Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
East Bernstadt		ABC	SRC-East B	7.50Y	125.0	0.00	0.00	875.23	0	18712	6138	95	0.00	0.0	0.000	0.000	0	0	0	2116
PL.62312	East Bernstadt	ABC	336 MCM AC	7.50Y	125.0	0.01	0.01	303.29	58	6520	2013	96	0.47	0.0	0.006	0.006	0	0	0	778
PL.62313	PL.62312	ABC	336 MCM AC	7.50Y	125.0	0.01	0.02	303.29	58	6520	2012	96	0.33	0.0	0.010	0.004	0	0	0	778
---------- Feeder No. 1 (Hazel Green F1) Beginning with Device PD.9315 ----------																				
PD.9315	PL.62313	ABC	480VWE	7.50Y	125.0	0.00	0.02	303.29	0	6520	2011	96	0.00	0.0	0.010	0.004	0	0	0	778
PL.62308	PD.9315	ABC	336 MCM AC	7.48Y	124.7	0.23	0.25	303.29	58	6520	2011	96	7.62	0.1	0.109	0.099	12	3	1	778
PL.35116	PL.62308	ABC	336 MCM AC	7.46Y	124.4	0.36	0.61	302.50	58	6495	1989	96	11.99	0.2	0.265	0.156	11	3	1	776
PL.35357	PL.35116	ABC	336 MCM AC	7.46Y	124.3	0.09	0.70	301.99	58	6471	1958	96	2.85	0.0	0.302	0.037	0	0	0	775
PL.35358	PL.35357	A	6 A (CWC)	7.46Y	124.3	0.00	0.70	0.44	0	3	1	95	0.00	0.0	0.302	0.000	0	0	0	1
PD.5176	PL.35358	A	75QA	7.46Y	124.3	0.00	0.70	0.44	1	3	1	95	0.00	0.0	0.302	0.000	0	0	0	1
PL.52478	PD.5176	A	6 A (CWC)	7.46Y	124.3	0.00	0.70	0.44	0	3	1	95	0.00	0.0	0.350	0.048	3	1	1	1
PL.33914	PL.35357	ABC	336 MCM AC	7.43Y	123.8	0.46	1.16	301.84	58	6465	1951	96	15.44	0.2	0.503	0.201	0	0	0	774
PL.36105	PL.33914	C	#4 ACSR	7.43Y	123.8	0.00	1.16	0.35	0	3	1	95	0.00	0.0	0.504	0.001	0	0	0	1
PD.5177	PL.36105	C	25T	7.43Y	123.8	0.00	1.16	0.35	0	3	1	95	0.00	0.0	0.504	0.001	0	0	0	1
PL.36108	PD.5177	C	#4 ACSR	7.43Y	123.8	0.00	1.16	0.35	0	3	1	95	0.00	0.0	0.549	0.045	3	1	1	1
PL.36110	PL.33914	ABC	336 MCM AC	7.42Y	123.7	0.14	1.31	301.72	58	6447	1914	96	4.78	0.1	0.565	0.062	13	3	1	773
PL.36111	PL.36110	ABC	336 MCM AC	7.41Y	123.5	0.16	1.47	301.11	58	6429	1900	96	5.48	0.1	0.637	0.072	0	0	0	772
PL.33901	PL.36111	C	#2 ACSR	7.41Y	123.5	0.00	1.47	0.00	0	0	0	100	0.00	0.0	0.727	0.090	0	0	0	0
PL.66244	PL.36111	ABC	336 MCM AC	7.40Y	123.4	0.14	1.61	301.11	58	6424	1887	96	4.67	0.1	0.698	0.061	0	0	1	772
PL.66245	PL.66244	ABC	336 MCM AC	7.40Y	123.3	0.05	1.65	301.11	58	6419	1876	96	1.54	0.0	0.718	0.020	0	0	0	771
PL.36117	PL.66245	ABC	336 MCM AC	7.39Y	123.1	0.20	1.86	298.91	58	6370	1862	96	6.81	0.1	0.809	0.090	0	0	0	764
PL.36118	PL.36117	C	6 A (CWC)	7.39Y	123.1	0.00	1.86	0.62	0	4	1	97	0.00	0.0	0.810	0.001	0	0	0	5
PD.5217	PL.36118	C	20T	7.39Y	123.1	0.00	1.86	0.62	0	4	1	97	0.00	0.0	0.810	0.001	0	0	0	5
PL.35058	PD.5217	C	6 A (CWC)	7.39Y	123.1	0.00	1.86	0.62	0	4	1	97	0.00	0.0	0.830	0.020	2	1	3	5
PL.36119	PL.35058	C	6 A (CWC)	7.39Y	123.1	0.00	1.86	0.31	0	2	1	89	0.00	0.0	0.919	0.089	0	0	1	2
PL.36120	PL.36119	C	6 A (CWC)	7.39Y	123.1	0.00	1.86	0.30	0	2	0	100	0.00	0.0	0.926	0.007	0	0	0	1
PL.35059	PL.36120	C	6 A (CWC)	7.39Y	123.1	0.00	1.86	0.30	0	2	0	100	0.00	0.0	1.004	0.078	2	0	1	1
PL.36121	PL.36117	ABC	336 MCM AC	7.38Y	122.9	0.22	2.08	298.70	58	6359	1845	96	7.45	0.1	0.908	0.099	0	0	0	759
PL.62469	PL.36121	C	#4 ACSR	7.38Y	122.9	0.00	2.08	1.24	1	9	2	98	0.00	0.0	0.911	0.003	0	0	0	1
PD.9347	PL.62469	C	25T	7.38Y	122.9	0.00	2.08	1.24	0	9	2	98	0.00	0.0	0.911	0.003	0	0	0	1

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

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.62470	PD.9347	C	#4 ACSR	7.38Y	122.9	0.00	2.08	1.24	1	9	2	98	0.00	0.0	0.942	0.031	9	2	1	1
PL.36122	PL.36121	ABC	336 MCM AC	7.36Y	122.7	0.18	2.26	298.29	57	6342	1825	96	5.98	0.1	0.988	0.080	0	0	0	758
PL.62061	PL.36122	C	6 A (CWC)	7.36Y	122.7	0.00	2.26	5.29	4	38	9	97	0.00	0.0	0.988	0.000	0	0	0	6
PD.9257	PL.62061	C	75QA	7.36Y	122.7	0.00	2.26	5.29	7	38	9	97	0.00	0.0	0.988	0.000	0	0	0	6
PL.61787	PD.9257	C	#1/0 ACSR	7.36Y	122.7	0.00	2.26	5.29	2	38	9	97	0.00	0.0	1.020	0.032	7	2	1	6
PL.61788	PL.61787	C	#1/0 ACSR	7.36Y	122.7	0.00	2.26	4.26	2	31	7	98	0.00	0.0	1.046	0.027	12	3	1	5
PL.62062	PL.61788	C	6 A (CWC)	7.36Y	122.7	0.00	2.27	2.58	2	19	4	98	0.00	0.0	1.096	0.049	19	4	4	4
PL.36123	PL.36122	ABC	336 MCM AC	7.35Y	122.5	0.19	2.45	296.53	57	6298	1803	96	6.46	0.1	1.075	0.087	5	1	1	752
PL.34626	PL.36123	C	#4 ACSR	7.35Y	122.5	0.00	2.45	1.30	1	9	2	98	0.00	0.0	1.112	0.037	9	2	1	1
PL.34003	PL.36123	C	#4 ACSR	7.35Y	122.5	0.00	2.45	7.63	6	55	13	97	0.00	0.0	1.076	0.001	0	0	0	7
PD.5818	PL.34003	C	75QA	7.35Y	122.5	0.00	2.45	7.63	10	55	13	97	0.00	0.0	1.076	0.001	0	0	0	7
PL.33674	PD.5818	C	#4 ACSR	7.35Y	122.5	0.02	2.48	7.63	6	55	13	97	0.01	0.0	1.153	0.078	5	1	1	7
PL.34004	PL.33674	C	#4 ACSR	7.35Y	122.5	0.01	2.49	6.95	5	50	12	97	0.00	0.0	1.190	0.037	29	7	2	6
PL.34638	PL.34004	C	#4 ACSR	7.35Y	122.5	0.01	2.49	2.89	2	21	5	97	0.00	0.0	1.270	0.080	12	3	2	4
PL.35177	PL.34638	C	#4 ACSR	7.35Y	122.5	0.00	2.49	0.60	0	4	1	97	0.00	0.0	1.327	0.057	4	1	1	1
PL.34639	PL.34638	C	#4 ACSR	7.35Y	122.5	0.00	2.49	0.56	0	4	1	97	0.00	0.0	1.324	0.054	4	1	1	1
PL.34466	PL.36123	ABC	336 MCM AC	7.35Y	122.4	0.11	2.56	293.32	57	6223	1771	96	3.58	0.1	1.124	0.049	0	0	0	743
PL.34642	PL.34466	A	6 A (CWC)	7.35Y	122.4	0.00	2.56	12.32	9	88	21	97	0.00	0.0	1.125	0.001	0	0	0	9
PD.5816	PL.34642	A	75QA	7.35Y	122.4	0.00	2.56	12.32	16	88	21	97	0.00	0.0	1.125	0.001	0	0	0	9
PL.34464	PD.5816	A	6 A (CWC)	7.34Y	122.4	0.03	2.59	12.32	9	88	21	97	0.02	0.0	1.172	0.047	0	0	0	9
PL.34822	PL.34464	A	6 A (CWC)	7.34Y	122.4	0.04	2.62	8.93	6	64	15	97	0.02	0.0	1.269	0.097	9	2	1	7
PL.35785	PL.34822	A	6 A (CWC)	7.34Y	122.4	0.00	2.63	2.04	1	15	3	98	0.00	0.0	1.324	0.055	15	3	2	2
PL.34823	PL.34822	A	6 A (CWC)	7.34Y	122.4	0.02	2.65	5.68	4	41	9	98	0.01	0.0	1.353	0.084	0	0	0	4
PL.35043	PL.34823	A	6 A (CWC)	7.34Y	122.4	0.00	2.65	1.52	1	11	3	96	0.00	0.0	1.396	0.043	11	3	1	1
PL.34797	PL.35043	A	6 A (CWC)	7.34Y	122.4	0.00	2.65	0.00	0	0	0	100	0.00	0.0	1.427	0.031	0	0	0	0
PL.34800	PL.34823	A	6 A (CWC)	7.34Y	122.3	0.01	2.65	2.42	2	17	4	97	0.00	0.0	1.457	0.103	17	4	1	1
PL.35212	PL.34800	A	6 A (CWC)	7.34Y	122.3	0.00	2.65	0.00	0	0	0	100	0.00	0.0	1.502	0.045	0	0	0	0
PL.34986	PL.34823	A	#2 ACSR	7.34Y	122.4	0.00	2.65	0.24	0	2	0	100	0.00	0.0	1.376	0.023	2	0	1	1
PL.34798	PL.34823	A	#2 ACSR	7.34Y	122.4	0.00	2.65	1.50	1	11	2	98	0.00	0.0	1.386	0.033	11	2	1	1
PL.34799	PL.34798	A	#2 ACSR	7.34Y	122.4	0.00	2.65	0.00	0	0	0	100	0.00	0.0	1.431	0.045	0	0	0	0
PL.34462	PL.34464	A	#4 ACSR	7.34Y	122.4	0.00	2.59	3.39	3	24	6	97	0.00	0.0	1.214	0.042	12	3	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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.34463	PL.34462	A	#4 ACSR	7.34Y	122.4	0.00	2.59	1.66	1	12	3	97	0.00	0.0	1.262	0.048	12	3	1	1
PL.34260	PL.34466	ABC	336 MCM AC	7.34Y	122.4	0.05	2.61	287.92	55	6103	1736	96	1.52	0.0	1.146	0.022	67	33	1	730
PL.34261	PL.34260	ABC	336 MCM AC	7.34Y	122.3	0.11	2.72	284.57	55	6034	1700	96	3.56	0.1	1.199	0.052	27	6	4	729
PL.34643	PL.34261	C	#4 ACSR	7.34Y	122.3	0.00	2.72	3.82	3	27	6	98	0.00	0.0	1.199	0.000	0	0	0	4
PD.5820	PL.34643	C	75QA	7.34Y	122.3	0.00	2.72	3.82	5	27	6	98	0.00	0.0	1.199	0.000	0	0	0	4
PL.34644	PD.5820	C	#4 ACSR	7.34Y	122.3	0.01	2.73	3.82	3	27	6	98	0.00	0.0	1.266	0.067	27	6	4	4
PL.35411	PL.34261	ABC	336 MCM AC	7.33Y	122.1	0.19	2.91	282.03	54	5976	1679	96	6.20	0.1	1.291	0.093	10	2	2	721
PL.35412	PL.35411	ABC	336 MCM AC	7.32Y	122.0	0.13	3.05	281.56	54	5960	1662	96	4.22	0.1	1.355	0.063	4	1	1	719
PL.34627	PL.35412	A	#4 ACSR	7.32Y	122.0	0.00	3.05	16.61	13	118	28	97	0.00	0.0	1.355	0.000	0	0	0	17
PD.5761	PL.34627	A	75QA	7.32Y	122.0	0.00	3.05	16.61	22	118	28	97	0.00	0.0	1.355	0.000	0	0	0	17
PL.34239	PD.5761	A	#4 ACSR	7.31Y	121.9	0.05	3.10	16.61	13	118	28	97	0.05	0.0	1.430	0.075	13	3	2	17
PL.34930	PL.34239	A	#4 ACSR	7.31Y	121.9	0.01	3.11	12.04	9	86	20	97	0.00	0.0	1.446	0.015	10	2	1	13
PL.34374	PL.34930	A	#4 ACSR	7.31Y	121.9	0.03	3.14	10.69	8	76	18	97	0.02	0.0	1.524	0.079	19	5	2	12
PL.34432	PL.34374	A	#2 ACSR	7.31Y	121.9	0.00	3.14	1.06	1	8	2	97	0.00	0.0	1.547	0.022	8	2	3	3
PL.34375	PL.34374	A	#4 ACSR	7.31Y	121.9	0.01	3.15	6.91	5	49	11	98	0.00	0.0	1.566	0.042	28	7	5	7
PL.35023	PL.34375	A	#2 ACSR	7.31Y	121.9	0.00	3.15	0.00	0	0	0	100	0.00	0.0	1.587	0.021	0	0	0	0
PL.34376	PL.34375	A	#4 ACSR	7.31Y	121.8	0.00	3.15	2.97	2	21	5	97	0.00	0.0	1.625	0.059	21	5	2	2
PL.35024	PL.34239	A	6 A (CWC)	7.31Y	121.9	0.01	3.11	2.71	2	19	4	98	0.00	0.0	1.530	0.100	19	4	2	2
PL.34377	PL.35412	ABC	336 MCM AC	7.31Y	121.8	0.15	3.19	274.77	53	5811	1618	96	4.55	0.1	1.426	0.072	20	5	2	698
PL.34378	PL.34377	A	#4 ACSR	7.31Y	121.8	0.00	3.19	3.34	3	24	6	97	0.00	0.0	1.427	0.000	0	0	0	4
PD.5711	PL.34378	A	75QA	7.31Y	121.8	0.00	3.19	3.34	4	24	6	97	0.00	0.0	1.427	0.000	0	0	0	4
PL.34076	PD.5711	A	#4 ACSR	7.31Y	121.8	0.00	3.20	3.34	3	24	6	97	0.00	0.0	1.476	0.050	22	5	3	4
PL.34077	PL.34076	A	#4 ACSR	7.31Y	121.8	0.00	3.20	0.21	0	1	0	100	0.00	0.0	1.507	0.031	1	0	1	1
PL.34379	PL.34377	ABC	336 MCM AC	7.30Y	121.7	0.07	3.26	272.71	53	5762	1597	96	2.03	0.0	1.459	0.032	21	5	2	692
PL.34380	PL.34379	ABC	336 MCM AC	7.29Y	121.6	0.18	3.44	271.72	52	5739	1588	96	5.58	0.1	1.549	0.090	29	7	3	690
PL.34438	PL.34380	ABC	336 MCM AC	7.28Y	121.4	0.18	3.62	269.82	52	5693	1565	96	5.57	0.1	1.639	0.091	0	0	0	686
PL.35620	PL.34438	ABC	336 MCM AC	7.28Y	121.3	0.08	3.70	269.43	52	5679	1550	96	2.31	0.0	1.677	0.038	7	2	1	685
PL.34385	PL.35620	ABC	336 MCM AC	7.27Y	121.2	0.09	3.78	269.12	52	5670	1544	96	2.73	0.0	1.722	0.045	0	0	0	684
PL.34404	PL.34385	ABC	336 MCM AC	7.26Y	121.1	0.14	3.92	268.35	52	5651	1533	97	4.22	0.1	1.792	0.070	11	3	1	681
PL.34478	PL.34404	C	#1/0 ACSR	7.26Y	121.1	0.00	3.92	1.48	1	10	2	98	0.00	0.0	1.817	0.026	10	2	1	1
PL.34405	PL.34404	ABC	336 MCM AC	7.25Y	120.8	0.24	4.16	267.34	52	5625	1518	97	7.37	0.1	1.914	0.122	0	0	0	679

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Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.34406	PL.34405	ABC	336 MCM AC	7.24Y	120.7	0.17	4.33	267.34	52	5618	1501	97	5.20	0.1	2.001	0.086	0	0	0	679
PL.34407	PL.34406	A	6 A (CWC)	7.24Y	120.7	0.00	4.33	1.03	1	7	2	96	0.00	0.0	2.002	0.001	0	0	0	1
PD.5821	PL.34407	A	75QA	7.24Y	120.7	0.00	4.33	1.03	1	7	2	96	0.00	0.0	2.002	0.001	0	0	0	1
PL.34408	PD.5821	A	6 A (CWC)	7.24Y	120.7	0.00	4.33	1.03	1	7	2	96	0.00	0.0	2.064	0.062	7	2	1	1
PL.34409	PL.34406	ABC	336 MCM AC	7.24Y	120.6	0.08	4.41	267.00	51	5605	1487	97	2.40	0.0	2.041	0.040	0	0	2	678
PL.34410	PL.34409	ABC	336 MCM AC	7.23Y	120.5	0.09	4.50	266.97	51	5602	1482	97	2.79	0.0	2.087	0.046	0	0	0	676
PL.34191	PL.34410	C	#4 ACSR	7.23Y	120.5	0.00	4.50	0.42	0	3	1	95	0.00	0.0	2.148	0.061	3	1	1	1
PL.35414	PL.34410	ABC	336 MCM AC	7.22Y	120.4	0.09	4.59	252.63	49	5296	1404	97	2.58	0.0	2.135	0.048	15	4	3	630
PL.34413	PL.35414	ABC	336 MCM AC	7.22Y	120.4	0.03	4.63	251.82	49	5277	1394	97	1.00	0.0	2.154	0.019	0	0	0	626
PL.34414	PL.34413	ABC	336 MCM AC	7.22Y	120.4	0.00	4.63	251.82	49	5276	1392	97	0.01	0.0	2.154	0.000	0	0	0	626
PL.59929	PL.34414	ABC	336 MCM AC	7.21Y	120.2	0.15	4.78	251.82	49	5276	1392	97	4.48	0.1	2.238	0.084	14	3	2	626
PL.59930	PL.59929	ABC	336 MCM AC	7.21Y	120.2	0.07	4.85	145.58	28	3037	839	96	1.16	0.0	2.303	0.065	13	3	3	336
PL.34275	PL.59930	ABC	336 MCM AC	7.20Y	120.1	0.07	4.92	144.95	28	3022	833	96	1.11	0.0	2.366	0.063	0	0	0	333
PL.34415	PL.34275	ABC	336 MCM AC	7.19Y	119.8	0.29	5.21	144.95	28	3021	830	96	4.83	0.2	2.640	0.274	19	4	3	333
PL.34416	PL.34415	A	#4 ACSR	7.19Y	119.8	0.00	5.21	1.09	1	8	2	97	0.00	0.0	2.641	0.000	0	0	0	1
PD.5219	PL.34416	A	75QA	7.19Y	119.8	0.00	5.21	1.09	1	8	2	97	0.00	0.0	2.641	0.000	0	0	0	1
PL.33409	PD.5219	A	#4 ACSR	7.19Y	119.8	0.00	5.21	1.09	1	8	2	97	0.00	0.0	2.650	0.009	0	0	0	1
PL.33410	PL.33409	A	#4 ACSR	7.19Y	119.8	0.00	5.21	1.09	1	8	2	97	0.00	0.0	2.704	0.054	8	2	1	1
PL.34419	PL.34415	ABC	336 MCM AC	7.18Y	119.7	0.07	5.28	143.69	28	2990	813	96	1.18	0.0	2.708	0.068	0	0	0	329
PL.34359	PL.34419	ABC	336 MCM AC	7.18Y	119.7	0.06	5.34	142.99	28	2974	807	97	0.98	0.0	2.765	0.057	14	3	1	328
PL.34360	PL.34359	ABC	336 MCM AC	7.17Y	119.5	0.21	5.55	141.26	27	2936	796	97	3.30	0.1	2.963	0.198	28	7	3	323
PL.36014	PL.34360	ABC	#4 ACSR	7.17Y	119.4	0.00	5.55	5.98	5	125	29	97	0.00	0.0	2.988	0.024	25	6	1	11
PL.36015	PL.36014	ABC	#4 ACSR	7.17Y	119.4	0.00	5.55	4.78	4	100	23	97	0.00	0.0	2.993	0.005	0	0	0	10
PL.34189	PL.36015	B	#4 ACSR	7.17Y	119.4	0.00	5.55	14.34	11	100	23	97	0.00	0.0	2.993	0.000	0	0	0	10
PD.5849	PL.34189	B	60QA	7.17Y	119.4	0.00	5.55	14.34	24	100	23	97	0.00	0.0	2.993	0.000	0	0	0	10
PL.34423	PD.5849	B	#4 ACSR	7.16Y	119.4	0.04	5.59	14.34	11	100	23	97	0.03	0.0	3.056	0.063	17	4	2	10
PL.34037	PL.34423	B	#4 ACSR	7.16Y	119.4	0.00	5.59	1.84	1	13	3	97	0.00	0.0	3.101	0.045	13	3	1	1
PL.34890	PL.34423	B	#4 ACSR	7.16Y	119.4	0.00	5.59	1.09	1	8	2	97	0.00	0.0	3.099	0.044	8	2	1	1
PL.34453	PL.34423	B	#4 ACSR	7.16Y	119.4	0.00	5.59	2.16	2	15	4	97	0.00	0.0	3.085	0.030	15	4	1	1
PL.34424	PL.34423	B	#4 ACSR	7.16Y	119.4	0.02	5.61	6.87	5	48	11	97	0.01	0.0	3.138	0.082	11	2	1	5
PL.34425	PL.34424	B	#4 ACSR	7.16Y	119.4	0.00	5.61	2.24	2	16	4	97	0.00	0.0	3.156	0.018	16	4	2	2

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.36635	PL.34424	B	#2 ACSR	7.16Y	119.4	0.00	5.61	3.11	2	22	5	98	0.00	0.0	3.155	0.017	0	0	0	2
PL.36636	PL.36635	B	#2 ACSR	7.16Y	119.4	0.00	5.61	3.11	2	22	5	98	0.00	0.0	3.167	0.012	22	5	2	2
PL.34426	PL.34360	ABC	336 MCM AC	7.16Y	119.4	0.05	5.59	133.94	26	2780	753	97	0.69	0.0	3.009	0.046	1	0	1	309
PL.34811	PL.34426	C	#2 ACSR	7.16Y	119.4	0.00	5.59	1.69	1	12	3	97	0.00	0.0	3.046	0.037	12	3	1	1
PL.34078	PL.34426	ABC	336 MCM AC	7.16Y	119.3	0.06	5.66	133.32	26	2766	748	97	0.98	0.0	3.074	0.065	0	0	0	307
PL.34084	PL.34078	A	#2 ACSR	7.16Y	119.3	0.00	5.66	3.45	2	24	6	97	0.00	0.0	3.080	0.005	0	0	0	3
PD.5765	PL.34084	A	75QA	7.16Y	119.3	0.00	5.66	3.45	5	24	6	97	0.00	0.0	3.080	0.005	0	0	0	3
PL.34085	PD.5765	A	#2 ACSR	7.16Y	119.3	0.00	5.66	3.45	2	24	6	97	0.00	0.0	3.096	0.016	24	6	3	3
PL.36124	PL.34078	ABC	336 MCM AC	7.16Y	119.3	0.06	5.71	130.64	25	2709	733	97	0.85	0.0	3.134	0.059	0	0	0	302
PL.35625	PL.36124	ABC	336 MCM AC	7.15Y	119.2	0.04	5.75	128.96	25	2673	722	97	0.54	0.0	3.173	0.039	15	3	2	298
PL.36125	PL.35625	ABC	336 MCM AC	7.15Y	119.2	0.04	5.79	128.26	25	2658	718	97	0.55	0.0	3.212	0.040	7	2	2	296
PL.36126	PL.36125	ABC	336 MCM AC	7.15Y	119.1	0.07	5.86	127.91	25	2650	715	97	1.08	0.0	3.292	0.079	33	8	6	294
PL.36127	PL.36126	ABC	336 MCM AC	7.14Y	119.1	0.07	5.93	126.32	24	2616	705	97	1.00	0.0	3.366	0.075	0	0	1	288
PL.35687	PL.36127	ABC	#1/0 ACSR	7.14Y	119.0	0.02	5.95	25.12	11	524	122	97	0.08	0.0	3.413	0.046	0	0	0	63
PL.36128	PL.35687	ABC	#1/0 ACSR	7.14Y	119.0	0.00	5.95	25.12	11	524	122	97	0.00	0.0	3.413	0.000	0	0	0	63
PD.5790	PL.36128	ABC	70L	7.14Y	119.0	0.00	5.95	25.12	36	524	122	97	0.00	0.0	3.413	0.000	0	0	0	63
PL.34778	PD.5790	ABC	#1/0 ACSR	7.14Y	119.0	0.01	5.97	25.12	11	524	122	97	0.05	0.0	3.447	0.034	24	6	3	63
PL.34263	PL.34778	A	#2 ACSR	7.14Y	119.0	0.00	5.97	2.58	1	18	4	98	0.00	0.0	3.447	0.000	0	0	0	2
PD.5267	PL.34263	A	40QA	7.14Y	119.0	0.00	5.97	2.58	6	18	4	98	0.00	0.0	3.447	0.000	0	0	0	2
PL.34264	PD.5267	A	#2 ACSR	7.14Y	119.0	0.00	5.97	2.58	1	18	4	98	0.00	0.0	3.461	0.014	18	4	2	2
PL.36129	PL.34778	ABC	#1/0 ACSR	7.14Y	119.0	0.03	6.00	23.12	10	482	113	97	0.10	0.0	3.515	0.068	0	0	0	58
PL.52596	PL.36129	ABC	#1/0 ACSR	7.14Y	119.0	0.02	6.02	23.12	10	482	112	97	0.07	0.0	3.569	0.054	11	3	1	58
PL.52597	PL.52596	A	#2 ACSR	7.14Y	119.0	0.00	6.02	4.52	3	31	7	98	0.00	0.0	3.569	0.000	0	0	0	3
PD.5190	PL.52597	A	40QA	7.14Y	119.0	0.00	6.02	4.52	11	31	7	98	0.00	0.0	3.569	0.000	0	0	0	3
PL.33692	PD.5190	A	#2 ACSR	7.14Y	119.0	0.01	6.02	4.52	3	31	7	98	0.00	0.0	3.615	0.045	8	2	1	3
PL.59926	PL.33692	A	#2 ACSR	7.14Y	119.0	0.01	6.03	3.36	2	23	5	98	0.00	0.0	3.690	0.075	11	3	1	2
PL.59927	PL.59926	A	#2 ACSR	7.14Y	119.0	0.00	6.03	1.71	1	12	3	97	0.00	0.0	3.730	0.040	12	3	1	1
PL.52599	PL.52596	ABC	#1/0 ACSR	7.14Y	119.0	0.02	6.03	21.08	9	440	102	97	0.05	0.0	3.612	0.044	10	2	1	54
PL.52598	PL.52599	ABC	#1/0 ACSR	7.14Y	118.9	0.02	6.05	12.96	6	270	63	97	0.03	0.0	3.689	0.076	0	0	0	37
PL.52595	PL.52598	ABC	#1/0 ACSR	7.14Y	118.9	0.01	6.06	10.16	4	212	49	97	0.02	0.0	3.761	0.073	0	0	0	24
PL.52486	PL.52595	A	#4 ACSR	7.14Y	118.9	0.00	6.06	2.53	2	18	4	98	0.00	0.0	3.762	0.001	0	0	0	2

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.8035	PL.52486	A	40QA	7.14Y	118.9	0.00	6.06	2.53	6	18	4	98	0.00	0.0	3.762	0.001	0	0	0	2
PL.52553	PD.8035	A	#4 ACSR	7.14Y	118.9	0.00	6.06	2.53	2	18	4	98	0.00	0.0	3.786	0.023	18	4	2	2
PL.52485	PL.52595	C	#2 ACSR	7.14Y	118.9	0.00	6.06	3.58	2	25	6	97	0.00	0.0	3.762	0.001	0	0	0	3
PD.8034	PL.52485	C	40QA	7.14Y	118.9	0.00	6.06	3.58	9	25	6	97	0.00	0.0	3.762	0.001	0	0	0	3
PL.52344	PD.8034	C	#2 ACSR	7.14Y	118.9	0.01	6.07	3.58	2	25	6	97	0.00	0.0	3.849	0.087	0	0	0	3
PL.52477	PL.52344	C	#2 ACSR	7.14Y	118.9	0.00	6.07	0.00	0	0	0	100	0.00	0.0	3.912	0.062	0	0	0	0
PL.52493	PL.52344	C	#2 ACSR	7.14Y	118.9	0.01	6.08	3.58	2	25	6	97	0.00	0.0	3.925	0.075	13	3	2	3
PL.52494	PL.52493	C	#2 ACSR	7.14Y	118.9	0.00	6.08	1.65	1	11	3	96	0.00	0.0	3.959	0.035	11	3	1	1
PL.52487	PL.52595	ABC	#1/0 ACSR	7.13Y	118.9	0.04	6.10	8.12	4	169	39	97	0.05	0.0	4.029	0.267	0	0	0	19
PL.52488	PL.52487	C	#2 ACSR	7.13Y	118.9	0.00	6.10	1.27	1	9	2	98	0.00	0.0	4.031	0.002	0	0	0	1
PD.8041	PL.52488	C	40QA	7.13Y	118.9	0.00	6.10	1.27	3	9	2	98	0.00	0.0	4.031	0.002	0	0	0	1
PL.52571	PD.8041	C	#2 ACSR	7.13Y	118.9	0.00	6.10	1.27	1	9	2	98	0.00	0.0	4.072	0.042	9	2	1	1
PL.52554	PL.52487	ABC	#1/0 ACSR	7.13Y	118.9	0.01	6.11	7.70	3	160	37	97	0.01	0.0	4.074	0.046	0	0	0	18
PL.52565	PL.52554	ABC	#1/0 ACSR	7.13Y	118.9	0.00	6.11	7.70	3	160	37	97	0.00	0.0	4.104	0.030	9	2	2	18
PL.56754	PL.52565	C	#1/0 ACSR	7.13Y	118.9	0.00	6.11	8.41	4	58	14	97	0.00	0.0	4.106	0.002	0	0	0	6
PD.8328	PL.56754	C	40QA	7.13Y	118.9	0.00	6.11	8.41	21	58	14	97	0.00	0.0	4.106	0.002	0	0	0	6
PL.56755	PD.8328	C	#1/0 ACSR	7.13Y	118.9	0.00	6.12	8.41	4	58	14	97	0.00	0.0	4.128	0.021	12	3	1	6
PL.52562	PL.56755	C	#4 ACSR	7.13Y	118.9	0.01	6.12	5.67	4	39	9	97	0.00	0.0	4.177	0.050	20	5	2	4
PL.52563	PL.52562	C	#4 ACSR	7.13Y	118.9	0.00	6.13	1.51	1	10	2	98	0.00	0.0	4.298	0.121	10	2	1	1
PL.64129	PL.52562	C	#2 ACSR	7.13Y	118.9	0.00	6.13	1.32	1	9	2	98	0.00	0.0	4.195	0.017	9	2	1	1
PL.52570	PL.56755	C	#2 ACSR	7.13Y	118.9	0.00	6.12	0.97	1	7	2	96	0.00	0.0	4.148	0.020	7	2	1	1
PL.52566	PL.52565	ABC	#1/0 ACSR	7.13Y	118.9	0.00	6.12	2.74	1	57	13	97	0.00	0.0	4.198	0.094	0	0	0	6
PL.52540	PL.52566	ABC	#1/0 ACSR	7.13Y	118.9	0.00	6.12	2.28	1	48	11	97	0.00	0.0	4.250	0.053	0	0	0	5
PL.52531	PL.52540	ABC	#1/0 ACSR	7.13Y	118.9	0.00	6.12	1.65	1	34	8	97	0.00	0.0	4.299	0.048	0	0	0	3
PL.52541	PL.52531	B	#1/0 ACSR	7.13Y	118.9	0.00	6.12	4.95	2	34	8	97	0.00	0.0	4.301	0.002	0	0	0	3
PD.8042	PL.52541	B	40QA	7.13Y	118.9	0.00	6.12	4.95	12	34	8	97	0.00	0.0	4.301	0.002	0	0	0	3
PL.52593	PD.8042	B	#1/0 ACSR	7.13Y	118.9	0.02	6.14	4.95	2	34	8	97	0.00	0.0	4.585	0.284	34	8	3	3
PL.52591	PL.52593	B	6 A (CWC)	7.13Y	118.9	0.00	6.14	0.00	0	0	0	100	0.00	0.0	4.759	0.175	0	0	0	0
PL.52592	PL.52591	B	6 A (CWC)	7.13Y	118.9	0.00	6.14	0.00	0	0	0	100	0.00	0.0	5.095	0.335	0	0	0	0
PL.52532	PL.52531	ABC	#1/0 ACSR	7.13Y	118.9	0.00	6.12	0.00	0	0	0	100	0.00	0.0	4.350	0.051	0	0	0	0
PL.52529	PL.52540	A	#4 ACSR	7.13Y	118.9	0.00	6.12	1.89	1	13	3	97	0.00	0.0	4.253	0.003	0	0	0	2

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.8037	PL.52529	A	40QA	7.13Y	118.9	0.00	6.12	1.89	5	13	3	97	0.00	0.0	4.253	0.003	0	0	0	2
PL.52496	PD.8037	A	#4 ACSR	7.13Y	118.9	0.00	6.12	1.89	1	13	3	97	0.00	0.0	4.291	0.038	0	0	0	2
PL.52528	PL.52496	A	#4 ACSR	7.13Y	118.9	0.00	6.13	1.89	1	13	3	97	0.00	0.0	4.336	0.045	0	0	1	2
PL.52530	PL.52528	A	#4 ACSR	7.13Y	118.9	0.00	6.13	1.89	1	13	3	97	0.00	0.0	4.380	0.044	13	3	1	1
PL.52539	PL.52566	A	#2 ACSR	7.13Y	118.9	0.00	6.12	1.37	1	9	2	98	0.00	0.0	4.200	0.002	0	0	0	1
PD.8036	PL.52539	A	40QA	7.13Y	118.9	0.00	6.12	1.37	3	9	2	98	0.00	0.0	4.200	0.002	0	0	0	1
PL.52495	PD.8036	A	#2 ACSR	7.13Y	118.9	0.00	6.12	1.37	1	9	2	98	0.00	0.0	4.220	0.021	9	2	1	1
PL.52558	PL.52565	C	#2 ACSR	7.13Y	118.9	0.00	6.11	5.16	3	36	8	98	0.00	0.0	4.118	0.014	36	8	4	4
PL.52594	PL.52598	A	#2 ACSR	7.14Y	118.9	0.00	6.05	8.39	5	58	13	98	0.00	0.0	3.690	0.001	0	0	0	13
PD.8039	PL.52594	A	40QA	7.14Y	118.9	0.00	6.05	8.39	21	58	13	98	0.00	0.0	3.690	0.001	0	0	0	13
PL.52480	PD.8039	A	#2 ACSR	7.14Y	118.9	0.00	6.05	8.39	5	58	13	98	0.00	0.0	3.705	0.015	0	0	0	13
PL.52475	PL.52480	A	#2 ACSR	7.14Y	118.9	0.01	6.06	8.39	5	58	13	98	0.00	0.0	3.737	0.032	6	1	2	13
PL.52476	PL.52475	A	#2 ACSR	7.14Y	118.9	0.01	6.07	7.48	4	52	12	97	0.00	0.0	3.767	0.030	0	0	0	11
PL.59193	PL.52476	A	6 A (CWC)	7.14Y	118.9	0.01	6.08	7.48	5	52	12	97	0.00	0.0	3.789	0.023	9	2	1	11
PL.59196	PL.59193	A	6 A (CWC)	7.13Y	118.9	0.01	6.09	6.18	4	43	10	97	0.00	0.0	3.831	0.041	9	2	1	10
PL.59197	PL.59196	A	6 A (CWC)	7.13Y	118.9	0.01	6.09	4.92	4	34	8	97	0.00	0.0	3.868	0.037	9	2	2	9
PL.59195	PL.59197	A	#2 ACSR	7.13Y	118.9	0.00	6.09	0.11	0	1	0	100	0.00	0.0	3.895	0.028	0	0	0	2
PL.34710	PL.59195	A	#2 ACSR	7.13Y	118.9	0.00	6.09	0.11	0	1	0	100	0.00	0.0	3.918	0.023	0	0	1	2
PL.62058	PL.34710	A	#1/0 ACSR	7.13Y	118.9	0.00	6.09	0.11	0	1	0	100	0.00	0.0	3.957	0.039	1	0	1	1
PL.59194	PL.59197	A	6 A (CWC)	7.13Y	118.9	0.01	6.11	3.55	3	25	6	97	0.00	0.0	3.952	0.084	0	0	0	5
PL.35165	PL.59194	A	6 A (CWC)	7.13Y	118.9	0.01	6.11	3.09	2	21	5	97	0.00	0.0	3.990	0.038	2	0	1	4
PL.34711	PL.35165	A	6 A (CWC)	7.13Y	118.9	0.01	6.13	2.81	2	19	5	97	0.00	0.0	4.108	0.118	0	0	1	3
PL.34712	PL.34711	A	6 A (CWC)	7.13Y	118.9	0.00	6.13	2.81	2	19	5	97	0.00	0.0	4.133	0.025	19	5	2	2
PL.62684	PL.59194	A	1/0 AL URD	7.13Y	118.9	0.00	6.11	0.46	0	3	1	95	0.00	0.0	3.986	0.034	3	1	1	1
PL.52600	PL.52599	A	6 A (CWC)	7.14Y	119.0	0.00	6.03	22.86	16	159	37	97	0.00	0.0	3.614	0.001	0	0	0	16
PD.7971	PL.52600	A	40QA	7.14Y	119.0	0.00	6.03	22.86	57	159	37	97	0.00	0.0	3.614	0.001	0	0	0	16
PL.52601	PD.7971	A	6 A (CWC)	7.14Y	119.0	0.01	6.04	22.86	16	159	37	97	0.01	0.0	3.624	0.010	21	5	2	16
PL.33693	PL.52601	A	6 A (CWC)	7.13Y	118.9	0.08	6.12	19.91	14	138	32	97	0.08	0.1	3.716	0.093	10	2	1	14
PL.35735	PL.33693	A	6 A (CWC)	7.13Y	118.8	0.06	6.19	18.52	13	129	30	97	0.06	0.0	3.792	0.076	11	3	2	13
PL.35734	PL.35735	A	6 A (CWC)	7.13Y	118.8	0.02	6.21	16.97	12	118	27	97	0.02	0.0	3.821	0.029	16	4	1	11
PL.35736	PL.35734	A	6 A (CWC)	7.13Y	118.8	0.03	6.23	14.62	10	101	24	97	0.02	0.0	3.866	0.045	10	2	1	10

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.35737	PL.35736	A	6 A (CWC)	7.12Y	118.7	0.02	6.25	13.12	9	91	21	97	0.01	0.0	3.902	0.035	16	4	2	9
PL.33768	PL.35737	A	6 A (CWC)	7.12Y	118.7	0.00	6.25	1.34	1	9	2	98	0.00	0.0	3.945	0.043	9	2	1	1
PL.34112	PL.35737	A	6 A (CWC)	7.12Y	118.7	0.02	6.27	9.41	7	65	15	97	0.01	0.0	3.948	0.047	11	3	1	6
PL.34113	PL.34112	A	6 A (CWC)	7.12Y	118.7	0.01	6.28	7.83	6	54	13	97	0.01	0.0	3.986	0.038	0	0	0	5
PL.34114	PL.34113	A	6 A (CWC)	7.12Y	118.7	0.00	6.29	3.33	2	23	5	98	0.00	0.0	4.008	0.022	0	0	0	2
PL.34117	PL.34114	A	6 A (CWC)	7.12Y	118.7	0.00	6.29	1.63	1	11	3	96	0.00	0.0	4.043	0.035	11	3	1	1
PL.34953	PL.34114	A	6 A (CWC)	7.12Y	118.7	0.00	6.29	1.70	1	12	3	97	0.00	0.0	4.035	0.027	12	3	1	1
PL.34875	PL.34113	A	6 A (CWC)	7.12Y	118.7	0.01	6.29	4.50	3	31	7	98	0.00	0.0	4.020	0.033	0	0	0	3
PL.34118	PL.34875	A	6 A (CWC)	7.12Y	118.7	0.01	6.30	4.50	3	31	7	98	0.00	0.0	4.052	0.033	11	3	1	3
PL.34709	PL.34118	A	6 A (CWC)	7.12Y	118.7	0.00	6.30	2.84	2	20	5	97	0.00	0.0	4.094	0.041	20	5	2	2
PL.64365	PL.36129	A	#2 ACSR	7.14Y	119.0	0.00	6.00	0.00	0	0	0	100	0.00	0.0	3.517	0.001	0	0	0	0
PD.9533	PL.64365	A	30T	7.14Y	119.0	0.00	6.00	0.00	0	0	0	100	0.00	0.0	3.517	0.001	0	0	0	0
PL.64366	PD.9533	A	#2 ACSR	7.14Y	119.0	0.00	6.00	0.00	0	0	0	100	0.00	0.0	3.537	0.020	0	0	0	0
PL.64367	PL.36129	A	#2 ACSR	7.14Y	119.0	0.00	6.00	0.00	0	0	0	100	0.00	0.0	3.517	0.002	0	0	0	0
PD.9534	PL.64367	A	30T	7.14Y	119.0	0.00	6.00	0.00	0	0	0	100	0.00	0.0	3.517	0.002	0	0	0	0
PL.64368	PD.9534	A	#2 ACSR	7.14Y	119.0	0.00	6.00	0.00	0	0	0	100	0.00	0.0	3.532	0.016	0	0	0	0
PL.35189	PL.36127	ABC	336 MCM AC	7.14Y	119.0	0.08	6.01	80.06	15	1670	395	97	0.73	0.0	3.501	0.135	0	0	0	212
PL.36477	PL.35189	ABC	336 MCM AC	7.14Y	119.0	0.02	6.03	44.31	9	924	218	97	0.10	0.0	3.559	0.058	0	0	0	117
PL.62592	PL.36477	B	#2 ACSR	7.14Y	119.0	0.00	6.03	6.60	4	46	11	97	0.00	0.0	3.563	0.003	0	0	0	5
PD.9395	PL.62592	B	20T	7.14Y	119.0	0.00	6.03	6.60	0	46	11	97	0.00	0.0	3.563	0.003	0	0	0	5
PL.62593	PD.9395	B	#2 ACSR	7.14Y	119.0	0.00	6.03	6.60	4	46	11	97	0.00	0.0	3.582	0.019	8	2	2	5
PL.59121	PL.62593	B	#2 ACSR	7.14Y	119.0	0.01	6.04	5.43	3	38	9	97	0.00	0.0	3.679	0.096	38	9	3	3
PL.35221	PL.36477	ABC	336 MCM AC	7.14Y	118.9	0.04	6.06	42.11	8	878	207	97	0.18	0.0	3.678	0.118	0	0	0	112
PL.35222	PL.35221	ABC	336 MCM AC	7.13Y	118.9	0.05	6.11	41.51	8	865	204	97	0.24	0.0	3.843	0.165	0	0	0	111
PL.37143	PL.35222	ABC	#2 ACSR	7.13Y	118.9	0.00	6.11	41.51	24	865	204	97	0.01	0.0	3.844	0.001	0	0	0	111
PD.5863	PL.37143	ABC	70L	7.13Y	118.9	0.00	6.11	41.51	59	865	204	97	0.00	0.0	3.844	0.001	0	0	0	111
PL.37144	PD.5863	ABC	#2 ACSR	7.13Y	118.8	0.08	6.20	41.51	24	865	204	97	0.57	0.1	3.925	0.081	0	0	0	111
PL.35702	PL.37144	A	#4 ACSR	7.13Y	118.8	0.00	6.20	1.41	1	10	2	98	0.00	0.0	3.926	0.001	0	0	0	2
PD.5749	PL.35702	A	50QA	7.13Y	118.8	0.00	6.20	1.41	3	10	2	98	0.00	0.0	3.926	0.001	0	0	0	2
PL.36598	PD.5749	A	#4 ACSR	7.13Y	118.8	0.00	6.20	1.41	1	10	2	98	0.00	0.0	3.998	0.072	0	0	0	2
PL.36601	PL.36598	A	#4 ACSR	7.13Y	118.8	0.00	6.20	1.41	1	10	2	98	0.00	0.0	4.049	0.051	5	1	1	2

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

	Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
	PL.36602	PL.36601	A	#4 ACSR	7.13Y	118.8	0.00	6.20	0.67	1	5	1	98	0.00	0.0	4.121	0.072	5	1	1	1	
	PL.35153	PL.37144	ABC	#2 ACSR	7.13Y	118.8	0.04	6.24	41.04	23	854	201	97	0.30	0.0	3.968	0.043	0	0	0	109	
	PL.35701	PL.35153	ABC	#2 ACSR	7.12Y	118.7	0.06	6.30	41.04	23	854	201	97	0.43	0.1	4.030	0.062	0	0	0	109	
	PL.34043	PL.35701	C	6 A (CWC)	7.12Y	118.7	0.00	6.31	20.76	15	144	34	97	0.00	0.0	4.033	0.003	0	0	0	23	
	PD.5861	PL.34043	C	50L	7.12Y	118.7	0.00	6.31	20.76	42	144	34	97	0.00	0.0	4.033	0.003	0	0	0	23	
	PL.35676	PD.5861	C	6 A (CWC)	7.11Y	118.5	0.22	6.52	20.76	15	144	34	97	0.23	0.2	4.280	0.247	18	4	2	23	
	PL.35677	PL.35676	C	6 A (CWC)	7.10Y	118.4	0.07	6.59	18.18	13	126	29	97	0.07	0.1	4.364	0.084	0	0	0	21	
	PL.35190	PL.35677	C	6 A (CWC)	7.10Y	118.4	0.00	6.59	1.39	1	10	2	98	0.00	0.0	4.431	0.067	10	2	1	1	
	PL.35680	PL.35677	C	6 A (CWC)	7.10Y	118.3	0.06	6.65	16.37	12	113	26	97	0.05	0.0	4.450	0.086	14	3	1	18	
	PL.35681	PL.35680	C	6 A (CWC)	7.10Y	118.3	0.06	6.72	14.38	10	99	23	97	0.05	0.0	4.547	0.097	0	0	0	17	
	PL.36549	PL.35681	C	6 A (CWC)	7.09Y	118.2	0.06	6.77	14.38	10	99	23	97	0.04	0.0	4.635	0.088	0	0	0	17	
	PL.52163	PL.36549	C	6 A (CWC)	7.09Y	118.2	0.05	6.82	13.58	10	94	22	97	0.04	0.0	4.717	0.081	0	0	0	16	
	PL.52164	PL.52163	C	6 A (CWC)	7.09Y	118.2	0.01	6.84	1.13	1	8	2	97	0.00	0.0	4.981	0.265	0	0	0	1	
	PL.52165	PL.52164	C	#1/0 ACSR	7.09Y	118.2	0.00	6.84	1.13	0	8	2	97	0.00	0.0	5.059	0.077	8	2	1	1	
	PL.52162	PL.52163	C	6 A (CWC)	7.08Y	118.0	0.14	6.96	12.44	9	86	20	97	0.09	0.1	4.967	0.250	0	0	0	15	
L	PL.36196	PL.52162	C	6 A (CWC)	7.08Y	118.0	0.06	7.02	11.09	8	76	18	97	0.03	0.0	5.088	0.121	7	2	1	13	L
L	PL.35872	PL.36196	C	6 A (CWC)	7.08Y	117.9	0.04	7.06	10.06	7	69	16	97	0.02	0.0	5.175	0.087	0	0	0	12	L
L	PL.61988	PL.35872	C	6 A (CWC)	7.08Y	117.9	0.01	7.07	6.46	5	44	10	98	0.00	0.0	5.209	0.034	0	0	0	8	L
L	PL.61989	PL.61988	C	6 A (CWC)	7.08Y	117.9	0.01	7.08	5.21	4	36	8	98	0.00	0.0	5.249	0.040	8	2	1	7	L
L	PL.35049	PL.61989	C	6 A (CWC)	7.07Y	117.9	0.01	7.09	4.01	3	28	6	98	0.00	0.0	5.298	0.049	0	0	0	6	L
L	PL.34736	PL.35049	C	6 A (CWC)	7.07Y	117.9	0.01	7.09	4.01	3	28	6	98	0.00	0.0	5.332	0.034	10	2	1	6	L
L	PL.34737	PL.34736	C	6 A (CWC)	7.07Y	117.9	0.00	7.10	2.50	2	17	4	97	0.00	0.0	5.362	0.030	6	1	2	5	L
L	PL.33554	PL.34737	C	6 A (CWC)	7.07Y	117.9	0.01	7.10	1.69	1	12	3	97	0.00	0.0	5.477	0.115	1	0	1	3	L
L	PL.33555	PL.33554	C	6 A (CWC)	7.07Y	117.9	0.00	7.11	1.61	1	11	3	96	0.00	0.0	5.541	0.065	11	3	2	2	L
L	PL.61990	PL.61988	C	#1/0 ACSR	7.08Y	117.9	0.00	7.07	1.25	1	9	2	98	0.00	0.0	5.219	0.010	9	2	1	1	L
L	PL.36148	PL.35872	C	6 A (CWC)	7.07Y	117.9	0.02	7.08	3.61	3	25	6	97	0.00	0.0	5.338	0.163	5	1	1	4	L
L	PL.36149	PL.36148	C	6 A (CWC)	7.07Y	117.9	0.01	7.09	2.93	2	20	5	97	0.00	0.0	5.415	0.076	3	1	1	3	L
L	PL.36599	PL.36149	C	6 A (CWC)	7.07Y	117.9	0.02	7.11	2.44	2	17	4	97	0.00	0.0	5.619	0.205	10	2	1	2	L
L	PL.36600	PL.36599	C	6 A (CWC)	7.07Y	117.9	0.00	7.11	0.95	1	7	2	96	0.00	0.0	5.717	0.097	7	2	1	1	L
	PL.35005	PL.52162	C	6 A (CWC)	7.08Y	118.0	0.01	6.97	1.35	1	9	2	98	0.00	0.0	5.102	0.136	0	0	0	2	
	PL.33688	PL.35005	C	6 A (CWC)	7.08Y	118.0	0.00	6.97	0.63	0	4	1	97	0.00	0.0	5.144	0.042	4	1	1	1	

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.35006	PL.35005	C	6 A (CWC)	7.08Y	118.0	0.00	6.97	0.72	1	5	1	98	0.00	0.0	5.158	0.056	5	1	1	1
PL.36550	PL.36549	C	6 A (CWC)	7.09Y	118.2	0.00	6.77	0.80	1	6	1	99	0.00	0.0	4.684	0.048	6	1	1	1
PL.36551	PL.36550	C	6 A (CWC)	7.09Y	118.2	0.00	6.77	0.00	0	0	0	100	0.00	0.0	4.733	0.049	0	0	0	0
PL.35678	PL.35677	C	6 A (CWC)	7.10Y	118.4	0.00	6.59	0.41	0	3	1	95	0.00	0.0	4.454	0.090	2	1	1	2
PL.35679	PL.35678	C	6 A (CWC)	7.10Y	118.4	0.00	6.59	0.06	0	0	0	100	0.00	0.0	4.484	0.030	0	0	1	1
PL.33413	PL.35701	ABC	336 MCM AC	7.12Y	118.7	0.02	6.32	33.74	7	702	165	97	0.09	0.0	4.121	0.091	5	1	1	85
PL.33414	PL.33413	ABC	336 MCM AC	7.12Y	118.7	0.01	6.34	33.48	6	696	164	97	0.05	0.0	4.169	0.049	0	0	0	84
PL.34501	PL.33414	ABC	336 MCM AC	7.12Y	118.7	0.01	6.35	31.25	6	650	153	97	0.04	0.0	4.220	0.051	0	0	0	80
PL.34502	PL.34501	ABC	336 MCM AC	7.12Y	118.6	0.01	6.35	28.77	6	598	141	97	0.02	0.0	4.253	0.033	0	0	0	76
PL.59185	PL.34502	ABC	336 MCM AC	7.12Y	118.6	0.02	6.37	27.94	5	581	136	97	0.06	0.0	4.353	0.100	10	2	1	73
PL.59186	PL.59185	ABC	336 MCM AC	7.12Y	118.6	0.01	6.39	27.47	5	571	134	97	0.05	0.0	4.431	0.078	14	3	1	72
PL.35875	PL.59186	ABC	336 MCM AC	7.12Y	118.6	0.01	6.39	26.81	5	557	131	97	0.02	0.0	4.461	0.030	0	0	0	71
PL.52712	PL.35875	ABC	336 MCM AC	7.12Y	118.6	0.01	6.40	25.91	5	538	126	97	0.02	0.0	4.498	0.037	0	0	1	68
PL.52713	PL.52712	ABC	336 MCM AC	7.12Y	118.6	0.01	6.41	25.90	5	538	126	97	0.04	0.0	4.561	0.063	0	0	0	67
PL.52714	PL.52713	ABC	336 MCM AC	7.11Y	118.6	0.01	6.43	25.90	5	538	126	97	0.05	0.0	4.643	0.082	0	0	0	67
PL.35347	PL.52714	ABC	336 MCM AC	7.11Y	118.6	0.00	6.43	22.49	4	467	110	97	0.01	0.0	4.675	0.031	0	0	0	59
PL.35050	PL.35347	ABC	336 MCM AC	7.11Y	118.6	0.02	6.45	21.98	4	457	107	97	0.04	0.0	4.772	0.097	0	0	0	58
PL.34548	PL.35050	B	#2 ACSR	7.11Y	118.5	0.01	6.45	3.24	2	22	5	98	0.00	0.0	4.844	0.073	1	0	1	6
PL.34550	PL.34548	B	#2 ACSR	7.11Y	118.5	0.00	6.46	2.59	1	18	4	98	0.00	0.0	4.908	0.064	11	3	2	4
PL.34551	PL.34550	B	#2 ACSR	7.11Y	118.5	0.00	6.46	1.01	1	7	2	96	0.00	0.0	4.928	0.020	7	2	2	2
PL.34549	PL.34551	B	#2 ACSR	7.11Y	118.5	0.00	6.46	0.00	0	0	0	100	0.00	0.0	5.202	0.274	0	0	0	0
PL.34623	PL.34548	B	#2 ACSR	7.11Y	118.5	0.00	6.46	0.56	0	4	1	97	0.00	0.0	4.905	0.061	4	1	1	1
PL.34622	PL.35050	ABC	336 MCM AC	7.11Y	118.5	0.01	6.46	20.90	4	434	102	97	0.03	0.0	4.860	0.089	0	0	1	52
PL.35008	PL.34622	ABC	336 MCM AC	7.11Y	118.5	0.02	6.49	19.62	4	408	95	97	0.06	0.0	5.038	0.178	0	0	0	49
PL.35009	PL.35008	B	#2 ACSR	7.11Y	118.5	0.00	6.49	0.00	0	0	0	100	0.00	0.0	5.040	0.001	0	0	0	0
PD.5684	PL.35009	B	40QA	7.11Y	118.5	0.00	6.49	0.00	0	0	0	100	0.00	0.0	5.040	0.001	0	0	0	0
PL.35010	PD.5684	B	#2 ACSR	7.11Y	118.5	0.00	6.49	0.00	0	0	0	100	0.00	0.0	5.068	0.029	0	0	0	0
PL.35881	PL.35008	ABC	336 MCM AC	7.11Y	118.5	0.01	6.50	19.62	4	408	95	97	0.02	0.0	5.114	0.076	9	2	1	49
PL.35882	PL.35881	ABC	336 MCM AC	7.11Y	118.5	0.01	6.50	19.19	4	399	93	97	0.02	0.0	5.176	0.062	12	3	1	48
PL.35883	PL.35882	B	#4 ACSR	7.11Y	118.5	0.00	6.50	2.13	2	15	3	98	0.00	0.0	5.176	0.000	0	0	0	3
PD.5718	PL.35883	B	40QA	7.11Y	118.5	0.00	6.50	2.13	5	15	3	98	0.00	0.0	5.176	0.000	0	0	0	3

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

Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.36463	PD.5718	B	#4 ACSR	7.11Y	118.5	0.00	6.51	2.13	2	15	3	98	0.00	0.0	5.217	0.041	0	0	0	3
PL.35020	PL.36463	B	#4 ACSR	7.11Y	118.5	0.00	6.51	0.00	0	0	0	100	0.00	0.0	5.267	0.050	0	0	0	0
PL.36167	PL.36463	B	#4 ACSR	7.11Y	118.5	0.02	6.53	1.33	1	9	2	98	0.00	0.0	5.518	0.301	0	0	0	2
PL.36168	PL.36167	B	#4 ACSR	7.11Y	118.5	0.01	6.54	1.33	1	9	2	98	0.00	0.0	5.700	0.182	1	0	1	2
PL.34883	PL.36168	B	#1/0 ACSR	7.11Y	118.5	0.00	6.54	0.00	0	0	0	100	0.00	0.0	5.739	0.039	0	0	0	0
PL.36252	PL.36168	B	6 A (CWC)	7.11Y	118.5	0.00	6.54	1.16	1	8	2	97	0.00	0.0	5.742	0.042	0	0	0	1
PL.34686	PL.36252	B	#2 ACSR	7.11Y	118.5	0.00	6.54	1.16	1	8	2	97	0.00	0.0	5.806	0.064	8	2	1	1
PL.53761	PL.36463	B	#4 ACSR	7.11Y	118.5	0.00	6.51	0.80	1	6	1	99	0.00	0.0	5.293	0.076	6	1	1	1
PL.34882	PL.35882	B	#2 ACSR	7.11Y	118.5	0.00	6.50	0.00	0	0	0	100	0.00	0.0	5.214	0.039	0	0	0	0
PL.34009	PL.35882	ABC	336 MCM AC	7.11Y	118.5	0.01	6.52	17.93	3	372	87	97	0.03	0.0	5.277	0.101	0	0	0	44
PL.36792	PL.34009	ABC	336 MCM AC	7.11Y	118.5	0.00	6.52	17.93	3	372	87	97	0.01	0.0	5.313	0.037	0	0	0	44
PL.53756	PL.36792	ABC	336 MCM AC	7.11Y	118.5	0.01	6.53	17.93	3	372	87	97	0.02	0.0	5.374	0.061	0	0	0	44
PD.7927	PL.53756	ABC	40QA	7.11Y	118.5	0.00	6.53	17.93	45	372	87	97	0.00	0.0	5.374	0.061	0	0	0	44
PL.53755	PD.7927	ABC	336 MCM AC	7.11Y	118.5	0.00	6.53	17.93	3	372	87	97	0.00	0.0	5.377	0.003	0	0	0	44
PL.60749	PL.53755	ABC	#2 ACSR	7.11Y	118.5	0.00	6.53	4.22	2	88	20	98	0.00	0.0	5.421	0.044	0	0	0	7
PL.60752	PL.60749	ABC	#2 ACSR	7.11Y	118.5	0.00	6.53	0.60	0	12	3	97	0.00	0.0	5.448	0.027	0	0	0	2
PL.60302	PL.60752	C	#1/0 ACSR	7.11Y	118.5	0.00	6.53	1.80	1	12	3	97	0.00	0.0	5.452	0.003	0	0	0	2
PD.9063	PL.60302	C	15T	7.11Y	118.5	0.00	6.53	1.80	0	12	3	97	0.00	0.0	5.452	0.003	0	0	0	2
PL.60303	PD.9063	C	#1/0 ACSR	7.11Y	118.5	0.00	6.54	1.80	1	12	3	97	0.00	0.0	5.502	0.051	12	3	2	2
PL.60751	PL.60752	ABC	#2 ACSR	7.11Y	118.5	0.00	6.53	0.00	0	0	0	100	0.00	0.0	5.465	0.017	0	0	0	0
PD.9062-B	PL.60751	ABC	Open	7.11Y	118.5	0.00	6.53	0.00	0	0	0	100	0.00	0.0	5.465	0.017	0	0	0	0
PL.60748	PL.60749	C	#2 ACSR	7.11Y	118.5	0.00	6.53	10.85	6	75	17	98	0.00	0.0	5.424	0.003	0	0	0	5
PD.7926	PL.60748	C	40QA	7.11Y	118.5	0.00	6.53	10.85	27	75	17	98	0.00	0.0	5.424	0.003	0	0	0	5
PL.53757	PD.7926	C	#2 ACSR	7.11Y	118.5	0.01	6.54	10.85	6	75	17	98	0.00	0.0	5.461	0.037	50	12	2	5
PL.60678	PL.53757	C	#2 ACSR	7.11Y	118.5	0.00	6.55	3.56	2	25	6	97	0.00	0.0	5.496	0.036	8	2	1	3
PL.60679	PL.60678	C	#2 ACSR	7.11Y	118.5	0.00	6.55	2.45	1	17	4	97	0.00	0.0	5.544	0.048	17	4	2	2
PL.36791	PL.53755	ABC	#2 ACSR	7.11Y	118.4	0.04	6.57	13.71	8	285	67	97	0.09	0.0	5.489	0.112	0	0	0	37
PL.53758	PL.36791	B	#2 ACSR	7.11Y	118.4	0.00	6.57	1.68	1	12	3	97	0.00	0.0	5.553	0.064	12	3	1	1
PL.53759	PL.36791	ABC	#2 ACSR	7.11Y	118.4	0.00	6.57	13.15	8	273	64	97	0.01	0.0	5.504	0.015	12	3	1	36
PL.53760	PL.53759	ABC	#2 ACSR	7.10Y	118.4	0.06	6.63	12.57	7	261	61	97	0.12	0.0	5.685	0.181	0	0	0	35
PL.36442	PL.53760	ABC	#2 ACSR	7.10Y	118.3	0.03	6.66	11.50	7	239	56	97	0.05	0.0	5.788	0.103	8	2	1	33

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.34008	PL.36442	ABC	#2 ACSR	7.10Y	118.3	0.02	6.68	10.62	6	220	51	97	0.03	0.0	5.856	0.068	7	2	1	31
PL.35149	PL.34008	ABC	#2 ACSR	7.10Y	118.3	0.02	6.70	10.28	6	213	50	97	0.04	0.0	5.948	0.092	0	0	0	30
PL.35011	PL.35149	A	#2 ACSR	7.10Y	118.3	0.00	6.70	0.42	0	3	1	95	0.00	0.0	5.973	0.026	3	1	1	1
PL.34701	PL.35149	A	#2 ACSR	7.10Y	118.3	0.00	6.70	0.00	0	0	0	100	0.00	0.0	5.977	0.029	0	0	0	0
PL.35497	PL.35149	ABC	#2 ACSR	7.10Y	118.3	0.03	6.73	10.14	6	210	49	97	0.05	0.0	6.074	0.126	8	2	1	29
PL.35498	PL.35497	ABC	#2 ACSR	7.09Y	118.2	0.03	6.77	9.77	6	203	47	97	0.06	0.0	6.216	0.142	0	0	0	28
PL.35499	PL.35498	C	#2 ACSR	7.09Y	118.2	0.00	6.77	1.17	1	8	2	97	0.00	0.0	6.219	0.003	0	0	0	1
PD.5194	PL.35499	C	40QA	7.09Y	118.2	0.00	6.77	1.17	3	8	2	97	0.00	0.0	6.219	0.003	0	0	0	1
PL.35500	PD.5194	C	#2 ACSR	7.09Y	118.2	0.00	6.77	1.17	1	8	2	97	0.00	0.0	6.249	0.030	8	2	1	1
PL.35272	PL.35498	ABC	#2 ACSR	7.09Y	118.2	0.02	6.78	9.39	5	195	45	97	0.02	0.0	6.283	0.067	0	0	0	27
PL.35039	PL.35272	ABC	6 A (CWC)	7.09Y	118.2	0.02	6.80	4.97	4	103	24	97	0.01	0.0	6.364	0.081	0	0	0	18
PL.34624	PL.35039	C	6 A (CWC)	7.09Y	118.2	0.00	6.80	2.20	2	15	4	97	0.00	0.0	6.443	0.080	15	4	1	1
PL.35270	PL.35039	ABC	6 A (CWC)	7.09Y	118.2	0.01	6.81	4.24	3	88	20	98	0.01	0.0	6.415	0.051	0	0	0	17
PL.35271	PL.35270	ABC	6 A (CWC)	7.09Y	118.1	0.06	6.86	4.24	3	88	20	98	0.04	0.0	6.753	0.338	0	0	0	17
PL.59959	PL.35271	A	6 A (CWC)	7.09Y	118.1	0.04	6.90	10.49	7	72	17	97	0.02	0.0	6.833	0.080	0	0	0	12
PL.59960	PL.59959	A	6 A (CWC)	7.09Y	118.1	0.01	6.91	10.49	7	72	17	97	0.01	0.0	6.864	0.031	0	0	0	12
PL.59961	PL.59960	A	6 A (CWC)	7.08Y	118.0	0.04	6.96	10.49	7	72	17	97	0.02	0.0	6.961	0.098	7	2	2	12
PL.59958	PL.59961	A	#2 ACSR	7.08Y	118.0	0.01	6.97	5.71	3	39	9	97	0.00	0.0	7.028	0.067	5	1	1	5
PL.34558	PL.59958	A	#2 ACSR	7.08Y	118.0	0.00	6.97	5.04	3	35	8	97	0.00	0.0	7.066	0.038	22	5	3	4
PL.34820	PL.34558	A	#2 ACSR	7.08Y	118.0	0.00	6.97	1.81	1	12	3	97	0.00	0.0	7.120	0.054	12	3	1	1
PL.55964	PL.34558	A	#2 ACSR	7.08Y	118.0	0.00	6.97	0.00	0	0	0	100	0.00	0.0	7.227	0.161	0	0	0	0
PL.59957	PL.59961	A	6 A (CWC)	7.08Y	118.0	0.00	6.96	3.83	3	26	6	97	0.00	0.0	6.986	0.025	0	0	0	5
PL.34510	PL.59957	A	6 A (CWC)	7.08Y	118.0	0.00	6.97	1.32	1	9	2	98	0.00	0.0	7.052	0.066	5	1	1	2
PL.34557	PL.34510	A	6 A (CWC)	7.08Y	118.0	0.00	6.97	0.61	0	4	1	97	0.00	0.0	7.077	0.024	4	1	1	1
PL.34509	PL.59957	A	6 A (CWC)	7.08Y	118.0	0.01	6.97	2.51	2	17	4	97	0.00	0.0	7.039	0.053	4	1	1	3
PL.36357	PL.34509	A	6 A (CWC)	7.08Y	118.0	0.01	6.98	1.99	1	14	3	98	0.00	0.0	7.135	0.096	4	1	1	2
PL.36358	PL.36357	A	6 A (CWC)	7.08Y	118.0	0.00	6.98	1.37	1	9	2	98	0.00	0.0	7.223	0.088	9	2	1	1
PL.34074	PL.35271	ABC	6 A (CWC)	7.09Y	118.1	0.00	6.86	0.39	0	8	2	97	0.00	0.0	6.831	0.078	8	2	2	2
PL.33875	PL.35271	A	6 A (CWC)	7.09Y	118.1	0.01	6.87	1.05	1	7	2	96	0.00	0.0	6.873	0.120	0	0	0	3
PL.35130	PL.33875	A	#1/0 ACSR	7.09Y	118.1	0.00	6.87	1.04	0	7	2	96	0.00	0.0	6.958	0.085	7	2	2	2
PL.36372	PL.33875	A	6 A (CWC)	7.09Y	118.1	0.00	6.87	0.01	0	0	0	100	0.00	0.0	7.004	0.131	0	0	1	1

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

	Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
	PL.36373	PL.36372	A	6 A (CWC)	7.09Y	118.1	0.00	6.87	0.00	0	0	0	100	0.00	0.0	7.057	0.053	0	0	0	0	
	PL.34887	PL.35270	A	#4 ACSR	7.09Y	118.2	0.00	6.81	0.00	0	0	0	100	0.00	0.0	6.485	0.070	0	0	0	0	
	PL.33889	PL.35272	B	#4 ACSR	7.09Y	118.2	0.05	6.83	13.25	10	92	21	97	0.03	0.0	6.365	0.083	0	0	0	9	
	PL.36665	PL.33889	B	#4 ACSR	7.09Y	118.2	0.00	6.83	13.25	10	91	21	97	0.00	0.0	6.368	0.003	0	0	0	9	
	PD.5782	PL.36665	B	35L	7.09Y	118.2	0.00	6.83	13.25	38	91	21	97	0.00	0.0	6.368	0.003	0	0	0	9	
	PL.36666	PD.5782	B	#4 ACSR	7.09Y	118.1	0.06	6.89	13.25	10	91	21	97	0.04	0.0	6.463	0.095	0	0	0	9	
	PL.57758	PL.36666	B	#4 ACSR	7.08Y	118.0	0.07	6.95	10.56	8	73	17	97	0.04	0.1	6.608	0.145	0	0	0	8	
	PL.57759	PL.57758	B	#4 ACSR	7.08Y	118.0	0.02	6.98	10.56	8	73	17	97	0.01	0.0	6.661	0.053	8	2	2	8	
	PL.35133	PL.57759	B	#4 ACSR	7.08Y	118.0	0.00	6.98	1.65	1	11	3	96	0.00	0.0	6.711	0.051	11	3	1	1	
	PL.33920	PL.57759	B	#4 ACSR	7.08Y	118.0	0.00	6.98	2.00	2	14	3	98	0.00	0.0	6.755	0.094	14	3	1	1	
	PL.35135	PL.57759	B	#4 ACSR	7.08Y	118.0	0.02	7.00	5.74	4	40	9	98	0.01	0.0	6.732	0.072	1	0	1	4	
L	PL.34286	PL.35135	B	#4 ACSR	7.08Y	118.0	0.01	7.00	5.66	4	39	9	97	0.00	0.0	6.781	0.048	34	8	2	3	L
L	PL.33993	PL.34286	B	#4 ACSR	7.08Y	118.0	0.00	7.00	0.74	1	5	1	98	0.00	0.0	6.833	0.052	5	1	1	1	L
	PL.57760	PL.57758	B	#4 ACSR	7.08Y	118.0	0.00	6.95	0.00	0	0	0	100	0.00	0.0	6.725	0.117	0	0	0	0	
	PL.34855	PL.36666	B	#2 ACSR	7.09Y	118.1	0.01	6.89	2.69	2	19	4	98	0.00	0.0	6.648	0.185	19	4	1	1	
	PL.35034	PL.36442	A	#4 ACSR	7.10Y	118.3	0.00	6.66	1.53	1	11	2	98	0.00	0.0	5.844	0.056	11	2	1	1	
	PL.35184	PL.53760	B	6 A (CWC)	7.10Y	118.4	0.01	6.64	3.21	2	22	5	98	0.00	0.0	5.758	0.073	7	2	1	2	
	PL.61980	PL.35184	B	#1/0 ACSR	7.10Y	118.4	0.00	6.64	2.14	1	15	3	98	0.00	0.0	5.813	0.055	15	3	1	1	
	PL.34884	PL.34622	B	#4 ACSR	7.11Y	118.5	0.00	6.46	3.84	3	27	6	98	0.00	0.0	4.861	0.001	0	0	0	2	
	PD.5034	PL.34884	B	40QA	7.11Y	118.5	0.00	6.46	3.84	10	27	6	98	0.00	0.0	4.861	0.001	0	0	0	2	
	PL.34885	PD.5034	B	#4 ACSR	7.11Y	118.5	0.01	6.47	3.84	3	27	6	98	0.00	0.0	4.923	0.062	17	4	1	2	
	PL.34886	PL.34885	B	#4 ACSR	7.11Y	118.5	0.00	6.47	1.35	1	9	2	98	0.00	0.0	5.017	0.094	9	2	1	1	
	PL.35055	PL.35347	C	#2 ACSR	7.11Y	118.6	0.00	6.43	1.52	1	11	2	98	0.00	0.0	4.677	0.002	0	0	0	1	
	PD.5193	PL.35055	C	40QA	7.11Y	118.6	0.00	6.43	1.52	4	11	2	98	0.00	0.0	4.677	0.002	0	0	0	1	
	PL.35056	PD.5193	C	#2 ACSR	7.11Y	118.6	0.00	6.43	1.52	1	11	2	98	0.00	0.0	4.695	0.019	11	2	1	1	
	PL.35370	PL.52714	A	#2 ACSR	7.11Y	118.6	0.00	6.43	6.84	4	47	11	97	0.00	0.0	4.645	0.002	0	0	0	4	
	PD.5033	PL.35370	A	40QA	7.11Y	118.6	0.00	6.43	6.84	17	47	11	97	0.00	0.0	4.645	0.002	0	0	0	4	
	PL.35371	PD.5033	A	#2 ACSR	7.11Y	118.6	0.01	6.44	6.84	4	47	11	97	0.00	0.0	4.704	0.059	18	4	2	4	
	PL.33721	PL.35371	A	#2 ACSR	7.11Y	118.6	0.01	6.45	4.26	2	30	7	97	0.00	0.0	4.804	0.100	15	4	1	2	
	PL.35880	PL.33721	A	#2 ACSR	7.11Y	118.6	0.00	6.45	2.05	1	14	3	98	0.00	0.0	4.834	0.030	14	3	1	1	
	PL.35057	PL.52714	C	#2 ACSR	7.11Y	118.6	0.00	6.43	3.41	2	24	6	97	0.00	0.0	4.645	0.002	0	0	0	4	

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.5735	PL.35057	C	40QA	7.11Y	118.6	0.00	6.43	3.41	9	24	6	97	0.00	0.0	4.645	0.002	0	0	0	4
PL.35372	PD.5735	C	#2 ACSR	7.11Y	118.6	0.00	6.43	3.41	2	24	6	97	0.00	0.0	4.679	0.034	8	2	2	4
PL.35373	PL.35372	C	#2 ACSR	7.11Y	118.6	0.00	6.44	2.33	1	16	4	97	0.00	0.0	4.760	0.080	7	2	1	2
PL.35682	PL.35373	C	#2 ACSR	7.11Y	118.6	0.00	6.44	1.31	1	9	2	98	0.00	0.0	4.791	0.032	0	0	0	1
PL.34006	PL.35682	C	#2 ACSR	7.11Y	118.6	0.00	6.44	1.31	1	9	2	98	0.00	0.0	4.827	0.035	9	2	1	1
CP.84	PL.52713	ABC	Cap (300)	7.12Y	118.6	0.00	6.41	0.00	0	0	0	100	0.00	0.0	4.561	0.035	0	0	0	0
PL.34193	PL.35875	C	#2 ACSR	7.12Y	118.6	0.00	6.40	2.70	2	19	4	98	0.00	0.0	4.480	0.019	19	4	3	3
PL.59187	PL.34502	A	#2 ACSR	7.12Y	118.6	0.00	6.35	2.49	1	17	4	97	0.00	0.0	4.255	0.002	0	0	0	3
PD.8673	PL.59187	A	30QA	7.12Y	118.6	0.00	6.35	2.49	8	17	4	97	0.00	0.0	4.255	0.002	0	0	0	3
PL.59188	PD.8673	A	#2 ACSR	7.12Y	118.6	0.00	6.36	2.49	1	17	4	97	0.00	0.0	4.282	0.027	8	2	1	3
PL.59928	PL.59188	A	#2 ACSR	7.12Y	118.6	0.00	6.36	1.32	1	9	2	98	0.00	0.0	4.307	0.024	9	2	2	2
PL.34505	PL.34501	C	#2 ACSR	7.12Y	118.7	0.00	6.35	2.51	1	17	4	97	0.00	0.0	4.222	0.002	0	0	0	2
PD.5839	PL.34505	C	40QA	7.12Y	118.7	0.00	6.35	2.51	6	17	4	97	0.00	0.0	4.222	0.002	0	0	0	2
PL.34506	PD.5839	C	#2 ACSR	7.12Y	118.7	0.00	6.35	2.51	1	17	4	97	0.00	0.0	4.247	0.025	17	4	2	2
PL.34507	PL.34501	C	#2 ACSR	7.12Y	118.7	0.00	6.35	1.29	1	9	2	98	0.00	0.0	4.222	0.002	0	0	0	1
PD.5841	PL.34507	C	50QA	7.12Y	118.7	0.00	6.35	1.29	3	9	2	98	0.00	0.0	4.222	0.002	0	0	0	1
PL.34508	PD.5841	C	#2 ACSR	7.12Y	118.7	0.00	6.35	1.29	1	9	2	98	0.00	0.0	4.264	0.043	9	2	1	1
PL.34503	PL.34501	A	#2 ACSR	7.12Y	118.7	0.00	6.35	3.65	2	25	6	97	0.00	0.0	4.222	0.002	0	0	0	1
PD.5082	PL.34503	A	40QA	7.12Y	118.7	0.00	6.35	3.65	9	25	6	97	0.00	0.0	4.222	0.002	0	0	0	1
PL.34504	PD.5082	A	#2 ACSR	7.12Y	118.7	0.00	6.35	3.65	2	25	6	97	0.00	0.0	4.235	0.013	25	6	1	1
PL.54139	PL.33414	A	#1/0 ACSR	7.12Y	118.7	0.00	6.34	6.68	3	46	11	97	0.00	0.0	4.174	0.005	0	0	0	4
PD.8133	PL.54139	A	40QA	7.12Y	118.7	0.00	6.34	6.68	17	46	11	97	0.00	0.0	4.174	0.005	0	0	0	4
PL.54140	PD.8133	A	#1/0 ACSR	7.12Y	118.7	0.00	6.34	6.68	3	46	11	97	0.00	0.0	4.203	0.029	12	3	1	4
PL.35592	PL.54140	A	#1/0 ACSR	7.12Y	118.6	0.01	6.35	4.91	2	34	8	97	0.00	0.0	4.321	0.118	0	0	0	3
PL.34500	PL.35592	A	#1/0 ACSR	7.12Y	118.6	0.00	6.36	4.91	2	34	8	97	0.00	0.0	4.352	0.031	6	1	1	3
PL.34555	PL.34500	A	#1/0 ACSR	7.12Y	118.6	0.00	6.36	4.07	2	28	7	97	0.00	0.0	4.407	0.056	12	3	1	2
PL.34556	PL.34555	A	#1/0 ACSR	7.12Y	118.6	0.00	6.36	2.27	1	16	4	97	0.00	0.0	4.433	0.026	16	4	1	1
PL.35126	PL.33413	C	#2 ACSR	7.12Y	118.7	0.00	6.32	0.00	0	0	0	100	0.00	0.0	4.187	0.066	0	0	0	0
PL.33827	PL.35701	A	#2 ACSR	7.12Y	118.7	0.00	6.30	1.12	1	8	2	97	0.00	0.0	4.033	0.003	0	0	0	1
PD.5840	PL.33827	A	40QA	7.12Y	118.7	0.00	6.30	1.12	3	8	2	97	0.00	0.0	4.033	0.003	0	0	0	1
PL.33828	PD.5840	A	#2 ACSR	7.12Y	118.7	0.00	6.30	1.12	1	8	2	97	0.00	0.0	4.072	0.039	8	2	1	1

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.34361	PL.35221	C	#2 ACSR	7.14Y	118.9	0.00	6.06	1.80	1	13	3	97	0.00	0.0	3.738	0.061	13	3	1	1
PL.36476	PL.35189	ABC	#2 ACSR	7.14Y	118.9	0.04	6.05	35.75	20	745	175	97	0.25	0.0	3.549	0.048	0	0	0	95
PL.35652	PL.36476	ABC	#2 ACSR	7.13Y	118.9	0.04	6.09	33.91	19	707	166	97	0.21	0.0	3.595	0.046	13	3	2	92
PL.35653	PL.35652	ABC	#2 ACSR	7.13Y	118.9	0.04	6.13	33.27	19	693	163	97	0.22	0.0	3.644	0.049	19	4	3	90
PL.35654	PL.35653	ABC	#2 ACSR	7.13Y	118.8	0.07	6.20	32.38	19	675	158	97	0.35	0.1	3.726	0.082	0	0	0	87
PL.35623	PL.35654	ABC	6 A (CWC)	7.13Y	118.8	0.00	6.20	32.38	23	674	158	97	0.00	0.0	3.726	0.000	0	0	0	87
PD.5862	PL.35623	ABC	50L	7.13Y	118.8	0.00	6.20	32.38	65	674	158	97	0.00	0.0	3.726	0.000	0	0	0	87
PL.35624	PD.5862	ABC	6 A (CWC)	7.13Y	118.8	0.05	6.24	32.38	23	674	158	97	0.25	0.0	3.763	0.036	0	0	0	87
PL.36541	PL.35624	C	6 A (CWC)	7.13Y	118.8	0.00	6.24	1.48	1	10	2	98	0.00	0.0	3.764	0.001	0	0	0	1
PD.5077	PL.36541	C	40QA	7.13Y	118.8	0.00	6.24	1.48	4	10	2	98	0.00	0.0	3.764	0.001	0	0	0	1
PL.36542	PD.5077	C	6 A (CWC)	7.13Y	118.8	0.00	6.25	1.48	1	10	2	98	0.00	0.0	3.870	0.106	10	2	1	1
PL.34872	PL.36542	C	6 A (CWC)	7.13Y	118.8	0.00	6.25	0.00	0	0	0	100	0.00	0.0	3.958	0.088	0	0	0	0
PL.36543	PL.35624	C	#2 ACSR	7.13Y	118.8	0.00	6.24	4.70	3	33	8	97	0.00	0.0	3.764	0.001	0	0	0	3
PD.5048	PL.36543	C	30QA	7.13Y	118.8	0.00	6.24	4.70	16	33	8	97	0.00	0.0	3.764	0.001	0	0	0	3
PL.36544	PD.5048	C	#2 ACSR	7.13Y	118.8	0.00	6.25	4.70	3	33	8	97	0.00	0.0	3.785	0.021	10	2	1	3
PL.35622	PL.36544	C	#2 ACSR	7.13Y	118.8	0.00	6.25	3.28	2	23	5	98	0.00	0.0	3.840	0.055	23	5	2	2
PL.36545	PL.35624	ABC	6 A (CWC)	7.12Y	118.6	0.14	6.39	30.32	22	631	148	97	0.74	0.1	3.884	0.122	0	0	0	83
PL.35037	PL.36545	A	6 A (CWC)	7.12Y	118.6	0.00	6.39	5.03	4	35	8	97	0.00	0.0	3.885	0.001	0	0	0	6
PD.5078	PL.35037	A	20T	7.12Y	118.6	0.00	6.39	5.03	0	35	8	97	0.00	0.0	3.885	0.001	0	0	0	6
PL.35038	PD.5078	A	6 A (CWC)	7.12Y	118.6	0.01	6.39	5.03	4	35	8	97	0.00	0.0	3.915	0.030	0	0	0	6
PL.35309	PL.35038	A	6 A (CWC)	7.12Y	118.6	0.00	6.40	5.03	4	35	8	97	0.00	0.0	3.923	0.008	0	0	0	6
PL.35310	PL.35309	A	6 A (CWC)	7.12Y	118.6	0.00	6.40	5.03	4	35	8	97	0.00	0.0	3.956	0.033	35	8	6	6
PL.36546	PL.36545	ABC	6 A (CWC)	7.11Y	118.5	0.08	6.47	28.65	20	595	140	97	0.40	0.1	3.958	0.073	0	0	0	77
PL.35144	PL.36546	ABC	6 A (CWC)	7.10Y	118.3	0.21	6.68	28.65	20	595	139	97	1.02	0.2	4.145	0.187	0	0	1	77
PL.37145	PL.35144	ABC	6 A (CWC)	7.10Y	118.3	0.06	6.73	28.35	20	588	138	97	0.27	0.0	4.195	0.050	0	0	0	75
PL.62558	PL.37145	A	6 A (CWC)	7.09Y	118.2	0.03	6.76	2.87	2	20	5	97	0.00	0.0	4.432	0.237	0	0	0	2
PL.62559	PL.62558	A	6 A (CWC)	7.09Y	118.2	0.00	6.76	0.00	0	0	0	100	0.00	0.0	4.619	0.186	0	0	0	0
PL.62560	PL.62558	A	#1/0 ACSR	7.09Y	118.2	0.00	6.76	2.87	1	20	5	97	0.00	0.0	4.434	0.001	0	0	0	2
PD.9431	PL.62560	A	15T	7.09Y	118.2	0.00	6.76	2.87	0	20	5	97	0.00	0.0	4.434	0.001	0	0	0	2
PL.62561	PD.9431	A	#1/0 ACSR	7.09Y	118.2	0.00	6.77	2.87	1	20	5	97	0.00	0.0	4.491	0.058	6	1	1	2
PL.66246	PL.62561	A	#1/0 ACSR	7.09Y	118.2	0.00	6.77	1.97	1	14	3	98	0.00	0.0	4.537	0.046	14	3	1	1

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PL.37146	PL.37145	ABC	6 A (CWC)	7.09Y	118.2	0.11	6.85	27.39	20	568	133	97	0.53	0.1	4.302	0.107	5	1	2	73	
PL.35879	PL.37146	ABC	6 A (CWC)	7.09Y	118.1	0.04	6.88	27.16	19	562	132	97	0.17	0.0	4.337	0.035	6	1	2	71	
PL.36697	PL.35879	ABC	6 A (CWC)	7.08Y	118.0	0.08	6.96	26.88	19	557	130	97	0.36	0.1	4.412	0.075	0	0	0	69	
L PL.36698	PL.36697	ABC	6 A (CWC)	7.08Y	118.0	0.06	7.02	26.74	19	553	129	97	0.25	0.0	4.465	0.053	6	2	1	67	L
L PL.36480	PL.36698	ABC	6 A (CWC)	7.07Y	117.9	0.08	7.10	26.43	19	546	128	97	0.37	0.1	4.546	0.081	3	1	1	66	L
L PL.36044	PL.36480	ABC	6 A (CWC)	7.07Y	117.8	0.12	7.22	24.83	18	513	120	97	0.51	0.1	4.671	0.125	0	0	0	63	L
L PL.59112	PL.36044	ABC	6 A (CWC)	7.07Y	117.8	0.03	7.25	12.17	9	251	59	97	0.05	0.0	4.727	0.056	25	6	3	32	L
L PL.59114	PL.59112	ABC	6 A (CWC)	7.06Y	117.7	0.02	7.27	10.30	7	213	50	97	0.04	0.0	4.786	0.059	0	0	0	26	L
L PL.33697	PL.59114	ABC	6 A (CWC)	7.06Y	117.7	0.03	7.30	10.30	7	213	50	97	0.05	0.0	4.860	0.073	24	6	3	26	L
L PL.35044	PL.33697	ABC	6 A (CWC)	7.06Y	117.7	0.02	7.32	7.72	6	159	37	97	0.03	0.0	4.930	0.070	4	1	2	20	L
L PL.35045	PL.35044	ABC	6 A (CWC)	7.06Y	117.7	0.01	7.33	7.50	5	155	36	97	0.01	0.0	4.963	0.033	0	0	0	18	L
L PL.35046	PL.35045	A	6 A (CWC)	7.06Y	117.7	0.00	7.33	0.00	0	0	0	100	0.00	0.0	4.965	0.001	0	0	0	0	L
L PD.5081	PL.35046	A	40QA	7.06Y	117.7	0.00	7.33	0.00	0	0	0	100	0.00	0.0	4.965	0.001	0	0	0	0	L
L PL.34010	PD.5081	A	6 A (CWC)	7.06Y	117.7	0.00	7.33	0.00	0	0	0	100	0.00	0.0	4.986	0.022	0	0	0	0	L
L PL.62063	PL.35045	C	6 A (CWC)	7.06Y	117.7	0.00	7.33	15.11	11	104	24	97	0.00	0.0	4.965	0.001	0	0	0	12	L
L PD.9258	PL.62063	C	25T	7.06Y	117.7	0.00	7.33	15.11	0	104	24	97	0.00	0.0	4.965	0.001	0	0	0	12	L
L PL.62067	PD.9258	C	6 A (CWC)	7.06Y	117.6	0.03	7.37	15.11	11	104	24	97	0.03	0.0	5.017	0.053	9	2	1	12	L
L PL.62068	PL.62067	C	6 A (CWC)	7.05Y	117.5	0.09	7.45	13.76	10	95	22	97	0.07	0.1	5.159	0.141	0	0	0	11	L
L PL.62064	PL.62068	C	6 A (CWC)	7.05Y	117.5	0.00	7.46	1.02	1	7	2	96	0.00	0.0	5.229	0.070	0	0	0	1	L
L PL.35538	PL.62064	C	6 A (CWC)	7.05Y	117.5	0.00	7.46	1.02	1	7	2	96	0.00	0.0	5.444	0.216	7	2	1	1	L
L PL.62065	PL.62068	C	6 A (CWC)	7.05Y	117.5	0.01	7.46	2.98	2	20	5	97	0.00	0.0	5.200	0.042	4	1	1	2	L
L PL.59105	PL.62065	C	6 A (CWC)	7.05Y	117.5	0.00	7.46	2.42	2	17	4	97	0.00	0.0	5.260	0.060	17	4	1	1	L
L PL.62066	PL.62068	C	6 A (CWC)	7.05Y	117.5	0.03	7.48	9.76	7	67	16	97	0.02	0.0	5.233	0.074	10	2	1	8	L
L PL.63870	PL.62066	C	6 A (CWC)	7.05Y	117.5	0.02	7.50	8.28	6	57	13	97	0.01	0.0	5.277	0.045	8	2	1	7	L
L PL.63871	PL.63870	C	6 A (CWC)	7.05Y	117.5	0.00	7.50	7.06	5	48	11	97	0.00	0.0	5.277	0.000	0	0	0	6	L
L PL.35876	PL.63871	C	6 A (CWC)	7.05Y	117.5	0.01	7.51	5.29	4	36	8	98	0.00	0.0	5.330	0.052	0	0	0	5	L
L PL.35877	PL.35876	C	6 A (CWC)	7.05Y	117.5	0.00	7.52	2.73	2	19	4	98	0.00	0.0	5.379	0.049	10	2	1	2	L
L PL.35125	PL.35877	C	6 A (CWC)	7.05Y	117.5	0.00	7.52	0.00	0	0	0	100	0.00	0.0	5.424	0.045	0	0	0	0	L
L PL.35878	PL.35877	C	6 A (CWC)	7.05Y	117.5	0.00	7.52	1.33	1	9	2	98	0.00	0.0	5.429	0.050	9	2	1	1	L
L PL.62674	PL.35876	C	#1/0 ACSR	7.05Y	117.5	0.00	7.51	2.56	1	18	4	98	0.00	0.0	5.355	0.025	10	2	2	3	L
L PL.62675	PL.62674	C	#1/0 ACSR	7.05Y	117.5	0.00	7.51	1.10	0	8	2	97	0.00	0.0	5.370	0.015	0	0	0	1	L

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PL.62676	PL.62675	C	#1/0 ACSR	7.05Y	117.5	0.00	7.51	1.10	0	8	2	97	0.00	0.0	5.391	0.021	8	2	1	1	L
L PL.64785	PL.63871	C	#1/0 ACSR	7.05Y	117.5	0.00	7.50	1.77	1	12	3	97	0.00	0.0	5.320	0.043	0	0	0	1	L
L PL.64786	PL.64785	C	#1/0 ACSR	7.05Y	117.5	0.00	7.50	1.77	1	12	3	97	0.00	0.0	5.359	0.039	12	3	1	1	L
L PL.34035	PL.35045	ABC	6 A (CWC)	7.06Y	117.7	0.00	7.34	2.47	2	51	12	97	0.00	0.0	5.008	0.045	0	0	0	6	L
L PL.36482	PL.34035	C	#4 ACSR	7.06Y	117.7	0.00	7.34	5.37	4	37	9	97	0.00	0.0	5.009	0.001	0	0	0	5	L
L PD.5080	PL.36482	C	40QA	7.06Y	117.7	0.00	7.34	5.37	13	37	9	97	0.00	0.0	5.009	0.001	0	0	0	5	L
L PL.36483	PD.5080	C	#4 ACSR	7.06Y	117.7	0.01	7.34	5.37	4	37	9	97	0.00	0.0	5.063	0.053	29	7	3	5	L
L PL.33603	PL.36483	C	#4 ACSR	7.06Y	117.7	0.00	7.35	1.19	1	8	2	97	0.00	0.0	5.125	0.063	3	1	1	2	L
L PL.33604	PL.33603	C	#4 ACSR	7.06Y	117.7	0.00	7.35	0.71	1	5	1	98	0.00	0.0	5.150	0.025	5	1	1	1	L
L PL.36795	PL.34035	A	#1/0 ACSR	7.06Y	117.7	0.00	7.34	2.03	1	14	3	98	0.00	0.0	5.009	0.001	0	0	0	1	L
L PD.5212	PL.36795	A	40QA	7.06Y	117.7	0.00	7.34	2.03	5	14	3	98	0.00	0.0	5.009	0.001	0	0	0	1	L
L PL.36481	PD.5212	A	#1/0 ACSR	7.06Y	117.7	0.00	7.34	2.03	1	14	3	98	0.00	0.0	5.072	0.062	0	0	0	1	L
L PL.36794	PL.36481	A	#1/0 ACSR	7.06Y	117.7	0.00	7.34	2.03	1	14	3	98	0.00	0.0	5.175	0.103	14	3	1	1	L
L PL.36793	PL.36794	A	#1/0 ACSR	7.06Y	117.7	0.00	7.34	0.00	0	0	0	100	0.00	0.0	5.213	0.038	0	0	0	0	L
L PL.34839	PL.34035	A	6 A (CWC)	7.06Y	117.7	0.00	7.34	0.00	0	0	0	100	0.00	0.0	5.070	0.062	0	0	0	0	L
L PL.57553	PL.33697	C	#2 ACSR	7.06Y	117.7	0.00	7.30	4.27	2	29	7	97	0.00	0.0	4.884	0.025	11	3	1	3	L
L PL.57554	PL.57553	C	#1/0 ACSR	7.06Y	117.7	0.00	7.30	2.66	1	18	4	98	0.00	0.0	4.931	0.047	18	4	2	2	L
L PL.59113	PL.59112	A	#2 ACSR	7.07Y	117.8	0.00	7.25	2.01	1	14	3	98	0.00	0.0	4.728	0.002	0	0	0	3	L
L PD.5683	PL.59113	A	40QA	7.07Y	117.8	0.00	7.25	2.01	5	14	3	98	0.00	0.0	4.728	0.002	0	0	0	3	L
L PL.34919	PD.5683	A	#2 ACSR	7.07Y	117.8	0.00	7.25	2.01	1	14	3	98	0.00	0.0	4.765	0.036	14	3	3	3	L
L PL.33921	PL.36044	B	6 A (CWC)	7.06Y	117.7	0.08	7.30	37.98	27	261	61	97	0.16	0.1	4.719	0.048	13	3	2	31	L
L PL.34818	PL.33921	B	6 A (CWC)	7.06Y	117.7	0.01	7.32	6.41	5	44	10	98	0.00	0.0	4.772	0.053	9	2	1	5	L
L PL.62556	PL.34818	B	6 A (CWC)	7.06Y	117.7	0.00	7.32	5.14	4	35	8	97	0.00	0.0	4.795	0.023	7	2	1	4	L
L PL.62557	PL.62556	B	6 A (CWC)	7.06Y	117.7	0.00	7.33	4.14	3	28	7	97	0.00	0.0	4.823	0.028	12	3	1	3	L
L PL.59905	PL.62557	B	#1/0 ACSR	7.06Y	117.7	0.00	7.33	2.42	1	17	4	97	0.00	0.0	4.870	0.047	12	3	1	2	L
L PL.59906	PL.59905	B	#1/0 ACSR	7.06Y	117.7	0.00	7.33	0.67	0	5	1	98	0.00	0.0	4.929	0.059	5	1	1	1	L
L PL.59904	PL.62557	B	#1/0 ACSR	7.06Y	117.7	0.00	7.33	0.00	0	0	0	100	0.00	0.0	4.861	0.038	0	0	0	0	L
L PL.36348	PL.34818	B	6 A (CWC)	7.06Y	117.7	0.00	7.32	0.00	0	0	0	100	0.00	0.0	4.871	0.099	0	0	0	0	L
L PL.35017	PL.36348	B	#2 ACSR	7.06Y	117.7	0.00	7.32	0.00	0	0	0	100	0.00	0.0	4.926	0.055	0	0	0	0	L
L PL.35018	PL.35017	B	#2 ACSR	7.06Y	117.7	0.00	7.32	0.00	0	0	0	100	0.00	0.0	4.965	0.039	0	0	0	0	L
L PL.36349	PL.36348	B	6 A (CWC)	7.06Y	117.7	0.00	7.32	0.00	0	0	0	100	0.00	0.0	5.235	0.364	0	0	0	0	L

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PL.34943	PL.33921	B	#4 ACSR	7.06Y	117.7	0.00	7.30	3.14	2	22	5	98	0.00	0.0	4.720	0.002	0	0	0	1	L
L PD.5268	PL.34943	B	40QA	7.06Y	117.7	0.00	7.30	3.14	8	22	5	98	0.00	0.0	4.720	0.002	0	0	0	1	L
L PL.34944	PD.5268	B	#4 ACSR	7.06Y	117.7	0.00	7.31	3.14	2	22	5	98	0.00	0.0	4.768	0.048	22	5	1	1	L
L PL.33379	PL.33921	B	6 A (CWC)	7.05Y	117.5	0.24	7.55	26.51	19	182	43	97	0.34	0.2	4.930	0.211	13	3	2	23	L
L PL.33380	PL.33379	B	6 A (CWC)	7.04Y	117.4	0.05	7.60	24.69	18	169	40	97	0.07	0.0	4.978	0.048	18	4	2	21	L
L PL.34681	PL.33380	B	6 A (CWC)	7.04Y	117.3	0.10	7.70	22.02	16	151	35	97	0.12	0.1	5.083	0.106	10	2	1	19	L
L PL.33894	PL.34681	B	#4 ACSR	7.04Y	117.3	0.00	7.70	2.22	2	15	4	97	0.00	0.0	5.113	0.030	0	0	0	2	L
L PL.33895	PL.33894	B	#4 ACSR	7.04Y	117.3	0.00	7.71	1.05	1	7	2	96	0.00	0.0	5.252	0.138	7	2	1	1	L
L PL.59192	PL.33894	B	#4 ACSR	7.04Y	117.3	0.00	7.70	1.16	1	8	2	97	0.00	0.0	5.192	0.079	8	2	1	1	L
L PL.59106	PL.34681	B	6 A (CWC)	7.04Y	117.3	0.04	7.74	18.31	13	125	29	97	0.04	0.0	5.138	0.055	4	1	1	16	L
L PL.59107	PL.59106	B	6 A (CWC)	7.03Y	117.2	0.06	7.80	17.79	13	122	28	97	0.06	0.0	5.212	0.074	0	0	0	15	L
L PL.56308	PL.59107	B	#4 ACSR	7.03Y	117.2	0.01	7.81	4.98	4	34	8	97	0.00	0.0	5.244	0.032	0	0	0	3	L
L PL.56307	PL.56308	B	#4 ACSR	7.03Y	117.2	0.01	7.82	4.98	4	34	8	97	0.00	0.0	5.303	0.058	32	7	2	3	L
L PL.56306	PL.56307	B	#4 ACSR	7.03Y	117.2	0.00	7.82	0.32	0	2	1	89	0.00	0.0	5.343	0.040	2	1	1	1	L
L PL.56309	PL.59107	B	6 A (CWC)	7.03Y	117.2	0.03	7.84	12.81	9	88	20	98	0.02	0.0	5.269	0.056	0	0	0	12	L
L PL.34979	PL.56309	B	#2 ACSR	7.03Y	117.2	0.00	7.84	0.79	0	5	1	98	0.00	0.0	5.312	0.043	5	1	1	1	L
L PL.34092	PL.56309	B	#4 ACSR	7.03Y	117.2	0.01	7.84	4.69	4	32	7	98	0.00	0.0	5.307	0.038	19	4	2	3	L
L PL.35447	PL.34092	B	#4 ACSR	7.03Y	117.2	0.00	7.84	1.89	1	13	3	97	0.00	0.0	5.327	0.020	13	3	1	1	L
L PL.35446	PL.56309	B	6 A (CWC)	7.03Y	117.2	0.01	7.84	7.34	5	50	12	97	0.00	0.0	5.294	0.026	36	8	5	8	L
L PL.33908	PL.35446	B	6 A (CWC)	7.03Y	117.2	0.00	7.84	2.09	1	14	3	98	0.00	0.0	5.325	0.031	14	3	3	3	L
L PL.34088	PL.33908	B	6 A (CWC)	7.03Y	117.2	0.00	7.84	0.00	0	0	0	100	0.00	0.0	5.345	0.019	0	0	0	0	L
L PL.34086	PL.34088	B	6 A (CWC)	7.03Y	117.2	0.00	7.84	0.00	0	0	0	100	0.00	0.0	5.382	0.037	0	0	0	0	L
L PL.34972	PL.34088	B	#1/0 ACSR	7.03Y	117.2	0.00	7.84	0.00	0	0	0	100	0.00	0.0	5.377	0.032	0	0	0	0	L
L PL.59115	PL.36480	A	#1/0 ACSR	7.07Y	117.9	0.00	7.10	1.48	1	10	2	98	0.00	0.0	4.587	0.041	10	2	1	1	L
L PL.59116	PL.36480	A	#1/0 ACSR	7.07Y	117.9	0.00	7.10	2.93	1	20	5	97	0.00	0.0	4.550	0.003	0	0	0	1	L
L PD.8672	PL.59116	A	15T	7.07Y	117.9	0.00	7.10	2.93	0	20	5	97	0.00	0.0	4.550	0.003	0	0	0	1	L
L PL.59117	PD.8672	A	#1/0 ACSR	7.07Y	117.9	0.00	7.10	2.93	1	20	5	97	0.00	0.0	4.614	0.065	20	5	1	1	L
PL.36699	PL.36697	C	6 A (CWC)	7.08Y	118.0	0.00	6.96	0.44	0	3	1	95	0.00	0.0	4.414	0.002	0	0	0	2	
PD.5079	PL.36699	C	40QA	7.08Y	118.0	0.00	6.96	0.44	1	3	1	95	0.00	0.0	4.414	0.002	0	0	0	2	
PL.36700	PD.5079	C	6 A (CWC)	7.08Y	118.0	0.00	6.96	0.44	0	3	1	95	0.00	0.0	4.451	0.037	3	1	2	2	
PL.34720	PL.35144	C	#4 ACSR	7.10Y	118.3	0.00	6.68	0.87	1	6	1	99	0.00	0.0	4.147	0.001	0	0	0	1	

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.5144	PL.34720	C	40QA	7.10Y	118.3	0.00	6.68	0.87	2	6	1	99	0.00	0.0	4.147	0.001	0	0	0	1
PL.36339	PD.5144	C	#4 ACSR	7.10Y	118.3	0.00	6.68	0.87	1	6	1	99	0.00	0.0	4.202	0.055	6	1	1	1
PL.33897	PL.36476	C	#2 ACSR	7.14Y	118.9	0.00	6.05	5.53	3	38	9	97	0.00	0.0	3.588	0.039	38	9	3	3
PL.35065	PL.36127	ABC	#2 ACSR	7.14Y	119.0	0.03	5.96	21.43	12	421	185	92	0.08	0.0	3.464	0.098	345	167	2	12
PL.34934	PL.35065	C	6 A (CWC)	7.14Y	119.0	0.00	5.96	10.80	8	75	18	97	0.00	0.0	3.465	0.000	0	0	0	10
PD.5191	PL.34934	C	60QA	7.14Y	119.0	0.00	5.96	10.80	18	75	18	97	0.00	0.0	3.465	0.000	0	0	0	10
PL.34935	PD.5191	C	6 A (CWC)	7.14Y	119.0	0.03	6.00	10.80	8	75	18	97	0.02	0.0	3.539	0.074	6	1	1	10
PL.35738	PL.34935	C	6 A (CWC)	7.14Y	119.0	0.03	6.02	9.99	7	69	16	97	0.01	0.0	3.603	0.064	17	4	1	9
PL.34730	PL.35738	C	#1/0 ACSR	7.14Y	119.0	0.00	6.02	1.16	1	8	2	97	0.00	0.0	3.663	0.060	8	2	1	1
PL.35741	PL.35738	C	6 A (CWC)	7.14Y	119.0	0.02	6.04	6.37	5	44	10	98	0.01	0.0	3.680	0.077	9	2	1	7
PL.35739	PL.35741	C	6 A (CWC)	7.14Y	118.9	0.01	6.05	5.14	4	36	8	98	0.00	0.0	3.721	0.041	13	3	2	6
PL.35740	PL.35739	C	6 A (CWC)	7.14Y	118.9	0.00	6.05	2.45	2	17	4	97	0.00	0.0	3.728	0.008	9	2	1	3
PL.35742	PL.35740	C	6 A (CWC)	7.14Y	118.9	0.00	6.06	1.18	1	8	2	97	0.00	0.0	3.862	0.133	8	2	2	2
PL.34625	PL.35739	C	#4 ACSR	7.14Y	118.9	0.00	6.05	0.78	1	5	1	98	0.00	0.0	3.809	0.088	5	1	1	1
PL.33383	PL.35738	C	#2 ACSR	7.14Y	119.0	0.00	6.02	0.00	0	0	0	100	0.00	0.0	3.634	0.031	0	0	0	0
PL.34435	PL.36124	A	#4 ACSR	7.16Y	119.3	0.01	5.72	5.03	4	35	8	97	0.00	0.0	3.204	0.071	35	8	4	4
PL.34079	PL.34078	C	#4 ACSR	7.16Y	119.3	0.00	5.66	4.62	4	32	8	97	0.00	0.0	3.080	0.005	0	0	0	2
PD.5189	PL.34079	C	75QA	7.16Y	119.3	0.00	5.66	4.62	6	32	8	97	0.00	0.0	3.080	0.005	0	0	0	2
PL.34080	PD.5189	C	#4 ACSR	7.16Y	119.3	0.00	5.66	4.62	4	32	8	97	0.00	0.0	3.111	0.031	32	8	2	2
PL.34421	PL.34359	A	#4 ACSR	7.18Y	119.7	0.00	5.34	3.18	2	22	5	98	0.00	0.0	2.766	0.001	0	0	0	4
PD.5717	PL.34421	A	40QA	7.18Y	119.7	0.00	5.34	3.18	8	22	5	98	0.00	0.0	2.766	0.001	0	0	0	4
PL.34422	PD.5717	A	#4 ACSR	7.18Y	119.7	0.00	5.35	3.18	2	22	5	98	0.00	0.0	2.798	0.032	13	3	2	4
PL.34420	PL.34422	A	#4 ACSR	7.18Y	119.6	0.00	5.35	1.36	1	10	2	98	0.00	0.0	2.958	0.160	10	2	2	2
PL.34417	PL.34419	C	#2 ACSR	7.18Y	119.7	0.00	5.28	2.10	1	15	3	98	0.00	0.0	2.709	0.001	0	0	0	1
PD.5091	PL.34417	C	40QA	7.18Y	119.7	0.00	5.28	2.10	5	15	3	98	0.00	0.0	2.709	0.001	0	0	0	1
PL.34418	PD.5091	C	#2 ACSR	7.18Y	119.7	0.00	5.28	2.10	1	15	3	98	0.00	0.0	2.752	0.044	15	3	1	1
PL.59934	PL.59929	ABC	#1/0 ACSR	7.21Y	120.2	0.05	4.83	104.85	46	2205	536	97	0.86	0.0	2.268	0.030	17	4	3	286
PL.59935	PL.59934	ABC	#1/0 ACSR	7.21Y	120.1	0.05	4.88	104.02	45	2186	531	97	0.72	0.0	2.293	0.025	12	3	1	283
PL.59932	PL.59935	ABC	#1/0 ACSR	7.20Y	120.0	0.17	5.05	103.10	45	2166	526	97	2.62	0.1	2.385	0.092	0	0	0	281
PL.35223	PL.59932	ABC	#1/0 ACSR	7.18Y	119.7	0.28	5.33	101.69	44	2134	516	97	4.27	0.2	2.541	0.155	0	0	0	277
PL.59922	PL.35223	B	#1/0 ACSR	7.18Y	119.7	0.00	5.33	2.61	1	18	4	98	0.00	0.0	2.558	0.017	18	4	2	2

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.36547	PL.35223	ABC	#1/0 ACSR	7.18Y	119.6	0.07	5.40	100.82	44	2111	508	97	1.11	0.1	2.582	0.041	3	1	1	275
PL.36548	PL.36547	ABC	#1/0 ACSR	7.17Y	119.5	0.13	5.54	100.68	44	2107	506	97	2.01	0.1	2.656	0.075	15	3	2	274
PL.34572	PL.36548	C	#4 ACSR	7.17Y	119.5	0.00	5.54	3.41	3	24	6	97	0.00	0.0	2.658	0.001	0	0	0	3
PD.5762	PL.34572	C	75QA	7.17Y	119.5	0.00	5.54	3.41	5	24	6	97	0.00	0.0	2.658	0.001	0	0	0	3
PL.34573	PD.5762	C	#4 ACSR	7.17Y	119.5	0.00	5.54	3.41	3	24	6	97	0.00	0.0	2.688	0.030	8	2	1	3
PL.35673	PL.34573	C	#4 ACSR	7.17Y	119.5	0.00	5.54	2.25	2	16	4	97	0.00	0.0	2.717	0.029	16	4	2	2
PL.35672	PL.36548	ABC	#1/0 ACSR	7.16Y	119.3	0.19	5.72	98.83	43	2067	495	97	2.75	0.1	2.763	0.106	14	3	2	269
PL.35668	PL.35672	ABC	#1/0 ACSR	7.15Y	119.1	0.13	5.85	95.76	42	2000	478	97	1.89	0.1	2.841	0.079	37	9	2	262
PL.35669	PL.35668	ABC	#1/0 ACSR	7.14Y	119.0	0.11	5.97	91.51	40	1909	455	97	1.57	0.1	2.912	0.071	17	4	2	254
PL.34794	PL.35669	C	6 A (CWC)	7.14Y	119.0	0.01	5.98	5.64	4	39	9	97	0.00	0.0	2.981	0.069	14	3	1	5
PL.33871	PL.34794	C	6 A (CWC)	7.14Y	119.0	0.00	5.98	2.70	2	19	4	98	0.00	0.0	3.017	0.035	10	2	1	2
PL.33872	PL.33871	C	6 A (CWC)	7.14Y	119.0	0.00	5.98	1.21	1	8	2	97	0.00	0.0	3.055	0.038	8	2	1	1
PL.33676	PL.34794	C	6 A (CWC)	7.14Y	119.0	0.00	5.98	1.00	1	7	2	96	0.00	0.0	2.999	0.018	7	2	2	2
PL.35350	PL.35669	C	6 A (CWC)	7.14Y	119.0	0.00	5.97	0.00	0	0	0	100	0.00	0.0	2.914	0.001	0	0	0	0
PD.5181	PL.35350	C	75QA	7.14Y	119.0	0.00	5.97	0.00	0	0	0	100	0.00	0.0	2.914	0.001	0	0	0	0
PL.35351	PD.5181	C	6 A (CWC)	7.14Y	119.0	0.00	5.97	0.00	0	0	0	100	0.00	0.0	2.958	0.044	0	0	0	0
PL.35352	PL.35669	ABC	#1/0 ACSR	7.13Y	118.9	0.17	6.14	88.83	39	1852	441	97	2.31	0.1	3.022	0.110	7	2	2	247
PL.35353	PL.35352	ABC	#1/0 ACSR	7.13Y	118.8	0.10	6.24	88.49	38	1842	437	97	1.35	0.1	3.087	0.065	0	0	0	245
PL.34618	PL.35353	ABC	#1/0 ACSR	7.12Y	118.7	0.04	6.28	84.98	37	1768	418	97	0.57	0.0	3.117	0.030	2	1	1	235
PL.34880	PL.34618	B	#2 ACSR	7.12Y	118.7	0.00	6.28	0.87	0	6	1	99	0.00	0.0	3.117	0.000	0	0	0	2
PD.5182	PL.34880	B	40QA	7.12Y	118.7	0.00	6.28	0.87	2	6	1	99	0.00	0.0	3.117	0.000	0	0	0	2
PL.34599	PD.5182	B	#2 ACSR	7.12Y	118.7	0.00	6.29	0.87	0	6	1	99	0.00	0.0	3.231	0.114	6	1	2	2
PL.34619	PL.34618	ABC	#1/0 ACSR	7.12Y	118.7	0.05	6.34	84.58	37	1759	416	97	0.68	0.0	3.153	0.036	7	2	1	232
PL.64362	PL.34619	ABC	#1/0 ACSR	7.11Y	118.5	0.13	6.47	84.25	37	1751	414	97	1.67	0.1	3.241	0.089	0	0	0	231
PL.64363	PL.64362	ABC	#1/0 ACSR	7.11Y	118.5	0.00	6.47	84.25	37	1750	412	97	0.00	0.0	3.241	0.000	3	1	4	231
PL.34780	PL.64363	A	6 A (CWC)	7.11Y	118.5	0.00	6.47	4.85	3	34	8	97	0.00	0.0	3.242	0.001	0	0	0	4
PD.5218	PL.34780	A	75QA	7.11Y	118.5	0.00	6.47	4.85	6	34	8	97	0.00	0.0	3.242	0.001	0	0	0	4
PL.34781	PD.5218	A	6 A (CWC)	7.11Y	118.5	0.04	6.51	4.85	3	34	8	97	0.01	0.0	3.410	0.168	0	0	0	4
PL.34600	PL.34781	A	6 A (CWC)	7.11Y	118.5	0.00	6.51	2.42	2	17	4	97	0.00	0.0	3.454	0.044	0	0	0	3
PL.34954	PL.34600	A	#1/0 ACSR	7.11Y	118.5	0.00	6.51	0.71	0	5	1	98	0.00	0.0	3.487	0.032	5	1	1	1
PL.35269	PL.34600	A	6 A (CWC)	7.11Y	118.5	0.00	6.51	1.72	1	12	3	97	0.00	0.0	3.523	0.068	12	3	2	2

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PL.34804	PL.34781	A	#2 ACSR	7.11Y	118.5	0.00	6.51	2.43	1	17	4	97	0.00	0.0	3.526	0.115	17	4	1	1	
PL.35983	PL.64363	ABC	6 A (CWC)	7.11Y	118.4	0.10	6.57	82.06	59	1704	402	97	1.37	0.1	3.272	0.031	30	7	4	221	
PL.36680	PL.35983	ABC	6 A (CWC)	7.09Y	118.2	0.22	6.79	79.60	57	1652	389	97	3.01	0.2	3.344	0.072	0	0	0	216	
PL.34936	PL.36680	ABC	#4 ACSR	7.09Y	118.1	0.09	6.88	77.45	60	1604	378	97	1.19	0.1	3.375	0.031	12	3	1	209	
L PL.34937	PL.34936	ABC	#4 ACSR	7.08Y	118.0	0.14	7.02	76.89	59	1591	374	97	1.79	0.1	3.422	0.047	3	1	1	208	L
L PL.34104	PL.34937	ABC	#1/0 ACSR	7.07Y	117.9	0.12	7.14	71.33	31	1475	347	97	1.31	0.1	3.519	0.098	20	5	3	193	L
L PL.35932	PL.34104	ABC	#1/0 ACSR	7.06Y	117.7	0.11	7.25	70.38	31	1454	341	97	1.21	0.1	3.613	0.093	21	5	5	190	L
L PL.35930	PL.35932	A	#2 ACSR	7.06Y	117.7	0.00	7.26	3.86	2	27	6	98	0.00	0.0	3.652	0.040	24	5	3	4	L
L PL.35931	PL.35930	A	#2 ACSR	7.06Y	117.7	0.00	7.26	0.43	0	3	1	95	0.00	0.0	3.689	0.037	3	1	1	1	L
L PL.57912	PL.35931	A	#2 ACSR	7.06Y	117.7	0.00	7.26	0.00	0	0	0	100	0.00	0.0	3.734	0.045	0	0	0	0	L
L PL.33753	PL.35932	ABC	#1/0 ACSR	7.06Y	117.7	0.01	7.27	37.62	16	776	181	97	0.08	0.0	3.635	0.022	0	0	0	105	L
L PL.35929	PL.33753	ABC	#1/0 ACSR	7.06Y	117.7	0.00	7.27	37.62	16	776	181	97	0.00	0.0	3.636	0.001	0	0	0	105	L
C PD.5856	PL.35929	ABC	50L	7.06Y	117.7	0.00	7.27	37.62	75	776	181	97	0.00	0.0	3.636	0.001	0	0	0	105	C
L PL.34684	PD.5856	ABC	#1/0 ACSR	7.06Y	117.7	0.02	7.29	37.62	16	776	181	97	0.11	0.0	3.666	0.030	18	4	2	105	L
L PL.34685	PL.34684	ABC	#1/0 ACSR	7.06Y	117.7	0.03	7.32	33.47	15	691	161	97	0.14	0.0	3.713	0.047	7	2	2	98	L
L PL.59479	PL.34685	A	6 A (CWC)	7.06Y	117.7	0.01	7.33	55.31	40	380	89	97	0.03	0.0	3.716	0.003	0	0	0	52	L
L PD.8906	PL.59479	A	40T	7.06Y	117.7	0.00	7.33	55.31	0	380	89	97	0.00	0.0	3.716	0.003	0	0	0	52	L
L PL.59480	PD.8906	A	6 A (CWC)	7.05Y	117.5	0.19	7.51	55.31	40	380	89	97	0.55	0.1	3.792	0.076	12	3	1	52	L
L PL.59476	PL.59480	A	#2 ACSR	7.05Y	117.5	0.00	7.51	2.35	1	16	4	97	0.00	0.0	3.808	0.016	16	4	1	1	L
L PL.59478	PL.59480	A	#2 ACSR	7.05Y	117.5	0.01	7.52	9.74	6	67	16	97	0.01	0.0	3.839	0.047	23	5	2	9	L
L PL.34570	PL.59478	A	#2 ACSR	7.05Y	117.5	0.00	7.53	6.43	4	44	10	98	0.00	0.0	3.865	0.026	17	4	2	7	L
L PL.34081	PL.34570	A	#2 ACSR	7.05Y	117.5	0.00	7.53	3.93	2	27	6	98	0.00	0.0	3.883	0.017	0	0	0	5	L
L PL.34150	PL.34081	A	#2 ACSR	7.05Y	117.5	0.00	7.53	3.93	2	27	6	98	0.00	0.0	3.890	0.007	10	2	3	5	L
L PL.52479	PL.34150	A	#2 ACSR	7.05Y	117.5	0.00	7.53	2.45	1	17	4	97	0.00	0.0	3.933	0.043	17	4	2	2	L
L PL.59477	PL.59480	A	6 A (CWC)	7.04Y	117.4	0.09	7.60	41.48	30	285	66	97	0.20	0.1	3.842	0.050	11	2	1	41	L
L PL.34812	PL.59477	A	6 A (CWC)	7.04Y	117.3	0.06	7.66	39.93	29	274	64	97	0.12	0.0	3.876	0.034	40	9	4	40	L
L PL.35647	PL.34812	A	6 A (CWC)	7.04Y	117.3	0.04	7.70	19.10	14	131	31	97	0.04	0.0	3.919	0.043	5	1	2	26	L
L PL.35648	PL.35647	A	6 A (CWC)	7.04Y	117.3	0.05	7.75	18.44	13	126	29	97	0.05	0.0	3.987	0.067	19	4	4	24	L
L PL.33849	PL.35648	A	6 A (CWC)	7.03Y	117.2	0.01	7.76	3.72	3	26	6	97	0.00	0.0	4.031	0.045	9	2	1	4	L
L PL.33850	PL.33849	A	6 A (CWC)	7.03Y	117.2	0.00	7.76	2.43	2	17	4	97	0.00	0.0	4.096	0.065	17	4	2	3	L
L PL.36153	PL.33850	A	6 A (CWC)	7.03Y	117.2	0.00	7.76	0.01	0	0	0	100	0.00	0.0	4.114	0.017	0	0	1	1	L

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PL.35651	PL.35648	A	#4 ACSR	7.03Y	117.2	0.02	7.77	9.06	7	62	14	98	0.01	0.0	4.033	0.046	8	2	2	13	L
L PL.34752	PL.35651	A	#4 ACSR	7.03Y	117.2	0.01	7.78	4.59	4	31	7	98	0.00	0.0	4.095	0.062	15	4	2	7	L
L PL.52537	PL.34752	A	#4 ACSR	7.03Y	117.2	0.00	7.78	1.78	1	12	3	97	0.00	0.0	4.147	0.052	6	1	2	4	L
L PL.52538	PL.52537	A	#4 ACSR	7.03Y	117.2	0.00	7.78	0.84	1	6	1	99	0.00	0.0	4.211	0.064	6	1	2	2	L
L PL.55977	PL.34752	A	#1/0 ACSR	7.03Y	117.2	0.00	7.78	0.57	0	4	1	97	0.00	0.0	4.146	0.051	4	1	1	1	L
L PL.35649	PL.35651	A	#4 ACSR	7.03Y	117.2	0.00	7.77	3.27	3	22	5	98	0.00	0.0	4.061	0.028	12	3	3	4	L
L PL.35650	PL.35649	A	#4 ACSR	7.03Y	117.2	0.00	7.77	1.59	1	11	3	96	0.00	0.0	4.082	0.020	11	3	1	1	L
L PL.55975	PL.35648	A	6 A (CWC)	7.03Y	117.2	0.00	7.75	2.95	2	20	5	97	0.00	0.0	4.035	0.048	9	2	1	3	L
L PL.55976	PL.55975	A	6 A (CWC)	7.03Y	117.2	0.00	7.76	1.61	1	11	3	96	0.00	0.0	4.081	0.047	6	1	1	2	L
L PL.34485	PL.55976	A	6 A (CWC)	7.03Y	117.2	0.00	7.76	0.67	0	5	1	98	0.00	0.0	4.162	0.081	0	0	0	1	L
L PL.34486	PL.34485	A	6 A (CWC)	7.03Y	117.2	0.00	7.76	0.67	0	5	1	98	0.00	0.0	4.209	0.046	5	1	1	1	L
L PL.35659	PL.34812	A	#4 ACSR	7.04Y	117.3	0.03	7.69	14.99	12	103	24	97	0.02	0.0	3.938	0.062	36	8	3	10	L
L PL.34808	PL.35659	A	#4 ACSR	7.04Y	117.3	0.01	7.70	3.55	3	24	6	97	0.00	0.0	4.004	0.067	24	6	3	3	L
L PL.35660	PL.35659	A	#4 ACSR	7.04Y	117.3	0.01	7.71	6.17	5	42	10	97	0.00	0.0	3.994	0.057	11	3	1	4	L
L PL.34480	PL.35660	A	#2 ACSR	7.04Y	117.3	0.00	7.71	1.28	1	9	2	98	0.00	0.0	4.028	0.034	9	2	1	1	L
L PL.35324	PL.35660	A	#4 ACSR	7.04Y	117.3	0.01	7.71	3.29	3	23	5	98	0.00	0.0	4.055	0.060	10	2	1	2	L
L PL.34896	PL.35324	A	#2 ACSR	7.04Y	117.3	0.00	7.72	1.88	1	13	3	97	0.00	0.0	4.089	0.034	13	3	1	1	L
L PL.64414	PL.34685	ABC	#1/0 ACSR	7.06Y	117.7	0.01	7.33	14.70	6	303	71	97	0.02	0.0	3.749	0.036	15	4	2	44	L
L PL.64415	PL.64414	ABC	#1/0 ACSR	7.06Y	117.7	0.01	7.33	13.97	6	288	67	97	0.01	0.0	3.775	0.026	0	0	0	42	L
L PL.36581	PL.64415	ABC	#1/0 ACSR	7.06Y	117.7	0.01	7.34	13.97	6	288	67	97	0.02	0.0	3.821	0.046	3	1	1	42	L
L PL.36582	PL.36581	ABC	#1/0 ACSR	7.06Y	117.6	0.01	7.35	13.45	6	277	65	97	0.02	0.0	3.859	0.039	15	4	3	40	L
L PL.36585	PL.36582	A	6 A (CWC)	7.06Y	117.6	0.00	7.35	2.44	2	17	4	97	0.00	0.0	3.860	0.001	0	0	0	2	L
L PD.5092	PL.36585	A	40QA	7.06Y	117.6	0.00	7.35	2.44	6	17	4	97	0.00	0.0	3.860	0.001	0	0	0	2	L
L PL.36586	PD.5092	A	6 A (CWC)	7.06Y	117.6	0.00	7.35	2.44	2	17	4	97	0.00	0.0	3.886	0.026	17	4	2	2	L
L PL.36679	PL.36582	ABC	#1/0 ACSR	7.06Y	117.6	0.01	7.37	11.89	5	245	57	97	0.02	0.0	3.922	0.063	19	4	2	35	L
L PL.33120	PL.36679	ABC	#1/0 ACSR	7.06Y	117.6	0.01	7.37	9.86	4	203	47	97	0.01	0.0	3.953	0.030	0	0	0	31	L
L PL.34130	PL.33120	ABC	#1/0 ACSR	7.06Y	117.6	0.01	7.39	9.86	4	203	47	97	0.02	0.0	4.040	0.087	6	2	1	31	L
L PL.35535	PL.34130	A	#4 ACSR	7.06Y	117.6	0.00	7.39	2.56	2	18	4	98	0.00	0.0	4.041	0.001	0	0	0	2	L
L PD.5715	PL.35535	A	40QA	7.06Y	117.6	0.00	7.39	2.56	6	18	4	98	0.00	0.0	4.041	0.001	0	0	0	2	L
L PL.34691	PD.5715	A	#4 ACSR	7.06Y	117.6	0.00	7.39	2.56	2	18	4	98	0.00	0.0	4.098	0.057	10	2	1	2	L
L PL.35069	PL.34691	A	#2 ACSR	7.06Y	117.6	0.00	7.39	0.00	0	0	0	100	0.00	0.0	4.133	0.035	0	0	0	0	L

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PL.34692	PL.34691	A	#4 ACSR	7.06Y	117.6	0.00	7.39	1.05	1	7	2	96	0.00	0.0	4.137	0.038	7	2	1	1	L
L PL.35976	PL.34130	ABC	#1/0 ACSR	7.06Y	117.6	0.01	7.40	8.69	4	179	42	97	0.01	0.0	4.117	0.077	23	5	3	28	L
L PL.35977	PL.35976	ABC	#1/0 ACSR	7.06Y	117.6	0.01	7.40	7.59	3	156	36	97	0.01	0.0	4.175	0.057	0	0	0	25	L
L PL.52482	PL.35977	ABC	#1/0 ACSR	7.06Y	117.6	0.01	7.41	7.59	3	156	36	97	0.01	0.0	4.221	0.047	0	0	0	25	L
L PL.52484	PL.52482	A	#4 ACSR	7.06Y	117.6	0.00	7.41	2.79	2	19	4	98	0.00	0.0	4.222	0.001	0	0	0	2	L
L PD.5763	PL.52484	A	40QA	7.06Y	117.6	0.00	7.41	2.79	7	19	4	98	0.00	0.0	4.222	0.001	0	0	0	2	L
L PL.35975	PD.5763	A	#4 ACSR	7.05Y	117.6	0.01	7.42	2.79	2	19	4	98	0.00	0.0	4.317	0.095	0	0	0	2	L
L PL.33761	PL.35975	A	#4 ACSR	7.05Y	117.6	0.00	7.42	2.79	2	19	4	98	0.00	0.0	4.347	0.029	19	4	2	2	L
L PL.52483	PL.52482	A	#4 ACSR	7.06Y	117.6	0.00	7.42	3.52	3	24	6	97	0.00	0.0	4.281	0.059	24	6	3	3	L
L PL.52552	PL.52482	C	#4 ACSR	7.06Y	117.6	0.00	7.41	1.04	1	7	2	96	0.00	0.0	4.222	0.001	0	0	0	1	L
L PD.8047	PL.52552	C	40QA	7.06Y	117.6	0.00	7.41	1.04	3	7	2	96	0.00	0.0	4.222	0.001	0	0	0	1	L
L PL.52557	PD.8047	C	#4 ACSR	7.06Y	117.6	0.00	7.41	1.04	1	7	2	96	0.00	0.0	4.271	0.049	7	2	1	1	L
L PL.52559	PL.52482	ABC	#4 ACSR	7.05Y	117.6	0.01	7.42	4.72	4	97	23	97	0.01	0.0	4.299	0.078	0	0	0	14	L
L PL.62680	PL.52559	C	#1/0 ACSR	7.05Y	117.6	0.00	7.43	1.95	1	13	3	97	0.00	0.0	4.324	0.025	11	3	1	2	L
L PL.62681	PL.62680	C	#1/0 ACSR	7.05Y	117.6	0.00	7.43	0.36	0	2	1	89	0.00	0.0	4.369	0.046	2	1	1	1	L
L PL.52560	PL.52559	ABC	#4 ACSR	7.05Y	117.5	0.05	7.47	4.07	3	84	20	97	0.03	0.0	4.625	0.326	0	0	0	12	L
L PL.52543	PL.52560	ABC	#4 ACSR	7.05Y	117.5	0.01	7.48	2.92	2	60	14	97	0.00	0.0	4.698	0.073	0	0	0	8	L
L PL.52546	PL.52543	ABC	#4 ACSR	7.05Y	117.5	0.00	7.49	2.09	2	43	10	97	0.00	0.0	4.737	0.040	0	0	0	6	L
L PL.52549	PL.52546	ABC	#4 ACSR	7.05Y	117.5	0.00	7.49	0.92	1	19	4	98	0.00	0.0	4.757	0.020	0	0	0	4	L
L PL.52555	PL.52549	ABC	#4 ACSR	7.05Y	117.5	0.00	7.49	0.61	0	13	3	97	0.00	0.0	4.784	0.027	2	0	1	2	L
L PL.52556	PL.52555	ABC	#4 ACSR	7.05Y	117.5	0.00	7.49	0.53	0	11	3	96	0.00	0.0	4.820	0.036	11	3	1	1	L
L PL.52550	PL.52549	A	#2 ACSR	7.05Y	117.5	0.00	7.49	0.92	1	6	1	99	0.00	0.0	4.758	0.001	0	0	0	2	L
L PD.8046	PL.52550	A	40QA	7.05Y	117.5	0.00	7.49	0.92	2	6	1	99	0.00	0.0	4.758	0.001	0	0	0	2	L
L PL.52551	PD.8046	A	#2 ACSR	7.05Y	117.5	0.00	7.49	0.92	1	6	1	99	0.00	0.0	4.803	0.045	0	0	1	2	L
L PL.52375	PL.52551	A	#2 ACSR	7.05Y	117.5	0.00	7.49	0.91	1	6	1	99	0.00	0.0	4.901	0.097	6	1	1	1	L
L PL.52547	PL.52546	A	#4 ACSR	7.05Y	117.5	0.00	7.49	3.52	3	24	6	97	0.00	0.0	4.738	0.001	0	0	0	2	L
L PD.8045	PL.52547	A	40QA	7.05Y	117.5	0.00	7.49	3.52	9	24	6	97	0.00	0.0	4.738	0.001	0	0	0	2	L
L PL.52548	PD.8045	A	#4 ACSR	7.05Y	117.5	0.00	7.49	3.52	3	24	6	97	0.00	0.0	4.751	0.013	24	6	2	2	L
L PL.52544	PL.52543	A	#4 ACSR	7.05Y	117.5	0.00	7.48	2.48	2	17	4	97	0.00	0.0	4.699	0.001	0	0	0	2	L
L PD.8044	PL.52544	A	40QA	7.05Y	117.5	0.00	7.48	2.48	6	17	4	97	0.00	0.0	4.699	0.001	0	0	0	2	L
L PL.52545	PD.8044	A	#4 ACSR	7.05Y	117.5	0.00	7.48	2.48	2	17	4	97	0.00	0.0	4.725	0.027	17	4	2	2	L

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

Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PL.52542	PL.52560	C	#2 ACSR	7.05Y	117.5	0.00	7.47	3.45	2	24	6	97	0.00	0.0	4.626	0.001	0	0	0	4	L
L PD.8043	PL.52542	C	40QA	7.05Y	117.5	0.00	7.47	3.45	9	24	6	97	0.00	0.0	4.626	0.001	0	0	0	4	L
L PL.52568	PD.8043	C	#2 ACSR	7.05Y	117.5	0.00	7.48	3.45	2	24	6	97	0.00	0.0	4.655	0.029	0	0	1	4	L
L PL.52564	PL.52568	C	#2 ACSR	7.05Y	117.5	0.00	7.48	3.45	2	24	6	97	0.00	0.0	4.690	0.035	0	0	0	3	L
L PL.52561	PL.52564	C	#2 ACSR	7.05Y	117.5	0.00	7.49	3.45	2	24	6	97	0.00	0.0	4.724	0.034	0	0	1	3	L
L PL.55973	PL.52561	C	#2 ACSR	7.05Y	117.5	0.00	7.49	3.43	2	24	5	98	0.00	0.0	4.769	0.045	10	2	1	2	L
L PL.55974	PL.55973	C	#2 ACSR	7.05Y	117.5	0.00	7.49	1.94	1	13	3	97	0.00	0.0	4.792	0.023	13	3	1	1	L
L PL.52567	PL.52568	C	#2 ACSR	7.05Y	117.5	0.00	7.48	0.00	0	0	0	100	0.00	0.0	4.693	0.038	0	0	0	0	L
L PL.52572	PL.52482	C	#2 ACSR	7.06Y	117.6	0.00	7.41	1.25	1	9	2	98	0.00	0.0	4.266	0.044	9	2	5	5	L
L PL.33121	PL.36679	A	6 A (CWC)	7.06Y	117.6	0.00	7.37	3.38	2	23	5	98	0.00	0.0	3.923	0.001	0	0	0	2	L
L PD.5716	PL.33121	A	50QA	7.06Y	117.6	0.00	7.37	3.38	7	23	5	98	0.00	0.0	3.923	0.001	0	0	0	2	L
L PL.34131	PD.5716	A	6 A (CWC)	7.06Y	117.6	0.00	7.37	3.38	2	23	5	98	0.00	0.0	3.953	0.030	11	3	1	2	L
L PL.34129	PL.34131	A	6 A (CWC)	7.06Y	117.6	0.00	7.37	1.76	1	12	3	97	0.00	0.0	3.986	0.032	12	3	1	1	L
L PL.36583	PL.36581	C	6 A (CWC)	7.06Y	117.7	0.00	7.34	1.19	1	8	2	97	0.00	0.0	3.822	0.001	0	0	0	1	L
L PD.5185	PL.36583	C	25QA	7.06Y	117.7	0.00	7.34	1.19	5	8	2	97	0.00	0.0	3.822	0.001	0	0	0	1	L
L PL.36584	PD.5185	C	6 A (CWC)	7.06Y	117.7	0.00	7.34	1.19	1	8	2	97	0.00	0.0	3.849	0.028	8	2	1	1	L
L PL.62093	PL.34684	C	#2 ACSR	7.06Y	117.7	0.00	7.29	9.88	6	68	16	97	0.00	0.0	3.669	0.003	0	0	0	5	L
L PD.9361	PL.62093	C	20T	7.06Y	117.7	0.00	7.29	9.88	0	68	16	97	0.00	0.0	3.669	0.003	0	0	0	5	L
L PL.62094	PD.9361	C	#2 ACSR	7.06Y	117.7	0.00	7.29	9.88	6	68	16	97	0.00	0.0	3.687	0.018	68	16	5	5	L
L PL.52812	PL.35932	ABC	#1/0 ACSR	7.06Y	117.7	0.00	7.26	30.43	13	628	147	97	0.01	0.0	3.617	0.005	0	0	0	76	L
L PL.52813	PL.52812	ABC	#1/0 ACSR	7.06Y	117.7	0.05	7.31	30.43	13	628	147	97	0.24	0.0	3.716	0.099	13	3	2	76	L
L PL.34771	PL.52813	C	#2 ACSR	7.06Y	117.7	0.00	7.31	2.22	1	15	4	97	0.00	0.0	3.718	0.002	0	0	0	1	L
L PD.5186	PL.34771	C	40QA	7.06Y	117.7	0.00	7.31	2.22	6	15	4	97	0.00	0.0	3.718	0.002	0	0	0	1	L
L PL.34777	PD.5186	C	#2 ACSR	7.06Y	117.7	0.00	7.31	2.22	1	15	4	97	0.00	0.0	3.755	0.037	15	4	1	1	L
L PL.35407	PL.52813	ABC	#1/0 ACSR	7.06Y	117.6	0.05	7.36	29.08	13	600	141	97	0.24	0.0	3.825	0.109	26	6	2	73	L
L PL.35408	PL.35407	ABC	#1/0 ACSR	7.06Y	117.6	0.04	7.40	27.79	12	573	134	97	0.15	0.0	3.899	0.074	19	4	2	71	L
L PL.36775	PL.35408	C	6 A (CWC)	7.06Y	117.6	0.00	7.40	3.62	3	25	6	97	0.00	0.0	3.900	0.001	0	0	0	2	L
L PD.5187	PL.36775	C	75QA	7.06Y	117.6	0.00	7.40	3.62	5	25	6	97	0.00	0.0	3.900	0.001	0	0	0	2	L
L PL.36776	PD.5187	C	6 A (CWC)	7.06Y	117.6	0.00	7.40	3.62	3	25	6	97	0.00	0.0	3.958	0.059	25	6	2	2	L
L PL.34719	PL.35408	C	6 A (CWC)	7.06Y	117.6	0.01	7.41	2.95	2	20	5	97	0.00	0.0	3.976	0.077	11	3	2	4	L
L PL.66247	PL.34719	C	6 A (CWC)	7.06Y	117.6	0.00	7.41	1.37	1	9	2	98	0.00	0.0	3.976	0.000	0	0	0	2	L

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

Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PL.66248	PL.66247	C	6 A (CWC)	7.06Y	117.6	0.00	7.41	1.37	1	9	2	98	0.00	0.0	4.028	0.052	9	2	2	2	L
L PL.34938	PL.35408	ABC	#1/0 ACSR	7.05Y	117.5	0.06	7.46	24.69	11	509	119	97	0.22	0.0	4.037	0.138	0	0	0	63	L
L PL.35002	PL.34938	C	#4 ACSR	7.05Y	117.5	0.00	7.46	5.09	4	35	8	97	0.00	0.0	4.037	0.001	0	0	0	4	L
L PD.5188	PL.35002	C	75QA	7.05Y	117.5	0.00	7.46	5.09	7	35	8	97	0.00	0.0	4.037	0.001	0	0	0	4	L
L PL.35003	PD.5188	C	#4 ACSR	7.05Y	117.5	0.05	7.51	5.09	4	35	8	97	0.01	0.0	4.240	0.203	0	0	0	4	L
L PL.34072	PL.35003	C	#4 ACSR	7.05Y	117.5	0.00	7.51	2.89	2	20	5	97	0.00	0.0	4.280	0.040	20	5	3	3	L
L PL.35593	PL.35003	C	#4 ACSR	7.05Y	117.5	0.01	7.51	2.20	2	15	4	97	0.00	0.0	4.334	0.093	0	0	0	1	L
L PL.35594	PL.35593	C	#4 ACSR	7.05Y	117.5	0.00	7.52	2.20	2	15	4	97	0.00	0.0	4.384	0.050	15	4	1	1	L
L PL.35137	PL.34938	ABC	6 A (CWC)	7.05Y	117.5	0.06	7.51	22.99	16	474	111	97	0.21	0.0	4.099	0.062	15	3	1	59	L
L PL.35183	PL.35137	ABC	#1/0 ACSR	7.05Y	117.5	0.03	7.54	21.01	9	433	101	97	0.10	0.0	4.180	0.081	0	0	0	53	L
L PL.34657	PL.35183	ABC	#1/0 ACSR	7.05Y	117.5	0.00	7.55	21.01	9	432	101	97	0.00	0.0	4.181	0.001	0	0	0	53	L
L PD.5787	PL.34657	ABC	50L	7.05Y	117.5	0.00	7.55	21.01	42	432	101	97	0.00	0.0	4.181	0.001	0	0	0	53	L
L PL.34658	PD.5787	ABC	#1/0 ACSR	7.05Y	117.4	0.01	7.55	21.01	9	432	101	97	0.02	0.0	4.196	0.015	10	2	1	53	L
L PL.35000	PL.34658	ABC	#1/0 ACSR	7.05Y	117.4	0.01	7.56	19.77	9	407	95	97	0.03	0.0	4.223	0.028	17	4	1	49	L
L PL.34653	PL.35000	ABC	#1/0 ACSR	7.05Y	117.4	0.01	7.57	17.27	8	355	83	97	0.02	0.0	4.245	0.021	0	0	0	44	L
L PL.34654	PL.34653	ABC	#1/0 ACSR	7.04Y	117.4	0.02	7.59	17.27	8	355	83	97	0.06	0.0	4.324	0.080	0	0	0	44	L
L PL.34652	PL.34654	ABC	#1/0 ACSR	7.04Y	117.4	0.01	7.60	17.26	8	355	83	97	0.03	0.0	4.360	0.035	12	3	1	43	L
L PL.34655	PL.34652	ABC	#1/0 ACSR	7.04Y	117.4	0.01	7.61	16.69	7	343	80	97	0.03	0.0	4.397	0.037	0	0	0	42	L
L PL.34656	PL.34655	ABC	#1/0 ACSR	7.04Y	117.4	0.02	7.63	16.69	7	343	80	97	0.05	0.0	4.460	0.063	0	0	0	42	L
L PL.58769	PL.34656	C	6 A (CWC)	7.04Y	117.4	0.00	7.63	8.84	6	61	14	97	0.00	0.0	4.464	0.004	0	0	0	6	L
L PD.8735	PL.58769	C	25T	7.04Y	117.4	0.00	7.63	8.84	0	61	14	97	0.00	0.0	4.464	0.004	0	0	0	6	L
L PL.58770	PD.8735	C	6 A (CWC)	7.04Y	117.3	0.03	7.66	8.84	6	61	14	97	0.01	0.0	4.537	0.073	16	4	2	6	L
L PL.36048	PL.58770	C	6 A (CWC)	7.04Y	117.3	0.01	7.67	2.45	2	17	4	97	0.00	0.0	4.728	0.191	17	4	1	1	L
L PL.34290	PL.58770	C	#4 ACSR	7.04Y	117.3	0.01	7.67	3.99	3	27	6	98	0.00	0.0	4.606	0.069	17	4	1	3	L
L PL.34291	PL.34290	C	#4 ACSR	7.04Y	117.3	0.00	7.67	1.52	1	10	2	98	0.00	0.0	4.631	0.025	10	2	2	2	L
L PL.35694	PL.34656	ABC	#1/0 ACSR	7.04Y	117.3	0.04	7.67	13.74	6	283	66	97	0.09	0.0	4.633	0.173	0	0	0	36	L
L PL.35115	PL.35694	C	#4 ACSR	7.04Y	117.3	0.00	7.68	3.59	3	25	6	97	0.00	0.0	4.691	0.058	25	6	2	2	L
L PL.35107	PL.35694	ABC	#1/0 ACSR	7.04Y	117.3	0.04	7.72	12.54	5	258	60	97	0.08	0.0	4.829	0.196	4	1	1	34	L
L PL.34351	PL.35107	C	6 A (CWC)	7.04Y	117.3	0.00	7.72	2.11	2	14	3	98	0.00	0.0	4.866	0.036	14	3	4	4	L
L PL.35108	PL.35107	ABC	#1/0 ACSR	7.04Y	117.3	0.01	7.73	11.63	5	239	56	97	0.02	0.0	4.900	0.071	8	2	1	29	L
L PL.36693	PL.35108	ABC	#1/0 ACSR	7.04Y	117.3	0.01	7.74	10.60	5	218	51	97	0.02	0.0	4.969	0.069	0	0	0	26	L

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PL.36694	PL.36693	ABC	#1/0 ACSR	7.03Y	117.2	0.01	7.75	10.60	5	218	51	97	0.02	0.0	5.026	0.057	21	5	2	26	L
L PL.34356	PL.36694	C	#2 ACSR	7.03Y	117.2	0.08	7.83	26.70	15	183	43	97	0.11	0.1	5.125	0.099	9	2	1	21	L
L PL.33385	PL.34356	C	#2 ACSR	7.03Y	117.2	0.00	7.83	1.33	1	9	2	98	0.00	0.0	5.174	0.049	9	2	1	1	L
L PL.33388	PL.34356	C	#2 ACSR	7.03Y	117.1	0.05	7.89	24.09	14	165	38	97	0.07	0.0	5.201	0.076	10	2	1	19	L
L PL.59297	PL.33388	C	#4 ACSR	7.03Y	117.1	0.00	7.89	2.39	2	16	4	97	0.00	0.0	5.203	0.003	0	0	0	2	L
L PD.8775	PL.59297	C	30T	7.03Y	117.1	0.00	7.89	2.39	0	16	4	97	0.00	0.0	5.203	0.003	0	0	0	2	L
L PL.59298	PD.8775	C	#4 ACSR	7.03Y	117.1	0.01	7.90	2.39	2	16	4	97	0.00	0.0	5.310	0.107	8	2	1	2	L
L PL.36191	PL.59298	C	#4 ACSR	7.03Y	117.1	0.00	7.90	1.19	1	8	2	97	0.00	0.0	5.378	0.068	0	0	0	1	L
L PL.36192	PL.36191	C	#4 ACSR	7.03Y	117.1	0.00	7.90	1.19	1	8	2	97	0.00	0.0	5.457	0.078	8	2	1	1	L
L PL.36189	PL.33388	C	#2 ACSR	7.02Y	117.1	0.05	7.94	20.23	12	138	32	97	0.05	0.0	5.290	0.089	19	4	2	16	L
L PL.36190	PL.36189	C	#2 ACSR	7.02Y	117.0	0.02	7.96	17.47	10	119	28	97	0.02	0.0	5.337	0.047	10	2	1	14	L
L PL.34660	PL.36190	C	#2 ACSR	7.02Y	117.0	0.01	7.97	15.95	9	109	25	97	0.01	0.0	5.363	0.026	65	15	7	13	L
L PL.34659	PL.34660	C	#2 ACSR	7.02Y	117.0	0.01	7.98	6.45	4	44	10	98	0.00	0.0	5.406	0.042	0	0	0	6	L
L PL.59943	PL.34659	C	#2 ACSR	7.02Y	117.0	0.01	7.99	6.45	4	44	10	98	0.00	0.0	5.481	0.075	13	3	2	6	L
L PL.62540	PL.59943	C	#2 ACSR	7.02Y	117.0	0.00	8.00	4.56	3	31	7	98	0.00	0.0	5.510	0.029	13	3	1	4	L
L PL.62539	PL.62540	C	#4 ACSR	7.02Y	117.0	0.01	8.01	2.60	2	18	4	98	0.00	0.0	5.599	0.089	0	0	0	3	L
L PL.61975	PL.62539	C	#1/0 ACSR	7.02Y	117.0	0.00	8.01	2.48	1	17	4	97	0.00	0.0	5.625	0.026	17	4	1	1	L
L PL.62702	PL.62539	C	#4 ACSR	7.02Y	117.0	0.00	8.01	0.12	0	1	0	100	0.00	0.0	5.707	0.108	0	0	0	2	L
L PL.62701	PL.62702	C	#1/0 ACSR	7.02Y	117.0	0.00	8.01	0.12	0	1	0	100	0.00	0.0	5.745	0.038	1	0	1	1	L
L PL.62703	PL.62702	C	#4 ACSR	7.02Y	117.0	0.00	8.01	0.00	0	0	0	100	0.00	0.0	5.801	0.095	0	0	1	1	L
L PL.36695	PL.36694	C	#4 ACSR	7.03Y	117.2	0.01	7.76	2.03	2	14	3	98	0.00	0.0	5.124	0.098	4	1	1	3	L
L PL.36696	PL.36695	C	#4 ACSR	7.03Y	117.2	0.00	7.76	0.24	0	2	0	100	0.00	0.0	5.174	0.050	2	0	1	1	L
L PL.35662	PL.36695	C	#2 ACSR	7.03Y	117.2	0.00	7.76	1.25	1	9	2	98	0.00	0.0	5.155	0.031	9	2	1	1	L
L PL.36347	PL.35108	C	#2 ACSR	7.04Y	117.3	0.01	7.74	1.89	1	13	3	97	0.00	0.0	5.022	0.122	0	0	0	2	L
L PL.57762	PL.36347	C	#2 ACSR	7.04Y	117.3	0.00	7.74	1.89	1	13	3	97	0.00	0.0	5.064	0.042	0	0	1	2	L
L PL.57764	PL.57762	C	#1/0 ACSR	7.04Y	117.3	0.00	7.74	1.89	1	13	3	97	0.00	0.0	5.087	0.023	0	0	0	1	L
L PL.57763	PL.57764	C	#1/0 ACSR	7.04Y	117.3	0.00	7.74	1.89	1	13	3	97	0.00	0.0	5.131	0.044	0	0	0	1	L
L PL.57766	PL.57763	C	#1/0 ACSR	7.04Y	117.3	0.00	7.74	1.89	1	13	3	97	0.00	0.0	5.134	0.003	0	0	0	1	L
L PD.8384	PL.57766	C	15T	7.04Y	117.3	0.00	7.74	1.89	0	13	3	97	0.00	0.0	5.134	0.003	0	0	0	1	L
L PL.57765	PD.8384	C	#1/0 ACSR	7.04Y	117.3	0.00	7.74	1.89	1	13	3	97	0.00	0.0	5.163	0.029	0	0	0	1	L
L PL.57761	PL.57765	C	#1/0 ACSR	7.04Y	117.3	0.00	7.75	1.89	1	13	3	97	0.00	0.0	5.220	0.057	0	0	0	1	L

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

Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PL.57476	PL.57761	C	#1/0 ACSR	7.04Y	117.3	0.00	7.75	1.89	1	13	3	97	0.00	0.0	5.273	0.052	13	3	1	1	L
L PL.35001	PL.34654	C	#2 ACSR	7.04Y	117.4	0.00	7.59	0.04	0	0	0	100	0.00	0.0	4.326	0.001	0	0	0	1	L
L PD.5764	PL.35001	C	40QA	7.04Y	117.4	0.00	7.59	0.04	0	0	0	100	0.00	0.0	4.326	0.001	0	0	0	1	L
L PL.35833	PD.5764	C	#2 ACSR	7.04Y	117.4	0.00	7.59	0.04	0	0	0	100	0.00	0.0	4.381	0.056	0	0	0	1	L
L PL.35834	PL.35833	C	#2 ACSR	7.04Y	117.4	0.00	7.59	0.04	0	0	0	100	0.00	0.0	4.393	0.012	0	0	1	1	L
L PL.35226	PL.35000	C	#2 ACSR	7.05Y	117.4	0.01	7.57	4.90	3	34	8	97	0.00	0.0	4.311	0.088	34	8	3	3	L
L PL.52374	PL.35000	C	6 A (CWC)	7.05Y	117.4	0.00	7.56	0.05	0	0	0	100	0.00	0.0	4.252	0.029	0	0	1	1	L
L PL.35197	PL.34658	C	#4 ACSR	7.05Y	117.4	0.01	7.56	2.26	2	16	4	97	0.00	0.0	4.333	0.138	16	4	3	3	L
L PL.66646	PL.35137	C	6 A (CWC)	7.05Y	117.5	0.00	7.52	3.78	3	26	6	97	0.00	0.0	4.102	0.003	0	0	0	5	L
L PD.10405	PL.66646	C	25T	7.05Y	117.5	0.00	7.52	3.78	0	26	6	97	0.00	0.0	4.102	0.003	0	0	0	5	L
L PL.66647	PD.10405	C	6 A (CWC)	7.05Y	117.5	0.02	7.53	3.78	3	26	6	97	0.00	0.0	4.203	0.101	0	0	0	5	L
L PL.35196	PL.66647	C	6 A (CWC)	7.05Y	117.5	0.00	7.53	0.95	1	7	2	96	0.00	0.0	4.257	0.054	7	2	1	1	L
L PL.64359	PL.66647	C	6 A (CWC)	7.05Y	117.5	0.01	7.54	2.83	2	19	5	97	0.00	0.0	4.296	0.093	0	0	0	4	L
L PL.64358	PL.64359	C	6 A (CWC)	7.05Y	117.5	0.00	7.54	0.00	0	0	0	100	0.00	0.0	4.444	0.148	0	0	0	0	L
L PL.64361	PL.64359	C	6 A (CWC)	7.05Y	117.5	0.00	7.55	0.22	0	2	0	100	0.00	0.0	4.405	0.109	2	0	1	1	L
L PL.64360	PL.64359	C	#4 ACSR	7.05Y	117.4	0.01	7.55	2.61	2	18	4	98	0.00	0.0	4.400	0.104	5	1	1	3	L
L PL.36194	PL.64360	C	#4 ACSR	7.05Y	117.4	0.00	7.56	1.82	1	13	3	97	0.00	0.0	4.444	0.044	0	0	0	2	L
L PL.36195	PL.36194	C	#4 ACSR	7.05Y	117.4	0.00	7.56	1.79	1	12	3	97	0.00	0.0	4.470	0.026	12	3	1	1	L
L PL.34446	PL.36194	C	#2 ACSR	7.05Y	117.4	0.00	7.56	0.03	0	0	0	100	0.00	0.0	4.494	0.050	0	0	1	1	L
L PL.64357	PL.64359	C	#2 ACSR	7.05Y	117.5	0.00	7.54	0.00	0	0	0	100	0.00	0.0	4.414	0.118	0	0	0	0	L
L CP.97	PL.52812	ABC	Cap (300)	7.06Y	117.7	0.00	7.26	0.00	0	0	0	100	0.00	0.0	3.617	0.118	0	0	0	0	L
L PL.33699	PL.34937	B	6 A (CWC)	7.08Y	118.0	0.00	7.02	12.86	9	89	21	97	0.00	0.0	3.423	0.001	0	0	0	11	L
L PD.5266	PL.33699	B	75QA	7.08Y	118.0	0.00	7.02	12.86	17	89	21	97	0.00	0.0	3.423	0.001	0	0	0	11	L
L PL.36060	PD.5266	B	6 A (CWC)	7.08Y	117.9	0.04	7.05	12.86	9	89	21	97	0.03	0.0	3.487	0.065	4	1	1	11	L
L PL.36061	PL.36060	B	6 A (CWC)	7.08Y	117.9	0.02	7.08	12.25	9	84	20	97	0.01	0.0	3.527	0.039	10	2	1	10	L
L PL.34214	PL.36061	B	#2 ACSR	7.08Y	117.9	0.01	7.08	4.81	3	33	8	97	0.00	0.0	3.580	0.053	12	3	1	4	L
L PL.57570	PL.34214	B	#2 ACSR	7.08Y	117.9	0.00	7.08	0.68	0	5	1	98	0.00	0.0	3.622	0.042	5	1	1	1	L
L PL.57571	PL.57570	B	#2 ACSR	7.08Y	117.9	0.00	7.08	0.00	0	0	0	100	0.00	0.0	3.651	0.029	0	0	0	0	L
L PL.34215	PL.34214	B	#2 ACSR	7.08Y	117.9	0.00	7.08	2.33	1	16	4	97	0.00	0.0	3.609	0.029	16	4	2	2	L
L PL.34216	PL.34215	B	#2 ACSR	7.08Y	117.9	0.00	7.08	0.00	0	0	0	100	0.00	0.0	3.631	0.022	0	0	0	0	L
L PL.35314	PL.36061	B	#4 ACSR	7.07Y	117.9	0.01	7.09	5.93	5	41	10	97	0.00	0.0	3.587	0.060	10	2	1	5	L

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PL.33682	PL.35314	B	#2 ACSR	7.07Y	117.9	0.00	7.09	0.00	0	0	0	100	0.00	0.0	3.653	0.066	0	0	0	0	L
L PL.35315	PL.35314	B	#4 ACSR	7.07Y	117.9	0.01	7.10	2.84	2	20	5	97	0.00	0.0	3.679	0.092	1	0	1	3	L
L PL.35666	PL.35315	B	#4 ACSR	7.07Y	117.9	0.00	7.10	2.70	2	19	4	98	0.00	0.0	3.694	0.015	0	0	0	2	L
L PL.35664	PL.35666	B	6 A (CWC)	7.07Y	117.9	0.00	7.10	1.45	1	10	2	98	0.00	0.0	3.736	0.042	10	2	1	1	L
L PL.35667	PL.35666	B	#4 ACSR	7.07Y	117.9	0.01	7.11	1.25	1	9	2	98	0.00	0.0	3.919	0.225	9	2	1	1	L
L PL.35033	PL.35314	B	#2 ACSR	7.07Y	117.9	0.00	7.09	1.63	1	11	3	96	0.00	0.0	3.632	0.045	11	3	1	1	L
L PL.33698	PL.34937	B	6 A (CWC)	7.08Y	118.0	0.00	7.02	3.41	2	23	5	98	0.00	0.0	3.423	0.001	0	0	0	3	L
L PD.5184	PL.33698	B	75QA	7.08Y	118.0	0.00	7.02	3.41	5	23	5	98	0.00	0.0	3.423	0.001	0	0	0	3	L
L PL.36355	PD.5184	B	6 A (CWC)	7.08Y	118.0	0.00	7.02	3.41	2	23	5	98	0.00	0.0	3.476	0.053	23	5	3	3	L
L PL.36356	PL.36355	B	6 A (CWC)	7.08Y	118.0	0.00	7.02	0.00	0	0	0	100	0.00	0.0	3.536	0.060	0	0	0	0	L
L PL.35646	PL.36356	B	6 A (CWC)	7.08Y	118.0	0.00	7.02	0.00	0	0	0	100	0.00	0.0	3.592	0.056	0	0	0	0	L
PL.35170	PL.36680	C	6 A (CWC)	7.09Y	118.2	0.00	6.79	6.44	5	44	10	98	0.00	0.0	3.345	0.001	0	0	0	7	
PD.5265	PL.35170	C	75QA	7.09Y	118.2	0.00	6.79	6.44	9	44	10	98	0.00	0.0	3.345	0.001	0	0	0	7	
PL.35171	PD.5265	C	6 A (CWC)	7.09Y	118.2	0.00	6.79	6.44	5	44	10	98	0.00	0.0	3.359	0.014	21	5	2	7	
PL.35172	PL.35171	C	6 A (CWC)	7.09Y	118.2	0.01	6.80	3.42	2	24	6	97	0.00	0.0	3.420	0.061	0	0	0	5	
PL.35981	PL.35172	C	#4 ACSR	7.09Y	118.2	0.00	6.80	0.00	0	0	0	100	0.00	0.0	3.451	0.031	0	0	0	1	
PL.35982	PL.35981	C	#4 ACSR	7.09Y	118.2	0.00	6.80	0.00	0	0	0	100	0.00	0.0	3.497	0.047	0	0	1	1	
PL.34575	PL.35172	C	6 A (CWC)	7.09Y	118.2	0.00	6.81	3.42	2	24	5	98	0.00	0.0	3.448	0.028	16	4	3	4	
PL.59913	PL.34575	C	#1/0 ACSR	7.09Y	118.2	0.00	6.81	1.03	0	7	2	96	0.00	0.0	3.496	0.048	7	2	1	1	
PL.36682	PL.35983	A	#2 ACSR	7.11Y	118.4	0.00	6.57	3.00	2	21	5	97	0.00	0.0	3.274	0.002	0	0	0	1	
PD.5183	PL.36682	A	60QA	7.11Y	118.4	0.00	6.57	3.00	5	21	5	97	0.00	0.0	3.274	0.002	0	0	0	1	
PL.36683	PD.5183	A	#2 ACSR	7.11Y	118.4	0.00	6.57	3.00	2	21	5	97	0.00	0.0	3.292	0.018	21	5	1	1	
PL.36681	PL.36683	A	#2 ACSR	7.11Y	118.4	0.00	6.57	0.00	0	0	0	100	0.00	0.0	3.303	0.012	0	0	0	0	
PL.52481	PL.64363	C	6 A (CWC)	7.11Y	118.5	0.00	6.47	1.29	1	9	2	98	0.00	0.0	3.242	0.001	0	0	0	2	
PD.8040	PL.52481	C	75QA	7.11Y	118.5	0.00	6.47	1.29	2	9	2	98	0.00	0.0	3.242	0.001	0	0	0	2	
PL.52569	PD.8040	C	6 A (CWC)	7.11Y	118.5	0.00	6.47	1.29	1	9	2	98	0.00	0.0	3.284	0.042	9	2	2	2	
PL.35643	PL.35353	C	6 A (CWC)	7.13Y	118.8	0.00	6.24	10.55	8	73	17	97	0.00	0.0	3.087	0.000	0	0	0	10	
PD.5714	PL.35643	C	30T	7.13Y	118.8	0.00	6.24	10.55	0	73	17	97	0.00	0.0	3.087	0.000	0	0	0	10	
PL.35644	PD.5714	C	6 A (CWC)	7.12Y	118.7	0.03	6.27	10.55	8	73	17	97	0.02	0.0	3.162	0.075	7	2	1	10	
PL.35322	PL.35644	C	6 A (CWC)	7.12Y	118.7	0.01	6.29	9.56	7	66	15	98	0.01	0.0	3.194	0.032	0	0	0	9	
PL.35354	PL.35322	C	6 A (CWC)	7.12Y	118.7	0.00	6.29	1.47	1	10	2	98	0.00	0.0	3.229	0.035	10	2	1	1	

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.35355	PL.35354	C	6 A (CWC)	7.12Y	118.7	0.00	6.29	0.00	0	0	0	100	0.00	0.0	3.249	0.020	0	0	0	0
PL.35323	PL.35322	C	6 A (CWC)	7.12Y	118.7	0.01	6.30	8.10	6	56	13	97	0.00	0.0	3.225	0.031	7	2	1	8
PL.36691	PL.35323	C	6 A (CWC)	7.12Y	118.7	0.03	6.33	7.10	5	49	11	98	0.01	0.0	3.317	0.092	0	0	0	7
PL.33677	PL.36691	C	6 A (CWC)	7.12Y	118.7	0.00	6.33	0.00	0	0	0	100	0.00	0.0	3.393	0.077	0	0	0	0
PL.34840	PL.36691	C	6 A (CWC)	7.12Y	118.7	0.00	6.33	1.98	1	14	3	98	0.00	0.0	3.402	0.085	14	3	2	2
PL.36692	PL.36691	C	6 A (CWC)	7.12Y	118.6	0.03	6.36	5.12	4	35	8	97	0.01	0.0	3.484	0.167	12	3	1	5
PL.33972	PL.36692	C	6 A (CWC)	7.12Y	118.6	0.01	6.37	3.02	2	21	5	97	0.00	0.0	3.577	0.094	21	5	2	2
PL.33529	PL.36692	C	6 A (CWC)	7.12Y	118.6	0.00	6.36	0.35	0	2	1	89	0.00	0.0	3.521	0.037	2	1	2	2
PL.34482	PL.35352	A	#2 ACSR	7.13Y	118.9	0.00	6.14	0.00	0	0	0	100	0.00	0.0	3.050	0.027	0	0	0	0
PL.35674	PL.35668	A	6 A (CWC)	7.15Y	119.1	0.00	5.85	7.49	5	52	12	97	0.00	0.0	2.843	0.001	0	0	0	6
PD.5180	PL.35674	A	75QA	7.15Y	119.1	0.00	5.85	7.49	10	52	12	97	0.00	0.0	2.843	0.001	0	0	0	6
PL.35675	PD.5180	A	6 A (CWC)	7.15Y	119.1	0.02	5.87	7.49	5	52	12	97	0.01	0.0	2.915	0.072	15	3	3	6
PL.34821	PL.35675	A	6 A (CWC)	7.15Y	119.1	0.01	5.88	5.34	4	37	9	97	0.00	0.0	2.969	0.054	37	9	3	3
PL.56300	PL.35672	ABC	336 MCM AC	7.16Y	119.3	0.00	5.72	2.38	0	50	12	97	0.00	0.0	2.827	0.065	9	2	1	5
PL.56301	PL.56300	ABC	336 MCM AC	7.16Y	119.3	0.00	5.72	1.95	0	41	9	98	0.00	0.0	2.839	0.011	0	0	0	4
PL.34571	PL.56301	ABC	336 MCM AC	7.16Y	119.3	0.00	5.72	1.95	0	41	9	98	0.00	0.0	2.839	0.000	0	0	0	4
PD.5785	PL.34571	ABC	50L	7.16Y	119.3	0.00	5.72	1.95	4	41	9	98	0.00	0.0	2.839	0.000	0	0	0	4
PL.34574	PD.5785	ABC	336 MCM AC	7.16Y	119.3	0.00	5.72	1.95	0	41	9	98	0.00	0.0	2.856	0.017	21	5	2	4
PL.56302	PL.34574	C	#2 ACSR	7.16Y	119.3	0.00	5.72	1.81	1	13	3	97	0.00	0.0	2.860	0.004	0	0	0	1
PD.8304	PL.56302	C	40QA	7.16Y	119.3	0.00	5.72	1.81	5	13	3	97	0.00	0.0	2.860	0.004	0	0	0	1
PL.56303	PD.8304	C	#2 ACSR	7.16Y	119.3	0.00	5.72	1.81	1	13	3	97	0.00	0.0	2.885	0.025	13	3	1	1
PL.35670	PL.34574	ABC	336 MCM AC	7.16Y	119.3	0.00	5.72	0.34	0	7	2	96	0.00	0.0	2.889	0.033	0	0	0	1
PL.35022	PL.35670	A	#2 ACSR	7.16Y	119.3	0.00	5.72	1.03	1	7	2	96	0.00	0.0	2.918	0.029	7	2	1	1
PL.35671	PL.35670	ABC	336 MCM AC	7.16Y	119.3	0.00	5.72	0.00	0	0	0	100	0.00	0.0	3.106	0.217	0	0	0	0
PD.5870-B	PL.35671	ABC	Open	7.16Y	119.3	0.00	5.72	0.00	0	0	0	100	0.00	0.0	3.106	0.217	0	0	0	0
PL.35079	PL.59932	C	6 A (CWC)	7.20Y	120.0	0.00	5.05	4.23	3	30	7	97	0.00	0.0	2.386	0.001	0	0	0	4
PD.5713	PL.35079	C	75QA	7.20Y	120.0	0.00	5.05	4.23	6	30	7	97	0.00	0.0	2.386	0.001	0	0	0	4
PL.35940	PD.5713	C	6 A (CWC)	7.20Y	119.9	0.01	5.06	4.23	3	30	7	97	0.00	0.0	2.442	0.056	0	0	0	4
PL.34727	PL.35940	C	#2 ACSR	7.20Y	119.9	0.00	5.06	1.81	1	13	3	97	0.00	0.0	2.469	0.027	13	3	1	1
PL.35980	PL.35940	C	6 A (CWC)	7.20Y	119.9	0.00	5.06	2.42	2	17	4	97	0.00	0.0	2.466	0.024	17	4	3	3
PL.59933	PL.59935	C	#4 ACSR	7.21Y	120.1	0.00	4.88	1.05	1	7	2	96	0.00	0.0	2.294	0.001	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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.5823	PL.59933	C	75QA	7.21Y	120.1	0.00	4.88	1.05	1	7	2	96	0.00	0.0	2.294	0.001	0	0	0	1
PL.72979	PD.5823	C	#4 ACSR	7.21Y	120.1	0.00	4.88	1.05	1	7	2	96	0.00	0.0	2.325	0.031	0	0	0	1
PL.72980	PL.72979	C	#4 ACSR	7.21Y	120.1	0.00	4.88	1.05	1	7	2	96	0.00	0.0	2.325	0.000	7	2	1	1
PL.59931	PL.59929	A	#4 ACSR	7.21Y	120.2	0.01	4.79	2.25	2	16	4	97	0.00	0.0	2.313	0.074	5	1	1	2
PL.34747	PL.59931	A	#4 ACSR	7.21Y	120.2	0.00	4.79	1.50	1	11	2	98	0.00	0.0	2.385	0.072	11	2	1	1
PL.34457	PL.35414	C	#2 ACSR	7.22Y	120.4	0.00	4.59	0.26	0	2	0	100	0.00	0.0	2.135	0.000	0	0	0	1
PD.5264	PL.34457	C	60QA	7.22Y	120.4	0.00	4.59	0.26	0	2	0	100	0.00	0.0	2.135	0.000	0	0	0	1
PL.34458	PD.5264	C	#2 ACSR	7.22Y	120.4	0.00	4.59	0.26	0	2	0	100	0.00	0.0	2.161	0.025	2	0	1	1
PL.34411	PL.34410	C	#2 ACSR	7.23Y	120.5	0.00	4.50	0.00	0	0	0	100	0.00	0.0	2.088	0.001	0	0	0	0
PD.5822	PL.34411	C	40QA	7.23Y	120.5	0.00	4.50	0.00	0	0	0	100	0.00	0.0	2.088	0.001	0	0	0	0
PL.34412	PD.5822	C	#2 ACSR	7.23Y	120.5	0.00	4.50	0.00	0	0	0	100	0.00	0.0	2.133	0.045	0	0	0	0
PL.34433	PL.34410	ABC	#1/0 ACSR	7.23Y	120.5	0.01	4.51	14.21	6	300	70	97	0.02	0.0	2.124	0.037	0	0	0	45
PL.35413	PL.34433	ABC	#1/0 ACSR	7.23Y	120.5	0.00	4.51	14.21	6	300	70	97	0.00	0.0	2.124	0.000	0	0	0	45
PD.5786	PL.35413	ABC	50L	7.23Y	120.5	0.00	4.51	14.21	28	300	70	97	0.00	0.0	2.124	0.000	0	0	0	45
PL.33716	PD.5786	ABC	#1/0 ACSR	7.23Y	120.5	0.03	4.54	14.21	6	300	70	97	0.06	0.0	2.227	0.103	0	0	0	45
PL.35542	PL.33716	ABC	#1/0 ACSR	7.23Y	120.4	0.05	4.58	14.21	6	300	70	97	0.10	0.0	2.410	0.182	1	0	1	45
PL.35540	PL.35542	A	#2 ACSR	7.23Y	120.4	0.00	4.58	0.00	0	0	0	100	0.00	0.0	2.412	0.002	0	0	0	0
PD.5075	PL.35540	A	40QA	7.23Y	120.4	0.00	4.58	0.00	0	0	0	100	0.00	0.0	2.412	0.002	0	0	0	0
PL.35541	PD.5075	A	#2 ACSR	7.23Y	120.4	0.00	4.58	0.00	0	0	0	100	0.00	0.0	2.493	0.081	0	0	0	0
PL.35539	PL.35542	ABC	#1/0 ACSR	7.22Y	120.4	0.01	4.59	13.79	6	291	68	97	0.03	0.0	2.461	0.051	6	1	1	40
PL.36026	PL.35539	ABC	#1/0 ACSR	7.22Y	120.4	0.03	4.62	13.53	6	286	67	97	0.06	0.0	2.580	0.119	11	3	1	39
PL.34580	PL.36026	ABC	#1/0 ACSR	7.22Y	120.4	0.02	4.64	11.69	5	247	58	97	0.03	0.0	2.664	0.084	0	0	0	34
PL.36147	PL.34580	A	#2 ACSR	7.22Y	120.4	0.00	4.64	2.58	1	18	4	98	0.00	0.0	2.668	0.004	0	0	0	2
PD.5076	PL.36147	A	40QA	7.22Y	120.4	0.00	4.64	2.58	6	18	4	98	0.00	0.0	2.668	0.004	0	0	0	2
PL.59183	PD.5076	A	#2 ACSR	7.22Y	120.4	0.00	4.64	2.58	1	18	4	98	0.00	0.0	2.789	0.121	18	4	2	2
PL.59182	PL.59183	A	#2 ACSR	7.22Y	120.4	0.00	4.64	0.00	0	0	0	100	0.00	0.0	2.849	0.060	0	0	0	0
PL.35348	PL.34580	ABC	#1/0 ACSR	7.22Y	120.3	0.02	4.66	10.83	5	229	53	97	0.03	0.0	2.745	0.081	0	0	0	32
PL.36537	PL.35348	A	#2 ACSR	7.22Y	120.3	0.00	4.66	2.37	1	17	4	97	0.00	0.0	2.750	0.006	0	0	0	2
PD.5748	PL.36537	A	40QA	7.22Y	120.3	0.00	4.66	2.37	6	17	4	97	0.00	0.0	2.750	0.006	0	0	0	2
PL.36538	PD.5748	A	#2 ACSR	7.22Y	120.3	0.00	4.66	2.37	1	17	4	97	0.00	0.0	2.829	0.079	9	2	1	2
PL.36006	PL.36538	A	#2 ACSR	7.22Y	120.3	0.00	4.66	1.09	1	8	2	97	0.00	0.0	2.859	0.029	8	2	1	1

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

Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.34441	PL.35348	ABC	#1/0 ACSR	7.22Y	120.3	0.02	4.67	10.04	4	212	49	97	0.03	0.0	2.843	0.099	0	0	0	30
PL.36534	PL.34441	ABC	#1/0 ACSR	7.22Y	120.3	0.01	4.68	9.17	4	193	45	97	0.02	0.0	2.913	0.069	0	0	0	24
PL.58368	PL.36534	ABC	#1/0 ACSR	7.22Y	120.3	0.01	4.69	8.29	4	175	41	97	0.01	0.0	2.948	0.036	0	0	0	22
PL.58367	PL.58368	ABC	#1/0 ACSR	7.22Y	120.3	0.02	4.71	7.73	3	163	38	97	0.02	0.0	3.082	0.134	0	0	0	21
PL.58168	PL.58367	A	6 A (CWC)	7.22Y	120.3	0.00	4.71	9.76	7	69	16	97	0.00	0.0	3.085	0.003	0	0	0	7
PD.8598	PL.58168	A	30T	7.22Y	120.3	0.00	4.71	9.76	0	69	16	97	0.00	0.0	3.085	0.003	0	0	0	7
PL.58169	PD.8598	A	6 A (CWC)	7.21Y	120.2	0.06	4.77	9.76	7	69	16	97	0.03	0.0	3.225	0.140	9	2	1	7
PL.58373	PL.58169	A	6 A (CWC)	7.21Y	120.2	0.03	4.79	6.80	5	48	11	97	0.01	0.0	3.316	0.091	0	0	0	5
PL.35767	PL.58373	A	6 A (CWC)	7.21Y	120.2	0.01	4.80	5.51	4	39	9	97	0.00	0.0	3.345	0.029	0	0	0	4
PL.33756	PL.35767	A	#4 ACSR	7.21Y	120.2	0.00	4.80	0.00	0	0	0	100	0.00	0.0	3.380	0.036	0	0	0	0
PL.33338	PL.35767	A	6 A (CWC)	7.21Y	120.2	0.01	4.81	5.51	4	39	9	97	0.00	0.0	3.398	0.053	0	0	0	4
PL.33339	PL.33338	A	6 A (CWC)	7.21Y	120.2	0.00	4.81	0.00	0	0	0	100	0.00	0.0	3.487	0.089	0	0	0	0
PL.35608	PL.33338	A	#4 ACSR	7.21Y	120.2	0.01	4.82	5.51	4	39	9	97	0.00	0.0	3.431	0.034	17	4	2	4
PL.33337	PL.35608	A	#4 ACSR	7.21Y	120.2	0.01	4.83	3.09	2	22	5	98	0.00	0.0	3.486	0.055	10	2	1	2
PL.35274	PL.33337	A	#4 ACSR	7.21Y	120.2	0.00	4.83	1.63	1	11	3	96	0.00	0.0	3.547	0.061	11	3	1	1
PL.36031	PL.58373	A	#2 ACSR	7.21Y	120.2	0.00	4.79	1.28	1	9	2	98	0.00	0.0	3.345	0.030	9	2	1	1
PL.58372	PL.58169	A	6 A (CWC)	7.21Y	120.2	0.00	4.77	1.64	1	12	3	97	0.00	0.0	3.298	0.073	12	3	1	1
PL.58170	PL.58367	A	6 A (CWC)	7.22Y	120.3	0.00	4.71	13.44	10	94	22	97	0.00	0.0	3.085	0.002	0	0	0	14
PD.8599	PL.58170	A	30T	7.22Y	120.3	0.00	4.71	13.44	0	94	22	97	0.00	0.0	3.085	0.002	0	0	0	14
PL.58171	PD.8599	A	6 A (CWC)	7.21Y	120.2	0.13	4.84	13.44	10	94	22	97	0.10	0.1	3.306	0.222	0	0	0	14
PL.58371	PL.58171	A	6 A (CWC)	7.21Y	120.1	0.07	4.91	8.52	6	60	14	97	0.03	0.0	3.497	0.190	10	2	2	10
PL.36552	PL.58371	A	6 A (CWC)	7.20Y	120.1	0.02	4.93	5.89	4	41	10	97	0.01	0.0	3.560	0.063	0	0	0	7
PL.34245	PL.36552	A	6 A (CWC)	7.20Y	120.1	0.02	4.95	5.89	4	41	10	97	0.01	0.0	3.649	0.089	13	3	1	7
PL.33737	PL.34245	A	6 A (CWC)	7.20Y	120.0	0.01	4.96	2.95	2	21	5	97	0.00	0.0	3.771	0.122	3	1	2	5
PL.36488	PL.33737	A	6 A (CWC)	7.20Y	120.0	0.00	4.96	1.02	1	7	2	96	0.00	0.0	3.820	0.049	7	2	2	2
PL.36489	PL.36488	A	6 A (CWC)	7.20Y	120.0	0.00	4.96	0.00	0	0	0	100	0.00	0.0	3.849	0.029	0	0	0	0
PL.35578	PL.33737	A	#2 ACSR	7.20Y	120.0	0.00	4.96	1.45	1	10	2	98	0.00	0.0	3.865	0.094	10	2	1	1
PL.34108	PL.34245	A	#2 ACSR	7.20Y	120.1	0.00	4.95	1.06	1	7	2	96	0.00	0.0	3.699	0.050	7	2	1	1
PL.65311	PL.58371	A	#1/0 ACSR	7.21Y	120.1	0.00	4.91	1.25	1	9	2	98	0.00	0.0	3.550	0.053	0	0	0	1
PL.65312	PL.65311	A	#1/0 ACSR	7.21Y	120.1	0.00	4.91	1.25	1	9	2	98	0.00	0.0	3.594	0.044	0	0	0	1
PL.65313	PL.65312	A	#1/0 ACSR	7.21Y	120.1	0.00	4.91	1.25	1	9	2	98	0.00	0.0	3.657	0.063	9	2	1	1

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.58370	PL.58171	A	#2 ACSR	7.21Y	120.2	0.00	4.85	4.92	3	35	8	97	0.00	0.0	3.334	0.028	10	2	2	4
PL.36553	PL.58370	A	#2 ACSR	7.21Y	120.1	0.00	4.85	3.45	2	24	6	97	0.00	0.0	3.402	0.068	24	6	2	2
PL.36554	PL.36553	A	#2 ACSR	7.21Y	120.1	0.00	4.85	0.00	0	0	0	100	0.00	0.0	3.487	0.085	0	0	0	0
PL.34876	PL.36554	A	#2 ACSR	7.21Y	120.1	0.00	4.85	0.00	0	0	0	100	0.00	0.0	3.487	0.000	0	0	0	0
PL.58369	PL.58368	A	#2 ACSR	7.22Y	120.3	0.00	4.69	1.66	1	12	3	97	0.00	0.0	2.949	0.001	0	0	0	1
PD.5070	PL.58369	A	40QA	7.22Y	120.3	0.00	4.69	1.66	4	12	3	97	0.00	0.0	2.949	0.001	0	0	0	1
PL.36658	PD.5070	A	#2 ACSR	7.22Y	120.3	0.00	4.69	1.66	1	12	3	97	0.00	0.0	2.978	0.028	12	3	1	1
PL.33829	PL.36534	A	#2 ACSR	7.22Y	120.3	0.00	4.68	2.65	2	19	4	98	0.00	0.0	2.913	0.000	0	0	0	2
PD.5697	PL.33829	A	40QA	7.22Y	120.3	0.00	4.68	2.65	7	19	4	98	0.00	0.0	2.913	0.000	0	0	0	2
PL.33830	PD.5697	A	#2 ACSR	7.22Y	120.3	0.00	4.69	2.65	2	19	4	98	0.00	0.0	2.942	0.029	19	4	2	2
PL.36004	PL.34441	A	#2 ACSR	7.22Y	120.3	0.00	4.67	2.61	1	18	4	98	0.00	0.0	2.846	0.003	0	0	0	6
PD.5143	PL.36004	A	40T	7.22Y	120.3	0.00	4.67	2.61	0	18	4	98	0.00	0.0	2.846	0.003	0	0	0	6
PL.36005	PD.5143	A	#2 ACSR	7.22Y	120.3	0.00	4.68	2.61	1	18	4	98	0.00	0.0	2.876	0.030	1	0	3	6
PL.36003	PL.36005	A	#2 ACSR	7.22Y	120.3	0.00	4.68	2.44	1	17	4	97	0.00	0.0	2.984	0.108	17	4	3	3
PL.36007	PL.35348	A	#4 ACSR	7.22Y	120.3	0.00	4.66	0.00	0	0	0	100	0.00	0.0	2.750	0.005	0	0	0	0
PD.5074	PL.36007	A	40QA	7.22Y	120.3	0.00	4.66	0.00	0	0	0	100	0.00	0.0	2.750	0.005	0	0	0	0
PL.36536	PD.5074	A	#4 ACSR	7.22Y	120.3	0.00	4.66	0.00	0	0	0	100	0.00	0.0	2.807	0.057	0	0	0	0
PL.36540	PL.36026	A	#2 ACSR	7.22Y	120.4	0.00	4.62	3.95	2	28	6	98	0.00	0.0	2.581	0.001	0	0	0	4
PD.5142	PL.36540	A	40QA	7.22Y	120.4	0.00	4.62	3.95	10	28	6	98	0.00	0.0	2.581	0.001	0	0	0	4
PL.35544	PD.5142	A	#2 ACSR	7.22Y	120.4	0.01	4.63	3.95	2	28	6	98	0.00	0.0	2.672	0.091	16	4	2	4
PL.34577	PL.35544	A	#2 ACSR	7.22Y	120.4	0.00	4.63	0.00	0	0	0	100	0.00	0.0	2.703	0.031	0	0	0	1
PL.34578	PL.34577	A	#2 ACSR	7.22Y	120.4	0.00	4.63	0.00	0	0	0	100	0.00	0.0	2.794	0.090	0	0	0	1
PL.34579	PL.34578	A	#2 ACSR	7.22Y	120.4	0.00	4.63	0.00	0	0	0	100	0.00	0.0	2.886	0.093	0	0	1	1
PL.35110	PL.35544	A	#2 ACSR	7.22Y	120.4	0.00	4.63	1.70	1	12	3	97	0.00	0.0	2.744	0.072	12	3	1	1
PL.35973	PL.35542	A	#2 ACSR	7.23Y	120.4	0.00	4.58	1.15	1	8	2	97	0.00	0.0	2.411	0.001	0	0	0	4
PD.5072	PL.35973	A	40QA	7.23Y	120.4	0.00	4.58	1.15	3	8	2	97	0.00	0.0	2.411	0.001	0	0	0	4
PL.35974	PD.5072	A	#2 ACSR	7.22Y	120.4	0.00	4.58	1.15	1	8	2	97	0.00	0.0	2.482	0.071	0	0	0	4
PL.33381	PL.35974	A	#2 ACSR	7.22Y	120.4	0.00	4.59	1.15	1	8	2	97	0.00	0.0	2.540	0.058	0	0	1	4
PL.35105	PL.33381	A	#2 ACSR	7.22Y	120.4	0.00	4.59	1.15	1	8	2	97	0.00	0.0	2.645	0.105	0	0	0	3
PL.35543	PL.35105	A	#2 ACSR	7.22Y	120.4	0.00	4.59	1.15	1	8	2	97	0.00	0.0	2.700	0.055	8	2	2	3
PL.34576	PL.35543	A	#2 ACSR	7.22Y	120.4	0.00	4.59	0.00	0	0	0	100	0.00	0.0	2.807	0.107	0	0	0	0

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.34110	PL.35543	A	#1/0 ACSR	7.22Y	120.4	0.00	4.59	0.00	0	0	0	100	0.00	0.0	2.737	0.038	0	0	1	1
PL.34585	PL.33716	A	#2 ACSR	7.23Y	120.5	0.00	4.54	0.00	0	0	0	100	0.00	0.0	2.228	0.001	0	0	0	0
PD.5141	PL.34585	A	40QA	7.23Y	120.5	0.00	4.54	0.00	0	0	0	100	0.00	0.0	2.228	0.001	0	0	0	0
PL.34586	PD.5141	A	#2 ACSR	7.23Y	120.5	0.00	4.54	0.00	0	0	0	100	0.00	0.0	2.281	0.054	0	0	0	0
PL.35989	PL.34405	A	6 A (CWC)	7.25Y	120.8	0.00	4.16	0.00	0	0	0	100	0.00	0.0	1.967	0.053	0	0	0	0
PL.34403	PL.34385	C	#4 ACSR	7.27Y	121.2	0.00	3.78	1.10	1	8	2	97	0.00	0.0	1.723	0.001	0	0	0	2
PD.5712	PL.34403	C	75QA	7.27Y	121.2	0.00	3.78	1.10	1	8	2	97	0.00	0.0	1.723	0.001	0	0	0	2
PL.34204	PD.5712	C	#4 ACSR	7.27Y	121.2	0.00	3.79	1.10	1	8	2	97	0.00	0.0	1.796	0.073	3	1	1	2
PL.33873	PL.34204	C	#4 ACSR	7.27Y	121.2	0.00	3.79	0.70	1	5	1	98	0.00	0.0	1.914	0.118	5	1	1	1
PL.33678	PL.34385	C	#4 ACSR	7.27Y	121.2	0.00	3.79	1.23	1	9	2	98	0.00	0.0	1.817	0.095	9	2	1	1
PL.34382	PL.34438	C	#1/0 ACSR	7.28Y	121.4	0.00	3.62	0.00	0	0	0	100	0.00	0.0	1.640	0.001	0	0	0	0
PD.5722	PL.34382	C	10QA	7.28Y	121.4	0.00	3.62	0.00	0	0	0	100	0.00	0.0	1.640	0.001	0	0	0	0
PL.34384	PD.5722	C	#1/0 ACSR	7.28Y	121.4	0.00	3.62	0.00	0	0	0	100	0.00	0.0	1.686	0.046	0	0	0	0
PL.34795	PL.34438	B	#2 ACSR	7.28Y	121.4	0.00	3.62	1.16	1	8	2	97	0.00	0.0	1.682	0.042	8	2	1	1
PL.34381	PL.34380	A	#2 ACSR	7.29Y	121.6	0.00	3.44	1.66	1	12	3	97	0.00	0.0	1.615	0.066	0	0	0	1
PL.34383	PL.34381	A	#2 ACSR	7.29Y	121.6	0.00	3.44	1.66	1	12	3	97	0.00	0.0	1.651	0.036	12	3	1	1
PL.34645	PL.35412	C	#4 ACSR	7.32Y	122.0	0.00	3.05	3.19	2	23	5	98	0.00	0.0	1.355	0.001	0	0	0	3
PD.5760	PL.34645	C	75QA	7.32Y	122.0	0.00	3.05	3.19	4	23	5	98	0.00	0.0	1.355	0.001	0	0	0	3
PL.59923	PD.5760	C	#4 ACSR	7.32Y	121.9	0.01	3.05	3.19	2	23	5	98	0.00	0.0	1.410	0.055	0	0	0	3
PL.59924	PL.59923	C	#4 ACSR	7.32Y	121.9	0.00	3.06	3.19	2	23	5	98	0.00	0.0	1.462	0.051	15	3	2	3
PL.34929	PL.59924	C	#4 ACSR	7.32Y	121.9	0.00	3.06	1.13	1	8	2	97	0.00	0.0	1.553	0.091	8	2	1	1
PL.59925	PL.59923	C	#1/0 ACSR	7.32Y	121.9	0.00	3.05	0.00	0	0	0	100	0.00	0.0	1.469	0.059	0	0	0	0
PL.34640	PL.34466	C	6 A (CWC)	7.35Y	122.4	0.00	2.56	3.93	3	28	7	97	0.00	0.0	1.125	0.001	0	0	0	4
PD.5819	PL.34640	C	75QA	7.35Y	122.4	0.00	2.56	3.93	5	28	7	97	0.00	0.0	1.125	0.001	0	0	0	4
PL.65309	PD.5819	C	6 A (CWC)	7.35Y	122.4	0.00	2.57	3.93	3	28	7	97	0.00	0.0	1.145	0.019	3	1	1	4
PL.65310	PL.65309	C	6 A (CWC)	7.35Y	122.4	0.00	2.57	3.48	2	25	6	97	0.00	0.0	1.192	0.047	25	6	3	3
PL.33915	PL.66245	A	#4 ACSR	7.40Y	123.3	0.00	1.65	6.61	5	48	11	97	0.00	0.0	0.719	0.001	0	0	0	7
PD.5817	PL.33915	A	75QA	7.40Y	123.3	0.00	1.65	6.61	9	48	11	97	0.00	0.0	0.719	0.001	0	0	0	7
PL.35263	PD.5817	A	#4 ACSR	7.40Y	123.3	0.02	1.67	6.61	5	48	11	97	0.01	0.0	0.797	0.078	8	2	1	7
PL.36112	PL.35263	A	#4 ACSR	7.40Y	123.3	0.01	1.69	5.55	4	40	9	98	0.00	0.0	0.841	0.044	0	0	0	6
PL.36113	PL.36112	A	#4 ACSR	7.40Y	123.3	0.01	1.69	3.22	2	23	5	98	0.00	0.0	0.923	0.082	18	4	2	3

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

Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.36114	PL.36113	A	#4 ACSR	7.40Y	123.3	0.00	1.69	0.68	1	5	1	98	0.00	0.0	0.984	0.061	0	0	0	1
PL.36115	PL.36114	A	#4 ACSR	7.40Y	123.3	0.00	1.70	0.68	1	5	1	98	0.00	0.0	1.010	0.025	0	0	0	1
PL.36116	PL.36115	A	#4 ACSR	7.40Y	123.3	0.00	1.70	0.68	1	5	1	98	0.00	0.0	1.081	0.071	5	1	1	1
PL.34956	PL.36112	A	#4 ACSR	7.40Y	123.3	0.00	1.69	2.32	2	17	4	97	0.00	0.0	0.918	0.077	17	4	3	3
PL.34230	PL.62308	A	#4 ACSR	7.48Y	124.7	0.00	0.25	0.66	1	5	1	98	0.00	0.0	0.109	0.000	0	0	0	1
PD.5721	PL.34230	A	75QA	7.48Y	124.7	0.00	0.25	0.66	1	5	1	98	0.00	0.0	0.109	0.000	0	0	0	1
PL.34231	PD.5721	A	#4 ACSR	7.48Y	124.7	0.00	0.25	0.66	1	5	1	98	0.00	0.0	0.144	0.035	5	1	1	1
PL.62310	East Bernstadt	ABC	336 MCM AC	7.50Y	125.0	0.01	0.01	320.00	62	6831	2275	95	0.50	0.0	0.006	0.006	0	0	0	776
PL.52877	PL.62310	ABC	336 MCM AC	7.50Y	125.0	0.01	0.02	320.00	62	6831	2274	95	0.32	0.0	0.009	0.004	0	0	0	776
---------- Feeder No. 4 (Ft. Sequayah F4) Beginning with Device PD.8057 ----------																				
PD.8057	PL.52877	ABC	480VWE	7.50Y	125.0	0.00	0.02	320.00	0	6830	2273	95	0.00	0.0	0.009	0.004	0	0	0	776
PL.58706	PD.8057	ABC	336 MCM AC	7.50Y	125.0	0.01	0.04	320.00	62	6830	2273	95	0.39	0.0	0.014	0.004	0	0	0	776
PL.58707	PL.58706	ABC	336 MCM AC	7.47Y	124.5	0.45	0.48	320.00	62	6830	2272	95	15.32	0.2	0.192	0.178	0	0	0	776
PL.58709	PL.58707	C	6 A (CWC)	7.47Y	124.5	0.00	0.48	0.04	0	0	0	100	0.00	0.0	0.193	0.001	0	0	0	1
PD.8727	PL.58709	C	20T	7.47Y	124.5	0.00	0.48	0.04	0	0	0	100	0.00	0.0	0.193	0.001	0	0	0	1
PL.65314	PD.8727	C	6 A (CWC)	7.47Y	124.5	0.00	0.48	0.04	0	0	0	100	0.00	0.0	0.218	0.025	0	0	0	1
PL.65315	PL.65314	C	6 A (CWC)	7.47Y	124.5	0.00	0.48	0.04	0	0	0	100	0.00	0.0	0.303	0.085	0	0	0	1
PL.58746	PL.65315	C	6 A (CWC)	7.47Y	124.5	0.00	0.48	0.04	0	0	0	100	0.00	0.0	0.512	0.209	0	0	1	1
PL.58747	PL.65315	C	6 A (CWC)	7.47Y	124.5	0.00	0.48	0.00	0	0	0	100	0.00	0.0	0.410	0.107	0	0	0	0
PL.36092	PL.58747	C	6 A (CWC)	7.47Y	124.5	0.00	0.48	0.00	0	0	0	100	0.00	0.0	0.461	0.051	0	0	0	0
PL.58708	PL.58707	ABC	336 MCM AC	7.46Y	124.4	0.11	0.59	319.99	62	6814	2237	95	3.66	0.1	0.234	0.042	0	0	0	775
PL.58704	PL.58708	ABC	#1/0 ACSR	7.46Y	124.4	0.00	0.59	1.65	1	33	16	90	0.00	0.0	0.239	0.005	0	0	0	1
PD.8726	PL.58704	ABC	25QA	7.46Y	124.4	0.00	0.59	1.65	7	33	16	90	0.00	0.0	0.239	0.005	0	0	0	1
PL.58745	PD.8726	ABC	#1/0 ACSR	7.46Y	124.4	0.00	0.59	1.65	1	33	16	90	0.00	0.0	0.385	0.146	33	16	1	1
PL.58748	PL.58708	ABC	336 MCM AC	7.45Y	124.1	0.28	0.87	318.36	61	6777	2212	95	9.55	0.1	0.346	0.112	0	0	0	774
PL.58744	PL.58748	C	6 A (CWC)	7.45Y	124.1	0.01	0.87	2.19	2	16	4	97	0.00	0.0	0.412	0.067	0	0	0	1
PL.35455	PL.58744	C	6 A (CWC)	7.45Y	124.1	0.00	0.88	2.19	2	16	4	97	0.00	0.0	0.479	0.067	16	4	1	1
PL.58743	PL.58748	ABC	336 MCM AC	7.44Y	124.0	0.11	0.98	317.63	61	6752	2186	95	3.74	0.1	0.390	0.044	0	0	0	773
PL.58717	PL.58743	ABC	336 MCM AC	7.44Y	124.0	0.04	1.02	79.22	15	1717	422	97	0.40	0.0	0.465	0.075	0	0	0	241

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.8731-A	PL.58717	ABC	Closed	7.44Y	124.0	0.00	1.02	79.22	0	1717	421	97	0.00	0.0	0.465	0.075	0	0	0	241
PD.8731-B	PD.8731-A	ABC	Closed	7.44Y	124.0	0.00	1.02	79.22	0	1717	421	97	0.00	0.0	0.465	0.075	0	0	0	241
PL.58718	PD.8731-B	ABC	336 MCM AC	7.44Y	124.0	0.00	1.02	79.22	15	1717	421	97	0.02	0.0	0.468	0.003	0	0	0	241
PL.58713	PL.58718	ABC	336 MCM AC	7.44Y	124.0	0.00	1.02	0.00	0	0	0	100	0.00	0.0	0.470	0.002	0	0	0	0
PD.8729-A	PL.58713	ABC	Open	7.44Y	124.0	0.00	1.02	0.00	0	0	0	100	0.00	0.0	0.470	0.002	0	0	0	0
PL.58715	PL.58718	ABC	336 MCM AC	7.44Y	124.0	0.00	1.02	79.22	15	1717	421	97	0.01	0.0	0.471	0.003	0	0	0	241
PD.8730-A	PL.58715	ABC	Closed	7.44Y	124.0	0.00	1.02	79.22	0	1717	421	97	0.00	0.0	0.471	0.003	0	0	0	241
PD.8730-B	PD.8730-A	ABC	Closed	7.44Y	124.0	0.00	1.02	79.22	0	1717	421	97	0.00	0.0	0.471	0.003	0	0	0	241
PL.58716	PD.8730-B	ABC	336 MCM AC	7.42Y	123.7	0.27	1.29	79.22	15	1717	421	97	2.53	0.1	0.949	0.479	0	0	0	241
PL.58737	PL.58716	ABC	336 MCM AC	7.42Y	123.7	0.04	1.33	79.22	15	1714	415	97	0.37	0.0	1.020	0.071	0	0	0	241
PL.58739	PL.58737	C	6 A (CWC)	7.42Y	123.7	0.00	1.33	3.31	2	24	6	97	0.00	0.0	1.022	0.002	0	0	0	2
PD.5779	PL.58739	C	75QA	7.42Y	123.7	0.00	1.33	3.31	4	24	6	97	0.00	0.0	1.022	0.002	0	0	0	2
PL.36773	PD.5779	C	6 A (CWC)	7.42Y	123.7	0.01	1.35	3.31	2	24	6	97	0.00	0.0	1.123	0.101	3	1	1	2
PL.36774	PL.36773	C	6 A (CWC)	7.42Y	123.6	0.01	1.35	2.86	2	21	5	97	0.00	0.0	1.209	0.086	21	5	1	1
PL.58738	PL.58737	ABC	336 MCM AC	7.42Y	123.6	0.06	1.39	78.11	15	1690	409	97	0.53	0.0	1.123	0.103	8	2	2	239
PL.34562	PL.58738	C	6 A (CWC)	7.42Y	123.6	0.00	1.39	1.08	1	8	2	97	0.00	0.0	1.124	0.001	0	0	0	1
PD.5195	PL.34562	C	75QA	7.42Y	123.6	0.00	1.39	1.08	1	8	2	97	0.00	0.0	1.124	0.001	0	0	0	1
PL.34906	PD.5195	C	6 A (CWC)	7.42Y	123.6	0.00	1.39	1.08	1	8	2	97	0.00	0.0	1.161	0.037	8	2	1	1
PL.36531	PL.58738	ABC	336 MCM AC	7.41Y	123.6	0.03	1.42	77.38	15	1674	404	97	0.30	0.0	1.182	0.059	3	1	2	236
PL.36530	PL.36531	ABC	336 MCM AC	7.41Y	123.6	0.03	1.45	77.22	15	1670	402	97	0.23	0.0	1.228	0.046	9	2	2	234
PL.36319	PL.36530	ABC	336 MCM AC	7.41Y	123.5	0.03	1.48	76.83	15	1661	400	97	0.27	0.0	1.283	0.055	3	1	1	232
PL.35765	PL.36319	ABC	336 MCM AC	7.41Y	123.5	0.01	1.49	76.70	15	1658	398	97	0.09	0.0	1.301	0.018	0	0	0	231
PD.5783	PL.35765	ABC	2404C	7.41Y	123.5	0.00	1.49	76.70	0	1658	398	97	0.00	0.0	1.301	0.018	0	0	0	231
PL.35766	PD.5783	ABC	336 MCM AC	7.41Y	123.5	0.00	1.49	76.70	15	1658	398	97	0.01	0.0	1.302	0.002	0	0	0	231
PL.36175	PL.35766	ABC	336 MCM AC	7.41Y	123.5	0.03	1.52	74.10	14	1602	385	97	0.29	0.0	1.364	0.062	8	2	1	226
PL.36176	PL.36175	ABC	336 MCM AC	7.41Y	123.4	0.03	1.55	73.74	14	1594	383	97	0.29	0.0	1.428	0.064	0	0	0	225
PL.37147	PL.36176	C	#2 ACSR	7.41Y	123.4	0.00	1.55	2.62	1	19	4	98	0.00	0.0	1.429	0.001	0	0	0	2
PD.5198	PL.37147	C	75QA	7.41Y	123.4	0.00	1.55	2.62	3	19	4	98	0.00	0.0	1.429	0.001	0	0	0	2
PL.37148	PD.5198	C	#2 ACSR	7.41Y	123.4	0.00	1.56	2.62	1	19	4	98	0.00	0.0	1.517	0.088	19	4	2	2
PL.37149	PL.36176	B	6 A (CWC)	7.41Y	123.4	0.00	1.56	47.40	34	342	81	97	0.00	0.0	1.429	0.001	0	0	0	46
PD.5197	PL.37149	B	50T	7.41Y	123.4	0.00	1.56	47.40	0	342	81	97	0.00	0.0	1.429	0.001	0	0	0	46

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.37071	PD.5197	B	6 A (CWC)	7.40Y	123.3	0.13	1.69	47.40	34	342	81	97	0.33	0.1	1.490	0.061	0	0	0	46
PL.33876	PL.37071	B	6 A (CWC)	7.36Y	122.7	0.59	2.28	46.62	33	336	79	97	1.47	0.4	1.775	0.286	10	2	2	45
PL.33445	PL.33876	B	#4 ACSR	7.36Y	122.6	0.08	2.36	39.13	30	281	66	97	0.17	0.1	1.822	0.047	11	3	1	36
PL.36317	PL.33445	B	#2 ACSR	7.35Y	122.5	0.12	2.48	28.05	16	201	47	97	0.18	0.1	1.964	0.142	7	2	1	28
PL.36318	PL.36317	B	#2 ACSR	7.35Y	122.5	0.07	2.55	27.14	16	194	45	97	0.10	0.0	2.051	0.087	13	3	1	27
PL.36316	PL.36318	B	#2 ACSR	7.34Y	122.4	0.06	2.61	25.27	14	181	42	97	0.08	0.0	2.142	0.091	41	10	8	26
PL.33742	PL.36316	B	#2 ACSR	7.34Y	122.4	0.00	2.61	0.97	1	7	2	96	0.00	0.0	2.193	0.050	7	2	1	1
PL.34278	PL.36316	B	#4 ACSR	7.34Y	122.3	0.04	2.65	14.55	11	104	24	97	0.03	0.0	2.212	0.069	15	4	2	12
PL.34279	PL.34278	B	#4 ACSR	7.34Y	122.3	0.01	2.66	4.58	4	33	8	97	0.00	0.0	2.248	0.036	16	4	2	4
PL.61974	PL.34279	B	#4 ACSR	7.34Y	122.3	0.00	2.66	2.28	2	16	4	97	0.00	0.0	2.270	0.022	16	4	2	2
PL.36315	PL.34278	B	#4 ACSR	7.34Y	122.3	0.01	2.67	7.85	6	56	13	97	0.00	0.0	2.244	0.032	0	0	0	6
PL.34529	PL.36315	B	#4 ACSR	7.34Y	122.3	0.00	2.67	3.56	3	25	6	97	0.00	0.0	2.265	0.022	14	3	2	3
PL.36312	PL.34529	B	#4 ACSR	7.34Y	122.3	0.00	2.67	1.66	1	12	3	97	0.00	0.0	2.291	0.026	12	3	1	1
PL.36320	PL.36315	B	#4 ACSR	7.34Y	122.3	0.01	2.67	4.29	3	31	7	98	0.00	0.0	2.280	0.036	12	3	1	3
PL.36529	PL.36320	B	#4 ACSR	7.34Y	122.3	0.00	2.67	2.60	2	19	4	98	0.00	0.0	2.313	0.033	9	2	1	2
PL.36651	PL.36529	B	#4 ACSR	7.34Y	122.3	0.00	2.68	1.29	1	9	2	98	0.00	0.0	2.357	0.045	0	0	0	1
PL.33962	PL.36651	B	#4 ACSR	7.34Y	122.3	0.00	2.68	1.29	1	9	2	98	0.00	0.0	2.459	0.102	9	2	1	1
PL.36652	PL.36651	B	#4 ACSR	7.34Y	122.3	0.00	2.68	0.00	0	0	0	100	0.00	0.0	2.382	0.025	0	0	0	0
PL.59945	PL.36316	B	#4 ACSR	7.34Y	122.4	0.00	2.62	4.04	3	29	7	97	0.00	0.0	2.175	0.032	10	2	1	5
PL.59946	PL.59945	B	#4 ACSR	7.34Y	122.4	0.00	2.62	2.59	2	19	4	98	0.00	0.0	2.209	0.034	0	0	0	4
PL.59948	PL.59946	B	#1/0 ACSR	7.34Y	122.4	0.00	2.62	0.82	0	6	1	99	0.00	0.0	2.276	0.067	6	1	1	1
PL.59947	PL.59946	B	#4 ACSR	7.34Y	122.4	0.00	2.63	1.77	1	13	3	97	0.00	0.0	2.278	0.069	9	2	1	3
PL.59944	PL.59947	B	#4 ACSR	7.34Y	122.4	0.00	2.63	0.54	0	4	1	97	0.00	0.0	2.324	0.046	0	0	0	2
PL.34853	PL.59944	B	#4 ACSR	7.34Y	122.4	0.00	2.63	0.54	0	4	1	97	0.00	0.0	2.360	0.036	0	0	0	2
PL.35285	PL.34853	B	#4 ACSR	7.34Y	122.4	0.00	2.63	0.05	0	0	0	100	0.00	0.0	2.416	0.056	0	0	1	1
PL.64788	PL.34853	B	#4 ACSR	7.34Y	122.4	0.00	2.63	0.49	0	3	1	95	0.00	0.0	2.391	0.030	0	0	0	1
PL.64787	PL.64788	B	#4 ACSR	7.34Y	122.4	0.00	2.63	0.49	0	3	1	95	0.00	0.0	2.391	0.000	3	1	1	1
PL.36474	PL.33445	B	#4 ACSR	7.36Y	122.6	0.04	2.40	9.58	7	69	16	97	0.02	0.0	1.936	0.114	27	6	4	7
PL.36475	PL.36474	B	#4 ACSR	7.36Y	122.6	0.01	2.40	3.11	2	22	5	98	0.00	0.0	2.022	0.087	22	5	2	2
PL.33741	PL.36474	B	#4 ACSR	7.36Y	122.6	0.00	2.40	2.66	2	19	4	98	0.00	0.0	2.008	0.073	19	4	1	1
PL.35132	PL.33876	B	#4 ACSR	7.36Y	122.7	0.00	2.28	0.00	0	0	0	100	0.00	0.0	1.835	0.059	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: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.35027	PL.33876	B	#4 ACSR	7.36Y	122.7	0.02	2.30	6.11	5	44	10	98	0.01	0.0	1.857	0.082	0	0	1	7
PL.35028	PL.35027	B	#4 ACSR	7.36Y	122.7	0.02	2.32	6.10	5	44	10	98	0.01	0.0	1.942	0.085	0	0	0	6
PL.35026	PL.35028	B	#4 ACSR	7.36Y	122.7	0.01	2.33	5.03	4	36	8	98	0.00	0.0	1.998	0.056	23	5	2	5
PL.34023	PL.35026	B	#4 ACSR	7.36Y	122.7	0.00	2.34	1.87	1	13	3	97	0.00	0.0	2.080	0.082	13	3	3	3
PL.34862	PL.35028	B	#4 ACSR	7.36Y	122.7	0.00	2.32	1.07	1	8	2	97	0.00	0.0	1.990	0.048	8	2	1	1
PL.34994	PL.37071	B	6 A (CWC)	7.40Y	123.3	0.00	1.69	0.78	1	6	1	99	0.00	0.0	1.541	0.051	6	1	1	1
PL.62544	PL.36176	ABC	336 MCM AC	7.40Y	123.4	0.05	1.61	57.06	11	1233	297	97	0.36	0.0	1.559	0.130	0	0	0	177
PL.62546	PL.62544	A	#2 ACSR	7.40Y	123.4	0.00	1.61	7.46	4	54	13	97	0.00	0.0	1.559	0.000	0	0	0	4
PD.5128	PL.62546	A	75QA	7.40Y	123.4	0.00	1.61	7.46	10	54	13	97	0.00	0.0	1.559	0.000	0	0	0	4
PL.36049	PD.5128	A	#2 ACSR	7.40Y	123.4	0.01	1.61	7.46	4	54	13	97	0.00	0.0	1.618	0.059	54	13	4	4
PL.62545	PL.62544	ABC	336 MCM AC	7.40Y	123.4	0.02	1.63	54.13	10	1169	282	97	0.14	0.0	1.616	0.058	0	0	0	171
PL.34615	PL.62545	C	#4 ACSR	7.40Y	123.4	0.00	1.63	13.90	11	100	23	97	0.00	0.0	1.618	0.002	0	0	0	8
PD.5098	PL.34615	C	75QA	7.40Y	123.4	0.00	1.63	13.90	19	100	23	97	0.00	0.0	1.618	0.002	0	0	0	8
PL.59963	PD.5098	C	#4 ACSR	7.40Y	123.3	0.03	1.66	13.90	11	100	23	97	0.02	0.0	1.671	0.052	12	3	1	8
PL.59967	PL.59963	C	#4 ACSR	7.40Y	123.3	0.03	1.69	12.22	9	88	20	98	0.02	0.0	1.724	0.053	0	0	0	7
PL.59962	PL.59967	C	1/0 AL URD	7.40Y	123.3	0.00	1.69	1.22	1	9	2	98	0.00	0.0	1.785	0.061	9	2	1	1
PL.59968	PL.59967	C	#4 ACSR	7.40Y	123.3	0.04	1.72	11.00	8	79	18	98	0.02	0.0	1.800	0.076	7	2	2	6
PL.59965	PL.59968	C	#4 ACSR	7.40Y	123.3	0.00	1.73	1.72	1	12	3	97	0.00	0.0	1.863	0.064	12	3	1	1
PL.59966	PL.59968	C	#2 ACSR	7.40Y	123.3	0.01	1.73	4.16	2	30	7	97	0.00	0.0	1.864	0.064	0	0	1	2
PL.35598	PL.59966	C	#2 ACSR	7.40Y	123.3	0.01	1.74	4.10	2	30	7	97	0.00	0.0	1.977	0.113	30	7	1	1
PL.59964	PL.59968	C	#2 ACSR	7.40Y	123.3	0.00	1.73	4.09	2	29	7	97	0.00	0.0	1.831	0.031	29	7	1	1
PL.34616	PL.62545	ABC	336 MCM AC	7.40Y	123.3	0.02	1.65	49.49	10	1068	258	97	0.12	0.0	1.677	0.060	0	0	0	163
PL.35596	PL.34616	C	#2 ACSR	7.40Y	123.3	0.00	1.65	0.00	0	0	0	100	0.00	0.0	1.681	0.004	0	0	0	0
PD.5160	PL.35596	C	50QA	7.40Y	123.3	0.00	1.65	0.00	0	0	0	100	0.00	0.0	1.681	0.004	0	0	0	0
PL.35597	PD.5160	C	#2 ACSR	7.40Y	123.3	0.00	1.65	0.00	0	0	0	100	0.00	0.0	1.738	0.057	0	0	0	0
PL.35595	PL.34616	ABC	336 MCM AC	7.40Y	123.3	0.02	1.67	49.49	10	1068	258	97	0.12	0.0	1.737	0.060	0	0	0	163
PL.33724	PL.35595	A	#2 ACSR	7.40Y	123.3	0.00	1.67	1.75	1	13	3	97	0.00	0.0	1.779	0.042	0	0	0	1
PL.34865	PL.33724	A	2 AL URD	7.40Y	123.3	0.00	1.68	1.75	1	13	3	97	0.00	0.0	1.831	0.053	13	3	1	1
PL.35747	PL.35595	A	#4 ACSR	7.40Y	123.3	0.00	1.67	1.87	1	13	3	97	0.00	0.0	1.738	0.001	0	0	0	3
PD.5159	PL.35747	A	75QA	7.40Y	123.3	0.00	1.67	1.87	2	13	3	97	0.00	0.0	1.738	0.001	0	0	0	3
PL.36334	PD.5159	A	#4 ACSR	7.40Y	123.3	0.01	1.68	1.87	1	13	3	97	0.00	0.0	1.813	0.075	4	1	2	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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.36335	PL.36334	A	#4 ACSR	7.40Y	123.3	0.00	1.68	1.25	1	9	2	98	0.00	0.0	1.911	0.098	9	2	1	1
PL.35339	PL.35595	ABC	336 MCM AC	7.40Y	123.3	0.05	1.73	48.29	9	1042	252	97	0.31	0.0	1.894	0.156	0	0	0	159
PL.34443	PL.35339	C	6 A (CWC)	7.40Y	123.3	0.00	1.73	1.79	1	13	3	97	0.00	0.0	1.895	0.001	0	0	0	1
PD.5171	PL.34443	C	75QA	7.40Y	123.3	0.00	1.73	1.79	2	13	3	97	0.00	0.0	1.895	0.001	0	0	0	1
PL.35346	PD.5171	C	6 A (CWC)	7.40Y	123.3	0.00	1.73	1.79	1	13	3	97	0.00	0.0	1.955	0.060	13	3	1	1
PL.35340	PL.35339	ABC	336 MCM AC	7.39Y	123.2	0.04	1.76	47.69	9	1029	248	97	0.21	0.0	2.005	0.111	0	0	0	158
PL.34776	PL.35340	C	#2 ACSR	7.39Y	123.2	0.00	1.76	3.65	2	26	6	97	0.00	0.0	2.005	0.001	0	0	0	3
PD.5751	PL.34776	C	40QA	7.39Y	123.2	0.00	1.76	3.65	9	26	6	97	0.00	0.0	2.005	0.001	0	0	0	3
PL.36310	PD.5751	C	#2 ACSR	7.39Y	123.2	0.01	1.77	3.65	2	26	6	97	0.00	0.0	2.091	0.086	16	4	2	3
PL.36311	PL.36310	C	#2 ACSR	7.39Y	123.2	0.00	1.77	1.44	1	10	2	98	0.00	0.0	2.133	0.043	10	2	1	1
PL.34440	PL.35340	ABC	336 MCM AC	7.39Y	123.2	0.02	1.79	46.47	9	1002	242	97	0.13	0.0	2.077	0.072	0	0	0	155
PL.36305	PL.34440	ABC	336 MCM AC	7.39Y	123.2	0.03	1.82	43.15	8	930	225	97	0.18	0.0	2.191	0.114	8	2	1	141
PL.33842	PL.36305	ABC	336 MCM AC	7.39Y	123.2	0.01	1.84	42.80	8	923	222	97	0.07	0.0	2.238	0.047	4	1	1	140
PL.35588	PL.33842	A	#4 ACSR	7.39Y	123.2	0.00	1.84	0.00	0	0	0	100	0.00	0.0	2.243	0.006	0	0	0	0
PD.5019	PL.35588	A	75QA	7.39Y	123.2	0.00	1.84	0.00	0	0	0	100	0.00	0.0	2.243	0.006	0	0	0	0
PL.35589	PD.5019	A	#4 ACSR	7.39Y	123.2	0.00	1.84	0.00	0	0	0	100	0.00	0.0	2.287	0.044	0	0	0	0
PL.33411	PL.33842	ABC	336 MCM AC	7.39Y	123.1	0.03	1.87	42.59	8	918	221	97	0.14	0.0	2.332	0.095	0	0	0	139
PL.37166	PL.33411	ABC	336 MCM AC	7.39Y	123.1	0.05	1.91	42.08	8	907	218	97	0.24	0.0	2.493	0.160	7	2	1	138
PL.64721	PL.37166	ABC	336 MCM AC	7.38Y	123.0	0.08	1.99	41.77	8	900	216	97	0.40	0.0	2.766	0.273	8	2	1	137
PL.64722	PL.64721	ABC	336 MCM AC	7.38Y	123.0	0.00	1.99	41.39	8	891	213	97	0.00	0.0	2.766	0.000	0	0	0	136
PL.61987	PL.64722	ABC	336 MCM AC	7.38Y	123.0	0.03	2.03	41.39	8	891	213	97	0.16	0.0	2.879	0.114	4	1	2	136
PL.36109	PL.61987	ABC	336 MCM AC	7.38Y	122.9	0.04	2.06	41.19	8	887	212	97	0.18	0.0	3.008	0.129	6	1	1	134
PL.35562	PL.36109	C	#4 ACSR	7.38Y	122.9	0.00	2.06	1.95	2	14	3	98	0.00	0.0	3.009	0.001	0	0	0	2
PD.5115	PL.35562	C	75QA	7.38Y	122.9	0.00	2.06	1.95	3	14	3	98	0.00	0.0	3.009	0.001	0	0	0	2
PL.35563	PD.5115	C	#4 ACSR	7.38Y	122.9	0.01	2.07	1.95	2	14	3	98	0.00	0.0	3.087	0.077	0	0	0	2
PL.34544	PL.35563	C	#4 ACSR	7.38Y	122.9	0.00	2.07	1.95	2	14	3	98	0.00	0.0	3.130	0.043	12	3	1	2
PL.62052	PL.34544	C	#1/0 ACSR	7.38Y	122.9	0.00	2.07	0.29	0	2	0	100	0.00	0.0	3.164	0.034	2	0	1	1
PL.33672	PL.36109	C	#2 ACSR	7.38Y	122.9	0.01	2.07	1.74	1	12	3	97	0.00	0.0	3.146	0.138	3	1	1	2
PL.66249	PL.33672	C	#1/0 ACSR	7.38Y	122.9	0.00	2.07	1.25	1	9	2	98	0.00	0.0	3.208	0.062	9	2	1	1
PL.34612	PL.36109	ABC	336 MCM AC	7.37Y	122.9	0.04	2.10	39.66	8	854	204	97	0.18	0.0	3.142	0.134	13	3	3	129
PL.35157	PL.34612	ABC	336 MCM AC	7.37Y	122.9	0.05	2.15	39.08	8	841	201	97	0.21	0.0	3.307	0.165	0	0	0	126

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.33930	PL.35157	ABC	336 MCM AC	7.37Y	122.8	0.02	2.17	36.67	7	789	188	97	0.08	0.0	3.381	0.073	8	2	1	118
PL.34545	PL.33930	ABC	336 MCM AC	7.37Y	122.8	0.02	2.19	36.31	7	781	186	97	0.10	0.0	3.469	0.088	9	2	4	117
PL.34546	PL.34545	ABC	336 MCM AC	7.37Y	122.8	0.04	2.23	35.88	7	772	184	97	0.19	0.0	3.642	0.173	8	2	1	113
PL.36257	PL.34546	ABC	336 MCM AC	7.36Y	122.7	0.03	2.26	35.49	7	763	181	97	0.11	0.0	3.745	0.103	9	2	1	112
PL.37161	PL.36257	ABC	336 MCM AC	7.36Y	122.7	0.02	2.28	35.05	7	753	179	97	0.07	0.0	3.814	0.069	15	4	2	111
PL.36675	PL.37161	ABC	336 MCM AC	7.36Y	122.7	0.01	2.28	34.33	7	738	175	97	0.04	0.0	3.851	0.037	0	0	0	109
PL.34912	PL.36675	ABC	336 MCM AC	7.36Y	122.7	0.01	2.30	33.57	6	722	171	97	0.05	0.0	3.906	0.055	9	2	1	108
PL.36674	PL.34912	ABC	336 MCM AC	7.36Y	122.6	0.06	2.35	33.16	6	713	169	97	0.22	0.0	4.141	0.235	0	0	0	107
PL.36411	PL.36674	ABC	336 MCM AC	7.35Y	122.5	0.11	2.46	33.16	6	712	168	97	0.44	0.1	4.618	0.477	12	3	1	107
PL.36412	PL.36411	ABC	336 MCM AC	7.35Y	122.5	0.03	2.49	32.40	6	696	164	97	0.12	0.0	4.751	0.134	2	0	2	105
PL.35936	PL.36412	C	6 A (CWC)	7.35Y	122.5	0.00	2.49	0.42	0	3	1	95	0.00	0.0	4.752	0.001	0	0	0	2
PD.5030	PL.35936	C	40QA	7.35Y	122.5	0.00	2.49	0.42	1	3	1	95	0.00	0.0	4.752	0.001	0	0	0	2
PL.35937	PD.5030	C	6 A (CWC)	7.35Y	122.5	0.00	2.49	0.42	0	3	1	95	0.00	0.0	4.830	0.078	2	0	1	2
PL.34920	PL.35937	C	6 A (CWC)	7.35Y	122.5	0.00	2.49	0.18	0	1	0	100	0.00	0.0	4.871	0.041	1	0	1	1
PL.35935	PL.36412	ABC	336 MCM AC	7.35Y	122.5	0.01	2.50	25.56	5	549	129	97	0.03	0.0	4.800	0.049	22	5	3	72
PL.34568	PL.35935	ABC	336 MCM AC	7.35Y	122.5	0.01	2.51	24.54	5	527	124	97	0.04	0.0	4.872	0.072	5	1	3	69
PL.36201	PL.34568	ABC	336 MCM AC	7.35Y	122.5	0.02	2.53	24.29	5	521	122	97	0.05	0.0	4.971	0.100	0	0	0	66
PL.37015	PL.36201	ABC	336 MCM AC	7.35Y	122.4	0.03	2.57	23.38	5	502	118	97	0.09	0.0	5.177	0.206	0	0	0	60
PL.37016	PL.37015	ABC	336 MCM AC	7.34Y	122.4	0.02	2.59	22.60	4	485	114	97	0.06	0.0	5.311	0.134	11	3	1	59
PL.36237	PL.37016	ABC	336 MCM AC	7.34Y	122.4	0.01	2.60	22.08	4	474	111	97	0.03	0.0	5.393	0.082	0	0	0	58
PL.57407	PL.36237	C	6 A (CWC)	7.34Y	122.4	0.01	2.61	45.85	33	328	77	97	0.03	0.0	5.400	0.007	0	0	0	40
PD.8285	PL.57407	C	30T	7.34Y	122.4	0.00	2.61	45.85	0	328	77	97	0.00	0.0	5.400	0.007	0	0	0	40
PL.57408	PD.8285	C	6 A (CWC)	7.33Y	122.2	0.20	2.82	44.67	32	319	75	97	0.49	0.2	5.500	0.100	0	0	0	39
PL.57405	PL.57408	C	#4 ACSR	7.33Y	122.2	0.00	2.82	2.79	2	20	5	97	0.00	0.0	5.570	0.070	20	5	2	2
PL.57406	PL.57408	C	#2 ACSR	7.33Y	122.2	0.00	2.82	2.86	2	20	5	97	0.00	0.0	5.535	0.035	20	5	2	2
PL.62055	PL.57408	C	6 A (CWC)	7.32Y	122.0	0.19	3.01	39.02	28	279	65	97	0.39	0.1	5.612	0.112	15	3	3	35
PL.62056	PL.62055	C	6 A (CWC)	7.32Y	121.9	0.05	3.05	33.08	24	236	55	97	0.08	0.0	5.644	0.032	12	3	1	30
PL.62057	PL.62056	C	6 A (CWC)	7.31Y	121.9	0.03	3.09	31.45	22	224	52	97	0.05	0.0	5.668	0.024	22	5	2	29
PL.62054	PL.62057	C	6 A (CWC)	7.31Y	121.9	0.03	3.12	28.40	20	202	47	97	0.05	0.0	5.692	0.024	0	0	0	27
PL.35141	PL.62054	C	6 A (CWC)	7.31Y	121.8	0.08	3.20	28.40	20	202	47	97	0.12	0.1	5.754	0.062	0	0	0	27
PL.62541	PL.35141	C	6 A (CWC)	7.30Y	121.7	0.13	3.32	25.94	19	185	43	97	0.18	0.1	5.863	0.109	0	0	0	24

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.62542	PL.62541	C	6 A (CWC)	7.30Y	121.7	0.02	3.34	24.39	17	173	40	97	0.02	0.0	5.879	0.016	1	0	1	23
PL.34940	PL.62542	C	6 A (CWC)	7.30Y	121.7	0.01	3.35	3.09	2	22	5	98	0.00	0.0	5.927	0.048	7	2	1	4
PL.33659	PL.34940	C	6 A (CWC)	7.30Y	121.6	0.00	3.35	2.04	1	15	3	98	0.00	0.0	5.963	0.037	5	1	2	3
PL.33860	PL.33659	C	#1/0 ACSR	7.30Y	121.6	0.00	3.35	1.31	1	9	2	98	0.00	0.0	5.993	0.030	9	2	1	1
PL.33660	PL.33659	C	6 A (CWC)	7.30Y	121.6	0.00	3.35	0.00	0	0	0	100	0.00	0.0	5.985	0.021	0	0	0	0
PL.35579	PL.62542	C	6 A (CWC)	7.30Y	121.6	0.04	3.39	21.17	15	150	35	97	0.05	0.0	5.927	0.048	13	3	1	18
PL.36539	PL.35579	C	6 A (CWC)	7.29Y	121.6	0.04	3.43	19.31	14	137	32	97	0.04	0.0	5.979	0.053	34	8	5	17
PL.36532	PL.36539	C	#4 ACSR	7.29Y	121.6	0.00	3.43	0.79	1	6	1	99	0.00	0.0	6.021	0.041	6	1	2	2
PL.36533	PL.36532	C	#4 ACSR	7.29Y	121.6	0.00	3.43	0.00	0	0	0	100	0.00	0.0	6.038	0.018	0	0	0	0
PL.36535	PL.36539	C	6 A (CWC)	7.29Y	121.5	0.03	3.46	13.73	10	98	23	97	0.02	0.0	6.043	0.063	27	6	2	10
PL.34472	PL.36535	C	6 A (CWC)	7.29Y	121.5	0.01	3.47	8.43	6	60	14	97	0.00	0.0	6.105	0.062	53	12	5	7
PL.33439	PL.34472	C	6 A (CWC)	7.29Y	121.5	0.00	3.47	1.02	1	7	2	96	0.00	0.0	6.132	0.027	0	0	0	2
PL.33843	PL.33439	C	#2 ACSR	7.29Y	121.5	0.00	3.47	1.02	1	7	2	96	0.00	0.0	6.163	0.031	7	2	2	2
PL.33440	PL.33439	C	6 A (CWC)	7.29Y	121.5	0.00	3.47	0.00	0	0	0	100	0.00	0.0	6.183	0.051	0	0	0	0
PL.34347	PL.36535	C	#4 ACSR	7.29Y	121.5	0.01	3.47	1.53	1	11	3	96	0.00	0.0	6.145	0.103	0	0	0	1
PL.34292	PL.34347	C	#4 ACSR	7.29Y	121.5	0.00	3.47	1.53	1	11	3	96	0.00	0.0	6.198	0.053	11	3	1	1
PL.34437	PL.34292	C	#4 ACSR	7.29Y	121.5	0.00	3.47	0.00	0	0	0	100	0.00	0.0	6.228	0.030	0	0	0	0
PL.62543	PL.62541	C	#1/0 ACSR	7.30Y	121.7	0.00	3.33	1.55	1	11	3	96	0.00	0.0	5.914	0.051	11	3	1	1
PL.35139	PL.35141	C	6 A (CWC)	7.31Y	121.8	0.00	3.20	1.15	1	8	2	97	0.00	0.0	5.813	0.058	8	2	1	1
PL.35140	PL.35139	C	6 A (CWC)	7.31Y	121.8	0.00	3.20	0.00	0	0	0	100	0.00	0.0	5.841	0.028	0	0	0	0
PL.34342	PL.35141	C	6 A (CWC)	7.31Y	121.8	0.00	3.20	1.32	1	9	2	98	0.00	0.0	5.832	0.078	9	2	2	2
PL.64569	PL.62055	C	6 A (CWC)	7.32Y	122.0	0.00	3.01	2.82	2	20	5	97	0.00	0.0	5.656	0.045	20	5	1	1
PL.64570	PL.64569	C	6 A (CWC)	7.32Y	122.0	0.00	3.01	0.00	0	0	0	100	0.00	0.0	5.690	0.034	0	0	0	0
PL.62053	PL.62055	C	#4 ACSR	7.32Y	122.0	0.00	3.01	1.08	1	8	2	97	0.00	0.0	5.669	0.058	8	2	1	1
PL.57409	PD.8285	C	#4 ACSR	7.34Y	122.4	0.00	2.62	1.17	1	8	2	97	0.00	0.0	5.485	0.085	0	0	0	1
PL.57410	PL.57409	C	#4 ACSR	7.34Y	122.4	0.00	2.62	1.17	1	8	2	97	0.00	0.0	5.531	0.046	8	2	1	1
PL.34923	PL.36237	ABC	336 MCM AC	7.34Y	122.4	0.01	2.60	6.80	1	146	34	97	0.00	0.0	5.502	0.109	0	0	1	18
PL.34924	PL.34923	ABC	336 MCM AC	7.34Y	122.4	0.00	2.61	6.22	1	134	31	97	0.00	0.0	5.550	0.048	22	5	4	16
PL.36425	PL.34924	ABC	336 MCM AC	7.34Y	122.4	0.00	2.61	1.79	0	38	9	97	0.00	0.0	5.631	0.080	0	0	0	5
PL.57377	PL.36425	ABC	336 MCM AC	7.34Y	122.4	0.00	2.61	1.36	0	29	7	97	0.00	0.0	5.769	0.139	0	0	0	4
PL.59253	PL.57377	ABC	336 MCM AC	7.34Y	122.4	0.00	2.61	0.00	0	0	0	100	0.00	0.0	5.809	0.040	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: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.59254	PL.59253	ABC	336 MCM AC	7.34Y	122.4	0.00	2.61	0.00	0	0	0	100	0.00	0.0	5.813	0.003	0	0	0	0
PD.8756-A	PL.59254	ABC	Open	7.34Y	122.4	0.00	2.61	0.00	0	0	0	100	0.00	0.0	5.813	0.003	0	0	0	0
PL.57375	PL.57377	A	#2 ACSR	7.34Y	122.4	0.00	2.61	2.92	2	21	5	97	0.00	0.0	5.813	0.043	21	5	2	2
PL.57376	PL.57377	A	#4 ACSR	7.34Y	122.4	0.00	2.61	1.17	1	8	2	97	0.00	0.0	5.770	0.001	0	0	0	2
PD.5724	PL.57376	A	40QA	7.34Y	122.4	0.00	2.61	1.17	3	8	2	97	0.00	0.0	5.770	0.001	0	0	0	2
PL.36283	PD.5724	A	#4 ACSR	7.34Y	122.4	0.00	2.61	1.17	1	8	2	97	0.00	0.0	5.802	0.032	8	2	2	2
PL.36426	PL.36425	A	6 A (CWC)	7.34Y	122.4	0.00	2.61	1.27	1	9	2	98	0.00	0.0	5.631	0.001	0	0	0	1
PD.5063	PL.36426	A	40QA	7.34Y	122.4	0.00	2.61	1.27	3	9	2	98	0.00	0.0	5.631	0.001	0	0	0	1
PL.36427	PD.5063	A	6 A (CWC)	7.34Y	122.4	0.00	2.61	1.27	1	9	2	98	0.00	0.0	5.673	0.041	0	0	0	1
PL.36424	PL.36427	A	#1/0 ACSR	7.34Y	122.4	0.00	2.61	1.27	1	9	2	98	0.00	0.0	5.723	0.051	9	2	1	1
PL.35691	PL.34924	A	#4 ACSR	7.34Y	122.4	0.00	2.61	10.22	8	73	17	97	0.00	0.0	5.551	0.000	0	0	0	7
PD.5220	PL.35691	A	40QA	7.34Y	122.4	0.00	2.61	10.22	26	73	17	97	0.00	0.0	5.551	0.000	0	0	0	7
PL.35692	PD.5220	A	#4 ACSR	7.34Y	122.4	0.01	2.62	10.22	8	73	17	97	0.01	0.0	5.580	0.029	27	6	3	7
PL.36247	PL.35692	A	#4 ACSR	7.34Y	122.4	0.02	2.64	6.38	5	46	11	97	0.01	0.0	5.657	0.077	0	0	0	4
PL.33722	PL.36247	A	#4 ACSR	7.34Y	122.4	0.00	2.64	2.37	2	17	4	97	0.00	0.0	5.693	0.036	17	4	3	3
PL.36248	PL.36247	A	#4 ACSR	7.34Y	122.3	0.01	2.65	4.02	3	29	7	97	0.00	0.0	5.808	0.151	29	7	1	1
PL.34293	PL.34923	C	#2 ACSR	7.34Y	122.4	0.00	2.60	1.73	1	12	3	97	0.00	0.0	5.503	0.001	0	0	0	1
PD.5723	PL.34293	C	40QA	7.34Y	122.4	0.00	2.60	1.73	4	12	3	97	0.00	0.0	5.503	0.001	0	0	0	1
PL.34294	PD.5723	C	#2 ACSR	7.34Y	122.4	0.00	2.61	1.73	1	12	3	97	0.00	0.0	5.538	0.035	12	3	1	1
PL.34199	PL.34294	C	#2 ACSR	7.34Y	122.4	0.00	2.61	0.00	0	0	0	100	0.00	0.0	5.597	0.059	0	0	0	0
PL.35204	PL.37015	A	#1/0 ACSR	7.35Y	122.4	0.00	2.57	2.34	1	17	4	97	0.00	0.0	5.222	0.045	17	4	1	1
PL.36074	PL.36201	A	#4 ACSR	7.35Y	122.5	0.00	2.53	2.72	2	19	5	97	0.00	0.0	4.973	0.001	0	0	0	6
PD.5114	PL.36074	A	25T	7.35Y	122.5	0.00	2.53	2.72	0	19	5	97	0.00	0.0	4.973	0.001	0	0	0	6
PL.36075	PD.5114	A	#4 ACSR	7.35Y	122.5	0.00	2.54	2.72	2	19	5	97	0.00	0.0	5.028	0.055	13	3	1	6
PL.36202	PL.36075	A	#4 ACSR	7.35Y	122.5	0.00	2.54	0.90	1	6	2	95	0.00	0.0	5.051	0.024	0	0	1	5
PL.34569	PL.36202	A	#4 ACSR	7.35Y	122.5	0.00	2.54	0.89	1	6	1	99	0.00	0.0	5.083	0.032	1	0	1	4
PL.36073	PL.34569	A	#4 ACSR	7.35Y	122.5	0.00	2.54	0.75	1	5	1	98	0.00	0.0	5.145	0.062	5	1	3	3
PL.35938	PL.36412	B	6 A (CWC)	7.35Y	122.5	0.00	2.49	19.85	14	142	33	97	0.00	0.0	4.752	0.001	0	0	0	29
PD.5109	PL.35938	B	40QA	7.35Y	122.5	0.00	2.49	19.85	50	142	33	97	0.00	0.0	4.752	0.001	0	0	0	29
PL.34631	PD.5109	B	6 A (CWC)	7.35Y	122.5	0.05	2.54	19.85	14	142	33	97	0.05	0.0	4.806	0.054	12	3	1	29
PL.36587	PL.34631	B	6 A (CWC)	7.34Y	122.4	0.09	2.63	18.18	13	130	30	97	0.08	0.1	4.911	0.105	0	0	0	28

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.35406	PL.36587	B	#4 ACSR	7.34Y	122.4	0.00	2.63	1.35	1	10	2	98	0.00	0.0	4.967	0.056	10	2	1	1
PL.36588	PL.36587	B	6 A (CWC)	7.34Y	122.3	0.07	2.70	16.83	12	120	28	97	0.07	0.1	5.009	0.098	0	0	0	27
PL.36238	PL.36588	B	6 A (CWC)	7.34Y	122.3	0.03	2.73	15.69	11	112	26	97	0.02	0.0	5.049	0.040	7	2	1	21
PL.34007	PL.36238	B	6 A (CWC)	7.34Y	122.3	0.02	2.74	14.70	11	105	24	97	0.01	0.0	5.073	0.025	9	2	1	20
PL.33822	PL.34007	B	6 A (CWC)	7.33Y	122.2	0.04	2.78	13.38	10	96	22	97	0.02	0.0	5.137	0.064	13	3	1	19
PL.34933	PL.33822	B	6 A (CWC)	7.33Y	122.2	0.03	2.81	11.58	8	83	19	97	0.02	0.0	5.200	0.063	7	2	1	18
PL.34932	PL.34933	B	6 A (CWC)	7.33Y	122.2	0.01	2.83	10.60	8	76	18	97	0.01	0.0	5.233	0.033	12	3	3	17
PL.34931	PL.34932	B	6 A (CWC)	7.33Y	122.1	0.05	2.87	8.97	6	64	15	97	0.02	0.0	5.364	0.131	17	4	1	14
PL.34365	PL.34931	B	6 A (CWC)	7.33Y	122.1	0.01	2.88	6.57	5	47	11	97	0.00	0.0	5.393	0.029	3	1	1	13
PL.34364	PL.34365	B	6 A (CWC)	7.33Y	122.1	0.02	2.90	6.10	4	44	10	98	0.00	0.0	5.454	0.061	6	1	2	12
PL.34363	PL.34364	B	6 A (CWC)	7.33Y	122.1	0.01	2.90	5.28	4	38	9	97	0.00	0.0	5.509	0.055	29	7	7	10
PL.35374	PL.34363	B	6 A (CWC)	7.33Y	122.1	0.00	2.91	1.24	1	9	2	98	0.00	0.0	5.564	0.055	9	2	3	3
PL.34873	PL.36588	B	#4 ACSR	7.34Y	122.3	0.00	2.71	1.14	1	8	2	97	0.00	0.0	5.112	0.103	2	1	1	6
PL.36268	PL.34873	B	#4 ACSR	7.34Y	122.3	0.00	2.71	0.79	1	6	1	99	0.00	0.0	5.142	0.030	0	0	1	5
PL.36269	PL.36268	B	#4 ACSR	7.34Y	122.3	0.00	2.71	0.78	1	6	1	99	0.00	0.0	5.200	0.058	5	1	2	4
PL.63686	PL.36269	B	#4 ACSR	7.34Y	122.3	0.00	2.71	0.08	0	1	0	100	0.00	0.0	5.243	0.043	0	0	1	2
PL.63687	PL.63686	B	#4 ACSR	7.34Y	122.3	0.00	2.71	0.03	0	0	0	100	0.00	0.0	5.243	0.000	0	0	1	1
PL.36589	PL.36411	C	#4 ACSR	7.35Y	122.5	0.00	2.46	0.56	0	4	1	97	0.00	0.0	4.619	0.001	0	0	0	1
PD.5148	PL.36589	C	40QA	7.35Y	122.5	0.00	2.46	0.56	1	4	1	97	0.00	0.0	4.619	0.001	0	0	0	1
PL.36244	PD.5148	C	#4 ACSR	7.35Y	122.5	0.00	2.46	0.56	0	4	1	97	0.00	0.0	4.666	0.047	0	0	0	1
PL.59910	PL.36244	C	#4 ACSR	7.35Y	122.5	0.00	2.46	0.56	0	4	1	97	0.00	0.0	4.738	0.072	4	1	1	1
PL.35230	PL.36675	A	#2 ACSR	7.36Y	122.7	0.00	2.29	2.27	1	16	4	97	0.00	0.0	3.908	0.058	16	4	1	1
PL.33436	PL.34545	C	#4 ACSR	7.37Y	122.8	0.00	2.19	0.00	0	0	0	100	0.00	0.0	3.470	0.001	0	0	0	0
PD.5742	PL.33436	C	75QA	7.37Y	122.8	0.00	2.19	0.00	0	0	0	100	0.00	0.0	3.470	0.001	0	0	0	0
PL.33437	PD.5742	C	#4 ACSR	7.37Y	122.8	0.00	2.19	0.00	0	0	0	100	0.00	0.0	3.617	0.147	0	0	0	0
PL.35156	PL.35157	C	6 A (CWC)	7.37Y	122.8	0.00	2.15	7.25	5	52	12	97	0.00	0.0	3.322	0.015	0	0	0	8
PL.34515	PL.35156	C	6 A (CWC)	7.37Y	122.8	0.00	2.15	7.25	5	52	12	97	0.00	0.0	3.326	0.004	0	0	0	8
PD.5789	PL.34515	C	35L	7.37Y	122.8	0.00	2.15	7.25	21	52	12	97	0.00	0.0	3.326	0.004	0	0	0	8
PL.34516	PD.5789	C	6 A (CWC)	7.37Y	122.8	0.02	2.17	7.25	5	52	12	97	0.01	0.0	3.378	0.052	11	3	1	8
PL.34514	PL.34516	C	6 A (CWC)	7.36Y	122.7	0.17	2.34	5.72	4	41	10	97	0.05	0.1	4.033	0.655	0	0	0	7
PL.59955	PL.34514	C	6 A (CWC)	7.36Y	122.6	0.03	2.37	4.83	3	35	8	97	0.01	0.0	4.213	0.181	8	2	1	6

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.59956	PL.59955	C	6 A (CWC)	7.36Y	122.6	0.01	2.38	3.72	3	27	6	98	0.00	0.0	4.260	0.047	0	0	0	5
PL.34341	PL.59956	C	#2 ACSR	7.36Y	122.6	0.00	2.38	0.00	0	0	0	100	0.00	0.0	4.297	0.037	0	0	0	0
PL.36220	PL.59956	C	6 A (CWC)	7.36Y	122.6	0.01	2.39	3.72	3	27	6	98	0.00	0.0	4.337	0.077	7	2	2	5
PL.36221	PL.36220	C	6 A (CWC)	7.36Y	122.6	0.01	2.40	2.70	2	19	5	97	0.00	0.0	4.382	0.044	0	0	0	3
PL.36222	PL.36221	C	6 A (CWC)	7.36Y	122.6	0.00	2.40	2.70	2	19	5	97	0.00	0.0	4.418	0.037	11	2	1	3
PL.36223	PL.36222	C	6 A (CWC)	7.36Y	122.6	0.00	2.40	1.23	1	9	2	98	0.00	0.0	4.439	0.021	0	0	1	2
PL.35698	PL.36223	C	6 A (CWC)	7.36Y	122.6	0.00	2.40	1.22	1	9	2	98	0.00	0.0	4.464	0.025	9	2	1	1
PL.35070	PL.34514	C	6 A (CWC)	7.36Y	122.7	0.00	2.34	0.88	1	6	1	99	0.00	0.0	4.094	0.061	6	1	1	1
PL.36388	PL.33411	A	#4 ACSR	7.39Y	123.1	0.00	1.87	1.53	1	11	3	96	0.00	0.0	2.334	0.001	0	0	0	1
PD.5145	PL.36388	A	75QA	7.39Y	123.1	0.00	1.87	1.53	2	11	3	96	0.00	0.0	2.334	0.001	0	0	0	1
PL.36389	PD.5145	A	#4 ACSR	7.39Y	123.1	0.00	1.87	1.53	1	11	3	96	0.00	0.0	2.388	0.054	11	3	1	1
PL.36306	PL.34440	ABC	336 MCM AC	7.39Y	123.2	0.00	1.79	3.32	1	72	17	97	0.00	0.0	2.175	0.098	1	0	2	14
PL.36307	PL.36306	ABC	336 MCM AC	7.39Y	123.2	0.00	1.79	3.17	1	68	16	97	0.00	0.0	2.245	0.071	0	0	0	10
PL.34246	PL.36307	C	#4 ACSR	7.39Y	123.2	0.00	1.79	9.50	7	68	16	97	0.00	0.0	2.249	0.004	0	0	0	10
PD.5752	PL.34246	C	25T	7.39Y	123.2	0.00	1.79	9.50	0	68	16	97	0.00	0.0	2.249	0.004	0	0	0	10
PL.34732	PD.5752	C	#4 ACSR	7.39Y	123.2	0.06	1.85	9.50	7	68	16	97	0.03	0.0	2.382	0.133	0	0	0	10
PL.36677	PL.34732	C	#4 ACSR	7.38Y	123.0	0.13	1.98	9.50	7	68	16	97	0.07	0.1	2.700	0.317	0	0	0	10
PL.36678	PL.36677	C	#4 ACSR	7.38Y	123.0	0.03	2.01	8.35	6	60	14	97	0.01	0.0	2.794	0.095	12	3	1	9
PL.36620	PL.36678	C	#4 ACSR	7.38Y	123.0	0.04	2.05	6.75	5	49	11	98	0.01	0.0	2.925	0.131	9	2	2	8
PL.36621	PL.36620	C	#4 ACSR	7.38Y	122.9	0.01	2.05	5.45	4	39	9	97	0.00	0.0	2.951	0.026	1	0	1	6
PL.36622	PL.36621	C	#4 ACSR	7.37Y	122.9	0.03	2.09	5.37	4	39	9	97	0.01	0.0	3.089	0.138	3	1	2	5
PL.36772	PL.36622	C	#4 ACSR	7.37Y	122.9	0.01	2.10	4.90	4	35	8	97	0.00	0.0	3.149	0.060	10	2	1	3
PL.36279	PL.36772	C	#4 ACSR	7.37Y	122.9	0.01	2.10	3.46	3	25	6	97	0.00	0.0	3.204	0.056	10	2	1	2
PL.36280	PL.36279	C	#4 ACSR	7.37Y	122.9	0.00	2.11	2.09	2	15	3	98	0.00	0.0	3.247	0.042	0	0	0	1
PL.36281	PL.36280	C	1/0 AL URD	7.37Y	122.9	0.00	2.11	2.09	1	15	3	98	0.00	0.0	3.247	0.000	0	0	0	1
PD.5162	PL.36281	C	75QA	7.37Y	122.9	0.00	2.11	2.09	3	15	3	98	0.00	0.0	3.247	0.000	0	0	0	1
PL.36282	PD.5162	C	1/0 AL URD	7.37Y	122.9	0.00	2.11	2.09	1	15	3	98	0.00	0.0	3.268	0.021	15	4	1	1
PL.34448	PL.36677	C	#4 ACSR	7.38Y	123.0	0.00	1.99	1.15	1	8	2	97	0.00	0.0	2.856	0.156	8	2	1	1
PL.35203	PL.34732	C	#4 ACSR	7.39Y	123.2	0.00	1.85	0.00	0	0	0	100	0.00	0.0	2.494	0.111	0	0	0	0
PL.36308	PL.36306	A	#4 ACSR	7.39Y	123.2	0.00	1.79	0.29	0	2	0	100	0.00	0.0	2.177	0.003	0	0	0	2
PD.5161	PL.36308	A	75QA	7.39Y	123.2	0.00	1.79	0.29	0	2	0	100	0.00	0.0	2.177	0.003	0	0	0	2

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.36309	PD.5161	A	#4 ACSR	7.39Y	123.2	0.00	1.79	0.29	0	2	0	100	0.00	0.0	2.367	0.190	2	0	2	2
PL.36353	PL.35339	A	6 A (CWC)	7.40Y	123.3	0.00	1.73	0.00	0	0	0	100	0.00	0.0	1.895	0.001	0	0	0	0
PD.5750	PL.36353	A	75QA	7.40Y	123.3	0.00	1.73	0.00	0	0	0	100	0.00	0.0	1.895	0.001	0	0	0	0
PL.36354	PD.5750	A	6 A (CWC)	7.40Y	123.3	0.00	1.73	0.00	0	0	0	100	0.00	0.0	1.939	0.044	0	0	0	0
PL.62678	PL.62544	C	#1/0 ACSR	7.40Y	123.4	0.00	1.61	1.35	1	10	2	98	0.00	0.0	1.574	0.015	0	0	0	2
PL.62677	PL.62678	C	1/0 AL URD	7.40Y	123.4	0.00	1.61	1.36	1	10	2	98	0.00	0.0	1.585	0.011	10	2	2	2
PL.62679	PL.62678	C	1/0 AL URD	7.40Y	123.4	-0.00	1.61	-0.02	0	0	0	100	0.00	0.0	1.609	0.035	0	0	0	0
PL.34036	PL.35766	C	6 A (CWC)	7.41Y	123.5	0.00	1.49	2.30	2	17	4	97	0.00	0.0	1.362	0.060	17	4	2	2
PL.36181	PL.35766	C	6 A (CWC)	7.41Y	123.5	0.00	1.49	2.09	1	15	4	97	0.00	0.0	1.304	0.002	0	0	0	2
PD.5196	PL.36181	C	75QA	7.41Y	123.5	0.00	1.49	2.09	3	15	4	97	0.00	0.0	1.304	0.002	0	0	0	2
PL.36182	PD.5196	C	6 A (CWC)	7.41Y	123.5	0.00	1.49	2.09	1	15	4	97	0.00	0.0	1.385	0.081	15	4	2	2
PL.34068	PL.35766	A	1/0 AL URD	7.41Y	123.5	0.01	1.49	3.41	2	25	5	98	0.00	0.0	1.406	0.104	25	6	1	1
PL.58762	PL.58743	ABC	336 MCM AC	7.42Y	123.7	0.35	1.33	238.68	46	5031	1755	94	8.91	0.2	0.575	0.186	0	0	0	532
PL.58763	PL.58762	A	6 A (CWC)	7.42Y	123.7	0.00	1.33	2.21	2	16	4	97	0.00	0.0	0.576	0.001	0	0	0	3
PD.8732	PL.58763	A	12T	7.42Y	123.7	0.00	1.33	2.21	0	16	4	97	0.00	0.0	0.576	0.001	0	0	0	3
PL.58764	PD.8732	A	6 A (CWC)	7.42Y	123.7	0.01	1.34	2.21	2	16	4	97	0.00	0.0	0.652	0.076	6	1	1	3
PL.59909	PL.58764	A	6 A (CWC)	7.42Y	123.7	0.00	1.34	1.33	1	10	2	98	0.00	0.0	0.701	0.048	10	2	2	2
PL.63875	PL.58762	A	#4 ACSR	7.42Y	123.7	0.00	1.33	2.91	2	21	5	97	0.00	0.0	0.577	0.001	0	0	0	4
PD.9494	PL.63875	A	75QA	7.42Y	123.7	0.00	1.33	2.91	4	21	5	97	0.00	0.0	0.577	0.001	0	0	0	4
PL.64267	PD.9494	A	#4 ACSR	7.42Y	123.7	0.00	1.33	2.91	2	21	5	97	0.00	0.0	0.607	0.030	9	2	1	4
PL.64266	PL.64267	A	#4 ACSR	7.42Y	123.7	0.00	1.34	1.61	1	12	3	97	0.00	0.0	0.675	0.068	0	0	0	3
PL.64048	PL.64266	A	#4 ACSR	7.42Y	123.7	0.00	1.34	1.07	1	8	2	97	0.00	0.0	0.686	0.011	8	2	1	1
PL.64049	PL.64266	A	#4 ACSR	7.42Y	123.7	0.00	1.34	0.54	0	4	1	97	0.00	0.0	0.729	0.054	4	1	2	2
PL.64046	PL.58762	ABC	336 MCM AC	7.42Y	123.7	0.00	1.34	236.98	46	4985	1726	94	0.12	0.0	0.578	0.002	0	0	0	525
PL.64047	PL.64046	ABC	336 MCM AC	7.40Y	123.3	0.35	1.69	236.98	46	4985	1726	94	8.84	0.2	0.765	0.187	4	1	1	525
PL.36702	PL.64047	ABC	336 MCM AC	7.39Y	123.1	0.19	1.88	236.79	46	4972	1704	95	4.80	0.1	0.867	0.102	0	0	0	524
PL.36705	PL.36702	ABC	336 MCM AC	7.36Y	122.7	0.38	2.26	229.08	44	4800	1654	95	9.28	0.2	1.076	0.210	0	0	0	488
PL.52723	PL.36705	ABC	336 MCM AC	7.32Y	122.0	0.77	3.03	228.18	44	4771	1627	95	18.60	0.4	1.500	0.424	0	0	0	487
PL.52724	PL.52723	ABC	336 MCM AC	7.30Y	121.6	0.34	3.37	228.18	44	4753	1584	95	8.21	0.2	1.688	0.187	7	2	1	487
PL.33866	PL.52724	ABC	#3/0 ACSR	7.28Y	121.4	0.24	3.61	211.42	70	4388	1474	95	6.42	0.1	1.774	0.086	17	4	3	432
PL.52174	PL.33866	ABC	#3/0 ACSR	7.26Y	121.0	0.34	3.95	210.63	70	4364	1461	95	9.25	0.2	1.898	0.124	9	2	1	429

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.52175	PL.52174	ABC	#3/0 ACSR	7.25Y	120.9	0.16	4.11	209.42	70	4329	1441	95	4.29	0.1	1.956	0.058	18	4	3	425
PL.52173	PL.52175	ABC	#3/0 ACSR	7.25Y	120.9	0.04	4.15	208.56	70	4307	1431	95	0.94	0.0	1.969	0.013	5	1	1	422
PL.33966	PL.52173	ABC	#3/0 ACSR	7.24Y	120.7	0.20	4.34	204.40	68	4217	1409	95	5.15	0.1	2.043	0.073	0	0	0	410
PL.34124	PL.33966	ABC	#3/0 ACSR	7.24Y	120.6	0.02	4.36	202.51	68	4172	1392	95	0.52	0.0	2.050	0.008	16	8	1	405
PL.34125	PL.34124	ABC	#3/0 ACSR	7.23Y	120.6	0.08	4.45	201.70	67	4156	1383	95	2.13	0.1	2.081	0.031	0	0	0	404
PL.33840	PL.34125	A	#4 ACSR	7.23Y	120.6	0.00	4.45	1.59	1	11	3	96	0.00	0.0	2.083	0.002	0	0	0	1
PD.5028	PL.33840	A	75QA	7.23Y	120.6	0.00	4.45	1.59	2	11	3	96	0.00	0.0	2.083	0.002	0	0	0	1
PL.33841	PD.5028	A	#4 ACSR	7.23Y	120.6	0.00	4.45	1.59	1	11	3	96	0.00	0.0	2.180	0.098	11	3	1	1
PL.36603	PL.34125	C	#4 ACSR	7.23Y	120.5	0.01	4.45	4.41	3	31	7	98	0.00	0.0	2.123	0.042	14	3	1	3
PL.36604	PL.36603	C	#4 ACSR	7.23Y	120.5	0.00	4.45	2.46	2	17	4	97	0.00	0.0	2.158	0.035	17	4	2	2
PL.33967	PL.34125	ABC	#3/0 ACSR	7.23Y	120.5	0.09	4.54	199.71	67	4111	1371	95	2.29	0.1	2.116	0.034	0	0	4	400
PL.35760	PL.33967	ABC	#3/0 ACSR	7.22Y	120.4	0.11	4.64	199.71	67	4109	1367	95	2.71	0.1	2.156	0.040	0	0	0	396
PL.35756	PL.35760	ABC	#3/0 ACSR	7.21Y	120.2	0.14	4.78	198.03	66	4071	1355	95	3.48	0.1	2.209	0.053	1	0	1	389
PL.33441	PL.35756	ABC	#3/0 ACSR	7.21Y	120.2	0.06	4.84	197.96	66	4066	1350	95	1.51	0.0	2.232	0.024	112	54	1	388
PL.35267	PL.33441	ABC	#3/0 ACSR	7.21Y	120.1	0.04	4.88	192.28	64	3953	1293	95	1.03	0.0	2.249	0.017	0	0	0	387
PL.35758	PL.35267	ABC	#3/0 ACSR	7.19Y	119.9	0.23	5.12	192.28	64	3952	1292	95	5.80	0.1	2.342	0.093	0	0	0	387
PL.35759	PL.35758	ABC	#3/0 ACSR	7.18Y	119.6	0.25	5.37	190.80	64	3914	1276	95	6.18	0.2	2.443	0.101	0	0	0	383
PL.52170	PL.35759	ABC	#3/0 ACSR	7.17Y	119.5	0.09	5.46	189.31	63	3877	1260	95	2.24	0.1	2.481	0.037	0	0	1	379
PL.52171	PL.52170	B	#4 ACSR	7.17Y	119.5	0.00	5.46	1.65	1	12	3	97	0.00	0.0	2.481	0.001	0	0	0	1
PD.8032	PL.52171	B	25T	7.17Y	119.5	0.00	5.46	1.65	0	12	3	97	0.00	0.0	2.481	0.001	0	0	0	1
PL.52602	PD.8032	B	#4 ACSR	7.17Y	119.5	0.00	5.46	1.65	1	12	3	97	0.00	0.0	2.501	0.020	12	3	1	1
PL.54094	PL.52170	ABC	#3/0 ACSR	7.16Y	119.4	0.17	5.63	188.76	63	3863	1254	95	4.16	0.1	2.550	0.070	25	6	2	377
PL.57686	PL.54094	ABC	#3/0 ACSR	7.15Y	119.2	0.19	5.82	184.47	61	3769	1227	95	4.45	0.1	2.628	0.078	5	1	5	367
PL.57638	PL.57686	ABC	#3/0 ACSR	7.14Y	119.0	0.16	5.97	182.46	61	3722	1211	95	3.65	0.1	2.694	0.065	0	0	0	359
PL.34617	PL.57638	ABC	#3/0 ACSR	7.13Y	118.9	0.17	6.15	180.67	60	3681	1197	95	3.97	0.1	2.766	0.072	0	0	0	355
PL.36217	PL.34617	A	6 A (CWC)	7.13Y	118.9	0.00	6.15	2.53	2	18	4	98	0.00	0.0	2.767	0.001	0	0	0	2
PD.5758	PL.36217	A	75QA	7.13Y	118.9	0.00	6.15	2.53	3	18	4	98	0.00	0.0	2.767	0.001	0	0	0	2
PL.36218	PD.5758	A	6 A (CWC)	7.13Y	118.9	0.00	6.15	2.53	2	18	4	98	0.00	0.0	2.802	0.035	18	4	2	2
PL.36214	PL.34617	ABC	#3/0 ACSR	7.12Y	118.6	0.22	6.37	179.60	60	3655	1186	95	5.15	0.1	2.861	0.095	0	0	0	352
PL.35100	PL.36214	C	6 A (CWC)	7.12Y	118.6	0.00	6.37	8.64	6	60	14	97	0.00	0.0	2.862	0.001	0	0	0	6
PD.5698	PL.35100	C	75QA	7.12Y	118.6	0.00	6.37	8.64	12	60	14	97	0.00	0.0	2.862	0.001	0	0	0	6

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PL.35101	PD.5698	C	6 A (CWC)	7.12Y	118.6	0.01	6.38	8.64	6	60	14	97	0.00	0.0	2.892	0.030	32	7	3	6	
PL.35238	PL.35101	C	#2 ACSR	7.12Y	118.6	0.00	6.38	1.36	1	9	2	98	0.00	0.0	2.919	0.027	9	2	1	1	
PL.35097	PL.35101	C	6 A (CWC)	7.12Y	118.6	0.01	6.38	2.69	2	19	4	98	0.00	0.0	2.957	0.065	0	0	0	2	
PL.35532	PL.35097	C	6 A (CWC)	7.12Y	118.6	0.01	6.39	2.69	2	19	4	98	0.00	0.0	3.056	0.099	9	2	1	2	
PL.36445	PL.35532	C	6 A (CWC)	7.12Y	118.6	0.00	6.40	1.37	1	9	2	98	0.00	0.0	3.134	0.078	9	2	1	1	
PL.56298	PL.36214	ABC	#3/0 ACSR	7.11Y	118.5	0.13	6.50	176.73	59	3590	1164	95	2.97	0.1	2.918	0.057	8	2	1	346	
PL.56299	PL.56298	ABC	#3/0 ACSR	7.11Y	118.5	0.01	6.51	176.33	59	3578	1158	95	0.23	0.0	2.922	0.004	0	0	0	345	
RG.38	PL.56299	ABC	250kva	7.48Y	124.7	-6.24	0.27	176.33	54	3578	1158	95	percent Boost= 5.00			Tap= 8.0				345	
PL.36676	RG.38	ABC	#3/0 ACSR	7.48Y	124.6	0.09	0.36	167.51	56	3578	1158	95	1.99	0.1	2.964	0.042	0	0	0	345	
PL.34552	PL.36676	ABC	#3/0 ACSR	7.47Y	124.6	0.08	0.45	165.43	55	3534	1134	95	1.78	0.1	3.003	0.039	0	0	0	344	
PL.35261	PL.34552	B	#2 ACSR	7.47Y	124.6	0.00	0.45	1.40	1	10	2	98	0.00	0.0	3.004	0.001	0	0	0	2	
PD.5150	PL.35261	B	40QA	7.47Y	124.6	0.00	0.45	1.40	4	10	2	98	0.00	0.0	3.004	0.001	0	0	0	2	
PL.34554	PD.5150	B	#2 ACSR	7.47Y	124.6	0.00	0.45	1.40	1	10	2	98	0.00	0.0	3.053	0.048	10	2	2	2	
PL.34553	PL.34552	ABC	#3/0 ACSR	7.47Y	124.5	0.07	0.52	164.97	55	3522	1129	95	1.51	0.0	3.036	0.033	0	0	0	342	
PL.35164	PL.34553	ABC	#3/0 ACSR	7.47Y	124.5	0.00	0.52	164.97	55	3520	1127	95	0.01	0.0	3.037	0.000	0	0	0	342	
PL.52167	PL.35164	ABC	#3/0 ACSR	7.47Y	124.4	0.05	0.57	164.97	55	3520	1127	95	1.07	0.0	3.060	0.023	0	0	0	342	
PL.52166	PL.52167	ABC	#3/0 ACSR	7.46Y	124.3	0.10	0.67	164.56	55	3510	1123	95	2.22	0.1	3.109	0.049	10	2	2	341	
PL.33367	PL.52166	ABC	#1/0 ACSR	7.46Y	124.3	0.03	0.70	84.64	37	1768	679	93	0.30	0.0	3.125	0.016	0	0	0	112	
PL.36138	PL.33367	ABC	#1/0 ACSR	7.46Y	124.3	0.00	0.70	84.64	37	1768	678	93	0.02	0.0	3.126	0.001	0	0	0	112	
C PD.5781	PL.36138	ABC	50L	7.46Y	124.3	0.00	0.70	84.64	169	1768	678	93	0.00	0.0	3.126	0.001	0	0	0	112	C
PL.54950	PD.5781	ABC	#1/0 ACSR	7.45Y	124.2	0.05	0.76	84.64	37	1768	678	93	0.64	0.0	3.159	0.034	12	3	1	112	
PL.54951	PL.54950	ABC	#1/0 ACSR	7.45Y	124.1	0.10	0.85	84.10	37	1756	675	93	1.15	0.1	3.220	0.061	0	0	0	111	
PL.35219	PL.54951	A	#4 ACSR	7.45Y	124.1	0.00	0.85	0.00	0	0	0	100	0.00	0.0	3.325	0.104	0	0	0	0	
PL.33597	PL.54951	A	6 A (CWC)	7.45Y	124.1	0.00	0.85	1.30	1	9	2	98	0.00	0.0	3.221	0.001	0	0	0	1	
PD.5151	PL.33597	A	40QA	7.45Y	124.1	0.00	0.85	1.30	3	9	2	98	0.00	0.0	3.221	0.001	0	0	0	1	
PL.33598	PD.5151	A	6 A (CWC)	7.45Y	124.1	0.00	0.85	1.30	1	9	2	98	0.00	0.0	3.257	0.036	9	2	1	1	
PL.36090	PL.54951	ABC	#1/0 ACSR	7.45Y	124.1	0.05	0.90	83.67	36	1745	672	93	0.54	0.0	3.250	0.029	0	0	0	110	
PL.52700	PL.36090	ABC	#1/0 ACSR	7.44Y	124.0	0.06	0.95	83.67	36	1744	671	93	0.66	0.0	3.285	0.035	0	0	0	110	
PL.52701	PL.52700	A	#4 ACSR	7.44Y	124.0	0.01	0.96	2.18	2	16	4	97	0.00	0.0	3.391	0.106	16	4	1	1	
PL.52703	PL.52700	C	#4 ACSR	7.44Y	124.0	0.00	0.95	1.63	1	12	3	97	0.00	0.0	3.286	0.001	0	0	0	1	
PD.5251	PL.52703	C	40QA	7.44Y	124.0	0.00	0.95	1.63	4	12	3	97	0.00	0.0	3.286	0.001	0	0	0	1	

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.36091	PD.5251	C	#4 ACSR	7.44Y	124.0	0.00	0.96	1.63	1	12	3	97	0.00	0.0	3.314	0.028	0	0	0	1
PL.35375	PL.36091	C	#4 ACSR	7.44Y	124.0	0.00	0.96	0.00	0	0	0	100	0.00	0.0	3.465	0.151	0	0	0	0
PL.54952	PL.36091	C	#4 ACSR	7.44Y	124.0	0.00	0.96	1.63	1	12	3	97	0.00	0.0	3.360	0.046	12	3	1	1
PL.52704	PL.52700	A	#4 ACSR	7.44Y	124.0	0.00	0.95	1.31	1	10	2	98	0.00	0.0	3.286	0.001	0	0	0	1
PD.5729	PL.52704	A	40QA	7.44Y	124.0	0.00	0.95	1.31	3	10	2	98	0.00	0.0	3.286	0.001	0	0	0	1
PL.36561	PD.5729	A	#4 ACSR	7.44Y	124.0	0.00	0.96	1.31	1	10	2	98	0.00	0.0	3.394	0.108	10	2	1	1
PL.52702	PL.52700	ABC	#1/0 ACSR	7.44Y	124.0	0.09	1.04	81.98	36	1707	662	93	1.04	0.1	3.343	0.058	3	1	1	107
PL.36464	PL.52702	ABC	#1/0 ACSR	7.43Y	123.9	0.08	1.12	81.83	36	1702	660	93	0.88	0.1	3.392	0.050	8	2	1	106
PL.36610	PL.36464	ABC	#1/0 ACSR	7.43Y	123.8	0.06	1.18	81.48	35	1694	657	93	0.72	0.0	3.434	0.041	8	2	1	105
PL.63876	PL.36610	ABC	#1/0 ACSR	7.43Y	123.8	0.00	1.18	81.12	35	1685	655	93	0.00	0.0	3.434	0.000	0	0	0	104
PL.63877	PL.63876	ABC	#1/0 ACSR	7.42Y	123.7	0.14	1.32	81.12	35	1685	655	93	1.57	0.1	3.524	0.090	10	2	2	104
PL.35213	PL.63877	ABC	#1/0 ACSR	7.41Y	123.6	0.13	1.45	79.76	35	1654	646	93	1.40	0.1	3.607	0.084	21	5	2	100
PL.33224	PL.35213	ABC	#1/0 ACSR	7.40Y	123.4	0.16	1.61	78.17	34	1618	637	93	1.76	0.1	3.715	0.108	0	0	0	95
PL.35377	PL.33224	C	#4 ACSR	7.40Y	123.4	0.00	1.61	0.97	1	7	2	96	0.00	0.0	3.716	0.001	0	0	0	1
PD.5771	PL.35377	C	40QA	7.40Y	123.4	0.00	1.61	0.97	2	7	2	96	0.00	0.0	3.716	0.001	0	0	0	1
PL.35378	PD.5771	C	#4 ACSR	7.40Y	123.4	0.00	1.61	0.97	1	7	2	96	0.00	0.0	3.774	0.058	7	2	1	1
PL.36710	PL.33224	ABC	#1/0 ACSR	7.39Y	123.2	0.17	1.77	77.24	34	1595	631	93	1.80	0.1	3.829	0.113	0	0	0	93
PL.36711	PL.36710	ABC	#1/0 ACSR	7.39Y	123.2	0.04	1.82	77.24	34	1594	629	93	0.48	0.0	3.859	0.030	0	0	0	93
PL.35284	PL.36711	ABC	#1/0 ACSR	7.39Y	123.1	0.06	1.87	76.84	33	1584	626	93	0.61	0.0	3.898	0.039	10	2	1	91
PL.62426	PL.35284	ABC	#1/0 ACSR	7.38Y	123.0	0.09	1.97	71.15	31	1454	611	92	0.91	0.1	3.966	0.068	15	4	2	74
PL.62425	PL.62426	ABC	#1/0 ACSR	7.38Y	122.9	0.11	2.08	69.91	30	1426	604	92	1.07	0.1	4.048	0.082	0	0	0	71
PL.57604	PL.62425	ABC	#1/0 ACSR	7.37Y	122.9	0.06	2.13	69.42	30	1414	601	92	0.54	0.0	4.090	0.042	0	0	0	70
PL.57605	PL.57604	ABC	#1/0 ACSR	7.37Y	122.8	0.04	2.17	69.43	30	1413	601	92	0.40	0.0	4.122	0.031	0	0	0	70
PL.57908	PL.57605	ABC	#1/0 ACSR	7.37Y	122.8	0.03	2.20	34.46	15	715	263	94	0.15	0.0	4.168	0.046	0	0	0	68
PL.57909	PL.57908	ABC	#1/0 ACSR	7.37Y	122.8	0.03	2.24	34.46	15	715	262	94	0.15	0.0	4.216	0.048	9	2	1	68
PL.35030	PL.57909	ABC	#1/0 ACSR	7.36Y	122.7	0.04	2.27	32.76	14	678	254	94	0.17	0.0	4.275	0.059	0	0	0	63
PL.58398	PL.35030	C	#4 ACSR	7.36Y	122.7	0.00	2.27	22.74	17	163	38	97	0.00	0.0	4.278	0.003	0	0	0	30
PD.8577	PL.58398	C	25T	7.36Y	122.7	0.00	2.27	22.74	0	163	38	97	0.00	0.0	4.278	0.003	0	0	0	30
PL.58399	PD.8577	C	#4 ACSR	7.35Y	122.6	0.15	2.42	22.74	17	163	38	97	0.18	0.1	4.425	0.148	0	0	0	30
PL.58397	PL.58399	C	#4 ACSR	7.35Y	122.6	0.02	2.44	12.84	10	92	21	97	0.01	0.0	4.454	0.028	7	2	1	18
PL.35289	PL.58397	C	#4 ACSR	7.35Y	122.5	0.03	2.47	11.92	9	85	20	97	0.02	0.0	4.508	0.054	2	1	1	17

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.33896	PL.35289	C	#4 ACSR	7.35Y	122.5	0.06	2.52	11.59	9	83	19	97	0.04	0.0	4.619	0.111	0	0	0	16
PL.34444	PL.33896	C	#4 ACSR	7.35Y	122.5	0.01	2.53	3.04	2	22	5	98	0.00	0.0	4.701	0.082	0	0	0	4
PL.36377	PL.34444	C	#4 ACSR	7.35Y	122.5	0.00	2.54	1.32	1	9	2	98	0.00	0.0	4.754	0.053	0	0	0	2
PL.36378	PL.36377	C	#4 ACSR	7.35Y	122.5	0.01	2.54	1.32	1	9	2	98	0.00	0.0	4.891	0.137	6	1	1	2
PL.62682	PL.36378	C	#1/0 ACSR	7.35Y	122.5	0.00	2.54	0.46	0	3	1	95	0.00	0.0	4.921	0.029	0	0	0	1
PL.62683	PL.62682	C	1/0 AL URD	7.35Y	122.5	0.00	2.54	0.46	0	3	1	95	0.00	0.0	4.965	0.045	3	1	1	1
PL.35663	PL.34444	C	#4 ACSR	7.35Y	122.5	0.00	2.54	1.72	1	12	3	97	0.00	0.0	4.739	0.037	12	3	2	2
PL.34735	PL.33896	C	#4 ACSR	7.35Y	122.5	0.02	2.54	8.55	7	61	14	97	0.01	0.0	4.670	0.051	1	0	1	12
PL.36375	PL.34735	C	#4 ACSR	7.35Y	122.4	0.02	2.56	8.39	6	60	14	97	0.01	0.0	4.732	0.062	6	2	1	11
PL.36376	PL.36375	C	#4 ACSR	7.35Y	122.4	0.01	2.58	7.49	6	54	12	98	0.01	0.0	4.781	0.049	15	4	2	10
PL.33673	PL.36376	C	#4 ACSR	7.35Y	122.4	0.00	2.58	0.17	0	1	0	100	0.00	0.0	4.813	0.032	1	0	1	1
PL.59124	PL.36376	C	#4 ACSR	7.34Y	122.4	0.01	2.59	5.20	4	37	9	97	0.00	0.0	4.834	0.053	13	3	5	7
PL.59123	PL.59124	C	#4 ACSR	7.34Y	122.4	0.00	2.59	3.36	3	24	6	97	0.00	0.0	4.892	0.058	24	6	2	2
PL.35886	PL.59123	C	#4 ACSR	7.34Y	122.4	0.00	2.59	0.00	0	0	0	100	0.00	0.0	4.935	0.043	0	0	0	0
PL.58396	PL.58399	C	#4 ACSR	7.35Y	122.5	0.03	2.46	9.90	8	71	17	97	0.02	0.0	4.503	0.078	3	1	2	12
PL.34584	PL.58396	C	#4 ACSR	7.35Y	122.5	0.01	2.46	4.83	4	35	8	97	0.00	0.0	4.531	0.028	5	1	1	6
PL.35304	PL.34584	C	#4 ACSR	7.35Y	122.5	0.00	2.46	2.38	2	17	4	97	0.00	0.0	4.580	0.049	13	3	2	3
PL.33342	PL.35304	C	#4 ACSR	7.35Y	122.5	0.00	2.47	0.59	0	4	1	97	0.00	0.0	4.608	0.028	4	1	1	1
PL.35205	PL.34584	C	#4 ACSR	7.35Y	122.5	0.00	2.46	1.80	1	13	3	97	0.00	0.0	4.597	0.065	13	3	2	2
PL.34992	PL.58396	C	#4 ACSR	7.35Y	122.5	0.01	2.47	4.63	4	33	8	97	0.00	0.0	4.588	0.084	26	6	2	4
PL.34993	PL.34992	C	#4 ACSR	7.35Y	122.5	0.00	2.47	1.02	1	7	2	96	0.00	0.0	4.627	0.039	7	2	2	2
PL.33900	PL.35030	ABC	#4 ACSR	7.36Y	122.6	0.11	2.38	24.54	19	499	212	92	0.44	0.1	4.389	0.114	0	0	0	32
PL.34273	PL.33900	ABC	#4 ACSR	7.36Y	122.6	0.04	2.41	23.15	18	468	205	92	0.14	0.0	4.430	0.041	0	0	0	24
PL.58429	PL.34273	A	#4 ACSR	7.36Y	122.6	0.00	2.42	12.17	9	87	20	97	0.00	0.0	4.432	0.003	0	0	0	23
PD.8588	PL.58429	A	30T	7.36Y	122.6	0.00	2.42	12.17	0	87	20	97	0.00	0.0	4.432	0.003	0	0	0	23
PL.58430	PD.8588	A	#4 ACSR	7.35Y	122.5	0.05	2.46	12.17	9	87	20	97	0.03	0.0	4.520	0.088	1	0	2	23
PL.58428	PL.58430	A	#4 ACSR	7.35Y	122.5	0.04	2.50	11.97	9	86	20	97	0.02	0.0	4.591	0.071	0	0	1	21
PL.36058	PL.58428	A	#4 ACSR	7.35Y	122.5	0.04	2.53	11.97	9	86	20	97	0.02	0.0	4.657	0.066	0	0	1	20
PL.36057	PL.36058	A	#4 ACSR	7.35Y	122.5	0.01	2.55	11.97	9	86	20	97	0.01	0.0	4.682	0.025	0	0	0	19
PL.35600	PL.36057	A	#4 ACSR	7.35Y	122.4	0.02	2.57	3.60	3	26	6	97	0.00	0.0	4.872	0.190	18	4	1	2
PL.35601	PL.35600	A	#4 ACSR	7.35Y	122.4	0.00	2.57	1.07	1	8	2	97	0.00	0.0	4.909	0.038	8	2	1	1

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.63873	PL.36057	A	#4 ACSR	7.35Y	122.4	0.03	2.58	8.36	6	60	14	97	0.01	0.0	4.765	0.083	1	0	1	17
PL.63874	PL.63873	A	#4 ACSR	7.35Y	122.4	0.00	2.58	8.18	6	58	14	97	0.00	0.0	4.765	0.000	0	0	0	16
PL.63872	PL.63874	A	#4 ACSR	7.35Y	122.4	0.00	2.58	8.18	6	58	14	97	0.00	0.0	4.765	0.000	0	0	0	16
PD.5203	PL.63872	A	40QA	7.35Y	122.4	0.00	2.58	8.18	20	58	14	97	0.00	0.0	4.765	0.000	0	0	0	16
PL.36059	PD.5203	A	#4 ACSR	7.34Y	122.4	0.02	2.59	8.18	6	58	14	97	0.01	0.0	4.807	0.042	0	0	0	16
PL.36056	PL.36059	A	#4 ACSR	7.34Y	122.4	0.02	2.61	7.94	6	57	13	97	0.01	0.0	4.858	0.052	0	0	0	15
PL.33558	PL.36056	A	#4 ACSR	7.34Y	122.4	0.01	2.62	1.38	1	10	2	98	0.00	0.0	5.055	0.197	10	2	1	1
PL.34511	PL.36056	A	#4 ACSR	7.34Y	122.4	0.02	2.63	6.56	5	47	11	97	0.01	0.0	4.920	0.061	6	2	2	14
PL.34512	PL.34511	A	#4 ACSR	7.34Y	122.4	0.01	2.64	5.65	4	40	9	98	0.00	0.0	4.969	0.050	4	1	2	12
PL.34513	PL.34512	A	#4 ACSR	7.34Y	122.4	0.01	2.65	5.13	4	37	9	97	0.00	0.0	5.032	0.063	18	4	4	10
PL.35603	PL.34513	A	#4 ACSR	7.34Y	122.3	0.01	2.66	2.68	2	19	4	98	0.00	0.0	5.117	0.085	13	3	4	6
PL.36200	PL.35603	A	#4 ACSR	7.34Y	122.3	0.00	2.66	0.87	1	6	1	99	0.00	0.0	5.150	0.032	4	1	1	2
PL.36203	PL.36200	A	#4 ACSR	7.34Y	122.3	0.00	2.66	0.30	0	2	0	100	0.00	0.0	5.189	0.040	2	0	1	1
PL.33710	PL.36059	A	#4 ACSR	7.34Y	122.4	0.00	2.59	0.24	0	2	0	100	0.00	0.0	4.852	0.045	2	0	1	1
PL.34803	PL.34273	ABC	#1/0 ACSR	7.35Y	122.6	0.02	2.44	19.18	8	381	184	90	0.06	0.0	4.488	0.059	0	0	0	1
PL.34983	PL.34803	ABC	#1/0 ACSR	7.35Y	122.6	0.00	2.44	0.00	0	0	0	100	0.00	0.0	4.491	0.003	0	0	0	0
PL.34847	PL.34803	ABC	#1/0 ACSR	7.35Y	122.6	0.00	2.44	19.18	8	381	184	90	0.01	0.0	4.496	0.008	0	0	0	1
PL.34467	PL.34847	ABC	2 AL URD	7.35Y	122.6	0.00	2.44	19.18	11	381	184	90	0.00	0.0	4.503	0.008	381	184	1	1
PL.35587	PL.33900	B	#4 ACSR	7.36Y	122.6	0.00	2.38	0.13	0	1	0	100	0.00	0.0	4.390	0.002	0	0	0	1
PD.5775	PL.35587	B	40QA	7.36Y	122.6	0.00	2.38	0.13	0	1	0	100	0.00	0.0	4.390	0.002	0	0	0	1
PL.35590	PD.5775	B	#4 ACSR	7.36Y	122.6	0.00	2.38	0.13	0	1	0	100	0.00	0.0	4.405	0.014	1	0	1	1
PL.35280	PL.33900	B	#4 ACSR	7.36Y	122.6	0.00	2.38	4.09	3	29	7	97	0.00	0.0	4.391	0.002	0	0	0	7
PD.5118	PL.35280	B	40QA	7.36Y	122.6	0.00	2.38	4.09	10	29	7	97	0.00	0.0	4.391	0.002	0	0	0	7
PL.36103	PD.5118	B	#4 ACSR	7.36Y	122.6	0.01	2.39	4.09	3	29	7	97	0.00	0.0	4.469	0.078	8	2	1	7
PL.35305	PL.36103	B	#4 ACSR	7.36Y	122.6	0.00	2.39	2.94	2	21	5	97	0.00	0.0	4.496	0.027	6	1	2	6
PL.35306	PL.35305	B	#4 ACSR	7.36Y	122.6	0.00	2.40	2.05	2	15	3	98	0.00	0.0	4.546	0.049	10	2	1	4
PL.33340	PL.35306	B	#4 ACSR	7.36Y	122.6	0.00	2.40	0.62	0	4	1	97	0.00	0.0	4.570	0.024	0	0	1	3
PL.33341	PL.33340	B	#4 ACSR	7.36Y	122.6	0.00	2.40	0.62	0	4	1	97	0.00	0.0	4.627	0.057	4	1	1	2
PL.35884	PL.33341	B	#4 ACSR	7.36Y	122.6	0.00	2.40	0.02	0	0	0	100	0.00	0.0	4.657	0.030	0	0	0	1
PL.35885	PL.35884	B	#4 ACSR	7.36Y	122.6	0.00	2.40	0.02	0	0	0	100	0.00	0.0	4.676	0.019	0	0	1	1
PL.36484	PL.35030	C	#4 ACSR	7.36Y	122.7	0.00	2.27	2.21	2	16	4	97	0.00	0.0	4.276	0.001	0	0	0	1

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

Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.5252	PL.36484	C	40QA	7.36Y	122.7	0.00	2.27	2.21	6	16	4	97	0.00	0.0	4.276	0.001	0	0	0	1
PL.36485	PD.5252	C	#4 ACSR	7.36Y	122.7	0.00	2.27	2.21	2	16	4	97	0.00	0.0	4.309	0.033	16	4	1	1
PL.35602	PL.36485	C	#4 ACSR	7.36Y	122.7	0.00	2.27	0.00	0	0	0	100	0.00	0.0	4.354	0.045	0	0	0	0
PL.34763	PL.57909	ABC	#1/0 ACSR	7.37Y	122.8	0.00	2.24	0.09	0	2	0	100	0.00	0.0	4.261	0.045	2	0	1	1
PL.35379	PL.34763	ABC	#1/0 ACSR	7.37Y	122.8	0.00	2.24	0.00	0	0	0	100	0.00	0.0	4.263	0.002	0	0	0	0
PD.5680	PL.35379	ABC	40QA	7.37Y	122.8	0.00	2.24	0.00	0	0	0	100	0.00	0.0	4.263	0.002	0	0	0	0
PL.59104	PD.5680	ABC	#1/0 ACSR	7.37Y	122.8	0.00	2.24	0.00	0	0	0	100	0.00	0.0	4.304	0.041	0	0	0	0
PL.33557	PL.34763	ABC	#4 ACSR	7.37Y	122.8	0.00	2.24	0.00	0	0	0	100	0.00	0.0	4.653	0.391	0	0	0	0
PL.36712	PL.57909	ABC	#1/0 ACSR	7.37Y	122.8	0.00	2.24	1.18	1	25	6	97	0.00	0.0	4.217	0.001	0	0	0	3
PD.5730	PL.36712	ABC	40QA	7.37Y	122.8	0.00	2.24	1.18	3	25	6	97	0.00	0.0	4.217	0.001	0	0	0	3
PL.34227	PD.5730	ABC	#1/0 ACSR	7.37Y	122.8	0.00	2.24	1.18	1	25	6	97	0.00	0.0	4.256	0.038	5	1	1	3
PL.36076	PL.34227	ABC	#1/0 ACSR	7.37Y	122.8	0.00	2.24	0.93	0	20	5	97	0.00	0.0	4.288	0.032	0	0	0	2
PL.36078	PL.36076	C	#2 ACSR	7.37Y	122.8	0.00	2.24	1.59	1	11	3	96	0.00	0.0	4.289	0.001	0	0	0	1
PD.5679	PL.36078	C	40QA	7.37Y	122.8	0.00	2.24	1.59	4	11	3	96	0.00	0.0	4.289	0.001	0	0	0	1
PL.36079	PD.5679	C	#2 ACSR	7.37Y	122.8	0.00	2.24	1.59	1	11	3	96	0.00	0.0	4.307	0.019	11	3	1	1
PL.36077	PL.36076	ABC	#1/0 ACSR	7.37Y	122.8	0.00	2.24	0.40	0	9	2	98	0.00	0.0	4.317	0.029	9	2	1	1
PL.57606	PL.57605	ABC	1/0 AL URD	7.37Y	122.8	0.01	2.18	35.06	21	698	338	90	0.04	0.0	4.149	0.028	698	338	2	2
PL.57607	PL.57604	ABC	1/0 AL URD	7.37Y	122.9	-0.00	2.13	-0.01	0	0	0	100	0.00	0.0	4.115	0.025	0	0	0	0
PL.34256	PL.62425	C	6 A (CWC)	7.38Y	122.9	0.00	2.08	1.49	1	11	2	98	0.00	0.0	4.079	0.031	11	2	1	1
PL.62475	PL.62426	A	#4 ACSR	7.38Y	123.0	0.00	1.97	0.00	0	0	0	100	0.00	0.0	4.200	0.234	0	0	0	0
PL.62476	PL.62426	C	#4 ACSR	7.38Y	123.0	0.00	1.97	1.68	1	12	3	97	0.00	0.0	3.969	0.003	0	0	0	1
PD.9350	PL.62476	C	30T	7.38Y	123.0	0.00	1.97	1.68	0	12	3	97	0.00	0.0	3.969	0.003	0	0	0	1
PL.62477	PD.9350	C	#4 ACSR	7.38Y	123.0	0.00	1.97	1.68	1	12	3	97	0.00	0.0	4.027	0.058	12	3	1	1
PL.63931	PL.35284	A	#1/0 ACSR	7.39Y	123.1	0.01	1.89	16.40	7	121	12	100	0.01	0.0	3.929	0.031	0	0	0	16
PL.63657	PL.63931	A	1/0 AL URD	7.39Y	123.1	0.00	1.89	1.17	1	8	-3	-94	0.00	0.0	3.995	0.066	8	2	1	1
PL.63656	PL.63657	A	1/0 AL URD	7.39Y	123.1	-0.00	1.88	-0.57	0	0	-4	0	0.00	0.0	5.058	1.062	0	0	0	0
PL.63934	PL.63931	A	1/0 AL URD	7.39Y	123.1	0.00	1.89	15.33	9	112	15	99	0.00	0.0	3.932	0.003	0	0	0	15
PD.9501	PL.63934	A	T	7.39Y	123.1	0.00	1.89	15.33	0	112	15	99	0.00	0.0	3.932	0.003	0	0	0	15
PL.63935	PD.9501	A	1/0 AL URD	7.36Y	122.7	0.40	2.28	15.33	9	112	15	99	0.35	0.3	4.773	0.841	0	0	0	15
PL.63933	PL.63935	A	#2 ACSR	7.36Y	122.7	0.02	2.30	13.58	8	99	15	99	0.01	0.0	4.821	0.048	0	0	0	14
PL.63929	PL.63933	A	#2 ACSR	7.36Y	122.6	0.09	2.39	13.63	8	99	17	99	0.07	0.1	5.053	0.232	7	2	1	14

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.35591	PL.63929	A	#2 ACSR	7.35Y	122.6	0.05	2.44	12.60	7	91	15	99	0.03	0.0	5.189	0.135	0	0	0	13
PL.34955	PL.35591	A	#2 ACSR	7.35Y	122.6	0.00	2.45	0.97	1	7	2	96	0.00	0.0	5.214	0.026	7	2	1	1
PL.35571	PL.35591	A	#2 ACSR	7.35Y	122.5	0.01	2.45	11.64	7	85	13	99	0.01	0.0	5.221	0.032	23	5	1	12
PL.35570	PL.35571	A	#2 ACSR	7.35Y	122.5	0.01	2.46	8.39	5	61	8	99	0.00	0.0	5.250	0.029	4	1	1	11
PL.34262	PL.35570	A	#2 ACSR	7.35Y	122.5	0.03	2.49	7.79	4	57	7	99	0.01	0.0	5.380	0.130	0	0	0	10
PL.35063	PL.34262	A	1/0 AL URD	7.35Y	122.5	0.00	2.49	1.09	1	8	2	97	0.00	0.0	5.416	0.036	8	2	2	2
PL.34455	PL.34262	A	#2 ACSR	7.35Y	122.5	0.01	2.51	6.71	4	49	5	99	0.01	0.0	5.459	0.079	3	1	2	8
PL.34456	PL.34455	A	#2 ACSR	7.35Y	122.5	0.01	2.52	6.25	4	46	5	99	0.00	0.0	5.543	0.084	13	3	1	5
PL.59735	PL.34456	A	#2 ACSR	7.35Y	122.4	0.04	2.55	4.39	3	32	1	100	0.01	0.0	5.831	0.288	0	0	0	4
PL.64044	PL.59735	A	#2 ACSR	7.35Y	122.4	0.00	2.56	1.57	1	11	3	96	0.00	0.0	5.933	0.102	1	0	1	2
PL.64045	PL.64044	A	#2 ACSR	7.35Y	122.4	0.00	2.56	1.50	1	11	2	98	0.00	0.0	6.067	0.134	11	2	1	1
PL.59736	PL.59735	A	#1/0 ACSR	7.35Y	122.4	0.00	2.55	2.86	1	21	-1	-100	0.00	0.0	5.831	0.001	0	0	0	2
PD.8838	PL.59736	A	40QA	7.35Y	122.4	0.00	2.55	2.86	7	21	-1	-100	0.00	0.0	5.831	0.001	0	0	0	2
PL.59737	PD.8838	A	#1/0 ACSR	7.35Y	122.4	0.00	2.56	2.86	1	21	-1	-100	0.00	0.0	5.877	0.046	0	0	0	2
PL.59739	PL.59737	A	1/0 AL URD	7.35Y	122.4	0.00	2.56	-0.42	0	0	-3	0	0.00	0.0	5.878	0.001	0	0	0	0
PD.8839	PL.59739	A	40QA	7.35Y	122.4	0.00	2.56	-0.42	1	0	-3	0	0.00	0.0	5.878	0.001	0	0	0	0
PL.59740	PD.8839	A	1/0 AL URD	7.35Y	122.4	-0.00	2.56	-0.42	0	0	-3	0	0.00	0.0	5.961	0.084	0	0	0	0
PL.59847	PL.59740	A	1/0 AL URD	7.35Y	122.4	0.00	2.56	-0.37	0	0	-3	0	0.00	0.0	5.962	0.001	0	0	0	0
PD.8840	PL.59847	A	100CodeSMo	7.35Y	122.4	0.00	2.56	-0.37	0	0	-3	0	0.00	0.0	5.962	0.001	0	0	0	0
PL.59848	PD.8840	A	1/0 AL URD	7.35Y	122.4	-0.00	2.56	-0.37	0	0	-3	0	0.00	0.0	6.015	0.053	0	0	0	0
PL.59849	PL.59848	A	1/0 AL URD	7.35Y	122.4	-0.00	2.55	-0.34	0	0	-3	0	0.00	0.0	6.058	0.043	0	0	0	0
PL.59850	PL.59849	A	1/0 AL URD	7.35Y	122.4	-0.00	2.55	-0.32	0	0	-2	0	0.00	0.0	6.061	0.004	0	0	0	0
PD.8843	PL.59850	A	100CodeSMo	7.35Y	122.4	0.00	2.55	-0.32	0	0	-2	0	0.00	0.0	6.061	0.004	0	0	0	0
PL.59851	PD.8843	A	1/0 AL URD	7.35Y	122.4	-0.00	2.55	-0.32	0	0	-2	0	0.00	0.0	6.090	0.029	0	0	0	0
PL.63879	PL.59851	A	1/0 AL URD	7.35Y	122.4	-0.00	2.55	-0.30	0	0	-2	0	0.00	0.0	6.156	0.066	0	0	0	0
PL.63881	PL.63879	A	1/0 AL URD	7.35Y	122.4	0.00	2.55	-0.02	0	0	0	100	0.00	0.0	6.185	0.028	0	0	0	0
PL.63880	PL.63879	A	1/0 AL URD	7.35Y	122.4	-0.00	2.55	-0.25	0	0	-2	0	0.00	0.0	6.207	0.051	0	0	0	0
PL.59741	PL.63880	A	1/0 AL URD	7.35Y	122.4	-0.00	2.55	-0.23	0	0	-2	0	0.00	0.0	6.255	0.048	0	0	0	0
PL.59742	PL.59741	A	1/0 AL URD	7.35Y	122.4	-0.00	2.55	-0.20	0	0	-1	0	0.00	0.0	6.325	0.070	0	0	0	0
PL.59743	PL.59742	A	1/0 AL URD	7.35Y	122.4	-0.00	2.55	-0.16	0	0	-1	0	0.00	0.0	6.372	0.047	0	0	0	0
PL.59744	PL.59743	A	1/0 AL URD	7.35Y	122.4	-0.00	2.55	-0.14	0	0	-1	0	0.00	0.0	6.424	0.052	0	0	0	0

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.59745	PL.59744	A	1/0 AL URD	7.35Y	122.4	-0.00	2.55	-0.11	0	0	-1	0	0.00	0.0	6.483	0.058	0	0	0	0
PL.59746	PL.59745	A	1/0 AL URD	7.35Y	122.4	-0.00	2.55	-0.08	0	0	-1	0	0.00	0.0	6.557	0.074	0	0	0	0
PL.59747	PL.59746	A	1/0 AL URD	7.35Y	122.4	-0.00	2.55	-0.04	0	0	0	100	0.00	0.0	6.608	0.051	0	0	0	0
PL.59852	PL.59747	A	1/0 AL URD	7.35Y	122.4	0.00	2.55	-0.01	0	0	0	100	0.00	0.0	6.630	0.022	0	0	0	0
PL.59738	PL.59737	A	1/0 AL URD	7.35Y	122.4	0.01	2.56	2.87	2	21	2	100	0.00	0.0	5.963	0.086	0	0	0	2
PD.8841	PL.59738	A	100CodeSMo	7.35Y	122.4	0.00	2.56	2.87	0	21	2	100	0.00	0.0	5.963	0.086	0	0	0	2
PL.59842	PD.8841	A	1/0 AL URD	7.35Y	122.4	0.01	2.57	2.87	2	21	2	100	0.00	0.0	6.058	0.095	0	0	0	2
PD.8842	PL.59842	A	100CodeSMo	7.35Y	122.4	0.00	2.57	2.88	0	21	3	99	0.00	0.0	6.058	0.095	0	0	0	2
PL.59843	PD.8842	A	1/0 AL URD	7.35Y	122.4	0.00	2.57	2.88	2	21	3	99	0.00	0.0	6.092	0.035	10	2	1	2
PL.59844	PL.59843	A	1/0 AL URD	7.35Y	122.4	0.01	2.58	1.55	1	11	0	100	0.00	0.0	6.204	0.112	0	0	0	1
PL.59845	PL.59844	A	1/0 AL URD	7.34Y	122.4	0.01	2.58	1.55	1	11	1	100	0.00	0.0	6.324	0.120	0	0	0	1
PL.64715	PL.59845	A	1/0 AL URD	7.34Y	122.4	0.00	2.59	1.56	1	11	1	100	0.00	0.0	6.430	0.106	11	3	1	1
PL.64716	PL.64715	A	1/0 AL URD	7.34Y	122.4	-0.00	2.59	-0.12	0	0	-1	0	0.00	0.0	6.563	0.133	0	0	0	0
PL.59846	PL.64716	A	1/0 AL URD	7.34Y	122.4	-0.00	2.59	-0.05	0	0	0	100	0.00	0.0	6.645	0.082	0	0	0	0
PD.8845	PL.59846	A	100CodeSMo	7.34Y	122.4	0.00	2.59	-0.00	0	0	0	100	0.00	0.0	6.645	0.082	0	0	0	0
PL.59903	PD.8845	A	1/0 AL URD	7.34Y	122.4	0.00	2.59	-0.00	0	0	0	100	0.00	0.0	6.647	0.002	0	0	0	0
PL.59853	PL.59903	A	1/0 AL URD	7.34Y	122.4	0.00	2.59	-0.00	0	0	0	100	0.00	0.0	6.653	0.006	0	0	0	0
PL.34153	PL.34455	A	#2 ACSR	7.35Y	122.5	0.00	2.51	0.10	0	1	0	100	0.00	0.0	5.486	0.027	1	0	1	1
PL.63930	PL.63933	A	1/0 AL URD	7.36Y	122.7	-0.00	2.30	-0.27	0	0	-2	0	0.00	0.0	5.329	0.508	0	0	0	0
PL.63932	PL.63935	A	#2 ACSR	7.36Y	122.7	0.00	2.28	1.81	1	13	3	97	0.00	0.0	4.773	0.000	0	0	0	1
PL.62685	PL.63932	A	1/0 AL URD	7.36Y	122.7	0.00	2.28	1.81	1	13	3	97	0.00	0.0	4.786	0.013	13	3	1	1
PL.64364	PL.36711	B	#2 ACSR	7.39Y	123.2	0.00	1.82	1.21	1	9	2	98	0.00	0.0	3.896	0.037	9	2	2	2
PL.35376	PL.33224	A	#2 ACSR	7.40Y	123.4	0.00	1.61	1.86	1	13	3	97	0.00	0.0	3.716	0.001	0	0	0	1
PD.5829	PL.35376	A	40QA	7.40Y	123.4	0.00	1.61	1.86	5	13	3	97	0.00	0.0	3.716	0.001	0	0	0	1
PL.59942	PD.5829	A	#2 ACSR	7.40Y	123.4	0.00	1.61	1.86	1	13	3	97	0.00	0.0	3.767	0.051	13	3	1	1
PL.33863	PL.35213	C	#4 ACSR	7.41Y	123.6	0.00	1.45	1.97	2	14	3	98	0.00	0.0	3.608	0.000	0	0	0	3
PD.5032	PL.33863	C	40QA	7.41Y	123.6	0.00	1.45	1.97	5	14	3	98	0.00	0.0	3.608	0.000	0	0	0	3
PL.35096	PD.5032	C	#4 ACSR	7.41Y	123.6	0.00	1.45	1.97	2	14	3	98	0.00	0.0	3.634	0.026	2	1	1	3
PL.33862	PL.35096	C	#4 ACSR	7.41Y	123.5	0.00	1.45	1.66	1	12	3	97	0.00	0.0	3.691	0.057	12	3	2	2
PL.36611	PL.63877	A	#2 ACSR	7.42Y	123.7	0.00	1.32	2.76	2	20	5	97	0.00	0.0	3.525	0.001	0	0	0	2
PD.5031	PL.36611	A	40QA	7.42Y	123.7	0.00	1.32	2.76	7	20	5	97	0.00	0.0	3.525	0.001	0	0	0	2

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.36612	PD.5031	A	#2 ACSR	7.42Y	123.7	0.00	1.33	2.76	2	20	5	97	0.00	0.0	3.577	0.052	9	2	1	2
PL.36609	PL.36612	A	#2 ACSR	7.42Y	123.7	0.00	1.33	1.52	1	11	3	96	0.00	0.0	3.602	0.025	11	3	1	1
PL.57198	PL.52166	ABC	#3/0 ACSR	7.45Y	124.2	0.09	0.76	79.75	27	1730	439	97	0.93	0.1	3.196	0.087	0	0	0	227
PL.57197	PL.57198	ABC	336 MCM AC	7.45Y	124.2	0.04	0.80	53.48	10	1157	304	97	0.24	0.0	3.295	0.099	0	0	0	151
PL.57200	PL.57197	ABC	336 MCM AC	7.45Y	124.2	0.00	0.80	53.48	10	1157	303	97	0.00	0.0	3.296	0.001	0	0	0	151
PD.5853	PL.57200	ABC	100L	7.45Y	124.2	0.00	0.80	53.48	53	1157	303	97	0.00	0.0	3.296	0.001	0	0	0	151
PL.57202	PD.5853	ABC	336 MCM AC	7.45Y	124.2	0.00	0.80	53.48	10	1157	303	97	0.02	0.0	3.306	0.010	8	2	1	151
PL.57201	PL.57202	ABC	336 MCM AC	7.45Y	124.2	0.02	0.82	53.13	10	1149	301	97	0.12	0.0	3.357	0.052	0	0	0	150
PL.35277	PL.57201	ABC	336 MCM AC	7.45Y	124.2	0.02	0.85	45.04	9	973	260	97	0.12	0.0	3.428	0.071	0	0	0	123
PL.57207	PL.35277	C	6 A (CWC)	7.45Y	124.2	0.00	0.85	3.40	2	25	6	97	0.00	0.0	3.432	0.004	0	0	0	2
PD.8268	PL.57207	C	50QA	7.45Y	124.2	0.00	0.85	3.40	7	25	6	97	0.00	0.0	3.432	0.004	0	0	0	2
PL.57208	PD.8268	C	6 A (CWC)	7.45Y	124.1	0.00	0.85	3.40	2	25	6	97	0.00	0.0	3.485	0.053	25	6	2	2
PL.57209	PL.35277	ABC	336 MCM AC	7.45Y	124.1	0.01	0.86	43.91	8	948	254	97	0.06	0.0	3.467	0.039	27	6	3	121
PL.57252	PL.57209	ABC	336 MCM AC	7.45Y	124.1	0.01	0.87	42.66	8	921	247	97	0.06	0.0	3.510	0.042	7	2	1	118
PL.57253	PL.57252	ABC	336 MCM AC	7.45Y	124.1	0.00	0.88	42.35	8	914	246	97	0.02	0.0	3.523	0.014	0	0	0	117
PL.57254	PL.57253	ABC	336 MCM AC	7.45Y	124.1	0.00	0.88	38.27	7	829	210	97	0.02	0.0	3.536	0.013	9	2	1	110
PL.57251	PL.57254	ABC	336 MCM AC	7.45Y	124.1	0.01	0.89	37.85	7	820	207	97	0.04	0.0	3.570	0.034	4	1	1	109
PL.57250	PL.57251	ABC	336 MCM AC	7.45Y	124.1	0.00	0.89	37.65	7	815	206	97	0.02	0.0	3.585	0.015	4	1	1	108
PL.57210	PL.57250	ABC	336 MCM AC	7.45Y	124.1	0.01	0.91	37.46	7	811	205	97	0.06	0.0	3.638	0.053	0	0	0	107
PL.59491	PL.57210	C	6 A (CWC)	7.45Y	124.1	0.00	0.91	1.36	1	10	2	98	0.00	0.0	3.642	0.003	0	0	0	3
PD.8909	PL.59491	C	10QA	7.45Y	124.1	0.00	0.91	1.36	0	10	2	98	0.00	0.0	3.642	0.003	0	0	0	3
PL.59976	PD.8909	C	6 A (CWC)	7.45Y	124.1	0.00	0.91	1.36	1	10	2	98	0.00	0.0	3.672	0.030	10	2	3	3
PL.57211	PL.57210	ABC	336 MCM AC	7.44Y	124.1	0.01	0.92	37.01	7	801	203	97	0.05	0.0	3.681	0.042	20	5	2	104
PL.57212	PL.57211	ABC	336 MCM AC	7.44Y	124.1	0.01	0.93	36.11	7	782	198	97	0.03	0.0	3.712	0.032	16	4	3	102
PL.57213	PL.57212	ABC	336 MCM AC	7.44Y	124.1	0.02	0.95	34.86	7	755	192	97	0.08	0.0	3.788	0.076	32	7	3	98
PL.57215	PL.57213	C	#1/0 ACSR	7.44Y	124.1	0.00	0.95	0.00	0	0	0	100	0.00	0.0	3.795	0.006	0	0	0	0
PD.8269	PL.57215	C	10QA	7.44Y	124.1	0.00	0.95	0.00	0	0	0	100	0.00	0.0	3.795	0.006	0	0	0	0
PL.57216	PD.8269	C	#1/0 ACSR	7.44Y	124.1	0.00	0.95	0.00	0	0	0	100	0.00	0.0	3.879	0.084	0	0	0	0
PL.57214	PL.57213	ABC	336 MCM AC	7.44Y	124.0	0.01	0.96	33.38	6	722	184	97	0.06	0.0	3.850	0.062	0	0	0	95
PL.57217	PL.57214	ABC	336 MCM AC	7.44Y	124.0	0.04	1.00	33.38	6	722	184	97	0.16	0.0	4.017	0.167	0	0	0	95
PL.57220	PL.57217	ABC	336 MCM AC	7.44Y	124.0	0.02	1.02	33.38	6	722	184	97	0.07	0.0	4.096	0.079	0	0	0	95

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.57058	PL.57220	ABC	336 MCM AC	7.44Y	124.0	0.01	1.03	31.58	6	683	174	97	0.04	0.0	4.142	0.045	0	0	0	86
PL.62069	PL.57058	ABC	336 MCM AC	7.44Y	123.9	0.04	1.07	31.58	6	683	174	97	0.13	0.0	4.301	0.159	0	0	1	86
PL.62070	PL.62069	ABC	336 MCM AC	7.43Y	123.9	0.02	1.09	31.58	6	683	174	97	0.08	0.0	4.390	0.089	0	0	0	85
PL.62059	PL.62070	ABC	336 MCM AC	7.43Y	123.9	0.01	1.10	31.58	6	683	174	97	0.03	0.0	4.424	0.034	0	0	0	85
PL.62060	PL.62059	ABC	336 MCM AC	7.43Y	123.9	0.01	1.11	31.58	6	683	174	97	0.04	0.0	4.472	0.048	0	0	0	85
PL.57060	PL.62060	A	#1/0 ACSR	7.43Y	123.9	0.00	1.11	1.63	1	12	3	97	0.00	0.0	4.477	0.005	0	0	0	1
PD.8337	PL.57060	A	20T	7.43Y	123.9	0.00	1.11	1.63	0	12	3	97	0.00	0.0	4.477	0.005	0	0	0	1
PL.57059	PD.8337	A	#1/0 ACSR	7.43Y	123.9	0.00	1.11	1.63	1	12	3	97	0.00	0.0	4.562	0.085	12	3	1	1
PL.57061	PL.62060	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.11	1.64	1	33	16	90	0.00	0.0	4.476	0.004	0	0	0	1
PD.8338	PL.57061	ABC	40QA	7.43Y	123.9	0.00	1.11	1.64	4	33	16	90	0.00	0.0	4.476	0.004	0	0	0	1
PL.57062	PD.8338	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.11	1.64	1	33	16	90	0.00	0.0	4.540	0.064	0	0	0	1
PL.57279	PL.57062	ABC	6 A (CWC)	7.43Y	123.9	0.00	1.11	1.64	1	33	16	90	0.00	0.0	4.568	0.028	33	16	1	1
PL.57063	PL.62060	ABC	336 MCM AC	7.43Y	123.9	0.02	1.12	29.43	6	638	155	97	0.06	0.0	4.560	0.087	0	0	0	83
PL.57067	PL.57063	ABC	336 MCM AC	7.43Y	123.9	0.01	1.13	29.43	6	638	155	97	0.02	0.0	4.593	0.033	0	0	0	83
PL.57068	PL.57067	A	#1/0 ACSR	7.43Y	123.9	0.00	1.13	1.73	1	13	3	97	0.00	0.0	4.597	0.004	0	0	0	1
PD.8340	PL.57068	A	10QA	7.43Y	123.9	0.00	1.13	1.73	0	13	3	97	0.00	0.0	4.597	0.004	0	0	0	1
PL.57069	PD.8340	A	#1/0 ACSR	7.43Y	123.9	0.00	1.13	1.73	1	13	3	97	0.00	0.0	4.622	0.025	0	0	0	1
PL.57066	PL.57069	A	6 A (CWC)	7.43Y	123.9	0.00	1.13	1.73	1	13	3	97	0.00	0.0	4.648	0.026	13	3	1	1
PL.57070	PL.57067	ABC	336 MCM AC	7.43Y	123.9	0.01	1.14	28.86	6	625	152	97	0.03	0.0	4.633	0.041	7	2	1	82
PL.57073	PL.57070	ABC	336 MCM AC	7.43Y	123.8	0.04	1.18	28.55	6	619	150	97	0.14	0.0	4.843	0.210	0	0	0	81
PL.57079	PL.57073	ABC	336 MCM AC	7.43Y	123.8	0.06	1.25	27.43	5	594	144	97	0.21	0.0	5.175	0.332	0	0	0	77
PL.62547	PL.57079	ABC	336 MCM AC	7.42Y	123.7	0.10	1.35	26.83	5	581	141	97	0.32	0.1	5.711	0.536	0	0	0	75
PL.62548	PL.62547	ABC	336 MCM AC	7.42Y	123.6	0.01	1.36	26.83	5	580	140	97	0.04	0.0	5.773	0.062	0	0	0	75
PL.56415	PL.62548	A	#1/0 ACSR	7.42Y	123.6	0.00	1.36	5.43	2	39	9	97	0.00	0.0	5.797	0.024	0	0	0	6
PL.63866	PL.56415	A	#4 ACSR	7.42Y	123.6	0.00	1.36	5.43	4	39	9	97	0.00	0.0	5.799	0.001	0	0	0	6
PD.9493	PL.63866	A	50QA	7.42Y	123.6	0.00	1.36	5.43	11	39	9	97	0.00	0.0	5.799	0.001	0	0	0	6
PL.63867	PD.9493	A	#4 ACSR	7.42Y	123.6	0.01	1.37	1.90	1	14	3	98	0.00	0.0	5.868	0.069	0	0	0	3
PL.63868	PL.63867	A	#4 ACSR	7.42Y	123.6	0.00	1.37	1.90	1	14	3	98	0.00	0.0	5.915	0.048	14	3	3	3
PL.36478	PL.63868	A	#4 ACSR	7.42Y	123.6	0.00	1.37	0.00	0	0	0	100	0.00	0.0	5.962	0.047	0	0	0	0
PL.63869	PD.9493	A	#4 ACSR	7.42Y	123.6	0.00	1.37	3.54	3	26	6	97	0.00	0.0	5.840	0.041	13	3	1	3
PL.56413	PL.63869	A	#4 ACSR	7.42Y	123.6	0.00	1.37	1.75	1	13	3	97	0.00	0.0	5.885	0.045	3	1	1	2

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.56414	PL.56413	A	#4 ACSR	7.42Y	123.6	0.00	1.38	1.41	1	10	2	98	0.00	0.0	5.967	0.083	10	2	1	1
PL.57085	PL.62548	ABC	336 MCM AC	7.42Y	123.6	0.02	1.38	23.27	4	503	122	97	0.06	0.0	5.904	0.132	0	0	0	66
PL.57091	PL.57085	ABC	336 MCM AC	7.41Y	123.6	0.06	1.45	20.96	4	453	110	97	0.16	0.0	6.326	0.422	0	0	0	60
PL.59615	PL.57091	ABC	#1/0 ACSR	7.41Y	123.5	0.07	1.52	20.96	9	453	110	97	0.22	0.0	6.511	0.185	0	0	0	60
PL.59616	PL.59615	ABC	#1/0 ACSR	7.41Y	123.5	0.01	1.52	20.96	9	453	110	97	0.03	0.0	6.536	0.025	0	0	0	60
PL.61998	PL.59616	A	6 A (CWC)	7.41Y	123.5	0.01	1.53	10.70	8	77	18	97	0.00	0.0	6.554	0.018	8	2	1	15
PL.61996	PL.61998	A	6 A (CWC)	7.41Y	123.4	0.04	1.57	9.54	7	69	16	97	0.02	0.0	6.653	0.099	13	3	1	14
PL.61997	PL.61996	A	6 A (CWC)	7.40Y	123.4	0.05	1.62	7.79	6	56	13	97	0.02	0.0	6.789	0.136	0	0	0	13
PL.61999	PL.61997	A	6 A (CWC)	7.40Y	123.4	0.00	1.62	0.00	0	0	0	100	0.00	0.0	6.834	0.044	0	0	0	0
PL.62000	PL.61997	A	6 A (CWC)	7.40Y	123.4	0.01	1.63	6.01	4	43	10	97	0.00	0.0	6.844	0.054	0	0	0	9
PL.35220	PL.62000	A	6 A (CWC)	7.40Y	123.3	0.03	1.66	6.01	4	43	10	97	0.01	0.0	6.968	0.125	13	3	1	9
PL.34218	PL.35220	A	6 A (CWC)	7.40Y	123.3	0.02	1.68	4.18	3	30	7	97	0.00	0.0	7.057	0.088	0	0	0	8
PL.35188	PL.34218	A	6 A (CWC)	7.40Y	123.3	0.00	1.68	0.00	0	0	0	100	0.00	0.0	7.197	0.141	0	0	0	0
PL.64369	PL.34218	A	6 A (CWC)	7.39Y	123.2	0.10	1.78	4.18	3	30	7	97	0.02	0.1	7.594	0.537	0	0	0	8
PL.63683	PL.64369	A	6 A (CWC)	7.39Y	123.2	0.03	1.81	3.47	2	25	6	97	0.00	0.0	7.759	0.165	0	0	0	7
PL.35693	PL.63683	A	6 A (CWC)	7.39Y	123.2	0.03	1.84	3.47	2	25	6	97	0.01	0.0	7.971	0.211	0	0	0	7
PL.34283	PL.35693	A	6 A (CWC)	7.39Y	123.1	0.02	1.86	3.47	2	25	6	97	0.00	0.0	8.084	0.113	0	0	0	7
PL.33695	PL.34283	A	#4 ACSR	7.39Y	123.1	0.00	1.86	0.24	0	2	0	100	0.00	0.0	8.150	0.066	0	0	0	1
PL.33696	PL.33695	A	#4 ACSR	7.39Y	123.1	0.00	1.86	0.24	0	2	0	100	0.00	0.0	8.735	0.585	2	0	1	1
PL.34282	PL.34283	A	6 A (CWC)	7.39Y	123.1	0.00	1.86	3.24	2	23	5	98	0.00	0.0	8.117	0.033	0	0	0	6
PL.35119	PL.34282	A	6 A (CWC)	7.39Y	123.1	0.01	1.87	3.24	2	23	5	98	0.00	0.0	8.173	0.056	0	0	0	6
PL.57756	PL.35119	A	6 A (CWC)	7.39Y	123.1	0.01	1.88	3.09	2	22	5	98	0.00	0.0	8.267	0.094	0	0	0	3
PL.57757	PL.57756	A	6 A (CWC)	7.38Y	123.1	0.06	1.95	3.09	2	22	5	98	0.01	0.0	8.715	0.448	0	0	0	3
PL.36350	PL.57757	A	6 A (CWC)	7.38Y	123.0	0.05	1.99	2.31	2	17	4	97	0.01	0.0	9.178	0.463	0	0	0	2
PL.35612	PL.36350	A	6 A (CWC)	7.38Y	123.0	0.00	2.00	2.31	2	17	4	97	0.00	0.0	9.216	0.037	14	3	1	2
PL.36040	PL.35612	A	6 A (CWC)	7.38Y	123.0	0.00	2.00	0.40	0	3	1	95	0.00	0.0	9.293	0.078	0	0	0	1
PL.35217	PL.36040	A	#2 ACSR	7.38Y	123.0	0.00	2.00	0.40	0	3	1	95	0.00	0.0	9.449	0.156	3	1	1	1
PL.36041	PL.36040	A	6 A (CWC)	7.38Y	123.0	0.00	2.00	0.00	0	0	0	100	0.00	0.0	9.335	0.041	0	0	0	0
PL.35216	PL.36041	A	#4 ACSR	7.38Y	123.0	0.00	2.00	0.00	0	0	0	100	0.00	0.0	9.428	0.093	0	0	0	0
PL.36042	PL.36041	A	6 A (CWC)	7.38Y	123.0	0.00	2.00	0.00	0	0	0	100	0.00	0.0	9.429	0.095	0	0	0	0
PL.35614	PL.36350	A	#4 ACSR	7.38Y	123.0	0.00	1.99	0.00	0	0	0	100	0.00	0.0	9.250	0.072	0	0	0	0

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PL.35615	PL.35614	A	#4 ACSR	7.38Y	123.0	0.00	1.99	0.00	0	0	0	100	0.00	0.0	9.318	0.067	0	0	0	0	
PL.35613	PL.35615	A	#4 ACSR	7.38Y	123.0	0.00	1.99	0.00	0	0	0	100	0.00	0.0	9.418	0.100	0	0	0	0	
PL.33755	PL.57757	A	#4 ACSR	7.38Y	123.1	0.00	1.95	0.78	1	6	1	99	0.00	0.0	8.781	0.066	6	1	1	1	
PL.35120	PL.35119	A	6 A (CWC)	7.39Y	123.1	0.00	1.87	0.15	0	1	0	100	0.00	0.0	8.353	0.180	0	0	1	3	
PL.59485	PL.35120	A	#1/0 ACSR	7.39Y	123.1	0.00	1.87	0.00	0	0	0	100	0.00	0.0	8.384	0.031	0	0	1	1	
PL.35121	PL.35120	A	6 A (CWC)	7.39Y	123.1	0.00	1.87	0.14	0	1	0	100	0.00	0.0	8.658	0.305	1	0	1	1	
PL.35218	PL.34282	A	6 A (CWC)	7.39Y	123.1	0.00	1.86	0.00	0	0	0	100	0.00	0.0	8.150	0.033	0	0	0	0	
PL.63684	PL.64369	A	#1/0 ACSR	7.39Y	123.2	0.00	1.78	0.71	0	5	1	98	0.00	0.0	7.667	0.073	0	0	0	1	
PL.63685	PL.63684	A	#1/0 ACSR	7.39Y	123.2	0.00	1.78	0.71	0	5	1	98	0.00	0.0	7.714	0.048	5	1	1	1	
PL.62001	PL.61997	A	6 A (CWC)	7.40Y	123.4	0.01	1.63	1.78	1	13	3	97	0.00	0.0	6.906	0.116	0	0	2	4	
PL.36104	PL.62001	A	6 A (CWC)	7.40Y	123.4	0.00	1.63	1.29	1	9	2	98	0.00	0.0	6.968	0.062	9	2	1	1	
PL.34985	PL.62001	A	6 A (CWC)	7.40Y	123.4	0.00	1.63	0.49	0	4	1	97	0.00	0.0	6.996	0.091	4	1	1	1	
PL.59617	PL.59616	B	6 A (CWC)	7.41Y	123.5	0.01	1.53	52.18	37	376	92	97	0.02	0.0	6.539	0.003	0	0	0	45	
C PD.8804	PL.59617	B	50L	7.41Y	123.5	0.00	1.53	52.18	104	376	92	97	0.00	0.0	6.539	0.003	0	0	0	45	C
PL.59618	PD.8804	B	6 A (CWC)	7.34Y	122.4	1.11	2.64	52.18	37	376	92	97	3.12	0.8	7.010	0.471	0	0	0	45	
PL.59689	PL.59618	B	6 A (CWC)	7.33Y	122.2	0.18	2.83	52.18	37	372	90	97	0.51	0.1	7.088	0.078	0	0	0	45	
PL.59687	PL.59689	B	#4 ACSR	7.33Y	122.2	0.00	2.83	0.00	0	0	0	100	0.00	0.0	7.187	0.099	0	0	0	0	
PL.59688	PL.59689	B	6 A (CWC)	7.33Y	122.2	0.00	2.83	0.00	0	0	0	100	0.00	0.0	7.128	0.040	0	0	1	1	
PL.59690	PL.59689	B	6 A (CWC)	7.33Y	122.1	0.08	2.91	19.75	14	141	33	97	0.08	0.1	7.177	0.090	0	0	0	4	
PL.35941	PL.59690	B	6 A (CWC)	7.33Y	122.1	0.00	2.91	19.75	14	141	33	97	0.00	0.0	7.178	0.001	0	0	0	4	
PD.5734	PL.35941	B	40QA	7.33Y	122.1	0.00	2.91	19.75	49	141	33	97	0.00	0.0	7.178	0.001	0	0	0	4	
PL.36664	PD.5734	B	6 A (CWC)	7.32Y	122.0	0.13	3.04	19.75	14	141	33	97	0.14	0.1	7.333	0.155	11	3	1	4	
PL.36178	PL.36664	B	6 A (CWC)	7.29Y	121.5	0.42	3.46	18.20	13	130	30	97	0.39	0.3	7.886	0.553	20	5	1	3	
PL.35609	PL.36178	B	6 A (CWC)	7.29Y	121.5	0.00	3.46	0.00	0	0	0	100	0.00	0.0	7.943	0.057	0	0	0	0	
PL.36495	PL.35609	B	6 A (CWC)	7.29Y	121.5	0.00	3.46	0.00	0	0	0	100	0.00	0.0	7.961	0.018	0	0	0	0	
PL.35308	PL.36495	B	6 A (CWC)	7.29Y	121.5	0.00	3.46	0.00	0	0	0	100	0.00	0.0	7.992	0.031	0	0	0	0	
PL.35536	PL.35308	B	6 A (CWC)	7.29Y	121.5	0.00	3.46	0.00	0	0	0	100	0.00	0.0	8.144	0.152	0	0	0	0	
PL.64571	PL.35609	B	#4 ACSR	7.29Y	121.5	0.00	3.46	0.00	0	0	0	100	0.00	0.0	7.961	0.018	0	0	0	0	
PL.64572	PL.64571	B	#1/0 ACSR	7.29Y	121.5	0.00	3.46	0.00	0	0	0	100	0.00	0.0	7.975	0.013	0	0	0	0	
PL.64573	PL.64572	B	#1/0 ACSR	7.29Y	121.5	0.00	3.46	0.00	0	0	0	100	0.00	0.0	8.052	0.078	0	0	0	0	
PL.35264	PL.36178	B	#2 ACSR	7.29Y	121.5	0.01	3.47	15.36	9	109	25	97	0.00	0.0	7.912	0.026	109	25	2	2	

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.59686	PL.59689	B	6 A (CWC)	7.27Y	121.2	0.95	3.78	32.42	23	231	56	97	1.66	0.7	7.738	0.650	0	0	0	40
PL.35210	PL.59686	B	6 A (CWC)	7.27Y	121.2	0.00	3.78	3.98	3	28	7	97	0.00	0.0	7.743	0.005	0	0	0	4
PD.5681	PL.35210	B	40QA	7.27Y	121.2	0.00	3.78	3.98	10	28	7	97	0.00	0.0	7.743	0.005	0	0	0	4
PL.35211	PD.5681	B	6 A (CWC)	7.27Y	121.2	0.02	3.81	3.98	3	28	7	97	0.01	0.0	7.874	0.130	0	0	0	4
PL.34284	PL.35211	B	6 A (CWC)	7.27Y	121.2	0.00	3.81	0.14	0	1	0	100	0.00	0.0	8.075	0.201	0	0	0	1
PL.34285	PL.34284	B	6 A (CWC)	7.27Y	121.2	0.00	3.81	0.00	0	0	0	100	0.00	0.0	8.155	0.080	0	0	0	0
PL.33378	PL.34284	B	6 A (CWC)	7.27Y	121.2	0.00	3.81	0.14	0	1	0	100	0.00	0.0	8.098	0.023	1	0	1	1
PL.33382	PL.34284	B	6 A (CWC)	7.27Y	121.2	0.00	3.81	0.00	0	0	0	100	0.00	0.0	8.097	0.023	0	0	0	0
PL.34848	PL.35211	B	6 A (CWC)	7.27Y	121.1	0.06	3.87	3.84	3	27	6	98	0.01	0.0	8.354	0.481	14	3	1	3
PL.59108	PL.34848	B	6 A (CWC)	7.27Y	121.1	0.00	3.87	1.84	1	13	3	97	0.00	0.0	8.405	0.051	0	0	0	2
PL.59109	PL.59108	B	6 A (CWC)	7.27Y	121.1	0.00	3.88	1.84	1	13	3	97	0.00	0.0	8.452	0.047	0	0	0	2
PL.59111	PL.59109	B	6 A (CWC)	7.27Y	121.1	0.00	3.88	1.84	1	13	3	97	0.00	0.0	8.470	0.018	13	3	2	2
PL.59110	PL.59109	B	6 A (CWC)	7.27Y	121.1	0.00	3.88	0.00	0	0	0	100	0.00	0.0	8.722	0.270	0	0	0	0
PL.35950	PL.59110	B	6 A (CWC)	7.27Y	121.1	0.00	3.88	0.00	0	0	0	100	0.00	0.0	8.847	0.125	0	0	0	0
PL.34427	PL.35950	B	6 A (CWC)	7.27Y	121.1	0.00	3.88	0.00	0	0	0	100	0.00	0.0	8.941	0.094	0	0	0	0
PL.36183	PL.35950	B	6 A (CWC)	7.27Y	121.1	0.00	3.88	0.00	0	0	0	100	0.00	0.0	8.935	0.089	0	0	0	0
PL.35417	PL.59110	B	6 A (CWC)	7.27Y	121.1	0.00	3.88	0.00	0	0	0	100	0.00	0.0	8.775	0.053	0	0	0	0
PL.64285	PL.59686	B	6 A (CWC)	7.27Y	121.2	0.00	3.79	28.44	20	201	49	97	0.01	0.0	7.741	0.003	0	0	0	36
PD.9515	PL.64285	B	30T	7.27Y	121.2	0.00	3.79	28.44	0	201	49	97	0.00	0.0	7.741	0.003	0	0	0	36
PL.64286	PD.9515	B	6 A (CWC)	7.25Y	120.9	0.32	4.10	28.44	20	201	49	97	0.49	0.2	7.988	0.247	0	0	0	36
PL.35227	PL.64286	B	6 A (CWC)	7.25Y	120.9	0.00	4.11	3.51	3	25	6	97	0.00	0.0	8.051	0.063	25	6	1	1
PL.36359	PL.64286	B	6 A (CWC)	7.24Y	120.6	0.26	4.36	24.94	18	176	43	97	0.34	0.2	8.220	0.232	9	2	1	35
PL.63878	PL.36359	B	#1/0 ACSR	7.24Y	120.6	0.00	4.36	1.81	1	13	3	97	0.00	0.0	8.311	0.091	13	3	1	1
PL.36360	PL.36359	B	6 A (CWC)	7.19Y	119.8	0.80	5.16	21.86	16	154	37	97	0.93	0.6	9.024	0.804	0	0	0	33
PL.35307	PL.36360	B	#4 ACSR	7.19Y	119.8	0.02	5.17	1.64	1	11	3	96	0.00	0.0	9.256	0.232	0	0	0	5
PL.35832	PL.35307	B	#4 ACSR	7.19Y	119.8	0.01	5.19	1.64	1	11	3	96	0.00	0.0	9.455	0.199	0	0	1	5
PL.35616	PL.35832	B	#4 ACSR	7.19Y	119.8	0.01	5.19	1.64	1	11	3	96	0.00	0.0	9.567	0.112	1	0	1	4
PL.35617	PL.35616	B	#4 ACSR	7.19Y	119.8	0.01	5.20	1.56	1	11	3	96	0.00	0.0	9.733	0.166	3	1	1	3
PL.35618	PL.35617	B	#4 ACSR	7.19Y	119.8	0.01	5.21	1.07	1	7	2	96	0.00	0.0	9.858	0.125	1	0	1	2
PL.35619	PL.35618	B	#4 ACSR	7.19Y	119.8	0.01	5.22	0.95	1	7	2	96	0.00	0.0	10.132	0.274	7	2	1	1
PL.33703	PL.36360	B	6 A (CWC)	7.18Y	119.7	0.17	5.32	20.23	14	141	34	97	0.18	0.1	9.206	0.182	0	0	0	28

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PL.37072	PL.33703	B	6 A (CWC)	7.18Y	119.7	0.00	5.32	20.23	14	141	34	97	0.00	0.0	9.207	0.001	0	0	0	28	
PD.5029	PL.37072	B	30T	7.18Y	119.7	0.00	5.32	20.23	0	141	34	97	0.00	0.0	9.207	0.001	0	0	0	28	
PL.57342	PD.5029	B	6 A (CWC)	7.17Y	119.6	0.12	5.44	20.23	14	141	34	97	0.13	0.1	9.338	0.131	0	0	0	28	
PL.59487	PL.57342	B	6 A (CWC)	7.17Y	119.5	0.09	5.54	20.23	14	141	34	97	0.10	0.1	9.440	0.102	0	0	0	28	
PL.59489	PL.59487	B	6 A (CWC)	7.13Y	118.9	0.59	6.13	20.23	14	141	34	97	0.63	0.4	10.114	0.674	10	2	1	28	
PL.59490	PL.59489	B	6 A (CWC)	7.13Y	118.8	0.11	6.24	18.79	13	130	31	97	0.11	0.1	10.243	0.130	0	0	0	27	
PL.59488	PL.59490	B	6 A (CWC)	7.12Y	118.6	0.17	6.41	18.79	13	130	31	97	0.16	0.1	10.453	0.210	14	3	2	27	
PL.59122	PL.59488	B	6 A (CWC)	7.10Y	118.3	0.28	6.69	16.83	12	117	28	97	0.25	0.2	10.816	0.363	0	0	1	25	
PL.59907	PL.59122	B	6 A (CWC)	7.10Y	118.3	0.04	6.72	16.83	12	116	28	97	0.03	0.0	10.865	0.049	0	0	1	24	
PL.59908	PL.59907	B	6 A (CWC)	7.09Y	118.2	0.09	6.82	16.83	12	116	28	97	0.08	0.1	10.987	0.123	0	0	1	23	
PL.59189	PL.59908	B	6 A (CWC)	7.09Y	118.1	0.06	6.88	16.79	12	116	27	97	0.06	0.0	11.069	0.082	0	0	0	22	
L PL.59190	PL.59189	B	6 A (CWC)	7.07Y	117.8	0.28	7.16	16.79	12	116	27	97	0.25	0.2	11.437	0.367	0	0	0	22	L
L PL.59990	PL.59190	B	6 A (CWC)	7.05Y	117.5	0.33	7.49	16.79	12	116	27	97	0.30	0.3	11.877	0.440	0	0	0	22	L
L PL.59992	PL.59990	B	6 A (CWC)	7.03Y	117.1	0.37	7.86	16.79	12	115	27	97	0.33	0.3	12.361	0.484	0	0	0	22	L
L PL.59991	PL.59992	B	6 A (CWC)	7.01Y	116.8	0.36	8.22	16.79	12	115	27	97	0.33	0.3	12.842	0.481	0	0	0	22	L
L PL.62091	PL.59991	B	6 A (CWC)	7.01Y	116.8	0.00	8.23	9.13	7	62	14	98	0.00	0.0	12.845	0.003	0	0	0	13	L
L PD.9360	PL.62091	B	20T	7.01Y	116.8	0.00	8.23	9.13	0	62	14	98	0.00	0.0	12.845	0.003	0	0	0	13	L
L PL.62092	PD.9360	B	6 A (CWC)	7.00Y	116.7	0.10	8.33	9.13	7	62	14	98	0.05	0.1	13.095	0.250	0	0	0	13	L
L PL.34583	PL.62092	B	6 A (CWC)	7.00Y	116.7	0.00	8.33	0.00	0	0	0	100	0.00	0.0	13.185	0.090	0	0	0	0	L
L PL.35303	PL.62092	B	6 A (CWC)	7.00Y	116.6	0.06	8.38	9.13	7	62	14	98	0.03	0.0	13.229	0.134	0	0	0	13	L
L PL.34702	PL.35303	B	6 A (CWC)	7.00Y	116.6	0.00	8.38	0.00	0	0	0	100	0.00	0.0	13.462	0.232	0	0	0	0	L
L PL.36249	PL.35303	B	6 A (CWC)	6.99Y	116.5	0.13	8.51	9.13	7	62	14	98	0.06	0.1	13.536	0.306	0	0	1	13	L
L PL.36250	PL.36249	B	6 A (CWC)	6.97Y	116.2	0.32	8.83	9.13	7	62	14	98	0.16	0.3	14.305	0.769	0	0	0	12	L
L PL.35568	PL.36250	B	6 A (CWC)	6.97Y	116.1	0.04	8.87	8.50	6	58	13	98	0.02	0.0	14.413	0.108	0	0	1	11	L
L PL.35567	PL.35568	B	6 A (CWC)	6.96Y	116.1	0.05	8.92	8.44	6	57	13	97	0.02	0.0	14.563	0.151	5	1	1	10	L
L PL.35566	PL.35567	B	6 A (CWC)	6.96Y	116.1	0.03	8.95	6.88	5	47	11	97	0.01	0.0	14.649	0.086	0	0	0	7	L
L PL.36017	PL.35566	B	6 A (CWC)	6.96Y	116.0	0.00	8.95	0.71	1	5	1	98	0.00	0.0	14.735	0.086	5	1	1	1	L
L PL.35565	PL.35566	B	6 A (CWC)	6.96Y	116.0	0.01	8.96	6.17	4	42	9	98	0.00	0.0	14.681	0.032	7	2	2	6	L
L PL.35569	PL.35565	B	6 A (CWC)	6.96Y	116.0	0.02	8.97	5.09	4	35	8	97	0.00	0.0	14.768	0.087	9	2	1	4	L
L PL.33689	PL.35569	B	6 A (CWC)	6.96Y	116.0	0.01	8.98	3.80	3	26	6	97	0.00	0.0	14.808	0.040	0	0	0	3	L
L PL.33690	PL.33689	B	6 A (CWC)	6.96Y	116.0	0.01	8.99	3.80	3	26	6	97	0.00	0.0	14.870	0.062	0	0	0	3	L

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PL.35564	PL.33690	B	#4 ACSR	6.96Y	116.0	0.01	9.00	3.80	3	26	6	97	0.00	0.0	14.953	0.083	11	3	2	3	L
L PL.34225	PL.35564	B	6 A (CWC)	6.96Y	116.0	0.02	9.02	2.12	2	14	3	98	0.00	0.0	15.157	0.203	0	0	0	1	L
L PL.34097	PL.34225	B	1/0 AL URD	6.96Y	116.0	0.00	9.03	2.12	1	14	3	98	0.00	0.0	15.254	0.097	14	3	1	1	L
L PL.35086	PL.35567	B	#4 ACSR	6.96Y	116.1	0.00	8.92	0.80	1	5	1	98	0.00	0.0	14.595	0.032	5	1	2	2	L
L PL.57532	PL.36250	B	#4 ACSR	6.97Y	116.2	0.00	8.83	0.63	0	4	1	97	0.00	0.0	14.444	0.140	4	1	1	1	L
L PL.36251	PL.59991	B	6 A (CWC)	7.00Y	116.7	0.07	8.29	7.66	5	52	12	97	0.03	0.1	13.044	0.202	3	1	1	9	L
L PL.36623	PL.36251	B	6 A (CWC)	7.00Y	116.7	0.05	8.34	7.22	5	49	12	97	0.02	0.0	13.188	0.144	0	0	0	8	L
L PL.36624	PL.36623	B	6 A (CWC)	7.00Y	116.6	0.07	8.41	7.22	5	49	12	97	0.03	0.1	13.400	0.212	0	0	0	8	L
L PL.37162	PL.36624	B	6 A (CWC)	6.99Y	116.5	0.06	8.47	7.22	5	49	12	97	0.02	0.1	13.595	0.195	0	0	0	8	L
L PL.33704	PL.37162	B	6 A (CWC)	6.99Y	116.5	0.00	8.48	0.86	1	6	1	99	0.00	0.0	13.752	0.157	6	1	1	1	L
L PL.37163	PL.37162	B	6 A (CWC)	6.99Y	116.5	0.02	8.49	6.37	5	43	10	97	0.01	0.0	13.671	0.075	0	0	0	7	L
L PL.65318	PL.37163	B	6 A (CWC)	6.99Y	116.4	0.07	8.57	6.37	5	43	10	97	0.03	0.1	13.927	0.256	0	0	0	7	L
L PL.65319	PL.65318	B	6 A (CWC)	6.98Y	116.4	0.04	8.61	6.37	5	43	10	97	0.02	0.0	14.081	0.154	0	0	0	7	L
L PL.36150	PL.65319	B	6 A (CWC)	6.98Y	116.4	0.03	8.64	6.37	5	43	10	97	0.01	0.0	14.193	0.112	0	0	0	7	L
L PL.36151	PL.36150	B	6 A (CWC)	6.98Y	116.3	0.04	8.68	6.37	5	43	10	97	0.01	0.0	14.318	0.124	0	0	0	7	L
L PL.34219	PL.36151	B	6 A (CWC)	6.98Y	116.3	0.01	8.69	6.37	5	43	10	97	0.00	0.0	14.365	0.047	0	0	0	7	L
L PL.35501	PL.34219	B	6 A (CWC)	6.96Y	116.1	0.25	8.95	6.37	5	43	10	97	0.09	0.2	15.246	0.882	0	0	0	7	L
L PL.36501	PL.35501	B	6 A (CWC)	6.96Y	116.1	0.00	8.95	6.37	5	43	10	97	0.00	0.0	15.247	0.001	0	0	0	7	L
L PD.5152	PL.36501	B	20QA	6.96Y	116.1	0.00	8.95	6.37	32	43	10	97	0.00	0.0	15.247	0.001	0	0	0	7	L
L PL.36502	PD.5152	B	6 A (CWC)	6.96Y	116.0	0.02	8.96	6.37	5	43	10	97	0.01	0.0	15.307	0.061	0	0	0	7	L
L PL.36499	PL.36502	B	6 A (CWC)	6.96Y	116.0	0.03	8.99	6.37	5	43	10	97	0.01	0.0	15.398	0.091	0	0	0	7	L
L PL.36503	PL.36499	B	6 A (CWC)	6.96Y	116.0	0.01	9.01	0.89	1	6	1	99	0.00	0.0	15.753	0.355	0	0	0	1	L
L PL.35041	PL.36503	B	6 A (CWC)	6.96Y	116.0	0.01	9.01	0.89	1	6	1	99	0.00	0.0	15.967	0.213	0	0	0	1	L
L PL.35042	PL.35041	B	6 A (CWC)	6.96Y	116.0	0.00	9.01	0.89	1	6	1	99	0.00	0.0	16.009	0.042	6	1	1	1	L
L PL.36500	PL.36499	B	6 A (CWC)	6.96Y	116.0	0.04	9.03	5.48	4	37	9	97	0.01	0.0	15.557	0.159	1	0	1	6	L
L PL.36224	PL.36500	B	6 A (CWC)	6.95Y	115.8	0.15	9.18	5.36	4	36	8	98	0.04	0.1	16.189	0.631	0	0	0	5	L
L PL.35997	PL.36224	B	6 A (CWC)	6.95Y	115.8	0.00	9.18	0.61	0	4	1	97	0.00	0.0	16.230	0.041	4	1	1	1	L
L PL.36225	PL.36224	B	6 A (CWC)	6.95Y	115.8	0.02	9.20	4.75	3	32	7	98	0.01	0.0	16.281	0.093	0	0	0	4	L
L PL.35004	PL.36225	B	6 A (CWC)	6.94Y	115.7	0.06	9.26	3.38	2	23	5	98	0.01	0.0	16.752	0.471	9	2	1	3	L
L PL.35998	PL.35004	B	6 A (CWC)	6.94Y	115.7	0.00	9.26	0.98	1	7	2	96	0.00	0.0	16.893	0.141	7	2	1	1	L
L PL.35047	PL.35004	B	6 A (CWC)	6.94Y	115.7	0.00	9.26	1.09	1	7	2	96	0.00	0.0	16.874	0.122	7	2	1	1	L

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PL.35934	PL.35047	B	6 A (CWC)	6.94Y	115.7	0.00	9.26	0.00	0	0	0	100	0.00	0.0	17.175	0.301	0	0	0	0	L
L PL.35265	PL.36225	B	#1/0 ACSR	6.95Y	115.8	0.00	9.20	1.37	1	9	2	98	0.00	0.0	16.420	0.139	9	2	1	1	L
PL.35015	PL.59488	B	6 A (CWC)	7.12Y	118.6	0.00	6.41	0.00	0	0	0	100	0.00	0.0	10.913	0.461	0	0	0	0	
PL.57341	PL.57342	B	6 A (CWC)	7.17Y	119.6	0.00	5.44	0.00	0	0	0	100	0.00	0.0	9.505	0.167	0	0	0	0	
PD.8279-A	PL.57341	B	Open	7.17Y	119.6	0.00	5.44	0.00	0	0	0	100	0.00	0.0	9.505	0.167	0	0	0	0	
PL.59614	PL.59618	B	6 A (CWC)	7.34Y	122.4	0.00	2.64	0.00	0	0	0	100	0.00	0.0	7.027	0.017	0	0	0	0	
PL.35502	PL.59614	B	6 A (CWC)	7.34Y	122.4	0.00	2.64	0.00	0	0	0	100	0.00	0.0	7.080	0.052	0	0	0	0	
PL.35503	PL.35502	B	6 A (CWC)	7.34Y	122.4	0.00	2.64	0.00	0	0	0	100	0.00	0.0	7.131	0.051	0	0	0	0	
PL.57086	PL.57085	C	#1/0 ACSR	7.42Y	123.6	0.00	1.38	4.64	2	33	8	97	0.00	0.0	5.908	0.004	0	0	0	4	
PD.8344	PL.57086	C	30QA	7.42Y	123.6	0.00	1.38	4.64	15	33	8	97	0.00	0.0	5.908	0.004	0	0	0	4	
PL.57084	PD.8344	C	#1/0 ACSR	7.42Y	123.6	0.00	1.39	4.64	2	33	8	97	0.00	0.0	5.960	0.051	9	2	1	4	
PL.57083	PL.57084	C	#4 ACSR	7.42Y	123.6	0.00	1.39	3.45	3	25	6	97	0.00	0.0	5.976	0.017	0	0	0	3	
PL.34779	PL.57083	C	#4 ACSR	7.42Y	123.6	0.00	1.39	0.86	1	6	1	99	0.00	0.0	6.097	0.121	6	1	1	1	
PL.57090	PL.57083	C	#4 ACSR	7.42Y	123.6	0.00	1.39	2.58	2	19	4	98	0.00	0.0	6.041	0.064	19	4	2	2	
PL.57087	PL.57085	A	#1/0 ACSR	7.42Y	123.6	0.00	1.38	2.30	1	17	4	97	0.00	0.0	5.909	0.004	0	0	0	2	
PD.8345	PL.57087	A	10QA	7.42Y	123.6	0.00	1.38	2.30	0	17	4	97	0.00	0.0	5.909	0.004	0	0	0	2	
PL.57088	PD.8345	A	#1/0 ACSR	7.42Y	123.6	0.00	1.38	2.30	1	17	4	97	0.00	0.0	5.927	0.018	0	0	0	2	
PL.57089	PL.57088	A	6 A (CWC)	7.42Y	123.6	0.00	1.39	2.30	2	17	4	97	0.00	0.0	5.969	0.042	17	4	2	2	
PL.56416	PL.62548	A	#1/0 ACSR	7.42Y	123.6	0.00	1.36	5.23	2	38	9	97	0.00	0.0	5.778	0.005	0	0	0	3	
PD.8343	PL.56416	A	40QA	7.42Y	123.6	0.00	1.36	5.23	13	38	9	97	0.00	0.0	5.778	0.005	0	0	0	3	
PL.56417	PD.8343	A	#1/0 ACSR	7.42Y	123.6	0.00	1.36	5.23	2	38	9	97	0.00	0.0	5.797	0.019	0	0	0	3	
PL.57082	PL.56417	A	#1/0 ACSR	7.42Y	123.6	0.00	1.36	0.00	0	0	0	100	0.00	0.0	6.019	0.223	0	0	0	0	
PL.57080	PL.56417	A	6 A (CWC)	7.42Y	123.6	0.00	1.37	1.69	1	12	3	97	0.00	0.0	5.832	0.035	12	3	1	1	
PL.57081	PL.56417	A	#1/0 ACSR	7.42Y	123.6	0.00	1.37	2.32	1	17	4	97	0.00	0.0	5.828	0.031	17	4	1	1	
PL.56418	PL.56417	A	6 A (CWC)	7.42Y	123.6	0.00	1.37	1.22	1	9	2	98	0.00	0.0	5.840	0.044	9	2	1	1	
PL.56412	PL.57079	C	#1/0 ACSR	7.43Y	123.8	0.00	1.25	1.82	1	13	3	97	0.00	0.0	5.186	0.011	0	0	0	2	
PL.57077	PL.56412	C	#4 ACSR	7.43Y	123.8	0.00	1.25	1.82	1	13	3	97	0.00	0.0	5.190	0.004	0	0	0	2	
PD.8342	PL.57077	C	10QA	7.43Y	123.8	0.00	1.25	1.82	0	13	3	97	0.00	0.0	5.190	0.004	0	0	0	2	
PL.57078	PD.8342	C	#4 ACSR	7.42Y	123.7	0.00	1.25	1.82	1	13	3	97	0.00	0.0	5.223	0.033	8	2	1	2	
PL.57076	PL.57078	C	#4 ACSR	7.42Y	123.7	0.00	1.25	0.77	1	6	1	99	0.00	0.0	5.286	0.063	6	1	1	1	
PL.57074	PL.57073	C	#1/0 ACSR	7.43Y	123.8	0.00	1.18	3.35	1	24	6	97	0.00	0.0	4.847	0.004	0	0	0	4	

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.8341	PL.57074	C	20QA	7.43Y	123.8	0.00	1.18	3.35	17	24	6	97	0.00	0.0	4.847	0.004	0	0	0	4
PL.57075	PD.8341	C	#1/0 ACSR	7.43Y	123.8	0.00	1.19	3.35	1	24	6	97	0.00	0.0	4.876	0.029	0	0	0	4
PL.57071	PL.57075	C	#2 ACSR	7.43Y	123.8	0.00	1.19	3.35	2	24	6	97	0.00	0.0	4.902	0.026	17	4	2	4
PL.51975	PL.57071	C	#1/0 ACSR	7.43Y	123.8	0.00	1.19	1.05	0	8	2	97	0.00	0.0	4.911	0.009	8	2	2	2
PL.57072	PL.57075	C	6 A (CWC)	7.43Y	123.8	0.00	1.19	0.00	0	0	0	100	0.00	0.0	4.942	0.066	0	0	0	0
PL.57064	PL.57063	A	#1/0 ACSR	7.43Y	123.9	0.00	1.12	0.00	0	0	0	100	0.00	0.0	4.565	0.006	0	0	0	0
PD.8339	PL.57064	A	10QA	7.43Y	123.9	0.00	1.12	0.00	0	0	0	100	0.00	0.0	4.565	0.006	0	0	0	0
PL.57065	PD.8339	A	#1/0 ACSR	7.43Y	123.9	0.00	1.12	0.00	0	0	0	100	0.00	0.0	4.583	0.017	0	0	0	0
PL.57221	PL.57220	A	#1/0 ACSR	7.44Y	124.0	0.00	1.02	5.40	2	39	9	97	0.00	0.0	4.101	0.005	0	0	0	9
PD.8270	PL.57221	A	25QA	7.44Y	124.0	0.00	1.02	5.40	22	39	9	97	0.00	0.0	4.101	0.005	0	0	0	9
PL.57222	PD.8270	A	#1/0 ACSR	7.44Y	124.0	0.01	1.03	5.40	2	39	9	97	0.00	0.0	4.181	0.079	0	0	0	9
PL.57219	PL.57222	A	6 A (CWC)	7.44Y	123.9	0.03	1.06	5.40	4	39	9	97	0.01	0.0	4.339	0.158	16	4	3	9
PL.57218	PL.57219	A	6 A (CWC)	7.44Y	123.9	0.01	1.07	3.24	2	23	5	98	0.00	0.0	4.376	0.037	3	1	1	6
PL.34716	PL.57218	A	6 A (CWC)	7.44Y	123.9	0.00	1.07	0.78	1	6	1	99	0.00	0.0	4.432	0.056	5	1	2	4
PL.34870	PL.34716	A	#1/0 ACSR	7.44Y	123.9	0.00	1.07	0.03	0	0	0	100	0.00	0.0	4.507	0.075	0	0	0	2
PL.34871	PL.34870	A	#1/0 ACSR	7.44Y	123.9	0.00	1.07	0.03	0	0	0	100	0.00	0.0	4.655	0.148	0	0	2	2
PL.34344	PL.34871	A	6 A (CWC)	7.44Y	123.9	0.00	1.07	0.00	0	0	0	100	0.00	0.0	4.936	0.282	0	0	0	0
PL.34345	PL.34344	A	6 A (CWC)	7.44Y	123.9	0.00	1.07	0.00	0	0	0	100	0.00	0.0	5.009	0.073	0	0	0	0
PL.34346	PL.34345	A	6 A (CWC)	7.44Y	123.9	0.00	1.07	0.00	0	0	0	100	0.00	0.0	5.154	0.144	0	0	0	0
PL.34429	PL.57218	A	6 A (CWC)	7.44Y	123.9	0.00	1.07	2.06	1	15	3	98	0.00	0.0	4.440	0.065	15	3	1	1
PL.61074	PL.57212	B	6 A (CWC)	7.44Y	124.1	0.00	0.93	1.58	1	11	3	96	0.00	0.0	3.716	0.003	0	0	0	1
PD.8901	PL.61074	B	50QA	7.44Y	124.1	0.00	0.93	1.58	3	11	3	96	0.00	0.0	3.716	0.003	0	0	0	1
PL.59941	PD.8901	B	6 A (CWC)	7.44Y	124.1	0.00	0.93	1.58	1	11	3	96	0.00	0.0	3.737	0.022	11	3	1	1
PL.57255	PL.57253	ABC	#2 ACSR	7.45Y	124.1	0.00	0.88	4.13	2	85	36	92	0.00	0.0	3.537	0.014	10	2	1	7
PL.57258	PL.57255	ABC	#2 ACSR	7.45Y	124.1	0.01	0.88	3.32	2	67	32	90	0.00	0.0	3.597	0.060	0	0	0	5
PL.57259	PL.57258	B	#2 ACSR	7.45Y	124.1	0.00	0.88	0.41	0	3	1	95	0.00	0.0	3.600	0.003	0	0	0	4
PD.8348	PL.57259	B	40QA	7.45Y	124.1	0.00	0.88	0.41	1	3	1	95	0.00	0.0	3.600	0.003	0	0	0	4
PL.57260	PD.8348	B	6 A (CWC)	7.45Y	124.1	0.00	0.88	0.41	0	3	1	95	0.00	0.0	3.641	0.041	3	1	4	4
PL.57261	PL.57258	ABC	#2 ACSR	7.45Y	124.1	0.01	0.89	3.18	2	64	31	90	0.00	0.0	3.674	0.077	0	0	0	1
PL.57262	PL.57261	ABC	#2 ACSR	7.45Y	124.1	0.00	0.89	3.18	2	64	31	90	0.00	0.0	3.767	0.093	64	31	1	1
PL.57256	PL.57255	B	#2 ACSR	7.45Y	124.1	0.00	0.88	1.09	1	8	2	97	0.00	0.0	3.540	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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.8347	PL.57256	B	40QA	7.45Y	124.1	0.00	0.88	1.09	3	8	2	97	0.00	0.0	3.540	0.002	0	0	0	1
PL.57257	PD.8347	B	#2 ACSR	7.45Y	124.1	0.00	0.88	1.09	1	8	2	97	0.00	0.0	3.580	0.041	8	2	1	1
PL.57204	PL.57201	C	6 A (CWC)	7.45Y	124.2	0.00	0.83	24.26	17	176	41	97	0.00	0.0	3.361	0.003	0	0	0	27
PD.8267	PL.57204	C	50QA	7.45Y	124.2	0.00	0.83	24.26	49	176	41	97	0.00	0.0	3.361	0.003	0	0	0	27
PL.57206	PD.8267	C	6 A (CWC)	7.45Y	124.1	0.08	0.90	24.26	17	176	41	97	0.10	0.1	3.431	0.071	0	0	0	27
PL.57203	PL.57206	C	6 A (CWC)	7.44Y	124.0	0.10	1.01	24.26	17	176	41	97	0.13	0.1	3.527	0.095	9	2	1	26
PL.35429	PL.57203	C	6 A (CWC)	7.44Y	124.0	0.03	1.04	23.00	16	167	39	97	0.04	0.0	3.559	0.033	11	3	1	25
PL.35428	PL.35429	C	6 A (CWC)	7.44Y	123.9	0.03	1.07	21.44	15	155	36	97	0.03	0.0	3.589	0.029	0	0	0	24
PL.35430	PL.35428	C	6 A (CWC)	7.44Y	123.9	0.00	1.07	5.00	4	36	8	98	0.00	0.0	3.616	0.027	23	5	4	5
PL.35431	PL.35430	C	6 A (CWC)	7.44Y	123.9	0.00	1.07	1.81	1	13	3	97	0.00	0.0	3.674	0.058	13	3	1	1
PL.35607	PL.35428	C	6 A (CWC)	7.43Y	123.9	0.03	1.10	16.44	12	119	28	97	0.02	0.0	3.627	0.038	6	1	1	19
PL.35427	PL.35607	C	6 A (CWC)	7.43Y	123.9	0.02	1.11	15.59	11	113	26	97	0.02	0.0	3.654	0.027	0	0	0	18
PL.34103	PL.35427	C	6 A (CWC)	7.43Y	123.9	0.02	1.13	10.23	7	74	17	97	0.01	0.0	3.701	0.047	25	6	2	12
PL.34790	PL.34103	C	6 A (CWC)	7.43Y	123.8	0.02	1.15	6.78	5	49	11	98	0.01	0.0	3.770	0.069	0	0	0	10
PL.35179	PL.34790	C	#2 ACSR	7.43Y	123.8	0.00	1.15	1.08	1	8	2	97	0.00	0.0	3.818	0.047	8	2	1	1
PL.35131	PL.34790	C	6 A (CWC)	7.43Y	123.8	0.02	1.17	5.70	4	41	10	97	0.00	0.0	3.832	0.062	0	0	0	9
PL.33657	PL.35131	C	#1/0 ACSR	7.43Y	123.8	0.00	1.17	0.00	0	0	0	100	0.00	0.0	3.930	0.098	0	0	0	0
PL.61789	PL.35131	C	6 A (CWC)	7.43Y	123.8	0.01	1.18	5.70	4	41	10	97	0.00	0.0	3.867	0.035	5	1	1	9
PL.61791	PL.61789	C	6 A (CWC)	7.43Y	123.8	0.02	1.20	5.04	4	36	8	98	0.01	0.0	3.979	0.112	2	0	1	8
PL.61792	PL.61791	C	6 A (CWC)	7.43Y	123.8	0.00	1.21	4.76	3	34	8	97	0.00	0.0	3.998	0.019	0	0	1	7
PL.61790	PL.61792	C	6 A (CWC)	7.43Y	123.8	0.01	1.21	4.76	3	34	8	97	0.00	0.0	4.030	0.033	14	3	2	6
PL.34788	PL.61790	C	#4 ACSR	7.43Y	123.8	0.00	1.21	2.22	2	16	4	97	0.00	0.0	4.061	0.031	16	4	2	2
PL.36509	PL.61790	C	6 A (CWC)	7.43Y	123.8	0.00	1.21	0.16	0	1	0	100	0.00	0.0	4.084	0.054	1	0	1	1
PL.35198	PL.61790	C	#4 ACSR	7.43Y	123.8	0.00	1.21	0.49	0	4	1	97	0.00	0.0	4.094	0.064	4	1	1	1
PL.59127	PL.35427	C	6 A (CWC)	7.43Y	123.9	0.01	1.12	5.36	4	39	9	97	0.00	0.0	3.700	0.046	21	5	3	6
PL.59126	PL.59127	C	#2 ACSR	7.43Y	123.9	0.00	1.12	1.09	1	8	2	97	0.00	0.0	3.738	0.038	8	2	2	2
PL.59184	PL.59127	C	6 A (CWC)	7.43Y	123.9	0.00	1.12	1.31	1	9	2	98	0.00	0.0	3.781	0.081	9	2	1	1
PL.57205	PL.57206	C	6 A (CWC)	7.45Y	124.1	0.00	0.90	0.00	0	0	0	100	0.00	0.0	3.486	0.055	0	0	1	1
PL.57199	PL.57198	ABC	#1/0 ACSR	7.45Y	124.2	0.01	0.77	26.28	11	572	134	97	0.02	0.0	3.209	0.013	0	0	0	76
PL.60606	PL.57199	ABC	#1/0 ACSR	7.45Y	124.2	0.02	0.78	25.89	11	564	132	97	0.07	0.0	3.248	0.039	0	0	0	75
PD.9049	PL.60606	ABC	50L	7.45Y	124.2	0.00	0.78	25.89	52	564	132	97	0.00	0.0	3.248	0.039	0	0	0	75

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: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.60607	PD.9049	ABC	#1/0 ACSR	7.45Y	124.1	0.10	0.89	25.89	11	564	132	97	0.41	0.1	3.475	0.227	0	0	0	75
PL.33994	PL.60607	ABC	#1/0 ACSR	7.45Y	124.1	0.03	0.92	24.80	11	539	126	97	0.11	0.0	3.540	0.065	3	1	1	72
PL.72985	PL.33994	ABC	#1/0 ACSR	7.44Y	124.0	0.04	0.96	24.65	11	536	125	97	0.16	0.0	3.639	0.099	0	0	0	71
PL.72986	PL.72985	ABC	#1/0 ACSR	7.44Y	124.0	0.00	0.96	24.65	11	536	125	97	0.00	0.0	3.640	0.001	5	1	1	71
PL.61976	PL.72986	ABC	#1/0 ACSR	7.44Y	124.0	0.05	1.01	24.40	11	531	124	97	0.19	0.0	3.763	0.123	0	0	0	70
PL.61978	PL.61976	A	#1/0 ACSR	7.44Y	124.0	0.00	1.01	1.69	1	12	3	97	0.00	0.0	3.766	0.003	0	0	0	1
PD.9256	PL.61978	A	25T	7.44Y	124.0	0.00	1.01	1.69	0	12	3	97	0.00	0.0	3.766	0.003	0	0	0	1
PL.61979	PD.9256	A	#1/0 ACSR	7.44Y	124.0	0.00	1.01	1.69	1	12	3	97	0.00	0.0	3.778	0.012	12	3	1	1
PL.61977	PL.61976	ABC	#1/0 ACSR	7.44Y	124.0	0.03	1.04	23.84	10	518	121	97	0.10	0.0	3.828	0.066	0	0	0	69
PL.34673	PL.61977	ABC	#1/0 ACSR	7.44Y	123.9	0.03	1.07	22.51	10	489	114	97	0.11	0.0	3.910	0.082	0	0	0	64
PL.34534	PL.34673	B	#4 ACSR	7.44Y	123.9	0.00	1.07	2.12	2	15	4	97	0.00	0.0	3.912	0.002	0	0	0	2
PD.5204	PL.34534	B	40QA	7.44Y	123.9	0.00	1.07	2.12	5	15	4	97	0.00	0.0	3.912	0.002	0	0	0	2
PL.34535	PD.5204	B	#4 ACSR	7.44Y	123.9	0.00	1.07	2.12	2	15	4	97	0.00	0.0	3.941	0.029	15	4	2	2
PL.34674	PL.34673	ABC	#1/0 ACSR	7.43Y	123.9	0.02	1.09	21.13	9	459	107	97	0.06	0.0	3.964	0.055	0	0	0	61
PL.34536	PL.34674	B	#2 ACSR	7.43Y	123.9	0.00	1.09	1.55	1	11	3	96	0.00	0.0	3.966	0.001	0	0	0	1
PD.5689	PL.34536	B	40QA	7.43Y	123.9	0.00	1.09	1.55	4	11	3	96	0.00	0.0	3.966	0.001	0	0	0	1
PL.34537	PD.5689	B	#2 ACSR	7.43Y	123.9	0.00	1.09	1.55	1	11	3	96	0.00	0.0	3.994	0.029	11	3	1	1
PL.34675	PL.34674	ABC	#1/0 ACSR	7.43Y	123.9	0.03	1.12	20.61	9	448	104	97	0.09	0.0	4.040	0.075	0	0	0	60
PL.37073	PL.34675	B	#1/0 ACSR	7.43Y	123.9	0.00	1.12	5.37	2	39	9	97	0.00	0.0	4.041	0.001	0	0	0	5
PD.5100	PL.37073	B	40QA	7.43Y	123.9	0.00	1.12	5.37	13	39	9	97	0.00	0.0	4.041	0.001	0	0	0	5
PL.37074	PD.5100	B	#1/0 ACSR	7.43Y	123.9	0.01	1.13	5.37	2	39	9	97	0.00	0.0	4.084	0.043	0	0	0	5
PL.34452	PL.37074	B	#1/0 ACSR	7.43Y	123.9	0.00	1.13	0.00	0	0	0	100	0.00	0.0	4.113	0.029	0	0	0	0
PL.34789	PL.37074	B	#1/0 ACSR	7.43Y	123.9	0.00	1.13	5.37	2	39	9	97	0.00	0.0	4.110	0.026	19	5	3	5
PL.34039	PL.34789	B	#4 ACSR	7.43Y	123.9	0.00	1.13	1.12	1	8	2	97	0.00	0.0	4.159	0.049	8	2	1	1
PL.36143	PL.34789	B	#1/0 ACSR	7.43Y	123.9	0.00	1.13	1.58	1	11	3	96	0.00	0.0	4.198	0.088	11	3	1	1
PL.35255	PL.34675	C	#2 ACSR	7.43Y	123.9	0.00	1.12	1.10	1	8	2	97	0.00	0.0	4.074	0.034	8	2	1	1
PL.36322	PL.34675	ABC	#1/0 ACSR	7.43Y	123.9	0.01	1.13	18.45	8	401	93	97	0.04	0.0	4.084	0.044	0	0	0	54
PL.36323	PL.36322	ABC	#1/0 ACSR	7.43Y	123.9	0.01	1.14	16.69	7	362	84	97	0.02	0.0	4.109	0.026	0	0	0	50
PL.34002	PL.36323	ABC	#1/0 ACSR	7.43Y	123.8	0.01	1.16	15.53	7	337	79	97	0.03	0.0	4.163	0.053	10	2	1	48
PL.35655	PL.34002	ABC	#1/0 ACSR	7.43Y	123.8	0.01	1.16	10.88	5	236	55	97	0.01	0.0	4.194	0.031	0	0	0	35
PL.34975	PL.35655	C	#2 ACSR	7.43Y	123.8	0.00	1.16	0.95	1	7	2	96	0.00	0.0	4.195	0.001	0	0	0	1

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.5737	PL.34975	C	40QA	7.43Y	123.8	0.00	1.16	0.95	2	7	2	96	0.00	0.0	4.195	0.001	0	0	0	1
PL.34976	PD.5737	C	#2 ACSR	7.43Y	123.8	0.00	1.16	0.95	1	7	2	96	0.00	0.0	4.229	0.034	7	2	1	1
PL.52349	PL.35655	ABC	#1/0 ACSR	7.43Y	123.8	0.01	1.17	10.56	5	229	53	97	0.01	0.0	4.228	0.034	14	3	2	34
PL.52350	PL.52349	ABC	#1/0 ACSR	7.43Y	123.8	0.01	1.18	9.93	4	216	50	97	0.02	0.0	4.310	0.082	14	3	2	32
PL.36446	PL.52350	B	#4 ACSR	7.43Y	123.8	0.00	1.18	11.93	9	86	20	97	0.00	0.0	4.310	0.000	0	0	0	14
PD.5173	PL.36446	B	40QA	7.43Y	123.8	0.00	1.18	11.93	30	86	20	97	0.00	0.0	4.310	0.000	0	0	0	14
PL.36447	PD.5173	B	#4 ACSR	7.42Y	123.7	0.10	1.28	11.93	9	86	20	97	0.06	0.1	4.509	0.198	14	3	2	14
PL.36689	PL.36447	B	#4 ACSR	7.42Y	123.7	0.03	1.31	9.99	8	72	17	97	0.01	0.0	4.571	0.062	1	0	1	12
PL.36690	PL.36689	B	#4 ACSR	7.42Y	123.7	0.02	1.32	9.92	8	72	17	97	0.01	0.0	4.615	0.044	29	7	3	11
PL.36688	PL.36690	B	6 A (CWC)	7.42Y	123.6	0.03	1.35	5.93	4	43	10	97	0.01	0.0	4.726	0.111	3	1	1	8
PL.35176	PL.36688	B	#4 ACSR	7.42Y	123.6	0.03	1.38	5.52	4	40	9	98	0.01	0.0	4.838	0.112	0	0	1	7
PL.33331	PL.35176	B	6 A (CWC)	7.42Y	123.6	0.01	1.38	2.05	1	15	3	98	0.00	0.0	4.979	0.141	15	3	3	3
PL.36384	PL.35176	B	#4 ACSR	7.42Y	123.6	0.01	1.39	3.47	3	25	6	97	0.00	0.0	4.922	0.084	0	0	0	3
PL.34520	PL.36384	B	#4 ACSR	7.42Y	123.6	0.00	1.39	1.15	1	8	2	97	0.00	0.0	4.957	0.034	8	2	1	1
PL.36385	PL.36384	B	#4 ACSR	7.42Y	123.6	0.01	1.40	2.32	2	17	4	97	0.00	0.0	5.043	0.121	8	2	1	2
PL.33412	PL.36385	B	#4 ACSR	7.42Y	123.6	0.00	1.40	1.22	1	9	2	98	0.00	0.0	5.208	0.165	9	2	1	1
PL.36448	PL.52350	B	#4 ACSR	7.43Y	123.8	0.00	1.18	15.94	12	115	27	97	0.00	0.0	4.310	0.001	0	0	0	16
PD.5207	PL.36448	B	30T	7.43Y	123.8	0.00	1.18	15.94	0	115	27	97	0.00	0.0	4.310	0.001	0	0	0	16
PL.36449	PD.5207	B	#4 ACSR	7.43Y	123.8	0.01	1.20	15.94	12	115	27	97	0.01	0.0	4.331	0.021	7	2	1	16
PL.35656	PL.36449	B	#4 ACSR	7.43Y	123.8	0.04	1.24	14.93	11	108	25	97	0.03	0.0	4.397	0.066	14	3	2	15
PL.35092	PL.35656	B	#4 ACSR	7.42Y	123.7	0.02	1.26	5.89	5	43	10	97	0.01	0.0	4.477	0.081	0	0	0	5
PL.35090	PL.35092	B	#2 ACSR	7.42Y	123.7	0.00	1.26	1.05	1	8	2	97	0.00	0.0	4.546	0.069	8	2	1	1
PL.35091	PL.35090	B	#2 ACSR	7.42Y	123.7	0.00	1.26	0.00	0	0	0	100	0.00	0.0	4.584	0.038	0	0	0	0
PL.35093	PL.35092	B	#4 ACSR	7.42Y	123.7	0.00	1.26	4.85	4	35	8	97	0.00	0.0	4.492	0.014	20	5	2	4
PL.34371	PL.35093	B	#4 ACSR	7.42Y	123.7	0.00	1.26	2.08	2	15	3	98	0.00	0.0	4.555	0.063	11	3	1	2
PL.34372	PL.34371	B	#4 ACSR	7.42Y	123.7	0.00	1.27	0.51	0	4	1	97	0.00	0.0	4.632	0.078	4	1	1	1
PL.36141	PL.35656	B	#4 ACSR	7.42Y	123.7	0.02	1.26	4.91	4	35	8	97	0.00	0.0	4.513	0.117	14	3	2	4
PL.36142	PL.36141	B	#4 ACSR	7.42Y	123.7	0.00	1.26	2.24	2	16	4	97	0.00	0.0	4.555	0.041	16	4	1	1
PL.34760	PL.36141	B	#4 ACSR	7.42Y	123.7	0.00	1.26	0.70	1	5	1	98	0.00	0.0	4.613	0.099	5	1	1	1
PL.35657	PL.35656	B	#4 ACSR	7.43Y	123.8	0.00	1.24	2.13	2	15	4	97	0.00	0.0	4.413	0.016	1	0	1	4
PL.33758	PL.35657	B	#4 ACSR	7.43Y	123.8	0.01	1.25	2.04	2	15	3	98	0.00	0.0	4.505	0.093	7	2	1	3

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.36386	PL.33758	B	#4 ACSR	7.43Y	123.8	0.00	1.25	1.07	1	8	2	97	0.00	0.0	4.563	0.058	5	1	1	2
PL.36387	PL.36386	B	#4 ACSR	7.43Y	123.8	0.00	1.25	0.34	0	2	1	89	0.00	0.0	4.624	0.060	2	1	1	1
PL.34636	PL.35655	A	#2 ACSR	7.43Y	123.8	0.00	1.16	0.00	0	0	0	100	0.00	0.0	4.195	0.001	0	0	0	0
PD.5205	PL.34636	A	40QA	7.43Y	123.8	0.00	1.16	0.00	0	0	0	100	0.00	0.0	4.195	0.001	0	0	0	0
PL.34637	PD.5205	A	#2 ACSR	7.43Y	123.8	0.00	1.16	0.00	0	0	0	100	0.00	0.0	4.246	0.051	0	0	0	0
PL.34499	PL.34002	B	#4 ACSR	7.43Y	123.8	0.00	1.16	12.63	10	91	21	97	0.00	0.0	4.164	0.002	0	0	0	12
PD.5206	PL.34499	B	40QA	7.43Y	123.8	0.00	1.16	12.63	32	91	21	97	0.00	0.0	4.164	0.002	0	0	0	12
PL.36516	PD.5206	B	#4 ACSR	7.43Y	123.8	0.03	1.19	12.63	10	91	21	97	0.02	0.0	4.229	0.065	9	2	2	12
PL.35605	PL.36516	B	#4 ACSR	7.43Y	123.8	0.02	1.21	11.32	9	82	19	97	0.01	0.0	4.276	0.047	12	3	1	10
PL.35604	PL.35605	B	#4 ACSR	7.43Y	123.8	0.02	1.23	8.86	7	64	15	97	0.01	0.0	4.330	0.054	0	0	0	8
PL.35299	PL.35604	B	#4 ACSR	7.43Y	123.8	0.01	1.25	8.86	7	64	15	97	0.01	0.0	4.365	0.035	14	3	2	8
PL.35606	PL.35299	B	#4 ACSR	7.42Y	123.7	0.02	1.27	6.94	5	50	12	97	0.01	0.0	4.443	0.078	0	0	0	6
PL.34373	PL.35606	B	#4 ACSR	7.42Y	123.7	0.01	1.28	5.46	4	39	9	97	0.00	0.0	4.495	0.052	7	2	1	5
PL.36382	PL.34373	B	#4 ACSR	7.42Y	123.7	0.01	1.29	4.44	3	32	7	98	0.00	0.0	4.577	0.082	22	5	2	4
PL.34350	PL.36382	B	#1/0 ACSR	7.42Y	123.7	0.00	1.29	0.00	0	0	0	100	0.00	0.0	4.606	0.030	0	0	0	0
PL.36383	PL.36382	B	#4 ACSR	7.42Y	123.7	0.00	1.29	1.39	1	10	2	98	0.00	0.0	4.625	0.049	10	2	2	2
PL.37142	PL.35606	B	#4 ACSR	7.42Y	123.7	0.01	1.28	1.48	1	11	2	98	0.00	0.0	4.521	0.078	0	0	0	1
PL.61986	PL.37142	B	#4 ACSR	7.42Y	123.7	0.00	1.28	1.48	1	11	2	98	0.00	0.0	4.673	0.152	11	2	1	1
PL.34889	PL.37142	B	#4 ACSR	7.42Y	123.7	0.00	1.28	0.00	0	0	0	100	0.00	0.0	4.579	0.058	0	0	0	0
PL.52376	PL.35605	B	#4 ACSR	7.43Y	123.8	0.00	1.21	0.75	1	5	1	98	0.00	0.0	4.312	0.037	5	1	1	1
PL.33995	PL.36323	B	#2 ACSR	7.43Y	123.9	0.00	1.14	3.47	2	25	6	97	0.00	0.0	4.110	0.001	0	0	0	2
PD.5099	PL.33995	B	40QA	7.43Y	123.9	0.00	1.14	3.47	9	25	6	97	0.00	0.0	4.110	0.001	0	0	0	2
PL.36515	PD.5099	B	#2 ACSR	7.43Y	123.9	0.00	1.15	3.47	2	25	6	97	0.00	0.0	4.166	0.056	25	6	2	2
PL.36324	PL.36322	B	#2 ACSR	7.43Y	123.9	0.00	1.13	5.30	3	38	9	97	0.00	0.0	4.084	0.001	0	0	0	4
PD.5738	PL.36324	B	40QA	7.43Y	123.9	0.00	1.13	5.30	13	38	9	97	0.00	0.0	4.084	0.001	0	0	0	4
PL.36325	PD.5738	B	#2 ACSR	7.43Y	123.9	0.00	1.14	5.30	3	38	9	97	0.00	0.0	4.130	0.045	38	9	4	4
PL.35268	PL.34673	B	#4 ACSR	7.44Y	123.9	0.00	1.07	2.02	2	15	3	98	0.00	0.0	3.911	0.001	0	0	0	1
PD.5101	PL.35268	B	40QA	7.44Y	123.9	0.00	1.07	2.02	5	15	3	98	0.00	0.0	3.911	0.001	0	0	0	1
PL.34532	PD.5101	B	#4 ACSR	7.44Y	123.9	0.00	1.07	2.02	2	15	3	98	0.00	0.0	3.959	0.047	15	3	1	1
PL.34679	PL.61977	B	#4 ACSR	7.44Y	124.0	0.00	1.04	0.52	0	4	1	97	0.00	0.0	3.829	0.000	0	0	0	1
PD.5776	PL.34679	B	40QA	7.44Y	124.0	0.00	1.04	0.52	1	4	1	97	0.00	0.0	3.829	0.000	0	0	0	1

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

Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.34680	PD.5776	B	#4 ACSR	7.44Y	124.0	0.00	1.04	0.52	0	4	1	97	0.00	0.0	3.843	0.014	4	1	1	1
PL.34620	PL.61977	B	#4 ACSR	7.44Y	124.0	0.00	1.04	3.48	3	25	6	97	0.00	0.0	3.829	0.000	0	0	0	4
PD.5796	PL.34620	B	40QA	7.44Y	124.0	0.00	1.04	3.48	9	25	6	97	0.00	0.0	3.829	0.000	0	0	0	4
PL.34621	PD.5796	B	#4 ACSR	7.44Y	124.0	0.00	1.04	3.48	3	25	6	97	0.00	0.0	3.836	0.007	0	0	0	4
PL.34676	PL.34621	B	#4 ACSR	7.44Y	123.9	0.01	1.05	3.48	3	25	6	97	0.00	0.0	3.934	0.098	7	2	1	4
PL.34878	PL.34676	B	#4 ACSR	7.44Y	123.9	0.01	1.06	2.50	2	18	4	98	0.00	0.0	4.015	0.081	9	2	2	3
PL.34879	PL.34878	B	#4 ACSR	7.44Y	123.9	0.00	1.06	1.29	1	9	2	98	0.00	0.0	4.082	0.066	9	2	1	1
PL.36555	PL.60607	B	#2 ACSR	7.45Y	124.1	0.00	0.89	3.27	2	24	6	97	0.00	0.0	3.521	0.045	19	4	2	3
PL.36556	PL.36555	B	#2 ACSR	7.45Y	124.1	0.00	0.89	0.71	0	5	1	98	0.00	0.0	3.606	0.086	5	1	1	1
PL.57195	PL.57199	C	#4 ACSR	7.45Y	124.2	0.00	0.77	1.18	1	9	2	98	0.00	0.0	3.212	0.003	0	0	0	1
PD.8266	PL.57195	C	40QA	7.45Y	124.2	0.00	0.77	1.18	3	9	2	98	0.00	0.0	3.212	0.003	0	0	0	1
PL.57196	PD.8266	C	#4 ACSR	7.45Y	124.2	0.00	0.77	1.18	1	9	2	98	0.00	0.0	3.234	0.022	9	2	1	1
PL.57194	PL.57196	C	#4 ACSR	7.45Y	124.2	0.00	0.77	0.00	0	0	0	100	0.00	0.0	3.290	0.056	0	0	0	0
PL.52168	PL.52167	C	#2 ACSR	7.47Y	124.4	0.00	0.57	1.23	1	9	2	98	0.00	0.0	3.061	0.001	0	0	0	1
PD.8031	PL.52168	C	10QA	7.47Y	124.4	0.00	0.57	1.23	0	9	2	98	0.00	0.0	3.061	0.001	0	0	0	1
PL.54953	PD.8031	C	#2 ACSR	7.47Y	124.4	0.00	0.57	1.23	1	9	2	98	0.00	0.0	3.086	0.025	9	2	1	1
CP.54	PL.35164	ABC	Cap (300)	7.47Y	124.5	0.00	0.52	0.00	0	0	0	100	0.00	0.0	3.037	0.025	0	0	0	0
PL.35259	PL.36676	ABC	636 SPACER	7.48Y	124.6	0.00	0.36	2.10	0	42	21	89	0.00	0.0	2.965	0.001	0	0	0	1
PD.5149	PL.35259	ABC	75QA	7.48Y	124.6	0.00	0.36	2.10	3	42	21	89	0.00	0.0	2.965	0.001	0	0	0	1
PL.35260	PD.5149	ABC	636 SPACER	7.48Y	124.6	0.00	0.36	2.10	0	42	21	89	0.00	0.0	3.034	0.069	42	21	1	1
PL.36215	PL.34617	C	#2 ACSR	7.13Y	118.9	0.00	6.15	0.67	0	5	1	98	0.00	0.0	2.767	0.001	0	0	0	1
PD.5708	PL.36215	C	40QA	7.13Y	118.9	0.00	6.15	0.67	2	5	1	98	0.00	0.0	2.767	0.001	0	0	0	1
PL.36216	PD.5708	C	#2 ACSR	7.13Y	118.9	0.00	6.15	0.67	0	5	1	98	0.00	0.0	2.803	0.036	5	1	1	1
PL.35906	PL.57638	C	6 A (CWC)	7.14Y	119.0	0.00	5.97	5.39	4	37	9	97	0.00	0.0	2.695	0.001	0	0	0	4
PD.5773	PL.35906	C	75QA	7.14Y	119.0	0.00	5.97	5.39	7	37	9	97	0.00	0.0	2.695	0.001	0	0	0	4
PL.35907	PD.5773	C	6 A (CWC)	7.14Y	119.0	0.01	5.98	5.39	4	37	9	97	0.00	0.0	2.740	0.045	37	9	4	4
PL.57640	PL.57686	A	6 A (CWC)	7.15Y	119.2	0.00	5.82	5.35	4	37	9	97	0.00	0.0	2.631	0.002	0	0	0	3
PD.8393	PL.57640	A	75QA	7.15Y	119.2	0.00	5.82	5.35	7	37	9	97	0.00	0.0	2.631	0.002	0	0	0	3
PL.57641	PD.8393	A	6 A (CWC)	7.15Y	119.2	0.00	5.82	5.35	4	37	9	97	0.00	0.0	2.654	0.023	26	6	2	3
PL.57639	PL.57641	A	6 A (CWC)	7.15Y	119.2	0.00	5.83	1.63	1	11	3	96	0.00	0.0	2.728	0.074	11	3	1	1
PL.54097	PL.54094	A	6 A (CWC)	7.16Y	119.4	0.00	5.63	9.42	7	66	15	98	0.00	0.0	2.551	0.000	0	0	0	8

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

Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.8119	PL.54097	A	20T	7.16Y	119.4	0.00	5.63	9.42	0	66	15	98	0.00	0.0	2.551	0.000	0	0	0	8
PL.54098	PD.8119	A	6 A (CWC)	7.16Y	119.4	0.01	5.64	6.75	5	47	11	97	0.00	0.0	2.595	0.045	6	1	1	5
PL.54096	PL.54098	A	6 A (CWC)	7.16Y	119.4	0.01	5.65	5.83	4	41	9	98	0.00	0.0	2.630	0.035	30	7	3	4
PL.36496	PL.54096	A	6 A (CWC)	7.16Y	119.3	0.00	5.65	1.53	1	11	2	98	0.00	0.0	2.660	0.030	11	2	1	1
PL.54099	PD.8119	A	#2 ACSR	7.16Y	119.4	0.00	5.63	2.67	2	19	4	98	0.00	0.0	2.568	0.018	10	2	2	3
PL.54095	PL.54099	A	#2 ACSR	7.16Y	119.4	0.00	5.63	1.25	1	9	2	98	0.00	0.0	2.600	0.032	9	2	1	1
PL.35750	PL.35759	C	6 A (CWC)	7.18Y	119.6	0.00	5.37	1.35	1	9	2	98	0.00	0.0	2.445	0.001	0	0	0	1
PD.5795	PL.35750	C	75QA	7.18Y	119.6	0.00	5.37	1.35	2	9	2	98	0.00	0.0	2.445	0.001	0	0	0	1
PL.35751	PD.5795	C	6 A (CWC)	7.18Y	119.6	0.00	5.37	1.35	1	9	2	98	0.00	0.0	2.508	0.063	9	2	1	1
PL.34926	PL.35759	ABC	6 A (CWC)	7.18Y	119.6	0.00	5.37	0.00	0	0	0	100	0.00	0.0	2.467	0.024	0	0	0	0
PL.35752	PL.35759	A	6 A (CWC)	7.18Y	119.6	0.00	5.37	3.12	2	22	5	98	0.00	0.0	2.445	0.001	0	0	0	3
PD.5757	PL.35752	A	75QA	7.18Y	119.6	0.00	5.37	3.12	4	22	5	98	0.00	0.0	2.445	0.001	0	0	0	3
PL.35753	PD.5757	A	6 A (CWC)	7.18Y	119.6	0.00	5.37	3.12	2	22	5	98	0.00	0.0	2.472	0.027	0	0	0	3
PL.52169	PL.35753	A	6 A (CWC)	7.18Y	119.6	0.00	5.37	3.12	2	22	5	98	0.00	0.0	2.491	0.019	22	5	3	3
PL.33825	PL.35758	C	#4 ACSR	7.19Y	119.9	0.00	5.12	4.46	3	31	7	98	0.00	0.0	2.343	0.001	0	0	0	4
PD.5117	PL.33825	C	75QA	7.19Y	119.9	0.00	5.12	4.46	6	31	7	98	0.00	0.0	2.343	0.001	0	0	0	4
PL.35978	PD.5117	C	#4 ACSR	7.19Y	119.9	0.00	5.12	4.46	3	31	7	98	0.00	0.0	2.363	0.020	23	5	3	4
PL.35757	PL.35978	C	#4 ACSR	7.19Y	119.9	0.00	5.12	1.18	1	8	2	97	0.00	0.0	2.415	0.052	8	2	1	1
PL.33858	PL.35760	C	6 A (CWC)	7.22Y	120.4	0.00	4.64	3.97	3	28	6	98	0.00	0.0	2.158	0.002	0	0	0	5
PD.5116	PL.33858	C	75QA	7.22Y	120.4	0.00	4.64	3.97	5	28	6	98	0.00	0.0	2.158	0.002	0	0	0	5
PL.33859	PD.5116	C	6 A (CWC)	7.22Y	120.3	0.03	4.67	3.97	3	28	6	98	0.01	0.0	2.344	0.187	1	0	1	5
PL.33552	PL.33859	C	6 A (CWC)	7.22Y	120.3	0.00	4.68	1.61	1	11	3	96	0.00	0.0	2.391	0.047	11	3	1	1
PL.35754	PL.33859	C	6 A (CWC)	7.22Y	120.3	0.01	4.68	2.23	2	16	4	97	0.00	0.0	2.443	0.099	7	2	1	3
PL.35755	PL.35754	C	6 A (CWC)	7.22Y	120.3	0.00	4.68	1.17	1	8	2	97	0.00	0.0	2.468	0.025	0	0	0	2
PL.36465	PL.35755	C	6 A (CWC)	7.22Y	120.3	0.00	4.69	1.17	1	8	2	97	0.00	0.0	2.537	0.070	0	0	0	2
PL.36466	PL.36465	C	6 A (CWC)	7.22Y	120.3	0.01	4.69	1.17	1	8	2	97	0.00	0.0	2.638	0.101	0	0	0	2
PL.36467	PL.36466	C	6 A (CWC)	7.22Y	120.3	0.00	4.69	1.17	1	8	2	97	0.00	0.0	2.661	0.023	0	0	1	2
PL.36468	PL.36467	C	6 A (CWC)	7.22Y	120.3	0.00	4.69	1.10	1	8	2	97	0.00	0.0	2.706	0.045	8	2	1	1
PL.33973	PL.35760	ABC	#2 ACSR	7.22Y	120.4	0.00	4.64	0.37	0	8	2	97	0.00	0.0	2.158	0.002	0	0	0	2
PD.5179	PL.33973	ABC	25QA	7.22Y	120.4	0.00	4.64	0.37	1	8	2	97	0.00	0.0	2.158	0.002	0	0	0	2
PL.33857	PD.5179	ABC	#2 ACSR	7.22Y	120.4	0.00	4.64	0.37	0	8	2	97	0.00	0.0	2.184	0.026	8	2	1	2

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

Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.35763	PL.33857	ABC	#2 ACSR	7.22Y	120.4	0.00	4.64	0.00	0	0	0	100	0.00	0.0	2.215	0.031	0	0	1	1
PL.35764	PL.35763	ABC	#2 ACSR	7.22Y	120.4	0.00	4.64	0.00	0	0	0	100	0.00	0.0	2.316	0.101	0	0	0	0
PL.34649	PL.35763	A	#2 ACSR	7.22Y	120.4	0.00	4.64	0.00	0	0	0	100	0.00	0.0	2.216	0.001	0	0	0	0
PD.5178	PL.34649	A	40QA	7.22Y	120.4	0.00	4.64	0.00	0	0	0	100	0.00	0.0	2.216	0.001	0	0	0	0
PL.35845	PD.5178	A	#2 ACSR	7.22Y	120.4	0.00	4.64	0.00	0	0	0	100	0.00	0.0	2.254	0.038	0	0	0	0
PL.33968	PL.33966	A	#4 ACSR	7.24Y	120.7	0.00	4.34	1.50	1	11	2	98	0.00	0.0	2.043	0.001	0	0	0	1
PD.5027	PL.33968	A	75QA	7.24Y	120.7	0.00	4.34	1.50	2	11	2	98	0.00	0.0	2.043	0.001	0	0	0	1
PL.52172	PD.5027	A	#4 ACSR	7.24Y	120.7	0.00	4.35	1.50	1	11	2	98	0.00	0.0	2.104	0.061	11	2	1	1
PL.35080	PL.33966	ABC	#4 ACSR	7.24Y	120.7	0.00	4.34	1.40	1	30	7	97	0.00	0.0	2.069	0.026	22	5	3	4
PL.33864	PL.35080	ABC	#4 ACSR	7.24Y	120.7	0.00	4.34	0.38	0	8	2	97	0.00	0.0	2.099	0.030	8	2	1	1
PL.36558	PL.52173	C	6 A (CWC)	7.25Y	120.9	0.00	4.15	9.81	7	69	16	97	0.00	0.0	1.970	0.001	0	0	0	9
PD.5756	PL.36558	C	75QA	7.25Y	120.9	0.00	4.15	9.81	13	69	16	97	0.00	0.0	1.970	0.001	0	0	0	9
PL.52533	PD.5756	C	6 A (CWC)	7.25Y	120.8	0.03	4.17	9.81	7	69	16	97	0.01	0.0	2.044	0.074	27	6	3	9
PL.52534	PL.52533	C	6 A (CWC)	7.25Y	120.8	0.01	4.19	6.01	4	42	10	97	0.00	0.0	2.102	0.058	16	4	3	6
PL.52535	PL.52534	C	6 A (CWC)	7.25Y	120.8	0.01	4.19	3.68	3	26	6	97	0.00	0.0	2.173	0.071	22	5	2	3
PL.52536	PL.52535	C	6 A (CWC)	7.25Y	120.8	0.00	4.19	0.52	0	4	1	97	0.00	0.0	2.202	0.029	4	1	1	1
PL.36409	PL.52173	A	#4 ACSR	7.25Y	120.9	0.00	4.15	2.05	2	15	3	98	0.00	0.0	1.970	0.001	0	0	0	2
PD.5026	PL.36409	A	75QA	7.25Y	120.9	0.00	4.15	2.05	3	15	3	98	0.00	0.0	1.970	0.001	0	0	0	2
PL.36410	PD.5026	A	#4 ACSR	7.25Y	120.9	0.00	4.15	2.05	2	15	3	98	0.00	0.0	2.017	0.047	8	2	1	2
PL.36557	PL.36410	A	#4 ACSR	7.25Y	120.8	0.00	4.15	0.93	1	7	2	96	0.00	0.0	2.095	0.077	7	2	1	1
PL.52176	PL.52174	A	6 A (CWC)	7.26Y	121.0	0.00	3.95	2.34	2	17	4	97	0.00	0.0	1.900	0.002	0	0	0	3
PD.5794	PL.52176	A	75QA	7.26Y	121.0	0.00	3.95	2.34	3	17	4	97	0.00	0.0	1.900	0.002	0	0	0	3
PL.52469	PD.5794	A	6 A (CWC)	7.26Y	121.0	0.00	3.95	2.34	2	17	4	97	0.00	0.0	1.949	0.049	6	1	1	3
PL.52470	PL.52469	A	6 A (CWC)	7.26Y	121.0	0.00	3.96	1.53	1	11	3	96	0.00	0.0	2.021	0.072	11	3	2	2
PL.36512	PL.52724	ABC	336 MCM AC	7.30Y	121.6	0.01	3.37	16.47	3	349	89	97	0.01	0.0	1.740	0.052	0	0	0	54
PL.36513	PL.36512	ABC	336 MCM AC	7.30Y	121.6	0.00	3.38	16.47	3	349	89	97	0.01	0.0	1.763	0.023	0	0	0	54
PL.35382	PL.36513	C	#4 ACSR	7.30Y	121.6	0.00	3.38	2.10	2	15	3	98	0.00	0.0	1.763	0.000	0	0	0	2
PD.5249	PL.35382	C	75QA	7.30Y	121.6	0.00	3.38	2.10	3	15	3	98	0.00	0.0	1.763	0.000	0	0	0	2
PL.35383	PD.5249	C	#4 ACSR	7.30Y	121.6	0.00	3.38	2.10	2	15	3	98	0.00	0.0	1.812	0.049	15	3	2	2
PL.34588	PL.36513	ABC	336 MCM AC	7.30Y	121.6	0.00	3.38	15.77	3	335	86	97	0.01	0.0	1.805	0.042	0	0	1	52
PL.34996	PL.34588	ABC	336 MCM AC	7.30Y	121.6	0.01	3.39	15.23	3	323	83	97	0.02	0.0	1.900	0.095	0	0	0	48

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

Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.34154	PL.34996	ABC	6 A (CWC)	7.30Y	121.6	0.00	3.39	1.51	1	30	14	91	0.00	0.0	1.909	0.009	30	14	1	1
PL.35888	PL.34996	ABC	336 MCM AC	7.30Y	121.6	0.01	3.40	13.75	3	293	69	97	0.01	0.0	1.963	0.063	0	0	0	47
PL.35889	PL.35888	ABC	336 MCM AC	7.30Y	121.6	0.00	3.40	13.03	3	278	65	97	0.01	0.0	1.999	0.036	0	0	0	44
PL.34891	PL.35889	A	#2 ACSR	7.30Y	121.6	0.00	3.40	2.16	1	15	4	97	0.00	0.0	2.057	0.058	15	4	6	6
PL.35893	PL.35889	ABC	336 MCM AC	7.30Y	121.6	0.00	3.40	12.31	2	262	61	97	0.00	0.0	2.000	0.002	0	0	0	38
PD.5791	PL.35893	ABC	70L	7.30Y	121.6	0.00	3.40	12.31	18	262	61	97	0.00	0.0	2.000	0.002	0	0	0	38
PL.35894	PD.5791	ABC	336 MCM AC	7.29Y	121.6	0.03	3.44	12.31	2	262	61	97	0.05	0.0	2.389	0.389	0	0	0	38
PL.52471	PL.35894	ABC	#2 ACSR	7.29Y	121.6	0.00	3.44	0.10	0	2	0	100	0.00	0.0	2.480	0.091	2	0	2	2
PL.52472	PL.35894	ABC	336 MCM AC	7.29Y	121.6	0.01	3.45	12.21	2	260	61	97	0.02	0.0	2.530	0.140	0	0	0	36
PL.52473	PL.52472	C	#1/0 ACSR	7.29Y	121.6	0.00	3.45	1.16	1	8	2	97	0.00	0.0	2.532	0.002	0	0	0	2
PD.8033	PL.52473	C	10QA	7.29Y	121.6	0.00	3.45	1.16	0	8	2	97	0.00	0.0	2.532	0.002	0	0	0	2
PL.52474	PD.8033	C	#1/0 ACSR	7.29Y	121.6	0.00	3.45	1.16	1	8	2	97	0.00	0.0	2.585	0.053	8	2	2	2
PL.62049	PL.52472	ABC	336 MCM AC	7.29Y	121.5	0.01	3.46	11.82	2	252	59	97	0.02	0.0	2.695	0.166	0	0	0	34
PL.62051	PL.62049	C	#1/0 ACSR	7.29Y	121.5	0.00	3.46	1.68	1	12	3	97	0.00	0.0	2.744	0.049	12	3	1	1
PL.62050	PL.62049	ABC	336 MCM AC	7.29Y	121.5	0.00	3.47	11.26	2	240	56	97	0.00	0.0	2.736	0.041	0	0	0	33
PL.52373	PL.62050	ABC	336 MCM AC	7.29Y	121.5	0.00	3.47	10.52	2	224	52	97	0.00	0.0	2.754	0.018	7	2	1	31
PL.53444	PL.52373	ABC	336 MCM AC	7.29Y	121.5	0.00	3.47	10.19	2	217	51	97	0.00	0.0	2.786	0.032	6	1	1	30
PL.53445	PL.53444	ABC	336 MCM AC	7.29Y	121.5	0.00	3.47	9.92	2	211	49	97	0.00	0.0	2.832	0.046	0	0	0	29
PL.59911	PL.53445	ABC	336 MCM AC	7.29Y	121.5	0.00	3.48	9.92	2	211	49	97	0.00	0.0	2.887	0.054	13	3	2	29
PL.59912	PL.59911	ABC	336 MCM AC	7.29Y	121.5	0.00	3.48	9.32	2	198	46	97	0.00	0.0	2.935	0.049	0	0	0	27
PL.52371	PL.59912	B	#1/0 ACSR	7.29Y	121.5	0.00	3.48	0.79	0	6	1	99	0.00	0.0	2.938	0.003	0	0	0	1
PD.8038	PL.52371	B	30QA	7.29Y	121.5	0.00	3.48	0.79	3	6	1	99	0.00	0.0	2.938	0.003	0	0	0	1
PL.52372	PD.8038	B	#1/0 ACSR	7.29Y	121.5	0.00	3.48	0.79	0	6	1	99	0.00	0.0	2.967	0.028	6	1	1	1
PL.35128	PL.59912	ABC	336 MCM AC	7.29Y	121.5	0.00	3.48	8.54	2	182	42	97	0.00	0.0	2.969	0.034	0	0	0	24
PL.34312	PL.35128	B	6 A (CWC)	7.29Y	121.5	0.00	3.48	0.58	0	4	1	97	0.00	0.0	2.970	0.001	0	0	0	2
PD.5102	PL.34312	B	40QA	7.29Y	121.5	0.00	3.48	0.58	1	4	1	97	0.00	0.0	2.970	0.001	0	0	0	2
PL.34313	PD.5102	B	6 A (CWC)	7.29Y	121.5	0.00	3.48	0.58	0	4	1	97	0.00	0.0	3.017	0.048	4	1	2	2
PL.33885	PL.35128	B	6 A (CWC)	7.29Y	121.5	0.00	3.48	3.95	3	28	7	97	0.00	0.0	2.970	0.001	0	0	0	2
PD.5825	PL.33885	B	40QA	7.29Y	121.5	0.00	3.48	3.95	10	28	7	97	0.00	0.0	2.970	0.001	0	0	0	2
PL.33886	PD.5825	B	6 A (CWC)	7.29Y	121.5	0.01	3.49	3.95	3	28	7	97	0.00	0.0	3.022	0.052	21	5	1	2
PL.34162	PL.33886	B	6 A (CWC)	7.29Y	121.5	0.00	3.49	0.97	1	7	2	96	0.00	0.0	3.102	0.080	7	2	1	1

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.36145	PL.35128	ABC	336 MCM AC	7.29Y	121.5	0.00	3.49	7.03	1	150	35	97	0.00	0.0	3.061	0.092	0	0	0	20
PL.36661	PL.36145	B	#2 ACSR	7.29Y	121.5	0.00	3.49	0.96	1	7	2	96	0.00	0.0	3.061	0.000	0	0	0	1
PD.5263	PL.36661	B	40QA	7.29Y	121.5	0.00	3.49	0.96	2	7	2	96	0.00	0.0	3.061	0.000	0	0	0	1
PL.36662	PD.5263	B	#2 ACSR	7.29Y	121.5	0.00	3.49	0.96	1	7	2	96	0.00	0.0	3.095	0.033	7	2	1	1
PL.36146	PL.36145	ABC	336 MCM AC	7.29Y	121.5	0.00	3.49	6.71	1	143	33	97	0.00	0.0	3.090	0.029	0	0	0	19
PL.35311	PL.36146	ABC	336 MCM AC	7.29Y	121.5	0.02	3.51	6.17	1	131	31	97	0.02	0.0	3.664	0.575	27	6	3	17
PL.35312	PL.35311	ABC	336 MCM AC	7.29Y	121.5	0.00	3.51	0.00	0	0	0	100	0.00	0.0	3.721	0.057	0	0	0	0
PL.35313	PL.35312	ABC	336 MCM AC	7.29Y	121.5	0.00	3.51	0.00	0	0	0	100	0.00	0.0	3.821	0.100	0	0	0	0
PD.5870-A	PL.35313	ABC	Open	7.29Y	121.5	0.00	3.51	0.00	0	0	0	100	0.00	0.0	3.821	0.100	0	0	0	0
PL.34202	PL.35311	C	6 A (CWC)	7.29Y	121.5	0.03	3.54	8.54	6	61	14	97	0.01	0.0	3.758	0.094	30	7	2	5
PL.34203	PL.34202	C	6 A (CWC)	7.29Y	121.5	0.01	3.54	4.31	3	31	7	98	0.00	0.0	3.811	0.053	31	7	3	3
PL.34496	PL.35311	ABC	#2 ACSR	7.29Y	121.5	0.00	3.51	1.26	1	27	6	98	0.00	0.0	3.675	0.011	21	5	2	5
PL.34498	PL.34496	C	#2 ACSR	7.29Y	121.5	0.00	3.51	0.77	0	5	1	98	0.00	0.0	3.675	0.000	0	0	0	3
PD.5261	PL.34498	C	40QA	7.29Y	121.5	0.00	3.51	0.77	2	5	1	98	0.00	0.0	3.675	0.000	0	0	0	3
PL.36337	PD.5261	C	#2 ACSR	7.29Y	121.5	0.00	3.51	0.77	0	5	1	98	0.00	0.0	3.780	0.104	0	0	0	3
PL.36338	PL.36337	C	#2 ACSR	7.29Y	121.5	0.00	3.51	0.77	0	5	1	98	0.00	0.0	3.877	0.097	5	1	3	3
PL.34497	PL.35311	C	#2 ACSR	7.29Y	121.5	0.00	3.51	2.37	1	17	4	97	0.00	0.0	3.665	0.001	0	0	0	4
PD.5250	PL.34497	C	40QA	7.29Y	121.5	0.00	3.51	2.37	6	17	4	97	0.00	0.0	3.665	0.001	0	0	0	4
PL.56304	PD.5250	C	#2 ACSR	7.29Y	121.5	0.00	3.51	2.37	1	17	4	97	0.00	0.0	3.686	0.021	13	3	3	4
PL.56305	PL.56304	C	#2 ACSR	7.29Y	121.5	0.00	3.51	0.55	0	4	1	97	0.00	0.0	3.715	0.028	4	1	1	1
PL.35329	PL.36146	B	#2 ACSR	7.29Y	121.5	0.00	3.49	1.61	1	11	3	96	0.00	0.0	3.091	0.002	0	0	0	2
PD.5262	PL.35329	B	40QA	7.29Y	121.5	0.00	3.49	1.61	4	11	3	96	0.00	0.0	3.091	0.002	0	0	0	2
PL.35330	PD.5262	B	#2 ACSR	7.29Y	121.5	0.00	3.49	1.61	1	11	3	96	0.00	0.0	3.112	0.021	11	3	2	2
PL.35129	PL.59912	B	6 A (CWC)	7.29Y	121.5	0.00	3.48	1.55	1	11	3	96	0.00	0.0	2.937	0.001	0	0	0	2
PD.5133	PL.35129	B	40QA	7.29Y	121.5	0.00	3.48	1.55	4	11	3	96	0.00	0.0	2.937	0.001	0	0	0	2
PL.34648	PD.5133	B	6 A (CWC)	7.29Y	121.5	0.00	3.48	1.55	1	11	3	96	0.00	0.0	3.032	0.096	11	3	2	2
PL.36204	PL.62050	B	6 A (CWC)	7.29Y	121.5	0.00	3.47	2.22	2	16	4	97	0.00	0.0	2.738	0.002	0	0	0	2
PD.5043	PL.36204	B	40QA	7.29Y	121.5	0.00	3.47	2.22	6	16	4	97	0.00	0.0	2.738	0.002	0	0	0	2
PL.36205	PD.5043	B	6 A (CWC)	7.29Y	121.5	0.01	3.48	2.22	2	16	4	97	0.00	0.0	2.906	0.168	7	2	1	2
PL.35384	PL.36205	B	6 A (CWC)	7.29Y	121.5	0.00	3.48	1.24	1	9	2	98	0.00	0.0	2.972	0.066	9	2	1	1
PL.35385	PL.35384	B	6 A (CWC)	7.29Y	121.5	0.00	3.48	0.00	0	0	0	100	0.00	0.0	3.029	0.057	0	0	0	0

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.35778	PL.35385	B	6 A (CWC)	7.29Y	121.5	0.00	3.48	0.00	0	0	0	100	0.00	0.0	3.169	0.140	0	0	0	0
PL.35891	PL.35888	B	6 A (CWC)	7.30Y	121.6	0.00	3.40	2.16	2	15	4	97	0.00	0.0	1.964	0.001	0	0	0	3
PD.5728	PL.35891	B	75QA	7.30Y	121.6	0.00	3.40	2.16	3	15	4	97	0.00	0.0	1.964	0.001	0	0	0	3
PL.35892	PD.5728	B	6 A (CWC)	7.30Y	121.6	0.00	3.40	2.16	2	15	4	97	0.00	0.0	2.000	0.036	9	2	2	3
PL.35890	PL.35892	B	6 A (CWC)	7.30Y	121.6	0.00	3.40	0.82	1	6	1	99	0.00	0.0	2.070	0.070	6	1	1	1
PL.57687	PL.34588	ABC	6 A (CWC)	7.30Y	121.6	0.00	3.38	0.01	0	0	0	100	0.00	0.0	1.812	0.007	0	0	0	2
PD.8381	PL.57687	ABC	40QA	7.30Y	121.6	0.00	3.38	0.01	0	0	0	100	0.00	0.0	1.812	0.007	0	0	0	2
PL.57688	PD.8381	ABC	6 A (CWC)	7.30Y	121.6	0.00	3.38	0.01	0	0	0	100	0.00	0.0	1.814	0.001	0	0	2	2
PL.34725	PL.34588	C	#4 ACSR	7.30Y	121.6	0.00	3.38	1.61	1	11	3	96	0.00	0.0	1.806	0.001	0	0	0	1
PD.5272	PL.34725	C	75QA	7.30Y	121.6	0.00	3.38	1.61	2	11	3	96	0.00	0.0	1.806	0.001	0	0	0	1
PL.35380	PD.5272	C	#4 ACSR	7.30Y	121.6	0.00	3.38	1.61	1	11	3	96	0.00	0.0	1.853	0.047	11	3	1	1
PL.35381	PL.35380	C	#4 ACSR	7.30Y	121.6	0.00	3.38	0.00	0	0	0	100	0.00	0.0	1.942	0.089	0	0	0	0
CP.87	PL.52723	ABC	Cap (300)	7.32Y	122.0	0.00	3.03	0.00	0	0	0	100	0.00	0.0	1.500	0.089	0	0	0	0
PL.36659	PL.36705	C	6 A (CWC)	7.36Y	122.7	0.01	2.28	2.72	2	20	5	97	0.00	0.0	1.168	0.092	0	0	0	1
PD.5136	PL.36659	C	75QA	7.36Y	122.7	0.00	2.28	2.72	4	20	5	97	0.00	0.0	1.168	0.092	0	0	0	1
PL.36660	PD.5136	C	6 A (CWC)	7.36Y	122.7	0.01	2.29	2.72	2	20	5	97	0.00	0.0	1.387	0.219	19	5	1	1
PL.33725	PL.36702	A	#4 ACSR	7.39Y	123.1	0.03	1.91	23.25	18	167	39	97	0.04	0.0	0.894	0.028	0	0	0	36
PL.36703	PL.33725	A	#4 ACSR	7.39Y	123.1	0.01	1.92	23.25	18	167	39	97	0.01	0.0	0.900	0.006	0	0	0	36
PD.5784	PL.36703	A	50L	7.39Y	123.1	0.00	1.92	23.25	47	167	39	97	0.00	0.0	0.900	0.006	0	0	0	36
PL.36704	PD.5784	A	#4 ACSR	7.37Y	122.9	0.19	2.10	23.25	18	167	39	97	0.24	0.1	1.082	0.182	0	0	0	36
PL.52367	PL.36704	A	#4 ACSR	7.37Y	122.8	0.07	2.17	23.25	18	167	39	97	0.09	0.1	1.150	0.068	7	2	1	36
PL.52366	PL.52367	A	#4 ACSR	7.36Y	122.7	0.11	2.28	22.34	17	160	37	97	0.13	0.1	1.264	0.114	8	2	2	35
PL.52352	PL.52366	A	#4 ACSR	7.36Y	122.7	0.06	2.34	21.23	16	152	35	97	0.07	0.0	1.333	0.069	14	3	1	33
PL.52354	PL.52352	A	#4 ACSR	7.36Y	122.7	0.00	2.35	6.44	5	46	11	97	0.00	0.0	1.350	0.017	2	1	1	9
PL.52351	PL.52354	A	#4 ACSR	7.36Y	122.6	0.01	2.36	3.16	2	23	5	98	0.00	0.0	1.443	0.092	11	2	2	5
PL.36213	PL.52351	A	#4 ACSR	7.36Y	122.6	0.01	2.37	1.69	1	12	3	97	0.00	0.0	1.581	0.139	0	0	0	3
PL.34105	PL.36213	A	#4 ACSR	7.36Y	122.6	0.00	2.37	1.12	1	8	2	97	0.00	0.0	1.629	0.047	0	0	0	2
PL.34751	PL.34105	A	#2 ACSR	7.36Y	122.6	0.00	2.37	0.00	0	0	0	100	0.00	0.0	1.696	0.067	0	0	0	0
PL.34106	PL.34105	A	#4 ACSR	7.36Y	122.6	0.00	2.37	1.12	1	8	2	97	0.00	0.0	1.694	0.065	0	0	0	2
PL.34494	PL.34106	A	#4 ACSR	7.36Y	122.6	0.00	2.37	1.12	1	8	2	97	0.00	0.0	1.719	0.025	0	0	0	2
PL.35300	PL.34494	A	#4 ACSR	7.36Y	122.6	0.00	2.37	1.12	1	8	2	97	0.00	0.0	1.755	0.036	8	2	2	2

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.34561	PL.36213	A	#2 ACSR	7.36Y	122.6	0.00	2.37	0.57	0	4	1	97	0.00	0.0	1.600	0.018	4	1	1	1
PL.35887	PL.34561	A	#2 ACSR	7.36Y	122.6	0.00	2.37	0.00	0	0	0	100	0.00	0.0	1.630	0.031	0	0	0	0
PL.52355	PL.52354	A	#4 ACSR	7.36Y	122.6	0.01	2.35	2.94	2	21	5	97	0.00	0.0	1.403	0.052	0	0	0	3
PL.52369	PL.52355	A	#1/0 ACSR	7.36Y	122.6	0.00	2.35	2.34	1	17	4	97	0.00	0.0	1.420	0.017	0	0	0	2
PL.52370	PL.52369	A	#1/0 ACSR	7.36Y	122.6	0.00	2.35	2.34	1	17	4	97	0.00	0.0	1.439	0.019	17	4	2	2
PL.52368	PL.52355	A	#4 ACSR	7.36Y	122.6	0.00	2.35	0.60	0	4	1	97	0.00	0.0	1.452	0.049	4	1	1	1
PL.52353	PL.52352	A	#4 ACSR	7.36Y	122.6	0.03	2.37	12.80	10	92	21	97	0.02	0.0	1.384	0.051	0	0	0	23
PL.61985	PL.52353	A	#4 ACSR	7.36Y	122.6	0.00	2.37	0.63	0	5	1	98	0.00	0.0	1.422	0.038	5	1	1	1
PL.52364	PL.52353	A	#4 ACSR	7.36Y	122.6	0.02	2.39	12.17	9	87	20	97	0.01	0.0	1.427	0.042	6	1	1	22
PL.65320	PL.52364	A	#4 ACSR	7.36Y	122.6	0.02	2.41	11.38	9	82	19	97	0.01	0.0	1.468	0.041	0	0	0	21
PL.65321	PL.65320	A	#4 ACSR	7.36Y	122.6	0.00	2.41	11.38	9	82	19	97	0.00	0.0	1.468	0.000	12	3	1	21
PL.52363	PL.65321	A	#4 ACSR	7.35Y	122.6	0.02	2.43	9.70	7	69	16	97	0.01	0.0	1.512	0.044	2	0	1	20
PL.52362	PL.52363	A	#4 ACSR	7.35Y	122.6	0.01	2.45	9.48	7	68	16	97	0.01	0.0	1.546	0.034	0	0	0	19
PL.52361	PL.52362	A	#4 ACSR	7.35Y	122.5	0.03	2.48	9.48	7	68	16	97	0.02	0.0	1.637	0.091	16	4	2	19
PL.52360	PL.52361	A	#4 ACSR	7.35Y	122.5	0.01	2.49	7.28	6	52	12	97	0.00	0.0	1.669	0.032	0	0	0	17
PL.52359	PL.52360	A	#4 ACSR	7.35Y	122.5	0.01	2.50	7.28	6	52	12	97	0.00	0.0	1.701	0.032	7	2	2	17
PL.52358	PL.52359	A	#4 ACSR	7.35Y	122.5	0.02	2.52	6.32	5	45	11	97	0.01	0.0	1.780	0.078	4	1	1	15
PL.35733	PL.52358	A	#4 ACSR	7.35Y	122.5	0.02	2.54	5.72	4	41	10	97	0.00	0.0	1.841	0.061	0	0	0	14
PL.52357	PL.35733	A	#4 ACSR	7.35Y	122.5	0.00	2.54	5.72	4	41	10	97	0.00	0.0	1.857	0.017	8	2	2	14
PL.52356	PL.52357	A	#4 ACSR	7.35Y	122.5	0.01	2.55	4.54	3	33	8	97	0.00	0.0	1.903	0.046	1	0	2	12
PL.35040	PL.52356	A	#4 ACSR	7.35Y	122.4	0.01	2.56	4.42	3	32	7	98	0.00	0.0	1.955	0.052	8	2	1	10
PL.62719	PL.35040	A	#4 ACSR	7.35Y	122.4	0.01	2.56	3.33	3	24	6	97	0.00	0.0	2.021	0.066	12	3	3	9
PL.62720	PL.62719	A	#4 ACSR	7.35Y	122.4	0.00	2.57	1.65	1	12	3	97	0.00	0.0	2.065	0.044	0	0	1	6
PL.35732	PL.62720	A	#4 ACSR	7.35Y	122.4	0.00	2.57	1.58	1	11	3	96	0.00	0.0	2.094	0.029	6	1	2	5
PL.35731	PL.35732	A	#4 ACSR	7.35Y	122.4	0.00	2.57	0.77	1	6	1	99	0.00	0.0	2.137	0.043	0	0	0	3
PL.35730	PL.35731	A	#4 ACSR	7.35Y	122.4	0.00	2.57	0.77	1	6	1	99	0.00	0.0	2.179	0.041	0	0	0	3
PL.35729	PL.35730	A	#4 ACSR	7.35Y	122.4	0.00	2.58	0.77	1	6	1	99	0.00	0.0	2.311	0.132	0	0	0	3
PL.35728	PL.35729	A	#4 ACSR	7.35Y	122.4	0.01	2.58	0.77	1	6	1	99	0.00	0.0	2.467	0.156	0	0	1	3
PL.35727	PL.35728	A	#4 ACSR	7.34Y	122.4	0.00	2.58	0.75	1	5	1	98	0.00	0.0	2.593	0.126	5	1	2	2
PL.62311	East Bernstadt	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	62.22	12	1268	593	91	0.01	0.0	0.004	0.004	0	0	0	16
PL.52876	PL.62311	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	62.22	12	1268	593	91	0.01	0.0	0.006	0.002	0	0	0	16

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: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
---------- Feeder No. 2 (Stave Mill F2) Beginning with Device PD.8056 ----------																				
PD.8056	PL.52876	ABC	480VWE	7.50Y	125.0	0.00	0.00	62.22	0	1268	593	91	0.00	0.0	0.006	0.002	0	0	0	16
PL.33354	PD.8056	ABC	#3/0 ACSR	7.45Y	124.2	0.77	0.78	62.22	21	1268	593	91	5.70	0.4	0.885	0.879	4	1	1	16
PL.35743	PL.33354	C	#2 ACSR	7.45Y	124.2	0.00	0.78	10.37	6	75	18	97	0.00	0.0	0.886	0.001	0	0	0	8
PD.5744	PL.35743	C	30T	7.45Y	124.2	0.00	0.78	10.37	0	75	18	97	0.00	0.0	0.886	0.001	0	0	0	8
PL.35415	PD.5744	C	#2 ACSR	7.45Y	124.2	0.01	0.79	10.37	6	75	18	97	0.01	0.0	0.922	0.036	9	2	1	8
PL.36106	PL.35415	C	#2 ACSR	7.45Y	124.2	0.05	0.84	9.06	5	66	15	98	0.02	0.0	1.111	0.189	7	2	1	7
PL.36107	PL.36106	C	#2 ACSR	7.45Y	124.2	0.01	0.85	8.04	5	58	14	97	0.00	0.0	1.154	0.043	14	3	1	6
PL.35707	PL.36107	C	#2 ACSR	7.45Y	124.1	0.00	0.85	5.35	3	39	9	97	0.00	0.0	1.177	0.023	13	3	1	4
PL.36701	PL.35707	C	#2 ACSR	7.45Y	124.1	0.00	0.85	3.51	2	25	6	97	0.00	0.0	1.225	0.048	25	6	3	3
PL.35048	PL.36107	C	#2 ACSR	7.45Y	124.2	0.00	0.85	0.82	0	6	1	99	0.00	0.0	1.233	0.079	6	1	1	1
PL.35356	PL.33354	ABC	#3/0 ACSR	7.45Y	124.1	0.14	0.92	58.64	20	1183	566	90	0.95	0.1	1.050	0.165	0	0	0	7
PL.35928	PL.35356	ABC	#3/0 ACSR	7.44Y	124.1	0.02	0.94	45.92	15	925	442	90	0.13	0.0	1.087	0.037	0	0	0	5
PL.58485	PL.35928	ABC	#4 ACSR	7.44Y	124.1	0.01	0.95	44.91	35	903	437	90	0.04	0.0	1.090	0.003	0	0	0	2
PD.8692	PL.58485	ABC	50T	7.44Y	124.1	0.00	0.95	44.91	0	903	437	90	0.00	0.0	1.090	0.003	0	0	0	2
PL.58486	PD.8692	ABC	#4 ACSR	7.44Y	124.0	0.02	0.97	44.91	35	903	437	90	0.18	0.0	1.104	0.014	0	0	0	2
PL.58484	PL.58486	ABC	#4 ACSR	7.44Y	123.9	0.09	1.06	44.91	35	902	437	90	0.57	0.1	1.175	0.071	467	226	1	2
PL.35237	PL.58484	ABC	#4 ACSR	7.43Y	123.9	0.04	1.10	21.66	17	435	211	90	0.09	0.0	1.264	0.089	435	211	1	1
PL.58872	PL.35928	ABC	#3/0 ACSR	7.44Y	124.1	0.00	0.94	1.03	0	22	5	98	0.00	0.0	1.152	0.065	0	0	0	3
PL.58873	PL.58872	C	6 A (CWC)	7.44Y	124.1	0.00	0.94	3.10	2	22	5	98	0.00	0.0	1.153	0.002	0	0	0	3
PD.5850	PL.58873	C	75QA	7.44Y	124.1	0.00	0.94	3.10	4	22	5	98	0.00	0.0	1.153	0.002	0	0	0	3
PL.36219	PD.5850	C	6 A (CWC)	7.44Y	124.0	0.02	0.96	3.10	2	22	5	98	0.00	0.0	1.273	0.119	0	0	0	3
PL.35229	PL.36219	C	#4 ACSR	7.44Y	124.0	0.00	0.96	0.00	0	0	0	100	0.00	0.0	1.400	0.128	0	0	0	0
PL.36848	PL.36219	C	6 A (CWC)	7.44Y	124.0	0.00	0.96	3.10	2	22	5	98	0.00	0.0	1.293	0.020	1	0	1	3
PL.37140	PL.36848	C	6 A (CWC)	7.44Y	124.0	0.00	0.96	2.91	2	21	5	97	0.00	0.0	1.347	0.054	21	5	2	2
PL.58874	PL.58872	ABC	#3/0 ACSR	7.44Y	124.1	0.00	0.94	0.00	0	0	0	100	0.00	0.0	1.203	0.051	0	0	0	0
PD.8480-A	PL.58874	ABC	Open	7.44Y	124.1	0.00	0.94	0.00	0	0	0	100	0.00	0.0	1.203	0.051	0	0	0	0
PL.36062	PL.35356	ABC	#4 ACSR	7.45Y	124.1	0.00	0.92	12.72	10	256	123	90	0.00	0.0	1.050	0.000	0	0	0	2
PD.5745	PL.36062	ABC	75QA	7.45Y	124.1	0.00	0.92	12.72	17	256	123	90	0.00	0.0	1.050	0.000	0	0	0	2

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.36063	PD.5745	ABC	#4 ACSR	7.44Y	124.1	0.02	0.94	12.72	10	256	123	90	0.05	0.0	1.094	0.043	0	0	0	2
PL.33762	PL.36063	ABC	#4 ACSR	7.44Y	124.1	0.00	0.94	12.72	10	256	123	90	0.00	0.0	1.098	0.005	256	123	2	2
PL.62309	East Bernstadt	ABC	336 MCM AC	7.50Y	125.0	0.01	0.01	190.26	37	4092	1257	96	0.14	0.0	0.005	0.005	0	0	0	546
PL.58712	PL.62309	ABC	336 MCM AC	7.50Y	125.0	0.00	0.01	190.26	37	4092	1256	96	0.09	0.0	0.008	0.003	0	0	0	546
---------- Feeder No. 3 (Swiss Colony F3) Beginning with Device PD.8728 ----------																				
PD.8728	PL.58712	ABC	480VWE	7.50Y	125.0	0.00	0.01	190.26	0	4092	1256	96	0.00	0.0	0.008	0.003	0	0	0	546
PL.65316	PD.8728	ABC	336 MCM AC	7.48Y	124.7	0.31	0.32	190.26	37	4092	1256	96	6.42	0.2	0.218	0.210	0	0	0	546
PL.65317	PL.65316	ABC	336 MCM AC	7.46Y	124.3	0.33	0.65	190.26	37	4086	1241	96	6.97	0.2	0.447	0.229	0	0	0	546
PL.58714	PL.65317	ABC	336 MCM AC	7.46Y	124.3	0.00	0.65	0.00	0	0	0	100	0.00	0.0	0.450	0.004	0	0	0	0
PD.8729-B	PL.58714	ABC	Open	7.46Y	124.3	0.00	0.65	0.00	0	0	0	100	0.00	0.0	0.450	0.004	0	0	0	0
PL.58711	PL.65317	ABC	336 MCM AC	7.45Y	124.2	0.17	0.82	190.26	37	4079	1225	96	3.66	0.1	0.567	0.120	0	0	0	546
PL.58742	PL.58711	ABC	336 MCM AC	7.44Y	124.1	0.12	0.94	190.26	37	4075	1216	96	2.49	0.1	0.648	0.082	0	0	0	546
PL.58730	PL.58742	ABC	336 MCM AC	7.44Y	123.9	0.12	1.06	190.26	37	4073	1210	96	2.49	0.1	0.730	0.082	0	0	0	546
PL.58733	PL.58730	ABC	336 MCM AC	7.43Y	123.8	0.14	1.20	190.26	37	4070	1205	96	2.95	0.1	0.827	0.097	0	0	0	546
PL.58734	PL.58733	ABC	336 MCM AC	7.42Y	123.6	0.15	1.35	190.26	37	4067	1198	96	3.22	0.1	0.933	0.106	0	0	0	546
PL.58740	PL.58734	C	6 A (CWC)	7.42Y	123.6	0.00	1.35	3.43	2	25	6	97	0.00	0.0	0.934	0.001	0	0	0	7
PD.8725	PL.58740	C	40QA	7.42Y	123.6	0.00	1.35	3.43	9	25	6	97	0.00	0.0	0.934	0.001	0	0	0	7
PL.58741	PD.8725	C	6 A (CWC)	7.42Y	123.6	0.03	1.38	3.43	2	25	6	97	0.00	0.0	1.109	0.175	2	0	2	7
PL.58736	PL.58741	C	6 A (CWC)	7.42Y	123.6	0.00	1.38	3.14	2	23	5	98	0.00	0.0	1.121	0.012	6	1	1	5
PL.62071	PL.58736	C	6 A (CWC)	7.42Y	123.6	0.00	1.38	2.25	2	16	4	97	0.00	0.0	1.211	0.089	16	4	4	4
PL.58732	PL.58734	ABC	336 MCM AC	7.41Y	123.5	0.13	1.48	189.12	36	4039	1184	96	2.68	0.1	1.022	0.089	20	5	4	539
PL.36510	PL.58732	ABC	336 MCM AC	7.40Y	123.4	0.12	1.60	188.22	36	4017	1174	96	2.60	0.1	1.109	0.087	0	0	0	535
PL.33386	PL.36510	ABC	336 MCM AC	7.40Y	123.3	0.08	1.69	188.22	36	4014	1168	96	1.76	0.0	1.168	0.059	9	2	1	535
PL.33387	PL.33386	ABC	336 MCM AC	7.39Y	123.2	0.14	1.83	186.78	36	3981	1156	96	3.00	0.1	1.270	0.102	0	0	0	531
PL.34995	PL.33387	ABC	336 MCM AC	7.39Y	123.1	0.08	1.91	186.78	36	3978	1149	96	1.73	0.0	1.329	0.059	0	0	0	531
PL.34024	PL.34995	C	#2 ACSR	7.39Y	123.1	0.00	1.91	1.06	1	8	2	97	0.00	0.0	1.330	0.001	0	0	0	1
PD.5062	PL.34024	C	40QA	7.39Y	123.1	0.00	1.91	1.06	3	8	2	97	0.00	0.0	1.330	0.001	0	0	0	1
PL.34370	PD.5062	C	#2 ACSR	7.39Y	123.1	0.00	1.91	1.06	1	8	2	97	0.00	0.0	1.361	0.031	8	2	1	1
PL.36144	PL.34995	ABC	336 MCM AC	7.38Y	123.1	0.03	1.94	186.43	36	3969	1143	96	0.56	0.0	1.348	0.019	0	0	0	530

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.36326	PL.36144	A	#4 ACSR	7.38Y	123.1	0.00	1.94	1.27	1	9	2	98	0.00	0.0	1.350	0.001	0	0	0	3
PD.5064	PL.36326	A	75QA	7.38Y	123.1	0.00	1.94	1.27	2	9	2	98	0.00	0.0	1.350	0.001	0	0	0	3
PL.36327	PD.5064	A	#4 ACSR	7.38Y	123.1	0.00	1.94	1.27	1	9	2	98	0.00	0.0	1.389	0.039	6	1	2	3
PL.36328	PL.36327	A	#4 ACSR	7.38Y	123.1	0.00	1.94	0.40	0	3	1	95	0.00	0.0	1.440	0.051	3	1	1	1
PL.35705	PL.36144	ABC	336 MCM AC	7.37Y	122.9	0.17	2.11	186.01	36	3959	1140	96	3.54	0.1	1.470	0.121	0	0	0	527
PL.35706	PL.35705	ABC	336 MCM AC	7.37Y	122.8	0.05	2.16	186.01	36	3956	1132	96	1.03	0.0	1.505	0.035	0	0	0	527
PL.34651	PL.35706	A	#4 ACSR	7.37Y	122.8	0.00	2.16	1.85	1	13	3	97	0.00	0.0	1.506	0.001	0	0	0	2
PD.5065	PL.34651	A	75QA	7.37Y	122.8	0.00	2.16	1.85	2	13	3	97	0.00	0.0	1.506	0.001	0	0	0	2
PL.35704	PD.5065	A	#4 ACSR	7.37Y	122.8	0.01	2.17	1.85	1	13	3	97	0.00	0.0	1.785	0.279	13	3	2	2
PL.33711	PL.35706	A	6 A (CWC)	7.37Y	122.8	0.01	2.17	3.28	2	24	5	98	0.00	0.0	1.629	0.123	24	5	2	2
PL.64718	PL.35706	ABC	336 MCM AC	7.35Y	122.5	0.37	2.53	184.30	36	3918	1121	96	7.65	0.2	1.773	0.268	6	1	2	523
PL.64720	PL.64718	C	#4 ACSR	7.35Y	122.5	0.00	2.53	4.35	3	31	7	98	0.00	0.0	1.776	0.003	0	0	0	6
PD.8908	PL.64720	C	40QA	7.35Y	122.5	0.00	2.53	4.35	11	31	7	98	0.00	0.0	1.776	0.003	0	0	0	6
PL.59484	PD.8908	C	#4 ACSR	7.35Y	122.5	0.02	2.55	4.35	3	31	7	98	0.00	0.0	1.875	0.099	0	0	0	6
PL.59482	PL.59484	C	#4 ACSR	7.35Y	122.4	0.00	2.55	1.68	1	12	3	97	0.00	0.0	1.929	0.054	12	3	1	1
PL.59481	PL.59484	C	#2 ACSR	7.35Y	122.5	0.00	2.55	2.66	2	19	4	98	0.00	0.0	1.901	0.026	19	4	5	5
PL.64719	PL.64718	C	#4 ACSR	7.35Y	122.5	0.00	2.53	0.50	0	4	1	97	0.00	0.0	1.776	0.003	0	0	0	1
PD.8907	PL.64719	C	40QA	7.35Y	122.5	0.00	2.53	0.50	1	4	1	97	0.00	0.0	1.776	0.003	0	0	0	1
PL.59483	PD.8907	C	#4 ACSR	7.35Y	122.5	0.00	2.53	0.50	0	4	1	97	0.00	0.0	1.861	0.085	4	1	1	1
PL.64717	PL.64718	ABC	336 MCM AC	7.34Y	122.3	0.16	2.69	182.40	35	3870	1093	96	3.27	0.1	1.889	0.117	0	0	0	514
PL.34030	PL.64717	C	6 A (CWC)	7.34Y	122.3	0.00	2.69	3.93	3	28	7	97	0.00	0.0	1.891	0.002	0	0	0	3
PD.5158	PL.34030	C	75QA	7.34Y	122.3	0.00	2.69	3.93	5	28	7	97	0.00	0.0	1.891	0.002	0	0	0	3
PL.34031	PD.5158	C	6 A (CWC)	7.34Y	122.3	0.01	2.70	3.93	3	28	7	97	0.00	0.0	1.983	0.092	12	3	2	3
PL.33981	PL.34031	C	6 A (CWC)	7.34Y	122.3	0.00	2.70	2.30	2	16	4	97	0.00	0.0	2.038	0.055	16	4	1	1
PL.34029	PL.64717	ABC	336 MCM AC	7.33Y	122.2	0.14	2.83	181.10	35	3838	1079	96	2.87	0.1	1.994	0.104	13	3	1	511
PL.34327	PL.34029	ABC	336 MCM AC	7.32Y	122.0	0.16	2.98	178.36	34	3777	1059	96	3.16	0.1	2.111	0.118	0	0	0	504
PL.35575	PL.34327	ABC	336 MCM AC	7.32Y	122.0	0.00	2.99	11.18	2	239	56	97	0.00	0.0	2.159	0.047	0	0	0	34
PL.36686	PL.35575	C	6 A (CWC)	7.32Y	122.0	0.00	2.99	33.53	24	239	56	97	0.00	0.0	2.161	0.002	0	0	0	33
PD.5719	PL.36686	C	70QA	7.32Y	122.0	0.00	2.99	33.53	0	239	56	97	0.00	0.0	2.161	0.002	0	0	0	33
PL.36687	PD.5719	C	#1/0 ACSR	7.32Y	122.0	0.02	3.01	33.53	15	239	56	97	0.03	0.0	2.189	0.028	21	5	4	33
PL.36684	PL.36687	C	#4 ACSR	7.32Y	121.9	0.05	3.06	30.54	23	218	51	97	0.09	0.0	2.229	0.040	8	2	2	29

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.36685	PL.36684	C	6 A (CWC)	7.31Y	121.9	0.03	3.10	29.45	21	210	49	97	0.05	0.0	2.253	0.024	8	2	1	27
PL.33438	PL.36685	C	6 A (CWC)	7.31Y	121.8	0.10	3.20	28.39	20	202	47	97	0.16	0.1	2.335	0.081	0	0	0	26
PL.35685	PL.33438	C	#4 ACSR	7.31Y	121.8	0.01	3.21	3.02	2	21	5	97	0.00	0.0	2.431	0.096	21	5	2	2
PL.33524	PL.33438	C	#4 ACSR	7.31Y	121.8	0.00	3.20	0.00	0	0	0	100	0.00	0.0	2.390	0.056	0	0	0	0
PL.35442	PL.33438	C	#4 ACSR	7.31Y	121.8	0.02	3.22	25.37	20	181	42	97	0.02	0.0	2.349	0.015	8	2	1	24
PL.35443	PL.35442	C	#4 ACSR	7.30Y	121.7	0.05	3.27	24.26	19	173	40	97	0.07	0.0	2.405	0.055	35	8	4	23
PL.35444	PL.35443	C	#4 ACSR	7.30Y	121.7	0.05	3.32	19.34	15	138	32	97	0.05	0.0	2.463	0.058	0	0	0	19
PL.35445	PL.35444	C	#4 ACSR	7.30Y	121.7	0.03	3.35	19.34	15	138	32	97	0.03	0.0	2.499	0.036	21	5	3	18
PL.35448	PL.35445	C	#4 ACSR	7.30Y	121.6	0.03	3.38	16.41	13	117	27	97	0.03	0.0	2.550	0.050	13	3	1	15
PL.35449	PL.35448	C	#4 ACSR	7.30Y	121.6	0.03	3.41	14.62	11	104	24	97	0.02	0.0	2.599	0.050	12	3	1	14
PL.35548	PL.35449	C	#4 ACSR	7.29Y	121.6	0.04	3.45	12.93	10	92	21	97	0.02	0.0	2.664	0.065	7	2	1	13
PL.35551	PL.35548	C	#4 ACSR	7.29Y	121.5	0.01	3.46	11.98	9	85	20	97	0.00	0.0	2.678	0.014	6	1	1	12
PL.35547	PL.35551	C	#4 ACSR	7.29Y	121.5	0.01	3.47	8.89	7	63	15	97	0.01	0.0	2.726	0.048	27	6	3	8
PL.35546	PL.35547	C	#4 ACSR	7.29Y	121.5	0.00	3.47	5.11	4	36	8	98	0.00	0.0	2.748	0.022	17	4	2	5
PL.35504	PL.35546	C	#4 ACSR	7.29Y	121.5	0.00	3.48	2.69	2	19	4	98	0.00	0.0	2.795	0.047	19	4	3	3
PL.34838	PL.35551	C	#4 ACSR	7.29Y	121.5	0.00	3.46	2.23	2	16	4	97	0.00	0.0	2.727	0.049	16	4	3	3
PL.35178	PL.35444	C	#4 ACSR	7.30Y	121.7	0.00	3.32	0.00	0	0	0	100	0.00	0.0	2.480	0.017	0	0	1	1
PL.59938	PL.35575	ABC	336 MCM AC	7.32Y	122.0	0.00	2.99	0.00	0	0	0	100	0.00	0.0	2.201	0.042	0	0	0	1
PL.59937	PL.59938	C	#4 ACSR	7.32Y	122.0	0.00	2.99	0.01	0	0	0	100	0.00	0.0	2.202	0.001	0	0	0	1
PD.5705	PL.59937	C	75QA	7.32Y	122.0	0.00	2.99	0.01	0	0	0	100	0.00	0.0	2.202	0.001	0	0	0	1
PL.34265	PD.5705	C	#4 ACSR	7.32Y	122.0	0.00	2.99	0.01	0	0	0	100	0.00	0.0	2.252	0.051	0	0	1	1
PL.59939	PL.59938	ABC	336 MCM AC	7.32Y	122.0	0.00	2.99	0.00	0	0	0	100	0.00	0.0	2.265	0.064	0	0	0	0
PD.8900-A	PL.59939	ABC	Open	7.32Y	122.0	0.00	2.99	0.00	0	0	0	100	0.00	0.0	2.265	0.064	0	0	0	0
PL.52025	PL.34327	ABC	336 MCM AC	7.31Y	121.8	0.20	3.18	167.19	32	3534	996	96	3.70	0.1	2.269	0.157	2	0	1	470
PL.52026	PL.52025	C	#4 ACSR	7.31Y	121.8	0.00	3.18	3.51	3	25	6	97	0.00	0.0	2.270	0.001	0	0	0	2
PD.5766	PL.52026	C	75QA	7.31Y	121.8	0.00	3.18	3.51	5	25	6	97	0.00	0.0	2.270	0.001	0	0	0	2
PL.35369	PD.5766	C	#4 ACSR	7.31Y	121.8	0.01	3.19	3.51	3	25	6	97	0.00	0.0	2.363	0.094	25	6	2	2
PL.52029	PL.52025	ABC	336 MCM AC	7.30Y	121.7	0.10	3.28	165.92	32	3504	981	96	1.89	0.1	2.350	0.081	0	0	0	467
PL.52031	PL.52029	ABC	336 MCM AC	7.30Y	121.6	0.08	3.37	164.04	32	3462	967	96	1.56	0.0	2.419	0.069	12	3	2	460
PL.51537	PL.52031	C	#2 ACSR	7.30Y	121.6	0.00	3.37	4.73	3	34	8	97	0.00	0.0	2.420	0.001	0	0	0	4
PD.5720	PL.51537	C	75QA	7.30Y	121.6	0.00	3.37	4.73	6	34	8	97	0.00	0.0	2.420	0.001	0	0	0	4

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

Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.56335	PD.5720	C	#2 ACSR	7.30Y	121.6	0.00	3.37	4.73	3	34	8	97	0.00	0.0	2.449	0.029	8	2	1	4
PL.56336	PL.56335	C	#2 ACSR	7.30Y	121.6	0.00	3.37	1.06	1	8	2	97	0.00	0.0	2.455	0.006	8	2	1	1
PL.56334	PL.56335	C	#2 ACSR	7.30Y	121.6	0.00	3.37	2.58	1	18	4	98	0.00	0.0	2.480	0.031	18	4	2	2
PL.56338	PL.52031	ABC	336 MCM AC	7.30Y	121.6	0.04	3.41	159.97	31	3373	943	96	0.79	0.0	2.456	0.036	4	1	1	436
PL.56339	PL.56338	ABC	336 MCM AC	7.29Y	121.6	0.04	3.45	158.81	31	3348	936	96	0.69	0.0	2.488	0.032	0	0	0	431
PL.33763	PL.56339	ABC	336 MCM AC	7.29Y	121.6	0.00	3.45	158.81	31	3347	934	96	0.02	0.0	2.489	0.001	0	0	0	431
PD.5857	PL.33763	ABC	340VWE	7.29Y	121.6	0.00	3.45	158.81	0	3347	934	96	0.00	0.0	2.489	0.001	0	0	0	431
PL.33764	PD.5857	ABC	336 MCM AC	7.29Y	121.5	0.03	3.48	158.81	31	3347	934	96	0.58	0.0	2.516	0.028	33	8	4	431
PL.33989	PL.33764	ABC	336 MCM AC	7.29Y	121.4	0.09	3.57	157.26	30	3313	925	96	1.51	0.0	2.589	0.073	6	1	1	427
PL.51538	PL.33989	ABC	336 MCM AC	7.28Y	121.3	0.09	3.66	155.36	30	3271	912	96	1.60	0.0	2.668	0.079	5	1	3	421
PL.56759	PL.51538	ABC	#1/0 ACSR	7.28Y	121.3	0.09	3.75	153.61	67	3232	900	96	2.09	0.1	2.701	0.033	4	1	4	413
PL.56761	PL.56759	ABC	336 MCM AC	7.27Y	121.2	0.03	3.78	153.41	30	3226	897	96	0.59	0.0	2.731	0.030	0	0	0	409
PL.56760	PL.56761	ABC	336 MCM AC	7.27Y	121.2	0.04	3.82	153.41	30	3225	895	96	0.68	0.0	2.766	0.035	7	2	3	409
PL.51542	PL.56760	ABC	336 MCM AC	7.27Y	121.1	0.05	3.87	148.00	29	3110	867	96	0.78	0.0	2.808	0.042	7	2	3	389
PL.51543	PL.51542	ABC	336 MCM AC	7.26Y	121.1	0.07	3.94	147.66	28	3102	863	96	1.24	0.0	2.876	0.068	29	7	4	386
PL.59953	PL.51543	A	6 A (CWC)	7.26Y	121.1	0.00	3.94	0.73	1	5	1	98	0.00	0.0	2.879	0.003	0	0	0	2
PD.8903	PL.59953	A	40QA	7.26Y	121.1	0.00	3.94	0.73	2	5	1	98	0.00	0.0	2.879	0.003	0	0	0	2
PL.59954	PD.8903	A	6 A (CWC)	7.26Y	121.1	0.00	3.94	0.73	1	5	1	98	0.00	0.0	2.910	0.031	5	1	2	2
PL.59950	PL.59954	A	6 A (CWC)	7.26Y	121.1	0.00	3.94	0.00	0	0	0	100	0.00	0.0	2.953	0.043	0	0	0	0
PL.34835	PL.51543	ABC	336 MCM AC	7.26Y	121.0	0.06	4.00	144.27	28	3028	844	96	0.99	0.0	2.933	0.056	15	4	1	374
PL.33336	PL.34835	ABC	336 MCM AC	7.26Y	120.9	0.07	4.08	143.54	28	3012	838	96	1.17	0.0	3.000	0.068	6	1	1	373
PL.35514	PL.33336	A	#2/0 ACSR	7.26Y	120.9	0.00	4.08	1.69	1	12	3	97	0.00	0.0	3.001	0.001	0	0	0	1
PD.5037	PL.35514	A	40QA	7.26Y	120.9	0.00	4.08	1.69	4	12	3	97	0.00	0.0	3.001	0.001	0	0	0	1
PL.35515	PD.5037	A	#2/0 ACSR	7.26Y	120.9	0.00	4.08	1.69	1	12	3	97	0.00	0.0	3.019	0.018	12	3	1	1
PL.51544	PL.33336	ABC	336 MCM AC	7.25Y	120.9	0.03	4.10	142.71	27	2993	831	96	0.47	0.0	3.028	0.027	8	2	2	371
PL.51545	PL.51544	ABC	336 MCM AC	7.25Y	120.9	0.03	4.13	142.32	27	2984	828	96	0.42	0.0	3.052	0.024	0	0	0	369
PL.52036	PL.51545	ABC	336 MCM AC	7.25Y	120.8	0.06	4.19	141.51	27	2967	823	96	0.90	0.0	3.105	0.053	0	0	0	366
PL.52035	PL.52036	C	6 A (CWC)	7.25Y	120.8	0.00	4.19	35.28	25	249	58	97	0.00	0.0	3.106	0.001	0	0	0	28
PD.5021	PL.52035	C	75QA	7.25Y	120.8	0.00	4.19	35.28	47	249	58	97	0.00	0.0	3.106	0.001	0	0	0	28
PL.35158	PD.5021	C	6 A (CWC)	7.24Y	120.7	0.10	4.29	35.28	25	249	58	97	0.19	0.1	3.169	0.063	5	1	1	28
PL.34196	PL.35158	C	#4 ACSR	7.24Y	120.7	0.00	4.29	2.09	2	15	3	98	0.00	0.0	3.211	0.041	15	3	2	2

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.35516	PL.35158	C	6 A (CWC)	7.24Y	120.6	0.11	4.40	32.47	23	229	54	97	0.19	0.1	3.246	0.077	13	3	2	25
PL.36313	PL.35516	C	6 A (CWC)	7.23Y	120.5	0.13	4.53	28.53	20	201	47	97	0.20	0.1	3.349	0.103	0	0	0	22
PL.34750	PL.36313	C	#4 ACSR	7.23Y	120.5	0.00	4.53	0.83	1	6	1	99	0.00	0.0	3.439	0.090	6	1	2	2
PL.36314	PL.36313	C	6 A (CWC)	7.23Y	120.4	0.04	4.57	27.70	20	195	45	97	0.06	0.0	3.382	0.033	17	4	2	20
PL.35768	PL.36314	C	6 A (CWC)	7.22Y	120.4	0.03	4.60	25.30	18	178	42	97	0.04	0.0	3.412	0.030	21	5	2	18
PL.33335	PL.35768	C	6 A (CWC)	7.22Y	120.3	0.08	4.68	22.34	16	157	37	97	0.09	0.1	3.486	0.074	0	0	0	16
PL.34028	PL.33335	C	6 A (CWC)	7.22Y	120.3	0.03	4.70	22.34	16	157	37	97	0.03	0.0	3.513	0.027	13	3	1	16
PL.34027	PL.34028	C	6 A (CWC)	7.22Y	120.3	0.03	4.73	20.49	15	144	34	97	0.03	0.0	3.544	0.030	9	2	1	15
PL.34026	PL.34027	C	6 A (CWC)	7.22Y	120.3	0.01	4.74	19.25	14	135	31	97	0.01	0.0	3.559	0.016	9	2	3	14
PL.34025	PL.34026	C	6 A (CWC)	7.21Y	120.2	0.01	4.76	17.94	13	126	29	97	0.01	0.0	3.577	0.018	30	7	3	11
PL.61994	PL.34025	C	#4 ACSR	7.21Y	120.2	0.01	4.77	12.66	10	89	21	97	0.01	0.0	3.602	0.025	22	5	2	7
PL.61995	PL.61994	C	#4 ACSR	7.21Y	120.2	0.01	4.78	9.56	7	67	16	97	0.00	0.0	3.645	0.042	67	16	5	5
PL.33992	PL.34025	C	6 A (CWC)	7.21Y	120.2	0.00	4.76	1.06	1	7	2	96	0.00	0.0	3.610	0.033	7	2	1	1
PL.59118	PL.35516	C	6 A (CWC)	7.24Y	120.6	0.00	4.40	2.07	1	15	3	98	0.00	0.0	3.301	0.054	15	3	1	1
PL.52033	PL.52036	ABC	336 MCM AC	7.24Y	120.7	0.09	4.27	129.76	25	2717	763	96	1.28	0.0	3.195	0.090	0	0	0	338
PL.52032	PL.52033	A	6 A (CWC)	7.24Y	120.7	0.00	4.27	6.14	4	43	10	97	0.00	0.0	3.197	0.002	0	0	0	4
PD.5753	PL.52032	A	75QA	7.24Y	120.7	0.00	4.27	6.14	8	43	10	97	0.00	0.0	3.197	0.002	0	0	0	4
PL.34518	PD.5753	A	6 A (CWC)	7.24Y	120.7	0.01	4.28	6.14	4	43	10	97	0.00	0.0	3.234	0.037	43	10	4	4
PL.52034	PL.52033	ABC	336 MCM AC	7.24Y	120.6	0.13	4.40	127.71	25	2672	750	96	1.86	0.1	3.331	0.135	3	1	2	334
PL.33377	PL.52034	ABC	336 MCM AC	7.23Y	120.5	0.06	4.47	103.74	20	2163	627	96	0.75	0.0	3.413	0.083	0	0	0	275
PL.36479	PL.33377	ABC	336 MCM AC	7.23Y	120.5	0.06	4.53	102.23	20	2130	618	96	0.73	0.0	3.497	0.083	17	4	3	271
PL.34669	PL.36479	ABC	336 MCM AC	7.22Y	120.4	0.05	4.58	100.77	19	2099	609	96	0.60	0.0	3.567	0.070	0	0	0	264
PL.34671	PL.34669	C	#4 ACSR	7.22Y	120.4	0.00	4.58	1.33	1	9	2	98	0.00	0.0	3.568	0.001	0	0	0	2
PD.5042	PL.34671	C	75QA	7.22Y	120.4	0.00	4.58	1.33	2	9	2	98	0.00	0.0	3.568	0.001	0	0	0	2
PL.34672	PD.5042	C	#4 ACSR	7.22Y	120.4	0.00	4.59	1.33	1	9	2	98	0.00	0.0	3.644	0.076	9	2	2	2
PL.34670	PL.34669	ABC	336 MCM AC	7.22Y	120.4	0.04	4.62	100.33	19	2089	605	96	0.44	0.0	3.619	0.052	4	1	1	262
PL.34668	PL.34670	ABC	336 MCM AC	7.21Y	120.2	0.14	4.76	100.13	19	2084	603	96	1.52	0.1	3.799	0.180	0	0	0	261
PL.34201	PL.34668	ABC	336 MCM AC	7.21Y	120.2	0.00	4.76	100.13	19	2083	600	96	0.00	0.0	3.799	0.000	0	0	0	261
RG.40	PL.34201	ABC	167Kkva	7.45Y	124.1	-3.88	0.88	100.13	46	2082	600	96	percent Boost= 3.12		Tap= 5.0					261
PL.36505	RG.40	ABC	336 MCM AC	7.45Y	124.1	0.03	0.91	97.00	19	2082	600	96	0.28	0.0	3.835	0.036	0	0	0	261
PL.33700	PL.36505	ABC	336 MCM AC	7.44Y	124.0	0.05	0.96	97.00	19	2082	599	96	0.53	0.0	3.902	0.067	5	1	2	261

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.35394	PL.33700	ABC	336 MCM AC	7.44Y	124.0	0.03	0.99	96.77	19	2077	597	96	0.33	0.0	3.944	0.042	12	3	1	259
PL.35159	PL.35394	ABC	336 MCM AC	7.44Y	124.0	0.02	1.01	96.22	19	2064	593	96	0.22	0.0	3.971	0.028	0	0	0	258
PL.35160	PL.35159	ABC	336 MCM AC	7.44Y	124.0	0.02	1.03	95.83	18	2056	590	96	0.26	0.0	4.005	0.034	0	0	0	257
PL.35391	PL.35160	A	6 A (CWC)	7.44Y	124.0	0.00	1.03	0.00	0	0	0	100	0.00	0.0	4.006	0.001	0	0	0	0
PD.5706	PL.35391	A	75QA	7.44Y	124.0	0.00	1.03	0.00	0	0	0	100	0.00	0.0	4.006	0.001	0	0	0	0
PL.35392	PD.5706	A	6 A (CWC)	7.44Y	124.0	0.00	1.03	0.00	0	0	0	100	0.00	0.0	4.056	0.050	0	0	0	0
PL.35393	PL.35392	A	6 A (CWC)	7.44Y	124.0	0.00	1.03	0.00	0	0	0	100	0.00	0.0	4.610	0.553	0	0	0	0
PL.35388	PL.35160	C	6 A (CWC)	7.44Y	124.0	0.00	1.03	0.73	1	5	1	98	0.00	0.0	4.006	0.001	0	0	0	2
PD.5147	PL.35388	C	75QA	7.44Y	124.0	0.00	1.03	0.73	1	5	1	98	0.00	0.0	4.006	0.001	0	0	0	2
PL.35390	PD.5147	C	6 A (CWC)	7.44Y	124.0	0.00	1.03	0.73	1	5	1	98	0.00	0.0	4.043	0.036	5	1	2	2
PL.35161	PL.35160	ABC	336 MCM AC	7.43Y	123.9	0.10	1.13	95.59	18	2050	589	96	1.07	0.1	4.145	0.139	0	0	0	255
PL.34782	PL.35161	ABC	336 MCM AC	7.43Y	123.8	0.05	1.18	95.59	18	2049	586	96	0.56	0.0	4.217	0.073	0	0	0	255
PL.35697	PL.34782	ABC	#3/0 ACSR	7.43Y	123.8	0.05	1.23	95.11	32	2038	582	96	0.61	0.0	4.257	0.040	11	2	1	254
PL.35933	PL.35697	ABC	#3/0 ACSR	7.42Y	123.7	0.03	1.26	94.63	32	2027	579	96	0.35	0.0	4.281	0.023	6	1	1	253
PL.35696	PL.35933	ABC	#3/0 ACSR	7.42Y	123.6	0.09	1.35	94.36	31	2021	577	96	1.18	0.1	4.360	0.079	0	0	0	252
PL.35127	PL.35696	ABC	#3/0 ACSR	7.41Y	123.6	0.07	1.42	93.18	31	1994	570	96	0.85	0.0	4.418	0.058	11	3	1	249
PL.35507	PL.35127	ABC	#3/0 ACSR	7.41Y	123.5	0.04	1.46	92.67	31	1982	566	96	0.44	0.0	4.448	0.030	0	0	0	248
PL.35629	PL.35507	ABC	#3/0 ACSR	7.41Y	123.5	0.06	1.52	88.97	30	1902	546	96	0.69	0.0	4.500	0.052	0	0	0	230
PL.35638	PL.35629	ABC	#3/0 ACSR	7.40Y	123.4	0.07	1.58	88.67	30	1894	544	96	0.79	0.0	4.560	0.060	3	1	2	229
PL.34913	PL.35638	A	6 A (CWC)	7.40Y	123.4	0.00	1.58	0.62	0	4	1	97	0.00	0.0	4.561	0.002	0	0	0	1
PD.5168	PL.34913	A	75QA	7.40Y	123.4	0.00	1.58	0.62	1	4	1	97	0.00	0.0	4.561	0.002	0	0	0	1
PL.34914	PD.5168	A	6 A (CWC)	7.40Y	123.4	0.00	1.58	0.62	0	4	1	97	0.00	0.0	4.609	0.048	4	1	1	1
PL.34917	PL.35638	ABC	#3/0 ACSR	7.40Y	123.3	0.08	1.66	88.32	29	1886	541	96	0.94	0.0	4.632	0.072	10	2	4	226
PL.35421	PL.34917	ABC	#3/0 ACSR	7.40Y	123.3	0.02	1.69	87.85	29	1875	537	96	0.26	0.0	4.652	0.020	0	0	0	222
PL.58534	PL.35421	A	#2 ACSR	7.40Y	123.3	0.00	1.69	1.22	1	9	2	98	0.00	0.0	4.654	0.001	0	0	0	3
PD.8709	PL.58534	A	20T	7.40Y	123.3	0.00	1.69	1.22	0	9	2	98	0.00	0.0	4.654	0.001	0	0	0	3
PL.62555	PD.8709	A	#2 ACSR	7.40Y	123.3	0.00	1.69	1.22	1	9	2	98	0.00	0.0	4.667	0.014	0	0	0	3
PL.62552	PL.62555	A	#1/0 ACSR	7.40Y	123.3	0.00	1.69	1.17	1	8	2	97	0.00	0.0	4.687	0.020	0	0	0	1
PL.62553	PL.62552	A	#1/0 ACSR	7.40Y	123.3	0.00	1.69	1.17	1	8	2	97	0.00	0.0	4.730	0.043	0	0	0	1
PL.62554	PL.62553	A	#1/0 ACSR	7.40Y	123.3	0.00	1.69	1.17	1	8	2	97	0.00	0.0	4.770	0.040	8	2	1	1
PL.62551	PL.62555	A	#2 ACSR	7.40Y	123.3	0.00	1.69	0.05	0	0	0	100	0.00	0.0	4.680	0.013	0	0	1	2

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.34916	PL.62551	A	#2 ACSR	7.40Y	123.3	0.00	1.69	0.05	0	0	0	100	0.00	0.0	4.710	0.030	0	0	1	1
PL.34819	PL.35421	ABC	#3/0 ACSR	7.40Y	123.3	0.06	1.74	87.44	29	1866	535	96	0.66	0.0	4.703	0.051	0	0	0	219
PL.35419	PL.34819	C	6 A (CWC)	7.40Y	123.3	0.00	1.74	0.43	0	3	1	95	0.00	0.0	4.705	0.002	0	0	0	1
PD.5755	PL.35419	C	75QA	7.40Y	123.3	0.00	1.74	0.43	1	3	1	95	0.00	0.0	4.705	0.002	0	0	0	1
PL.35420	PD.5755	C	6 A (CWC)	7.40Y	123.3	0.00	1.74	0.43	0	3	1	95	0.00	0.0	4.779	0.074	3	1	1	1
PL.35418	PL.34819	ABC	#3/0 ACSR	7.39Y	123.2	0.09	1.83	87.30	29	1862	533	96	1.03	0.1	4.784	0.081	8	2	2	218
PL.35422	PL.35418	ABC	#3/0 ACSR	7.39Y	123.1	0.06	1.89	86.90	29	1852	530	96	0.68	0.0	4.838	0.054	14	3	1	216
PL.35423	PL.35422	ABC	#3/0 ACSR	7.39Y	123.1	0.01	1.90	86.27	29	1838	525	96	0.08	0.0	4.845	0.006	0	0	0	215
PL.35424	PL.35423	ABC	#3/0 ACSR	7.38Y	123.0	0.07	1.97	86.22	29	1837	525	96	0.77	0.0	4.907	0.062	0	0	0	214
PL.35425	PL.35424	ABC	#3/0 ACSR	7.38Y	123.0	0.00	1.97	86.22	29	1836	524	96	0.00	0.0	4.907	0.000	0	0	0	214
PL.35426	PL.35425	ABC	#3/0 ACSR	7.38Y	122.9	0.09	2.05	86.22	29	1836	524	96	0.98	0.1	4.985	0.078	0	0	0	214
PL.34436	PL.35426	ABC	#1/0 ACSR	7.38Y	122.9	0.01	2.06	26.62	12	574	133	97	0.04	0.0	5.004	0.019	0	0	0	70
PL.35081	PL.34436	ABC	#1/0 ACSR	7.38Y	122.9	0.00	2.06	26.62	12	574	133	97	0.00	0.0	5.007	0.002	0	0	0	70
PD.5864	PL.35081	ABC	50L	7.38Y	122.9	0.00	2.06	26.62	53	574	133	97	0.00	0.0	5.007	0.002	0	0	0	70
PL.34921	PD.5864	ABC	#1/0 ACSR	7.37Y	122.9	0.02	2.08	26.62	12	574	133	97	0.08	0.0	5.050	0.044	4	1	1	70
PL.36034	PL.34921	ABC	#1/0 ACSR	7.37Y	122.9	0.02	2.11	25.32	11	546	127	97	0.08	0.0	5.100	0.049	10	2	1	65
PL.36295	PL.36034	ABC	#1/0 ACSR	7.37Y	122.8	0.10	2.21	24.03	10	518	120	97	0.37	0.1	5.343	0.244	8	2	2	62
PL.35708	PL.36295	A	#1/0 ACSR	7.37Y	122.8	0.00	2.21	8.92	4	64	15	97	0.00	0.0	5.344	0.001	0	0	0	7
PD.5084	PL.35708	A	60QA	7.37Y	122.8	0.00	2.21	8.92	15	64	15	97	0.00	0.0	5.344	0.001	0	0	0	7
PL.35341	PD.5084	A	#1/0 ACSR	7.37Y	122.8	0.01	2.22	8.92	4	64	15	97	0.00	0.0	5.401	0.057	0	0	0	7
PL.35709	PL.35341	A	#1/0 ACSR	7.37Y	122.8	0.01	2.23	8.92	4	64	15	97	0.00	0.0	5.456	0.055	0	0	0	7
PL.34445	PL.35709	A	#2 ACSR	7.37Y	122.8	0.00	2.23	1.59	1	11	3	96	0.00	0.0	5.515	0.059	11	3	1	1
PL.57827	PL.35709	A	#2 ACSR	7.37Y	122.8	0.00	2.23	1.78	1	13	3	97	0.00	0.0	5.488	0.032	3	1	1	2
PL.57828	PL.57827	A	#1/0 ACSR	7.37Y	122.8	0.00	2.23	1.30	1	9	2	98	0.00	0.0	5.534	0.046	9	2	1	1
PL.35495	PL.35709	A	#1/0 ACSR	7.37Y	122.8	0.01	2.24	5.55	2	40	9	98	0.00	0.0	5.580	0.124	11	3	1	4
PL.34911	PL.35495	A	#1/0 ACSR	7.37Y	122.8	0.00	2.25	3.28	1	24	5	98	0.00	0.0	5.666	0.086	24	5	2	2
PL.35143	PL.35495	A	#2 ACSR	7.37Y	122.8	0.00	2.24	0.78	0	6	1	99	0.00	0.0	5.604	0.023	6	1	1	1
PL.35147	PL.36295	ABC	#1/0 ACSR	7.36Y	122.7	0.06	2.27	20.70	9	446	103	97	0.19	0.0	5.512	0.169	0	0	0	53
PL.35968	PL.35147	A	#1/0 ACSR	7.36Y	122.7	0.00	2.27	0.65	0	5	1	98	0.00	0.0	5.565	0.052	5	1	1	1
PL.36780	PL.35968	A	#1/0 ACSR	7.36Y	122.7	0.00	2.27	0.00	0	0	0	100	0.00	0.0	5.609	0.044	0	0	0	0
PL.35344	PL.35147	A	#4 ACSR	7.36Y	122.7	0.00	2.27	9.97	8	72	17	97	0.00	0.0	5.514	0.002	0	0	0	9

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.5741	PL.35344	A	25T	7.36Y	122.7	0.00	2.27	9.97	0	72	17	97	0.00	0.0	5.514	0.002	0	0	0	9
PL.35345	PD.5741	A	#4 ACSR	7.36Y	122.7	0.03	2.30	9.97	8	72	17	97	0.01	0.0	5.594	0.080	29	7	3	9
PL.35791	PL.35345	A	#4 ACSR	7.36Y	122.7	0.04	2.34	5.99	5	43	10	97	0.01	0.0	5.761	0.167	9	2	2	6
PL.33712	PL.35791	A	#4 ACSR	7.36Y	122.7	0.00	2.34	2.99	2	21	5	97	0.00	0.0	5.811	0.050	21	5	3	3
PL.62787	PL.35791	A	#4 ACSR	7.36Y	122.7	0.00	2.34	1.80	1	13	3	97	0.00	0.0	5.830	0.069	13	3	1	1
PL.35342	PL.35147	A	#1/0 ACSR	7.36Y	122.7	0.00	2.27	0.57	0	4	1	97	0.00	0.0	5.514	0.002	0	0	0	1
PD.5768	PL.35342	A	40QA	7.36Y	122.7	0.00	2.27	0.57	1	4	1	97	0.00	0.0	5.514	0.002	0	0	0	1
PL.35343	PD.5768	A	#1/0 ACSR	7.36Y	122.7	0.00	2.27	0.57	0	4	1	97	0.00	0.0	5.568	0.054	4	1	1	1
PL.34075	PL.35147	ABC	#1/0 ACSR	7.36Y	122.7	0.07	2.34	16.97	7	365	84	97	0.18	0.0	5.749	0.237	0	0	0	42
PL.34689	PL.34075	C	6 A (CWC)	7.36Y	122.7	0.00	2.34	12.99	9	93	20	98	0.00	0.0	5.750	0.001	0	0	0	10
PD.5172	PL.34689	C	30QA	7.36Y	122.7	0.00	2.34	12.99	43	93	20	98	0.00	0.0	5.750	0.001	0	0	0	10
PL.34690	PD.5172	C	6 A (CWC)	7.36Y	122.6	0.05	2.39	12.99	9	93	20	98	0.03	0.0	5.842	0.092	17	4	2	10
PL.33746	PL.34690	C	6 A (CWC)	7.35Y	122.6	0.06	2.45	10.62	8	76	16	98	0.03	0.0	5.966	0.124	9	2	1	8
PL.33747	PL.33746	C	6 A (CWC)	7.35Y	122.5	0.03	2.48	8.54	6	61	13	98	0.01	0.0	6.065	0.099	13	3	2	6
PL.35772	PL.33747	C	6 A (CWC)	7.35Y	122.5	0.00	2.48	3.00	2	22	4	98	0.00	0.0	6.070	0.005	0	0	0	1
PL.36177	PL.35772	C	1/0 AL URD	7.35Y	122.5	0.00	2.48	3.00	2	22	4	98	0.00	0.0	6.070	0.001	0	0	0	1
PD.5256	PL.36177	C	40QA	7.35Y	122.5	0.00	2.48	3.00	8	22	4	98	0.00	0.0	6.070	0.001	0	0	0	1
PL.37094	PD.5256	C	1/0 AL URD	7.35Y	122.5	0.03	2.51	3.00	2	22	4	98	0.01	0.0	6.404	0.334	0	0	0	1
PL.36869	PL.37094	C	1/0 AL URD	7.35Y	122.5	0.00	2.51	3.04	2	22	5	98	0.00	0.0	6.406	0.002	22	5	1	1
PL.35917	PL.33747	C	6 A (CWC)	7.35Y	122.5	0.00	2.48	3.69	3	26	6	97	0.00	0.0	6.095	0.031	10	2	1	3
PL.35918	PL.35917	C	6 A (CWC)	7.35Y	122.5	0.00	2.48	0.00	0	0	0	100	0.00	0.0	6.191	0.096	0	0	0	0
PL.34604	PL.35917	C	#1/0 ACSR	7.35Y	122.5	0.00	2.48	2.26	1	16	4	97	0.00	0.0	6.143	0.048	16	4	2	2
PL.34492	PL.33746	C	#1/0 ACSR	7.35Y	122.6	0.00	2.45	0.87	0	6	1	99	0.00	0.0	5.990	0.024	6	1	1	1
PL.34687	PL.34075	B	#1/0 ACSR	7.36Y	122.7	0.00	2.34	37.91	16	272	64	97	0.00	0.0	5.750	0.001	0	0	0	32
PD.5083	PL.34687	B	60QA	7.36Y	122.7	0.00	2.34	37.91	63	272	64	97	0.00	0.0	5.750	0.001	0	0	0	32
PL.34688	PD.5083	B	#1/0 ACSR	7.35Y	122.6	0.08	2.42	37.91	16	272	64	97	0.14	0.1	5.843	0.093	0	0	0	32
PL.35525	PL.34688	B	6 A (CWC)	7.35Y	122.6	0.00	2.42	4.91	4	35	8	97	0.00	0.0	5.861	0.018	6	1	1	5
PL.35526	PL.35525	B	6 A (CWC)	7.35Y	122.6	0.01	2.43	4.13	3	30	7	97	0.00	0.0	5.906	0.045	9	2	1	4
PL.66251	PL.35526	B	#1/0 ACSR	7.35Y	122.6	0.00	2.43	0.00	0	0	0	100	0.00	0.0	5.933	0.027	0	0	0	0
PL.35524	PL.35526	B	6 A (CWC)	7.35Y	122.6	0.00	2.43	2.90	2	21	5	97	0.00	0.0	5.931	0.025	0	0	0	3
PL.35527	PL.35524	B	6 A (CWC)	7.35Y	122.6	0.00	2.44	2.57	2	18	4	98	0.00	0.0	5.946	0.016	11	3	1	2

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.35528	PL.35527	B	6 A (CWC)	7.35Y	122.6	0.00	2.44	1.03	1	7	2	96	0.00	0.0	5.959	0.012	7	2	1	1
PL.35920	PL.35524	B	6 A (CWC)	7.35Y	122.6	0.00	2.44	0.34	0	2	1	89	0.00	0.0	6.078	0.147	2	1	1	1
PL.35508	PL.34688	B	6 A (CWC)	7.35Y	122.6	0.01	2.43	4.95	4	35	8	97	0.00	0.0	5.871	0.028	11	3	1	5
PL.35491	PL.35508	B	6 A (CWC)	7.35Y	122.6	0.01	2.44	3.41	2	24	6	97	0.00	0.0	5.954	0.083	0	0	0	4
PL.56321	PL.35491	B	#1/0 ACSR	7.35Y	122.6	0.00	2.44	1.24	1	9	2	98	0.00	0.0	5.975	0.021	9	2	1	1
PL.56322	PL.35491	B	6 A (CWC)	7.35Y	122.6	0.00	2.44	2.16	2	15	4	97	0.00	0.0	5.980	0.026	0	0	1	3
PL.56323	PL.56322	B	6 A (CWC)	7.35Y	122.6	0.00	2.44	2.16	2	15	4	97	0.00	0.0	6.015	0.035	3	1	1	2
PL.56324	PL.56323	B	6 A (CWC)	7.35Y	122.5	0.01	2.45	1.69	1	12	3	97	0.00	0.0	6.105	0.091	0	0	0	1
PL.36422	PL.56324	B	6 A (CWC)	7.35Y	122.5	0.00	2.45	1.69	1	12	3	97	0.00	0.0	6.143	0.038	12	3	1	1
PL.34127	PL.34688	B	6 A (CWC)	7.35Y	122.5	0.12	2.54	28.04	20	201	47	97	0.18	0.1	5.945	0.102	15	4	1	22
PL.59125	PL.34127	B	#4 ACSR	7.35Y	122.5	0.00	2.55	2.57	2	18	4	98	0.00	0.0	6.025	0.081	18	4	3	3
PL.35318	PL.34127	B	6 A (CWC)	7.34Y	122.3	0.14	2.69	23.34	17	167	39	97	0.17	0.1	6.091	0.146	20	5	2	18
PL.36154	PL.35318	B	6 A (CWC)	7.34Y	122.3	0.05	2.74	17.01	12	122	28	97	0.05	0.0	6.160	0.069	5	1	1	13
PL.36417	PL.36154	B	6 A (CWC)	7.33Y	122.2	0.04	2.78	16.33	12	117	27	97	0.03	0.0	6.211	0.051	12	3	1	12
PL.36418	PL.36417	B	6 A (CWC)	7.33Y	122.2	0.04	2.81	14.59	10	104	24	97	0.03	0.0	6.273	0.062	17	4	1	11
PL.36419	PL.36418	B	6 A (CWC)	7.33Y	122.2	0.03	2.84	12.20	9	87	20	97	0.02	0.0	6.321	0.048	6	1	1	10
PL.36420	PL.36419	B	6 A (CWC)	7.33Y	122.2	0.01	2.85	7.43	5	53	12	98	0.00	0.0	6.354	0.033	12	3	2	6
PL.33890	PL.36420	B	6 A (CWC)	7.33Y	122.1	0.01	2.86	5.72	4	41	10	97	0.00	0.0	6.416	0.062	15	3	2	4
PL.33891	PL.33890	B	6 A (CWC)	7.33Y	122.1	0.01	2.87	3.66	3	26	6	97	0.00	0.0	6.482	0.065	26	6	2	2
PL.34132	PL.36419	B	#4 ACSR	7.33Y	122.2	0.01	2.85	3.89	3	28	6	98	0.00	0.0	6.375	0.054	12	3	1	3
PL.36423	PL.34132	B	#4 ACSR	7.33Y	122.2	0.00	2.85	2.28	2	16	4	97	0.00	0.0	6.388	0.013	0	0	0	2
PL.36421	PL.36423	B	#4 ACSR	7.33Y	122.1	0.00	2.85	2.28	2	16	4	97	0.00	0.0	6.418	0.030	16	4	2	2
PL.35621	PL.35318	B	#4 ACSR	7.34Y	122.3	0.01	2.70	3.48	3	25	6	97	0.00	0.0	6.178	0.087	25	6	3	3
PL.36296	PL.36034	A	#4 ACSR	7.37Y	122.9	0.00	2.11	2.44	2	18	4	98	0.00	0.0	5.101	0.002	0	0	0	2
PD.5691	PL.36296	A	25QA	7.37Y	122.9	0.00	2.11	2.44	10	18	4	98	0.00	0.0	5.101	0.002	0	0	0	2
PL.36297	PD.5691	A	#4 ACSR	7.37Y	122.9	0.00	2.11	2.44	2	18	4	98	0.00	0.0	5.147	0.046	11	3	1	2
PL.59914	PL.36297	A	#1/0 ACSR	7.37Y	122.9	0.00	2.11	0.84	0	6	1	99	0.00	0.0	5.179	0.032	6	1	1	1
PL.34922	PL.34921	A	#1/0 ACSR	7.37Y	122.9	0.00	2.08	3.32	1	24	6	97	0.00	0.0	5.051	0.001	0	0	0	4
PD.5255	PL.34922	A	40QA	7.37Y	122.9	0.00	2.08	3.32	8	24	6	97	0.00	0.0	5.051	0.001	0	0	0	4
PL.34925	PD.5255	A	#1/0 ACSR	7.37Y	122.9	0.00	2.09	3.32	1	24	6	97	0.00	0.0	5.095	0.043	24	6	4	4
PL.35552	PL.35426	ABC	#3/0 ACSR	7.38Y	122.9	0.01	2.06	59.64	20	1261	389	96	0.05	0.0	4.994	0.009	19	5	2	144

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PL.35553	PL.35552	C	6 A (CWC)	7.38Y	122.9	0.00	2.06	2.30	2	17	4	97	0.00	0.0	4.996	0.002	0	0	0	4	
PD.5164	PL.35553	C	75QA	7.38Y	122.9	0.00	2.06	2.30	3	17	4	97	0.00	0.0	4.996	0.002	0	0	0	4	
PL.35554	PD.5164	C	6 A (CWC)	7.38Y	122.9	0.00	2.06	2.30	2	17	4	97	0.00	0.0	5.055	0.059	17	4	4	4	
PL.35053	PL.35552	ABC	#3/0 ACSR	7.37Y	122.9	0.05	2.11	57.98	19	1225	381	95	0.35	0.0	5.056	0.062	3	1	1	138	
PL.35054	PL.35053	ABC	#3/0 ACSR	7.37Y	122.9	0.01	2.12	57.84	19	1222	380	95	0.10	0.0	5.073	0.017	29	7	3	137	
PL.35942	PL.35054	ABC	6 A (CWC)	7.37Y	122.9	0.01	2.13	6.21	4	128	50	93	0.01	0.0	5.119	0.046	0	0	0	9	
PL.35943	PL.35942	ABC	6 A (CWC)	7.37Y	122.9	0.01	2.14	6.21	4	128	50	93	0.01	0.0	5.166	0.048	0	0	0	9	
PL.34901	PL.35943	ABC	6 A (CWC)	7.37Y	122.9	0.00	2.14	0.94	1	20	5	97	0.00	0.0	5.182	0.016	20	5	1	1	
PL.34785	PL.35943	ABC	6 A (CWC)	7.37Y	122.8	0.01	2.15	5.28	4	108	46	92	0.01	0.0	5.219	0.053	56	27	1	8	
PL.35496	PL.34785	ABC	6 A (CWC)	7.37Y	122.8	0.00	2.15	2.47	2	51	19	94	0.00	0.0	5.253	0.034	51	19	7	7	
PL.34073	PL.35054	ABC	#3/0 ACSR	7.37Y	122.8	0.04	2.16	50.33	17	1065	322	96	0.24	0.0	5.131	0.058	20	5	2	125	
PL.35321	PL.34073	ABC	#1/0 ACSR	7.37Y	122.8	0.01	2.17	27.61	12	589	162	96	0.05	0.0	5.158	0.027	12	3	1	75	
PL.35556	PL.35321	ABC	#1/0 ACSR	7.37Y	122.8	0.02	2.19	26.31	11	561	155	96	0.09	0.0	5.205	0.047	0	0	0	73	
PL.35560	PL.35556	A	6 A (CWC)	7.37Y	122.8	0.00	2.19	4.30	3	31	7	98	0.00	0.0	5.207	0.001	0	0	0	3	
PD.5131	PL.35560	A	75QA	7.37Y	122.8	0.00	2.19	4.30	6	31	7	98	0.00	0.0	5.207	0.001	0	0	0	3	
PL.35561	PD.5131	A	6 A (CWC)	7.37Y	122.8	0.00	2.19	4.30	3	31	7	98	0.00	0.0	5.222	0.015	31	7	3	3	
PL.35557	PL.35556	ABC	#1/0 ACSR	7.37Y	122.8	0.01	2.20	24.88	11	530	148	96	0.04	0.0	5.230	0.025	0	0	0	70	
PL.34700	PL.35557	ABC	#1/0 ACSR	7.37Y	122.8	0.00	2.20	24.88	11	530	148	96	0.00	0.0	5.232	0.001	0	0	0	70	
PD.5855	PL.34700	ABC	70L	7.37Y	122.8	0.00	2.20	24.88	36	530	148	96	0.00	0.0	5.232	0.001	0	0	0	70	
PL.36708	PD.5855	ABC	#1/0 ACSR	7.37Y	122.8	0.02	2.22	24.88	11	530	148	96	0.06	0.0	5.271	0.039	0	0	0	70	
PL.56636	PL.36708	ABC	#1/0 ACSR	7.37Y	122.8	0.02	2.24	22.53	10	479	136	96	0.07	0.0	5.321	0.050	0	0	0	65	
C PD.8323	PL.56636	ABC	20QA	7.37Y	122.8	0.00	2.24	22.53	113	479	136	96	0.00	0.0	5.321	0.050	0	0	0	65	C
PL.56637	PD.8323	ABC	#1/0 ACSR	7.37Y	122.8	0.00	2.24	22.53	10	479	136	96	0.00	0.0	5.324	0.003	8	2	2	65	
PL.34915	PL.56637	ABC	#1/0 ACSR	7.36Y	122.7	0.02	2.26	22.16	10	471	134	96	0.06	0.0	5.369	0.045	13	3	1	63	
PL.62103	PL.34915	B	#4 ACSR	7.36Y	122.7	0.00	2.26	5.07	4	36	8	98	0.00	0.0	5.372	0.003	0	0	0	8	
PD.9366	PL.62103	B	20T	7.36Y	122.7	0.00	2.26	5.07	0	36	8	98	0.00	0.0	5.372	0.003	0	0	0	8	
PL.62104	PD.9366	B	#4 ACSR	7.36Y	122.7	0.02	2.28	5.07	4	36	8	98	0.00	0.0	5.441	0.069	0	0	1	8	
PL.34946	PL.62104	B	#4 ACSR	7.36Y	122.7	0.01	2.28	1.21	1	9	2	98	0.00	0.0	5.670	0.230	9	2	3	3	
PL.36008	PL.62104	B	#4 ACSR	7.36Y	122.7	0.00	2.28	3.86	3	28	6	98	0.00	0.0	5.487	0.046	28	6	4	4	
PL.57496	PL.34915	B	#2 ACSR	7.36Y	122.7	0.00	2.26	10.15	6	73	17	97	0.00	0.0	5.374	0.004	0	0	0	8	
PD.8503	PL.57496	B	20T	7.36Y	122.7	0.00	2.26	10.15	0	73	17	97	0.00	0.0	5.374	0.004	0	0	0	8	

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.57497	PD.8503	B	#2 ACSR	7.36Y	122.7	0.01	2.28	10.15	6	73	17	97	0.01	0.0	5.416	0.043	0	0	0	8
PL.34893	PL.57497	B	#2 ACSR	7.36Y	122.7	0.00	2.28	1.58	1	11	3	96	0.00	0.0	5.453	0.037	11	3	2	2
PL.34744	PL.57497	B	#2 ACSR	7.36Y	122.7	0.01	2.29	8.58	5	61	14	97	0.01	0.0	5.477	0.061	15	4	1	6
PL.36379	PL.34744	B	#2 ACSR	7.36Y	122.7	0.01	2.30	6.44	4	46	11	97	0.00	0.0	5.523	0.046	27	6	3	5
PL.36380	PL.36379	B	#2 ACSR	7.36Y	122.7	0.00	2.30	2.63	2	19	4	98	0.00	0.0	5.557	0.034	19	4	2	2
PL.33765	PL.34915	ABC	#1/0 ACSR	7.36Y	122.7	0.02	2.28	16.50	7	349	106	96	0.04	0.0	5.428	0.059	22	5	3	46
PL.56632	PL.33765	A	#2 ACSR	7.36Y	122.7	0.00	2.28	4.45	3	32	7	98	0.00	0.0	5.431	0.003	0	0	0	3
PD.8321	PL.56632	A	20QA	7.36Y	122.7	0.00	2.28	4.45	22	32	7	98	0.00	0.0	5.431	0.003	0	0	0	3
PL.56633	PD.8321	A	#2 ACSR	7.36Y	122.7	0.00	2.28	4.45	3	32	7	98	0.00	0.0	5.472	0.040	32	7	3	3
PL.33767	PL.33765	ABC	#1/0 ACSR	7.36Y	122.7	0.02	2.30	13.95	6	294	93	95	0.05	0.0	5.525	0.097	6	1	1	39
PL.34783	PL.33767	ABC	#1/0 ACSR	7.36Y	122.7	0.01	2.31	11.99	5	251	83	95	0.01	0.0	5.564	0.039	0	0	0	34
PL.33364	PL.34783	ABC	#1/0 ACSR	7.36Y	122.7	0.00	2.32	6.63	3	142	37	97	0.00	0.0	5.594	0.030	14	3	2	25
PL.35187	PL.33364	ABC	#1/0 ACSR	7.36Y	122.7	0.01	2.32	5.03	2	108	25	97	0.01	0.0	5.682	0.087	10	2	1	22
PL.63653	PL.35187	ABC	#1/0 ACSR	7.36Y	122.7	0.00	2.33	4.54	2	98	22	98	0.00	0.0	5.721	0.039	0	0	0	21
PD.9486	PL.63653	ABC	40T	7.36Y	122.7	0.00	2.33	4.54	0	98	22	98	0.00	0.0	5.721	0.039	0	0	0	21
PL.63654	PD.9486	ABC	#1/0 ACSR	7.36Y	122.7	0.00	2.33	4.54	2	98	22	98	0.00	0.0	5.722	0.001	0	0	0	21
PL.63652	PL.63654	ABC	750 MCM AL	7.36Y	122.7	0.00	2.33	4.54	1	98	22	98	0.00	0.0	5.739	0.017	0	0	0	21
PL.63003	PL.63652	ABC	#1/0 ACSR	7.36Y	122.7	0.00	2.33	4.55	2	98	23	97	0.00	0.0	5.741	0.001	0	0	0	21
PD.9487	PL.63003	ABC	30T	7.36Y	122.7	0.00	2.33	4.55	0	98	23	97	0.00	0.0	5.741	0.001	0	0	0	21
PL.63002	PD.9487	ABC	#1/0 ACSR	7.36Y	122.7	0.00	2.33	4.55	2	98	23	97	0.00	0.0	5.752	0.011	0	0	0	21
PL.52811	PL.63002	ABC	#1/0 ACSR	7.36Y	122.7	0.01	2.33	4.55	2	98	23	97	0.00	0.0	5.838	0.086	0	0	0	21
PL.36032	PL.52811	ABC	#1/0 ACSR	7.36Y	122.7	0.00	2.34	4.55	2	98	23	97	0.00	0.0	5.891	0.053	3	1	1	21
PL.34647	PL.36032	ABC	#1/0 ACSR	7.36Y	122.7	0.01	2.35	4.40	2	95	22	97	0.01	0.0	6.007	0.116	0	0	0	20
PL.35761	PL.34647	ABC	#1/0 ACSR	7.36Y	122.6	0.01	2.36	3.71	2	80	19	97	0.00	0.0	6.135	0.128	1	0	2	18
PL.36414	PL.35761	C	#4 ACSR	7.36Y	122.6	0.00	2.36	0.00	0	0	0	100	0.00	0.0	6.148	0.013	0	0	0	0
PL.36415	PL.36414	C	#4 ACSR	7.36Y	122.6	0.00	2.36	0.00	0	0	0	100	0.00	0.0	6.202	0.055	0	0	0	0
PL.36413	PL.35761	ABC	#1/0 ACSR	7.36Y	122.6	0.00	2.36	2.62	1	56	13	97	0.00	0.0	6.195	0.060	10	2	2	14
PL.33744	PL.36413	A	#2 ACSR	7.36Y	122.6	0.00	2.36	0.52	0	4	1	97	0.00	0.0	6.196	0.001	0	0	0	1
PD.5257	PL.33744	A	40QA	7.36Y	122.6	0.00	2.36	0.52	1	4	1	97	0.00	0.0	6.196	0.001	0	0	0	1
PL.33745	PD.5257	A	#2 ACSR	7.36Y	122.6	0.00	2.36	0.52	0	4	1	97	0.00	0.0	6.237	0.041	4	1	1	1
PL.36517	PL.36413	ABC	#1/0 ACSR	7.36Y	122.6	0.00	2.36	1.98	1	43	10	97	0.00	0.0	6.260	0.065	0	0	0	11

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.36519	PL.36517	A	#1/0 ACSR	7.36Y	122.6	0.00	2.36	0.00	0	0	0	100	0.00	0.0	6.261	0.002	0	0	0	3
PD.5132	PL.36519	A	10QA	7.36Y	122.6	0.00	2.36	0.00	0	0	0	100	0.00	0.0	6.261	0.002	0	0	0	3
PL.36520	PD.5132	A	#1/0 ACSR	7.36Y	122.6	0.00	2.36	0.00	0	0	0	100	0.00	0.0	6.285	0.024	0	0	3	3
PL.36518	PL.36517	ABC	#1/0 ACSR	7.36Y	122.6	0.01	2.37	1.98	1	43	10	97	0.00	0.0	6.512	0.252	0	0	1	8
PL.62072	PL.36518	ABC	#1/0 ACSR	7.36Y	122.6	0.00	2.37	1.98	1	43	10	97	0.00	0.0	6.591	0.078	0	0	0	7
PL.63004	PL.62072	B	#4 ACSR	7.36Y	122.6	0.00	2.37	5.94	5	43	10	97	0.00	0.0	6.594	0.003	0	0	0	7
PD.9488	PL.63004	B	25T	7.36Y	122.6	0.00	2.37	5.94	0	43	10	97	0.00	0.0	6.594	0.003	0	0	0	7
PL.63005	PD.9488	B	#4 ACSR	7.36Y	122.6	0.01	2.38	5.94	5	43	10	97	0.00	0.0	6.620	0.027	13	3	1	7
PL.61786	PL.63005	B	#4 ACSR	7.36Y	122.6	0.01	2.39	4.19	3	30	7	97	0.00	0.0	6.667	0.046	0	0	0	6
PL.61784	PL.61786	B	#4 ACSR	7.36Y	122.6	0.00	2.39	0.00	0	0	0	100	0.00	0.0	6.712	0.046	0	0	0	0
PL.61785	PL.61786	B	#4 ACSR	7.36Y	122.6	0.02	2.40	4.19	3	30	7	97	0.00	0.0	6.788	0.121	16	4	3	6
PL.51828	PL.61785	B	#4 ACSR	7.36Y	122.6	0.01	2.41	1.92	1	14	3	98	0.00	0.0	6.900	0.111	0	0	0	3
PL.51829	PL.51828	B	#4 ACSR	7.35Y	122.6	0.00	2.42	1.92	1	14	3	98	0.00	0.0	6.949	0.049	0	0	0	3
PL.51983	PL.51829	B	#4 ACSR	7.35Y	122.6	0.00	2.42	1.92	1	14	3	98	0.00	0.0	6.985	0.036	10	2	2	3
PL.51984	PL.51983	B	#4 ACSR	7.35Y	122.6	0.00	2.42	0.57	0	4	1	97	0.00	0.0	7.022	0.036	0	0	0	1
PL.51830	PL.51984	B	#4 ACSR	7.35Y	122.6	0.00	2.42	0.57	0	4	1	97	0.00	0.0	7.103	0.081	4	1	1	1
PL.51831	PL.51829	B	#4 ACSR	7.35Y	122.6	0.00	2.42	0.00	0	0	0	100	0.00	0.0	7.021	0.073	0	0	0	0
PL.51832	PL.51831	B	#4 ACSR	7.35Y	122.6	0.00	2.42	0.00	0	0	0	100	0.00	0.0	7.090	0.069	0	0	0	0
PL.62073	PL.62072	C	6 A (CWC)	7.36Y	122.6	0.00	2.37	0.00	0	0	0	100	0.00	0.0	6.666	0.075	0	0	0	0
PL.36047	PL.62073	C	6 A (CWC)	7.36Y	122.6	0.00	2.37	0.00	0	0	0	100	0.00	0.0	6.724	0.058	0	0	0	0
PL.36416	PL.35761	A	#4 ACSR	7.36Y	122.6	0.00	2.36	3.10	2	22	5	98	0.00	0.0	6.160	0.025	22	5	2	2
PL.36645	PL.36416	A	#4 ACSR	7.36Y	122.6	0.00	2.36	0.00	0	0	0	100	0.00	0.0	6.198	0.038	0	0	0	0
PL.35148	PL.34647	A	#2 ACSR	7.36Y	122.7	0.00	2.35	1.00	1	7	2	96	0.00	0.0	6.040	0.033	7	2	1	1
PL.35253	PL.34647	C	#4 ACSR	7.36Y	122.7	0.00	2.35	1.06	1	8	2	97	0.00	0.0	6.074	0.067	8	2	1	1
PL.34991	PL.33364	C	6 A (CWC)	7.36Y	122.7	0.02	2.33	2.89	2	19	9	90	0.00	0.0	5.710	0.116	0	0	0	1
PL.34964	PL.34991	C	6 A (CWC)	7.36Y	122.7	0.01	2.35	2.89	2	19	9	90	0.00	0.0	5.815	0.105	0	0	0	1
PL.36184	PL.34964	C	6 A (CWC)	7.36Y	122.6	0.00	2.35	2.89	2	19	9	90	0.00	0.0	5.885	0.069	19	9	1	1
PL.34826	PL.34991	C	6 A (CWC)	7.36Y	122.7	0.00	2.33	0.00	0	0	0	100	0.00	0.0	5.746	0.036	0	0	0	0
PL.34465	PL.34783	ABC	#1/0 ACSR	7.36Y	122.7	0.00	2.31	4.01	2	80	39	90	0.00	0.0	5.573	0.010	80	39	1	1
PL.34528	PL.34783	A	6 A (CWC)	7.36Y	122.7	0.01	2.32	4.21	3	30	7	97	0.00	0.0	5.630	0.067	7	2	1	8
PL.34224	PL.34528	A	6 A (CWC)	7.36Y	122.7	0.00	2.32	1.27	1	9	2	98	0.00	0.0	5.698	0.068	9	2	4	4

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.34431	PL.34528	A	#2 ACSR	7.36Y	122.7	0.00	2.32	0.09	0	1	0	100	0.00	0.0	5.675	0.045	1	0	1	1
PL.34957	PL.34528	A	6 A (CWC)	7.36Y	122.7	0.00	2.32	1.92	1	14	3	98	0.00	0.0	5.673	0.043	14	3	2	2
PL.35185	PL.33767	A	#2 ACSR	7.36Y	122.7	0.01	2.31	5.03	3	36	8	98	0.00	0.0	5.569	0.044	0	0	0	4
PL.35186	PL.35185	A	#2 ACSR	7.36Y	122.7	0.00	2.31	1.32	1	9	2	98	0.00	0.0	5.620	0.051	9	2	1	1
PL.35770	PL.35185	A	#2 ACSR	7.36Y	122.7	0.00	2.31	3.72	2	27	6	98	0.00	0.0	5.604	0.035	27	6	3	3
PL.34894	PL.33765	C	#2 ACSR	7.36Y	122.7	0.00	2.28	0.16	0	1	0	100	0.00	0.0	5.430	0.002	0	0	0	1
PD.5690	PL.34894	C	40QA	7.36Y	122.7	0.00	2.28	0.16	0	1	0	100	0.00	0.0	5.430	0.002	0	0	0	1
PL.34895	PD.5690	C	#2 ACSR	7.36Y	122.7	0.00	2.28	0.16	0	1	0	100	0.00	0.0	5.446	0.016	1	0	1	1
PL.35531	PL.36708	C	#4 ACSR	7.37Y	122.8	0.02	2.24	7.06	5	51	12	97	0.01	0.0	5.325	0.054	8	2	1	5
PL.36134	PL.35531	C	#4 ACSR	7.37Y	122.8	0.01	2.24	5.89	5	42	10	97	0.00	0.0	5.361	0.037	19	4	2	4
PL.35797	PL.36134	C	#4 ACSR	7.37Y	122.8	0.00	2.25	3.28	3	24	5	98	0.00	0.0	5.402	0.041	9	2	1	2
PL.36473	PL.35797	C	#4 ACSR	7.36Y	122.7	0.00	2.25	1.97	2	14	3	98	0.00	0.0	5.423	0.021	14	3	1	1
PL.35162	PL.35321	A	6 A (CWC)	7.37Y	122.8	0.00	2.17	2.20	2	16	4	97	0.00	0.0	5.158	0.000	0	0	0	1
PD.5769	PL.35162	A	75QA	7.37Y	122.8	0.00	2.17	2.20	3	16	4	97	0.00	0.0	5.158	0.000	0	0	0	1
PL.35163	PD.5769	A	6 A (CWC)	7.37Y	122.8	0.00	2.17	2.20	2	16	4	97	0.00	0.0	5.180	0.021	16	4	1	1
PL.35555	PL.34073	ABC	#3/0 ACSR	7.37Y	122.8	0.02	2.17	21.81	7	457	155	95	0.05	0.0	5.193	0.062	0	0	0	48
PL.35051	PL.35555	ABC	6 A (CWC)	7.37Y	122.8	0.00	2.17	0.00	0	0	0	100	0.00	0.0	5.194	0.001	0	0	0	0
PD.5793	PL.35051	ABC	75QA	7.37Y	122.8	0.00	2.17	0.00	0	0	0	100	0.00	0.0	5.194	0.001	0	0	0	0
PL.35052	PD.5793	ABC	6 A (CWC)	7.37Y	122.8	0.00	2.17	0.00	0	0	0	100	0.00	0.0	5.246	0.052	0	0	0	0
PL.35529	PL.35555	ABC	#3/0 ACSR	7.37Y	122.8	0.01	2.18	21.81	7	457	155	95	0.02	0.0	5.219	0.026	6	1	1	48
PL.72983	PL.35529	C	#1/0 ACSR	7.37Y	122.8	0.00	2.19	2.40	1	17	4	97	0.00	0.0	5.292	0.073	0	0	1	3
PL.72984	PL.72983	C	#1/0 ACSR	7.37Y	122.8	0.00	2.19	2.40	1	17	4	97	0.00	0.0	5.321	0.029	17	4	2	2
PL.35530	PL.35529	ABC	#3/0 ACSR	7.37Y	122.8	0.03	2.21	20.76	7	434	150	95	0.07	0.0	5.320	0.101	23	5	4	44
PL.35506	PL.35530	ABC	#3/0 ACSR	7.37Y	122.8	0.02	2.23	19.70	7	411	145	94	0.04	0.0	5.390	0.069	14	3	2	38
PL.35505	PL.35506	ABC	#3/0 ACSR	7.37Y	122.8	0.01	2.24	19.06	6	397	141	94	0.02	0.0	5.422	0.032	12	3	1	36
PL.35558	PL.35505	ABC	#3/0 ACSR	7.37Y	122.8	0.01	2.25	16.41	5	339	128	94	0.02	0.0	5.470	0.049	7	2	4	31
PL.35559	PL.35558	ABC	#3/0 ACSR	7.36Y	122.7	0.01	2.26	16.09	5	332	126	93	0.03	0.0	5.528	0.058	0	0	0	27
PL.33922	PL.35559	ABC	#3/0 ACSR	7.36Y	122.7	0.01	2.27	16.09	5	332	126	93	0.02	0.0	5.582	0.054	0	0	0	27
PL.33961	PL.33922	ABC	#3/0 ACSR	7.36Y	122.7	0.00	2.27	6.68	2	143	35	97	0.00	0.0	5.621	0.039	0	0	0	24
PL.34198	PL.33961	ABC	#3/0 ACSR	7.36Y	122.7	0.00	2.28	3.54	1	76	19	97	0.00	0.0	5.732	0.111	4	1	1	14
PL.59915	PL.34198	ABC	#3/0 ACSR	7.36Y	122.7	0.00	2.28	3.35	1	72	19	97	0.00	0.0	5.787	0.055	1	0	5	13

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.59917	PL.59915	ABC	#4 ACSR	7.36Y	122.7	0.00	2.28	0.39	0	8	4	89	0.00	0.0	5.787	0.000	0	0	0	1
PD.5135	PL.59917	ABC	75QA	7.36Y	122.7	0.00	2.28	0.39	1	8	4	89	0.00	0.0	5.787	0.000	0	0	0	1
PL.34128	PD.5135	ABC	#4 ACSR	7.36Y	122.7	0.00	2.28	0.39	0	8	4	89	0.00	0.0	5.807	0.019	8	4	1	1
PL.59919	PL.59915	ABC	#1/0 ACSR	7.36Y	122.7	0.00	2.28	2.90	1	62	14	98	0.00	0.0	5.807	0.020	0	0	0	7
PL.59920	PL.59919	ABC	#1/0 ACSR	7.36Y	122.7	0.00	2.28	2.40	1	52	12	97	0.00	0.0	5.853	0.046	13	3	1	5
PL.59916	PL.59920	ABC	#1/0 ACSR	7.36Y	122.7	0.00	2.28	0.00	0	0	0	100	0.00	0.0	5.897	0.044	0	0	0	0
PD.5877-B	PL.59916	ABC	Open	7.36Y	122.7	0.00	2.28	0.00	0	0	0	100	0.00	0.0	5.897	0.044	0	0	0	0
PL.59918	PL.59920	A	#4 ACSR	7.36Y	122.7	0.00	2.28	5.32	4	38	9	97	0.00	0.0	5.854	0.001	0	0	0	4
PD.5071	PL.59918	A	75QA	7.36Y	122.7	0.00	2.28	5.32	7	38	9	97	0.00	0.0	5.854	0.001	0	0	0	4
PL.36381	PD.5071	A	#4 ACSR	7.36Y	122.7	0.01	2.29	5.32	4	38	9	97	0.00	0.0	5.885	0.031	9	2	1	4
PL.34367	PL.36381	A	#4 ACSR	7.36Y	122.7	0.01	2.30	4.13	3	30	7	97	0.00	0.0	5.929	0.044	11	2	1	3
PL.34366	PL.34367	A	#4 ACSR	7.36Y	122.7	0.01	2.31	2.66	2	19	4	98	0.00	0.0	6.037	0.109	11	2	1	2
PL.33824	PL.34366	A	#4 ACSR	7.36Y	122.7	0.00	2.31	1.18	1	8	2	97	0.00	0.0	6.066	0.029	8	2	1	1
PL.59921	PL.59919	C	1/0 AL URD	7.36Y	122.7	0.00	2.28	1.49	1	11	2	98	0.00	0.0	5.830	0.024	11	2	2	2
PL.36457	PL.33961	C	#4 ACSR	7.36Y	122.7	0.00	2.27	3.75	3	27	6	98	0.00	0.0	5.622	0.001	0	0	0	7
PD.5134	PL.36457	C	75QA	7.36Y	122.7	0.00	2.27	3.75	5	27	6	98	0.00	0.0	5.622	0.001	0	0	0	7
PL.36460	PD.5134	C	#4 ACSR	7.36Y	122.7	0.01	2.28	3.75	3	27	6	98	0.00	0.0	5.686	0.064	3	1	1	7
PL.35076	PL.36460	C	#4 ACSR	7.36Y	122.7	0.00	2.29	1.79	1	13	3	97	0.00	0.0	5.724	0.038	6	1	2	4
PL.35077	PL.35076	C	#4 ACSR	7.36Y	122.7	0.00	2.29	0.94	1	7	2	96	0.00	0.0	5.778	0.055	7	2	2	2
PL.34602	PL.36460	C	#4 ACSR	7.36Y	122.7	0.00	2.28	1.52	1	11	3	96	0.00	0.0	5.701	0.015	11	3	2	2
PL.36455	PL.33961	A	#4 ACSR	7.36Y	122.7	0.00	2.27	5.67	4	41	9	98	0.00	0.0	5.622	0.001	0	0	0	3
PD.5248	PL.36455	A	75QA	7.36Y	122.7	0.00	2.27	5.67	8	41	9	98	0.00	0.0	5.622	0.001	0	0	0	3
PL.36456	PD.5248	A	#4 ACSR	7.36Y	122.7	0.01	2.28	5.67	4	41	9	98	0.00	0.0	5.673	0.051	24	6	2	3
PL.61992	PL.36456	A	1/0 AL URD	7.36Y	122.7	0.01	2.29	2.35	1	17	3	98	0.00	0.0	5.741	0.069	0	0	0	1
PL.61993	PL.61992	A	1/0 AL URD	7.36Y	122.7	0.00	2.29	2.36	1	17	4	97	0.00	0.0	5.817	0.076	17	4	1	1
PL.34608	PL.33922	ABC	#4/0 ACSR	7.36Y	122.7	0.00	2.27	9.50	3	189	91	90	0.00	0.0	5.584	0.002	0	0	0	3
PD.5815	PL.34608	ABC	75QA	7.36Y	122.7	0.00	2.27	9.50	13	189	91	90	0.00	0.0	5.584	0.002	0	0	0	3
PL.34609	PD.5815	ABC	#4/0 ACSR	7.36Y	122.7	0.01	2.28	9.50	3	189	91	90	0.01	0.0	5.673	0.089	0	0	0	3
PL.35078	PL.34609	ABC	#4/0 ACSR	7.36Y	122.7	0.00	2.28	7.48	2	149	72	90	0.00	0.0	5.729	0.057	149	72	2	2
PL.34758	PL.34609	ABC	#4/0 ACSR	7.36Y	122.7	0.00	2.28	2.02	1	40	19	90	0.00	0.0	5.680	0.008	40	19	1	1
PL.34918	PL.35505	C	#4 ACSR	7.37Y	122.8	0.00	2.24	6.36	5	46	11	97	0.00	0.0	5.422	0.000	0	0	0	4

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.5169	PL.34918	C	75QA	7.37Y	122.8	0.00	2.24	6.36	8	46	11	97	0.00	0.0	5.422	0.000	0	0	0	4
PL.59119	PD.5169	C	#4 ACSR	7.37Y	122.8	0.01	2.24	6.36	5	46	11	97	0.00	0.0	5.472	0.050	33	8	3	4
PL.59120	PL.59119	C	#4 ACSR	7.37Y	122.8	0.00	2.25	1.74	1	12	3	97	0.00	0.0	5.507	0.035	12	3	1	1
PL.33748	PL.35530	A	#4 ACSR	7.37Y	122.8	0.00	2.21	0.00	0	0	0	100	0.00	0.0	5.322	0.002	0	0	0	2
PD.5085	PL.33748	A	75QA	7.37Y	122.8	0.00	2.21	0.00	0	0	0	100	0.00	0.0	5.322	0.002	0	0	0	2
PL.33749	PD.5085	A	#4 ACSR	7.37Y	122.8	0.00	2.21	0.00	0	0	0	100	0.00	0.0	5.382	0.060	0	0	2	2
CP.53	PL.35425	ABC	Cap (300)	7.38Y	123.0	0.00	1.97	0.00	0	0	0	100	0.00	0.0	4.907	0.060	0	0	0	0
PL.72981	PL.35423	C	#2 ACSR	7.39Y	123.1	0.00	1.90	0.14	0	1	0	100	0.00	0.0	4.847	0.003	0	0	0	1
PD.11216	PL.72981	C	T	7.39Y	123.1	0.00	1.90	0.14	0	1	0	100	0.00	0.0	4.847	0.003	0	0	0	1
PL.72982	PD.11216	C	#2 ACSR	7.39Y	123.1	0.00	1.90	0.14	0	1	0	100	0.00	0.0	4.864	0.016	1	0	1	1
PL.35636	PL.35629	C	#2 ACSR	7.41Y	123.5	0.00	1.52	0.90	1	6	2	95	0.00	0.0	4.501	0.001	0	0	0	1
PD.5740	PL.35636	C	60QA	7.41Y	123.5	0.00	1.52	0.90	1	6	2	95	0.00	0.0	4.501	0.001	0	0	0	1
PL.35637	PD.5740	C	#2 ACSR	7.41Y	123.5	0.00	1.52	0.90	1	6	2	95	0.00	0.0	4.567	0.066	6	2	1	1
PL.34428	PL.35507	A	#1/0 ACSR	7.41Y	123.5	0.00	1.46	2.50	1	18	4	98	0.00	0.0	4.491	0.042	18	4	1	1
PL.56333	PL.35507	ABC	#4 ACSR	7.41Y	123.5	0.00	1.46	2.88	2	62	15	97	0.00	0.0	4.456	0.007	12	3	3	17
PL.56332	PL.56333	ABC	#4 ACSR	7.41Y	123.5	0.01	1.47	2.32	2	50	12	97	0.01	0.0	4.615	0.159	0	0	0	14
PL.35683	PL.56332	ABC	#4 ACSR	7.41Y	123.5	0.00	1.47	0.00	0	0	0	100	0.00	0.0	4.672	0.057	0	0	0	0
PD.5878-B	PL.35683	ABC	Open	7.41Y	123.5	0.00	1.47	0.00	0	0	0	100	0.00	0.0	4.672	0.057	0	0	0	0
PL.35684	PL.56332	C	6 A (CWC)	7.41Y	123.5	0.02	1.49	6.95	5	50	12	97	0.01	0.0	4.689	0.074	15	3	4	14
PL.62549	PL.35684	C	6 A (CWC)	7.41Y	123.5	0.01	1.50	4.92	4	36	8	98	0.00	0.0	4.717	0.028	2	0	1	10
PL.62550	PL.62549	C	#1/0 ACSR	7.41Y	123.5	0.00	1.50	4.67	2	34	8	97	0.00	0.0	4.738	0.022	24	5	7	9
PL.35924	PL.62550	C	6 A (CWC)	7.41Y	123.5	0.00	1.50	1.40	1	10	2	98	0.00	0.0	4.765	0.027	10	2	2	2
PL.34980	PL.56332	B	6 A (CWC)	7.41Y	123.5	0.00	1.47	0.00	0	0	0	100	0.00	0.0	4.698	0.083	0	0	0	0
PL.34352	PL.35696	A	6 A (CWC)	7.42Y	123.6	0.00	1.35	2.21	2	16	4	97	0.00	0.0	4.360	0.000	0	0	0	2
PD.5167	PL.34352	A	75QA	7.42Y	123.6	0.00	1.35	2.21	3	16	4	97	0.00	0.0	4.360	0.000	0	0	0	2
PL.34353	PD.5167	A	6 A (CWC)	7.42Y	123.6	0.00	1.35	2.21	2	16	4	97	0.00	0.0	4.378	0.018	16	4	2	2
PL.34354	PL.35696	C	6 A (CWC)	7.42Y	123.6	0.00	1.35	1.34	1	10	2	98	0.00	0.0	4.360	0.001	0	0	0	1
PD.5707	PL.34354	C	75QA	7.42Y	123.6	0.00	1.35	1.34	2	10	2	98	0.00	0.0	4.360	0.001	0	0	0	1
PL.34355	PD.5707	C	6 A (CWC)	7.42Y	123.6	0.00	1.36	1.34	1	10	2	98	0.00	0.0	4.492	0.132	10	2	1	1
PL.36506	PL.34782	C	6 A (CWC)	7.43Y	123.8	0.00	1.18	1.42	1	10	2	98	0.00	0.0	4.218	0.001	0	0	0	1
PD.5166	PL.36506	C	75QA	7.43Y	123.8	0.00	1.18	1.42	2	10	2	98	0.00	0.0	4.218	0.001	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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.36336	PD.5166	C	6 A (CWC)	7.43Y	123.8	0.00	1.18	1.42	1	10	2	98	0.00	0.0	4.252	0.033	10	2	1	1
PL.33702	PL.36336	C	6 A (CWC)	7.43Y	123.8	0.00	1.18	0.00	0	0	0	100	0.00	0.0	4.288	0.036	0	0	0	0
PL.33521	PL.33702	C	#4 ACSR	7.43Y	123.8	0.00	1.18	0.00	0	0	0	100	0.00	0.0	4.289	0.001	0	0	0	0
PL.36016	PL.35161	ABC	#3/0 ACSR	7.43Y	123.9	0.00	1.13	0.00	0	0	0	100	0.00	0.0	4.195	0.050	0	0	0	0
PD.5868-B	PL.36016	ABC	Open	7.43Y	123.9	0.00	1.13	0.00	0	0	0	100	0.00	0.0	4.195	0.050	0	0	0	0
PL.34843	PL.35159	C	#4 ACSR	7.44Y	124.0	0.00	1.01	1.17	1	8	2	97	0.00	0.0	3.972	0.001	0	0	0	1
PD.5165	PL.34843	C	75QA	7.44Y	124.0	0.00	1.01	1.17	2	8	2	97	0.00	0.0	3.972	0.001	0	0	0	1
PL.34844	PD.5165	C	#4 ACSR	7.44Y	124.0	0.00	1.01	1.17	1	8	2	97	0.00	0.0	4.042	0.070	8	2	1	1
PL.36616	PL.36479	A	6 A (CWC)	7.23Y	120.5	0.00	4.53	1.93	1	14	3	98	0.00	0.0	3.497	0.000	0	0	0	4
PD.5041	PL.36616	A	75QA	7.23Y	120.5	0.00	4.53	1.93	3	14	3	98	0.00	0.0	3.497	0.000	0	0	0	4
PL.36617	PD.5041	A	6 A (CWC)	7.23Y	120.5	0.00	4.54	1.93	1	14	3	98	0.00	0.0	3.576	0.078	9	2	2	4
PL.36771	PL.36617	A	6 A (CWC)	7.23Y	120.5	0.00	4.54	0.65	0	5	1	98	0.00	0.0	3.603	0.028	0	0	1	2
PL.36713	PL.36771	A	6 A (CWC)	7.23Y	120.5	0.00	4.54	0.59	0	4	1	97	0.00	0.0	3.623	0.020	4	1	1	1
PL.52037	PL.33377	C	6 A (CWC)	7.23Y	120.5	0.00	4.47	1.82	1	13	3	97	0.00	0.0	3.414	0.001	0	0	0	2
PD.8000	PL.52037	C	40QA	7.23Y	120.5	0.00	4.47	1.82	5	13	3	97	0.00	0.0	3.414	0.001	0	0	0	2
PL.52038	PD.8000	C	6 A (CWC)	7.23Y	120.5	0.00	4.47	1.82	1	13	3	97	0.00	0.0	3.451	0.037	13	3	2	2
PL.35395	PL.33377	ABC	#1/0 ACSR	7.23Y	120.5	0.00	4.47	0.90	0	19	4	98	0.00	0.0	3.580	0.166	0	0	0	2
PL.59691	PL.35395	ABC	#1/0 ACSR	7.23Y	120.5	0.00	4.47	0.00	0	0	0	100	0.00	0.0	3.599	0.019	0	0	0	0
PL.35396	PL.35395	A	#4 ACSR	7.23Y	120.5	0.00	4.47	2.69	2	19	4	98	0.00	0.0	3.581	0.002	0	0	0	2
PD.5210	PL.35396	A	75QA	7.23Y	120.5	0.00	4.47	2.69	4	19	4	98	0.00	0.0	3.581	0.002	0	0	0	2
PL.35397	PD.5210	A	#4 ACSR	7.23Y	120.5	0.01	4.48	2.69	2	19	4	98	0.00	0.0	3.730	0.148	19	4	2	2
PL.34542	PL.52034	ABC	#1/0 ACSR	7.23Y	120.6	0.03	4.44	23.86	10	504	118	97	0.12	0.0	3.412	0.082	0	0	0	57
PL.35991	PL.34542	ABC	#1/0 ACSR	7.23Y	120.6	0.00	4.44	23.86	10	504	118	97	0.00	0.0	3.414	0.001	0	0	0	57
PD.5780	PL.35991	ABC	50L	7.23Y	120.6	0.00	4.44	23.86	48	504	118	97	0.00	0.0	3.414	0.001	0	0	0	57
PL.35992	PD.5780	ABC	#1/0 ACSR	7.23Y	120.5	0.02	4.46	23.86	10	504	118	97	0.09	0.0	3.471	0.057	0	0	0	57
PL.35521	PL.35992	B	#2 ACSR	7.23Y	120.5	0.00	4.46	8.14	5	57	13	97	0.00	0.0	3.484	0.013	13	3	1	5
PL.35908	PL.35521	B	#2 ACSR	7.23Y	120.5	0.00	4.47	6.29	4	44	10	98	0.00	0.0	3.504	0.020	22	5	2	4
PL.34358	PL.35908	B	#2 ACSR	7.23Y	120.5	0.00	4.47	3.20	2	23	5	98	0.00	0.0	3.553	0.048	23	5	2	2
PL.34357	PL.35992	ABC	#1/0 ACSR	7.23Y	120.5	0.02	4.48	21.15	9	447	104	97	0.07	0.0	3.531	0.060	0	0	0	52
PL.34434	PL.34357	ABC	#1/0 ACSR	7.23Y	120.5	0.01	4.49	4.01	2	85	20	97	0.00	0.0	3.611	0.080	9	2	1	13
PL.34297	PL.34434	B	6 A (CWC)	7.23Y	120.4	0.07	4.56	7.00	5	49	11	98	0.03	0.1	3.892	0.281	16	4	3	7

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: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.35665	PL.34297	B	#2 ACSR	7.23Y	120.4	0.00	4.57	1.24	1	9	2	98	0.00	0.0	3.938	0.045	0	0	0	1
PL.34745	PL.35665	B	#2 ACSR	7.23Y	120.4	0.00	4.57	1.24	1	9	2	98	0.00	0.0	3.964	0.027	9	2	1	1
PL.34298	PL.34297	B	6 A (CWC)	7.23Y	120.4	0.00	4.57	3.48	2	24	6	97	0.00	0.0	3.924	0.032	0	0	0	3
PL.34295	PL.34298	B	#4 ACSR	7.23Y	120.4	0.00	4.57	2.41	2	17	4	97	0.00	0.0	3.986	0.062	17	4	2	2
PL.34296	PL.34298	B	6 A (CWC)	7.23Y	120.4	0.00	4.57	1.07	1	8	2	97	0.00	0.0	4.028	0.104	8	2	1	1
PL.33997	PL.34434	B	#4 ACSR	7.23Y	120.5	0.01	4.50	3.77	3	27	6	98	0.00	0.0	3.671	0.059	0	0	0	5
PL.34864	PL.33997	B	6 A (CWC)	7.23Y	120.5	0.00	4.50	0.38	0	3	1	95	0.00	0.0	3.711	0.041	3	1	1	1
PL.33865	PL.33997	B	#2 ACSR	7.23Y	120.5	0.00	4.50	0.58	0	4	1	97	0.00	0.0	3.695	0.024	4	1	1	1
PL.61982	PL.33997	B	#4 ACSR	7.23Y	120.5	0.00	4.50	2.81	2	20	5	97	0.00	0.0	3.707	0.036	0	0	0	3
PL.61981	PL.61982	B	#4 ACSR	7.23Y	120.5	0.00	4.50	0.00	0	0	0	100	0.00	0.0	3.758	0.051	0	0	0	0
PL.61983	PL.61982	B	#4 ACSR	7.23Y	120.5	0.00	4.51	2.81	2	20	5	97	0.00	0.0	3.752	0.045	12	3	2	3
PL.61984	PL.61983	B	#4 ACSR	7.23Y	120.5	0.00	4.51	1.12	1	8	2	97	0.00	0.0	3.788	0.036	8	2	1	1
PL.33732	PL.34357	ABC	#1/0 ACSR	7.23Y	120.5	0.02	4.51	17.14	7	362	84	97	0.06	0.0	3.603	0.072	9	2	2	39
PL.35398	PL.33732	ABC	#1/0 ACSR	7.22Y	120.4	0.08	4.59	16.70	7	353	82	97	0.20	0.1	3.879	0.276	0	0	0	37
PL.35399	PL.35398	ABC	#1/0 ACSR	7.22Y	120.4	0.02	4.61	14.07	6	297	69	97	0.05	0.0	3.979	0.100	0	0	0	31
PL.35302	PL.35399	B	#2 ACSR	7.22Y	120.4	0.00	4.61	0.72	0	5	1	98	0.00	0.0	3.980	0.001	0	0	0	1
PD.5848	PL.35302	B	40QA	7.22Y	120.4	0.00	4.61	0.72	2	5	1	98	0.00	0.0	3.980	0.001	0	0	0	1
PL.33982	PD.5848	B	#2 ACSR	7.22Y	120.4	0.00	4.61	0.72	0	5	1	98	0.00	0.0	4.018	0.039	5	1	1	1
PL.33983	PL.35399	B	#4 ACSR	7.22Y	120.4	0.00	4.61	3.09	2	22	5	98	0.00	0.0	3.980	0.001	0	0	0	2
PD.5097	PL.33983	B	20T	7.22Y	120.4	0.00	4.61	3.09	0	22	5	98	0.00	0.0	3.980	0.001	0	0	0	2
PL.34368	PD.5097	B	#4 ACSR	7.22Y	120.4	0.01	4.63	3.09	2	22	5	98	0.00	0.0	4.098	0.118	7	2	1	2
PL.34369	PL.34368	B	#4 ACSR	7.22Y	120.4	0.00	4.63	2.13	2	15	3	98	0.00	0.0	4.170	0.072	15	3	1	1
PL.35301	PL.35399	ABC	#1/0 ACSR	7.22Y	120.4	0.01	4.62	12.81	6	270	63	97	0.02	0.0	4.021	0.042	12	3	1	28
PL.33985	PL.35301	B	#4 ACSR	7.22Y	120.4	0.00	4.62	2.55	2	18	4	98	0.00	0.0	4.021	0.001	0	0	0	2
PD.5260	PL.33985	B	40QA	7.22Y	120.4	0.00	4.62	2.55	6	18	4	98	0.00	0.0	4.021	0.001	0	0	0	2
PL.33986	PD.5260	B	#4 ACSR	7.22Y	120.4	0.00	4.62	2.55	2	18	4	98	0.00	0.0	4.044	0.023	7	2	1	2
PL.33987	PL.33986	B	#4 ACSR	7.22Y	120.4	0.00	4.63	1.53	1	11	3	96	0.00	0.0	4.118	0.074	11	3	1	1
PL.33984	PL.35301	ABC	#1/0 ACSR	7.22Y	120.4	0.01	4.64	11.37	5	240	56	97	0.03	0.0	4.095	0.075	0	0	0	25
PL.34945	PL.33984	ABC	#1/0 ACSR	7.22Y	120.4	0.01	4.64	9.98	4	211	49	97	0.01	0.0	4.136	0.041	6	1	1	22
PL.33869	PL.34945	ABC	#1/0 ACSR	7.22Y	120.3	0.01	4.65	9.71	4	205	48	97	0.01	0.0	4.188	0.052	28	7	2	21
PL.33870	PL.33869	ABC	#1/0 ACSR	7.22Y	120.3	0.01	4.66	8.37	4	177	41	97	0.01	0.0	4.250	0.062	20	5	2	19

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.33867	PL.33870	B	#4 ACSR	7.22Y	120.3	0.00	4.66	4.74	4	33	8	97	0.00	0.0	4.252	0.003	0	0	0	2
PD.5259	PL.33867	B	40QA	7.22Y	120.3	0.00	4.66	4.74	12	33	8	97	0.00	0.0	4.252	0.003	0	0	0	2
PL.33868	PD.5259	B	#4 ACSR	7.22Y	120.3	0.01	4.67	4.74	4	33	8	97	0.00	0.0	4.292	0.040	17	4	1	2
PL.34205	PL.33868	B	#4 ACSR	7.22Y	120.3	0.00	4.67	2.38	2	17	4	97	0.00	0.0	4.312	0.020	17	4	1	1
PL.33713	PL.33870	A	1/0 AL URD	7.22Y	120.3	0.00	4.66	0.47	0	3	1	95	0.00	0.0	4.296	0.046	3	1	1	1
PL.33366	PL.33870	ABC	#1/0 ACSR	7.22Y	120.3	0.01	4.67	5.68	2	120	28	97	0.01	0.0	4.358	0.109	13	3	4	14
PL.35207	PL.33366	B	#2 ACSR	7.22Y	120.3	0.00	4.67	14.08	8	99	23	97	0.00	0.0	4.359	0.001	0	0	0	9
PD.5096	PL.35207	B	40QA	7.22Y	120.3	0.00	4.67	14.08	35	99	23	97	0.00	0.0	4.359	0.001	0	0	0	9
PL.35208	PD.5096	B	#2 ACSR	7.22Y	120.3	0.01	4.68	14.08	8	99	23	97	0.01	0.0	4.397	0.037	19	4	2	9
PL.34547	PL.35208	B	#2 ACSR	7.22Y	120.3	0.01	4.70	11.38	7	80	19	97	0.01	0.0	4.440	0.044	26	6	2	7
PL.34287	PL.34547	B	#2 ACSR	7.22Y	120.3	0.01	4.71	7.73	4	54	13	97	0.00	0.0	4.502	0.061	25	6	2	5
PL.34288	PL.34287	B	#2 ACSR	7.22Y	120.3	0.00	4.71	4.19	2	29	7	97	0.00	0.0	4.523	0.022	29	7	3	3
PL.35209	PL.33366	B	#2 ACSR	7.22Y	120.3	0.00	4.67	1.07	1	8	2	97	0.00	0.0	4.359	0.001	0	0	0	1
PD.5847	PL.35209	B	40QA	7.22Y	120.3	0.00	4.67	1.07	3	8	2	97	0.00	0.0	4.359	0.001	0	0	0	1
PL.34999	PD.5847	B	#2 ACSR	7.22Y	120.3	0.00	4.67	1.07	1	8	2	97	0.00	0.0	4.519	0.159	8	2	1	1
PL.33108	PL.33984	B	#4 ACSR	7.22Y	120.4	0.00	4.64	1.69	1	12	3	97	0.00	0.0	4.148	0.053	12	3	1	1
PL.33988	PL.33984	B	#4 ACSR	7.22Y	120.4	0.00	4.64	2.46	2	17	4	97	0.00	0.0	4.096	0.001	0	0	0	2
PD.5254	PL.33988	B	40QA	7.22Y	120.4	0.00	4.64	2.46	6	17	4	97	0.00	0.0	4.096	0.001	0	0	0	2
PL.33990	PD.5254	B	#4 ACSR	7.22Y	120.4	0.00	4.64	2.46	2	17	4	97	0.00	0.0	4.137	0.041	17	4	2	2
PL.34606	PL.35398	B	#2 ACSR	7.22Y	120.4	0.00	4.59	1.06	1	7	2	96	0.00	0.0	3.902	0.023	7	2	1	1
PL.35402	PL.35398	B	#4 ACSR	7.22Y	120.4	0.00	4.59	1.48	1	10	2	98	0.00	0.0	3.879	0.001	0	0	0	1
PD.5685	PL.35402	B	40QA	7.22Y	120.4	0.00	4.59	1.48	4	10	2	98	0.00	0.0	3.879	0.001	0	0	0	1
PL.34646	PD.5685	B	#4 ACSR	7.22Y	120.4	0.00	4.59	1.48	1	10	2	98	0.00	0.0	3.934	0.055	10	2	1	1
PL.35400	PL.35398	B	#4 ACSR	7.22Y	120.4	0.00	4.59	5.34	4	38	9	97	0.00	0.0	3.879	0.001	0	0	0	4
PD.5810	PL.35400	B	40QA	7.22Y	120.4	0.00	4.59	5.34	13	38	9	97	0.00	0.0	3.879	0.001	0	0	0	4
PL.33111	PD.5810	B	#4 ACSR	7.22Y	120.4	0.02	4.60	5.34	4	38	9	97	0.00	0.0	4.007	0.128	31	7	3	4
PL.35773	PL.33111	B	#4 ACSR	7.22Y	120.4	0.00	4.61	0.99	1	7	2	96	0.00	0.0	4.035	0.028	0	0	0	1
PL.35774	PL.35773	B	#4 ACSR	7.22Y	120.4	0.00	4.61	0.99	1	7	2	96	0.00	0.0	4.099	0.064	7	2	1	1
PL.35512	PL.51545	C	#4 ACSR	7.25Y	120.9	0.00	4.13	2.43	2	17	4	97	0.00	0.0	3.054	0.002	0	0	0	3
PD.5020	PL.35512	C	75QA	7.25Y	120.9	0.00	4.13	2.43	3	17	4	97	0.00	0.0	3.054	0.002	0	0	0	3
PL.35513	PD.5020	C	#4 ACSR	7.25Y	120.9	0.00	4.13	2.43	2	17	4	97	0.00	0.0	3.098	0.044	17	4	3	3

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

Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.59951	PL.51543	C	6 A (CWC)	7.26Y	121.1	0.00	3.94	5.32	4	38	9	97	0.00	0.0	2.880	0.004	0	0	0	6
PD.8902	PL.59951	C	40QA	7.26Y	121.1	0.00	3.94	5.32	13	38	9	97	0.00	0.0	2.880	0.004	0	0	0	6
PL.59952	PD.8902	C	6 A (CWC)	7.26Y	121.0	0.01	3.95	5.32	4	38	9	97	0.00	0.0	2.926	0.046	7	2	1	6
PL.59949	PL.59952	C	6 A (CWC)	7.26Y	121.0	0.01	3.96	4.34	3	31	7	98	0.00	0.0	2.966	0.040	7	2	3	5
PL.35517	PL.59949	C	6 A (CWC)	7.26Y	121.0	0.00	3.96	3.34	2	24	5	98	0.00	0.0	3.002	0.036	24	5	2	2
PL.51540	PL.56760	C	#2 ACSR	7.27Y	121.2	0.00	3.82	4.77	3	34	8	97	0.00	0.0	2.766	0.001	0	0	0	5
PD.5129	PL.51540	C	40QA	7.27Y	121.2	0.00	3.82	4.77	12	34	8	97	0.00	0.0	2.766	0.001	0	0	0	5
PL.35700	PD.5129	C	#2 ACSR	7.27Y	121.2	0.01	3.83	4.77	3	34	8	97	0.00	0.0	2.801	0.035	0	0	0	5
PL.34611	PL.35700	C	#2 ACSR	7.27Y	121.2	0.00	3.83	4.77	3	34	8	97	0.00	0.0	2.834	0.033	34	8	5	5
PL.34195	PL.35700	C	#2 ACSR	7.27Y	121.2	0.00	3.83	0.00	0	0	0	100	0.00	0.0	2.839	0.038	0	0	0	0
PL.51541	PL.56760	A	6 A (CWC)	7.27Y	121.2	0.00	3.82	10.49	7	74	17	97	0.00	0.0	2.766	0.001	0	0	0	12
PD.5068	PL.51541	A	75QA	7.27Y	121.2	0.00	3.82	10.49	14	74	17	97	0.00	0.0	2.766	0.001	0	0	0	12
PL.36199	PD.5068	A	6 A (CWC)	7.27Y	121.2	0.02	3.85	10.49	7	74	17	97	0.01	0.0	2.832	0.066	30	7	4	12
PL.37171	PL.36199	A	6 A (CWC)	7.27Y	121.1	0.01	3.86	2.38	2	17	4	97	0.00	0.0	2.937	0.105	0	0	0	5
PL.34756	PL.37171	A	6 A (CWC)	7.27Y	121.1	0.00	3.86	0.00	0	0	0	100	0.00	0.0	3.025	0.089	0	0	0	0
PL.37172	PL.37171	A	6 A (CWC)	7.27Y	121.1	0.00	3.86	2.38	2	17	4	97	0.00	0.0	2.979	0.042	8	2	2	5
PL.35520	PL.37172	A	6 A (CWC)	7.27Y	121.1	0.00	3.86	1.30	1	9	2	98	0.00	0.0	2.999	0.020	9	2	3	3
PL.34984	PL.36199	A	#4 ACSR	7.27Y	121.1	0.00	3.85	3.88	3	27	6	98	0.00	0.0	2.887	0.055	27	6	3	3
CP.85	PL.56761	ABC	Cap (350)	7.27Y	121.2	0.00	3.78	0.00	0	0	0	100	0.00	0.0	2.731	0.055	0	0	0	0
PL.51539	PL.51538	ABC	#4 ACSR	7.28Y	121.3	0.00	3.66	1.51	1	32	7	98	0.00	0.0	2.730	0.063	0	0	1	5
PL.35112	PL.51539	ABC	#4 ACSR	7.28Y	121.3	0.00	3.66	0.00	0	0	0	100	0.00	0.0	2.834	0.104	0	0	0	0
PL.35114	PL.51539	C	#4 ACSR	7.28Y	121.3	0.01	3.67	4.54	3	32	7	98	0.00	0.0	2.762	0.032	9	2	1	4
PL.35292	PL.35114	C	#4 ACSR	7.28Y	121.3	0.00	3.67	3.29	3	23	5	98	0.00	0.0	2.804	0.042	16	4	2	3
PL.35293	PL.35292	C	#4 ACSR	7.28Y	121.3	0.00	3.67	1.01	1	7	2	96	0.00	0.0	2.826	0.023	0	0	0	1
PL.35111	PL.35293	C	#4 ACSR	7.28Y	121.3	0.00	3.67	1.01	1	7	2	96	0.00	0.0	2.880	0.053	7	2	1	1
PL.36470	PL.33989	C	6 A (CWC)	7.29Y	121.4	0.00	3.57	4.05	3	29	7	97	0.00	0.0	2.590	0.000	0	0	0	4
PD.5170	PL.36470	C	25T	7.29Y	121.4	0.00	3.57	4.05	0	29	7	97	0.00	0.0	2.590	0.000	0	0	0	4
PL.34442	PD.5170	C	6 A (CWC)	7.29Y	121.4	0.01	3.57	4.05	3	29	7	97	0.00	0.0	2.626	0.036	10	2	1	4
PL.33556	PL.34442	C	6 A (CWC)	7.29Y	121.4	0.00	3.58	2.58	2	18	4	98	0.00	0.0	2.698	0.072	18	4	3	3
PL.35169	PL.33989	A	#4 ACSR	7.29Y	121.4	0.00	3.57	0.83	1	6	1	99	0.00	0.0	2.590	0.000	0	0	0	1
PD.5836	PL.35169	A	25T	7.29Y	121.4	0.00	3.57	0.83	0	6	1	99	0.00	0.0	2.590	0.000	0	0	0	1

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

Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.36469	PD.5836	A	#4 ACSR	7.29Y	121.4	0.00	3.57	0.83	1	6	1	99	0.00	0.0	2.628	0.039	6	1	1	1
PL.56340	PL.56338	C	#4 ACSR	7.30Y	121.6	0.00	3.41	2.97	2	21	5	97	0.00	0.0	2.458	0.002	0	0	0	3
PD.5247	PL.56340	C	75QA	7.30Y	121.6	0.00	3.41	2.97	4	21	5	97	0.00	0.0	2.458	0.002	0	0	0	3
PL.35922	PD.5247	C	#4 ACSR	7.30Y	121.6	0.00	3.41	2.97	2	21	5	97	0.00	0.0	2.497	0.040	3	1	1	3
PL.36471	PL.35922	C	#4 ACSR	7.29Y	121.6	0.01	3.42	2.54	2	18	4	98	0.00	0.0	2.580	0.083	12	3	1	2
PL.36472	PL.36471	C	#4 ACSR	7.29Y	121.6	0.00	3.42	0.80	1	6	1	99	0.00	0.0	2.615	0.035	6	1	1	1
PL.56337	PL.56338	C	#4 ACSR	7.30Y	121.6	0.00	3.41	0.00	0	0	0	100	0.00	0.0	2.500	0.044	0	0	1	1
PL.59969	PL.52031	A	6 A (CWC)	7.30Y	121.6	0.00	3.37	5.76	4	41	9	98	0.00	0.0	2.421	0.001	0	0	0	18
PD.8904	PL.59969	A	75QA	7.30Y	121.6	0.00	3.37	5.76	8	41	9	98	0.00	0.0	2.421	0.001	0	0	0	18
PL.59970	PD.8904	A	6 A (CWC)	7.30Y	121.6	0.01	3.38	5.76	4	41	9	98	0.00	0.0	2.472	0.051	0	0	0	18
PL.59971	PL.59970	A	6 A (CWC)	7.30Y	121.6	0.00	3.38	0.76	1	5	1	98	0.00	0.0	2.502	0.030	5	1	1	1
PL.59474	PL.59970	A	1/0 AL URD	7.30Y	121.6	0.01	3.39	5.00	3	36	8	98	0.00	0.0	2.516	0.045	0	0	0	17
PD.8905	PL.59474	A	100CodeSMo	7.30Y	121.6	0.00	3.39	5.01	0	36	8	98	0.00	0.0	2.516	0.045	0	0	0	17
PL.59475	PD.8905	A	1/0 AL URD	7.30Y	121.6	0.00	3.39	5.01	3	36	8	98	0.00	0.0	2.528	0.012	18	4	7	17
PL.59972	PL.59475	A	1/0 AL URD	7.30Y	121.6	0.00	3.39	2.47	1	18	4	98	0.00	0.0	2.554	0.025	18	4	10	10
PL.52030	PL.52029	C	6 A (CWC)	7.30Y	121.7	0.00	3.28	5.65	4	40	9	98	0.00	0.0	2.351	0.001	0	0	0	7
PD.7999	PL.52030	C	40QA	7.30Y	121.7	0.00	3.28	5.65	14	40	9	98	0.00	0.0	2.351	0.001	0	0	0	7
PL.52028	PD.7999	C	6 A (CWC)	7.30Y	121.7	0.01	3.29	5.65	4	40	9	98	0.00	0.0	2.379	0.028	0	0	0	7
PL.52027	PL.52028	C	6 A (CWC)	7.30Y	121.7	0.01	3.30	5.65	4	40	9	98	0.00	0.0	2.414	0.035	21	5	5	7
PL.52024	PL.52027	C	6 A (CWC)	7.30Y	121.7	0.00	3.30	2.70	2	19	4	98	0.00	0.0	2.439	0.025	13	3	1	2
PL.36487	PL.52024	C	6 A (CWC)	7.30Y	121.7	0.00	3.30	0.85	1	6	1	99	0.00	0.0	2.499	0.061	6	1	1	1
PL.35610	PL.34029	A	#4 ACSR	7.33Y	122.2	0.00	2.83	6.39	5	46	11	97	0.00	0.0	1.995	0.002	0	0	0	6
PD.5061	PL.35610	A	75QA	7.33Y	122.2	0.00	2.83	6.39	9	46	11	97	0.00	0.0	1.995	0.002	0	0	0	6
PL.35611	PD.5061	A	#4 ACSR	7.33Y	122.2	0.01	2.84	6.39	5	46	11	97	0.00	0.0	2.039	0.043	0	0	0	6
PL.35021	PL.35611	A	6 A (CWC)	7.33Y	122.2	0.00	2.84	1.14	1	8	2	97	0.00	0.0	2.093	0.055	8	2	1	1
PL.35441	PL.35611	A	#4 ACSR	7.33Y	122.1	0.01	2.85	5.25	4	37	9	97	0.00	0.0	2.098	0.059	24	5	3	5
PL.34226	PL.35441	A	#4 ACSR	7.33Y	122.1	0.00	2.85	1.94	1	14	3	98	0.00	0.0	2.146	0.048	14	3	2	2
PL.34228	PL.34226	A	#4 ACSR	7.33Y	122.1	0.00	2.85	0.00	0	0	0	100	0.00	0.0	2.186	0.040	0	0	0	0
PL.36511	PL.33386	A	6 A (CWC)	7.40Y	123.3	0.00	1.69	3.13	2	23	5	98	0.00	0.0	1.169	0.001	0	0	0	3
PD.5086	PL.36511	A	75QA	7.40Y	123.3	0.00	1.69	3.13	4	23	5	98	0.00	0.0	1.169	0.001	0	0	0	3
PL.36514	PD.5086	A	6 A (CWC)	7.40Y	123.3	0.00	1.69	3.13	2	23	5	98	0.00	0.0	1.230	0.061	23	5	3	3

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Balanced Voltage Drop Report
Source: East Bernstadt

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.58735	PL.58733	C	#4 ACSR	7.43Y	123.8	0.00	1.20	0.00	0	0	0	100	0.00	0.0	0.830	0.003	0	0	0	0
PD.8724	PL.58735	C	40QA	7.43Y	123.8	0.00	1.20	0.00	0	0	0	100	0.00	0.0	0.830	0.003	0	0	0	0
PL.58731	PD.8724	C	#4 ACSR	7.43Y	123.8	0.00	1.20	0.00	0	0	0	100	0.00	0.0	1.085	0.255	0	0	0	0
PL.64724	PL.58742	C	#1/0 ACSR	7.44Y	124.1	0.00	0.94	0.00	0	0	0	100	0.00	0.0	0.718	0.070	0	0	0	0

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	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	18140	0	0	0	0	0	572	0.00	18712
KVAR	5065	0	0	-21	0	0	1094		6138

Lowest Voltage = 115.74 on Element PL.35998
Max Accm VoltD = 9.26 on Element PL.35998
Max Elem VoltD = 1.11 on Element PL.59618