

Balanced Voltage Drop Report  
Source: Eberle

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

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----			
																KW	KVAR	Cons On	Cons Thru	
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Eberle		ABC	SRC-Eberle	7.50Y	125.0	0.00	0.00	421.03	0	8998	2962	95	0.00	0.0	0.000	0.000	0	0	0	1337
PL.52878	Eberle	ABC	336 MCM AC	7.50Y	125.0	0.01	0.01	110.67	21	2372	757	95	0.12	0.0	0.011	0.011	0	0	0	381
PL.52879	PL.52878	ABC	336 MCM AC	7.50Y	125.0	0.01	0.02	110.67	21	2372	757	95	0.10	0.0	0.021	0.009	0	0	0	381
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----- Feeder No. 2 (Peoples F2) Beginning with Device PD.8008 -----																				
PD.8008	PL.52879	ABC	480VWE	7.50Y	125.0	0.00	0.02	110.67	0	2372	757	95	0.00	0.0	0.021	0.009	0	0	0	381
PL.52882	PD.8008	ABC	336 MCM AC	7.49Y	124.8	0.15	0.17	110.67	21	2372	757	95	1.85	0.1	0.200	0.179	0	0	0	381
PL.52884	PL.52882	ABC	336 MCM AC	7.48Y	124.6	0.19	0.37	110.67	21	2370	752	95	2.33	0.1	0.426	0.226	0	0	0	381
PL.40827	PL.52884	C	#1/0 ACSR	7.48Y	124.6	0.00	0.37	0.00	0	0	0	100	0.00	0.0	0.432	0.006	0	0	0	0
PD.6232	PL.40827	C	75QA	7.48Y	124.6	0.00	0.37	0.00	0	0	0	100	0.00	0.0	0.432	0.006	0	0	0	0
PL.40828	PD.6232	C	#1/0 ACSR	7.48Y	124.6	0.00	0.37	0.00	0	0	0	100	0.00	0.0	0.482	0.050	0	0	0	0
PL.40826	PL.52884	ABC	336 MCM AC	7.47Y	124.5	0.13	0.49	110.67	21	2368	747	95	1.50	0.1	0.573	0.146	14	4	2	381
PL.40829	PL.40826	A	#4 ACSR	7.47Y	124.5	0.01	0.50	20.63	16	148	44	96	0.01	0.0	0.578	0.006	0	0	0	26
PD.6384	PL.40829	A	50L	7.47Y	124.5	0.00	0.50	20.63	41	148	44	96	0.00	0.0	0.578	0.006	0	0	0	26
PL.40830	PD.6384	A	#4 ACSR	7.47Y	124.4	0.08	0.58	20.63	16	148	44	96	0.09	0.1	0.669	0.091	12	4	1	26
PL.40351	PL.40830	A	#4 ACSR	7.47Y	124.4	0.00	0.58	1.51	1	11	3	96	0.00	0.0	0.768	0.099	11	3	1	1
PL.40831	PL.40830	A	#4 ACSR	7.46Y	124.3	0.11	0.69	17.39	13	124	37	96	0.10	0.1	0.814	0.145	9	3	2	24
PL.40835	PL.40831	A	6 A (CWC)	7.44Y	124.1	0.23	0.92	14.19	10	101	30	96	0.18	0.2	1.172	0.358	0	0	0	18
PL.40727	PL.40835	A	#4 ACSR	7.44Y	124.1	0.00	0.92	0.78	1	6	2	95	0.00	0.0	1.212	0.040	6	2	2	2
PL.40836	PL.40835	A	6 A (CWC)	7.44Y	124.0	0.05	0.97	13.41	10	96	28	96	0.03	0.0	1.248	0.076	0	0	0	16
PL.40837	PL.40836	A	6 A (CWC)	7.44Y	124.0	0.08	1.04	13.41	10	96	28	96	0.05	0.1	1.383	0.135	13	4	1	16
PL.63368	PL.40837	A	#4 ACSR	7.44Y	124.0	0.00	1.04	0.00	0	0	0	100	0.00	0.0	1.383	0.000	0	0	0	0
PL.63369	PL.63368	A	#4 ACSR	7.44Y	124.0	0.00	1.04	0.00	0	0	0	100	0.00	0.0	1.473	0.090	0	0	0	0
PL.40838	PL.40837	A	6 A (CWC)	7.43Y	123.8	0.15	1.20	11.55	8	82	24	96	0.09	0.1	1.699	0.315	15	5	1	15
PL.40839	PL.40838	A	6 A (CWC)	7.42Y	123.7	0.08	1.28	9.39	7	67	20	96	0.04	0.1	1.887	0.189	0	0	0	14
PL.40840	PL.40839	A	6 A (CWC)	7.42Y	123.7	0.02	1.29	2.40	2	17	5	96	0.00	0.0	2.073	0.185	7	2	2	6
PL.40805	PL.40840	A	6 A (CWC)	7.42Y	123.7	0.00	1.29	0.71	1	5	1	98	0.00	0.0	2.112	0.039	0	0	0	2
PL.40842	PL.40805	A	6 A (CWC)	7.42Y	123.7	0.00	1.30	0.71	1	5	1	98	0.00	0.0	2.165	0.053	5	1	2	2
PL.40843	PL.40842	A	6 A (CWC)	7.42Y	123.7	0.00	1.30	0.00	0	0	0	100	0.00	0.0	2.189	0.024	0	0	0	0
PL.40841	PL.40840	A	6 A (CWC)	7.42Y	123.7	0.00	1.30	0.66	0	5	1	98	0.00	0.0	2.257	0.185	5	1	2	2
PL.40844	PL.40839	A	6 A (CWC)	7.42Y	123.7	0.05	1.33	7.00	5	50	15	96	0.02	0.0	2.043	0.156	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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.40845	PL.40844	A	#2 ACSR	7.42Y	123.7	0.00	1.33	1.31	1	9	3	95	0.00	0.0	2.132	0.089	2	1	1	2
PL.40846	PL.40845	A	#2 ACSR	7.42Y	123.7	0.00	1.33	1.05	1	7	2	96	0.00	0.0	2.222	0.090	7	2	1	1
PL.40816	PL.40844	A	#4 ACSR	7.42Y	123.7	0.01	1.33	1.59	1	11	3	96	0.00	0.0	2.142	0.099	0	0	1	2
PL.40817	PL.40816	A	#4 ACSR	7.42Y	123.7	0.00	1.34	1.59	1	11	3	96	0.00	0.0	2.175	0.033	11	3	1	1
PL.40449	PL.40844	A	6 A (CWC)	7.42Y	123.7	0.02	1.34	4.09	3	29	9	96	0.00	0.0	2.145	0.101	9	3	2	4
PL.40450	PL.40449	A	6 A (CWC)	7.42Y	123.6	0.02	1.37	2.80	2	20	6	96	0.00	0.0	2.378	0.234	8	2	1	2
PL.40451	PL.40450	A	6 A (CWC)	7.42Y	123.6	0.00	1.37	1.68	1	12	4	95	0.00	0.0	2.444	0.066	12	4	1	1
PL.40832	PL.40831	A	#4 ACSR	7.46Y	124.3	0.00	0.69	1.97	2	14	4	96	0.00	0.0	0.841	0.026	0	0	0	4
PL.64564	PL.40832	A	#1/0 ACSR	7.46Y	124.3	0.00	0.69	1.33	1	10	3	96	0.00	0.0	0.895	0.055	10	3	1	1
PL.40833	PL.40832	A	#4 ACSR	7.46Y	124.3	0.01	0.70	0.64	0	5	1	98	0.00	0.0	1.122	0.282	0	0	0	3
PL.40561	PL.40833	A	6 A (CWC)	7.46Y	124.3	0.00	0.70	0.00	0	0	0	100	0.00	0.0	1.297	0.175	0	0	0	0
PL.40834	PL.40833	A	6 A (CWC)	7.46Y	124.3	0.00	0.70	0.64	0	5	1	98	0.00	0.0	1.307	0.184	2	1	1	3
PL.60711	PL.40834	A	6 A (CWC)	7.46Y	124.3	0.00	0.70	0.39	0	3	1	95	0.00	0.0	1.407	0.101	0	0	0	2
PL.60713	PL.60711	A	#1/0 ACSR	7.46Y	124.3	0.00	0.70	0.39	0	3	1	95	0.00	0.0	1.411	0.003	0	0	0	2
PD.9057	PL.60713	A	10T	7.46Y	124.3	0.00	0.70	0.39	0	3	1	95	0.00	0.0	1.411	0.003	0	0	0	2
PL.63372	PD.9057	A	#1/0 ACSR	7.46Y	124.3	0.00	0.70	0.39	0	3	1	95	0.00	0.0	1.520	0.110	0	0	0	2
PL.63374	PL.63372	A	#1/0 ACSR	7.46Y	124.3	0.00	0.70	0.00	0	0	0	100	0.00	0.0	1.712	0.192	0	0	1	1
PL.63373	PL.63372	A	#1/0 ACSR	7.46Y	124.3	0.00	0.70	0.39	0	3	1	95	0.00	0.0	1.651	0.131	3	1	1	1
PL.60712	PL.60711	A	6 A (CWC)	7.46Y	124.3	0.00	0.70	0.00	0	0	0	100	0.00	0.0	1.532	0.124	0	0	0	0
PL.40564	PL.40826	ABC	336 MCM AC	7.46Y	124.3	0.22	0.71	103.17	20	2205	696	95	2.44	0.1	0.844	0.272	0	0	0	353
PL.40565	PL.40564	C	6 A (CWC)	7.46Y	124.3	0.00	0.71	0.00	0	0	0	100	0.00	0.0	0.850	0.006	0	0	0	0
PD.6233	PL.40565	C	75QA	7.46Y	124.3	0.00	0.71	0.00	0	0	0	100	0.00	0.0	0.850	0.006	0	0	0	0
PL.40566	PD.6233	C	6 A (CWC)	7.46Y	124.3	0.00	0.71	0.00	0	0	0	100	0.00	0.0	1.106	0.257	0	0	0	0
PL.40567	PL.40564	ABC	336 MCM AC	7.44Y	124.0	0.27	0.97	103.17	20	2203	690	95	2.99	0.1	1.180	0.335	11	3	4	353
PL.40568	PL.40567	ABC	336 MCM AC	7.43Y	123.8	0.19	1.16	102.64	20	2188	680	95	2.08	0.1	1.414	0.234	0	0	0	348
PL.40570	PL.40568	A	#4 ACSR	7.43Y	123.8	0.00	1.16	1.08	1	8	2	97	0.00	0.0	1.420	0.006	0	0	0	1
PD.6234	PL.40570	A	15T	7.43Y	123.8	0.00	1.16	1.08	0	8	2	97	0.00	0.0	1.420	0.006	0	0	0	1
PL.40571	PD.6234	A	#4 ACSR	7.43Y	123.8	0.00	1.16	1.08	1	8	2	97	0.00	0.0	1.514	0.094	8	2	1	1
PL.40569	PL.40568	ABC	336 MCM AC	7.42Y	123.7	0.16	1.32	102.28	20	2179	673	96	1.84	0.1	1.623	0.209	0	0	0	347
PL.40702	PL.40569	C	6 A (CWC)	7.42Y	123.7	0.00	1.33	16.10	11	115	34	96	0.00	0.0	1.629	0.006	0	0	0	22
PD.6335	PL.40702	C	75QA	7.42Y	123.7	0.00	1.33	16.10	21	115	34	96	0.00	0.0	1.629	0.006	0	0	0	22

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.40703	PD.6335	C	6 A (CWC)	7.40Y	123.4	0.28	1.61	16.10	11	115	34	96	0.24	0.2	2.007	0.378	0	0	0	22
PL.40413	PL.40703	C	#4 ACSR	7.40Y	123.4	0.00	1.61	0.00	0	0	0	100	0.00	0.0	2.218	0.211	0	0	0	0
PL.40196	PL.40703	C	6 A (CWC)	7.40Y	123.3	0.12	1.73	16.10	11	114	34	96	0.10	0.1	2.178	0.171	17	5	2	22
PL.40197	PL.40196	C	6 A (CWC)	7.38Y	123.0	0.22	1.95	13.75	10	98	29	96	0.16	0.2	2.536	0.357	1	0	1	20
PL.40746	PL.40197	C	6 A (CWC)	7.38Y	123.0	0.06	2.01	13.62	10	96	28	96	0.04	0.0	2.642	0.106	16	5	4	19
PL.40402	PL.40746	C	6 A (CWC)	7.38Y	123.0	0.03	2.04	11.37	8	80	24	96	0.02	0.0	2.706	0.064	23	7	4	15
PL.40403	PL.40402	C	6 A (CWC)	7.38Y	122.9	0.02	2.06	8.19	6	58	17	96	0.01	0.0	2.768	0.062	9	3	1	11
PL.40724	PL.40403	C	6 A (CWC)	7.38Y	122.9	0.00	2.06	1.85	1	13	4	96	0.00	0.0	2.799	0.031	13	4	2	2
PL.40390	PL.40403	C	6 A (CWC)	7.38Y	122.9	0.01	2.07	5.05	4	36	11	96	0.00	0.0	2.798	0.030	8	2	1	8
PL.40391	PL.40390	C	6 A (CWC)	7.38Y	122.9	0.01	2.08	3.94	3	28	8	96	0.00	0.0	2.846	0.049	5	2	1	7
PL.40808	PL.40391	C	6 A (CWC)	7.37Y	122.9	0.01	2.09	3.18	2	22	7	95	0.00	0.0	2.932	0.085	11	3	3	6
PL.40809	PL.40808	C	6 A (CWC)	7.37Y	122.9	0.01	2.09	1.67	1	12	3	97	0.00	0.0	3.142	0.210	12	3	3	3
PL.40452	PL.40569	ABC	336 MCM AC	7.40Y	123.3	0.38	1.70	96.92	19	2062	634	96	4.01	0.2	2.130	0.507	0	0	0	325
PL.40765	PL.40452	A	#1/0 ACSR	7.40Y	123.3	0.00	1.70	0.44	0	3	1	95	0.00	0.0	2.165	0.035	3	1	1	1
PL.40502	PL.40452	ABC	336 MCM AC	7.39Y	123.2	0.08	1.78	96.77	19	2055	624	96	0.82	0.0	2.233	0.103	0	0	0	324
PL.40214	PL.40502	ABC	336 MCM AC	7.39Y	123.2	0.05	1.82	63.39	12	1345	408	96	0.32	0.0	2.327	0.094	7	2	3	216
PL.40215	PL.40214	ABC	336 MCM AC	7.39Y	123.2	0.02	1.84	63.05	12	1338	405	96	0.13	0.0	2.367	0.039	8	2	1	213
PL.40216	PL.40215	ABC	336 MCM AC	7.39Y	123.1	0.02	1.86	62.67	12	1330	403	96	0.16	0.0	2.414	0.047	10	3	3	211
PL.63380	PL.40216	B	#1/0 ACSR	7.39Y	123.1	0.00	1.87	1.01	0	7	2	96	0.00	0.0	2.470	0.056	0	0	0	1
PL.63381	PL.63380	B	#1/0 ACSR	7.39Y	123.1	0.00	1.87	1.01	0	7	2	96	0.00	0.0	2.538	0.068	7	2	1	1
PL.40217	PL.40216	ABC	336 MCM AC	7.39Y	123.1	0.03	1.90	61.84	12	1312	397	96	0.23	0.0	2.484	0.070	0	0	0	207
PL.60683	PL.40217	ABC	336 MCM AC	7.38Y	123.1	0.04	1.94	61.80	12	1311	396	96	0.27	0.0	2.567	0.083	0	0	0	206
PL.60685	PL.60683	ABC	336 MCM AC	7.38Y	123.0	0.02	1.95	59.75	12	1267	383	96	0.11	0.0	2.605	0.037	10	3	1	199
PL.62844	PL.60685	ABC	336 MCM AC	7.38Y	123.0	0.05	2.00	59.29	11	1257	380	96	0.30	0.0	2.705	0.101	0	0	0	198
PD.9432	PL.62844	ABC	4C	7.38Y	123.0	0.00	2.00	59.29	0	1257	379	96	0.00	0.0	2.705	0.101	0	0	0	198
PL.62845	PD.9432	ABC	336 MCM AC	7.38Y	123.0	0.03	2.03	59.29	11	1257	379	96	0.21	0.0	2.777	0.071	6	2	2	198
PL.60681	PL.62845	C	6 A (CWC)	7.38Y	123.0	0.00	2.03	1.61	1	11	3	96	0.00	0.0	2.841	0.065	11	3	3	3
PL.40335	PL.60681	C	6 A (CWC)	7.38Y	123.0	0.00	2.03	0.00	0	0	0	100	0.00	0.0	2.860	0.019	0	0	0	0
PL.60682	PL.62845	ABC	336 MCM AC	7.38Y	122.9	0.04	2.07	58.47	11	1239	373	96	0.25	0.0	2.865	0.088	0	0	0	193
PL.52783	PL.60682	ABC	336 MCM AC	7.37Y	122.9	0.03	2.10	58.47	11	1239	373	96	0.20	0.0	2.933	0.068	0	0	0	193
PL.40336	PL.52783	C	6 A (CWC)	7.37Y	122.9	0.00	2.10	0.81	1	6	2	95	0.00	0.0	2.939	0.006	0	0	0	2

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PD.6236	PL.40336	C	20T	7.37Y	122.9	0.00	2.10	0.81	0	6	2	95	0.00	0.0	2.939	0.006	0	0	0	2
PL.40396	PD.6236	C	6 A (CWC)	7.37Y	122.9	0.00	2.10	0.81	1	6	2	95	0.00	0.0	2.990	0.051	0	0	0	2
PL.40397	PL.40396	C	6 A (CWC)	7.37Y	122.9	0.00	2.10	0.52	0	4	1	97	0.00	0.0	3.040	0.050	4	1	1	1
PL.40386	PL.40396	C	6 A (CWC)	7.37Y	122.9	0.00	2.10	0.30	0	2	1	89	0.00	0.0	3.044	0.055	2	1	1	1
PL.40176	PL.52783	ABC	336 MCM AC	7.37Y	122.9	0.04	2.15	58.20	11	1233	371	96	0.29	0.0	3.034	0.101	0	0	0	191
PL.40339	PL.40176	ABC	#3/0 ACSR	7.37Y	122.8	0.07	2.22	36.16	12	765	231	96	0.35	0.0	3.193	0.159	0	0	0	112
PL.40340	PL.40339	ABC	#3/0 ACSR	7.36Y	122.7	0.09	2.31	35.64	12	754	228	96	0.43	0.1	3.394	0.201	0	0	0	111
PL.40341	PL.40340	ABC	#3/0 ACSR	7.36Y	122.7	0.03	2.35	34.54	12	730	220	96	0.15	0.0	3.468	0.074	0	0	0	109
PL.40407	PL.40341	ABC	#3/0 ACSR	7.36Y	122.6	0.04	2.38	34.20	11	723	218	96	0.17	0.0	3.553	0.086	10	3	2	107
PL.40408	PL.40407	ABC	#3/0 ACSR	7.36Y	122.6	0.03	2.42	33.71	11	713	214	96	0.15	0.0	3.630	0.076	0	0	0	105
PL.40410	PL.40408	A	6 A (CWC)	7.36Y	122.6	0.00	2.42	2.00	1	14	4	96	0.00	0.0	3.635	0.006	0	0	0	1
PD.6306	PL.40410	A	75QA	7.36Y	122.6	0.00	2.42	2.00	3	14	4	96	0.00	0.0	3.635	0.006	0	0	0	1
PL.40008	PD.6306	A	6 A (CWC)	7.35Y	122.6	0.01	2.43	2.00	1	14	4	96	0.00	0.0	3.850	0.214	14	4	1	1
PL.40409	PL.40408	B	6 A (CWC)	7.35Y	122.6	0.00	2.42	15.63	11	110	33	96	0.00	0.0	3.635	0.006	0	0	0	19
PD.6394	PL.40409	B	50H	7.35Y	122.6	0.00	2.42	15.63	31	110	33	96	0.00	0.0	3.635	0.006	0	0	0	19
PL.40009	PD.6394	B	6 A (CWC)	7.35Y	122.5	0.04	2.46	15.63	11	110	33	96	0.03	0.0	3.688	0.052	2	1	1	19
PL.40010	PL.40009	B	6 A (CWC)	7.35Y	122.4	0.10	2.55	15.28	11	108	32	96	0.08	0.1	3.831	0.143	7	2	2	18
PL.40756	PL.40010	B	6 A (CWC)	7.34Y	122.4	0.08	2.63	14.28	10	101	30	96	0.06	0.1	3.954	0.123	0	0	0	16
PL.40757	PL.40756	B	6 A (CWC)	7.33Y	122.2	0.19	2.82	14.28	10	101	30	96	0.14	0.1	4.250	0.297	7	2	1	16
PL.40758	PL.40757	B	6 A (CWC)	7.33Y	122.1	0.04	2.86	13.36	10	94	28	96	0.03	0.0	4.309	0.058	1	0	1	15
PL.40759	PL.40758	B	6 A (CWC)	7.33Y	122.1	0.03	2.89	12.04	9	85	25	96	0.02	0.0	4.366	0.057	20	6	1	13
PL.40384	PL.40759	B	6 A (CWC)	7.32Y	122.0	0.07	2.96	9.23	7	65	19	96	0.03	0.0	4.538	0.172	7	2	2	12
PL.40385	PL.40384	B	6 A (CWC)	7.32Y	122.0	0.05	3.00	8.18	6	57	17	96	0.02	0.0	4.666	0.128	0	0	0	10
PL.40255	PL.40385	B	6 A (CWC)	7.32Y	122.0	0.03	3.03	6.01	4	42	12	96	0.01	0.0	4.777	0.112	7	2	1	7
PL.40920	PL.40255	B	6 A (CWC)	7.32Y	122.0	0.01	3.05	4.98	4	35	10	96	0.00	0.0	4.856	0.079	12	4	1	6
PL.40921	PL.40920	B	6 A (CWC)	7.32Y	121.9	0.00	3.05	3.22	2	23	7	96	0.00	0.0	4.886	0.030	8	2	2	5
PL.39654	PL.40921	B	6 A (CWC)	7.32Y	121.9	0.00	3.05	2.06	1	14	4	96	0.00	0.0	4.935	0.049	14	4	3	3
PL.40256	PL.40255	B	6 A (CWC)	7.32Y	122.0	0.00	3.03	0.00	0	0	0	100	0.00	0.0	4.996	0.219	0	0	0	0
PL.60730	PL.40385	B	6 A (CWC)	7.32Y	122.0	0.00	3.01	2.17	2	15	4	97	0.00	0.0	4.736	0.070	13	4	2	3
PL.60731	PL.60730	B	6 A (CWC)	7.32Y	122.0	0.00	3.01	0.30	0	2	1	89	0.00	0.0	4.834	0.098	2	1	1	1
PL.40146	PL.40758	B	#1/0 ACSR	7.33Y	122.1	0.00	2.86	1.22	1	9	3	95	0.00	0.0	4.507	0.199	9	3	1	1

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Balanced Voltage Drop Report  
Source: Eberle

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.40135	PL.40408	ABC	#3/0 ACSR	7.35Y	122.5	0.12	2.54	27.84	9	588	177	96	0.45	0.1	3.984	0.355	23	7	2	85
PL.40136	PL.40135	A	6 A (CWC)	7.35Y	122.5	0.00	2.54	1.71	1	12	4	95	0.00	0.0	3.990	0.006	0	0	0	1
PD.6372	PL.40136	A	75QA	7.35Y	122.5	0.00	2.54	1.71	2	12	4	95	0.00	0.0	3.990	0.006	0	0	0	1
PL.40312	PD.6372	A	6 A (CWC)	7.35Y	122.5	0.00	2.54	1.71	1	12	4	95	0.00	0.0	4.023	0.033	12	4	1	1
PL.60667	PL.40135	ABC	#3/0 ACSR	7.35Y	122.4	0.04	2.58	26.16	9	552	166	96	0.13	0.0	4.101	0.116	0	0	0	82
PL.60668	PL.60667	ABC	#3/0 ACSR	7.34Y	122.4	0.01	2.59	26.16	9	552	166	96	0.03	0.0	4.130	0.029	0	0	0	82
PL.40313	PL.60668	ABC	#2 ACSR	7.34Y	122.4	0.03	2.62	26.16	15	552	166	96	0.14	0.0	4.181	0.051	11	3	1	82
PL.40314	PL.40313	ABC	#2 ACSR	7.34Y	122.3	0.08	2.70	25.63	15	541	163	96	0.32	0.1	4.301	0.120	0	0	0	81
PL.40144	PL.40314	ABC	#3/0 ACSR	7.34Y	122.3	0.03	2.73	24.49	8	516	155	96	0.10	0.0	4.410	0.110	34	10	1	76
PL.40762	PL.40144	ABC	#3/0 ACSR	7.33Y	122.2	0.10	2.83	22.73	8	479	144	96	0.28	0.1	4.746	0.335	20	6	3	74
PL.40763	PL.40762	ABC	#3/0 ACSR	7.33Y	122.2	0.02	2.85	21.77	7	458	138	96	0.05	0.0	4.815	0.069	16	5	3	71
PL.40478	PL.40763	ABC	#3/0 ACSR	7.33Y	122.1	0.02	2.87	21.03	7	443	133	96	0.05	0.0	4.888	0.073	11	3	3	68
PL.40479	PL.40478	ABC	#3/0 ACSR	7.33Y	122.1	0.02	2.88	19.18	6	404	122	96	0.04	0.0	4.954	0.066	0	0	0	62
PL.61092	PL.40479	ABC	#3/0 ACSR	7.33Y	122.1	0.01	2.89	6.40	2	134	42	95	0.00	0.0	5.029	0.075	10	3	3	16
PL.61094	PL.61092	ABC	#3/0 ACSR	7.33Y	122.1	0.00	2.89	3.07	1	64	21	95	0.00	0.0	5.079	0.050	0	0	0	5
PL.59628	PL.61094	ABC	#3/0 ACSR	7.33Y	122.1	0.00	2.89	3.07	1	64	21	95	0.00	0.0	5.127	0.048	51	15	4	5
PL.59633	PL.59628	ABC	#3/0 ACSR	7.33Y	122.1	0.00	2.89	0.00	0	0	0	100	0.00	0.0	5.233	0.106	0	0	0	0
PD.10593-A	PL.59633	ABC	Open	7.33Y	122.1	0.00	2.89	0.00	0	0	0	100	0.00	0.0	5.233	0.106	0	0	0	0
PL.59627	PL.59628	ABC	#3/0 ACSR	7.33Y	122.1	0.00	2.89	0.65	0	13	6	91	0.00	0.0	5.136	0.009	13	6	1	1
PL.61091	PL.61092	A	6 A (CWC)	7.33Y	122.1	0.00	2.89	0.00	0	0	0	100	0.00	0.0	5.034	0.006	0	0	0	0
PD.6267	PL.61091	A	40QA	7.33Y	122.1	0.00	2.89	0.00	0	0	0	100	0.00	0.0	5.034	0.006	0	0	0	0
PL.61095	PD.6267	A	6 A (CWC)	7.33Y	122.1	0.00	2.89	0.00	0	0	0	100	0.00	0.0	5.060	0.026	0	0	0	0
PL.61093	PL.61092	C	6 A (CWC)	7.33Y	122.1	0.00	2.89	8.61	6	61	18	96	0.00	0.0	5.034	0.006	0	0	0	8
PD.6337	PL.61093	C	75QA	7.33Y	122.1	0.00	2.89	8.61	11	61	18	96	0.00	0.0	5.034	0.006	0	0	0	8
PL.40927	PD.6337	C	6 A (CWC)	7.33Y	122.1	0.01	2.91	8.61	6	61	18	96	0.01	0.0	5.072	0.037	9	3	1	8
PL.40928	PL.40927	C	6 A (CWC)	7.33Y	122.1	0.00	2.91	4.03	3	28	8	96	0.00	0.0	5.109	0.037	28	8	4	4
PL.40929	PL.40928	C	6 A (CWC)	7.33Y	122.1	0.00	2.91	0.00	0	0	0	100	0.00	0.0	5.163	0.054	0	0	0	0
PL.40930	PL.40929	C	6 A (CWC)	7.33Y	122.1	0.00	2.91	0.00	0	0	0	100	0.00	0.0	5.201	0.038	0	0	0	0
PL.40696	PL.40927	C	#4 ACSR	7.33Y	122.1	0.00	2.91	3.25	3	23	7	96	0.00	0.0	5.130	0.059	23	7	3	3
PL.40769	PL.40479	ABC	#1/0 ACSR	7.33Y	122.1	0.01	2.89	11.94	5	252	75	96	0.01	0.0	4.987	0.033	0	0	0	43
PL.40931	PL.40769	ABC	#1/0 ACSR	7.33Y	122.1	0.00	2.89	11.94	5	252	74	96	0.00	0.0	4.993	0.006	0	0	0	43

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.6386	PL.40931	ABC	35L	7.33Y	122.1	0.00	2.89	11.94	34	252	74	96	0.00	0.0	4.993	0.006	0	0	0	43
PL.40586	PD.6386	ABC	#1/0 ACSR	7.33Y	122.1	0.00	2.90	11.94	5	252	74	96	0.01	0.0	5.008	0.016	0	0	0	43
PL.40587	PL.40586	C	#1/0 ACSR	7.33Y	122.1	0.00	2.90	1.01	0	7	2	96	0.00	0.0	5.014	0.006	0	0	0	1
PD.6264	PL.40587	C	40QA	7.33Y	122.1	0.00	2.90	1.01	3	7	2	96	0.00	0.0	5.014	0.006	0	0	0	1
PL.40588	PD.6264	C	#1/0 ACSR	7.33Y	122.1	0.00	2.90	1.01	0	7	2	96	0.00	0.0	5.027	0.013	7	2	1	1
PL.40589	PL.40586	ABC	#1/0 ACSR	7.33Y	122.1	0.01	2.90	11.60	5	244	72	96	0.02	0.0	5.050	0.042	0	0	0	42
PL.40590	PL.40589	A	#1/0 ACSR	7.33Y	122.1	0.00	2.90	0.00	0	0	0	100	0.00	0.0	5.056	0.006	0	0	0	0
PD.6363	PL.40590	A	40QA	7.33Y	122.1	0.00	2.90	0.00	0	0	0	100	0.00	0.0	5.056	0.006	0	0	0	0
PL.40591	PD.6363	A	#1/0 ACSR	7.33Y	122.1	0.00	2.90	0.00	0	0	0	100	0.00	0.0	5.088	0.032	0	0	0	0
PL.40592	PL.40589	ABC	#1/0 ACSR	7.32Y	122.0	0.07	2.98	11.60	5	244	72	96	0.13	0.1	5.403	0.352	0	0	0	42
PL.40595	PL.40592	ABC	#1/0 ACSR	7.32Y	122.0	0.01	2.99	11.20	5	236	70	96	0.02	0.0	5.467	0.064	9	3	1	40
PL.40596	PL.40595	ABC	#1/0 ACSR	7.32Y	122.0	0.04	3.03	10.78	5	227	67	96	0.06	0.0	5.646	0.179	0	0	0	39
PL.40728	PL.40596	ABC	#1/0 ACSR	7.32Y	122.0	0.00	3.03	2.40	1	51	15	96	0.00	0.0	5.706	0.060	0	0	0	8
PL.40601	PL.40728	B	6 A (CWC)	7.32Y	122.0	0.00	3.03	7.19	5	51	15	96	0.00	0.0	5.712	0.006	0	0	0	8
PD.6262	PL.40601	B	60QA	7.32Y	122.0	0.00	3.03	7.19	12	51	15	96	0.00	0.0	5.712	0.006	0	0	0	8
PL.40602	PD.6262	B	6 A (CWC)	7.31Y	121.9	0.05	3.08	7.19	5	51	15	96	0.02	0.0	5.887	0.175	10	3	2	8
PL.40603	PL.40602	B	6 A (CWC)	7.31Y	121.9	0.06	3.15	5.77	4	40	12	96	0.02	0.0	6.124	0.238	2	1	1	6
PL.59217	PL.40603	B	6 A (CWC)	7.31Y	121.8	0.05	3.20	5.47	4	38	11	96	0.02	0.0	6.341	0.216	0	0	0	5
PL.59220	PL.59217	B	6 A (CWC)	7.31Y	121.8	0.00	3.20	2.78	2	20	6	96	0.00	0.0	6.365	0.024	11	3	1	3
PL.59221	PL.59220	B	6 A (CWC)	7.31Y	121.8	0.02	3.22	1.19	1	8	2	97	0.00	0.0	6.776	0.411	1	0	1	2
PL.59218	PL.59221	B	6 A (CWC)	7.31Y	121.8	0.01	3.23	1.04	1	7	2	96	0.00	0.0	6.900	0.124	0	0	0	1
PL.60830	PL.59218	B	#1/0 ACSR	7.31Y	121.8	0.00	3.23	1.04	0	7	2	96	0.00	0.0	6.988	0.089	7	2	1	1
PL.59219	PL.59217	B	6 A (CWC)	7.31Y	121.8	0.02	3.22	2.68	2	19	6	95	0.00	0.0	6.522	0.182	0	0	0	2
PL.39673	PL.59219	B	6 A (CWC)	7.31Y	121.8	0.00	3.23	2.68	2	19	6	95	0.00	0.0	6.595	0.073	19	6	2	2
PL.40599	PL.40596	A	6 A (CWC)	7.32Y	122.0	0.01	3.03	22.94	16	161	48	96	0.01	0.0	5.652	0.006	0	0	0	28
PD.6263	PL.40599	A	60QA	7.32Y	122.0	0.00	3.03	22.94	38	161	48	96	0.00	0.0	5.652	0.006	0	0	0	28
PL.40600	PD.6263	A	6 A (CWC)	7.32Y	121.9	0.03	3.06	22.94	16	161	48	96	0.03	0.0	5.679	0.028	4	1	1	28
PL.59215	PL.40600	A	6 A (CWC)	7.31Y	121.8	0.12	3.18	22.35	16	157	46	96	0.14	0.1	5.793	0.114	3	1	1	27
PL.59216	PL.59215	A	6 A (CWC)	7.30Y	121.7	0.15	3.33	21.88	16	153	45	96	0.17	0.1	5.951	0.157	9	3	2	26
PL.39679	PL.59216	A	6 A (CWC)	7.29Y	121.5	0.12	3.45	20.59	15	144	43	96	0.13	0.1	6.080	0.129	5	2	2	24
PL.39680	PL.39679	A	6 A (CWC)	7.29Y	121.5	0.06	3.52	19.83	14	139	41	96	0.07	0.0	6.149	0.070	0	0	0	22

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.40013	PL.39680	A	6 A (CWC)	7.29Y	121.4	0.06	3.57	19.83	14	139	41	96	0.06	0.0	6.212	0.063	0	0	0	22
PL.40202	PL.40013	A	6 A (CWC)	7.29Y	121.4	0.00	3.57	0.32	0	2	1	89	0.00	0.0	6.256	0.044	2	1	1	1
PL.60646	PL.40013	A	6 A (CWC)	7.28Y	121.4	0.02	3.59	7.82	6	55	16	96	0.01	0.0	6.271	0.059	0	0	0	10
PL.60648	PL.60646	A	#1/0 ACSR	7.28Y	121.4	0.00	3.59	1.98	1	14	4	96	0.00	0.0	6.274	0.003	0	0	0	1
PD.9053	PL.60648	A	12T	7.28Y	121.4	0.00	3.59	1.98	0	14	4	96	0.00	0.0	6.274	0.003	0	0	0	1
PL.60680	PD.9053	A	#1/0 ACSR	7.28Y	121.4	0.00	3.60	1.98	1	14	4	96	0.00	0.0	6.451	0.177	14	4	1	1
PL.60647	PL.60646	A	6 A (CWC)	7.28Y	121.4	0.05	3.64	5.84	4	41	12	96	0.01	0.0	6.444	0.173	0	0	1	9
PL.40363	PL.60647	A	6 A (CWC)	7.28Y	121.3	0.04	3.68	5.78	4	40	12	96	0.01	0.0	6.594	0.151	0	0	0	8
PL.53020	PL.40363	A	6 A (CWC)	7.28Y	121.3	0.03	3.71	4.43	3	31	9	96	0.01	0.0	6.744	0.150	0	0	1	7
PL.53021	PL.53020	A	6 A (CWC)	7.28Y	121.3	0.02	3.73	4.40	3	31	9	96	0.00	0.0	6.823	0.078	0	0	0	6
PL.40364	PL.53021	A	6 A (CWC)	7.28Y	121.3	0.02	3.75	4.38	3	31	9	96	0.00	0.0	6.927	0.104	0	0	0	5
PL.40365	PL.40364	A	6 A (CWC)	7.27Y	121.2	0.01	3.75	4.38	3	31	9	96	0.00	0.0	6.959	0.032	0	0	0	5
PL.40366	PL.40365	A	6 A (CWC)	7.27Y	121.2	0.00	3.76	1.74	1	12	4	95	0.00	0.0	7.014	0.055	0	0	0	2
PL.40367	PL.40366	A	6 A (CWC)	7.27Y	121.2	0.00	3.76	1.72	1	12	4	95	0.00	0.0	7.051	0.037	12	4	1	1
PL.40742	PL.40366	A	6 A (CWC)	7.27Y	121.2	0.00	3.76	0.02	0	0	0	100	0.00	0.0	7.039	0.025	0	0	1	1
PL.40353	PL.40365	A	6 A (CWC)	7.27Y	121.2	0.00	3.76	2.64	2	18	5	96	0.00	0.0	7.032	0.073	18	5	3	3
PL.60664	PL.53021	A	#2 ACSR	7.28Y	121.3	0.00	3.73	0.03	0	0	0	100	0.00	0.0	6.871	0.048	0	0	0	1
PL.60666	PL.60664	A	#1/0 ACSR	7.28Y	121.3	0.00	3.73	0.03	0	0	0	100	0.00	0.0	6.914	0.043	0	0	1	1
PL.60665	PL.60664	A	#2 ACSR	7.28Y	121.3	0.00	3.73	0.00	0	0	0	100	0.00	0.0	6.962	0.091	0	0	0	0
PL.40578	PL.53021	A	#4 ACSR	7.28Y	121.3	0.00	3.73	0.00	0	0	0	100	0.00	0.0	6.944	0.121	0	0	0	0
PL.40203	PL.40363	A	6 A (CWC)	7.28Y	121.3	0.00	3.68	1.34	1	9	3	95	0.00	0.0	6.656	0.061	9	3	1	1
PL.40014	PL.40013	A	6 A (CWC)	7.28Y	121.4	0.07	3.64	11.69	8	82	24	96	0.04	0.1	6.351	0.138	7	2	1	11
PL.40015	PL.40014	A	6 A (CWC)	7.28Y	121.3	0.03	3.67	10.71	8	75	22	96	0.02	0.0	6.417	0.066	8	2	1	10
PL.40016	PL.40015	A	6 A (CWC)	7.28Y	121.3	0.02	3.69	9.51	7	66	20	96	0.01	0.0	6.454	0.038	0	0	0	9
PL.40358	PL.40016	A	6 A (CWC)	7.28Y	121.3	0.04	3.73	9.51	7	66	20	96	0.02	0.0	6.553	0.099	0	0	0	9
PL.40152	PL.40358	A	6 A (CWC)	7.28Y	121.3	0.00	3.74	1.63	1	11	3	96	0.00	0.0	6.589	0.035	11	3	1	1
PL.60676	PL.40358	A	6 A (CWC)	7.27Y	121.2	0.02	3.76	7.87	6	55	16	96	0.01	0.0	6.616	0.063	8	2	2	8
PL.60677	PL.60676	A	6 A (CWC)	7.27Y	121.2	0.04	3.79	6.79	5	47	14	96	0.01	0.0	6.736	0.120	0	0	0	6
PL.40359	PL.60677	A	6 A (CWC)	7.27Y	121.2	0.01	3.81	4.88	3	34	10	96	0.00	0.0	6.805	0.069	13	4	1	5
PL.40360	PL.40359	A	6 A (CWC)	7.27Y	121.2	0.01	3.82	3.02	2	21	6	96	0.00	0.0	6.899	0.094	2	1	1	4
PL.40813	PL.40360	A	6 A (CWC)	7.27Y	121.2	0.00	3.82	1.05	1	7	2	96	0.00	0.0	6.954	0.055	7	2	1	1

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.40361	PL.40360	A	6 A (CWC)	7.27Y	121.2	0.01	3.82	1.65	1	12	3	97	0.00	0.0	7.014	0.115	4	1	1	2
PL.40362	PL.40361	A	6 A (CWC)	7.27Y	121.2	0.00	3.83	1.06	1	7	2	96	0.00	0.0	7.096	0.082	7	2	1	1
PL.40559	PL.60677	A	6 A (CWC)	7.27Y	121.2	0.00	3.80	1.91	1	13	4	96	0.00	0.0	6.784	0.047	13	4	1	1
PL.40597	PL.40596	A	#1/0 ACSR	7.32Y	122.0	0.00	3.03	0.96	0	7	2	96	0.00	0.0	5.652	0.006	0	0	0	2
PD.6265	PL.40597	A	40QA	7.32Y	122.0	0.00	3.03	0.96	2	7	2	96	0.00	0.0	5.652	0.006	0	0	0	2
PL.40598	PD.6265	A	#1/0 ACSR	7.32Y	122.0	0.00	3.03	0.96	0	7	2	96	0.00	0.0	5.662	0.011	7	2	2	2
PL.40250	PL.40596	A	#1/0 ACSR	7.32Y	122.0	0.00	3.03	1.23	1	9	3	95	0.00	0.0	5.713	0.067	9	3	1	1
PL.40593	PL.40592	C	#1/0 ACSR	7.32Y	122.0	0.00	2.98	1.22	1	9	3	95	0.00	0.0	5.408	0.006	0	0	0	2
PD.6266	PL.40593	C	40QA	7.32Y	122.0	0.00	2.98	1.22	3	9	3	95	0.00	0.0	5.408	0.006	0	0	0	2
PL.40594	PD.6266	C	#1/0 ACSR	7.32Y	122.0	0.00	2.98	1.22	1	9	3	95	0.00	0.0	5.431	0.023	9	3	2	2
PL.40925	PL.40479	C	#4 ACSR	7.33Y	122.1	0.00	2.88	2.52	2	18	5	96	0.00	0.0	4.959	0.006	0	0	0	3
PD.6269	PL.40925	C	75QA	7.33Y	122.1	0.00	2.88	2.52	3	18	5	96	0.00	0.0	4.959	0.006	0	0	0	3
PL.40926	PD.6269	C	#4 ACSR	7.33Y	122.1	0.00	2.89	2.52	2	18	5	96	0.00	0.0	4.991	0.031	18	5	3	3
PL.40922	PL.40478	C	#2 ACSR	7.33Y	122.1	0.00	2.87	3.93	2	28	8	96	0.00	0.0	4.893	0.006	0	0	0	3
PD.6326	PL.40922	C	75QA	7.33Y	122.1	0.00	2.87	3.93	5	28	8	96	0.00	0.0	4.893	0.006	0	0	0	3
PL.40923	PD.6326	C	#2 ACSR	7.33Y	122.1	0.00	2.87	3.93	2	28	8	96	0.00	0.0	4.908	0.015	0	0	0	3
PL.40924	PL.40923	C	#2 ACSR	7.33Y	122.1	0.00	2.87	3.93	2	28	8	96	0.00	0.0	4.957	0.048	28	8	3	3
PL.40476	PL.40763	C	6 A (CWC)	7.33Y	122.2	0.00	2.85	0.00	0	0	0	100	0.00	0.0	4.820	0.006	0	0	0	0
PD.6364	PL.40476	C	75QA	7.33Y	122.2	0.00	2.85	0.00	0	0	0	100	0.00	0.0	4.820	0.006	0	0	0	0
PL.40477	PD.6364	C	6 A (CWC)	7.33Y	122.2	0.00	2.85	0.00	0	0	0	100	0.00	0.0	4.905	0.084	0	0	0	0
PL.40011	PL.40144	B	6 A (CWC)	7.34Y	122.3	0.00	2.73	0.38	0	3	1	95	0.00	0.0	4.416	0.006	0	0	0	1
PD.6268	PL.40011	B	75QA	7.34Y	122.3	0.00	2.73	0.38	1	3	1	95	0.00	0.0	4.416	0.006	0	0	0	1
PL.40760	PD.6268	B	6 A (CWC)	7.34Y	122.3	0.00	2.74	0.38	0	3	1	95	0.00	0.0	4.606	0.190	0	0	0	1
PL.40761	PL.40760	B	6 A (CWC)	7.34Y	122.3	0.00	2.74	0.38	0	3	1	95	0.00	0.0	4.880	0.274	3	1	1	1
PL.39681	PL.40314	C	6 A (CWC)	7.34Y	122.3	0.00	2.70	3.43	2	24	7	96	0.00	0.0	4.302	0.001	0	0	0	5
PD.6385	PL.39681	C	50L	7.34Y	122.3	0.00	2.70	3.43	7	24	7	96	0.00	0.0	4.302	0.001	0	0	0	5
PL.40577	PD.6385	C	6 A (CWC)	7.34Y	122.3	0.01	2.71	3.43	2	24	7	96	0.00	0.0	4.386	0.084	10	3	1	5
PL.40736	PL.40577	C	6 A (CWC)	7.34Y	122.3	0.03	2.74	1.98	1	14	4	96	0.00	0.0	4.661	0.276	0	0	0	4
PL.40737	PL.40736	C	6 A (CWC)	7.34Y	122.3	0.00	2.74	1.98	1	14	4	96	0.00	0.0	4.765	0.104	14	4	1	4
PL.39661	PL.40737	C	6 A (CWC)	7.34Y	122.3	0.00	2.74	0.06	0	0	0	100	0.00	0.0	4.919	0.154	0	0	2	3
PL.40747	PL.39661	C	6 A (CWC)	7.34Y	122.3	0.00	2.74	0.03	0	0	0	100	0.00	0.0	4.991	0.072	0	0	1	1

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Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.40748	PL.40747	C	6 A (CWC)	7.34Y	122.3	0.00	2.74	0.00	0	0	0	100	0.00	0.0	5.179	0.189	0	0	0	0
PL.40006	PL.40748	C	6 A (CWC)	7.34Y	122.3	0.00	2.74	0.00	0	0	0	100	0.00	0.0	5.330	0.151	0	0	0	0
PL.40387	PL.40736	C	#4 ACSR	7.34Y	122.3	0.00	2.74	0.00	0	0	0	100	0.00	0.0	4.718	0.057	0	0	0	0
PL.40731	PL.40341	B	#4 ACSR	7.36Y	122.7	0.00	2.35	1.00	1	7	2	96	0.00	0.0	3.473	0.006	0	0	0	2
PD.6307	PL.40731	B	25T	7.36Y	122.7	0.00	2.35	1.00	0	7	2	96	0.00	0.0	3.473	0.006	0	0	0	2
PL.40732	PD.6307	B	#4 ACSR	7.36Y	122.7	0.00	2.35	1.00	1	7	2	96	0.00	0.0	3.490	0.017	0	0	0	2
PL.40739	PL.40732	B	#4 ACSR	7.36Y	122.7	0.00	2.35	1.00	1	7	2	96	0.00	0.0	3.525	0.035	1	0	1	2
PL.40740	PL.40739	B	#4 ACSR	7.36Y	122.7	0.00	2.35	0.79	1	6	2	95	0.00	0.0	3.605	0.081	6	2	1	1
PL.40764	PL.40732	B	6 A (CWC)	7.36Y	122.7	0.00	2.35	0.00	0	0	0	100	0.00	0.0	3.524	0.034	0	0	0	0
PL.40729	PL.40340	C	#4 ACSR	7.36Y	122.7	0.00	2.31	3.31	3	23	7	96	0.00	0.0	3.400	0.006	0	0	0	2
PD.6308	PL.40729	C	75QA	7.36Y	122.7	0.00	2.31	3.31	4	23	7	96	0.00	0.0	3.400	0.006	0	0	0	2
PL.40730	PD.6308	C	#4 ACSR	7.36Y	122.7	0.00	2.32	3.31	3	23	7	96	0.00	0.0	3.459	0.060	23	7	2	2
PL.40687	PL.40339	C	#4 ACSR	7.37Y	122.8	0.00	2.22	1.56	1	11	3	96	0.00	0.0	3.199	0.006	0	0	0	1
PD.6309	PL.40687	C	75QA	7.37Y	122.8	0.00	2.22	1.56	2	11	3	96	0.00	0.0	3.199	0.006	0	0	0	1
PL.40688	PD.6309	C	#4 ACSR	7.37Y	122.8	0.01	2.23	1.56	1	11	3	96	0.00	0.0	3.371	0.172	11	3	1	1
PL.40012	PL.40176	ABC	336 MCM AC	7.37Y	122.8	0.01	2.16	22.04	4	467	139	96	0.03	0.0	3.098	0.064	0	0	0	79
PL.40400	PL.40012	ABC	#1/0 ACSR	7.37Y	122.8	0.00	2.16	22.04	10	467	139	96	0.01	0.0	3.103	0.006	0	0	0	79
PD.6115-A	PL.40400	ABC	Closed	7.37Y	122.8	0.00	2.16	22.04	0	467	139	96	0.00	0.0	3.103	0.006	0	0	0	79
PD.6115-B	PD.6115-A	ABC	Closed	7.37Y	122.8	0.00	2.16	22.04	0	467	139	96	0.00	0.0	3.103	0.006	0	0	0	79
PL.63363	PD.6115-B	ABC	#1/0 ACSR	7.37Y	122.8	0.01	2.17	22.04	10	467	139	96	0.03	0.0	3.125	0.021	0	0	0	79
PL.63364	PL.63363	ABC	#1/0 ACSR	7.37Y	122.8	0.00	2.17	22.04	10	467	139	96	0.00	0.0	3.125	0.000	0	0	0	79
PL.63365	PL.63364	ABC	#1/0 ACSR	7.36Y	122.7	0.16	2.32	21.60	9	458	136	96	0.49	0.1	3.520	0.395	0	0	0	78
PL.40562	PL.63365	ABC	#1/0 ACSR	7.36Y	122.7	0.01	2.34	13.72	6	290	86	96	0.03	0.0	3.577	0.057	0	0	0	53
PL.40398	PL.40562	ABC	#1/0 ACSR	7.36Y	122.7	0.00	2.34	13.72	6	290	86	96	0.00	0.0	3.583	0.006	0	0	0	53
PD.6387	PL.40398	ABC	50L	7.36Y	122.7	0.00	2.34	13.72	27	290	86	96	0.00	0.0	3.583	0.006	0	0	0	53
PL.60686	PD.6387	ABC	#1/0 ACSR	7.36Y	122.6	0.04	2.38	13.72	6	290	86	96	0.07	0.0	3.730	0.147	10	3	1	53
PL.60687	PL.60686	ABC	#1/0 ACSR	7.35Y	122.6	0.06	2.43	13.25	6	280	83	96	0.11	0.0	3.970	0.240	0	0	0	52
PL.40022	PL.60687	ABC	#1/0 ACSR	7.35Y	122.5	0.03	2.46	13.25	6	280	83	96	0.05	0.0	4.081	0.111	0	0	0	52
PL.40023	PL.40022	ABC	#1/0 ACSR	7.35Y	122.5	0.02	2.48	12.28	5	260	77	96	0.04	0.0	4.189	0.108	0	0	1	50
PL.40024	PL.40023	ABC	#1/0 ACSR	7.35Y	122.5	0.01	2.49	12.27	5	260	77	96	0.01	0.0	4.225	0.036	0	0	0	49
PL.39674	PL.40024	A	#1/0 ACSR	7.35Y	122.5	0.00	2.49	10.76	5	76	22	96	0.00	0.0	4.230	0.006	0	0	0	13

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.6325	PL.39674	A	30T	7.35Y	122.5	0.00	2.49	10.76	0	76	22	96	0.00	0.0	4.230	0.006	0	0	0	13
PL.41051	PD.6325	A	#1/0 ACSR	7.35Y	122.5	0.02	2.51	10.76	5	76	22	96	0.01	0.0	4.306	0.076	9	3	1	13
PL.39671	PL.41051	A	#1/0 ACSR	7.35Y	122.5	0.02	2.53	9.44	4	67	20	96	0.01	0.0	4.401	0.095	0	0	0	12
PL.39672	PL.39671	A	#1/0 ACSR	7.35Y	122.4	0.04	2.57	8.34	4	59	17	96	0.01	0.0	4.592	0.191	0	0	0	11
PL.40383	PL.39672	A	#1/0 ACSR	7.35Y	122.4	0.00	2.57	6.18	3	44	13	96	0.00	0.0	4.629	0.038	8	2	2	9
PL.40252	PL.40383	A	#1/0 ACSR	7.35Y	122.4	0.01	2.58	5.02	2	35	10	96	0.00	0.0	4.685	0.055	11	3	1	7
PL.40253	PL.40252	A	#1/0 ACSR	7.34Y	122.4	0.00	2.59	3.48	2	25	7	96	0.00	0.0	4.744	0.059	0	0	0	6
PL.40228	PL.40253	A	#1/0 ACSR	7.34Y	122.4	0.00	2.59	0.01	0	0	0	100	0.00	0.0	4.767	0.023	0	0	1	1
PL.40254	PL.40253	A	#1/0 ACSR	7.34Y	122.4	0.01	2.59	3.47	2	24	7	96	0.00	0.0	4.859	0.115	3	1	3	5
PL.60827	PL.40254	A	#1/0 ACSR	7.34Y	122.4	0.00	2.60	3.04	1	21	6	96	0.00	0.0	4.895	0.037	0	0	0	2
PL.63144	PL.60827	A	6 A (CWC)	7.34Y	122.4	0.00	2.60	2.18	2	15	5	95	0.00	0.0	4.936	0.041	0	0	0	1
PL.63145	PL.63144	A	6 A (CWC)	7.34Y	122.4	0.00	2.60	2.18	2	15	5	95	0.00	0.0	4.936	0.000	15	5	1	1
PL.60828	PL.60827	A	#1/0 ACSR	7.34Y	122.4	0.00	2.60	0.86	0	6	2	95	0.00	0.0	4.928	0.033	0	0	0	1
PL.60829	PL.60828	A	#1/0 ACSR	7.34Y	122.4	0.00	2.60	0.86	0	6	2	95	0.00	0.0	5.025	0.097	6	2	1	1
PL.40738	PL.39672	A	6 A (CWC)	7.35Y	122.4	0.01	2.58	2.16	2	15	4	97	0.00	0.0	4.681	0.089	10	3	1	2
PL.40382	PL.40738	A	6 A (CWC)	7.35Y	122.4	0.00	2.58	0.80	1	6	2	95	0.00	0.0	4.723	0.042	6	2	1	1
PL.40749	PL.39671	A	#1/0 ACSR	7.35Y	122.5	0.00	2.53	1.10	0	8	2	97	0.00	0.0	4.472	0.071	8	2	1	1
PL.40190	PL.40024	ABC	#1/0 ACSR	7.35Y	122.5	0.03	2.52	8.68	4	184	54	96	0.04	0.0	4.418	0.193	0	0	0	36
PL.40260	PL.40190	ABC	#1/0 ACSR	7.35Y	122.5	0.01	2.53	8.37	4	177	52	96	0.01	0.0	4.485	0.066	0	0	0	34
PL.40261	PL.40260	ABC	#1/0 ACSR	7.35Y	122.4	0.03	2.56	8.18	4	173	51	96	0.04	0.0	4.699	0.214	0	0	0	33
PL.40416	PL.40261	ABC	#1/0 ACSR	7.34Y	122.4	0.02	2.59	8.18	4	173	51	96	0.03	0.0	4.855	0.157	0	0	0	32
PL.40421	PL.40416	ABC	#1/0 ACSR	7.34Y	122.4	0.01	2.60	7.82	3	165	49	96	0.02	0.0	4.957	0.102	7	2	1	30
PL.40422	PL.40421	ABC	#1/0 ACSR	7.34Y	122.4	0.01	2.61	7.51	3	159	47	96	0.01	0.0	5.050	0.092	0	0	0	29
PL.40423	PL.40422	ABC	#1/0 ACSR	7.34Y	122.4	0.01	2.62	7.51	3	159	47	96	0.01	0.0	5.098	0.049	0	0	0	29
PL.39649	PL.40423	ABC	#1/0 ACSR	7.34Y	122.4	0.03	2.65	6.87	3	145	43	96	0.03	0.0	5.323	0.224	0	0	0	28
PL.62429	PL.39649	ABC	#1/0 ACSR	7.34Y	122.3	0.03	2.68	6.72	3	142	42	96	0.03	0.0	5.542	0.219	0	0	0	27
PL.62430	PL.62429	A	6 A (CWC)	7.34Y	122.3	0.00	2.68	1.77	1	12	4	95	0.00	0.0	5.547	0.006	0	0	0	1
PD.9335	PL.62430	A	40QA	7.34Y	122.3	0.00	2.68	1.77	4	12	4	95	0.00	0.0	5.547	0.006	0	0	0	1
PL.39653	PD.9335	A	6 A (CWC)	7.34Y	122.3	0.00	2.68	1.77	1	12	4	95	0.00	0.0	5.587	0.040	12	4	1	1
PL.52042	PL.39653	A	6 A (CWC)	7.34Y	122.3	0.00	2.68	0.00	0	0	0	100	0.00	0.0	5.594	0.007	0	0	0	0
PD.8022-A	PL.52042	A	Open	7.34Y	122.3	0.00	2.68	0.00	0	0	0	100	0.00	0.0	5.594	0.007	0	0	0	0

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

Balanced Voltage Drop Report  
Source: Eberle

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.62849	PL.62429	C	6 A (CWC)	7.34Y	122.3	0.01	2.68	18.40	13	130	38	96	0.01	0.0	5.548	0.006	0	0	0	26
PD.9434	PL.62849	C	35L	7.34Y	122.3	0.00	2.68	18.40	53	130	38	96	0.00	0.0	5.548	0.006	0	0	0	26
PL.62852	PD.9434	C	6 A (CWC)	7.34Y	122.3	0.02	2.70	18.40	13	130	38	96	0.02	0.0	5.572	0.024	0	0	0	26
PL.62854	PL.62852	C	#2 ACSR	7.34Y	122.3	0.00	2.70	0.96	1	7	2	96	0.00	0.0	5.601	0.029	7	2	3	3
PL.62851	PL.62852	C	6 A (CWC)	7.31Y	121.9	0.40	3.10	17.45	12	123	36	96	0.36	0.3	6.085	0.513	6	2	1	23
PL.62850	PL.62851	C	6 A (CWC)	7.31Y	121.8	0.07	3.18	5.83	4	41	12	96	0.02	0.1	6.362	0.277	0	0	0	6
PL.64554	PL.62850	C	6 A (CWC)	7.31Y	121.8	0.00	3.18	0.00	0	0	0	100	0.00	0.0	6.403	0.041	0	0	0	0
PL.64555	PL.64554	C	6 A (CWC)	7.31Y	121.8	0.00	3.18	0.00	0	0	0	100	0.00	0.0	6.403	0.000	0	0	0	0
PL.40711	PL.62850	C	6 A (CWC)	7.31Y	121.8	0.03	3.20	5.83	4	41	12	96	0.01	0.0	6.457	0.094	0	0	0	6
PL.40714	PL.40711	C	6 A (CWC)	7.31Y	121.8	0.01	3.22	4.15	3	29	9	96	0.00	0.0	6.540	0.084	16	5	2	4
PL.39667	PL.40714	C	6 A (CWC)	7.31Y	121.8	0.01	3.23	1.86	1	13	4	96	0.00	0.0	6.701	0.161	0	0	0	2
PL.39668	PL.39667	C	6 A (CWC)	7.31Y	121.8	0.01	3.24	1.00	1	7	2	96	0.00	0.0	6.963	0.262	7	2	1	1
PL.39669	PL.39667	C	6 A (CWC)	7.31Y	121.8	0.00	3.23	0.85	1	6	2	95	0.00	0.0	6.759	0.058	6	2	1	1
PL.39670	PL.39669	C	6 A (CWC)	7.31Y	121.8	0.00	3.23	0.00	0	0	0	100	0.00	0.0	6.864	0.105	0	0	0	0
PL.40712	PL.40711	C	6 A (CWC)	7.31Y	121.8	0.00	3.21	1.68	1	12	3	97	0.00	0.0	6.513	0.057	0	0	0	2
PL.40229	PL.40712	C	6 A (CWC)	7.31Y	121.8	0.00	3.21	1.11	1	8	2	97	0.00	0.0	6.592	0.078	8	2	1	1
PL.40713	PL.40712	C	6 A (CWC)	7.31Y	121.8	0.00	3.21	0.58	0	4	1	97	0.00	0.0	6.586	0.073	4	1	1	1
PL.62853	PL.62851	C	6 A (CWC)	7.31Y	121.9	0.00	3.11	10.79	8	76	22	96	0.00	0.0	6.089	0.003	0	0	0	16
PD.8651	PL.62853	C	25QA	7.31Y	121.9	0.00	3.11	10.79	43	76	22	96	0.00	0.0	6.089	0.003	0	0	0	16
PL.58810	PD.8651	C	#1/0 ACSR	7.31Y	121.9	0.04	3.15	10.79	5	76	22	96	0.02	0.0	6.245	0.156	0	0	0	16
PL.58811	PL.58810	C	#2 ACSR	7.31Y	121.9	0.00	3.15	1.62	1	11	3	96	0.00	0.0	6.248	0.004	0	0	0	2
PD.8652	PL.58811	C	10QA	7.31Y	121.9	0.00	3.15	1.62	0	11	3	96	0.00	0.0	6.248	0.004	0	0	0	2
PL.58812	PD.8652	C	#2 ACSR	7.31Y	121.9	0.00	3.15	1.62	1	11	3	96	0.00	0.0	6.277	0.028	11	3	2	2
PL.58813	PL.58810	C	#1/0 ACSR	7.31Y	121.9	0.00	3.15	2.72	1	19	6	95	0.00	0.0	6.248	0.003	0	0	0	4
PD.8653	PL.58813	C	10QA	7.31Y	121.9	0.00	3.15	2.72	0	19	6	95	0.00	0.0	6.248	0.003	0	0	0	4
PL.58814	PD.8653	C	#1/0 ACSR	7.31Y	121.9	0.00	3.15	2.72	1	19	6	95	0.00	0.0	6.301	0.052	9	3	2	4
PL.58820	PL.58814	C	#1/0 ACSR	7.31Y	121.9	0.00	3.15	1.45	1	10	3	96	0.00	0.0	6.377	0.077	10	3	2	2
PL.58815	PL.58810	C	#1/0 ACSR	7.31Y	121.8	0.01	3.16	6.45	3	45	13	96	0.00	0.0	6.325	0.080	12	4	2	10
PL.58816	PL.58815	C	#2 ACSR	7.31Y	121.8	0.00	3.16	0.46	0	3	1	95	0.00	0.0	6.329	0.004	0	0	0	1
PD.8654	PL.58816	C	10T	7.31Y	121.8	0.00	3.16	0.46	0	3	1	95	0.00	0.0	6.329	0.004	0	0	0	1
PL.58817	PD.8654	C	#2 ACSR	7.31Y	121.8	0.00	3.16	0.46	0	3	1	95	0.00	0.0	6.366	0.037	3	1	1	1

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.58818	PL.58815	C	#1/0 ACSR	7.31Y	121.8	0.00	3.16	0.52	0	4	1	97	0.00	0.0	6.352	0.027	0	0	0	2
PD.8655	PL.58818	C	10T	7.31Y	121.8	0.00	3.16	0.52	0	4	1	97	0.00	0.0	6.352	0.027	0	0	0	2
PL.58819	PD.8655	C	#1/0 ACSR	7.31Y	121.8	0.00	3.16	0.52	0	4	1	97	0.00	0.0	6.387	0.035	0	0	0	2
PL.58821	PL.58819	C	#1/0 ACSR	7.31Y	121.8	0.00	3.16	0.31	0	2	1	89	0.00	0.0	6.433	0.045	2	1	1	1
PL.58822	PL.58819	C	#1/0 ACSR	7.31Y	121.8	0.00	3.16	0.22	0	2	0	100	0.00	0.0	6.583	0.196	2	0	1	1
PL.58823	PL.58815	C	#1/0 ACSR	7.31Y	121.8	0.01	3.16	3.69	2	26	8	96	0.00	0.0	6.424	0.099	13	4	3	5
PL.58749	PL.58823	C	#1/0 ACSR	7.31Y	121.8	0.00	3.16	1.82	1	13	4	96	0.00	0.0	6.474	0.049	0	0	0	2
PL.58750	PL.58749	C	#1/0 ACSR	7.31Y	121.8	0.00	3.16	0.90	0	6	2	95	0.00	0.0	6.477	0.004	0	0	0	1
PD.8656	PL.58750	C	10QA	7.31Y	121.8	0.00	3.16	0.90	0	6	2	95	0.00	0.0	6.477	0.004	0	0	0	1
PL.58751	PD.8656	C	#1/0 ACSR	7.31Y	121.8	0.00	3.17	0.90	0	6	2	95	0.00	0.0	6.540	0.063	6	2	1	1
PL.58752	PL.58749	C	#1/0 ACSR	7.31Y	121.8	0.00	3.17	0.92	0	6	2	95	0.00	0.0	6.724	0.250	6	2	1	1
PL.40308	PL.39649	C	#1/0 ACSR	7.34Y	122.4	0.00	2.65	0.00	0	0	0	100	0.00	0.0	5.354	0.031	0	0	0	0
PL.39650	PL.39649	A	#1/0 ACSR	7.34Y	122.4	0.00	2.65	0.44	0	3	1	95	0.00	0.0	5.328	0.006	0	0	0	1
PD.6371	PL.39650	A	25QA	7.34Y	122.4	0.00	2.65	0.44	2	3	1	95	0.00	0.0	5.328	0.006	0	0	0	1
PL.39651	PD.6371	A	#1/0 ACSR	7.34Y	122.3	0.00	2.65	0.44	0	3	1	95	0.00	0.0	5.408	0.080	3	1	1	1
PL.39652	PL.39651	A	#1/0 ACSR	7.34Y	122.3	0.00	2.65	0.00	0	0	0	100	0.00	0.0	5.472	0.063	0	0	0	0
PL.40424	PL.40423	C	#2 ACSR	7.34Y	122.4	0.00	2.62	1.92	1	14	4	96	0.00	0.0	5.104	0.006	0	0	0	1
PD.6336	PL.40424	C	25QA	7.34Y	122.4	0.00	2.62	1.92	8	14	4	96	0.00	0.0	5.104	0.006	0	0	0	1
PL.40425	PD.6336	C	#2 ACSR	7.34Y	122.4	0.00	2.62	1.92	1	14	4	96	0.00	0.0	5.142	0.038	0	0	0	1
PL.40426	PL.40425	C	#2 ACSR	7.34Y	122.4	0.00	2.63	1.92	1	14	4	96	0.00	0.0	5.239	0.097	14	4	1	1
PL.40417	PL.40416	A	6 A (CWC)	7.34Y	122.4	0.00	2.59	0.12	0	1	0	100	0.00	0.0	4.861	0.006	0	0	0	1
PD.6237	PL.40417	A	25QA	7.34Y	122.4	0.00	2.59	0.12	0	1	0	100	0.00	0.0	4.861	0.006	0	0	0	1
PL.40418	PD.6237	A	6 A (CWC)	7.34Y	122.4	0.00	2.59	0.12	0	1	0	100	0.00	0.0	5.038	0.177	1	0	1	1
PL.40419	PL.40416	A	6 A (CWC)	7.34Y	122.4	0.00	2.59	0.93	1	7	2	96	0.00	0.0	4.861	0.006	0	0	0	1
PD.6324	PL.40419	A	25QA	7.34Y	122.4	0.00	2.59	0.93	4	7	2	96	0.00	0.0	4.861	0.006	0	0	0	1
PL.40420	PD.6324	A	6 A (CWC)	7.34Y	122.4	0.00	2.59	0.93	1	7	2	96	0.00	0.0	4.945	0.084	7	2	1	1
PL.40157	PL.40261	A	#1/0 ACSR	7.35Y	122.4	0.00	2.56	0.00	0	0	0	100	0.00	0.0	4.704	0.006	0	0	0	1
PD.6238	PL.40157	A	25QA	7.35Y	122.4	0.00	2.56	0.00	0	0	0	100	0.00	0.0	4.704	0.006	0	0	0	1
PL.40415	PD.6238	A	#1/0 ACSR	7.35Y	122.4	0.00	2.56	0.00	0	0	0	100	0.00	0.0	4.777	0.073	0	0	1	1
PL.40257	PL.40260	A	#1/0 ACSR	7.35Y	122.5	0.00	2.53	0.57	0	4	1	97	0.00	0.0	4.490	0.006	0	0	0	1
PD.6239	PL.40257	A	25QA	7.35Y	122.5	0.00	2.53	0.57	2	4	1	97	0.00	0.0	4.490	0.006	0	0	0	1

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Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky  
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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.40258	PD.6239	A	#1/0 ACSR	7.35Y	122.5	0.00	2.53	0.57	0	4	1	97	0.00	0.0	4.544	0.054	4	1	1	1
PL.40259	PL.40258	A	#1/0 ACSR	7.35Y	122.5	0.00	2.53	0.00	0	0	0	100	0.00	0.0	4.649	0.105	0	0	0	0
PL.40025	PL.40190	A	#1/0 ACSR	7.35Y	122.5	0.00	2.52	0.94	0	7	2	96	0.00	0.0	4.424	0.006	0	0	0	2
PD.6260	PL.40025	A	40QA	7.35Y	122.5	0.00	2.52	0.94	2	7	2	96	0.00	0.0	4.424	0.006	0	0	0	2
PL.40026	PD.6260	A	#1/0 ACSR	7.35Y	122.5	0.00	2.52	0.94	0	7	2	96	0.00	0.0	4.437	0.013	0	0	0	2
PL.40027	PL.40026	A	#1/0 ACSR	7.35Y	122.5	0.00	2.52	0.94	0	7	2	96	0.00	0.0	4.561	0.124	7	2	2	2
PL.40701	PL.40026	A	6 A (CWC)	7.35Y	122.5	0.00	2.52	0.00	0	0	0	100	0.00	0.0	4.535	0.098	0	0	0	0
PL.40020	PL.40022	A	6 A (CWC)	7.35Y	122.5	0.00	2.46	2.90	2	20	6	96	0.00	0.0	4.087	0.006	0	0	0	2
PD.6261	PL.40020	A	40QA	7.35Y	122.5	0.00	2.46	2.90	7	20	6	96	0.00	0.0	4.087	0.006	0	0	0	2
PL.40021	PD.6261	A	6 A (CWC)	7.35Y	122.5	0.02	2.48	2.90	2	20	6	96	0.00	0.0	4.348	0.261	20	6	2	2
PL.40399	PL.63365	B	6 A (CWC)	7.36Y	122.7	0.01	2.33	23.65	17	167	49	96	0.01	0.0	3.526	0.006	0	0	0	25
PD.6388	PL.40399	B	50L	7.36Y	122.7	0.00	2.33	23.65	47	167	49	96	0.00	0.0	3.526	0.006	0	0	0	25
PL.40401	PD.6388	B	6 A (CWC)	7.35Y	122.5	0.12	2.45	23.65	17	167	49	96	0.15	0.1	3.639	0.113	6	2	1	25
PL.40017	PL.40401	B	6 A (CWC)	7.34Y	122.4	0.15	2.60	22.75	16	160	47	96	0.18	0.1	3.781	0.141	0	0	0	24
PL.40734	PL.40017	B	6 A (CWC)	7.34Y	122.4	0.00	2.60	1.05	1	7	2	96	0.00	0.0	3.834	0.054	7	2	1	1
PL.40018	PL.40017	B	6 A (CWC)	7.34Y	122.3	0.06	2.66	21.70	16	153	45	96	0.07	0.0	3.840	0.059	0	0	0	23
PL.60739	PL.40018	B	#4 ACSR	7.34Y	122.3	0.01	2.66	3.04	2	21	6	96	0.00	0.0	3.925	0.085	21	6	4	4
PL.40019	PL.40018	B	6 A (CWC)	7.33Y	122.1	0.21	2.87	18.67	13	131	39	96	0.21	0.2	4.093	0.253	6	2	1	19
PL.40245	PL.40019	B	6 A (CWC)	7.32Y	122.0	0.12	2.99	12.50	9	88	26	96	0.08	0.1	4.294	0.201	0	0	0	13
PL.40337	PL.40245	B	#2 ACSR	7.32Y	122.0	0.01	3.00	4.68	3	33	10	96	0.00	0.0	4.365	0.071	0	0	0	5
PL.40246	PL.40337	B	6 A (CWC)	7.32Y	122.0	0.00	3.00	0.45	0	3	1	95	0.00	0.0	4.530	0.165	3	1	1	1
PL.40338	PL.40337	B	#2 ACSR	7.32Y	122.0	0.01	3.01	4.23	2	30	9	96	0.00	0.0	4.515	0.150	21	6	3	4
PL.40404	PL.40338	B	6 A (CWC)	7.32Y	122.0	0.01	3.01	1.30	1	9	3	95	0.00	0.0	4.603	0.088	0	0	0	1
PL.40405	PL.40404	B	6 A (CWC)	7.32Y	122.0	0.00	3.01	0.00	0	0	0	100	0.00	0.0	4.774	0.171	0	0	0	0
PL.40244	PL.40405	B	#2 ACSR	7.32Y	122.0	0.00	3.01	0.00	0	0	0	100	0.00	0.0	4.824	0.050	0	0	0	0
PL.40406	PL.40405	B	6 A (CWC)	7.32Y	122.0	0.00	3.01	0.00	0	0	0	100	0.00	0.0	5.022	0.248	0	0	0	0
PL.40300	PL.40404	B	#4 ACSR	7.32Y	122.0	0.00	3.02	1.30	1	9	3	95	0.00	0.0	4.668	0.065	9	3	1	1
PL.40694	PL.40245	B	#2 ACSR	7.32Y	122.0	0.05	3.03	7.82	4	55	16	96	0.02	0.0	4.525	0.232	17	5	1	8
PL.40695	PL.40694	B	6 A (CWC)	7.32Y	121.9	0.02	3.05	5.41	4	38	11	96	0.01	0.0	4.606	0.081	0	0	0	7
PL.40725	PL.40695	B	6 A (CWC)	7.32Y	121.9	0.02	3.07	4.28	3	30	9	96	0.00	0.0	4.707	0.101	0	0	0	6
PL.40726	PL.40725	B	6 A (CWC)	7.32Y	121.9	0.00	3.08	2.00	1	14	4	96	0.00	0.0	4.749	0.042	0	0	0	4

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.60649	PL.40726	B	#1/0 ACSR	7.32Y	121.9	0.00	3.08	1.23	1	9	3	95	0.00	0.0	4.791	0.042	9	3	3	3
PL.63370	PL.40726	B	#1/0 ACSR	7.32Y	121.9	0.00	3.08	0.77	0	5	2	93	0.00	0.0	4.806	0.057	5	2	1	1
PL.40814	PL.40725	B	#4 ACSR	7.32Y	121.9	0.00	3.08	2.28	2	16	5	95	0.00	0.0	4.738	0.032	10	3	1	2
PL.40815	PL.40814	B	#4 ACSR	7.32Y	121.9	0.00	3.08	0.91	1	6	2	95	0.00	0.0	4.809	0.070	6	2	1	1
PL.40806	PL.40695	B	6 A (CWC)	7.32Y	121.9	0.00	3.06	1.13	1	8	2	97	0.00	0.0	4.637	0.031	8	2	1	1
PL.40304	PL.40019	B	6 A (CWC)	7.32Y	122.1	0.07	2.94	5.30	4	37	11	96	0.02	0.1	4.397	0.305	0	0	1	5
PL.40305	PL.40304	B	6 A (CWC)	7.32Y	122.0	0.02	2.97	5.28	4	37	11	96	0.01	0.0	4.490	0.093	0	0	0	4
PL.40582	PL.40305	B	6 A (CWC)	7.32Y	122.0	0.03	2.99	1.90	1	13	4	96	0.00	0.0	4.796	0.306	0	0	0	1
PL.40583	PL.40582	B	6 A (CWC)	7.32Y	122.0	0.00	3.00	1.90	1	13	4	96	0.00	0.0	4.849	0.053	13	4	1	1
PL.40584	PL.40582	B	#4 ACSR	7.32Y	122.0	0.00	2.99	0.00	0	0	0	100	0.00	0.0	4.836	0.040	0	0	0	0
PL.40585	PL.40584	B	#4 ACSR	7.32Y	122.0	0.00	2.99	0.00	0	0	0	100	0.00	0.0	4.963	0.128	0	0	0	0
PL.40306	PL.40305	B	6 A (CWC)	7.32Y	122.0	0.01	2.98	3.38	2	24	7	96	0.00	0.0	4.597	0.107	13	4	1	3
PL.40283	PL.40306	B	#4 ACSR	7.32Y	122.0	0.00	2.98	1.39	1	10	3	96	0.00	0.0	4.666	0.069	10	3	1	1
PL.40388	PL.40306	B	6 A (CWC)	7.32Y	122.0	0.00	2.98	0.00	0	0	0	100	0.00	0.0	4.732	0.135	0	0	0	0
PL.40179	PL.40306	B	6 A (CWC)	7.32Y	122.0	0.00	2.98	0.08	0	1	0	100	0.00	0.0	4.687	0.090	0	0	0	1
PL.40580	PL.40179	B	6 A (CWC)	7.32Y	122.0	0.00	2.98	0.00	0	0	0	100	0.00	0.0	4.693	0.006	0	0	0	0
PD.6321	PL.40580	B	40QA	7.32Y	122.0	0.00	2.98	0.00	0	0	0	100	0.00	0.0	4.693	0.006	0	0	0	0
PL.40581	PD.6321	B	6 A (CWC)	7.32Y	122.0	0.00	2.98	0.00	0	0	0	100	0.00	0.0	4.748	0.055	0	0	0	0
PL.40180	PL.40179	B	6 A (CWC)	7.32Y	122.0	0.00	2.98	0.08	0	1	0	100	0.00	0.0	4.693	0.006	0	0	0	1
PD.6322	PL.40180	B	10QA	7.32Y	122.0	0.00	2.98	0.08	0	1	0	100	0.00	0.0	4.693	0.006	0	0	0	1
PL.40181	PD.6322	B	6 A (CWC)	7.32Y	122.0	0.00	2.98	0.08	0	1	0	100	0.00	0.0	4.723	0.030	1	0	1	1
PL.63366	PL.63364	B	#1/0 ACSR	7.37Y	122.8	0.00	2.17	1.31	1	9	3	95	0.00	0.0	3.129	0.004	0	0	0	1
PD.9416	PL.63366	B	10T	7.37Y	122.8	0.00	2.17	1.31	0	9	3	95	0.00	0.0	3.129	0.004	0	0	0	1
PL.63367	PD.9416	B	#1/0 ACSR	7.37Y	122.8	0.00	2.17	1.31	1	9	3	95	0.00	0.0	3.200	0.071	9	3	1	1
CP.91	PL.60682	ABC	Cap (300)	7.38Y	122.9	0.00	2.07	0.00	0	0	0	100	0.00	0.0	2.865	0.071	0	0	0	0
PL.60684	PL.60683	C	#4 ACSR	7.38Y	123.1	0.00	1.94	6.15	5	44	13	96	0.00	0.0	2.573	0.006	0	0	0	7
PD.6235	PL.60684	C	75QA	7.38Y	123.1	0.00	1.94	6.15	8	44	13	96	0.00	0.0	2.573	0.006	0	0	0	7
PL.40218	PD.6235	C	#4 ACSR	7.38Y	123.0	0.03	1.96	6.15	5	44	13	96	0.01	0.0	2.681	0.108	13	4	2	7
PL.40219	PL.40218	C	#4 ACSR	7.38Y	123.0	0.00	1.97	4.31	3	31	9	96	0.00	0.0	2.701	0.020	0	0	0	5
PL.40220	PL.40219	C	#4 ACSR	7.38Y	123.0	0.00	1.97	1.18	1	8	2	97	0.00	0.0	2.747	0.046	0	0	1	2
PL.40221	PL.40220	C	#4 ACSR	7.38Y	123.0	0.00	1.97	1.16	1	8	2	97	0.00	0.0	2.789	0.042	8	2	1	1

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Balanced Voltage Drop Report  
Source: Eberle

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.40222	PL.40219	C	6 A (CWC)	7.38Y	123.0	0.02	1.99	3.14	2	22	7	95	0.00	0.0	2.888	0.187	4	1	1	3
PL.40223	PL.40222	C	6 A (CWC)	7.38Y	123.0	0.01	2.00	2.52	2	18	5	96	0.00	0.0	2.957	0.069	12	3	1	2
PL.40334	PL.40223	C	6 A (CWC)	7.38Y	123.0	0.00	2.00	0.88	1	6	2	95	0.00	0.0	3.014	0.057	6	2	1	1
PL.40192	PL.40217	A	#2 ACSR	7.39Y	123.1	0.00	1.90	0.14	0	1	0	100	0.00	0.0	2.541	0.057	1	0	1	1
PL.63078	PL.40215	A	#4 ACSR	7.39Y	123.2	0.00	1.84	0.06	0	0	0	100	0.00	0.0	2.412	0.045	0	0	1	1
PL.63079	PL.63078	A	#4 ACSR	7.39Y	123.2	0.00	1.84	0.00	0	0	0	100	0.00	0.0	2.444	0.032	0	0	0	0
PL.40503	PL.40502	ABC	336 MCM AC	7.39Y	123.2	0.00	1.78	33.38	6	709	214	96	0.01	0.0	2.239	0.006	0	0	0	108
PD.6383	PL.40503	ABC	70L	7.39Y	123.2	0.00	1.78	33.38	48	709	214	96	0.00	0.0	2.239	0.006	0	0	0	108
PL.40504	PD.6383	ABC	336 MCM AC	7.39Y	123.1	0.09	1.87	33.38	6	709	214	96	0.34	0.0	2.600	0.361	6	2	1	108
PL.40439	PL.40504	ABC	336 MCM AC	7.38Y	123.0	0.10	1.97	31.84	6	676	203	96	0.34	0.0	3.004	0.404	19	6	4	104
PL.40440	PL.40439	ABC	336 MCM AC	7.38Y	123.0	0.03	2.00	30.94	6	656	197	96	0.11	0.0	3.142	0.138	0	0	0	100
PL.63343	PL.40440	C	#2 ACSR	7.38Y	123.0	0.00	2.00	1.13	1	8	2	97	0.00	0.0	3.187	0.045	0	0	0	1
PL.63344	PL.63343	C	#1/0 ACSR	7.38Y	123.0	0.00	2.00	1.13	0	8	2	97	0.00	0.0	3.214	0.026	8	2	1	1
PL.40441	PL.40440	ABC	336 MCM AC	7.38Y	123.0	0.02	2.02	30.56	6	648	194	96	0.06	0.0	3.217	0.075	0	0	0	99
PL.40442	PL.40441	ABC	336 MCM AC	7.38Y	123.0	0.03	2.05	29.98	6	636	191	96	0.10	0.0	3.354	0.136	0	0	0	96
PL.39683	PL.40442	A	6 A (CWC)	7.38Y	122.9	0.00	2.05	8.27	6	59	17	96	0.00	0.0	3.359	0.006	0	0	0	14
PD.6323	PL.39683	A	25QA	7.38Y	122.9	0.00	2.05	8.27	33	59	17	96	0.00	0.0	3.359	0.006	0	0	0	14
PL.40881	PD.6323	A	6 A (CWC)	7.38Y	122.9	0.02	2.08	8.27	6	59	17	96	0.01	0.0	3.430	0.071	9	3	1	14
PL.40882	PL.40881	A	6 A (CWC)	7.37Y	122.8	0.08	2.15	7.03	5	50	15	96	0.03	0.1	3.673	0.242	0	0	0	13
PL.40883	PL.40882	A	#4 ACSR	7.37Y	122.8	0.00	2.15	0.23	0	2	0	100	0.00	0.0	3.747	0.074	0	0	0	3
PL.40885	PL.40883	A	#4 ACSR	7.37Y	122.8	0.00	2.16	0.18	0	1	0	100	0.00	0.0	3.805	0.058	1	0	1	2
PL.40886	PL.40885	A	#4 ACSR	7.37Y	122.8	0.00	2.16	0.00	0	0	0	100	0.00	0.0	3.894	0.089	0	0	1	1
PL.40884	PL.40883	A	#4 ACSR	7.37Y	122.8	0.00	2.16	0.05	0	0	0	100	0.00	0.0	3.802	0.056	0	0	1	1
PL.40887	PL.40882	A	6 A (CWC)	7.37Y	122.8	0.01	2.17	6.79	5	48	14	96	0.00	0.0	3.718	0.046	2	1	1	10
PL.40888	PL.40887	A	6 A (CWC)	7.37Y	122.8	0.03	2.20	6.47	5	46	13	96	0.01	0.0	3.843	0.125	10	3	2	9
PL.40889	PL.40888	A	6 A (CWC)	7.37Y	122.8	0.01	2.21	5.01	4	35	10	96	0.00	0.0	3.888	0.045	0	0	0	7
PL.40153	PL.40889	A	6 A (CWC)	7.37Y	122.8	0.00	2.21	1.04	1	7	2	96	0.00	0.0	3.906	0.018	7	2	1	1
PL.40392	PL.40889	A	6 A (CWC)	7.37Y	122.8	0.01	2.22	2.70	2	19	6	95	0.00	0.0	3.972	0.084	0	0	0	4
PL.40771	PL.40392	A	6 A (CWC)	7.37Y	122.8	0.01	2.23	1.35	1	10	3	96	0.00	0.0	4.058	0.086	0	0	0	2
PL.40251	PL.40771	A	#1/0 ACSR	7.37Y	122.8	0.00	2.23	0.58	0	4	1	97	0.00	0.0	4.156	0.098	4	1	1	1
PL.40772	PL.40771	A	6 A (CWC)	7.37Y	122.8	0.00	2.23	0.77	1	5	2	93	0.00	0.0	4.112	0.054	5	2	1	1

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Balanced Voltage Drop Report  
Source: Eberle

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.40393	PL.40392	A	#4 ACSR	7.37Y	122.8	0.00	2.22	1.35	1	10	3	96	0.00	0.0	4.044	0.072	9	3	1	2
PL.40394	PL.40393	A	#4 ACSR	7.37Y	122.8	0.00	2.22	0.04	0	0	0	100	0.00	0.0	4.100	0.056	0	0	1	1
PL.40307	PL.40889	A	6 A (CWC)	7.37Y	122.8	0.00	2.21	1.27	1	9	3	95	0.00	0.0	3.925	0.037	9	3	2	2
PL.40773	PL.40442	ABC	336 MCM AC	7.38Y	122.9	0.03	2.08	27.22	5	577	173	96	0.10	0.0	3.506	0.152	0	0	0	82
PL.40774	PL.40773	A	#4 ACSR	7.38Y	122.9	0.00	2.08	0.40	0	3	1	95	0.00	0.0	3.512	0.006	0	0	0	2
PD.6370	PL.40774	A	25QA	7.38Y	122.9	0.00	2.08	0.40	2	3	1	95	0.00	0.0	3.512	0.006	0	0	0	2
PL.40775	PD.6370	A	#4 ACSR	7.38Y	122.9	0.00	2.08	0.40	0	3	1	95	0.00	0.0	3.558	0.046	3	1	2	2
PL.40776	PL.40773	ABC	336 MCM AC	7.37Y	122.9	0.01	2.09	27.09	5	574	172	96	0.04	0.0	3.569	0.063	0	0	0	80
PL.40777	PL.40776	A	6 A (CWC)	7.37Y	122.9	0.00	2.09	1.51	1	11	3	96	0.00	0.0	3.575	0.006	0	0	0	2
PD.6257	PL.40777	A	25QA	7.37Y	122.9	0.00	2.09	1.51	6	11	3	96	0.00	0.0	3.575	0.006	0	0	0	2
PL.40778	PD.6257	A	6 A (CWC)	7.37Y	122.9	0.00	2.10	1.51	1	11	3	96	0.00	0.0	3.656	0.082	10	3	1	2
PL.40779	PL.40778	A	6 A (CWC)	7.37Y	122.9	0.00	2.10	0.05	0	0	0	100	0.00	0.0	3.738	0.081	0	0	0	1
PL.40780	PL.40779	A	6 A (CWC)	7.37Y	122.9	0.00	2.10	0.05	0	0	0	100	0.00	0.0	3.830	0.092	0	0	1	1
PL.40781	PL.40776	ABC	336 MCM AC	7.37Y	122.9	0.03	2.12	26.58	5	563	169	96	0.09	0.0	3.721	0.152	0	0	0	78
PL.40785	PL.40781	ABC	336 MCM AC	7.37Y	122.9	0.01	2.13	26.26	5	556	167	96	0.02	0.0	3.750	0.029	0	0	0	77
PL.40786	PL.40785	ABC	336 MCM AC	7.37Y	122.8	0.04	2.17	26.26	5	556	167	96	0.10	0.0	3.928	0.178	0	0	0	77
PL.40707	PL.40786	C	#1/0 ACSR	7.37Y	122.8	0.00	2.17	1.63	1	12	3	97	0.00	0.0	4.045	0.117	12	3	1	1
PL.40787	PL.40786	ABC	336 MCM AC	7.37Y	122.8	0.04	2.21	25.72	5	545	163	96	0.13	0.0	4.154	0.226	0	0	0	76
PL.40342	PL.40787	C	#2 ACSR	7.37Y	122.8	0.00	2.21	0.00	0	0	0	100	0.00	0.0	4.211	0.057	0	0	0	0
PL.40788	PL.40787	A	#2 ACSR	7.37Y	122.8	0.00	2.21	2.50	1	18	5	96	0.00	0.0	4.160	0.006	0	0	0	2
PD.6274	PL.40788	A	40QA	7.37Y	122.8	0.00	2.21	2.50	6	18	5	96	0.00	0.0	4.160	0.006	0	0	0	2
PL.40789	PD.6274	A	#2 ACSR	7.37Y	122.8	0.00	2.22	2.50	1	18	5	96	0.00	0.0	4.280	0.121	18	5	2	2
PL.40790	PL.40787	ABC	336 MCM AC	7.37Y	122.8	0.02	2.23	24.88	5	527	157	96	0.05	0.0	4.242	0.088	0	0	0	74
PL.40792	PL.40790	A	#2 ACSR	7.37Y	122.8	0.00	2.23	0.11	0	1	0	100	0.00	0.0	4.248	0.006	0	0	0	1
PD.6343	PL.40792	A	40QA	7.37Y	122.8	0.00	2.23	0.11	0	1	0	100	0.00	0.0	4.248	0.006	0	0	0	1
PL.40793	PD.6343	A	#2 ACSR	7.37Y	122.8	0.00	2.23	0.11	0	1	0	100	0.00	0.0	4.297	0.049	1	0	1	1
PL.40791	PL.40790	ABC	336 MCM AC	7.37Y	122.8	0.01	2.23	24.85	5	526	157	96	0.02	0.0	4.274	0.032	0	0	0	73
PL.40794	PL.40791	ABC	336 MCM AC	7.37Y	122.8	0.01	2.25	24.85	5	526	157	96	0.03	0.0	4.341	0.067	2	1	1	73
PL.40795	PL.40794	ABC	336 MCM AC	7.36Y	122.7	0.05	2.29	24.76	5	524	156	96	0.12	0.0	4.588	0.246	19	5	2	72
PL.40796	PL.40795	ABC	336 MCM AC	7.36Y	122.7	0.01	2.30	23.17	4	490	146	96	0.02	0.0	4.636	0.048	0	0	0	68
PL.40697	PL.40796	C	#1/0 ACSR	7.36Y	122.7	0.00	2.30	1.89	1	13	4	96	0.00	0.0	4.674	0.038	13	4	1	1

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.63835	PL.40796	ABC	336 MCM AC	7.36Y	122.7	0.02	2.32	22.54	4	477	142	96	0.04	0.0	4.733	0.097	0	0	0	67
PL.63837	PL.63835	A	#1/0 ACSR	7.36Y	122.7	0.00	2.32	0.00	0	0	0	100	0.00	0.0	4.793	0.059	0	0	0	0
PL.63836	PL.63835	ABC	336 MCM AC	7.36Y	122.6	0.04	2.36	22.54	4	477	142	96	0.11	0.0	4.990	0.257	0	0	0	67
PL.62521	PL.63836	A	#2 ACSR	7.36Y	122.6	0.00	2.36	4.74	3	33	10	96	0.00	0.0	4.994	0.003	0	0	0	5
PD.9377	PL.62521	A	25T	7.36Y	122.6	0.00	2.36	4.74	0	33	10	96	0.00	0.0	4.994	0.003	0	0	0	5
PL.62522	PD.9377	A	#2 ACSR	7.36Y	122.6	0.02	2.38	4.74	3	33	10	96	0.00	0.0	5.124	0.130	12	4	2	5
PL.63348	PL.62522	A	#2 ACSR	7.36Y	122.6	0.01	2.39	3.01	2	21	6	96	0.00	0.0	5.270	0.146	0	0	0	3
PL.63349	PL.63348	A	#2 ACSR	7.36Y	122.6	0.00	2.39	2.99	2	21	6	96	0.00	0.0	5.270	0.000	0	0	0	2
PD.9464	PL.63349	A	25T	7.36Y	122.6	0.00	2.39	2.99	0	21	6	96	0.00	0.0	5.270	0.000	0	0	0	2
PL.63347	PD.9464	A	#2 ACSR	7.36Y	122.6	0.02	2.41	2.99	2	21	6	96	0.00	0.0	5.468	0.197	0	0	0	2
PL.40799	PL.63347	A	#2 ACSR	7.36Y	122.6	0.01	2.42	1.07	1	8	2	97	0.00	0.0	5.654	0.187	0	0	0	1
PL.40800	PL.40799	A	#2 ACSR	7.35Y	122.6	0.00	2.42	1.07	1	8	2	97	0.00	0.0	5.772	0.117	8	2	1	1
PL.40311	PL.63347	A	#2 ACSR	7.36Y	122.6	0.00	2.41	1.91	1	14	4	96	0.00	0.0	5.495	0.028	14	4	1	1
PL.63350	PL.63348	A	#1/0 ACSR	7.36Y	122.6	0.00	2.39	0.02	0	0	0	100	0.00	0.0	5.305	0.036	0	0	0	1
PL.63351	PL.63350	A	#1/0 ACSR	7.36Y	122.6	0.00	2.39	0.02	0	0	0	100	0.00	0.0	5.379	0.074	0	0	0	1
PL.63352	PL.63351	A	#1/0 ACSR	7.36Y	122.6	0.00	2.39	0.02	0	0	0	100	0.00	0.0	5.436	0.057	0	0	1	1
PL.57753	PL.62522	A	#1/0 ACSR	7.36Y	122.6	0.00	2.38	0.00	0	0	0	100	0.00	0.0	5.173	0.049	0	0	0	0
PL.40154	PL.63836	ABC	336 MCM AC	7.36Y	122.6	0.01	2.37	20.96	4	443	132	96	0.03	0.0	5.072	0.082	0	0	0	62
PL.40820	PL.40154	ABC	336 MCM AC	7.36Y	122.6	0.01	2.39	19.16	4	405	121	96	0.02	0.0	5.154	0.082	7	2	1	58
PL.40318	PL.40820	ABC	336 MCM AC	7.36Y	122.6	0.02	2.40	18.85	4	399	119	96	0.04	0.0	5.272	0.118	0	0	0	57
PL.40321	PL.40318	ABC	336 MCM AC	7.35Y	122.6	0.03	2.44	18.85	4	399	119	96	0.07	0.0	5.515	0.243	0	0	0	57
PL.40322	PL.40321	ABC	336 MCM AC	7.35Y	122.6	0.01	2.44	18.84	4	398	118	96	0.01	0.0	5.560	0.045	0	0	0	56
PL.62486	PL.40322	A	#2 ACSR	7.35Y	122.6	0.00	2.44	2.62	1	18	5	96	0.00	0.0	5.563	0.003	0	0	0	1
PD.9354	PL.62486	A	25T	7.35Y	122.6	0.00	2.44	2.62	0	18	5	96	0.00	0.0	5.563	0.003	0	0	0	1
PL.62487	PD.9354	A	#2 ACSR	7.35Y	122.5	0.01	2.46	2.62	1	18	5	96	0.00	0.0	5.738	0.175	0	0	0	1
PL.40890	PL.62487	A	#2 ACSR	7.35Y	122.5	0.00	2.46	2.62	1	18	5	96	0.00	0.0	5.826	0.088	18	5	1	1
PL.40891	PL.40322	ABC	336 MCM AC	7.35Y	122.5	0.01	2.45	17.97	3	380	113	96	0.02	0.0	5.616	0.057	7	2	1	55
PL.40892	PL.40891	ABC	336 MCM AC	7.35Y	122.5	0.01	2.46	17.64	3	373	111	96	0.01	0.0	5.665	0.049	12	4	1	54
PL.40893	PL.40892	ABC	336 MCM AC	7.35Y	122.5	0.01	2.47	17.07	3	361	107	96	0.02	0.0	5.753	0.088	8	2	2	53
PL.40894	PL.40893	ABC	336 MCM AC	7.35Y	122.5	0.01	2.48	16.28	3	344	102	96	0.01	0.0	5.814	0.061	0	0	0	50
PL.40896	PL.40894	ABC	336 MCM AC	7.35Y	122.5	0.01	2.48	15.54	3	329	98	96	0.01	0.0	5.866	0.052	21	6	2	48

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Balanced Voltage Drop Report  
Source: Eberle

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.40897	PL.40896	A	#2 ACSR	7.35Y	122.5	0.00	2.48	0.00	0	0	0	100	0.00	0.0	5.872	0.006	0	0	0	0
PD.6373	PL.40897	A	40QA	7.35Y	122.5	0.00	2.48	0.00	0	0	0	100	0.00	0.0	5.872	0.006	0	0	0	0
PL.40898	PD.6373	A	#2 ACSR	7.35Y	122.5	0.00	2.48	0.00	0	0	0	100	0.00	0.0	6.001	0.129	0	0	0	0
PL.40899	PL.40898	A	#2 ACSR	7.35Y	122.5	0.00	2.48	0.00	0	0	0	100	0.00	0.0	6.082	0.082	0	0	0	0
PL.40558	PL.40896	A	#2 ACSR	7.35Y	122.5	0.00	2.48	0.00	0	0	0	100	0.00	0.0	5.889	0.023	0	0	0	0
PL.40900	PL.40896	ABC	336 MCM AC	7.35Y	122.5	0.01	2.49	14.56	3	308	92	96	0.02	0.0	5.980	0.114	0	0	0	46
PL.40901	PL.40900	A	#2 ACSR	7.35Y	122.5	0.00	2.50	1.87	1	13	4	96	0.00	0.0	5.986	0.006	0	0	0	4
PD.6328	PL.40901	A	40QA	7.35Y	122.5	0.00	2.50	1.87	5	13	4	96	0.00	0.0	5.986	0.006	0	0	0	4
PL.40902	PD.6328	A	#2 ACSR	7.35Y	122.5	0.00	2.50	1.87	1	13	4	96	0.00	0.0	6.012	0.026	8	2	2	4
PL.40903	PL.40902	A	#2 ACSR	7.35Y	122.5	0.00	2.50	0.70	0	5	1	98	0.00	0.0	6.215	0.203	0	0	1	2
PL.40904	PL.40903	A	#2 ACSR	7.35Y	122.5	0.00	2.50	0.66	0	5	1	98	0.00	0.0	6.239	0.024	5	1	1	1
PL.40905	PL.40900	ABC	336 MCM AC	7.35Y	122.5	0.01	2.50	13.94	3	295	88	96	0.01	0.0	6.066	0.085	0	0	0	42
PL.40906	PL.40905	A	#2 ACSR	7.35Y	122.5	0.00	2.50	0.78	0	6	2	95	0.00	0.0	6.071	0.006	0	0	0	1
PD.6270	PL.40906	A	40QA	7.35Y	122.5	0.00	2.50	0.78	2	6	2	95	0.00	0.0	6.071	0.006	0	0	0	1
PL.40907	PD.6270	A	#2 ACSR	7.35Y	122.5	0.00	2.50	0.78	0	6	2	95	0.00	0.0	6.096	0.025	6	2	1	1
PL.40908	PL.40905	ABC	336 MCM AC	7.35Y	122.5	0.02	2.53	13.68	3	289	86	96	0.04	0.0	6.298	0.232	0	0	0	41
PL.40909	PL.40908	A	#2 ACSR	7.35Y	122.5	0.00	2.53	1.74	1	12	4	95	0.00	0.0	6.303	0.006	0	0	0	2
PD.6256	PL.40909	A	40QA	7.35Y	122.5	0.00	2.53	1.74	4	12	4	95	0.00	0.0	6.303	0.006	0	0	0	2
PL.55963	PD.6256	A	#2 ACSR	7.35Y	122.5	0.00	2.53	1.74	1	12	4	95	0.00	0.0	6.346	0.043	12	4	2	2
PL.62932	PL.40908	ABC	336 MCM AC	7.35Y	122.5	0.02	2.54	13.10	3	277	82	96	0.02	0.0	6.457	0.159	0	0	0	39
PL.62933	PL.62932	A	#2 ACSR	7.35Y	122.5	0.00	2.54	5.33	3	38	11	96	0.00	0.0	6.463	0.006	0	0	0	3
PD.6255	PL.62933	A	40QA	7.35Y	122.5	0.00	2.54	5.33	13	38	11	96	0.00	0.0	6.463	0.006	0	0	0	3
PL.40910	PD.6255	A	#2 ACSR	7.35Y	122.4	0.01	2.55	5.33	3	38	11	96	0.00	0.0	6.527	0.065	12	4	1	3
PL.40911	PL.40910	A	#2 ACSR	7.35Y	122.4	0.00	2.56	3.63	2	26	8	96	0.00	0.0	6.550	0.022	13	4	1	2
PL.59226	PL.40911	A	#2 ACSR	7.35Y	122.4	0.00	2.56	1.77	1	12	4	95	0.00	0.0	6.620	0.071	12	4	1	1
PL.59227	PL.59226	A	#2 ACSR	7.35Y	122.4	0.00	2.56	0.00	0	0	0	100	0.00	0.0	6.768	0.147	0	0	0	0
PL.62925	PL.62932	ABC	336 MCM AC	7.35Y	122.4	0.01	2.55	11.32	2	239	71	96	0.01	0.0	6.561	0.104	0	0	0	36
PL.62922	PL.62925	ABC	336 MCM AC	7.35Y	122.4	0.00	2.55	2.62	1	55	16	96	0.00	0.0	6.626	0.065	0	0	0	6
PL.62924	PL.62922	A	6 A (CWC)	7.35Y	122.4	0.00	2.56	7.09	5	50	15	96	0.00	0.0	6.632	0.006	0	0	0	5
PD.6253	PL.62924	A	25T	7.35Y	122.4	0.00	2.56	7.09	0	50	15	96	0.00	0.0	6.632	0.006	0	0	0	5
PL.40709	PD.6253	A	6 A (CWC)	7.34Y	122.4	0.08	2.64	7.09	5	50	15	96	0.03	0.1	6.926	0.294	13	4	1	5

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Balanced Voltage Drop Report  
Source: Eberle

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.40710	PL.40709	A	6 A (CWC)	7.34Y	122.3	0.02	2.66	5.30	4	37	11	96	0.00	0.0	7.025	0.099	14	4	2	4
PL.40357	PL.40710	A	6 A (CWC)	7.34Y	122.3	0.03	2.69	3.35	2	24	7	96	0.01	0.0	7.251	0.226	0	0	0	2
PL.40741	PL.40357	A	#4 ACSR	7.34Y	122.3	0.01	2.70	2.47	2	17	5	96	0.00	0.0	7.372	0.121	17	5	1	1
PL.40007	PL.40357	A	6 A (CWC)	7.34Y	122.3	0.00	2.70	0.88	1	6	2	95	0.00	0.0	7.343	0.091	6	2	1	1
PL.62923	PL.62922	A	#2 ACSR	7.35Y	122.4	0.00	2.55	0.75	0	5	2	93	0.00	0.0	6.696	0.070	5	2	1	1
PL.62926	PL.62925	A	6 A (CWC)	7.35Y	122.4	0.00	2.56	26.12	19	184	55	96	0.01	0.0	6.564	0.003	0	0	0	30
PD.9404	PL.62926	A	35L	7.35Y	122.4	0.00	2.56	26.12	75	184	55	96	0.00	0.0	6.564	0.003	0	0	0	30
PL.62928	PD.9404	A	6 A (CWC)	7.33Y	122.2	0.25	2.80	26.12	19	184	55	96	0.34	0.2	6.770	0.205	0	0	0	30
PL.62927	PL.62928	A	6 A (CWC)	7.32Y	122.0	0.19	2.99	26.12	19	184	55	96	0.26	0.1	6.926	0.156	0	0	0	29
PL.62930	PL.62927	A	#4 ACSR	7.32Y	122.0	0.00	2.99	0.84	1	6	2	95	0.00	0.0	7.026	0.100	6	2	2	2
PL.62931	PL.62927	A	6 A (CWC)	7.31Y	121.9	0.14	3.13	25.28	18	177	53	96	0.18	0.1	7.044	0.118	0	0	0	27
PL.39666	PL.62931	A	6 A (CWC)	7.31Y	121.9	0.00	3.13	1.55	1	11	3	96	0.00	0.0	7.072	0.028	11	3	1	1
PL.40821	PL.62931	A	6 A (CWC)	7.29Y	121.4	0.45	3.58	23.73	17	166	49	96	0.56	0.3	7.456	0.412	0	0	0	26
PL.40913	PL.40821	A	6 A (CWC)	7.28Y	121.3	0.13	3.70	23.73	17	166	49	96	0.16	0.1	7.571	0.115	0	0	0	26
PL.60651	PL.40913	A	#2 ACSR	7.28Y	121.3	0.00	3.71	2.19	1	15	5	95	0.00	0.0	7.632	0.060	5	2	2	3
PL.60652	PL.60651	A	#2 ACSR	7.28Y	121.3	0.00	3.71	1.45	1	10	3	96	0.00	0.0	7.693	0.061	0	0	0	1
PL.40912	PL.60652	A	#2 ACSR	7.28Y	121.3	0.00	3.71	1.45	1	10	3	96	0.00	0.0	7.730	0.037	10	3	1	1
PL.40914	PL.40913	A	6 A (CWC)	7.27Y	121.2	0.10	3.80	21.54	15	150	45	96	0.11	0.1	7.670	0.099	0	0	0	23
PL.40767	PL.40914	A	6 A (CWC)	7.27Y	121.2	0.00	3.80	0.00	0	0	0	100	0.00	0.0	7.712	0.042	0	0	0	0
PL.40915	PL.40914	A	6 A (CWC)	7.26Y	121.0	0.16	3.96	21.54	15	150	44	96	0.17	0.1	7.835	0.165	11	3	1	23
PL.40916	PL.40915	A	6 A (CWC)	7.26Y	121.0	0.06	4.02	20.00	14	139	41	96	0.07	0.0	7.906	0.070	7	2	1	22
PL.40917	PL.40916	A	6 A (CWC)	7.25Y	120.9	0.10	4.12	19.02	14	132	39	96	0.10	0.1	8.019	0.113	0	0	0	21
PL.40918	PL.40917	A	6 A (CWC)	7.25Y	120.8	0.04	4.16	19.00	14	132	39	96	0.04	0.0	8.064	0.046	9	3	2	20
PL.40919	PL.40918	A	6 A (CWC)	7.25Y	120.8	0.07	4.23	17.75	13	123	36	96	0.07	0.1	8.153	0.088	0	0	0	18
PL.58407	PL.40919	A	6 A (CWC)	7.25Y	120.8	0.00	4.23	0.01	0	0	0	100	0.00	0.0	8.155	0.003	0	0	0	1
PD.8580	PL.58407	A	25T	7.25Y	120.8	0.00	4.23	0.01	0	0	0	100	0.00	0.0	8.155	0.003	0	0	0	1
PL.58408	PD.8580	A	6 A (CWC)	7.25Y	120.8	0.00	4.23	0.01	0	0	0	100	0.00	0.0	8.238	0.082	0	0	0	1
PL.58406	PL.58408	A	6 A (CWC)	7.25Y	120.8	0.00	4.23	0.01	0	0	0	100	0.00	0.0	8.615	0.377	0	0	0	1
PL.40811	PL.58406	A	6 A (CWC)	7.25Y	120.8	0.00	4.23	0.01	0	0	0	100	0.00	0.0	8.837	0.222	0	0	1	1
PL.56619	PL.40919	A	6 A (CWC)	7.25Y	120.8	0.00	4.24	17.74	13	123	36	96	0.00	0.0	8.157	0.005	0	0	0	16
PD.8297	PL.56619	A	50QA	7.25Y	120.8	0.00	4.24	17.74	35	123	36	96	0.00	0.0	8.157	0.005	0	0	0	16

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Balanced Voltage Drop Report  
Source: Eberle

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.56620	PD.8297	A	6 A (CWC)	7.24Y	120.7	0.11	4.35	17.74	13	123	36	96	0.10	0.1	8.300	0.143	11	3	1	16
PL.40204	PL.56620	A	6 A (CWC)	7.24Y	120.6	0.04	4.39	16.17	12	112	33	96	0.03	0.0	8.351	0.051	0	0	0	15
PL.40205	PL.40204	A	6 A (CWC)	7.23Y	120.6	0.06	4.45	14.63	10	102	30	96	0.05	0.0	8.441	0.091	3	1	1	14
PL.40206	PL.40205	A	6 A (CWC)	7.23Y	120.5	0.03	4.48	14.21	10	99	29	96	0.02	0.0	8.488	0.047	0	0	0	13
PL.40705	PL.40206	A	6 A (CWC)	7.23Y	120.5	0.00	4.48	2.04	1	14	4	96	0.00	0.0	8.510	0.021	14	4	1	1
PL.40207	PL.40206	A	6 A (CWC)	7.23Y	120.5	0.03	4.50	12.18	9	84	25	96	0.02	0.0	8.539	0.050	0	0	0	12
PL.40210	PL.40207	A	6 A (CWC)	7.23Y	120.4	0.05	4.55	10.71	8	74	22	96	0.03	0.0	8.633	0.094	0	0	0	10
PL.39682	PL.40210	A	#1/0 ACSR	7.23Y	120.4	0.00	4.55	1.52	1	11	3	96	0.00	0.0	8.806	0.173	11	3	1	1
PL.40211	PL.40210	A	6 A (CWC)	7.22Y	120.4	0.05	4.60	9.19	7	64	19	96	0.02	0.0	8.756	0.123	3	1	1	9
PL.59228	PL.40211	A	6 A (CWC)	7.22Y	120.3	0.05	4.65	8.71	6	60	18	96	0.02	0.0	8.889	0.133	9	3	1	8
PL.60714	PL.59228	A	#1/0 ACSR	7.22Y	120.3	0.00	4.65	2.14	1	15	4	97	0.00	0.0	8.955	0.065	8	2	1	3
PL.60715	PL.60714	A	#1/0 ACSR	7.22Y	120.3	0.00	4.65	1.05	0	7	2	96	0.00	0.0	9.051	0.096	7	2	2	2
PL.59229	PL.59228	A	6 A (CWC)	7.22Y	120.3	0.02	4.67	5.24	4	36	11	96	0.00	0.0	8.961	0.071	9	3	1	4
PL.40212	PL.59229	A	6 A (CWC)	7.22Y	120.3	0.01	4.68	3.91	3	27	8	96	0.00	0.0	9.047	0.086	10	3	1	3
PL.40213	PL.40212	A	6 A (CWC)	7.22Y	120.3	0.01	4.69	2.43	2	17	5	96	0.00	0.0	9.190	0.143	17	5	2	2
PL.40208	PL.40207	A	#2 ACSR	7.23Y	120.5	0.01	4.51	1.47	1	10	3	96	0.00	0.0	8.681	0.143	1	0	1	2
PL.40209	PL.40208	A	#2 ACSR	7.23Y	120.5	0.00	4.51	1.38	1	10	3	96	0.00	0.0	8.717	0.036	10	3	1	1
PL.40352	PL.40204	A	6 A (CWC)	7.24Y	120.6	0.00	4.39	1.53	1	11	3	96	0.00	0.0	8.424	0.074	11	3	1	1
PL.40143	PL.40919	A	#2 ACSR	7.25Y	120.8	0.00	4.23	0.00	0	0	0	100	0.00	0.0	8.209	0.057	0	0	1	1
PL.40225	PL.40917	A	#4 ACSR	7.25Y	120.9	0.00	4.12	0.02	0	0	0	100	0.00	0.0	8.178	0.159	0	0	1	1
PL.62929	PL.62928	A	6 A (CWC)	7.33Y	122.2	0.00	2.80	0.00	0	0	0	100	0.00	0.0	6.944	0.175	0	0	1	1
PL.40895	PL.40894	C	#2 ACSR	7.35Y	122.5	0.00	2.48	2.23	1	16	5	95	0.00	0.0	5.839	0.025	0	0	0	2
PL.62482	PL.40895	C	#2 ACSR	7.35Y	122.5	0.00	2.48	2.23	1	16	5	95	0.00	0.0	5.843	0.003	0	0	0	2
PD.9352	PL.62482	C	10T	7.35Y	122.5	0.00	2.48	2.23	0	16	5	95	0.00	0.0	5.843	0.003	0	0	0	2
PL.62483	PD.9352	C	#2 ACSR	7.35Y	122.5	0.00	2.48	2.23	1	16	5	95	0.00	0.0	5.897	0.054	16	5	2	2
PL.40717	PL.40893	A	#2 ACSR	7.35Y	122.5	0.00	2.47	1.24	1	9	3	95	0.00	0.0	5.802	0.049	9	3	1	1
PL.40323	PL.40321	A	#2 ACSR	7.35Y	122.6	0.00	2.44	0.04	0	0	0	100	0.00	0.0	5.520	0.006	0	0	0	1
PD.6356	PL.40323	A	40QA	7.35Y	122.6	0.00	2.44	0.04	0	0	0	100	0.00	0.0	5.520	0.006	0	0	0	1
PL.40324	PD.6356	A	#2 ACSR	7.35Y	122.6	0.00	2.44	0.04	0	0	0	100	0.00	0.0	5.555	0.034	0	0	1	1
PL.40319	PL.40318	B	#2 ACSR	7.36Y	122.6	0.00	2.40	0.00	0	0	0	100	0.00	0.0	5.277	0.006	0	0	0	0
PD.6254	PL.40319	B	40QA	7.36Y	122.6	0.00	2.40	0.00	0	0	0	100	0.00	0.0	5.277	0.006	0	0	0	0

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

Balanced Voltage Drop Report  
Source: Eberle

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.40320	PD.6254	B	#2 ACSR	7.36Y	122.6	0.00	2.40	0.00	0	0	0	100	0.00	0.0	5.342	0.064	0	0	0	0
PL.40801	PL.40154	A	#2 ACSR	7.36Y	122.6	0.00	2.37	1.58	1	11	3	96	0.00	0.0	5.078	0.006	0	0	0	1
PD.6271	PL.40801	A	40QA	7.36Y	122.6	0.00	2.37	1.58	4	11	3	96	0.00	0.0	5.078	0.006	0	0	0	1
PL.40802	PD.6271	A	#2 ACSR	7.36Y	122.6	0.00	2.38	1.58	1	11	3	96	0.00	0.0	5.183	0.105	11	3	1	1
PL.40803	PL.40154	A	6 A (CWC)	7.36Y	122.6	0.00	2.37	3.80	3	27	8	96	0.00	0.0	5.078	0.006	0	0	0	3
PD.6272	PL.40803	A	25QA	7.36Y	122.6	0.00	2.37	3.80	15	27	8	96	0.00	0.0	5.078	0.006	0	0	0	3
PL.40315	PD.6272	A	6 A (CWC)	7.35Y	122.6	0.05	2.42	3.80	3	27	8	96	0.01	0.0	5.359	0.281	4	1	1	3
PL.40316	PL.40315	A	6 A (CWC)	7.35Y	122.6	0.01	2.43	3.27	2	23	7	96	0.00	0.0	5.420	0.060	0	0	0	2
PL.40722	PL.40316	A	#2 ACSR	7.35Y	122.6	0.00	2.43	1.09	1	8	2	97	0.00	0.0	5.560	0.140	8	2	1	1
PL.40317	PL.40316	A	6 A (CWC)	7.35Y	122.6	0.00	2.43	2.19	2	15	5	95	0.00	0.0	5.494	0.074	15	5	1	1
PL.40797	PL.40795	A	#2 ACSR	7.36Y	122.7	0.00	2.29	0.00	0	0	0	100	0.00	0.0	4.593	0.006	0	0	0	0
PD.6273	PL.40797	A	25QA	7.36Y	122.7	0.00	2.29	0.00	0	0	0	100	0.00	0.0	4.593	0.006	0	0	0	0
PL.40798	PD.6273	A	#2 ACSR	7.36Y	122.7	0.00	2.29	0.00	0	0	0	100	0.00	0.0	4.632	0.038	0	0	0	0
PL.60738	PL.40795	C	#1/0 ACSR	7.36Y	122.7	0.00	2.29	2.12	1	15	4	97	0.00	0.0	4.606	0.018	15	4	2	2
PL.40782	PL.40781	A	#2 ACSR	7.37Y	122.9	0.00	2.12	0.98	1	7	2	96	0.00	0.0	3.726	0.006	0	0	0	1
PD.6362	PL.40782	A	25QA	7.37Y	122.9	0.00	2.12	0.98	4	7	2	96	0.00	0.0	3.726	0.006	0	0	0	1
PL.40783	PD.6362	A	#2 ACSR	7.37Y	122.9	0.00	2.13	0.98	1	7	2	96	0.00	0.0	3.816	0.090	0	0	0	1
PL.40784	PL.40783	A	#2 ACSR	7.37Y	122.9	0.00	2.13	0.98	1	7	2	96	0.00	0.0	3.868	0.052	7	2	1	1
PL.40175	PL.40441	A	#2 ACSR	7.38Y	123.0	0.00	2.02	1.74	1	12	4	95	0.00	0.0	3.246	0.029	12	4	3	3
PL.40573	PL.40439	C	6 A (CWC)	7.38Y	123.0	0.00	1.97	0.00	0	0	0	100	0.00	0.0	3.136	0.132	0	0	0	0
PL.40505	PL.40504	A	6 A (CWC)	7.39Y	123.1	0.00	1.87	2.21	2	16	5	95	0.00	0.0	2.606	0.006	0	0	0	1
PD.6258	PL.40505	A	25QA	7.39Y	123.1	0.00	1.87	2.21	9	16	5	95	0.00	0.0	2.606	0.006	0	0	0	1
PL.40506	PD.6258	A	6 A (CWC)	7.39Y	123.1	0.03	1.90	2.21	2	16	5	95	0.00	0.0	2.864	0.258	0	0	0	1
PL.40437	PL.40506	A	6 A (CWC)	7.39Y	123.1	0.00	1.90	2.21	2	16	5	95	0.00	0.0	2.935	0.071	16	5	1	1
PL.40438	PL.40437	A	6 A (CWC)	7.39Y	123.1	0.00	1.90	0.00	0	0	0	100	0.00	0.0	3.294	0.359	0	0	0	0
PL.40356	PL.40504	A	#2 ACSR	7.39Y	123.1	0.00	1.87	1.55	1	11	3	96	0.00	0.0	2.662	0.062	11	3	2	2
PL.40574	PL.40567	C	6 A (CWC)	7.44Y	124.0	0.00	0.97	0.00	0	0	0	100	0.00	0.0	1.228	0.049	0	0	1	1
PL.52883	PL.52882	C	#4 ACSR	7.49Y	124.8	0.00	0.17	0.00	0	0	0	100	0.00	0.0	0.206	0.006	0	0	0	0
PD.6259	PL.52883	C	75QA	7.49Y	124.8	0.00	0.17	0.00	0	0	0	100	0.00	0.0	0.206	0.006	0	0	0	0
PL.40825	PD.6259	C	#4 ACSR	7.49Y	124.8	0.00	0.17	0.00	0	0	0	100	0.00	0.0	0.253	0.048	0	0	0	0
PL.62154	Eberle	ABC	336 MCM AC	7.50Y	125.0	0.01	0.01	164.16	32	3516	1132	95	0.19	0.0	0.008	0.008	0	0	0	517

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Balanced Voltage Drop Report  
Source: Eberle

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.62155	PL.62154	ABC	336 MCM AC	7.50Y	125.0	0.02	0.03	164.16	32	3515	1132	95	0.28	0.0	0.020	0.012	0	0	0	517
----- Feeder No. 3 (Hwy 490 F3) Beginning with Device PD.7983 -----																				
PD.7983	PL.62155	ABC	480VWE	7.50Y	125.0	0.00	0.03	164.16	0	3515	1131	95	0.00	0.0	0.020	0.012	0	0	0	517
PL.40295	PD.7983	ABC	336 MCM AC	7.49Y	124.8	0.15	0.18	164.16	32	3515	1131	95	2.65	0.1	0.137	0.117	0	0	0	517
PL.40194	PL.40295	C	#1/0 ACSR	7.49Y	124.8	0.00	0.18	0.00	0	0	0	100	0.00	0.0	0.173	0.036	0	0	1	1
PL.64558	PL.40295	ABC	336 MCM AC	7.49Y	124.8	0.06	0.24	164.16	32	3513	1125	95	1.08	0.0	0.185	0.047	0	0	0	516
PL.64559	PL.64558	ABC	336 MCM AC	7.48Y	124.7	0.07	0.30	164.16	32	3511	1122	95	1.18	0.0	0.237	0.052	0	0	0	516
PL.62473	PL.64559	B	#1/0 ACSR	7.48Y	124.7	0.02	0.32	10.82	5	78	23	96	0.01	0.0	0.298	0.061	0	0	0	6
PD.9349	PL.62473	B	20T	7.48Y	124.7	0.00	0.32	10.82	0	78	23	96	0.00	0.0	0.298	0.061	0	0	0	6
PL.62474	PD.9349	B	#1/0 ACSR	7.48Y	124.7	0.01	0.33	10.82	5	78	23	96	0.01	0.0	0.352	0.054	0	0	0	6
PL.59232	PL.62474	B	#1/0 ACSR	7.48Y	124.6	0.05	0.38	10.82	5	78	23	96	0.02	0.0	0.570	0.219	13	4	1	6
PL.59233	PL.59232	B	#1/0 ACSR	7.48Y	124.6	0.01	0.39	9.05	4	65	19	96	0.00	0.0	0.614	0.044	8	2	1	5
PL.40193	PL.59233	B	#1/0 ACSR	7.48Y	124.6	0.00	0.39	0.00	0	0	0	100	0.00	0.0	0.859	0.245	0	0	0	0
PL.40188	PL.59233	B	6 A (CWC)	7.48Y	124.6	0.00	0.39	0.00	0	0	0	100	0.00	0.0	0.704	0.089	0	0	0	0
PL.40350	PL.59233	B	6 A (CWC)	7.47Y	124.6	0.03	0.42	7.88	6	57	17	96	0.01	0.0	0.700	0.086	15	4	1	4
PL.40689	PL.40350	B	6 A (CWC)	7.47Y	124.6	0.01	0.42	5.79	4	42	12	96	0.00	0.0	0.729	0.029	17	5	1	3
PL.40156	PL.40689	B	6 A (CWC)	7.47Y	124.6	0.01	0.44	3.43	2	25	7	96	0.00	0.0	0.839	0.111	10	3	1	2
PL.64326	PL.40156	B	#1/0 ACSR	7.47Y	124.6	0.00	0.44	2.04	1	15	4	97	0.00	0.0	0.902	0.063	0	0	0	1
PL.64327	PL.64326	B	#1/0 ACSR	7.47Y	124.6	0.00	0.44	2.04	1	15	4	97	0.00	0.0	0.976	0.074	15	4	1	1
PL.40186	PL.62474	B	#2 ACSR	7.48Y	124.7	0.00	0.33	0.00	0	0	0	100	0.00	0.0	0.373	0.022	0	0	0	0
PL.57691	PL.64559	ABC	336 MCM AC	7.48Y	124.6	0.08	0.38	160.55	31	3433	1097	95	1.40	0.0	0.301	0.064	2	1	2	510
PL.57689	PL.57691	ABC	336 MCM AC	7.47Y	124.5	0.12	0.50	160.44	31	3429	1093	95	2.10	0.1	0.398	0.097	9	3	1	508
PL.57690	PL.57689	ABC	336 MCM AC	7.46Y	124.4	0.11	0.62	160.02	31	3418	1085	95	1.97	0.1	0.490	0.092	9	3	1	507
PL.40942	PL.57690	ABC	336 MCM AC	7.46Y	124.3	0.07	0.68	159.60	31	3407	1078	95	1.13	0.0	0.542	0.053	0	0	1	506
PL.40945	PL.40942	ABC	336 MCM AC	7.45Y	124.2	0.14	0.82	158.75	31	3387	1070	95	2.42	0.1	0.657	0.114	14	4	2	503
PL.40946	PL.40945	A	#1/0 ACSR	7.45Y	124.2	0.00	0.82	1.90	1	14	4	96	0.00	0.0	0.662	0.006	0	0	0	2
PD.6302	PL.40946	A	25QA	7.45Y	124.2	0.00	0.82	1.90	8	14	4	96	0.00	0.0	0.662	0.006	0	0	0	2
PL.63402	PD.6302	A	#1/0 ACSR	7.45Y	124.2	0.01	0.83	1.90	1	14	4	96	0.00	0.0	0.783	0.121	0	0	0	2
PL.63403	PL.63402	A	#1/0 ACSR	7.45Y	124.2	0.00	0.83	0.50	0	4	1	97	0.00	0.0	0.849	0.066	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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.63404	PL.63402	A	#1/0 ACSR	7.45Y	124.2	0.00	0.83	1.40	1	10	3	96	0.00	0.0	0.795	0.012	0	0	0	1
PL.63405	PL.63404	A	#1/0 ACSR	7.45Y	124.2	0.00	0.83	1.40	1	10	3	96	0.00	0.0	0.798	0.003	0	0	0	1
PD.9419	PL.63405	A	10T	7.45Y	124.2	0.00	0.83	1.40	0	10	3	96	0.00	0.0	0.798	0.003	0	0	0	1
PL.63406	PD.9419	A	#1/0 ACSR	7.45Y	124.2	0.00	0.83	1.40	1	10	3	96	0.00	0.0	0.854	0.056	0	0	0	1
PL.63407	PL.63406	A	#1/0 ACSR	7.45Y	124.2	0.00	0.83	1.40	1	10	3	96	0.00	0.0	0.912	0.058	0	0	0	1
PL.63408	PL.63407	A	#1/0 ACSR	7.45Y	124.2	0.00	0.83	1.40	1	10	3	96	0.00	0.0	0.974	0.063	0	0	0	1
PL.63409	PL.63408	A	#1/0 ACSR	7.45Y	124.2	0.00	0.84	1.40	1	10	3	96	0.00	0.0	1.018	0.044	0	0	0	1
PL.63410	PL.63409	A	#1/0 ACSR	7.45Y	124.2	0.00	0.84	1.40	1	10	3	96	0.00	0.0	1.088	0.070	10	3	1	1
PL.52519	PL.40945	ABC	336 MCM AC	7.45Y	124.1	0.05	0.87	157.44	30	3357	1056	95	0.79	0.0	0.694	0.038	0	0	0	499
PL.52674	PL.52519	ABC	336 MCM AC	7.45Y	124.1	0.04	0.91	157.44	30	3356	1054	95	0.73	0.0	0.729	0.035	0	0	0	499
PL.55834	PL.52674	ABC	336 MCM AC	7.44Y	124.0	0.13	1.05	157.44	30	3355	1053	95	2.31	0.1	0.840	0.111	20	6	2	499
PL.56064	PL.55834	A	#2 ACSR	7.44Y	124.0	0.00	1.05	5.33	3	38	11	96	0.00	0.0	0.842	0.002	0	0	0	7
PD.8293	PL.56064	A	60QA	7.44Y	124.0	0.00	1.05	5.33	9	38	11	96	0.00	0.0	0.842	0.002	0	0	0	7
PL.57776	PD.8293	A	#2 ACSR	7.44Y	124.0	0.00	1.05	5.33	3	38	11	96	0.00	0.0	0.843	0.001	0	0	0	7
PL.57778	PL.57776	A	6 A (CWC)	7.44Y	123.9	0.02	1.07	2.47	2	18	5	96	0.00	0.0	1.018	0.175	0	0	0	3
PL.57774	PL.57778	A	6 A (CWC)	7.44Y	123.9	0.01	1.08	1.43	1	10	3	96	0.00	0.0	1.234	0.217	2	1	1	2
PL.63383	PL.57774	A	#1/0 ACSR	7.44Y	123.9	0.00	1.08	1.14	0	8	2	97	0.00	0.0	1.297	0.063	0	0	0	1
PL.63384	PL.63383	A	#1/0 ACSR	7.44Y	123.9	0.00	1.08	1.14	0	8	2	97	0.00	0.0	1.379	0.081	8	2	1	1
PL.57779	PL.57778	A	#1/0 ACSR	7.44Y	123.9	0.00	1.07	1.04	0	7	2	96	0.00	0.0	1.020	0.003	0	0	0	1
PD.8513	PL.57779	A	15T	7.44Y	123.9	0.00	1.07	1.04	0	7	2	96	0.00	0.0	1.020	0.003	0	0	0	1
PL.57780	PD.8513	A	#1/0 ACSR	7.44Y	123.9	0.00	1.07	1.04	0	7	2	96	0.00	0.0	1.060	0.040	7	2	1	1
PL.57775	PL.57776	A	6 A (CWC)	7.44Y	124.0	0.00	1.05	0.00	0	0	0	100	0.00	0.0	0.889	0.046	0	0	0	0
PL.57777	PL.57776	A	#2 ACSR	7.44Y	123.9	0.01	1.05	2.87	2	20	6	96	0.00	0.0	0.924	0.082	10	3	1	4
PL.56065	PL.57777	A	#2 ACSR	7.44Y	123.9	0.00	1.06	1.50	1	11	3	96	0.00	0.0	0.989	0.065	0	0	0	3
PL.40947	PL.56065	A	#2 ACSR	7.44Y	123.9	0.00	1.06	1.03	1	7	2	96	0.00	0.0	1.140	0.150	7	2	2	2
PL.40325	PL.56065	A	#2 ACSR	7.44Y	123.9	0.00	1.06	0.47	0	3	1	95	0.00	0.0	1.014	0.025	3	1	1	1
PL.55835	PL.55834	ABC	336 MCM AC	7.43Y	123.9	0.05	1.10	154.72	30	3295	1030	95	0.85	0.0	0.882	0.042	9	3	1	490
PL.40033	PL.55835	ABC	336 MCM AC	7.43Y	123.9	0.04	1.14	154.29	30	3285	1025	95	0.65	0.0	0.915	0.033	0	0	0	489
PL.40034	PL.40033	ABC	336 MCM AC	7.43Y	123.8	0.05	1.18	154.29	30	3284	1024	95	0.77	0.0	0.953	0.039	6	2	1	489
PL.40031	PL.40034	ABC	336 MCM AC	7.42Y	123.7	0.08	1.26	154.01	30	3277	1020	95	1.31	0.0	1.019	0.065	0	0	0	488
PL.40032	PL.40031	ABC	336 MCM AC	7.42Y	123.6	0.09	1.35	154.01	30	3276	1017	96	1.54	0.0	1.096	0.077	0	0	0	488

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: Eberle

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.40030	PL.40032	A	#4 ACSR	7.42Y	123.6	0.00	1.35	0.00	0	0	0	100	0.00	0.0	1.101	0.006	0	0	0	0
PD.6283	PL.40030	A	20QA	7.42Y	123.6	0.00	1.35	0.00	0	0	0	100	0.00	0.0	1.101	0.006	0	0	0	0
PL.56466	PD.6283	A	#4 ACSR	7.42Y	123.6	0.00	1.35	0.00	0	0	0	100	0.00	0.0	1.131	0.030	0	0	0	0
PL.40035	PL.40032	ABC	336 MCM AC	7.41Y	123.5	0.15	1.50	153.65	30	3267	1011	96	2.45	0.1	1.219	0.123	11	3	2	487
PL.40427	PL.40035	ABC	336 MCM AC	7.40Y	123.4	0.09	1.58	153.13	30	3253	1002	96	1.47	0.0	1.294	0.074	0	0	0	485
PL.40429	PL.40427	C	#2 ACSR	7.40Y	123.4	0.00	1.58	0.00	0	0	0	100	0.00	0.0	1.299	0.006	0	0	0	0
PD.6346	PL.40429	C	20QA	7.40Y	123.4	0.00	1.58	0.00	0	0	0	100	0.00	0.0	1.299	0.006	0	0	0	0
PL.40430	PD.6346	C	#2 ACSR	7.40Y	123.4	0.00	1.58	0.00	0	0	0	100	0.00	0.0	1.328	0.029	0	0	0	0
PL.40428	PL.40427	ABC	336 MCM AC	7.40Y	123.3	0.07	1.66	153.13	30	3252	999	96	1.21	0.0	1.355	0.061	0	0	0	485
PL.40431	PL.40428	ABC	336 MCM AC	7.40Y	123.3	0.06	1.72	153.13	30	3251	996	96	1.03	0.0	1.407	0.052	0	0	0	485
PL.40432	PL.40431	ABC	336 MCM AC	7.39Y	123.2	0.10	1.81	152.71	29	3241	991	96	1.60	0.0	1.489	0.081	0	0	0	484
PL.40433	PL.40432	ABC	336 MCM AC	7.38Y	123.0	0.20	2.01	152.12	29	3227	984	96	3.33	0.1	1.660	0.171	0	0	0	483
PL.40949	PL.40433	ABC	336 MCM AC	7.38Y	123.0	0.01	2.02	31.18	6	662	197	96	0.03	0.0	1.699	0.039	0	0	0	100
PL.62176	PL.40949	ABC	#1/0 ACSR	7.38Y	123.0	0.01	2.04	30.94	13	656	195	96	0.07	0.0	1.725	0.026	0	0	0	98
PL.62179	PL.62176	ABC	#2 ACSR	7.38Y	122.9	0.02	2.06	30.94	18	656	195	96	0.12	0.0	1.757	0.032	0	0	0	98
PD.9282	PL.62179	ABC	50L	7.38Y	122.9	0.00	2.06	30.94	62	656	195	96	0.00	0.0	1.757	0.032	0	0	0	98
PL.62180	PD.9282	ABC	#2 ACSR	7.37Y	122.9	0.03	2.09	30.94	18	656	195	96	0.13	0.0	1.789	0.033	0	0	0	98
PL.62178	PL.62180	ABC	#2 ACSR	7.37Y	122.8	0.08	2.16	30.17	17	640	190	96	0.38	0.1	1.892	0.102	8	2	1	96
PL.40955	PL.62178	ABC	#2 ACSR	7.37Y	122.8	0.03	2.20	28.63	16	607	180	96	0.16	0.0	1.941	0.049	22	7	2	92
PL.40539	PL.40955	ABC	#2 ACSR	7.37Y	122.8	0.00	2.20	26.72	15	566	168	96	0.02	0.0	1.946	0.006	0	0	0	87
PD.6312	PL.40539	ABC	60QA	7.37Y	122.8	0.00	2.20	26.72	45	566	168	96	0.00	0.0	1.946	0.006	0	0	0	87
PL.40540	PD.6312	ABC	#2 ACSR	7.37Y	122.8	0.04	2.24	26.72	15	566	168	96	0.15	0.0	1.999	0.053	6	2	1	87
PL.40545	PL.40540	ABC	#4 ACSR	7.37Y	122.8	0.00	2.24	0.00	0	0	0	100	0.00	0.0	2.099	0.099	0	0	0	0
PL.40546	PL.40545	ABC	#4 ACSR	7.37Y	122.8	0.00	2.24	0.00	0	0	0	100	0.00	0.0	2.167	0.068	0	0	0	0
PL.40544	PL.40540	ABC	#2 ACSR	7.36Y	122.7	0.03	2.27	26.41	15	560	166	96	0.12	0.0	2.041	0.041	12	3	1	85
PL.40547	PL.40544	ABC	#2 ACSR	7.36Y	122.7	0.05	2.32	25.87	15	548	163	96	0.23	0.0	2.125	0.084	13	4	1	84
PL.40548	PL.40547	ABC	#2 ACSR	7.36Y	122.7	0.03	2.35	25.26	14	535	159	96	0.11	0.0	2.167	0.042	0	0	0	83
PL.59224	PL.40548	ABC	#2 ACSR	7.36Y	122.6	0.07	2.42	25.26	14	535	159	96	0.28	0.1	2.275	0.108	12	3	1	83
PL.59225	PL.59224	ABC	#2 ACSR	7.35Y	122.5	0.04	2.46	24.71	14	523	155	96	0.17	0.0	2.344	0.069	0	0	0	82
PL.41066	PL.59225	A	#2 ACSR	7.35Y	122.5	0.00	2.46	0.54	0	4	2	89	0.00	0.0	2.349	0.006	0	0	0	1
PD.6289	PL.41066	A	40QA	7.35Y	122.5	0.00	2.46	0.54	1	4	2	89	0.00	0.0	2.349	0.006	0	0	0	1

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Balanced Voltage Drop Report  
Source: Eberle

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.60650	PD.6289	A	#2 ACSR	7.35Y	122.5	0.00	2.46	0.54	0	4	2	89	0.00	0.0	2.386	0.036	4	2	1	1
PL.40549	PL.59225	ABC	#2 ACSR	7.34Y	122.4	0.16	2.62	24.53	14	519	153	96	0.63	0.1	2.601	0.257	0	0	0	81
PL.41067	PL.40549	ABC	#2 ACSR	7.34Y	122.3	0.09	2.71	24.53	14	518	153	96	0.36	0.1	2.745	0.145	0	0	0	81
PL.41068	PL.41067	ABC	#2 ACSR	7.33Y	122.2	0.05	2.76	24.53	14	518	153	96	0.22	0.0	2.833	0.088	0	0	0	81
PL.64556	PL.41068	ABC	#2 ACSR	7.33Y	122.2	0.02	2.78	23.64	14	499	147	96	0.08	0.0	2.869	0.036	9	3	1	80
PL.64557	PL.64556	ABC	#2 ACSR	7.33Y	122.2	0.05	2.83	23.22	13	490	144	96	0.18	0.0	2.951	0.082	0	0	0	79
PL.62172	PL.64557	ABC	#1/0 ACSR	7.33Y	122.1	0.05	2.88	23.22	10	490	144	96	0.16	0.0	3.064	0.113	9	3	1	79
PL.62174	PL.62172	A	#1/0 ACSR	7.33Y	122.1	0.01	2.89	3.30	1	23	7	96	0.00	0.0	3.233	0.169	23	7	1	1
PL.62173	PL.62172	B	#4 ACSR	7.33Y	122.1	0.00	2.88	6.37	5	45	13	96	0.00	0.0	3.069	0.006	0	0	0	4
PD.8096	PL.62173	B	40QA	7.33Y	122.1	0.00	2.88	6.37	16	45	13	96	0.00	0.0	3.069	0.006	0	0	0	4
PL.53361	PD.8096	B	#4 ACSR	7.33Y	122.1	0.01	2.89	6.37	5	45	13	96	0.00	0.0	3.112	0.043	11	3	1	4
PL.53362	PL.53361	B	#4 ACSR	7.32Y	122.0	0.07	2.97	4.82	4	34	10	96	0.02	0.0	3.544	0.432	14	4	1	3
PL.53360	PL.53362	B	#4 ACSR	7.32Y	122.0	0.01	2.97	0.90	1	6	2	95	0.00	0.0	3.685	0.140	0	0	0	1
PL.41071	PL.53360	B	#4 ACSR	7.32Y	122.0	0.00	2.97	0.00	0	0	0	100	0.00	0.0	3.780	0.096	0	0	0	0
PL.41072	PL.41071	B	#4 ACSR	7.32Y	122.0	0.00	2.97	0.00	0	0	0	100	0.00	0.0	3.855	0.075	0	0	0	0
PL.41074	PL.53360	B	#4 ACSR	7.32Y	122.0	0.00	2.97	0.90	1	6	2	95	0.00	0.0	3.832	0.148	6	2	1	1
PL.41075	PL.41074	B	#4 ACSR	7.32Y	122.0	0.00	2.97	0.00	0	0	0	100	0.00	0.0	3.873	0.041	0	0	0	0
PL.41073	PL.41075	B	#4 ACSR	7.32Y	122.0	0.00	2.97	0.00	0	0	0	100	0.00	0.0	3.914	0.041	0	0	0	0
PL.53359	PL.53362	B	#1/0 ACSR	7.32Y	122.0	0.00	2.97	1.89	1	13	4	96	0.00	0.0	3.590	0.046	13	4	1	1
PL.62175	PL.62172	ABC	#1/0 ACSR	7.33Y	122.1	0.03	2.91	19.55	9	412	121	96	0.09	0.0	3.154	0.090	6	2	1	73
PL.41076	PL.62175	ABC	#1/0 ACSR	7.32Y	122.0	0.05	2.96	19.26	8	406	120	96	0.13	0.0	3.286	0.132	0	0	0	72
PL.57617	PL.41076	ABC	#1/0 ACSR	7.32Y	122.0	0.07	3.03	19.26	8	406	119	96	0.19	0.0	3.477	0.192	0	0	0	72
PL.57618	PL.57617	ABC	#1/0 ACSR	7.32Y	121.9	0.03	3.05	18.89	8	398	117	96	0.08	0.0	3.560	0.082	12	3	2	70
PL.40459	PL.57618	ABC	#1/0 ACSR	7.32Y	121.9	0.02	3.07	17.14	7	361	106	96	0.04	0.0	3.614	0.055	0	0	0	64
PL.53352	PL.40459	ABC	#1/0 ACSR	7.31Y	121.9	0.02	3.09	17.14	7	361	106	96	0.05	0.0	3.680	0.066	5	1	1	64
PL.53356	PL.53352	ABC	#1/0 ACSR	7.31Y	121.9	0.01	3.11	16.92	7	356	105	96	0.04	0.0	3.730	0.050	35	10	4	63
PL.60656	PL.53356	ABC	#1/0 ACSR	7.31Y	121.9	0.02	3.13	15.25	7	321	94	96	0.06	0.0	3.820	0.090	0	0	0	59
PL.60654	PL.60656	B	#2 ACSR	7.31Y	121.9	0.00	3.13	0.00	0	0	0	100	0.00	0.0	3.860	0.040	0	0	0	0
PL.40460	PL.60654	B	#2 ACSR	7.31Y	121.9	0.00	3.13	0.00	0	0	0	100	0.00	0.0	3.911	0.051	0	0	0	0
PL.63338	PL.60656	B	#4 ACSR	7.31Y	121.9	0.00	3.13	5.74	4	40	12	96	0.00	0.0	3.823	0.003	0	0	0	7
PD.9414	PL.63338	B	30T	7.31Y	121.9	0.00	3.13	5.74	0	40	12	96	0.00	0.0	3.823	0.003	0	0	0	7

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Balanced Voltage Drop Report  
Source: Eberle

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----			
																KW	KVAR	Cons On	Cons Thru	
PL.63339	PD.9414	B	#4 ACSR	7.31Y	121.9	0.01	3.14	5.74	4	40	12	96	0.00	0.0	3.847	0.024	0	0	0	7
PL.63340	PL.63339	B	#4 ACSR	7.31Y	121.9	0.01	3.14	5.74	4	40	12	96	0.00	0.0	3.871	0.023	0	0	0	7
PL.60661	PL.63340	B	#1/0 ACSR	7.31Y	121.9	0.00	3.15	1.49	1	10	3	96	0.00	0.0	4.002	0.131	10	3	1	1
PL.60659	PL.63340	B	#4 ACSR	7.31Y	121.8	0.02	3.16	2.74	2	19	6	95	0.00	0.0	4.011	0.141	5	1	1	4
PL.52523	PL.60659	B	#4 ACSR	7.31Y	121.8	0.01	3.17	2.06	2	14	4	96	0.00	0.0	4.147	0.136	6	2	1	3
PL.52522	PL.52523	B	#4 ACSR	7.31Y	121.8	0.00	3.17	1.18	1	8	2	97	0.00	0.0	4.207	0.060	4	1	1	2
PL.52524	PL.52522	B	#4 ACSR	7.31Y	121.8	0.00	3.17	0.64	0	5	1	98	0.00	0.0	4.373	0.166	5	1	1	1
PL.60660	PL.63340	B	#1/0 ACSR	7.31Y	121.9	0.00	3.14	1.51	1	11	3	96	0.00	0.0	3.896	0.026	11	3	2	2
PL.60655	PL.60656	ABC	#1/0 ACSR	7.31Y	121.9	0.01	3.14	13.34	6	281	82	96	0.02	0.0	3.862	0.042	0	0	0	52
PL.60653	PL.60655	ABC	#1/0 ACSR	7.31Y	121.8	0.05	3.19	12.82	6	270	79	96	0.10	0.0	4.094	0.232	9	3	1	51
PL.40967	PL.60653	ABC	#1/0 ACSR	7.31Y	121.8	0.01	3.20	12.42	5	261	76	96	0.02	0.0	4.135	0.041	0	0	0	50
PL.40998	PL.40967	ABC	#1/0 ACSR	7.31Y	121.8	0.01	3.21	12.42	5	261	76	96	0.01	0.0	4.167	0.032	0	0	0	50
PL.60705	PL.40998	ABC	#1/0 ACSR	7.31Y	121.8	0.01	3.22	11.79	5	248	73	96	0.02	0.0	4.231	0.064	0	0	2	47
PL.60706	PL.60705	ABC	#1/0 ACSR	7.30Y	121.7	0.03	3.25	11.77	5	248	72	96	0.05	0.0	4.353	0.122	0	0	0	45
PL.40999	PL.60706	B	6 A (CWC)	7.30Y	121.7	0.00	3.25	15.36	11	108	31	96	0.00	0.0	4.359	0.006	0	0	0	20
PD.6297	PL.40999	B	40QA	7.30Y	121.7	0.00	3.25	15.36	38	108	31	96	0.00	0.0	4.359	0.006	0	0	0	20
PL.41000	PD.6297	B	6 A (CWC)	7.30Y	121.7	0.03	3.28	15.36	11	108	31	96	0.02	0.0	4.395	0.036	0	0	0	20
PL.40349	PL.41000	B	6 A (CWC)	7.30Y	121.7	0.00	3.28	0.82	1	6	2	95	0.00	0.0	4.475	0.080	6	2	1	1
PL.41001	PL.41000	B	6 A (CWC)	7.30Y	121.6	0.08	3.35	14.54	10	102	29	96	0.06	0.1	4.508	0.113	0	0	0	19
PL.41002	PL.41001	B	6 A (CWC)	7.29Y	121.5	0.12	3.47	14.54	10	102	29	96	0.09	0.1	4.695	0.187	11	3	1	19
PL.41003	PL.41002	B	6 A (CWC)	7.29Y	121.5	0.05	3.52	12.90	9	90	26	96	0.04	0.0	4.785	0.089	3	1	1	18
PL.41004	PL.41003	B	6 A (CWC)	7.29Y	121.4	0.05	3.57	12.53	9	88	25	96	0.03	0.0	4.872	0.087	7	2	2	17
PL.53353	PL.41004	B	6 A (CWC)	7.28Y	121.4	0.04	3.61	11.57	8	81	23	96	0.02	0.0	4.942	0.070	9	3	1	15
PL.53354	PL.53353	B	6 A (CWC)	7.28Y	121.4	0.01	3.62	4.32	3	30	9	96	0.00	0.0	5.014	0.072	3	1	1	5
PL.40510	PL.53354	B	6 A (CWC)	7.28Y	121.4	0.01	3.63	3.74	3	26	8	96	0.00	0.0	5.101	0.087	7	2	1	3
PL.40511	PL.40510	B	6 A (CWC)	7.28Y	121.3	0.03	3.66	2.70	2	19	6	95	0.00	0.0	5.329	0.228	2	1	1	2
PL.41134	PL.40511	B	6 A (CWC)	7.28Y	121.3	0.00	3.67	2.42	2	17	5	96	0.00	0.0	5.391	0.062	17	5	1	1
PL.40700	PL.53354	B	6 A (CWC)	7.28Y	121.4	0.00	3.62	0.21	0	1	0	100	0.00	0.0	5.068	0.054	1	0	1	1
PL.53355	PL.53353	B	6 A (CWC)	7.28Y	121.4	0.03	3.64	6.03	4	42	12	96	0.01	0.0	5.056	0.114	0	0	1	9
PL.41135	PL.53355	B	6 A (CWC)	7.28Y	121.3	0.01	3.65	6.03	4	42	12	96	0.00	0.0	5.104	0.047	7	2	1	8
PL.56757	PL.41135	B	6 A (CWC)	7.28Y	121.3	0.00	3.65	1.34	1	9	3	95	0.00	0.0	5.180	0.076	9	3	1	1

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Balanced Voltage Drop Report  
Source: Eberle

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.56758	PL.56757	B	6 A (CWC)	7.28Y	121.3	0.00	3.65	0.00	0	0	0	100	0.00	0.0	5.411	0.232	0	0	0	0
PL.41140	PL.56758	B	6 A (CWC)	7.28Y	121.3	0.00	3.65	0.00	0	0	0	100	0.00	0.0	5.527	0.116	0	0	0	0
PL.41136	PL.41135	B	6 A (CWC)	7.28Y	121.3	0.01	3.66	3.70	3	26	7	97	0.00	0.0	5.178	0.074	0	0	2	6
PL.41137	PL.41136	B	#4 ACSR	7.28Y	121.3	0.00	3.67	1.41	1	10	3	96	0.00	0.0	5.216	0.038	6	2	1	2
PL.41138	PL.41137	B	#4 ACSR	7.28Y	121.3	0.00	3.67	0.50	0	3	1	95	0.00	0.0	5.282	0.066	3	1	1	1
PL.60716	PL.41136	B	6 A (CWC)	7.28Y	121.3	0.00	3.67	2.24	2	16	4	97	0.00	0.0	5.224	0.046	14	4	1	2
PL.60717	PL.60716	B	6 A (CWC)	7.28Y	121.3	0.00	3.67	0.23	0	2	0	100	0.00	0.0	5.300	0.076	0	0	0	1
PL.41139	PL.60717	B	6 A (CWC)	7.28Y	121.3	0.00	3.67	0.23	0	2	0	100	0.00	0.0	5.340	0.040	0	0	0	1
PL.40329	PL.41139	B	1/0 AL URD	7.28Y	121.3	0.00	3.67	0.23	0	2	0	100	0.00	0.0	5.532	0.192	2	0	1	1
PL.40187	PL.60706	B	6 A (CWC)	7.30Y	121.7	0.00	3.25	10.67	8	75	22	96	0.00	0.0	4.359	0.006	0	0	0	11
PD.6317	PL.40187	B	40QA	7.30Y	121.7	0.00	3.25	10.67	27	75	22	96	0.00	0.0	4.359	0.006	0	0	0	11
PL.52579	PD.6317	B	6 A (CWC)	7.30Y	121.7	0.01	3.26	10.67	8	75	22	96	0.01	0.0	4.380	0.021	0	0	1	11
PL.52580	PL.52579	B	6 A (CWC)	7.29Y	121.5	0.25	3.51	10.67	8	75	22	96	0.14	0.2	4.892	0.511	0	0	0	10
PL.40484	PL.52580	B	6 A (CWC)	7.29Y	121.4	0.05	3.57	10.17	7	71	21	96	0.03	0.0	5.003	0.112	0	0	1	9
PL.40485	PL.40484	B	6 A (CWC)	7.28Y	121.4	0.03	3.60	10.11	7	71	21	96	0.02	0.0	5.076	0.072	0	0	0	8
PL.40486	PL.40485	B	6 A (CWC)	7.28Y	121.4	0.03	3.63	8.48	6	59	17	96	0.01	0.0	5.156	0.081	7	2	1	7
PL.40487	PL.40486	B	6 A (CWC)	7.28Y	121.3	0.08	3.70	7.46	5	52	15	96	0.03	0.1	5.376	0.219	0	0	0	6
PL.52624	PL.40487	B	6 A (CWC)	7.28Y	121.3	0.03	3.73	7.46	5	52	15	96	0.01	0.0	5.481	0.105	18	5	1	6
PL.52625	PL.52624	B	6 A (CWC)	7.27Y	121.2	0.03	3.76	4.90	4	34	10	96	0.01	0.0	5.608	0.127	0	0	0	5
PL.40488	PL.52625	B	6 A (CWC)	7.27Y	121.2	0.02	3.78	4.90	4	34	10	96	0.00	0.0	5.687	0.079	0	0	0	5
PL.40489	PL.40488	B	6 A (CWC)	7.27Y	121.2	0.01	3.79	4.90	4	34	10	96	0.00	0.0	5.737	0.050	11	3	1	5
PL.40490	PL.40489	B	6 A (CWC)	7.27Y	121.2	0.01	3.80	3.30	2	23	7	96	0.00	0.0	5.805	0.069	0	0	0	4
PL.52527	PL.40490	B	6 A (CWC)	7.27Y	121.2	0.01	3.81	2.73	2	19	6	95	0.00	0.0	5.855	0.050	0	0	1	3
PL.52622	PL.52527	B	6 A (CWC)	7.27Y	121.2	0.01	3.82	2.73	2	19	6	95	0.00	0.0	5.932	0.077	0	0	0	2
PL.52526	PL.52622	B	#1/0 ACSR	7.27Y	121.2	0.00	3.82	1.20	1	8	2	97	0.00	0.0	5.968	0.036	8	2	1	1
PL.52525	PL.52622	B	6 A (CWC)	7.27Y	121.2	0.00	3.82	1.53	1	11	3	96	0.00	0.0	6.024	0.093	11	3	1	1
PL.52623	PL.40490	B	#1/0 ACSR	7.27Y	121.2	0.00	3.80	0.56	0	4	1	97	0.00	0.0	5.895	0.090	4	1	1	1
PL.39663	PL.40488	B	6 A (CWC)	7.27Y	121.2	0.00	3.78	0.00	0	0	0	100	0.00	0.0	5.756	0.069	0	0	0	0
PL.40198	PL.40485	B	#4 ACSR	7.28Y	121.4	0.00	3.60	1.63	1	11	3	96	0.00	0.0	5.126	0.051	11	3	1	1
PL.40354	PL.40484	B	6 A (CWC)	7.29Y	121.4	0.00	3.57	0.00	0	0	0	100	0.00	0.0	5.340	0.336	0	0	0	0
PL.40723	PL.52580	B	#4 ACSR	7.29Y	121.5	0.00	3.51	0.50	0	3	1	95	0.00	0.0	4.967	0.076	3	1	1	1

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

Balanced Voltage Drop Report  
Source: Eberle

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.40576	PL.60706	B	#2 ACSR	7.30Y	121.7	0.02	3.27	9.29	5	65	19	96	0.01	0.0	4.417	0.064	0	0	0	14
PL.40491	PL.40576	B	#2 ACSR	7.30Y	121.7	0.00	3.27	9.29	5	65	19	96	0.00	0.0	4.423	0.006	0	0	0	14
PD.6286	PL.40491	B	40QA	7.30Y	121.7	0.00	3.27	9.29	23	65	19	96	0.00	0.0	4.423	0.006	0	0	0	14
PL.52577	PD.6286	B	#2 ACSR	7.30Y	121.7	0.08	3.35	9.29	5	65	19	96	0.04	0.1	4.703	0.280	6	2	1	14
PL.52520	PL.52577	B	6 A (CWC)	7.30Y	121.6	0.00	3.35	0.90	1	6	2	95	0.00	0.0	4.828	0.125	2	1	1	2
PL.52521	PL.52520	B	6 A (CWC)	7.30Y	121.6	0.01	3.36	0.58	0	4	1	97	0.00	0.0	5.148	0.320	0	0	0	1
PL.40492	PL.52521	B	6 A (CWC)	7.30Y	121.6	0.00	3.36	0.58	0	4	1	97	0.00	0.0	5.264	0.116	4	1	1	1
PL.52578	PL.52577	B	6 A (CWC)	7.30Y	121.6	0.04	3.39	7.54	5	53	16	96	0.01	0.0	4.824	0.121	15	5	2	11
PL.40493	PL.52578	B	6 A (CWC)	7.30Y	121.6	0.03	3.41	5.36	4	38	11	96	0.01	0.0	4.936	0.112	1	0	1	9
PL.40494	PL.40493	B	6 A (CWC)	7.29Y	121.6	0.02	3.43	2.52	2	18	5	96	0.00	0.0	5.100	0.164	0	0	0	6
PL.40497	PL.40494	B	6 A (CWC)	7.29Y	121.6	0.00	3.44	0.53	0	4	1	97	0.00	0.0	5.281	0.181	0	0	0	1
PL.40355	PL.40497	B	#4 ACSR	7.29Y	121.6	0.00	3.44	0.53	0	4	1	97	0.00	0.0	5.440	0.159	4	1	1	1
PL.40498	PL.40497	B	6 A (CWC)	7.29Y	121.6	0.00	3.44	0.00	0	0	0	100	0.00	0.0	5.471	0.190	0	0	0	0
PL.40495	PL.40494	B	6 A (CWC)	7.29Y	121.6	0.01	3.44	1.99	1	14	4	96	0.00	0.0	5.182	0.082	0	0	0	5
PL.40496	PL.40495	B	6 A (CWC)	7.29Y	121.6	0.00	3.44	1.99	1	14	4	96	0.00	0.0	5.223	0.040	0	0	1	5
PL.59230	PL.40496	B	6 A (CWC)	7.29Y	121.5	0.02	3.46	1.98	1	14	4	96	0.00	0.0	5.520	0.297	9	3	2	4
PL.59231	PL.59230	B	6 A (CWC)	7.29Y	121.5	0.00	3.46	0.66	0	5	1	98	0.00	0.0	5.586	0.066	5	1	1	2
PL.40818	PL.59231	B	6 A (CWC)	7.29Y	121.5	0.00	3.46	0.00	0	0	0	100	0.00	0.0	5.628	0.042	0	0	1	1
PL.40140	PL.40495	B	6 A (CWC)	7.29Y	121.6	0.00	3.44	0.00	0	0	0	100	0.00	0.0	5.296	0.113	0	0	0	0
PL.40139	PL.40493	B	6 A (CWC)	7.30Y	121.6	0.00	3.41	0.00	0	0	0	100	0.00	0.0	5.204	0.268	0	0	0	0
PL.52575	PL.40493	B	#4 ACSR	7.29Y	121.6	0.01	3.42	2.69	2	19	6	95	0.00	0.0	5.027	0.091	11	3	1	2
PL.52576	PL.52575	B	#1/0 ACSR	7.29Y	121.6	0.00	3.42	1.12	0	8	2	97	0.00	0.0	5.077	0.049	8	2	1	1
PL.40968	PL.40998	B	#4 ACSR	7.31Y	121.8	0.00	3.21	1.87	1	13	4	96	0.00	0.0	4.190	0.023	13	4	3	3
PL.40969	PL.40968	B	#4 ACSR	7.31Y	121.8	0.00	3.21	0.00	0	0	0	100	0.00	0.0	4.244	0.054	0	0	0	0
PL.60657	PL.60655	A	#1/0 ACSR	7.31Y	121.9	0.00	3.14	1.55	1	11	3	96	0.00	0.0	3.865	0.003	0	0	0	1
PD.9054	PL.60657	A	15QA	7.31Y	121.9	0.00	3.14	1.55	0	11	3	96	0.00	0.0	3.865	0.003	0	0	0	1
PL.60658	PD.9054	A	#1/0 ACSR	7.31Y	121.9	0.00	3.14	1.55	1	11	3	96	0.00	0.0	3.924	0.059	11	3	1	1
PL.41077	PL.57618	B	6 A (CWC)	7.32Y	121.9	0.00	3.05	3.60	3	25	7	96	0.00	0.0	3.565	0.006	0	0	0	4
PD.6287	PL.41077	B	30T	7.32Y	121.9	0.00	3.05	3.60	0	25	7	96	0.00	0.0	3.565	0.006	0	0	0	4
PL.41078	PD.6287	B	6 A (CWC)	7.31Y	121.9	0.03	3.09	3.60	3	25	7	96	0.01	0.0	3.758	0.193	0	0	0	4
PL.41080	PL.41078	B	#4 ACSR	7.31Y	121.9	0.01	3.10	3.27	3	23	7	96	0.00	0.0	3.847	0.089	0	0	0	3

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.41081	PL.41080	B	#4 ACSR	7.31Y	121.9	0.01	3.11	3.27	3	23	7	96	0.00	0.0	3.946	0.099	6	2	1	3
PL.57940	PL.41081	B	#4 ACSR	7.31Y	121.9	0.00	3.11	2.43	2	17	5	96	0.00	0.0	3.982	0.036	17	5	2	2
PL.41079	PL.41078	B	6 A (CWC)	7.31Y	121.9	0.00	3.09	0.33	0	2	1	89	0.00	0.0	3.975	0.217	2	1	1	1
PL.57619	PL.57617	A	#1/0 ACSR	7.32Y	122.0	0.00	3.03	1.10	0	8	2	97	0.00	0.0	3.481	0.004	0	0	0	2
PD.8389	PL.57619	A	15T	7.32Y	122.0	0.00	3.03	1.10	0	8	2	97	0.00	0.0	3.481	0.004	0	0	0	2
PL.57620	PD.8389	A	#1/0 ACSR	7.32Y	122.0	0.00	3.03	1.10	0	8	2	97	0.00	0.0	3.535	0.054	8	2	2	2
PL.41069	PL.41068	C	#2 ACSR	7.33Y	122.2	0.00	2.76	2.69	2	19	6	95	0.00	0.0	2.839	0.006	0	0	0	1
PD.6330	PL.41069	C	60QA	7.33Y	122.2	0.00	2.76	2.69	4	19	6	95	0.00	0.0	2.839	0.006	0	0	0	1
PL.41070	PD.6330	C	#2 ACSR	7.33Y	122.2	0.00	2.76	2.69	2	19	6	95	0.00	0.0	2.855	0.016	19	6	1	1
PL.40348	PL.40540	B	#1/0 ACSR	7.37Y	122.8	0.00	2.24	0.06	0	0	0	100	0.00	0.0	2.030	0.031	0	0	1	1
PL.40541	PL.40955	A	#2 ACSR	7.37Y	122.8	0.00	2.20	2.59	1	18	5	96	0.00	0.0	1.946	0.006	0	0	0	3
PD.6288	PL.40541	A	10QA	7.37Y	122.8	0.00	2.20	2.59	0	18	5	96	0.00	0.0	1.946	0.006	0	0	0	3
PL.40542	PD.6288	A	#2 ACSR	7.37Y	122.8	0.00	2.20	2.59	1	18	5	96	0.00	0.0	1.967	0.021	18	5	2	3
PL.40543	PL.40542	A	#2 ACSR	7.37Y	122.8	0.00	2.20	0.02	0	0	0	100	0.00	0.0	1.976	0.009	0	0	1	1
PL.40953	PL.62178	A	6 A (CWC)	7.37Y	122.8	0.00	2.16	3.53	3	25	7	96	0.00	0.0	1.897	0.006	0	0	0	3
PD.6315	PL.40953	A	60QA	7.37Y	122.8	0.00	2.16	3.53	6	25	7	96	0.00	0.0	1.897	0.006	0	0	0	3
PL.40954	PD.6315	A	6 A (CWC)	7.37Y	122.8	0.00	2.17	3.53	3	25	7	96	0.00	0.0	1.933	0.036	25	7	3	3
PL.62177	PL.62180	C	6 A (CWC)	7.37Y	122.9	0.00	2.09	2.30	2	16	5	95	0.00	0.0	1.795	0.006	0	0	0	2
PD.6294	PL.62177	C	60QA	7.37Y	122.9	0.00	2.09	2.30	4	16	5	95	0.00	0.0	1.795	0.006	0	0	0	2
PL.40952	PD.6294	C	6 A (CWC)	7.37Y	122.9	0.00	2.09	2.30	2	16	5	95	0.00	0.0	1.803	0.009	16	5	2	2
PL.40950	PL.40949	A	#1/0 ACSR	7.38Y	123.0	0.00	2.02	0.73	0	5	2	93	0.00	0.0	1.704	0.006	0	0	0	2
PD.6314	PL.40950	A	60QA	7.38Y	123.0	0.00	2.02	0.73	1	5	2	93	0.00	0.0	1.704	0.006	0	0	0	2
PL.40951	PD.6314	A	#1/0 ACSR	7.38Y	123.0	0.00	2.02	0.73	0	5	2	93	0.00	0.0	1.739	0.034	5	2	2	2
PL.64413	PL.40951	A	#1/0 ACSR	7.38Y	123.0	0.00	2.02	0.00	0	0	0	100	0.00	0.0	1.802	0.064	0	0	0	0
PL.62182	PL.40433	ABC	336 MCM AC	7.37Y	122.9	0.07	2.08	120.94	23	2562	779	96	0.98	0.0	1.739	0.079	0	0	0	383
PL.62183	PL.62182	ABC	#1/0 ACSR	7.37Y	122.8	0.11	2.20	120.94	53	2561	777	96	2.01	0.1	1.791	0.052	0	0	0	383
PL.62184	PL.62183	ABC	#1/0 ACSR	7.37Y	122.8	0.04	2.24	120.94	53	2559	775	96	0.74	0.0	1.810	0.019	0	0	0	383
PL.62185	PL.62184	ABC	#1/0 ACSR	7.36Y	122.7	0.03	2.27	37.26	16	786	245	95	0.14	0.0	1.847	0.037	0	0	0	140
PD.9283	PL.62185	ABC	50L	7.36Y	122.7	0.00	2.27	37.26	75	786	245	95	0.00	0.0	1.847	0.037	0	0	0	140
PL.62186	PD.9283	ABC	#1/0 ACSR	7.35Y	122.6	0.16	2.43	37.26	16	786	245	95	0.87	0.1	2.082	0.235	3	1	1	140
PL.62181	PL.62186	ABC	#1/0 ACSR	7.34Y	122.3	0.29	2.71	37.12	16	782	243	95	1.55	0.2	2.503	0.421	0	0	0	139

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.39799	PL.62181	ABC	#1/0 ACSR	7.34Y	122.3	0.03	2.75	37.12	16	781	241	96	0.19	0.0	2.554	0.051	0	0	0	139
PL.39800	PL.39799	ABC	#1/0 ACSR	7.33Y	122.2	0.02	2.77	37.12	16	780	241	96	0.10	0.0	2.582	0.028	0	0	0	139
PL.39801	PL.39800	C	#2 ACSR	7.33Y	122.2	0.00	2.77	1.74	1	12	4	95	0.00	0.0	2.588	0.006	0	0	0	1
PD.6354	PL.39801	C	40QA	7.33Y	122.2	0.00	2.77	1.74	4	12	4	95	0.00	0.0	2.588	0.006	0	0	0	1
PL.39802	PD.6354	C	#2 ACSR	7.33Y	122.2	0.00	2.77	1.74	1	12	4	95	0.00	0.0	2.617	0.029	12	4	1	1
PL.40128	PL.39800	ABC	#1/0 ACSR	7.33Y	122.2	0.08	2.84	36.54	16	768	238	96	0.40	0.1	2.696	0.114	0	0	0	138
PL.60688	PL.40128	ABC	#1/0 ACSR	7.33Y	122.1	0.07	2.91	35.91	16	754	233	96	0.37	0.0	2.802	0.106	0	0	0	137
PL.60824	PL.60688	A	#1/0 ACSR	7.33Y	122.1	0.00	2.91	1.43	1	10	3	96	0.00	0.0	2.806	0.004	0	0	0	1
PD.9055	PL.60824	A	10T	7.33Y	122.1	0.00	2.91	1.43	0	10	3	96	0.00	0.0	2.806	0.004	0	0	0	1
PL.60825	PD.9055	A	#1/0 ACSR	7.32Y	122.1	0.00	2.92	1.43	1	10	3	96	0.00	0.0	3.069	0.264	10	3	1	1
PL.60689	PL.60688	ABC	#1/0 ACSR	7.32Y	122.1	0.02	2.94	35.44	15	744	230	96	0.12	0.0	2.838	0.035	0	0	0	136
PL.40130	PL.60689	C	#4 ACSR	7.32Y	122.1	0.00	2.94	0.81	1	6	2	95	0.00	0.0	2.843	0.006	0	0	0	1
PD.6298	PL.40130	C	40QA	7.32Y	122.1	0.00	2.94	0.81	2	6	2	95	0.00	0.0	2.843	0.006	0	0	0	1
PL.40131	PD.6298	C	#4 ACSR	7.32Y	122.1	0.00	2.94	0.81	1	6	2	95	0.00	0.0	2.874	0.030	0	0	0	1
PL.40129	PL.40131	C	#4 ACSR	7.32Y	122.1	0.00	2.94	0.00	0	0	0	100	0.00	0.0	2.967	0.093	0	0	0	0
PL.40138	PL.40131	C	#4 ACSR	7.32Y	122.1	0.00	2.94	0.81	1	6	2	95	0.00	0.0	2.907	0.033	6	2	1	1
PL.40132	PL.60689	ABC	#1/0 ACSR	7.31Y	121.9	0.18	3.12	35.17	15	738	228	96	0.94	0.1	3.123	0.285	0	0	0	135
PL.40848	PL.40132	ABC	#1/0 ACSR	7.31Y	121.8	0.04	3.16	34.52	15	724	223	96	0.19	0.0	3.184	0.061	0	0	0	133
PL.40854	PL.40848	ABC	#1/0 ACSR	7.30Y	121.6	0.23	3.39	32.27	14	676	209	96	1.07	0.2	3.571	0.387	0	0	0	128
PL.40855	PL.40854	ABC	#1/0 ACSR	7.29Y	121.5	0.07	3.46	32.27	14	675	208	96	0.34	0.1	3.694	0.123	0	0	0	128
PL.40856	PL.40855	ABC	#1/0 ACSR	7.28Y	121.4	0.13	3.59	32.27	14	675	208	96	0.60	0.1	3.911	0.217	0	0	0	128
PL.40857	PL.40856	ABC	#1/0 ACSR	7.27Y	121.2	0.17	3.76	32.27	14	674	207	96	0.79	0.1	4.196	0.285	2	1	1	128
PL.40858	PL.40857	ABC	#1/0 ACSR	7.27Y	121.2	0.04	3.79	32.16	14	671	206	96	0.18	0.0	4.260	0.064	0	0	0	127
PL.40859	PL.40858	ABC	#1/0 ACSR	7.27Y	121.1	0.09	3.89	31.33	14	653	201	96	0.43	0.1	4.424	0.164	0	0	0	125
PL.40862	PL.40859	ABC	#1/0 ACSR	7.26Y	121.1	0.04	3.93	30.78	13	641	197	96	0.18	0.0	4.494	0.070	0	0	0	122
PL.40863	PL.40862	A	#4 ACSR	7.26Y	121.1	0.00	3.93	0.00	0	0	0	100	0.00	0.0	4.500	0.006	0	0	0	0
PD.6296	PL.40863	A	40QA	7.26Y	121.1	0.00	3.93	0.00	0	0	0	100	0.00	0.0	4.500	0.006	0	0	0	0
PL.40864	PD.6296	A	#4 ACSR	7.26Y	121.1	0.00	3.93	0.00	0	0	0	100	0.00	0.0	4.509	0.010	0	0	0	0
PL.40865	PL.40862	ABC	#1/0 ACSR	7.25Y	120.8	0.25	4.17	30.78	13	641	197	96	1.10	0.2	4.930	0.436	0	0	0	122
PL.40866	PL.40865	ABC	#1/0 ACSR	7.24Y	120.7	0.13	4.30	30.78	13	640	196	96	0.56	0.1	5.154	0.223	0	0	0	122
PL.40868	PL.40866	C	#4 ACSR	7.24Y	120.7	0.00	4.30	0.00	0	0	0	100	0.00	0.0	5.159	0.006	0	0	0	0

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Balanced Voltage Drop Report  
Source: Eberle

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.6368	PL.40868	C	40QA	7.24Y	120.7	0.00	4.30	0.00	0	0	0	100	0.00	0.0	5.159	0.006	0	0	0	0
PL.40869	PD.6368	C	#4 ACSR	7.24Y	120.7	0.00	4.30	0.00	0	0	0	100	0.00	0.0	5.184	0.025	0	0	0	0
PL.40733	PL.40866	C	#4 ACSR	7.24Y	120.7	0.00	4.30	0.00	0	0	0	100	0.00	0.0	5.192	0.038	0	0	0	0
PL.40867	PL.40866	ABC	#1/0 ACSR	7.24Y	120.7	0.02	4.32	30.28	13	629	192	96	0.10	0.0	5.193	0.040	0	0	0	121
PL.41082	PL.40867	B	6 A (CWC)	7.24Y	120.7	0.00	4.32	3.49	2	24	7	96	0.00	0.0	5.199	0.006	0	0	0	4
PD.6357	PL.41082	B	40QA	7.24Y	120.7	0.00	4.32	3.49	9	24	7	96	0.00	0.0	5.199	0.006	0	0	0	4
PL.41083	PD.6357	B	6 A (CWC)	7.24Y	120.7	0.00	4.33	3.49	2	24	7	96	0.00	0.0	5.228	0.029	0	0	0	4
PL.41086	PL.41083	B	6 A (CWC)	7.24Y	120.7	0.01	4.33	3.49	2	24	7	96	0.00	0.0	5.302	0.074	18	5	2	4
PL.41087	PL.41086	B	6 A (CWC)	7.24Y	120.7	0.00	4.34	0.95	1	7	2	96	0.00	0.0	5.496	0.194	6	2	1	2
PL.41088	PL.41087	B	6 A (CWC)	7.24Y	120.7	0.00	4.34	0.04	0	0	0	100	0.00	0.0	5.806	0.310	0	0	0	1
PL.41089	PL.41088	B	6 A (CWC)	7.24Y	120.7	0.00	4.34	0.04	0	0	0	100	0.00	0.0	5.981	0.174	0	0	0	1
PL.40499	PL.41089	B	6 A (CWC)	7.24Y	120.7	0.00	4.34	0.04	0	0	0	100	0.00	0.0	6.173	0.192	0	0	0	1
PL.40500	PL.40499	B	6 A (CWC)	7.24Y	120.7	0.00	4.34	0.04	0	0	0	100	0.00	0.0	6.370	0.198	0	0	1	1
PL.40145	PL.40499	B	#4 ACSR	7.24Y	120.7	0.00	4.34	0.00	0	0	0	100	0.00	0.0	6.479	0.306	0	0	0	0
PL.40288	PL.40867	ABC	#1/0 ACSR	7.22Y	120.3	0.34	4.66	29.12	13	605	185	96	1.43	0.2	5.826	0.633	0	0	0	117
PL.52675	PL.40288	ABC	#1/0 ACSR	7.21Y	120.2	0.10	4.76	29.12	13	604	183	96	0.44	0.1	6.019	0.193	0	0	0	117
PL.52678	PL.52675	ABC	#1/0 ACSR	7.21Y	120.2	0.06	4.82	29.12	13	603	183	96	0.24	0.0	6.125	0.106	0	0	0	117
PL.52679	PL.52678	ABC	#1/0 ACSR	7.20Y	120.1	0.11	4.92	29.12	13	603	183	96	0.45	0.1	6.327	0.201	0	0	0	117
PL.52677	PL.52679	C	#2 ACSR	7.20Y	120.1	0.00	4.92	0.00	0	0	0	100	0.00	0.0	6.332	0.006	0	0	0	0
PD.6351	PL.52677	C	40QA	7.20Y	120.1	0.00	4.92	0.00	0	0	0	100	0.00	0.0	6.332	0.006	0	0	0	0
PL.40550	PD.6351	C	#2 ACSR	7.20Y	120.1	0.00	4.92	0.00	0	0	0	100	0.00	0.0	6.361	0.029	0	0	0	0
PL.52676	PL.52679	ABC	#1/0 ACSR	7.20Y	120.0	0.10	5.02	29.12	13	602	182	96	0.41	0.1	6.508	0.181	0	0	0	117
PL.40551	PL.52676	ABC	#1/0 ACSR	7.20Y	119.9	0.06	5.08	29.12	13	602	182	96	0.24	0.0	6.614	0.106	0	0	0	117
PL.64665	PL.40551	ABC	#1/0 ACSR	7.19Y	119.9	0.04	5.12	28.52	12	589	178	96	0.16	0.0	6.689	0.075	0	0	0	114
PL.64666	PL.64665	B	6 A (CWC)	7.19Y	119.9	0.01	5.12	19.14	14	132	39	96	0.01	0.0	6.695	0.006	0	0	0	29
PD.6391	PL.64666	B	35L	7.19Y	119.9	0.00	5.12	19.14	55	132	39	96	0.00	0.0	6.695	0.006	0	0	0	29
PL.41052	PD.6391	B	6 A (CWC)	7.19Y	119.9	0.02	5.14	19.14	14	132	39	96	0.02	0.0	6.718	0.022	0	0	0	29
PL.41053	PL.41052	B	6 A (CWC)	7.19Y	119.8	0.05	5.19	19.14	14	132	39	96	0.05	0.0	6.781	0.063	11	3	1	29
PL.40556	PL.41053	B	6 A (CWC)	7.18Y	119.7	0.09	5.28	17.60	13	121	36	96	0.08	0.1	6.891	0.110	3	1	2	28
PL.40501	PL.40556	B	6 A (CWC)	7.18Y	119.7	0.07	5.35	17.18	12	118	35	96	0.06	0.1	6.978	0.087	5	1	1	26
PL.41141	PL.40501	B	6 A (CWC)	7.18Y	119.6	0.04	5.39	16.50	12	114	34	96	0.03	0.0	7.030	0.052	0	0	0	25

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.57922	PL.41141	B	6 A (CWC)	7.17Y	119.6	0.04	5.43	16.50	12	114	34	96	0.03	0.0	7.080	0.050	0	0	0	25
PL.57923	PL.57922	B	6 A (CWC)	7.17Y	119.5	0.05	5.47	16.50	12	114	34	96	0.04	0.0	7.142	0.062	5	1	1	25
PL.41142	PL.57923	B	6 A (CWC)	7.17Y	119.5	0.01	5.48	15.80	11	109	32	96	0.01	0.0	7.155	0.012	1	0	1	24
PL.41143	PL.41142	B	6 A (CWC)	7.17Y	119.5	0.01	5.50	4.23	3	29	9	96	0.00	0.0	7.233	0.078	4	1	1	9
PL.41145	PL.41143	B	6 A (CWC)	7.17Y	119.5	0.05	5.54	3.63	3	25	7	96	0.01	0.0	7.522	0.289	1	0	1	8
PL.41146	PL.41145	B	6 A (CWC)	7.17Y	119.4	0.02	5.56	3.42	2	24	7	96	0.00	0.0	7.646	0.124	5	2	1	7
PL.41147	PL.41146	B	6 A (CWC)	7.17Y	119.4	0.01	5.57	2.62	2	18	5	96	0.00	0.0	7.795	0.149	14	4	4	6
PL.41148	PL.41147	B	6 A (CWC)	7.17Y	119.4	0.00	5.57	0.60	0	4	1	97	0.00	0.0	7.978	0.183	4	1	2	2
PL.41144	PL.41142	B	6 A (CWC)	7.17Y	119.5	0.04	5.53	11.40	8	78	23	96	0.03	0.0	7.246	0.092	10	3	1	14
PL.41149	PL.41144	B	6 A (CWC)	7.16Y	119.4	0.10	5.62	9.92	7	68	20	96	0.05	0.1	7.476	0.230	10	3	1	13
PL.41151	PL.41149	B	6 A (CWC)	7.16Y	119.3	0.04	5.66	8.41	6	58	17	96	0.02	0.0	7.576	0.100	0	0	0	12
PL.41152	PL.41151	B	6 A (CWC)	7.16Y	119.3	0.03	5.69	6.89	5	47	14	96	0.01	0.0	7.659	0.082	0	0	1	11
PL.41150	PL.41152	B	6 A (CWC)	7.15Y	119.2	0.08	5.77	6.85	5	47	14	96	0.03	0.1	7.932	0.274	4	1	1	10
PL.41153	PL.41150	B	6 A (CWC)	7.15Y	119.2	0.02	5.79	6.28	4	43	13	96	0.01	0.0	7.994	0.062	3	1	1	9
PL.40871	PL.41153	B	6 A (CWC)	7.15Y	119.2	0.05	5.84	5.84	4	40	12	96	0.01	0.0	8.189	0.195	5	1	1	8
PL.40872	PL.40871	B	6 A (CWC)	7.15Y	119.2	0.01	5.85	5.18	4	36	10	96	0.00	0.0	8.231	0.042	10	3	1	7
PL.40873	PL.40872	B	6 A (CWC)	7.15Y	119.1	0.02	5.86	3.73	3	26	8	96	0.00	0.0	8.329	0.098	0	0	0	6
PL.40874	PL.40873	B	6 A (CWC)	7.15Y	119.1	0.01	5.87	2.33	2	16	5	95	0.00	0.0	8.423	0.094	7	2	2	4
PL.40875	PL.40874	B	6 A (CWC)	7.15Y	119.1	0.01	5.88	1.37	1	9	3	95	0.00	0.0	8.607	0.184	9	3	2	2
PL.40876	PL.40873	B	6 A (CWC)	7.15Y	119.1	0.00	5.87	1.40	1	10	3	96	0.00	0.0	8.394	0.066	10	3	1	2
PL.60974	PL.40876	B	6 A (CWC)	7.15Y	119.1	0.00	5.87	0.00	0	0	0	100	0.00	0.0	8.547	0.153	0	0	0	1
PL.60727	PL.60974	B	#1/0 ACSR	7.15Y	119.1	0.00	5.87	0.00	0	0	0	100	0.00	0.0	8.603	0.056	0	0	0	1
PD.9060	PL.60727	B	15T	7.15Y	119.1	0.00	5.87	0.00	0	0	0	100	0.00	0.0	8.603	0.056	0	0	0	1
PL.60728	PD.9060	B	#1/0 ACSR	7.15Y	119.1	0.00	5.87	0.00	0	0	0	100	0.00	0.0	8.607	0.003	0	0	0	1
PL.60729	PL.60728	B	#1/0 ACSR	7.15Y	119.1	0.00	5.87	0.00	0	0	0	100	0.00	0.0	8.731	0.124	0	0	1	1
PL.60726	PL.60974	B	6 A (CWC)	7.15Y	119.1	0.00	5.87	0.00	0	0	0	100	0.00	0.0	9.441	0.894	0	0	0	0
PL.60673	PL.41151	B	6 A (CWC)	7.16Y	119.3	0.00	5.66	1.53	1	10	3	96	0.00	0.0	7.604	0.028	10	3	1	1
PL.64668	PL.64665	ABC	#1/0 ACSR	7.18Y	119.7	0.19	5.31	22.14	10	457	139	96	0.62	0.1	7.166	0.476	0	0	0	85
PL.64670	PL.64668	B	#1/0 ACSR	7.18Y	119.7	0.00	5.31	0.93	0	6	2	95	0.00	0.0	7.168	0.003	0	0	0	1
PD.9554	PL.64670	B	20T	7.18Y	119.7	0.00	5.31	0.93	0	6	2	95	0.00	0.0	7.168	0.003	0	0	0	1
PL.64671	PD.9554	B	#1/0 ACSR	7.18Y	119.7	0.00	5.31	0.93	0	6	2	95	0.00	0.0	7.223	0.054	6	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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.64669	PL.64668	ABC	#1/0 ACSR	7.16Y	119.3	0.35	5.66	21.83	9	450	136	96	1.12	0.2	8.050	0.884	0	0	1	84
PL.64667	PL.64669	ABC	#1/0 ACSR	7.16Y	119.3	0.04	5.70	21.83	9	449	135	96	0.12	0.0	8.141	0.091	0	0	0	83
PL.40195	PL.64667	B	6 A (CWC)	7.16Y	119.3	0.00	5.70	1.64	1	11	3	96	0.00	0.0	8.169	0.028	0	0	0	5
PL.40877	PL.40195	B	6 A (CWC)	7.16Y	119.3	0.00	5.70	1.64	1	11	3	96	0.00	0.0	8.175	0.006	0	0	0	5
PD.6390	PL.40877	B	35H	7.16Y	119.3	0.00	5.70	1.64	5	11	3	96	0.00	0.0	8.175	0.006	0	0	0	5
PL.40878	PD.6390	B	6 A (CWC)	7.16Y	119.3	0.00	5.70	1.64	1	11	3	96	0.00	0.0	8.223	0.048	4	1	2	5
PL.40879	PL.40878	B	6 A (CWC)	7.16Y	119.3	0.01	5.71	1.00	1	7	2	96	0.00	0.0	8.442	0.220	0	0	0	3
PL.40880	PL.40879	B	6 A (CWC)	7.16Y	119.3	0.00	5.71	1.00	1	7	2	96	0.00	0.0	8.487	0.044	0	0	0	3
PL.41154	PL.40880	B	6 A (CWC)	7.16Y	119.3	0.00	5.72	1.00	1	7	2	96	0.00	0.0	8.528	0.041	2	1	1	3
PL.41155	PL.41154	B	6 A (CWC)	7.16Y	119.3	0.00	5.72	0.72	1	5	1	98	0.00	0.0	8.585	0.057	0	0	1	2
PL.41156	PL.41155	B	6 A (CWC)	7.16Y	119.3	0.00	5.72	0.68	0	5	1	98	0.00	0.0	8.620	0.035	5	1	1	1
PL.41054	PL.41156	B	6 A (CWC)	7.16Y	119.3	0.00	5.72	0.00	0	0	0	100	0.00	0.0	8.703	0.083	0	0	0	0
PL.41055	PL.41054	B	6 A (CWC)	7.16Y	119.3	0.00	5.72	0.00	0	0	0	100	0.00	0.0	8.767	0.064	0	0	0	0
PL.41056	PL.41055	B	6 A (CWC)	7.16Y	119.3	0.00	5.72	0.00	0	0	0	100	0.00	0.0	8.857	0.090	0	0	0	0
PL.40155	PL.64667	ABC	#1/0 ACSR	7.16Y	119.3	0.02	5.71	21.28	9	438	132	96	0.05	0.0	8.186	0.045	0	0	0	78
PL.41057	PL.40155	ABC	#1/0 ACSR	7.16Y	119.3	0.00	5.72	21.28	9	437	132	96	0.01	0.0	8.192	0.006	0	0	0	78
PD.6389	PL.41057	ABC	35L	7.16Y	119.3	0.00	5.72	21.28	61	437	132	96	0.00	0.0	8.192	0.006	0	0	0	78
PL.41058	PD.6389	ABC	#1/0 ACSR	7.16Y	119.3	0.02	5.74	21.28	9	437	132	96	0.07	0.0	8.249	0.058	4	1	1	78
PL.41059	PL.41058	A	6 A (CWC)	7.16Y	119.3	0.00	5.74	0.50	0	3	1	95	0.00	0.0	8.255	0.006	0	0	0	1
PD.6281	PL.41059	A	25QA	7.16Y	119.3	0.00	5.74	0.50	2	3	1	95	0.00	0.0	8.255	0.006	0	0	0	1
PL.41060	PD.6281	A	6 A (CWC)	7.16Y	119.3	0.00	5.74	0.50	0	3	1	95	0.00	0.0	8.291	0.036	3	1	1	1
PL.41061	PL.41058	ABC	#1/0 ACSR	7.15Y	119.2	0.02	5.76	20.92	9	430	130	96	0.05	0.0	8.296	0.047	4	1	2	76
PL.41062	PL.41061	ABC	#1/0 ACSR	7.15Y	119.1	0.13	5.88	20.74	9	426	128	96	0.38	0.1	8.630	0.334	0	0	1	74
PL.41064	PL.41062	A	6 A (CWC)	7.15Y	119.1	0.00	5.88	0.99	1	7	2	96	0.00	0.0	8.636	0.006	0	0	0	1
PD.6280	PL.41064	A	25QA	7.15Y	119.1	0.00	5.88	0.99	4	7	2	96	0.00	0.0	8.636	0.006	0	0	0	1
PL.41065	PD.6280	A	6 A (CWC)	7.15Y	119.1	0.00	5.88	0.99	1	7	2	96	0.00	0.0	8.672	0.036	7	2	1	1
PL.41063	PL.41062	ABC	#1/0 ACSR	7.15Y	119.1	0.01	5.90	20.41	9	419	126	96	0.04	0.0	8.665	0.035	3	1	1	72
PL.41157	PL.41063	ABC	#1/0 ACSR	7.14Y	119.1	0.03	5.93	20.26	9	416	125	96	0.09	0.0	8.746	0.081	0	0	0	71
PL.58511	PL.41157	A	#1/0 ACSR	7.14Y	119.1	0.00	5.93	2.87	1	20	6	96	0.00	0.0	8.749	0.003	0	0	0	6
PD.8702	PL.58511	A	20T	7.14Y	119.1	0.00	5.93	2.87	0	20	6	96	0.00	0.0	8.749	0.003	0	0	0	6
PL.58512	PD.8702	A	#1/0 ACSR	7.14Y	119.1	0.00	5.93	2.87	1	20	6	96	0.00	0.0	8.794	0.045	11	3	1	6

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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

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
-----																				
PL.58510	PL.58512	A	#1/0 ACSR	7.14Y	119.1	0.00	5.93	1.32	1	9	3	95	0.00	0.0	8.817	0.023	3	1	2	5
PL.63401	PL.58510	A	#1/0 ACSR	7.14Y	119.1	0.00	5.93	0.88	0	6	2	95	0.00	0.0	8.852	0.035	0	0	1	3
PL.64328	PL.63401	A	#1/0 ACSR	7.14Y	119.1	0.00	5.93	0.85	0	6	2	95	0.00	0.0	9.077	0.225	5	2	1	2
PL.64329	PL.64328	A	#1/0 ACSR	7.14Y	119.1	0.00	5.93	0.05	0	0	0	100	0.00	0.0	9.077	0.000	0	0	0	1
PL.60710	PL.64329	A	#1/0 ACSR	7.14Y	119.1	0.00	5.93	0.05	0	0	0	100	0.00	0.0	9.173	0.096	0	0	1	1
PL.41158	PL.41157	ABC	#1/0 ACSR	7.14Y	119.1	0.02	5.95	19.30	8	396	119	96	0.07	0.0	8.814	0.068	12	4	1	65
PL.41159	PL.41158	C	#1/0 ACSR	7.14Y	119.0	0.00	5.95	2.29	1	16	5	95	0.00	0.0	8.820	0.006	0	0	0	2
PD.6367	PL.41159	C	25QA	7.14Y	119.0	0.00	5.95	2.29	9	16	5	95	0.00	0.0	8.820	0.006	0	0	0	2
PL.41160	PD.6367	C	#1/0 ACSR	7.14Y	119.0	0.00	5.95	2.29	1	16	5	95	0.00	0.0	8.837	0.017	16	5	2	2
PL.41161	PL.41158	ABC	#1/0 ACSR	7.14Y	119.0	0.02	5.97	17.93	8	368	111	96	0.04	0.0	8.866	0.052	4	1	1	62
PL.41162	PL.41161	ABC	#1/0 ACSR	7.14Y	119.0	0.01	5.98	17.76	8	364	110	96	0.03	0.0	8.907	0.041	2	1	2	61
PL.41163	PL.41162	ABC	#1/0 ACSR	7.14Y	119.0	0.02	6.00	17.66	8	362	109	96	0.04	0.0	8.954	0.047	0	0	0	59
PL.41167	PL.41163	A	#4 ACSR	7.14Y	119.0	0.00	6.00	0.87	1	6	2	95	0.00	0.0	8.960	0.006	0	0	0	1
PD.6279	PL.41167	A	25QA	7.14Y	119.0	0.00	6.00	0.87	3	6	2	95	0.00	0.0	8.960	0.006	0	0	0	1
PL.59234	PD.6279	A	#4 ACSR	7.14Y	119.0	0.00	6.00	0.87	1	6	2	95	0.00	0.0	8.984	0.025	6	2	1	1
PL.41165	PL.41163	C	#4 ACSR	7.14Y	119.0	0.00	6.00	0.50	0	3	1	95	0.00	0.0	8.960	0.006	0	0	0	2
PD.6278	PL.41165	C	25QA	7.14Y	119.0	0.00	6.00	0.50	2	3	1	95	0.00	0.0	8.960	0.006	0	0	0	2
PL.41166	PD.6278	C	#4 ACSR	7.14Y	119.0	0.00	6.00	0.50	0	3	1	95	0.00	0.0	8.970	0.010	3	1	2	2
PL.41164	PL.41163	ABC	#1/0 ACSR	7.14Y	119.0	0.05	6.04	17.20	7	353	106	96	0.12	0.0	9.101	0.147	0	0	0	56
PL.41168	PL.41164	ABC	#1/0 ACSR	7.13Y	118.8	0.16	6.20	17.20	7	353	106	96	0.41	0.1	9.622	0.522	3	1	1	56
PL.41169	PL.41168	ABC	#1/0 ACSR	7.13Y	118.8	0.04	6.24	17.07	7	350	105	96	0.09	0.0	9.742	0.120	8	2	2	55
PL.41170	PL.41169	ABC	#1/0 ACSR	7.12Y	118.7	0.08	6.32	16.67	7	341	102	96	0.20	0.1	10.014	0.272	0	0	0	53
PL.41173	PL.41170	A	#1/0 ACSR	7.12Y	118.7	0.00	6.32	0.70	0	5	1	98	0.00	0.0	10.020	0.006	0	0	0	1
PD.6344	PL.41173	A	25T	7.12Y	118.7	0.00	6.32	0.70	0	5	1	98	0.00	0.0	10.020	0.006	0	0	0	1
PL.41174	PD.6344	A	#1/0 ACSR	7.12Y	118.7	0.00	6.32	0.70	0	5	1	98	0.00	0.0	10.035	0.015	0	0	0	1
PL.41171	PL.41174	A	#1/0 ACSR	7.12Y	118.7	0.00	6.32	0.70	0	5	1	98	0.00	0.0	10.064	0.029	5	1	1	1
PL.41172	PL.41171	A	#1/0 ACSR	7.12Y	118.7	0.00	6.32	0.00	0	0	0	100	0.00	0.0	10.408	0.344	0	0	0	0
PL.41175	PL.41170	ABC	#1/0 ACSR	7.12Y	118.6	0.06	6.39	16.44	7	336	101	96	0.15	0.0	10.227	0.213	0	0	0	52
PL.41176	PL.41175	ABC	#1/0 ACSR	7.11Y	118.6	0.04	6.42	16.44	7	336	101	96	0.09	0.0	10.350	0.122	0	0	0	52
PL.41177	PL.41176	ABC	#1/0 ACSR	7.11Y	118.5	0.03	6.45	16.44	7	336	101	96	0.07	0.0	10.442	0.093	0	0	0	52
PL.41178	PL.41177	ABC	#1/0 ACSR	7.11Y	118.4	0.13	6.58	16.44	7	336	101	96	0.31	0.1	10.868	0.426	0	0	0	52

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
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PL.60305	PL.41178	ABC	#1/0 ACSR	7.10Y	118.4	0.05	6.63	16.12	7	329	98	96	0.11	0.0	11.030	0.162	0	0	0	51
PL.60307	PL.60305	ABC	#1/0 ACSR	7.09Y	118.2	0.12	6.75	15.67	7	320	96	96	0.28	0.1	11.464	0.434	0	0	0	49
PL.60308	PL.60307	ABC	#1/0 ACSR	7.09Y	118.2	0.06	6.81	15.67	7	320	95	96	0.13	0.0	11.662	0.198	11	3	2	49
PL.51718	PL.60308	ABC	#1/0 ACSR	7.09Y	118.2	0.04	6.84	15.13	7	309	92	96	0.08	0.0	11.797	0.135	0	0	0	47
PL.51719	PL.51718	ABC	#1/0 ACSR	7.09Y	118.1	0.04	6.88	15.13	7	308	92	96	0.09	0.0	11.939	0.141	0	0	0	47
PL.51721	PL.51719	ABC	#1/0 ACSR	7.09Y	118.1	0.01	6.90	15.13	7	308	92	96	0.03	0.0	11.984	0.045	0	0	0	47
PL.51725	PL.51721	ABC	#1/0 ACSR	7.08Y	118.0	0.08	6.98	14.72	6	300	89	96	0.18	0.1	12.290	0.306	0	0	0	44
PL.51726	PL.51725	C	#4 ACSR	7.08Y	118.0	0.00	6.98	1.75	1	12	4	95	0.00	0.0	12.296	0.006	0	0	0	2
PD.7932	PL.51726	C	25QA	7.08Y	118.0	0.00	6.98	1.75	7	12	4	95	0.00	0.0	12.296	0.006	0	0	0	2
PL.51723	PD.7932	C	#4 ACSR	7.08Y	118.0	0.00	6.98	1.75	1	12	4	95	0.00	0.0	12.408	0.113	12	4	2	2
PL.51724	PL.51723	C	#4 ACSR	7.08Y	118.0	0.00	6.98	0.00	0	0	0	100	0.00	0.0	12.450	0.042	0	0	0	0
L PL.51727	PL.51725	ABC	#1/0 ACSR	7.08Y	118.0	0.05	7.03	14.14	6	288	86	96	0.11	0.0	12.501	0.211	2	1	1	42 L
L PL.51728	PL.51727	ABC	#1/0 ACSR	7.08Y	118.0	0.01	7.04	14.03	6	286	85	96	0.03	0.0	12.550	0.049	10	3	1	41 L
L PL.51729	PL.51728	ABC	#1/0 ACSR	7.07Y	117.9	0.07	7.12	13.57	6	276	82	96	0.15	0.1	12.856	0.305	3	1	1	40 L
L PL.41090	PL.51729	ABC	#1/0 ACSR	7.07Y	117.9	0.02	7.13	13.40	6	273	81	96	0.03	0.0	12.919	0.063	1	0	1	39 L
L PL.41091	PL.41090	ABC	#1/0 ACSR	7.07Y	117.8	0.04	7.17	13.35	6	271	81	96	0.07	0.0	13.075	0.157	0	0	0	38 L
L PL.41093	PL.41091	C	#1/0 ACSR	7.07Y	117.8	0.00	7.17	1.76	1	12	4	95	0.00	0.0	13.081	0.006	0	0	0	2 L
L PD.6310	PL.41093	C	25QA	7.07Y	117.8	0.00	7.17	1.76	7	12	4	95	0.00	0.0	13.081	0.006	0	0	0	2 L
L PL.41094	PD.6310	C	#1/0 ACSR	7.07Y	117.8	0.00	7.17	1.76	1	12	4	95	0.00	0.0	13.107	0.026	12	4	2	2 L
L PL.41092	PL.41091	ABC	#1/0 ACSR	7.07Y	117.8	0.04	7.22	12.76	6	259	77	96	0.08	0.0	13.262	0.187	9	3	1	36 L
L PL.51730	PL.41092	C	#1/0 ACSR	7.07Y	117.8	0.00	7.22	21.20	9	144	43	96	0.00	0.0	13.267	0.006	0	0	0	17 L
L PD.7933	PL.51730	C	20T	7.07Y	117.8	0.00	7.22	21.20	0	144	43	96	0.00	0.0	13.267	0.006	0	0	0	17 L
L PL.52049	PD.7933	C	#1/0 ACSR	7.06Y	117.6	0.14	7.36	21.20	9	144	43	96	0.14	0.1	13.559	0.291	7	2	1	17 L
L PL.52051	PL.52049	C	#1/0 ACSR	7.06Y	117.6	0.03	7.39	17.15	7	116	34	96	0.02	0.0	13.624	0.065	0	0	0	13 L
L PL.52191	PL.52051	C	#1/0 ACSR	7.05Y	117.5	0.14	7.53	17.15	7	116	34	96	0.11	0.1	13.982	0.358	0	0	0	13 L
L PL.52189	PL.52191	C	#1/0 ACSR	7.05Y	117.5	0.00	7.53	0.00	0	0	0	100	0.00	0.0	14.050	0.068	0	0	0	0 L
L PL.52190	PL.52191	C	#1/0 ACSR	7.04Y	117.4	0.11	7.64	17.15	7	116	34	96	0.08	0.1	14.245	0.263	0	0	0	13 L
L PL.52188	PL.52190	C	#4 ACSR	7.04Y	117.4	0.00	7.64	0.00	0	0	0	100	0.00	0.0	14.340	0.095	0	0	0	0 L
L PL.52187	PL.52190	C	#4 ACSR	7.04Y	117.3	0.07	7.71	17.15	13	116	34	96	0.06	0.1	14.336	0.091	0	0	0	13 L
L PL.51848	PL.52187	C	#4 ACSR	7.03Y	117.2	0.06	7.77	17.15	13	116	34	96	0.06	0.0	14.423	0.087	9	3	1	13 L
L PL.51789	PL.51848	C	#4 ACSR	7.03Y	117.2	0.04	7.81	15.76	12	106	31	96	0.03	0.0	14.482	0.059	7	2	1	12 L

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
L PL.51786	PL.51789	C	#4 ACSR	7.03Y	117.2	0.02	7.83	14.65	11	99	29	96	0.02	0.0	14.519	0.037	0	0	0	11 L
L PL.51787	PL.51786	C	6 A (CWC)	7.03Y	117.2	0.01	7.85	4.66	3	31	9	96	0.00	0.0	14.582	0.063	12	4	1	4 L
L PL.51788	PL.51787	C	6 A (CWC)	7.03Y	117.1	0.01	7.86	2.86	2	19	6	95	0.00	0.0	14.688	0.106	9	3	1	3 L
L PL.51790	PL.51788	C	6 A (CWC)	7.03Y	117.1	0.03	7.88	1.46	1	10	3	96	0.00	0.0	15.132	0.444	1	0	1	2 L
L PL.51795	PL.51790	C	6 A (CWC)	7.03Y	117.1	0.00	7.89	1.36	1	9	3	95	0.00	0.0	15.251	0.119	9	3	1	1 L
L PL.51794	PL.51786	C	6 A (CWC)	7.03Y	117.1	0.03	7.86	10.00	7	67	20	96	0.02	0.0	14.590	0.071	10	3	1	7 L
L PL.51793	PL.51794	C	6 A (CWC)	7.03Y	117.1	0.04	7.91	7.42	5	50	15	96	0.02	0.0	14.712	0.122	0	0	0	5 L
L PL.51714	PL.51793	C	#2 ACSR	7.03Y	117.1	0.00	7.91	0.93	1	6	2	95	0.00	0.0	14.767	0.055	6	2	1	1 L
L PL.51711	PL.51793	C	6 A (CWC)	7.02Y	117.1	0.03	7.94	6.49	5	44	13	96	0.01	0.0	14.838	0.125	10	3	1	4 L
L PL.51710	PL.51711	C	6 A (CWC)	7.02Y	117.0	0.02	7.96	4.99	4	34	10	96	0.01	0.0	14.922	0.085	0	0	0	3 L
L PL.51713	PL.51710	C	6 A (CWC)	7.02Y	116.9	0.11	8.07	4.99	4	34	10	96	0.03	0.1	15.420	0.497	0	0	0	3 L
L PL.51712	PL.51713	C	6 A (CWC)	7.01Y	116.9	0.02	8.09	4.99	4	34	10	96	0.00	0.0	15.517	0.097	16	5	1	3 L
L PL.51791	PL.51712	C	#2 ACSR	7.01Y	116.9	0.00	8.09	1.51	1	10	3	96	0.00	0.0	15.537	0.020	10	3	1	1 L
L PL.51784	PL.51712	C	6 A (CWC)	7.01Y	116.9	0.01	8.10	1.15	1	8	2	97	0.00	0.0	15.631	0.114	0	0	0	1 L
L PL.51785	PL.51784	C	6 A (CWC)	7.01Y	116.9	0.00	8.10	1.15	1	8	2	97	0.00	0.0	15.634	0.003	0	0	0	1 L
L PL.51849	PL.51785	C	6 A (CWC)	7.01Y	116.9	0.01	8.10	1.15	1	8	2	97	0.00	0.0	15.749	0.115	0	0	0	1 L
L PL.51851	PL.51849	C	6 A (CWC)	7.01Y	116.9	0.00	8.10	1.15	1	8	2	97	0.00	0.0	15.837	0.089	8	2	1	1 L
L PL.51850	PL.51851	C	6 A (CWC)	7.01Y	116.9	0.00	8.10	0.00	0	0	0	100	0.00	0.0	15.966	0.129	0	0	0	0 L
L PL.51792	PL.51794	C	#2 ACSR	7.03Y	117.1	0.00	7.87	1.15	1	8	2	97	0.00	0.0	14.632	0.042	8	2	1	1 L
L PL.52050	PL.52049	C	#1/0 ACSR	7.06Y	117.6	0.01	7.37	2.96	1	20	6	96	0.00	0.0	13.639	0.080	0	0	0	3 L
L PL.51731	PL.52050	C	#1/0 ACSR	7.06Y	117.6	0.00	7.37	2.96	1	20	6	96	0.00	0.0	13.698	0.059	6	2	1	3 L
L PL.41095	PL.51731	C	#1/0 ACSR	7.06Y	117.6	0.00	7.37	2.12	1	14	4	96	0.00	0.0	13.785	0.088	0	0	0	2 L
L PL.63341	PL.41095	C	6 A (CWC)	7.06Y	117.6	0.00	7.37	0.79	1	5	2	93	0.00	0.0	13.804	0.019	0	0	0	1 L
L PL.63342	PL.63341	C	6 A (CWC)	7.06Y	117.6	0.00	7.37	0.79	1	5	2	93	0.00	0.0	13.804	0.000	5	2	1	1 L
L PL.41096	PL.41095	C	#1/0 ACSR	7.06Y	117.6	0.00	7.38	1.33	1	9	3	95	0.00	0.0	13.852	0.066	0	0	0	1 L
L PL.41097	PL.41096	C	#1/0 ACSR	7.06Y	117.6	0.00	7.38	1.33	1	9	3	95	0.00	0.0	13.908	0.056	9	3	1	1 L
L PL.41098	PL.41092	A	6 A (CWC)	7.07Y	117.8	0.00	7.22	15.79	11	107	32	96	0.00	0.0	13.267	0.006	0	0	0	18 L
L PD.6349	PL.41098	A	60QA	7.07Y	117.8	0.00	7.22	15.79	26	107	32	96	0.00	0.0	13.267	0.006	0	0	0	18 L
L PL.41099	PD.6349	A	6 A (CWC)	7.06Y	117.7	0.04	7.26	15.79	11	107	32	96	0.03	0.0	13.327	0.060	5	1	1	18 L
L PL.41100	PL.41099	A	6 A (CWC)	7.06Y	117.7	0.05	7.32	15.07	11	102	30	96	0.04	0.0	13.409	0.082	9	3	1	17 L
L PL.41101	PL.41100	A	6 A (CWC)	7.06Y	117.6	0.10	7.42	13.78	10	93	28	96	0.07	0.1	13.565	0.156	0	0	0	16 L

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Balanced Voltage Drop Report  
Source: Eberle

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
L PL.40200	PL.41101	A	6 A (CWC)	7.05Y	117.6	0.00	7.42	1.16	1	8	2	97	0.00	0.0	13.642	0.077	8	2	1	1 L
L PL.41102	PL.41101	A	6 A (CWC)	7.05Y	117.5	0.08	7.49	12.62	9	85	25	96	0.05	0.1	13.702	0.137	0	0	0	15 L
L PL.40575	PL.41102	A	6 A (CWC)	7.05Y	117.5	0.00	7.50	1.50	1	10	3	96	0.00	0.0	13.740	0.038	10	3	2	2 L
L PL.41103	PL.41102	A	6 A (CWC)	7.04Y	117.4	0.15	7.65	11.13	8	75	22	96	0.09	0.1	13.997	0.295	0	0	1	13 L
L PL.41104	PL.41103	A	6 A (CWC)	7.04Y	117.3	0.07	7.71	11.06	8	75	22	96	0.04	0.1	14.130	0.133	0	0	0	12 L
L PL.41105	PL.41104	A	6 A (CWC)	7.03Y	117.2	0.13	7.84	11.06	8	75	22	96	0.08	0.1	14.390	0.259	0	0	0	12 L
L PL.41106	PL.41105	A	6 A (CWC)	7.03Y	117.1	0.03	7.88	10.70	8	72	21	96	0.02	0.0	14.454	0.064	4	1	1	11 L
L PL.41107	PL.41106	A	6 A (CWC)	7.02Y	117.1	0.04	7.92	10.17	7	69	20	96	0.02	0.0	14.552	0.098	5	2	1	10 L
L PL.59247	PL.41107	A	6 A (CWC)	7.02Y	117.0	0.03	7.95	9.36	7	63	19	96	0.01	0.0	14.641	0.089	26	8	3	9 L
L PL.59246	PL.59247	A	6 A (CWC)	7.02Y	117.0	0.00	7.95	0.00	0	0	0	100	0.00	0.0	14.719	0.078	0	0	0	0 L
L PL.59248	PL.59247	A	6 A (CWC)	7.02Y	117.0	0.02	7.97	5.56	4	37	11	96	0.01	0.0	14.714	0.073	0	0	0	6 L
L PL.41108	PL.59248	A	6 A (CWC)	7.02Y	117.0	0.01	7.98	5.56	4	37	11	96	0.00	0.0	14.752	0.038	0	0	0	6 L
L PL.41109	PL.41108	A	6 A (CWC)	7.02Y	117.0	0.03	8.01	4.49	3	30	9	96	0.01	0.0	14.910	0.158	0	0	0	5 L
L PL.41110	PL.41109	A	6 A (CWC)	7.02Y	117.0	0.01	8.02	4.49	3	30	9	96	0.00	0.0	14.951	0.041	0	0	0	5 L
L PL.40224	PL.41110	A	6 A (CWC)	7.02Y	117.0	0.00	8.02	0.00	0	0	0	100	0.00	0.0	15.399	0.448	0	0	0	0 L
L PL.41117	PL.40224	A	6 A (CWC)	7.02Y	117.0	0.00	8.02	0.00	0	0	0	100	0.00	0.0	15.612	0.214	0	0	0	0 L
L PL.40735	PL.41117	A	6 A (CWC)	7.02Y	117.0	0.00	8.02	0.00	0	0	0	100	0.00	0.0	15.717	0.104	0	0	0	0 L
L PL.41118	PL.41117	A	6 A (CWC)	7.02Y	117.0	0.00	8.02	0.00	0	0	0	100	0.00	0.0	15.808	0.196	0	0	0	0 L
L PL.41119	PL.40224	A	6 A (CWC)	7.02Y	117.0	0.00	8.02	0.00	0	0	0	100	0.00	0.0	15.580	0.182	0	0	0	0 L
L PL.51768	PL.41119	A	6 A (CWC)	7.02Y	117.0	0.00	8.02	0.00	0	0	0	100	0.00	0.0	16.513	0.933	0	0	0	0 L
L PL.51769	PL.51768	A	6 A (CWC)	7.02Y	117.0	0.00	8.02	0.00	0	0	0	100	0.00	0.0	16.574	0.061	0	0	0	0 L
L PL.57343	PL.51769	A	6 A (CWC)	7.02Y	117.0	0.00	8.02	0.00	0	0	0	100	0.00	0.0	16.675	0.101	0	0	0	0 L
L PL.57344	PL.57343	A	6 A (CWC)	7.02Y	117.0	0.00	8.02	0.00	0	0	0	100	0.00	0.0	16.720	0.045	0	0	0	0 L
L PD.8279-B	PL.57344	A	Open	7.02Y	117.0	0.00	8.02	0.00	0	0	0	100	0.00	0.0	16.720	0.045	0	0	0	0 L
L PL.40333	PL.41119	A	6 A (CWC)	7.02Y	117.0	0.00	8.02	0.00	0	0	0	100	0.00	0.0	15.653	0.073	0	0	0	0 L
L PL.41113	PL.41110	A	6 A (CWC)	7.02Y	117.0	0.02	8.04	3.00	2	20	6	96	0.00	0.0	15.133	0.182	6	2	1	4 L
L PL.41114	PL.41113	A	6 A (CWC)	7.02Y	117.0	0.00	8.05	2.14	2	14	4	96	0.00	0.0	15.191	0.058	4	1	2	3 L
L PL.41115	PL.41114	A	6 A (CWC)	7.02Y	116.9	0.02	8.06	1.58	1	11	3	96	0.00	0.0	15.653	0.462	11	3	1	1 L
L PL.41116	PL.41115	A	6 A (CWC)	7.02Y	116.9	0.00	8.06	0.00	0	0	0	100	0.00	0.0	15.810	0.157	0	0	0	0 L
L PL.41111	PL.41110	A	6 A (CWC)	7.02Y	117.0	0.00	8.02	1.49	1	10	3	96	0.00	0.0	15.015	0.065	10	3	1	1 L
L PL.41112	PL.41111	A	6 A (CWC)	7.02Y	117.0	0.00	8.02	0.00	0	0	0	100	0.00	0.0	15.105	0.090	0	0	0	0 L

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
L PL.40287	PL.41108	A	6 A (CWC)	7.02Y	117.0	0.00	7.98	1.07	1	7	2	96	0.00	0.0	14.900	0.148	7	2	1	1 L
L PL.40310	PL.41105	A	6 A (CWC)	7.03Y	117.2	0.00	7.85	0.36	0	2	1	89	0.00	0.0	14.487	0.097	2	1	1	1 L
L PL.40332	PL.41102	A	6 A (CWC)	7.05Y	117.5	0.00	7.49	0.00	0	0	0	100	0.00	0.0	14.031	0.329	0	0	0	0 L
PL.51722	PL.51721	A	6 A (CWC)	7.09Y	118.1	0.00	6.90	1.23	1	8	2	97	0.00	0.0	11.989	0.006	0	0	0	3
PD.7931	PL.51722	A	40QA	7.09Y	118.1	0.00	6.90	1.23	3	8	2	97	0.00	0.0	11.989	0.006	0	0	0	3
PL.51720	PD.7931	A	6 A (CWC)	7.09Y	118.1	0.00	6.90	1.23	1	8	2	97	0.00	0.0	12.061	0.072	5	2	1	3
PL.59245	PL.51720	A	6 A (CWC)	7.09Y	118.1	0.00	6.90	0.48	0	3	1	95	0.00	0.0	12.312	0.251	3	1	2	2
PL.60304	PL.60305	C	#2 ACSR	7.10Y	118.4	0.00	6.63	0.00	0	0	0	100	0.00	0.0	11.126	0.096	0	0	0	0
PL.60306	PL.60305	C	6 A (CWC)	7.10Y	118.4	0.00	6.63	1.35	1	9	3	95	0.00	0.0	11.035	0.006	0	0	0	2
PD.6350	PL.60306	C	60QA	7.10Y	118.4	0.00	6.63	1.35	2	9	3	95	0.00	0.0	11.035	0.006	0	0	0	2
PL.41181	PD.6350	C	6 A (CWC)	7.10Y	118.4	0.01	6.64	1.35	1	9	3	95	0.00	0.0	11.213	0.178	0	0	0	2
PL.40151	PL.41181	C	6 A (CWC)	7.10Y	118.4	0.00	6.64	1.21	1	8	2	97	0.00	0.0	11.290	0.076	8	2	1	1
PL.41182	PL.41181	C	6 A (CWC)	7.10Y	118.4	0.00	6.64	0.14	0	1	0	100	0.00	0.0	11.398	0.185	1	0	1	1
PL.41179	PL.41178	A	#4 ACSR	7.11Y	118.4	0.00	6.58	0.94	1	6	2	95	0.00	0.0	10.873	0.006	0	0	0	1
PD.6277	PL.41179	A	25QA	7.11Y	118.4	0.00	6.58	0.94	4	6	2	95	0.00	0.0	10.873	0.006	0	0	0	1
PL.41180	PD.6277	A	#4 ACSR	7.11Y	118.4	0.00	6.58	0.94	1	6	2	95	0.00	0.0	10.919	0.046	6	2	1	1
PL.40554	PL.40551	B	6 A (CWC)	7.20Y	119.9	0.00	5.08	1.80	1	12	4	95	0.00	0.0	6.620	0.006	0	0	0	3
PD.6311	PL.40554	B	40QA	7.20Y	119.9	0.00	5.08	1.80	4	12	4	95	0.00	0.0	6.620	0.006	0	0	0	3
PL.40555	PD.6311	B	6 A (CWC)	7.20Y	119.9	0.00	5.08	1.80	1	12	4	95	0.00	0.0	6.645	0.025	10	3	1	3
PL.40552	PL.40555	B	6 A (CWC)	7.20Y	119.9	0.00	5.08	0.42	0	3	1	95	0.00	0.0	6.731	0.087	2	0	1	2
PL.40553	PL.40552	B	6 A (CWC)	7.20Y	119.9	0.00	5.08	0.17	0	1	0	100	0.00	0.0	6.793	0.061	1	0	1	1
CP.77	PL.52678	ABC	Cap (300)	7.21Y	120.2	0.00	4.82	0.00	0	0	0	100	0.00	0.0	6.125	0.061	0	0	0	0
PL.40870	PL.40866	A	#4 ACSR	7.24Y	120.7	0.00	4.30	1.48	1	10	3	96	0.00	0.0	5.159	0.006	0	0	0	1
PD.6316	PL.40870	A	40QA	7.24Y	120.7	0.00	4.30	1.48	4	10	3	96	0.00	0.0	5.159	0.006	0	0	0	1
PL.41084	PD.6316	A	#4 ACSR	7.24Y	120.7	0.02	4.31	1.48	1	10	3	96	0.00	0.0	5.388	0.229	0	0	0	1
PL.41085	PL.41084	A	#4 ACSR	7.24Y	120.7	0.00	4.32	1.48	1	10	3	96	0.00	0.0	5.452	0.064	10	3	1	1
PL.40861	PL.40859	A	#4 ACSR	7.27Y	121.1	0.00	3.89	1.65	1	12	3	97	0.00	0.0	4.430	0.006	0	0	0	3
PD.6295	PL.40861	A	40QA	7.27Y	121.1	0.00	3.89	1.65	4	12	3	97	0.00	0.0	4.430	0.006	0	0	0	3
PL.60742	PD.6295	A	#4 ACSR	7.27Y	121.1	0.00	3.89	1.65	1	12	3	97	0.00	0.0	4.449	0.019	12	3	3	3
PL.40860	PL.40858	C	#4 ACSR	7.27Y	121.2	0.00	3.79	2.50	2	17	5	96	0.00	0.0	4.265	0.006	0	0	0	2
PD.6358	PL.40860	C	40QA	7.27Y	121.2	0.00	3.79	2.50	6	17	5	96	0.00	0.0	4.265	0.006	0	0	0	2

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.53357	PD.6358	C	#4 ACSR	7.27Y	121.2	0.00	3.80	2.50	2	17	5	96	0.00	0.0	4.308	0.043	17	5	2	2
PL.53358	PL.53357	C	#4 ACSR	7.27Y	121.2	0.00	3.80	0.00	0	0	0	100	0.00	0.0	4.336	0.028	0	0	0	0
PL.40852	PL.40848	A	#4 ACSR	7.31Y	121.8	0.00	3.16	6.74	5	47	14	96	0.00	0.0	3.190	0.006	0	0	0	5
PD.6318	PL.40852	A	40QA	7.31Y	121.8	0.00	3.16	6.74	17	47	14	96	0.00	0.0	3.190	0.006	0	0	0	5
PL.40853	PD.6318	A	#4 ACSR	7.31Y	121.8	0.01	3.17	6.74	5	47	14	96	0.00	0.0	3.225	0.035	14	4	1	5
PL.40849	PL.40853	A	#4 ACSR	7.31Y	121.8	0.01	3.18	4.78	4	34	10	96	0.00	0.0	3.275	0.050	0	0	0	4
PL.40850	PL.40849	A	#4 ACSR	7.31Y	121.8	0.01	3.19	4.78	4	34	10	96	0.00	0.0	3.317	0.042	5	1	1	4
PL.40851	PL.40850	A	#4 ACSR	7.31Y	121.8	0.01	3.20	4.06	3	28	8	96	0.00	0.0	3.375	0.058	15	4	2	3
PL.64561	PL.40851	A	#1/0 ACSR	7.31Y	121.8	0.00	3.20	1.95	1	14	4	96	0.00	0.0	3.421	0.046	0	0	0	1
PL.64562	PL.64561	A	#1/0 ACSR	7.31Y	121.8	0.00	3.20	1.95	1	14	4	96	0.00	0.0	3.472	0.051	0	0	0	1
PL.64563	PL.64562	A	#1/0 ACSR	7.31Y	121.8	0.00	3.20	1.95	1	14	4	96	0.00	0.0	3.535	0.063	14	4	1	1
PL.39798	PL.40132	A	6 A (CWC)	7.31Y	121.9	0.00	3.12	1.91	1	13	4	96	0.00	0.0	3.128	0.006	0	0	0	1
PD.6331	PL.39798	A	40QA	7.31Y	121.9	0.00	3.12	1.91	5	13	4	96	0.00	0.0	3.128	0.006	0	0	0	1
PL.40847	PD.6331	A	6 A (CWC)	7.31Y	121.9	0.01	3.13	1.91	1	13	4	96	0.00	0.0	3.284	0.156	0	0	0	1
PL.63379	PL.40847	A	4/0 AL URD	7.31Y	121.9	0.00	3.13	1.91	1	13	4	96	0.00	0.0	3.313	0.029	13	4	1	1
PL.40133	PL.40132	C	#4 ACSR	7.31Y	121.9	0.00	3.12	0.04	0	0	0	100	0.00	0.0	3.128	0.006	0	0	0	1
PD.6299	PL.40133	C	40QA	7.31Y	121.9	0.00	3.12	0.04	0	0	0	100	0.00	0.0	3.128	0.006	0	0	0	1
PL.40134	PD.6299	C	#4 ACSR	7.31Y	121.9	0.00	3.12	0.04	0	0	0	100	0.00	0.0	3.139	0.010	0	0	1	1
PL.40147	PL.40128	C	#2 ACSR	7.33Y	122.2	0.00	2.84	1.88	1	13	4	96	0.00	0.0	2.722	0.026	13	4	1	1
PL.62187	PL.62184	ABC	336 MCM AC	7.37Y	122.8	0.01	2.25	83.68	16	1772	530	96	0.07	0.0	1.821	0.012	0	0	0	243
PL.62188	PL.62187	C	#1/0 ACSR	7.37Y	122.8	0.00	2.25	1.35	1	10	3	96	0.00	0.0	1.825	0.003	0	0	0	1
PD.9284	PL.62188	C	30T	7.37Y	122.8	0.00	2.25	1.35	0	10	3	96	0.00	0.0	1.825	0.003	0	0	0	1
PL.62189	PD.9284	C	#1/0 ACSR	7.37Y	122.8	0.00	2.25	1.35	1	10	3	96	0.00	0.0	1.861	0.036	10	3	1	1
PL.62190	PL.62187	ABC	336 MCM AC	7.36Y	122.7	0.03	2.27	83.23	16	1762	527	96	0.23	0.0	1.862	0.040	0	0	0	242
PL.62191	PL.62190	ABC	336 MCM AC	7.36Y	122.7	0.07	2.35	77.67	15	1644	491	96	0.63	0.0	1.985	0.123	0	0	0	222
PL.62193	PL.62191	ABC	336 MCM AC	7.36Y	122.7	0.00	2.35	77.67	15	1643	490	96	0.02	0.0	1.988	0.003	0	0	0	222
PD.9285-A	PL.62193	ABC	Closed	7.36Y	122.7	0.00	2.35	77.67	0	1643	490	96	0.00	0.0	1.988	0.003	0	0	0	222
PD.9285-B	PD.9285-A	ABC	Closed	7.36Y	122.7	0.00	2.35	77.67	0	1643	490	96	0.00	0.0	1.988	0.003	0	0	0	222
PL.62194	PD.9285-B	ABC	336 MCM AC	7.36Y	122.6	0.04	2.39	77.67	15	1643	490	96	0.35	0.0	2.058	0.070	0	0	0	222
PL.62195	PL.62194	ABC	336 MCM AC	7.36Y	122.6	0.02	2.41	46.72	9	988	294	96	0.12	0.0	2.121	0.063	0	0	0	131
PL.62199	PL.62195	ABC	336 MCM AC	7.35Y	122.5	0.05	2.46	46.72	9	988	294	96	0.25	0.0	2.259	0.138	9	3	1	131

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.62200	PL.62199	ABC	336 MCM AC	7.35Y	122.5	0.01	2.47	46.29	9	979	291	96	0.05	0.0	2.286	0.027	0	0	0	130
PL.62201	PL.62200	B	#1/0 ACSR	7.35Y	122.5	0.00	2.47	2.47	1	17	5	96	0.00	0.0	2.289	0.002	0	0	0	2
PD.9287	PL.62201	B	30T	7.35Y	122.5	0.00	2.47	2.47	0	17	5	96	0.00	0.0	2.289	0.002	0	0	0	2
PL.62202	PD.9287	B	#1/0 ACSR	7.35Y	122.5	0.00	2.47	2.47	1	17	5	96	0.00	0.0	2.308	0.019	17	5	2	2
PL.62203	PL.62200	ABC	336 MCM AC	7.35Y	122.5	0.02	2.49	45.47	9	961	285	96	0.09	0.0	2.338	0.052	8	2	1	128
PL.62209	PL.62203	ABC	336 MCM AC	7.35Y	122.5	0.02	2.51	45.09	9	953	283	96	0.10	0.0	2.394	0.056	0	0	0	127
PL.62214	PL.62209	ABC	336 MCM AC	7.35Y	122.5	0.03	2.54	44.38	9	938	278	96	0.14	0.0	2.481	0.087	16	5	1	125
PL.61803	PL.62214	A	#4 ACSR	7.35Y	122.5	0.00	2.54	0.00	0	0	0	100	0.00	0.0	2.511	0.030	0	0	0	0
PL.62213	PL.61803	A	#4 ACSR	7.35Y	122.5	0.00	2.54	0.00	0	0	0	100	0.00	0.0	2.609	0.098	0	0	0	0
PL.61802	PL.62214	ABC	#1/0 ACSR	7.35Y	122.5	0.01	2.55	21.82	9	461	137	96	0.04	0.0	2.510	0.029	0	0	0	62
PL.61806	PL.61802	ABC	#1/0 ACSR	7.35Y	122.5	0.00	2.55	21.82	9	461	137	96	0.00	0.0	2.513	0.003	0	0	0	62
PD.9290	PL.61806	ABC	50L	7.35Y	122.5	0.00	2.55	21.82	44	461	137	96	0.00	0.0	2.513	0.003	0	0	0	62
PL.61807	PD.9290	ABC	#1/0 ACSR	7.35Y	122.4	0.01	2.56	21.82	9	461	137	96	0.04	0.0	2.542	0.029	0	0	0	62
PL.62212	PL.61807	ABC	#1/0 ACSR	7.35Y	122.4	0.01	2.58	21.15	9	447	133	96	0.04	0.0	2.579	0.037	0	0	0	61
PL.61804	PL.62212	ABC	#1/0 ACSR	7.34Y	122.4	0.07	2.65	21.15	9	447	133	96	0.23	0.1	2.770	0.191	0	0	0	61
PL.61805	PL.61804	ABC	#1/0 ACSR	7.34Y	122.3	0.04	2.69	21.15	9	447	133	96	0.12	0.0	2.871	0.100	0	0	0	61
PL.40482	PL.61805	ABC	#1/0 ACSR	7.34Y	122.3	0.03	2.72	21.15	9	446	132	96	0.09	0.0	2.944	0.073	0	0	0	61
PL.41210	PL.40482	ABC	#1/0 ACSR	7.33Y	122.2	0.06	2.77	19.90	9	420	125	96	0.17	0.0	3.106	0.162	0	0	0	57
PL.41211	PL.41210	ABC	#1/0 ACSR	7.33Y	122.2	0.04	2.82	19.90	9	420	124	96	0.13	0.0	3.227	0.121	0	0	0	57
PL.41213	PL.41211	C	#4 ACSR	7.33Y	122.2	0.00	2.82	3.54	3	25	7	96	0.00	0.0	3.233	0.006	0	0	0	2
PD.6341	PL.41213	C	40QA	7.33Y	122.2	0.00	2.82	3.54	9	25	7	96	0.00	0.0	3.233	0.006	0	0	0	2
PL.41214	PD.6341	C	#4 ACSR	7.33Y	122.2	0.00	2.82	3.54	3	25	7	96	0.00	0.0	3.269	0.036	25	7	2	2
PL.41212	PL.41214	C	#4 ACSR	7.33Y	122.2	0.00	2.82	0.00	0	0	0	100	0.00	0.0	3.336	0.067	0	0	0	0
PL.41215	PL.41211	ABC	#1/0 ACSR	7.33Y	122.2	0.03	2.84	18.72	8	395	117	96	0.07	0.0	3.303	0.076	0	0	0	55
PL.41220	PL.41215	ABC	#1/0 ACSR	7.33Y	122.1	0.02	2.87	16.94	7	357	106	96	0.06	0.0	3.380	0.077	0	0	0	51
PL.41221	PL.41220	C	#2 ACSR	7.33Y	122.1	0.00	2.87	0.98	1	7	2	96	0.00	0.0	3.385	0.006	0	0	0	1
PD.6376	PL.41221	C	40QA	7.33Y	122.1	0.00	2.87	0.98	2	7	2	96	0.00	0.0	3.385	0.006	0	0	0	1
PL.41222	PD.6376	C	#2 ACSR	7.33Y	122.1	0.00	2.87	0.98	1	7	2	96	0.00	0.0	3.418	0.033	7	2	1	1
PL.39655	PL.41220	ABC	#1/0 ACSR	7.33Y	122.1	0.04	2.90	16.61	7	350	104	96	0.09	0.0	3.497	0.117	0	0	0	50
PL.39656	PL.39655	C	#2 ACSR	7.33Y	122.1	0.00	2.90	0.00	0	0	0	100	0.00	0.0	3.502	0.006	0	0	0	0
PD.6375	PL.39656	C	40QA	7.33Y	122.1	0.00	2.90	0.00	0	0	0	100	0.00	0.0	3.502	0.006	0	0	0	0

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Balanced Voltage Drop Report  
Source: Eberle

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

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
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PL.39657	PD.6375	C	#2 ACSR	7.33Y	122.1	0.00	2.90	0.00	0	0	0	100	0.00	0.0	3.524	0.022	0	0	0	0
PL.39658	PL.39655	ABC	#1/0 ACSR	7.32Y	122.1	0.01	2.92	16.61	7	350	104	96	0.04	0.0	3.545	0.049	0	0	0	50
PL.40262	PL.39658	ABC	#1/0 ACSR	7.32Y	122.0	0.03	2.95	16.61	7	350	104	96	0.08	0.0	3.655	0.110	0	0	0	50
PL.40263	PL.40262	C	#2 ACSR	7.32Y	122.0	0.00	2.95	1.36	1	10	3	96	0.00	0.0	3.661	0.006	0	0	0	1
PD.6374	PL.40263	C	40QA	7.32Y	122.0	0.00	2.95	1.36	3	10	3	96	0.00	0.0	3.661	0.006	0	0	0	1
PL.40264	PD.6374	C	#2 ACSR	7.32Y	122.0	0.00	2.95	1.36	1	10	3	96	0.00	0.0	3.705	0.044	10	3	1	1
PL.40265	PL.40262	C	#2 ACSR	7.32Y	122.0	0.00	2.95	0.01	0	0	0	100	0.00	0.0	3.661	0.006	0	0	0	1
PD.6248	PL.40265	C	40QA	7.32Y	122.0	0.00	2.95	0.01	0	0	0	100	0.00	0.0	3.661	0.006	0	0	0	1
PL.40266	PD.6248	C	#2 ACSR	7.32Y	122.0	0.00	2.95	0.01	0	0	0	100	0.00	0.0	3.708	0.047	0	0	1	1
PL.40267	PL.40262	ABC	#1/0 ACSR	7.32Y	122.0	0.02	2.97	16.16	7	340	101	96	0.05	0.0	3.724	0.069	0	0	0	48
PL.40389	PL.40267	B	#1/0 ACSR	7.32Y	122.0	0.00	2.97	1.75	1	12	4	95	0.00	0.0	3.792	0.068	12	4	1	1
PL.40268	PL.40267	ABC	#1/0 ACSR	7.32Y	122.0	0.01	2.99	15.57	7	328	97	96	0.03	0.0	3.774	0.050	0	0	0	47
PL.60721	PL.40268	A	#2 ACSR	7.32Y	122.0	0.00	2.99	3.41	2	24	7	96	0.00	0.0	3.777	0.003	0	0	0	2
PD.9058	PL.60721	A	40QA	7.32Y	122.0	0.00	2.99	3.41	9	24	7	96	0.00	0.0	3.777	0.003	0	0	0	2
PL.60722	PD.9058	A	#2 ACSR	7.32Y	122.0	0.00	2.99	3.41	2	24	7	96	0.00	0.0	3.830	0.053	24	7	2	2
PL.60723	PL.40268	C	#2 ACSR	7.32Y	122.0	0.00	2.99	2.13	1	15	4	97	0.00	0.0	3.776	0.003	0	0	0	2
PD.9059	PL.60723	C	40QA	7.32Y	122.0	0.00	2.99	2.13	5	15	4	97	0.00	0.0	3.776	0.003	0	0	0	2
PL.60724	PD.9059	C	#2 ACSR	7.32Y	122.0	0.00	2.99	2.13	1	15	4	97	0.00	0.0	3.832	0.056	5	2	1	2
PL.40466	PL.60724	C	#2 ACSR	7.32Y	122.0	0.00	2.99	1.40	1	10	3	96	0.00	0.0	3.911	0.078	0	0	0	1
PL.40467	PL.40466	C	#2 ACSR	7.32Y	122.0	0.00	2.99	1.40	1	10	3	96	0.00	0.0	3.953	0.042	10	3	1	1
PL.40468	PL.40268	ABC	#1/0 ACSR	7.32Y	122.0	0.04	3.02	13.73	6	289	86	96	0.07	0.0	3.920	0.146	0	0	0	43
PL.40469	PL.40468	ABC	#1/0 ACSR	7.32Y	122.0	0.01	3.03	13.73	6	289	85	96	0.02	0.0	3.956	0.036	0	0	0	43
PL.40470	PL.40469	ABC	#1/0 ACSR	7.32Y	121.9	0.04	3.07	13.73	6	289	85	96	0.07	0.0	4.099	0.143	0	0	0	43
PL.40471	PL.40470	C	#2 ACSR	7.32Y	121.9	0.00	3.07	0.00	0	0	0	100	0.00	0.0	4.105	0.006	0	0	0	0
PD.6327	PL.40471	C	40QA	7.32Y	121.9	0.00	3.07	0.00	0	0	0	100	0.00	0.0	4.105	0.006	0	0	0	0
PL.40472	PD.6327	C	#2 ACSR	7.32Y	121.9	0.00	3.07	0.00	0	0	0	100	0.00	0.0	4.141	0.036	0	0	0	0
PL.40812	PL.40470	ABC	#1/0 ACSR	7.31Y	121.9	0.02	3.08	12.02	5	253	75	96	0.03	0.0	4.175	0.076	0	0	1	39
PL.41224	PL.40812	ABC	#1/0 ACSR	7.31Y	121.9	0.01	3.10	12.02	5	253	75	96	0.02	0.0	4.232	0.057	0	0	0	38
PL.40343	PL.41224	C	#4 ACSR	7.31Y	121.9	0.00	3.10	0.00	0	0	0	100	0.00	0.0	4.252	0.020	0	0	0	0
PL.41225	PL.41224	ABC	#1/0 ACSR	7.31Y	121.9	0.03	3.12	12.02	5	253	75	96	0.04	0.0	4.352	0.120	18	5	2	38
PL.41227	PL.41225	ABC	#1/0 ACSR	7.31Y	121.9	0.01	3.13	11.15	5	234	69	96	0.01	0.0	4.393	0.041	0	0	0	36
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Balanced Voltage Drop Report  
Source: Eberle

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.41229	PL.41227	C	#2 ACSR	7.31Y	121.9	0.00	3.13	1.49	1	10	3	96	0.00	0.0	4.399	0.006	0	0	0	2
PD.6340	PL.41229	C	40QA	7.31Y	121.9	0.00	3.13	1.49	4	10	3	96	0.00	0.0	4.399	0.006	0	0	0	2
PL.40973	PD.6340	C	#2 ACSR	7.31Y	121.9	0.00	3.13	1.49	1	10	3	96	0.00	0.0	4.452	0.054	10	3	2	2
PL.41228	PL.41227	ABC	#1/0 ACSR	7.31Y	121.9	0.01	3.14	10.65	5	224	66	96	0.02	0.0	4.463	0.070	7	2	1	34
PL.41226	PL.41228	ABC	#1/0 ACSR	7.31Y	121.8	0.01	3.15	10.31	4	217	64	96	0.01	0.0	4.508	0.046	5	2	1	33
PL.40165	PL.41226	B	6 A (CWC)	7.31Y	121.8	0.00	3.15	12.80	9	90	27	96	0.00	0.0	4.514	0.006	0	0	0	12
PD.6246	PL.40165	B	25T	7.31Y	121.8	0.00	3.15	12.80	0	90	27	96	0.00	0.0	4.514	0.006	0	0	0	12
PL.40166	PD.6246	B	6 A (CWC)	7.30Y	121.7	0.16	3.31	12.80	9	90	27	96	0.11	0.1	4.778	0.264	0	0	0	12
PL.40167	PL.40166	B	6 A (CWC)	7.30Y	121.6	0.05	3.36	12.80	9	90	26	96	0.03	0.0	4.866	0.088	8	2	2	12
PL.40168	PL.40167	B	6 A (CWC)	7.29Y	121.5	0.12	3.48	10.41	7	73	22	96	0.07	0.1	5.126	0.259	0	0	0	9
PL.40169	PL.40168	B	6 A (CWC)	7.29Y	121.4	0.10	3.58	10.41	7	73	21	96	0.05	0.1	5.327	0.202	0	0	0	9
PL.40347	PL.40169	B	#4 ACSR	7.28Y	121.4	0.00	3.58	1.31	1	9	3	95	0.00	0.0	5.461	0.134	9	3	1	1
PL.40170	PL.40169	B	6 A (CWC)	7.28Y	121.4	0.06	3.64	9.11	7	64	19	96	0.03	0.0	5.471	0.144	0	0	0	8
PL.40807	PL.40170	B	6 A (CWC)	7.28Y	121.3	0.02	3.66	6.21	4	43	13	96	0.01	0.0	5.550	0.078	0	0	0	5
PL.40173	PL.40807	B	6 A (CWC)	7.28Y	121.3	0.04	3.70	6.21	4	43	13	96	0.01	0.0	5.693	0.144	10	3	1	5
PL.41120	PL.40173	B	6 A (CWC)	7.28Y	121.3	0.01	3.71	4.84	3	34	10	96	0.00	0.0	5.739	0.046	0	0	0	4
PL.63387	PL.41120	B	#2 ACSR	7.28Y	121.3	0.01	3.72	4.84	3	34	10	96	0.00	0.0	5.786	0.047	0	0	0	4
PL.63389	PL.63387	B	#1/0 ACSR	7.28Y	121.3	0.00	3.72	1.86	1	13	4	96	0.00	0.0	5.854	0.068	0	0	0	1
PL.63390	PL.63389	B	#1/0 ACSR	7.28Y	121.3	0.00	3.72	1.86	1	13	4	96	0.00	0.0	5.894	0.040	0	0	0	1
PL.63391	PL.63390	B	#1/0 ACSR	7.28Y	121.3	0.00	3.72	1.86	1	13	4	96	0.00	0.0	5.964	0.070	13	4	1	1
PL.63388	PL.63387	B	#2 ACSR	7.28Y	121.3	0.01	3.73	2.98	2	21	6	96	0.00	0.0	5.906	0.120	0	0	1	3
PL.60725	PL.63388	B	#2 ACSR	7.28Y	121.3	0.00	3.73	2.97	2	21	6	96	0.00	0.0	5.940	0.034	21	6	2	2
PL.41121	PL.41120	B	6 A (CWC)	7.28Y	121.3	0.00	3.71	0.00	0	0	0	100	0.00	0.0	5.761	0.022	0	0	0	0
PL.40171	PL.40170	B	6 A (CWC)	7.28Y	121.4	0.00	3.64	2.90	2	20	6	96	0.00	0.0	5.477	0.006	0	0	0	3
PD.6252	PL.40171	B	50QA	7.28Y	121.4	0.00	3.64	2.90	6	20	6	96	0.00	0.0	5.477	0.006	0	0	0	3
PL.40172	PD.6252	B	6 A (CWC)	7.28Y	121.4	0.00	3.64	2.90	2	20	6	96	0.00	0.0	5.492	0.015	0	0	1	3
PL.41122	PL.40172	B	6 A (CWC)	7.28Y	121.3	0.04	3.68	2.90	2	20	6	96	0.01	0.0	5.755	0.263	0	0	0	2
PL.41123	PL.41122	B	6 A (CWC)	7.28Y	121.3	0.02	3.70	2.90	2	20	6	96	0.00	0.0	5.902	0.147	0	0	0	2
PL.41126	PL.41123	B	6 A (CWC)	7.28Y	121.3	0.01	3.71	1.81	1	13	4	96	0.00	0.0	5.997	0.096	0	0	0	1
PL.41127	PL.41126	B	6 A (CWC)	7.28Y	121.3	0.00	3.71	0.00	0	0	0	100	0.00	0.0	6.106	0.109	0	0	0	0
PL.40191	PL.41126	B	#4 ACSR	7.28Y	121.3	0.00	3.71	1.81	1	13	4	96	0.00	0.0	6.066	0.068	13	4	1	1

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Balanced Voltage Drop Report  
Source: Eberle

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.41124	PL.41123	B	#2 ACSR	7.28Y	121.3	0.00	3.70	1.08	1	8	2	97	0.00	0.0	5.932	0.030	0	0	0	1
PL.41125	PL.41124	B	#2 ACSR	7.28Y	121.3	0.00	3.70	1.08	1	8	2	97	0.00	0.0	6.082	0.150	8	2	1	1
PL.40232	PL.40167	B	#2 ACSR	7.30Y	121.6	0.01	3.37	1.21	1	8	2	97	0.00	0.0	5.229	0.362	8	2	1	1
PL.40346	PL.40167	B	6 A (CWC)	7.30Y	121.6	0.00	3.36	0.00	0	0	0	100	0.00	0.0	4.919	0.052	0	0	0	0
PL.40974	PL.41226	C	6 A (CWC)	7.31Y	121.8	0.00	3.16	17.42	12	122	36	96	0.00	0.0	4.514	0.006	0	0	0	20
PD.6339	PL.40974	C	40QA	7.31Y	121.8	0.00	3.16	17.42	44	122	36	96	0.00	0.0	4.514	0.006	0	0	0	20
PL.40975	PD.6339	C	6 A (CWC)	7.31Y	121.8	0.07	3.22	17.42	12	122	36	96	0.06	0.1	4.599	0.085	0	0	0	20
PL.40976	PL.40975	C	6 A (CWC)	7.30Y	121.7	0.04	3.27	17.42	12	122	36	96	0.04	0.0	4.656	0.057	10	3	1	20
PL.40977	PL.40976	C	6 A (CWC)	7.30Y	121.7	0.05	3.32	15.96	11	112	33	96	0.04	0.0	4.729	0.073	9	3	2	19
PL.40978	PL.40977	C	6 A (CWC)	7.30Y	121.6	0.09	3.41	14.64	10	102	30	96	0.07	0.1	4.858	0.129	0	0	0	17
PL.40979	PL.40978	C	6 A (CWC)	7.29Y	121.5	0.07	3.47	14.34	10	100	30	96	0.05	0.1	4.960	0.102	0	0	0	16
PL.40719	PL.40979	C	#4 ACSR	7.29Y	121.5	0.00	3.48	1.16	1	8	2	97	0.00	0.0	5.062	0.102	8	2	1	1
PL.40980	PL.40979	C	6 A (CWC)	7.28Y	121.4	0.12	3.60	13.18	9	92	27	96	0.09	0.1	5.163	0.203	0	0	0	15
PL.40981	PL.40980	C	6 A (CWC)	7.28Y	121.3	0.05	3.65	13.18	9	92	27	96	0.04	0.0	5.253	0.090	0	0	1	15
PL.40982	PL.40981	C	6 A (CWC)	7.28Y	121.3	0.05	3.71	13.17	9	92	27	96	0.04	0.0	5.346	0.093	5	2	1	14
PL.41131	PL.40982	C	6 A (CWC)	7.28Y	121.3	0.04	3.75	8.71	6	61	18	96	0.02	0.0	5.459	0.112	13	4	1	9
PL.41132	PL.41131	C	6 A (CWC)	7.28Y	121.3	0.00	3.75	3.02	2	21	6	96	0.00	0.0	5.464	0.006	0	0	0	3
PD.6338	PL.41132	C	40QA	7.28Y	121.3	0.00	3.75	3.02	8	21	6	96	0.00	0.0	5.464	0.006	0	0	0	3
PL.41133	PD.6338	C	6 A (CWC)	7.27Y	121.2	0.00	3.75	3.02	2	21	6	96	0.00	0.0	5.518	0.054	21	6	3	3
PL.40163	PL.41133	C	6 A (CWC)	7.27Y	121.2	0.00	3.75	0.00	0	0	0	100	0.00	0.0	5.556	0.038	0	0	0	0
PL.40164	PL.40163	C	6 A (CWC)	7.27Y	121.2	0.00	3.75	0.00	0	0	0	100	0.00	0.0	5.623	0.068	0	0	0	0
PL.57836	PL.41131	C	6 A (CWC)	7.27Y	121.2	0.02	3.77	3.79	3	26	8	96	0.00	0.0	5.615	0.156	9	3	1	5
PL.57838	PL.57836	C	#1/0 ACSR	7.27Y	121.2	0.00	3.77	2.43	1	17	5	96	0.00	0.0	5.635	0.020	8	2	2	4
PL.57837	PL.57838	C	#1/0 ACSR	7.27Y	121.2	0.00	3.77	1.34	1	9	3	95	0.00	0.0	5.688	0.052	0	0	1	2
PL.63147	PL.57837	C	#1/0 ACSR	7.27Y	121.2	0.00	3.77	1.29	1	9	3	95	0.00	0.0	5.691	0.004	0	0	0	1
PD.9415	PL.63147	C	25T	7.27Y	121.2	0.00	3.77	1.29	0	9	3	95	0.00	0.0	5.691	0.004	0	0	0	1
PL.63148	PD.9415	C	#1/0 ACSR	7.27Y	121.2	0.00	3.77	1.29	1	9	3	95	0.00	0.0	5.710	0.019	0	0	0	1
PL.63146	PL.63148	C	#1/0 ACSR	7.27Y	121.2	0.00	3.77	1.29	1	9	3	95	0.00	0.0	5.759	0.049	0	0	0	1
PL.63149	PL.63146	C	#1/0 ACSR	7.27Y	121.2	0.00	3.77	1.29	1	9	3	95	0.00	0.0	5.812	0.053	9	3	1	1
PL.40720	PL.40982	C	6 A (CWC)	7.28Y	121.3	0.01	3.71	2.17	2	15	4	97	0.00	0.0	5.534	0.188	15	4	3	3
PL.40345	PL.40982	C	6 A (CWC)	7.28Y	121.3	0.00	3.71	1.52	1	11	3	96	0.00	0.0	5.407	0.061	11	3	1	1

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

Balanced Voltage Drop Report  
Source: Eberle

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.40414	PL.40978	C	6 A (CWC)	7.30Y	121.6	0.00	3.41	0.30	0	2	1	89	0.00	0.0	4.927	0.069	2	1	1	1
PL.40473	PL.40470	C	#2 ACSR	7.32Y	121.9	0.00	3.07	5.11	3	36	11	96	0.00	0.0	4.105	0.006	0	0	0	4
PD.6247	PL.40473	C	40QA	7.32Y	121.9	0.00	3.07	5.11	13	36	11	96	0.00	0.0	4.105	0.006	0	0	0	4
PL.40474	PD.6247	C	#2 ACSR	7.32Y	121.9	0.01	3.08	5.11	3	36	11	96	0.00	0.0	4.167	0.062	6	2	1	4
PL.40475	PL.40474	C	#2 ACSR	7.31Y	121.9	0.01	3.08	2.93	2	21	6	96	0.00	0.0	4.249	0.082	0	0	0	2
PL.40231	PL.40475	C	#2 ACSR	7.31Y	121.9	0.00	3.09	1.47	1	10	3	96	0.00	0.0	4.359	0.110	10	3	1	1
PL.41223	PL.40475	C	#2 ACSR	7.31Y	121.9	0.00	3.09	1.46	1	10	3	96	0.00	0.0	4.321	0.072	10	3	1	1
PL.40810	PL.40474	C	#2 ACSR	7.32Y	121.9	0.00	3.08	1.36	1	10	3	96	0.00	0.0	4.324	0.157	10	3	1	1
PL.41216	PL.41215	A	#2 ACSR	7.33Y	122.2	0.00	2.84	0.78	0	5	2	93	0.00	0.0	3.309	0.006	0	0	0	1
PD.6249	PL.41216	A	40QA	7.33Y	122.2	0.00	2.84	0.78	2	5	2	93	0.00	0.0	3.309	0.006	0	0	0	1
PL.41217	PD.6249	A	#2 ACSR	7.33Y	122.2	0.00	2.84	0.78	0	5	2	93	0.00	0.0	3.340	0.031	5	2	1	1
PL.41218	PL.41215	C	#2 ACSR	7.33Y	122.2	0.00	2.85	4.58	3	32	9	96	0.00	0.0	3.309	0.006	0	0	0	3
PD.6250	PL.41218	C	40QA	7.33Y	122.2	0.00	2.85	4.58	11	32	9	96	0.00	0.0	3.309	0.006	0	0	0	3
PL.41219	PD.6250	C	#2 ACSR	7.33Y	122.2	0.00	2.85	4.58	3	32	9	96	0.00	0.0	3.342	0.033	11	3	1	3
PL.52043	PL.41219	C	#2 ACSR	7.33Y	122.1	0.00	2.85	3.02	2	21	6	96	0.00	0.0	3.390	0.048	5	1	1	2
PL.52044	PL.52043	C	#2 ACSR	7.33Y	122.1	0.00	2.86	2.36	1	17	5	96	0.00	0.0	3.448	0.059	0	0	0	1
PL.52045	PL.52044	C	#2 ACSR	7.33Y	122.1	0.00	2.86	2.36	1	17	5	96	0.00	0.0	3.514	0.065	17	5	1	1
PL.41209	PL.40482	C	#2 ACSR	7.34Y	122.3	0.00	2.72	2.66	2	19	6	95	0.00	0.0	2.949	0.006	0	0	0	3
PD.6251	PL.41209	C	40QA	7.34Y	122.3	0.00	2.72	2.66	7	19	6	95	0.00	0.0	2.949	0.006	0	0	0	3
PL.60718	PD.6251	C	#2 ACSR	7.34Y	122.3	0.00	2.72	2.66	2	19	6	95	0.00	0.0	3.007	0.058	10	3	2	3
PL.60719	PL.60718	C	#2 ACSR	7.34Y	122.3	0.00	2.72	1.23	1	9	3	95	0.00	0.0	3.086	0.079	9	3	1	1
PL.40189	PL.40482	A	#2 ACSR	7.34Y	122.3	0.00	2.72	1.08	1	8	2	97	0.00	0.0	2.974	0.030	8	2	1	1
PL.61808	PL.61807	A	#1/0 ACSR	7.35Y	122.4	0.00	2.56	2.02	1	14	4	96	0.00	0.0	2.546	0.004	0	0	0	1
PD.9340	PL.61808	A	10T	7.35Y	122.4	0.00	2.56	2.02	0	14	4	96	0.00	0.0	2.546	0.004	0	0	0	1
PL.61809	PD.9340	A	#1/0 ACSR	7.35Y	122.4	0.00	2.56	2.02	1	14	4	96	0.00	0.0	2.554	0.008	14	4	1	1
PL.61810	PL.62214	ABC	336 MCM AC	7.35Y	122.5	0.01	2.55	21.81	4	461	136	96	0.02	0.0	2.532	0.051	14	4	3	62
PL.62074	PL.61810	ABC	336 MCM AC	7.35Y	122.4	0.01	2.55	21.14	4	447	132	96	0.02	0.0	2.576	0.044	9	3	1	59
PL.62075	PL.62074	ABC	336 MCM AC	7.35Y	122.4	0.00	2.56	20.70	4	438	129	96	0.01	0.0	2.607	0.031	9	3	1	58
PL.62076	PL.62075	ABC	336 MCM AC	7.35Y	122.4	0.00	2.56	20.27	4	429	126	96	0.01	0.0	2.636	0.029	0	0	0	57
PD.9291	PL.62076	ABC	70L	7.35Y	122.4	0.00	2.56	20.27	29	429	126	96	0.00	0.0	2.636	0.029	0	0	0	57
PL.62077	PD.9291	ABC	336 MCM AC	7.35Y	122.4	0.01	2.57	20.27	4	429	126	96	0.01	0.0	2.673	0.036	0	0	0	57

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: Eberle

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

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
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PL.62078	PL.62077	ABC	336 MCM AC	7.35Y	122.4	0.01	2.57	20.27	4	429	126	96	0.01	0.0	2.706	0.034	0	0	0	57
PL.62079	PL.62078	B	#4 ACSR	7.35Y	122.4	0.00	2.57	0.92	1	6	2	95	0.00	0.0	2.709	0.003	0	0	0	3
PD.9292	PL.62079	B	25T	7.35Y	122.4	0.00	2.57	0.92	0	6	2	95	0.00	0.0	2.709	0.003	0	0	0	3
PL.62080	PD.9292	B	#4 ACSR	7.35Y	122.4	0.00	2.57	0.92	1	6	2	95	0.00	0.0	2.741	0.032	6	2	2	3
PL.62081	PL.62080	B	#4 ACSR	7.35Y	122.4	0.00	2.57	0.02	0	0	0	100	0.00	0.0	2.874	0.133	0	0	1	1
PL.62082	PL.62078	ABC	336 MCM AC	7.35Y	122.4	0.01	2.58	19.96	4	422	124	96	0.02	0.0	2.778	0.071	0	0	0	54
PL.62216	PL.62082	B	#1/0 ACSR	7.35Y	122.4	0.00	2.58	1.43	1	10	3	96	0.00	0.0	2.781	0.003	0	0	0	1
PD.9293	PL.62216	B	20T	7.35Y	122.4	0.00	2.58	1.43	0	10	3	96	0.00	0.0	2.781	0.003	0	0	0	1
PL.63834	PD.9293	B	#1/0 ACSR	7.34Y	122.4	0.00	2.58	1.43	1	10	3	96	0.00	0.0	2.810	0.029	10	3	1	1
PL.62215	PL.62082	ABC	336 MCM AC	7.34Y	122.4	0.01	2.59	19.49	4	412	121	96	0.02	0.0	2.830	0.052	0	0	0	53
PL.61545	PL.62215	ABC	336 MCM AC	7.34Y	122.4	0.01	2.60	19.49	4	412	121	96	0.02	0.0	2.892	0.062	0	0	0	53
PL.61546	PL.61545	B	#4 ACSR	7.34Y	122.4	0.00	2.60	0.64	0	4	1	97	0.00	0.0	2.895	0.003	0	0	0	1
PD.9294	PL.61546	B	25T	7.34Y	122.4	0.00	2.60	0.64	0	4	1	97	0.00	0.0	2.895	0.003	0	0	0	1
PL.61547	PD.9294	B	#4 ACSR	7.34Y	122.4	0.00	2.60	0.64	0	4	1	97	0.00	0.0	2.953	0.058	4	1	1	1
PL.61548	PL.61545	A	6 A (CWC)	7.34Y	122.4	0.00	2.60	1.05	1	7	2	96	0.00	0.0	2.895	0.003	0	0	0	1
PD.9295	PL.61548	A	25T	7.34Y	122.4	0.00	2.60	1.05	0	7	2	96	0.00	0.0	2.895	0.003	0	0	0	1
PL.61549	PD.9295	A	6 A (CWC)	7.34Y	122.4	0.00	2.60	1.05	1	7	2	96	0.00	0.0	2.916	0.021	7	2	1	1
PL.63353	PL.61549	A	#4 ACSR	7.34Y	122.4	0.00	2.60	0.00	0	0	0	100	0.00	0.0	2.987	0.071	0	0	0	0
PL.62151	PL.61545	ABC	336 MCM AC	7.34Y	122.4	0.01	2.61	18.93	4	400	118	96	0.01	0.0	2.938	0.046	0	0	0	51
PL.62153	PL.62151	B	#1/0 ACSR	7.34Y	122.4	0.00	2.61	0.01	0	0	0	100	0.00	0.0	2.977	0.039	0	0	0	1
PL.62439	PL.62153	B	#2 ACSR	7.34Y	122.4	0.00	2.61	0.01	0	0	0	100	0.00	0.0	2.980	0.003	0	0	0	1
PD.9376	PL.62439	B	10T	7.34Y	122.4	0.00	2.61	0.01	0	0	0	100	0.00	0.0	2.980	0.003	0	0	0	1
PL.62440	PD.9376	B	#2 ACSR	7.34Y	122.4	0.00	2.61	0.01	0	0	0	100	0.00	0.0	3.046	0.066	0	0	1	1
PL.62152	PL.62151	ABC	336 MCM AC	7.34Y	122.4	0.00	2.61	18.92	4	400	118	96	0.01	0.0	2.972	0.033	11	3	1	50
PL.61798	PL.62152	ABC	336 MCM AC	7.34Y	122.4	0.01	2.62	17.40	3	368	108	96	0.02	0.0	3.043	0.072	0	0	0	47
PL.61801	PL.61798	B	#1/0 ACSR	7.34Y	122.4	0.00	2.62	2.08	1	15	4	97	0.00	0.0	3.045	0.002	0	0	0	3
PD.9297	PL.61801	B	25T	7.34Y	122.4	0.00	2.62	2.08	0	15	4	97	0.00	0.0	3.045	0.002	0	0	0	3
PL.61795	PD.9297	B	#1/0 ACSR	7.34Y	122.4	0.00	2.62	2.08	1	15	4	97	0.00	0.0	3.069	0.024	11	3	2	3
PL.40199	PL.61795	B	#4 ACSR 6/	7.34Y	122.4	0.00	2.62	0.49	0	3	1	95	0.00	0.0	3.103	0.034	3	1	1	1
PL.61799	PL.61798	A	#1/0 ACSR	7.34Y	122.4	0.00	2.62	7.36	3	52	15	96	0.00	0.0	3.065	0.022	0	0	0	4
PL.61796	PL.61799	A	#2 ACSR	7.34Y	122.4	0.00	2.62	1.91	1	13	4	96	0.00	0.0	3.067	0.002	0	0	0	1

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

Units Displayed In Volts																					
-Base Voltage:120.0-																					
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----			Cons On	Cons Thru
PD.9298	PL.61796	A	25T	7.34Y	122.4	0.00	2.62	1.91	0	13	4	96	0.00	0.0	3.067	0.002	0	0	0	1	
PL.61797	PD.9298	A	#2 ACSR	7.34Y	122.4	0.00	2.63	1.91	1	13	4	96	0.00	0.0	3.115	0.048	13	4	1	1	
PL.63392	PL.61799	A	#1/0 ACSR	7.34Y	122.4	0.00	2.62	5.45	2	38	11	96	0.00	0.0	3.067	0.002	0	0	0	3	
PD.9417	PL.63392	A	25T	7.34Y	122.4	0.00	2.62	5.45	0	38	11	96	0.00	0.0	3.067	0.002	0	0	0	3	
PL.63393	PD.9417	A	#1/0 ACSR	7.34Y	122.4	0.00	2.63	5.45	2	38	11	96	0.00	0.0	3.103	0.036	0	0	0	3	
PL.63394	PL.63393	A	#1/0 ACSR	7.34Y	122.4	0.01	2.63	5.45	2	38	11	96	0.00	0.0	3.147	0.044	0	0	0	3	
PL.63395	PL.63394	A	#1/0 ACSR	7.34Y	122.4	0.01	2.64	5.45	2	38	11	96	0.00	0.0	3.212	0.065	0	0	0	3	
PL.63396	PL.63395	A	#1/0 ACSR	7.34Y	122.3	0.02	2.66	5.45	2	38	11	96	0.00	0.0	3.348	0.135	0	0	0	3	
PL.63411	PL.63396	A	#1/0 ACSR	7.34Y	122.3	0.01	2.67	5.45	2	38	11	96	0.00	0.0	3.442	0.094	0	0	0	3	
PL.63415	PL.63411	A	#1/0 ACSR	7.34Y	122.3	0.00	2.68	1.61	1	11	3	96	0.00	0.0	3.521	0.079	0	0	0	1	
PL.63416	PL.63415	A	#1/0 ACSR	7.34Y	122.3	0.00	2.68	1.61	1	11	3	96	0.00	0.0	3.584	0.064	0	0	0	1	
PL.63417	PL.63416	A	#1/0 ACSR	7.34Y	122.3	0.00	2.68	1.61	1	11	3	96	0.00	0.0	3.620	0.036	0	0	0	1	
PL.63418	PL.63417	A	#1/0 ACSR	7.34Y	122.3	0.00	2.68	1.61	1	11	3	96	0.00	0.0	3.691	0.071	0	0	0	1	
PL.63419	PL.63418	A	1/0 AL URD	7.34Y	122.3	0.00	2.68	1.61	1	11	3	96	0.00	0.0	3.737	0.046	11	3	1	1	
PL.63412	PL.63411	A	#1/0 ACSR	7.34Y	122.3	0.00	2.67	1.29	1	9	3	95	0.00	0.0	3.448	0.006	0	0	0	1	
PD.9420	PL.63412	A	15T	7.34Y	122.3	0.00	2.67	1.29	0	9	3	95	0.00	0.0	3.448	0.006	0	0	0	1	
PL.63413	PD.9420	A	#1/0 ACSR	7.34Y	122.3	0.00	2.67	1.29	1	9	3	95	0.00	0.0	3.495	0.047	0	0	0	1	
PL.63414	PL.63413	A	#1/0 ACSR	7.34Y	122.3	0.00	2.68	1.29	1	9	3	95	0.00	0.0	3.569	0.074	9	3	1	1	
PL.63397	PL.63411	A	#1/0 ACSR	7.34Y	122.3	0.00	2.67	2.55	1	18	5	96	0.00	0.0	3.444	0.003	0	0	0	1	
PD.9418	PL.63397	A	10T	7.34Y	122.3	0.00	2.67	2.55	0	18	5	96	0.00	0.0	3.444	0.003	0	0	0	1	
PL.63398	PD.9418	A	#1/0 ACSR	7.34Y	122.3	0.00	2.68	2.55	1	18	5	96	0.00	0.0	3.499	0.054	0	0	0	1	
PL.63399	PL.63398	A	#1/0 ACSR	7.34Y	122.3	0.00	2.68	2.55	1	18	5	96	0.00	0.0	3.538	0.039	0	0	0	1	
PL.63400	PL.63399	A	#1/0 ACSR	7.34Y	122.3	0.00	2.68	2.55	1	18	5	96	0.00	0.0	3.610	0.072	18	5	1	1	
PL.61800	PL.61798	ABC	336 MCM AC	7.34Y	122.4	0.01	2.63	14.25	3	301	89	96	0.02	0.0	3.148	0.104	0	0	0	40	
PL.62236	PL.61800	B	#1/0 ACSR	7.34Y	122.4	0.00	2.63	4.58	2	32	9	96	0.00	0.0	3.151	0.003	0	0	0	5	
PD.9299	PL.62236	B	25T	7.34Y	122.4	0.00	2.63	4.58	0	32	9	96	0.00	0.0	3.151	0.003	0	0	0	5	
PL.62237	PD.9299	B	#1/0 ACSR	7.34Y	122.4	0.00	2.63	4.58	2	32	9	96	0.00	0.0	3.177	0.026	9	3	2	5	
PL.41270	PL.62237	B	#4 ACSR 6/	7.34Y	122.4	0.00	2.64	3.01	2	21	6	96	0.00	0.0	3.213	0.036	21	6	2	2	
PL.39665	PL.62237	B	#2 ACSR 6/	7.34Y	122.4	0.00	2.63	0.29	0	2	1	89	0.00	0.0	3.219	0.042	2	1	1	1	
PL.62335	PL.61800	ABC	336 MCM AC	7.34Y	122.4	0.00	2.64	12.72	2	269	79	96	0.00	0.0	3.180	0.033	0	0	0	35	
PL.62336	PL.62335	A	#1/0 ACSR	7.34Y	122.4	0.00	2.64	5.12	2	36	11	96	0.00	0.0	3.182	0.001	0	0	0	5	

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

Balanced Voltage Drop Report  
Source: Eberle

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.9330	PL.62336	A	25T	7.34Y	122.4	0.00	2.64	5.12	0	36	11	96	0.00	0.0	3.182	0.001	0	0	0	5
PL.62337	PD.9330	A	#1/0 ACSR	7.34Y	122.4	0.00	2.64	5.12	2	36	11	96	0.00	0.0	3.183	0.001	0	0	0	5
PL.62334	PL.62337	A	#1/0 ACSR	7.34Y	122.4	0.00	2.64	2.94	1	21	6	96	0.00	0.0	3.219	0.036	21	6	4	4
PL.62333	PL.62337	A	#1/0 ACSR	7.34Y	122.4	0.00	2.64	2.18	1	15	5	95	0.00	0.0	3.216	0.033	15	5	1	1
PL.62813	PL.62335	ABC	336 MCM AC	7.34Y	122.4	0.01	2.64	11.02	2	233	69	96	0.01	0.0	3.264	0.083	15	4	1	30
PL.62815	PL.62813	A	#4 ACSR	7.34Y	122.4	0.00	2.64	4.10	3	29	8	96	0.00	0.0	3.267	0.003	0	0	0	3
PD.9300	PL.62815	A	25T	7.34Y	122.4	0.00	2.64	4.10	0	29	8	96	0.00	0.0	3.267	0.003	0	0	0	3
PL.62817	PD.9300	A	#4 ACSR	7.34Y	122.4	0.00	2.65	4.10	3	29	8	96	0.00	0.0	3.299	0.033	11	3	1	3
PL.62816	PL.62817	A	#2 ACSR 6/	7.34Y	122.3	0.00	2.65	2.50	1	18	5	96	0.00	0.0	3.338	0.038	0	0	0	2
PL.62238	PL.62816	A	#2 ACSR 6/	7.34Y	122.3	0.00	2.65	2.50	1	18	5	96	0.00	0.0	3.389	0.051	9	3	1	2
PL.41271	PL.62238	A	#2 ACSR 6/	7.34Y	122.3	0.00	2.65	1.19	1	8	2	97	0.00	0.0	3.434	0.045	8	2	1	1
PL.62814	PL.62813	ABC	336 MCM AC	7.34Y	122.4	0.00	2.64	8.96	2	189	56	96	0.00	0.0	3.299	0.036	0	0	0	26
PL.62239	PL.62814	ABC	336 MCM AC	7.34Y	122.4	0.00	2.65	8.96	2	189	56	96	0.00	0.0	3.351	0.052	0	0	0	26
PL.62159	PL.62239	ABC	336 MCM AC	7.34Y	122.3	0.00	2.65	8.59	2	181	53	96	0.00	0.0	3.415	0.065	0	0	0	25
PL.62160	PL.62159	ABC	336 MCM AC	7.34Y	122.3	0.00	2.65	8.59	2	181	53	96	0.00	0.0	3.463	0.048	0	0	0	25
PL.62268	PL.62160	ABC	336 MCM AC	7.34Y	122.3	0.01	2.66	7.91	2	167	49	96	0.01	0.0	3.575	0.112	0	0	0	24
PL.62270	PL.62268	B	#1/0 ACSR	7.34Y	122.3	0.00	2.66	3.38	1	24	7	96	0.00	0.0	3.578	0.003	0	0	0	3
PD.9310	PL.62270	B	25T	7.34Y	122.3	0.00	2.66	3.38	0	24	7	96	0.00	0.0	3.578	0.003	0	0	0	3
PL.62271	PD.9310	B	#1/0 ACSR	7.34Y	122.3	0.00	2.66	3.38	1	24	7	96	0.00	0.0	3.598	0.020	12	4	2	3
PL.41272	PL.62271	B	#1/0 ACSR	7.34Y	122.3	0.00	2.67	1.69	1	12	3	97	0.00	0.0	3.649	0.051	0	0	0	1
PL.41273	PL.41272	B	#4 ACSR 6/	7.34Y	122.3	0.00	2.67	1.69	1	12	3	97	0.00	0.0	3.679	0.031	12	3	1	1
PL.40557	PL.41272	B	#2 ACSR 6/	7.34Y	122.3	0.00	2.67	0.00	0	0	0	100	0.00	0.0	3.772	0.124	0	0	0	0
PL.62269	PL.62268	ABC	336 MCM AC	7.34Y	122.3	0.00	2.67	6.78	1	143	42	96	0.00	0.0	3.666	0.092	0	0	0	21
PL.61811	PL.62269	ABC	336 MCM AC	7.34Y	122.3	0.00	2.67	6.78	1	143	42	96	0.00	0.0	3.700	0.034	34	10	3	21
PL.61812	PL.61811	ABC	336 MCM AC	7.34Y	122.3	0.00	2.67	4.66	1	98	29	96	0.00	0.0	3.810	0.110	1	0	2	16
PL.61813	PL.61812	ABC	336 MCM AC	7.34Y	122.3	0.00	2.67	4.63	1	98	29	96	0.00	0.0	3.897	0.086	29	9	3	14
PL.40983	PL.61813	ABC	#2 ACSR	7.34Y	122.3	0.01	2.68	3.26	2	69	20	96	0.00	0.0	3.981	0.085	5	1	1	11
PL.40984	PL.40983	ABC	#2 ACSR	7.34Y	122.3	0.00	2.68	3.02	2	64	19	96	0.00	0.0	4.024	0.042	10	3	2	10
PL.40985	PL.40984	ABC	#2 ACSR	7.34Y	122.3	0.00	2.69	2.55	1	54	16	96	0.00	0.0	4.066	0.042	8	2	1	8
PL.40986	PL.40985	ABC	#2 ACSR	7.34Y	122.3	0.00	2.69	2.18	1	46	14	96	0.00	0.0	4.139	0.073	6	2	3	7
PL.53753	PL.40986	ABC	#2 ACSR	7.34Y	122.3	0.00	2.69	1.90	1	40	12	96	0.00	0.0	4.212	0.073	0	0	0	4

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Balanced Voltage Drop Report  
Source: Eberle

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.60750	PL.53753	ABC	#2 ACSR	7.34Y	122.3	0.00	2.69	0.00	0	0	0	100	0.00	0.0	4.302	0.090	0	0	0	0
PD.9062-A	PL.60750	ABC	Open	7.34Y	122.3	0.00	2.69	0.00	0	0	0	100	0.00	0.0	4.302	0.090	0	0	0	0
PL.53754	PL.53753	B	#4 ACSR	7.34Y	122.3	0.00	2.70	5.71	4	40	12	96	0.00	0.0	4.218	0.006	0	0	0	4
PD.6355	PL.53754	B	40QA	7.34Y	122.3	0.00	2.70	5.71	14	40	12	96	0.00	0.0	4.218	0.006	0	0	0	4
PL.40989	PD.6355	B	#4 ACSR	7.34Y	122.3	0.01	2.70	5.71	4	40	12	96	0.00	0.0	4.262	0.044	40	12	4	4
PL.40987	PL.61813	A	#4 ACSR	7.34Y	122.3	0.00	2.67	0.00	0	0	0	100	0.00	0.0	3.902	0.006	0	0	0	0
PD.6342	PL.40987	A	40QA	7.34Y	122.3	0.00	2.67	0.00	0	0	0	100	0.00	0.0	3.902	0.006	0	0	0	0
PL.40988	PD.6342	A	#4 ACSR	7.34Y	122.3	0.00	2.67	0.00	0	0	0	100	0.00	0.0	3.991	0.088	0	0	0	0
PL.62272	PL.61811	A	#1/0 ACSR	7.34Y	122.3	0.00	2.67	1.50	1	11	3	96	0.00	0.0	3.703	0.003	0	0	0	2
PD.9311	PL.62272	A	25T	7.34Y	122.3	0.00	2.67	1.50	0	11	3	96	0.00	0.0	3.703	0.003	0	0	0	2
PL.62274	PD.9311	A	#1/0 ACSR	7.34Y	122.3	0.00	2.67	1.50	1	11	3	96	0.00	0.0	3.736	0.033	2	0	1	2
PL.62273	PL.62274	A	#4 ACSR	7.34Y	122.3	0.00	2.67	1.27	1	9	3	95	0.00	0.0	3.769	0.033	0	0	0	1
PL.60826	PL.62273	A	#1/0 ACSR	7.34Y	122.3	0.00	2.67	1.27	1	9	3	95	0.00	0.0	3.814	0.044	9	3	1	1
PL.62266	PL.62160	B	#1/0 ACSR	7.34Y	122.3	0.00	2.66	2.03	1	14	4	96	0.00	0.0	3.466	0.003	0	0	0	1
PD.9309	PL.62266	B	25T	7.34Y	122.3	0.00	2.66	2.03	0	14	4	96	0.00	0.0	3.466	0.003	0	0	0	1
PL.62267	PD.9309	B	#1/0 ACSR	7.34Y	122.3	0.00	2.66	2.03	1	14	4	96	0.00	0.0	3.526	0.060	14	4	1	1
PL.62242	PL.62239	A	#1/0 ACSR	7.34Y	122.4	0.00	2.65	0.00	0	0	0	100	0.00	0.0	3.354	0.003	0	0	0	0
PD.9301	PL.62242	A	25T	7.34Y	122.4	0.00	2.65	0.00	0	0	0	100	0.00	0.0	3.354	0.003	0	0	0	0
PL.62243	PD.9301	A	#1/0 ACSR	7.34Y	122.4	0.00	2.65	0.00	0	0	0	100	0.00	0.0	3.405	0.051	0	0	0	0
PL.62240	PL.62243	A	#2 ACSR	7.34Y	122.4	0.00	2.65	0.00	0	0	0	100	0.00	0.0	3.439	0.034	0	0	0	0
PL.62241	PL.62239	A	#2 ACSR	7.34Y	122.4	0.00	2.65	1.13	1	8	2	97	0.00	0.0	3.382	0.031	8	2	1	1
PL.61550	PL.62152	B	#4 ACSR	7.34Y	122.4	0.00	2.61	3.04	2	21	6	96	0.00	0.0	2.975	0.003	0	0	0	2
PD.9296	PL.61550	B	25T	7.34Y	122.4	0.00	2.61	3.04	0	21	6	96	0.00	0.0	2.975	0.003	0	0	0	2
PL.62156	PD.9296	B	#4 ACSR	7.34Y	122.4	0.00	2.61	3.04	2	21	6	96	0.00	0.0	3.013	0.038	21	6	2	2
PL.62210	PL.62209	A	#1/0 ACSR	7.35Y	122.5	0.00	2.51	2.14	1	15	4	97	0.00	0.0	2.398	0.003	0	0	0	2
PD.9289	PL.62210	A	30T	7.35Y	122.5	0.00	2.51	2.14	0	15	4	97	0.00	0.0	2.398	0.003	0	0	0	2
PL.62211	PD.9289	A	#1/0 ACSR	7.35Y	122.5	0.00	2.51	2.14	1	15	4	97	0.00	0.0	2.449	0.051	15	4	2	2
PL.62196	PL.62194	ABC	#1/0 ACSR	7.36Y	122.6	0.02	2.41	30.96	13	655	195	96	0.07	0.0	2.086	0.028	0	0	0	91
PL.62197	PL.62196	ABC	#1/0 ACSR	7.36Y	122.6	0.00	2.41	30.96	13	655	195	96	0.01	0.0	2.090	0.003	0	0	0	91
PD.9286	PL.62197	ABC	50L	7.36Y	122.6	0.00	2.41	30.96	62	655	195	96	0.00	0.0	2.090	0.003	0	0	0	91
PL.62198	PD.9286	ABC	#1/0 ACSR	7.35Y	122.5	0.09	2.50	30.96	13	655	195	96	0.42	0.1	2.254	0.164	6	2	1	91

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Balanced Voltage Drop Report  
Source: Eberle

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.41198	PL.62198	ABC	#1/0 ACSR	7.34Y	122.3	0.17	2.67	30.69	13	649	193	96	0.77	0.1	2.568	0.314	13	4	1	90
PL.40963	PL.41198	ABC	#1/0 ACSR	7.34Y	122.3	0.04	2.72	28.94	13	611	181	96	0.18	0.0	2.650	0.082	0	0	0	85
PL.40966	PL.40963	A	#4 ACSR	7.34Y	122.3	0.00	2.72	0.35	0	2	1	89	0.00	0.0	2.656	0.006	0	0	0	1
PD.6319	PL.40966	A	40QA	7.34Y	122.3	0.00	2.72	0.35	1	2	1	89	0.00	0.0	2.656	0.006	0	0	0	1
PL.40512	PD.6319	A	#4 ACSR	7.34Y	122.3	0.00	2.72	0.35	0	2	1	89	0.00	0.0	2.789	0.134	2	1	1	1
PL.40964	PL.40963	ABC	#1/0 ACSR	7.34Y	122.3	0.03	2.75	28.82	13	608	180	96	0.14	0.0	2.712	0.062	8	2	1	84
PL.40965	PL.40964	ABC	#1/0 ACSR	7.33Y	122.2	0.02	2.77	28.42	12	600	178	96	0.09	0.0	2.754	0.042	11	3	1	83
PL.40518	PL.40965	ABC	#1/0 ACSR	7.33Y	122.2	0.03	2.81	27.90	12	588	174	96	0.14	0.0	2.823	0.069	8	2	1	82
PL.40515	PL.40518	C	6 A (CWC)	7.33Y	122.2	0.00	2.81	2.07	1	15	4	97	0.00	0.0	2.826	0.003	0	0	0	1
PD.6360	PL.40515	C	40QA	7.33Y	122.2	0.00	2.81	2.07	5	15	4	97	0.00	0.0	2.826	0.003	0	0	0	1
PL.40516	PD.6360	C	6 A (CWC)	7.33Y	122.2	0.00	2.81	2.07	1	15	4	97	0.00	0.0	2.901	0.075	15	4	1	1
PL.40517	PL.40516	C	6 A (CWC)	7.33Y	122.2	0.00	2.81	0.00	0	0	0	100	0.00	0.0	2.974	0.073	0	0	0	0
PL.40519	PL.40518	ABC	#1/0 ACSR	7.33Y	122.2	0.04	2.84	26.68	12	563	167	96	0.14	0.0	2.899	0.077	15	4	1	79
PL.41204	PL.40519	ABC	#1/0 ACSR	7.33Y	122.1	0.05	2.89	25.48	11	537	159	96	0.17	0.0	3.000	0.101	3	1	1	76
PL.41205	PL.41204	ABC	#1/0 ACSR	7.32Y	122.1	0.03	2.92	25.35	11	534	158	96	0.12	0.0	3.069	0.069	0	0	0	75
PL.60743	PL.41205	ABC	#1/0 ACSR	7.32Y	122.0	0.05	2.97	25.35	11	534	158	96	0.19	0.0	3.179	0.110	0	0	0	74
PL.60745	PL.60743	A	#1/0 ACSR	7.32Y	122.0	0.00	2.97	2.01	1	14	4	96	0.00	0.0	3.183	0.003	0	0	0	1
PD.9061	PL.60745	A	20T	7.32Y	122.0	0.00	2.97	2.01	0	14	4	96	0.00	0.0	3.183	0.003	0	0	0	1
PL.60746	PD.9061	A	#1/0 ACSR	7.32Y	122.0	0.00	2.97	2.01	1	14	4	96	0.00	0.0	3.203	0.020	14	4	1	1
PL.60744	PL.60743	ABC	#1/0 ACSR	7.32Y	122.0	0.02	3.00	24.68	11	520	154	96	0.09	0.0	3.233	0.053	0	0	0	73
PL.41252	PL.60744	ABC	#1/0 ACSR	7.32Y	122.0	0.01	3.01	16.08	7	339	100	96	0.02	0.0	3.267	0.034	0	0	0	47
PL.41253	PL.41252	ABC	#1/0 ACSR	7.32Y	122.0	0.02	3.03	16.08	7	339	100	96	0.05	0.0	3.339	0.072	10	3	1	47
PL.41254	PL.41253	ABC	#1/0 ACSR	7.32Y	122.0	0.02	3.04	15.61	7	329	97	96	0.04	0.0	3.404	0.065	0	0	1	46
PL.41255	PL.41254	A	#4 ACSR	7.32Y	122.0	0.00	3.04	0.91	1	6	2	95	0.00	0.0	3.409	0.006	0	0	0	1
PD.6301	PL.41255	A	40QA	7.32Y	122.0	0.00	3.04	0.91	2	6	2	95	0.00	0.0	3.409	0.006	0	0	0	1
PL.41256	PD.6301	A	#4 ACSR	7.32Y	122.0	0.00	3.05	0.91	1	6	2	95	0.00	0.0	3.478	0.069	6	2	1	1
PL.59198	PL.41254	ABC	#1/0 ACSR	7.32Y	121.9	0.01	3.05	15.31	7	322	95	96	0.02	0.0	3.433	0.029	21	6	2	44
PL.59199	PL.59198	ABC	#1/0 ACSR	7.32Y	121.9	0.02	3.07	14.32	6	302	89	96	0.04	0.0	3.505	0.072	0	0	0	42
PL.60674	PL.59199	B	#1/0 ACSR	7.32Y	121.9	0.00	3.07	1.76	1	12	4	95	0.00	0.0	3.580	0.075	0	0	0	1
PL.60675	PL.60674	B	#1/0 ACSR	7.32Y	121.9	0.00	3.08	1.76	1	12	4	95	0.00	0.0	3.615	0.035	12	4	1	1
PL.41257	PL.59199	ABC	#1/0 ACSR	7.31Y	121.9	0.02	3.09	13.74	6	289	85	96	0.04	0.0	3.580	0.076	6	2	1	41

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: Eberle

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----			
																KW	KVAR	Cons On	Cons Thru	
PL.41258	PL.41257	ABC	#1/0 ACSR	7.31Y	121.9	0.02	3.11	12.90	6	272	80	96	0.05	0.0	3.688	0.108	15	4	1	39
PL.41262	PL.41258	ABC	#1/0 ACSR	7.31Y	121.9	0.01	3.12	12.19	5	256	76	96	0.01	0.0	3.721	0.034	10	3	2	38
PL.41263	PL.41262	ABC	#1/0 ACSR	7.31Y	121.9	0.02	3.15	11.69	5	246	73	96	0.04	0.0	3.833	0.112	4	1	1	36
PL.41265	PL.41263	A	#4 ACSR	7.31Y	121.9	0.00	3.15	5.86	5	41	12	96	0.00	0.0	3.839	0.006	0	0	0	5
PD.6290	PL.41265	A	40QA	7.31Y	121.9	0.00	3.15	5.86	15	41	12	96	0.00	0.0	3.839	0.006	0	0	0	5
PL.41128	PD.6290	A	#4 ACSR	7.31Y	121.8	0.02	3.17	5.86	5	41	12	96	0.01	0.0	3.926	0.087	0	0	0	5
PL.41129	PL.41128	A	#4 ACSR	7.31Y	121.8	0.00	3.17	5.86	5	41	12	96	0.00	0.0	3.947	0.021	7	2	1	5
PL.41130	PL.41129	A	#4 ACSR	7.31Y	121.8	0.02	3.19	4.87	4	34	10	96	0.00	0.0	4.020	0.074	2	0	1	4
PL.40970	PL.41130	A	#4 ACSR	7.31Y	121.8	0.01	3.20	4.64	4	33	10	96	0.00	0.0	4.091	0.070	0	0	0	3
PL.40971	PL.40970	A	#4 ACSR	7.31Y	121.8	0.01	3.22	4.64	4	33	10	96	0.00	0.0	4.140	0.049	0	0	0	3
PL.40766	PL.40971	A	#4 ACSR	7.31Y	121.8	0.00	3.22	2.58	2	18	5	96	0.00	0.0	4.180	0.041	18	5	1	1
PL.40972	PL.40971	A	#4 ACSR	7.31Y	121.8	0.00	3.22	0.04	0	0	0	100	0.00	0.0	4.182	0.043	0	0	1	1
PL.40990	PL.40972	A	#4 ACSR	7.31Y	121.8	0.00	3.22	0.00	0	0	0	100	0.00	0.0	4.374	0.192	0	0	0	0
PL.40286	PL.40971	A	#4 ACSR	7.31Y	121.8	0.00	3.22	2.02	2	14	4	96	0.00	0.0	4.190	0.050	14	4	1	1
PL.40991	PL.41263	ABC	#1/0 ACSR	7.31Y	121.8	0.03	3.18	8.56	4	180	53	96	0.04	0.0	4.045	0.211	0	0	0	26
PL.59200	PL.40991	ABC	#1/0 ACSR	7.31Y	121.8	0.03	3.21	7.96	3	167	49	96	0.04	0.0	4.262	0.218	0	0	0	24
PL.59201	PL.59200	ABC	#1/0 ACSR	7.31Y	121.8	0.01	3.22	7.96	3	167	49	96	0.01	0.0	4.342	0.080	8	2	1	24
PL.40996	PL.59201	ABC	#1/0 ACSR	7.31Y	121.8	0.01	3.23	7.58	3	159	47	96	0.01	0.0	4.433	0.091	5	1	1	23
PL.40997	PL.40996	ABC	#1/0 ACSR	7.30Y	121.7	0.03	3.27	7.35	3	155	46	96	0.03	0.0	4.672	0.239	0	0	0	22
PL.40956	PL.40997	C	#2 ACSR	7.30Y	121.7	0.00	3.27	0.41	0	3	1	95	0.00	0.0	4.678	0.006	0	0	0	1
PD.6313	PL.40956	C	40QA	7.30Y	121.7	0.00	3.27	0.41	1	3	1	95	0.00	0.0	4.678	0.006	0	0	0	1
PL.40957	PD.6313	C	#2 ACSR	7.30Y	121.7	0.00	3.27	0.41	0	3	1	95	0.00	0.0	4.742	0.064	3	1	1	1
PL.40531	PL.40997	ABC	#1/0 ACSR	7.30Y	121.7	0.02	3.28	7.22	3	152	45	96	0.02	0.0	4.794	0.121	0	0	0	21
PL.40958	PL.40531	ABC	#1/0 ACSR	7.30Y	121.7	0.02	3.30	7.06	3	148	44	96	0.02	0.0	4.972	0.179	0	0	0	20
PL.40150	PL.40958	B	#4 ACSR	7.30Y	121.7	0.00	3.30	0.00	0	0	0	100	0.00	0.0	5.054	0.082	0	0	0	0
PL.40959	PL.40958	ABC	#1/0 ACSR	7.30Y	121.7	0.01	3.32	7.06	3	148	44	96	0.01	0.0	5.065	0.092	12	3	1	20
PL.40960	PL.40959	A	6 A (CWC)	7.30Y	121.6	0.05	3.36	11.33	8	79	23	96	0.03	0.0	5.157	0.092	0	0	0	13
PD.6392	PL.40960	A	35L	7.30Y	121.6	0.00	3.36	11.33	32	79	23	96	0.00	0.0	5.157	0.092	0	0	0	13
PL.40961	PD.6392	A	6 A (CWC)	7.30Y	121.6	0.00	3.37	11.33	8	79	23	96	0.00	0.0	5.163	0.006	0	0	0	13
PL.40461	PL.40961	A	6 A (CWC)	7.30Y	121.6	0.02	3.39	11.33	8	79	23	96	0.01	0.0	5.202	0.040	2	0	1	13
PL.40462	PL.40461	A	6 A (CWC)	7.29Y	121.6	0.03	3.42	11.10	8	78	23	96	0.02	0.0	5.261	0.059	1	0	1	12

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.40463	PL.40462	A	6 A (CWC)	7.29Y	121.5	0.09	3.50	10.94	8	77	23	96	0.05	0.1	5.441	0.180	5	2	1	11
PL.40464	PL.40463	A	6 A (CWC)	7.29Y	121.5	0.04	3.54	10.16	7	71	21	96	0.02	0.0	5.524	0.083	13	4	1	10
PL.40465	PL.40464	A	6 A (CWC)	7.29Y	121.4	0.03	3.57	8.37	6	59	17	96	0.01	0.0	5.601	0.077	0	0	0	9
PL.40230	PL.40465	A	#4 ACSR	7.29Y	121.4	0.00	3.57	0.66	1	5	1	98	0.00	0.0	5.737	0.136	5	1	1	1
PL.60736	PL.40465	A	6 A (CWC)	7.28Y	121.4	0.04	3.61	7.71	6	54	16	96	0.02	0.0	5.719	0.118	0	0	1	8
PL.60737	PL.60736	A	6 A (CWC)	7.28Y	121.4	0.03	3.64	7.71	6	54	16	96	0.01	0.0	5.809	0.090	0	0	0	7
PL.40715	PL.60737	A	#4 ACSR	7.28Y	121.4	0.00	3.64	0.00	0	0	0	100	0.00	0.0	5.864	0.056	0	0	0	0
PL.40520	PL.60737	A	6 A (CWC)	7.28Y	121.3	0.10	3.74	7.71	6	54	16	96	0.04	0.1	6.094	0.286	6	2	1	7
PL.40743	PL.40520	A	#4 ACSR	7.28Y	121.3	0.00	3.74	0.76	1	5	2	93	0.00	0.0	6.127	0.033	5	2	1	1
PL.40526	PL.40520	A	#4 ACSR	7.28Y	121.3	0.01	3.74	2.60	2	18	5	96	0.00	0.0	6.157	0.063	10	3	1	2
PL.40527	PL.40526	A	#4 ACSR	7.28Y	121.3	0.00	3.75	1.22	1	9	3	95	0.00	0.0	6.195	0.037	0	0	0	1
PL.60734	PL.40527	A	#4 ACSR	7.28Y	121.3	0.00	3.75	1.22	1	9	3	95	0.00	0.0	6.229	0.034	9	3	1	1
PL.60733	PL.60734	A	#2 ACSR	7.28Y	121.3	0.00	3.75	0.00	0	0	0	100	0.00	0.0	6.335	0.106	0	0	0	0
PL.60735	PL.60734	A	#4 ACSR	7.28Y	121.3	0.00	3.75	0.00	0	0	0	100	0.00	0.0	6.448	0.220	0	0	0	0
PL.60732	PL.60734	A	#4 ACSR	7.28Y	121.3	0.00	3.75	0.00	0	0	0	100	0.00	0.0	6.250	0.022	0	0	0	0
PL.40521	PL.40520	A	#4 ACSR	7.28Y	121.3	0.00	3.74	3.53	3	25	7	96	0.00	0.0	6.123	0.028	0	0	0	3
PL.40522	PL.40521	A	#4 ACSR	7.28Y	121.3	0.01	3.75	3.53	3	25	7	96	0.00	0.0	6.174	0.051	13	4	1	3
PL.40226	PL.40522	A	#4 ACSR	7.28Y	121.3	0.00	3.75	0.00	0	0	0	100	0.00	0.0	6.211	0.037	0	0	0	0
PL.40523	PL.40522	A	#4 ACSR	7.27Y	121.2	0.00	3.75	1.74	1	12	4	95	0.00	0.0	6.195	0.021	0	0	0	2
PL.40524	PL.40523	A	#4 ACSR	7.27Y	121.2	0.00	3.75	1.74	1	12	4	95	0.00	0.0	6.254	0.059	9	3	1	2
PL.40525	PL.40524	A	#4 ACSR	7.27Y	121.2	0.00	3.75	0.49	0	3	1	95	0.00	0.0	6.291	0.037	3	1	1	1
PL.40327	PL.40959	C	6 A (CWC)	7.30Y	121.7	0.03	3.34	8.21	6	58	17	96	0.01	0.0	5.131	0.066	0	0	0	6
PL.40528	PL.40327	C	6 A (CWC)	7.30Y	121.7	0.00	3.34	8.21	6	58	17	96	0.00	0.0	5.137	0.006	0	0	0	6
PD.6393	PL.40528	C	35L	7.30Y	121.7	0.00	3.34	8.21	23	58	17	96	0.00	0.0	5.137	0.006	0	0	0	6
PL.40529	PD.6393	C	6 A (CWC)	7.30Y	121.6	0.01	3.35	8.21	6	58	17	96	0.00	0.0	5.158	0.022	0	0	0	6
PL.40530	PL.40529	C	6 A (CWC)	7.30Y	121.6	0.03	3.39	8.21	6	58	17	96	0.01	0.0	5.249	0.090	0	0	0	6
PL.40380	PL.40530	C	6 A (CWC)	7.29Y	121.6	0.05	3.44	4.43	3	31	9	96	0.01	0.0	5.496	0.247	0	0	0	3
PL.40691	PL.40380	C	6 A (CWC)	7.29Y	121.6	0.01	3.45	4.01	3	28	8	96	0.00	0.0	5.649	0.153	28	8	2	2
PL.40381	PL.40380	C	6 A (CWC)	7.29Y	121.6	0.00	3.44	0.42	0	3	1	95	0.00	0.0	5.652	0.156	0	0	0	1
PL.60747	PL.40381	C	6 A (CWC)	7.29Y	121.6	0.01	3.45	0.42	0	3	1	95	0.00	0.0	6.367	0.715	3	1	1	1
PL.40379	PL.40530	C	6 A (CWC)	7.30Y	121.6	0.00	3.39	3.78	3	26	8	96	0.00	0.0	5.270	0.021	4	1	1	3

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.60662	PL.40379	C	6 A (CWC)	7.30Y	121.6	0.00	3.39	3.20	2	22	7	95	0.00	0.0	5.294	0.025	8	2	1	2
PL.60663	PL.60662	C	#1/0 ACSR	7.30Y	121.6	0.00	3.39	2.10	1	15	4	97	0.00	0.0	5.331	0.036	15	4	1	1
PL.40532	PL.40531	A	#4 ACSR	7.30Y	121.7	0.00	3.28	0.46	0	3	1	95	0.00	0.0	4.799	0.006	0	0	0	1
PD.6282	PL.40532	A	40QA	7.30Y	121.7	0.00	3.28	0.46	1	3	1	95	0.00	0.0	4.799	0.006	0	0	0	1
PL.41050	PD.6282	A	#4 ACSR	7.30Y	121.7	0.00	3.28	0.46	0	3	1	95	0.00	0.0	4.846	0.047	3	1	1	1
PL.40994	PL.40991	A	#4 ACSR	7.31Y	121.8	0.00	3.18	1.01	1	7	2	96	0.00	0.0	4.050	0.006	0	0	0	1
PD.6353	PL.40994	A	40QA	7.31Y	121.8	0.00	3.18	1.01	3	7	2	96	0.00	0.0	4.050	0.006	0	0	0	1
PL.40995	PD.6353	A	#4 ACSR	7.31Y	121.8	0.00	3.18	1.01	1	7	2	96	0.00	0.0	4.143	0.093	7	2	1	1
PL.40992	PL.40991	C	#4 ACSR	7.31Y	121.8	0.00	3.18	0.81	1	6	2	95	0.00	0.0	4.050	0.006	0	0	0	1
PD.6293	PL.40992	C	40QA	7.31Y	121.8	0.00	3.18	0.81	2	6	2	95	0.00	0.0	4.050	0.006	0	0	0	1
PL.40993	PD.6293	C	#4 ACSR	7.31Y	121.8	0.00	3.18	0.81	1	6	2	95	0.00	0.0	4.094	0.044	6	2	1	1
PL.41264	PL.41263	C	#4 ACSR	7.31Y	121.9	0.00	3.15	2.98	2	21	6	96	0.00	0.0	3.839	0.006	0	0	0	4
PD.6291	PL.41264	C	40QA	7.31Y	121.9	0.00	3.15	2.98	7	21	6	96	0.00	0.0	3.839	0.006	0	0	0	4
PL.41266	PD.6291	C	#4 ACSR	7.31Y	121.8	0.04	3.19	2.98	2	21	6	96	0.01	0.0	4.160	0.321	0	0	0	4
PL.41267	PL.41266	C	#4 ACSR	7.31Y	121.8	0.01	3.20	1.53	1	11	3	96	0.00	0.0	4.282	0.122	0	0	0	3
PL.41268	PL.41267	C	#4 ACSR	7.31Y	121.8	0.01	3.20	1.35	1	9	3	95	0.00	0.0	4.392	0.110	0	0	1	2
PL.41269	PL.41268	C	#4 ACSR	7.31Y	121.8	0.00	3.21	1.35	1	9	3	95	0.00	0.0	4.476	0.084	9	3	1	1
PL.40328	PL.41267	C	6 A (CWC)	7.31Y	121.8	0.00	3.20	0.18	0	1	0	100	0.00	0.0	4.356	0.073	1	0	1	1
PL.40411	PL.41266	C	#2 ACSR	7.31Y	121.8	0.00	3.19	1.45	1	10	3	96	0.00	0.0	4.220	0.060	10	3	1	1
PL.41259	PL.41257	A	#4 ACSR	7.31Y	121.9	0.00	3.09	1.60	1	11	3	96	0.00	0.0	3.586	0.006	0	0	0	1
PD.6292	PL.41259	A	40QA	7.31Y	121.9	0.00	3.09	1.60	4	11	3	96	0.00	0.0	3.586	0.006	0	0	0	1
PL.41260	PD.6292	A	#4 ACSR	7.31Y	121.9	0.00	3.09	1.60	1	11	3	96	0.00	0.0	3.597	0.011	0	0	0	1
PL.41261	PL.41260	A	#4 ACSR	7.31Y	121.9	0.00	3.09	1.60	1	11	3	96	0.00	0.0	3.695	0.098	11	3	1	1
PL.41206	PL.60744	C	6 A (CWC)	7.32Y	122.0	0.01	3.00	25.80	18	181	54	96	0.01	0.0	3.238	0.006	0	0	0	26
PD.6382	PL.41206	C	35L	7.32Y	122.0	0.00	3.00	25.80	74	181	54	96	0.00	0.0	3.238	0.006	0	0	0	26
PL.41207	PD.6382	C	6 A (CWC)	7.32Y	121.9	0.07	3.07	25.80	18	181	54	96	0.09	0.0	3.296	0.058	10	3	2	26
PL.41208	PL.41207	C	6 A (CWC)	7.31Y	121.8	0.10	3.17	24.45	17	172	51	96	0.13	0.1	3.389	0.094	5	2	1	24
PL.41230	PL.41208	C	6 A (CWC)	7.30Y	121.7	0.08	3.26	23.69	17	166	49	96	0.10	0.1	3.466	0.077	0	0	0	23
PL.41233	PL.41230	C	6 A (CWC)	7.30Y	121.7	0.09	3.34	14.99	11	105	31	96	0.07	0.1	3.591	0.125	0	0	0	17
PL.63777	PL.41233	C	6 A (CWC)	7.30Y	121.7	0.00	3.35	1.24	1	9	3	95	0.00	0.0	3.695	0.103	9	3	4	4
PL.41234	PL.41233	C	6 A (CWC)	7.30Y	121.6	0.02	3.37	13.75	10	96	28	96	0.02	0.0	3.628	0.036	0	0	0	13

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.41235	PL.41234	C	6 A (CWC)	7.29Y	121.4	0.20	3.56	13.75	10	96	28	96	0.13	0.1	3.972	0.345	18	5	2	13
PL.41236	PL.41235	C	6 A (CWC)	7.28Y	121.4	0.07	3.63	11.20	8	78	23	96	0.04	0.1	4.105	0.133	0	0	0	11
PL.41237	PL.41236	C	6 A (CWC)	7.28Y	121.3	0.05	3.69	11.20	8	78	23	96	0.03	0.0	4.219	0.114	13	4	1	11
PL.41238	PL.41237	C	6 A (CWC)	7.28Y	121.3	0.03	3.71	9.31	7	65	19	96	0.01	0.0	4.281	0.062	0	0	0	10
PL.41239	PL.41238	C	#1/0 ACSR	7.28Y	121.3	0.00	3.71	1.09	0	8	2	97	0.00	0.0	4.373	0.092	0	0	0	2
PL.59244	PL.41239	C	#1/0 ACSR	7.28Y	121.3	0.00	3.72	1.09	0	8	2	97	0.00	0.0	4.484	0.110	8	2	2	2
PL.41240	PL.41238	C	6 A (CWC)	7.28Y	121.3	0.02	3.73	8.22	6	57	17	96	0.01	0.0	4.346	0.065	13	4	1	8
PL.41241	PL.41240	C	6 A (CWC)	7.27Y	121.2	0.05	3.78	6.42	5	45	13	96	0.02	0.0	4.516	0.171	4	1	2	7
PL.41242	PL.41241	C	#4 ACSR	7.27Y	121.2	0.01	3.79	2.81	2	20	6	96	0.00	0.0	4.614	0.097	5	1	1	3
PL.41243	PL.41242	C	#4 ACSR	7.27Y	121.2	0.02	3.81	2.10	2	15	4	97	0.00	0.0	4.780	0.166	0	0	0	2
PL.41244	PL.41243	C	#4 ACSR	7.27Y	121.2	0.00	3.81	2.10	2	15	4	97	0.00	0.0	4.823	0.043	5	1	1	2
PL.41245	PL.41244	C	#4 ACSR	7.27Y	121.2	0.00	3.81	1.40	1	10	3	96	0.00	0.0	4.869	0.046	10	3	1	1
PL.41246	PL.41241	C	6 A (CWC)	7.27Y	121.2	0.02	3.80	3.08	2	21	6	96	0.00	0.0	4.658	0.142	0	0	0	2
PL.41247	PL.41246	C	6 A (CWC)	7.27Y	121.2	0.04	3.84	3.08	2	21	6	96	0.01	0.0	4.907	0.248	0	0	0	2
PL.41248	PL.41247	C	6 A (CWC)	7.27Y	121.2	0.00	3.84	3.08	2	21	6	96	0.00	0.0	4.954	0.047	21	6	2	2
PL.41249	PL.41248	C	6 A (CWC)	7.27Y	121.2	0.00	3.84	0.00	0	0	0	100	0.00	0.0	5.015	0.061	0	0	0	0
PL.41250	PL.41246	C	6 A (CWC)	7.27Y	121.2	0.00	3.80	0.00	0	0	0	100	0.00	0.0	4.865	0.207	0	0	0	0
PL.41251	PL.41250	C	6 A (CWC)	7.27Y	121.2	0.00	3.80	0.00	0	0	0	100	0.00	0.0	5.053	0.188	0	0	0	0
PL.57692	PL.41230	C	#4 ACSR	7.30Y	121.7	0.01	3.27	4.83	4	34	10	96	0.00	0.0	3.527	0.061	0	0	0	3
PL.57693	PL.57692	C	#4 ACSR	7.30Y	121.7	0.01	3.28	3.57	3	25	7	96	0.00	0.0	3.607	0.080	0	0	0	2
PL.40755	PL.57693	C	#2 ACSR	7.30Y	121.7	0.00	3.28	1.90	1	13	4	96	0.00	0.0	3.641	0.034	13	4	1	1
PL.41231	PL.57693	C	#4 ACSR	7.30Y	121.7	0.00	3.29	1.67	1	12	3	97	0.00	0.0	3.670	0.063	0	0	0	1
PL.41232	PL.41231	C	#4 ACSR	7.30Y	121.7	0.00	3.29	1.67	1	12	3	97	0.00	0.0	3.723	0.053	12	3	1	1
PL.57695	PL.57692	C	#1/0 ACSR	7.30Y	121.7	0.00	3.27	1.26	1	9	3	95	0.00	0.0	3.575	0.048	9	3	1	1
PL.57694	PL.57695	C	#1/0 ACSR	7.30Y	121.7	0.00	3.27	0.00	0	0	0	100	0.00	0.0	3.616	0.040	0	0	0	0
PL.40770	PL.41230	C	#4 ACSR	7.30Y	121.7	0.02	3.28	3.88	3	27	8	96	0.00	0.0	3.623	0.157	12	4	2	3
PL.61991	PL.40770	C	#1/0 ACSR	7.30Y	121.7	0.00	3.28	2.14	1	15	4	97	0.00	0.0	3.674	0.050	15	4	1	1
PL.63386	PL.41205	B	1/0 AL URD	7.32Y	122.1	-0.00	2.92	-0.04	0	0	0	100	0.00	0.0	3.136	0.067	0	0	1	1
PL.41202	PL.40519	A	#2 ACSR	7.33Y	122.2	0.00	2.84	1.44	1	10	3	96	0.00	0.0	2.905	0.006	0	0	0	2
PD.6300	PL.41202	A	40QA	7.33Y	122.2	0.00	2.84	1.44	4	10	3	96	0.00	0.0	2.905	0.006	0	0	0	2
PL.41203	PD.6300	A	#2 ACSR	7.33Y	122.2	0.00	2.84	1.44	1	10	3	96	0.00	0.0	2.923	0.018	10	3	2	2

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

Balanced Voltage Drop Report  
Source: Eberle

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----			
																KW	KVAR	Cons On	Cons Thru	
PL.40513	PL.40518	A	6 A (CWC)	7.33Y	122.2	0.00	2.81	0.41	0	3	1	95	0.00	0.0	2.831	0.008	0	0	0	1
PD.6332	PL.40513	A	40QA	7.33Y	122.2	0.00	2.81	0.41	1	3	1	95	0.00	0.0	2.831	0.008	0	0	0	1
PL.40514	PD.6332	A	6 A (CWC)	7.33Y	122.2	0.00	2.81	0.41	0	3	1	95	0.00	0.0	2.872	0.041	3	1	1	1
PL.41199	PL.41198	A	6 A (CWC)	7.34Y	122.3	0.00	2.67	3.34	2	24	7	96	0.00	0.0	2.574	0.006	0	0	0	4
PD.6359	PL.41199	A	40QA	7.34Y	122.3	0.00	2.67	3.34	8	24	7	96	0.00	0.0	2.574	0.006	0	0	0	4
PL.41200	PD.6359	A	6 A (CWC)	7.34Y	122.3	0.01	2.69	3.34	2	24	7	96	0.00	0.0	2.645	0.071	0	0	0	4
PL.41201	PL.41200	A	6 A (CWC)	7.34Y	122.3	0.00	2.69	3.34	2	24	7	96	0.00	0.0	2.689	0.044	17	5	2	4
PL.40962	PL.41201	A	6 A (CWC)	7.34Y	122.3	0.01	2.70	0.99	1	7	2	96	0.00	0.0	2.803	0.114	1	0	1	2
PL.40823	PL.40962	A	6 A (CWC)	7.34Y	122.3	0.00	2.70	0.92	1	6	2	95	0.00	0.0	2.877	0.074	6	2	1	1
PL.62192	PL.62190	C	#1/0 ACSR	7.36Y	122.7	0.00	2.28	16.67	7	118	35	96	0.00	0.0	1.869	0.008	0	0	0	20
PL.62208	PL.62192	C	#4 ACSR	7.36Y	122.7	0.00	2.28	16.67	13	118	35	96	0.00	0.0	1.872	0.003	0	0	0	20
PD.9288	PL.62208	C	50L	7.36Y	122.7	0.00	2.28	16.67	33	118	35	96	0.00	0.0	1.872	0.003	0	0	0	20
PL.62207	PD.9288	C	#4 ACSR	7.35Y	122.6	0.17	2.45	16.67	13	118	35	96	0.15	0.1	2.110	0.237	11	3	1	20
PL.62204	PL.62207	C	6 A (CWC)	7.35Y	122.5	0.06	2.51	15.18	11	107	32	96	0.05	0.0	2.201	0.092	9	3	1	19
PL.62206	PL.62204	C	6 A (CWC)	7.35Y	122.4	0.05	2.56	12.70	9	90	26	96	0.03	0.0	2.290	0.089	7	2	1	14
PL.41186	PL.62206	C	6 A (CWC)	7.34Y	122.4	0.03	2.59	11.73	8	83	24	96	0.02	0.0	2.349	0.059	0	0	0	13
PL.41185	PL.41186	C	6 A (CWC)	7.34Y	122.4	0.05	2.64	11.73	8	83	24	96	0.03	0.0	2.439	0.090	0	0	0	13
PL.41184	PL.41185	C	6 A (CWC)	7.34Y	122.3	0.02	2.66	11.73	8	83	24	96	0.01	0.0	2.474	0.035	0	0	0	13
PL.41183	PL.41184	C	6 A (CWC)	7.34Y	122.3	0.02	2.68	11.73	8	83	24	96	0.01	0.0	2.510	0.036	0	0	0	13
PL.41187	PL.41183	C	6 A (CWC)	7.34Y	122.3	0.03	2.71	11.73	8	83	24	96	0.02	0.0	2.571	0.061	17	5	2	13
PL.41188	PL.41187	C	6 A (CWC)	7.34Y	122.3	0.03	2.74	9.37	7	66	19	96	0.02	0.0	2.645	0.074	0	0	0	11
PL.41189	PL.41188	C	6 A (CWC)	7.33Y	122.2	0.03	2.77	9.37	7	66	19	96	0.01	0.0	2.708	0.062	6	2	1	11
PL.41190	PL.41189	C	6 A (CWC)	7.33Y	122.2	0.02	2.78	5.81	4	41	12	96	0.01	0.0	2.774	0.067	3	1	1	6
PL.41191	PL.41190	C	6 A (CWC)	7.33Y	122.2	0.01	2.80	5.45	4	38	11	96	0.00	0.0	2.841	0.066	14	4	2	5
PL.41192	PL.41191	C	6 A (CWC)	7.33Y	122.2	0.01	2.81	3.51	3	25	7	96	0.00	0.0	2.906	0.065	0	0	0	3
PL.60707	PL.41192	C	6 A (CWC)	7.33Y	122.2	0.01	2.82	3.51	3	25	7	96	0.00	0.0	2.982	0.076	13	4	2	3
PL.60708	PL.60707	C	6 A (CWC)	7.33Y	122.2	0.00	2.82	1.59	1	11	3	96	0.00	0.0	3.010	0.028	0	0	0	1
PL.60709	PL.60708	C	6 A (CWC)	7.33Y	122.2	0.00	2.82	1.59	1	11	3	96	0.00	0.0	3.066	0.056	11	3	1	1
PL.41193	PL.41189	C	6 A (CWC)	7.33Y	122.2	0.01	2.77	2.65	2	19	5	97	0.00	0.0	2.751	0.043	0	0	0	4
PL.41196	PL.41193	C	6 A (CWC)	7.33Y	122.2	0.00	2.77	0.35	0	2	1	89	0.00	0.0	2.837	0.086	0	0	0	1
PL.40706	PL.41196	C	6 A (CWC)	7.33Y	122.2	0.00	2.77	0.35	0	2	1	89	0.00	0.0	2.904	0.067	2	1	1	1

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Balanced Voltage Drop Report  
Source: Eberle

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.41197	PL.41196	C	6 A (CWC)	7.33Y	122.2	0.00	2.77	0.00	0	0	0	100	0.00	0.0	2.969	0.132	0	0	0	0
PL.40149	PL.41197	C	6 A (CWC)	7.33Y	122.2	0.00	2.77	0.00	0	0	0	100	0.00	0.0	3.022	0.052	0	0	0	0
PL.41194	PL.41193	C	6 A (CWC)	7.33Y	122.2	0.00	2.77	2.30	2	16	5	95	0.00	0.0	2.782	0.031	4	1	1	3
PL.41195	PL.41194	C	6 A (CWC)	7.33Y	122.2	0.00	2.77	1.71	1	12	4	95	0.00	0.0	2.811	0.029	12	4	2	2
PL.62205	PL.62204	C	6 A (CWC)	7.35Y	122.5	0.00	2.51	1.25	1	9	3	95	0.00	0.0	2.266	0.065	9	3	4	4
PL.40436	PL.40432	C	#1/0 ACSR	7.39Y	123.2	0.00	1.81	1.76	1	12	4	95	0.00	0.0	1.494	0.006	0	0	0	1
PD.6345	PL.40436	C	40QA	7.39Y	123.2	0.00	1.81	1.76	4	12	4	95	0.00	0.0	1.494	0.006	0	0	0	1
PL.40948	PD.6345	C	#1/0 ACSR	7.39Y	123.2	0.00	1.81	1.76	1	12	4	95	0.00	0.0	1.530	0.036	12	4	1	1
PL.40434	PL.40431	A	#1/0 ACSR	7.40Y	123.3	0.00	1.72	1.27	1	9	3	95	0.00	0.0	1.413	0.006	0	0	0	1
PD.6352	PL.40434	A	40QA	7.40Y	123.3	0.00	1.72	1.27	3	9	3	95	0.00	0.0	1.413	0.006	0	0	0	1
PL.40435	PD.6352	A	#1/0 ACSR	7.40Y	123.3	0.00	1.72	1.27	1	9	3	95	0.00	0.0	1.429	0.016	9	3	1	1
PL.40028	PL.40032	A	#4 ACSR	7.42Y	123.6	0.00	1.35	1.11	1	8	2	97	0.00	0.0	1.101	0.006	0	0	0	1
PD.6284	PL.40028	A	20QA	7.42Y	123.6	0.00	1.35	1.11	6	8	2	97	0.00	0.0	1.101	0.006	0	0	0	1
PL.40029	PD.6284	A	#4 ACSR	7.42Y	123.6	0.00	1.35	1.11	1	8	2	97	0.00	0.0	1.186	0.084	8	2	1	1
CP.76	PL.52519	ABC	Cap (300)	7.45Y	124.1	0.00	0.87	0.00	0	0	0	100	0.00	0.0	0.694	0.084	0	0	0	0
PL.40943	PL.40942	C	#1/0 ACSR	7.46Y	124.3	0.00	0.68	2.53	1	18	5	96	0.00	0.0	0.548	0.006	0	0	0	2
PD.6285	PL.40943	C	20QA	7.46Y	124.3	0.00	0.68	2.53	13	18	5	96	0.00	0.0	0.548	0.006	0	0	0	2
PL.40944	PD.6285	C	#1/0 ACSR	7.46Y	124.3	0.00	0.68	2.53	1	18	5	96	0.00	0.0	0.579	0.031	18	5	2	2
PL.64560	PL.64558	A	#1/0 ACSR	7.49Y	124.8	0.00	0.24	0.00	0	0	0	100	0.00	0.0	0.254	0.069	0	0	0	0
PL.52880	Eberle	ABC	336 MCM AC	7.50Y	125.0	0.01	0.01	146.23	28	3110	1073	95	0.16	0.0	0.009	0.009	0	0	0	439
PL.52881	PL.52880	ABC	336 MCM AC	7.50Y	125.0	0.02	0.03	146.23	28	3110	1073	95	0.36	0.0	0.029	0.020	0	0	0	439

----- Feeder No. 1 (Letterbox F1) Beginning with Device PD.7984 -----

PD.7984	PL.52881	ABC	480VWE	7.50Y	125.0	0.00	0.03	146.23	0	3110	1072	95	0.00	0.0	0.029	0.020	0	0	0	439
PL.39675	PD.7984	ABC	336 MCM AC	7.50Y	124.9	0.05	0.08	146.23	28	3110	1072	95	0.71	0.0	0.069	0.039	0	0	0	439
PL.39677	PL.39675	ABC	336 MCM AC	7.49Y	124.8	0.09	0.17	145.72	28	3098	1067	95	1.39	0.0	0.146	0.078	10	3	1	438
PL.39678	PL.39677	ABC	336 MCM AC	7.49Y	124.8	0.07	0.24	145.27	28	3087	1061	95	1.08	0.0	0.207	0.061	0	0	0	437
PL.52200	PL.39678	ABC	336 MCM AC	7.48Y	124.6	0.12	0.36	145.27	28	3086	1058	95	1.77	0.1	0.307	0.100	0	0	0	437
PL.57521	PL.52200	A	#2 ACSR	7.48Y	124.6	0.00	0.36	1.66	1	12	4	95	0.00	0.0	0.307	0.000	0	0	0	4
PD.8374	PL.57521	A	40QA	7.48Y	124.6	0.00	0.36	1.66	4	12	4	95	0.00	0.0	0.307	0.000	0	0	0	4

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Balanced Voltage Drop Report  
Source: Eberle

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.57522	PD.8374	A	#2 ACSR	7.48Y	124.6	0.00	0.36	1.66	1	12	4	95	0.00	0.0	0.308	0.001	0	0	0	4
PL.57525	PL.57522	A	#2 ACSR	7.48Y	124.6	0.00	0.36	1.12	1	8	2	97	0.00	0.0	0.360	0.053	0	0	0	3
PL.63382	PL.57525	A	#1/0 ACSR	7.48Y	124.6	0.00	0.36	0.39	0	3	1	95	0.00	0.0	0.380	0.020	3	1	1	1
PL.57524	PL.57525	A	#2 ACSR	7.48Y	124.6	0.00	0.36	0.73	0	5	2	93	0.00	0.0	0.434	0.073	0	0	0	2
PL.40368	PL.57524	A	#2 ACSR	7.48Y	124.6	0.00	0.36	0.73	0	5	2	93	0.00	0.0	0.496	0.062	5	2	2	2
PL.57523	PL.57522	A	#1/0 ACSR	7.48Y	124.6	0.00	0.36	0.55	0	4	1	97	0.00	0.0	0.339	0.031	4	1	1	1
PL.52201	PL.52200	ABC	336 MCM AC	7.45Y	124.2	0.40	0.76	144.72	28	3072	1051	95	6.17	0.2	0.657	0.350	0	0	0	433
PL.52202	PL.52201	ABC	336 MCM AC	7.45Y	124.1	0.11	0.86	144.72	28	3066	1036	95	1.62	0.1	0.749	0.092	0	0	0	433
PL.52203	PL.52202	ABC	336 MCM AC	7.45Y	124.1	0.05	0.91	144.72	28	3064	1032	95	0.71	0.0	0.789	0.040	0	0	0	433
PL.40369	PL.52203	C	#2 ACSR	7.45Y	124.1	0.00	0.91	1.41	1	10	3	96	0.00	0.0	0.795	0.006	0	0	0	1
PD.6320	PL.40369	C	40QA	7.45Y	124.1	0.00	0.91	1.41	4	10	3	96	0.00	0.0	0.795	0.006	0	0	0	1
PL.40395	PD.6320	C	#2 ACSR	7.45Y	124.1	0.00	0.91	1.41	1	10	3	96	0.00	0.0	0.837	0.042	0	0	0	1
PL.63076	PL.40395	C	#1/0 ACSR	7.45Y	124.1	0.00	0.91	1.41	1	10	3	96	0.00	0.0	0.869	0.032	10	3	1	1
PL.59238	PL.52203	ABC	336 MCM AC	7.44Y	124.0	0.07	0.98	144.25	28	3054	1028	95	1.06	0.0	0.850	0.061	11	3	3	432
PL.59241	PL.59238	ABC	336 MCM AC	7.43Y	123.9	0.12	1.09	143.34	28	3033	1020	95	1.75	0.1	0.951	0.102	7	2	1	428
PL.59242	PL.59241	ABC	336 MCM AC	7.43Y	123.8	0.10	1.19	143.02	28	3024	1014	95	1.46	0.0	1.036	0.085	11	3	1	427
PL.59239	PL.59242	ABC	336 MCM AC	7.42Y	123.6	0.21	1.40	142.51	27	3012	1007	95	3.12	0.1	1.218	0.182	0	0	0	426
PL.40271	PL.59239	C	6 A (CWC)	7.42Y	123.6	0.00	1.40	2.25	2	16	5	95	0.00	0.0	1.224	0.006	0	0	0	3
PD.6361	PL.40271	C	40QA	7.42Y	123.6	0.00	1.40	2.25	6	16	5	95	0.00	0.0	1.224	0.006	0	0	0	3
PL.40270	PD.6361	C	6 A (CWC)	7.42Y	123.6	0.00	1.40	2.25	2	16	5	95	0.00	0.0	1.265	0.041	10	3	2	3
PL.39032	PL.40270	C	6 A (CWC)	7.42Y	123.6	0.00	1.40	0.84	1	6	2	95	0.00	0.0	1.310	0.045	0	0	0	1
PL.53136	PL.39032	C	6 A (CWC)	7.42Y	123.6	0.00	1.40	0.84	1	6	2	95	0.00	0.0	1.466	0.157	6	2	1	1
PL.39033	PL.59239	ABC	336 MCM AC	7.41Y	123.4	0.16	1.55	141.77	27	2993	995	95	2.36	0.1	1.358	0.140	0	0	0	423
PL.38292	PL.39033	ABC	336 MCM AC	7.40Y	123.4	0.08	1.63	141.77	27	2991	989	95	1.20	0.0	1.429	0.071	0	0	0	423
PL.39124	PL.38292	ABC	336 MCM AC	7.40Y	123.3	0.06	1.70	141.24	27	2978	983	95	0.97	0.0	1.487	0.058	0	0	0	422
PL.53128	PL.39124	ABC	336 MCM AC	7.40Y	123.3	0.04	1.74	141.24	27	2977	981	95	0.65	0.0	1.526	0.039	0	0	0	422
PL.53129	PL.53128	ABC	336 MCM AC	7.39Y	123.2	0.06	1.80	141.24	27	2977	980	95	0.96	0.0	1.583	0.057	0	0	1	422
PL.53125	PL.53129	A	6 A (CWC)	7.39Y	123.2	0.00	1.80	6.54	5	46	14	96	0.00	0.0	1.589	0.006	0	0	0	6
PD.6369	PL.53125	A	40QA	7.39Y	123.2	0.00	1.80	6.54	16	46	14	96	0.00	0.0	1.589	0.006	0	0	0	6
PL.40273	PD.6369	A	6 A (CWC)	7.39Y	123.1	0.09	1.90	6.54	5	46	14	96	0.03	0.1	1.902	0.313	0	0	0	6
PL.40579	PL.40273	A	6 A (CWC)	7.39Y	123.1	0.00	1.90	1.32	1	9	3	95	0.00	0.0	2.053	0.151	9	3	1	1

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Balanced Voltage Drop Report  
Source: Eberle

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.40274	PL.40273	A	6 A (CWC)	7.39Y	123.1	0.01	1.91	5.23	4	37	11	96	0.00	0.0	1.966	0.064	3	1	1	5
PL.40275	PL.40274	A	6 A (CWC)	7.38Y	123.1	0.01	1.92	4.86	3	34	10	96	0.00	0.0	2.014	0.048	15	5	2	4
PL.40276	PL.40275	A	6 A (CWC)	7.38Y	123.1	0.01	1.93	2.69	2	19	6	95	0.00	0.0	2.068	0.053	0	0	0	2
PL.40560	PL.40276	A	#4 ACSR	7.38Y	123.1	0.00	1.93	1.18	1	8	2	97	0.00	0.0	2.133	0.065	8	2	1	1
PL.40277	PL.40276	A	6 A (CWC)	7.38Y	123.1	0.00	1.93	1.50	1	11	3	96	0.00	0.0	2.176	0.109	11	3	1	1
PL.53127	PL.53129	ABC	336 MCM AC	7.38Y	123.0	0.19	1.99	137.30	26	2892	953	95	2.74	0.1	1.755	0.172	0	0	0	405
PL.40278	PL.53127	ABC	336 MCM AC	7.38Y	122.9	0.09	2.08	136.98	26	2882	944	95	1.37	0.0	1.842	0.087	15	4	1	403
PL.40281	PL.40278	A	#1/0 ACSR	7.38Y	122.9	0.00	2.08	0.98	0	7	2	96	0.00	0.0	1.848	0.006	0	0	0	1
PD.6333	PL.40281	A	40QA	7.38Y	122.9	0.00	2.08	0.98	2	7	2	96	0.00	0.0	1.848	0.006	0	0	0	1
PL.40282	PD.6333	A	#1/0 ACSR	7.38Y	122.9	0.00	2.08	0.98	0	7	2	96	0.00	0.0	1.886	0.038	7	2	1	1
PL.63359	PL.40278	ABC	336 MCM AC	7.37Y	122.9	0.05	2.13	135.94	26	2859	935	95	0.66	0.0	1.885	0.043	0	0	0	401
PL.63360	PL.63359	ABC	336 MCM AC	7.37Y	122.8	0.08	2.20	135.39	26	2847	930	95	1.13	0.0	1.958	0.073	0	0	0	400
PL.40604	PL.63360	ABC	336 MCM AC	7.36Y	122.7	0.14	2.35	135.39	26	2845	927	95	2.11	0.1	2.094	0.136	0	0	0	400
PL.40632	PL.40604	ABC	336 MCM AC	7.35Y	122.5	0.12	2.47	135.39	26	2843	922	95	1.72	0.1	2.206	0.111	0	0	0	400
PL.60835	PL.40632	A	#1/0 ACSR	7.35Y	122.5	0.00	2.47	1.22	1	9	3	95	0.00	0.0	2.238	0.032	9	3	1	1
PL.40635	PL.40632	ABC	336 MCM AC	7.34Y	122.4	0.14	2.61	133.70	26	2806	907	95	2.06	0.1	2.343	0.137	0	0	0	397
PL.40636	PL.40635	ABC	336 MCM AC	7.34Y	122.3	0.07	2.68	133.70	26	2804	903	95	0.99	0.0	2.408	0.066	0	0	0	397
PL.40637	PL.40636	ABC	336 MCM AC	7.34Y	122.3	0.05	2.72	133.70	26	2803	900	95	0.68	0.0	2.454	0.045	20	6	2	397
PL.40182	PL.40637	ABC	336 MCM AC	7.33Y	122.2	0.07	2.80	132.73	26	2782	893	95	1.07	0.0	2.526	0.072	17	5	2	395
PL.40183	PL.40182	ABC	336 MCM AC	7.33Y	122.1	0.07	2.87	131.94	25	2764	885	95	1.06	0.0	2.598	0.072	0	0	0	393
PL.40824	PL.40183	ABC	336 MCM AC	7.33Y	122.1	0.04	2.91	131.94	25	2763	883	95	0.53	0.0	2.634	0.036	0	0	0	393
PL.40184	PL.40824	ABC	336 MCM AC	7.32Y	122.0	0.04	2.95	131.94	25	2762	882	95	0.60	0.0	2.675	0.041	9	3	1	393
PL.40185	PL.40184	ABC	336 MCM AC	7.32Y	122.0	0.06	3.01	131.52	25	2753	878	95	0.85	0.0	2.733	0.059	10	3	2	392
PL.52204	PL.40185	ABC	336 MCM AC	7.31Y	121.8	0.18	3.19	131.05	25	2742	873	95	2.50	0.1	2.907	0.173	0	0	0	390
PL.52207	PL.52204	ABC	336 MCM AC	7.30Y	121.7	0.08	3.27	131.05	25	2740	867	95	1.11	0.0	2.983	0.077	0	0	0	390
PL.52236	PL.52207	ABC	336 MCM AC	7.30Y	121.6	0.11	3.37	130.82	25	2734	863	95	1.55	0.1	3.091	0.107	0	0	0	389
PL.52237	PL.52236	ABC	336 MCM AC	7.29Y	121.5	0.08	3.45	130.82	25	2732	859	95	1.09	0.0	3.166	0.075	0	0	0	389
PL.52206	PL.52237	ABC	336 MCM AC	7.29Y	121.5	0.06	3.51	130.26	25	2719	853	95	0.90	0.0	3.229	0.063	0	0	0	388
PL.52805	PL.52206	ABC	336 MCM AC	7.29Y	121.4	0.04	3.55	130.26	25	2718	851	95	0.50	0.0	3.264	0.035	0	0	0	388
PL.52807	PL.52805	ABC	336 MCM AC	7.28Y	121.3	0.17	3.72	124.36	24	2594	813	95	2.36	0.1	3.445	0.181	0	0	0	364
PL.39659	PL.52807	ABC	336 MCM AC	7.27Y	121.2	0.04	3.76	124.36	24	2592	808	95	0.49	0.0	3.483	0.037	0	0	0	364

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.56531	PL.39659	A	#2 ACSR	7.27Y	121.2	0.00	3.76	2.18	1	15	4	97	0.00	0.0	3.521	0.038	15	4	3	3
PL.40003	PL.39659	ABC	336 MCM AC	7.27Y	121.2	0.06	3.82	123.63	24	2576	802	95	0.84	0.0	3.548	0.065	0	0	0	361
PL.59204	PL.40003	ABC	336 MCM AC	7.27Y	121.2	0.03	3.85	123.63	24	2575	800	95	0.37	0.0	3.576	0.029	2	1	1	361
PL.59205	PL.59204	ABC	336 MCM AC	7.27Y	121.1	0.02	3.87	123.54	24	2573	799	96	0.33	0.0	3.602	0.026	0	0	0	360
PL.59207	PL.59205	C	#1/0 ACSR	7.27Y	121.1	0.03	3.91	44.23	19	308	92	96	0.06	0.0	3.633	0.031	19	6	3	45
PL.60669	PL.59207	C	6 A (CWC)	7.26Y	121.0	0.12	4.02	41.52	30	289	86	96	0.26	0.1	3.696	0.062	0	0	0	42
PL.60672	PL.60669	C	#1/0 ACSR	7.26Y	121.0	0.00	4.03	1.23	1	9	3	95	0.00	0.0	3.727	0.031	9	3	1	1
PL.60670	PL.60669	C	6 A (CWC)	7.26Y	121.0	0.02	4.05	40.29	29	280	84	96	0.04	0.0	3.707	0.011	0	0	0	41
PL.60671	PL.60670	C	6 A (CWC)	7.26Y	120.9	0.01	4.06	40.29	29	280	84	96	0.02	0.0	3.713	0.006	0	0	0	41
C PD.6379	PL.60671	C	50L	7.26Y	120.9	0.00	4.06	40.29	81	280	84	96	0.00	0.0	3.713	0.006	0	0	0	41 C
PL.40004	PD.6379	C	6 A (CWC)	7.25Y	120.8	0.17	4.22	40.29	29	280	84	96	0.34	0.1	3.806	0.093	22	7	3	41
PL.63385	PL.40004	C	#1/0 ACSR	7.25Y	120.8	0.00	4.22	0.00	0	0	0	100	0.00	0.0	3.853	0.047	0	0	0	0
PL.40005	PL.40004	C	6 A (CWC)	7.24Y	120.6	0.19	4.41	37.07	26	257	77	96	0.36	0.1	3.914	0.109	0	0	0	38
PL.40158	PL.40005	C	6 A (CWC)	7.23Y	120.4	0.17	4.57	37.07	26	257	77	96	0.33	0.1	4.012	0.098	0	0	0	38
PL.40159	PL.40158	C	6 A (CWC)	7.22Y	120.3	0.18	4.75	37.07	26	257	76	96	0.34	0.1	4.115	0.103	0	0	0	38
PL.40303	PL.40159	C	6 A (CWC)	7.21Y	120.2	0.00	4.75	1.53	1	11	3	96	0.00	0.0	4.174	0.059	11	3	1	1
PL.40160	PL.40159	C	6 A (CWC)	7.21Y	120.1	0.13	4.88	35.55	25	246	73	96	0.24	0.1	4.195	0.080	0	0	0	37
PL.40721	PL.40160	C	#4 ACSR	7.21Y	120.1	0.00	4.88	0.00	0	0	0	100	0.00	0.0	4.255	0.060	0	0	0	0
PL.40161	PL.40160	C	6 A (CWC)	7.20Y	120.0	0.12	5.00	35.55	25	246	73	96	0.22	0.1	4.266	0.071	0	0	0	37
PL.40693	PL.40161	C	#4 ACSR	7.20Y	120.0	0.00	5.00	0.48	0	3	1	95	0.00	0.0	4.307	0.041	3	1	1	1
PL.40162	PL.40161	C	6 A (CWC)	7.19Y	119.8	0.18	5.18	35.07	25	242	72	96	0.33	0.1	4.382	0.116	10	3	1	36
PL.59202	PL.40162	C	6 A (CWC)	7.18Y	119.7	0.14	5.32	32.39	23	223	66	96	0.24	0.1	4.479	0.097	9	3	1	33
PL.59203	PL.59202	C	6 A (CWC)	7.16Y	119.4	0.30	5.62	31.11	22	214	63	96	0.50	0.2	4.691	0.211	0	0	0	32
PL.40643	PL.59203	C	6 A (CWC)	7.15Y	119.2	0.19	5.81	22.49	16	155	46	96	0.22	0.1	4.877	0.186	9	3	3	26
PL.40645	PL.40643	C	#4 ACSR	7.15Y	119.2	0.01	5.82	3.41	3	23	7	96	0.00	0.0	4.933	0.056	10	3	2	3
PL.40646	PL.40645	C	#4 ACSR	7.15Y	119.2	0.00	5.82	1.96	2	13	4	96	0.00	0.0	4.966	0.032	13	4	1	1
PL.40644	PL.40643	C	6 A (CWC)	7.15Y	119.1	0.07	5.88	17.77	13	122	36	96	0.07	0.1	4.965	0.088	0	0	0	20
PL.40647	PL.40644	C	6 A (CWC)	7.15Y	119.1	0.03	5.92	7.04	5	48	14	96	0.01	0.0	5.084	0.119	13	4	2	5
PL.40648	PL.40647	C	6 A (CWC)	7.14Y	119.1	0.03	5.94	5.08	4	35	10	96	0.01	0.0	5.243	0.158	22	6	1	3
PL.40649	PL.40648	C	6 A (CWC)	7.14Y	119.1	0.00	5.94	1.88	1	13	4	96	0.00	0.0	5.304	0.062	13	4	1	2
PL.40650	PL.40649	C	6 A (CWC)	7.14Y	119.1	0.00	5.94	0.03	0	0	0	100	0.00	0.0	5.543	0.239	0	0	0	1

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Case: 2009 Existing Conditions

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
-----																				
PL.40651	PL.40650	C	6 A (CWC)	7.14Y	119.1	0.00	5.94	0.00	0	0	0	100	0.00	0.0	5.692	0.149	0	0	0	0
PL.40716	PL.40650	C	#1/0 ACSR	7.14Y	119.1	0.00	5.94	0.03	0	0	0	100	0.00	0.0	5.614	0.070	0	0	1	1
PL.40652	PL.40644	C	6 A (CWC)	7.14Y	119.1	0.04	5.92	10.73	8	74	22	96	0.02	0.0	5.048	0.083	0	0	0	15
PL.40653	PL.40652	C	6 A (CWC)	7.14Y	119.1	0.01	5.94	9.19	7	63	19	96	0.01	0.0	5.081	0.033	14	4	4	14
PL.40654	PL.40653	C	6 A (CWC)	7.14Y	119.0	0.02	5.95	7.13	5	49	14	96	0.01	0.0	5.136	0.055	0	0	0	10
PL.40655	PL.40654	C	6 A (CWC)	7.14Y	119.0	0.03	5.98	7.13	5	49	14	96	0.01	0.0	5.216	0.080	0	0	0	10
PL.40656	PL.40655	C	6 A (CWC)	7.14Y	119.0	0.01	5.99	4.94	4	34	10	96	0.00	0.0	5.294	0.077	14	4	2	8
PL.40657	PL.40656	C	6 A (CWC)	7.14Y	119.0	0.01	6.00	2.95	2	20	6	96	0.00	0.0	5.350	0.056	0	0	1	6
PL.40658	PL.40657	C	6 A (CWC)	7.14Y	119.0	0.01	6.01	2.92	2	20	6	96	0.00	0.0	5.397	0.047	0	0	0	5
PL.40659	PL.40658	C	6 A (CWC)	7.14Y	119.0	0.00	6.01	1.54	1	11	3	96	0.00	0.0	5.466	0.069	0	0	0	4
PL.40660	PL.40659	C	6 A (CWC)	7.14Y	119.0	0.00	6.01	0.07	0	0	0	100	0.00	0.0	5.644	0.178	0	0	1	2
PL.40750	PL.40660	C	6 A (CWC)	7.14Y	119.0	0.00	6.01	0.07	0	0	0	100	0.00	0.0	5.677	0.033	0	0	1	1
PL.40661	PL.40660	C	6 A (CWC)	7.14Y	119.0	0.00	6.01	0.00	0	0	0	100	0.00	0.0	5.686	0.042	0	0	0	0
PL.40572	PL.40661	C	6 A (CWC)	7.14Y	119.0	0.00	6.01	0.00	0	0	0	100	0.00	0.0	6.077	0.392	0	0	0	0
PL.40296	PL.40572	C	6 A (CWC)	7.14Y	119.0	0.00	6.01	0.00	0	0	0	100	0.00	0.0	6.181	0.103	0	0	0	0
PL.59214	PL.40572	C	6 A (CWC)	7.14Y	119.0	0.00	6.01	0.00	0	0	0	100	0.00	0.0	6.293	0.216	0	0	0	0
PL.40662	PL.40661	C	#4 ACSR	7.14Y	119.0	0.00	6.01	0.00	0	0	0	100	0.00	0.0	5.853	0.167	0	0	0	0
PL.40663	PL.40662	C	#4 ACSR	7.14Y	119.0	0.00	6.01	0.00	0	0	0	100	0.00	0.0	6.011	0.158	0	0	0	0
PL.40290	PL.40659	C	6 A (CWC)	7.14Y	119.0	0.00	6.01	0.76	1	5	2	93	0.00	0.0	5.499	0.033	5	2	1	1
PL.40753	PL.40659	C	#2 ACSR	7.14Y	119.0	0.00	6.01	0.71	0	5	1	98	0.00	0.0	5.562	0.096	5	1	1	1
PL.40698	PL.40658	C	#4 ACSR	7.14Y	119.0	0.00	6.01	1.38	1	9	3	95	0.00	0.0	5.457	0.060	9	3	1	1
PL.40563	PL.40655	C	#2 ACSR	7.14Y	119.0	0.00	5.98	2.19	1	15	4	97	0.00	0.0	5.252	0.036	15	4	2	2
PL.40699	PL.40652	C	#2 ACSR	7.14Y	119.1	0.00	5.92	1.54	1	11	3	96	0.00	0.0	5.080	0.032	11	3	1	1
PL.40640	PL.59203	C	6 A (CWC)	7.16Y	119.3	0.04	5.66	8.62	6	59	17	96	0.01	0.0	4.794	0.103	15	4	1	6
PL.40641	PL.40640	C	6 A (CWC)	7.16Y	119.3	0.02	5.68	6.42	5	44	13	96	0.01	0.0	4.868	0.075	0	0	0	5
PL.40642	PL.40641	C	6 A (CWC)	7.16Y	119.3	0.00	5.68	1.67	1	11	3	96	0.00	0.0	4.913	0.045	11	3	2	2
PL.40137	PL.40641	C	#2 ACSR	7.16Y	119.3	0.00	5.68	1.55	1	11	3	96	0.00	0.0	4.915	0.046	11	3	1	1
PL.63375	PL.40641	C	6 A (CWC)	7.16Y	119.3	0.02	5.70	3.20	2	22	6	96	0.00	0.0	4.998	0.129	0	0	0	2
PL.63377	PL.63375	C	#1/0 ACSR	7.16Y	119.3	0.00	5.70	2.05	1	14	4	96	0.00	0.0	5.032	0.035	0	0	0	1
PL.63378	PL.63377	C	#1/0 ACSR	7.16Y	119.3	0.00	5.70	2.05	1	14	4	96	0.00	0.0	5.054	0.022	14	4	1	1
PL.63376	PL.63375	C	6 A (CWC)	7.16Y	119.3	0.00	5.70	1.16	1	8	2	97	0.00	0.0	5.011	0.013	8	2	1	1
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Balanced Voltage Drop Report  
Source: Eberle

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.40708	PL.40162	C	6 A (CWC)	7.19Y	119.8	0.00	5.18	1.17	1	8	2	97	0.00	0.0	4.450	0.069	0	0	0	2
PL.40752	PL.40708	C	#4 ACSR	7.19Y	119.8	0.00	5.18	1.17	1	8	2	97	0.00	0.0	4.511	0.061	8	2	2	2
PL.59206	PL.59205	ABC	336 MCM AC	7.27Y	121.1	0.02	3.89	108.80	21	2265	706	95	0.20	0.0	3.622	0.020	1	0	1	315
PL.40639	PL.59206	ABC	336 MCM AC	7.26Y	121.1	0.03	3.92	108.77	21	2264	706	95	0.34	0.0	3.656	0.034	0	0	0	314
PL.39660	PL.40639	ABC	#2 ACSR	7.26Y	121.1	0.00	3.92	0.31	0	6	2	95	0.00	0.0	3.678	0.022	6	2	1	1
PL.40690	PL.40639	ABC	#2 ACSR	7.26Y	121.0	0.06	3.98	91.28	52	1898	596	95	0.95	0.0	3.683	0.028	0	0	0	260
PL.40291	PL.40690	ABC	336 MCM AC	7.26Y	121.0	0.05	4.03	91.28	18	1897	595	95	0.50	0.0	3.754	0.071	0	0	0	260
PL.40294	PL.40291	ABC	336 MCM AC	7.26Y	121.0	0.00	4.04	90.99	18	1891	592	95	0.04	0.0	3.760	0.006	0	0	0	256
C PD.6380	PL.40294	ABC	70L	7.26Y	121.0	0.00	4.04	90.99	130	1891	592	95	0.00	0.0	3.760	0.006	0	0	0	256 C
PL.52238	PD.6380	ABC	336 MCM AC	7.25Y	120.9	0.09	4.13	90.99	18	1891	592	95	0.87	0.0	3.885	0.125	0	0	0	256
PL.52239	PL.52238	ABC	336 MCM AC	7.25Y	120.8	0.08	4.20	90.99	18	1890	590	95	0.76	0.0	3.994	0.109	0	0	0	256
PL.40344	PL.52239	ABC	336 MCM AC	7.24Y	120.7	0.11	4.31	90.99	18	1889	588	95	1.11	0.1	4.154	0.160	19	6	2	256
PL.40141	PL.40344	ABC	336 MCM AC	7.24Y	120.6	0.07	4.39	90.09	17	1869	580	96	0.71	0.0	4.258	0.103	0	0	0	254
PL.39664	PL.40141	A	#1/0 ACSR	7.24Y	120.6	0.00	4.39	0.00	0	0	0	100	0.00	0.0	4.305	0.047	0	0	0	0
PL.40142	PL.40141	ABC	336 MCM AC	7.23Y	120.6	0.04	4.42	90.09	17	1868	579	96	0.35	0.0	4.310	0.052	24	7	5	254
PL.60644	PL.40142	ABC	336 MCM AC	7.23Y	120.5	0.07	4.49	88.91	17	1844	571	96	0.70	0.0	4.416	0.106	2	1	1	249
PL.60645	PL.60644	ABC	336 MCM AC	7.23Y	120.5	0.03	4.52	88.81	17	1841	568	96	0.28	0.0	4.459	0.042	0	0	0	248
PL.63336	PL.60645	ABC	336 MCM AC	7.22Y	120.4	0.07	4.60	88.81	17	1840	568	96	0.71	0.0	4.567	0.108	9	3	1	248
PL.63337	PL.63336	ABC	336 MCM AC	7.22Y	120.4	0.03	4.62	88.36	17	1830	563	96	0.27	0.0	4.607	0.041	0	0	0	247
PL.59655	PL.63337	ABC	336 MCM AC	7.22Y	120.3	0.12	4.74	87.93	17	1821	560	96	1.12	0.1	4.780	0.173	0	0	0	246
PL.59654	PL.59655	A	#2 ACSR	7.22Y	120.3	0.00	4.74	0.00	0	0	0	100	0.00	0.0	4.840	0.060	0	0	0	0
PL.59657	PL.59655	ABC	336 MCM AC	7.21Y	120.2	0.07	4.81	87.38	17	1809	554	96	0.69	0.0	4.887	0.107	0	0	0	244
PL.59665	PL.59657	C	6 A (CWC)	7.21Y	120.2	0.00	4.82	3.02	2	21	6	96	0.00	0.0	4.938	0.051	13	4	1	4
PL.59667	PL.59665	C	6 A (CWC)	7.21Y	120.2	0.00	4.82	1.07	1	7	2	96	0.00	0.0	5.016	0.077	0	0	0	3
PD.8824	PL.59667	C	30T	7.21Y	120.2	0.00	4.82	1.07	0	7	2	96	0.00	0.0	5.016	0.077	0	0	0	3
PL.59668	PD.8824	C	6 A (CWC)	7.21Y	120.2	0.00	4.83	1.07	1	7	2	96	0.00	0.0	5.085	0.069	0	0	0	3
PL.59666	PL.59668	C	6 A (CWC)	7.21Y	120.2	0.02	4.84	1.07	1	7	2	96	0.00	0.0	5.566	0.481	4	1	1	3
PL.40456	PL.59666	C	6 A (CWC)	7.21Y	120.2	0.01	4.85	0.47	0	3	1	95	0.00	0.0	5.802	0.236	0	0	0	2
PL.40457	PL.40456	C	6 A (CWC)	7.21Y	120.2	0.00	4.85	0.23	0	2	0	100	0.00	0.0	5.949	0.146	0	0	0	1
PL.40177	PL.40457	C	6 A (CWC)	7.21Y	120.2	0.00	4.85	0.00	0	0	0	100	0.00	0.0	5.988	0.039	0	0	0	0
PL.40458	PL.40457	C	6 A (CWC)	7.21Y	120.1	0.00	4.85	0.23	0	2	0	100	0.00	0.0	6.084	0.136	0	0	0	1

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.40744	PL.40458	C	#1/0 ACSR	7.21Y	120.1	0.00	4.85	0.23	0	2	0	100	0.00	0.0	6.128	0.043	2	0	1	1
PL.40941	PL.40458	C	6 A (CWC)	7.21Y	120.1	0.00	4.85	0.00	0	0	0	100	0.00	0.0	6.173	0.089	0	0	0	0
PL.40289	PL.40456	C	6 A (CWC)	7.21Y	120.2	0.00	4.85	0.24	0	2	0	100	0.00	0.0	5.829	0.026	2	0	1	1
PL.59725	PL.59657	C	#1/0 ACSR	7.21Y	120.2	0.00	4.81	1.17	1	8	2	97	0.00	0.0	4.893	0.006	0	0	0	2
PD.6329	PL.59725	C	40QA	7.21Y	120.2	0.00	4.81	1.17	3	8	2	97	0.00	0.0	4.893	0.006	0	0	0	2
PL.40455	PD.6329	C	#1/0 ACSR	7.21Y	120.2	0.00	4.81	1.17	1	8	2	97	0.00	0.0	4.918	0.025	8	2	2	2
PL.59621	PL.59657	ABC	336 MCM AC	7.21Y	120.1	0.04	4.86	85.99	17	1779	544	96	0.42	0.0	4.955	0.068	0	0	0	238
PD.8814-A	PL.59621	ABC	Closed	7.21Y	120.1	0.00	4.86	85.99	0	1778	543	96	0.00	0.0	4.955	0.068	0	0	0	238
PD.8814-B	PD.8814-A	ABC	Closed	7.21Y	120.1	0.00	4.86	85.99	0	1778	543	96	0.00	0.0	4.955	0.068	0	0	0	238
PL.59622	PD.8814-B	ABC	336 MCM AC	7.21Y	120.1	0.00	4.86	85.99	17	1778	543	96	0.02	0.0	4.958	0.003	0	0	0	238
PL.59728	PL.59622	ABC	336 MCM AC	7.21Y	120.1	0.00	4.86	11.98	2	248	74	96	0.00	0.0	4.961	0.003	0	0	0	37
PD.8813-A	PL.59728	ABC	Closed	7.21Y	120.1	0.00	4.86	11.98	0	248	74	96	0.00	0.0	4.961	0.003	0	0	0	37
PD.8813-B	PD.8813-A	ABC	Closed	7.21Y	120.1	0.00	4.86	11.98	0	248	74	96	0.00	0.0	4.961	0.003	0	0	0	37
PL.59653	PD.8813-B	ABC	336 MCM AC	7.21Y	120.1	0.00	4.86	11.98	2	248	74	96	0.00	0.0	5.003	0.042	19	6	4	37
PL.59637	PL.59653	ABC	336 MCM AC	7.21Y	120.1	0.01	4.87	11.04	2	229	68	96	0.01	0.0	5.062	0.060	0	0	0	33
PL.59636	PL.59637	ABC	336 MCM AC	7.20Y	120.1	0.07	4.94	10.43	2	216	64	96	0.08	0.0	5.988	0.926	0	0	0	32
PL.59626	PL.59636	ABC	336 MCM AC	7.20Y	120.0	0.03	4.97	10.43	2	216	64	96	0.04	0.0	6.388	0.400	0	0	0	32
PL.59632	PL.59626	ABC	#3/0 ACSR	7.20Y	120.0	0.00	4.97	0.00	0	0	0	100	0.00	0.0	6.585	0.197	0	0	0	0
PD.10592-A	PL.59632	ABC	Open	7.20Y	120.0	0.00	4.97	0.00	0	0	0	100	0.00	0.0	6.585	0.197	0	0	0	0
PL.59625	PL.59626	A	#2 ACSR	7.20Y	120.0	0.01	4.98	30.10	17	208	61	96	0.01	0.0	6.394	0.006	0	0	0	31
PD.6179	PL.59625	A	25T	7.20Y	120.0	0.00	4.98	30.10	0	208	61	96	0.00	0.0	6.394	0.006	0	0	0	31
PL.40053	PD.6179	A	#2 ACSR	7.20Y	120.0	0.03	5.01	30.10	17	208	61	96	0.04	0.0	6.423	0.029	8	2	1	31
PL.40056	PL.40053	A	#2 ACSR	7.19Y	119.9	0.11	5.12	26.86	15	185	55	96	0.15	0.1	6.561	0.138	19	6	1	27
PL.58913	PL.40056	A	#2 ACSR	7.19Y	119.8	0.13	5.24	24.12	14	166	49	96	0.15	0.1	6.726	0.164	1	0	1	26
PL.58912	PL.58913	A	#2 ACSR	7.19Y	119.8	0.00	5.25	3.01	2	21	6	96	0.00	0.0	6.783	0.057	21	6	5	5
PL.58914	PL.58913	A	#2 ACSR	7.18Y	119.7	0.06	5.30	19.33	11	133	39	96	0.06	0.0	6.827	0.101	15	4	3	19
PL.63080	PL.58914	A	#2 ACSR	7.18Y	119.7	0.02	5.32	17.16	10	118	35	96	0.02	0.0	6.868	0.041	0	0	0	16
PL.63082	PL.63080	A	#1/0 ACSR	7.18Y	119.7	0.00	5.32	1.13	0	8	2	97	0.00	0.0	6.887	0.019	0	0	0	1
PL.63083	PL.63082	A	#1/0 ACSR	7.18Y	119.7	0.00	5.32	1.13	0	8	2	97	0.00	0.0	6.926	0.039	8	2	1	1
PL.63081	PL.63080	A	#2 ACSR	7.18Y	119.6	0.04	5.37	16.03	9	110	33	96	0.03	0.0	6.954	0.086	12	3	1	15
PL.40057	PL.63081	A	#2 ACSR	7.18Y	119.6	0.03	5.39	14.32	8	99	29	96	0.02	0.0	7.017	0.063	8	2	3	14

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.40058	PL.40057	A	#2 ACSR	7.17Y	119.6	0.03	5.42	13.12	7	90	27	96	0.02	0.0	7.090	0.073	0	0	0	11
PL.40059	PL.40058	A	#2 ACSR	7.17Y	119.5	0.03	5.45	13.12	7	90	27	96	0.02	0.0	7.166	0.076	17	5	1	11
PL.40060	PL.40059	A	#2 ACSR	7.17Y	119.5	0.04	5.49	10.65	6	73	22	96	0.02	0.0	7.301	0.135	8	2	1	10
PL.39473	PL.40060	A	#2 ACSR	7.17Y	119.5	0.01	5.50	5.19	3	36	11	96	0.00	0.0	7.338	0.037	0	0	0	3
PL.39516	PL.39473	A	#2 ACSR	7.17Y	119.5	0.03	5.53	5.19	3	36	11	96	0.01	0.0	7.510	0.172	0	0	0	3
PL.39067	PL.39516	A	#4 ACSR	7.17Y	119.5	0.01	5.53	4.08	3	28	8	96	0.00	0.0	7.566	0.056	28	8	1	1
PL.58910	PL.39516	A	6 A (CWC)	7.17Y	119.5	0.00	5.53	0.00	0	0	0	100	0.00	0.0	7.514	0.004	0	0	0	0
PL.38620	PL.39516	A	#2 ACSR	7.17Y	119.5	0.00	5.53	1.12	1	8	2	97	0.00	0.0	7.534	0.024	8	2	2	2
PL.58786	PL.40060	A	#4 ACSR	7.17Y	119.5	0.05	5.54	4.31	3	30	9	96	0.01	0.0	7.559	0.258	4	1	1	6
PL.58788	PL.58786	A	#4 ACSR	7.17Y	119.5	0.01	5.55	3.10	2	21	6	96	0.00	0.0	7.599	0.040	0	0	0	4
PL.58790	PL.58788	A	#1/0 ACSR	7.17Y	119.5	0.00	5.55	0.00	0	0	0	100	0.00	0.0	7.626	0.028	0	0	1	1
PL.58789	PL.58788	A	#4 ACSR	7.17Y	119.4	0.00	5.55	3.10	2	21	6	96	0.00	0.0	7.644	0.045	11	3	1	3
PL.58787	PL.58789	A	#4 ACSR	7.17Y	119.4	0.00	5.55	1.54	1	11	3	96	0.00	0.0	7.695	0.051	1	0	1	2
PL.40061	PL.58787	A	#4 ACSR	7.17Y	119.4	0.00	5.56	1.47	1	10	3	96	0.00	0.0	7.747	0.052	10	3	1	1
PL.58785	PL.58786	A	#2 ACSR	7.17Y	119.5	0.00	5.54	0.63	0	4	1	97	0.00	0.0	7.602	0.043	4	1	1	1
PL.58911	PL.58913	A	#2 ACSR	7.19Y	119.8	0.00	5.25	1.60	1	11	3	96	0.00	0.0	6.826	0.100	11	3	1	1
PL.40054	PL.40053	A	#2 ACSR	7.20Y	120.0	0.00	5.01	2.01	1	14	4	96	0.00	0.0	6.492	0.070	5	1	2	3
PL.40055	PL.40054	A	#2 ACSR	7.20Y	120.0	0.00	5.01	1.36	1	9	3	95	0.00	0.0	6.581	0.088	9	3	1	1
PL.59624	PL.59624	A	#4 ACSR	7.20Y	120.0	0.00	4.97	1.21	1	8	2	97	0.00	0.0	6.394	0.006	0	0	0	1
PD.5928	PL.59624	A	40QA	7.20Y	120.0	0.00	4.97	1.21	3	8	2	97	0.00	0.0	6.394	0.006	0	0	0	1
PL.40052	PD.5928	A	#4 ACSR	7.20Y	120.0	0.00	4.97	1.21	1	8	2	97	0.00	0.0	6.421	0.027	8	2	1	1
PL.59635	PL.59637	C	#2 ACSR	7.21Y	120.1	0.00	4.87	1.82	1	13	4	96	0.00	0.0	5.087	0.025	13	4	1	1
PL.59726	PL.59622	ABC	336 MCM AC	7.21Y	120.1	0.00	4.86	74.01	14	1530	469	96	0.01	0.0	4.961	0.003	0	0	0	201
PD.8812-A	PL.59726	ABC	Closed	7.21Y	120.1	0.00	4.86	74.01	0	1530	469	96	0.00	0.0	4.961	0.003	0	0	0	201
PD.8812-B	PD.8812-A	ABC	Closed	7.21Y	120.1	0.00	4.86	74.01	0	1530	469	96	0.00	0.0	4.961	0.003	0	0	0	201
PL.59727	PD.8812-B	ABC	336 MCM AC	7.20Y	120.0	0.12	4.98	74.01	14	1530	469	96	0.96	0.1	5.169	0.208	0	0	0	201
PL.59724	PL.59727	ABC	336 MCM AC	7.20Y	120.0	0.03	5.01	74.01	14	1529	467	96	0.26	0.0	5.226	0.057	0	0	1	201
PL.56478	PL.59724	ABC	336 MCM AC	7.20Y	119.9	0.04	5.05	74.01	14	1529	466	96	0.33	0.0	5.298	0.072	17	5	2	200
PL.56480	PL.56478	ABC	336 MCM AC	7.19Y	119.9	0.03	5.09	72.77	14	1503	458	96	0.27	0.0	5.359	0.061	0	0	0	197
PL.38534	PL.56480	ABC	336 MCM AC	7.19Y	119.8	0.13	5.21	72.41	14	1495	455	96	1.00	0.1	5.585	0.226	0	0	0	195
PL.56525	PL.38534	ABC	336 MCM AC	7.19Y	119.8	0.03	5.24	71.84	14	1482	449	96	0.21	0.0	5.633	0.048	9	3	1	194

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-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.56526	PL.56525	ABC	336 MCM AC	7.18Y	119.7	0.03	5.27	71.40	14	1473	446	96	0.24	0.0	5.690	0.057	0	0	0	193
PL.56528	PL.56526	ABC	336 MCM AC	7.18Y	119.7	0.03	5.30	71.40	14	1473	446	96	0.23	0.0	5.744	0.054	0	0	0	193
PL.56529	PL.56528	ABC	336 MCM AC	7.18Y	119.7	0.00	5.30	71.40	14	1473	445	96	0.01	0.0	5.747	0.003	0	0	0	193
C PD.8306	PL.56529	ABC	50L	7.18Y	119.7	0.00	5.30	71.40	143	1473	445	96	0.00	0.0	5.747	0.003	0	0	0	193 C
PL.56530	PD.8306	ABC	336 MCM AC	7.18Y	119.7	0.03	5.33	71.40	14	1473	445	96	0.24	0.0	5.805	0.057	25	7	3	193
PL.38614	PL.56530	ABC	336 MCM AC	7.18Y	119.6	0.02	5.35	68.45	13	1411	427	96	0.18	0.0	5.850	0.046	14	4	1	187
PL.40065	PL.38614	ABC	336 MCM AC	7.18Y	119.6	0.02	5.38	67.76	13	1397	422	96	0.15	0.0	5.889	0.039	0	0	0	186
PL.40066	PL.40065	ABC	336 MCM AC	7.18Y	119.6	0.03	5.40	66.98	13	1381	417	96	0.21	0.0	5.946	0.057	7	2	1	185
PL.38788	PL.40066	A	#2 ACSR	7.18Y	119.6	0.00	5.40	1.18	1	8	2	97	0.00	0.0	5.993	0.047	8	2	1	1
PL.40067	PL.40066	ABC	336 MCM AC	7.17Y	119.6	0.03	5.43	65.78	13	1356	409	96	0.20	0.0	5.999	0.054	0	0	0	182
PL.40068	PL.40067	ABC	336 MCM AC	7.17Y	119.6	0.01	5.44	65.78	13	1356	409	96	0.09	0.0	6.025	0.026	3	1	2	182
PL.40069	PL.40068	ABC	336 MCM AC	7.17Y	119.5	0.05	5.49	65.65	13	1353	408	96	0.37	0.0	6.126	0.101	0	0	0	180
PL.40070	PL.40069	ABC	336 MCM AC	7.17Y	119.5	0.05	5.55	65.65	13	1352	407	96	0.37	0.0	6.229	0.103	0	0	0	180
PL.38300	PL.40070	ABC	#1/0 ACSR	7.15Y	119.2	0.28	5.83	63.88	28	1316	395	96	2.62	0.2	6.470	0.241	0	0	0	176
PL.38760	PL.38300	B	6 A (CWC)	7.15Y	119.1	0.03	5.86	33.91	24	232	69	96	0.06	0.0	6.492	0.022	14	4	2	33
PL.38761	PL.38760	B	6 A (CWC)	7.14Y	119.1	0.08	5.94	31.89	23	219	65	96	0.14	0.1	6.549	0.057	4	1	1	31
PL.38827	PL.38761	B	6 A (CWC)	7.14Y	119.0	0.05	5.99	27.29	19	187	55	96	0.07	0.0	6.585	0.036	0	0	0	28
PL.59658	PL.38827	B	6 A (CWC)	7.14Y	119.0	0.00	5.99	27.29	19	187	55	96	0.01	0.0	6.588	0.003	0	0	0	28
C PD.8822	PL.59658	B	35L	7.14Y	119.0	0.00	5.99	27.29	78	187	55	96	0.00	0.0	6.588	0.003	0	0	0	28 C
PL.59660	PD.8822	B	6 A (CWC)	7.14Y	118.9	0.06	6.06	27.29	19	187	55	96	0.09	0.0	6.641	0.053	15	4	2	28
PL.59659	PL.59660	B	6 A (CWC)	7.14Y	118.9	0.03	6.08	25.08	18	172	51	96	0.04	0.0	6.664	0.023	0	0	0	26
PL.39378	PL.59659	B	6 A (CWC)	7.13Y	118.9	0.00	6.09	1.34	1	9	3	95	0.00	0.0	6.759	0.095	9	3	1	1
PL.38828	PL.59659	B	6 A (CWC)	7.13Y	118.8	0.07	6.16	23.75	17	162	48	96	0.09	0.1	6.738	0.073	27	8	4	25
PL.39320	PL.38828	B	6 A (CWC)	7.12Y	118.7	0.16	6.32	19.86	14	136	40	96	0.17	0.1	6.916	0.178	0	0	0	21
PL.38744	PL.39320	B	6 A (CWC)	7.12Y	118.7	0.00	6.32	2.13	2	15	4	97	0.00	0.0	6.949	0.033	15	4	1	1
PL.38298	PL.39320	B	6 A (CWC)	7.12Y	118.6	0.04	6.36	17.73	13	121	36	96	0.04	0.0	6.971	0.055	9	3	1	20
PL.38299	PL.38298	B	6 A (CWC)	7.12Y	118.6	0.03	6.40	16.42	12	112	33	96	0.03	0.0	7.015	0.044	0	0	0	19
PL.39066	PL.38299	B	6 A (CWC)	7.11Y	118.6	0.03	6.42	16.42	12	112	33	96	0.02	0.0	7.052	0.038	0	0	0	19
PL.56481	PL.39066	B	6 A (CWC)	7.11Y	118.5	0.04	6.46	16.42	12	112	33	96	0.03	0.0	7.104	0.052	4	1	1	19
PL.56483	PL.56481	B	6 A (CWC)	7.11Y	118.5	0.06	6.52	9.12	7	62	18	96	0.03	0.0	7.250	0.146	9	3	3	9
PL.38829	PL.56483	B	6 A (CWC)	7.11Y	118.5	0.01	6.53	5.56	4	38	11	96	0.00	0.0	7.304	0.054	9	3	1	5

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

Balanced Voltage Drop Report  
Source: Eberle

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.38830	PL.38829	B	6 A (CWC)	7.11Y	118.5	0.00	6.54	4.18	3	28	8	96	0.00	0.0	7.336	0.032	13	4	2	4
PL.56484	PL.38830	B	6 A (CWC)	7.11Y	118.5	0.00	6.54	2.26	2	15	5	95	0.00	0.0	7.392	0.055	15	5	2	2
PL.39434	PL.56483	B	6 A (CWC)	7.11Y	118.5	0.00	6.52	2.19	2	15	4	97	0.00	0.0	7.338	0.088	15	4	1	1
PL.58909	PL.39434	B	6 A (CWC)	7.11Y	118.5	0.00	6.52	0.00	0	0	0	100	0.00	0.0	7.402	0.064	0	0	0	0
PL.56482	PL.56481	B	#1/0 ACSR	7.11Y	118.5	0.01	6.47	6.65	3	45	13	96	0.00	0.0	7.190	0.086	6	2	1	9
PL.38313	PL.56482	B	#1/0 ACSR	7.11Y	118.5	0.01	6.48	3.91	2	27	8	96	0.00	0.0	7.254	0.064	2	1	1	7
PL.39429	PL.38313	B	#1/0 ACSR	7.11Y	118.5	0.00	6.48	3.65	2	25	7	96	0.00	0.0	7.310	0.056	0	0	0	6
PL.39430	PL.39429	B	#1/0 ACSR	7.11Y	118.5	0.00	6.49	1.20	1	8	2	97	0.00	0.0	7.363	0.053	0	0	0	2
PL.38752	PL.39430	B	#1/0 ACSR	7.11Y	118.5	0.00	6.49	0.00	0	0	0	100	0.00	0.0	7.419	0.055	0	0	1	1
PL.38962	PL.39430	B	#4 ACSR	7.11Y	118.5	0.00	6.49	1.20	1	8	2	97	0.00	0.0	7.386	0.023	8	2	1	1
PL.39431	PL.39429	B	#1/0 ACSR	7.11Y	118.5	0.00	6.49	2.45	1	17	5	96	0.00	0.0	7.375	0.064	5	1	1	4
PL.39432	PL.39431	B	#1/0 ACSR	7.11Y	118.5	0.00	6.49	1.78	1	12	4	95	0.00	0.0	7.443	0.068	8	2	2	3
PL.39433	PL.39432	B	#1/0 ACSR	7.11Y	118.5	0.00	6.49	0.57	0	4	1	97	0.00	0.0	7.494	0.051	4	1	1	1
PL.39154	PL.56482	B	#1/0 ACSR	7.11Y	118.5	0.00	6.47	1.87	1	13	4	96	0.00	0.0	7.205	0.015	13	4	1	1
PL.38746	PL.38761	B	#4 ACSR	7.14Y	119.1	0.00	5.94	1.34	1	9	3	95	0.00	0.0	6.620	0.072	9	3	1	1
PL.39362	PL.38761	B	#4 ACSR	7.14Y	119.1	0.00	5.95	2.68	2	18	5	96	0.00	0.0	6.589	0.041	18	5	1	1
PL.59168	PL.38300	A	6 A (CWC)	7.15Y	119.2	0.00	5.83	9.84	7	68	20	96	0.00	0.0	6.473	0.003	0	0	0	9
PD.8806	PL.59168	A	35L	7.15Y	119.2	0.00	5.83	9.84	28	67	20	96	0.00	0.0	6.473	0.003	0	0	0	9
PL.59169	PD.8806	A	6 A (CWC)	7.15Y	119.1	0.02	5.85	9.84	7	67	20	96	0.01	0.0	6.530	0.057	8	2	1	9
PL.38831	PL.59169	A	6 A (CWC)	7.15Y	119.1	0.03	5.88	8.71	6	60	18	96	0.01	0.0	6.611	0.081	6	2	1	8
PL.38832	PL.38831	A	6 A (CWC)	7.14Y	119.1	0.05	5.94	7.91	6	54	16	96	0.02	0.0	6.776	0.165	12	4	3	7
PL.38833	PL.38832	A	6 A (CWC)	7.14Y	119.0	0.05	5.99	6.16	4	42	12	96	0.02	0.0	6.953	0.177	0	0	0	4
PL.38294	PL.38833	A	#2 ACSR	7.14Y	119.0	0.00	5.99	1.76	1	12	4	95	0.00	0.0	6.989	0.036	12	4	1	1
PL.38834	PL.38833	A	6 A (CWC)	7.14Y	119.0	0.01	6.00	4.40	3	30	9	96	0.00	0.0	7.023	0.070	10	3	1	3
PL.38835	PL.38834	A	6 A (CWC)	7.14Y	119.0	0.01	6.01	2.90	2	20	6	96	0.00	0.0	7.108	0.085	16	5	1	2
PL.38836	PL.38835	A	6 A (CWC)	7.14Y	119.0	0.00	6.01	0.62	0	4	1	97	0.00	0.0	7.174	0.066	0	0	0	1
PL.39388	PL.38836	A	6 A (CWC)	7.14Y	119.0	0.00	6.01	0.62	0	4	1	97	0.00	0.0	7.289	0.115	4	1	1	1
PL.38837	PL.38836	A	6 A (CWC)	7.14Y	119.0	0.00	6.01	0.00	0	0	0	100	0.00	0.0	7.196	0.023	0	0	0	0
PL.38838	PL.38837	A	6 A (CWC)	7.14Y	119.0	0.00	6.01	0.00	0	0	0	100	0.00	0.0	7.459	0.263	0	0	0	0
PL.39077	PL.38300	ABC	#1/0 ACSR	7.15Y	119.1	0.05	5.88	49.30	21	1013	304	96	0.38	0.0	6.528	0.058	7	2	1	134
PL.39078	PL.39077	ABC	#1/0 ACSR	7.14Y	119.0	0.15	6.03	48.96	21	1005	302	96	1.10	0.1	6.701	0.173	7	2	1	133

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Balanced Voltage Drop Report  
Source: Eberle

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

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
-----																				
PL.38839	PL.39078	ABC	#1/0 ACSR	7.14Y	118.9	0.02	6.06	48.61	21	997	298	96	0.17	0.0	6.728	0.027	0	0	0	132
PL.52705	PL.38839	ABC	#1/0 ACSR	7.13Y	118.9	0.05	6.10	48.57	21	996	298	96	0.33	0.0	6.780	0.052	0	0	0	130
PL.52706	PL.52705	ABC	#1/0 ACSR	7.13Y	118.9	0.03	6.14	48.57	21	996	298	96	0.23	0.0	6.817	0.036	0	0	0	130
PL.38058	PL.52706	ABC	#1/0 ACSR	7.13Y	118.8	0.06	6.19	42.35	18	868	260	96	0.35	0.0	6.890	0.074	0	0	0	114
PL.38061	PL.38058	ABC	#1/0 ACSR	7.12Y	118.7	0.09	6.28	41.12	18	842	252	96	0.52	0.1	7.009	0.118	23	7	3	113
PL.38062	PL.38061	ABC	#1/0 ACSR	7.12Y	118.7	0.06	6.34	39.97	17	818	245	96	0.33	0.0	7.087	0.078	14	4	1	110
PL.38063	PL.38062	ABC	#1/0 ACSR	7.12Y	118.6	0.03	6.36	39.28	17	804	240	96	0.15	0.0	7.122	0.035	0	0	0	109
PL.38064	PL.38063	ABC	#1/0 ACSR	7.11Y	118.6	0.08	6.44	39.28	17	804	240	96	0.47	0.1	7.237	0.115	0	0	0	109
PL.39337	PL.38064	ABC	#1/0 ACSR	7.11Y	118.5	0.02	6.47	36.45	16	745	222	96	0.11	0.0	7.269	0.032	9	3	1	103
PL.38072	PL.39337	ABC	#1/0 ACSR	7.11Y	118.5	0.04	6.50	36.00	16	736	220	96	0.19	0.0	7.323	0.054	0	0	0	102
PL.62529	PL.38072	ABC	#1/0 ACSR	7.11Y	118.5	0.03	6.53	36.00	16	736	219	96	0.14	0.0	7.364	0.041	0	0	0	102
PL.62530	PL.62529	ABC	#1/0 ACSR	7.10Y	118.4	0.11	6.63	35.32	15	722	215	96	0.55	0.1	7.530	0.167	0	0	0	100
PL.40097	PL.62530	C	6 A (CWC)	7.10Y	118.4	0.00	6.63	0.66	0	4	1	97	0.00	0.0	7.536	0.006	0	0	0	2
PD.5941	PL.40097	C	40QA	7.10Y	118.4	0.00	6.63	0.66	2	4	1	97	0.00	0.0	7.536	0.006	0	0	0	2
PL.40098	PD.5941	C	6 A (CWC)	7.10Y	118.4	0.00	6.63	0.66	0	4	1	97	0.00	0.0	7.567	0.031	4	1	2	2
PL.40099	PL.62530	ABC	#1/0 ACSR	7.10Y	118.3	0.05	6.69	35.10	15	717	213	96	0.28	0.0	7.616	0.085	0	0	0	98
PL.40100	PL.40099	ABC	#1/0 ACSR	7.10Y	118.3	0.06	6.74	34.13	15	697	207	96	0.28	0.0	7.704	0.089	0	0	0	97
PL.40105	PL.40100	ABC	#1/0 ACSR	7.09Y	118.2	0.02	6.76	32.48	14	663	197	96	0.09	0.0	7.735	0.030	0	0	0	94
PL.40106	PL.40105	ABC	#1/0 ACSR	7.09Y	118.2	0.03	6.79	32.48	14	663	197	96	0.13	0.0	7.781	0.046	0	0	0	94
PL.61593	PL.40106	ABC	#1/0 ACSR	7.09Y	118.2	0.04	6.83	32.36	14	660	196	96	0.20	0.0	7.851	0.070	0	0	1	93
PL.61594	PL.61593	ABC	#1/0 ACSR	7.09Y	118.1	0.04	6.87	32.36	14	660	196	96	0.18	0.0	7.916	0.065	0	0	1	92
PL.40107	PL.61594	ABC	#1/0 ACSR	7.08Y	118.0	0.10	6.97	29.78	13	607	180	96	0.43	0.1	8.097	0.181	0	0	0	84
PL.38919	PL.40107	C	6 A (CWC)	7.08Y	118.0	0.00	6.97	16.77	12	114	34	96	0.00	0.0	8.102	0.006	0	0	0	17
PD.5939	PL.38919	C	40QA	7.08Y	118.0	0.00	6.97	16.77	42	114	34	96	0.00	0.0	8.102	0.006	0	0	0	17
L PL.38920	PD.5939	C	6 A (CWC)	7.07Y	117.9	0.15	7.13	16.77	12	114	34	96	0.14	0.1	8.302	0.200	0	0	0	17 L
L PL.38921	PL.38920	C	#2 ACSR	7.07Y	117.9	0.00	7.13	1.69	1	11	3	96	0.00	0.0	8.334	0.032	11	3	1	1 L
L PL.38923	PL.38920	C	6 A (CWC)	7.07Y	117.8	0.12	7.25	15.08	11	102	30	96	0.10	0.1	8.482	0.180	2	0	1	16 L
L PL.39358	PL.38923	C	#1/0 ACSR	7.07Y	117.8	0.00	7.25	1.29	1	9	3	95	0.00	0.0	8.521	0.039	9	3	1	1 L
L PL.38924	PL.38923	C	#4 ACSR	7.06Y	117.7	0.01	7.26	5.06	4	34	10	96	0.00	0.0	8.575	0.093	29	9	3	4 L
L PL.38925	PL.38924	C	#4 ACSR	7.06Y	117.7	0.00	7.26	0.74	1	5	1	98	0.00	0.0	8.628	0.053	5	1	1	1 L
L PL.38926	PL.38923	C	6 A (CWC)	7.06Y	117.7	0.04	7.29	8.50	6	58	17	96	0.02	0.0	8.577	0.096	4	1	1	10 L

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
L PL.38384	PL.38926	C	6 A (CWC)	7.06Y	117.7	0.00	7.29	0.60	0	4	1	97	0.00	0.0	8.650	0.073	4	1	2	2 L
L PL.38927	PL.38926	C	6 A (CWC)	7.06Y	117.7	0.02	7.31	7.37	5	50	15	96	0.01	0.0	8.663	0.086	19	5	1	7 L
L PL.38928	PL.38927	C	#2 ACSR	7.06Y	117.7	0.00	7.31	2.10	1	14	4	96	0.00	0.0	8.758	0.095	14	4	1	1 L
L PL.39026	PL.38927	C	6 A (CWC)	7.06Y	117.7	0.00	7.31	2.52	2	17	5	96	0.00	0.0	8.740	0.077	17	5	2	5 L
L PL.38260	PL.39026	C	6 A (CWC)	7.06Y	117.7	0.00	7.31	0.02	0	0	0	100	0.00	0.0	8.816	0.075	0	0	0	3 L
L PL.38922	PL.38260	C	6 A (CWC)	7.06Y	117.7	0.00	7.31	0.02	0	0	0	100	0.00	0.0	8.911	0.095	0	0	0	3 L
L PL.38929	PL.38922	C	6 A (CWC)	7.06Y	117.7	0.00	7.31	0.02	0	0	0	100	0.00	0.0	8.968	0.057	0	0	0	3 L
L PL.39167	PL.38929	C	#2 ACSR	7.06Y	117.7	0.00	7.31	0.00	0	0	0	100	0.00	0.0	8.988	0.020	0	0	2	2 L
L PL.38930	PL.38929	C	6 A (CWC)	7.06Y	117.7	0.00	7.31	0.02	0	0	0	100	0.00	0.0	9.018	0.050	0	0	1	1 L
L PL.38307	PL.38260	C	#4 ACSR	7.06Y	117.7	0.00	7.31	0.00	0	0	0	100	0.00	0.0	8.859	0.044	0	0	0	0 L
PL.39353	PL.40107	ABC	#1/0 ACSR	7.08Y	118.0	0.03	6.99	24.19	11	493	146	96	0.10	0.0	8.159	0.062	0	0	0	67
L PL.39480	PL.39353	ABC	#1/0 ACSR	7.08Y	118.0	0.02	7.02	20.33	9	414	123	96	0.06	0.0	8.219	0.060	19	6	4	56 L
L PL.39481	PL.39480	ABC	#1/0 ACSR	7.08Y	118.0	0.01	7.03	19.40	8	395	117	96	0.03	0.0	8.249	0.030	0	0	0	52 L
L PL.40109	PL.39481	ABC	#1/0 ACSR	7.08Y	117.9	0.03	7.05	18.37	8	374	111	96	0.07	0.0	8.325	0.075	3	1	1	50 L
L PL.40112	PL.40109	ABC	#1/0 ACSR	7.07Y	117.9	0.05	7.10	18.20	8	370	110	96	0.13	0.0	8.477	0.152	0	0	0	49 L
L PL.40113	PL.40112	ABC	#1/0 ACSR	7.07Y	117.9	0.03	7.13	18.20	8	370	110	96	0.07	0.0	8.559	0.082	0	0	0	49 L
L PL.40114	PL.40113	C	#1/0 ACSR	7.07Y	117.9	0.00	7.13	12.31	5	84	25	96	0.00	0.0	8.565	0.006	0	0	0	10 L
L PD.6170	PL.40114	C	40QA	7.07Y	117.9	0.00	7.13	12.31	31	84	25	96	0.00	0.0	8.565	0.006	0	0	0	10 L
L PL.40115	PD.6170	C	#1/0 ACSR	7.07Y	117.9	0.00	7.13	12.31	5	84	25	96	0.00	0.0	8.571	0.007	20	6	3	10 L
L PL.40116	PL.40115	C	#1/0 ACSR	7.07Y	117.9	0.02	7.15	9.39	4	64	19	96	0.01	0.0	8.650	0.078	4	1	1	7 L
L PL.40117	PL.40116	C	#1/0 ACSR	7.07Y	117.8	0.01	7.16	6.18	3	42	12	96	0.00	0.0	8.722	0.072	12	4	1	4 L
L PL.40118	PL.40117	C	#1/0 ACSR	7.07Y	117.8	0.01	7.16	4.40	2	30	9	96	0.00	0.0	8.789	0.066	11	3	1	3 L
L PL.40119	PL.40118	C	#1/0 ACSR	7.07Y	117.8	0.00	7.17	2.74	1	19	5	97	0.00	0.0	8.888	0.099	11	3	1	2 L
L PL.40120	PL.40119	C	#1/0 ACSR	7.07Y	117.8	0.00	7.17	1.16	1	8	2	97	0.00	0.0	8.960	0.072	8	2	1	1 L
L PL.37193	PL.40116	C	#4 ACSR	7.07Y	117.8	0.00	7.15	2.57	2	17	5	96	0.00	0.0	8.722	0.072	17	5	2	2 L
L PL.39165	PL.40113	B	#1/0 ACSR	7.07Y	117.8	0.03	7.16	42.28	18	287	85	96	0.05	0.0	8.585	0.026	0	0	0	39 L
L PL.59663	PL.39165	B	#1/0 ACSR	7.07Y	117.8	0.00	7.16	42.28	18	287	85	96	0.00	0.0	8.587	0.003	0	0	0	39 L
C PD.8823	PL.59663	B	35L	7.07Y	117.8	0.00	7.16	42.28	121	287	85	96	0.00	0.0	8.587	0.003	0	0	0	39 C
L PL.59664	PD.8823	B	#1/0 ACSR	7.06Y	117.6	0.22	7.38	42.28	18	287	85	96	0.44	0.2	8.813	0.226	0	0	0	39 L
L PL.59661	PL.59664	B	#1/0 ACSR	7.05Y	117.5	0.07	7.45	40.27	18	272	81	96	0.13	0.0	8.886	0.073	7	2	1	37 L
L PL.38286	PL.59661	B	#1/0 ACSR	7.05Y	117.4	0.10	7.55	39.23	17	265	78	96	0.19	0.1	8.999	0.113	0	0	0	36 L

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Balanced Voltage Drop Report  
Source: Eberle

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
L PL.39348	PL.38286	B	6 A (CWC)	7.05Y	117.4	0.00	7.56	11.13	8	75	22	96	0.00	0.0	9.005	0.006	0	0	0	12 L
L PD.5935	PL.39348	B	20T	7.05Y	117.4	0.00	7.56	11.13	0	75	22	96	0.00	0.0	9.005	0.006	0	0	0	12 L
L PL.38933	PD.5935	B	6 A (CWC)	7.03Y	117.2	0.20	7.76	11.13	8	75	22	96	0.11	0.1	9.440	0.435	14	4	1	12 L
L PL.38934	PL.38933	B	6 A (CWC)	7.03Y	117.2	0.02	7.78	9.08	6	61	18	96	0.01	0.0	9.485	0.045	0	0	1	11 L
L PL.39474	PL.38934	B	6 A (CWC)	7.03Y	117.2	0.03	7.80	9.08	6	61	18	96	0.01	0.0	9.552	0.068	13	4	2	10 L
L PL.40121	PL.39474	B	6 A (CWC)	7.03Y	117.2	0.04	7.84	7.17	5	48	14	96	0.01	0.0	9.672	0.120	0	0	0	8 L
L PL.40122	PL.40121	B	6 A (CWC)	7.03Y	117.2	0.01	7.85	5.37	4	36	11	96	0.00	0.0	9.715	0.043	24	7	4	5 L
L PL.61603	PL.40122	B	#1/0 ACSR	7.03Y	117.1	0.00	7.85	1.81	1	12	4	95	0.00	0.0	9.747	0.032	12	4	1	1 L
L PL.37027	PL.40121	B	#4 ACSR	7.03Y	117.2	0.00	7.84	0.82	1	6	2	95	0.00	0.0	9.732	0.061	6	2	1	1 L
L PL.39344	PL.40121	B	#2 ACSR	7.03Y	117.2	0.00	7.84	0.98	1	7	2	96	0.00	0.0	9.749	0.077	7	2	2	2 L
L PL.40123	PL.38286	B	#1/0 ACSR	7.05Y	117.4	0.01	7.57	23.59	10	159	47	96	0.01	0.0	9.024	0.025	7	2	1	19 L
L PL.39175	PL.40123	B	6 A (CWC)	7.05Y	117.4	0.00	7.57	1.60	1	11	3	96	0.00	0.0	9.030	0.006	11	3	2	2 L
L PL.40124	PL.40123	B	#1/0 ACSR	7.04Y	117.4	0.03	7.60	20.97	9	142	42	96	0.03	0.0	9.082	0.057	0	0	0	16 L
L PL.39159	PL.40124	B	#1/0 ACSR	7.04Y	117.4	0.00	7.60	0.00	0	0	0	100	0.00	0.0	9.119	0.038	0	0	0	0 L
L PL.40126	PL.40124	B	#1/0 ACSR	7.04Y	117.3	0.06	7.65	20.97	9	142	42	96	0.06	0.0	9.201	0.120	0	0	0	16 L
L PL.40127	PL.40126	B	6 A (CWC)	7.04Y	117.3	0.04	7.70	16.68	12	113	33	96	0.04	0.0	9.254	0.053	0	0	0	13 L
L PL.39933	PL.40127	B	#1/0 ACSR	7.04Y	117.3	0.02	7.71	16.68	7	113	33	96	0.01	0.0	9.300	0.045	0	0	0	13 L
L PL.39934	PL.39933	B	#4 ACSR	7.04Y	117.3	0.00	7.72	9.36	7	63	19	96	0.00	0.0	9.305	0.006	0	0	0	7 L
L PD.6189	PL.39934	B	25QA	7.04Y	117.3	0.00	7.72	9.36	37	63	19	96	0.00	0.0	9.305	0.006	0	0	0	7 L
L PL.39935	PD.6189	B	#4 ACSR	7.04Y	117.3	0.02	7.73	9.36	7	63	19	96	0.01	0.0	9.356	0.050	25	7	1	7 L
L PL.39936	PL.39935	B	#4 ACSR	7.03Y	117.2	0.03	7.77	5.15	4	35	10	96	0.01	0.0	9.505	0.150	0	0	0	5 L
L PL.38308	PL.39936	B	#2 ACSR	7.03Y	117.2	0.00	7.77	1.54	1	10	3	96	0.00	0.0	9.563	0.058	10	3	2	2 L
L PL.39937	PL.39936	B	#4 ACSR	7.03Y	117.2	0.01	7.77	3.61	3	24	7	96	0.00	0.0	9.548	0.043	3	1	1	3 L
L PL.39313	PL.39937	B	#4 ACSR	7.03Y	117.2	0.00	7.77	1.26	1	8	3	94	0.00	0.0	9.581	0.033	8	3	1	1 L
L PL.39938	PL.39937	B	#4 ACSR	7.03Y	117.2	0.00	7.78	1.87	1	13	4	96	0.00	0.0	9.635	0.086	13	4	1	1 L
L PL.39346	PL.39935	B	#2 ACSR	7.04Y	117.3	0.00	7.73	0.53	0	4	1	97	0.00	0.0	9.398	0.042	4	1	1	1 L
L PL.39939	PL.39933	B	#4 ACSR	7.04Y	117.3	0.03	7.75	7.33	6	49	15	96	0.01	0.0	9.399	0.099	0	0	0	6 L
L PL.38310	PL.39939	B	#4 ACSR	7.04Y	117.3	0.00	7.75	0.00	0	0	0	100	0.00	0.0	9.454	0.055	0	0	0	0 L
L PL.38309	PL.39939	B	#4 ACSR	7.04Y	117.3	0.00	7.75	1.16	1	8	2	97	0.00	0.0	9.448	0.049	8	2	1	1 L
L PL.39940	PL.39939	B	#4 ACSR	7.03Y	117.2	0.02	7.76	6.16	5	42	12	96	0.01	0.0	9.482	0.083	16	5	1	5 L
L PL.39941	PL.39940	B	#4 ACSR	7.03Y	117.2	0.00	7.77	3.78	3	26	8	96	0.00	0.0	9.511	0.029	0	0	0	4 L

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

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
-----																				
L PL.39461	PL.39941	B	#2 ACSR	7.03Y	117.2	0.00	7.77	1.74	1	12	3	97	0.00	0.0	9.551	0.040	12	3	2	2 L
L PL.39942	PL.39941	B	#4 ACSR	7.03Y	117.2	0.01	7.78	2.05	2	14	4	96	0.00	0.0	9.589	0.078	0	0	0	2 L
L PL.39944	PL.39942	B	#4 ACSR	7.03Y	117.2	0.00	7.78	2.05	2	14	4	96	0.00	0.0	9.615	0.026	14	4	2	2 L
L PL.39945	PL.39944	B	#4 ACSR	7.03Y	117.2	0.00	7.78	0.00	0	0	0	100	0.00	0.0	9.764	0.150	0	0	0	0 L
L PL.39943	PL.39942	B	#4 ACSR	7.03Y	117.2	0.00	7.78	0.00	0	0	0	100	0.00	0.0	9.634	0.045	0	0	0	0 L
L PL.40125	PL.40126	B	#1/0 ACSR	7.04Y	117.3	0.00	7.66	4.29	2	29	9	96	0.00	0.0	9.218	0.016	0	0	0	3 L
L PL.39360	PL.40125	B	6 A (CWC)	7.04Y	117.3	0.01	7.66	1.78	1	12	4	95	0.00	0.0	9.359	0.141	12	4	1	1 L
L PL.64630	PL.40125	B	#1/0 ACSR	7.04Y	117.3	0.00	7.66	2.51	1	17	5	96	0.00	0.0	9.305	0.087	9	3	1	2 L
L PL.64631	PL.64630	B	#1/0 ACSR	7.04Y	117.3	0.00	7.66	1.22	1	8	2	97	0.00	0.0	9.305	0.000	8	2	1	1 L
L PL.39349	PL.38286	B	6 A (CWC)	7.05Y	117.4	0.01	7.56	4.51	3	30	9	96	0.00	0.0	9.031	0.031	2	1	1	5 L
L PL.39350	PL.39349	B	6 A (CWC)	7.05Y	117.4	0.01	7.57	4.22	3	29	8	96	0.00	0.0	9.077	0.047	15	4	2	4 L
L PL.39435	PL.39350	B	6 A (CWC)	7.05Y	117.4	0.01	7.57	2.05	1	14	4	96	0.00	0.0	9.146	0.069	0	0	0	2 L
L PL.39436	PL.39435	B	6 A (CWC)	7.05Y	117.4	0.00	7.58	2.05	1	14	4	96	0.00	0.0	9.181	0.035	0	0	0	2 L
L PL.39437	PL.39436	B	6 A (CWC)	7.05Y	117.4	0.00	7.58	2.05	1	14	4	96	0.00	0.0	9.246	0.065	14	4	2	2 L
L PL.39438	PL.39437	B	6 A (CWC)	7.05Y	117.4	0.00	7.58	0.00	0	0	0	100	0.00	0.0	9.305	0.059	0	0	0	0 L
L PL.59662	PL.59664	B	#1/0 ACSR	7.06Y	117.6	0.00	7.38	2.01	1	14	4	96	0.00	0.0	8.859	0.046	14	4	2	2 L
L PL.40110	PL.40109	A	#1/0 ACSR	7.08Y	117.9	0.00	7.05	0.00	0	0	0	100	0.00	0.0	8.330	0.006	0	0	0	0 L
L PD.5921	PL.40110	A	25QA	7.08Y	117.9	0.00	7.05	0.00	0	0	0	100	0.00	0.0	8.330	0.006	0	0	0	0 L
L PL.40111	PD.5921	A	#1/0 ACSR	7.08Y	117.9	0.00	7.05	0.00	0	0	0	100	0.00	0.0	8.369	0.038	0	0	0	0 L
L PL.39482	PL.39481	C	6 A (CWC)	7.08Y	118.0	0.00	7.03	3.10	2	21	6	96	0.00	0.0	8.255	0.006	0	0	0	2 L
L PD.6177	PL.39482	C	25QA	7.08Y	118.0	0.00	7.03	3.10	12	21	6	96	0.00	0.0	8.255	0.006	0	0	0	2 L
L PL.40108	PD.6177	C	6 A (CWC)	7.08Y	118.0	0.00	7.03	3.10	2	21	6	96	0.00	0.0	8.295	0.040	21	6	2	2 L
PL.38931	PL.39353	A	6 A (CWC)	7.08Y	118.0	0.00	7.00	11.56	8	79	23	96	0.00	0.0	8.164	0.006	0	0	0	11
PD.5924	PL.38931	A	40QA	7.08Y	118.0	0.00	7.00	11.56	29	79	23	96	0.00	0.0	8.164	0.006	0	0	0	11
L PL.38932	PD.5924	A	6 A (CWC)	7.08Y	118.0	0.01	7.01	11.56	8	79	23	96	0.01	0.0	8.189	0.024	14	4	4	11 L
L PL.39475	PL.38932	A	6 A (CWC)	7.08Y	118.0	0.01	7.02	9.55	7	65	19	96	0.01	0.0	8.216	0.027	0	0	0	7 L
L PL.39476	PL.39475	A	#4 ACSR	7.08Y	118.0	0.00	7.02	3.13	2	21	6	96	0.00	0.0	8.249	0.033	12	3	1	4 L
L PL.39477	PL.39476	A	#4 ACSR	7.08Y	118.0	0.00	7.02	1.42	1	10	3	96	0.00	0.0	8.268	0.019	10	3	3	3 L
L PL.39478	PL.39475	A	6 A (CWC)	7.08Y	118.0	0.01	7.03	6.42	5	44	13	96	0.00	0.0	8.260	0.044	22	6	2	3 L
L PL.39479	PL.39478	A	6 A (CWC)	7.08Y	118.0	0.01	7.04	3.23	2	22	6	96	0.00	0.0	8.332	0.072	22	6	1	1 L
PL.38917	PL.61594	A	6 A (CWC)	7.09Y	118.1	0.00	6.87	4.08	3	28	8	96	0.00	0.0	7.921	0.006	0	0	0	5

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.5940	PL.38917	A	40QA	7.09Y	118.1	0.00	6.87	4.08	10	28	8	96	0.00	0.0	7.921	0.006	0	0	0	5
PL.38918	PD.5940	A	6 A (CWC)	7.09Y	118.1	0.01	6.88	4.08	3	28	8	96	0.00	0.0	7.994	0.073	28	8	5	5
PL.39162	PL.61594	A	#2 ACSR	7.09Y	118.1	0.00	6.87	3.66	2	25	7	96	0.00	0.0	7.947	0.031	25	7	2	2
PL.38915	PL.40106	A	#4 ACSR	7.09Y	118.2	0.00	6.79	0.36	0	2	1	89	0.00	0.0	7.787	0.006	0	0	0	1
PD.6165	PL.38915	A	40QA	7.09Y	118.2	0.00	6.79	0.36	1	2	1	89	0.00	0.0	7.787	0.006	0	0	0	1
PL.38916	PD.6165	A	#4 ACSR	7.09Y	118.2	0.00	6.79	0.36	0	2	1	89	0.00	0.0	7.821	0.034	2	1	1	1
PL.58796	PL.40100	A	#1/0 ACSR	7.10Y	118.3	0.00	6.74	3.09	1	21	6	96	0.00	0.0	7.708	0.004	0	0	0	2
PD.8647	PL.58796	A	10T	7.10Y	118.3	0.00	6.74	3.09	0	21	6	96	0.00	0.0	7.708	0.004	0	0	0	2
PL.58797	PD.8647	A	#1/0 ACSR	7.10Y	118.3	0.00	6.75	3.09	1	21	6	96	0.00	0.0	7.750	0.042	21	6	2	2
PL.40103	PL.40100	C	#4 ACSR	7.10Y	118.3	0.00	6.74	1.85	1	13	4	96	0.00	0.0	7.710	0.006	0	0	0	1
PD.6183	PL.40103	C	40QA	7.10Y	118.3	0.00	6.74	1.85	5	13	4	96	0.00	0.0	7.710	0.006	0	0	0	1
PL.40104	PD.6183	C	#4 ACSR	7.10Y	118.3	0.00	6.75	1.85	1	13	4	96	0.00	0.0	7.735	0.025	13	4	1	1
PL.40101	PL.40099	A	#2 ACSR	7.10Y	118.3	0.00	6.69	2.92	2	20	6	96	0.00	0.0	7.621	0.006	0	0	0	1
PD.5942	PL.40101	A	40QA	7.10Y	118.3	0.00	6.69	2.92	7	20	6	96	0.00	0.0	7.621	0.006	0	0	0	1
PL.40102	PD.5942	A	#2 ACSR	7.10Y	118.3	0.00	6.69	2.92	2	20	6	96	0.00	0.0	7.640	0.019	20	6	1	1
PL.62531	PL.62529	A	#1/0 ACSR	7.11Y	118.5	0.00	6.53	2.04	1	14	4	96	0.00	0.0	7.366	0.002	0	0	0	2
PD.9380	PL.62531	A	20T	7.11Y	118.5	0.00	6.53	2.04	0	14	4	96	0.00	0.0	7.366	0.002	0	0	0	2
PL.62532	PD.9380	A	#1/0 ACSR	7.11Y	118.5	0.00	6.53	2.04	1	14	4	96	0.00	0.0	7.382	0.016	14	4	2	2
PL.38065	PL.38064	C	6 A (CWC)	7.11Y	118.6	0.00	6.44	3.32	2	23	7	96	0.00	0.0	7.243	0.006	0	0	0	2
PD.5936	PL.38065	C	40QA	7.11Y	118.6	0.00	6.44	3.32	8	23	7	96	0.00	0.0	7.243	0.006	0	0	0	2
PL.38067	PD.5936	C	6 A (CWC)	7.11Y	118.5	0.01	6.46	3.32	2	23	7	96	0.00	0.0	7.325	0.082	0	0	0	2
PL.38747	PL.38067	C	6 A (CWC)	7.11Y	118.5	0.00	6.46	1.84	1	13	4	96	0.00	0.0	7.380	0.055	13	4	1	1
PL.39169	PL.38067	C	6 A (CWC)	7.11Y	118.5	0.00	6.46	1.48	1	10	3	96	0.00	0.0	7.398	0.073	10	3	1	1
PL.38068	PL.38067	C	#1/0 ACSR	7.11Y	118.5	0.00	6.46	0.00	0	0	0	100	0.00	0.0	7.591	0.266	0	0	0	0
PL.38066	PL.38064	A	6 A (CWC)	7.11Y	118.6	0.00	6.45	5.17	4	35	10	96	0.00	0.0	7.243	0.006	0	0	0	4
PD.5937	PL.38066	A	40QA	7.11Y	118.6	0.00	6.45	5.17	13	35	10	96	0.00	0.0	7.243	0.006	0	0	0	4
PL.38069	PD.5937	A	6 A (CWC)	7.11Y	118.5	0.02	6.47	5.17	4	35	10	96	0.01	0.0	7.333	0.090	0	0	0	4
PL.38635	PL.38069	A	#4 ACSR	7.11Y	118.5	0.01	6.48	1.83	1	13	4	96	0.00	0.0	7.451	0.118	0	0	0	1
PL.38646	PL.38635	A	#4 ACSR	7.11Y	118.5	0.00	6.48	1.83	1	13	4	96	0.00	0.0	7.546	0.095	13	4	1	1
PL.38070	PL.38069	A	6 A (CWC)	7.11Y	118.5	0.02	6.49	3.33	2	23	7	96	0.00	0.0	7.575	0.243	16	5	1	3
PL.38071	PL.38070	A	6 A (CWC)	7.11Y	118.5	0.00	6.49	1.04	1	7	2	96	0.00	0.0	7.722	0.146	7	2	2	2

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Balanced Voltage Drop Report  
Source: Eberle

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.38533	PL.38070	A	6 A (CWC)	7.11Y	118.5	0.00	6.49	0.00	0	0	0	100	0.00	0.0	7.790	0.215	0	0	0	0
PL.38059	PL.38058	A	#4 ACSR	7.13Y	118.8	0.00	6.19	3.69	3	25	7	96	0.00	0.0	6.896	0.006	0	0	0	1
PD.6197	PL.38059	A	40QA	7.13Y	118.8	0.00	6.19	3.69	9	25	7	96	0.00	0.0	6.896	0.006	0	0	0	1
PL.38060	PD.6197	A	#4 ACSR	7.13Y	118.8	0.00	6.19	3.69	3	25	7	96	0.00	0.0	6.913	0.017	25	7	1	1
PL.40074	PL.52706	C	#1/0 ACSR	7.13Y	118.9	0.00	6.14	18.66	8	128	38	96	0.00	0.0	6.822	0.006	0	0	0	16
PD.5938	PL.40074	C	40QA	7.13Y	118.9	0.00	6.14	18.66	47	128	38	96	0.00	0.0	6.822	0.006	0	0	0	16
PL.40075	PD.5938	C	#1/0 ACSR	7.13Y	118.8	0.02	6.16	18.66	8	128	38	96	0.01	0.0	6.866	0.043	14	4	2	16
PL.37597	PL.40075	C	#1/0 ACSR	7.13Y	118.8	0.02	6.17	16.63	7	114	34	96	0.01	0.0	6.908	0.042	13	4	1	14
PL.37598	PL.37597	C	#1/0 ACSR	7.13Y	118.8	0.04	6.21	14.80	6	101	30	96	0.03	0.0	7.036	0.129	13	4	2	13
PL.37599	PL.37598	C	#1/0 ACSR	7.13Y	118.8	0.01	6.22	12.91	6	88	26	96	0.01	0.0	7.071	0.035	4	1	1	11
PL.39390	PL.37599	C	#4 ACSR	7.13Y	118.8	0.00	6.22	0.00	0	0	0	100	0.00	0.0	7.203	0.132	0	0	1	1
PL.63354	PL.37599	C	#1/0 ACSR	7.12Y	118.7	0.04	6.26	12.30	5	84	25	96	0.02	0.0	7.217	0.146	21	6	2	9
PL.63355	PL.63354	C	#1/0 ACSR	7.12Y	118.7	0.00	6.26	0.01	0	0	0	100	0.00	0.0	7.221	0.004	0	0	0	1
PD.9465	PL.63355	C	10T	7.12Y	118.7	0.00	6.26	0.01	0	0	0	100	0.00	0.0	7.221	0.004	0	0	0	1
PL.63356	PD.9465	C	#1/0 ACSR	7.12Y	118.7	0.00	6.26	0.01	0	0	0	100	0.00	0.0	7.286	0.066	0	0	0	1
PL.63357	PL.63356	C	#1/0 ACSR	7.12Y	118.7	0.00	6.26	0.01	0	0	0	100	0.00	0.0	7.318	0.032	0	0	0	1
PL.63358	PL.63357	C	#1/0 ACSR	7.12Y	118.7	0.00	6.26	0.01	0	0	0	100	0.00	0.0	7.371	0.053	0	0	1	1
PL.37600	PL.63354	C	6 A (CWC)	7.12Y	118.7	0.03	6.29	9.26	7	63	19	96	0.02	0.0	7.292	0.075	0	0	0	6
PL.38051	PL.37600	C	6 A (CWC)	7.12Y	118.7	0.02	6.31	9.26	7	63	19	96	0.01	0.0	7.335	0.044	0	0	0	6
PL.39079	PL.38051	C	#4 ACSR	7.12Y	118.7	0.00	6.31	0.00	0	0	0	100	0.00	0.0	7.396	0.061	0	0	0	0
PL.38052	PL.38051	C	6 A (CWC)	7.12Y	118.7	0.02	6.33	9.26	7	63	19	96	0.01	0.0	7.392	0.057	18	5	1	6
PL.38055	PL.38052	C	6 A (CWC)	7.12Y	118.7	0.02	6.35	4.92	4	34	10	96	0.00	0.0	7.490	0.098	12	4	1	4
PL.38056	PL.38055	C	6 A (CWC)	7.12Y	118.6	0.01	6.36	3.11	2	21	6	96	0.00	0.0	7.579	0.088	15	5	1	3
PL.38057	PL.38056	C	6 A (CWC)	7.12Y	118.6	0.00	6.36	0.87	1	6	2	95	0.00	0.0	7.659	0.080	6	2	2	2
PL.38053	PL.38052	C	#4 ACSR	7.12Y	118.7	0.00	6.33	1.64	1	11	3	96	0.00	0.0	7.420	0.028	11	3	1	1
PL.38054	PL.38053	C	#4 ACSR	7.12Y	118.7	0.00	6.33	0.00	0	0	0	100	0.00	0.0	7.535	0.115	0	0	0	0
PL.39527	PL.38054	C	#4 ACSR	7.12Y	118.7	0.00	6.33	0.00	0	0	0	100	0.00	0.0	7.646	0.111	0	0	0	0
CP.82	PL.52705	ABC	Cap (300)	7.13Y	118.9	0.00	6.10	0.00	0	0	0	100	0.00	0.0	6.780	0.111	0	0	0	0
PL.38840	PL.38839	ABC	6 A (CWC)	7.14Y	118.9	0.00	6.06	0.04	0	1	0	100	0.00	0.0	6.746	0.019	0	0	0	2
PL.38841	PL.38840	ABC	6 A (CWC)	7.14Y	118.9	0.00	6.06	0.04	0	1	0	100	0.00	0.0	6.791	0.045	1	0	1	2
PL.38842	PL.38841	ABC	6 A (CWC)	7.14Y	118.9	0.00	6.06	0.01	0	0	0	100	0.00	0.0	6.812	0.020	0	0	1	1

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.40073	PL.38842	ABC	6 A (CWC)	7.14Y	118.9	0.00	6.06	0.00	0	0	0	100	0.00	0.0	6.827	0.015	0	0	0	0
PL.38756	PL.40070	A	6 A (CWC)	7.17Y	119.5	0.00	5.55	5.30	4	36	11	96	0.00	0.0	6.234	0.006	0	0	0	4
PD.5933	PL.38756	A	50QA	7.17Y	119.5	0.00	5.55	5.30	11	36	11	96	0.00	0.0	6.234	0.006	0	0	0	4
PL.38757	PD.5933	A	6 A (CWC)	7.16Y	119.4	0.07	5.61	5.30	4	36	11	96	0.02	0.0	6.549	0.315	10	3	2	4
PL.38758	PL.38757	A	6 A (CWC)	7.16Y	119.4	0.01	5.62	3.86	3	27	8	96	0.00	0.0	6.602	0.053	0	0	0	2
PL.63077	PL.38758	A	6 A (CWC)	7.16Y	119.4	0.00	5.63	2.18	2	15	4	97	0.00	0.0	6.689	0.087	15	4	1	1
PL.38759	PL.38758	A	6 A (CWC)	7.16Y	119.4	0.01	5.63	1.68	1	12	3	97	0.00	0.0	6.743	0.142	12	3	1	1
PL.40071	PL.40069	A	#4 ACSR	7.17Y	119.5	0.00	5.49	0.00	0	0	0	100	0.00	0.0	6.132	0.006	0	0	0	0
PD.5934	PL.40071	A	50QA	7.17Y	119.5	0.00	5.49	0.00	0	0	0	100	0.00	0.0	6.132	0.006	0	0	0	0
PL.40072	PD.5934	A	#4 ACSR	7.17Y	119.5	0.00	5.49	0.00	0	0	0	100	0.00	0.0	6.170	0.039	0	0	0	0
PL.38961	PL.40066	C	#2 ACSR	7.18Y	119.6	0.00	5.41	1.44	1	10	3	96	0.00	0.0	5.994	0.048	10	3	1	1
PL.39153	PL.40065	C	#2 ACSR	7.18Y	119.6	0.00	5.38	2.35	1	16	5	95	0.00	0.0	5.913	0.024	16	5	1	1
PL.38312	PL.56530	C	#2 ACSR	7.18Y	119.7	0.00	5.33	5.23	3	36	11	96	0.00	0.0	5.810	0.006	0	0	0	3
PD.5925	PL.38312	C	40QA	7.18Y	119.7	0.00	5.33	5.23	13	36	11	96	0.00	0.0	5.810	0.006	0	0	0	3
PL.38612	PD.5925	C	#2 ACSR	7.18Y	119.7	0.01	5.34	5.23	3	36	11	96	0.00	0.0	5.874	0.064	13	4	1	3
PL.38613	PL.38612	C	#2 ACSR	7.18Y	119.7	0.00	5.34	3.28	2	23	7	96	0.00	0.0	5.945	0.071	23	7	2	2
PL.64626	PL.38613	C	#1/0 ACSR	7.18Y	119.7	0.00	5.34	0.00	0	0	0	100	0.00	0.0	6.011	0.066	0	0	0	0
PL.64627	PL.64626	C	#1/0 ACSR	7.18Y	119.7	0.00	5.34	0.00	0	0	0	100	0.00	0.0	6.085	0.074	0	0	0	0
PL.56527	PL.56526	C	#2 ACSR	7.18Y	119.7	0.00	5.27	0.00	0	0	0	100	0.00	0.0	5.733	0.042	0	0	0	0
PL.38535	PL.38534	A	#1/0 ACSR	7.19Y	119.8	0.00	5.21	1.71	1	12	3	97	0.00	0.0	5.591	0.006	0	0	0	1
PD.5926	PL.38535	A	40QA	7.19Y	119.8	0.00	5.21	1.71	4	12	3	97	0.00	0.0	5.591	0.006	0	0	0	1
PL.38388	PD.5926	A	#1/0 ACSR	7.19Y	119.8	0.00	5.21	1.71	1	12	3	97	0.00	0.0	5.600	0.009	12	3	1	1
PL.40063	PL.56480	C	#2 ACSR	7.19Y	119.9	0.00	5.09	1.09	1	8	2	97	0.00	0.0	5.365	0.006	0	0	0	2
PD.6178	PL.40063	C	40QA	7.19Y	119.9	0.00	5.09	1.09	3	8	2	97	0.00	0.0	5.365	0.006	0	0	0	2
PL.40064	PD.6178	C	#2 ACSR	7.19Y	119.9	0.00	5.09	1.09	1	8	2	97	0.00	0.0	5.382	0.018	8	2	2	2
PL.56477	PL.56478	A	6 A (CWC)	7.20Y	119.9	0.00	5.05	0.00	0	0	0	100	0.00	0.0	5.339	0.041	0	0	0	0
PL.56479	PL.56478	A	#4 ACSR	7.20Y	119.9	0.00	5.05	1.24	1	9	3	95	0.00	0.0	5.303	0.006	0	0	0	1
PD.5927	PL.56479	A	40QA	7.20Y	119.9	0.00	5.05	1.24	3	9	3	95	0.00	0.0	5.303	0.006	0	0	0	1
PL.40062	PD.5927	A	#4 ACSR	7.20Y	119.9	0.00	5.05	1.24	1	9	3	95	0.00	0.0	5.378	0.075	9	3	1	1
PL.59656	PL.59655	A	#1/0 ACSR	7.22Y	120.3	0.00	4.74	1.63	1	11	3	96	0.00	0.0	4.786	0.006	0	0	0	2
PD.6275	PL.59656	A	40QA	7.22Y	120.3	0.00	4.74	1.63	4	11	3	96	0.00	0.0	4.786	0.006	0	0	0	2

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.40454	PD.6275	A	#1/0 ACSR	7.22Y	120.3	0.00	4.74	1.63	1	11	3	96	0.00	0.0	4.805	0.019	11	3	2	2
PL.40940	PL.63337	C	#2 ACSR	7.22Y	120.4	0.00	4.62	1.31	1	9	3	95	0.00	0.0	4.613	0.006	0	0	0	1
PD.6276	PL.40940	C	40QA	7.22Y	120.4	0.00	4.62	1.31	3	9	3	95	0.00	0.0	4.613	0.006	0	0	0	1
PL.40453	PD.6276	C	#2 ACSR	7.22Y	120.4	0.00	4.63	1.31	1	9	3	95	0.00	0.0	4.643	0.030	9	3	1	1
PL.40292	PL.40291	A	#1/0 ACSR	7.26Y	121.0	0.00	4.03	0.86	0	6	2	95	0.00	0.0	3.760	0.006	0	0	0	4
PD.6243	PL.40292	A	40QA	7.26Y	121.0	0.00	4.03	0.86	2	6	2	95	0.00	0.0	3.760	0.006	0	0	0	4
PL.40293	PD.6243	A	#1/0 ACSR	7.26Y	121.0	0.00	4.03	0.86	0	6	2	95	0.00	0.0	3.794	0.034	6	2	4	4
PL.40664	PL.40639	AB	#1/0 ACSR	7.26Y	121.1	0.02	3.94	25.04	11	349	104	96	0.04	0.0	3.689	0.034	6	2	1	52
PL.40665	PL.40664	AB	#1/0 ACSR	7.26Y	121.0	0.03	3.97	24.59	11	342	102	96	0.08	0.0	3.756	0.067	0	0	0	51
PL.59171	PL.40665	AB	#1/0 ACSR	7.26Y	121.0	0.00	3.97	24.59	11	342	102	96	0.00	0.0	3.759	0.003	0	0	0	51
PD.8807	PL.59171	AB	50L	7.26Y	121.0	0.00	3.97	24.59	49	342	102	96	0.00	0.0	3.759	0.003	0	0	0	51
PL.60831	PD.8807	AB	#1/0 ACSR	7.26Y	121.0	0.06	4.03	24.59	11	342	102	96	0.13	0.0	3.866	0.108	0	0	0	51
PL.60832	PL.60831	AB	#1/0 ACSR	7.26Y	121.0	0.02	4.05	23.75	10	330	98	96	0.05	0.0	3.910	0.044	5	1	1	50
PL.59170	PL.60832	AB	#1/0 ACSR	7.25Y	120.9	0.05	4.10	23.39	10	325	97	96	0.11	0.0	4.013	0.102	15	4	1	49
PL.59208	PL.59170	B	#2 ACSR	7.25Y	120.9	0.00	4.10	2.00	1	14	4	96	0.00	0.0	4.018	0.006	0	0	0	1
PD.6348	PL.59208	B	40QA	7.25Y	120.9	0.00	4.10	2.00	5	14	4	96	0.00	0.0	4.018	0.006	0	0	0	1
PL.40666	PD.6348	B	#2 ACSR	7.25Y	120.9	0.00	4.10	2.00	1	14	4	96	0.00	0.0	4.073	0.055	14	4	1	1
PL.40822	PL.40666	B	#2 ACSR	7.25Y	120.9	0.00	4.10	0.00	0	0	0	100	0.00	0.0	4.101	0.027	0	0	0	0
PL.59210	PL.59170	B	#1/0 ACSR	7.25Y	120.9	0.00	4.10	1.27	1	9	2	98	0.00	0.0	4.040	0.027	0	0	0	1
PD.8674	PL.59210	B	12T	7.25Y	120.9	0.00	4.10	1.27	0	9	2	98	0.00	0.0	4.040	0.027	0	0	0	1
PL.59211	PD.8674	B	#1/0 ACSR	7.25Y	120.9	0.00	4.10	1.27	1	9	2	98	0.00	0.0	4.166	0.126	0	0	0	1
PL.59212	PL.59211	B	1/0 AL URD	7.25Y	120.9	0.00	4.11	1.27	1	9	2	98	0.00	0.0	4.256	0.090	0	0	0	1
PD.8675	PL.59212	B	100CodeSMo	7.25Y	120.9	0.00	4.11	1.28	0	9	2	98	0.00	0.0	4.256	0.090	0	0	0	1
PL.59213	PD.8675	B	1/0 AL URD	7.25Y	120.9	0.00	4.11	1.28	1	9	2	98	0.00	0.0	4.339	0.083	9	3	1	1
PL.59209	PL.59170	AB	#1/0 ACSR	7.25Y	120.9	0.05	4.15	20.69	9	288	86	96	0.10	0.0	4.126	0.113	0	0	0	46
PL.40667	PL.59209	AB	#1/0 ACSR	7.25Y	120.8	0.04	4.19	20.69	9	287	86	96	0.07	0.0	4.214	0.088	0	0	0	46
PL.64325	PL.40667	A	#1/0 ACSR	7.25Y	120.8	0.00	4.19	0.00	0	0	0	100	0.00	0.0	4.258	0.044	0	0	0	0
PL.64566	PL.40667	AB	#1/0 ACSR	7.24Y	120.7	0.07	4.26	20.69	9	287	86	96	0.14	0.0	4.376	0.162	0	0	0	46
PL.64568	PL.64566	A	#1/0 ACSR	7.24Y	120.7	0.00	4.26	1.06	0	7	2	96	0.00	0.0	4.418	0.042	7	2	1	1
PL.64567	PL.64566	AB	#1/0 ACSR	7.24Y	120.7	0.03	4.28	20.16	9	280	84	96	0.05	0.0	4.437	0.060	4	1	1	45
PL.64565	PL.64567	AB	#1/0 ACSR	7.24Y	120.7	0.03	4.31	19.90	9	276	83	96	0.05	0.0	4.499	0.062	0	0	0	44

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Balanced Voltage Drop Report  
Source: Eberle

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.40668	PL.64565	AB	#1/0 ACSR	7.24Y	120.6	0.06	4.36	18.82	8	261	78	96	0.10	0.0	4.643	0.145	10	3	1	41
PL.40672	PL.40668	AB	#1/0 ACSR	7.24Y	120.6	0.03	4.39	18.13	8	251	75	96	0.05	0.0	4.724	0.080	4	1	1	40
PL.40673	PL.40672	AB	#1/0 ACSR	7.23Y	120.6	0.03	4.42	17.85	8	247	74	96	0.04	0.0	4.791	0.067	0	0	0	39
PL.40674	PL.40673	AB	#1/0 ACSR	7.23Y	120.6	0.01	4.43	16.76	7	232	70	96	0.01	0.0	4.812	0.022	9	3	1	38
PL.39684	PL.40674	AB	#1/0 ACSR	7.23Y	120.5	0.11	4.54	16.10	7	223	67	96	0.17	0.1	5.149	0.337	0	0	0	37
PL.39686	PL.39684	A	#2 ACSR	7.23Y	120.5	0.00	4.54	0.00	0	0	0	100	0.00	0.0	5.155	0.006	0	0	0	0
PD.6242	PL.39686	A	40QA	7.23Y	120.5	0.00	4.54	0.00	0	0	0	100	0.00	0.0	5.155	0.006	0	0	0	0
PL.39687	PD.6242	A	#2 ACSR	7.23Y	120.5	0.00	4.54	0.00	0	0	0	100	0.00	0.0	5.163	0.008	0	0	0	0
PL.39685	PL.39684	AB	#1/0 ACSR	7.23Y	120.4	0.02	4.56	16.10	7	223	67	96	0.03	0.0	5.208	0.059	0	0	0	37
PL.39688	PL.39685	A	#2 ACSR	7.23Y	120.4	0.00	4.56	3.23	2	22	7	95	0.00	0.0	5.214	0.006	0	0	0	1
PD.6347	PL.39688	A	40QA	7.23Y	120.4	0.00	4.56	3.23	8	22	7	95	0.00	0.0	5.214	0.006	0	0	0	1
PL.39689	PD.6347	A	#2 ACSR	7.23Y	120.4	0.00	4.56	3.23	2	22	7	95	0.00	0.0	5.275	0.061	22	7	1	1
PL.39690	PL.39685	AB	#1/0 ACSR	7.22Y	120.4	0.03	4.59	14.49	6	201	60	96	0.04	0.0	5.298	0.090	0	0	1	36
PL.39691	PL.39690	AB	#1/0 ACSR	7.22Y	120.3	0.16	4.75	14.47	6	200	60	96	0.22	0.1	5.821	0.522	0	0	0	35
PL.39692	PL.39691	AB	#1/0 ACSR	7.21Y	120.2	0.01	4.76	14.47	6	200	60	96	0.02	0.0	5.865	0.044	0	0	0	35
PL.39693	PL.39692	AB	#1/0 ACSR	7.21Y	120.2	0.09	4.85	14.47	6	200	60	96	0.12	0.1	6.157	0.293	0	0	0	35
PL.39694	PL.39693	A	#2 ACSR	7.21Y	120.2	0.00	4.85	0.16	0	1	0	100	0.00	0.0	6.163	0.006	0	0	0	2
PD.6241	PL.39694	A	40QA	7.21Y	120.2	0.00	4.85	0.16	0	1	0	100	0.00	0.0	6.163	0.006	0	0	0	2
PL.40443	PD.6241	A	#2 ACSR	7.21Y	120.2	0.00	4.85	0.16	0	1	0	100	0.00	0.0	6.282	0.119	1	0	2	2
PL.40444	PL.40443	A	#2 ACSR	7.21Y	120.2	0.00	4.85	0.00	0	0	0	100	0.00	0.0	6.345	0.063	0	0	0	0
PL.40445	PL.39693	AB	#1/0 ACSR	7.21Y	120.1	0.04	4.89	14.39	6	199	59	96	0.05	0.0	6.288	0.131	0	0	0	33
PL.40446	PL.40445	AB	#1/0 ACSR	7.20Y	120.1	0.04	4.93	14.39	6	199	59	96	0.06	0.0	6.428	0.140	0	0	0	33
PL.40447	PL.40446	AB	#1/0 ACSR	7.20Y	120.0	0.02	4.95	14.39	6	199	59	96	0.03	0.0	6.503	0.075	0	0	0	33
PL.40508	PL.40447	A	6 A (CWC)	7.20Y	120.0	0.00	4.96	15.44	11	107	32	96	0.00	0.0	6.509	0.006	0	0	0	17
PD.6378	PL.40508	A	100CodeSMo	7.20Y	120.0	0.00	4.96	15.44	0	107	32	96	0.00	0.0	6.509	0.006	0	0	0	17
PL.40509	PD.6378	A	6 A (CWC)	7.20Y	120.0	0.07	5.02	15.44	11	107	32	96	0.05	0.1	6.603	0.094	0	0	0	17
PL.40620	PL.40509	A	6 A (CWC)	7.20Y	119.9	0.06	5.08	15.44	11	107	32	96	0.05	0.0	6.683	0.081	0	0	0	17
PL.40623	PL.40620	A	6 A (CWC)	7.18Y	119.7	0.25	5.33	13.27	9	92	27	96	0.17	0.2	7.088	0.404	0	0	0	15
PL.40751	PL.40623	A	6 A (CWC)	7.18Y	119.7	0.00	5.33	0.00	0	0	0	100	0.00	0.0	7.204	0.116	0	0	1	1
PL.40624	PL.40623	A	6 A (CWC)	7.18Y	119.6	0.06	5.38	13.27	9	91	27	96	0.04	0.0	7.181	0.093	0	0	0	14
PL.40625	PL.40624	A	6 A (CWC)	7.15Y	119.2	0.40	5.78	13.23	9	91	27	96	0.28	0.3	7.838	0.657	0	0	0	13

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
-----																				
PL.40298	PL.40625	A	6 A (CWC)	7.15Y	119.2	0.03	5.81	3.68	3	25	7	96	0.01	0.0	7.990	0.152	0	0	0	4
PL.40626	PL.40298	A	6 A (CWC)	7.15Y	119.2	0.02	5.83	1.47	1	10	3	96	0.00	0.0	8.325	0.335	2	1	1	2
PL.40754	PL.40626	A	#2 ACSR	7.15Y	119.2	0.00	5.83	1.20	1	8	2	97	0.00	0.0	8.441	0.117	8	2	1	1
PL.40627	PL.40626	A	6 A (CWC)	7.15Y	119.2	0.00	5.83	0.00	0	0	0	100	0.00	0.0	8.723	0.399	0	0	0	0
PL.40299	PL.40627	A	#4 ACSR	7.15Y	119.2	0.00	5.83	0.00	0	0	0	100	0.00	0.0	8.948	0.224	0	0	0	0
PL.40628	PL.40298	A	6 A (CWC)	7.15Y	119.2	0.02	5.83	2.21	2	15	4	97	0.00	0.0	8.148	0.158	0	0	0	2
PL.40745	PL.40628	A	6 A (CWC)	7.15Y	119.2	0.00	5.83	0.95	1	7	2	96	0.00	0.0	8.189	0.041	7	2	1	1
PL.40629	PL.40628	A	6 A (CWC)	7.15Y	119.2	0.00	5.83	1.26	1	9	3	95	0.00	0.0	8.310	0.162	9	3	1	1
PL.40302	PL.40625	A	6 A (CWC)	7.14Y	119.0	0.26	6.05	9.55	7	65	19	96	0.13	0.2	8.437	0.599	0	0	0	9
PL.62507	PL.40302	A	#4 ACSR	7.14Y	119.0	0.00	6.05	3.72	3	25	7	96	0.00	0.0	8.438	0.001	0	0	0	4
PD.9371	PL.62507	A	20T	7.14Y	119.0	0.00	6.05	3.72	0	25	7	96	0.00	0.0	8.438	0.001	0	0	0	4
PL.62508	PD.9371	A	#4 ACSR	7.13Y	118.9	0.05	6.10	3.72	3	25	7	96	0.01	0.0	8.765	0.327	0	0	0	4
PL.40412	PL.62508	A	#4 ACSR	7.13Y	118.9	0.00	6.10	0.00	0	0	0	100	0.00	0.0	8.829	0.064	0	0	0	0
PL.40933	PL.62508	A	#4 ACSR	7.13Y	118.9	0.02	6.12	3.72	3	25	7	96	0.00	0.0	8.906	0.141	0	0	0	4
PL.40819	PL.40933	A	#4 ACSR	7.13Y	118.9	0.00	6.13	1.13	1	8	2	97	0.00	0.0	8.953	0.047	0	0	0	1
PL.40934	PL.40819	A	#4 ACSR	7.13Y	118.9	0.00	6.13	1.13	1	8	2	97	0.00	0.0	9.017	0.064	0	0	0	1
PL.40935	PL.40934	A	#4 ACSR	7.13Y	118.9	0.00	6.13	0.00	0	0	0	100	0.00	0.0	9.244	0.227	0	0	0	0
PL.40248	PL.40934	A	#4 ACSR	7.13Y	118.9	0.00	6.13	1.13	1	8	2	97	0.00	0.0	9.068	0.051	8	2	1	1
PL.40630	PL.40933	A	#4 ACSR	7.13Y	118.9	0.01	6.13	2.59	2	18	5	96	0.00	0.0	9.004	0.098	8	2	1	3
PL.40631	PL.40630	A	#4 ACSR	7.13Y	118.9	0.00	6.14	1.37	1	9	3	95	0.00	0.0	9.034	0.030	0	0	0	2
PL.40932	PL.40631	A	#4 ACSR	7.13Y	118.9	0.00	6.14	1.37	1	9	3	95	0.00	0.0	9.082	0.048	9	3	1	1
PL.40326	PL.40631	A	#1/0 ACSR	7.13Y	118.9	0.00	6.14	0.00	0	0	0	100	0.00	0.0	9.077	0.043	0	0	1	1
PL.40936	PL.40302	A	6 A (CWC)	7.13Y	118.9	0.04	6.09	5.83	4	40	12	96	0.01	0.0	8.581	0.145	0	0	0	5
PL.40937	PL.40936	A	6 A (CWC)	7.13Y	118.8	0.07	6.15	5.83	4	40	12	96	0.02	0.1	8.830	0.248	0	0	0	5
PL.40247	PL.40937	A	#4 ACSR	7.13Y	118.8	0.00	6.15	0.00	0	0	0	100	0.00	0.0	8.954	0.125	0	0	0	0
PL.40938	PL.40937	A	6 A (CWC)	7.13Y	118.8	0.03	6.19	5.83	4	40	12	96	0.01	0.0	8.962	0.133	4	1	1	5
PL.40939	PL.40938	A	6 A (CWC)	7.12Y	118.7	0.10	6.29	5.29	4	36	11	96	0.02	0.1	9.726	0.763	32	9	2	4
PL.59222	PL.40939	A	6 A (CWC)	7.12Y	118.7	0.00	6.29	0.58	0	4	1	97	0.00	0.0	9.830	0.104	4	1	2	2
PL.59223	PL.59222	A	6 A (CWC)	7.12Y	118.7	0.00	6.29	0.00	0	0	0	100	0.00	0.0	10.602	0.773	0	0	0	0
PL.40309	PL.40624	A	6 A (CWC)	7.18Y	119.6	0.00	5.38	0.04	0	0	0	100	0.00	0.0	7.326	0.146	0	0	1	1
PL.40621	PL.40620	A	6 A (CWC)	7.19Y	119.9	0.01	5.09	2.17	2	15	4	97	0.00	0.0	6.873	0.190	15	4	1	2
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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
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PL.40622	PL.40621	A	6 A (CWC)	7.19Y	119.9	0.00	5.09	0.00	0	0	0	100	0.00	0.0	6.933	0.060	0	0	1	1
PL.40448	PL.40447	B	6 A (CWC)	7.20Y	120.0	0.00	4.96	13.34	10	92	27	96	0.00	0.0	6.509	0.006	0	0	0	16
PD.6377	PL.40448	B	100CodeSMo	7.20Y	120.0	0.00	4.96	13.34	0	92	27	96	0.00	0.0	6.509	0.006	0	0	0	16
PL.40507	PD.6377	B	6 A (CWC)	7.20Y	120.0	0.08	5.03	13.34	10	92	27	96	0.05	0.1	6.633	0.124	0	0	0	16
PL.40533	PL.40507	B	6 A (CWC)	7.19Y	119.9	0.05	5.09	13.34	10	92	27	96	0.04	0.0	6.723	0.090	6	2	1	16
PL.40297	PL.40533	B	6 A (CWC)	7.19Y	119.9	0.00	5.09	0.20	0	1	0	100	0.00	0.0	6.755	0.032	1	0	1	1
PL.40534	PL.40533	B	6 A (CWC)	7.19Y	119.8	0.11	5.20	12.29	9	85	25	96	0.07	0.1	6.917	0.194	0	0	0	14
PL.40535	PL.40534	B	#4 ACSR	7.19Y	119.8	0.00	5.20	1.64	1	11	3	96	0.00	0.0	6.938	0.022	11	3	1	1
PL.40536	PL.40535	B	#4 ACSR	7.19Y	119.8	0.00	5.20	0.00	0	0	0	100	0.00	0.0	6.964	0.026	0	0	0	0
PL.40537	PL.40534	B	6 A (CWC)	7.18Y	119.6	0.16	5.35	10.65	8	73	22	96	0.09	0.1	7.241	0.324	0	0	0	13
PL.40538	PL.40537	B	6 A (CWC)	7.16Y	119.3	0.32	5.67	10.65	8	73	22	96	0.18	0.2	7.887	0.646	0	0	0	13
PL.40677	PL.40538	B	6 A (CWC)	7.14Y	119.0	0.29	5.96	10.65	8	73	22	96	0.17	0.2	8.483	0.596	0	0	0	13
PL.40678	PL.40677	B	6 A (CWC)	7.14Y	119.0	0.05	6.02	10.65	8	73	22	96	0.03	0.0	8.590	0.107	0	0	0	13
PL.40679	PL.40678	B	6 A (CWC)	7.14Y	118.9	0.06	6.08	10.65	8	73	22	96	0.03	0.0	8.711	0.121	0	0	0	13
PL.40682	PL.40679	B	6 A (CWC)	7.13Y	118.9	0.05	6.13	10.65	8	73	22	96	0.03	0.0	8.815	0.104	5	1	1	13
PL.40683	PL.40682	B	6 A (CWC)	7.13Y	118.9	0.01	6.13	9.97	7	68	20	96	0.00	0.0	8.833	0.019	0	0	0	12
PL.40608	PL.40683	B	6 A (CWC)	7.12Y	118.7	0.13	6.27	8.62	6	59	17	96	0.06	0.1	9.169	0.336	0	0	1	11
PL.40686	PL.40608	B	6 A (CWC)	7.12Y	118.7	0.00	6.27	1.75	1	12	4	95	0.00	0.0	9.221	0.052	0	0	1	2
PL.40607	PL.40686	B	6 A (CWC)	7.12Y	118.7	0.00	6.27	1.73	1	12	3	97	0.00	0.0	9.277	0.056	12	3	1	1
PL.39662	PL.40608	B	#4 ACSR	7.12Y	118.7	0.00	6.27	0.01	0	0	0	100	0.00	0.0	9.365	0.196	0	0	1	1
PL.40610	PL.40608	B	6 A (CWC)	7.11Y	118.6	0.17	6.43	6.87	5	47	14	96	0.06	0.1	9.699	0.530	0	0	0	7
PL.40611	PL.40610	B	6 A (CWC)	7.11Y	118.6	0.01	6.45	3.83	3	26	8	96	0.00	0.0	9.784	0.085	0	0	0	4
PL.40609	PL.40611	B	6 A (CWC)	7.11Y	118.5	0.09	6.54	3.83	3	26	8	96	0.02	0.1	10.274	0.490	0	0	0	4
PL.40614	PL.40609	B	#2 ACSR	7.11Y	118.5	0.00	6.54	1.47	1	10	3	96	0.00	0.0	10.363	0.089	10	3	2	2
PL.41669	PL.40614	B	#2 ACSR	7.11Y	118.5	0.00	6.54	0.00	0	0	0	100	0.00	0.0	10.418	0.055	0	0	0	0
PL.72509	PL.41669	B	#2 ACSR	7.11Y	118.5	0.00	6.54	0.00	0	0	0	100	0.00	0.0	10.473	0.055	0	0	0	0
PL.67005	PL.72509	B	6 A (CWC)	7.11Y	118.5	0.00	6.54	0.00	0	0	0	100	0.00	0.0	10.477	0.004	0	0	0	0
PD.10105-B	PL.67005	B	Open	7.11Y	118.5	0.00	6.54	0.00	0	0	0	100	0.00	0.0	10.477	0.004	0	0	0	0
PL.40615	PL.40609	B	6 A (CWC)	7.11Y	118.5	0.00	6.54	2.36	2	16	5	95	0.00	0.0	10.280	0.006	0	0	0	2
PD.6245	PL.40615	B	20QA	7.11Y	118.5	0.00	6.54	2.36	12	16	5	95	0.00	0.0	10.280	0.006	0	0	0	2
PL.40616	PD.6245	B	6 A (CWC)	7.11Y	118.5	0.00	6.54	2.36	2	16	5	95	0.00	0.0	10.322	0.043	0	0	0	2

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.40617	PL.40616	B	6 A (CWC)	7.11Y	118.4	0.03	6.57	2.36	2	16	5	95	0.00	0.0	10.556	0.234	0	0	0	2
PL.40692	PL.40617	B	6 A (CWC)	7.11Y	118.4	0.00	6.57	1.70	1	12	3	97	0.00	0.0	10.599	0.043	12	3	1	1
PL.40618	PL.40617	B	6 A (CWC)	7.11Y	118.4	0.00	6.57	0.65	0	4	1	97	0.00	0.0	10.797	0.242	4	1	1	1
PL.40148	PL.40618	B	#4 ACSR	7.11Y	118.4	0.00	6.57	0.00	0	0	0	100	0.00	0.0	10.867	0.069	0	0	0	0
PL.40619	PL.40618	B	6 A (CWC)	7.11Y	118.4	0.00	6.57	0.00	0	0	0	100	0.00	0.0	10.991	0.194	0	0	0	0
PL.40612	PL.40610	B	6 A (CWC)	7.11Y	118.6	0.01	6.44	3.04	2	21	6	96	0.00	0.0	9.776	0.077	10	3	2	3
PL.40613	PL.40612	B	6 A (CWC)	7.11Y	118.6	0.00	6.44	1.56	1	11	3	96	0.00	0.0	9.844	0.068	11	3	1	1
PL.40684	PL.40683	B	6 A (CWC)	7.13Y	118.9	0.00	6.14	1.35	1	9	3	95	0.00	0.0	8.862	0.029	0	0	0	1
PL.40685	PL.40684	B	6 A (CWC)	7.13Y	118.9	0.00	6.14	1.35	1	9	3	95	0.00	0.0	8.922	0.059	9	3	1	1
PL.40680	PL.40679	B	6 A (CWC)	7.14Y	118.9	0.00	6.08	0.00	0	0	0	100	0.00	0.0	8.717	0.006	0	0	0	0
PD.6365	PL.40680	B	75QA	7.14Y	118.9	0.00	6.08	0.00	0	0	0	100	0.00	0.0	8.717	0.006	0	0	0	0
PL.40681	PD.6365	B	6 A (CWC)	7.14Y	118.9	0.00	6.08	0.00	0	0	0	100	0.00	0.0	9.302	0.585	0	0	0	0
PL.40249	PL.40677	B	#4 ACSR	7.14Y	119.0	0.00	5.96	0.00	0	0	0	100	0.00	0.0	8.981	0.499	0	0	0	0
PL.40301	PL.40538	B	6 A (CWC)	7.16Y	119.3	0.00	5.67	0.00	0	0	0	100	0.00	0.0	7.959	0.073	0	0	0	0
PL.40331	PL.40537	B	#4 ACSR	7.18Y	119.6	0.00	5.35	0.00	0	0	0	100	0.00	0.0	7.297	0.056	0	0	0	0
PL.40675	PL.40673	A	#2 ACSR	7.23Y	120.6	0.00	4.42	2.17	1	15	4	97	0.00	0.0	4.796	0.006	0	0	0	1
PD.6240	PL.40675	A	40QA	7.23Y	120.6	0.00	4.42	2.17	5	15	4	97	0.00	0.0	4.796	0.006	0	0	0	1
PL.40676	PD.6240	A	#2 ACSR	7.23Y	120.6	0.00	4.42	2.17	1	15	4	97	0.00	0.0	4.923	0.127	15	4	1	1
PL.40670	PL.64565	B	#2 ACSR	7.24Y	120.7	0.00	4.31	2.16	1	15	4	97	0.00	0.0	4.504	0.006	0	0	0	3
PD.6366	PL.40670	B	40QA	7.24Y	120.7	0.00	4.31	2.16	5	15	4	97	0.00	0.0	4.504	0.006	0	0	0	3
PL.40671	PD.6366	B	#2 ACSR	7.24Y	120.7	0.00	4.31	2.16	1	15	4	97	0.00	0.0	4.538	0.034	6	2	1	3
PL.40669	PL.40671	B	#2 ACSR	7.24Y	120.7	0.00	4.31	1.32	1	9	3	95	0.00	0.0	4.580	0.042	9	3	2	2
PL.64323	PL.40667	B	#2 ACSR	7.25Y	120.8	0.00	4.19	0.00	0	0	0	100	0.00	0.0	4.220	0.006	0	0	0	0
PD.9531	PL.64323	B	40QA	7.25Y	120.8	0.00	4.19	0.00	0	0	0	100	0.00	0.0	4.220	0.006	0	0	0	0
PL.64324	PD.9531	B	#2 ACSR	7.25Y	120.8	0.00	4.19	0.00	0	0	0	100	0.00	0.0	4.243	0.023	0	0	0	0
PL.60833	PL.60831	A	#1/0 ACSR	7.26Y	121.0	0.00	4.03	1.68	1	12	3	97	0.00	0.0	3.870	0.003	0	0	0	1
PD.9056	PL.60833	A	10T	7.26Y	121.0	0.00	4.03	1.68	0	12	3	97	0.00	0.0	3.870	0.003	0	0	0	1
PL.60834	PD.9056	A	#1/0 ACSR	7.26Y	121.0	0.00	4.03	1.68	1	12	3	97	0.00	0.0	3.897	0.028	12	3	1	1
PL.60740	PL.40639	C	#2 ACSR	7.26Y	121.1	0.00	3.92	1.49	1	10	3	96	0.00	0.0	3.695	0.039	0	0	0	1
PL.60741	PL.60740	C	#1/0 ACSR	7.26Y	121.1	0.00	3.92	1.49	1	10	3	96	0.00	0.0	3.713	0.019	10	3	1	1
PL.52806	PL.52805	A	#4 ACSR	7.29Y	121.4	0.00	3.55	17.71	14	124	37	96	0.00	0.0	3.270	0.006	0	0	0	24

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: Eberle

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.6381	PL.52806	A	50L	7.29Y	121.4	0.00	3.55	17.71	35	124	37	96	0.00	0.0	3.270	0.006	0	0	0	24
PL.40480	PD.6381	A	#4 ACSR	7.28Y	121.3	0.14	3.70	17.71	14	124	37	96	0.13	0.1	3.452	0.182	4	1	1	24
PL.40481	PL.40480	A	#4 ACSR	7.28Y	121.3	0.02	3.72	17.13	13	120	35	96	0.02	0.0	3.482	0.030	0	0	1	23
PL.40370	PL.40481	A	#4 ACSR	7.27Y	121.2	0.09	3.81	17.06	13	119	35	96	0.09	0.1	3.605	0.123	0	0	0	22
PL.40371	PL.40370	A	#4 ACSR	7.27Y	121.2	0.03	3.85	17.06	13	119	35	96	0.03	0.0	3.653	0.048	15	5	1	22
PL.40372	PL.40371	A	#4 ACSR	7.26Y	121.1	0.09	3.94	14.87	11	104	31	96	0.07	0.1	3.795	0.142	13	4	2	21
PL.40373	PL.40372	A	#4 ACSR	7.26Y	121.0	0.10	4.03	12.94	10	90	27	96	0.07	0.1	3.962	0.167	0	0	0	19
PL.40374	PL.40373	A	#4 ACSR	7.26Y	120.9	0.03	4.06	12.42	10	86	26	96	0.02	0.0	4.008	0.046	1	0	1	18
PL.40375	PL.40374	A	#4 ACSR	7.25Y	120.9	0.04	4.10	12.24	9	85	25	96	0.03	0.0	4.079	0.070	0	0	0	17
PL.40233	PL.40375	A	6 A (CWC)	7.25Y	120.8	0.10	4.20	10.50	7	73	22	96	0.06	0.1	4.287	0.208	1	0	1	14
PL.40234	PL.40233	A	6 A (CWC)	7.24Y	120.7	0.06	4.25	10.39	7	72	21	96	0.03	0.0	4.415	0.129	8	2	1	13
PL.40235	PL.40234	A	6 A (CWC)	7.24Y	120.7	0.02	4.28	9.27	7	64	19	96	0.01	0.0	4.469	0.054	0	0	0	12
PL.40236	PL.40235	A	6 A (CWC)	7.24Y	120.7	0.02	4.30	9.27	7	64	19	96	0.01	0.0	4.524	0.055	0	0	0	12
PL.40174	PL.40236	A	#4 ACSR	7.24Y	120.7	0.00	4.30	2.21	2	15	5	95	0.00	0.0	4.589	0.065	15	5	1	1
PL.40237	PL.40236	A	6 A (CWC)	7.24Y	120.7	0.04	4.34	7.05	5	49	14	96	0.01	0.0	4.648	0.124	0	0	1	11
PL.40238	PL.40237	A	6 A (CWC)	7.24Y	120.6	0.02	4.37	6.99	5	49	14	96	0.01	0.0	4.735	0.086	13	4	2	10
PL.40239	PL.40238	A	6 A (CWC)	7.24Y	120.6	0.02	4.39	5.10	4	35	10	96	0.01	0.0	4.836	0.101	0	0	0	8
PL.40241	PL.40239	A	6 A (CWC)	7.24Y	120.6	0.01	4.39	2.21	2	15	5	95	0.00	0.0	4.908	0.072	8	2	1	4
PL.59243	PL.40241	A	6 A (CWC)	7.24Y	120.6	0.00	4.40	1.07	1	7	2	96	0.00	0.0	5.037	0.129	7	2	3	3
PL.40240	PL.40239	A	6 A (CWC)	7.24Y	120.6	0.00	4.39	2.89	2	20	6	96	0.00	0.0	4.887	0.052	11	3	1	4
PL.40242	PL.40240	A	6 A (CWC)	7.24Y	120.6	0.01	4.40	1.24	1	9	3	95	0.00	0.0	5.028	0.141	0	0	0	3
PL.40243	PL.40242	A	6 A (CWC)	7.24Y	120.6	0.00	4.41	1.24	1	9	3	95	0.00	0.0	5.082	0.054	0	0	0	3
PL.40284	PL.40243	A	6 A (CWC)	7.24Y	120.6	0.00	4.41	0.03	0	0	0	100	0.00	0.0	5.186	0.104	0	0	1	1
PL.40285	PL.40284	A	6 A (CWC)	7.24Y	120.6	0.00	4.41	0.00	0	0	0	100	0.00	0.0	5.289	0.103	0	0	0	0
PL.40227	PL.40243	A	#2 ACSR	7.24Y	120.6	0.00	4.41	1.22	1	8	2	97	0.00	0.0	5.131	0.049	8	2	2	2
PL.40704	PL.40242	A	6 A (CWC)	7.24Y	120.6	0.00	4.40	0.00	0	0	0	100	0.00	0.0	5.144	0.116	0	0	0	0
PL.40376	PL.40375	A	6 A (CWC)	7.25Y	120.9	0.01	4.11	1.74	1	12	4	95	0.00	0.0	4.244	0.166	0	0	0	3
PL.40377	PL.40376	A	6 A (CWC)	7.25Y	120.9	0.01	4.12	1.74	1	12	4	95	0.00	0.0	4.325	0.081	0	0	0	3
PL.40378	PL.40377	A	6 A (CWC)	7.25Y	120.9	0.00	4.12	0.91	1	6	2	95	0.00	0.0	4.402	0.077	3	1	1	2
PL.40638	PL.40378	A	6 A (CWC)	7.25Y	120.9	0.00	4.12	0.48	0	3	1	95	0.00	0.0	4.439	0.036	3	1	1	1
PL.40718	PL.40377	A	6 A (CWC)	7.25Y	120.9	0.00	4.12	0.82	1	6	2	95	0.00	0.0	4.426	0.101	6	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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.40768	PL.40373	A	#4 ACSR	7.26Y	121.0	0.00	4.03	0.52	0	4	1	97	0.00	0.0	3.986	0.023	4	1	1	1
PL.52205	PL.52237	C	#1/0 ACSR	7.29Y	121.5	0.00	3.45	1.68	1	12	3	97	0.00	0.0	3.194	0.028	12	3	1	1
PL.52208	PL.52207	C	#1/0 ACSR	7.30Y	121.7	0.00	3.27	0.69	0	5	1	98	0.00	0.0	2.989	0.006	0	0	0	1
PD.8009	PL.52208	C	40QA	7.30Y	121.7	0.00	3.27	0.69	2	5	1	98	0.00	0.0	2.989	0.006	0	0	0	1
PL.52209	PD.8009	C	#1/0 ACSR	7.30Y	121.7	0.00	3.27	0.69	0	5	1	98	0.00	0.0	3.035	0.046	5	1	1	1
PL.40330	PL.40636	A	#1/0 ACSR	7.34Y	122.3	0.00	2.68	0.00	0	0	0	100	0.00	0.0	2.443	0.035	0	0	0	0
PL.40605	PL.40632	C	6 A (CWC)	7.35Y	122.5	0.00	2.47	3.85	3	27	8	96	0.00	0.0	2.211	0.006	0	0	0	2
PD.6244	PL.40605	C	60QA	7.35Y	122.5	0.00	2.47	3.85	6	27	8	96	0.00	0.0	2.211	0.006	0	0	0	2
PL.40606	PD.6244	C	6 A (CWC)	7.35Y	122.5	0.01	2.48	3.85	3	27	8	96	0.00	0.0	2.267	0.055	11	3	1	2
PL.40633	PL.40606	C	6 A (CWC)	7.35Y	122.5	0.02	2.49	2.27	2	16	5	95	0.00	0.0	2.584	0.318	16	5	1	1
PL.40634	PL.40633	C	6 A (CWC)	7.35Y	122.5	0.00	2.49	0.00	0	0	0	100	0.00	0.0	2.965	0.381	0	0	0	0
PL.40804	PL.40634	C	6 A (CWC)	7.35Y	122.5	0.00	2.49	0.00	0	0	0	100	0.00	0.0	3.005	0.040	0	0	0	0
PL.40178	PL.40604	C	#2 ACSR	7.36Y	122.7	0.00	2.35	0.00	0	0	0	100	0.00	0.0	2.140	0.046	0	0	0	0
PL.40201	PL.63360	A	#2 ACSR	7.37Y	122.8	0.00	2.20	0.00	0	0	0	100	0.00	0.0	2.027	0.069	0	0	0	0
PL.63361	PL.63359	C	#1/0 ACSR	7.37Y	122.9	0.00	2.13	1.65	1	12	3	97	0.00	0.0	1.886	0.002	0	0	0	1
PD.9466	PL.63361	C	10T	7.37Y	122.9	0.00	2.13	1.65	0	12	3	97	0.00	0.0	1.886	0.002	0	0	0	1
PL.63362	PD.9466	C	#1/0 ACSR	7.37Y	122.9	0.00	2.13	1.65	1	12	3	97	0.00	0.0	1.907	0.021	12	3	1	1
PL.40279	PL.53127	A	#1/0 ACSR	7.38Y	123.0	0.00	1.99	0.96	0	7	2	96	0.00	0.0	1.761	0.006	0	0	0	2
PD.6303	PL.40279	A	40QA	7.38Y	123.0	0.00	1.99	0.96	2	7	2	96	0.00	0.0	1.761	0.006	0	0	0	2
PL.40280	PD.6303	A	#1/0 ACSR	7.38Y	123.0	0.00	1.99	0.96	0	7	2	96	0.00	0.0	1.798	0.037	7	2	2	2
PL.53126	PL.53129	C	#1/0 ACSR	7.39Y	123.2	0.00	1.80	5.29	2	38	11	96	0.00	0.0	1.589	0.006	0	0	0	10
PD.6304	PL.53126	C	40QA	7.39Y	123.2	0.00	1.80	5.29	13	38	11	96	0.00	0.0	1.589	0.006	0	0	0	10
PL.40272	PD.6304	C	#1/0 ACSR	7.39Y	123.2	0.02	1.82	5.29	2	38	11	96	0.00	0.0	1.750	0.161	7	2	1	10
PL.53130	PL.40272	C	#1/0 ACSR	7.39Y	123.2	0.00	1.82	4.31	2	31	9	96	0.00	0.0	1.785	0.035	0	0	0	9
PL.53131	PL.53130	C	#1/0 ACSR	7.39Y	123.2	0.00	1.83	3.17	1	22	7	95	0.00	0.0	1.852	0.067	0	0	0	8
PL.53137	PL.53131	C	#1/0 ACSR	7.39Y	123.2	0.01	1.83	3.17	1	22	7	95	0.00	0.0	1.943	0.092	11	3	2	8
PL.53138	PL.53137	C	#1/0 ACSR	7.39Y	123.2	0.00	1.83	0.11	0	1	0	100	0.00	0.0	1.999	0.056	1	0	2	2
PL.53139	PL.53137	C	#1/0 ACSR	7.39Y	123.2	0.00	1.84	1.50	1	11	3	96	0.00	0.0	2.045	0.102	0	0	1	4
PL.53140	PL.53139	C	#1/0 ACSR	7.39Y	123.2	0.00	1.84	1.50	1	11	3	96	0.00	0.0	2.252	0.206	11	3	2	3
PL.53135	PL.53140	C	6 A (CWC)	7.39Y	123.2	0.00	1.84	0.00	0	0	0	100	0.00	0.0	2.385	0.133	0	0	0	1
PL.53134	PL.53135	C	6 A (CWC)	7.39Y	123.2	0.00	1.84	0.00	0	0	0	100	0.00	0.0	2.479	0.094	0	0	1	1

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Source: Eberle

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----			
																KW	KVAR	Cons On	Cons Thru	
PL.53133	PL.53134	C	6 A (CWC)	7.39Y	123.2	0.00	1.84	0.00	0	0	0	100	0.00	0.0	2.516	0.037	0	0	0	0
PL.53132	PL.53130	C	#2 ACSR	7.39Y	123.2	0.00	1.83	1.14	1	8	2	97	0.00	0.0	1.877	0.093	8	2	1	1
PL.39125	PL.38292	A	#2 ACSR	7.40Y	123.4	0.00	1.63	1.56	1	11	3	96	0.00	0.0	1.435	0.006	0	0	0	1
PD.6305	PL.39125	A	40QA	7.40Y	123.4	0.00	1.63	1.56	4	11	3	96	0.00	0.0	1.435	0.006	0	0	0	1
PL.39126	PD.6305	A	#2 ACSR	7.40Y	123.4	0.00	1.63	1.56	1	11	3	96	0.00	0.0	1.479	0.044	11	3	1	1
PL.59240	PL.59238	C	#2 ACSR	7.44Y	124.0	0.00	0.98	1.18	1	8	2	97	0.00	0.0	0.853	0.004	0	0	0	1
PD.8676	PL.59240	C	40QA	7.44Y	124.0	0.00	0.98	1.18	3	8	2	97	0.00	0.0	0.853	0.004	0	0	0	1
PL.59237	PD.8676	C	#2 ACSR	7.44Y	124.0	0.00	0.98	1.18	1	8	2	97	0.00	0.0	0.960	0.106	0	0	0	1
PL.59236	PL.59237	C	#2 ACSR	7.44Y	124.0	0.01	0.99	1.18	1	8	2	97	0.00	0.0	1.127	0.168	0	0	0	1
PL.40269	PL.59236	C	#2 ACSR	7.44Y	124.0	0.00	0.99	1.18	1	8	2	97	0.00	0.0	1.257	0.129	8	2	1	1
PL.59235	PL.59237	C	#2 ACSR	7.44Y	124.0	0.00	0.98	0.00	0	0	0	100	0.00	0.0	1.053	0.093	0	0	0	0
PL.39676	PL.39675	A	#2 ACSR	7.50Y	124.9	0.00	0.08	1.54	1	11	3	96	0.00	0.0	0.074	0.006	0	0	0	1
PD.6334	PL.39676	A	40QA	7.50Y	124.9	0.00	0.08	1.54	4	11	3	96	0.00	0.0	0.074	0.006	0	0	0	1
PL.60720	PD.6334	A	#2 ACSR	7.50Y	124.9	0.00	0.08	1.54	1	11	3	96	0.00	0.0	0.114	0.039	11	3	1	1

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

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total		
KW	8797	0	0	0	0	0	201	0.00	8998	Lowest Voltage = 116.90 on Element PL.51851	
KVAR	2593	0	0	-2	0	0	371		2962	Max Accm VoltD = 8.10 on Element PL.51851	
										Max Elem VoltD = 0.45 on Element PL.40821	