.05	1.16	117.08	23	2485	802	95	0.69	0.0	1.258	0.060	0	0	0	413
PL.38681	PL.38684	A	#1/0 ACSR	7.43Y	123.8	0.00	1.16	1.59	1	11	3	96	0.00	0.0	1.259	0.001	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: Conway

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.5968	PL.38681	A	25QA	7.43Y	123.8	0.00	1.16	1.59	6	11	3	96	0.00	0.0	1.259	0.001	0	0	0	1
PL.38682	PD.5968	A	#1/0 ACSR	7.43Y	123.8	0.00	1.17	1.59	1	11	3	96	0.00	0.0	1.289	0.030	0	0	0	1
PL.38683	PL.38682	A	#1/0 ACSR	7.43Y	123.8	0.00	1.17	1.59	1	11	3	96	0.00	0.0	1.334	0.045	11	3	1	1
PL.38680	PL.38684	ABC	336 MCM AC	7.43Y	123.8	0.03	1.19	116.56	22	2473	797	95	0.32	0.0	1.286	0.028	0	0	0	412
PL.38679	PL.38680	ABC	336 MCM AC	7.42Y	123.7	0.07	1.26	116.56	22	2473	796	95	0.87	0.0	1.361	0.076	8	2	1	412
PL.38026	PL.38679	A	#2 ACSR	7.42Y	123.7	0.00	1.26	0.00	0	0	0	100	0.00	0.0	1.362	0.001	0	0	0	0
PD.5974	PL.38026	A	60QA	7.42Y	123.7	0.00	1.26	0.00	0	0	0	100	0.00	0.0	1.362	0.001	0	0	0	0
PL.38678	PD.5974	A	#2 ACSR	7.42Y	123.7	0.00	1.26	0.00	0	0	0	100	0.00	0.0	1.401	0.039	0	0	0	0
PL.37768	PL.38679	ABC	336 MCM AC	7.42Y	123.7	0.09	1.34	116.16	22	2463	791	95	1.07	0.0	1.455	0.094	10	3	2	411
PL.37767	PL.37768	ABC	336 MCM AC	7.42Y	123.6	0.07	1.41	115.71	22	2453	786	95	0.86	0.0	1.532	0.076	0	0	0	409
PL.37112	PL.37767	ABC	336 MCM AC	7.41Y	123.5	0.08	1.49	115.36	22	2444	782	95	1.02	0.0	1.623	0.091	4	1	1	408
PL.37760	PL.37112	ABC	336 MCM AC	7.41Y	123.4	0.06	1.56	115.20	22	2440	778	95	0.77	0.0	1.693	0.069	0	0	0	407
PL.38021	PL.37760	ABC	336 MCM AC	7.40Y	123.4	0.05	1.61	114.82	22	2431	774	95	0.66	0.0	1.752	0.059	0	0	0	406
PL.38020	PL.38021	ABC	336 MCM AC	7.40Y	123.3	0.05	1.66	114.82	22	2430	773	95	0.57	0.0	1.804	0.052	0	0	0	406
PL.60038	PL.38020	ABC	#1/0 ACSR	7.40Y	123.3	0.01	1.66	12.91	6	273	88	95	0.01	0.0	1.831	0.027	17	5	1	39
PL.60039	PL.60038	ABC	#1/0 ACSR	7.40Y	123.3	0.01	1.67	12.13	5	256	83	95	0.01	0.0	1.854	0.023	0	0	0	38
PL.60042	PL.60039	ABC	#1/0 ACSR	7.40Y	123.3	0.00	1.67	12.13	5	256	83	95	0.00	0.0	1.857	0.003	0	0	0	38
PD.8846	PL.60042	ABC	70L	7.40Y	123.3	0.00	1.67	12.13	17	256	83	95	0.00	0.0	1.857	0.003	0	0	0	38
PL.60043	PD.8846	ABC	#1/0 ACSR	7.40Y	123.3	0.00	1.67	12.13	5	256	83	95	0.01	0.0	1.877	0.020	0	0	0	38
PL.60040	PL.60043	ABC	#4 ACSR	7.40Y	123.3	0.00	1.67	0.52	0	11	3	96	0.00	0.0	1.906	0.029	11	3	1	1
PL.60041	PL.60043	ABC	#1/0 ACSR	7.40Y	123.3	0.01	1.68	11.61	5	245	80	95	0.01	0.0	1.921	0.044	13	4	2	37
PL.38592	PL.60041	A	6 A (CWC)	7.40Y	123.3	0.00	1.68	1.92	1	14	4	96	0.00	0.0	1.921	0.000	0	0	0	2
PD.5971	PL.38592	A	40QA	7.40Y	123.3	0.00	1.68	1.92	5	14	4	96	0.00	0.0	1.921	0.000	0	0	0	2
PL.38593	PD.5971	A	6 A (CWC)	7.40Y	123.3	0.00	1.68	1.92	1	14	4	96	0.00	0.0	1.988	0.067	14	4	2	2
PL.38594	PL.60041	ABC	#1/0 ACSR	7.40Y	123.3	0.01	1.69	10.36	5	219	72	95	0.01	0.0	1.962	0.042	3	1	1	33
PL.38595	PL.38594	ABC	#1/0 ACSR	7.40Y	123.3	0.02	1.71	10.21	4	215	71	95	0.03	0.0	2.075	0.113	0	0	0	32
PL.37113	PL.38595	ABC	#1/0 ACSR	7.40Y	123.3	0.01	1.72	9.89	4	209	69	95	0.01	0.0	2.114	0.039	0	0	0	31
PL.37114	PL.37113	ABC	#1/0 ACSR	7.39Y	123.2	0.06	1.78	9.55	4	201	67	95	0.09	0.0	2.475	0.360	0	0	0	30
PL.38600	PL.37114	A	#2 ACSR	7.39Y	123.2	0.00	1.78	20.48	12	145	43	96	0.00	0.0	2.475	0.000	0	0	0	23
PD.5973	PL.38600	A	40QA	7.39Y	123.2	0.00	1.78	20.48	51	145	43	96	0.00	0.0	2.475	0.000	0	0	0	23
PL.38601	PD.5973	A	#2 ACSR	7.39Y	123.1	0.11	1.90	20.48	12	145	43	96	0.11	0.1	2.668	0.193	27	8	2	23

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Balanced Voltage Drop Report
Source: Conway

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.57560	PL.38601	A	#2 ACSR	7.38Y	123.1	0.03	1.92	12.67	7	90	27	96	0.02	0.0	2.741	0.072	0	0	0	19
PL.57561	PL.57560	A	#2 ACSR	7.38Y	123.1	0.01	1.93	7.16	4	51	15	96	0.00	0.0	2.790	0.049	10	3	1	11
PL.37920	PL.57561	A	#4 ACSR	7.38Y	123.1	0.01	1.94	2.90	2	21	6	96	0.00	0.0	2.878	0.088	6	2	2	5
PL.37635	PL.37920	A	#4 ACSR	7.38Y	123.1	0.00	1.95	1.88	1	13	4	96	0.00	0.0	2.966	0.088	10	3	1	2
PL.37636	PL.37635	A	#4 ACSR	7.38Y	123.1	0.00	1.95	0.45	0	3	1	95	0.00	0.0	3.022	0.056	3	1	1	1
PL.37921	PL.37920	A	#4 ACSR	7.38Y	123.1	0.00	1.95	0.21	0	1	0	100	0.00	0.0	3.151	0.273	1	0	1	1
PL.37725	PL.57561	A	#2 ACSR	7.38Y	123.1	0.00	1.94	1.61	1	11	3	96	0.00	0.0	2.828	0.039	11	3	2	2
PL.37922	PL.57561	A	#2 ACSR	7.38Y	123.1	0.01	1.94	1.25	1	9	3	95	0.00	0.0	2.957	0.167	3	1	1	3
PL.37923	PL.37922	A	#2 ACSR	7.38Y	123.1	0.00	1.94	0.79	0	6	2	95	0.00	0.0	2.997	0.040	0	0	1	2
PL.37924	PL.37923	A	#2 ACSR	7.38Y	123.1	0.00	1.94	0.79	0	6	2	95	0.00	0.0	3.029	0.032	6	2	1	1
PL.57562	PL.57560	A	#2 ACSR	7.38Y	123.1	0.02	1.94	5.51	3	39	12	96	0.01	0.0	2.852	0.112	0	0	0	8
PL.57563	PL.57562	A	#1/0 ACSR	7.38Y	123.1	0.00	1.94	1.46	1	10	3	96	0.00	0.0	2.856	0.004	0	0	0	2
PD.8378	PL.57563	A	20QA	7.38Y	123.1	0.00	1.94	1.46	7	10	3	96	0.00	0.0	2.856	0.004	0	0	0	2
PL.65308	PD.8378	A	#1/0 ACSR	7.38Y	123.1	0.00	1.94	1.46	1	10	3	96	0.00	0.0	2.904	0.047	10	3	2	2
PL.57526	PL.57562	A	#2 ACSR	7.38Y	123.1	0.01	1.95	4.05	2	29	9	96	0.00	0.0	2.892	0.040	0	0	0	6
PL.57349	PL.57526	A	#2 ACSR	7.38Y	123.0	0.01	1.95	4.05	2	29	9	96	0.00	0.0	2.943	0.050	6	2	1	6
PL.57347	PL.57349	A	#2 ACSR	7.38Y	123.0	0.00	1.96	0.61	0	4	1	97	0.00	0.0	3.012	0.069	4	1	2	2
PL.57346	PL.57349	A	#2 ACSR	7.38Y	123.0	0.00	1.96	2.59	1	18	5	96	0.00	0.0	3.007	0.064	11	3	1	3
PL.37423	PL.57346	A	#2 ACSR	7.38Y	123.0	0.00	1.96	1.00	1	7	2	96	0.00	0.0	3.035	0.028	0	0	0	2
PL.57348	PL.37423	A	#2 ACSR	7.38Y	123.0	0.00	1.96	1.00	1	7	2	96	0.00	0.0	3.060	0.026	7	2	2	2
PL.37421	PL.38601	A	#2 ACSR	7.39Y	123.1	0.00	1.90	4.07	2	29	9	96	0.00	0.0	2.694	0.025	0	0	0	2
PL.37422	PL.37421	A	#2 ACSR	7.39Y	123.1	0.00	1.90	2.58	1	18	5	96	0.00	0.0	2.732	0.039	18	5	1	1
PL.37293	PL.37421	A	#2 ACSR	7.39Y	123.1	0.00	1.90	1.49	1	11	3	96	0.00	0.0	2.729	0.035	11	3	1	1
PL.37778	PL.37114	ABC	#2 ACSR	7.39Y	123.2	0.01	1.80	2.74	2	56	23	93	0.01	0.0	2.680	0.205	0	0	1	7
PL.37687	PL.37778	C	#2 ACSR	7.39Y	123.2	0.01	1.80	1.35	1	10	3	96	0.00	0.0	2.817	0.137	0	0	0	2
PL.37828	PL.37687	C	#2 ACSR	7.39Y	123.2	0.00	1.80	1.35	1	10	3	96	0.00	0.0	2.861	0.043	6	2	1	2
PL.62706	PL.37828	C	#2 ACSR	7.39Y	123.2	0.00	1.80	0.57	0	4	1	97	0.00	0.0	2.861	0.000	0	0	0	1
PL.62705	PL.62706	C	#2 ACSR	7.39Y	123.2	0.00	1.80	0.57	0	4	1	97	0.00	0.0	2.963	0.102	4	1	1	1
PL.38662	PL.37778	ABC	#2 ACSR	7.39Y	123.2	0.00	1.80	2.17	1	44	20	91	0.00	0.0	2.681	0.001	0	0	0	3
PD.5995	PL.38662	ABC	40QA	7.39Y	123.2	0.00	1.80	2.17	5	44	20	91	0.00	0.0	2.681	0.001	0	0	0	3
PL.62707	PD.5995	ABC	#2 ACSR	7.39Y	123.2	0.00	1.80	2.17	1	44	20	91	0.00	0.0	2.713	0.032	8	3	1	3

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Balanced Voltage Drop Report
Source: Conway

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.62708	PL.62707	ABC	#2 ACSR	7.39Y	123.2	0.01	1.80	1.78	1	35	17	90	0.00	0.0	2.956	0.243	31	15	1	2
PL.63075	PL.62708	ABC	#1/0 ACSR	7.39Y	123.2	0.00	1.80	0.23	0	5	2	93	0.00	0.0	2.958	0.002	5	2	1	1
PL.37338	PL.37778	C	#4 ACSR	7.39Y	123.2	0.00	1.80	0.34	0	2	1	89	0.00	0.0	2.761	0.081	2	1	1	1
PL.38598	PL.37113	C	#4 ACSR	7.40Y	123.3	0.00	1.72	1.02	1	7	2	96	0.00	0.0	2.115	0.000	0	0	0	1
PD.6003	PL.38598	C	40QA	7.40Y	123.3	0.00	1.72	1.02	3	7	2	96	0.00	0.0	2.115	0.000	0	0	0	1
PL.38599	PD.6003	C	#4 ACSR	7.40Y	123.3	0.00	1.72	1.02	1	7	2	96	0.00	0.0	2.152	0.037	7	2	1	1
PL.38596	PL.38595	C	#4 ACSR	7.40Y	123.3	0.00	1.71	0.96	1	7	2	96	0.00	0.0	2.077	0.002	0	0	0	1
PD.5972	PL.38596	C	40QA	7.40Y	123.3	0.00	1.71	0.96	2	7	2	96	0.00	0.0	2.077	0.002	0	0	0	1
PL.38597	PD.5972	C	#4 ACSR	7.40Y	123.3	0.00	1.71	0.96	1	7	2	96	0.00	0.0	2.112	0.035	7	2	1	1
PL.37554	PL.38020	ABC	336 MCM AC	7.40Y	123.3	0.03	1.69	101.91	20	2157	683	95	0.37	0.0	1.846	0.042	2	1	1	367
PL.37553	PL.37554	ABC	336 MCM AC	7.40Y	123.3	0.03	1.72	101.82	20	2155	682	95	0.37	0.0	1.889	0.043	10	3	2	366
PL.38357	PL.37553	ABC	336 MCM AC	7.39Y	123.2	0.04	1.76	101.35	20	2144	678	95	0.43	0.0	1.938	0.049	9	3	1	364
PL.38356	PL.38357	ABC	336 MCM AC	7.39Y	123.2	0.03	1.79	100.95	19	2135	675	95	0.34	0.0	1.978	0.040	13	4	1	363
PL.37536	PL.38356	ABC	336 MCM AC	7.39Y	123.2	0.03	1.83	99.46	19	2103	664	95	0.37	0.0	2.023	0.045	17	5	2	358
PL.37552	PL.37536	ABC	336 MCM AC	7.39Y	123.1	0.03	1.86	98.66	19	2086	658	95	0.32	0.0	2.061	0.039	0	0	0	356
PL.38450	PL.37552	ABC	336 MCM AC	7.39Y	123.1	0.02	1.88	98.66	19	2086	658	95	0.21	0.0	2.088	0.026	0	0	0	356
PL.37109	PL.38450	C	#2 ACSR	7.39Y	123.1	0.02	1.89	36.47	21	258	77	96	0.03	0.0	2.103	0.016	0	0	0	41
PL.37532	PL.37109	C	#2 ACSR	7.39Y	123.1	0.00	1.89	36.47	21	258	77	96	0.00	0.0	2.104	0.001	0	0	0	41
PD.6085	PL.37532	C	50L	7.39Y	123.1	0.00	1.89	36.47	73	258	77	96	0.00	0.0	2.104	0.001	0	0	0	41
PL.37533	PD.6085	C	#2 ACSR	7.38Y	123.1	0.05	1.94	36.47	21	258	77	96	0.09	0.0	2.148	0.044	5	2	1	41
PL.37551	PL.37533	C	#2 ACSR	7.38Y	123.0	0.04	1.98	35.72	20	253	76	96	0.07	0.0	2.181	0.033	1	0	1	40
PL.37531	PL.37551	C	#2 ACSR	7.38Y	123.0	0.06	2.05	35.52	20	251	75	96	0.11	0.0	2.237	0.057	4	1	2	39
PL.37550	PL.37531	C	#2 ACSR	7.37Y	122.8	0.11	2.15	34.99	20	247	74	96	0.19	0.1	2.336	0.099	8	2	1	37
PL.37184	PL.37550	C	#2 ACSR	7.37Y	122.8	0.09	2.24	33.90	19	239	72	96	0.15	0.1	2.418	0.082	13	4	1	36
PL.37183	PL.37184	C	#2 ACSR	7.36Y	122.7	0.06	2.30	32.03	18	226	68	96	0.10	0.0	2.482	0.063	9	3	1	35
PL.37529	PL.37183	C	#2 ACSR	7.35Y	122.6	0.12	2.43	30.80	18	217	65	96	0.19	0.1	2.611	0.130	10	3	3	34
PL.37530	PL.37529	C	#2 ACSR	7.35Y	122.5	0.09	2.52	28.10	16	198	59	96	0.13	0.1	2.713	0.102	1	0	1	30
PL.37343	PL.37530	C	6 A (CWC)	7.34Y	122.4	0.07	2.59	20.76	15	146	44	96	0.08	0.1	2.785	0.072	0	0	0	23
PL.37317	PL.37343	C	6 A (CWC)	7.34Y	122.3	0.13	2.71	19.90	14	140	42	96	0.13	0.1	2.923	0.138	0	0	0	22
PL.37523	PL.37317	C	6 A (CWC)	7.33Y	122.1	0.17	2.88	17.81	13	125	37	96	0.15	0.1	3.139	0.216	15	4	3	20
PL.37522	PL.37523	C	6 A (CWC)	7.32Y	122.0	0.11	2.99	15.71	11	110	33	96	0.09	0.1	3.302	0.163	8	2	1	17

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: Conway

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.37521	PL.37522	C	6 A (CWC)	7.32Y	122.0	0.03	3.03	14.59	10	102	30	96	0.03	0.0	3.350	0.049	0	0	0	16
PL.37915	PL.37521	C	6 A (CWC)	7.32Y	121.9	0.03	3.06	12.75	9	89	27	96	0.02	0.0	3.406	0.055	8	2	2	15
PL.64506	PL.37915	C	6 A (CWC)	7.32Y	121.9	0.00	3.06	11.56	8	81	24	96	0.00	0.0	3.406	0.000	0	0	0	13
PL.64507	PL.64506	C	6 A (CWC)	7.31Y	121.9	0.03	3.09	11.56	8	81	24	96	0.02	0.0	3.470	0.065	0	0	0	13
PL.37914	PL.64507	C	6 A (CWC)	7.31Y	121.9	0.04	3.13	11.56	8	81	24	96	0.03	0.0	3.550	0.080	2	1	1	13
PL.37913	PL.37914	C	6 A (CWC)	7.31Y	121.8	0.05	3.18	11.20	8	79	23	96	0.03	0.0	3.643	0.092	4	1	1	12
PL.37252	PL.37913	C	#4 ACSR	7.31Y	121.8	0.00	3.18	0.00	0	0	0	100	0.00	0.0	3.702	0.059	0	0	0	0
PL.37912	PL.37913	C	6 A (CWC)	7.31Y	121.8	0.03	3.21	10.65	8	75	22	96	0.01	0.0	3.721	0.078	30	9	4	11
PL.37910	PL.37912	C	6 A (CWC)	7.31Y	121.8	0.03	3.24	6.34	5	44	13	96	0.01	0.0	3.825	0.104	12	4	1	7
PL.37911	PL.37910	C	6 A (CWC)	7.30Y	121.7	0.02	3.25	4.61	3	32	10	95	0.00	0.0	3.908	0.084	9	3	2	6
PL.37827	PL.37911	C	6 A (CWC)	7.30Y	121.7	0.00	3.25	3.27	2	23	7	96	0.00	0.0	3.926	0.018	0	0	0	4
PL.36870	PL.37827	C	#4 ACSR	7.30Y	121.7	0.00	3.25	0.00	0	0	0	100	0.00	0.0	3.964	0.038	0	0	1	1
PL.37909	PL.37827	C	6 A (CWC)	7.30Y	121.7	0.01	3.26	3.27	2	23	7	96	0.00	0.0	3.985	0.059	0	0	0	3
PL.61044	PL.37909	C	6 A (CWC)	7.30Y	121.7	0.01	3.27	3.27	2	23	7	96	0.00	0.0	4.063	0.078	12	4	1	3
PL.61045	PL.61044	C	6 A (CWC)	7.30Y	121.7	0.01	3.29	1.51	1	11	3	96	0.00	0.0	4.486	0.424	11	3	2	2
PL.38411	PL.37521	C	6 A (CWC)	7.32Y	122.0	0.01	3.04	1.85	1	13	4	96	0.00	0.0	3.496	0.145	0	0	0	1
PL.37916	PL.38411	C	6 A (CWC)	7.32Y	122.0	0.00	3.04	1.85	1	13	4	96	0.00	0.0	3.515	0.019	0	0	0	1
PL.37917	PL.37916	C	6 A (CWC)	7.32Y	122.0	0.01	3.05	1.85	1	13	4	96	0.00	0.0	3.587	0.071	0	0	0	1
PL.37918	PL.37917	C	6 A (CWC)	7.32Y	121.9	0.01	3.05	1.85	1	13	4	96	0.00	0.0	3.647	0.061	0	0	0	1
PL.37919	PL.37918	C	6 A (CWC)	7.32Y	121.9	0.00	3.05	1.85	1	13	4	96	0.00	0.0	3.710	0.063	13	4	1	1
PL.37524	PL.37317	C	#4 ACSR	7.34Y	122.3	0.00	2.72	2.09	2	15	4	97	0.00	0.0	2.984	0.062	7	2	1	2
PL.37525	PL.37524	C	#4 ACSR	7.34Y	122.3	0.00	2.72	1.12	1	8	2	97	0.00	0.0	3.025	0.041	8	2	1	1
PL.37397	PL.37343	C	6 A (CWC)	7.34Y	122.4	0.00	2.59	0.86	1	6	2	95	0.00	0.0	2.828	0.043	6	2	1	1
PL.37318	PL.37530	C	6 A (CWC)	7.35Y	122.5	0.02	2.54	7.27	5	51	15	96	0.01	0.0	2.779	0.066	11	3	1	6
PL.37526	PL.37318	C	6 A (CWC)	7.35Y	122.5	0.01	2.54	5.76	4	41	12	96	0.00	0.0	2.798	0.019	0	0	0	5
PL.37491	PL.37526	C	6 A (CWC)	7.35Y	122.5	0.00	2.55	3.70	3	26	8	96	0.00	0.0	2.856	0.058	26	8	3	3
PL.37527	PL.37526	C	6 A (CWC)	7.35Y	122.5	0.00	2.54	2.06	1	14	4	96	0.00	0.0	2.830	0.031	10	3	1	2
PL.37528	PL.37527	C	6 A (CWC)	7.35Y	122.5	0.00	2.55	0.69	0	5	1	98	0.00	0.0	2.884	0.054	5	1	1	1
PL.37710	PL.37318	C	#2 ACSR	7.35Y	122.5	0.00	2.54	0.00	0	0	0	100	0.00	0.0	2.819	0.040	0	0	0	0
PL.37274	PL.37529	C	6 A (CWC)	7.35Y	122.6	0.00	2.43	1.27	1	9	3	95	0.00	0.0	2.669	0.058	9	3	1	1
PL.37534	PL.38450	ABC	336 MCM AC	7.39Y	123.1	0.03	1.91	86.50	17	1827	580	95	0.31	0.0	2.136	0.049	5	1	1	315

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.37535	PL.37534	ABC	336 MCM AC	7.38Y	123.0	0.06	1.97	86.26	17	1822	578	95	0.58	0.0	2.229	0.093	13	4	2	314
PL.52651	PL.37535	ABC	336 MCM AC	7.38Y	122.9	0.09	2.06	85.64	17	1808	572	95	0.86	0.0	2.369	0.140	0	0	0	312
PL.52650	PL.52651	ABC	336 MCM AC	7.38Y	122.9	0.00	2.06	85.64	17	1807	570	95	0.01	0.0	2.370	0.002	0	0	0	312
PL.38143	PL.52650	ABC	336 MCM AC	7.37Y	122.9	0.04	2.10	85.64	17	1807	570	95	0.33	0.0	2.423	0.053	0	0	0	312
PL.38142	PL.38143	ABC	336 MCM AC	7.37Y	122.9	0.02	2.12	85.64	17	1807	570	95	0.14	0.0	2.447	0.023	7	2	1	312
PL.63063	PL.38142	A	#1/0 ACSR	7.37Y	122.9	0.00	2.12	0.79	0	6	2	95	0.00	0.0	2.450	0.003	0	0	0	1
PD.9412	PL.63063	A	25T	7.37Y	122.9	0.00	2.12	0.79	0	6	2	95	0.00	0.0	2.450	0.003	0	0	0	1
PL.63064	PD.9412	A	#1/0 ACSR	7.37Y	122.9	0.00	2.12	0.79	0	6	2	95	0.00	0.0	2.481	0.032	6	2	1	1
PL.38141	PL.38142	ABC	336 MCM AC	7.37Y	122.9	0.03	2.14	85.07	16	1795	566	95	0.24	0.0	2.487	0.040	0	0	0	310
PL.37084	PL.38141	A	#2 ACSR	7.37Y	122.9	0.00	2.14	1.91	1	13	4	96	0.00	0.0	2.487	0.001	0	0	0	4
PD.5975	PL.37084	A	60QA	7.37Y	122.9	0.00	2.14	1.91	3	13	4	96	0.00	0.0	2.487	0.001	0	0	0	4
PL.38590	PD.5975	A	#2 ACSR	7.37Y	122.9	0.00	2.14	1.91	1	13	4	96	0.00	0.0	2.503	0.015	13	4	4	4
PL.38591	PL.38141	ABC	336 MCM AC	7.37Y	122.8	0.06	2.21	84.43	16	1781	561	95	0.60	0.0	2.586	0.099	8	2	2	306
PL.37504	PL.38591	ABC	336 MCM AC	7.37Y	122.8	0.04	2.25	84.06	16	1772	557	95	0.37	0.0	2.649	0.063	4	1	1	304
PL.64784	PL.37504	ABC	336 MCM AC	7.36Y	122.7	0.04	2.29	83.87	16	1768	555	95	0.38	0.0	2.714	0.065	14	4	1	303
PL.64783	PL.64784	ABC	336 MCM AC	7.36Y	122.7	0.00	2.29	83.22	16	1754	550	95	0.00	0.0	2.714	0.000	0	0	0	302
PL.37503	PL.64783	ABC	336 MCM AC	7.36Y	122.7	0.03	2.32	83.22	16	1754	550	95	0.29	0.0	2.764	0.050	0	0	0	302
PL.37499	PL.37503	ABC	336 MCM AC	7.35Y	122.6	0.12	2.44	83.22	16	1753	550	95	1.12	0.1	2.955	0.191	0	0	0	301
PL.37498	PL.37499	ABC	336 MCM AC	7.35Y	122.5	0.09	2.53	83.22	16	1752	547	95	0.81	0.0	3.093	0.138	0	0	0	301
PL.37832	PL.37498	A	#1/0 ACSR	7.35Y	122.5	0.00	2.53	1.10	0	8	2	97	0.00	0.0	3.213	0.119	8	2	1	1
PL.38217	PL.37498	ABC	336 MCM AC	7.34Y	122.4	0.09	2.62	82.85	16	1744	543	95	0.82	0.0	3.235	0.141	7	2	3	300
PL.37497	PL.38217	ABC	336 MCM AC	7.33Y	122.2	0.16	2.78	82.50	16	1736	539	96	1.42	0.1	3.483	0.248	6	2	1	297
PL.37496	PL.37497	ABC	336 MCM AC	7.33Y	122.2	0.04	2.82	82.21	16	1728	534	96	0.33	0.0	3.540	0.057	0	0	0	296
PL.38216	PL.37496	ABC	336 MCM AC	7.33Y	122.2	0.02	2.84	82.21	16	1728	533	96	0.16	0.0	3.569	0.029	0	0	0	296
PL.38215	PL.38216	ABC	336 MCM AC	7.33Y	122.1	0.04	2.87	82.21	16	1728	532	96	0.33	0.0	3.627	0.058	0	0	0	296
PL.58501	PL.38215	C	6 A (CWC)	7.33Y	122.1	0.00	2.87	3.30	2	23	7	96	0.00	0.0	3.630	0.003	0	0	0	5
PD.8698	PL.58501	C	20T	7.33Y	122.1	0.00	2.87	3.30	0	23	7	96	0.00	0.0	3.630	0.003	0	0	0	5
PL.58502	PD.8698	C	6 A (CWC)	7.33Y	122.1	0.01	2.88	3.30	2	23	7	96	0.00	0.0	3.666	0.036	0	0	1	5
PL.64235	PL.58502	C	6 A (CWC)	7.33Y	122.1	0.00	2.88	3.30	2	23	7	96	0.00	0.0	3.693	0.027	0	0	0	4
PL.64020	PL.64235	C	6 A (CWC)	7.33Y	122.1	0.00	2.88	0.23	0	2	0	100	0.00	0.0	3.923	0.230	0	0	0	1
PL.64021	PL.64020	C	6 A (CWC)	7.33Y	122.1	0.00	2.88	0.23	0	2	0	100	0.00	0.0	4.029	0.107	2	0	1	1

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.64234	PL.64235	C	6 A (CWC)	7.33Y	122.1	0.00	2.89	3.07	2	22	6	96	0.00	0.0	3.728	0.036	12	4	2	3
PL.38437	PL.64234	C	6 A (CWC)	7.33Y	122.1	0.00	2.89	1.39	1	10	3	96	0.00	0.0	3.798	0.070	10	3	1	1
PL.37904	PL.38215	ABC	336 MCM AC	7.32Y	122.0	0.12	2.99	81.11	16	1704	525	96	1.08	0.1	3.821	0.194	0	0	0	291
PL.37903	PL.37904	ABC	336 MCM AC	7.32Y	122.0	0.05	3.04	81.11	16	1703	522	96	0.46	0.0	3.903	0.082	0	0	0	291
PL.37335	PL.37903	ABC	336 MCM AC	7.32Y	121.9	0.02	3.06	81.11	16	1703	521	96	0.17	0.0	3.933	0.030	0	0	0	291
PL.37213	PL.37335	ABC	336 MCM AC	7.31Y	121.9	0.02	3.09	60.67	12	1273	391	96	0.15	0.0	3.982	0.049	0	0	0	228
PL.38044	PL.37213	A	#2 ACSR	7.31Y	121.9	0.00	3.09	0.00	0	0	0	100	0.00	0.0	3.982	0.000	0	0	0	0
PD.6026	PL.38044	A	60QA	7.31Y	121.9	0.00	3.09	0.00	0	0	0	100	0.00	0.0	3.982	0.000	0	0	0	0
PL.37241	PD.6026	A	#2 ACSR	7.31Y	121.9	0.00	3.09	0.00	0	0	0	100	0.00	0.0	4.001	0.019	0	0	0	0
PL.37334	PL.37241	A	#2 ACSR	7.31Y	121.9	0.00	3.09	0.00	0	0	0	100	0.00	0.0	4.020	0.019	0	0	0	0
PL.37239	PL.37213	C	#2 ACSR	7.31Y	121.9	0.00	3.09	0.41	0	3	1	95	0.00	0.0	3.982	0.000	0	0	0	1
PD.5994	PL.37239	C	60QA	7.31Y	121.9	0.00	3.09	0.41	1	3	1	95	0.00	0.0	3.982	0.000	0	0	0	1
PL.37240	PD.5994	C	#2 ACSR	7.31Y	121.9	0.00	3.09	0.41	0	3	1	95	0.00	0.0	4.217	0.235	0	0	0	1
PL.37492	PL.37240	C	#2 ACSR	7.31Y	121.9	0.00	3.09	0.41	0	3	1	95	0.00	0.0	4.361	0.143	0	0	0	1
PL.37493	PL.37492	C	#2 ACSR	7.31Y	121.9	0.00	3.09	0.00	0	0	0	100	0.00	0.0	4.417	0.057	0	0	0	0
PL.37824	PL.37492	C	#4 ACSR	7.31Y	121.9	0.00	3.09	0.41	0	3	1	95	0.00	0.0	4.458	0.097	3	1	1	1
PL.38041	PL.37213	ABC	336 MCM AC	7.31Y	121.9	0.03	3.12	60.54	12	1270	390	96	0.20	0.0	4.048	0.066	0	0	0	227
PL.37297	PL.38041	ABC	336 MCM AC	7.31Y	121.8	0.07	3.19	60.54	12	1270	390	96	0.49	0.0	4.208	0.160	0	0	0	227
PL.38037	PL.37297	ABC	336 MCM AC	7.31Y	121.8	0.04	3.23	60.54	12	1269	388	96	0.30	0.0	4.304	0.096	0	0	0	227
PL.38036	PL.38037	ABC	336 MCM AC	7.30Y	121.7	0.03	3.26	60.54	12	1269	388	96	0.17	0.0	4.358	0.054	0	0	0	227
PL.38035	PL.38036	ABC	336 MCM AC	7.30Y	121.7	0.01	3.27	60.54	12	1269	387	96	0.09	0.0	4.389	0.031	0	0	0	227
PL.38034	PL.38035	ABC	336 MCM AC	7.30Y	121.7	0.02	3.30	60.54	12	1269	387	96	0.15	0.0	4.437	0.048	0	0	0	227
PL.38031	PL.38034	ABC	336 MCM AC	7.30Y	121.7	0.02	3.32	59.81	12	1253	382	96	0.15	0.0	4.485	0.048	0	0	0	226
PL.38134	PL.38031	ABC	336 MCM AC	7.30Y	121.6	0.05	3.37	58.59	11	1228	374	96	0.35	0.0	4.605	0.120	0	0	0	223
PL.58505	PL.38134	A	#2 ACSR	7.30Y	121.6	0.00	3.37	17.32	10	121	36	96	0.00	0.0	4.607	0.002	0	0	0	20
PD.8699	PL.58505	A	25T	7.30Y	121.6	0.00	3.37	17.32	0	121	36	96	0.00	0.0	4.607	0.002	0	0	0	20
PL.58506	PD.8699	A	#2 ACSR	7.30Y	121.6	0.01	3.39	17.32	10	121	36	96	0.01	0.0	4.629	0.022	0	0	0	20
PL.58503	PL.58506	A	#2 ACSR	7.30Y	121.6	0.03	3.41	9.44	5	66	20	96	0.01	0.0	4.728	0.099	6	2	1	11
PL.37900	PL.58503	A	#2 ACSR	7.29Y	121.6	0.01	3.42	8.55	5	60	18	96	0.00	0.0	4.754	0.026	0	0	0	10
PL.38103	PL.37900	A	#2 ACSR	7.29Y	121.6	0.02	3.44	8.55	5	60	18	96	0.01	0.0	4.834	0.079	0	0	0	10
PL.38104	PL.38103	A	#2 ACSR	7.29Y	121.6	0.00	3.45	2.98	2	21	6	96	0.00	0.0	4.882	0.048	0	0	0	5

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Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
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Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.37382	PL.38104	A	#2 ACSR	7.29Y	121.6	0.00	3.45	0.00	0	0	0	100	0.00	0.0	4.928	0.046	0	0	0	0
PL.38105	PL.38104	A	#2 ACSR	7.29Y	121.5	0.01	3.45	2.98	2	21	6	96	0.00	0.0	4.937	0.055	0	0	2	5
PL.37969	PL.38105	A	#2 ACSR	7.29Y	121.5	0.00	3.45	2.00	1	14	4	96	0.00	0.0	5.010	0.073	14	4	2	2
PL.37970	PL.37969	A	#2 ACSR	7.29Y	121.5	0.00	3.45	0.00	0	0	0	100	0.00	0.0	5.064	0.054	0	0	0	0
PL.37628	PL.38105	A	#2 ACSR	7.29Y	121.5	0.00	3.45	0.94	1	7	2	96	0.00	0.0	4.962	0.025	7	2	1	1
PL.37812	PL.38103	A	#2 ACSR	7.29Y	121.5	0.01	3.45	5.57	3	39	12	96	0.00	0.0	4.928	0.095	39	12	5	5
PL.58504	PL.58506	A	#2 ACSR	7.30Y	121.6	0.02	3.40	7.88	5	55	16	96	0.01	0.0	4.701	0.072	14	4	2	9
PL.37872	PL.58504	A	#2 ACSR	7.30Y	121.6	0.00	3.40	0.00	0	0	0	100	0.00	0.0	4.749	0.048	0	0	1	1
PL.37901	PL.58504	A	#2 ACSR	7.30Y	121.6	0.01	3.42	5.85	3	41	12	96	0.00	0.0	4.780	0.079	0	0	0	6
PL.38106	PL.37901	A	#2 ACSR	7.29Y	121.6	0.01	3.42	3.98	2	28	8	96	0.00	0.0	4.827	0.047	7	2	2	3
PL.38107	PL.38106	A	#2 ACSR	7.29Y	121.6	0.00	3.42	2.91	2	20	6	96	0.00	0.0	4.864	0.037	20	6	1	1
PL.37971	PL.37901	A	#1/0 ACSR	7.29Y	121.6	0.00	3.42	1.87	1	13	4	96	0.00	0.0	4.816	0.036	1	0	1	3
PL.38336	PL.37971	A	#1/0 ACSR	7.29Y	121.6	0.00	3.42	1.78	1	12	4	95	0.00	0.0	4.849	0.033	12	4	2	2
PL.37890	PL.38134	ABC	336 MCM AC	7.30Y	121.6	0.02	3.39	52.82	10	1106	338	96	0.12	0.0	4.655	0.050	0	0	0	203
PL.37966	PL.37890	ABC	336 MCM AC	7.30Y	121.6	0.00	3.39	52.82	10	1106	337	96	0.01	0.0	4.660	0.005	0	0	0	203
PL.37968	PL.37966	ABC	336 MCM AC	7.30Y	121.6	0.00	3.40	52.82	10	1106	337	96	0.00	0.0	4.661	0.001	0	0	0	203
PL.37967	PL.37968	ABC	336 MCM AC	7.30Y	121.6	0.02	3.41	52.82	10	1106	337	96	0.09	0.0	4.701	0.040	10	3	1	203
PL.37965	PL.37967	ABC	336 MCM AC	7.29Y	121.6	0.01	3.42	52.33	10	1096	334	96	0.06	0.0	4.727	0.026	9	3	2	202
PL.37964	PL.37965	ABC	336 MCM AC	7.29Y	121.5	0.03	3.45	51.91	10	1087	331	96	0.17	0.0	4.802	0.075	12	4	2	200
PL.37963	PL.37964	ABC	336 MCM AC	7.29Y	121.5	0.02	3.47	51.32	10	1074	327	96	0.11	0.0	4.854	0.052	3	1	1	198
PL.37579	PL.37963	ABC	336 MCM AC	7.29Y	121.5	0.03	3.50	51.16	10	1071	326	96	0.15	0.0	4.924	0.071	10	3	1	197
PL.37578	PL.37579	ABC	336 MCM AC	7.29Y	121.5	0.03	3.53	50.70	10	1061	323	96	0.16	0.0	4.998	0.074	0	0	0	196
PL.37576	PL.37578	A	#2 ACSR	7.29Y	121.5	0.00	3.53	0.31	0	2	1	89	0.00	0.0	4.998	0.000	0	0	0	1
PD.6058	PL.37576	A	60QA	7.29Y	121.5	0.00	3.53	0.31	1	2	1	89	0.00	0.0	4.998	0.000	0	0	0	1
PL.37577	PD.6058	A	#2 ACSR	7.29Y	121.5	0.00	3.53	0.31	0	2	1	89	0.00	0.0	5.038	0.039	2	1	1	1
PL.37574	PL.37578	ABC	336 MCM AC	7.29Y	121.5	0.02	3.55	50.60	10	1059	322	96	0.11	0.0	5.048	0.050	0	0	0	195
PL.37569	PL.37574	ABC	336 MCM AC	7.29Y	121.4	0.02	3.57	50.60	10	1059	321	96	0.12	0.0	5.101	0.053	0	0	0	195
PL.37566	PL.37569	ABC	336 MCM AC	7.28Y	121.4	0.05	3.61	28.20	5	590	179	96	0.14	0.0	5.316	0.215	0	0	0	119
PL.37342	PL.37566	ABC	336 MCM AC	7.28Y	121.4	0.03	3.64	27.69	5	579	176	96	0.09	0.0	5.462	0.145	0	0	0	118
PL.61039	PL.37342	ABC	336 MCM AC	7.28Y	121.3	0.01	3.66	25.56	5	534	162	96	0.04	0.0	5.536	0.074	8	2	1	111
PL.61038	PL.61039	ABC	336 MCM AC	7.28Y	121.3	0.05	3.71	25.19	5	526	160	96	0.15	0.0	5.818	0.282	4	1	2	110

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: Conway

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.39309	PL.61038	ABC	336 MCM AC	7.28Y	121.3	0.00	3.71	25.01	5	523	158	96	0.00	0.0	5.819	0.001	0	0	0	108
PD.5246	PL.39309	ABC	60QA	7.28Y	121.3	0.00	3.71	25.01	42	523	158	96	0.00	0.0	5.819	0.001	0	0	0	108
PL.39308	PD.5246	ABC	336 MCM AC	7.28Y	121.3	0.01	3.72	25.01	5	523	158	96	0.02	0.0	5.860	0.041	0	0	0	108
PL.37564	PL.39308	ABC	336 MCM AC	7.28Y	121.3	0.01	3.73	25.01	5	523	158	96	0.02	0.0	5.902	0.043	9	3	2	108
PL.37563	PL.37564	ABC	336 MCM AC	7.27Y	121.2	0.03	3.76	24.60	5	514	156	96	0.08	0.0	6.064	0.162	0	0	0	106
PL.37561	PL.37563	A	6 A (CWC)	7.27Y	121.2	0.00	3.76	1.10	1	8	2	97	0.00	0.0	6.064	0.001	0	0	0	1
PD.5892	PL.37561	A	60QA	7.27Y	121.2	0.00	3.76	1.10	2	8	2	97	0.00	0.0	6.064	0.001	0	0	0	1
PL.37562	PD.5892	A	6 A (CWC)	7.27Y	121.2	0.00	3.76	1.10	1	8	2	97	0.00	0.0	6.101	0.037	8	2	1	1
PL.37560	PL.37563	ABC	336 MCM AC	7.27Y	121.2	0.01	3.77	24.23	5	506	153	96	0.04	0.0	6.142	0.078	8	2	1	105
PL.36769	PL.37560	ABC	336 MCM AC	7.27Y	121.2	0.02	3.80	23.85	5	498	151	96	0.06	0.0	6.267	0.125	3	1	2	104
PL.36768	PL.36769	ABC	336 MCM AC	7.27Y	121.2	0.02	3.82	23.71	5	495	150	96	0.06	0.0	6.393	0.126	0	0	0	102
PL.36767	PL.36768	ABC	336 MCM AC	7.27Y	121.2	0.02	3.84	23.71	5	495	150	96	0.06	0.0	6.511	0.118	5	1	1	102
PL.37549	PL.36767	ABC	336 MCM AC	7.27Y	121.2	0.00	3.85	23.48	5	490	148	96	0.01	0.0	6.533	0.022	0	0	0	101
PL.36747	PL.37549	ABC	336 MCM AC	7.27Y	121.2	0.00	3.85	23.48	5	490	148	96	0.01	0.0	6.553	0.020	0	0	0	101
PD.5908	PL.36747	ABC	280VWE	7.27Y	121.2	0.00	3.85	23.48	0	490	148	96	0.00	0.0	6.553	0.020	0	0	0	101
PL.38045	PD.5908	ABC	336 MCM AC	7.27Y	121.2	0.00	3.85	23.48	5	490	148	96	0.00	0.0	6.554	0.001	0	0	0	101
PL.36748	PL.38045	ABC	336 MCM AC	7.27Y	121.1	0.01	3.86	23.48	5	490	148	96	0.04	0.0	6.630	0.076	0	0	0	101
PL.38163	PL.36748	ABC	336 MCM AC	7.27Y	121.1	0.01	3.87	5.11	1	107	32	96	0.01	0.0	6.951	0.322	0	0	0	26
PL.38167	PL.38163	ABC	336 MCM AC	7.27Y	121.1	0.00	3.88	5.11	1	107	31	96	0.00	0.0	7.033	0.082	3	1	1	25
PL.38166	PL.38167	ABC	336 MCM AC	7.27Y	121.1	0.01	3.88	4.99	1	104	31	96	0.00	0.0	7.185	0.152	3	1	1	24
PL.38164	PL.38166	ABC	336 MCM AC	7.27Y	121.1	0.00	3.89	4.84	1	101	30	96	0.00	0.0	7.295	0.110	0	0	0	23
PL.38050	PL.38164	B	6 A (CWC)	7.27Y	121.1	0.02	3.91	11.49	8	80	24	96	0.01	0.0	7.336	0.041	0	0	0	15
PD.6089	PL.38050	B	50L	7.27Y	121.1	0.00	3.91	11.49	23	80	24	96	0.00	0.0	7.336	0.041	0	0	0	15
PL.38358	PD.6089	B	6 A (CWC)	7.26Y	121.1	0.03	3.94	11.49	8	80	24	96	0.02	0.0	7.404	0.069	11	3	2	15
PL.37870	PL.38358	B	6 A (CWC)	7.26Y	121.0	0.06	4.01	9.90	7	69	21	96	0.03	0.0	7.546	0.141	0	0	0	13
PL.37326	PL.37870	B	6 A (CWC)	7.26Y	121.0	0.00	4.01	1.31	1	9	3	95	0.00	0.0	7.607	0.061	9	3	2	2
PL.38359	PL.37870	B	6 A (CWC)	7.25Y	120.9	0.11	4.12	8.59	6	60	18	96	0.05	0.1	7.833	0.287	5	1	1	11
PL.38360	PL.38359	B	6 A (CWC)	7.25Y	120.8	0.06	4.17	7.32	5	51	15	96	0.02	0.0	8.005	0.173	0	0	0	9
PL.37672	PL.38360	B	#4 ACSR	7.25Y	120.8	0.00	4.17	0.00	0	0	0	100	0.00	0.0	8.054	0.049	0	0	0	0
PL.61403	PL.38360	B	#1/0 ACSR	7.25Y	120.8	0.00	4.17	0.00	0	0	0	100	0.00	0.0	8.047	0.042	0	0	1	1
PL.62828	PL.38360	B	6 A (CWC)	7.25Y	120.8	0.03	4.21	7.32	5	51	15	96	0.01	0.0	8.097	0.092	0	0	0	8

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: Conway

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.62829	PL.62828	B	6 A (CWC)	7.25Y	120.8	0.02	4.23	5.81	4	40	12	96	0.01	0.0	8.172	0.075	0	0	0	6
PL.62831	PL.62829	B	#1/0 ACSR	7.25Y	120.8	0.00	4.23	1.18	1	8	2	97	0.00	0.0	8.175	0.003	0	0	0	1
PD.9135	PL.62831	B	15T	7.25Y	120.8	0.00	4.23	1.18	0	8	2	97	0.00	0.0	8.175	0.003	0	0	0	1
PL.61389	PD.9135	B	#1/0 ACSR	7.25Y	120.8	0.00	4.23	1.18	1	8	2	97	0.00	0.0	8.224	0.048	8	2	1	1
PL.62830	PL.62829	B	6 A (CWC)	7.24Y	120.7	0.03	4.26	4.63	3	32	10	95	0.01	0.0	8.321	0.149	3	1	1	5
PL.38361	PL.62830	B	6 A (CWC)	7.24Y	120.7	0.03	4.29	4.25	3	30	9	96	0.01	0.0	8.473	0.151	0	0	0	4
PL.37826	PL.38361	B	#4 ACSR	7.24Y	120.7	0.00	4.29	0.27	0	2	1	89	0.00	0.0	8.529	0.057	2	1	1	1
PL.38859	PL.38361	B	6 A (CWC)	7.24Y	120.7	0.03	4.32	3.98	3	28	8	96	0.01	0.0	8.657	0.184	7	2	1	3
PL.37437	PL.38859	B	6 A (CWC)	7.24Y	120.7	0.02	4.33	2.94	2	20	6	96	0.00	0.0	8.776	0.119	0	0	0	2
PL.38860	PL.37437	B	6 A (CWC)	7.24Y	120.6	0.08	4.41	2.94	2	20	6	96	0.01	0.1	9.551	0.775	9	3	1	2
PL.38861	PL.38860	B	6 A (CWC)	7.24Y	120.6	0.00	4.41	1.58	1	11	3	96	0.00	0.0	9.603	0.052	11	3	1	1
PL.38862	PL.38861	B	6 A (CWC)	7.24Y	120.6	0.00	4.41	0.00	0	0	0	100	0.00	0.0	9.632	0.029	0	0	0	0
PL.62832	PL.62828	B	#1/0 ACSR	7.25Y	120.8	0.00	4.21	1.51	1	11	3	96	0.00	0.0	8.152	0.055	11	3	2	2
PL.37671	PL.38359	B	#4 ACSR	7.25Y	120.9	0.00	4.12	0.61	0	4	1	97	0.00	0.0	7.956	0.124	4	1	1	1
PL.37473	PL.38164	ABC	336 MCM AC	7.27Y	121.1	0.00	3.89	1.01	0	21	6	96	0.00	0.0	7.359	0.065	0	0	0	8
PL.38365	PL.37473	ABC	336 MCM AC	7.27Y	121.1	0.00	3.89	1.01	0	21	6	96	0.00	0.0	7.532	0.173	0	0	0	8
PL.38863	PL.38365	A	#2 ACSR	7.27Y	121.1	0.00	3.89	0.63	0	4	1	97	0.00	0.0	7.533	0.001	0	0	0	1
PD.5240	PL.38863	A	60QA	7.27Y	121.1	0.00	3.89	0.63	1	4	1	97	0.00	0.0	7.533	0.001	0	0	0	1
PL.38864	PD.5240	A	#2 ACSR	7.27Y	121.1	0.00	3.89	0.63	0	4	1	97	0.00	0.0	7.589	0.056	4	1	1	1
PL.38364	PL.38365	ABC	336 MCM AC	7.27Y	121.1	0.00	3.89	0.80	0	17	5	96	0.00	0.0	7.606	0.073	0	0	0	7
PL.38366	PL.38364	A	6 A (CWC)	7.27Y	121.1	0.00	3.89	2.12	2	15	4	97	0.00	0.0	7.608	0.002	0	0	0	6
PD.6016	PL.38366	A	75QA	7.27Y	121.1	0.00	3.89	2.12	3	15	4	97	0.00	0.0	7.608	0.002	0	0	0	6
PL.38367	PD.6016	A	6 A (CWC)	7.27Y	121.1	0.01	3.90	2.12	2	15	4	97	0.00	0.0	7.706	0.098	2	1	1	6
PL.38368	PL.38367	A	6 A (CWC)	7.26Y	121.1	0.04	3.94	1.83	1	13	3	97	0.00	0.0	8.236	0.529	0	0	0	5
PL.38369	PL.38368	A	6 A (CWC)	7.26Y	121.1	0.01	3.95	1.83	1	13	3	97	0.00	0.0	8.301	0.065	0	0	0	5
PL.61410	PL.38369	A	6 A (CWC)	7.26Y	121.0	0.01	3.96	1.83	1	13	3	97	0.00	0.0	8.444	0.143	0	0	0	5
PL.61411	PL.61410	A	6 A (CWC)	7.26Y	121.0	0.01	3.97	1.83	1	13	4	96	0.00	0.0	8.598	0.153	0	0	0	4
PL.37876	PL.61411	A	#4 ACSR	7.26Y	121.0	0.00	3.97	0.74	1	5	2	93	0.00	0.0	8.661	0.063	5	2	2	2
PL.38370	PL.61411	A	6 A (CWC)	7.26Y	121.0	0.00	3.98	1.09	1	8	2	97	0.00	0.0	8.673	0.075	2	1	1	2
PL.38371	PL.38370	A	6 A (CWC)	7.26Y	121.0	0.01	3.98	0.85	1	6	2	95	0.00	0.0	8.983	0.311	6	2	1	1
PL.61413	PL.61410	A	#1/0 ACSR	7.26Y	121.0	0.00	3.96	0.04	0	0	0	100	0.00	0.0	8.448	0.003	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: Conway

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

Units Displayed In Volts
-Base Voltage:120.0-

	Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
	PD.9138	PL.61413	A	25T	7.26Y	121.0	0.00	3.96	0.04	0	0	0	100	0.00	0.0	8.448	0.003	0	0	0	1	
	PL.61414	PD.9138	A	#1/0 ACSR	7.26Y	121.0	-0.00	3.96	0.04	0	0	0	100	0.00	0.0	8.498	0.050	0	0	0	1	
	PL.61412	PL.61414	A	1/0 AL URD	7.26Y	121.0	-0.00	3.96	0.04	0	0	0	100	0.00	0.0	8.579	0.081	0	0	1	1	
	PL.38440	PL.38364	ABC	336 MCM AC	7.27Y	121.1	0.00	3.89	0.09	0	2	1	89	0.00	0.0	7.726	0.120	2	1	1	1	
	PL.38655	PL.38440	ABC	336 MCM AC	7.27Y	121.1	0.00	3.89	0.00	0	0	0	100	0.00	0.0	7.755	0.029	0	0	0	0	
	PL.38656	PL.38655	C	#4 ACSR	7.27Y	121.1	0.00	3.89	0.00	0	0	0	100	0.00	0.0	7.755	0.001	0	0	0	0	
	PD.5245	PL.38656	C	75QA	7.27Y	121.1	0.00	3.89	0.00	0	0	0	100	0.00	0.0	7.755	0.001	0	0	0	0	
	PL.38657	PD.5245	C	#4 ACSR	7.27Y	121.1	0.00	3.89	0.00	0	0	0	100	0.00	0.0	7.823	0.067	0	0	0	0	
	PL.37324	PL.38655	ABC	336 MCM AC	7.27Y	121.1	0.00	3.89	0.00	0	0	0	100	0.00	0.0	7.811	0.056	0	0	0	0	
	PL.37323	PL.37324	ABC	336 MCM AC	7.27Y	121.1	0.00	3.89	0.00	0	0	0	100	0.00	0.0	7.897	0.086	0	0	0	0	
	PL.62171	PL.37323	ABC	336 MCM AC	7.27Y	121.1	0.00	3.89	0.00	0	0	0	100	0.00	0.0	8.365	0.468	0	0	0	0	
	PD.9281-B	PL.62171	ABC	Open	7.27Y	121.1	0.00	3.89	0.00	0	0	0	100	0.00	0.0	8.365	0.468	0	0	0	0	
	PL.38048	PL.38163	A	#4 ACSR	7.27Y	121.1	0.00	3.87	0.00	0	0	0	100	0.00	0.0	6.955	0.004	0	0	0	1	
	PD.5244	PL.38048	A	50QA	7.27Y	121.1	0.00	3.87	0.00	0	0	0	100	0.00	0.0	6.955	0.004	0	0	0	1	
	PL.38049	PD.5244	A	#4 ACSR	7.27Y	121.1	0.00	3.87	0.00	0	0	0	100	0.00	0.0	6.995	0.040	0	0	1	1	
	PL.58009	PL.36748	A	#4 ACSR	7.26Y	121.0	0.18	4.04	55.11	42	383	116	96	0.52	0.1	6.701	0.071	0	0	0	75	
	PL.58011	PL.58009	A	#4 ACSR	7.26Y	121.0	0.00	4.04	55.11	42	383	116	96	0.01	0.0	6.703	0.002	0	0	0	75	
C	PD.8398	PL.58011	A	50L	7.26Y	121.0	0.00	4.04	55.11	110	383	116	96	0.00	0.0	6.703	0.002	0	0	0	75	C
	PL.58013	PD.8398	A	#4 ACSR	7.24Y	120.6	0.37	4.41	55.11	42	383	116	96	1.08	0.3	6.851	0.148	0	0	0	75	
	PL.58012	PL.58013	A	#4 ACSR	7.22Y	120.3	0.27	4.68	53.12	41	368	111	96	0.77	0.2	6.965	0.114	0	0	0	74	
	PL.37414	PL.58012	A	#4 ACSR	7.19Y	119.8	0.48	5.16	53.12	41	367	111	96	1.36	0.4	7.166	0.201	0	0	0	74	
	PL.38079	PL.37414	A	#4 ACSR	7.18Y	119.7	0.19	5.35	48.91	38	337	102	96	0.49	0.1	7.252	0.086	6	2	1	69	
	PL.36872	PL.38079	A	#4 ACSR	7.18Y	119.7	0.00	5.35	1.30	1	9	3	95	0.00	0.0	7.290	0.038	9	3	2	2	
	PL.38078	PL.38079	A	#4 ACSR	7.17Y	119.6	0.08	5.42	46.78	36	322	97	96	0.19	0.1	7.288	0.036	0	0	0	66	
	PL.38077	PL.38078	A	#4 ACSR	7.17Y	119.5	0.10	5.53	44.27	34	304	92	96	0.25	0.1	7.341	0.053	0	0	1	64	
	PL.37899	PL.38077	A	#4 ACSR	7.17Y	119.5	0.00	5.53	0.00	0	0	0	100	0.00	0.0	7.341	0.000	0	0	0	0	
	PL.38075	PL.38077	A	#4 ACSR	7.15Y	119.1	0.35	5.88	44.21	34	303	91	96	0.81	0.3	7.521	0.179	12	3	1	63	
	PL.38076	PL.38075	A	#4 ACSR	7.13Y	118.9	0.23	6.11	41.84	32	286	86	96	0.52	0.2	7.644	0.123	0	0	0	61	
	PL.38074	PL.38076	A	#4 ACSR	7.13Y	118.8	0.11	6.22	41.84	32	286	86	96	0.25	0.1	7.703	0.059	1	0	2	61	
	PL.38073	PL.38074	A	#4 ACSR	7.12Y	118.7	0.12	6.34	41.65	32	284	85	96	0.27	0.1	7.767	0.065	0	0	0	59	
	PL.63070	PL.38073	A	#4 ACSR	7.11Y	118.5	0.14	6.48	41.65	32	284	85	96	0.32	0.1	7.844	0.076	0	0	0	59	

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Balanced Voltage Drop Report
Source: Conway

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

Units Displayed In Volts
-Base Voltage:120.0-

	Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
	PL.63071	PL.63070	A	#4 ACSR	7.10Y	118.4	0.13	6.61	40.10	31	273	82	96	0.27	0.1	7.917	0.073	10	3	1	58	
	PL.37587	PL.63071	A	#4 ACSR	7.09Y	118.2	0.17	6.78	38.61	30	263	79	96	0.35	0.1	8.015	0.098	0	0	0	57	
	PL.37584	PL.37587	A	#4 ACSR	7.09Y	118.2	0.01	6.79	4.69	4	32	9	96	0.00	0.0	8.083	0.068	0	0	1	5	
	PL.37586	PL.37584	A	#4 ACSR	7.09Y	118.2	0.01	6.80	4.65	4	32	9	96	0.00	0.0	8.148	0.065	10	3	1	4	
	PL.37896	PL.37586	A	#4 ACSR	7.09Y	118.2	0.00	6.81	3.12	2	21	6	96	0.00	0.0	8.184	0.036	11	3	1	3	
	PL.37897	PL.37896	A	#4 ACSR	7.09Y	118.2	0.00	6.81	1.51	1	10	3	96	0.00	0.0	8.267	0.083	10	3	1	2	
	PL.38422	PL.37897	A	#4 ACSR	7.09Y	118.2	0.00	6.81	0.03	0	0	0	100	0.00	0.0	8.314	0.048	0	0	1	1	
L	PL.37585	PL.37587	A	#4 ACSR	7.08Y	118.0	0.23	7.01	33.92	26	230	69	96	0.42	0.2	8.166	0.151	0	0	0	52	L
L	PL.37582	PL.37585	A	6 A (CWC)	7.08Y	118.0	0.00	7.01	9.45	7	64	19	96	0.00	0.0	8.169	0.003	0	0	0	15	L
L	PD.5976	PL.37582	A	40QA	7.08Y	118.0	0.00	7.01	9.45	24	64	19	96	0.00	0.0	8.169	0.003	0	0	0	15	L
L	PL.38162	PD.5976	A	6 A (CWC)	7.07Y	117.9	0.14	7.15	9.45	7	64	19	96	0.07	0.1	8.485	0.317	0	0	1	15	L
L	PL.38165	PL.38162	A	6 A (CWC)	7.07Y	117.8	0.08	7.23	9.45	7	64	19	96	0.04	0.1	8.665	0.179	0	0	0	14	L
L	PL.38372	PL.38165	A	6 A (CWC)	7.07Y	117.8	0.01	7.24	7.40	5	50	15	96	0.00	0.0	8.703	0.038	4	1	1	13	L
L	PL.38373	PL.38372	A	6 A (CWC)	7.06Y	117.7	0.05	7.29	6.81	5	46	14	96	0.02	0.0	8.863	0.161	4	1	1	12	L
L	PL.38220	PL.38373	A	6 A (CWC)	7.06Y	117.6	0.07	7.36	4.73	3	32	10	95	0.02	0.1	9.181	0.318	0	0	0	9	L
L	PL.63052	PL.38220	A	#1/0 ACSR	7.06Y	117.6	0.00	7.36	0.00	0	0	0	100	0.00	0.0	9.211	0.030	0	0	0	1	L
L	PL.63053	PL.63052	A	#1/0 ACSR	7.06Y	117.6	0.00	7.36	0.00	0	0	0	100	0.00	0.0	9.259	0.048	0	0	1	1	L
L	PL.37656	PL.38220	A	6 A (CWC)	7.06Y	117.6	0.01	7.36	1.31	1	9	3	95	0.00	0.0	9.279	0.098	1	0	1	3	L
L	PL.63371	PL.37656	A	#1/0 ACSR	7.06Y	117.6	0.00	7.36	1.19	1	8	2	97	0.00	0.0	9.321	0.041	8	2	2	2	L
L	PL.38221	PL.38220	A	6 A (CWC)	7.06Y	117.6	0.03	7.39	3.42	2	23	7	96	0.01	0.0	9.393	0.211	0	0	0	5	L
L	PL.37349	PL.38221	A	6 A (CWC)	7.06Y	117.6	0.00	7.39	1.18	1	8	2	97	0.00	0.0	9.428	0.035	8	2	1	1	L
L	PL.38376	PL.38221	A	6 A (CWC)	7.06Y	117.6	0.00	7.39	2.24	2	15	4	97	0.00	0.0	9.411	0.018	1	0	1	4	L
L	PL.38222	PL.38376	A	6 A (CWC)	7.06Y	117.6	0.01	7.40	2.10	2	14	4	96	0.00	0.0	9.494	0.083	0	0	0	3	L
L	PL.38378	PL.38222	A	6 A (CWC)	7.06Y	117.6	0.00	7.40	1.75	1	12	4	95	0.00	0.0	9.571	0.077	5	2	1	2	L
L	PL.38377	PL.38378	A	6 A (CWC)	7.06Y	117.6	0.01	7.41	0.95	1	6	2	95	0.00	0.0	9.718	0.146	0	0	0	1	L
L	PL.38379	PL.38377	A	6 A (CWC)	7.06Y	117.6	0.00	7.41	0.95	1	6	2	95	0.00	0.0	9.838	0.121	6	2	1	1	L
L	PL.37108	PL.38222	A	6 A (CWC)	7.06Y	117.6	0.00	7.40	0.35	0	2	1	89	0.00	0.0	9.533	0.039	2	1	1	1	L
L	PL.37788	PL.38373	A	#4 ACSR	7.06Y	117.7	0.00	7.29	0.00	0	0	0	100	0.00	0.0	8.950	0.087	0	0	0	0	L
L	PL.38374	PL.38373	A	#4 ACSR	7.06Y	117.7	0.00	7.29	1.51	1	10	3	96	0.00	0.0	8.905	0.041	0	0	0	2	L
L	PL.38375	PL.38374	A	#4 ACSR	7.06Y	117.7	0.00	7.29	1.51	1	10	3	96	0.00	0.0	9.004	0.099	10	3	2	2	L
L	PL.37375	PL.38165	A	#1/0 ACSR	7.07Y	117.8	0.00	7.23	2.05	1	14	4	96	0.00	0.0	8.811	0.146	14	4	1	1	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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PL.37583	PL.37585	A	#4 ACSR	7.08Y	117.9	0.07	7.07	24.46	19	166	50	96	0.09	0.1	8.226	0.060	0	0	0	37	L
L PL.57309	PL.37583	A	#4 ACSR	7.08Y	117.9	0.00	7.08	24.46	19	166	50	96	0.00	0.0	8.229	0.003	0	0	0	37	L
L PD.8274	PL.57309	A	60QA	7.08Y	117.9	0.00	7.08	24.46	41	166	50	96	0.00	0.0	8.229	0.003	0	0	0	37	L
L PL.57310	PD.8274	A	#4 ACSR	7.07Y	117.9	0.07	7.15	24.46	19	166	50	96	0.09	0.1	8.293	0.064	1	0	1	37	L
L PL.37895	PL.57310	A	#4 ACSR	7.07Y	117.8	0.09	7.23	24.37	19	165	49	96	0.11	0.1	8.375	0.082	9	3	1	36	L
L PL.38571	PL.37895	A	#4 ACSR	7.06Y	117.7	0.08	7.31	23.01	18	156	47	96	0.09	0.1	8.450	0.075	1	0	1	35	L
L PL.38570	PL.38571	A	#4 ACSR	7.06Y	117.6	0.09	7.40	22.80	18	154	46	96	0.10	0.1	8.535	0.085	2	1	1	34	L
L PL.38569	PL.38570	A	#4 ACSR	7.05Y	117.5	0.13	7.53	22.54	17	152	46	96	0.15	0.1	8.667	0.132	9	3	1	33	L
L PL.38568	PL.38569	A	#4 ACSR	7.04Y	117.3	0.22	7.75	21.22	16	143	43	96	0.25	0.2	8.897	0.231	1	0	1	32	L
L PL.37852	PL.38568	A	#4 ACSR	7.03Y	117.2	0.06	7.81	21.12	16	142	42	96	0.07	0.1	8.965	0.068	0	0	0	31	L
L PL.37250	PL.37852	A	#4 ACSR	7.03Y	117.2	0.00	7.81	0.06	0	0	0	100	0.00	0.0	9.049	0.084	0	0	1	1	L
L PL.37851	PL.37852	A	#4 ACSR	7.02Y	117.0	0.19	8.00	21.06	16	142	42	96	0.21	0.1	9.163	0.198	0	0	0	30	L
L PL.37849	PL.37851	A	#1/0 ACSR	7.02Y	117.0	0.00	8.00	1.29	1	9	3	95	0.00	0.0	9.242	0.079	0	0	0	1	L
L PL.37850	PL.37849	A	#1/0 ACSR	7.02Y	117.0	0.00	8.00	1.29	1	9	3	95	0.00	0.0	9.320	0.078	0	0	0	1	L
L PL.38567	PL.37850	A	#1/0 ACSR	7.02Y	117.0	0.00	8.00	1.29	1	9	3	95	0.00	0.0	9.347	0.026	9	3	1	1	L
L PL.38188	PL.37851	A	#4 ACSR	7.01Y	116.8	0.19	8.19	19.77	15	133	40	96	0.21	0.2	9.382	0.219	0	0	0	29	L
L PL.64231	PL.38188	A	#4 ACSR	7.00Y	116.7	0.06	8.25	18.96	15	127	38	96	0.06	0.0	9.453	0.071	0	0	0	28	L
L PL.64017	PL.64231	A	#4 ACSR	7.00Y	116.7	0.00	8.25	1.50	1	10	3	96	0.00	0.0	9.549	0.096	10	3	1	1	L
L PL.64230	PL.64231	A	#4 ACSR	7.00Y	116.7	0.09	8.34	17.46	13	117	35	96	0.07	0.1	9.575	0.122	25	7	1	27	L
L PL.38185	PL.64230	A	#4 ACSR	7.00Y	116.6	0.05	8.38	13.81	11	93	28	96	0.03	0.0	9.651	0.077	0	0	0	26	L
L PL.63073	PL.38185	A	#4 ACSR	6.99Y	116.6	0.06	8.44	13.06	10	88	26	96	0.04	0.0	9.751	0.099	0	0	0	22	L
L PL.63074	PL.63073	A	#4 ACSR	6.99Y	116.6	0.00	8.44	13.06	10	88	26	96	0.00	0.0	9.751	0.000	5	2	1	22	L
L PL.64483	PL.63074	A	#4 ACSR	6.99Y	116.5	0.02	8.46	12.28	9	82	24	96	0.01	0.0	9.781	0.030	0	0	0	21	L
L PL.64485	PL.64483	A	#1/0 ACSR	6.99Y	116.5	0.00	8.46	0.90	0	6	2	95	0.00	0.0	9.841	0.060	6	2	1	1	L
L PL.64484	PL.64483	A	#4 ACSR	6.99Y	116.5	0.05	8.50	11.37	9	76	23	96	0.03	0.0	9.873	0.092	3	1	1	20	L
L PL.37875	PL.64484	A	#4 ACSR	6.98Y	116.4	0.09	8.60	10.20	8	68	20	96	0.05	0.1	10.078	0.205	0	0	0	18	L
L PL.38181	PL.37875	A	#4 ACSR	6.98Y	116.4	0.00	8.60	2.29	2	15	5	95	0.00	0.0	10.135	0.057	7	2	3	5	L
L PL.38182	PL.38181	A	#4 ACSR	6.98Y	116.4	0.00	8.61	1.31	1	9	3	95	0.00	0.0	10.256	0.121	9	3	2	2	L
L PL.38177	PL.37875	A	#4 ACSR	6.98Y	116.3	0.06	8.65	7.72	6	52	15	96	0.02	0.0	10.240	0.162	0	0	0	12	L
L PL.37295	PL.38177	A	#4 ACSR	6.98Y	116.3	0.00	8.66	0.59	0	4	1	97	0.00	0.0	10.405	0.165	0	0	0	1	L
L PL.38408	PL.37295	A	#4 ACSR	6.98Y	116.3	0.00	8.66	0.00	0	0	0	100	0.00	0.0	10.724	0.319	0	0	0	0	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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PL.37296	PL.37295	A	#4 ACSR	6.98Y	116.3	0.00	8.66	0.59	0	4	1	97	0.00	0.0	10.450	0.045	4	1	1	1	L
L PL.38557	PL.37296	A	#4 ACSR	6.98Y	116.3	0.00	8.66	0.00	0	0	0	100	0.00	0.0	10.518	0.068	0	0	0	0	L
L PL.38558	PL.38557	A	#4 ACSR	6.98Y	116.3	0.00	8.66	0.00	0	0	0	100	0.00	0.0	10.578	0.059	0	0	0	0	L
L PL.38559	PL.38177	A	#4 ACSR	6.98Y	116.3	0.02	8.68	7.13	5	48	14	96	0.01	0.0	10.317	0.077	0	0	0	11	L
L PL.37738	PL.38559	A	#4 ACSR	6.98Y	116.3	0.00	8.68	0.00	0	0	0	100	0.00	0.0	10.360	0.044	0	0	1	1	L
L PL.38560	PL.38559	A	#4 ACSR	6.98Y	116.3	0.02	8.70	7.13	5	48	14	96	0.01	0.0	10.386	0.069	0	0	0	10	L
L PL.38563	PL.38560	A	#4 ACSR	6.98Y	116.3	0.04	8.74	5.97	5	40	12	96	0.01	0.0	10.532	0.146	2	1	1	9	L
L PL.38561	PL.38563	A	#4 ACSR	6.98Y	116.3	0.00	8.74	5.66	4	38	11	96	0.00	0.0	10.555	0.024	21	6	4	8	L
L PL.38562	PL.38561	A	#4 ACSR	6.98Y	116.3	0.00	8.74	2.58	2	17	5	96	0.00	0.0	10.568	0.013	0	0	0	4	L
L PL.38564	PL.38562	A	#4 ACSR	6.98Y	116.3	0.00	8.75	2.58	2	17	5	96	0.00	0.0	10.595	0.027	6	2	1	4	L
L PL.38565	PL.38564	A	#4 ACSR	6.97Y	116.2	0.00	8.75	1.70	1	11	3	96	0.00	0.0	10.662	0.067	4	1	1	3	L
L PL.57282	PL.38565	A	#4 ACSR	6.97Y	116.2	0.00	8.75	1.11	1	7	2	96	0.00	0.0	10.703	0.041	7	2	2	2	L
L PL.37348	PL.38560	A	#4 ACSR	6.98Y	116.3	0.00	8.70	1.16	1	8	2	97	0.00	0.0	10.437	0.051	8	2	1	1	L
L PL.38178	PL.37875	A	#4 ACSR	6.98Y	116.4	0.00	8.60	0.20	0	1	0	100	0.00	0.0	10.157	0.079	1	0	1	1	L
L PL.38179	PL.38178	A	#4 ACSR	6.98Y	116.4	0.00	8.60	0.00	0	0	0	100	0.00	0.0	10.235	0.078	0	0	0	0	L
L PL.38180	PL.38179	A	#4 ACSR	6.98Y	116.4	0.00	8.60	0.00	0	0	0	100	0.00	0.0	10.279	0.045	0	0	0	0	L
L PL.37181	PL.64484	A	#4 ACSR	6.99Y	116.5	0.00	8.51	0.78	1	5	2	93	0.00	0.0	9.965	0.092	0	0	0	1	L
L PL.37182	PL.37181	A	#4 ACSR	6.99Y	116.5	0.00	8.51	0.78	1	5	2	93	0.00	0.0	10.000	0.035	5	2	1	1	L
L PL.37111	PL.38185	A	#4 ACSR	7.00Y	116.6	0.00	8.39	0.74	1	5	1	98	0.00	0.0	9.718	0.067	5	1	2	4	L
L PL.38183	PL.37111	A	#4 ACSR	7.00Y	116.6	0.00	8.39	0.01	0	0	0	100	0.00	0.0	9.797	0.079	0	0	1	2	L
L PL.38184	PL.38183	A	#4 ACSR	7.00Y	116.6	0.00	8.39	0.01	0	0	0	100	0.00	0.0	9.844	0.047	0	0	1	1	L
L PL.38186	PL.64230	A	#4 ACSR	7.00Y	116.7	0.00	8.34	0.00	0	0	0	100	0.00	0.0	9.658	0.084	0	0	0	0	L
L PL.38187	PL.38186	A	#4 ACSR	7.00Y	116.7	0.00	8.34	0.00	0	0	0	100	0.00	0.0	9.690	0.032	0	0	0	0	L
L PL.37351	PL.38188	A	#4 ACSR	7.01Y	116.8	0.00	8.19	0.81	1	5	2	93	0.00	0.0	9.466	0.084	5	2	1	1	L
PL.63072	PL.63070	A	#1/0 ACSR	7.11Y	118.5	0.00	6.48	1.55	1	11	3	96	0.00	0.0	7.892	0.048	11	3	1	1	
PL.37712	PL.38075	A	#4 ACSR	7.15Y	119.1	0.00	5.88	0.69	1	5	1	98	0.00	0.0	7.675	0.154	5	1	1	1	
PL.37203	PL.38078	A	#4 ACSR	7.17Y	119.6	0.01	5.43	2.51	2	17	5	96	0.00	0.0	7.422	0.133	17	5	2	2	
PL.38080	PL.37414	A	#4 ACSR	7.19Y	119.8	0.00	5.16	2.82	2	19	6	95	0.00	0.0	7.216	0.050	15	5	2	3	
PL.38081	PL.38080	A	#4 ACSR	7.19Y	119.8	0.00	5.16	0.58	0	4	1	97	0.00	0.0	7.256	0.040	4	1	1	1	
PL.37415	PL.37414	A	#4 ACSR	7.19Y	119.8	0.01	5.17	1.39	1	10	3	96	0.00	0.0	7.340	0.174	5	2	1	2	
PL.36746	PL.37415	A	#4 ACSR	7.19Y	119.8	0.00	5.17	0.60	0	4	1	97	0.00	0.0	7.386	0.046	4	1	1	1	

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PL.58010	PL.58013	A	#4 ACSR	7.24Y	120.6	0.01	4.41	1.99	2	14	4	96	0.00	0.0	6.966	0.115	14	4	1	1	
PL.37565	PL.37342	A	6 A (CWC)	7.28Y	121.4	0.00	3.65	6.40	5	45	13	96	0.00	0.0	5.463	0.001	0	0	0	7	
PD.6078	PL.37565	A	60QA	7.28Y	121.4	0.00	3.65	6.40	11	45	13	96	0.00	0.0	5.463	0.001	0	0	0	7	
PL.64233	PD.6078	A	6 A (CWC)	7.28Y	121.4	0.00	3.65	6.40	5	45	13	96	0.00	0.0	5.478	0.015	0	0	0	7	
PL.64014	PL.64233	A	6 A (CWC)	7.28Y	121.3	0.01	3.66	2.44	2	17	5	96	0.00	0.0	5.532	0.054	0	0	0	5	
PL.64015	PL.64014	A	6 A (CWC)	7.28Y	121.3	0.00	3.66	2.44	2	17	5	96	0.00	0.0	5.597	0.065	12	4	3	5	
PL.64027	PL.64015	A	6 A (CWC)	7.28Y	121.3	0.00	3.66	0.66	0	5	1	98	0.00	0.0	5.637	0.039	5	1	2	2	
PL.64013	PL.64014	A	#2 ACSR	7.28Y	121.3	0.00	3.66	0.00	0	0	0	100	0.00	0.0	5.686	0.154	0	0	0	0	
PL.64232	PL.64233	A	6 A (CWC)	7.28Y	121.3	0.00	3.65	3.96	3	28	8	96	0.00	0.0	5.494	0.015	28	8	2	2	
PL.37567	PL.37566	A	#1/0 ACSR	7.28Y	121.4	0.00	3.61	1.52	1	11	3	96	0.00	0.0	5.322	0.006	0	0	0	1	
PD.5237	PL.37567	A	60QA	7.28Y	121.4	0.00	3.61	1.52	3	11	3	96	0.00	0.0	5.322	0.006	0	0	0	1	
PL.37568	PD.5237	A	#1/0 ACSR	7.28Y	121.4	0.00	3.62	1.52	1	11	3	96	0.00	0.0	5.376	0.054	11	3	1	1	
PL.37110	PL.37569	B	#4 ACSR	7.29Y	121.4	0.02	3.58	67.16	52	468	142	96	0.05	0.0	5.106	0.005	0	0	0	75	
PL.37572	PL.37110	B	#4 ACSR	7.28Y	121.4	0.00	3.59	67.16	52	468	142	96	0.01	0.0	5.107	0.001	0	0	0	75	
C PD.6090	PL.37572	B	50L	7.28Y	121.4	0.00	3.59	67.16	134	468	142	96	0.00	0.0	5.107	0.001	0	0	0	75	C
PL.37573	PD.6090	B	#4 ACSR	7.28Y	121.3	0.16	3.74	67.16	52	468	142	96	0.57	0.1	5.160	0.053	3	1	1	75	
PL.64225	PL.37573	B	6 A (CWC)	7.24Y	120.7	0.57	4.31	66.04	47	460	139	96	1.98	0.4	5.346	0.186	0	0	0	72	
PL.64025	PL.64225	B	6 A (CWC)	7.23Y	120.4	0.26	4.57	66.04	47	458	138	96	0.90	0.2	5.432	0.085	0	0	0	71	
PL.64018	PL.64025	B	6 A (CWC)	7.19Y	119.8	0.59	5.16	63.79	46	441	133	96	1.99	0.5	5.635	0.203	5	2	1	69	
PL.64019	PL.64018	B	6 A (CWC)	7.18Y	119.6	0.21	5.37	63.05	45	434	130	96	0.69	0.2	5.707	0.072	0	0	0	68	
PL.64255	PL.64019	B	6 A (CWC)	7.18Y	119.6	0.00	5.37	0.00	0	0	0	100	0.00	0.0	5.774	0.067	0	0	0	0	
PL.64256	PL.64019	B	#4 ACSR	7.17Y	119.6	0.06	5.43	14.60	11	100	30	96	0.04	0.0	5.794	0.087	0	0	0	11	
PL.37315	PL.64256	B	#4 ACSR	7.17Y	119.5	0.03	5.46	12.41	10	85	25	96	0.02	0.0	5.851	0.057	0	0	0	9	
PL.38846	PL.37315	B	#4 ACSR	7.17Y	119.5	0.03	5.49	12.41	10	85	25	96	0.02	0.0	5.906	0.056	0	0	0	9	
PL.37405	PL.38846	B	#4 ACSR	7.17Y	119.5	0.00	5.49	0.90	1	6	2	95	0.00	0.0	5.986	0.080	6	2	1	1	
PL.38603	PL.38846	B	#4 ACSR	7.17Y	119.5	0.01	5.50	5.35	4	37	11	96	0.00	0.0	5.958	0.051	0	0	0	4	
PL.38604	PL.38603	B	#4 ACSR	7.17Y	119.5	0.01	5.51	5.35	4	37	11	96	0.00	0.0	6.016	0.058	26	8	3	4	
PL.38605	PL.38604	B	#4 ACSR	7.17Y	119.5	0.00	5.51	1.54	1	11	3	96	0.00	0.0	6.070	0.054	11	3	1	1	
PL.36730	PL.38846	B	#4 ACSR	7.17Y	119.5	0.02	5.51	6.16	5	42	13	96	0.01	0.0	5.980	0.074	7	2	1	4	
PL.38606	PL.36730	B	#4 ACSR	7.17Y	119.5	0.01	5.52	5.10	4	35	10	96	0.00	0.0	6.049	0.069	12	4	1	3	
PL.37841	PL.38606	B	#4 ACSR	7.17Y	119.5	0.01	5.53	3.38	3	23	7	96	0.00	0.0	6.114	0.065	14	4	1	2	

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.38607	PL.37841	B	#4 ACSR	7.17Y	119.5	0.00	5.53	1.33	1	9	3	95	0.00	0.0	6.137	0.023	0	0	0	1
PL.38608	PL.38607	B	#4 ACSR	7.17Y	119.5	0.00	5.53	1.33	1	9	3	95	0.00	0.0	6.210	0.073	9	3	1	1
PL.37660	PL.64256	B	#4 ACSR	7.17Y	119.6	0.00	5.43	2.19	2	15	4	97	0.00	0.0	5.820	0.026	0	0	0	2
PL.36721	PL.37660	B	#1/0 ACSR	7.17Y	119.6	0.00	5.43	0.68	0	5	1	98	0.00	0.0	5.871	0.051	5	1	1	1
PL.60791	PL.37660	B	#4 ACSR	7.17Y	119.6	0.00	5.43	1.51	1	10	3	96	0.00	0.0	5.873	0.053	10	3	1	1
PL.64257	PL.64019	B	#4 ACSR	7.17Y	119.4	0.20	5.57	48.45	37	333	100	96	0.52	0.2	5.799	0.093	0	0	0	57
PL.38843	PL.64257	B	#4 ACSR	7.16Y	119.3	0.16	5.73	46.77	36	321	96	96	0.40	0.1	5.875	0.076	0	0	3	56
PL.37717	PL.38843	B	#4 ACSR	7.16Y	119.3	0.00	5.73	0.35	0	2	1	89	0.00	0.0	5.966	0.091	2	1	1	1
PL.38844	PL.38843	B	#4 ACSR	7.15Y	119.2	0.08	5.82	46.36	36	318	95	96	0.21	0.1	5.916	0.041	3	1	1	52
PL.38845	PL.38844	B	#4 ACSR	7.14Y	118.9	0.25	6.07	45.98	35	315	94	96	0.62	0.2	6.039	0.123	0	0	0	51
PL.64002	PL.38845	B	#4 ACSR	7.13Y	118.8	0.17	6.24	37.84	29	259	77	96	0.35	0.1	6.140	0.101	0	0	0	44
PL.64009	PL.64002	B	6 A (CWC)	7.13Y	118.8	0.00	6.24	11.10	8	76	23	96	0.00	0.0	6.143	0.003	0	0	0	14
PD.9511	PL.64009	B	25T	7.13Y	118.8	0.00	6.24	11.10	0	76	23	96	0.00	0.0	6.143	0.003	0	0	0	14
PL.64153	PD.9511	B	6 A (CWC)	7.12Y	118.7	0.08	6.32	11.10	8	76	23	96	0.04	0.1	6.294	0.151	2	1	1	14
PL.64037	PL.64153	B	6 A (CWC)	7.12Y	118.7	0.02	6.34	9.40	7	64	19	96	0.01	0.0	6.343	0.049	10	3	1	12
PL.64038	PL.64037	B	6 A (CWC)	7.12Y	118.6	0.02	6.36	7.89	6	54	16	96	0.01	0.0	6.412	0.070	9	3	2	11
PL.64152	PL.64038	B	6 A (CWC)	7.12Y	118.6	0.01	6.37	6.59	5	45	13	96	0.00	0.0	6.444	0.032	0	0	0	9
PL.64239	PL.64152	B	6 A (CWC)	7.11Y	118.6	0.07	6.44	3.02	2	21	6	96	0.01	0.1	6.924	0.480	0	0	0	7
PL.38193	PL.64239	B	6 A (CWC)	7.11Y	118.5	0.02	6.46	2.71	2	19	5	97	0.00	0.0	7.111	0.187	0	0	0	6
PL.38196	PL.38193	B	6 A (CWC)	7.11Y	118.5	0.02	6.48	2.38	2	16	5	95	0.00	0.0	7.301	0.190	0	0	0	5
PL.38197	PL.38196	B	6 A (CWC)	7.11Y	118.5	0.04	6.52	2.38	2	16	5	95	0.00	0.0	7.623	0.322	0	0	0	5
PL.38198	PL.38197	B	6 A (CWC)	7.11Y	118.5	0.00	6.52	0.83	1	6	2	95	0.00	0.0	7.663	0.039	0	0	0	1
PL.38199	PL.38198	B	6 A (CWC)	7.11Y	118.5	0.00	6.52	0.83	1	6	2	95	0.00	0.0	7.697	0.034	6	2	1	1
PL.38200	PL.38197	B	6 A (CWC)	7.11Y	118.4	0.04	6.56	1.55	1	11	3	96	0.00	0.0	8.190	0.566	0	0	0	4
PL.38853	PL.38200	B	6 A (CWC)	7.11Y	118.4	0.00	6.56	1.55	1	11	3	96	0.00	0.0	8.234	0.044	0	0	0	4
PL.36754	PL.38853	B	6 A (CWC)	7.11Y	118.4	0.01	6.57	0.46	0	3	1	95	0.00	0.0	8.646	0.412	0	0	0	2
PL.36755	PL.36754	B	6 A (CWC)	7.11Y	118.4	0.00	6.57	0.46	0	3	1	95	0.00	0.0	8.714	0.068	0	0	0	2
PL.38854	PL.36755	B	6 A (CWC)	7.11Y	118.4	0.00	6.57	0.46	0	3	1	95	0.00	0.0	8.784	0.070	2	0	1	2
PL.38855	PL.38854	B	6 A (CWC)	7.11Y	118.4	0.00	6.57	0.22	0	1	0	100	0.00	0.0	8.853	0.068	1	0	1	1
PL.37309	PL.38853	B	6 A (CWC)	7.11Y	118.4	0.00	6.56	0.03	0	0	0	100	0.00	0.0	8.275	0.040	0	0	1	1
PL.37836	PL.38853	B	#2 ACSR	7.11Y	118.4	0.01	6.57	1.07	1	7	2	96	0.00	0.0	8.595	0.361	7	2	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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.38194	PL.38193	B	6 A (CWC)	7.11Y	118.5	0.00	6.46	0.33	0	2	1	89	0.00	0.0	7.210	0.099	2	1	1	1
PL.38195	PL.38194	B	6 A (CWC)	7.11Y	118.5	0.00	6.46	0.00	0	0	0	100	0.00	0.0	7.470	0.260	0	0	0	0
PL.37406	PL.64239	B	6 A (CWC)	7.11Y	118.6	0.00	6.44	0.31	0	2	1	89	0.00	0.0	7.017	0.093	2	1	1	1
PL.64238	PL.64152	B	6 A (CWC)	7.12Y	118.6	0.02	6.39	3.57	3	24	7	96	0.00	0.0	6.590	0.146	0	0	0	2
PL.37417	PL.64238	B	#2 ACSR	7.12Y	118.6	0.00	6.39	1.46	1	10	3	96	0.00	0.0	6.620	0.030	10	3	1	1
PL.38192	PL.64238	B	6 A (CWC)	7.12Y	118.6	0.01	6.40	2.11	2	14	4	96	0.00	0.0	6.800	0.210	14	4	1	1
PL.64022	PL.64153	B	6 A (CWC)	7.12Y	118.7	0.00	6.32	1.37	1	9	3	95	0.00	0.0	6.373	0.079	9	3	1	1
PL.64001	PL.64002	B	#4 ACSR	7.12Y	118.7	0.11	6.35	26.74	21	183	54	96	0.16	0.1	6.230	0.091	0	0	0	30
PL.38852	PL.64001	B	#4 ACSR	7.12Y	118.6	0.06	6.41	23.17	18	158	47	96	0.07	0.0	6.288	0.057	14	4	1	28
PL.38189	PL.38852	B	#4 ACSR	7.11Y	118.5	0.05	6.45	21.11	16	144	43	96	0.05	0.0	6.336	0.048	0	0	0	27
PL.38849	PL.38189	B	6 A (CWC)	7.11Y	118.5	0.02	6.47	6.86	5	47	14	96	0.01	0.0	6.419	0.083	18	5	1	8
PL.37842	PL.38849	B	6 A (CWC)	7.11Y	118.5	0.01	6.49	4.25	3	29	9	96	0.00	0.0	6.491	0.072	0	0	0	7
PL.57945	PL.37842	B	6 A (CWC)	7.11Y	118.5	0.01	6.50	4.25	3	29	9	96	0.00	0.0	6.549	0.058	0	0	0	7
PL.57947	PL.57945	B	6 A (CWC)	7.11Y	118.5	0.00	6.50	2.68	2	18	5	96	0.00	0.0	6.572	0.023	2	1	1	6
PL.57781	PL.57947	B	6 A (CWC)	7.11Y	118.5	0.00	6.50	2.39	2	16	5	95	0.00	0.0	6.590	0.018	3	1	2	5
PL.57946	PL.57781	B	6 A (CWC)	7.11Y	118.5	0.01	6.51	2.01	1	14	4	96	0.00	0.0	6.650	0.059	0	0	0	3
PL.38850	PL.57946	B	6 A (CWC)	7.11Y	118.5	0.01	6.51	1.93	1	13	4	96	0.00	0.0	6.758	0.108	9	3	1	2
PL.38851	PL.38850	B	6 A (CWC)	7.11Y	118.5	0.00	6.51	0.56	0	4	1	97	0.00	0.0	6.781	0.023	4	1	1	1
PL.37658	PL.57946	B	#1/0 ACSR	7.11Y	118.5	0.00	6.51	0.08	0	1	0	100	0.00	0.0	6.734	0.084	1	0	1	1
PL.61401	PL.57945	B	#1/0 ACSR	7.11Y	118.5	0.00	6.50	1.58	1	11	3	96	0.00	0.0	6.581	0.032	0	0	0	1
PD.9136	PL.61401	B	10T	7.11Y	118.5	0.00	6.50	1.58	0	11	3	96	0.00	0.0	6.581	0.032	0	0	0	1
PL.61402	PD.9136	B	#1/0 ACSR	7.11Y	118.5	0.00	6.50	1.58	1	11	3	96	0.00	0.0	6.730	0.149	11	3	1	1
PL.37292	PL.37842	B	6 A (CWC)	7.11Y	118.5	0.00	6.49	0.00	0	0	0	100	0.00	0.0	6.539	0.048	0	0	0	0
PL.38611	PL.38189	B	#4 ACSR	7.11Y	118.5	0.00	6.45	13.31	10	91	27	96	0.00	0.0	6.337	0.002	0	0	0	18
PD.5907	PL.38611	B	100CodeSMo	7.11Y	118.5	0.00	6.45	13.31	0	91	27	96	0.00	0.0	6.337	0.002	0	0	0	18
PL.38848	PD.5907	B	#4 ACSR	7.11Y	118.5	0.07	6.52	13.31	10	91	27	96	0.05	0.1	6.452	0.115	0	0	0	18
PL.38610	PL.38848	B	#4 ACSR	7.11Y	118.4	0.04	6.56	13.31	10	91	27	96	0.03	0.0	6.528	0.076	3	1	1	18
PL.38190	PL.38610	B	#4 ACSR	7.10Y	118.4	0.02	6.59	2.39	2	16	5	95	0.00	0.0	6.856	0.328	13	4	1	3
PL.38191	PL.38190	B	#4 ACSR	7.10Y	118.4	0.00	6.59	0.00	0	0	0	100	0.00	0.0	6.963	0.107	0	0	1	1
PL.37206	PL.38190	B	#2 ACSR	7.10Y	118.4	0.00	6.59	0.52	0	4	1	97	0.00	0.0	7.061	0.205	4	1	1	1
PL.38856	PL.38610	B	#4 ACSR	7.09Y	118.2	0.28	6.84	10.41	8	71	21	96	0.16	0.2	7.128	0.600	0	0	0	14

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Balanced Voltage Drop Report
Source: Conway

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PL.37795	PL.38856	B	#4 ACSR	7.09Y	118.1	0.07	6.91	10.41	8	71	21	96	0.04	0.1	7.275	0.147	0	0	0	14	
PL.38857	PL.37795	B	#4 ACSR	7.08Y	118.1	0.03	6.94	6.21	5	42	13	96	0.01	0.0	7.397	0.122	14	4	4	12	
PL.38858	PL.38857	B	#4 ACSR	7.08Y	118.0	0.02	6.96	4.20	3	29	8	96	0.00	0.0	7.490	0.093	0	0	0	8	
PL.38154	PL.38858	B	#4 ACSR	7.08Y	118.0	0.02	6.98	4.11	3	28	8	96	0.00	0.0	7.601	0.111	0	0	0	7	
L PL.38155	PL.38154	B	#4 ACSR	7.08Y	118.0	0.03	7.01	4.11	3	28	8	96	0.01	0.0	7.768	0.167	0	0	0	6	L
L PL.38156	PL.38155	B	#4 ACSR	7.08Y	118.0	0.02	7.03	4.11	3	28	8	96	0.00	0.0	7.879	0.111	1	0	2	6	L
L PL.37769	PL.38156	B	#4 ACSR	7.08Y	117.9	0.03	7.06	3.90	3	26	8	96	0.01	0.0	8.037	0.159	0	0	0	4	L
L PL.37771	PL.37769	B	6 A (CWC)	7.08Y	117.9	0.01	7.07	2.90	2	20	6	96	0.00	0.0	8.133	0.095	12	3	1	2	L
L PL.61050	PL.37771	B	6 A (CWC)	7.08Y	117.9	0.01	7.07	1.17	1	8	2	97	0.00	0.0	8.397	0.264	8	2	1	1	L
L PL.61051	PL.61050	B	6 A (CWC)	7.08Y	117.9	0.00	7.07	0.00	0	0	0	100	0.00	0.0	9.136	0.739	0	0	0	0	L
L PL.38161	PL.61051	B	6 A (CWC)	7.08Y	117.9	0.00	7.07	0.00	0	0	0	100	0.00	0.0	9.426	0.290	0	0	0	0	L
L PL.37770	PL.37769	B	#4 ACSR	7.08Y	117.9	0.01	7.07	1.00	1	7	2	96	0.00	0.0	8.214	0.176	0	0	0	2	L
L PL.38157	PL.37770	B	#4 ACSR	7.08Y	117.9	0.00	7.07	1.00	1	7	2	96	0.00	0.0	8.268	0.054	7	2	1	2	L
L PL.38158	PL.38157	B	#4 ACSR	7.08Y	117.9	0.00	7.07	0.03	0	0	0	100	0.00	0.0	8.416	0.148	0	0	0	1	L
L PL.38159	PL.38158	B	#4 ACSR	7.08Y	117.9	0.00	7.07	0.03	0	0	0	100	0.00	0.0	8.483	0.068	0	0	1	1	L
L PL.38160	PL.38159	B	#4 ACSR	7.08Y	117.9	0.00	7.07	0.00	0	0	0	100	0.00	0.0	8.555	0.071	0	0	0	0	L
PL.38152	PL.38154	B	6 A (CWC)	7.08Y	118.0	0.00	6.98	0.01	0	0	0	100	0.00	0.0	7.773	0.172	0	0	1	1	
PL.38153	PL.38152	B	6 A (CWC)	7.08Y	118.0	0.00	6.98	0.00	0	0	0	100	0.00	0.0	8.114	0.341	0	0	0	0	
PL.36757	PL.38858	B	#2 ACSR	7.08Y	118.0	0.00	6.96	0.09	0	1	0	100	0.00	0.0	7.534	0.044	1	0	1	1	
PL.57592	PL.37795	B	6 A (CWC)	7.08Y	118.1	0.01	6.93	4.20	3	29	8	96	0.00	0.0	7.367	0.092	19	6	1	2	
PL.57593	PL.57592	B	6 A (CWC)	7.08Y	118.1	0.00	6.93	1.46	1	10	3	96	0.00	0.0	7.389	0.023	10	3	1	1	
PL.37743	PL.38856	B	6 A (CWC)	7.09Y	118.2	0.00	6.84	0.00	0	0	0	100	0.00	0.0	7.463	0.335	0	0	0	0	
PL.38609	PL.38848	B	#4 ACSR	7.11Y	118.5	0.00	6.52	0.00	0	0	0	100	0.00	0.0	6.511	0.059	0	0	0	0	
PL.37322	PL.38189	B	6 A (CWC)	7.11Y	118.5	0.00	6.45	0.94	1	6	2	95	0.00	0.0	6.409	0.073	6	2	1	1	
PL.37748	PL.64001	B	#4 ACSR	7.12Y	118.6	0.00	6.35	3.58	3	24	7	96	0.00	0.0	6.267	0.036	14	4	1	2	
PL.36752	PL.37748	B	#4 ACSR	7.12Y	118.6	0.00	6.35	1.56	1	11	3	96	0.00	0.0	6.301	0.034	11	3	1	1	
PL.36753	PL.36752	B	#4 ACSR	7.12Y	118.6	0.00	6.35	0.00	0	0	0	100	0.00	0.0	6.338	0.037	0	0	0	0	
PL.37839	PL.38845	B	#4 ACSR	7.13Y	118.9	0.06	6.12	8.14	6	56	17	96	0.02	0.0	6.212	0.173	14	4	1	7	
PL.37840	PL.37839	B	#4 ACSR	7.13Y	118.9	0.02	6.14	4.53	3	31	9	96	0.00	0.0	6.321	0.109	8	2	1	4	
PL.37313	PL.37840	B	#4 ACSR	7.13Y	118.8	0.02	6.17	3.31	3	23	7	96	0.00	0.0	6.494	0.173	3	1	1	3	
PL.37835	PL.37313	B	#4 ACSR	7.13Y	118.8	0.00	6.17	2.23	2	15	5	95	0.00	0.0	6.554	0.060	15	5	1	1	

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.37314	PL.37313	B	#4 ACSR	7.13Y	118.8	0.00	6.17	0.59	0	4	1	97	0.00	0.0	6.563	0.069	4	1	1	1
PL.61043	PL.37839	B	#4 ACSR	7.13Y	118.9	0.00	6.12	0.00	0	0	0	100	0.00	0.0	6.267	0.055	0	0	0	0
PL.61033	PL.37839	B	#1/0 ACSR	7.13Y	118.9	0.00	6.12	1.55	1	11	3	96	0.00	0.0	6.216	0.004	0	0	0	2
PD.9132	PL.61033	B	20T	7.13Y	118.9	0.00	6.12	1.55	0	11	3	96	0.00	0.0	6.216	0.004	0	0	0	2
PL.61034	PD.9132	B	#1/0 ACSR	7.13Y	118.9	0.00	6.13	1.55	1	11	3	96	0.00	0.0	6.244	0.029	11	3	2	2
PL.38391	PL.64257	B	6 A (CWC)	7.17Y	119.4	0.01	5.58	1.68	1	12	3	97	0.00	0.0	5.925	0.126	0	0	0	1
PL.38847	PL.38391	B	6 A (CWC)	7.16Y	119.4	0.01	5.59	1.68	1	12	3	97	0.00	0.0	5.993	0.069	0	0	0	1
PL.37740	PL.38847	B	6 A (CWC)	7.16Y	119.4	0.00	5.59	1.68	1	12	3	97	0.00	0.0	6.029	0.036	12	3	1	1
PL.38602	PL.38847	B	6 A (CWC)	7.16Y	119.4	0.00	5.59	0.00	0	0	0	100	0.00	0.0	6.185	0.191	0	0	0	0
PL.64026	PL.64025	B	6 A (CWC)	7.23Y	120.4	0.01	4.58	2.25	2	16	5	95	0.00	0.0	5.506	0.075	5	1	1	2
PL.64032	PL.64026	B	6 A (CWC)	7.23Y	120.4	0.01	4.58	1.54	1	11	3	96	0.00	0.0	5.686	0.180	11	3	1	1
PL.64224	PL.64225	B	6 A (CWC)	7.24Y	120.7	0.00	4.31	0.00	0	0	0	100	0.00	0.0	5.397	0.051	0	0	1	1
PL.38110	PL.37573	B	6 A (CWC)	7.28Y	121.3	0.00	3.75	0.76	1	5	2	93	0.00	0.0	5.203	0.043	0	0	0	2
PL.38108	PL.38110	B	6 A (CWC)	7.28Y	121.3	0.00	3.75	0.76	1	5	2	93	0.00	0.0	5.223	0.021	5	2	2	2
PL.38109	PL.38108	B	6 A (CWC)	7.28Y	121.3	0.00	3.75	0.00	0	0	0	100	0.00	0.0	5.248	0.025	0	0	0	0
PL.38111	PL.38110	B	6 A (CWC)	7.28Y	121.3	0.00	3.75	0.00	0	0	0	100	0.00	0.0	5.244	0.041	0	0	0	0
PL.37570	PL.37569	C	#4 ACSR	7.29Y	121.4	0.00	3.57	0.05	0	0	0	100	0.00	0.0	5.102	0.001	0	0	0	1
PD.5996	PL.37570	C	60QA	7.29Y	121.4	0.00	3.57	0.05	0	0	0	100	0.00	0.0	5.102	0.001	0	0	0	1
PL.37571	PD.5996	C	#4 ACSR	7.29Y	121.4	0.00	3.57	0.05	0	0	0	100	0.00	0.0	5.191	0.088	0	0	1	1
PL.37495	PL.37965	A	336 MCM AC	7.29Y	121.6	0.00	3.42	0.00	0	0	0	100	0.00	0.0	4.729	0.002	0	0	0	0
PD.6061	PL.37495	A	60QA	7.29Y	121.6	0.00	3.42	0.00	0	0	0	100	0.00	0.0	4.729	0.002	0	0	0	0
PL.38258	PD.6061	A	336 MCM AC	7.29Y	121.6	0.00	3.42	0.00	0	0	0	100	0.00	0.0	4.781	0.052	0	0	0	0
PL.38027	PL.38031	A	#2 ACSR	7.30Y	121.7	0.00	3.32	0.78	0	5	2	93	0.00	0.0	4.486	0.001	0	0	0	1
PD.5991	PL.38027	A	60QA	7.30Y	121.7	0.00	3.32	0.78	1	5	2	93	0.00	0.0	4.486	0.001	0	0	0	1
PL.38028	PD.5991	A	#2 ACSR	7.30Y	121.7	0.00	3.32	0.78	0	5	2	93	0.00	0.0	4.527	0.041	5	2	1	1
PL.38029	PL.38031	C	#2 ACSR	7.30Y	121.7	0.00	3.32	2.86	2	20	6	96	0.00	0.0	4.486	0.001	0	0	0	2
PD.6043	PL.38029	C	25T	7.30Y	121.7	0.00	3.32	2.86	0	20	6	96	0.00	0.0	4.486	0.001	0	0	0	2
PL.38030	PD.6043	C	#2 ACSR	7.30Y	121.7	0.00	3.32	2.86	2	20	6	96	0.00	0.0	4.523	0.037	0	0	0	2
PL.37820	PL.38030	C	#2 ACSR	7.30Y	121.7	0.00	3.32	1.78	1	12	4	95	0.00	0.0	4.562	0.039	0	0	0	1
PL.36871	PL.37820	C	#2 ACSR	7.30Y	121.7	0.00	3.33	1.78	1	12	4	95	0.00	0.0	4.606	0.044	12	4	1	1
PL.37821	PL.37820	C	#2 ACSR	7.30Y	121.7	0.00	3.32	0.00	0	0	0	100	0.00	0.0	4.848	0.286	0	0	0	0

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Balanced Voltage Drop Report
Source: Conway

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PL.37823	PL.38030	C	#1/0 ACSR	7.30Y	121.7	0.00	3.32	1.08	0	8	2	97	0.00	0.0	4.548	0.025	8	2	1	1	
PL.38032	PL.38034	A	#2 ACSR	7.30Y	121.7	0.00	3.30	2.19	1	15	5	95	0.00	0.0	4.437	0.001	0	0	0	1	
PD.6062	PL.38032	A	60QA	7.30Y	121.7	0.00	3.30	2.19	4	15	5	95	0.00	0.0	4.437	0.001	0	0	0	1	
PL.38033	PD.6062	A	#2 ACSR	7.30Y	121.7	0.00	3.30	2.19	1	15	5	95	0.00	0.0	4.473	0.036	15	5	1	1	
PL.38038	PL.37297	A	6 A (CWC)	7.31Y	121.8	0.00	3.19	0.00	0	0	0	100	0.00	0.0	4.209	0.001	0	0	0	0	
PD.5992	PL.38038	A	60QA	7.31Y	121.8	0.00	3.19	0.00	0	0	0	100	0.00	0.0	4.209	0.001	0	0	0	0	
PL.38039	PD.5992	A	6 A (CWC)	7.31Y	121.8	0.00	3.19	0.00	0	0	0	100	0.00	0.0	4.262	0.053	0	0	0	0	
PL.37294	PL.38039	A	6 A (CWC)	7.31Y	121.8	0.00	3.19	0.00	0	0	0	100	0.00	0.0	4.334	0.073	0	0	0	0	
PL.38040	PL.38039	A	6 A (CWC)	7.31Y	121.8	0.00	3.19	0.00	0	0	0	100	0.00	0.0	4.328	0.066	0	0	0	0	
PL.37882	PL.38041	C	#2 ACSR	7.31Y	121.9	0.00	3.12	0.00	0	0	0	100	0.00	0.0	4.049	0.001	0	0	0	0	
PD.5993	PL.37882	C	60QA	7.31Y	121.9	0.00	3.12	0.00	0	0	0	100	0.00	0.0	4.049	0.001	0	0	0	0	
PL.38042	PD.5993	C	#2 ACSR	7.31Y	121.9	0.00	3.12	0.00	0	0	0	100	0.00	0.0	4.081	0.033	0	0	0	0	
PL.38043	PL.38042	C	#2 ACSR	7.31Y	121.9	0.00	3.12	0.00	0	0	0	100	0.00	0.0	4.112	0.031	0	0	0	0	
PL.37117	PL.37335	B	#4 ACSR	7.31Y	121.9	0.08	3.15	61.31	47	429	130	96	0.28	0.1	3.964	0.031	0	0	0	63	
PL.37787	PL.37117	B	#4 ACSR	7.31Y	121.9	0.00	3.15	61.31	47	429	129	96	0.01	0.0	3.965	0.001	0	0	0	63	
C PD.5913	PL.37787	B	50L	7.31Y	121.9	0.00	3.15	61.31	123	429	129	96	0.00	0.0	3.965	0.001	0	0	0	63	C
PL.36728	PD.5913	B	#4 ACSR	7.30Y	121.7	0.11	3.26	61.31	47	429	129	96	0.35	0.1	4.005	0.040	14	4	4	63	
PL.37902	PL.36728	B	#4 ACSR	7.30Y	121.6	0.12	3.37	59.32	46	415	125	96	0.37	0.1	4.050	0.045	14	4	1	59	
PL.36729	PL.37902	B	#4 ACSR	7.28Y	121.4	0.25	3.63	57.39	44	401	121	96	0.77	0.2	4.149	0.100	8	2	1	58	
PL.37204	PL.36729	B	#4 ACSR	7.28Y	121.4	0.00	3.63	0.00	0	0	0	100	0.00	0.0	4.212	0.063	0	0	0	0	
PL.37905	PL.36729	B	#4 ACSR	7.24Y	120.7	0.64	4.27	56.23	43	392	118	96	1.92	0.5	4.403	0.253	0	0	0	57	
PL.37253	PL.37905	B	#4 ACSR	7.24Y	120.7	0.01	4.28	1.35	1	9	3	95	0.00	0.0	4.612	0.210	5	1	1	2	
PL.62833	PL.37253	B	#1/0 ACSR	7.24Y	120.7	0.00	4.28	0.68	0	5	1	98	0.00	0.0	4.680	0.068	0	0	0	1	
PL.62834	PL.62833	B	#1/0 ACSR	7.24Y	120.7	0.00	4.28	0.68	0	5	1	98	0.00	0.0	4.740	0.059	5	1	1	1	
PL.37906	PL.37905	B	#4 ACSR	7.23Y	120.5	0.22	4.48	54.88	42	381	114	96	0.63	0.2	4.491	0.088	4	1	1	55	
PL.37907	PL.37906	B	#4 ACSR	7.22Y	120.3	0.23	4.71	54.33	42	376	113	96	0.67	0.2	4.585	0.095	0	0	0	54	
PL.37908	PL.37907	B	#4 ACSR	7.20Y	120.1	0.22	4.93	50.58	39	350	105	96	0.60	0.2	4.684	0.098	0	0	0	52	
PL.37697	PL.37908	B	#4 ACSR	7.19Y	119.8	0.25	5.19	50.58	39	349	104	96	0.69	0.2	4.796	0.112	0	0	0	52	
PL.37208	PL.37697	B	#4 ACSR	7.18Y	119.7	0.07	5.26	32.97	25	227	68	96	0.13	0.1	4.845	0.050	0	0	0	44	
PL.37837	PL.37208	B	#4 ACSR	7.16Y	119.3	0.42	5.68	9.80	8	67	20	96	0.22	0.3	5.826	0.981	3	1	1	19	
PL.38585	PL.37837	B	6 A (CWC)	7.16Y	119.3	0.05	5.73	4.86	3	33	10	96	0.01	0.0	6.029	0.203	0	0	0	7	

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Balanced Voltage Drop Report
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Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
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Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.38586	PL.38585	B	6 A (CWC)	7.15Y	119.2	0.06	5.79	4.86	3	33	10	96	0.02	0.0	6.327	0.298	2	1	1	7
PL.38583	PL.38586	B	6 A (CWC)	7.15Y	119.2	0.01	5.80	4.53	3	31	9	96	0.00	0.0	6.373	0.046	3	1	1	6
PL.58463	PL.38583	B	6 A (CWC)	7.15Y	119.2	0.03	5.83	3.83	3	26	8	96	0.01	0.0	6.546	0.173	0	0	0	4
PD.8686	PL.58463	B	20T	7.15Y	119.2	0.00	5.83	3.83	0	26	8	96	0.00	0.0	6.546	0.173	0	0	0	4
PL.58464	PD.8686	B	6 A (CWC)	7.15Y	119.1	0.02	5.85	3.83	3	26	8	96	0.00	0.0	6.646	0.100	0	0	0	4
PL.37125	PL.58464	B	6 A (CWC)	7.15Y	119.1	0.05	5.90	3.83	3	26	8	96	0.01	0.0	6.953	0.308	0	0	0	4
PL.37838	PL.37125	B	6 A (CWC)	7.15Y	119.1	0.00	5.90	0.46	0	3	1	95	0.00	0.0	6.976	0.022	3	1	1	1
PL.38587	PL.37125	B	6 A (CWC)	7.15Y	119.1	0.01	5.92	3.37	2	23	7	96	0.00	0.0	7.032	0.078	0	0	0	3
PL.37126	PL.38587	B	6 A (CWC)	7.14Y	119.1	0.03	5.94	3.02	2	21	6	96	0.00	0.0	7.226	0.194	0	0	0	2
PL.38588	PL.37126	B	6 A (CWC)	7.14Y	119.0	0.10	6.05	3.02	2	21	6	96	0.02	0.1	7.964	0.738	0	0	0	2
PL.38589	PL.38588	B	6 A (CWC)	7.14Y	118.9	0.01	6.05	3.02	2	21	6	96	0.00	0.0	8.058	0.094	21	6	2	2
PL.37865	PL.38587	B	6 A (CWC)	7.14Y	119.1	0.00	5.92	0.35	0	2	1	89	0.00	0.0	7.088	0.056	2	1	1	1
PL.37540	PL.37125	B	6 A (CWC)	7.15Y	119.1	0.00	5.90	0.00	0	0	0	100	0.00	0.0	6.993	0.040	0	0	0	0
PL.58522	PL.38583	B	6 A (CWC)	7.15Y	119.2	0.00	5.80	0.28	0	2	1	89	0.00	0.0	6.376	0.003	0	0	0	1
PD.8706	PL.58522	B	20T	7.15Y	119.2	0.00	5.80	0.28	0	2	1	89	0.00	0.0	6.376	0.003	0	0	0	1
PL.58523	PD.8706	B	6 A (CWC)	7.15Y	119.2	0.00	5.80	0.28	0	2	1	89	0.00	0.0	6.661	0.285	2	1	1	1
PL.38584	PL.58523	B	6 A (CWC)	7.15Y	119.2	0.00	5.80	0.00	0	0	0	100	0.00	0.0	6.801	0.140	0	0	0	0
PL.37539	PL.37837	B	#4 ACSR	7.16Y	119.3	0.04	5.72	4.52	3	31	9	96	0.01	0.0	6.028	0.202	1	0	1	11
PL.37123	PL.37539	B	#4 ACSR	7.15Y	119.2	0.05	5.77	3.17	2	22	6	96	0.01	0.0	6.349	0.321	0	0	1	4
PL.37124	PL.37123	B	#4 ACSR	7.15Y	119.2	0.03	5.80	3.16	2	22	6	96	0.00	0.0	6.535	0.186	0	0	0	3
PL.39225	PL.37124	B	#4 ACSR	7.15Y	119.2	0.01	5.80	3.16	2	22	6	96	0.00	0.0	6.646	0.111	22	6	3	3
PL.39226	PL.39225	B	#4 ACSR	7.15Y	119.2	0.00	5.80	0.00	0	0	0	100	0.00	0.0	6.708	0.063	0	0	0	0
PL.37806	PL.37539	B	#4 ACSR	7.16Y	119.3	0.00	5.72	0.22	0	1	0	100	0.00	0.0	6.119	0.090	0	0	1	2
PL.37807	PL.37806	B	#4 ACSR	7.16Y	119.3	0.00	5.72	0.17	0	1	0	100	0.00	0.0	6.183	0.065	1	0	1	1
PL.64228	PL.37539	B	#4 ACSR	7.16Y	119.3	0.01	5.73	0.92	1	6	2	95	0.00	0.0	6.294	0.266	0	0	0	4
PL.64155	PL.64228	B	6 A (CWC)	7.16Y	119.3	0.00	5.73	0.12	0	1	0	100	0.00	0.0	6.384	0.089	1	0	2	2
PL.64227	PL.64228	B	6 A (CWC)	7.16Y	119.3	0.00	5.73	0.00	0	0	0	100	0.00	0.0	6.386	0.092	0	0	0	0
PL.64229	PL.64228	B	#4 ACSR	7.16Y	119.3	0.00	5.74	0.80	1	6	2	95	0.00	0.0	6.398	0.104	2	1	1	2
PL.37898	PL.64229	B	#4 ACSR	7.16Y	119.3	0.00	5.74	0.00	0	0	0	100	0.00	0.0	6.464	0.066	0	0	0	0
PL.37256	PL.64229	B	#4 ACSR	7.16Y	119.3	0.00	5.74	0.49	0	3	1	95	0.00	0.0	6.463	0.065	3	1	1	1
PL.62501	PL.37208	B	#4 ACSR	7.18Y	119.7	0.00	5.27	23.18	18	160	48	96	0.00	0.0	4.849	0.003	0	0	0	25

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: Conway

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.9370	PL.62501	B	25T	7.18Y	119.7	0.00	5.27	23.18	0	160	48	96	0.00	0.0	4.849	0.003	0	0	0	25
PL.62502	PD.9370	B	#4 ACSR	7.18Y	119.6	0.14	5.41	23.18	18	160	48	96	0.17	0.1	4.988	0.139	5	2	1	25
PL.37228	PL.62502	B	#4 ACSR	7.17Y	119.5	0.11	5.51	22.44	17	154	46	96	0.13	0.1	5.093	0.105	0	0	0	24
PL.37229	PL.37228	B	#4 ACSR	7.17Y	119.5	0.01	5.52	4.00	3	27	8	96	0.00	0.0	5.175	0.082	27	8	3	3
PL.37701	PL.37229	B	#4 ACSR	7.17Y	119.5	0.00	5.52	0.00	0	0	0	100	0.00	0.0	5.215	0.040	0	0	0	0
PL.37702	PL.37701	B	#4 ACSR	7.17Y	119.5	0.00	5.52	0.00	0	0	0	100	0.00	0.0	5.278	0.062	0	0	0	0
PL.37703	PL.37228	B	#4 ACSR	7.16Y	119.3	0.18	5.69	18.44	14	127	38	96	0.17	0.1	5.307	0.215	0	0	0	21
PL.37507	PL.37703	B	#4 ACSR	7.16Y	119.3	0.06	5.75	14.84	11	102	30	96	0.04	0.0	5.397	0.089	11	3	2	18
PL.37799	PL.37507	B	#4 ACSR	7.16Y	119.3	0.00	5.75	0.22	0	2	0	100	0.00	0.0	5.422	0.025	2	0	1	1
PL.37508	PL.37507	B	#4 ACSR	7.15Y	119.2	0.04	5.78	10.44	8	72	21	96	0.02	0.0	5.478	0.081	9	3	1	12
PL.37341	PL.37508	B	#4 ACSR	7.15Y	119.2	0.00	5.78	1.53	1	10	3	96	0.00	0.0	5.556	0.078	10	3	1	1
PL.37509	PL.37508	B	#4 ACSR	7.15Y	119.2	0.03	5.81	7.55	6	52	15	96	0.01	0.0	5.558	0.080	0	0	0	10
PL.37510	PL.37509	B	#4 ACSR	7.15Y	119.2	0.00	5.81	5.57	4	38	11	96	0.00	0.0	5.571	0.014	2	1	1	9
PL.37511	PL.37510	B	#4 ACSR	7.15Y	119.2	0.01	5.83	5.27	4	36	11	96	0.00	0.0	5.632	0.061	0	0	0	8
PL.37512	PL.37511	B	#4 ACSR	7.15Y	119.1	0.04	5.86	5.27	4	36	11	96	0.01	0.0	5.814	0.182	10	3	2	8
PL.37575	PL.37512	B	#4 ACSR	7.15Y	119.1	0.00	5.86	0.07	0	0	0	100	0.00	0.0	5.906	0.092	0	0	1	1
PL.37513	PL.37512	B	#4 ACSR	7.15Y	119.1	0.02	5.88	3.76	3	26	8	96	0.00	0.0	5.924	0.110	10	3	1	5
PL.37514	PL.37513	B	#4 ACSR	7.15Y	119.1	0.01	5.89	2.35	2	16	5	95	0.00	0.0	6.020	0.096	0	0	0	4
PL.37515	PL.37514	B	#4 ACSR	7.15Y	119.1	0.00	5.89	0.68	1	5	1	98	0.00	0.0	6.068	0.048	5	1	1	1
PL.37516	PL.37514	B	#4 ACSR	7.15Y	119.1	0.01	5.90	1.67	1	11	3	96	0.00	0.0	6.217	0.197	0	0	0	3
PL.36714	PL.37516	B	#4 ACSR	7.15Y	119.1	0.00	5.90	1.67	1	11	3	96	0.00	0.0	6.228	0.010	11	3	3	3
PL.37542	PL.37509	B	#4 ACSR	7.15Y	119.2	0.00	5.81	1.98	2	14	4	96	0.00	0.0	5.600	0.042	14	4	1	1
PL.37541	PL.37507	B	#4 ACSR	7.15Y	119.2	0.00	5.75	2.58	2	18	5	96	0.00	0.0	5.475	0.079	18	5	3	3
PL.61028	PL.37703	B	#1/0 ACSR	7.16Y	119.3	0.00	5.69	1.36	1	9	3	95	0.00	0.0	5.319	0.011	9	3	1	1
PL.37704	PL.37703	B	#4 ACSR	7.16Y	119.3	0.01	5.70	2.24	2	15	5	95	0.00	0.0	5.372	0.065	3	1	1	2
PL.37506	PL.37704	B	#4 ACSR	7.16Y	119.3	0.00	5.70	1.86	1	13	4	96	0.00	0.0	5.485	0.113	13	4	1	1
PL.37698	PL.37697	B	#4 ACSR	7.19Y	119.8	0.00	5.19	1.49	1	10	3	96	0.00	0.0	4.797	0.001	0	0	0	1
PD.6004	PL.37698	B	40QA	7.19Y	119.8	0.00	5.19	1.49	4	10	3	96	0.00	0.0	4.797	0.001	0	0	0	1
PL.37699	PD.6004	B	#4 ACSR	7.19Y	119.8	0.01	5.19	1.49	1	10	3	96	0.00	0.0	4.976	0.179	10	3	1	1
PL.37700	PL.37697	B	#4 ACSR	7.19Y	119.8	0.00	5.19	16.12	12	111	33	96	0.00	0.0	4.797	0.001	0	0	0	7
PD.6048	PL.37700	B	40QA	7.19Y	119.8	0.00	5.19	16.12	40	111	33	96	0.00	0.0	4.797	0.001	0	0	0	7

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Balanced Voltage Drop Report
Source: Conway

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.37803	PD.6048	B	#4 ACSR	7.17Y	119.5	0.35	5.54	16.12	12	111	33	96	0.30	0.3	5.276	0.479	0	0	0	7
PL.37340	PL.37803	B	6 A (CWC)	7.17Y	119.5	0.00	5.54	0.00	0	0	0	100	0.00	0.0	5.381	0.105	0	0	0	0
PL.37804	PL.37803	B	#4 ACSR	7.17Y	119.4	0.04	5.57	16.12	12	111	33	96	0.03	0.0	5.330	0.055	0	0	0	7
PL.37218	PL.37804	B	#4 ACSR	7.16Y	119.4	0.02	5.60	16.12	12	111	33	96	0.02	0.0	5.364	0.033	6	2	1	7
PL.37219	PL.37218	B	#4 ACSR	7.16Y	119.4	0.03	5.63	15.30	12	105	31	96	0.03	0.0	5.414	0.050	0	0	0	6
PL.37290	PL.37219	B	#4 ACSR	7.16Y	119.4	0.01	5.64	6.97	5	48	14	96	0.00	0.0	5.453	0.039	0	0	0	2
PL.37805	PL.37290	B	#4 ACSR	7.16Y	119.4	0.00	5.64	0.00	0	0	0	100	0.00	0.0	5.543	0.090	0	0	0	0
PL.37863	PL.37290	B	6 A (CWC)	7.16Y	119.3	0.01	5.65	6.97	5	48	14	96	0.00	0.0	5.499	0.046	48	14	2	2
PL.64226	PL.37219	B	6 A (CWC)	7.16Y	119.3	0.02	5.66	8.33	6	57	17	96	0.01	0.0	5.478	0.064	0	0	0	4
PL.64159	PL.64226	B	6 A (CWC)	7.16Y	119.3	0.01	5.67	8.33	6	57	17	96	0.01	0.0	5.512	0.034	8	3	1	4
PL.64154	PL.64159	B	6 A (CWC)	7.16Y	119.3	0.01	5.68	7.09	5	49	14	96	0.00	0.0	5.561	0.049	49	14	3	3
PL.37205	PL.37804	B	6 A (CWC)	7.17Y	119.4	0.00	5.57	0.00	0	0	0	100	0.00	0.0	5.408	0.077	0	0	0	0
PL.37684	PL.37907	B	#2 ACSR	7.22Y	120.3	0.00	4.71	2.07	1	14	4	96	0.00	0.0	4.611	0.026	14	4	1	1
PL.36722	PL.37907	B	#2 ACSR	7.22Y	120.3	0.00	4.71	1.68	1	12	3	97	0.00	0.0	4.653	0.067	12	3	1	1
PL.37500	PL.37503	A	#4 ACSR	7.36Y	122.7	0.00	2.32	0.00	0	0	0	100	0.00	0.0	2.765	0.001	0	0	0	1
PD.6063	PL.37500	A	60QA	7.36Y	122.7	0.00	2.32	0.00	0	0	0	100	0.00	0.0	2.765	0.001	0	0	0	1
PL.37501	PD.6063	A	#4 ACSR	7.36Y	122.7	0.00	2.32	0.00	0	0	0	100	0.00	0.0	2.793	0.028	0	0	1	1
PL.37502	PL.37501	A	#4 ACSR	7.36Y	122.7	0.00	2.32	0.00	0	0	0	100	0.00	0.0	2.880	0.086	0	0	0	0
CP.98	PL.52651	ABC	Cap (300)	7.38Y	122.9	0.00	2.06	0.00	0	0	0	100	0.00	0.0	2.369	0.086	0	0	0	0
PL.38213	PL.38356	C	#2 ACSR	7.39Y	123.2	0.00	1.79	2.69	2	19	6	95	0.00	0.0	1.978	0.000	0	0	0	4
PD.6047	PL.38213	C	60QA	7.39Y	123.2	0.00	1.79	2.69	4	19	6	95	0.00	0.0	1.978	0.000	0	0	0	4
PL.38214	PD.6047	C	#2 ACSR	7.39Y	123.2	0.00	1.80	2.69	2	19	6	95	0.00	0.0	2.028	0.050	10	3	1	4
PL.37537	PL.38214	C	#2 ACSR	7.39Y	123.2	0.00	1.80	1.26	1	9	3	95	0.00	0.0	2.057	0.029	4	1	2	3
PL.37538	PL.37537	C	#2 ACSR	7.39Y	123.2	0.00	1.80	0.66	0	5	1	98	0.00	0.0	2.179	0.122	5	1	1	1
PL.38022	PL.37760	C	#2 ACSR	7.41Y	123.4	0.00	1.56	1.14	1	8	2	97	0.00	0.0	1.693	0.001	0	0	0	1
PD.5970	PL.38022	C	60QA	7.41Y	123.4	0.00	1.56	1.14	2	8	2	97	0.00	0.0	1.693	0.001	0	0	0	1
PL.38023	PD.5970	C	#2 ACSR	7.41Y	123.4	0.00	1.56	1.14	1	8	2	97	0.00	0.0	1.715	0.022	8	2	1	1
PL.38024	PL.37767	B	#4 ACSR	7.42Y	123.6	0.00	1.41	1.04	1	7	2	96	0.00	0.0	1.533	0.001	0	0	0	1
PD.5969	PL.38024	B	60QA	7.42Y	123.6	0.00	1.41	1.04	2	7	2	96	0.00	0.0	1.533	0.001	0	0	0	1
PL.38025	PD.5969	B	#4 ACSR	7.42Y	123.6	0.00	1.41	1.04	1	7	2	96	0.00	0.0	1.554	0.022	7	2	1	1
PL.52504	PL.52502	A	#1/0 ACSR	7.45Y	124.2	0.00	0.85	2.25	1	16	5	95	0.00	0.0	0.912	0.000	0	0	0	1

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Balanced Voltage Drop Report
Source: Conway

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.5988	PL.52504	A	25QA	7.45Y	124.2	0.00	0.85	2.25	9	16	5	95	0.00	0.0	0.912	0.000	0	0	0	1
PL.38685	PD.5988	A	#1/0 ACSR	7.45Y	124.2	0.00	0.85	2.25	1	16	5	95	0.00	0.0	0.931	0.019	16	5	1	1
CP.73	PL.61768	ABC	Cap (300)	7.45Y	124.2	0.00	0.81	0.00	0	0	0	100	0.00	0.0	0.868	0.019	0	0	0	0

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	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	7868	0	0	0	0	0	198	0.00	8066
KVAR	2342	0	0	-1	0	0	313		2654

Lowest Voltage = 115.89 on Element PL.47704
Max Accm VoltD = 9.11 on Element PL.47704
Max Elem VoltD = 0.64 on Element PL.37905