

Balanced Voltage Drop Report  
Source: Brodhead

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
Brodhead		ABC	SRC-Brodhe	7.50Y	125.0	0.00	0.00	613.24	0	13107	4312	95	0.00	0.0	0.000	0.000	0	0	0	1789
PL.58882	Brodhead	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	155.52	30	3348	1019	96	0.07	0.0	0.003	0.003	0	0	0	508
PL.58883	PL.58882	ABC	336 MCM AC	7.50Y	125.0	0.00	0.01	155.52	30	3348	1019	96	0.08	0.0	0.007	0.004	0	0	0	508
----- Feeder No. 4 (Quail F4) Beginning with Device PD.8477 -----																				
PD.8477	PL.58883	ABC	400VWE	7.50Y	125.0	0.00	0.01	155.52	0	3348	1018	96	0.00	0.0	0.007	0.004	0	0	0	508
PL.58601	PD.8477	ABC	750 MCM AL	7.50Y	125.0	0.01	0.02	155.52	31	3348	1018	96	0.22	0.0	0.029	0.021	0	0	0	508
PL.58602	PL.58601	ABC	336 MCM AC	7.47Y	124.5	0.46	0.48	155.53	30	3347	1018	96	7.81	0.2	0.412	0.383	0	0	0	508
PL.58605	PL.58602	ABC	336 MCM AC	7.46Y	124.3	0.23	0.70	155.53	30	3339	1000	96	3.94	0.1	0.605	0.193	0	0	0	508
PL.58604	PL.58605	C	6 A (CWC)	7.46Y	124.3	0.00	0.71	4.65	3	34	8	97	0.00	0.0	0.610	0.005	0	0	0	3
PD.8723	PL.58604	C	15T	7.46Y	124.3	0.00	0.71	4.65	0	34	8	97	0.00	0.0	0.610	0.005	0	0	0	3
PL.58598	PD.8723	C	#1/0 ACSR	7.46Y	124.3	0.00	0.71	4.65	2	34	8	97	0.00	0.0	0.623	0.013	12	3	1	3
PL.58595	PL.58598	C	6 A (CWC)	7.46Y	124.3	0.00	0.71	3.07	2	22	5	98	0.00	0.0	0.634	0.011	15	3	1	2
PL.58596	PL.58595	C	6 A (CWC)	7.46Y	124.3	0.00	0.71	0.96	1	7	2	96	0.00	0.0	0.649	0.015	7	2	1	1
PL.58597	PL.58596	C	6 A (CWC)	7.46Y	124.3	0.00	0.71	0.00	0	0	0	100	0.00	0.0	0.661	0.012	0	0	0	0
PL.58659	PL.58605	ABC	336 MCM AC	7.45Y	124.2	0.14	0.84	153.98	30	3302	983	96	2.35	0.1	0.723	0.118	0	0	0	505
PL.58660	PL.58659	A	#1/0 ACSR	7.45Y	124.2	0.00	0.84	1.69	1	12	3	97	0.00	0.0	0.729	0.006	0	0	0	2
PD.8633	PL.58660	A	12T	7.45Y	124.2	0.00	0.84	1.69	0	12	3	97	0.00	0.0	0.729	0.006	0	0	0	2
PL.58658	PD.8633	A	#1/0 ACSR	7.45Y	124.2	0.00	0.84	1.69	1	12	3	97	0.00	0.0	0.745	0.017	12	3	2	2
PL.58895	PL.58659	ABC	336 MCM AC	7.45Y	124.1	0.02	0.87	153.42	30	3287	975	96	0.42	0.0	0.744	0.021	0	0	0	503
PD.8485-A	PL.58895	ABC	Closed	7.45Y	124.1	0.00	0.87	153.42	0	3287	974	96	0.00	0.0	0.744	0.021	0	0	0	503
PD.8485-B	PD.8485-A	ABC	Closed	7.45Y	124.1	0.00	0.87	153.42	0	3287	974	96	0.00	0.0	0.744	0.021	0	0	0	503
PL.58893	PD.8485-B	ABC	336 MCM AC	7.45Y	124.1	0.04	0.90	153.42	30	3287	974	96	0.60	0.0	0.774	0.030	0	0	0	503
PL.58894	PL.58893	ABC	336 MCM AC	7.44Y	124.1	0.04	0.94	153.42	30	3286	973	96	0.72	0.0	0.810	0.036	0	0	0	503
PL.58886	PL.58894	ABC	336 MCM AC	7.44Y	124.0	0.04	0.98	153.42	30	3285	971	96	0.64	0.0	0.843	0.032	0	0	0	503
PL.58613	PL.58886	ABC	336 MCM AC	7.44Y	124.0	0.03	1.01	153.42	30	3285	970	96	0.56	0.0	0.871	0.028	0	0	0	503
PL.58614	PL.58613	ABC	336 MCM AC	7.43Y	123.9	0.08	1.10	153.42	30	3284	968	96	1.44	0.0	0.943	0.072	0	0	0	503
PL.58612	PL.58614	ABC	336 MCM AC	7.43Y	123.9	0.02	1.12	153.42	30	3283	965	96	0.31	0.0	0.959	0.016	0	0	0	503
PD.8624-A	PL.58612	ABC	Closed	7.43Y	123.9	0.00	1.12	153.42	0	3282	964	96	0.00	0.0	0.959	0.016	0	0	0	503
PD.8624-B	PD.8624-A	ABC	Closed	7.43Y	123.9	0.00	1.12	153.42	0	3282	964	96	0.00	0.0	0.959	0.016	0	0	0	503
PL.58642	PD.8624-B	ABC	336 MCM AC	7.43Y	123.8	0.11	1.23	153.42	30	3282	964	96	1.87	0.1	1.053	0.094	0	0	0	503

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

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.58639	PL.58642	A	6 A (CWC)	7.43Y	123.8	0.00	1.23	3.58	3	26	6	97	0.00	0.0	1.056	0.003	0	0	0	4
PD.8689	PL.58639	A	30T	7.43Y	123.8	0.00	1.23	3.58	0	26	6	97	0.00	0.0	1.056	0.003	0	0	0	4
PL.58476	PD.8689	A	6 A (CWC)	7.43Y	123.8	0.01	1.23	3.58	3	26	6	97	0.00	0.0	1.113	0.057	8	2	1	4
PL.58475	PL.58476	A	6 A (CWC)	7.43Y	123.8	0.00	1.24	2.54	2	18	4	98	0.00	0.0	1.173	0.060	18	4	3	3
PL.58638	PL.58642	ABC	336 MCM AC	7.41Y	123.5	0.31	1.54	152.23	29	3255	954	96	5.24	0.2	1.322	0.269	0	0	0	499
PL.49128	PL.58638	A	6 A (CWC)	7.41Y	123.5	0.00	1.54	3.90	3	28	6	98	0.00	0.0	1.323	0.001	0	0	0	4
PD.7495	PL.49128	A	50QA	7.41Y	123.5	0.00	1.54	3.90	8	28	6	98	0.00	0.0	1.323	0.001	0	0	0	4
PL.49129	PD.7495	A	6 A (CWC)	7.41Y	123.5	0.01	1.54	3.90	3	28	6	98	0.00	0.0	1.378	0.055	3	1	1	4
PL.49125	PL.49129	A	6 A (CWC)	7.41Y	123.4	0.01	1.56	3.54	3	26	6	97	0.00	0.0	1.447	0.070	0	0	0	3
PL.49126	PL.49125	A	6 A (CWC)	7.41Y	123.4	0.01	1.57	3.54	3	26	6	97	0.00	0.0	1.548	0.100	13	3	1	3
PL.49127	PL.49126	A	6 A (CWC)	7.41Y	123.4	0.00	1.57	1.79	1	13	3	97	0.00	0.0	1.592	0.045	13	3	2	2
PL.49124	PL.58638	ABC	336 MCM AC	7.38Y	123.0	0.43	1.96	150.93	29	3221	936	96	7.24	0.2	1.699	0.377	0	0	0	495
PL.58620	PL.49124	ABC	336 MCM AC	7.34Y	122.3	0.77	2.73	148.20	29	3155	906	96	12.81	0.4	2.392	0.692	0	0	0	480
PD.8627-A	PL.58620	ABC	Closed	7.34Y	122.3	0.00	2.73	148.20	0	3142	876	96	0.00	0.0	2.392	0.692	0	0	0	480
PD.8627-B	PD.8627-A	ABC	Closed	7.34Y	122.3	0.00	2.73	148.20	0	3142	876	96	0.00	0.0	2.392	0.692	0	0	0	480
PL.58621	PD.8627-B	ABC	336 MCM AC	7.34Y	122.3	0.00	2.73	148.20	29	3142	876	96	0.04	0.0	2.394	0.002	0	0	0	480
PL.62965	PL.58621	ABC	336 MCM AC	7.34Y	122.3	0.00	2.73	0.00	0	0	0	100	0.00	0.0	2.405	0.011	0	0	0	0
PD.9400-B	PL.62965	ABC	Open	7.34Y	122.3	0.00	2.73	0.00	0	0	0	100	0.00	0.0	2.405	0.011	0	0	0	0
PL.58619	PL.58621	ABC	336 MCM AC	7.32Y	122.1	0.20	2.93	148.20	29	3142	876	96	3.33	0.1	2.574	0.180	0	0	0	480
PL.58616	PL.58619	ABC	336 MCM AC	7.32Y	122.1	0.00	2.93	0.49	0	11	2	98	0.00	0.0	2.657	0.083	5	1	2	3
PL.47953	PL.58616	ABC	336 MCM AC	7.32Y	122.1	0.00	2.93	0.27	0	6	1	99	0.00	0.0	2.705	0.049	6	1	1	1
PL.47954	PL.47953	ABC	336 MCM AC	7.32Y	122.1	0.00	2.93	0.00	0	0	0	100	0.00	0.0	2.764	0.059	0	0	0	0
PD.7185-A	PL.47954	ABC	Open	7.32Y	122.1	0.00	2.93	0.00	0	0	0	100	0.00	0.0	2.764	0.059	0	0	0	0
PL.58624	PL.58619	ABC	336 MCM AC	7.32Y	122.1	0.02	2.95	147.71	28	3128	866	96	0.29	0.0	2.590	0.016	0	0	0	477
PL.58625	PL.58624	ABC	336 MCM AC	7.32Y	122.0	0.09	3.04	147.71	28	3128	865	96	1.59	0.1	2.676	0.087	10	2	1	477
PL.58628	PL.58625	ABC	336 MCM AC	7.31Y	121.9	0.11	3.15	147.24	28	3116	859	96	1.78	0.1	2.774	0.098	8	2	1	476
PL.58631	PL.58628	ABC	336 MCM AC	7.31Y	121.8	0.02	3.17	146.86	28	3106	853	96	0.39	0.0	2.796	0.022	0	0	0	475
PL.58630	PL.58631	A	#4 ACSR	7.31Y	121.8	0.00	3.17	2.44	2	17	4	97	0.00	0.0	2.797	0.001	0	0	0	2
PD.8628	PL.58630	A	70QA	7.31Y	121.8	0.00	3.17	2.44	0	17	4	97	0.00	0.0	2.797	0.001	0	0	0	2
PL.58629	PD.8628	A	#4 ACSR	7.31Y	121.8	0.00	3.18	2.44	2	17	4	97	0.00	0.0	2.853	0.056	17	4	2	2
PL.58632	PL.58631	ABC	336 MCM AC	7.30Y	121.7	0.08	3.26	146.05	28	3088	848	96	1.38	0.0	2.873	0.077	1	0	2	473

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.58633	PL.58632	C	#4 ACSR	7.30Y	121.7	0.00	3.26	0.00	0	0	0	100	0.00	0.0	2.876	0.004	0	0	0	0
PD.8629	PL.58633	C	70QA	7.30Y	121.7	0.00	3.26	0.00	0	0	0	100	0.00	0.0	2.876	0.004	0	0	0	0
PL.58634	PD.8629	C	#4 ACSR	7.30Y	121.7	0.00	3.26	0.00	0	0	0	100	0.00	0.0	2.970	0.094	0	0	0	0
PL.58643	PL.58632	ABC	336 MCM AC	7.29Y	121.5	0.20	3.45	146.01	28	3086	845	96	3.28	0.1	3.056	0.184	17	4	2	471
PL.64055	PL.58643	ABC	336 MCM AC	7.29Y	121.5	0.00	3.45	145.22	28	3066	833	97	0.01	0.0	3.057	0.001	0	0	0	469
PL.64056	PL.64055	ABC	336 MCM AC	7.28Y	121.3	0.22	3.67	145.22	28	3066	833	97	3.63	0.1	3.261	0.204	0	0	0	469
PL.58663	PL.64056	A	#4 ACSR	7.28Y	121.3	0.00	3.67	0.90	1	6	1	99	0.00	0.0	3.267	0.006	0	0	0	1
PD.8631	PL.58663	A	70QA	7.28Y	121.3	0.00	3.67	0.90	0	6	1	99	0.00	0.0	3.267	0.006	0	0	0	1
PL.63455	PD.8631	A	#4 ACSR	7.28Y	121.3	0.00	3.68	0.90	1	6	1	99	0.00	0.0	3.374	0.107	0	0	0	1
PL.63456	PL.63455	A	#4 ACSR	7.28Y	121.3	0.00	3.68	0.00	0	0	0	100	0.00	0.0	3.410	0.037	0	0	0	0
PL.64062	PL.63455	A	#4 ACSR	7.28Y	121.3	0.00	3.68	0.90	1	6	1	99	0.00	0.0	3.406	0.033	6	1	1	1
PL.64061	PL.64062	A	#4 ACSR	7.28Y	121.3	0.00	3.68	0.00	0	0	0	100	0.00	0.0	3.461	0.055	0	0	0	0
PL.63434	PL.64061	A	#4 ACSR	7.28Y	121.3	0.00	3.68	0.00	0	0	0	100	0.00	0.0	3.579	0.118	0	0	0	0
PL.63435	PL.63434	A	#4 ACSR	7.28Y	121.3	0.00	3.68	0.00	0	0	0	100	0.00	0.0	3.702	0.123	0	0	0	0
PL.58670	PL.64056	ABC	336 MCM AC	7.27Y	121.2	0.14	3.82	144.21	28	3041	820	97	2.35	0.1	3.395	0.134	7	2	1	466
PL.58671	PL.58670	A	#4 ACSR	7.27Y	121.2	0.00	3.82	1.51	1	11	2	98	0.00	0.0	3.400	0.005	0	0	0	1
PD.8636	PL.58671	A	12T	7.27Y	121.2	0.00	3.82	1.51	0	11	2	98	0.00	0.0	3.400	0.005	0	0	0	1
PL.58661	PD.8636	A	#4 ACSR	7.27Y	121.2	0.00	3.82	1.51	1	11	2	98	0.00	0.0	3.453	0.053	11	2	1	1
PL.58673	PL.58670	ABC	336 MCM AC	7.26Y	121.1	0.11	3.93	143.38	28	3021	811	97	1.89	0.1	3.504	0.109	0	0	0	464
PL.58677	PL.58673	ABC	336 MCM AC	7.25Y	120.9	0.22	4.15	137.25	26	2888	777	97	3.45	0.1	3.722	0.218	0	0	0	445
PL.58676	PL.58677	ABC	336 MCM AC	7.25Y	120.9	0.00	4.15	0.41	0	9	2	98	0.00	0.0	3.723	0.002	0	0	0	2
PD.8637	PL.58676	C	15T	7.25Y	120.9	0.00	4.15	1.22	0	9	2	98	0.00	0.0	3.723	0.002	0	0	0	2
PL.58681	PD.8637	C	6 A (CWC)	7.25Y	120.9	0.00	4.15	0.04	0	0	0	100	0.00	0.0	3.816	0.093	0	0	1	1
PL.58680	PL.58681	C	6 A (CWC)	7.25Y	120.9	0.00	4.15	0.00	0	0	0	100	0.00	0.0	3.883	0.067	0	0	0	0
PL.58679	PD.8637	C	6 A (CWC)	7.25Y	120.8	0.00	4.15	1.18	1	8	2	97	0.00	0.0	3.777	0.054	8	2	1	1
PL.58678	PL.58677	ABC	336 MCM AC	7.25Y	120.8	0.05	4.20	136.85	26	2876	767	97	0.82	0.0	3.773	0.052	0	0	0	443
PL.58693	PL.58678	C	#1/0 ACSR	7.25Y	120.8	0.00	4.20	0.03	0	0	0	100	0.00	0.0	3.779	0.006	0	0	0	1
PD.8642	PL.58693	C	12T	7.25Y	120.8	0.00	4.20	0.03	0	0	0	100	0.00	0.0	3.779	0.006	0	0	0	1
PL.58694	PD.8642	C	#1/0 ACSR	7.25Y	120.8	0.00	4.20	0.03	0	0	0	100	0.00	0.0	3.845	0.065	0	0	1	1
PL.58854	PL.58678	ABC	336 MCM AC	7.25Y	120.8	0.03	4.23	136.84	26	2875	765	97	0.48	0.0	3.804	0.031	22	5	2	442
PL.58855	PL.58854	ABC	336 MCM AC	7.24Y	120.7	0.03	4.26	135.81	26	2853	759	97	0.50	0.0	3.837	0.032	22	5	2	440

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Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.58857	PL.58855	ABC	336 MCM AC	7.24Y	120.7	0.04	4.31	134.79	26	2831	753	97	0.64	0.0	3.878	0.042	0	0	0	438
PL.58858	PL.58857	C	#1/0 ACSR	7.24Y	120.7	0.00	4.31	1.91	1	14	3	98	0.00	0.0	3.884	0.006	0	0	0	2
PD.8739	PL.58858	C	20T	7.24Y	120.7	0.00	4.31	1.91	0	14	3	98	0.00	0.0	3.884	0.006	0	0	0	2
PL.58856	PD.8739	C	#1/0 ACSR	7.24Y	120.7	0.00	4.31	1.91	1	14	3	98	0.00	0.0	3.922	0.038	14	3	2	2
PL.58861	PL.58857	ABC	336 MCM AC	7.23Y	120.6	0.12	4.42	134.15	26	2817	749	97	1.78	0.1	3.996	0.117	0	0	1	436
PL.58862	PL.58861	B	#1/0 ACSR	7.23Y	120.6	0.00	4.42	0.18	0	1	0	100	0.00	0.0	4.001	0.006	0	0	0	1
PD.8740	PL.58862	B	20T	7.23Y	120.6	0.00	4.42	0.18	0	1	0	100	0.00	0.0	4.001	0.006	0	0	0	1
PL.58860	PD.8740	B	#1/0 ACSR	7.23Y	120.6	0.00	4.42	0.18	0	1	0	100	0.00	0.0	4.048	0.047	1	0	1	1
PL.64058	PL.58861	ABC	336 MCM AC	7.23Y	120.5	0.07	4.49	134.09	26	2814	744	97	1.12	0.0	4.069	0.074	0	0	0	434
PL.64059	PL.64058	ABC	336 MCM AC	7.23Y	120.5	0.03	4.53	134.09	26	2812	742	97	0.53	0.0	4.104	0.035	4	1	1	434
PL.58863	PL.64059	ABC	336 MCM AC	7.21Y	120.2	0.23	4.76	133.90	26	2808	740	97	3.61	0.1	4.343	0.239	0	0	0	433
PL.58848	PL.58863	ABC	336 MCM AC	7.21Y	120.2	0.05	4.81	133.81	26	2802	731	97	0.73	0.0	4.392	0.049	11	2	1	432
PL.58866	PL.58848	ABC	336 MCM AC	7.20Y	120.1	0.12	4.93	133.29	26	2791	727	97	1.83	0.1	4.514	0.123	0	0	0	431
PL.58205	PL.58866	ABC	336 MCM AC	7.20Y	120.0	0.07	4.99	132.32	25	2768	718	97	1.01	0.0	4.583	0.068	0	0	0	428
PL.58207	PL.58205	ABC	336 MCM AC	7.20Y	119.9	0.08	5.08	132.13	25	2763	715	97	1.30	0.0	4.671	0.088	0	0	0	427
PL.58869	PL.58207	B	#1/0 ACSR	7.20Y	119.9	0.00	5.08	2.47	1	17	4	97	0.00	0.0	4.672	0.001	0	0	0	2
PD.8742	PL.58869	B	15T	7.20Y	119.9	0.00	5.08	2.47	0	17	4	97	0.00	0.0	4.672	0.001	0	0	0	2
PL.58870	PD.8742	B	#1/0 ACSR	7.20Y	119.9	0.00	5.08	2.47	1	17	4	97	0.00	0.0	4.676	0.004	17	4	2	2
PL.58210	PL.58207	ABC	336 MCM AC	7.19Y	119.8	0.09	5.17	131.31	25	2745	708	97	1.42	0.1	4.768	0.097	0	0	0	425
PL.58211	PL.58210	ABC	336 MCM AC	7.18Y	119.7	0.11	5.28	131.31	25	2743	704	97	1.65	0.1	4.882	0.113	0	0	0	425
PL.58212	PL.58211	A	#1/0 ACSR	7.18Y	119.7	0.00	5.28	15.30	7	107	24	98	0.00	0.0	4.894	0.012	0	0	0	22
PL.58208	PL.58212	A	6 A (CWC)	7.18Y	119.7	0.00	5.28	15.30	11	107	24	98	0.00	0.0	4.895	0.001	0	0	0	22
PD.8743	PL.58208	A	50L	7.18Y	119.7	0.00	5.28	15.30	31	107	24	98	0.00	0.0	4.895	0.001	0	0	0	22
PL.58209	PD.8743	A	6 A (CWC)	7.18Y	119.7	0.03	5.32	15.30	11	107	24	98	0.03	0.0	4.946	0.051	14	3	3	22
PL.49232	PL.58209	A	6 A (CWC)	7.18Y	119.6	0.09	5.40	13.34	10	94	21	98	0.06	0.1	5.092	0.146	2	1	1	19
PL.61745	PL.49232	A	6 A (CWC)	7.18Y	119.6	0.00	5.40	0.59	0	4	1	97	0.00	0.0	5.095	0.003	0	0	0	2
PD.9177	PL.61745	A	20T	7.18Y	119.6	0.00	5.40	0.59	0	4	1	97	0.00	0.0	5.095	0.003	0	0	0	2
PL.61746	PD.9177	A	6 A (CWC)	7.18Y	119.6	0.00	5.40	0.59	0	4	1	97	0.00	0.0	5.241	0.146	4	1	2	2
PL.49233	PL.49232	A	6 A (CWC)	7.17Y	119.5	0.05	5.46	12.42	9	87	19	98	0.04	0.0	5.187	0.095	0	0	0	16
PL.61747	PL.49233	A	6 A (CWC)	7.17Y	119.5	0.00	5.46	12.42	9	87	19	98	0.00	0.0	5.187	0.000	0	0	0	16
PD.9178	PL.61747	A	30T	7.17Y	119.5	0.00	5.46	12.42	0	87	19	98	0.00	0.0	5.187	0.000	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: Brodhead

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.61749	PD.9178	A	6 A (CWC)	7.17Y	119.5	0.00	5.46	1.08	1	8	2	97	0.00	0.0	5.259	0.073	8	2	1	1
PL.61748	PD.9178	A	6 A (CWC)	7.17Y	119.5	0.03	5.49	11.34	8	79	18	98	0.02	0.0	5.248	0.061	0	0	1	15
PL.49234	PL.61748	A	6 A (CWC)	7.17Y	119.5	0.05	5.54	11.32	8	79	18	98	0.03	0.0	5.354	0.106	0	0	0	14
PL.61750	PL.49234	A	6 A (CWC)	7.17Y	119.5	0.00	5.54	1.34	1	9	2	98	0.00	0.0	5.354	0.001	0	0	0	2
PD.9179	PL.61750	A	30T	7.17Y	119.5	0.00	5.54	1.34	0	9	2	98	0.00	0.0	5.354	0.001	0	0	0	2
PL.61751	PD.9179	A	6 A (CWC)	7.17Y	119.5	0.01	5.55	1.34	1	9	2	98	0.00	0.0	5.450	0.095	0	0	0	2
PL.60024	PL.61751	A	6 A (CWC)	7.17Y	119.5	0.00	5.55	0.59	0	4	1	97	0.00	0.0	5.512	0.062	0	0	0	1
PL.58965	PL.60024	A	6 A (CWC)	7.17Y	119.5	0.00	5.55	0.59	0	4	1	97	0.00	0.0	5.632	0.120	4	1	1	1
PL.60025	PL.61751	A	#1/0 ACSR	7.17Y	119.5	0.00	5.55	0.76	0	5	1	98	0.00	0.0	5.489	0.039	5	1	1	1
PL.49235	PL.49234	A	6 A (CWC)	7.16Y	119.4	0.07	5.61	9.98	7	70	16	97	0.04	0.1	5.523	0.169	11	2	1	12
PL.49236	PL.49235	A	6 A (CWC)	7.16Y	119.4	0.00	5.61	8.39	6	59	13	98	0.00	0.0	5.534	0.010	0	0	0	11
PL.61752	PL.49236	A	6 A (CWC)	7.16Y	119.3	0.05	5.67	8.39	6	59	13	98	0.02	0.0	5.678	0.145	4	1	1	11
PL.61753	PL.61752	A	6 A (CWC)	7.16Y	119.3	0.01	5.68	2.10	2	15	3	98	0.00	0.0	5.774	0.096	0	0	0	4
PL.49240	PL.61753	A	6 A (CWC)	7.16Y	119.3	0.01	5.68	2.10	2	15	3	98	0.00	0.0	5.848	0.073	0	0	0	4
PL.61758	PL.49240	A	6 A (CWC)	7.16Y	119.3	0.00	5.68	0.57	0	4	1	97	0.00	0.0	5.851	0.003	0	0	0	2
PD.9182	PL.61758	A	30T	7.16Y	119.3	0.00	5.68	0.57	0	4	1	97	0.00	0.0	5.851	0.003	0	0	0	2
PL.61759	PD.9182	A	6 A (CWC)	7.16Y	119.3	0.01	5.69	0.57	0	4	1	97	0.00	0.0	6.170	0.319	2	0	1	2
PL.48292	PL.61759	A	6 A (CWC)	7.16Y	119.3	0.00	5.69	0.29	0	2	0	100	0.00	0.0	6.451	0.281	2	0	1	1
PL.61756	PL.49240	A	6 A (CWC)	7.16Y	119.3	0.00	5.68	1.54	1	11	2	98	0.00	0.0	5.851	0.003	0	0	0	2
PD.9181	PL.61756	A	30T	7.16Y	119.3	0.00	5.68	1.54	0	11	2	98	0.00	0.0	5.851	0.003	0	0	0	2
PL.61757	PD.9181	A	6 A (CWC)	7.16Y	119.3	0.00	5.69	1.54	1	11	2	98	0.00	0.0	5.924	0.073	6	1	1	2
PL.49241	PL.61757	A	6 A (CWC)	7.16Y	119.3	0.00	5.69	0.63	0	4	1	97	0.00	0.0	6.012	0.088	4	1	1	1
PL.61944	PL.61752	A	6 A (CWC)	7.16Y	119.3	0.00	5.67	1.31	1	9	2	98	0.00	0.0	5.777	0.099	9	2	2	2
PL.61754	PL.61752	A	6 A (CWC)	7.16Y	119.3	0.00	5.67	4.42	3	31	7	98	0.00	0.0	5.679	0.001	0	0	0	4
PD.9180	PL.61754	A	30T	7.16Y	119.3	0.00	5.67	4.42	0	31	7	98	0.00	0.0	5.679	0.001	0	0	0	4
PL.61755	PD.9180	A	6 A (CWC)	7.16Y	119.3	0.04	5.70	4.42	3	31	7	98	0.01	0.0	5.864	0.185	0	0	0	4
PL.49237	PL.61755	A	6 A (CWC)	7.16Y	119.3	0.00	5.71	0.91	1	6	1	99	0.00	0.0	5.959	0.094	6	1	1	1
PL.49238	PL.61755	A	6 A (CWC)	7.16Y	119.3	0.01	5.72	3.51	3	24	5	98	0.00	0.0	5.974	0.110	12	3	1	3
PL.49239	PL.49238	A	6 A (CWC)	7.16Y	119.3	0.00	5.72	1.78	1	12	3	97	0.00	0.0	6.048	0.074	7	2	1	2
PL.63431	PL.49239	A	#1/0 ACSR	7.16Y	119.3	0.00	5.72	0.76	0	5	1	98	0.00	0.0	6.094	0.046	5	1	1	1
PL.58219	PL.58211	ABC	336 MCM AC	7.18Y	119.7	0.06	5.33	126.21	24	2634	677	97	0.82	0.0	4.942	0.061	0	0	1	403

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Balanced Voltage Drop Report  
Source: Brodhead

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

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
-----																				
PL.58220	PL.58219	ABC	336 MCM AC	7.17Y	119.6	0.10	5.43	125.82	24	2625	673	97	1.39	0.1	5.047	0.105	3	1	1	399
PL.58217	PL.58220	C	6 A (CWC)	7.17Y	119.6	0.00	5.43	3.61	3	25	6	97	0.00	0.0	5.052	0.005	0	0	0	2
PD.8745	PL.58217	C	15T	7.17Y	119.6	0.00	5.43	3.61	0	25	6	97	0.00	0.0	5.052	0.005	0	0	0	2
PL.58215	PD.8745	C	6 A (CWC)	7.17Y	119.6	0.00	5.43	3.61	3	25	6	97	0.00	0.0	5.089	0.037	10	2	1	2
PL.58214	PL.58215	C	6 A (CWC)	7.17Y	119.6	0.00	5.44	2.13	2	15	3	98	0.00	0.0	5.178	0.089	15	3	1	1
PL.49055	PL.58214	C	6 A (CWC)	7.17Y	119.6	0.00	5.44	0.00	0	0	0	100	0.00	0.0	5.231	0.054	0	0	0	0
PL.58218	PL.58220	ABC	#3/0 ACSR	7.17Y	119.5	0.11	5.54	124.47	41	2596	663	97	1.83	0.1	5.118	0.071	5	1	2	396
PL.49056	PL.58218	ABC	#3/0 ACSR	7.16Y	119.3	0.16	5.70	124.25	41	2589	660	97	2.73	0.1	5.223	0.105	6	1	1	394
PL.59162	PL.49056	ABC	#3/0 ACSR	7.16Y	119.3	0.01	5.71	123.96	41	2580	654	97	0.09	0.0	5.227	0.004	0	0	0	393
C RG.59	PL.59162	ABC	114.3 KVA	7.49Y	124.8	-5.46	0.25	123.96	83	2580	654	97	percent Boost= 4.38		Tap= 7.0				393	C
PL.59163	RG.59	ABC	#3/0 ACSR	7.47Y	124.5	0.21	0.45	118.53	40	2580	654	97	3.33	0.1	5.368	0.141	0	0	0	393
PL.49151	PL.59163	ABC	#3/0 ACSR	7.47Y	124.5	0.00	0.46	118.53	40	2577	649	97	0.02	0.0	5.368	0.001	0	0	0	393
PD.7179	PL.49151	ABC	200L	7.47Y	124.5	0.00	0.46	118.53	0	2577	649	97	0.00	0.0	5.368	0.001	0	0	0	393
PL.49152	PD.7179	ABC	#3/0 ACSR	7.47Y	124.5	0.02	0.48	118.53	40	2577	649	97	0.35	0.0	5.383	0.015	0	0	0	393
PL.47450	PL.49152	C	#4 ACSR	7.47Y	124.5	0.00	0.48	0.69	1	5	1	98	0.00	0.0	5.435	0.052	5	1	1	1
PL.49153	PL.49152	ABC	#3/0 ACSR	7.47Y	124.4	0.10	0.58	118.15	39	2568	647	97	1.65	0.1	5.453	0.070	0	0	0	391
PL.49156	PL.49153	ABC	#3/0 ACSR	7.46Y	124.3	0.08	0.66	115.74	39	2514	633	97	1.21	0.0	5.507	0.054	8	2	1	387
PL.49157	PL.49156	ABC	#3/0 ACSR	7.45Y	124.2	0.10	0.76	115.38	38	2505	629	97	1.63	0.1	5.580	0.073	0	0	0	386
PL.49181	PL.49157	ABC	#3/0 ACSR	7.45Y	124.2	0.00	0.76	115.38	38	2503	627	97	0.03	0.0	5.582	0.002	0	0	0	386
PL.49392	PL.49181	ABC	#3/0 ACSR	7.45Y	124.2	0.08	0.84	115.38	38	2503	627	97	1.24	0.0	5.637	0.055	0	0	0	386
PL.47552	PL.49392	C	#4 ACSR	7.45Y	124.2	0.00	0.85	1.48	1	11	2	98	0.00	0.0	5.766	0.129	11	2	1	1
PL.49393	PL.49392	ABC	#3/0 ACSR	7.43Y	123.9	0.25	1.10	114.89	38	2491	623	97	3.99	0.2	5.817	0.180	0	0	0	385
PL.47283	PL.49393	C	#4 ACSR	7.43Y	123.9	0.00	1.10	1.40	1	10	2	98	0.00	0.0	5.927	0.110	10	2	1	1
PL.49394	PL.49393	ABC	#3/0 ACSR	7.42Y	123.7	0.24	1.34	114.42	38	2477	615	97	3.78	0.2	5.989	0.172	0	0	0	384
PL.49395	PL.49394	ABC	#3/0 ACSR	7.42Y	123.6	0.07	1.41	112.88	38	2439	602	97	1.06	0.0	6.038	0.050	1	0	1	383
PL.49396	PL.49395	ABC	#3/0 ACSR	7.40Y	123.4	0.19	1.60	112.83	38	2437	600	97	2.99	0.1	6.178	0.140	0	0	0	382
PL.49397	PL.49396	ABC	#3/0 ACSR	7.40Y	123.3	0.08	1.68	112.83	38	2434	596	97	1.25	0.1	6.237	0.058	2	0	1	382
PL.49398	PL.49397	ABC	#3/0 ACSR	7.39Y	123.1	0.22	1.90	112.76	38	2432	593	97	3.33	0.1	6.393	0.156	0	0	0	381
PL.49399	PL.49398	A	6 A (CWC)	7.39Y	123.1	0.02	1.92	4.59	3	33	7	98	0.00	0.0	6.478	0.086	0	0	0	4
PL.47694	PL.49399	A	#4 ACSR	7.38Y	123.1	0.00	1.92	2.05	2	15	3	98	0.00	0.0	6.566	0.087	15	3	1	1
PL.49400	PL.49399	A	6 A (CWC)	7.38Y	123.1	0.01	1.92	2.54	2	18	4	98	0.00	0.0	6.549	0.070	8	2	2	3

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.63438	PL.49400	A	#1/0 ACSR	7.38Y	123.1	0.00	1.92	1.40	1	10	2	98	0.00	0.0	6.601	0.052	0	0	0	1
PL.63439	PL.63438	A	#1/0 ACSR	7.38Y	123.1	0.00	1.92	1.40	1	10	2	98	0.00	0.0	6.635	0.034	10	2	1	1
PL.47445	PL.49398	ABC	#3/0 ACSR	7.37Y	122.8	0.32	2.22	111.23	37	2395	581	97	4.87	0.2	6.627	0.234	0	0	0	377
PL.48522	PL.47445	C	6 A (CWC)	7.37Y	122.8	0.01	2.23	2.60	2	19	4	98	0.00	0.0	6.724	0.098	0	0	0	5
PL.61696	PL.48522	C	6 A (CWC)	7.37Y	122.8	0.00	2.23	1.41	1	10	2	98	0.00	0.0	6.728	0.003	0	0	0	2
PD.9154	PL.61696	C	15T	7.37Y	122.8	0.00	2.23	1.41	0	10	2	98	0.00	0.0	6.728	0.003	0	0	0	2
PL.61958	PD.9154	C	6 A (CWC)	7.37Y	122.8	0.01	2.23	1.41	1	10	2	98	0.00	0.0	6.899	0.171	10	2	2	2
PL.48523	PL.48522	C	6 A (CWC)	7.37Y	122.8	0.00	2.23	1.19	1	9	2	98	0.00	0.0	6.799	0.075	0	0	0	3
PL.61697	PL.48523	C	6 A (CWC)	7.37Y	122.8	0.00	2.23	0.00	0	0	0	100	0.00	0.0	6.803	0.004	0	0	0	1
PD.9155	PL.61697	C	15T	7.37Y	122.8	0.00	2.23	0.00	0	0	0	100	0.00	0.0	6.803	0.004	0	0	0	1
PL.61698	PD.9155	C	6 A (CWC)	7.37Y	122.8	0.00	2.23	0.00	0	0	0	100	0.00	0.0	6.869	0.066	0	0	1	1
PL.48024	PL.48523	C	6 A (CWC)	7.37Y	122.8	0.00	2.24	1.19	1	9	2	98	0.00	0.0	6.886	0.086	3	1	1	2
PL.48025	PL.48024	C	6 A (CWC)	7.37Y	122.8	0.00	2.24	0.82	1	6	1	99	0.00	0.0	7.016	0.130	6	1	1	1
PL.46798	PL.47445	ABC	#3/0 ACSR	7.35Y	122.5	0.23	2.45	110.36	37	2372	570	97	3.53	0.1	6.799	0.173	0	0	0	372
PL.61699	PL.46798	A	6 A (CWC)	7.35Y	122.5	0.03	2.48	8.29	6	60	13	98	0.01	0.0	6.883	0.083	0	0	0	13
PD.9156-A	PL.61699	A	Closed	7.35Y	122.5	0.00	2.48	8.29	0	59	13	98	0.00	0.0	6.883	0.083	0	0	0	13
PD.9156-B	PD.9156-A	A	Closed	7.35Y	122.5	0.00	2.48	8.29	0	59	13	98	0.00	0.0	6.883	0.083	0	0	0	13
PL.61700	PD.9156-B	A	6 A (CWC)	7.35Y	122.5	0.00	2.48	8.29	6	59	13	98	0.00	0.0	6.886	0.003	0	0	0	13
PL.61701	PL.61700	A	#2 ACSR	7.35Y	122.5	0.00	2.48	1.05	1	8	2	97	0.00	0.0	6.889	0.003	0	0	0	1
PD.9157	PL.61701	A	15T	7.35Y	122.5	0.00	2.48	1.05	0	8	2	97	0.00	0.0	6.889	0.003	0	0	0	1
PL.61702	PD.9157	A	#2 ACSR	7.35Y	122.5	0.00	2.48	1.05	1	8	2	97	0.00	0.0	6.933	0.044	8	2	1	1
PL.64281	PL.61700	A	6 A (CWC)	7.35Y	122.5	0.03	2.52	7.24	5	52	12	97	0.01	0.0	6.987	0.101	0	0	0	12
PD.9513	PL.64281	A	65T	7.35Y	122.5	0.00	2.52	7.24	0	52	12	97	0.00	0.0	6.987	0.101	0	0	0	12
PL.64282	PD.9513	A	6 A (CWC)	7.34Y	122.4	0.11	2.62	7.24	5	52	12	97	0.04	0.1	7.312	0.325	0	0	0	12
PL.60087	PL.64282	A	6 A (CWC)	7.34Y	122.4	0.01	2.64	2.75	2	20	4	98	0.00	0.0	7.427	0.115	1	0	2	6
PL.60088	PL.60087	A	6 A (CWC)	7.34Y	122.4	0.00	2.64	2.66	2	19	4	98	0.00	0.0	7.451	0.024	0	0	0	4
PL.60086	PL.60088	A	6 A (CWC)	7.34Y	122.4	0.00	2.64	2.66	2	19	4	98	0.00	0.0	7.456	0.004	0	0	0	4
PL.57611	PL.60086	A	6 A (CWC)	7.34Y	122.3	0.01	2.65	2.66	2	19	4	98	0.00	0.0	7.564	0.109	0	0	0	4
PL.45992	PL.57611	A	6 A (CWC)	7.34Y	122.3	0.00	2.65	1.05	1	8	2	97	0.00	0.0	7.655	0.091	8	2	1	1
PL.57613	PL.57611	A	#1/0 ACSR	7.34Y	122.3	0.00	2.65	0.48	0	3	1	95	0.00	0.0	7.568	0.004	0	0	0	1
PD.8388	PL.57613	A	12T	7.34Y	122.3	0.00	2.65	0.48	0	3	1	95	0.00	0.0	7.568	0.004	0	0	0	1

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

Balanced Voltage Drop Report  
Source: Brodhead

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.57612	PD.8388	A	#1/0 ACSR	7.34Y	122.3	0.00	2.65	0.48	0	3	1	95	0.00	0.0	7.627	0.059	0	0	0	1
PL.57614	PL.57612	A	#1/0 ACSR	7.34Y	122.3	0.00	2.65	0.48	0	3	1	95	0.00	0.0	7.761	0.134	3	1	1	1
PL.61707	PL.57611	A	6 A (CWC)	7.34Y	122.3	0.00	2.65	1.13	1	8	2	97	0.00	0.0	7.567	0.003	0	0	0	2
PD.9160	PL.61707	A	12T	7.34Y	122.3	0.00	2.65	1.13	0	8	2	97	0.00	0.0	7.567	0.003	0	0	0	2
PL.61708	PD.9160	A	6 A (CWC)	7.34Y	122.3	0.00	2.65	1.13	1	8	2	97	0.00	0.0	7.634	0.067	6	1	1	2
PL.48464	PL.61708	A	6 A (CWC)	7.34Y	122.3	0.00	2.65	0.36	0	3	1	95	0.00	0.0	7.651	0.017	0	0	0	1
PL.47628	PL.48464	A	6 A (CWC)	7.34Y	122.3	0.00	2.65	0.00	0	0	0	100	0.00	0.0	7.763	0.112	0	0	0	0
PL.48436	PL.48464	A	6 A (CWC)	7.34Y	122.3	0.00	2.66	0.36	0	3	1	95	0.00	0.0	7.738	0.088	3	1	1	1
PL.61705	PL.64282	A	#4 ACSR	7.34Y	122.4	0.00	2.62	2.23	2	16	4	97	0.00	0.0	7.316	0.004	0	0	0	4
PD.9159	PL.61705	A	25T	7.34Y	122.4	0.00	2.62	2.23	0	16	4	97	0.00	0.0	7.316	0.004	0	0	0	4
PL.61706	PD.9159	A	#4 ACSR	7.34Y	122.4	0.01	2.63	2.23	2	16	4	97	0.00	0.0	7.428	0.112	14	3	3	4
PL.49402	PL.61706	A	#4 ACSR	7.34Y	122.4	0.00	2.63	0.27	0	2	0	100	0.00	0.0	7.503	0.075	2	0	1	1
PL.49403	PL.49402	A	#4 ACSR	7.34Y	122.4	0.00	2.63	0.00	0	0	0	100	0.00	0.0	7.591	0.088	0	0	0	0
PL.61703	PL.64282	A	6 A (CWC)	7.34Y	122.4	0.00	2.62	2.25	2	16	4	97	0.00	0.0	7.315	0.003	0	0	0	2
PD.9158	PL.61703	A	25T	7.34Y	122.4	0.00	2.62	2.25	0	16	4	97	0.00	0.0	7.315	0.003	0	0	0	2
PL.61704	PD.9158	A	6 A (CWC)	7.34Y	122.4	0.00	2.62	2.25	2	16	4	97	0.00	0.0	7.350	0.035	16	4	2	2
PL.48026	PL.46798	ABC	#3/0 ACSR	7.35Y	122.5	0.09	2.54	107.60	36	2309	552	97	1.30	0.1	6.866	0.067	0	0	0	359
PL.47142	PL.48026	C	#4 ACSR	7.35Y	122.5	0.00	2.54	0.00	0	0	0	100	0.00	0.0	6.920	0.054	0	0	0	0
PL.49404	PL.48026	ABC	#3/0 ACSR	7.34Y	122.3	0.17	2.71	107.60	36	2307	550	97	2.56	0.1	6.998	0.132	6	1	1	359
PL.59038	PL.49404	ABC	#3/0 ACSR	7.33Y	122.1	0.14	2.85	107.34	36	2299	545	97	2.11	0.1	7.107	0.110	9	2	2	358
PL.59054	PL.59038	ABC	#3/0 ACSR	7.32Y	122.0	0.15	3.01	106.92	36	2288	540	97	2.25	0.1	7.226	0.118	22	5	5	356
PL.59055	PL.59054	ABC	#3/0 ACSR	7.31Y	121.9	0.08	3.09	101.55	34	2171	511	97	1.18	0.1	7.295	0.069	23	5	3	334
PL.59039	PL.59055	ABC	#3/0 ACSR	7.31Y	121.9	0.03	3.12	100.48	33	2146	504	97	0.44	0.0	7.321	0.026	0	0	0	331
PL.52515	PL.59039	ABC	#3/0 ACSR	7.31Y	121.8	0.04	3.17	100.48	33	2146	504	97	0.60	0.0	7.356	0.036	20	5	2	331
PL.52516	PL.52515	ABC	#3/0 ACSR	7.31Y	121.8	0.05	3.22	99.52	33	2125	498	97	0.73	0.0	7.401	0.044	18	4	3	329
PL.49409	PL.52516	ABC	#3/0 ACSR	7.30Y	121.7	0.05	3.27	98.70	33	2106	493	97	0.62	0.0	7.438	0.038	2	0	1	326
PL.49410	PL.49409	ABC	#3/0 ACSR	7.30Y	121.7	0.07	3.33	98.60	33	2104	492	97	0.92	0.0	7.495	0.057	21	5	3	325
PL.47893	PL.49410	ABC	#3/0 ACSR	7.30Y	121.6	0.04	3.37	97.64	33	2082	486	97	0.52	0.0	7.528	0.033	15	3	2	322
PL.47271	PL.47893	ABC	#3/0 ACSR	7.29Y	121.6	0.07	3.44	96.94	32	2067	482	97	0.94	0.0	7.588	0.059	7	2	1	320
PL.47272	PL.47271	ABC	#3/0 ACSR	7.29Y	121.5	0.07	3.51	96.59	32	2059	479	97	0.88	0.0	7.644	0.056	0	0	0	319
PL.47895	PL.47272	ABC	336 MCM AC	7.29Y	121.5	0.02	3.53	91.33	18	1945	453	97	0.17	0.0	7.669	0.025	8	2	1	307

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Balanced Voltage Drop Report  
Source: Brodhead

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.47896	PL.47895	ABC	336 MCM AC	7.29Y	121.5	0.02	3.54	90.97	18	1937	450	97	0.19	0.0	7.697	0.028	0	0	0	306
PL.61963	PL.47896	ABC	336 MCM AC	7.29Y	121.4	0.02	3.56	72.99	14	1554	364	97	0.15	0.0	7.730	0.033	8	2	1	243
PL.61964	PL.61963	ABC	336 MCM AC	7.28Y	121.4	0.03	3.59	72.62	14	1546	362	97	0.22	0.0	7.780	0.050	0	0	0	242
PL.49413	PL.61964	ABC	336 MCM AC	7.28Y	121.4	0.00	3.59	72.62	14	1545	361	97	0.00	0.0	7.781	0.001	0	0	0	242
PD.7600	PL.49413	ABC	140L	7.28Y	121.4	0.00	3.59	72.62	52	1545	361	97	0.00	0.0	7.781	0.001	0	0	0	242
PL.49414	PD.7600	ABC	336 MCM AC	7.28Y	121.4	0.03	3.62	72.62	14	1545	361	97	0.27	0.0	7.842	0.060	11	2	1	242
PL.57397	PL.49414	ABC	336 MCM AC	7.28Y	121.3	0.03	3.65	72.13	14	1535	358	97	0.28	0.0	7.907	0.065	10	2	1	241
PL.57398	PL.57397	ABC	336 MCM AC	7.28Y	121.3	0.03	3.68	71.64	14	1524	355	97	0.27	0.0	7.969	0.063	6	1	2	240
PL.49416	PL.57398	ABC	336 MCM AC	7.28Y	121.3	0.06	3.74	70.79	14	1505	351	97	0.47	0.0	8.081	0.111	0	0	0	237
PL.48912	PL.49416	A	#4 ACSR	7.28Y	121.3	0.00	3.74	4.53	3	32	7	98	0.00	0.0	8.081	0.001	0	0	0	3
PD.7532	PL.48912	A	12T	7.28Y	121.3	0.00	3.74	4.53	0	32	7	98	0.00	0.0	8.081	0.001	0	0	0	3
PL.48377	PD.7532	A	#4 ACSR	7.28Y	121.3	0.00	3.74	4.53	3	32	7	98	0.00	0.0	8.101	0.020	0	0	0	3
PL.49417	PL.48377	A	#4 ACSR	7.28Y	121.3	0.00	3.74	1.16	1	8	2	97	0.00	0.0	8.227	0.125	8	2	1	1
PL.49418	PL.48377	A	#4 ACSR	7.27Y	121.2	0.01	3.75	3.38	3	24	5	98	0.00	0.0	8.189	0.088	11	2	1	2
PL.49419	PL.49418	A	#4 ACSR	7.27Y	121.2	0.00	3.75	1.87	1	13	3	97	0.00	0.0	8.259	0.071	13	3	1	1
PL.47761	PL.49416	ABC	336 MCM AC	7.27Y	121.2	0.05	3.79	69.28	13	1473	343	97	0.43	0.0	8.188	0.107	0	0	0	234
PL.48379	PL.47761	A	#4 ACSR	7.27Y	121.2	0.00	3.79	0.00	0	0	0	100	0.00	0.0	8.227	0.039	0	0	0	0
PD.7345	PL.48379	A	50QA	7.27Y	121.2	0.00	3.79	0.00	0	0	0	100	0.00	0.0	8.227	0.039	0	0	0	0
PL.48380	PD.7345	A	#4 ACSR	7.27Y	121.2	0.00	3.79	0.00	0	0	0	100	0.00	0.0	8.286	0.059	0	0	0	0
PL.48381	PL.48380	A	#4 ACSR	7.27Y	121.2	0.00	3.79	0.00	0	0	0	100	0.00	0.0	8.409	0.123	0	0	0	0
PL.61541	PL.47761	ABC	336 MCM AC	7.27Y	121.2	0.03	3.82	67.37	13	1432	333	97	0.26	0.0	8.256	0.068	0	0	0	228
PL.61877	PL.61541	ABC	336 MCM AC	7.27Y	121.1	0.05	3.87	67.37	13	1431	332	97	0.41	0.0	8.362	0.106	0	0	0	228
PL.49015	PL.61877	C	#4 ACSR	7.27Y	121.1	0.00	3.87	0.95	1	7	1	99	0.00	0.0	8.363	0.001	0	0	0	1
PD.7346	PL.49015	C	50QA	7.27Y	121.1	0.00	3.87	0.95	2	7	1	99	0.00	0.0	8.363	0.001	0	0	0	1
PL.64766	PD.7346	C	#4 ACSR	7.27Y	121.1	0.00	3.87	0.95	1	7	1	99	0.00	0.0	8.371	0.008	0	0	0	1
PL.64767	PL.64766	C	#4 ACSR	7.27Y	121.1	0.00	3.87	0.00	0	0	0	100	0.00	0.0	8.403	0.032	0	0	0	0
PL.64768	PL.64766	C	#1/0 ACSR	7.27Y	121.1	0.00	3.87	0.95	0	7	1	99	0.00	0.0	8.409	0.038	7	1	1	1
PL.49014	PL.61877	ABC	336 MCM AC	7.26Y	121.1	0.05	3.92	67.05	13	1424	330	97	0.41	0.0	8.469	0.107	0	0	0	227
PL.49016	PL.49014	C	#2 ACSR	7.26Y	121.1	0.00	3.92	0.00	0	0	0	100	0.00	0.0	8.471	0.002	0	0	0	0
PD.7325	PL.49016	C	50QA	7.26Y	121.1	0.00	3.92	0.00	0	0	0	100	0.00	0.0	8.471	0.002	0	0	0	0
PL.49017	PD.7325	C	#2 ACSR	7.26Y	121.1	0.00	3.92	0.00	0	0	0	100	0.00	0.0	8.562	0.091	0	0	0	0

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.49046	PL.49014	A	#2 ACSR	7.26Y	121.1	0.00	3.92	1.51	1	11	2	98	0.00	0.0	8.471	0.001	0	0	0	2
PD.7347	PL.49046	A	40T	7.26Y	121.1	0.00	3.92	1.51	0	11	2	98	0.00	0.0	8.471	0.001	0	0	0	2
PL.49047	PD.7347	A	#2 ACSR	7.26Y	121.1	0.00	3.93	1.51	1	11	2	98	0.00	0.0	8.523	0.052	0	0	0	2
PL.49048	PL.49047	A	#2 ACSR	7.26Y	121.1	0.00	3.93	0.66	0	5	1	98	0.00	0.0	8.556	0.033	0	0	0	1
PL.47714	PL.49048	A	#2 ACSR	7.26Y	121.1	0.00	3.93	0.66	0	5	1	98	0.00	0.0	8.578	0.022	5	1	1	1
PL.49049	PL.49048	A	#2 ACSR	7.26Y	121.1	0.00	3.93	0.00	0	0	0	100	0.00	0.0	8.714	0.158	0	0	0	0
PL.49050	PL.49049	A	#2 ACSR	7.26Y	121.1	0.00	3.93	0.00	0	0	0	100	0.00	0.0	8.739	0.026	0	0	0	0
PL.61897	PL.49049	A	6 A (CWC)	7.26Y	121.1	0.00	3.93	0.00	0	0	0	100	0.00	0.0	8.717	0.003	0	0	0	0
PL.61894	PL.49047	A	#2 ACSR	7.26Y	121.1	0.00	3.93	0.85	0	6	1	99	0.00	0.0	8.526	0.003	0	0	0	1
PD.9236	PL.61894	A	12T	7.26Y	121.1	0.00	3.93	0.85	0	6	1	99	0.00	0.0	8.526	0.003	0	0	0	1
PL.61895	PD.9236	A	#2 ACSR	7.26Y	121.1	0.00	3.93	0.85	0	6	1	99	0.00	0.0	8.549	0.022	6	1	1	1
PL.49231	PL.49014	ABC	336 MCM AC	7.26Y	121.0	0.11	4.03	66.55	13	1413	326	97	0.85	0.1	8.698	0.228	0	0	0	225
PL.48438	PL.49231	C	6 A (CWC)	7.26Y	121.0	0.00	4.03	0.80	1	6	1	99	0.00	0.0	8.699	0.001	0	0	0	1
PD.7349	PL.48438	C	50QA	7.26Y	121.0	0.00	4.03	0.80	2	6	1	99	0.00	0.0	8.699	0.001	0	0	0	1
PL.48441	PD.7349	C	6 A (CWC)	7.26Y	121.0	0.00	4.03	0.80	1	6	1	99	0.00	0.0	8.739	0.040	6	1	1	1
PL.48442	PL.48441	C	6 A (CWC)	7.26Y	121.0	0.00	4.03	0.00	0	0	0	100	0.00	0.0	8.768	0.029	0	0	0	0
PL.48439	PL.49231	A	6 A (CWC)	7.26Y	121.0	0.00	4.03	0.38	0	3	1	95	0.00	0.0	8.699	0.001	0	0	0	1
PD.7348	PL.48439	A	50QA	7.26Y	121.0	0.00	4.03	0.38	1	3	1	95	0.00	0.0	8.699	0.001	0	0	0	1
PL.48440	PD.7348	A	6 A (CWC)	7.26Y	121.0	0.00	4.03	0.38	0	3	1	95	0.00	0.0	8.796	0.097	3	1	1	1
PL.48437	PL.49231	ABC	336 MCM AC	7.26Y	121.0	0.00	4.03	66.15	13	1404	322	97	0.00	0.0	8.699	0.001	0	0	0	223
PL.52786	PL.48437	ABC	336 MCM AC	7.26Y	120.9	0.03	4.06	66.15	13	1404	322	97	0.21	0.0	8.756	0.057	0	0	0	223
PL.52787	PL.52786	ABC	336 MCM AC	7.25Y	120.9	0.04	4.10	66.15	13	1404	322	97	0.34	0.0	8.849	0.093	2	1	1	223
PL.48444	PL.52787	ABC	336 MCM AC	7.25Y	120.9	0.02	4.12	66.04	13	1401	321	97	0.18	0.0	8.897	0.048	0	0	0	222
PL.46896	PL.48444	ABC	336 MCM AC	7.25Y	120.8	0.06	4.19	43.47	8	922	212	97	0.34	0.0	9.110	0.213	0	0	0	136
PL.49229	PL.46896	A	6 A (CWC)	7.25Y	120.8	0.00	4.19	2.96	2	21	5	97	0.00	0.0	9.112	0.001	0	0	0	3
PD.7358	PL.49229	A	50QA	7.25Y	120.8	0.00	4.19	2.96	6	21	5	97	0.00	0.0	9.112	0.001	0	0	0	3
PL.49230	PD.7358	A	6 A (CWC)	7.25Y	120.8	0.00	4.19	2.96	2	21	5	97	0.00	0.0	9.143	0.031	10	2	1	3
PL.49228	PL.49230	A	6 A (CWC)	7.25Y	120.8	0.00	4.19	1.51	1	11	2	98	0.00	0.0	9.181	0.038	0	0	0	2
PL.49227	PL.49228	A	6 A (CWC)	7.25Y	120.8	0.00	4.20	1.26	1	9	2	98	0.00	0.0	9.263	0.081	0	0	0	1
PL.48248	PL.49227	A	6 A (CWC)	7.25Y	120.8	0.00	4.20	1.26	1	9	2	98	0.00	0.0	9.399	0.136	9	2	1	1
PL.46894	PL.49228	A	6 A (CWC)	7.25Y	120.8	0.00	4.19	0.25	0	2	0	100	0.00	0.0	9.227	0.046	2	0	1	1

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Balanced Voltage Drop Report  
Source: Brodhead

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.49223	PL.46896	ABC	336 MCM AC	7.25Y	120.8	0.03	4.21	42.48	8	901	207	97	0.14	0.0	9.202	0.092	0	0	0	133
PL.49225	PL.49223	A	6 A (CWC)	7.25Y	120.8	0.00	4.21	0.00	0	0	0	100	0.00	0.0	9.203	0.001	0	0	0	0
PD.7569	PL.49225	A	50QA	7.25Y	120.8	0.00	4.21	0.00	0	0	0	100	0.00	0.0	9.203	0.001	0	0	0	0
PL.49226	PD.7569	A	6 A (CWC)	7.25Y	120.8	0.00	4.21	0.00	0	0	0	100	0.00	0.0	9.312	0.109	0	0	0	0
PL.49224	PL.49223	ABC	336 MCM AC	7.25Y	120.8	0.03	4.24	42.48	8	900	206	97	0.14	0.0	9.297	0.094	7	2	2	133
PL.49220	PL.49224	C	#2 ACSR	7.25Y	120.8	0.00	4.24	2.17	1	15	3	98	0.00	0.0	9.298	0.001	0	0	0	2
PD.7392	PL.49220	C	50QA	7.25Y	120.8	0.00	4.24	2.17	4	15	3	98	0.00	0.0	9.298	0.001	0	0	0	2
PL.49221	PD.7392	C	#2 ACSR	7.25Y	120.8	0.00	4.24	2.17	1	15	3	98	0.00	0.0	9.323	0.026	15	3	2	2
PL.49222	PL.49224	ABC	336 MCM AC	7.24Y	120.7	0.02	4.26	41.44	8	878	201	97	0.10	0.0	9.363	0.067	0	0	0	129
PL.49065	PL.49222	ABC	#4 ACSR	7.24Y	120.7	0.00	4.26	0.01	0	0	0	100	0.00	0.0	9.364	0.001	0	0	0	1
PD.7364	PL.49065	ABC	50QA	7.24Y	120.7	0.00	4.26	0.01	0	0	0	100	0.00	0.0	9.364	0.001	0	0	0	1
PL.49066	PD.7364	ABC	#4 ACSR	7.24Y	120.7	0.00	4.26	0.01	0	0	0	100	0.00	0.0	9.398	0.034	0	0	1	1
PL.49064	PL.49222	ABC	336 MCM AC	7.24Y	120.7	0.01	4.27	41.27	8	875	199	98	0.05	0.0	9.396	0.033	0	0	0	127
PL.49062	PL.49064	A	6 A (CWC)	7.24Y	120.7	0.00	4.27	58.33	42	412	94	97	0.01	0.0	9.397	0.001	0	0	0	61
PD.7601	PL.49062	A	100L	7.24Y	120.7	0.00	4.27	58.33	58	412	94	97	0.00	0.0	9.397	0.001	0	0	0	61
PL.49063	PD.7601	A	6 A (CWC)	7.23Y	120.6	0.16	4.43	58.33	42	412	94	97	0.51	0.1	9.459	0.062	7	2	1	61
PL.49058	PL.49063	A	6 A (CWC)	7.22Y	120.3	0.31	4.75	57.30	41	404	92	98	0.97	0.2	9.580	0.121	0	0	0	60
PL.61908	PL.49058	A	6 A (CWC)	7.22Y	120.3	0.00	4.75	3.59	3	25	6	97	0.00	0.0	9.583	0.003	0	0	0	4
PD.9241	PL.61908	A	25T	7.22Y	120.3	0.00	4.75	3.59	0	25	6	97	0.00	0.0	9.583	0.003	0	0	0	4
PL.61909	PD.9241	A	6 A (CWC)	7.21Y	120.2	0.00	4.75	3.59	3	25	6	97	0.00	0.0	9.605	0.022	0	0	0	4
PL.60156	PL.61909	A	#1/0 ACSR	7.21Y	120.2	0.00	4.75	0.00	0	0	0	100	0.00	0.0	9.662	0.057	0	0	1	1
PL.60155	PL.61909	A	6 A (CWC)	7.21Y	120.2	0.02	4.77	3.59	3	25	6	97	0.00	0.0	9.768	0.163	17	4	2	3
PL.49057	PL.60155	A	6 A (CWC)	7.21Y	120.2	0.00	4.77	1.19	1	8	2	97	0.00	0.0	9.898	0.129	8	2	1	1
PL.49161	PL.49058	A	6 A (CWC)	7.20Y	119.9	0.33	5.08	53.71	38	378	86	98	0.95	0.3	9.717	0.137	4	1	1	56
PL.61906	PL.49161	A	6 A (CWC)	7.20Y	119.9	0.00	5.08	2.00	1	14	3	98	0.00	0.0	9.720	0.003	0	0	0	2
PD.9240	PL.61906	A	25T	7.20Y	119.9	0.00	5.08	2.00	0	14	3	98	0.00	0.0	9.720	0.003	0	0	0	2
PL.61907	PD.9240	A	6 A (CWC)	7.19Y	119.9	0.02	5.09	2.00	1	14	3	98	0.00	0.0	9.963	0.243	6	1	1	2
PL.49160	PL.61907	A	6 A (CWC)	7.19Y	119.9	0.00	5.10	1.19	1	8	2	97	0.00	0.0	10.062	0.099	8	2	1	1
PL.61904	PL.49161	A	6 A (CWC)	7.20Y	119.9	0.00	5.08	1.45	1	10	2	98	0.00	0.0	9.720	0.003	0	0	0	1
PD.9239	PL.61904	A	25T	7.20Y	119.9	0.00	5.08	1.45	0	10	2	98	0.00	0.0	9.720	0.003	0	0	0	1
PL.61905	PD.9239	A	6 A (CWC)	7.20Y	119.9	0.00	5.08	1.45	1	10	2	98	0.00	0.0	9.761	0.041	10	2	1	1

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.49159	PL.49161	A	6 A (CWC)	7.16Y	119.4	0.56	5.63	49.62	35	348	79	98	1.47	0.4	9.970	0.253	12	3	2	52
PL.61902	PL.49159	A	6 A (CWC)	7.16Y	119.4	0.00	5.63	2.22	2	15	3	98	0.00	0.0	9.973	0.003	0	0	0	2
PD.9238	PL.61902	A	25T	7.16Y	119.4	0.00	5.63	2.22	0	15	3	98	0.00	0.0	9.973	0.003	0	0	0	2
PL.61903	PD.9238	A	6 A (CWC)	7.16Y	119.3	0.02	5.65	2.22	2	15	3	98	0.00	0.0	10.162	0.189	0	0	1	2
PL.49158	PL.61903	A	6 A (CWC)	7.16Y	119.3	0.01	5.66	2.21	2	15	3	98	0.00	0.0	10.287	0.125	15	3	1	1
PL.49440	PL.49159	A	6 A (CWC)	7.15Y	119.2	0.17	5.80	45.75	33	320	72	98	0.42	0.1	10.051	0.082	0	0	0	48
PL.61866	PL.49440	A	6 A (CWC)	7.14Y	119.1	0.12	5.92	45.75	33	319	72	98	0.29	0.1	10.109	0.058	0	0	0	48
PD.9200-A	PL.61866	A	Closed	7.14Y	119.1	0.00	5.92	45.75	0	319	72	98	0.00	0.0	10.109	0.058	0	0	0	48
PD.9200-B	PD.9200-A	A	Closed	7.14Y	119.1	0.00	5.92	45.75	0	319	72	98	0.00	0.0	10.109	0.058	0	0	0	48
PL.61867	PD.9200-B	A	6 A (CWC)	7.14Y	119.1	0.01	5.93	45.75	33	319	72	98	0.02	0.0	10.112	0.003	0	0	0	48
PL.61864	PL.61867	A	#1/0 ACSR	7.14Y	119.1	0.00	5.93	0.00	0	0	0	100	0.00	0.0	10.115	0.003	0	0	0	0
PD.9199	PL.61864	A	12T	7.14Y	119.1	0.00	5.93	0.00	0	0	0	100	0.00	0.0	10.115	0.003	0	0	0	0
PL.61865	PD.9199	A	#1/0 ACSR	7.14Y	119.1	0.00	5.93	0.00	0	0	0	100	0.00	0.0	10.172	0.057	0	0	0	0
PL.49439	PL.61867	A	6 A (CWC)	7.13Y	118.9	0.17	6.10	45.75	33	319	72	98	0.43	0.1	10.196	0.084	0	0	0	48
PL.49024	PL.49439	A	6 A (CWC)	7.12Y	118.7	0.16	6.25	45.75	33	319	71	98	0.38	0.1	10.271	0.075	0	0	0	48
PL.61862	PL.49024	A	6 A (CWC)	7.12Y	118.7	0.00	6.25	2.80	2	19	4	98	0.00	0.0	10.274	0.003	0	0	0	2
PD.9198	PL.61862	A	15T	7.12Y	118.7	0.00	6.25	2.80	0	19	4	98	0.00	0.0	10.274	0.003	0	0	0	2
PL.61863	PD.9198	A	6 A (CWC)	7.12Y	118.7	0.01	6.26	2.80	2	19	4	98	0.00	0.0	10.349	0.074	12	3	1	2
PL.49025	PL.61863	A	6 A (CWC)	7.12Y	118.7	0.00	6.26	1.09	1	8	2	97	0.00	0.0	10.401	0.052	8	2	1	1
PL.49023	PL.49024	A	6 A (CWC)	7.12Y	118.6	0.13	6.38	42.95	31	299	67	98	0.29	0.1	10.340	0.069	18	4	2	46
PL.49026	PL.49023	A	6 A (CWC)	7.11Y	118.6	0.04	6.42	10.14	7	70	16	97	0.02	0.0	10.430	0.089	1	0	1	11
PL.49027	PL.49026	A	6 A (CWC)	7.11Y	118.5	0.06	6.48	8.56	6	59	13	98	0.02	0.0	10.588	0.158	9	2	1	9
PL.49434	PL.49027	A	6 A (CWC)	7.11Y	118.5	0.01	6.49	7.23	5	50	11	98	0.00	0.0	10.621	0.033	5	1	1	8
PL.49435	PL.49434	A	6 A (CWC)	7.11Y	118.5	0.01	6.50	6.51	5	45	10	98	0.00	0.0	10.653	0.032	9	2	1	7
PL.49436	PL.49435	A	6 A (CWC)	7.11Y	118.5	0.01	6.51	5.24	4	36	8	98	0.00	0.0	10.694	0.041	24	5	3	6
PL.49437	PL.49436	A	6 A (CWC)	7.11Y	118.5	0.00	6.51	1.83	1	13	3	97	0.00	0.0	10.720	0.025	0	0	0	3
PL.49438	PL.49437	A	6 A (CWC)	7.11Y	118.5	0.00	6.51	0.00	0	0	0	100	0.00	0.0	10.958	0.239	0	0	0	0
PL.61856	PL.49437	A	6 A (CWC)	7.11Y	118.5	0.00	6.51	1.36	1	9	2	98	0.00	0.0	10.723	0.003	0	0	0	2
PD.9195	PL.61856	A	12T	7.11Y	118.5	0.00	6.51	1.36	0	9	2	98	0.00	0.0	10.723	0.003	0	0	0	2
PL.61857	PD.9195	A	6 A (CWC)	7.11Y	118.5	0.00	6.51	1.36	1	9	2	98	0.00	0.0	10.761	0.038	9	2	2	2
PL.61858	PL.49437	A	6 A (CWC)	7.11Y	118.5	0.00	6.51	0.47	0	3	1	95	0.00	0.0	10.723	0.003	0	0	0	1

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
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PD.9196	PL.61858	A	12T	7.11Y	118.5	0.00	6.51	0.47	0	3	1	95	0.00	0.0	10.723	0.003	0	0	0	1
PL.61859	PD.9196	A	6 A (CWC)	7.11Y	118.5	0.00	6.51	0.47	0	3	1	95	0.00	0.0	10.802	0.079	3	1	1	1
PL.61860	PL.49026	A	#4 ACSR	7.11Y	118.6	0.00	6.42	1.42	1	10	2	98	0.00	0.0	10.433	0.003	0	0	0	1
PD.9197	PL.61860	A	12T	7.11Y	118.6	0.00	6.42	1.42	0	10	2	98	0.00	0.0	10.433	0.003	0	0	0	1
PL.61861	PD.9197	A	#4 ACSR	7.11Y	118.6	0.00	6.43	1.42	1	10	2	98	0.00	0.0	10.540	0.108	10	2	1	1
PL.49021	PL.49023	A	6 A (CWC)	7.11Y	118.5	0.16	6.54	30.19	22	210	47	98	0.25	0.1	10.455	0.115	0	0	0	33
PL.49022	PL.49021	A	6 A (CWC)	7.10Y	118.4	0.08	6.62	29.21	21	203	45	98	0.13	0.1	10.518	0.063	9	2	2	32
PL.47137	PL.49022	A	6 A (CWC)	7.10Y	118.3	0.08	6.70	23.88	17	166	37	98	0.10	0.1	10.600	0.082	16	4	3	28
PL.64894	PL.47137	A	#1/0 ACSR	7.10Y	118.3	0.00	6.70	0.21	0	1	0	100	0.00	0.0	10.658	0.058	1	0	1	1
PL.62277	PL.47137	A	6 A (CWC)	7.10Y	118.3	0.00	6.70	2.04	1	14	3	98	0.00	0.0	10.600	0.000	0	0	0	4
PD.9317	PL.62277	A	12T	7.10Y	118.3	0.00	6.70	2.04	0	14	3	98	0.00	0.0	10.600	0.000	0	0	0	4
PL.62278	PD.9317	A	6 A (CWC)	7.10Y	118.3	0.00	6.71	2.04	1	14	3	98	0.00	0.0	10.657	0.057	14	3	4	4
PL.47136	PL.47137	A	6 A (CWC)	7.09Y	118.2	0.12	6.82	19.25	14	133	30	98	0.12	0.1	10.735	0.135	0	0	0	20
PL.61874	PL.47136	A	#4 ACSR	7.09Y	118.2	0.00	6.83	3.26	3	23	5	98	0.00	0.0	10.758	0.022	0	0	0	3
PD.9204	PL.61874	A	12T	7.09Y	118.2	0.00	6.83	3.26	0	23	5	98	0.00	0.0	10.758	0.022	0	0	0	3
PL.61875	PD.9204	A	#4 ACSR	7.09Y	118.2	0.01	6.84	3.26	3	23	5	98	0.00	0.0	10.845	0.087	2	0	1	3
PL.47902	PL.61875	A	#4 ACSR	7.09Y	118.2	0.00	6.84	2.34	2	16	4	97	0.00	0.0	10.908	0.063	16	4	1	1
PL.64607	PL.61875	A	#4 ACSR	7.09Y	118.2	0.00	6.84	0.59	0	4	1	97	0.00	0.0	10.893	0.049	0	0	0	1
PL.64608	PL.64607	A	#4 ACSR	7.09Y	118.2	0.00	6.84	0.00	0	0	0	100	0.00	0.0	11.037	0.144	0	0	0	0
PL.64609	PL.64607	A	#1/0 ACSR	7.09Y	118.2	0.00	6.84	0.59	0	4	1	97	0.00	0.0	10.933	0.040	4	1	1	1
PL.61872	PL.47136	A	6 A (CWC)	7.09Y	118.2	0.00	6.82	0.97	1	7	1	99	0.00	0.0	10.738	0.003	0	0	0	3
PD.9203	PL.61872	A	12T	7.09Y	118.2	0.00	6.82	0.97	0	7	1	99	0.00	0.0	10.738	0.003	0	0	0	3
PL.61873	PD.9203	A	6 A (CWC)	7.09Y	118.2	0.01	6.83	0.97	1	7	1	99	0.00	0.0	10.967	0.229	0	0	0	3
PL.47408	PL.61873	A	6 A (CWC)	7.09Y	118.2	0.00	6.83	0.00	0	0	0	100	0.00	0.0	11.131	0.164	0	0	0	0
PL.61896	PL.61873	A	6 A (CWC)	7.09Y	118.2	0.01	6.84	0.97	1	7	1	99	0.00	0.0	11.423	0.456	7	1	2	3
PL.61898	PL.61896	A	6 A (CWC)	7.09Y	118.2	0.00	6.84	0.00	0	0	0	100	0.00	0.0	11.426	0.003	0	0	0	0
PL.61900	PL.61896	A	6 A (CWC)	7.09Y	118.2	0.00	6.84	0.01	0	0	0	100	0.00	0.0	11.426	0.003	0	0	0	1
PD.9237	PL.61900	A	10T	7.09Y	118.2	0.00	6.84	0.01	0	0	0	100	0.00	0.0	11.426	0.003	0	0	0	1
PL.61901	PD.9237	A	6 A (CWC)	7.09Y	118.2	0.00	6.84	0.01	0	0	0	100	0.00	0.0	11.458	0.032	0	0	1	1
PL.46738	PL.47136	A	6 A (CWC)	7.09Y	118.1	0.07	6.90	15.02	11	104	23	98	0.06	0.1	10.846	0.111	0	0	1	14
PL.49051	PL.46738	A	6 A (CWC)	7.09Y	118.1	0.00	6.90	15.01	11	104	23	98	0.00	0.0	10.852	0.006	0	0	0	13

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-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
-----																				
PD.7359	PL.49051	A	40QA	7.09Y	118.1	0.00	6.90	15.01	38	104	23	98	0.00	0.0	10.852	0.006	0	0	0	13
PL.49052	PD.7359	A	6 A (CWC)	7.08Y	118.0	0.05	6.96	15.01	11	104	23	98	0.04	0.0	10.940	0.087	17	4	1	13
PL.61876	PL.49052	A	6 A (CWC)	7.08Y	118.0	0.00	6.96	12.61	9	87	19	98	0.00	0.0	10.943	0.003	0	0	0	12
PD.9205	PL.61876	A	12T	7.08Y	118.0	0.00	6.96	12.61	0	87	19	98	0.00	0.0	10.943	0.003	0	0	0	12
PL.61492	PD.9205	A	6 A (CWC)	7.08Y	118.0	0.04	7.00	12.61	9	87	19	98	0.03	0.0	11.016	0.074	12	3	1	12
L PL.49053	PL.61492	A	6 A (CWC)	7.08Y	118.0	0.04	7.04	10.85	8	75	17	98	0.02	0.0	11.100	0.083	0	0	0	11 L
L PL.61493	PL.49053	A	6 A (CWC)	7.08Y	118.0	0.00	7.04	6.10	4	42	9	98	0.00	0.0	11.103	0.003	0	0	0	6 L
L PD.9206	PL.61493	A	12T	7.08Y	118.0	0.00	7.04	6.10	0	42	9	98	0.00	0.0	11.103	0.003	0	0	0	6 L
L PL.61494	PD.9206	A	6 A (CWC)	7.07Y	117.9	0.08	7.11	6.10	4	42	9	98	0.03	0.1	11.385	0.282	0	0	0	6 L
L PL.49018	PL.61494	A	6 A (CWC)	7.07Y	117.9	0.01	7.13	5.73	4	40	9	98	0.00	0.0	11.432	0.047	7	1	1	5 L
L PL.49019	PL.49018	A	6 A (CWC)	7.07Y	117.9	0.02	7.14	4.77	3	33	7	98	0.00	0.0	11.539	0.107	19	4	1	4 L
L PL.64063	PL.49019	A	6 A (CWC)	7.07Y	117.9	0.00	7.15	1.96	1	14	3	98	0.00	0.0	11.627	0.088	10	2	1	3 L
L PL.64064	PL.64063	A	6 A (CWC)	7.07Y	117.9	0.00	7.15	0.47	0	3	1	95	0.00	0.0	11.627	0.000	0	0	0	2 L
L PL.49020	PL.64064	A	6 A (CWC)	7.07Y	117.9	0.00	7.15	0.47	0	3	1	95	0.00	0.0	11.682	0.055	3	1	1	2 L
L PL.61957	PL.49020	A	#1/0 ACSR	7.07Y	117.9	0.00	7.15	0.00	0	0	0	100	0.00	0.0	11.776	0.093	0	0	1	1 L
L PL.47367	PL.61494	A	6 A (CWC)	7.07Y	117.9	0.00	7.12	0.37	0	3	1	95	0.00	0.0	11.471	0.087	3	1	1	1 L
L PL.47715	PL.49053	A	#4 ACSR	7.08Y	118.0	0.00	7.04	0.00	0	0	0	100	0.00	0.0	11.564	0.465	0	0	0	0 L
L PL.49054	PL.49053	A	6 A (CWC)	7.08Y	117.9	0.02	7.06	4.75	3	33	7	98	0.01	0.0	11.207	0.107	0	0	0	5 L
L PL.48159	PL.49054	A	6 A (CWC)	7.08Y	117.9	0.02	7.08	3.45	2	24	5	98	0.00	0.0	11.341	0.134	11	2	2	4 L
L PL.63714	PL.48159	A	6 A (CWC)	7.08Y	117.9	0.00	7.08	1.82	1	13	3	97	0.00	0.0	11.407	0.066	13	3	2	2 L
L PL.47769	PL.49054	A	6 A (CWC)	7.08Y	117.9	0.00	7.06	1.30	1	9	2	98	0.00	0.0	11.250	0.043	9	2	1	1 L
PL.61870	PL.49022	A	6 A (CWC)	7.10Y	118.4	0.00	6.62	4.08	3	28	6	98	0.00	0.0	10.521	0.003	0	0	0	2
PD.9202	PL.61870	A	12T	7.10Y	118.4	0.00	6.62	4.08	0	28	6	98	0.00	0.0	10.521	0.003	0	0	0	2
PL.61871	PD.9202	A	6 A (CWC)	7.10Y	118.4	0.01	6.63	4.08	3	28	6	98	0.00	0.0	10.598	0.077	28	6	2	2
PL.61868	PL.49021	A	#4 ACSR	7.11Y	118.5	0.00	6.54	0.98	1	7	2	96	0.00	0.0	10.458	0.003	0	0	0	1
PD.9201	PL.61868	A	12T	7.11Y	118.5	0.00	6.54	0.98	0	7	2	96	0.00	0.0	10.458	0.003	0	0	0	1
PL.61869	PD.9201	A	#4 ACSR	7.11Y	118.5	0.00	6.54	0.98	1	7	2	96	0.00	0.0	10.585	0.127	7	2	1	1
PL.61495	PL.49064	C	#1/0 ACSR	7.24Y	120.6	0.08	4.35	65.50	28	463	105	98	0.26	0.1	9.451	0.055	0	0	0	66
PL.61498	PL.61495	C	#1/0 ACSR	7.23Y	120.6	0.07	4.42	48.93	21	345	79	97	0.16	0.0	9.513	0.063	0	0	0	52
PD.9208	PL.61498	C	100L	7.23Y	120.6	0.00	4.42	48.93	49	345	78	98	0.00	0.0	9.513	0.063	0	0	0	52
PL.61499	PD.9208	C	#1/0 ACSR	7.23Y	120.5	0.12	4.54	48.93	21	345	78	98	0.28	0.1	9.625	0.112	9	2	1	52

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: Brodhead

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.47302	PL.61499	C	#2 ACSR	7.23Y	120.5	0.00	4.54	1.85	1	13	3	97	0.00	0.0	9.641	0.015	13	3	2	2
PL.47389	PL.61499	C	#1/0 ACSR	7.22Y	120.4	0.08	4.62	45.77	20	323	73	98	0.18	0.1	9.707	0.082	5	1	1	49
PL.49167	PL.47389	C	#1/0 ACSR	7.21Y	120.2	0.19	4.81	45.08	20	318	72	98	0.41	0.1	9.893	0.186	0	0	0	48
PL.61500	PL.49167	C	#2 ACSR	7.21Y	120.2	0.00	4.81	0.60	0	4	1	97	0.00	0.0	9.896	0.003	0	0	0	1
PD.9209	PL.61500	C	12T	7.21Y	120.2	0.00	4.81	0.60	0	4	1	97	0.00	0.0	9.896	0.003	0	0	0	1
PL.61501	PD.9209	C	#2 ACSR	7.21Y	120.2	0.00	4.81	0.60	0	4	1	97	0.00	0.0	9.923	0.027	4	1	1	1
PL.49168	PL.49167	C	#1/0 ACSR	7.20Y	120.1	0.11	4.92	44.48	19	313	70	98	0.24	0.1	10.005	0.111	0	0	0	47
PL.49169	PL.49168	C	#1/0 ACSR	7.19Y	119.9	0.18	5.11	41.50	18	292	66	98	0.37	0.1	10.208	0.203	13	3	1	43
PL.61504	PL.49169	C	#1/0 ACSR	7.19Y	119.9	0.00	5.11	6.36	3	45	10	98	0.00	0.0	10.208	0.000	0	0	0	7
PD.9211	PL.61504	C	12T	7.19Y	119.9	0.00	5.11	6.36	0	45	10	98	0.00	0.0	10.208	0.000	0	0	0	7
PL.61505	PD.9211	C	#1/0 ACSR	7.19Y	119.9	0.02	5.13	5.38	2	38	8	98	0.01	0.0	10.451	0.243	13	3	1	5
PL.49146	PL.61505	C	#1/0 ACSR	7.19Y	119.9	0.01	5.14	3.51	2	25	5	98	0.00	0.0	10.539	0.088	3	1	1	4
PL.49148	PL.49146	C	#1/0 ACSR	7.19Y	119.9	0.00	5.14	2.12	1	15	3	98	0.00	0.0	10.642	0.103	11	2	1	2
PL.49149	PL.49148	C	#1/0 ACSR	7.19Y	119.9	0.00	5.14	0.53	0	4	1	97	0.00	0.0	10.643	0.001	0	0	0	1
PL.49147	PL.49149	C	#1/0 ACSR	7.19Y	119.9	0.00	5.14	0.53	0	4	1	97	0.00	0.0	10.696	0.053	4	1	1	1
PL.64845	PL.49146	C	#1/0 ACSR	7.19Y	119.9	0.00	5.14	0.97	0	7	2	96	0.00	0.0	10.574	0.035	7	2	1	1
PL.61508	PD.9211	C	6 A (CWC)	7.19Y	119.9	0.00	5.11	0.98	1	7	2	96	0.00	0.0	10.304	0.096	7	2	2	2
PL.61506	PL.49169	C	#1/0 ACSR	7.19Y	119.9	0.00	5.11	5.24	2	37	8	98	0.00	0.0	10.208	0.000	0	0	0	3
PD.9212	PL.61506	C	12T	7.19Y	119.9	0.00	5.11	5.24	0	37	8	98	0.00	0.0	10.208	0.000	0	0	0	3
PL.61509	PD.9212	C	#2 ACSR	7.19Y	119.9	0.00	5.11	1.87	1	13	3	97	0.00	0.0	10.265	0.057	13	3	1	1
PL.61507	PD.9212	C	#1/0 ACSR	7.19Y	119.9	0.01	5.12	3.37	1	24	5	98	0.00	0.0	10.407	0.199	0	0	0	2
PL.49171	PL.61507	C	#1/0 ACSR	7.19Y	119.9	0.00	5.13	1.88	1	13	3	97	0.00	0.0	10.511	0.104	0	0	0	1
PL.60046	PL.49171	C	#1/0 ACSR	7.19Y	119.9	0.01	5.13	1.88	1	13	3	97	0.00	0.0	10.675	0.164	0	0	0	1
PL.63420	PL.60046	C	#1/0 ACSR	7.19Y	119.9	0.00	5.13	1.88	1	13	3	97	0.00	0.0	10.700	0.025	13	3	1	1
PL.60044	PL.61507	C	#2 ACSR	7.19Y	119.9	0.00	5.12	1.49	1	10	2	98	0.00	0.0	10.410	0.003	0	0	0	1
PD.8847	PL.60044	C	20T	7.19Y	119.9	0.00	5.12	1.49	0	10	2	98	0.00	0.0	10.410	0.003	0	0	0	1
PL.60045	PD.8847	C	#2 ACSR	7.19Y	119.9	0.00	5.12	1.49	1	10	2	98	0.00	0.0	10.478	0.067	10	2	1	1
PL.47522	PL.49169	C	#1/0 ACSR	7.19Y	119.9	0.04	5.14	28.06	12	197	44	98	0.05	0.0	10.268	0.060	10	2	1	32
PL.47779	PL.47522	C	#1/0 ACSR	7.19Y	119.8	0.03	5.17	26.61	12	187	42	98	0.03	0.0	10.311	0.042	0	0	0	31
PL.47780	PL.47779	C	#1/0 ACSR	7.19Y	119.8	0.04	5.21	26.61	12	187	42	98	0.05	0.0	10.379	0.068	1	0	2	31
PL.49172	PL.47780	C	#1/0 ACSR	7.18Y	119.7	0.05	5.26	26.46	12	186	41	98	0.06	0.0	10.469	0.091	25	6	3	29

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: Brodhead

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.49173	PL.49172	C	#1/0 ACSR	7.18Y	119.7	0.03	5.28	22.85	10	160	36	98	0.03	0.0	10.519	0.049	2	0	1	26
PL.49174	PL.49173	C	#1/0 ACSR	7.18Y	119.7	0.04	5.33	22.17	10	155	35	98	0.04	0.0	10.603	0.084	8	2	1	23
PL.49175	PL.49174	C	#1/0 ACSR	7.18Y	119.6	0.03	5.35	21.00	9	147	33	98	0.03	0.0	10.668	0.065	11	2	1	22
PL.61512	PL.49175	C	#1/0 ACSR	7.18Y	119.6	0.00	5.36	16.62	7	116	26	98	0.00	0.0	10.671	0.003	0	0	0	18
PD.9214-A	PL.61512	C	Closed	7.18Y	119.6	0.00	5.36	16.62	0	116	26	98	0.00	0.0	10.671	0.003	0	0	0	18
PD.9214-B	PD.9214-A	C	Closed	7.18Y	119.6	0.00	5.36	16.62	0	116	26	98	0.00	0.0	10.671	0.003	0	0	0	18
PL.61513	PD.9214-B	C	#1/0 ACSR	7.18Y	119.6	0.04	5.39	16.62	7	116	26	98	0.03	0.0	10.770	0.099	5	1	1	18
PL.49179	PL.61513	C	#1/0 ACSR	7.17Y	119.6	0.05	5.44	15.87	7	111	25	98	0.03	0.0	10.899	0.128	0	0	0	17
PL.49180	PL.49179	C	#1/0 ACSR	7.17Y	119.5	0.03	5.47	14.32	6	100	22	98	0.02	0.0	10.999	0.100	23	5	1	15
PL.61516	PL.49180	C	#2 ACSR	7.17Y	119.5	0.00	5.47	1.20	1	8	2	97	0.00	0.0	11.002	0.003	0	0	0	1
PD.9216	PL.61516	C	12T	7.17Y	119.5	0.00	5.47	1.20	0	8	2	97	0.00	0.0	11.002	0.003	0	0	0	1
PL.61517	PD.9216	C	#2 ACSR	7.17Y	119.5	0.00	5.47	1.20	1	8	2	97	0.00	0.0	11.098	0.096	8	2	1	1
PL.62328	PL.49180	C	#1/0 ACSR	7.17Y	119.5	0.04	5.50	9.79	4	69	15	98	0.02	0.0	11.171	0.172	0	0	1	13
PL.62329	PL.62328	C	#1/0 ACSR	7.17Y	119.5	0.01	5.52	9.78	4	68	15	98	0.01	0.0	11.234	0.063	0	0	0	12
PL.62331	PL.62329	C	6 A (CWC)	7.17Y	119.5	0.00	5.52	1.81	1	13	3	97	0.00	0.0	11.237	0.003	0	0	0	2
PD.9329	PL.62331	C	12T	7.17Y	119.5	0.00	5.52	1.81	0	13	3	97	0.00	0.0	11.237	0.003	0	0	0	2
PL.62332	PD.9329	C	6 A (CWC)	7.17Y	119.5	0.01	5.52	1.81	1	13	3	97	0.00	0.0	11.351	0.115	11	3	1	2
PL.62330	PL.62332	C	6 A (CWC)	7.17Y	119.5	0.00	5.52	0.18	0	1	0	100	0.00	0.0	11.397	0.046	1	0	1	1
PL.62327	PL.62329	C	#1/0 ACSR	7.17Y	119.4	0.04	5.56	7.97	3	56	12	98	0.02	0.0	11.457	0.223	0	0	0	10
PL.61518	PL.62327	C	6 A (CWC)	7.17Y	119.4	0.00	5.56	3.82	3	27	6	98	0.00	0.0	11.460	0.003	0	0	0	3
PD.9217	PL.61518	C	12T	7.17Y	119.4	0.00	5.56	3.82	0	27	6	98	0.00	0.0	11.460	0.003	0	0	0	3
PL.61519	PD.9217	C	6 A (CWC)	7.17Y	119.4	0.01	5.56	3.82	3	27	6	98	0.00	0.0	11.542	0.082	25	6	2	3
PL.49452	PL.61519	C	6 A (CWC)	7.17Y	119.4	0.00	5.57	0.23	0	2	0	100	0.00	0.0	11.664	0.122	0	0	0	1
PL.48244	PL.49452	C	6 A (CWC)	7.17Y	119.4	0.00	5.57	0.23	0	2	0	100	0.00	0.0	11.739	0.076	2	0	1	1
PL.61520	PL.62327	C	#1/0 ACSR	7.17Y	119.4	0.00	5.56	4.15	2	29	6	98	0.00	0.0	11.460	0.003	0	0	0	7
PD.9218-A	PL.61520	C	Closed	7.17Y	119.4	0.00	5.56	4.15	0	29	6	98	0.00	0.0	11.460	0.003	0	0	0	7
PD.9218-B	PD.9218-A	C	Closed	7.17Y	119.4	0.00	5.56	4.15	0	29	6	98	0.00	0.0	11.460	0.003	0	0	0	7
PL.61521	PD.9218-B	C	#1/0 ACSR	7.17Y	119.4	0.01	5.57	4.15	2	29	6	98	0.00	0.0	11.552	0.092	0	0	0	7
PL.49451	PL.61521	C	#1/0 ACSR	7.17Y	119.4	0.01	5.57	4.15	2	29	6	98	0.00	0.0	11.634	0.082	0	0	0	7
PL.49453	PL.49451	C	#1/0 ACSR	7.16Y	119.4	0.02	5.59	4.15	2	29	6	98	0.00	0.0	11.865	0.231	11	2	1	7
PL.47218	PL.49453	C	#4 ACSR	7.16Y	119.4	0.00	5.59	1.23	1	9	2	98	0.00	0.0	11.984	0.120	9	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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.49454	PL.49453	C	#1/0 ACSR	7.16Y	119.4	0.00	5.59	1.37	1	10	2	98	0.00	0.0	11.963	0.098	2	0	1	4
PL.61522	PL.49454	C	#4 ACSR	7.16Y	119.4	0.00	5.59	0.01	0	0	0	100	0.00	0.0	11.966	0.003	0	0	0	1
PD.9219	PL.61522	C	12T	7.16Y	119.4	0.00	5.59	0.01	0	0	0	100	0.00	0.0	11.966	0.003	0	0	0	1
PL.61523	PD.9219	C	#4 ACSR	7.16Y	119.4	0.00	5.59	0.01	0	0	0	100	0.00	0.0	12.034	0.068	0	0	1	1
PL.61524	PL.49454	C	#1/0 ACSR	7.16Y	119.4	0.00	5.59	1.11	0	8	2	97	0.00	0.0	11.966	0.003	0	0	0	2
PD.9220	PL.61524	C	12T	7.16Y	119.4	0.00	5.59	1.11	0	8	2	97	0.00	0.0	11.966	0.003	0	0	0	2
PL.61525	PD.9220	C	#1/0 ACSR	7.16Y	119.4	0.00	5.60	1.11	0	8	2	97	0.00	0.0	12.111	0.146	3	1	1	2
PL.58991	PL.61525	C	#1/0 ACSR	7.16Y	119.4	0.00	5.60	0.65	0	5	1	98	0.00	0.0	12.344	0.233	5	1	1	1
PL.58990	PL.61525	C	#4 ACSR	7.16Y	119.4	0.00	5.60	0.00	0	0	0	100	0.00	0.0	12.168	0.057	0	0	0	0
PL.61514	PL.49179	C	#2 ACSR	7.17Y	119.6	0.00	5.44	1.54	1	11	2	98	0.00	0.0	10.902	0.003	0	0	0	2
PD.9215	PL.61514	C	12T	7.17Y	119.6	0.00	5.44	1.54	0	11	2	98	0.00	0.0	10.902	0.003	0	0	0	2
PL.61515	PD.9215	C	#2 ACSR	7.17Y	119.6	0.00	5.44	1.54	1	11	2	98	0.00	0.0	11.004	0.102	11	2	2	2
PL.49176	PL.49175	C	6 A (CWC)	7.18Y	119.6	0.00	5.36	2.85	2	20	4	98	0.00	0.0	10.674	0.006	0	0	0	3
PD.7340	PL.49176	C	25T	7.18Y	119.6	0.00	5.36	2.85	0	20	4	98	0.00	0.0	10.674	0.006	0	0	0	3
PL.49177	PD.7340	C	6 A (CWC)	7.18Y	119.6	0.01	5.37	2.85	2	20	4	98	0.00	0.0	10.834	0.161	11	2	2	3
PL.49178	PL.49177	C	6 A (CWC)	7.18Y	119.6	0.00	5.37	1.27	1	9	2	98	0.00	0.0	10.972	0.138	9	2	1	1
PL.61510	PL.49173	C	6 A (CWC)	7.18Y	119.7	0.00	5.28	0.37	0	3	1	95	0.00	0.0	10.522	0.003	0	0	0	2
PD.9213	PL.61510	C	12T	7.18Y	119.7	0.00	5.28	0.37	0	3	1	95	0.00	0.0	10.522	0.003	0	0	0	2
PL.61511	PD.9213	C	6 A (CWC)	7.18Y	119.7	0.00	5.29	0.37	0	3	1	95	0.00	0.0	10.569	0.047	3	1	2	2
PL.61502	PL.49168	C	#4 ACSR	7.20Y	120.1	0.00	4.92	2.98	2	21	5	97	0.00	0.0	10.007	0.003	0	0	0	4
PD.9210	PL.61502	C	15T	7.20Y	120.1	0.00	4.92	2.98	0	21	5	97	0.00	0.0	10.007	0.003	0	0	0	4
PL.61503	PD.9210	C	#4 ACSR	7.20Y	120.1	0.01	4.93	2.98	2	21	5	97	0.00	0.0	10.065	0.058	11	2	2	4
PL.49170	PL.61503	C	#4 ACSR	7.20Y	120.1	0.00	4.93	1.41	1	10	2	98	0.00	0.0	10.113	0.048	10	2	2	2
PL.61496	PL.61495	C	6 A (CWC)	7.24Y	120.6	0.00	4.35	16.56	12	117	26	98	0.00	0.0	9.453	0.002	0	0	0	14
PD.9207	PL.61496	C	30T	7.24Y	120.6	0.00	4.35	16.56	0	117	26	98	0.00	0.0	9.453	0.002	0	0	0	14
PL.61497	PD.9207	C	6 A (CWC)	7.24Y	120.6	0.06	4.41	16.56	12	117	26	98	0.05	0.0	9.533	0.080	10	2	2	14
PL.49059	PL.61497	C	6 A (CWC)	7.23Y	120.5	0.05	4.46	15.16	11	107	24	98	0.04	0.0	9.608	0.075	0	0	0	12
PL.49060	PL.49059	C	6 A (CWC)	7.23Y	120.5	0.01	4.48	11.79	8	83	18	98	0.01	0.0	9.641	0.033	30	7	3	9
PL.57623	PL.49060	C	6 A (CWC)	7.23Y	120.5	0.01	4.49	7.49	5	53	12	98	0.00	0.0	9.686	0.045	16	4	2	6
PL.57624	PL.57623	C	6 A (CWC)	7.23Y	120.5	0.01	4.50	5.24	4	37	8	98	0.00	0.0	9.729	0.044	17	4	2	4
PL.49061	PL.57624	C	6 A (CWC)	7.23Y	120.5	0.00	4.50	2.77	2	20	4	98	0.00	0.0	9.807	0.078	20	4	2	2

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Balanced Voltage Drop Report  
Source: Brodhead

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.47762	PL.49059	C	#4 ACSR	7.23Y	120.5	0.00	4.46	3.37	3	24	5	98	0.00	0.0	9.641	0.032	24	5	3	3
PL.47781	PL.49222	ABC	#1/0 ACSR	7.24Y	120.7	0.00	4.26	0.16	0	3	2	83	0.00	0.0	9.493	0.130	3	2	1	1
PL.48443	PL.48444	ABC	#1/0 ACSR	7.25Y	120.9	0.02	4.14	22.57	10	479	108	98	0.07	0.0	8.951	0.054	2	0	1	86
PL.48445	PL.48443	ABC	#1/0 ACSR	7.25Y	120.8	0.03	4.18	22.47	10	477	108	98	0.11	0.0	9.036	0.085	0	0	0	85
PL.48446	PL.48445	ABC	#1/0 ACSR	7.24Y	120.7	0.10	4.28	22.01	10	467	105	98	0.34	0.1	9.297	0.261	0	0	0	84
PL.49072	PL.48446	ABC	#1/0 ACSR	7.24Y	120.7	0.07	4.34	22.01	10	467	105	98	0.22	0.0	9.471	0.174	0	0	0	84
PL.49100	PL.49072	ABC	#1/0 ACSR	7.24Y	120.6	0.02	4.36	21.57	9	457	103	98	0.06	0.0	9.518	0.047	0	0	0	82
PL.49102	PL.49100	C	#2 ACSR	7.24Y	120.6	0.00	4.36	1.56	1	11	2	98	0.00	0.0	9.524	0.006	0	0	0	1
PD.7350	PL.49102	C	50QA	7.24Y	120.6	0.00	4.36	1.56	3	11	2	98	0.00	0.0	9.524	0.006	0	0	0	1
PL.49162	PD.7350	C	#2 ACSR	7.24Y	120.6	0.00	4.36	1.56	1	11	2	98	0.00	0.0	9.544	0.020	11	2	1	1
PL.47558	PL.49100	A	#2 ACSR	7.24Y	120.6	0.00	4.36	1.18	1	8	2	97	0.00	0.0	9.630	0.113	8	2	1	1
PL.49101	PL.49100	ABC	#1/0 ACSR	7.24Y	120.6	0.04	4.41	20.65	9	438	98	98	0.14	0.0	9.639	0.121	0	0	0	80
PL.48450	PL.49101	ABC	#1/0 ACSR	7.24Y	120.6	0.00	4.41	20.65	9	437	98	98	0.00	0.0	9.640	0.001	3	1	1	80
PL.49069	PL.48450	ABC	#1/0 ACSR	7.23Y	120.5	0.06	4.47	20.51	9	434	97	98	0.20	0.0	9.817	0.177	0	0	0	79
PL.49070	PL.49069	ABC	#1/0 ACSR	7.23Y	120.5	0.03	4.50	20.10	9	426	95	98	0.09	0.0	9.903	0.086	0	0	0	78
PL.49071	PL.49070	ABC	#1/0 ACSR	7.23Y	120.4	0.07	4.57	18.90	8	400	90	98	0.20	0.1	10.114	0.211	0	0	0	76
PL.48395	PL.49071	ABC	#1/0 ACSR	7.22Y	120.4	0.04	4.61	17.35	8	367	82	98	0.10	0.0	10.239	0.125	0	0	0	73
PL.52680	PL.48395	ABC	#1/0 ACSR	7.22Y	120.4	0.01	4.62	17.35	8	367	82	98	0.04	0.0	10.284	0.045	0	0	0	73
PL.52681	PL.52680	A	6 A (CWC)	7.22Y	120.4	0.00	4.62	0.15	0	1	0	100	0.00	0.0	10.291	0.007	0	0	0	1
PD.7474	PL.52681	A	50QA	7.22Y	120.4	0.00	4.62	0.15	0	1	0	100	0.00	0.0	10.291	0.007	0	0	0	1
PL.48394	PD.7474	A	6 A (CWC)	7.22Y	120.4	0.00	4.62	0.15	0	1	0	100	0.00	0.0	10.341	0.050	1	0	1	1
PL.52682	PL.52680	ABC	#1/0 ACSR	7.22Y	120.4	0.03	4.65	15.22	7	322	72	98	0.06	0.0	10.389	0.105	23	5	2	61
PL.48607	PL.52682	A	#2 ACSR	7.22Y	120.4	0.00	4.65	0.00	0	0	0	100	0.00	0.0	10.397	0.007	0	0	0	0
PD.7353	PL.48607	A	50QA	7.22Y	120.4	0.00	4.65	0.00	0	0	0	100	0.00	0.0	10.397	0.007	0	0	0	0
PL.48608	PD.7353	A	#2 ACSR	7.22Y	120.4	0.00	4.65	0.00	0	0	0	100	0.00	0.0	10.418	0.022	0	0	0	0
PL.48606	PL.52682	ABC	#1/0 ACSR	7.22Y	120.3	0.01	4.66	14.13	6	299	67	98	0.01	0.0	10.416	0.026	0	0	0	59
PL.58996	PL.48606	ABC	#1/0 ACSR	7.22Y	120.3	0.01	4.67	14.13	6	299	67	98	0.02	0.0	10.460	0.044	12	3	2	59
PL.64600	PL.58996	ABC	#1/0 ACSR	7.22Y	120.3	0.01	4.68	13.57	6	287	64	98	0.03	0.0	10.514	0.054	0	0	0	57
PL.64601	PL.64600	ABC	#1/0 ACSR	7.22Y	120.3	0.00	4.68	13.57	6	287	64	98	0.00	0.0	10.514	0.000	11	3	1	57
PL.48926	PL.64601	C	#2 ACSR	7.22Y	120.3	0.00	4.68	0.00	0	0	0	100	0.00	0.0	10.520	0.007	0	0	0	0
PD.7354	PL.48926	C	50QA	7.22Y	120.3	0.00	4.68	0.00	0	0	0	100	0.00	0.0	10.520	0.007	0	0	0	0

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.57685	PD.7354	C	#2 ACSR	7.22Y	120.3	0.00	4.68	0.00	0	0	0	100	0.00	0.0	10.540	0.020	0	0	0	0
PL.48927	PL.64601	ABC	#1/0 ACSR	7.22Y	120.3	0.01	4.69	13.02	6	275	62	98	0.02	0.0	10.568	0.054	0	0	1	56
PL.48928	PL.48927	ABC	#1/0 ACSR	7.22Y	120.3	0.01	4.70	12.70	6	268	60	98	0.02	0.0	10.614	0.046	0	0	0	54
PL.47375	PL.48928	ABC	#1/0 ACSR	7.22Y	120.3	0.01	4.71	12.69	6	268	60	98	0.02	0.0	10.660	0.046	0	0	0	53
PL.47376	PL.47375	ABC	#1/0 ACSR	7.22Y	120.3	0.01	4.72	12.69	6	268	60	98	0.02	0.0	10.704	0.045	0	0	0	53
PL.47224	PL.47376	ABC	#1/0 ACSR	7.22Y	120.3	0.01	4.74	12.35	5	261	58	98	0.03	0.0	10.766	0.062	0	0	0	52
PL.48609	PL.47224	ABC	#1/0 ACSR	7.22Y	120.3	0.01	4.74	11.84	5	250	56	98	0.01	0.0	10.793	0.027	0	0	0	51
PL.48610	PL.48609	ABC	#1/0 ACSR	7.21Y	120.2	0.03	4.77	11.84	5	250	56	98	0.05	0.0	10.925	0.131	0	0	0	51
PL.48931	PL.48610	C	#2 ACSR	7.21Y	120.2	0.00	4.77	0.00	0	0	0	100	0.00	0.0	10.931	0.007	0	0	0	0
PD.7357	PL.48931	C	50QA	7.21Y	120.2	0.00	4.77	0.00	0	0	0	100	0.00	0.0	10.931	0.007	0	0	0	0
PL.48932	PD.7357	C	#2 ACSR	7.21Y	120.2	0.00	4.77	0.00	0	0	0	100	0.00	0.0	11.097	0.165	0	0	0	0
PL.48933	PL.48610	ABC	#1/0 ACSR	7.21Y	120.2	0.04	4.81	11.15	5	235	53	98	0.07	0.0	11.151	0.226	1	0	1	50
PL.61911	PL.48933	ABC	#1/0 ACSR	7.21Y	120.2	0.02	4.83	11.09	5	234	52	98	0.04	0.0	11.265	0.114	5	1	1	49
PL.61912	PL.61911	ABC	#1/0 ACSR	7.21Y	120.1	0.05	4.88	10.86	5	229	51	98	0.08	0.0	11.524	0.259	0	0	0	48
PL.61913	PL.61912	AB	#1/0 ACSR	7.21Y	120.1	0.02	4.90	11.48	5	162	36	98	0.02	0.0	11.596	0.072	0	0	0	33
PD.8852	PL.61913	AB	50L	7.21Y	120.1	0.00	4.90	11.48	23	162	36	98	0.00	0.0	11.596	0.072	0	0	0	33
PL.59752	PD.8852	AB	#1/0 ACSR	7.21Y	120.1	0.01	4.91	11.48	5	162	36	98	0.01	0.0	11.633	0.037	0	0	0	33
PL.59753	PL.59752	AB	#1/0 ACSR	7.20Y	120.1	0.02	4.92	11.48	5	162	36	98	0.02	0.0	11.699	0.066	0	0	0	33
PL.59755	PL.59753	A	#1/0 ACSR	7.20Y	120.1	0.00	4.92	0.00	0	0	0	100	0.00	0.0	11.702	0.003	0	0	0	0
PD.8853	PL.59755	A	12T	7.20Y	120.1	0.00	4.92	0.00	0	0	0	100	0.00	0.0	11.702	0.003	0	0	0	0
PL.59756	PD.8853	A	#1/0 ACSR	7.20Y	120.1	0.00	4.92	0.00	0	0	0	100	0.00	0.0	11.775	0.073	0	0	0	0
PL.59754	PL.59753	AB	#1/0 ACSR	7.20Y	120.1	0.01	4.94	11.48	5	162	36	98	0.01	0.0	11.750	0.052	0	0	0	33
PL.60055	PL.59754	AB	#1/0 ACSR	7.20Y	120.0	0.03	4.97	10.66	5	150	33	98	0.03	0.0	11.900	0.149	0	0	0	32
PL.60056	PL.60055	B	#2 ACSR	7.20Y	120.0	0.00	4.97	7.06	4	50	11	98	0.00	0.0	11.903	0.003	0	0	0	7
PD.8926	PL.60056	B	12T	7.20Y	120.0	0.00	4.97	7.06	0	50	11	98	0.00	0.0	11.903	0.003	0	0	0	7
PL.60175	PD.8926	B	#2 ACSR	7.20Y	120.0	0.01	4.98	7.06	4	50	11	98	0.00	0.0	11.980	0.077	12	3	1	7
PL.60152	PL.60175	B	#2 ACSR	7.20Y	120.0	0.01	4.99	5.35	3	38	8	98	0.00	0.0	12.030	0.050	2	0	2	6
PL.60153	PL.60152	B	#2 ACSR	7.20Y	120.0	0.02	5.01	5.11	3	36	8	98	0.00	0.0	12.172	0.142	16	4	2	4
PL.60154	PL.60153	B	#1/0 ACSR	7.20Y	120.0	0.00	5.01	2.85	1	20	4	98	0.00	0.0	12.226	0.053	20	4	2	2
PL.60195	PL.60055	A	6 A (CWC)	7.20Y	120.0	0.00	4.97	2.91	2	20	5	97	0.00	0.0	11.903	0.003	0	0	0	4
PD.8933	PL.60195	A	25T	7.20Y	120.0	0.00	4.97	2.91	0	20	5	97	0.00	0.0	11.903	0.003	0	0	0	4

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

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
-----																				
PL.60197	PD.8933	A	6 A (CWC)	7.20Y	120.0	0.04	5.00	2.91	2	20	5	97	0.01	0.0	12.221	0.318	5	1	1	4
PL.60196	PL.60197	A	6 A (CWC)	7.20Y	120.0	0.01	5.01	2.14	2	15	3	98	0.00	0.0	12.281	0.059	0	0	0	3
PL.60193	PL.60196	A	#2 ACSR	7.20Y	120.0	0.00	5.01	1.70	1	12	3	97	0.00	0.0	12.314	0.034	12	3	1	1
PL.60194	PL.60196	A	6 A (CWC)	7.20Y	120.0	0.00	5.01	0.44	0	3	1	95	0.00	0.0	12.338	0.057	0	0	0	2
PL.49145	PL.60194	A	6 A (CWC)	7.20Y	120.0	0.00	5.01	0.00	0	0	0	100	0.00	0.0	12.522	0.185	0	0	0	0
PL.46803	PL.60194	A	6 A (CWC)	7.20Y	120.0	0.00	5.01	0.44	0	3	1	95	0.00	0.0	12.435	0.097	3	1	2	2
PL.60057	PL.60055	AB	#1/0 ACSR	7.20Y	120.0	0.01	4.98	5.68	2	80	18	98	0.01	0.0	12.007	0.107	5	1	1	21
PL.60177	PL.60057	AB	#1/0 ACSR	7.20Y	120.0	0.01	4.99	5.32	2	75	17	98	0.00	0.0	12.094	0.087	0	0	0	20
PL.60179	PL.60177	AB	#1/0 ACSR	7.20Y	120.0	0.01	5.00	4.93	2	69	15	98	0.00	0.0	12.196	0.102	5	1	1	19
PL.60180	PL.60179	AB	#1/0 ACSR	7.20Y	120.0	0.01	5.01	4.59	2	65	14	98	0.00	0.0	12.305	0.109	0	0	1	18
PL.60181	PL.60180	AB	#1/0 ACSR	7.20Y	120.0	0.01	5.02	4.59	2	65	14	98	0.01	0.0	12.440	0.135	0	0	0	17
PL.60184	PL.60181	AB	#1/0 ACSR	7.20Y	120.0	0.01	5.03	4.59	2	65	14	98	0.01	0.0	12.567	0.127	0	0	0	17
PL.60185	PL.60184	B	#2 ACSR	7.20Y	120.0	0.00	5.03	1.00	1	7	2	96	0.00	0.0	12.570	0.003	0	0	0	1
PD.8928	PL.60185	B	20T	7.20Y	120.0	0.00	5.03	1.00	0	7	2	96	0.00	0.0	12.570	0.003	0	0	0	1
PL.60182	PD.8928	B	#2 ACSR	7.20Y	120.0	0.00	5.03	1.00	1	7	2	96	0.00	0.0	12.640	0.069	7	2	1	1
PL.60186	PL.60184	A	#4 ACSR	7.20Y	120.0	0.00	5.03	0.70	1	5	1	98	0.00	0.0	12.571	0.004	0	0	0	4
PD.8929	PL.60186	A	20T	7.20Y	120.0	0.00	5.03	0.70	0	5	1	98	0.00	0.0	12.571	0.004	0	0	0	4
PL.60183	PD.8929	A	#4 ACSR	7.20Y	120.0	0.00	5.04	0.70	1	5	1	98	0.00	0.0	12.685	0.114	0	0	0	4
PL.47662	PL.60183	A	#4 ACSR	7.20Y	120.0	0.00	5.04	0.21	0	1	0	100	0.00	0.0	12.763	0.079	1	0	1	1
PL.49456	PL.60183	A	#4 ACSR	7.20Y	120.0	0.00	5.04	0.49	0	3	1	95	0.00	0.0	12.703	0.018	2	0	1	3
PL.49457	PL.49456	A	#4 ACSR	7.20Y	120.0	0.00	5.04	0.22	0	2	0	100	0.00	0.0	12.809	0.106	1	0	1	2
PL.49455	PL.49457	A	#4 ACSR	7.20Y	120.0	0.00	5.04	0.07	0	1	0	100	0.00	0.0	12.853	0.044	1	0	1	1
PL.60187	PL.60184	AB	#1/0 ACSR	7.20Y	119.9	0.02	5.05	3.74	2	53	12	98	0.01	0.0	12.852	0.285	3	1	2	12
PL.60190	PL.60187	B	6 A (CWC)	7.20Y	119.9	0.00	5.05	5.15	4	36	8	98	0.00	0.0	12.855	0.003	0	0	0	9
PD.8931	PL.60190	B	40QA	7.20Y	119.9	0.00	5.05	5.15	13	36	8	98	0.00	0.0	12.855	0.003	0	0	0	9
PL.60191	PD.8931	B	6 A (CWC)	7.20Y	119.9	0.01	5.06	5.15	4	36	8	98	0.00	0.0	12.904	0.049	0	0	0	9
PD.8932	PL.60191	B	100CodeSMo	7.20Y	119.9	0.00	5.06	5.15	0	36	8	98	0.00	0.0	12.904	0.049	0	0	0	9
PL.60192	PD.8932	B	6 A (CWC)	7.19Y	119.8	0.10	5.17	5.15	4	36	8	98	0.03	0.1	13.344	0.440	0	0	0	9
PL.61936	PL.60192	B	6 A (CWC)	7.19Y	119.8	0.00	5.17	0.75	1	5	1	98	0.00	0.0	13.347	0.003	0	0	0	1
PD.9253	PL.61936	B	10T	7.19Y	119.8	0.00	5.17	0.75	0	5	1	98	0.00	0.0	13.347	0.003	0	0	0	1
PL.61937	PD.9253	B	6 A (CWC)	7.19Y	119.8	0.00	5.17	0.75	1	5	1	98	0.00	0.0	13.460	0.113	5	1	1	1

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Balanced Voltage Drop Report  
Source: Brodhead

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

-----																				
Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
-----																				
PL.49458	PL.60192	B	6 A (CWC)	7.19Y	119.8	0.02	5.19	4.41	3	31	7	98	0.00	0.0	13.439	0.095	2	1	1	8
PL.49459	PL.49458	B	6 A (CWC)	7.19Y	119.8	0.03	5.22	4.07	3	29	6	98	0.01	0.0	13.616	0.177	3	1	1	7
PL.49460	PL.49459	B	6 A (CWC)	7.19Y	119.8	0.01	5.23	3.66	3	26	6	97	0.00	0.0	13.687	0.072	0	0	1	6
PL.49461	PL.49460	B	6 A (CWC)	7.19Y	119.8	0.00	5.23	3.66	3	26	6	97	0.00	0.0	13.708	0.020	0	0	0	5
PL.49462	PL.49461	B	6 A (CWC)	7.19Y	119.8	0.00	5.23	0.01	0	0	0	100	0.00	0.0	13.897	0.189	0	0	1	1
PL.48161	PL.49461	B	#4 ACSR	7.18Y	119.7	0.04	5.27	3.65	3	26	6	97	0.01	0.0	13.964	0.256	0	0	0	4
PL.61941	PL.48161	B	#4 ACSR	7.18Y	119.7	0.00	5.27	3.65	3	26	6	97	0.00	0.0	13.966	0.003	0	0	0	4
PD.9254	PL.61941	B	15T	7.18Y	119.7	0.00	5.27	3.65	0	26	6	97	0.00	0.0	13.966	0.003	0	0	0	4
PL.61940	PD.9254	B	6 A (CWC)	7.18Y	119.7	0.05	5.33	3.65	3	26	6	97	0.01	0.0	14.307	0.340	2	0	1	4
PL.61939	PL.61940	B	6 A (CWC)	7.18Y	119.6	0.04	5.37	3.41	2	24	5	98	0.01	0.0	14.589	0.283	0	0	0	3
PL.49948	PL.61939	B	6 A (CWC)	7.18Y	119.6	0.01	5.38	3.41	2	24	5	98	0.00	0.0	14.674	0.085	0	0	0	3
PL.50282	PL.49948	B	#4 ACSR 7/	7.18Y	119.6	0.00	5.38	0.75	1	5	1	98	0.00	0.0	14.742	0.067	5	1	1	1
PL.55962	PL.49948	B	6 A (CWC)	7.18Y	119.6	0.00	5.39	2.66	2	19	4	98	0.00	0.0	14.705	0.031	13	3	1	2
PL.55961	PL.55962	B	6 A (CWC)	7.18Y	119.6	0.02	5.40	0.79	1	6	1	99	0.00	0.0	15.191	0.486	0	0	0	1
PL.49949	PL.55961	B	6 A (CWC)	7.17Y	119.6	0.02	5.42	0.79	1	6	1	99	0.00	0.0	15.625	0.434	0	0	0	1
PL.49950	PL.49949	B	6 A (CWC)	7.17Y	119.6	0.00	5.42	0.79	1	6	1	99	0.00	0.0	15.652	0.027	0	0	0	1
PL.50141	PL.49950	B	6 A (CWC)	7.17Y	119.6	0.00	5.42	0.79	1	6	1	99	0.00	0.0	15.804	0.151	6	1	1	1
PL.49807	PL.50141	B	#4 ACSR 7/	7.17Y	119.6	0.00	5.42	0.00	0	0	0	100	0.00	0.0	16.061	0.257	0	0	0	0
PL.61943	PL.49950	B	6 A (CWC)	7.17Y	119.6	0.00	5.42	0.00	0	0	0	100	0.00	0.0	15.926	0.273	0	0	0	0
PL.60188	PL.60187	B	6 A (CWC)	7.20Y	119.9	0.00	5.05	1.93	1	14	3	98	0.00	0.0	12.855	0.003	0	0	0	1
PD.8930	PL.60188	B	15T	7.20Y	119.9	0.00	5.05	1.93	0	14	3	98	0.00	0.0	12.855	0.003	0	0	0	1
PL.60189	PD.8930	B	6 A (CWC)	7.20Y	119.9	0.00	5.06	1.93	1	14	3	98	0.00	0.0	12.930	0.075	14	3	1	1
PL.60178	PL.60177	B	#2 ACSR	7.20Y	120.0	0.00	4.99	0.79	0	6	1	99	0.00	0.0	12.097	0.003	0	0	0	1
PD.8927	PL.60178	B	10T	7.20Y	120.0	0.00	4.99	0.79	0	6	1	99	0.00	0.0	12.097	0.003	0	0	0	1
PL.60176	PD.8927	B	#2 ACSR	7.20Y	120.0	0.00	4.99	0.79	0	6	1	99	0.00	0.0	12.158	0.061	6	1	1	1
PL.59757	PL.59754	B	#2 ACSR	7.20Y	120.1	0.00	4.94	1.64	1	12	3	97	0.00	0.0	11.754	0.003	0	0	0	1
PD.8854	PL.59757	B	40QA	7.20Y	120.1	0.00	4.94	1.64	4	12	3	97	0.00	0.0	11.754	0.003	0	0	0	1
PL.60054	PD.8854	B	#2 ACSR	7.20Y	120.1	0.00	4.94	1.64	1	12	3	97	0.00	0.0	11.786	0.033	12	3	1	1
PL.61914	PL.61912	C	6 A (CWC)	7.21Y	120.1	0.00	4.88	9.61	7	68	15	98	0.00	0.0	11.527	0.003	0	0	0	15
PD.9242	PL.61914	C	35L	7.21Y	120.1	0.00	4.88	9.61	27	68	15	98	0.00	0.0	11.527	0.003	0	0	0	15
PL.61915	PD.9242	C	6 A (CWC)	7.20Y	120.0	0.13	5.01	9.61	7	68	15	98	0.06	0.1	11.861	0.334	13	3	1	15

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

-----																				
Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
-----																				
PL.61910	PL.61915	C	6 A (CWC)	7.19Y	119.8	0.19	5.21	7.70	5	54	12	98	0.08	0.1	12.420	0.559	0	0	0	14
PL.47225	PL.61910	C	6 A (CWC)	7.18Y	119.7	0.08	5.28	7.23	5	51	11	98	0.03	0.1	12.654	0.234	0	0	0	12
PL.61922	PL.47225	C	6 A (CWC)	7.18Y	119.7	0.00	5.28	3.39	2	24	5	98	0.00	0.0	12.657	0.003	0	0	0	5
PD.9246	PL.61922	C	20T	7.18Y	119.7	0.00	5.28	3.39	0	24	5	98	0.00	0.0	12.657	0.003	0	0	0	5
PL.61923	PD.9246	C	6 A (CWC)	7.18Y	119.7	0.03	5.32	3.39	2	24	5	98	0.01	0.0	12.876	0.220	0	0	0	5
PL.59015	PL.61923	C	6 A (CWC)	7.18Y	119.7	0.02	5.34	3.12	2	22	5	98	0.00	0.0	13.003	0.127	0	0	1	4
PL.59016	PL.59015	C	6 A (CWC)	7.18Y	119.7	0.01	5.35	3.12	2	22	5	98	0.00	0.0	13.081	0.078	0	0	0	3
PL.49421	PL.59016	C	6 A (CWC)	7.18Y	119.7	0.00	5.35	0.00	0	0	0	100	0.00	0.0	13.198	0.117	0	0	0	0
PL.47323	PL.49421	C	6 A (CWC)	7.18Y	119.7	0.00	5.35	0.00	0	0	0	100	0.00	0.0	13.297	0.099	0	0	0	0
PL.52262	PL.49421	C	6 A (CWC)	7.18Y	119.7	0.00	5.35	0.00	0	0	0	100	0.00	0.0	13.298	0.099	0	0	0	0
PL.52263	PL.52262	C	6 A (CWC)	7.18Y	119.7	0.00	5.35	0.00	0	0	0	100	0.00	0.0	13.949	0.652	0	0	0	0
PD.7966-A	PL.52263	C	Open	7.18Y	119.7	0.00	5.35	0.00	0	0	0	100	0.00	0.0	13.949	0.652	0	0	0	0
PL.52261	PL.52262	C	6 A (CWC)	7.18Y	119.7	0.00	5.35	0.00	0	0	0	100	0.00	0.0	13.735	0.437	0	0	0	0
PL.61926	PL.59016	C	6 A (CWC)	7.18Y	119.7	0.00	5.35	3.12	2	22	5	98	0.00	0.0	13.084	0.003	0	0	0	3
PD.9248	PL.61926	C	12T	7.18Y	119.7	0.00	5.35	3.12	0	22	5	98	0.00	0.0	13.084	0.003	0	0	0	3
PL.61927	PD.9248	C	6 A (CWC)	7.18Y	119.6	0.01	5.36	3.12	2	22	5	98	0.00	0.0	13.166	0.082	8	2	1	3
PL.49420	PL.61927	C	6 A (CWC)	7.18Y	119.6	0.00	5.36	2.05	1	14	3	98	0.00	0.0	13.208	0.042	14	3	2	2
PL.61924	PL.61923	C	6 A (CWC)	7.18Y	119.7	0.00	5.32	0.27	0	2	0	100	0.00	0.0	12.879	0.003	0	0	0	1
PD.9247	PL.61924	C	10T	7.18Y	119.7	0.00	5.32	0.27	0	2	0	100	0.00	0.0	12.879	0.003	0	0	0	1
PL.61925	PD.9247	C	6 A (CWC)	7.18Y	119.7	0.00	5.32	0.27	0	2	0	100	0.00	0.0	12.924	0.045	2	0	1	1
PL.61920	PL.47225	C	6 A (CWC)	7.18Y	119.7	0.00	5.28	3.83	3	27	6	98	0.00	0.0	12.657	0.003	0	0	0	7
PD.9245	PL.61920	C	20T	7.18Y	119.7	0.00	5.28	3.83	0	27	6	98	0.00	0.0	12.657	0.003	0	0	0	7
PL.61921	PD.9245	C	6 A (CWC)	7.18Y	119.7	0.06	5.34	3.83	3	27	6	98	0.01	0.0	12.979	0.322	0	0	0	7
PL.47405	PL.61921	C	6 A (CWC)	7.18Y	119.6	0.01	5.35	2.96	2	21	5	97	0.00	0.0	13.066	0.087	0	0	0	5
PL.46807	PL.47405	C	6 A (CWC)	7.18Y	119.6	0.00	5.35	0.00	0	0	0	100	0.00	0.0	13.126	0.060	0	0	1	1
PL.47514	PL.47405	C	6 A (CWC)	7.18Y	119.6	0.01	5.36	2.95	2	21	5	97	0.00	0.0	13.146	0.080	1	0	1	4
PL.47625	PL.47514	C	6 A (CWC)	7.18Y	119.6	0.01	5.37	2.77	2	19	4	98	0.00	0.0	13.245	0.099	0	0	0	3
PL.61932	PL.47625	C	6 A (CWC)	7.18Y	119.6	0.00	5.37	0.00	0	0	0	100	0.00	0.0	13.248	0.003	0	0	0	0
PD.9251	PL.61932	C	12T	7.18Y	119.6	0.00	5.37	0.00	0	0	0	100	0.00	0.0	13.248	0.003	0	0	0	0
PL.61933	PD.9251	C	#1/0 ACSR	7.18Y	119.6	0.00	5.37	0.00	0	0	0	100	0.00	0.0	13.484	0.237	0	0	0	0
PL.47626	PL.61933	C	#1/0 ACSR	7.18Y	119.6	0.00	5.37	0.00	0	0	0	100	0.00	0.0	13.567	0.083	0	0	0	0

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.61934	PL.47625	C	6 A (CWC)	7.18Y	119.6	0.00	5.38	2.77	2	19	4	98	0.00	0.0	13.248	0.003	0	0	0	3
PD.9252	PL.61934	C	12T	7.18Y	119.6	0.00	5.38	2.77	0	19	4	98	0.00	0.0	13.248	0.003	0	0	0	3
PL.61935	PD.9252	C	6 A (CWC)	7.18Y	119.6	0.01	5.38	2.77	2	19	4	98	0.00	0.0	13.356	0.108	11	2	1	3
PL.58997	PL.61935	C	6 A (CWC)	7.18Y	119.6	0.00	5.39	1.17	1	8	2	97	0.00	0.0	13.417	0.062	0	0	1	2
PL.58998	PL.58997	C	#4 ACSR	7.18Y	119.6	0.00	5.39	1.15	1	8	2	97	0.00	0.0	13.462	0.045	8	2	1	1
PL.56852	PL.61935	C	#4 ACSR	7.18Y	119.6	0.00	5.38	0.00	0	0	0	100	0.00	0.0	13.412	0.056	0	0	0	0
PL.61930	PL.47405	C	#4 ACSR	7.18Y	119.6	0.00	5.35	0.00	0	0	0	100	0.00	0.0	13.069	0.003	0	0	0	0
PD.9250	PL.61930	C	12T	7.18Y	119.6	0.00	5.35	0.00	0	0	0	100	0.00	0.0	13.069	0.003	0	0	0	0
PL.61931	PD.9250	C	#4 ACSR	7.18Y	119.6	0.00	5.35	0.00	0	0	0	100	0.00	0.0	13.133	0.063	0	0	0	0
PL.61928	PL.61921	C	6 A (CWC)	7.18Y	119.7	0.00	5.34	0.88	1	6	1	99	0.00	0.0	12.982	0.003	0	0	0	2
PD.9249	PL.61928	C	12T	7.18Y	119.7	0.00	5.34	0.88	0	6	1	99	0.00	0.0	12.982	0.003	0	0	0	2
PL.61929	PD.9249	C	6 A (CWC)	7.18Y	119.7	0.00	5.34	0.88	1	6	1	99	0.00	0.0	13.061	0.079	3	1	1	2
PL.49422	PL.61929	C	6 A (CWC)	7.18Y	119.7	0.00	5.34	0.47	0	3	1	95	0.00	0.0	13.193	0.132	3	1	1	1
PL.61916	PL.61910	C	#1/0 ACSR	7.19Y	119.8	0.00	5.21	0.00	0	0	0	100	0.00	0.0	12.423	0.003	0	0	0	0
PD.9243	PL.61916	C	15T	7.19Y	119.8	0.00	5.21	0.00	0	0	0	100	0.00	0.0	12.423	0.003	0	0	0	0
PL.61917	PD.9243	C	#1/0 ACSR	7.19Y	119.8	0.00	5.21	0.00	0	0	0	100	0.00	0.0	12.458	0.035	0	0	0	0
PL.61918	PL.61910	C	6 A (CWC)	7.19Y	119.8	0.00	5.21	0.47	0	3	1	95	0.00	0.0	12.423	0.003	0	0	0	2
PD.9244	PL.61918	C	15T	7.19Y	119.8	0.00	5.21	0.47	0	3	1	95	0.00	0.0	12.423	0.003	0	0	0	2
PL.61919	PD.9244	C	6 A (CWC)	7.19Y	119.8	0.00	5.21	0.47	0	3	1	95	0.00	0.0	12.478	0.055	3	1	2	2
PL.48160	PL.48610	C	#2 ACSR	7.21Y	120.2	0.00	4.77	2.07	1	15	3	98	0.00	0.0	10.992	0.067	15	3	1	1
PL.48611	PL.47224	A	#2 ACSR	7.22Y	120.3	0.00	4.74	1.54	1	11	2	98	0.00	0.0	10.773	0.007	0	0	0	1
PD.7568	PL.48611	A	50QA	7.22Y	120.3	0.00	4.74	1.54	3	11	2	98	0.00	0.0	10.773	0.007	0	0	0	1
PL.48612	PD.7568	A	#2 ACSR	7.22Y	120.3	0.00	4.74	1.54	1	11	2	98	0.00	0.0	10.867	0.095	11	2	1	1
PL.47222	PL.47376	C	#2 ACSR	7.22Y	120.3	0.00	4.72	1.03	1	7	2	96	0.00	0.0	10.711	0.007	0	0	0	1
PD.7356	PL.47222	C	50QA	7.22Y	120.3	0.00	4.72	1.03	2	7	2	96	0.00	0.0	10.711	0.007	0	0	0	1
PL.47223	PD.7356	C	#2 ACSR	7.22Y	120.3	0.00	4.72	1.03	1	7	2	96	0.00	0.0	10.728	0.017	7	2	1	1
PL.48929	PL.48928	A	#2 ACSR	7.22Y	120.3	0.00	4.70	0.02	0	0	0	100	0.00	0.0	10.621	0.007	0	0	0	1
PD.7355	PL.48929	A	50QA	7.22Y	120.3	0.00	4.70	0.02	0	0	0	100	0.00	0.0	10.621	0.007	0	0	0	1
PL.48930	PD.7355	A	#2 ACSR	7.22Y	120.3	0.00	4.70	0.02	0	0	0	100	0.00	0.0	10.734	0.113	0	0	1	1
PL.47716	PL.48927	B	#2 ACSR	7.22Y	120.3	0.00	4.69	0.97	1	7	2	96	0.00	0.0	10.599	0.031	7	2	1	1
PL.51555	PL.52680	A	6 A (CWC)	7.22Y	120.4	0.00	4.62	6.25	4	44	10	98	0.00	0.0	10.289	0.005	0	0	0	11

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: Brodhead

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.7975	PL.51555	A	100CodeSMo	7.22Y	120.4	0.00	4.62	6.25	0	44	10	98	0.00	0.0	10.289	0.005	0	0	0	11
PL.59002	PD.7975	A	6 A (CWC)	7.22Y	120.3	0.03	4.65	6.25	4	44	10	98	0.01	0.0	10.392	0.103	3	1	1	11
PL.59001	PL.59002	A	6 A (CWC)	7.22Y	120.3	0.06	4.71	5.82	4	41	9	98	0.02	0.0	10.626	0.234	0	0	0	10
PL.47621	PL.59001	A	#4 ACSR	7.22Y	120.3	0.00	4.71	0.00	0	0	0	100	0.00	0.0	10.725	0.099	0	0	0	0
PL.48393	PL.59001	A	6 A (CWC)	7.22Y	120.3	0.03	4.74	5.82	4	41	9	98	0.01	0.0	10.739	0.113	0	0	0	10
PL.61528	PL.48393	A	6 A (CWC)	7.22Y	120.3	0.00	4.74	0.79	1	6	1	99	0.00	0.0	10.743	0.003	0	0	0	1
PD.9222	PL.61528	A	12T	7.22Y	120.3	0.00	4.74	0.79	0	6	1	99	0.00	0.0	10.743	0.003	0	0	0	1
PL.61529	PD.9222	A	6 A (CWC)	7.22Y	120.3	0.00	4.74	0.79	1	6	1	99	0.00	0.0	10.835	0.092	6	1	1	1
PL.61530	PL.48393	A	6 A (CWC)	7.22Y	120.3	0.00	4.74	0.03	0	0	0	100	0.00	0.0	10.743	0.003	0	0	0	1
PD.9223	PL.61530	A	12T	7.22Y	120.3	0.00	4.74	0.03	0	0	0	100	0.00	0.0	10.743	0.003	0	0	0	1
PL.61531	PD.9223	A	6 A (CWC)	7.22Y	120.3	0.00	4.74	0.03	0	0	0	100	0.00	0.0	10.830	0.088	0	0	1	1
PL.47447	PL.48393	A	6 A (CWC)	7.21Y	120.2	0.03	4.77	5.00	4	35	8	97	0.01	0.0	10.854	0.115	0	0	0	8
PL.61532	PL.47447	A	6 A (CWC)	7.21Y	120.2	0.00	4.77	0.17	0	1	0	100	0.00	0.0	10.857	0.003	0	0	0	1
PD.9224	PL.61532	A	12T	7.21Y	120.2	0.00	4.77	0.17	0	1	0	100	0.00	0.0	10.857	0.003	0	0	0	1
PL.61533	PD.9224	A	6 A (CWC)	7.21Y	120.2	0.00	4.77	0.17	0	1	0	100	0.00	0.0	10.937	0.079	1	0	1	1
PL.47528	PL.47447	A	6 A (CWC)	7.21Y	120.2	0.00	4.77	0.00	0	0	0	100	0.00	0.0	11.006	0.152	0	0	0	0
PL.61535	PL.47447	A	6 A (CWC)	7.21Y	120.2	0.00	4.77	4.84	3	34	8	97	0.00	0.0	10.857	0.003	0	0	0	7
PD.9225	PL.61535	A	12T	7.21Y	120.2	0.00	4.77	4.84	0	34	8	97	0.00	0.0	10.857	0.003	0	0	0	7
PL.61534	PD.9225	A	6 A (CWC)	7.21Y	120.2	0.06	4.82	4.84	3	34	8	97	0.01	0.0	11.138	0.281	7	1	1	7
PL.48392	PL.61534	A	6 A (CWC)	7.21Y	120.2	0.02	4.84	3.89	3	27	6	98	0.00	0.0	11.236	0.098	0	0	1	6
PL.48391	PL.48392	A	6 A (CWC)	7.21Y	120.1	0.02	4.86	3.89	3	27	6	98	0.00	0.0	11.369	0.133	3	1	1	5
PL.48390	PL.48391	A	6 A (CWC)	7.21Y	120.1	0.03	4.90	3.43	2	24	5	98	0.01	0.0	11.588	0.219	0	0	0	4
PL.48385	PL.48390	A	6 A (CWC)	7.21Y	120.1	0.00	4.90	0.01	0	0	0	100	0.00	0.0	11.720	0.132	0	0	0	1
PL.47747	PL.48385	A	6 A (CWC)	7.21Y	120.1	0.00	4.90	0.01	0	0	0	100	0.00	0.0	11.762	0.042	0	0	1	1
PL.61536	PL.48385	A	6 A (CWC)	7.21Y	120.1	0.00	4.90	0.00	0	0	0	100	0.00	0.0	11.723	0.003	0	0	0	0
PD.9226	PL.61536	A	12T	7.21Y	120.1	0.00	4.90	0.00	0	0	0	100	0.00	0.0	11.723	0.003	0	0	0	0
PL.61893	PD.9226	A	6 A (CWC)	7.21Y	120.1	0.00	4.90	0.00	0	0	0	100	0.00	0.0	11.830	0.107	0	0	0	0
PD.9235-A	PL.61893	A	Closed	7.21Y	120.1	0.00	4.90	0.00	0	0	0	100	0.00	0.0	11.830	0.107	0	0	0	0
PD.9235-B	PD.9235-A	A	Closed	7.21Y	120.1	0.00	4.90	0.00	0	0	0	100	0.00	0.0	11.830	0.107	0	0	0	0
PL.61892	PD.9235-B	A	6 A (CWC)	7.21Y	120.1	0.00	4.90	0.00	0	0	0	100	0.00	0.0	12.492	0.662	0	0	0	0
PD.9234-B	PL.61892	A	Open	7.21Y	120.1	0.00	4.90	0.00	0	0	0	100	0.00	0.0	12.492	0.662	0	0	0	0

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Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky  
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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----			
																KW	KVAR	Cons On	Cons Thru	
PL.48386	PL.48390	A	6 A (CWC)	7.21Y	120.1	0.01	4.91	3.42	2	24	5	98	0.00	0.0	11.666	0.078	0	0	0	3
PL.47906	PL.48386	A	6 A (CWC)	7.21Y	120.1	0.00	4.91	0.54	0	4	1	97	0.00	0.0	11.697	0.031	4	1	1	1
PL.48387	PL.48386	A	6 A (CWC)	7.21Y	120.1	0.00	4.91	2.88	2	20	5	97	0.00	0.0	11.694	0.028	9	2	1	2
PL.48388	PL.48387	A	6 A (CWC)	7.20Y	120.1	0.01	4.92	1.60	1	11	2	98	0.00	0.0	11.861	0.167	11	2	1	1
PL.48389	PL.48388	A	6 A (CWC)	7.20Y	120.1	0.00	4.92	0.00	0	0	0	100	0.00	0.0	11.909	0.048	0	0	0	0
PL.48603	PL.49071	C	#2 ACSR	7.23Y	120.4	0.00	4.57	3.02	2	21	5	97	0.00	0.0	10.140	0.026	12	3	1	2
PL.48604	PL.48603	C	#2 ACSR	7.23Y	120.4	0.00	4.57	1.35	1	10	2	98	0.00	0.0	10.170	0.031	0	0	0	1
PL.48605	PL.48604	C	#2 ACSR	7.23Y	120.4	0.00	4.57	1.35	1	10	2	98	0.00	0.0	10.240	0.070	10	2	1	1
PL.48913	PL.49071	A	#2 ACSR	7.23Y	120.4	0.00	4.57	1.62	1	11	3	96	0.00	0.0	10.117	0.003	0	0	0	1
PD.7473	PL.48913	A	50QA	7.23Y	120.4	0.00	4.57	1.62	3	11	3	96	0.00	0.0	10.117	0.003	0	0	0	1
PL.48602	PD.7473	A	#2 ACSR	7.23Y	120.4	0.00	4.57	1.62	1	11	3	96	0.00	0.0	10.229	0.112	11	3	1	1
PL.49166	PL.49070	C	#4 ACSR	7.23Y	120.5	0.00	4.50	3.59	3	25	6	97	0.00	0.0	9.909	0.006	0	0	0	2
PD.7352	PL.49166	C	12T	7.23Y	120.5	0.00	4.50	3.59	0	25	6	97	0.00	0.0	9.909	0.006	0	0	0	2
PL.56467	PD.7352	C	#4 ACSR	7.23Y	120.5	0.00	4.51	3.59	3	25	6	97	0.00	0.0	9.953	0.044	15	3	1	2
PL.56468	PL.56467	C	#4 ACSR	7.23Y	120.5	0.00	4.51	1.48	1	10	2	98	0.00	0.0	9.974	0.021	0	0	0	1
PL.56469	PL.56468	C	#4 ACSR	7.23Y	120.5	0.00	4.51	1.48	1	10	2	98	0.00	0.0	10.045	0.072	10	2	1	1
PL.49163	PL.49069	C	#4 ACSR	7.23Y	120.5	0.00	4.47	1.23	1	9	2	98	0.00	0.0	9.822	0.005	0	0	0	1
PD.7351	PL.49163	C	50QA	7.23Y	120.5	0.00	4.47	1.23	2	9	2	98	0.00	0.0	9.822	0.005	0	0	0	1
PL.49164	PD.7351	C	#4 ACSR	7.23Y	120.5	0.00	4.47	1.23	1	9	2	98	0.00	0.0	9.863	0.041	9	2	1	1
PL.49165	PL.49164	C	#4 ACSR	7.23Y	120.5	0.00	4.47	0.00	0	0	0	100	0.00	0.0	10.058	0.195	0	0	0	0
PL.61526	PL.48450	A	#1/0 ACSR	7.24Y	120.6	0.00	4.41	0.00	0	0	0	100	0.00	0.0	9.643	0.003	0	0	0	0
PD.9221	PL.61526	A	12T	7.24Y	120.6	0.00	4.41	0.00	0	0	0	100	0.00	0.0	9.643	0.003	0	0	0	0
PL.61527	PD.9221	A	#1/0 ACSR	7.24Y	120.6	0.00	4.41	0.00	0	0	0	100	0.00	0.0	9.678	0.035	0	0	0	0
PL.49075	PL.49072	A	#4 ACSR	7.24Y	120.7	0.00	4.34	1.32	1	9	2	98	0.00	0.0	9.477	0.006	0	0	0	2
PD.7567	PL.49075	A	50QA	7.24Y	120.7	0.00	4.34	1.32	3	9	2	98	0.00	0.0	9.477	0.006	0	0	0	2
PL.49076	PD.7567	A	#4 ACSR	7.24Y	120.6	0.01	4.35	1.32	1	9	2	98	0.00	0.0	9.684	0.207	9	2	1	2
PL.49073	PL.49076	A	#4 ACSR	7.24Y	120.6	0.00	4.35	0.09	0	1	0	100	0.00	0.0	9.754	0.070	1	0	1	1
PL.49074	PL.49073	A	#4 ACSR	7.24Y	120.6	0.00	4.35	0.00	0	0	0	100	0.00	0.0	9.995	0.241	0	0	0	0
PL.48447	PL.48445	C	6 A (CWC)	7.25Y	120.8	0.00	4.18	1.38	1	10	2	98	0.00	0.0	9.037	0.001	0	0	0	1
PD.7327	PL.48447	C	50QA	7.25Y	120.8	0.00	4.18	1.38	3	10	2	98	0.00	0.0	9.037	0.001	0	0	0	1
PL.48448	PD.7327	C	6 A (CWC)	7.25Y	120.8	0.00	4.18	1.38	1	10	2	98	0.00	0.0	9.037	0.000	0	0	0	1

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.48449	PL.48448	C	6 A (CWC)	7.25Y	120.8	0.00	4.18	1.38	1	10	2	98	0.00	0.0	9.114	0.076	10	2	1	1
CP.92	PL.52786	ABC	Cap (300)	7.26Y	120.9	0.00	4.06	0.00	0	0	0	100	0.00	0.0	8.756	0.076	0	0	0	0
PL.61878	PL.61541	A	#1/0 ACSR	7.27Y	121.2	0.00	3.82	0.00	0	0	0	100	0.00	0.0	8.259	0.003	0	0	0	0
PD.9229	PL.61878	A	15T	7.27Y	121.2	0.00	3.82	0.00	0	0	0	100	0.00	0.0	8.259	0.003	0	0	0	0
PL.61879	PD.9229	A	#1/0 ACSR	7.27Y	121.2	0.00	3.82	0.00	0	0	0	100	0.00	0.0	8.275	0.016	0	0	0	0
PL.47527	PL.47761	C	#4 ACSR	7.27Y	121.2	0.01	3.80	5.73	4	41	9	98	0.00	0.0	8.216	0.028	0	0	0	6
PL.61537	PL.47527	C	#4 ACSR	7.27Y	121.2	0.00	3.80	0.00	0	0	0	100	0.00	0.0	8.219	0.003	0	0	0	0
PD.9227	PL.61537	C	12T	7.27Y	121.2	0.00	3.80	0.00	0	0	0	100	0.00	0.0	8.219	0.003	0	0	0	0
PL.61538	PD.9227	C	#4 ACSR	7.27Y	121.2	0.00	3.80	0.00	0	0	0	100	0.00	0.0	8.294	0.075	0	0	0	0
PL.48378	PL.47527	C	#4 ACSR	7.27Y	121.2	0.00	3.80	5.73	4	41	9	98	0.00	0.0	8.217	0.001	0	0	0	6
PD.7607	PL.48378	C	50L	7.27Y	121.2	0.00	3.80	5.73	11	41	9	98	0.00	0.0	8.217	0.001	0	0	0	6
PL.61539	PD.7607	C	#4 ACSR	7.27Y	121.2	0.03	3.82	5.73	4	41	9	98	0.01	0.0	8.320	0.103	0	0	0	6
PD.9228-A	PL.61539	C	Closed	7.27Y	121.2	0.00	3.82	5.73	0	41	9	98	0.00	0.0	8.320	0.103	0	0	0	6
PD.9228-B	PD.9228-A	C	Closed	7.27Y	121.2	0.00	3.82	5.73	0	41	9	98	0.00	0.0	8.320	0.103	0	0	0	6
PL.61540	PD.9228-B	C	#4 ACSR	7.27Y	121.1	0.07	3.90	5.73	4	41	9	98	0.02	0.1	8.608	0.287	0	0	0	6
PL.48383	PL.61540	C	6 A (CWC)	7.27Y	121.1	0.00	3.90	0.00	0	0	0	100	0.00	0.0	8.609	0.001	0	0	0	0
PL.52671	PL.61540	C	6 A (CWC)	7.26Y	121.1	0.03	3.92	5.73	4	41	9	98	0.01	0.0	8.720	0.112	0	0	0	6
PL.61883	PL.52671	C	6 A (CWC)	7.26Y	121.1	0.00	3.92	2.28	2	16	4	97	0.00	0.0	8.723	0.003	0	0	0	2
PD.9230-A	PL.61883	C	Closed	7.26Y	121.1	0.00	3.92	2.28	0	16	4	97	0.00	0.0	8.723	0.003	0	0	0	2
PD.9230-B	PD.9230-A	C	Closed	7.26Y	121.1	0.00	3.92	2.28	0	16	4	97	0.00	0.0	8.723	0.003	0	0	0	2
PL.61884	PD.9230-B	C	6 A (CWC)	7.26Y	121.1	0.01	3.93	2.28	2	16	4	97	0.00	0.0	8.826	0.104	4	1	1	2
PL.48382	PL.61884	C	6 A (CWC)	7.26Y	121.1	0.00	3.94	1.72	1	12	3	97	0.00	0.0	8.855	0.028	0	0	0	1
PL.48384	PL.48382	C	6 A (CWC)	7.26Y	121.0	0.01	3.95	1.72	1	12	3	97	0.00	0.0	9.037	0.183	0	0	0	1
PL.61887	PL.48384	C	6 A (CWC)	7.26Y	121.0	0.00	3.95	1.72	1	12	3	97	0.00	0.0	9.040	0.003	0	0	0	1
PD.9232	PL.61887	C	15T	7.26Y	121.0	0.00	3.95	1.72	0	12	3	97	0.00	0.0	9.040	0.003	0	0	0	1
PL.61888	PD.9232	C	6 A (CWC)	7.26Y	121.0	0.00	3.95	1.72	1	12	3	97	0.00	0.0	9.092	0.052	12	3	1	1
PL.61889	PL.48384	C	6 A (CWC)	7.26Y	121.0	0.00	3.95	0.00	0	0	0	100	0.00	0.0	9.040	0.003	0	0	0	0
PD.9233	PL.61889	C	15T	7.26Y	121.0	0.00	3.95	0.00	0	0	0	100	0.00	0.0	9.040	0.003	0	0	0	0
PL.61890	PD.9233	C	6 A (CWC)	7.26Y	121.0	0.00	3.95	0.00	0	0	0	100	0.00	0.0	9.127	0.087	0	0	0	0
PL.61891	PL.48384	C	6 A (CWC)	7.26Y	121.0	0.00	3.95	0.00	0	0	0	100	0.00	0.0	9.040	0.003	0	0	0	0
PD.9234-A	PL.61891	C	Open	7.26Y	121.0	0.00	3.95	0.00	0	0	0	100	0.00	0.0	9.040	0.003	0	0	0	0

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.52672	PL.52671	C	6 A (CWC)	7.26Y	121.1	0.01	3.93	3.45	2	24	5	98	0.00	0.0	8.795	0.076	9	2	1	4
PL.61885	PL.52672	C	6 A (CWC)	7.26Y	121.1	0.00	3.94	2.23	2	16	4	97	0.00	0.0	8.833	0.038	0	0	0	3
PD.9231	PL.61885	C	15T	7.26Y	121.1	0.00	3.94	2.23	0	16	4	97	0.00	0.0	8.833	0.038	0	0	0	3
PL.61886	PD.9231	C	6 A (CWC)	7.26Y	121.1	0.00	3.94	2.23	2	16	4	97	0.00	0.0	8.890	0.057	16	3	2	3
PL.49423	PL.61886	C	6 A (CWC)	7.26Y	121.1	0.00	3.94	0.03	0	0	0	100	0.00	0.0	8.955	0.065	0	0	1	1
PL.62985	PL.57398	B	1/0 AL URD	7.28Y	121.3	0.00	3.68	1.66	1	12	2	99	0.00	0.0	8.025	0.056	12	3	1	1
PL.47905	PL.47896	B	336 MCM AC	7.29Y	121.4	0.02	3.56	53.96	10	384	86	98	0.04	0.0	7.735	0.039	0	0	0	63
PL.47897	PL.47905	B	336 MCM AC	7.29Y	121.4	0.00	3.56	53.96	10	384	86	98	0.00	0.0	7.736	0.001	0	0	0	63
PD.7180	PL.47897	B	100L	7.29Y	121.4	0.00	3.56	53.96	54	384	86	98	0.00	0.0	7.736	0.001	0	0	0	63
PL.47898	PD.7180	B	336 MCM AC	7.29Y	121.4	0.02	3.58	53.96	10	384	86	98	0.04	0.0	7.768	0.033	4	1	1	63
PL.61362	PL.47898	B	#4 ACSR	7.29Y	121.4	0.00	3.58	15.04	12	107	24	98	0.00	0.0	7.769	0.001	0	0	0	14
PD.9185	PL.61362	B	30T	7.29Y	121.4	0.00	3.58	15.04	0	107	24	98	0.00	0.0	7.769	0.001	0	0	0	14
PL.61360	PD.9185	B	#2 ACSR	7.28Y	121.4	0.01	3.59	13.47	8	96	21	98	0.01	0.0	7.795	0.026	12	3	2	13
PL.61361	PL.61360	B	#2 ACSR	7.28Y	121.4	0.00	3.60	11.82	7	84	19	98	0.00	0.0	7.808	0.013	0	0	0	11
PL.46928	PL.61361	B	#2 ACSR	7.28Y	121.4	0.00	3.60	0.00	0	0	0	100	0.00	0.0	7.842	0.034	0	0	0	0
PL.49103	PL.61361	B	#2 ACSR	7.28Y	121.4	0.01	3.61	11.82	7	84	19	98	0.01	0.0	7.851	0.043	18	4	2	11
PL.49104	PL.49103	B	#2 ACSR	7.28Y	121.4	0.01	3.62	9.33	5	66	15	98	0.00	0.0	7.902	0.051	42	9	4	9
PL.47270	PL.49104	B	#2 ACSR	7.28Y	121.4	0.00	3.62	1.11	1	8	2	97	0.00	0.0	7.952	0.050	8	2	2	2
PL.48907	PL.49104	B	#2 ACSR	7.28Y	121.4	0.00	3.62	2.31	1	16	4	97	0.00	0.0	7.943	0.041	11	2	2	3
PL.48908	PL.48907	B	#2 ACSR	7.28Y	121.4	0.00	3.62	0.74	0	5	1	98	0.00	0.0	7.995	0.052	5	1	1	1
PL.61363	PD.9185	B	#4 ACSR	7.29Y	121.4	0.00	3.58	1.57	1	11	2	98	0.00	0.0	7.798	0.029	11	2	1	1
PL.47282	PL.47898	B	#2 ACSR	7.28Y	121.3	0.12	3.70	38.42	22	273	61	98	0.23	0.1	7.869	0.100	14	3	3	48
PL.47135	PL.47282	B	#2 ACSR	7.28Y	121.3	0.04	3.73	36.47	21	259	58	98	0.07	0.0	7.901	0.032	0	0	0	45
PL.49424	PL.47135	B	#2 ACSR	7.27Y	121.2	0.06	3.79	28.09	16	199	45	98	0.08	0.0	7.971	0.070	12	3	2	36
PL.49425	PL.49424	B	#2 ACSR	7.26Y	121.1	0.14	3.93	26.44	15	188	42	98	0.19	0.1	8.142	0.171	0	0	0	34
PL.49426	PL.49425	B	#2 ACSR	7.26Y	121.0	0.07	4.00	25.53	15	181	41	98	0.09	0.0	8.228	0.086	0	0	0	33
PL.61774	PL.49426	B	6 A (CWC)	7.23Y	120.6	0.44	4.44	24.56	18	174	39	98	0.59	0.3	8.630	0.402	0	0	0	30
PD.9189-A	PL.61774	B	Closed	7.23Y	120.6	0.00	4.44	24.56	0	173	39	98	0.00	0.0	8.630	0.402	0	0	0	30
PD.9189-B	PD.9189-A	B	Closed	7.23Y	120.6	0.00	4.44	24.56	0	173	39	98	0.00	0.0	8.630	0.402	0	0	0	30
PL.61775	PD.9189-B	B	6 A (CWC)	7.23Y	120.5	0.08	4.53	24.56	18	173	39	98	0.11	0.1	8.706	0.076	10	2	1	30
PL.49431	PL.61775	B	#2 ACSR	7.23Y	120.4	0.05	4.58	19.82	11	140	31	98	0.05	0.0	8.789	0.084	0	0	0	25

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

Balanced Voltage Drop Report  
Source: Brodhead

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.61778	PL.49431	B	#2 ACSR	7.23Y	120.4	0.00	4.58	4.87	3	34	8	97	0.00	0.0	8.793	0.003	0	0	0	6
PD.9191	PL.61778	B	25T	7.23Y	120.4	0.00	4.58	4.87	0	34	8	97	0.00	0.0	8.793	0.003	0	0	0	6
PL.61779	PD.9191	B	#2 ACSR	7.22Y	120.4	0.02	4.59	4.87	3	34	8	97	0.00	0.0	8.928	0.135	11	2	2	6
PL.57730	PL.61779	B	#2 ACSR	7.22Y	120.4	0.01	4.60	3.36	2	24	5	98	0.00	0.0	8.992	0.064	5	1	2	4
PL.49212	PL.57730	B	#2 ACSR	7.22Y	120.4	0.01	4.61	2.63	2	19	4	98	0.00	0.0	9.094	0.102	0	0	0	2
PL.49213	PL.49212	B	#2 ACSR	7.22Y	120.4	0.01	4.62	2.63	2	19	4	98	0.00	0.0	9.300	0.206	11	2	1	2
PL.49214	PL.49213	B	#2 ACSR	7.22Y	120.4	0.00	4.62	1.11	1	8	2	97	0.00	0.0	9.332	0.032	8	2	1	1
PL.49432	PL.49431	B	#2 ACSR	7.22Y	120.4	0.03	4.60	14.95	9	105	24	97	0.02	0.0	8.849	0.059	9	2	1	19
PL.49433	PL.49432	B	#2 ACSR	7.22Y	120.4	0.01	4.62	13.69	8	97	22	98	0.01	0.0	8.884	0.035	0	0	0	18
PL.61780	PL.49433	B	#2 ACSR	7.22Y	120.4	0.00	4.62	1.81	1	13	3	97	0.00	0.0	8.887	0.003	0	0	0	2
PD.9192	PL.61780	B	15T	7.22Y	120.4	0.00	4.62	1.81	0	13	3	97	0.00	0.0	8.887	0.003	0	0	0	2
PL.61781	PD.9192	B	#2 ACSR	7.22Y	120.4	0.00	4.62	1.81	1	13	3	97	0.00	0.0	8.965	0.078	1	0	1	2
PL.49211	PL.61781	B	#2 ACSR	7.22Y	120.4	0.00	4.62	1.64	1	12	3	97	0.00	0.0	9.022	0.057	12	3	1	1
PL.61782	PL.49433	B	#2 ACSR	7.22Y	120.4	0.02	4.64	11.88	7	84	19	98	0.01	0.0	8.943	0.059	0	0	0	16
PL.61783	PL.61782	B	#1/0 ACSR	7.22Y	120.4	0.00	4.64	0.00	0	0	0	100	0.00	0.0	8.946	0.003	0	0	0	0
PD.9193	PL.61783	B	15T	7.22Y	120.4	0.00	4.64	0.00	0	0	0	100	0.00	0.0	8.946	0.003	0	0	0	0
PL.61847	PD.9193	B	#1/0 ACSR	7.22Y	120.4	0.00	4.64	0.00	0	0	0	100	0.00	0.0	9.017	0.071	0	0	0	0
PL.61848	PL.61782	B	#2 ACSR	7.22Y	120.3	0.01	4.65	11.88	7	84	19	98	0.01	0.0	8.978	0.035	0	0	0	16
PL.61849	PL.61848	B	#2 ACSR	7.22Y	120.3	0.01	4.67	11.88	7	84	19	98	0.01	0.0	9.020	0.042	7	2	1	16
PL.61850	PL.61849	B	#2 ACSR	7.22Y	120.3	0.00	4.67	10.83	6	76	17	98	0.00	0.0	9.024	0.003	0	0	0	15
PD.9194-A	PL.61850	B	Closed	7.22Y	120.3	0.00	4.67	10.83	0	76	17	98	0.00	0.0	9.024	0.003	0	0	0	15
PD.9194-B	PD.9194-A	B	Closed	7.22Y	120.3	0.00	4.67	10.83	0	76	17	98	0.00	0.0	9.024	0.003	0	0	0	15
PL.61851	PD.9194-B	B	#2 ACSR	7.22Y	120.3	0.05	4.72	10.83	6	76	17	98	0.03	0.0	9.188	0.164	0	0	0	15
PL.49209	PL.61851	B	#2 ACSR	7.22Y	120.3	0.03	4.75	10.83	6	76	17	98	0.02	0.0	9.270	0.082	0	0	0	15
PL.49210	PL.49209	B	#2 ACSR	7.21Y	120.2	0.03	4.78	10.83	6	76	17	98	0.02	0.0	9.354	0.085	2	0	1	15
PL.49215	PL.49210	B	#2 ACSR	7.21Y	120.2	0.05	4.83	10.60	6	75	17	98	0.03	0.0	9.505	0.151	0	0	0	14
PL.47379	PL.49215	B	6 A (CWC)	7.21Y	120.2	0.00	4.83	1.30	1	9	2	98	0.00	0.0	9.564	0.059	9	2	1	1
PL.49216	PL.49215	B	#2 ACSR	7.21Y	120.2	0.02	4.85	9.30	5	65	15	97	0.01	0.0	9.594	0.089	15	3	2	13
PL.46946	PL.49216	B	6 A (CWC)	7.21Y	120.2	0.00	4.85	0.11	0	1	0	100	0.00	0.0	9.666	0.072	1	0	1	1
PL.49217	PL.49216	B	#2 ACSR	7.21Y	120.1	0.02	4.87	7.04	4	50	11	98	0.01	0.0	9.673	0.079	0	0	0	10
PL.49218	PL.49217	B	#2 ACSR	7.21Y	120.1	0.04	4.91	7.04	4	50	11	98	0.01	0.0	9.888	0.215	8	2	1	10

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Balanced Voltage Drop Report  
Source: Brodhead

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----			
																KW	KVAR	Cons On	Cons Thru	
PL.47380	PL.49218	B	6 A (CWC)	7.21Y	120.1	0.00	4.91	0.67	0	5	1	98	0.00	0.0	9.973	0.085	5	1	1	1
PL.48405	PL.49218	B	#2 ACSR	7.20Y	120.1	0.02	4.93	5.22	3	37	8	98	0.01	0.0	10.018	0.130	4	1	1	8
PL.48406	PL.48405	B	#2 ACSR	7.20Y	120.1	0.00	4.93	0.00	0	0	0	100	0.00	0.0	10.095	0.077	0	0	0	0
PL.48407	PL.48406	B	#2 ACSR	7.20Y	120.1	0.00	4.93	0.00	0	0	0	100	0.00	0.0	10.190	0.095	0	0	0	0
PL.48408	PL.48405	B	6 A (CWC)	7.20Y	120.1	0.01	4.94	4.62	3	33	7	98	0.00	0.0	10.081	0.063	31	7	6	7
PL.49010	PL.48408	B	6 A (CWC)	7.20Y	120.1	0.00	4.94	0.15	0	1	0	100	0.00	0.0	10.120	0.039	1	0	1	1
PL.47156	PL.49209	B	#2 ACSR	7.22Y	120.3	0.00	4.75	0.00	0	0	0	100	0.00	0.0	9.367	0.097	0	0	0	0
PL.62698	PL.61848	B	#1/0 ACSR	7.22Y	120.3	0.00	4.65	0.00	0	0	0	100	0.00	0.0	8.978	0.000	0	0	0	0
PD.9403	PL.62698	B	15T	7.22Y	120.3	0.00	4.65	0.00	0	0	0	100	0.00	0.0	8.978	0.000	0	0	0	0
PL.62699	PD.9403	B	#1/0 ACSR	7.22Y	120.3	0.00	4.65	0.00	0	0	0	100	0.00	0.0	9.009	0.031	0	0	0	0
PL.62700	PD.9403	B	#1/0 ACSR	7.22Y	120.3	0.00	4.65	0.00	0	0	0	100	0.00	0.0	9.005	0.027	0	0	0	0
PL.61776	PL.61775	B	#2 ACSR	7.23Y	120.5	0.00	4.53	3.30	2	23	5	98	0.00	0.0	8.709	0.003	0	0	0	4
PD.9190	PL.61776	B	25T	7.23Y	120.5	0.00	4.53	3.30	0	23	5	98	0.00	0.0	8.709	0.003	0	0	0	4
PL.61777	PD.9190	B	#2 ACSR	7.23Y	120.5	0.02	4.54	3.30	2	23	5	98	0.00	0.0	8.900	0.191	0	0	0	4
PL.49430	PL.61777	B	#2 ACSR	7.23Y	120.5	0.00	4.55	1.45	1	10	2	98	0.00	0.0	9.077	0.177	10	2	1	1
PL.48117	PL.61777	B	#2 ACSR	7.23Y	120.4	0.01	4.55	1.85	1	13	3	97	0.00	0.0	9.036	0.136	2	0	2	3
PL.63451	PL.48117	B	#1/0 ACSR	7.23Y	120.4	0.00	4.55	1.58	1	11	2	98	0.00	0.0	9.049	0.013	0	0	0	1
PL.63452	PL.63451	B	#1/0 ACSR	7.23Y	120.4	0.00	4.55	1.58	1	11	2	98	0.00	0.0	9.052	0.003	0	0	0	1
PD.9472	PL.63452	B	25T	7.23Y	120.4	0.00	4.55	1.58	0	11	2	98	0.00	0.0	9.052	0.003	0	0	0	1
PL.63453	PD.9472	B	#1/0 ACSR	7.23Y	120.4	0.00	4.55	1.58	1	11	2	98	0.00	0.0	9.114	0.062	0	0	0	1
PL.63454	PL.63453	B	#1/0 ACSR	7.23Y	120.4	0.00	4.56	1.58	1	11	2	98	0.00	0.0	9.176	0.062	11	2	1	1
PL.61368	PL.49426	B	#2 ACSR	7.26Y	121.0	0.00	4.00	0.97	1	7	2	96	0.00	0.0	8.231	0.003	0	0	0	3
PD.9188	PL.61368	B	30T	7.26Y	121.0	0.00	4.00	0.97	0	7	2	96	0.00	0.0	8.231	0.003	0	0	0	3
PL.61369	PD.9188	B	#2 ACSR	7.26Y	121.0	0.00	4.00	0.97	1	7	2	96	0.00	0.0	8.402	0.171	2	0	1	3
PL.49427	PL.61369	B	#2 ACSR	7.26Y	121.0	0.00	4.00	0.75	0	5	1	98	0.00	0.0	8.442	0.040	2	0	1	2
PL.48116	PL.49427	B	#2 ACSR	7.26Y	121.0	0.00	4.00	0.00	0	0	0	100	0.00	0.0	8.492	0.050	0	0	0	0
PL.46885	PL.49427	B	#2 ACSR	7.26Y	121.0	0.00	4.00	0.00	0	0	0	100	0.00	0.0	8.540	0.098	0	0	0	0
PL.49428	PL.49427	B	#2 ACSR	7.26Y	121.0	0.00	4.01	0.49	0	3	1	95	0.00	0.0	8.545	0.103	3	1	1	1
PL.49429	PL.49428	B	#2 ACSR	7.26Y	121.0	0.00	4.01	0.00	0	0	0	100	0.00	0.0	8.643	0.098	0	0	0	0
PL.61366	PL.49425	B	#2 ACSR	7.26Y	121.1	0.00	3.93	0.91	1	6	1	99	0.00	0.0	8.146	0.003	0	0	0	1
PD.9187	PL.61366	B	30T	7.26Y	121.1	0.00	3.93	0.91	0	6	1	99	0.00	0.0	8.146	0.003	0	0	0	1

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

Balanced Voltage Drop Report  
Source: Brodhead

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.61367	PD.9187	B	#2 ACSR	7.26Y	121.1	0.00	3.93	0.91	1	6	1	99	0.00	0.0	8.229	0.084	6	1	1	1
PL.61364	PL.47135	B	#2 ACSR	7.28Y	121.3	0.00	3.73	8.38	5	60	13	98	0.00	0.0	7.904	0.003	0	0	0	9
PD.9186	PL.61364	B	15T	7.28Y	121.3	0.00	3.73	8.38	0	60	13	98	0.00	0.0	7.904	0.003	0	0	0	9
PL.61365	PD.9186	B	#2 ACSR	7.28Y	121.3	0.01	3.74	8.38	5	60	13	98	0.00	0.0	7.957	0.053	49	11	8	9
PL.59003	PL.61365	B	#2 ACSR	7.28Y	121.3	0.00	3.74	1.41	1	10	2	98	0.00	0.0	8.014	0.057	10	2	1	1
PL.49411	PL.47272	ABC	#3/0 ACSR	7.29Y	121.5	0.00	3.51	3.28	1	70	16	97	0.00	0.0	7.687	0.043	7	2	1	10
PL.49412	PL.49411	ABC	#3/0 ACSR	7.29Y	121.5	0.00	3.51	2.94	1	63	14	98	0.00	0.0	7.761	0.074	0	0	0	9
PL.47559	PL.49412	ABC	6 A (CWC)	7.29Y	121.5	0.00	3.52	0.72	1	15	3	98	0.00	0.0	7.854	0.094	15	3	2	2
PL.49415	PL.49412	B	6 A (CWC)	7.29Y	121.5	0.00	3.51	6.65	5	47	11	97	0.00	0.0	7.762	0.001	0	0	0	7
PD.7577	PL.49415	B	60QA	7.29Y	121.5	0.00	3.51	6.65	11	47	11	97	0.00	0.0	7.762	0.001	0	0	0	7
PL.47442	PD.7577	B	6 A (CWC)	7.28Y	121.4	0.07	3.58	6.65	5	47	11	97	0.02	0.1	7.993	0.232	0	0	0	7
PL.48163	PL.47442	B	6 A (CWC)	7.28Y	121.4	0.00	3.59	1.17	1	8	2	97	0.00	0.0	8.132	0.138	8	2	1	1
PL.47443	PL.47442	B	6 A (CWC)	7.28Y	121.4	0.01	3.59	1.18	1	8	2	97	0.00	0.0	8.122	0.129	2	0	1	2
PL.47444	PL.47443	B	6 A (CWC)	7.28Y	121.4	0.00	3.59	0.89	1	6	1	99	0.00	0.0	8.202	0.079	6	1	1	1
PL.49219	PL.47442	B	6 A (CWC)	7.28Y	121.4	0.04	3.63	4.29	3	31	7	98	0.01	0.0	8.223	0.230	0	0	0	4
PL.61719	PL.49219	B	6 A (CWC)	7.28Y	121.4	0.00	3.63	0.52	0	4	1	97	0.00	0.0	8.226	0.003	0	0	0	1
PD.9166	PL.61719	B	10T	7.28Y	121.4	0.00	3.63	0.52	0	4	1	97	0.00	0.0	8.226	0.003	0	0	0	1
PL.61720	PD.9166	B	6 A (CWC)	7.28Y	121.4	0.00	3.63	0.52	0	4	1	97	0.00	0.0	8.306	0.080	4	1	1	1
PL.49011	PL.49219	B	6 A (CWC)	7.28Y	121.3	0.02	3.65	3.77	3	27	6	98	0.00	0.0	8.362	0.139	0	0	0	3
PL.47316	PL.49011	B	#4 ACSR	7.28Y	121.3	0.00	3.65	1.67	1	12	3	97	0.00	0.0	8.445	0.082	12	3	1	1
PL.49012	PL.49011	B	6 A (CWC)	7.28Y	121.3	0.00	3.65	2.10	2	15	3	98	0.00	0.0	8.410	0.048	12	3	1	2
PL.49013	PL.49012	B	6 A (CWC)	7.28Y	121.3	0.00	3.66	0.46	0	3	1	95	0.00	0.0	8.483	0.072	3	1	1	1
PL.64658	PL.47272	B	#2 ACSR	7.29Y	121.5	0.00	3.51	5.92	3	42	9	98	0.00	0.0	7.670	0.026	42	9	2	2
PL.47894	PL.49410	B	#2 ACSR	7.30Y	121.7	0.00	3.33	0.00	0	0	0	100	0.00	0.0	7.497	0.001	0	0	0	0
PD.7544	PL.47894	B	60QA	7.30Y	121.7	0.00	3.33	0.00	0	0	0	100	0.00	0.0	7.497	0.001	0	0	0	0
PL.59004	PD.7544	B	#2 ACSR	7.30Y	121.7	0.00	3.33	0.00	0	0	0	100	0.00	0.0	7.529	0.032	0	0	0	0
PL.61709	PL.59055	A	#2 ACSR	7.31Y	121.9	0.00	3.09	0.00	0	0	0	100	0.00	0.0	7.298	0.003	0	0	0	0
PD.9161	PL.61709	A	15T	7.31Y	121.9	0.00	3.09	0.00	0	0	0	100	0.00	0.0	7.298	0.003	0	0	0	0
PL.61710	PD.9161	A	#2 ACSR	7.31Y	121.9	0.00	3.09	0.00	0	0	0	100	0.00	0.0	7.332	0.035	0	0	0	0
PL.59056	PL.59054	A	6 A (CWC)	7.32Y	122.0	0.03	3.04	12.97	9	93	21	98	0.02	0.0	7.280	0.055	0	0	0	17
PD.8668	PL.59056	A	40T	7.32Y	122.0	0.00	3.04	12.97	0	93	21	98	0.00	0.0	7.280	0.055	0	0	0	17

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

Balanced Voltage Drop Report  
Source: Brodhead

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.59040	PD.8668	A	6 A (CWC)	7.32Y	121.9	0.01	3.05	12.97	9	93	21	98	0.01	0.0	7.303	0.023	20	4	3	17
PL.61711	PL.59040	A	6 A (CWC)	7.32Y	121.9	0.00	3.05	5.96	4	43	9	98	0.00	0.0	7.306	0.003	0	0	0	5
PD.9162	PL.61711	A	15T	7.32Y	121.9	0.00	3.05	5.96	0	43	9	98	0.00	0.0	7.306	0.003	0	0	0	5
PL.61712	PD.9162	A	6 A (CWC)	7.32Y	121.9	0.01	3.06	5.96	4	43	9	98	0.00	0.0	7.364	0.059	23	5	2	5
PL.58768	PL.61712	A	6 A (CWC)	7.32Y	121.9	0.00	3.07	2.71	2	19	4	98	0.00	0.0	7.422	0.058	19	4	3	3
PL.60143	PL.59040	A	6 A (CWC)	7.32Y	121.9	0.02	3.07	4.19	3	30	7	97	0.00	0.0	7.403	0.100	0	0	0	9
PL.61713	PL.60143	A	6 A (CWC)	7.32Y	121.9	0.00	3.07	0.38	0	3	1	95	0.00	0.0	7.406	0.003	0	0	0	2
PD.9163	PL.61713	A	12T	7.32Y	121.9	0.00	3.07	0.38	0	3	1	95	0.00	0.0	7.406	0.003	0	0	0	2
PL.61714	PD.9163	A	6 A (CWC)	7.32Y	121.9	0.00	3.07	0.38	0	3	1	95	0.00	0.0	7.506	0.100	0	0	1	2
PL.60144	PL.61714	A	6 A (CWC)	7.32Y	121.9	0.00	3.07	0.34	0	2	1	89	0.00	0.0	7.646	0.139	2	1	1	1
PL.60142	PL.60143	A	6 A (CWC)	7.31Y	121.9	0.03	3.10	3.80	3	27	6	98	0.01	0.0	7.599	0.196	0	0	0	7
PL.49407	PL.60142	A	6 A (CWC)	7.31Y	121.9	0.01	3.11	2.56	2	18	4	98	0.00	0.0	7.686	0.087	6	1	2	4
PL.61717	PL.49407	A	6 A (CWC)	7.31Y	121.9	0.00	3.11	1.72	1	12	3	97	0.00	0.0	7.689	0.003	0	0	0	2
PD.9165	PL.61717	A	12T	7.31Y	121.9	0.00	3.11	1.72	0	12	3	97	0.00	0.0	7.689	0.003	0	0	0	2
PL.61718	PD.9165	A	6 A (CWC)	7.31Y	121.9	0.01	3.12	1.72	1	12	3	97	0.00	0.0	7.832	0.143	10	2	1	2
PL.49406	PL.61718	A	6 A (CWC)	7.31Y	121.9	0.00	3.12	0.39	0	3	1	95	0.00	0.0	7.903	0.071	0	0	0	1
PL.49405	PL.49406	A	6 A (CWC)	7.31Y	121.9	0.00	3.12	0.39	0	3	1	95	0.00	0.0	8.046	0.143	3	1	1	1
PL.61715	PL.60142	A	6 A (CWC)	7.31Y	121.9	0.00	3.10	1.24	1	9	2	98	0.00	0.0	7.603	0.003	0	0	0	3
PD.9164	PL.61715	A	12T	7.31Y	121.9	0.00	3.10	1.24	0	9	2	98	0.00	0.0	7.603	0.003	0	0	0	3
PL.61716	PD.9164	A	6 A (CWC)	7.31Y	121.9	0.01	3.11	1.24	1	9	2	98	0.00	0.0	7.705	0.102	0	0	0	3
PL.49408	PL.61716	A	6 A (CWC)	7.31Y	121.9	0.01	3.12	1.16	1	8	2	97	0.00	0.0	8.054	0.350	8	2	2	2
PL.47742	PL.61716	A	#4 ACSR	7.31Y	121.9	0.00	3.11	0.08	0	1	0	100	0.00	0.0	7.762	0.058	1	0	1	1
PL.57396	PL.49396	A	6 A (CWC)	7.40Y	123.4	0.00	1.60	0.00	0	0	0	100	0.00	0.0	6.185	0.007	0	0	0	0
PD.9153-A	PL.57396	A	Open	7.40Y	123.4	0.00	1.60	0.00	0	0	0	100	0.00	0.0	6.185	0.007	0	0	0	0
PL.47451	PL.49394	C	#4 ACSR	7.42Y	123.7	0.01	1.34	4.64	4	34	7	98	0.00	0.0	6.046	0.058	34	7	1	1
CP.68	PL.49181	ABC	Cap (300)	7.45Y	124.2	0.00	0.76	0.00	0	0	0	100	0.00	0.0	5.582	0.058	0	0	0	0
PL.58537	PL.49153	C	#4 ACSR	7.47Y	124.4	0.00	0.58	7.23	6	53	12	98	0.00	0.0	5.456	0.002	0	0	0	4
PD.8711	PL.58537	C	30T	7.47Y	124.4	0.00	0.58	7.23	0	53	12	98	0.00	0.0	5.456	0.002	0	0	0	4
PL.58538	PD.8711	C	#4 ACSR	7.46Y	124.4	0.02	0.60	7.23	6	53	12	98	0.01	0.0	5.524	0.068	8	2	1	4
PL.49154	PL.58538	C	#4 ACSR	7.46Y	124.4	0.01	0.61	6.10	5	44	10	98	0.00	0.0	5.571	0.047	15	3	2	3
PL.49155	PL.49154	C	#4 ACSR	7.46Y	124.4	0.01	0.62	4.02	3	29	6	98	0.00	0.0	5.628	0.057	29	6	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

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
-----																				
PL.47325	PL.49152	A	#4 ACSR	7.47Y	124.5	0.00	0.48	0.46	0	3	1	95	0.00	0.0	5.453	0.071	3	1	1	1
PL.58216	PL.58219	A	#2 ACSR	7.18Y	119.7	0.00	5.33	1.09	1	8	2	97	0.00	0.0	4.947	0.004	0	0	0	3
PD.8744	PL.58216	A	70QA	7.18Y	119.7	0.00	5.33	1.09	0	8	2	97	0.00	0.0	4.947	0.004	0	0	0	3
PL.58213	PD.8744	A	#2 ACSR	7.18Y	119.7	0.00	5.33	1.09	1	8	2	97	0.00	0.0	4.964	0.018	8	2	3	3
PL.58206	PL.58205	B	#1/0 ACSR	7.20Y	120.0	0.00	4.99	0.55	0	4	1	97	0.00	0.0	4.585	0.002	0	0	0	1
PL.58865	PL.58206	B	#1/0 ACSR	7.20Y	120.0	0.00	4.99	0.55	0	4	1	97	0.00	0.0	4.588	0.003	0	0	0	1
PD.8741	PL.58865	B	12T	7.20Y	120.0	0.00	4.99	0.55	0	4	1	97	0.00	0.0	4.588	0.003	0	0	0	1
PL.58864	PD.8741	B	#1/0 ACSR	7.20Y	120.0	0.00	4.99	0.55	0	4	1	97	0.00	0.0	4.625	0.037	4	1	1	1
PL.58867	PL.58866	A	#4 ACSR	7.20Y	120.1	0.00	4.93	1.19	1	8	2	97	0.00	0.0	4.522	0.007	0	0	0	2
PD.8475	PL.58867	A	12T	7.20Y	120.1	0.00	4.93	1.19	0	8	2	97	0.00	0.0	4.522	0.007	0	0	0	2
PL.58851	PD.8475	A	#4 ACSR	7.20Y	120.1	0.00	4.93	1.19	1	8	2	97	0.00	0.0	4.552	0.030	1	0	1	2
PL.58850	PL.58851	A	#4 ACSR	7.20Y	120.1	0.00	4.93	1.05	1	7	2	96	0.00	0.0	4.589	0.037	7	2	1	1
PL.58868	PL.58866	A	#4 ACSR	7.20Y	120.1	0.00	4.93	1.75	1	12	3	97	0.00	0.0	4.517	0.002	0	0	0	1
PD.8476	PL.58868	A	12T	7.20Y	120.1	0.00	4.93	1.75	0	12	3	97	0.00	0.0	4.517	0.002	0	0	0	1
PL.58849	PD.8476	A	#4 ACSR	7.20Y	120.1	0.00	4.93	1.75	1	12	3	97	0.00	0.0	4.533	0.016	12	3	1	1
PL.58846	PL.58863	A	6 A (CWC)	7.21Y	120.2	0.00	4.76	0.28	0	2	0	100	0.00	0.0	4.350	0.007	0	0	0	1
PD.8657	PL.58846	A	15T	7.21Y	120.2	0.00	4.76	0.28	0	2	0	100	0.00	0.0	4.350	0.007	0	0	0	1
PL.58847	PD.8657	A	6 A (CWC)	7.21Y	120.2	0.00	4.76	0.28	0	2	0	100	0.00	0.0	4.403	0.053	2	0	1	1
PL.58672	PL.58673	C	6 A (CWC)	7.26Y	121.1	0.00	3.93	16.62	12	118	26	98	0.00	0.0	3.506	0.001	0	0	0	18
PD.8635	PL.58672	C	50L	7.26Y	121.1	0.00	3.93	16.62	33	118	26	98	0.00	0.0	3.506	0.001	0	0	0	18
PL.58665	PD.8635	C	#1/0 ACSR	7.26Y	121.0	0.02	3.96	16.62	7	118	26	98	0.02	0.0	3.572	0.066	0	0	1	18
PL.61728	PL.58665	C	6 A (CWC)	7.26Y	121.0	0.09	4.05	16.62	12	118	26	98	0.08	0.1	3.696	0.124	0	0	0	17
PL.61729	PL.61728	C	#1/0 ACSR	7.26Y	121.0	0.00	4.05	0.00	0	0	0	100	0.00	0.0	3.700	0.003	0	0	0	0
PD.9169	PL.61729	C	30T	7.26Y	121.0	0.00	4.05	0.00	0	0	0	100	0.00	0.0	3.700	0.003	0	0	0	0
PL.61730	PD.9169	C	#1/0 ACSR	7.26Y	121.0	0.00	4.05	0.00	0	0	0	100	0.00	0.0	3.732	0.032	0	0	0	0
PL.61733	PL.61728	C	6 A (CWC)	7.24Y	120.7	0.25	4.30	16.62	12	118	26	98	0.23	0.2	4.032	0.336	0	0	0	17
PD.9171	PL.61733	C	30T	7.24Y	120.7	0.00	4.30	16.62	0	118	26	98	0.00	0.0	4.032	0.336	0	0	0	17
PL.61734	PD.9171	C	6 A (CWC)	7.24Y	120.7	0.00	4.30	16.62	12	118	26	98	0.00	0.0	4.036	0.004	0	0	0	17
PL.61735	PL.61734	C	6 A (CWC)	7.24Y	120.7	0.00	4.31	15.61	11	110	25	98	0.00	0.0	4.039	0.003	0	0	0	16
PD.9172	PL.61735	C	30T	7.24Y	120.7	0.00	4.31	15.61	0	110	25	98	0.00	0.0	4.039	0.003	0	0	0	16
PL.61736	PD.9172	C	6 A (CWC)	7.24Y	120.7	0.02	4.33	15.61	11	110	25	98	0.02	0.0	4.069	0.030	2	0	1	16

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.46945	PL.61736	C	#4 ACSR	7.24Y	120.7	0.00	4.33	0.00	0	0	0	100	0.00	0.0	4.119	0.050	0	0	0	0
PL.47983	PL.61736	C	6 A (CWC)	7.24Y	120.6	0.03	4.35	15.33	11	108	24	98	0.02	0.0	4.108	0.039	6	1	1	15
PL.47984	PL.47983	C	6 A (CWC)	7.24Y	120.6	0.03	4.38	14.04	10	99	22	98	0.02	0.0	4.156	0.048	14	3	1	13
PL.47985	PL.47984	C	6 A (CWC)	7.24Y	120.6	0.02	4.40	12.12	9	86	19	98	0.01	0.0	4.189	0.033	7	1	1	12
PL.47986	PL.47985	C	6 A (CWC)	7.23Y	120.6	0.04	4.43	11.18	8	79	18	98	0.02	0.0	4.269	0.080	16	4	1	11
PL.61739	PL.47986	C	6 A (CWC)	7.23Y	120.6	0.00	4.43	4.36	3	31	7	98	0.00	0.0	4.273	0.003	0	0	0	4
PD.9174	PL.61739	C	20T	7.23Y	120.6	0.00	4.43	4.36	0	31	7	98	0.00	0.0	4.273	0.003	0	0	0	4
PL.61740	PD.9174	C	6 A (CWC)	7.23Y	120.6	0.01	4.45	4.36	3	31	7	98	0.00	0.0	4.331	0.058	0	0	0	4
PL.46927	PL.61740	C	6 A (CWC)	7.23Y	120.6	0.00	4.45	0.00	0	0	0	100	0.00	0.0	4.429	0.098	0	0	0	0
PL.56319	PL.61740	C	6 A (CWC)	7.23Y	120.5	0.01	4.45	1.28	1	9	2	98	0.00	0.0	4.423	0.092	0	0	0	2
PL.56320	PL.56319	C	6 A (CWC)	7.23Y	120.5	0.00	4.46	1.04	1	7	2	96	0.00	0.0	4.600	0.177	7	2	1	1
PL.60028	PL.56319	C	#1/0 ACSR	7.23Y	120.5	0.00	4.45	0.24	0	2	0	100	0.00	0.0	4.582	0.159	2	0	1	1
PL.49185	PL.61740	C	#4 ACSR	7.23Y	120.5	0.01	4.45	3.08	2	22	5	98	0.00	0.0	4.403	0.073	7	2	1	2
PL.48524	PL.49185	C	#4 ACSR	7.23Y	120.5	0.00	4.46	2.12	2	15	3	98	0.00	0.0	4.448	0.044	15	3	1	1
PL.47987	PL.47986	C	6 A (CWC)	7.23Y	120.6	0.01	4.44	4.52	3	32	7	98	0.00	0.0	4.295	0.026	0	0	0	6
PL.48525	PL.47987	C	6 A (CWC)	7.23Y	120.5	0.04	4.48	4.52	3	32	7	98	0.01	0.0	4.486	0.191	0	0	0	6
PL.61741	PL.48525	C	6 A (CWC)	7.23Y	120.5	0.00	4.48	0.75	1	5	1	98	0.00	0.0	4.490	0.003	0	0	0	1
PD.9175	PL.61741	C	20T	7.23Y	120.5	0.00	4.48	0.75	0	5	1	98	0.00	0.0	4.490	0.003	0	0	0	1
PL.61742	PD.9175	C	6 A (CWC)	7.23Y	120.5	0.00	4.48	0.75	1	5	1	98	0.00	0.0	4.588	0.099	0	0	0	1
PL.48526	PL.61742	C	6 A (CWC)	7.23Y	120.5	0.00	4.48	0.75	1	5	1	98	0.00	0.0	4.653	0.065	5	1	1	1
PL.48527	PL.48525	C	6 A (CWC)	7.23Y	120.5	0.02	4.50	2.52	2	18	4	98	0.00	0.0	4.640	0.154	0	0	0	4
PL.47267	PL.48527	C	6 A (CWC)	7.23Y	120.5	0.02	4.51	2.52	2	18	4	98	0.00	0.0	4.805	0.165	3	1	1	4
PL.47268	PL.47267	C	6 A (CWC)	7.23Y	120.5	0.01	4.52	2.11	2	15	3	98	0.00	0.0	4.900	0.095	10	2	1	3
PL.47637	PL.47268	C	6 A (CWC)	7.23Y	120.5	0.00	4.52	0.66	0	5	1	98	0.00	0.0	5.015	0.114	0	0	1	2
PL.47638	PL.47637	C	6 A (CWC)	7.23Y	120.5	0.00	4.52	0.60	0	4	1	97	0.00	0.0	5.075	0.061	4	1	1	1
PL.61743	PL.48525	C	6 A (CWC)	7.23Y	120.5	0.00	4.48	1.25	1	9	2	98	0.00	0.0	4.489	0.003	0	0	0	1
PD.9176	PL.61743	C	20T	7.23Y	120.5	0.00	4.48	1.25	0	9	2	98	0.00	0.0	4.489	0.003	0	0	0	1
PL.61744	PD.9176	C	6 A (CWC)	7.23Y	120.5	0.00	4.48	1.25	1	9	2	98	0.00	0.0	4.527	0.038	9	2	1	1
PL.61737	PL.47983	C	#4 ACSR	7.24Y	120.6	0.00	4.35	0.42	0	3	1	95	0.00	0.0	4.111	0.003	0	0	0	1
PD.9173	PL.61737	C	20T	7.24Y	120.6	0.00	4.35	0.42	0	3	1	95	0.00	0.0	4.111	0.003	0	0	0	1
PL.61738	PD.9173	C	#4 ACSR	7.24Y	120.6	0.00	4.35	0.42	0	3	1	95	0.00	0.0	4.142	0.031	3	1	1	1

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

Balanced Voltage Drop Report  
Source: Brodhead

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.58662	PL.61734	C	6 A (CWC)	7.24Y	120.7	0.00	4.31	1.01	1	7	2	96	0.00	0.0	4.117	0.081	0	0	0	1
PL.61731	PL.58662	C	6 A (CWC)	7.24Y	120.7	0.00	4.31	1.01	1	7	2	96	0.00	0.0	4.120	0.003	0	0	0	1
PD.9170	PL.61731	C	20T	7.24Y	120.7	0.00	4.31	1.01	0	7	2	96	0.00	0.0	4.120	0.003	0	0	0	1
PL.61732	PD.9170	C	6 A (CWC)	7.24Y	120.7	0.00	4.31	1.01	1	7	2	96	0.00	0.0	4.309	0.189	7	2	1	1
PL.49028	PL.58662	C	6 A (CWC)	7.24Y	120.7	0.00	4.31	0.00	0	0	0	100	0.00	0.0	4.190	0.073	0	0	0	0
PL.49029	PL.49028	C	6 A (CWC)	7.24Y	120.7	0.00	4.31	0.00	0	0	0	100	0.00	0.0	4.462	0.272	0	0	0	0
PL.58674	PL.58673	A	#1/0 ACSR	7.26Y	121.1	0.00	3.93	1.77	1	13	3	97	0.00	0.0	3.510	0.006	0	0	0	1
PD.8634	PL.58674	A	40T	7.26Y	121.1	0.00	3.93	1.77	0	13	3	97	0.00	0.0	3.510	0.006	0	0	0	1
PL.59008	PD.8634	A	#1/0 ACSR	7.26Y	121.1	0.00	3.93	1.77	1	13	3	97	0.00	0.0	3.532	0.023	13	3	1	1
PL.58664	PL.64056	C	#4 ACSR	7.28Y	121.3	0.00	3.67	2.16	2	15	3	98	0.00	0.0	3.262	0.001	0	0	0	2
PD.8630	PL.58664	C	70QA	7.28Y	121.3	0.00	3.67	2.16	0	15	3	98	0.00	0.0	3.262	0.001	0	0	0	2
PL.58645	PD.8630	C	#4 ACSR	7.28Y	121.3	0.01	3.68	2.16	2	15	3	98	0.00	0.0	3.316	0.054	0	0	0	2
PL.58644	PL.58645	C	#4 ACSR	7.28Y	121.3	0.00	3.68	2.15	2	15	3	98	0.00	0.0	3.411	0.094	15	3	1	1
PL.59007	PL.58645	C	#4 ACSR	7.28Y	121.3	0.00	3.68	0.01	0	0	0	100	0.00	0.0	3.343	0.026	0	0	1	1
PL.49130	PL.49124	A	6 A (CWC)	7.38Y	123.0	0.00	1.96	8.20	6	59	13	98	0.00	0.0	1.701	0.002	0	0	0	15
PD.7566	PL.49130	A	50QA	7.38Y	123.0	0.00	1.96	8.20	16	59	13	98	0.00	0.0	1.701	0.002	0	0	0	15
PL.49131	PD.7566	A	6 A (CWC)	7.38Y	123.0	0.08	2.04	8.20	6	59	13	98	0.04	0.1	1.916	0.215	0	0	0	15
PL.47692	PL.49131	A	6 A (CWC)	7.38Y	123.0	0.00	2.05	1.97	1	14	3	98	0.00	0.0	1.955	0.038	14	3	3	3
PL.49132	PL.49131	A	6 A (CWC)	7.37Y	122.9	0.05	2.09	6.23	4	45	10	98	0.02	0.0	2.096	0.180	0	0	1	12
PL.49133	PL.49132	A	6 A (CWC)	7.37Y	122.9	0.02	2.11	6.21	4	45	10	98	0.01	0.0	2.172	0.075	9	2	4	11
PL.61972	PL.49133	A	#1/0 ACSR	7.37Y	122.9	0.00	2.11	2.38	1	17	4	97	0.00	0.0	2.210	0.039	5	1	1	4
PL.63449	PL.61972	A	#1/0 ACSR	7.37Y	122.9	0.00	2.12	0.35	0	3	1	95	0.00	0.0	2.269	0.059	0	0	0	2
PL.63450	PL.63449	A	#1/0 ACSR	7.37Y	122.9	0.00	2.12	0.35	0	3	1	95	0.00	0.0	2.269	0.000	3	1	2	2
PL.61973	PL.61972	A	#1/0 ACSR	7.37Y	122.9	0.00	2.12	1.32	1	9	2	98	0.00	0.0	2.292	0.082	9	2	1	1
PL.48742	PL.49133	A	6 A (CWC)	7.37Y	122.9	0.01	2.12	2.58	2	19	4	98	0.00	0.0	2.308	0.136	10	2	2	3
PL.48743	PL.48742	A	6 A (CWC)	7.37Y	122.9	0.00	2.13	1.18	1	8	2	97	0.00	0.0	2.425	0.117	8	2	1	1
PL.47542	PL.49132	A	6 A (CWC)	7.37Y	122.9	0.00	2.09	0.00	0	0	0	100	0.00	0.0	2.215	0.119	0	0	0	0
PL.58892	PL.58893	ABC	336 MCM AC	7.45Y	124.1	0.00	0.90	0.00	0	0	0	100	0.00	0.0	0.776	0.002	0	0	0	0
PD.8623-B	PL.58892	ABC	Open	7.45Y	124.1	0.00	0.90	0.00	0	0	0	100	0.00	0.0	0.776	0.002	0	0	0	0
PL.58884	Brodhead	ABC	#3/0 ACSR	7.50Y	125.0	0.00	0.00	103.19	34	2200	742	95	0.04	0.0	0.002	0.002	0	0	0	238
PL.58885	PL.58884	ABC	#3/0 ACSR	7.50Y	125.0	0.01	0.01	103.19	34	2200	742	95	0.12	0.0	0.009	0.007	0	0	0	238

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

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
-----																				
----- Feeder No. 2 (Orlando F2) Beginning with Device PD.8478 -----																				
PD.8478	PL.58885	ABC	400VWE	7.50Y	125.0	0.00	0.01	103.19	0	2200	742	95	0.00	0.0	0.009	0.007	0	0	0	238
PL.58852	PD.8478	ABC	336 MCM AC	7.50Y	125.0	0.01	0.03	103.19	20	2200	742	95	0.15	0.0	0.025	0.017	0	0	0	238
PL.58853	PL.58852	ABC	336 MCM AC	7.48Y	124.7	0.28	0.31	103.19	20	2200	742	95	3.11	0.1	0.372	0.347	0	0	0	238
PL.58606	PL.58853	ABC	336 MCM AC	7.47Y	124.5	0.19	0.50	103.05	20	2193	734	95	2.07	0.1	0.604	0.232	0	0	0	237
PL.58607	PL.58606	ABC	336 MCM AC	7.46Y	124.4	0.10	0.59	103.05	20	2191	729	95	1.05	0.0	0.722	0.118	0	0	0	237
PL.58890	PL.58607	ABC	336 MCM AC	7.46Y	124.4	0.02	0.61	103.05	20	2190	727	95	0.18	0.0	0.742	0.020	0	0	0	237
PD.8484-A	PL.58890	ABC	Closed	7.46Y	124.4	0.00	0.61	103.05	0	2190	726	95	0.00	0.0	0.742	0.020	0	0	0	237
PD.8484-B	PD.8484-A	ABC	Closed	7.46Y	124.4	0.00	0.61	103.05	0	2190	726	95	0.00	0.0	0.742	0.020	0	0	0	237
PL.58891	PD.8484-B	ABC	336 MCM AC	7.46Y	124.4	0.02	0.63	103.05	20	2190	726	95	0.27	0.0	0.772	0.030	0	0	0	237
PL.58889	PL.58891	ABC	336 MCM AC	7.46Y	124.3	0.03	0.66	103.05	20	2190	726	95	0.32	0.0	0.809	0.036	0	0	0	237
PL.58887	PL.58889	ABC	336 MCM AC	7.46Y	124.3	0.03	0.69	103.05	20	2190	725	95	0.29	0.0	0.841	0.032	0	0	0	237
PL.58610	PL.58887	ABC	336 MCM AC	7.46Y	124.3	0.02	0.71	103.05	20	2189	724	95	0.25	0.0	0.869	0.028	0	0	0	237
PL.58611	PL.58610	ABC	336 MCM AC	7.45Y	124.2	0.06	0.77	103.05	20	2189	724	95	0.63	0.0	0.939	0.071	0	0	0	237
PL.58608	PL.58611	ABC	336 MCM AC	7.45Y	124.1	0.08	0.85	102.44	20	2175	719	95	0.93	0.0	1.045	0.105	0	0	0	235
PL.58641	PL.58608	A	#1/0 ACSR	7.45Y	124.1	0.00	0.85	0.00	0	0	0	100	0.00	0.0	1.091	0.046	0	0	0	0
PL.58640	PL.58608	ABC	336 MCM AC	7.43Y	123.8	0.34	1.20	102.44	20	2174	717	95	3.76	0.2	1.470	0.425	0	0	0	235
PL.52088	PL.58640	ABC	336 MCM AC	7.42Y	123.7	0.13	1.33	102.29	20	2167	707	95	1.42	0.1	1.631	0.161	5	1	1	232
PL.52094	PL.52088	ABC	336 MCM AC	7.40Y	123.4	0.30	1.63	102.08	20	2161	703	95	3.32	0.2	2.009	0.378	0	0	0	231
PL.52090	PL.52094	C	6 A (CWC)	7.40Y	123.4	0.00	1.63	3.44	2	25	6	97	0.00	0.0	2.014	0.005	0	0	0	4
PD.7370	PL.52090	C	10T	7.40Y	123.4	0.00	1.63	3.44	0	25	6	97	0.00	0.0	2.014	0.005	0	0	0	4
PL.47622	PD.7370	C	6 A (CWC)	7.40Y	123.3	0.02	1.65	3.44	2	25	6	97	0.00	0.0	2.164	0.150	0	0	0	4
PL.47623	PL.47622	C	6 A (CWC)	7.40Y	123.3	0.00	1.65	1.61	1	12	3	97	0.00	0.0	2.197	0.033	12	3	2	2
PL.47624	PL.47623	C	6 A (CWC)	7.40Y	123.3	0.00	1.65	0.00	0	0	0	100	0.00	0.0	2.197	0.000	0	0	0	0
PL.48504	PL.47622	C	6 A (CWC)	7.40Y	123.3	0.01	1.66	1.83	1	13	3	97	0.00	0.0	2.306	0.142	9	2	1	2
PL.48505	PL.48504	C	6 A (CWC)	7.40Y	123.3	0.00	1.66	0.60	0	4	1	97	0.00	0.0	2.395	0.089	4	1	1	1
PL.52091	PL.52094	ABC	336 MCM AC	7.40Y	123.3	0.08	1.71	100.94	19	2133	690	95	0.88	0.0	2.111	0.103	0	0	0	227
PL.52092	PL.52091	A	#4 ACSR	7.40Y	123.3	0.00	1.71	2.67	2	19	4	98	0.00	0.0	2.112	0.001	0	0	0	1
PD.7342	PL.52092	A	25QA	7.40Y	123.3	0.00	1.71	2.67	11	19	4	98	0.00	0.0	2.112	0.001	0	0	0	1

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.48498	PD.7342	A	#4 ACSR	7.40Y	123.3	0.00	1.71	2.67	2	19	4	98	0.00	0.0	2.187	0.075	19	4	1	1
PL.63440	PL.52091	ABC	336 MCM AC	7.40Y	123.3	0.01	1.72	20.48	4	443	100	98	0.02	0.0	2.161	0.049	0	0	0	69
PL.48496	PL.63440	ABC	#1/0 ACSR	7.40Y	123.3	0.00	1.72	20.48	9	443	100	98	0.00	0.0	2.161	0.001	0	0	0	69
PD.7563	PL.48496	ABC	70L	7.40Y	123.3	0.00	1.72	20.48	29	443	100	98	0.00	0.0	2.161	0.001	0	0	0	69
PL.48497	PD.7563	ABC	#1/0 ACSR	7.39Y	123.2	0.07	1.78	20.48	9	443	100	98	0.21	0.0	2.345	0.184	0	0	0	69
PL.48494	PL.48497	C	#1/0 ACSR	7.39Y	123.2	0.00	1.78	4.04	2	29	6	98	0.00	0.0	2.346	0.001	0	0	0	3
PD.7484	PL.48494	C	25QA	7.39Y	123.2	0.00	1.78	4.04	16	29	6	98	0.00	0.0	2.346	0.001	0	0	0	3
PL.48495	PD.7484	C	#1/0 ACSR	7.39Y	123.2	0.00	1.78	4.04	2	29	6	98	0.00	0.0	2.384	0.038	12	3	1	3
PL.49008	PL.48495	C	#1/0 ACSR	7.39Y	123.2	0.00	1.79	2.35	1	17	4	97	0.00	0.0	2.438	0.054	10	2	1	2
PL.48493	PL.49008	C	#1/0 ACSR	7.39Y	123.2	0.00	1.79	0.95	0	7	2	96	0.00	0.0	2.553	0.115	7	2	1	1
PL.49007	PL.48497	ABC	#1/0 ACSR	7.39Y	123.2	0.02	1.81	19.14	8	414	93	98	0.07	0.0	2.418	0.073	0	0	0	66
PL.63436	PL.49007	ABC	#1/0 ACSR	7.39Y	123.2	0.02	1.82	17.96	8	388	88	98	0.05	0.0	2.476	0.058	9	2	1	62
PL.63437	PL.63436	ABC	#1/0 ACSR	7.39Y	123.2	0.02	1.84	17.56	8	380	86	98	0.04	0.0	2.526	0.050	0	0	0	61
PL.49002	PL.63437	A	#4 ACSR	7.39Y	123.2	0.00	1.84	2.09	2	15	3	98	0.00	0.0	2.527	0.001	0	0	0	1
PD.7520	PL.49002	A	20QA	7.39Y	123.2	0.00	1.84	2.09	10	15	3	98	0.00	0.0	2.527	0.001	0	0	0	1
PL.49003	PD.7520	A	#4 ACSR	7.39Y	123.2	0.00	1.84	2.09	2	15	3	98	0.00	0.0	2.591	0.064	15	3	1	1
PL.49000	PL.63437	C	#2 ACSR	7.39Y	123.2	0.00	1.84	0.00	0	0	0	100	0.00	0.0	2.527	0.001	0	0	0	0
PD.7311	PL.49000	C	20QA	7.39Y	123.2	0.00	1.84	0.00	0	0	0	100	0.00	0.0	2.527	0.001	0	0	0	0
PL.49001	PD.7311	C	#2 ACSR	7.39Y	123.2	0.00	1.84	0.00	0	0	0	100	0.00	0.0	2.559	0.032	0	0	0	0
PL.48999	PL.63437	ABC	#1/0 ACSR	7.39Y	123.1	0.05	1.89	16.86	7	365	82	98	0.12	0.0	2.690	0.165	1	0	1	60
PL.48996	PL.48999	ABC	#1/0 ACSR	7.39Y	123.1	0.01	1.90	16.69	7	361	81	98	0.04	0.0	2.740	0.050	9	2	2	57
PL.63702	PL.48996	ABC	#1/0 ACSR	7.38Y	123.1	0.04	1.94	14.93	6	323	73	98	0.08	0.0	2.875	0.135	0	0	0	51
PL.63701	PL.63702	A	#1/0 ACSR	7.38Y	123.1	0.00	1.94	1.21	1	9	2	98	0.00	0.0	2.877	0.001	0	0	0	1
PD.7463	PL.63701	A	25QA	7.38Y	123.1	0.00	1.94	1.21	5	9	2	98	0.00	0.0	2.877	0.001	0	0	0	1
PL.48993	PD.7463	A	#1/0 ACSR	7.38Y	123.1	0.00	1.94	1.21	1	9	2	98	0.00	0.0	2.932	0.055	9	2	1	1
PL.63703	PL.63702	C	#4 ACSR	7.38Y	123.1	0.00	1.94	1.10	1	8	2	97	0.00	0.0	2.877	0.002	0	0	0	2
PD.8700	PL.63703	C	12T	7.38Y	123.1	0.00	1.94	1.10	0	8	2	97	0.00	0.0	2.877	0.002	0	0	0	2
PL.58988	PD.8700	C	#4 ACSR	7.38Y	123.1	0.00	1.94	1.10	1	8	2	97	0.00	0.0	2.915	0.038	8	2	1	2
PL.58989	PL.58988	C	#4 ACSR	7.38Y	123.1	0.00	1.94	0.02	0	0	0	100	0.00	0.0	2.969	0.054	0	0	1	1
PL.63700	PL.63702	ABC	#1/0 ACSR	7.38Y	123.0	0.06	1.99	14.16	6	306	69	98	0.12	0.0	3.104	0.229	0	0	0	48
PL.63704	PL.63700	B	#1/0 ACSR	7.38Y	123.0	0.00	2.00	42.47	18	306	69	98	0.00	0.0	3.106	0.002	0	0	0	48

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Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.9536	PL.63704	B	100CodeSMo	7.38Y	123.0	0.00	2.00	42.47	0	306	69	98	0.00	0.0	3.106	0.002	0	0	0	48
PL.63705	PD.9536	B	#1/0 ACSR	7.38Y	123.0	0.02	2.02	42.47	18	306	69	98	0.04	0.0	3.129	0.023	0	0	0	48
PL.48991	PL.63705	B	6 A (CWC)	7.37Y	122.8	0.15	2.17	41.67	30	300	68	98	0.34	0.1	3.210	0.082	0	0	0	46
PL.48992	PL.48991	B	6 A (CWC)	7.36Y	122.7	0.16	2.33	41.67	30	300	67	98	0.36	0.1	3.296	0.086	0	0	0	46
PL.61852	PL.48992	B	6 A (CWC)	7.34Y	122.3	0.32	2.65	41.67	30	299	67	98	0.72	0.2	3.467	0.170	0	0	0	46
PL.61854	PL.61852	B	6 A (CWC)	7.34Y	122.3	0.00	2.65	0.02	0	0	0	100	0.00	0.0	3.516	0.050	0	0	1	1
PL.61853	PL.61852	B	6 A (CWC)	7.33Y	122.2	0.19	2.84	41.66	30	298	67	98	0.43	0.1	3.572	0.105	14	3	2	45
PL.48983	PL.61853	B	6 A (CWC)	7.33Y	122.2	0.00	2.85	1.63	1	12	3	97	0.00	0.0	3.671	0.099	12	3	2	2
PL.48984	PL.48983	B	6 A (CWC)	7.33Y	122.2	0.00	2.85	0.00	0	0	0	100	0.00	0.0	3.717	0.047	0	0	0	0
PL.48982	PL.61853	B	6 A (CWC)	7.32Y	122.0	0.16	3.01	38.11	27	273	61	98	0.33	0.1	3.667	0.095	5	1	1	41
PL.48981	PL.48982	B	6 A (CWC)	7.32Y	121.9	0.05	3.05	37.34	27	267	59	98	0.09	0.0	3.694	0.027	0	0	0	40
PL.48985	PL.48981	B	6 A (CWC)	7.32Y	121.9	0.02	3.07	10.18	7	73	16	98	0.01	0.0	3.734	0.040	0	0	0	11
PL.60137	PL.48985	B	6 A (CWC)	7.31Y	121.9	0.03	3.10	7.60	5	54	12	98	0.01	0.0	3.810	0.076	0	0	0	9
PL.60136	PL.60137	B	6 A (CWC)	7.31Y	121.9	0.00	3.10	0.59	0	4	1	97	0.00	0.0	3.882	0.072	4	1	1	1
PL.60138	PL.60137	B	6 A (CWC)	7.31Y	121.9	0.01	3.11	7.01	5	50	11	98	0.00	0.0	3.843	0.033	10	2	1	8
PL.60139	PL.60138	B	6 A (CWC)	7.31Y	121.9	0.03	3.14	5.58	4	40	9	98	0.01	0.0	3.964	0.121	0	0	0	7
PL.60134	PL.60139	B	6 A (CWC)	7.31Y	121.9	0.00	3.14	2.11	2	15	3	98	0.00	0.0	4.033	0.069	15	3	2	2
PL.60135	PL.60139	B	6 A (CWC)	7.31Y	121.8	0.01	3.15	3.47	2	25	5	98	0.00	0.0	4.057	0.093	0	0	0	5
PL.48986	PL.60135	B	6 A (CWC)	7.31Y	121.8	0.01	3.16	1.65	1	12	3	97	0.00	0.0	4.239	0.182	0	0	1	3
PL.48987	PL.48986	B	6 A (CWC)	7.31Y	121.8	0.00	3.17	1.64	1	12	3	97	0.00	0.0	4.298	0.059	0	0	0	2
PL.48988	PL.48987	B	6 A (CWC)	7.31Y	121.8	0.00	3.17	1.64	1	12	3	97	0.00	0.0	4.363	0.065	9	2	1	2
PL.48989	PL.48988	B	6 A (CWC)	7.31Y	121.8	0.00	3.17	0.32	0	2	1	89	0.00	0.0	4.434	0.070	2	1	1	1
PL.47672	PL.48989	B	#2 ACSR	7.31Y	121.8	0.00	3.17	0.00	0	0	0	100	0.00	0.0	4.476	0.042	0	0	0	0
PL.45995	PL.48989	B	6 A (CWC)	7.31Y	121.8	0.00	3.17	0.00	0	0	0	100	0.00	0.0	4.494	0.060	0	0	0	0
PL.48990	PL.48989	B	6 A (CWC)	7.31Y	121.8	0.00	3.17	0.00	0	0	0	100	0.00	0.0	4.682	0.248	0	0	0	0
PL.47738	PL.60135	B	6 A (CWC)	7.31Y	121.8	0.00	3.15	0.62	0	4	1	97	0.00	0.0	4.105	0.048	4	1	1	1
PL.47534	PL.60135	B	6 A (CWC)	7.31Y	121.8	0.00	3.15	1.20	1	9	2	98	0.00	0.0	4.090	0.032	9	2	1	1
PL.47674	PL.48985	B	6 A (CWC)	7.32Y	121.9	0.00	3.07	2.59	2	18	4	98	0.00	0.0	3.797	0.062	18	4	2	2
PL.47395	PL.48981	B	#4 ACSR	7.31Y	121.9	0.06	3.11	27.15	21	194	43	98	0.09	0.0	3.744	0.050	0	0	0	29
PL.47633	PL.47395	B	#4 ACSR	7.31Y	121.9	0.00	3.11	3.36	3	24	5	98	0.00	0.0	3.777	0.033	24	5	3	3
PL.48980	PL.47395	B	#4 ACSR	7.31Y	121.9	0.00	3.11	23.80	18	170	38	98	0.00	0.0	3.745	0.001	0	0	0	26

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: Brodhead

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.62097	PL.48980	B	#4 ACSR	7.31Y	121.9	0.00	3.12	23.80	18	170	38	98	0.00	0.0	3.748	0.003	0	0	0	26
PD.9363	PL.62097	B	25T	7.31Y	121.9	0.00	3.12	23.80	0	170	38	98	0.00	0.0	3.748	0.003	0	0	0	26
PL.62098	PD.9363	B	#4 ACSR	7.31Y	121.8	0.05	3.16	23.80	18	170	38	98	0.06	0.0	3.795	0.047	0	0	0	26
PL.48978	PL.62098	B	#4 ACSR	7.31Y	121.8	0.00	3.17	5.21	4	37	8	98	0.00	0.0	3.810	0.015	0	0	1	6
PL.48979	PL.48978	B	#4 ACSR	7.31Y	121.8	0.01	3.18	5.14	4	37	8	98	0.00	0.0	3.889	0.079	14	3	2	5
PL.58969	PL.48979	B	#4 ACSR	7.31Y	121.8	0.01	3.19	3.13	2	22	5	98	0.00	0.0	3.932	0.042	4	1	1	3
PL.58970	PL.58969	B	#4 ACSR	7.31Y	121.8	0.00	3.19	2.55	2	18	4	98	0.00	0.0	3.998	0.067	18	4	2	2
PL.48977	PL.62098	B	#4 ACSR	7.30Y	121.7	0.10	3.27	18.59	14	133	30	98	0.10	0.1	3.942	0.147	34	8	3	20
PL.48976	PL.48977	B	#4 ACSR	7.30Y	121.7	0.02	3.29	13.80	11	98	22	98	0.02	0.0	3.983	0.041	6	1	1	17
PL.48975	PL.48976	B	#4 ACSR	7.30Y	121.7	0.04	3.33	12.98	10	93	21	98	0.02	0.0	4.048	0.066	7	2	1	16
PL.48974	PL.48975	B	#4 ACSR	7.30Y	121.6	0.03	3.36	9.73	7	69	15	98	0.02	0.0	4.121	0.072	0	0	0	12
PL.48973	PL.48974	B	#4 ACSR	7.29Y	121.6	0.07	3.43	9.73	7	69	15	98	0.03	0.0	4.280	0.159	5	1	1	12
PL.48972	PL.48973	B	#4 ACSR	7.29Y	121.5	0.05	3.48	9.08	7	65	14	98	0.03	0.0	4.415	0.135	0	0	0	11
PL.47287	PL.48972	B	#4 ACSR	7.29Y	121.5	0.00	3.49	3.40	3	24	5	98	0.00	0.0	4.481	0.066	24	5	4	4
PL.48971	PL.48972	B	#4 ACSR	7.29Y	121.5	0.06	3.54	5.69	4	40	9	98	0.02	0.0	4.694	0.280	8	2	1	7
PL.48242	PL.48971	B	#4 ACSR	7.29Y	121.5	0.01	3.55	4.57	4	33	7	98	0.00	0.0	4.726	0.031	9	2	1	6
PL.61967	PL.48242	B	#4 ACSR	7.29Y	121.4	0.01	3.55	3.29	3	23	5	98	0.00	0.0	4.763	0.037	0	0	0	5
PL.62122	PL.61967	B	#4 ACSR	7.29Y	121.4	0.00	3.55	0.00	0	0	0	100	0.00	0.0	4.923	0.160	0	0	0	0
PL.61966	PL.61967	B	6 A (CWC)	7.29Y	121.4	0.01	3.57	3.29	2	23	5	98	0.00	0.0	4.874	0.111	10	2	2	5
PL.60159	PL.61966	B	#1/0 ACSR	7.29Y	121.4	0.00	3.57	1.91	1	14	3	98	0.00	0.0	4.896	0.021	14	3	3	3
PL.47629	PL.48975	B	#4 ACSR	7.30Y	121.7	0.00	3.33	2.26	2	16	4	97	0.00	0.0	4.099	0.051	16	4	3	3
PL.48777	PL.63705	B	#4 ACSR	7.38Y	123.0	0.01	2.03	0.79	1	6	1	99	0.00	0.0	3.344	0.215	0	0	0	2
PL.47713	PL.48777	B	#4 ACSR	7.38Y	123.0	0.00	2.03	0.77	1	6	1	99	0.00	0.0	3.540	0.195	6	1	1	1
PL.48778	PL.48777	B	#4 ACSR	7.38Y	123.0	0.00	2.03	0.03	0	0	0	100	0.00	0.0	3.554	0.210	0	0	1	1
PL.48994	PL.48996	A	6 A (CWC)	7.39Y	123.1	0.00	1.90	4.09	3	29	7	97	0.00	0.0	2.742	0.001	0	0	0	4
PD.7521	PL.48994	A	25QA	7.39Y	123.1	0.00	1.90	4.09	16	29	7	97	0.00	0.0	2.742	0.001	0	0	0	4
PL.48995	PD.7521	A	6 A (CWC)	7.39Y	123.1	0.00	1.91	4.09	3	29	7	97	0.00	0.0	2.769	0.027	29	7	4	4
PL.48997	PL.48999	C	#1/0 ACSR	7.39Y	123.1	0.00	1.89	0.33	0	2	1	89	0.00	0.0	2.692	0.001	0	0	0	2
PD.7462	PL.48997	C	25QA	7.39Y	123.1	0.00	1.89	0.33	1	2	1	89	0.00	0.0	2.692	0.001	0	0	0	2
PL.48998	PD.7462	C	#1/0 ACSR	7.39Y	123.1	0.00	1.89	0.33	0	2	1	89	0.00	0.0	2.734	0.042	2	1	2	2
PL.49005	PL.49007	B	6 A (CWC)	7.39Y	123.2	0.00	1.81	3.54	3	26	6	97	0.00	0.0	2.419	0.001	0	0	0	4

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Balanced Voltage Drop Report  
Source: Brodhead

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

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
-----																				
PD.7507	PL.49005	B	40QA	7.39Y	123.2	0.00	1.81	3.54	9	26	6	97	0.00	0.0	2.419	0.001	0	0	0	4
PL.49006	PD.7507	B	6 A (CWC)	7.39Y	123.2	0.01	1.82	3.54	3	26	6	97	0.00	0.0	2.478	0.059	0	0	0	4
PL.47635	PL.49006	B	6 A (CWC)	7.39Y	123.2	0.00	1.82	0.00	0	0	0	100	0.00	0.0	2.551	0.074	0	0	0	0
PL.46901	PL.49006	B	6 A (CWC)	7.39Y	123.2	0.00	1.82	1.63	1	12	3	97	0.00	0.0	2.513	0.036	12	3	1	1
PL.49004	PL.49006	B	6 A (CWC)	7.39Y	123.2	0.00	1.82	1.91	1	14	3	98	0.00	0.0	2.512	0.034	9	2	2	3
PL.58976	PL.49004	B	#1/0 ACSR	7.39Y	123.2	0.00	1.82	0.69	0	5	1	98	0.00	0.0	2.516	0.004	0	0	0	1
PD.8666	PL.58976	B	15T	7.39Y	123.2	0.00	1.82	0.69	0	5	1	98	0.00	0.0	2.516	0.004	0	0	0	1
PL.58977	PD.8666	B	#1/0 ACSR	7.39Y	123.2	0.00	1.82	0.69	0	5	1	98	0.00	0.0	2.648	0.133	5	1	1	1
PL.52093	PL.52091	ABC	336 MCM AC	7.39Y	123.2	0.05	1.76	79.68	15	1669	583	94	0.46	0.0	2.197	0.085	0	0	0	157
PL.48499	PL.52093	C	#4 ACSR	7.39Y	123.2	0.00	1.76	6.88	5	50	11	98	0.00	0.0	2.198	0.001	0	0	0	4
PD.7530	PL.48499	C	75QA	7.39Y	123.2	0.00	1.76	6.88	9	50	11	98	0.00	0.0	2.198	0.001	0	0	0	4
PL.48500	PD.7530	C	#4 ACSR	7.39Y	123.2	0.02	1.79	6.88	5	50	11	98	0.01	0.0	2.274	0.076	0	0	0	4
PL.64663	PL.48500	C	#1/0 ACSR	7.39Y	123.2	0.00	1.79	1.76	1	13	3	97	0.00	0.0	2.370	0.096	0	0	0	1
PL.64664	PL.64663	C	#1/0 ACSR	7.39Y	123.2	0.00	1.79	1.76	1	13	3	97	0.00	0.0	2.370	0.000	13	3	1	1
PL.48501	PL.48500	C	#4 ACSR	7.39Y	123.2	0.02	1.81	5.12	4	37	8	98	0.01	0.0	2.393	0.119	10	2	1	3
PL.48502	PL.48501	C	#4 ACSR	7.39Y	123.2	0.01	1.82	3.74	3	27	6	98	0.00	0.0	2.463	0.070	27	6	2	2
PL.52095	PL.52093	ABC	336 MCM AC	7.39Y	123.1	0.12	1.88	77.41	15	1619	571	94	0.96	0.1	2.387	0.191	3	1	2	153
PL.52096	PL.52095	ABC	336 MCM AC	7.38Y	123.1	0.06	1.94	77.26	15	1615	568	94	0.49	0.0	2.486	0.099	21	5	3	151
PL.52097	PL.52096	ABC	336 MCM AC	7.38Y	123.0	0.02	1.97	76.30	15	1594	563	94	0.18	0.0	2.523	0.037	0	0	0	148
PL.48509	PL.52097	A	#4 ACSR	7.38Y	123.0	0.00	1.97	4.28	3	31	7	98	0.00	0.0	2.524	0.001	0	0	0	4
PD.7344	PL.48509	A	75QA	7.38Y	123.0	0.00	1.97	4.28	6	31	7	98	0.00	0.0	2.524	0.001	0	0	0	4
PL.48510	PD.7344	A	#4 ACSR	7.38Y	123.0	0.00	1.97	4.28	3	31	7	98	0.00	0.0	2.554	0.029	9	2	1	4
PL.48511	PL.48510	A	#4 ACSR	7.38Y	123.0	0.00	1.97	3.07	2	22	5	98	0.00	0.0	2.601	0.047	22	5	3	3
PL.48506	PL.52097	ABC	336 MCM AC	7.38Y	123.0	0.04	2.01	74.51	14	1555	554	94	0.33	0.0	2.595	0.072	6	1	1	143
PL.48771	PL.48506	C	#4 ACSR	7.38Y	123.0	0.00	2.01	3.94	3	28	6	98	0.00	0.0	2.632	0.037	19	4	3	4
PL.48772	PL.48771	C	#4 ACSR	7.38Y	123.0	0.00	2.01	1.29	1	9	2	98	0.00	0.0	2.666	0.034	9	2	1	1
PL.47518	PL.48506	ABC	#3/0 ACSR	7.38Y	123.0	0.03	2.04	16.81	6	363	81	98	0.07	0.0	2.736	0.141	0	0	0	65
PL.48512	PL.47518	ABC	#1/0 ACSR	7.38Y	123.0	0.00	2.04	16.81	7	363	81	98	0.00	0.0	2.737	0.001	0	0	0	65
PD.7606	PL.48512	ABC	70L	7.38Y	123.0	0.00	2.04	16.81	24	363	81	98	0.00	0.0	2.737	0.001	0	0	0	65
PL.48513	PD.7606	ABC	#1/0 ACSR	7.38Y	123.0	0.01	2.05	16.81	7	363	81	98	0.03	0.0	2.776	0.039	0	0	0	65
PL.48514	PL.48513	B	#2 ACSR	7.38Y	123.0	0.00	2.05	1.96	1	14	3	98	0.00	0.0	2.777	0.001	0	0	0	2

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

Balanced Voltage Drop Report  
Source: Brodhead

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.7391	PL.48514	B	25QA	7.38Y	123.0	0.00	2.05	1.96	8	14	3	98	0.00	0.0	2.777	0.001	0	0	0	2
PL.48515	PD.7391	B	#2 ACSR	7.38Y	123.0	0.00	2.05	1.96	1	14	3	98	0.00	0.0	2.795	0.019	14	3	2	2
PL.48516	PL.48513	ABC	#1/0 ACSR	7.37Y	122.9	0.05	2.10	16.15	7	349	78	98	0.12	0.0	2.949	0.173	0	0	0	63
PL.58508	PL.48516	C	#2 ACSR	7.37Y	122.9	0.00	2.10	1.86	1	13	3	97	0.00	0.0	2.951	0.003	0	0	0	2
PD.8701	PL.58508	C	20T	7.37Y	122.9	0.00	2.10	1.86	0	13	3	97	0.00	0.0	2.951	0.003	0	0	0	2
PL.58509	PD.8701	C	#2 ACSR	7.37Y	122.9	0.00	2.10	1.86	1	13	3	97	0.00	0.0	3.000	0.048	13	3	1	2
PL.58507	PL.58509	C	#2 ACSR	7.37Y	122.9	0.00	2.10	0.00	0	0	0	100	0.00	0.0	3.232	0.232	0	0	1	1
PL.48774	PL.48516	ABC	#1/0 ACSR	7.37Y	122.9	0.04	2.14	15.53	7	336	74	98	0.10	0.0	3.106	0.157	9	2	1	61
PL.48775	PL.48774	ABC	#1/0 ACSR	7.37Y	122.8	0.01	2.15	15.10	7	326	72	98	0.03	0.0	3.163	0.057	5	1	2	60
PL.48779	PL.48775	ABC	#1/0 ACSR	7.37Y	122.8	0.01	2.17	11.57	5	250	55	98	0.02	0.0	3.224	0.061	0	0	0	47
PL.48784	PL.48779	C	#4 ACSR	7.37Y	122.8	0.00	2.17	0.98	1	7	2	96	0.00	0.0	3.225	0.002	0	0	0	2
PD.7501	PL.48784	C	25QA	7.37Y	122.8	0.00	2.17	0.98	4	7	2	96	0.00	0.0	3.225	0.002	0	0	0	2
PL.48785	PD.7501	C	#4 ACSR	7.37Y	122.8	0.00	2.17	0.98	1	7	2	96	0.00	0.0	3.238	0.012	7	2	2	2
PL.48786	PL.48779	ABC	#1/0 ACSR	7.37Y	122.8	0.02	2.19	10.56	5	228	50	98	0.03	0.0	3.332	0.108	5	1	1	42
PL.48787	PL.48786	ABC	#1/0 ACSR	7.37Y	122.8	0.01	2.20	10.34	4	223	49	98	0.02	0.0	3.406	0.073	5	1	1	41
PL.48788	PL.48787	ABC	#1/0 ACSR	7.37Y	122.8	0.01	2.21	10.12	4	218	48	98	0.01	0.0	3.461	0.056	7	2	1	40
PL.48791	PL.48788	ABC	#1/0 ACSR	7.37Y	122.8	0.01	2.22	9.30	4	201	44	98	0.02	0.0	3.539	0.078	16	4	1	38
PL.48794	PL.48791	ABC	#1/0 ACSR	7.37Y	122.8	0.00	2.22	6.26	3	135	30	98	0.00	0.0	3.561	0.022	2	1	1	28
PL.48796	PL.48794	ABC	#1/0 ACSR	7.37Y	122.8	0.01	2.23	6.14	3	133	29	98	0.00	0.0	3.612	0.051	5	1	1	27
PL.64759	PL.48796	C	#4 ACSR	7.37Y	122.8	0.00	2.23	0.91	1	7	1	99	0.00	0.0	3.612	0.000	0	0	0	1
PL.64760	PL.64759	C	#4 ACSR	7.37Y	122.8	0.00	2.23	0.91	1	7	1	99	0.00	0.0	3.614	0.002	0	0	0	1
PD.7536	PL.64760	C	20T	7.37Y	122.8	0.00	2.23	0.91	0	7	1	99	0.00	0.0	3.614	0.002	0	0	0	1
PL.48799	PD.7536	C	#4 ACSR	7.37Y	122.8	0.00	2.23	0.91	1	7	1	99	0.00	0.0	3.636	0.023	0	0	0	1
PL.48798	PL.48799	C	#4 ACSR	7.37Y	122.8	0.00	2.23	0.91	1	7	1	99	0.00	0.0	3.731	0.094	7	1	1	1
PL.48797	PL.48796	ABC	#1/0 ACSR	7.37Y	122.8	0.01	2.24	5.62	2	121	27	98	0.01	0.0	3.699	0.087	4	1	1	25
PL.48800	PL.48797	C	6 A (CWC)	7.37Y	122.8	0.00	2.24	3.51	3	25	6	97	0.00	0.0	3.701	0.002	0	0	0	4
PD.7312	PL.48800	C	25QA	7.37Y	122.8	0.00	2.24	3.51	14	25	6	97	0.00	0.0	3.701	0.002	0	0	0	4
PL.48801	PD.7312	C	6 A (CWC)	7.37Y	122.8	0.01	2.25	3.51	3	25	6	97	0.00	0.0	3.761	0.060	0	0	0	4
PL.48803	PL.48801	C	#1/0 ACSR	7.37Y	122.8	0.00	2.25	0.90	0	6	1	99	0.00	0.0	3.810	0.048	0	0	0	1
PL.48804	PL.48803	C	#1/0 ACSR	7.37Y	122.8	0.00	2.25	0.90	0	6	1	99	0.00	0.0	3.867	0.057	6	1	1	1
PL.48802	PL.48801	C	6 A (CWC)	7.37Y	122.8	0.00	2.25	2.61	2	19	4	98	0.00	0.0	3.794	0.033	19	4	3	3

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Balanced Voltage Drop Report  
Source: Brodhead

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

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
-----																				
PL.48805	PL.48797	ABC	#1/0 ACSR	7.37Y	122.8	0.01	2.25	4.27	2	92	20	98	0.00	0.0	3.802	0.103	0	0	0	20
PL.48809	PL.48805	ABC	#1/0 ACSR	7.37Y	122.8	0.00	2.25	3.49	2	75	16	98	0.00	0.0	3.853	0.052	0	0	1	16
PL.48812	PL.48809	ABC	#1/0 ACSR	7.36Y	122.7	0.01	2.25	3.49	2	75	16	98	0.00	0.0	3.939	0.085	0	0	0	15
PL.48813	PL.48812	ABC	#1/0 ACSR	7.36Y	122.7	0.00	2.26	3.49	2	75	16	98	0.00	0.0	3.965	0.026	9	2	1	15
PL.49105	PL.48813	ABC	#1/0 ACSR	7.36Y	122.7	0.00	2.26	3.06	1	66	14	98	0.00	0.0	4.028	0.062	6	1	1	14
PL.49112	PL.49105	ABC	#1/0 ACSR	7.36Y	122.7	0.00	2.26	2.37	1	51	11	98	0.00	0.0	4.104	0.077	0	0	0	12
PL.48597	PL.49112	ABC	#1/0 ACSR	7.36Y	122.7	0.00	2.26	0.85	0	18	4	98	0.00	0.0	4.139	0.035	0	0	1	4
PL.57415	PL.48597	ABC	#1/0 ACSR	7.36Y	122.7	0.00	2.26	0.85	0	18	4	98	0.00	0.0	4.184	0.045	0	0	0	3
PL.57416	PL.57415	C	#4 ACSR	7.36Y	122.7	0.00	2.26	2.56	2	18	4	98	0.00	0.0	4.190	0.006	0	0	0	3
PD.8284	PL.57416	C	25T	7.36Y	122.7	0.00	2.26	2.56	0	18	4	98	0.00	0.0	4.190	0.006	0	0	0	3
PL.57418	PD.8284	C	#4 ACSR	7.36Y	122.7	0.01	2.27	2.56	2	18	4	98	0.00	0.0	4.310	0.121	8	2	1	3
PL.57414	PL.57418	C	#4 ACSR	7.36Y	122.7	0.00	2.28	1.51	1	11	2	98	0.00	0.0	4.366	0.055	0	0	0	2
PL.47523	PL.57414	C	#4 ACSR	7.36Y	122.7	0.00	2.28	0.67	1	5	1	98	0.00	0.0	4.508	0.142	5	1	1	1
PL.48599	PL.57414	C	#4 ACSR	7.36Y	122.7	0.00	2.28	0.84	1	6	1	99	0.00	0.0	4.389	0.024	0	0	0	1
PL.48600	PL.48599	C	#4 ACSR	7.36Y	122.7	0.00	2.28	0.84	1	6	1	99	0.00	0.0	4.500	0.111	6	1	1	1
PL.56318	PL.48600	C	#4 ACSR	7.36Y	122.7	0.00	2.28	0.00	0	0	0	100	0.00	0.0	4.566	0.066	0	0	0	0
PL.57417	PL.57415	C	#4 ACSR	7.36Y	122.7	0.00	2.26	0.00	0	0	0	100	0.00	0.0	4.185	0.002	0	0	0	0
PD.7547	PL.57417	C	25QA	7.36Y	122.7	0.00	2.26	0.00	0	0	0	100	0.00	0.0	4.185	0.002	0	0	0	0
PL.48598	PD.7547	C	#4 ACSR	7.36Y	122.7	0.00	2.26	0.00	0	0	0	100	0.00	0.0	4.242	0.056	0	0	0	0
PL.49114	PL.49112	C	#4 ACSR	7.36Y	122.7	0.00	2.26	2.59	2	19	4	98	0.00	0.0	4.105	0.001	0	0	0	5
PD.7571	PL.49114	C	25QA	7.36Y	122.7	0.00	2.26	2.59	10	19	4	98	0.00	0.0	4.105	0.001	0	0	0	5
PL.60145	PD.7571	C	#4 ACSR	7.36Y	122.7	0.01	2.27	2.59	2	19	4	98	0.00	0.0	4.177	0.072	11	2	2	5
PL.60146	PL.60145	C	#4 ACSR	7.36Y	122.7	0.00	2.27	1.07	1	8	1	99	0.00	0.0	4.209	0.032	0	0	0	3
PL.60147	PL.60146	C	1/0 AL URD	7.36Y	122.7	0.00	2.27	1.07	1	8	1	99	0.00	0.0	4.213	0.003	0	0	0	3
PD.8920	PL.60147	C	40QA	7.36Y	122.7	0.00	2.27	1.07	3	8	1	99	0.00	0.0	4.213	0.003	0	0	0	3
PL.63710	PD.8920	C	1/0 AL URD	7.36Y	122.7	0.00	2.27	1.07	1	8	1	99	0.00	0.0	4.223	0.010	0	0	1	3
PL.63709	PL.63710	C	1/0 AL URD	7.36Y	122.7	0.00	2.27	1.07	1	8	2	97	0.00	0.0	4.244	0.021	2	1	1	2
PL.63708	PL.63709	C	1/0 AL URD	7.36Y	122.7	0.00	2.27	0.73	0	5	1	98	0.00	0.0	4.262	0.018	0	0	0	1
PL.57879	PL.63708	C	1/0 AL URD	7.36Y	122.7	0.00	2.27	0.73	0	5	1	98	0.00	0.0	4.276	0.015	5	1	1	1
PL.49113	PL.49112	C	#4 ACSR	7.36Y	122.7	0.00	2.26	1.96	2	14	3	98	0.00	0.0	4.106	0.001	0	0	0	3
PD.7546	PL.49113	C	25QA	7.36Y	122.7	0.00	2.26	1.96	8	14	3	98	0.00	0.0	4.106	0.001	0	0	0	3

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Case: 2009 Existing Conditions

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
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PL.57395	PD.7546	C	#4 ACSR	7.36Y	122.7	0.00	2.26	1.96	2	14	3	98	0.00	0.0	4.140	0.034	14	3	3	3
PL.49106	PL.49105	C	#4 ACSR	7.36Y	122.7	0.00	2.26	0.00	0	0	0	100	0.00	0.0	4.029	0.001	0	0	0	0
PD.7506	PL.49106	C	25QA	7.36Y	122.7	0.00	2.26	0.00	0	0	0	100	0.00	0.0	4.029	0.001	0	0	0	0
PL.49107	PD.7506	C	#4 ACSR	7.36Y	122.7	0.00	2.26	0.00	0	0	0	100	0.00	0.0	4.132	0.104	0	0	0	0
PL.49110	PL.49105	A	#2 ACSR	7.36Y	122.7	0.00	2.26	1.20	1	9	2	98	0.00	0.0	4.029	0.001	0	0	0	1
PD.7461	PL.49110	A	40QA	7.36Y	122.7	0.00	2.26	1.20	3	9	2	98	0.00	0.0	4.029	0.001	0	0	0	1
PL.49111	PD.7461	A	#2 ACSR	7.36Y	122.7	0.00	2.26	1.20	1	9	2	98	0.00	0.0	4.029	0.000	0	0	0	1
PL.49108	PL.49111	A	#2 ACSR	7.36Y	122.7	0.00	2.26	1.20	1	9	2	98	0.00	0.0	4.049	0.020	9	2	1	1
PL.49109	PL.49108	A	#2 ACSR	7.36Y	122.7	0.00	2.26	0.00	0	0	0	100	0.00	0.0	4.092	0.043	0	0	0	0
PL.48806	PL.48805	A	#4 ACSR	7.37Y	122.8	0.00	2.25	0.98	1	7	2	96	0.00	0.0	3.803	0.001	0	0	0	2
PD.7483	PL.48806	A	25QA	7.37Y	122.8	0.00	2.25	0.98	4	7	2	96	0.00	0.0	3.803	0.001	0	0	0	2
PL.48807	PD.7483	A	#4 ACSR	7.37Y	122.8	0.00	2.25	0.98	1	7	2	96	0.00	0.0	3.860	0.057	7	2	2	2
PL.48808	PL.48805	C	#4 ACSR	7.37Y	122.8	0.00	2.25	1.36	1	10	2	98	0.00	0.0	3.803	0.001	0	0	0	2
PD.7460	PL.48808	C	25QA	7.37Y	122.8	0.00	2.25	1.36	5	10	2	98	0.00	0.0	3.803	0.001	0	0	0	2
PL.48810	PD.7460	C	#4 ACSR	7.36Y	122.7	0.01	2.25	1.36	1	10	2	98	0.00	0.0	3.909	0.107	3	1	1	2
PL.48811	PL.48810	C	#4 ACSR	7.36Y	122.7	0.00	2.25	0.97	1	7	2	96	0.00	0.0	3.963	0.053	7	2	1	1
PL.48792	PL.48791	A	#4 ACSR	7.37Y	122.8	0.00	2.22	6.89	5	50	11	98	0.00	0.0	3.541	0.001	0	0	0	9
PD.7363	PL.48792	A	25QA	7.37Y	122.8	0.00	2.22	6.89	28	50	11	98	0.00	0.0	3.541	0.001	0	0	0	9
PL.48793	PD.7363	A	#4 ACSR	7.37Y	122.8	0.00	2.22	6.89	5	50	11	98	0.00	0.0	3.552	0.012	19	4	2	9
PL.61692	PL.48793	A	#4 ACSR	7.37Y	122.8	0.02	2.24	4.30	3	31	7	98	0.00	0.0	3.644	0.092	1	0	1	7
PL.61693	PL.61692	A	#4 ACSR	7.37Y	122.8	0.00	2.25	4.13	3	30	7	97	0.00	0.0	3.684	0.040	19	4	3	6
PL.48795	PL.61693	A	#4 ACSR	7.37Y	122.8	0.00	2.25	1.43	1	10	2	98	0.00	0.0	3.752	0.068	10	2	3	3
PL.48789	PL.48788	A	#2 ACSR	7.37Y	122.8	0.00	2.21	1.49	1	11	2	98	0.00	0.0	3.463	0.001	0	0	0	1
PD.7597	PL.48789	A	25QA	7.37Y	122.8	0.00	2.21	1.49	6	11	2	98	0.00	0.0	3.463	0.001	0	0	0	1
PL.48790	PD.7597	A	#2 ACSR	7.37Y	122.8	0.00	2.21	1.49	1	11	2	98	0.00	0.0	3.499	0.037	11	2	1	1
PL.48780	PL.48779	A	#2 ACSR	7.37Y	122.8	0.00	2.17	0.74	0	5	1	98	0.00	0.0	3.225	0.001	0	0	0	1
PD.7362	PL.48780	A	25QA	7.37Y	122.8	0.00	2.17	0.74	3	5	1	98	0.00	0.0	3.225	0.001	0	0	0	1
PL.48781	PD.7362	A	#2 ACSR	7.37Y	122.8	0.00	2.17	0.74	0	5	1	98	0.00	0.0	3.265	0.040	5	1	1	1
PL.48782	PL.48779	A	#2 ACSR	7.37Y	122.8	0.00	2.17	1.31	1	9	2	98	0.00	0.0	3.225	0.001	0	0	0	2
PD.7390	PL.48782	A	25QA	7.37Y	122.8	0.00	2.17	1.31	5	9	2	98	0.00	0.0	3.225	0.001	0	0	0	2
PL.48783	PD.7390	A	#2 ACSR	7.37Y	122.8	0.00	2.17	1.31	1	9	2	98	0.00	0.0	3.302	0.077	9	2	2	2

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-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
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PL.46898	PL.48775	ABC	#1/0 ACSR	7.37Y	122.8	0.00	2.16	3.30	1	71	16	98	0.00	0.0	3.206	0.044	3	1	1	11
PL.48036	PL.46898	A	6 A (CWC)	7.37Y	122.8	0.05	2.21	9.47	7	68	15	98	0.03	0.0	3.332	0.125	0	0	0	10
PL.49115	PL.48036	A	6 A (CWC)	7.36Y	122.7	0.04	2.25	9.47	7	68	15	98	0.02	0.0	3.439	0.108	7	2	2	10
PL.49116	PL.49115	A	6 A (CWC)	7.36Y	122.7	0.07	2.33	8.51	6	61	14	97	0.03	0.1	3.626	0.186	0	0	0	8
PL.49117	PL.49116	A	6 A (CWC)	7.36Y	122.7	0.01	2.34	7.31	5	53	12	98	0.01	0.0	3.672	0.047	8	2	1	7
PL.49118	PL.49117	A	6 A (CWC)	7.36Y	122.6	0.05	2.39	6.14	4	44	10	98	0.02	0.0	3.850	0.178	0	0	0	6
PL.49122	PL.49118	A	#4 ACSR	7.36Y	122.6	0.01	2.39	1.65	1	12	3	97	0.00	0.0	3.929	0.079	0	0	0	2
PL.46747	PL.49122	A	#1/0 ACSR	7.36Y	122.6	0.00	2.40	0.95	0	7	2	96	0.00	0.0	4.012	0.083	7	2	1	1
PL.49123	PL.49122	A	#4 ACSR	7.36Y	122.6	0.00	2.40	0.70	1	5	1	98	0.00	0.0	4.026	0.097	5	1	1	1
PL.49119	PL.49118	A	#1/0 ACSR	7.36Y	122.6	0.00	2.39	4.49	2	32	7	98	0.00	0.0	3.878	0.028	17	4	2	4
PL.49120	PL.49119	A	#1/0 ACSR	7.36Y	122.6	0.00	2.39	2.11	1	15	3	98	0.00	0.0	3.944	0.065	9	2	1	2
PL.49121	PL.49120	A	#1/0 ACSR	7.36Y	122.6	0.00	2.39	0.91	0	7	1	99	0.00	0.0	3.953	0.009	7	1	1	1
PL.46746	PL.49119	A	#1/0 ACSR	7.36Y	122.6	0.00	2.39	0.00	0	0	0	100	0.00	0.0	3.894	0.015	0	0	0	0
PL.47521	PL.49116	A	#2 ACSR	7.36Y	122.7	0.00	2.33	1.20	1	9	2	98	0.00	0.0	3.692	0.066	9	2	1	1
PL.48770	PL.48506	ABC	336 MCM AC	7.38Y	123.0	0.01	2.02	56.30	11	1157	464	93	0.08	0.0	2.626	0.032	1	0	1	73
PL.52098	PL.48770	ABC	336 MCM AC	7.38Y	122.9	0.04	2.06	56.24	11	1155	464	93	0.24	0.0	2.715	0.088	0	0	0	72
PL.52099	PL.52098	ABC	336 MCM AC	7.37Y	122.9	0.03	2.10	56.24	11	1155	463	93	0.18	0.0	2.783	0.068	9	2	1	72
PL.48768	PL.52099	C	6 A (CWC)	7.37Y	122.9	0.00	2.10	2.64	2	19	4	98	0.00	0.0	2.784	0.001	0	0	0	2
PD.7464	PL.48768	C	75QA	7.37Y	122.9	0.00	2.10	2.64	4	19	4	98	0.00	0.0	2.784	0.001	0	0	0	2
PL.47294	PD.7464	C	6 A (CWC)	7.37Y	122.9	0.01	2.11	2.64	2	19	4	98	0.00	0.0	2.950	0.166	19	4	2	2
PL.48773	PL.47294	C	6 A (CWC)	7.37Y	122.9	0.00	2.11	0.00	0	0	0	100	0.00	0.0	3.179	0.229	0	0	0	0
PL.48769	PL.52099	ABC	336 MCM AC	7.37Y	122.8	0.06	2.15	54.97	11	1127	457	93	0.30	0.0	2.901	0.119	0	0	0	69
PL.47252	PL.48769	ABC	336 MCM AC	7.37Y	122.8	0.00	2.15	54.97	11	1127	456	93	0.01	0.0	2.905	0.003	0	0	0	69
PL.51715	PL.47252	ABC	336 MCM AC	7.37Y	122.8	0.00	2.15	54.97	11	1127	456	93	0.00	0.0	2.905	0.000	0	0	0	69
PD.7906	PL.51715	ABC	200VWE	7.37Y	122.8	0.00	2.15	54.97	0	1127	456	93	0.00	0.0	2.905	0.000	0	0	0	69
PL.52101	PD.7906	ABC	336 MCM AC	7.37Y	122.8	0.02	2.17	54.97	11	1127	456	93	0.11	0.0	2.949	0.044	9	2	1	69
PL.52100	PL.52101	ABC	#3/0 ACSR	7.35Y	122.4	0.40	2.58	54.57	18	1118	454	93	2.70	0.2	3.489	0.539	0	0	1	68
PL.48776	PL.52100	ABC	#3/0 ACSR	7.34Y	122.3	0.08	2.66	54.55	18	1115	450	93	0.53	0.0	3.594	0.106	0	0	0	67
PL.62121	PL.48776	B	#4 ACSR	7.34Y	122.3	0.00	2.66	0.00	0	0	0	100	0.00	0.0	3.597	0.003	0	0	0	0
PL.47818	PL.48776	ABC	#3/0 ACSR	7.34Y	122.3	0.06	2.72	53.52	18	1092	444	93	0.41	0.0	3.679	0.085	0	0	0	61
PL.47819	PL.47818	ABC	#3/0 ACSR	7.33Y	122.2	0.06	2.78	52.93	18	1078	441	93	0.36	0.0	3.756	0.077	3	1	1	59

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Balanced Voltage Drop Report  
Source: Brodhead

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.47817	PL.47819	ABC	#3/0 ACSR	7.33Y	122.2	0.05	2.83	52.78	18	1075	439	93	0.35	0.0	3.831	0.075	0	0	0	58
PL.47813	PL.47817	A	#4 ACSR	7.33Y	122.2	0.00	2.83	2.40	2	17	4	97	0.00	0.0	3.832	0.001	0	0	0	4
PD.7522	PL.47813	A	60QA	7.33Y	122.2	0.00	2.83	2.40	4	17	4	97	0.00	0.0	3.832	0.001	0	0	0	4
PL.47814	PD.7522	A	#4 ACSR	7.33Y	122.2	0.02	2.85	2.40	2	17	4	97	0.00	0.0	3.988	0.157	1	0	1	4
PL.47815	PL.47814	A	#4 ACSR	7.33Y	122.2	0.00	2.85	1.31	1	9	2	98	0.00	0.0	4.044	0.055	0	0	0	2
PL.47382	PL.47815	A	#4 ACSR	7.33Y	122.2	0.00	2.85	0.53	0	4	1	97	0.00	0.0	4.070	0.026	4	1	1	1
PL.47816	PL.47815	A	#4 ACSR	7.33Y	122.1	0.00	2.85	0.77	1	6	1	99	0.00	0.0	4.122	0.078	6	1	1	1
PL.47412	PL.47814	A	#4 ACSR	7.33Y	122.2	0.00	2.85	0.99	1	7	2	96	0.00	0.0	4.058	0.070	7	2	1	1
PL.58984	PL.47817	ABC	#3/0 ACSR	7.32Y	122.0	0.22	3.05	51.99	17	1057	435	92	1.39	0.1	4.138	0.307	7	1	1	54
PL.58985	PL.58984	ABC	#3/0 ACSR	7.31Y	121.9	0.06	3.11	51.69	17	1049	432	92	0.38	0.0	4.222	0.084	0	0	0	53
PL.57920	PL.58985	ABC	#3/0 ACSR	7.31Y	121.9	0.02	3.13	51.27	17	1040	429	92	0.13	0.0	4.252	0.030	0	0	0	52
PL.57917	PL.57920	ABC	#3/0 ACSR	7.30Y	121.7	0.15	3.28	51.27	17	1040	429	92	0.95	0.1	4.466	0.214	0	0	0	52
PL.57918	PL.57917	ABC	#3/0 ACSR	7.30Y	121.7	0.03	3.31	50.92	17	1031	426	92	0.19	0.0	4.509	0.044	0	0	0	51
PL.51559	PL.57918	ABC	#3/0 ACSR	7.30Y	121.7	0.00	3.31	50.92	17	1031	425	92	0.01	0.0	4.511	0.002	0	0	0	51
PL.51560	PL.51559	ABC	#3/0 ACSR	7.29Y	121.6	0.13	3.44	50.92	17	1031	425	92	0.81	0.1	4.697	0.186	0	0	0	51
PL.51557	PL.51560	ABC	#3/0 ACSR	7.29Y	121.6	0.00	3.44	0.79	0	17	4	97	0.00	0.0	4.753	0.056	17	4	2	2
PL.51558	PL.51560	ABC	#3/0 ACSR	7.29Y	121.5	0.07	3.52	50.15	17	1013	421	92	0.44	0.0	4.802	0.105	0	0	0	49
PL.48822	PL.51558	A	6 A (CWC)	7.29Y	121.5	0.00	3.52	0.00	0	0	0	100	0.00	0.0	4.805	0.003	0	0	0	0
PD.7467	PL.48822	A	60QA	7.29Y	121.5	0.00	3.52	0.00	0	0	0	100	0.00	0.0	4.805	0.003	0	0	0	0
PL.46906	PD.7467	A	6 A (CWC)	7.29Y	121.5	0.00	3.52	0.00	0	0	0	100	0.00	0.0	4.994	0.189	0	0	0	0
PL.46739	PL.46906	A	#4 ACSR	7.29Y	121.5	0.00	3.52	0.00	0	0	0	100	0.00	0.0	5.048	0.054	0	0	0	0
PL.46730	PL.46906	A	6 A (CWC)	7.29Y	121.5	0.00	3.52	0.00	0	0	0	100	0.00	0.0	5.060	0.066	0	0	0	0
PL.48820	PL.51558	ABC	#3/0 ACSR	7.29Y	121.4	0.05	3.56	50.15	17	1013	420	92	0.28	0.0	4.868	0.066	0	0	0	49
PL.48821	PL.48820	ABC	#3/0 ACSR	7.28Y	121.3	0.12	3.68	50.15	17	1013	419	92	0.71	0.1	5.035	0.167	0	0	0	49
PL.48196	PL.48821	ABC	#3/0 ACSR	7.27Y	121.2	0.15	3.82	50.15	17	1012	418	92	0.89	0.1	5.246	0.211	0	0	0	48
PL.48195	PL.48196	ABC	#3/0 ACSR	7.27Y	121.2	0.02	3.84	20.76	7	408	197	90	0.04	0.0	5.298	0.052	0	0	0	3
PL.48215	PL.48195	ABC	#3/0 ACSR	7.27Y	121.2	0.00	3.84	20.76	7	408	197	90	0.01	0.0	5.307	0.010	0	0	0	3
PL.48216	PL.48215	ABC	#3/0 ACSR	7.27Y	121.2	0.00	3.84	20.76	7	408	197	90	0.00	0.0	5.308	0.000	0	0	0	3
PD.7181-A	PL.48216	ABC	Closed	7.27Y	121.2	0.00	3.84	20.76	0	408	197	90	0.00	0.0	5.308	0.000	0	0	0	3
PD.7181-B	PD.7181-A	ABC	Closed	7.27Y	121.2	0.00	3.84	20.76	0	408	197	90	0.00	0.0	5.308	0.000	0	0	0	3
PL.57861	PD.7181-B	ABC	336 MCM AC	7.27Y	121.1	0.01	3.85	20.76	4	408	197	90	0.01	0.0	5.347	0.039	3	1	1	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

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
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PL.57860	PL.57861	ABC	336 MCM AC	7.27Y	121.1	0.01	3.86	20.64	4	405	196	90	0.02	0.0	5.416	0.069	0	0	0	2
PL.57859	PL.57860	ABC	336 MCM AC	7.27Y	121.1	0.04	3.90	20.64	4	405	196	90	0.07	0.0	5.613	0.197	0	0	0	2
PL.57858	PL.57859	ABC	#4 ACSR	7.27Y	121.1	0.01	3.91	20.64	16	405	196	90	0.03	0.0	5.642	0.029	404	196	1	2
PL.57740	PL.57858	ABC	#4 ACSR	7.27Y	121.1	0.00	3.91	0.03	0	1	0	100	0.00	0.0	5.672	0.030	1	0	1	1
PL.57741	PL.57740	ABC	#4 ACSR	7.27Y	121.1	0.00	3.91	0.00	0	0	0	100	0.00	0.0	5.701	0.030	0	0	0	0
PL.58898	PL.57859	ABC	336 MCM AC	7.27Y	121.1	0.00	3.90	0.00	0	0	0	100	0.00	0.0	5.653	0.040	0	0	0	0
PD.8750-B	PL.58898	ABC	Open	7.27Y	121.1	0.00	3.90	0.00	0	0	0	100	0.00	0.0	5.653	0.040	0	0	0	0
PL.48826	PL.48196	ABC	336 MCM AC	7.27Y	121.2	0.02	3.84	29.44	6	603	220	94	0.05	0.0	5.316	0.070	0	0	0	45
PL.48827	PL.48826	ABC	336 MCM AC	7.27Y	121.1	0.02	3.86	29.44	6	603	220	94	0.05	0.0	5.380	0.064	0	0	0	45
PL.48823	PL.48827	ABC	#2 ACSR	7.27Y	121.1	0.01	3.87	10.58	6	216	80	94	0.02	0.0	5.432	0.053	84	19	1	3
PL.48834	PL.48823	ABC	#2 ACSR	7.27Y	121.1	0.01	3.87	6.70	4	132	62	91	0.01	0.0	5.471	0.039	0	0	0	2
PL.48836	PL.48834	ABC	3/0 AL URD	7.27Y	121.1	0.00	3.88	6.70	3	132	62	91	0.00	0.0	5.472	0.001	0	0	0	2
PD.7485	PL.48836	ABC	60QA	7.27Y	121.1	0.00	3.88	6.70	11	132	62	91	0.00	0.0	5.472	0.001	0	0	0	2
PL.48837	PD.7485	ABC	350 MCM AL	7.27Y	121.1	0.00	3.88	6.70	2	132	62	91	0.00	0.0	5.617	0.145	132	64	2	2
PL.48835	PL.48834	ABC	#2 ACSR	7.27Y	121.1	0.00	3.87	0.00	0	0	0	100	0.00	0.0	5.478	0.006	0	0	0	0
PL.48828	PL.48827	ABC	336 MCM AC	7.27Y	121.1	0.01	3.87	18.87	4	387	140	94	0.02	0.0	5.438	0.059	0	0	0	42
PL.48830	PL.48828	ABC	#1/0 ACSR	7.27Y	121.1	0.01	3.87	3.75	2	74	36	90	0.00	0.0	5.538	0.099	0	0	0	2
PD.7573	PL.48830	ABC	60QA	7.27Y	121.1	0.00	3.87	3.75	6	74	36	90	0.00	0.0	5.538	0.099	0	0	0	2
PL.48831	PD.7573	ABC	#1/0 ACSR	7.27Y	121.1	0.00	3.87	3.75	2	74	36	90	0.00	0.0	5.539	0.001	74	36	2	2
PL.48832	PL.48828	ABC	#2 ACSR	7.27Y	121.1	0.00	3.87	2.26	1	44	22	89	0.00	0.0	5.466	0.028	0	0	0	1
PD.7469	PL.48832	ABC	70QA	7.27Y	121.1	0.00	3.87	2.26	0	44	22	89	0.00	0.0	5.466	0.028	0	0	0	1
PL.48833	PD.7469	ABC	#2 ACSR	7.27Y	121.1	0.00	3.87	2.26	1	44	22	89	0.00	0.0	5.467	0.001	44	22	1	1
PL.48829	PL.48828	ABC	336 MCM AC	7.27Y	121.1	0.01	3.87	12.91	2	269	83	96	0.01	0.0	5.495	0.057	0	0	0	39
PL.48217	PL.48829	ABC	336 MCM AC	7.27Y	121.1	0.00	3.87	12.91	2	269	82	96	0.00	0.0	5.496	0.001	0	0	0	39
PD.7553	PL.48217	ABC	70L	7.27Y	121.1	0.00	3.87	12.91	18	269	82	96	0.00	0.0	5.496	0.001	0	0	0	39
PL.48218	PD.7553	ABC	336 MCM AC	7.27Y	121.1	0.00	3.88	12.91	2	269	82	96	0.01	0.0	5.539	0.044	0	0	0	39
PL.57239	PL.48218	ABC	#1/0 ACSR	7.27Y	121.1	0.00	3.88	4.30	2	84	41	90	0.00	0.0	5.581	0.041	84	41	1	1
PL.48219	PL.48218	ABC	336 MCM AC	7.27Y	121.1	0.00	3.88	8.68	2	185	42	98	0.00	0.0	5.576	0.037	0	0	0	38
PL.46911	PL.48219	B	#4 ACSR	7.27Y	121.1	0.00	3.88	0.00	0	0	0	100	0.00	0.0	5.588	0.011	0	0	0	0
PL.48220	PL.48219	ABC	336 MCM AC	7.27Y	121.1	0.01	3.89	8.68	2	185	42	98	0.01	0.0	5.799	0.223	0	0	0	38
PL.47697	PL.48220	ABC	336 MCM AC	7.27Y	121.1	0.02	3.92	8.07	2	172	39	98	0.02	0.0	6.234	0.435	0	0	0	36

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.62526	PL.47697	ABC	#2 ACSR	7.26Y	121.1	0.00	3.92	0.51	0	11	2	98	0.00	0.0	6.383	0.149	0	0	0	8
PL.62527	PL.62526	ABC	#2 ACSR	7.26Y	121.1	0.00	3.92	0.51	0	11	2	98	0.00	0.0	6.554	0.171	0	0	0	8
PL.62525	PL.62527	ABC	#2 ACSR	7.26Y	121.1	0.01	3.93	0.51	0	11	2	98	0.00	0.0	7.235	0.681	0	0	0	8
PL.47220	PL.62525	ABC	#2 ACSR	7.26Y	121.1	0.00	3.93	0.41	0	9	2	98	0.00	0.0	7.319	0.084	9	2	5	5
PL.47221	PL.47220	ABC	#2 ACSR	7.26Y	121.1	0.00	3.93	0.00	0	0	0	100	0.00	0.0	7.397	0.078	0	0	0	0
PL.62168	PL.47221	ABC	#2 ACSR	7.26Y	121.1	0.00	3.93	0.00	0	0	0	100	0.00	0.0	7.400	0.003	0	0	0	0
PD.9279-A	PL.62168	ABC	Open	7.26Y	121.1	0.00	3.93	0.00	0	0	0	100	0.00	0.0	7.400	0.003	0	0	0	0
PL.47219	PL.62525	B	6 A (CWC)	7.26Y	121.1	0.00	3.93	0.31	0	2	0	100	0.00	0.0	7.240	0.005	0	0	0	3
PD.7523	PL.47219	B	60QA	7.26Y	121.1	0.00	3.93	0.31	1	2	0	100	0.00	0.0	7.240	0.005	0	0	0	3
PL.48849	PD.7523	B	6 A (CWC)	7.26Y	121.1	0.00	3.93	0.31	0	2	0	100	0.00	0.0	7.397	0.157	0	0	0	3
PL.48850	PL.48849	B	6 A (CWC)	7.26Y	121.1	0.00	3.93	0.31	0	2	0	100	0.00	0.0	7.537	0.139	0	0	0	3
PL.47663	PL.48850	B	6 A (CWC)	7.26Y	121.1	0.00	3.93	0.08	0	1	0	100	0.00	0.0	7.665	0.129	1	0	2	2
PL.48851	PL.48850	B	6 A (CWC)	7.26Y	121.1	0.00	3.93	0.22	0	2	0	100	0.00	0.0	7.701	0.164	0	0	0	1
PL.46732	PL.48851	B	6 A (CWC)	7.26Y	121.1	0.00	3.93	0.22	0	2	0	100	0.00	0.0	7.826	0.126	2	0	1	1
PL.47525	PL.47697	C	6 A (CWC)	7.26Y	121.0	0.07	3.98	22.68	16	161	36	98	0.08	0.1	6.302	0.067	0	0	0	28
PL.47425	PL.47525	C	6 A (CWC)	7.26Y	121.0	0.00	3.99	22.68	16	161	36	98	0.00	0.0	6.305	0.004	0	0	0	28
PD.7554	PL.47425	C	35L	7.26Y	121.0	0.00	3.99	22.68	65	161	36	98	0.00	0.0	6.305	0.004	0	0	0	28
PL.47426	PD.7554	C	6 A (CWC)	7.24Y	120.6	0.43	4.42	22.68	16	161	36	98	0.52	0.3	6.724	0.419	0	0	0	28
PL.47743	PL.47426	C	6 A (CWC)	7.22Y	120.3	0.27	4.68	17.72	13	125	28	98	0.26	0.2	7.059	0.334	0	0	0	23
PL.45987	PL.47743	C	6 A (CWC)	7.22Y	120.3	0.00	4.68	0.39	0	3	1	95	0.00	0.0	7.165	0.107	3	1	1	1
PL.47744	PL.47743	C	6 A (CWC)	7.20Y	120.1	0.25	4.93	17.32	12	122	27	98	0.23	0.2	7.379	0.321	0	0	0	22
PL.57511	PL.47744	C	6 A (CWC)	7.20Y	120.1	0.00	4.93	4.40	3	31	7	98	0.00	0.0	7.384	0.004	0	0	0	4
PD.8510	PL.57511	C	40QA	7.20Y	120.1	0.00	4.93	4.40	11	31	7	98	0.00	0.0	7.384	0.004	0	0	0	4
PL.57512	PD.8510	C	6 A (CWC)	7.20Y	120.1	0.01	4.94	4.40	3	31	7	98	0.00	0.0	7.428	0.044	0	0	0	4
PL.46935	PL.57512	C	6 A (CWC)	7.20Y	120.1	0.01	4.95	1.68	1	12	3	97	0.00	0.0	7.535	0.107	5	1	1	2
PL.46936	PL.46935	C	6 A (CWC)	7.20Y	120.0	0.01	4.96	0.99	1	7	2	96	0.00	0.0	7.862	0.327	7	2	1	1
PL.46937	PL.57512	C	6 A (CWC)	7.20Y	120.0	0.01	4.95	2.72	2	19	4	98	0.00	0.0	7.534	0.107	7	1	1	2
PL.48221	PL.46937	C	6 A (CWC)	7.20Y	120.0	0.01	4.96	1.78	1	13	3	97	0.00	0.0	7.756	0.221	13	3	1	1
PL.57513	PL.47744	C	6 A (CWC)	7.20Y	120.1	0.00	4.93	4.27	3	30	7	97	0.00	0.0	7.383	0.003	0	0	0	4
PD.8511	PL.57513	C	40QA	7.20Y	120.1	0.00	4.93	4.27	11	30	7	97	0.00	0.0	7.383	0.003	0	0	0	4
PL.57514	PD.8511	C	6 A (CWC)	7.20Y	120.0	0.02	4.96	4.27	3	30	7	97	0.01	0.0	7.505	0.123	0	0	0	4

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Balanced Voltage Drop Report  
Source: Brodhead

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

-----																				
Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
-----																				
PL.47423	PL.57514	C	6 A (CWC)	7.20Y	120.0	0.01	4.96	2.43	2	17	4	97	0.00	0.0	7.576	0.071	0	0	0	1
PL.45988	PL.47423	C	6 A (CWC)	7.20Y	120.0	0.00	4.96	0.00	0	0	0	100	0.00	0.0	7.595	0.019	0	0	0	0
PL.47424	PL.47423	C	6 A (CWC)	7.20Y	120.0	0.01	4.97	2.43	2	17	4	97	0.00	0.0	7.736	0.160	17	4	1	1
PL.46731	PL.57514	C	6 A (CWC)	7.20Y	120.0	0.00	4.96	0.34	0	2	1	89	0.00	0.0	7.559	0.054	2	1	1	1
PL.46806	PL.57514	C	6 A (CWC)	7.20Y	120.0	0.02	4.97	1.50	1	11	2	98	0.00	0.0	7.776	0.271	2	0	1	2
PL.64060	PL.46806	C	#1/0 ACSR	7.20Y	120.0	0.00	4.98	1.19	1	8	2	97	0.00	0.0	7.909	0.133	8	2	1	1
PL.48222	PL.47744	C	6 A (CWC)	7.20Y	119.9	0.15	5.08	8.66	6	61	14	97	0.07	0.1	7.761	0.382	0	0	0	14
PL.48224	PL.48222	C	6 A (CWC)	7.19Y	119.8	0.15	5.23	7.13	5	50	11	98	0.06	0.1	8.212	0.452	0	0	0	12
PL.48225	PL.48224	C	6 A (CWC)	7.18Y	119.7	0.06	5.28	7.13	5	50	11	98	0.02	0.0	8.392	0.180	0	0	0	12
PL.57508	PL.48225	C	6 A (CWC)	7.18Y	119.7	0.00	5.29	1.36	1	10	2	98	0.00	0.0	8.454	0.062	0	0	0	2
PD.8508	PL.57508	C	15T	7.18Y	119.7	0.00	5.29	1.36	0	10	2	98	0.00	0.0	8.454	0.062	0	0	0	2
PL.57509	PD.8508	C	6 A (CWC)	7.18Y	119.7	0.01	5.29	1.36	1	10	2	98	0.00	0.0	8.655	0.201	10	2	2	2
PL.57507	PL.57509	C	6 A (CWC)	7.18Y	119.7	0.00	5.29	0.00	0	0	0	100	0.00	0.0	8.799	0.144	0	0	0	0
PL.58199	PL.48225	C	6 A (CWC)	7.18Y	119.7	0.00	5.29	5.78	4	41	9	98	0.00	0.0	8.395	0.003	0	0	0	10
PD.8679	PL.58199	C	15T	7.18Y	119.7	0.00	5.29	5.78	0	41	9	98	0.00	0.0	8.395	0.003	0	0	0	10
PL.58981	PD.8679	C	6 A (CWC)	7.18Y	119.7	0.04	5.32	5.78	4	41	9	98	0.01	0.0	8.533	0.139	0	0	1	10
PL.58980	PL.58981	C	6 A (CWC)	7.18Y	119.6	0.08	5.40	5.78	4	41	9	98	0.03	0.1	8.842	0.309	0	0	0	9
PL.62492	PL.58980	C	6 A (CWC)	7.18Y	119.6	0.00	5.40	4.67	3	33	7	98	0.00	0.0	8.846	0.003	0	0	0	5
PD.9357	PL.62492	C	15T	7.18Y	119.6	0.00	5.40	4.67	0	33	7	98	0.00	0.0	8.846	0.003	0	0	0	5
PL.65273	PD.9357	C	6 A (CWC)	7.17Y	119.6	0.04	5.44	4.67	3	33	7	98	0.01	0.0	9.049	0.203	0	0	0	5
PL.65274	PL.65273	C	6 A (CWC)	7.17Y	119.5	0.01	5.46	4.67	3	33	7	98	0.00	0.0	9.122	0.074	4	1	1	4
PL.48842	PL.65274	C	6 A (CWC)	7.17Y	119.5	0.01	5.47	1.13	1	8	2	97	0.00	0.0	9.399	0.276	0	0	0	1
PL.47373	PL.48842	C	6 A (CWC)	7.17Y	119.5	0.00	5.47	0.00	0	0	0	100	0.00	0.0	9.723	0.324	0	0	0	0
PL.48843	PL.48842	C	6 A (CWC)	7.17Y	119.5	0.01	5.48	1.13	1	8	2	97	0.00	0.0	9.611	0.212	0	0	0	1
PL.48844	PL.48843	C	6 A (CWC)	7.17Y	119.5	0.03	5.52	1.13	1	8	2	97	0.00	0.0	10.239	0.628	0	0	0	1
PL.48845	PL.48844	C	6 A (CWC)	7.17Y	119.5	0.00	5.52	1.13	1	8	2	97	0.00	0.0	10.284	0.045	0	0	0	1
PL.47699	PL.48845	C	6 A (CWC)	7.17Y	119.5	0.00	5.52	0.00	0	0	0	100	0.00	0.0	10.445	0.161	0	0	0	0
PL.48846	PL.48845	C	6 A (CWC)	7.17Y	119.5	0.01	5.52	1.13	1	8	2	97	0.00	0.0	10.407	0.123	0	0	0	1
PL.48847	PL.48846	C	6 A (CWC)	7.17Y	119.5	0.00	5.53	1.13	1	8	2	97	0.00	0.0	10.494	0.087	0	0	0	1
PL.47700	PL.48847	C	6 A (CWC)	7.17Y	119.5	0.00	5.53	0.00	0	0	0	100	0.00	0.0	10.568	0.074	0	0	0	0
PL.48848	PL.48847	C	6 A (CWC)	7.17Y	119.5	0.00	5.53	1.13	1	8	2	97	0.00	0.0	10.545	0.050	8	2	1	1

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Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.47372	PL.65274	C	6 A (CWC)	7.17Y	119.5	0.01	5.47	2.99	2	21	5	97	0.00	0.0	9.211	0.089	21	5	2	2
PL.65272	PL.65273	C	#1/0 ACSR	7.17Y	119.6	0.00	5.44	0.00	0	0	0	100	0.00	0.0	9.072	0.024	0	0	0	1
PL.65275	PL.65272	C	#1/0 ACSR	7.17Y	119.6	0.00	5.44	0.00	0	0	0	100	0.00	0.0	9.129	0.057	0	0	1	1
PL.48227	PL.58980	C	6 A (CWC)	7.18Y	119.6	0.01	5.41	1.11	1	8	2	97	0.00	0.0	8.964	0.121	0	0	1	4
PL.48175	PL.48227	C	6 A (CWC)	7.18Y	119.6	0.00	5.41	0.00	0	0	0	100	0.00	0.0	8.964	0.001	0	0	0	0
PL.48176	PL.48175	C	6 A (CWC)	7.18Y	119.6	0.00	5.41	0.00	0	0	0	100	0.00	0.0	9.113	0.148	0	0	0	0
PL.48228	PL.48227	C	6 A (CWC)	7.18Y	119.6	0.00	5.41	1.11	1	8	2	97	0.00	0.0	8.964	0.000	0	0	0	3
PL.48226	PL.48228	C	6 A (CWC)	7.18Y	119.6	0.00	5.41	1.11	1	8	2	97	0.00	0.0	9.089	0.125	4	1	1	3
PL.48229	PL.48226	C	6 A (CWC)	7.18Y	119.6	0.00	5.41	0.47	0	3	1	95	0.00	0.0	9.129	0.040	0	0	0	2
PL.48230	PL.48229	C	6 A (CWC)	7.18Y	119.6	0.00	5.41	0.47	0	3	1	95	0.00	0.0	9.183	0.054	3	1	1	2
PL.48231	PL.48230	C	6 A (CWC)	7.18Y	119.6	0.00	5.41	0.07	0	0	0	100	0.00	0.0	9.208	0.025	0	0	1	1
PL.47717	PL.48224	C	6 A (CWC)	7.19Y	119.8	0.00	5.23	0.00	0	0	0	100	0.00	0.0	8.334	0.122	0	0	0	0
PL.57502	PL.48222	C	#4 ACSR	7.19Y	119.9	0.01	5.09	1.53	1	11	2	98	0.00	0.0	7.836	0.075	0	0	0	2
PD.8506	PL.57502	C	40QA	7.19Y	119.9	0.00	5.09	1.53	4	11	2	98	0.00	0.0	7.836	0.075	0	0	0	2
PL.57503	PD.8506	C	#4 ACSR	7.19Y	119.9	0.00	5.09	1.53	1	11	2	98	0.00	0.0	7.840	0.003	10	2	1	2
PL.48223	PL.57503	C	#4 ACSR	7.19Y	119.9	0.00	5.09	0.04	0	0	0	100	0.00	0.0	7.942	0.102	0	0	1	1
PL.56159	PL.47426	C	#4 ACSR	7.24Y	120.6	0.00	4.42	4.96	4	35	8	97	0.00	0.0	6.726	0.002	0	0	0	5
PD.8295	PL.56159	C	50QA	7.24Y	120.6	0.00	4.42	4.96	10	35	8	97	0.00	0.0	6.726	0.002	0	0	0	5
PL.57504	PD.8295	C	#4 ACSR	7.23Y	120.5	0.05	4.47	4.96	4	35	8	97	0.01	0.0	6.952	0.226	0	0	1	5
PL.57505	PL.57504	C	#4 ACSR	7.23Y	120.5	0.00	4.47	4.93	4	35	8	97	0.00	0.0	6.956	0.004	0	0	0	4
PD.8507	PL.57505	C	40QA	7.23Y	120.5	0.00	4.47	4.93	12	35	8	97	0.00	0.0	6.956	0.004	0	0	0	4
PL.57506	PD.8507	C	#4 ACSR	7.23Y	120.5	0.04	4.50	4.93	4	35	8	97	0.01	0.0	7.127	0.172	0	0	0	4
PL.47455	PL.57506	C	#4 ACSR	7.23Y	120.5	0.00	4.50	4.93	4	35	8	97	0.00	0.0	7.128	0.001	11	2	1	4
PL.47456	PL.47455	C	#4 ACSR	7.23Y	120.5	0.01	4.51	3.37	3	24	5	98	0.00	0.0	7.173	0.045	0	0	0	3
PL.47564	PL.47456	C	#4 ACSR	7.23Y	120.5	0.01	4.52	1.52	1	11	2	98	0.00	0.0	7.340	0.167	3	1	1	2
PL.47563	PL.47564	C	#4 ACSR	7.23Y	120.5	0.00	4.52	1.03	1	7	2	96	0.00	0.0	7.490	0.150	7	2	1	1
PL.47524	PL.47456	C	#4 ACSR	7.23Y	120.5	0.01	4.52	1.85	1	13	3	97	0.00	0.0	7.323	0.150	13	3	1	1
PL.47274	PL.48220	A	6 A (CWC)	7.27Y	121.1	0.00	3.89	1.83	1	13	3	97	0.00	0.0	5.801	0.001	0	0	0	2
PD.7470	PL.47274	A	60QA	7.27Y	121.1	0.00	3.89	1.83	3	13	3	97	0.00	0.0	5.801	0.001	0	0	0	2
PL.47275	PD.7470	A	6 A (CWC)	7.27Y	121.1	0.01	3.90	1.83	1	13	3	97	0.00	0.0	5.964	0.164	0	0	0	2
PL.47280	PL.47275	A	6 A (CWC)	7.27Y	121.1	0.00	3.91	1.16	1	8	2	97	0.00	0.0	6.007	0.042	8	2	1	1

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.47281	PL.47280	A	6 A (CWC)	7.27Y	121.1	0.00	3.91	0.00	0	0	0	100	0.00	0.0	6.048	0.042	0	0	0	0
PL.46905	PL.47281	A	6 A (CWC)	7.27Y	121.1	0.00	3.91	0.00	0	0	0	100	0.00	0.0	6.049	0.001	0	0	0	0
PL.48253	PL.46905	A	6 A (CWC)	7.27Y	121.1	0.00	3.91	0.00	0	0	0	100	0.00	0.0	6.099	0.050	0	0	0	0
PL.47768	PL.47275	A	6 A (CWC)	7.27Y	121.1	0.00	3.91	0.67	0	5	1	98	0.00	0.0	5.988	0.024	5	1	1	1
PL.48197	PL.48821	A	#2 ACSR	7.28Y	121.3	0.00	3.68	0.00	0	0	0	100	0.00	0.0	5.036	0.001	0	0	0	1
PD.7468	PL.48197	A	60QA	7.28Y	121.3	0.00	3.68	0.00	0	0	0	100	0.00	0.0	5.036	0.001	0	0	0	1
PL.48198	PD.7468	A	#2 ACSR	7.28Y	121.3	0.00	3.68	0.00	0	0	0	100	0.00	0.0	5.131	0.094	0	0	1	1
CP.78	PL.51559	ABC	Cap (300)	7.30Y	121.7	0.00	3.31	0.00	0	0	0	100	0.00	0.0	4.511	0.094	0	0	0	0
PL.57919	PL.57917	C	#1/0 ACSR	7.30Y	121.7	0.00	3.28	1.05	0	8	2	97	0.00	0.0	4.559	0.093	8	2	1	1
PL.47691	PL.57920	A	#4 ACSR	7.31Y	121.9	0.00	3.13	0.00	0	0	0	100	0.00	0.0	4.336	0.084	0	0	0	0
PL.57921	PL.58985	C	#1/0 ACSR	7.31Y	121.9	0.00	3.11	1.29	1	9	2	98	0.00	0.0	4.545	0.323	9	2	1	1
PL.48232	PL.47818	C	#4 ACSR	7.34Y	122.3	0.00	2.72	1.80	1	13	3	97	0.00	0.0	3.680	0.001	0	0	0	2
PD.7466	PL.48232	C	25T	7.34Y	122.3	0.00	2.72	1.80	0	13	3	97	0.00	0.0	3.680	0.001	0	0	0	2
PL.48233	PD.7466	C	#4 ACSR	7.34Y	122.3	0.01	2.73	1.80	1	13	3	97	0.00	0.0	3.776	0.096	7	1	1	2
PL.48234	PL.48233	C	#4 ACSR	7.34Y	122.3	0.00	2.73	0.88	1	6	1	99	0.00	0.0	3.839	0.063	6	1	1	1
PL.48241	PL.48776	C	6 A (CWC)	7.34Y	122.3	0.00	2.66	0.09	0	1	0	100	0.00	0.0	3.595	0.001	0	0	0	1
PD.7572	PL.48241	C	60QA	7.34Y	122.3	0.00	2.66	0.09	0	1	0	100	0.00	0.0	3.595	0.001	0	0	0	1
PL.61965	PD.7572	C	6 A (CWC)	7.34Y	122.3	0.00	2.66	0.09	0	1	0	100	0.00	0.0	3.671	0.076	1	0	1	1
PL.48239	PL.48776	A	#4 ACSR	7.34Y	122.3	0.00	2.66	3.07	2	22	5	98	0.00	0.0	3.595	0.001	0	0	0	5
PD.7465	PL.48239	A	25T	7.34Y	122.3	0.00	2.66	3.07	0	22	5	98	0.00	0.0	3.595	0.001	0	0	0	5
PL.48240	PD.7465	A	#4 ACSR	7.34Y	122.3	0.02	2.68	3.07	2	22	5	98	0.00	0.0	3.791	0.196	6	1	2	5
PL.48235	PL.48240	A	#4 ACSR	7.34Y	122.3	0.00	2.68	1.14	1	8	2	97	0.00	0.0	3.852	0.061	8	2	1	1
PL.48236	PL.48240	A	6 A (CWC)	7.34Y	122.3	0.00	2.68	1.11	1	8	2	97	0.00	0.0	3.831	0.040	0	0	0	2
PL.48237	PL.48236	A	6 A (CWC)	7.34Y	122.3	0.00	2.69	1.11	1	8	2	97	0.00	0.0	3.984	0.153	6	1	1	2
PL.48238	PL.48237	A	6 A (CWC)	7.34Y	122.3	0.00	2.69	0.24	0	2	0	100	0.00	0.0	4.020	0.036	2	0	1	1
PL.48507	PL.52097	C	#2 ACSR	7.38Y	123.0	0.00	1.97	1.12	1	8	2	97	0.00	0.0	2.525	0.001	0	0	0	1
PD.7343	PL.48507	C	20T	7.38Y	123.0	0.00	1.97	1.12	0	8	2	97	0.00	0.0	2.525	0.001	0	0	0	1
PL.48508	PD.7343	C	#2 ACSR	7.38Y	123.0	0.00	1.97	1.12	1	8	2	97	0.00	0.0	2.574	0.050	8	2	1	1
PL.52089	PL.58640	A	#4 ACSR	7.43Y	123.8	0.00	1.20	0.46	0	3	1	95	0.00	0.0	1.474	0.004	0	0	0	3
PD.7341	PL.52089	A	75QA	7.43Y	123.8	0.00	1.20	0.46	1	3	1	95	0.00	0.0	1.474	0.004	0	0	0	3
PL.47956	PD.7341	A	#4 ACSR	7.43Y	123.8	0.00	1.20	0.46	0	3	1	95	0.00	0.0	1.666	0.192	3	1	2	3

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-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
-----																				
PL.47957	PL.47956	A	#4 ACSR	7.43Y	123.8	0.00	1.20	0.05	0	0	0	100	0.00	0.0	1.895	0.229	0	0	1	1
PL.58609	PL.58611	A	#4 ACSR	7.45Y	124.2	0.00	0.77	1.83	1	13	3	97	0.00	0.0	0.942	0.002	0	0	0	2
PD.8625	PL.58609	A	15T	7.45Y	124.2	0.00	0.77	1.83	0	13	3	97	0.00	0.0	0.942	0.002	0	0	0	2
PL.58599	PD.8625	A	#4 ACSR	7.45Y	124.2	0.00	0.77	1.83	1	13	3	97	0.00	0.0	1.042	0.100	13	3	1	2
PL.58600	PL.58599	A	#4 ACSR	7.45Y	124.2	0.00	0.77	0.00	0	0	0	100	0.00	0.0	1.085	0.043	0	0	1	1
PL.58888	PL.58891	ABC	336 MCM AC	7.46Y	124.4	0.00	0.63	0.00	0	0	0	100	0.00	0.0	0.775	0.002	0	0	0	0
PD.8623-A	PL.58888	ABC	Open	7.46Y	124.4	0.00	0.63	0.00	0	0	0	100	0.00	0.0	0.775	0.002	0	0	0	0
PL.58603	PL.58853	B	#1/0 ACSR	7.48Y	124.7	0.00	0.31	0.43	0	3	1	95	0.00	0.0	0.426	0.054	3	1	1	1
PL.58388	PL.58603	B	#1/0 ACSR	7.48Y	124.7	0.00	0.31	0.00	0	0	0	100	0.00	0.0	0.488	0.061	0	0	0	0
PL.58389	Brodhead	ABC	#3/0 ACSR	7.50Y	125.0	0.02	0.02	237.27	79	5015	1830	94	0.60	0.0	0.006	0.006	0	0	0	609
PL.58387	PL.58389	ABC	#3/0 ACSR	7.50Y	125.0	0.02	0.04	237.27	79	5015	1829	94	0.47	0.0	0.011	0.005	0	0	0	609
----- Feeder No. 1 (Brindleridge F1) Beginning with Device PD.8712 -----																				
PD.8712	PL.58387	ABC	400VWE	7.50Y	125.0	0.00	0.04	237.27	0	5014	1828	94	0.00	0.0	0.011	0.005	0	0	0	609
PL.58386	PD.8712	ABC	336 MCM AC	7.49Y	124.8	0.14	0.18	237.27	46	5014	1828	94	3.49	0.1	0.085	0.074	5	1	1	609
PL.58385	PL.58386	ABC	336 MCM AC	7.48Y	124.7	0.08	0.26	234.74	45	4955	1807	94	2.03	0.0	0.129	0.044	5	1	1	600
PL.56194	PL.58385	ABC	336 MCM AC	7.47Y	124.6	0.17	0.43	234.52	45	4948	1802	94	4.16	0.1	0.219	0.090	7	2	2	599
PL.48177	PL.56194	ABC	336 MCM AC	7.47Y	124.4	0.13	0.57	234.20	45	4937	1790	94	3.24	0.1	0.289	0.070	1	0	1	597
PL.48178	PL.48177	ABC	336 MCM AC	7.46Y	124.3	0.18	0.75	234.15	45	4932	1782	94	4.41	0.1	0.384	0.096	5	1	1	596
PL.49465	PL.48178	ABC	336 MCM AC	7.45Y	124.2	0.08	0.83	233.91	45	4923	1771	94	1.99	0.0	0.427	0.043	0	0	0	595
PL.49466	PL.49465	ABC	336 MCM AC	7.45Y	124.2	0.00	0.83	233.91	45	4921	1766	94	0.04	0.0	0.428	0.001	18	4	2	595
PL.48258	PL.49466	ABC	336 MCM AC	7.44Y	124.0	0.16	0.99	233.11	45	4903	1762	94	3.94	0.1	0.515	0.086	8	2	1	593
PL.48259	PL.48258	ABC	336 MCM AC	7.44Y	123.9	0.07	1.07	232.46	45	4885	1750	94	1.81	0.0	0.554	0.040	16	4	2	591
PL.46932	PL.48259	ABC	336 MCM AC	7.43Y	123.8	0.09	1.16	231.73	45	4867	1742	94	2.09	0.0	0.601	0.046	13	3	1	589
PL.47460	PL.46932	ABC	336 MCM AC	7.42Y	123.7	0.15	1.30	231.12	45	4851	1734	94	3.59	0.1	0.681	0.080	10	2	1	588
PL.47461	PL.47460	ABC	336 MCM AC	7.42Y	123.6	0.07	1.37	230.65	44	4837	1724	94	1.57	0.0	0.716	0.035	0	0	0	587
PL.47462	PL.47461	C	#2 ACSR	7.42Y	123.6	0.00	1.37	1.44	1	10	2	98	0.00	0.0	0.721	0.005	0	0	0	1
PD.7320	PL.47462	C	75QA	7.42Y	123.6	0.00	1.37	1.44	2	10	2	98	0.00	0.0	0.721	0.005	0	0	0	1
PL.48265	PD.7320	C	#2 ACSR	7.42Y	123.6	0.00	1.37	1.44	1	10	2	98	0.00	0.0	0.805	0.084	10	2	1	1
PL.48266	PL.47461	ABC	336 MCM AC	7.37Y	122.9	0.73	2.10	230.17	44	4825	1718	94	17.49	0.4	1.108	0.392	0	0	0	586

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Balanced Voltage Drop Report  
Source: Brodhead

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

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
-----																				
PL.48267	PL.48266	ABC	336 MCM AC	7.37Y	122.8	0.11	2.21	228.65	44	4775	1670	94	2.68	0.1	1.168	0.061	0	0	0	582
PL.48268	PL.48267	A	#2 ACSR	7.37Y	122.8	0.00	2.21	2.51	1	18	4	98	0.00	0.0	1.178	0.010	0	0	0	2
PD.7416	PL.48268	A	75QA	7.37Y	122.8	0.00	2.21	2.51	3	18	4	98	0.00	0.0	1.178	0.010	0	0	0	2
PL.48269	PD.7416	A	#2 ACSR	7.37Y	122.8	0.01	2.21	2.51	1	18	4	98	0.00	0.0	1.314	0.136	18	4	2	2
PL.48270	PL.48267	ABC	336 MCM AC	7.36Y	122.7	0.07	2.27	227.82	44	4754	1659	94	1.56	0.0	1.204	0.036	0	0	0	580
PL.48271	PL.48270	ABC	336 MCM AC	7.36Y	122.6	0.09	2.36	227.02	44	4735	1652	94	2.19	0.0	1.255	0.050	0	0	0	578
PL.48277	PL.48271	A	#2 ACSR	7.36Y	122.6	0.00	2.36	0.94	1	7	2	96	0.00	0.0	1.260	0.006	0	0	0	1
PD.7589	PL.48277	A	75QA	7.36Y	122.6	0.00	2.36	0.94	1	7	2	96	0.00	0.0	1.260	0.006	0	0	0	1
PL.48278	PD.7589	A	#2 ACSR	7.36Y	122.6	0.00	2.36	0.94	1	7	2	96	0.00	0.0	1.282	0.022	0	0	0	1
PL.48275	PL.48278	A	#2 ACSR	7.36Y	122.6	0.00	2.36	0.94	1	7	2	96	0.00	0.0	1.283	0.000	7	2	1	1
PL.48276	PL.48275	A	#2 ACSR	7.36Y	122.6	0.00	2.36	0.00	0	0	0	100	0.00	0.0	1.394	0.112	0	0	0	0
PL.48279	PL.48271	ABC	336 MCM AC	7.35Y	122.5	0.10	2.46	226.44	44	4721	1644	94	2.39	0.1	1.310	0.055	0	0	0	576
PL.48280	PL.48279	ABC	336 MCM AC	7.35Y	122.4	0.11	2.58	226.44	44	4718	1638	94	2.65	0.1	1.371	0.062	13	3	1	576
PL.47353	PL.48280	ABC	336 MCM AC	7.34Y	122.3	0.15	2.73	225.82	44	4702	1629	94	3.62	0.1	1.456	0.084	0	0	0	575
PL.47355	PL.47353	C	6 A (CWC)	7.34Y	122.3	0.00	2.73	0.44	0	3	1	95	0.00	0.0	1.465	0.009	0	0	0	2
PD.7405	PL.47355	C	75QA	7.34Y	122.3	0.00	2.73	0.44	1	3	1	95	0.00	0.0	1.465	0.009	0	0	0	2
PL.47356	PD.7405	C	6 A (CWC)	7.34Y	122.3	0.00	2.73	0.44	0	3	1	95	0.00	0.0	1.683	0.218	3	1	2	2
PL.47354	PL.47353	ABC	336 MCM AC	7.31Y	121.9	0.40	3.13	225.68	43	4695	1620	95	9.52	0.2	1.678	0.222	0	0	0	573
PL.57498	PL.47354	C	6 A (CWC)	7.31Y	121.9	0.00	3.13	0.00	0	0	0	100	0.00	0.0	1.686	0.009	0	0	0	0
PD.8504	PL.57498	C	25T	7.31Y	121.9	0.00	3.13	0.00	0	0	0	100	0.00	0.0	1.686	0.009	0	0	0	0
PL.65280	PD.8504	C	6 A (CWC)	7.31Y	121.9	0.00	3.13	0.00	0	0	0	100	0.00	0.0	1.737	0.051	0	0	0	0
PL.65278	PL.47354	ABC	336 MCM AC	7.31Y	121.8	0.11	3.23	225.68	43	4686	1598	95	2.51	0.1	1.736	0.059	0	0	0	573
PL.65279	PL.65278	ABC	336 MCM AC	7.30Y	121.7	0.04	3.27	222.89	43	4623	1579	95	0.98	0.0	1.760	0.023	9	2	1	562
PL.47585	PL.65279	ABC	336 MCM AC	7.30Y	121.6	0.10	3.37	222.46	43	4613	1574	95	2.30	0.0	1.815	0.055	0	0	0	561
PL.47592	PL.47585	ABC	336 MCM AC	7.29Y	121.4	0.19	3.56	220.05	42	4559	1558	95	4.39	0.1	1.922	0.108	0	0	0	555
PL.46929	PL.47592	ABC	336 MCM AC	7.24Y	120.7	0.76	4.32	220.05	42	4554	1548	95	17.69	0.4	2.357	0.435	15	3	2	555
PL.47943	PL.46929	A	#4 ACSR	7.24Y	120.7	0.00	4.32	0.00	0	0	0	100	0.00	0.0	2.367	0.010	0	0	0	0
PD.7361	PL.47943	A	75QA	7.24Y	120.7	0.00	4.32	0.00	0	0	0	100	0.00	0.0	2.367	0.010	0	0	0	0
PL.47327	PD.7361	A	#4 ACSR	7.24Y	120.7	0.00	4.32	0.00	0	0	0	100	0.00	0.0	2.418	0.051	0	0	0	0
PL.47942	PL.46929	ABC	336 MCM AC	7.23Y	120.5	0.14	4.45	219.36	42	4522	1503	95	3.28	0.1	2.438	0.081	2	0	2	553
PL.47330	PL.47942	ABC	336 MCM AC	7.23Y	120.5	0.06	4.52	176.72	34	3612	1287	94	1.12	0.0	2.480	0.043	0	0	0	405

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Balanced Voltage Drop Report  
Source: Brodhead

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.47331	PL.47330	ABC	336 MCM AC	7.22Y	120.4	0.11	4.63	176.72	34	3611	1285	94	2.03	0.1	2.558	0.077	9	2	1	405
PL.47332	PL.47331	ABC	336 MCM AC	7.21Y	120.1	0.25	4.88	176.31	34	3600	1278	94	4.63	0.1	2.734	0.177	0	0	0	404
PL.47337	PL.47332	ABC	336 MCM AC	7.21Y	120.1	0.01	4.88	176.31	34	3595	1267	94	0.10	0.0	2.738	0.004	0	0	0	404
PD.7556	PL.47337	ABC	300VWE	7.21Y	120.1	0.00	4.88	176.31	0	3595	1267	94	0.00	0.0	2.738	0.004	0	0	0	404
PL.47338	PD.7556	ABC	336 MCM AC	7.20Y	120.1	0.06	4.95	176.31	34	3595	1267	94	1.18	0.0	2.783	0.045	0	0	0	404
PL.58542	PL.47338	A	6 A (CWC)	7.20Y	120.1	0.00	4.95	2.48	2	17	4	97	0.00	0.0	2.786	0.002	0	0	0	2
PD.8610	PL.58542	A	25T	7.20Y	120.1	0.00	4.95	2.48	0	17	4	97	0.00	0.0	2.786	0.002	0	0	0	2
PL.58543	PD.8610	A	6 A (CWC)	7.20Y	120.0	0.01	4.96	2.48	2	17	4	97	0.00	0.0	2.954	0.168	17	4	2	2
PL.47861	PL.47338	ABC	336 MCM AC	7.19Y	119.8	0.30	5.25	174.51	34	3556	1256	94	5.52	0.2	2.998	0.215	0	0	0	397
PL.47862	PL.47861	ABC	336 MCM AC	7.18Y	119.6	0.12	5.37	174.51	34	3551	1243	94	2.15	0.1	3.082	0.084	0	0	0	397
PL.48669	PL.47862	A	6 A (CWC)	7.18Y	119.6	0.00	5.37	0.13	0	1	0	100	0.00	0.0	3.086	0.004	0	0	0	1
PD.7445	PL.48669	A	60QA	7.18Y	119.6	0.00	5.37	0.13	0	1	0	100	0.00	0.0	3.086	0.004	0	0	0	1
PL.47466	PD.7445	A	6 A (CWC)	7.18Y	119.6	0.00	5.37	0.13	0	1	0	100	0.00	0.0	3.362	0.276	0	0	0	1
PL.47467	PL.47466	A	6 A (CWC)	7.18Y	119.6	0.00	5.37	0.13	0	1	0	100	0.00	0.0	3.424	0.061	1	0	1	1
PL.47468	PL.47467	A	6 A (CWC)	7.18Y	119.6	0.00	5.37	0.00	0	0	0	100	0.00	0.0	3.546	0.122	0	0	0	0
PL.47465	PL.47862	ABC	336 MCM AC	7.17Y	119.5	0.11	5.47	174.47	34	3547	1238	94	1.96	0.1	3.159	0.077	0	0	0	396
PL.47469	PL.47465	ABC	336 MCM AC	7.15Y	119.2	0.28	5.76	174.47	34	3546	1233	94	5.24	0.1	3.363	0.204	0	0	0	396
PL.47470	PL.47469	ABC	336 MCM AC	7.14Y	119.1	0.17	5.93	174.47	34	3540	1221	95	3.19	0.1	3.488	0.124	0	0	0	396
PL.47471	PL.47470	ABC	336 MCM AC	7.14Y	119.1	0.00	5.94	174.47	34	3537	1213	95	0.08	0.0	3.491	0.003	0	0	0	396
C RG.51	PL.47471	ABC	114.3 KVA	7.47Y	124.5	-5.45	0.49	174.47	116	3537	1213	95	percent Boost= 4.38 Tap= 7.0				0	0	0	396 C
PL.47472	RG.51	ABC	336 MCM AC	7.47Y	124.4	0.08	0.57	166.84	32	3537	1213	95	1.41	0.0	3.551	0.060	0	0	0	396
PL.47473	PL.47472	A	6 A (CWC)	7.47Y	124.4	0.00	0.57	3.97	3	29	6	98	0.00	0.0	3.555	0.005	0	0	0	5
PD.7527	PL.47473	A	60QA	7.47Y	124.4	0.00	0.57	3.97	7	29	6	98	0.00	0.0	3.555	0.005	0	0	0	5
PL.47474	PD.7527	A	6 A (CWC)	7.47Y	124.4	0.01	0.58	3.97	3	29	6	98	0.00	0.0	3.610	0.055	9	2	1	5
PL.47475	PL.47474	A	6 A (CWC)	7.46Y	124.4	0.01	0.59	2.70	2	20	4	98	0.00	0.0	3.774	0.163	14	3	2	4
PL.47476	PL.47475	A	6 A (CWC)	7.46Y	124.4	0.00	0.59	0.79	1	6	1	99	0.00	0.0	3.908	0.134	6	1	1	1
PL.47417	PL.47475	A	6 A (CWC)	7.46Y	124.4	0.00	0.59	0.01	0	0	0	100	0.00	0.0	3.873	0.099	0	0	1	1
PL.47368	PL.47474	A	6 A (CWC)	7.47Y	124.4	0.00	0.58	0.00	0	0	0	100	0.00	0.0	3.671	0.061	0	0	0	0
PL.47477	PL.47472	ABC	336 MCM AC	7.45Y	124.2	0.24	0.81	165.52	32	3507	1203	95	4.17	0.1	3.732	0.181	0	0	0	391
PL.48672	PL.47477	C	6 A (CWC)	7.45Y	124.2	0.00	0.81	0.60	0	4	1	97	0.00	0.0	3.736	0.004	0	0	0	4
PD.7489	PL.48672	C	60QA	7.45Y	124.2	0.00	0.81	0.60	1	4	1	97	0.00	0.0	3.736	0.004	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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.48673	PD.7489	C	6 A (CWC)	7.45Y	124.2	0.00	0.81	0.60	0	4	1	97	0.00	0.0	3.761	0.024	1	0	1	4
PL.48674	PL.48673	C	6 A (CWC)	7.45Y	124.2	0.00	0.81	0.44	0	3	1	95	0.00	0.0	3.835	0.074	2	0	1	3
PL.48670	PL.48674	C	6 A (CWC)	7.45Y	124.2	0.00	0.81	0.14	0	1	0	100	0.00	0.0	3.958	0.123	1	0	1	2
PL.48671	PL.48670	C	6 A (CWC)	7.45Y	124.2	0.00	0.81	0.05	0	0	0	100	0.00	0.0	4.086	0.128	0	0	1	1
PL.48675	PL.47477	ABC	336 MCM AC	7.44Y	124.0	0.18	0.98	165.33	32	3498	1193	95	3.10	0.1	3.866	0.135	0	0	0	387
PL.48679	PL.48675	ABC	336 MCM AC	7.41Y	123.5	0.47	1.45	165.33	32	3495	1185	95	8.28	0.2	4.226	0.360	6	1	2	387
PL.48680	PL.48679	ABC	336 MCM AC	7.40Y	123.3	0.22	1.68	165.06	32	3481	1165	95	3.94	0.1	4.398	0.172	0	0	0	385
PL.48703	PL.48680	ABC	336 MCM AC	7.39Y	123.2	0.16	1.84	158.56	31	3335	1124	95	2.68	0.1	4.525	0.127	0	0	1	358
PL.48704	PL.48703	ABC	336 MCM AC	7.36Y	122.7	0.47	2.30	158.56	31	3333	1118	95	7.91	0.2	4.898	0.373	0	0	0	357
PL.47854	PL.48704	ABC	336 MCM AC	7.36Y	122.7	0.04	2.35	86.72	17	1848	502	97	0.44	0.0	4.969	0.070	13	3	1	264
PL.47856	PL.47854	C	#4 ACSR	7.36Y	122.7	0.00	2.35	0.00	0	0	0	100	0.00	0.0	4.975	0.006	0	0	0	0
PD.7451	PL.47856	C	60QA	7.36Y	122.7	0.00	2.35	0.00	0	0	0	100	0.00	0.0	4.975	0.006	0	0	0	0
PL.47857	PD.7451	C	#4 ACSR	7.36Y	122.7	0.00	2.35	0.00	0	0	0	100	0.00	0.0	5.444	0.469	0	0	0	0
PL.47855	PL.47854	ABC	336 MCM AC	7.36Y	122.6	0.03	2.38	86.13	17	1835	498	97	0.29	0.0	5.015	0.047	0	0	0	263
PL.47850	PL.47855	A	#2 ACSR	7.36Y	122.6	0.00	2.38	0.00	0	0	0	100	0.00	0.0	5.020	0.005	0	0	0	1
PD.7382	PL.47850	A	40QA	7.36Y	122.6	0.00	2.38	0.00	0	0	0	100	0.00	0.0	5.020	0.005	0	0	0	1
PL.47851	PD.7382	A	#2 ACSR	7.36Y	122.6	0.00	2.38	0.00	0	0	0	100	0.00	0.0	5.074	0.054	0	0	1	1
PL.47262	PL.47855	ABC	336 MCM AC	7.35Y	122.6	0.05	2.43	85.46	16	1820	494	97	0.48	0.0	5.094	0.079	0	0	0	260
PL.47260	PL.47262	ABC	336 MCM AC	7.35Y	122.6	0.00	2.43	85.46	16	1820	493	97	0.02	0.0	5.098	0.004	0	0	0	260
C PD.7608	PL.47260	ABC	70L	7.35Y	122.6	0.00	2.43	85.46	122	1820	493	97	0.00	0.0	5.098	0.004	0	0	0	260 C
PL.47261	PD.7608	ABC	336 MCM AC	7.35Y	122.5	0.07	2.50	85.46	16	1820	493	97	0.70	0.0	5.213	0.115	7	2	1	260
PL.47259	PL.47261	ABC	336 MCM AC	7.35Y	122.5	0.03	2.53	85.14	16	1812	489	97	0.26	0.0	5.256	0.043	30	7	2	259
PL.47258	PL.47259	ABC	336 MCM AC	7.35Y	122.4	0.05	2.58	83.74	16	1782	482	97	0.47	0.0	5.335	0.080	0	0	0	257
PL.47255	PL.47258	ABC	336 MCM AC	7.34Y	122.3	0.08	2.66	83.35	16	1773	479	97	0.75	0.0	5.463	0.128	10	2	2	256
PL.47254	PL.47255	ABC	336 MCM AC	7.34Y	122.3	0.03	2.69	82.86	16	1762	475	97	0.28	0.0	5.512	0.048	11	2	1	254
PL.47253	PL.47254	ABC	336 MCM AC	7.34Y	122.3	0.04	2.73	82.35	16	1751	472	97	0.40	0.0	5.582	0.070	12	3	1	253
PL.48375	PL.47253	C	#4 ACSR	7.34Y	122.3	0.00	2.73	0.00	0	0	0	100	0.00	0.0	5.589	0.007	0	0	0	0
PD.7453	PL.48375	C	50QA	7.34Y	122.3	0.00	2.73	0.00	0	0	0	100	0.00	0.0	5.589	0.007	0	0	0	0
PL.48376	PD.7453	C	#4 ACSR	7.34Y	122.3	0.00	2.73	0.00	0	0	0	100	0.00	0.0	5.682	0.094	0	0	0	0
PL.48374	PL.47253	ABC	336 MCM AC	7.33Y	122.2	0.05	2.78	81.80	16	1738	468	97	0.45	0.0	5.662	0.081	0	0	0	252
PL.48075	PL.48374	C	#4 ACSR	7.33Y	122.2	0.00	2.78	0.00	0	0	0	100	0.00	0.0	5.669	0.007	0	0	0	0

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Balanced Voltage Drop Report  
Source: Brodhead

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.7384	PL.48075	C	50QA	7.33Y	122.2	0.00	2.78	0.00	0	0	0	100	0.00	0.0	5.669	0.007	0	0	0	0
PL.48373	PD.7384	C	#4 ACSR	7.33Y	122.2	0.00	2.78	0.00	0	0	0	100	0.00	0.0	5.705	0.036	0	0	0	0
PL.48074	PL.48374	ABC	336 MCM AC	7.33Y	122.2	0.03	2.81	81.80	16	1738	467	97	0.31	0.0	5.717	0.055	0	0	0	252
PL.48073	PL.48074	ABC	336 MCM AC	7.33Y	122.2	0.01	2.82	81.80	16	1738	467	97	0.11	0.0	5.737	0.020	0	0	0	252
PL.48070	PL.48073	ABC	336 MCM AC	7.33Y	122.1	0.05	2.88	78.79	15	1677	438	97	0.50	0.0	5.832	0.095	0	0	0	249
PL.48068	PL.48070	ABC	336 MCM AC	7.33Y	122.1	0.00	2.88	78.79	15	1676	437	97	0.00	0.0	5.832	0.001	20	4	3	249
PL.48069	PL.48068	ABC	336 MCM AC	7.32Y	122.1	0.06	2.94	77.87	15	1656	432	97	0.54	0.0	5.939	0.107	13	3	2	246
PL.48066	PL.48069	ABC	336 MCM AC	7.32Y	122.0	0.06	3.00	77.28	15	1643	428	97	0.55	0.0	6.048	0.109	0	0	0	244
PL.48580	PL.48066	ABC	336 MCM AC	7.32Y	122.0	0.05	3.05	76.07	15	1617	421	97	0.44	0.0	6.138	0.089	0	0	0	241
PL.47348	PL.48580	ABC	336 MCM AC	7.31Y	121.9	0.04	3.09	75.04	14	1594	415	97	0.36	0.0	6.213	0.075	0	0	0	238
PL.48578	PL.47348	A	#4 ACSR	7.31Y	121.9	0.00	3.09	0.93	1	7	1	99	0.00	0.0	6.214	0.001	0	0	0	1
PD.7491	PL.48578	A	50QA	7.31Y	121.9	0.00	3.09	0.93	2	7	1	99	0.00	0.0	6.214	0.001	0	0	0	1
PL.48579	PD.7491	A	#4 ACSR	7.31Y	121.9	0.00	3.09	0.93	1	7	1	99	0.00	0.0	6.265	0.051	7	1	1	1
PL.48577	PL.47348	ABC	336 MCM AC	7.31Y	121.8	0.06	3.15	74.72	14	1587	413	97	0.53	0.0	6.325	0.113	16	3	3	237
PL.52260	PL.48577	C	6 A (CWC)	7.31Y	121.8	0.00	3.15	28.12	20	201	45	98	0.00	0.0	6.327	0.002	0	0	0	30
PD.7542	PL.52260	C	40T	7.31Y	121.8	0.00	3.15	28.12	0	201	45	98	0.00	0.0	6.327	0.002	0	0	0	30
PL.48576	PD.7542	C	6 A (CWC)	7.31Y	121.8	0.09	3.24	28.12	20	201	45	98	0.14	0.1	6.397	0.070	0	0	1	30
PL.52259	PL.48576	C	6 A (CWC)	7.31Y	121.8	0.00	3.24	28.12	20	200	45	98	0.00	0.0	6.398	0.001	0	0	0	29
PL.52258	PL.52259	C	6 A (CWC)	7.30Y	121.6	0.11	3.35	28.12	20	200	45	98	0.17	0.1	6.488	0.090	12	3	1	29
PL.48142	PL.52258	C	6 A (CWC)	7.30Y	121.6	0.04	3.40	10.46	7	75	17	98	0.02	0.0	6.581	0.093	0	0	0	13
PL.48261	PL.48142	C	6 A (CWC)	7.29Y	121.6	0.03	3.42	10.46	7	75	17	98	0.01	0.0	6.637	0.056	0	0	0	13
PL.47565	PL.48261	C	#2 ACSR	7.29Y	121.6	0.00	3.42	0.04	0	0	0	100	0.00	0.0	6.730	0.093	0	0	1	1
PL.48260	PL.48261	C	6 A (CWC)	7.29Y	121.6	0.02	3.44	10.42	7	74	16	98	0.01	0.0	6.683	0.046	9	2	1	12
PL.47170	PL.48260	C	6 A (CWC)	7.29Y	121.5	0.03	3.47	9.17	7	65	15	97	0.01	0.0	6.771	0.088	18	4	2	11
PL.47167	PL.47170	C	6 A (CWC)	7.29Y	121.5	0.06	3.53	5.32	4	38	8	98	0.02	0.0	7.020	0.249	0	0	0	7
PD.9525	PL.47167	C	25T	7.29Y	121.5	0.00	3.53	5.32	0	38	8	98	0.00	0.0	7.020	0.249	0	0	0	7
PL.48139	PD.9525	C	6 A (CWC)	7.29Y	121.5	0.00	3.54	5.32	4	38	8	98	0.00	0.0	7.025	0.005	0	0	0	7
PL.62660	PL.48139	C	6 A (CWC)	7.29Y	121.5	0.01	3.54	2.82	2	20	4	98	0.00	0.0	7.096	0.071	0	0	0	5
PD.9383	PL.62660	C	15T	7.29Y	121.5	0.00	3.54	2.82	0	20	4	98	0.00	0.0	7.096	0.071	0	0	0	5
PL.62661	PD.9383	C	6 A (CWC)	7.29Y	121.4	0.01	3.55	2.82	2	20	4	98	0.00	0.0	7.165	0.069	0	0	0	5
PL.46748	PL.62661	C	6 A (CWC)	7.29Y	121.4	0.01	3.56	1.78	1	13	3	97	0.00	0.0	7.343	0.178	13	3	2	2

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Balanced Voltage Drop Report  
Source: Brodhead

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.48140	PL.62661	C	6 A (CWC)	7.29Y	121.4	0.01	3.56	1.04	1	7	2	96	0.00	0.0	7.317	0.152	1	0	2	3
PL.48141	PL.48140	C	6 A (CWC)	7.29Y	121.4	0.01	3.57	0.89	1	6	1	99	0.00	0.0	7.469	0.151	0	0	0	1
PL.48257	PL.48141	C	6 A (CWC)	7.29Y	121.4	0.00	3.57	0.89	1	6	1	99	0.00	0.0	7.559	0.091	6	1	1	1
PL.48646	PL.48139	C	#1/0 ACSR	7.29Y	121.4	0.03	3.56	2.49	1	18	4	98	0.00	0.0	7.541	0.516	0	0	0	2
PL.62586	PL.48646	C	#1/0 ACSR	7.29Y	121.4	0.00	3.56	0.00	0	0	0	100	0.00	0.0	7.733	0.192	0	0	0	0
PD.9393-B	PL.62586	C	Open	7.29Y	121.4	0.00	3.56	0.00	0	0	0	100	0.00	0.0	7.733	0.192	0	0	0	0
PL.48647	PL.48646	C	6 A (CWC)	7.29Y	121.4	0.01	3.57	2.49	2	18	4	98	0.00	0.0	7.653	0.112	12	3	1	2
PL.48138	PL.48647	C	6 A (CWC)	7.29Y	121.4	0.00	3.58	0.81	1	6	1	99	0.00	0.0	7.826	0.173	6	1	1	1
PL.47168	PL.47170	C	6 A (CWC)	7.29Y	121.5	0.00	3.48	0.59	0	4	1	97	0.00	0.0	6.829	0.058	0	0	0	1
PL.47169	PL.47168	C	6 A (CWC)	7.29Y	121.5	0.00	3.48	0.59	0	4	1	97	0.00	0.0	7.134	0.305	4	1	1	1
PL.46899	PL.47170	C	#2 ACSR	7.29Y	121.5	0.00	3.48	0.77	0	5	1	98	0.00	0.0	6.842	0.071	5	1	1	1
PL.48143	PL.52258	C	6 A (CWC)	7.30Y	121.6	0.04	3.39	16.01	11	114	25	98	0.03	0.0	6.543	0.055	10	2	1	15
PL.48144	PL.48143	C	6 A (CWC)	7.29Y	121.6	0.04	3.43	14.65	10	104	23	98	0.03	0.0	6.601	0.059	12	3	3	14
PL.48145	PL.48144	C	6 A (CWC)	7.29Y	121.6	0.01	3.44	9.30	7	66	15	98	0.00	0.0	6.624	0.023	8	2	1	7
PL.48151	PL.48145	C	6 A (CWC)	7.29Y	121.6	0.01	3.45	8.13	6	58	13	98	0.00	0.0	6.657	0.033	15	3	1	6
PL.48152	PL.48151	C	6 A (CWC)	7.29Y	121.5	0.01	3.45	5.98	4	43	9	98	0.00	0.0	6.693	0.036	15	3	2	5
PL.48150	PL.48152	C	6 A (CWC)	7.29Y	121.5	0.01	3.46	3.91	3	28	6	98	0.00	0.0	6.765	0.073	11	2	1	3
PL.48149	PL.48150	C	6 A (CWC)	7.29Y	121.5	0.01	3.47	2.40	2	17	4	97	0.00	0.0	6.845	0.080	0	0	0	2
PL.48146	PL.48149	C	6 A (CWC)	7.29Y	121.5	0.00	3.48	1.19	1	8	2	97	0.00	0.0	6.928	0.083	8	2	1	1
PL.48147	PL.48149	C	#2 ACSR	7.29Y	121.5	0.00	3.47	1.21	1	9	2	98	0.00	0.0	6.875	0.030	9	2	1	1
PL.48148	PL.48147	C	#2 ACSR	7.29Y	121.5	0.00	3.47	0.00	0	0	0	100	0.00	0.0	6.992	0.117	0	0	0	0
PL.48153	PL.48144	C	#2 ACSR	7.29Y	121.6	0.00	3.43	3.63	2	26	6	97	0.00	0.0	6.615	0.013	7	2	2	4
PL.48154	PL.48153	C	#2 ACSR	7.29Y	121.6	0.00	3.43	2.61	1	19	4	98	0.00	0.0	6.696	0.082	14	3	1	2
PL.48155	PL.48154	C	#2 ACSR	7.29Y	121.6	0.00	3.43	0.70	0	5	1	98	0.00	0.0	6.715	0.019	5	1	1	1
PL.48156	PL.48577	ABC	#3/0 ACSR	7.31Y	121.8	0.04	3.19	64.63	22	1370	363	97	0.38	0.0	6.380	0.054	2	0	1	204
PL.47317	PL.48156	C	6 A (CWC)	7.31Y	121.8	0.00	3.20	1.96	1	14	3	98	0.00	0.0	6.400	0.021	14	3	1	1
PL.48157	PL.48156	ABC	#3/0 ACSR	7.31Y	121.8	0.03	3.22	63.87	21	1353	359	97	0.25	0.0	6.416	0.037	4	1	1	202
PL.48158	PL.48157	ABC	#3/0 ACSR	7.30Y	121.7	0.05	3.27	63.68	21	1349	358	97	0.42	0.0	6.479	0.062	14	3	3	201
PL.47920	PL.48158	ABC	#3/0 ACSR	7.30Y	121.6	0.08	3.35	63.03	21	1335	354	97	0.69	0.1	6.582	0.103	0	0	1	198
PL.47921	PL.47920	ABC	#3/0 ACSR	7.30Y	121.6	0.06	3.41	63.03	21	1334	353	97	0.51	0.0	6.659	0.077	10	2	2	197
PL.48202	PL.47921	ABC	#3/0 ACSR	7.29Y	121.5	0.04	3.46	62.55	21	1323	350	97	0.38	0.0	6.717	0.058	12	3	3	195

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

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
-----																				
PL.48203	PL.48202	B	#4 ACSR	7.29Y	121.5	0.00	3.46	10.90	8	78	17	98	0.00	0.0	6.718	0.001	0	0	0	12
PD.7454	PL.48203	B	40T	7.29Y	121.5	0.00	3.46	10.90	0	78	17	98	0.00	0.0	6.718	0.001	0	0	0	12
PL.48204	PD.7454	B	#4 ACSR	7.29Y	121.5	0.01	3.47	10.90	8	78	17	98	0.00	0.0	6.737	0.019	14	3	1	12
PL.48205	PL.48204	B	#4 ACSR	7.29Y	121.5	0.00	3.47	8.94	7	64	14	98	0.00	0.0	6.738	0.001	0	0	0	11
PL.48206	PL.48205	B	#4 ACSR	7.29Y	121.5	0.01	3.48	8.94	7	64	14	98	0.00	0.0	6.765	0.027	5	1	1	11
PL.63447	PL.48206	B	#4 ACSR	7.29Y	121.5	0.01	3.49	8.25	6	59	13	98	0.01	0.0	6.803	0.038	0	0	1	10
PL.63448	PL.63447	B	#4 ACSR	7.29Y	121.5	0.02	3.51	8.24	6	59	13	98	0.01	0.0	6.845	0.042	0	0	0	9
PL.48208	PL.63448	B	#4 ACSR	7.29Y	121.5	0.01	3.52	6.77	5	48	11	97	0.00	0.0	6.885	0.040	23	5	6	8
PL.48207	PL.48208	B	#4 ACSR	7.29Y	121.5	0.00	3.52	3.56	3	25	6	97	0.00	0.0	6.941	0.055	25	6	2	2
PL.45990	PL.63448	B	#4 ACSR	7.29Y	121.5	0.00	3.51	1.48	1	11	2	98	0.00	0.0	6.883	0.038	11	2	1	1
PL.47273	PL.48202	ABC	#3/0 ACSR	7.29Y	121.5	0.06	3.52	58.38	19	1234	330	97	0.45	0.0	6.795	0.079	14	3	2	180
PL.47668	PL.47273	ABC	#3/0 ACSR	7.28Y	121.4	0.08	3.60	57.65	19	1218	326	97	0.64	0.1	6.911	0.115	0	0	0	177
PL.47669	PL.47668	ABC	#3/0 ACSR	7.28Y	121.4	0.00	3.60	56.08	19	1184	317	97	0.00	0.0	6.911	0.001	0	0	0	169
PL.47409	PL.47669	ABC	#3/0 ACSR	7.28Y	121.3	0.10	3.70	56.08	19	1184	317	97	0.79	0.1	7.060	0.149	0	0	0	169
PL.48210	PL.47409	A	#2 ACSR	7.28Y	121.3	0.00	3.70	1.46	1	10	2	98	0.00	0.0	7.061	0.002	0	0	0	1
PD.7457	PL.48210	A	30QA	7.28Y	121.3	0.00	3.70	1.46	5	10	2	98	0.00	0.0	7.061	0.002	0	0	0	1
PL.48211	PD.7457	A	#2 ACSR	7.28Y	121.3	0.00	3.70	1.46	1	10	2	98	0.00	0.0	7.062	0.001	0	0	0	1
PL.48209	PL.48211	A	#2 ACSR	7.28Y	121.3	0.00	3.71	1.46	1	10	2	98	0.00	0.0	7.089	0.027	10	2	1	1
PL.47410	PL.47409	ABC	#3/0 ACSR	7.27Y	121.2	0.10	3.80	55.59	19	1172	314	97	0.71	0.1	7.197	0.137	0	0	0	168
PL.51561	PL.47410	ABC	#3/0 ACSR	7.27Y	121.2	0.04	3.84	55.59	19	1172	313	97	0.32	0.0	7.259	0.062	0	0	0	168
PL.51563	PL.51561	ABC	#3/0 ACSR	7.27Y	121.1	0.04	3.88	55.50	18	1169	312	97	0.29	0.0	7.316	0.057	9	2	3	167
PL.48648	PL.51563	ABC	#3/0 ACSR	7.26Y	121.1	0.05	3.94	55.07	18	1160	310	97	0.40	0.0	7.394	0.078	0	0	0	164
PL.47560	PL.48648	ABC	336 MCM AC	7.26Y	121.0	0.04	3.97	53.71	10	1131	301	97	0.23	0.0	7.490	0.096	0	0	0	160
PL.48653	PL.47560	C	#4 ACSR	7.26Y	121.0	0.00	3.97	1.30	1	9	2	98	0.00	0.0	7.490	0.001	0	0	0	1
PD.7459	PL.48653	C	40QA	7.26Y	121.0	0.00	3.97	1.30	3	9	2	98	0.00	0.0	7.490	0.001	0	0	0	1
PL.48654	PD.7459	C	#4 ACSR	7.26Y	121.0	0.01	3.98	1.30	1	9	2	98	0.00	0.0	7.593	0.102	0	0	0	1
PL.64605	PL.48654	C	#1/0 ACSR	7.26Y	121.0	0.00	3.98	1.30	1	9	2	98	0.00	0.0	7.611	0.018	9	2	1	1
PL.48651	PL.47560	A	#1/0 ACSR	7.26Y	121.0	0.00	3.97	1.14	0	8	2	97	0.00	0.0	7.490	0.001	0	0	0	1
PD.7431	PL.48651	A	40QA	7.26Y	121.0	0.00	3.97	1.14	3	8	2	97	0.00	0.0	7.490	0.001	0	0	0	1
PL.48652	PD.7431	A	#1/0 ACSR	7.26Y	121.0	0.00	3.97	1.14	0	8	2	97	0.00	0.0	7.508	0.017	8	2	1	1
PL.60106	PL.47560	ABC	336 MCM AC	7.26Y	120.9	0.08	4.06	52.90	10	1113	297	97	0.50	0.0	7.701	0.211	0	0	0	158

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Balanced Voltage Drop Report  
Source: Brodhead

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.60107	PL.60106	ABC	336 MCM AC	7.26Y	120.9	0.00	4.06	19.33	4	410	93	98	0.01	0.0	7.733	0.032	0	0	0	79
PL.46752	PL.60107	ABC	336 MCM AC	7.26Y	120.9	0.01	4.07	19.08	4	405	91	98	0.01	0.0	7.772	0.039	0	0	0	77
PL.48186	PL.46752	ABC	336 MCM AC	7.26Y	120.9	0.01	4.07	19.08	4	405	91	98	0.02	0.0	7.825	0.053	0	0	0	77
PL.59406	PL.48186	ABC	336 MCM AC	7.26Y	120.9	0.00	4.07	19.08	4	405	91	98	0.00	0.0	7.828	0.003	0	0	0	77
PD.8765	PL.59406	ABC	70CodeSMod	7.26Y	120.9	0.00	4.07	19.08	0	405	91	98	0.00	0.0	7.828	0.003	0	0	0	77
PL.59407	PD.8765	ABC	336 MCM AC	7.25Y	120.9	0.04	4.11	19.08	4	405	91	98	0.09	0.0	8.127	0.299	0	0	0	77
PL.59405	PL.59407	ABC	336 MCM AC	7.25Y	120.9	0.01	4.12	19.08	4	405	91	98	0.02	0.0	8.208	0.081	0	0	0	76
PL.48348	PL.59405	B	#2 ACSR	7.25Y	120.9	0.00	4.12	2.35	1	17	4	97	0.00	0.0	8.210	0.001	0	0	0	5
PD.7432	PL.48348	B	40QA	7.25Y	120.9	0.00	4.12	2.35	6	17	4	97	0.00	0.0	8.210	0.001	0	0	0	5
PL.52254	PD.7432	B	#2 ACSR	7.25Y	120.9	0.00	4.13	2.35	1	17	4	97	0.00	0.0	8.278	0.068	0	0	0	5
PL.52322	PL.52254	B	#2 ACSR	7.25Y	120.9	0.00	4.13	1.80	1	13	3	97	0.00	0.0	8.306	0.028	13	3	2	2
PL.52255	PL.52254	B	#2 ACSR	7.25Y	120.9	0.00	4.13	0.55	0	4	1	97	0.00	0.0	8.425	0.147	1	0	1	3
PL.48574	PL.52255	B	#2 ACSR	7.25Y	120.9	0.00	4.13	0.48	0	3	1	95	0.00	0.0	8.496	0.071	2	0	1	2
PL.48573	PL.48574	B	#2 ACSR	7.25Y	120.9	0.00	4.13	0.18	0	1	0	100	0.00	0.0	8.642	0.146	1	0	1	1
PL.48349	PL.59405	ABC	336 MCM AC	7.25Y	120.9	0.00	4.13	18.30	4	389	87	98	0.00	0.0	8.222	0.014	9	2	1	71
PL.48350	PL.48349	ABC	336 MCM AC	7.25Y	120.9	0.01	4.13	17.90	3	380	85	98	0.01	0.0	8.269	0.046	0	0	1	70
PL.48351	PL.48350	ABC	336 MCM AC	7.25Y	120.9	0.01	4.14	17.89	3	380	85	98	0.01	0.0	8.316	0.047	3	1	1	69
PL.48352	PL.48351	ABC	336 MCM AC	7.25Y	120.9	0.00	4.14	17.77	3	377	84	98	0.01	0.0	8.352	0.036	2	0	1	68
PL.48353	PL.48352	C	#4 ACSR	7.25Y	120.9	0.00	4.14	1.91	1	14	3	98	0.00	0.0	8.357	0.005	0	0	0	1
PD.7433	PL.48353	C	40QA	7.25Y	120.9	0.00	4.14	1.91	5	14	3	98	0.00	0.0	8.357	0.005	0	0	0	1
PL.48354	PD.7433	C	#4 ACSR	7.25Y	120.9	0.00	4.14	1.91	1	14	3	98	0.00	0.0	8.428	0.071	14	3	1	1
PL.48355	PL.48352	ABC	336 MCM AC	7.25Y	120.8	0.02	4.16	17.05	3	362	81	98	0.03	0.0	8.487	0.135	14	3	1	66
PL.48356	PL.48355	ABC	336 MCM AC	7.25Y	120.8	0.01	4.17	16.38	3	348	78	98	0.02	0.0	8.584	0.097	10	2	1	65
PL.48360	PL.48356	ABC	336 MCM AC	7.25Y	120.8	0.02	4.19	15.32	3	325	73	98	0.03	0.0	8.752	0.167	0	0	0	62
PL.48361	PL.48360	C	#2 ACSR	7.25Y	120.8	0.00	4.19	2.02	1	14	3	98	0.00	0.0	8.753	0.001	0	0	0	2
PD.7503	PL.48361	C	40QA	7.25Y	120.8	0.00	4.19	2.02	5	14	3	98	0.00	0.0	8.753	0.001	0	0	0	2
PL.48362	PD.7503	C	#2 ACSR	7.25Y	120.8	0.00	4.19	2.02	1	14	3	98	0.00	0.0	8.792	0.040	14	3	2	2
PL.48363	PL.48360	ABC	336 MCM AC	7.25Y	120.8	0.01	4.19	14.65	3	311	69	98	0.02	0.0	8.844	0.092	22	5	3	60
PL.48364	PL.48363	ABC	336 MCM AC	7.25Y	120.8	0.02	4.21	13.63	3	289	65	98	0.03	0.0	9.015	0.171	3	1	1	57
PL.48371	PL.48364	A	#2 ACSR	7.25Y	120.8	0.00	4.21	3.09	2	22	5	98	0.00	0.0	9.065	0.050	5	1	2	5
PL.48372	PL.48371	A	#2 ACSR	7.25Y	120.8	0.00	4.22	2.38	1	17	4	97	0.00	0.0	9.132	0.067	8	2	2	3

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Balanced Voltage Drop Report  
Source: Brodhead

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.48419	PL.48372	A	#2 ACSR	7.25Y	120.8	0.00	4.22	1.21	1	9	2	98	0.00	0.0	9.174	0.042	9	2	1	1
PL.48420	PL.48364	ABC	336 MCM AC	7.25Y	120.8	0.00	4.21	11.67	2	248	55	98	0.00	0.0	9.049	0.034	5	1	1	47
PL.48421	PL.48420	C	#2 ACSR	7.25Y	120.8	0.00	4.21	3.39	2	24	5	98	0.00	0.0	9.050	0.001	0	0	0	4
PD.7436	PL.48421	C	50QA	7.25Y	120.8	0.00	4.21	3.39	7	24	5	98	0.00	0.0	9.050	0.001	0	0	0	4
PL.48422	PD.7436	C	#2 ACSR	7.25Y	120.8	0.01	4.22	3.39	2	24	5	98	0.00	0.0	9.109	0.060	9	2	3	4
PL.48423	PL.48422	C	#2 ACSR	7.25Y	120.8	0.00	4.22	2.18	1	15	3	98	0.00	0.0	9.130	0.021	15	3	1	1
PL.47175	PL.48420	A	1/0 AL URD	7.25Y	120.8	0.00	4.21	1.76	1	12	3	97	0.00	0.0	9.064	0.015	12	3	1	1
PL.48424	PL.48420	ABC	336 MCM AC	7.25Y	120.8	0.00	4.22	9.71	2	206	46	98	0.01	0.0	9.120	0.071	0	0	0	41
PL.48103	PL.48424	ABC	336 MCM AC	7.25Y	120.8	0.01	4.22	9.71	2	206	46	98	0.01	0.0	9.219	0.099	13	3	2	41
PL.48104	PL.48103	ABC	336 MCM AC	7.25Y	120.8	0.01	4.23	9.09	2	193	43	98	0.01	0.0	9.329	0.110	0	0	0	39
PL.47419	PL.48104	ABC	336 MCM AC	7.25Y	120.8	0.01	4.24	7.72	1	164	37	98	0.01	0.0	9.434	0.105	0	0	0	28
PL.47566	PL.47419	A	#2 ACSR	7.25Y	120.8	0.00	4.24	0.19	0	1	0	100	0.00	0.0	9.440	0.006	0	0	0	1
PD.7505	PL.47566	A	40QA	7.25Y	120.8	0.00	4.24	0.19	0	1	0	100	0.00	0.0	9.440	0.006	0	0	0	1
PL.47567	PD.7505	A	#2 ACSR	7.25Y	120.8	0.00	4.24	0.19	0	1	0	100	0.00	0.0	9.469	0.028	1	0	1	1
PL.47568	PL.47419	C	6 A (CWC)	7.24Y	120.7	0.06	4.30	22.97	16	162	36	98	0.08	0.0	9.496	0.062	3	1	2	27
PL.47569	PL.47568	C	6 A (CWC)	7.23Y	120.6	0.13	4.44	22.48	16	159	36	98	0.16	0.1	9.630	0.133	0	0	0	25
PL.47570	PL.47569	C	6 A (CWC)	7.23Y	120.6	0.00	4.44	17.97	13	127	28	98	0.00	0.0	9.635	0.005	0	0	0	19
PD.7602	PL.47570	C	35L	7.23Y	120.6	0.00	4.44	17.97	51	127	28	98	0.00	0.0	9.635	0.005	0	0	0	19
PL.47630	PD.7602	C	6 A (CWC)	7.23Y	120.5	0.09	4.53	17.97	13	127	28	98	0.08	0.1	9.741	0.106	0	0	0	19
PL.60168	PL.47630	C	6 A (CWC)	7.23Y	120.5	0.00	4.53	2.86	2	20	4	98	0.00	0.0	9.745	0.003	0	0	0	4
PD.8924	PL.60168	C	20	7.23Y	120.5	0.00	4.53	2.86	14	20	4	98	0.00	0.0	9.745	0.003	0	0	0	4
PL.60169	PD.8924	C	6 A (CWC)	7.23Y	120.5	0.01	4.53	2.86	2	20	4	98	0.00	0.0	9.816	0.071	5	1	2	4
PL.47631	PL.60169	C	6 A (CWC)	7.23Y	120.5	0.00	4.54	2.09	1	15	3	98	0.00	0.0	9.871	0.055	15	3	2	2
PL.47632	PL.47630	C	6 A (CWC)	7.22Y	120.3	0.16	4.69	15.11	11	107	24	98	0.13	0.1	9.976	0.235	0	0	1	15
PL.60127	PL.47632	C	6 A (CWC)	7.22Y	120.3	0.00	4.69	13.59	10	96	21	98	0.00	0.0	9.979	0.003	0	0	0	13
PD.8916	PL.60127	C	20T	7.22Y	120.3	0.00	4.69	13.59	0	96	21	98	0.00	0.0	9.979	0.003	0	0	0	13
PL.60128	PD.8916	C	6 A (CWC)	7.22Y	120.3	0.06	4.74	13.59	10	96	21	98	0.04	0.0	10.070	0.090	0	0	0	13
PL.60125	PL.60128	C	6 A (CWC)	7.22Y	120.3	0.00	4.74	11.05	8	78	17	98	0.00	0.0	10.073	0.003	0	0	0	11
PD.8915	PL.60125	C	20T	7.22Y	120.3	0.00	4.74	11.05	0	78	17	98	0.00	0.0	10.073	0.003	0	0	0	11
PL.60126	PD.8915	C	6 A (CWC)	7.21Y	120.2	0.05	4.79	11.05	8	78	17	98	0.03	0.0	10.167	0.094	0	0	0	11
PD.8851-A	PL.60126	C	Closed	7.21Y	120.2	0.00	4.79	11.05	0	78	17	98	0.00	0.0	10.167	0.094	0	0	0	11

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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

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
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PD.8851-B	PD.8851-A	C	Closed	7.21Y	120.2	0.00	4.79	11.05	0	78	17	98	0.00	0.0	10.167	0.094	0	0	0	11
PL.59751	PD.8851-B	C	6 A (CWC)	7.21Y	120.1	0.07	4.86	11.05	8	78	17	98	0.04	0.1	10.302	0.134	0	0	0	11
PL.45994	PL.59751	C	#2 ACSR	7.21Y	120.1	0.01	4.86	1.15	1	8	2	97	0.00	0.0	10.634	0.332	8	2	1	1
PL.47371	PL.59751	C	6 A (CWC)	7.20Y	120.1	0.07	4.93	9.90	7	70	16	97	0.04	0.1	10.465	0.163	0	0	0	10
PL.60047	PL.47371	C	6 A (CWC)	7.20Y	120.0	0.04	4.97	9.90	7	70	15	98	0.02	0.0	10.560	0.095	0	0	0	10
PL.60048	PL.60047	C	6 A (CWC)	7.20Y	119.9	0.08	5.06	8.53	6	60	13	98	0.04	0.1	10.775	0.215	0	0	0	7
PL.60049	PL.60048	C	#1/0 ACSR	7.20Y	119.9	0.00	5.06	0.04	0	0	0	100	0.00	0.0	10.779	0.004	0	0	0	1
PD.8848	PL.60049	C	15T	7.20Y	119.9	0.00	5.06	0.04	0	0	0	100	0.00	0.0	10.779	0.004	0	0	0	1
PL.60050	PD.8848	C	#1/0 ACSR	7.20Y	119.9	0.00	5.06	0.04	0	0	0	100	0.00	0.0	10.833	0.055	0	0	1	1
PL.62917	PL.60048	C	#2/0 ACSR	7.20Y	119.9	0.03	5.08	8.49	3	60	13	98	0.01	0.0	10.944	0.169	0	0	0	6
PL.62916	PL.62917	C	#2 ACSR	7.19Y	119.9	0.00	5.09	2.77	2	19	4	98	0.00	0.0	10.994	0.049	19	4	1	1
PL.62918	PL.62917	C	#2 ACSR	7.19Y	119.9	0.00	5.08	5.72	3	40	9	98	0.00	0.0	10.948	0.003	0	0	0	5
PD.9446	PL.62918	C	20T	7.19Y	119.9	0.00	5.08	5.72	0	40	9	98	0.00	0.0	10.948	0.003	0	0	0	5
PL.62915	PD.9446	C	#2 ACSR	7.19Y	119.9	0.00	5.09	5.72	3	40	9	98	0.00	0.0	10.976	0.028	9	2	1	5
PL.47208	PL.62915	C	#2 ACSR	7.19Y	119.8	0.08	5.17	4.48	3	31	7	98	0.02	0.1	11.539	0.563	0	0	0	4
PL.47907	PL.47208	C	#2 ACSR	7.19Y	119.8	0.00	5.17	1.05	1	7	2	96	0.00	0.0	11.558	0.019	7	2	1	1
PL.47209	PL.47208	C	#2 ACSR	7.19Y	119.8	0.01	5.18	3.43	2	24	5	98	0.00	0.0	11.652	0.113	0	0	0	3
PL.48263	PL.47209	C	#2 ACSR	7.19Y	119.8	0.00	5.18	3.43	2	24	5	98	0.00	0.0	11.702	0.050	10	2	1	3
PL.47712	PL.48263	C	6 A (CWC)	7.19Y	119.8	0.00	5.18	0.00	0	0	0	100	0.00	0.0	11.739	0.037	0	0	0	0
PL.47571	PL.47712	C	6 A (CWC)	7.19Y	119.8	0.00	5.18	0.00	0	0	0	100	0.00	0.0	11.743	0.004	0	0	0	0
PD.7435	PL.47571	C	40QA	7.19Y	119.8	0.00	5.18	0.00	0	0	0	100	0.00	0.0	11.743	0.004	0	0	0	0
PL.47572	PD.7435	C	6 A (CWC)	7.19Y	119.8	0.00	5.18	0.00	0	0	0	100	0.00	0.0	12.198	0.455	0	0	0	0
PL.47573	PL.47572	C	6 A (CWC)	7.19Y	119.8	0.00	5.18	0.00	0	0	0	100	0.00	0.0	12.490	0.293	0	0	0	0
PL.47210	PL.47573	C	6 A (CWC)	7.19Y	119.8	0.00	5.18	0.00	0	0	0	100	0.00	0.0	12.697	0.207	0	0	0	0
PL.47634	PL.47572	C	6 A (CWC)	7.19Y	119.8	0.00	5.18	0.00	0	0	0	100	0.00	0.0	12.353	0.155	0	0	0	0
PL.64764	PL.48263	C	6 A (CWC)	7.19Y	119.8	0.00	5.19	2.02	1	14	3	98	0.00	0.0	11.742	0.040	0	0	0	2
PL.64765	PL.64764	C	6 A (CWC)	7.19Y	119.8	0.01	5.19	2.02	1	14	3	98	0.00	0.0	11.804	0.063	0	0	0	2
PL.47739	PL.64765	C	6 A (CWC)	7.19Y	119.8	0.00	5.19	0.00	0	0	0	100	0.00	0.0	12.076	0.271	0	0	0	0
PL.47574	PL.64765	C	6 A (CWC)	7.19Y	119.8	0.04	5.23	2.02	1	14	3	98	0.00	0.0	12.210	0.405	0	0	1	2
PL.47575	PL.47574	C	6 A (CWC)	7.19Y	119.8	0.00	5.23	2.02	1	14	3	98	0.00	0.0	12.264	0.055	14	3	1	1
PL.60053	PL.47575	C	6 A (CWC)	7.19Y	119.8	0.00	5.23	0.00	0	0	0	100	0.00	0.0	12.268	0.003	0	0	0	0

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Balanced Voltage Drop Report  
Source: Brodhead

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.8849	PL.60053	C	12T	7.19Y	119.8	0.00	5.23	0.00	0	0	0	100	0.00	0.0	12.268	0.003	0	0	0	0
PL.59748	PD.8849	C	6 A (CWC)	7.19Y	119.8	0.00	5.23	0.00	0	0	0	100	0.00	0.0	12.307	0.039	0	0	0	0
PL.60052	PL.59748	C	6 A (CWC)	7.19Y	119.8	0.00	5.23	0.00	0	0	0	100	0.00	0.0	12.339	0.032	0	0	0	0
PL.47207	PL.60052	C	6 A (CWC)	7.19Y	119.8	0.00	5.23	0.00	0	0	0	100	0.00	0.0	12.402	0.063	0	0	0	0
PL.48572	PL.60052	C	6 A (CWC)	7.19Y	119.8	0.00	5.23	0.00	0	0	0	100	0.00	0.0	13.023	0.683	0	0	0	0
PL.59749	PL.60047	C	6 A (CWC)	7.20Y	120.0	0.02	4.99	1.36	1	10	2	98	0.00	0.0	10.821	0.261	0	0	0	3
PD.8850	PL.59749	C	20T	7.20Y	120.0	0.00	4.99	1.36	0	10	2	98	0.00	0.0	10.821	0.261	0	0	0	3
PL.59750	PD.8850	C	6 A (CWC)	7.20Y	120.0	0.00	4.99	1.36	1	10	2	98	0.00	0.0	10.842	0.021	1	0	1	3
PL.47152	PL.59750	C	6 A (CWC)	7.20Y	120.0	0.00	5.00	1.16	1	8	2	97	0.00	0.0	11.020	0.178	8	2	1	2
PL.47153	PL.47152	C	6 A (CWC)	7.20Y	120.0	0.00	5.00	0.01	0	0	0	100	0.00	0.0	11.077	0.057	0	0	1	1
PL.46891	PL.59750	C	6 A (CWC)	7.20Y	120.0	0.00	4.99	0.00	0	0	0	100	0.00	0.0	10.935	0.093	0	0	0	0
PL.47535	PL.47371	C	6 A (CWC)	7.20Y	120.1	0.00	4.93	0.00	0	0	0	100	0.00	0.0	10.643	0.178	0	0	0	0
PL.47369	PL.60128	C	6 A (CWC)	7.21Y	120.2	0.01	4.75	2.54	2	18	4	98	0.00	0.0	10.155	0.085	8	2	1	2
PL.47370	PL.47369	C	6 A (CWC)	7.21Y	120.2	0.00	4.75	1.37	1	10	2	98	0.00	0.0	10.269	0.114	10	2	1	1
PL.46944	PL.47632	C	6 A (CWC)	7.22Y	120.3	0.00	4.69	1.52	1	11	2	98	0.00	0.0	10.058	0.082	11	2	1	1
PL.60130	PL.47569	C	6 A (CWC)	7.23Y	120.6	0.01	4.45	4.51	3	32	7	98	0.00	0.0	9.684	0.055	0	0	0	6
PD.8917	PL.60130	C	25T	7.23Y	120.6	0.00	4.45	4.51	0	32	7	98	0.00	0.0	9.684	0.055	0	0	0	6
PL.60131	PD.8917	C	6 A (CWC)	7.23Y	120.5	0.03	4.48	4.51	3	32	7	98	0.01	0.0	9.854	0.170	3	1	1	6
PL.60129	PL.60131	C	6 A (CWC)	7.23Y	120.5	0.05	4.52	3.98	3	28	6	98	0.01	0.0	10.107	0.253	0	0	0	4
PL.48169	PL.60129	C	6 A (CWC)	7.23Y	120.5	0.00	4.53	0.60	0	4	1	97	0.00	0.0	10.165	0.058	4	1	1	1
PL.47651	PL.60129	C	6 A (CWC)	7.23Y	120.4	0.03	4.55	3.38	2	24	5	98	0.00	0.0	10.286	0.179	0	0	0	3
PL.46940	PL.47651	C	6 A (CWC)	7.23Y	120.4	0.00	4.56	0.65	0	5	1	98	0.00	0.0	10.408	0.121	0	0	0	1
PL.46941	PL.46940	C	6 A (CWC)	7.23Y	120.4	0.00	4.56	0.65	0	5	1	98	0.00	0.0	10.531	0.123	5	1	1	1
PL.47266	PL.46940	C	6 A (CWC)	7.23Y	120.4	0.00	4.56	0.00	0	0	0	100	0.00	0.0	10.623	0.215	0	0	0	0
PL.60132	PL.47651	C	6 A (CWC)	7.23Y	120.4	0.01	4.57	2.72	2	19	4	98	0.00	0.0	10.398	0.112	0	0	0	2
PD.8918	PL.60132	C	10T	7.23Y	120.4	0.00	4.57	2.72	0	19	4	98	0.00	0.0	10.398	0.112	0	0	0	2
PL.60133	PD.8918	C	6 A (CWC)	7.23Y	120.4	0.01	4.57	2.72	2	19	4	98	0.00	0.0	10.458	0.060	12	3	1	2
PL.46939	PL.60133	C	6 A (CWC)	7.23Y	120.4	0.00	4.57	1.03	1	7	2	96	0.00	0.0	10.614	0.156	7	2	1	1
PL.63711	PL.60131	C	#1/0 ACSR	7.23Y	120.5	0.00	4.48	0.08	0	1	0	100	0.00	0.0	9.917	0.063	1	0	1	1
PL.48105	PL.48104	C	#4 ACSR	7.25Y	120.8	0.00	4.23	4.10	3	29	6	98	0.00	0.0	9.330	0.001	0	0	0	11
PD.7437	PL.48105	C	30QA	7.25Y	120.8	0.00	4.23	4.10	14	29	6	98	0.00	0.0	9.330	0.001	0	0	0	11

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.46942	PD.7437	C	#4 ACSR	7.24Y	120.7	0.08	4.31	4.10	3	29	6	98	0.02	0.1	9.858	0.528	8	2	1	11
PL.47154	PL.46942	C	#4 ACSR	7.24Y	120.7	0.01	4.32	2.93	2	21	5	97	0.00	0.0	9.919	0.062	0	0	0	10
PL.47420	PL.47154	C	#4 ACSR	7.24Y	120.7	0.01	4.33	1.79	1	13	3	97	0.00	0.0	10.074	0.154	4	1	1	6
PL.47421	PL.47420	C	#4 ACSR	7.24Y	120.7	0.00	4.33	1.25	1	9	2	98	0.00	0.0	10.097	0.024	5	1	1	5
PL.47422	PL.47421	C	#4 ACSR	7.24Y	120.7	0.00	4.34	0.49	0	3	1	95	0.00	0.0	10.338	0.241	1	0	1	4
PL.48264	PL.47422	C	#4 ACSR	7.24Y	120.7	0.00	4.34	0.41	0	3	1	95	0.00	0.0	10.383	0.045	0	0	1	3
PL.46930	PL.48264	C	#4 ACSR	7.24Y	120.7	0.00	4.34	0.38	0	3	1	95	0.00	0.0	10.583	0.200	0	0	1	2
PL.48575	PL.46930	C	#4 ACSR	7.24Y	120.7	0.00	4.34	0.37	0	3	1	95	0.00	0.0	10.693	0.110	3	1	1	1
PL.47277	PL.47154	C	#4 ACSR	7.24Y	120.7	0.00	4.32	0.26	0	2	0	100	0.00	0.0	10.180	0.261	2	0	3	3
PL.45998	PL.47154	C	#4 ACSR	7.24Y	120.7	0.00	4.32	0.89	1	6	1	99	0.00	0.0	10.080	0.161	6	1	1	1
PL.48365	PL.48364	A	6 A (CWC)	7.25Y	120.8	0.00	4.21	2.31	2	16	4	97	0.00	0.0	9.016	0.001	0	0	0	4
PD.7504	PL.48365	A	40QA	7.25Y	120.8	0.00	4.21	2.31	6	16	4	97	0.00	0.0	9.016	0.001	0	0	0	4
PL.48366	PD.7504	A	6 A (CWC)	7.25Y	120.8	0.00	4.22	2.31	2	16	4	97	0.00	0.0	9.077	0.061	10	2	1	4
PL.48367	PL.48366	A	6 A (CWC)	7.25Y	120.8	0.00	4.22	0.94	1	7	1	99	0.00	0.0	9.107	0.030	4	1	2	3
PL.48368	PL.48367	A	6 A (CWC)	7.25Y	120.8	0.00	4.22	0.44	0	3	1	95	0.00	0.0	9.278	0.171	0	0	0	1
PL.48369	PL.48368	A	6 A (CWC)	7.25Y	120.8	0.00	4.22	0.00	0	0	0	100	0.00	0.0	9.398	0.120	0	0	0	0
PL.48370	PL.48369	A	6 A (CWC)	7.25Y	120.8	0.00	4.22	0.00	0	0	0	100	0.00	0.0	9.594	0.196	0	0	0	0
PL.47729	PL.48368	A	#4 ACSR	7.25Y	120.8	0.00	4.22	0.44	0	3	1	95	0.00	0.0	9.330	0.052	3	1	1	1
PL.47150	PL.48367	A	#4 ACSR	7.25Y	120.8	0.00	4.22	0.00	0	0	0	100	0.00	0.0	9.172	0.064	0	0	0	0
PL.48357	PL.48356	C	#2 ACSR	7.25Y	120.8	0.00	4.17	1.76	1	12	3	97	0.00	0.0	8.590	0.005	0	0	0	2
PD.7434	PL.48357	C	40QA	7.25Y	120.8	0.00	4.17	1.76	4	12	3	97	0.00	0.0	8.590	0.005	0	0	0	2
PL.48358	PD.7434	C	#2 ACSR	7.25Y	120.8	0.00	4.17	1.76	1	12	3	97	0.00	0.0	8.629	0.040	8	2	1	2
PL.48359	PL.48358	C	#2 ACSR	7.25Y	120.8	0.00	4.17	0.59	0	4	1	97	0.00	0.0	8.700	0.071	4	1	1	1
PL.59164	PL.59407	A	#2 ACSR	7.25Y	120.9	0.00	4.11	0.00	0	0	0	100	0.00	0.0	8.128	0.001	0	0	0	1
PD.7502	PL.59164	A	25QA	7.25Y	120.9	0.00	4.11	0.00	0	0	0	100	0.00	0.0	8.128	0.001	0	0	0	1
PL.48347	PD.7502	A	#2 ACSR	7.25Y	120.9	0.00	4.11	0.00	0	0	0	100	0.00	0.0	8.226	0.097	0	0	1	1
PL.46656	PL.60107	ABC	#2 ACSR	7.26Y	120.9	0.00	4.06	0.25	0	5	2	93	0.00	0.0	7.733	0.001	0	0	0	2
PD.7543	PL.46656	ABC	40QA	7.26Y	120.9	0.00	4.06	0.25	1	5	2	93	0.00	0.0	7.733	0.001	0	0	0	2
PL.46657	PD.7543	ABC	#2 ACSR	7.26Y	120.9	0.00	4.06	0.25	0	5	2	93	0.00	0.0	7.761	0.027	5	2	2	2
PL.60108	PL.60106	ABC	336 MCM AC	7.26Y	120.9	0.02	4.08	33.59	6	703	203	96	0.09	0.0	7.795	0.095	0	0	0	79
PL.60111	PL.60108	ABC	#1/0 ACSR	7.25Y	120.9	0.01	4.09	10.83	5	217	92	92	0.02	0.0	7.857	0.062	2	0	2	13

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.60113	PL.60111	ABC	#1/0 ACSR	7.25Y	120.9	0.01	4.11	10.74	5	215	92	92	0.02	0.0	7.927	0.069	0	0	0	11
PL.60115	PL.60113	ABC	#1/0 ACSR	7.25Y	120.9	0.00	4.11	9.02	4	178	84	90	0.01	0.0	7.953	0.026	0	0	0	6
PL.60117	PL.60115	ABC	#1/0 ACSR	7.25Y	120.9	0.01	4.12	8.62	4	169	82	90	0.01	0.0	8.009	0.056	0	0	0	2
PL.60118	PL.60117	B	#4 ACSR	7.25Y	120.9	0.00	4.12	0.13	0	1	0	100	0.00	0.0	8.038	0.029	1	0	1	1
PL.60378	PL.60117	ABC	#1/0 ACSR	7.25Y	120.9	0.00	4.12	8.58	4	168	81	90	0.00	0.0	8.044	0.035	168	81	1	1
PL.60116	PL.60115	A	#1/0 ACSR	7.25Y	120.9	0.00	4.11	1.21	1	9	2	98	0.00	0.0	7.956	0.004	0	0	0	4
PD.8914	PL.60116	A	40QA	7.25Y	120.9	0.00	4.11	1.21	3	9	2	98	0.00	0.0	7.956	0.004	0	0	0	4
PL.60381	PD.8914	A	#1/0 ACSR	7.25Y	120.9	0.00	4.11	1.21	1	9	2	98	0.00	0.0	8.082	0.126	0	0	1	4
PL.60382	PL.60381	A	#4 ACSR	7.25Y	120.9	0.00	4.11	0.00	0	0	0	100	0.00	0.0	8.187	0.105	0	0	0	0
PL.60380	PL.60381	A	#4 ACSR	7.25Y	120.9	0.00	4.12	1.21	1	9	2	98	0.00	0.0	8.136	0.054	0	0	0	3
PL.60379	PL.60380	A	#4 ACSR	7.25Y	120.9	0.00	4.12	1.21	1	9	2	98	0.00	0.0	8.182	0.046	7	1	2	3
PL.61971	PL.60379	A	#1/0 ACSR	7.25Y	120.9	0.00	4.12	0.29	0	2	0	100	0.00	0.0	8.258	0.076	2	0	1	1
PL.60114	PL.60113	C	#1/0 ACSR	7.25Y	120.9	0.00	4.11	5.28	2	37	8	98	0.00	0.0	7.930	0.003	0	0	0	5
PD.8913	PL.60114	C	40QA	7.25Y	120.9	0.00	4.11	5.28	13	37	8	98	0.00	0.0	7.930	0.003	0	0	0	5
PL.60112	PD.8913	C	#1/0 ACSR	7.25Y	120.9	0.01	4.11	5.28	2	37	8	98	0.00	0.0	7.983	0.053	0	0	0	5
PL.60119	PL.60112	C	#1/0 ACSR	7.25Y	120.9	0.00	4.11	1.99	1	14	3	98	0.00	0.0	7.991	0.008	14	3	2	2
PL.60120	PL.60112	C	#1/0 ACSR	7.25Y	120.9	0.00	4.12	3.28	1	23	5	98	0.00	0.0	8.011	0.028	0	0	0	3
PL.60121	PL.60120	C	#1/0 ACSR	7.25Y	120.9	0.00	4.12	2.35	1	17	4	97	0.00	0.0	8.039	0.028	9	2	1	2
PL.60122	PL.60121	C	#1/0 ACSR	7.25Y	120.9	0.00	4.12	1.08	0	8	2	97	0.00	0.0	8.069	0.030	8	2	1	1
PL.60123	PL.60120	C	#1/0 ACSR	7.25Y	120.9	0.00	4.12	0.93	0	7	1	99	0.00	0.0	8.047	0.035	7	1	1	1
PL.60124	PL.60123	C	#1/0 ACSR	7.25Y	120.9	0.00	4.12	0.00	0	0	0	100	0.00	0.0	8.164	0.118	0	0	0	0
PL.60110	PL.60108	ABC	336 MCM AC	7.25Y	120.9	0.02	4.10	22.88	4	486	110	98	0.05	0.0	7.898	0.103	0	0	0	66
PL.60109	PL.60110	ABC	336 MCM AC	7.25Y	120.9	0.01	4.11	22.88	4	486	110	98	0.03	0.0	7.959	0.061	0	0	0	66
PL.47924	PL.60109	ABC	336 MCM AC	7.25Y	120.9	0.01	4.12	22.88	4	486	110	98	0.03	0.0	8.027	0.068	0	0	0	66
PL.52658	PL.47924	ABC	336 MCM AC	7.25Y	120.9	0.00	4.12	3.43	1	73	16	98	0.00	0.0	8.105	0.078	0	0	0	10
PL.52659	PL.52658	A	#4 ACSR	7.25Y	120.9	0.00	4.12	10.28	8	73	16	98	0.00	0.0	8.106	0.002	0	0	0	10
PD.7976	PL.52659	A	50QA	7.25Y	120.9	0.00	4.12	10.28	21	73	16	98	0.00	0.0	8.106	0.002	0	0	0	10
PL.52660	PD.7976	A	#4 ACSR	7.25Y	120.9	0.01	4.13	10.28	8	73	16	98	0.00	0.0	8.125	0.019	10	2	1	10
PL.47929	PL.52660	A	#4 ACSR	7.25Y	120.9	0.01	4.13	8.91	7	63	14	98	0.00	0.0	8.143	0.018	0	0	0	9
PL.48709	PL.47929	A	#4 ACSR	7.25Y	120.8	0.05	4.19	7.85	6	56	12	98	0.02	0.0	8.300	0.157	0	0	0	8
PL.48710	PL.48709	A	#2 ACSR	7.25Y	120.8	0.00	4.19	2.81	2	20	4	98	0.00	0.0	8.316	0.016	9	2	1	2

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Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky  
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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
-----																				
PL.48711	PL.48710	A	#2 ACSR	7.25Y	120.8	0.00	4.19	1.50	1	11	2	98	0.00	0.0	8.343	0.027	11	2	1	1
PL.47642	PL.48709	A	#4 ACSR	7.25Y	120.8	0.02	4.21	5.04	4	36	8	98	0.01	0.0	8.397	0.097	2	1	1	6
PL.48712	PL.47642	A	#4 ACSR	7.25Y	120.8	0.02	4.23	4.72	4	33	7	98	0.01	0.0	8.509	0.112	0	0	0	5
PL.48713	PL.48712	A	#4 ACSR	7.25Y	120.8	0.00	4.23	0.53	0	4	1	97	0.00	0.0	8.557	0.049	0	0	0	1
PL.47698	PL.48713	A	#4 ACSR	7.25Y	120.8	0.00	4.23	0.00	0	0	0	100	0.00	0.0	8.613	0.056	0	0	0	0
PL.48714	PL.48713	A	#4 ACSR	7.25Y	120.8	0.00	4.23	0.53	0	4	1	97	0.00	0.0	8.653	0.096	4	1	1	1
PL.48715	PL.48712	A	#4 ACSR	7.24Y	120.7	0.04	4.27	4.18	3	30	7	97	0.01	0.0	8.720	0.211	0	0	0	4
PL.48718	PL.48715	A	#4 ACSR	7.24Y	120.7	0.00	4.27	0.73	1	5	1	98	0.00	0.0	8.836	0.116	5	1	1	1
PL.48719	PL.48718	A	#4 ACSR	7.24Y	120.7	0.00	4.27	0.00	0	0	0	100	0.00	0.0	8.890	0.054	0	0	0	0
PL.48716	PL.48715	A	#4 ACSR	7.24Y	120.7	0.02	4.29	3.46	3	24	5	98	0.00	0.0	8.831	0.111	5	1	1	3
PL.48717	PL.48716	A	#4 ACSR	7.24Y	120.7	0.00	4.29	2.78	2	20	4	98	0.00	0.0	8.843	0.012	20	4	2	2
PL.48707	PL.47929	A	#4 ACSR	7.25Y	120.9	0.00	4.14	1.06	1	7	2	96	0.00	0.0	8.211	0.068	0	0	0	1
PL.48708	PL.48707	A	#4 ACSR	7.25Y	120.9	0.01	4.15	1.06	1	7	2	96	0.00	0.0	8.660	0.449	7	2	1	1
PL.47925	PL.47924	B	6 A (CWC)	7.25Y	120.9	0.03	4.15	58.36	42	413	94	98	0.10	0.0	8.039	0.012	0	0	0	56
PL.63443	PL.47925	B	6 A (CWC)	7.25Y	120.8	0.05	4.20	58.36	42	413	94	98	0.16	0.0	8.058	0.019	5	1	1	56
PL.63444	PL.63443	B	6 A (CWC)	7.25Y	120.8	0.00	4.20	57.72	41	408	93	97	0.00	0.0	8.058	0.000	5	1	1	55
PL.57901	PL.63444	B	6 A (CWC)	7.23Y	120.5	0.27	4.47	56.98	41	403	91	98	0.83	0.2	8.163	0.105	0	0	0	54
PL.47926	PL.57901	B	6 A (CWC)	7.23Y	120.5	0.00	4.47	56.98	41	402	91	98	0.01	0.0	8.164	0.001	0	0	0	54
PD.9378	PL.47926	B	40T	7.23Y	120.5	0.00	4.47	56.98	0	402	91	98	0.00	0.0	8.164	0.001	0	0	0	54
PL.47927	PD.9378	B	6 A (CWC)	7.23Y	120.5	0.07	4.55	56.98	41	402	91	98	0.23	0.1	8.194	0.029	0	0	0	54
PL.63441	PL.47927	B	6 A (CWC)	7.22Y	120.3	0.13	4.68	56.98	41	402	91	98	0.40	0.1	8.245	0.051	0	0	0	54
PL.63442	PL.63441	B	6 A (CWC)	7.22Y	120.3	0.00	4.68	56.98	41	401	90	98	0.00	0.0	8.245	0.000	0	0	0	54
PL.47928	PL.63442	B	6 A (CWC)	7.20Y	120.0	0.31	4.99	55.45	40	391	88	98	0.93	0.2	8.372	0.127	8	2	1	53
PL.48720	PL.47928	B	6 A (CWC)	7.18Y	119.7	0.29	5.28	54.28	39	381	86	98	0.84	0.2	8.489	0.117	0	0	0	52
PL.46890	PL.48720	B	6 A (CWC)	7.18Y	119.7	0.00	5.28	1.64	1	11	3	96	0.00	0.0	8.548	0.059	11	3	1	1
PL.48416	PL.48720	B	6 A (CWC)	7.18Y	119.6	0.14	5.41	52.64	38	369	83	98	0.38	0.1	8.548	0.059	20	5	2	51
PL.48417	PL.48416	B	6 A (CWC)	7.17Y	119.5	0.11	5.52	49.73	36	348	78	98	0.29	0.1	8.598	0.050	7	2	2	49
PL.65742	PL.48417	B	6 A (CWC)	7.17Y	119.5	0.01	5.53	37.91	27	265	59	98	0.01	0.0	8.601	0.003	0	0	0	33
PD.9584	PL.65742	B	50T	7.17Y	119.5	0.00	5.53	37.91	0	265	59	98	0.00	0.0	8.601	0.003	0	0	0	33
PL.65743	PD.9584	B	6 A (CWC)	7.16Y	119.4	0.08	5.61	37.91	27	265	59	98	0.15	0.1	8.647	0.046	26	6	1	33
PL.47659	PL.65743	B	6 A (CWC)	7.16Y	119.4	0.00	5.61	1.46	1	10	2	98	0.00	0.0	8.684	0.037	10	2	1	1

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Balanced Voltage Drop Report  
Source: Brodhead

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

-----																				
Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
-----																				
PL.48655	PL.65743	B	6 A (CWC)	7.16Y	119.4	0.03	5.64	5.42	4	38	8	98	0.01	0.0	8.774	0.126	0	0	0	6
PL.47155	PL.48655	B	#2 ACSR	7.16Y	119.4	0.00	5.64	0.00	0	0	0	100	0.00	0.0	8.825	0.051	0	0	0	0
PL.48657	PL.48655	B	6 A (CWC)	7.16Y	119.3	0.03	5.67	5.42	4	38	8	98	0.01	0.0	8.905	0.131	0	0	0	6
PL.47650	PL.48657	B	6 A (CWC)	7.16Y	119.3	0.00	5.67	0.20	0	1	0	100	0.00	0.0	8.937	0.032	1	0	1	1
PL.48659	PL.48657	B	6 A (CWC)	7.16Y	119.3	0.00	5.67	1.24	1	9	2	98	0.00	0.0	8.966	0.061	6	1	1	2
PL.64762	PL.48659	B	6 A (CWC)	7.16Y	119.3	0.00	5.67	0.39	0	3	1	95	0.00	0.0	8.966	0.000	0	0	0	1
PL.64763	PL.64762	B	6 A (CWC)	7.16Y	119.3	0.00	5.67	0.39	0	3	1	95	0.00	0.0	9.051	0.085	3	1	1	1
PL.48660	PL.48657	B	6 A (CWC)	7.16Y	119.3	0.00	5.67	3.97	3	28	6	98	0.00	0.0	8.937	0.033	15	3	1	3
PL.48661	PL.48660	B	6 A (CWC)	7.16Y	119.3	0.00	5.67	1.85	1	13	3	97	0.00	0.0	8.979	0.042	13	3	2	2
PL.64756	PL.65743	B	6 A (CWC)	7.16Y	119.3	0.11	5.72	27.35	20	191	43	98	0.17	0.1	8.739	0.092	0	0	0	25
PD.9557	PL.64756	B	20T	7.16Y	119.3	0.00	5.72	27.35	0	191	43	98	0.00	0.0	8.739	0.092	0	0	0	25
PL.64757	PD.9557	B	6 A (CWC)	7.15Y	119.2	0.11	5.83	27.35	20	191	43	98	0.16	0.1	8.826	0.086	0	0	0	25
PL.64758	PL.64757	B	6 A (CWC)	7.15Y	119.2	0.00	5.83	27.35	20	191	43	98	0.00	0.0	8.826	0.000	5	1	1	25
PL.48246	PL.64758	B	6 A (CWC)	7.15Y	119.2	0.00	5.83	1.88	1	13	3	97	0.00	0.0	8.868	0.042	0	0	0	2
PL.48247	PL.48246	B	6 A (CWC)	7.15Y	119.2	0.01	5.83	1.88	1	13	3	97	0.00	0.0	8.989	0.121	13	3	2	2
PL.48666	PL.64758	B	6 A (CWC)	7.15Y	119.1	0.03	5.86	24.77	18	173	39	98	0.05	0.0	8.856	0.030	0	0	0	22
PL.58934	PL.48666	B	6 A (CWC)	7.15Y	119.1	0.03	5.89	24.77	18	173	39	98	0.04	0.0	8.882	0.025	4	1	1	22
PL.58935	PL.58934	B	6 A (CWC)	7.14Y	119.0	0.14	6.03	24.15	17	168	38	98	0.18	0.1	9.010	0.128	1	0	1	21
PL.48345	PL.58935	B	6 A (CWC)	7.14Y	119.0	0.01	6.04	1.11	1	8	2	97	0.00	0.0	9.207	0.197	0	0	0	1
PL.48346	PL.48345	B	6 A (CWC)	7.14Y	119.0	0.00	6.04	1.11	1	8	2	97	0.00	0.0	9.277	0.070	8	2	1	1
PL.48344	PL.58935	B	#4 ACSR	7.13Y	118.9	0.07	6.10	22.90	18	160	36	98	0.09	0.1	9.081	0.071	0	0	0	19
PL.60034	PL.48344	B	#4 ACSR	7.13Y	118.8	0.06	6.16	22.90	18	159	36	98	0.07	0.0	9.140	0.059	5	1	1	19
PL.60035	PL.60034	B	#4 ACSR	7.13Y	118.8	0.04	6.19	22.26	17	155	34	98	0.04	0.0	9.179	0.039	22	5	1	18
PL.60036	PL.60035	B	#4 ACSR	7.13Y	118.8	0.03	6.22	19.16	15	133	30	98	0.03	0.0	9.210	0.032	4	1	1	17
PL.60248	PL.60036	B	#2 ACSR	7.13Y	118.8	0.02	6.24	18.60	11	129	29	98	0.02	0.0	9.245	0.035	0	0	0	16
PL.60249	PL.60248	B	#2 ACSR	7.12Y	118.7	0.03	6.26	18.60	11	129	29	98	0.02	0.0	9.292	0.047	8	2	1	16
PL.37520	PL.60249	B	#4 ACSR	7.12Y	118.7	0.02	6.29	17.46	13	121	27	98	0.02	0.0	9.320	0.028	1	0	1	15
PL.37519	PL.37520	B	#4 ACSR	7.12Y	118.7	0.03	6.32	17.35	13	121	27	98	0.03	0.0	9.369	0.049	17	4	4	14
PL.37518	PL.37519	B	#4 ACSR	7.12Y	118.6	0.03	6.35	14.95	12	104	23	98	0.02	0.0	9.421	0.051	12	3	1	10
PL.37244	PL.37518	B	#4 ACSR	7.12Y	118.6	0.02	6.37	11.36	9	79	18	98	0.01	0.0	9.461	0.040	0	0	0	8
PL.37243	PL.37244	B	#4 ACSR	7.12Y	118.6	0.04	6.41	8.39	6	58	13	98	0.02	0.0	9.560	0.100	0	0	0	5

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

-----																				
Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
-----																				
PL.37817	PL.37243	B	#4 ACSR	7.12Y	118.6	0.01	6.41	2.07	2	14	3	98	0.00	0.0	9.685	0.124	14	3	1	1
PL.37242	PL.37243	B	6 A (CWC)	7.11Y	118.6	0.01	6.42	6.32	5	44	10	98	0.00	0.0	9.609	0.049	0	0	0	4
PL.36877	PL.37242	B	6 A (CWC)	7.11Y	118.6	0.01	6.43	4.14	3	29	6	98	0.00	0.0	9.680	0.070	20	4	2	3
PL.60247	PL.36877	B	6 A (CWC)	7.11Y	118.6	0.00	6.43	1.33	1	9	2	98	0.00	0.0	9.683	0.003	0	0	0	1
PD.8951	PL.60247	B	12T	7.11Y	118.6	0.00	6.43	1.33	0	9	2	98	0.00	0.0	9.683	0.003	0	0	0	1
PL.60246	PD.8951	B	6 A (CWC)	7.11Y	118.6	0.00	6.43	1.33	1	9	2	98	0.00	0.0	9.741	0.058	0	0	0	1
PL.60244	PL.60246	B	6 A (CWC)	7.11Y	118.5	0.03	6.46	1.33	1	9	2	98	0.00	0.0	10.161	0.420	0	0	0	1
PL.60243	PL.60244	B	6 A (CWC)	7.11Y	118.5	0.00	6.46	0.00	0	0	0	100	0.00	0.0	10.221	0.061	0	0	0	0
PL.60245	PL.60244	B	#4 ACSR	7.11Y	118.5	0.00	6.46	1.33	1	9	2	98	0.00	0.0	10.290	0.130	9	2	1	1
PL.37818	PL.37242	B	#2 ACSR	7.11Y	118.6	0.00	6.42	2.18	1	15	3	98	0.00	0.0	9.648	0.038	15	3	1	1
PL.37779	PL.37244	B	#4 ACSR	7.12Y	118.6	0.00	6.37	2.97	2	21	5	97	0.00	0.0	9.492	0.031	21	5	3	3
PL.37214	PL.37518	B	#1/0 ACSR	7.12Y	118.6	0.00	6.35	1.82	1	13	3	97	0.00	0.0	9.472	0.051	13	3	1	1
PL.65740	PL.48417	B	6 A (CWC)	7.17Y	119.5	0.00	5.53	10.83	8	76	17	98	0.00	0.0	8.602	0.004	0	0	0	14
PD.9583	PL.65740	B	50T	7.17Y	119.5	0.00	5.53	10.83	0	76	17	98	0.00	0.0	8.602	0.004	0	0	0	14
PL.65741	PD.9583	B	6 A (CWC)	7.17Y	119.4	0.04	5.57	10.83	8	76	17	98	0.02	0.0	8.704	0.103	17	4	2	14
PL.64603	PL.65741	B	6 A (CWC)	7.17Y	119.4	0.00	5.57	0.30	0	2	0	100	0.00	0.0	8.753	0.049	2	0	1	1
PL.64604	PL.65741	B	6 A (CWC)	7.16Y	119.4	0.01	5.59	8.15	6	57	13	97	0.01	0.0	8.744	0.039	0	0	0	11
PL.48418	PL.64604	B	6 A (CWC)	7.16Y	119.4	0.01	5.59	5.48	4	38	9	97	0.00	0.0	8.772	0.028	0	0	0	9
PL.48656	PL.48418	B	6 A (CWC)	7.16Y	119.4	0.01	5.60	5.48	4	38	9	97	0.00	0.0	8.825	0.053	4	1	1	9
PL.48658	PL.48656	B	6 A (CWC)	7.16Y	119.4	0.01	5.62	4.92	4	34	8	97	0.00	0.0	8.887	0.062	0	0	0	8
PL.47649	PL.48658	B	6 A (CWC)	7.16Y	119.4	0.00	5.62	2.20	2	15	3	98	0.00	0.0	8.928	0.041	15	3	3	3
PL.48662	PL.48658	B	6 A (CWC)	7.16Y	119.4	0.01	5.62	2.72	2	19	4	98	0.00	0.0	8.934	0.046	1	0	1	5
PL.48663	PL.48662	B	6 A (CWC)	7.16Y	119.4	0.01	5.63	2.58	2	18	4	98	0.00	0.0	8.986	0.053	7	1	2	4
PL.48664	PL.48663	B	6 A (CWC)	7.16Y	119.4	0.00	5.63	1.65	1	12	3	97	0.00	0.0	9.036	0.049	3	1	1	2
PL.47393	PL.48664	B	#4 ACSR	7.16Y	119.4	0.00	5.63	0.00	0	0	0	100	0.00	0.0	9.156	0.120	0	0	0	0
PL.48665	PL.48664	B	6 A (CWC)	7.16Y	119.4	0.00	5.63	1.29	1	9	2	98	0.00	0.0	9.085	0.050	9	2	1	1
PL.47151	PL.64604	B	#1/0 ACSR	7.16Y	119.4	0.00	5.59	2.68	1	19	4	98	0.00	0.0	8.788	0.045	19	4	2	2
PL.47910	PL.63442	B	6 A (CWC)	7.22Y	120.3	0.00	4.68	1.53	1	11	2	98	0.00	0.0	8.338	0.093	11	2	1	1
PL.48649	PL.48648	ABC	#3/0 ACSR	7.26Y	121.1	0.00	3.94	1.09	0	23	6	97	0.00	0.0	7.449	0.055	0	0	1	3
PL.60089	PL.48649	A	#1/0 ACSR	7.26Y	121.1	0.00	3.94	2.55	1	18	4	98	0.00	0.0	7.485	0.036	18	4	1	1
PL.48650	PL.48649	ABC	#3/0 ACSR	7.26Y	121.1	0.00	3.94	0.23	0	5	2	93	0.00	0.0	7.482	0.033	5	2	1	1

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.57742	PL.48648	C	#1/0 ACSR	7.26Y	121.1	0.00	3.94	0.79	0	6	1	99	0.00	0.0	7.442	0.049	6	1	1	1
PL.51562	PL.51561	B	#4 ACSR	7.27Y	121.2	0.00	3.84	0.28	0	2	0	100	0.00	0.0	7.260	0.001	0	0	0	1
PD.7458	PL.51562	B	50QA	7.27Y	121.2	0.00	3.84	0.28	1	2	0	100	0.00	0.0	7.260	0.001	0	0	0	1
PL.47878	PD.7458	B	#4 ACSR	7.27Y	121.2	0.00	3.84	0.28	0	2	0	100	0.00	0.0	7.277	0.017	2	0	1	1
PL.47763	PL.47668	C	6 A (CWC)	7.28Y	121.4	0.00	3.60	1.97	1	14	3	98	0.00	0.0	6.912	0.001	0	0	0	4
PD.7455	PL.47763	C	50QA	7.28Y	121.4	0.00	3.60	1.97	4	14	3	98	0.00	0.0	6.912	0.001	0	0	0	4
PL.47764	PD.7455	C	6 A (CWC)	7.28Y	121.4	0.00	3.60	1.97	1	14	3	98	0.00	0.0	6.913	0.001	0	0	0	4
PL.46883	PL.47764	C	6 A (CWC)	7.28Y	121.4	0.00	3.60	1.97	1	14	3	98	0.00	0.0	6.959	0.046	0	0	1	4
PL.46884	PL.46883	C	6 A (CWC)	7.28Y	121.4	0.00	3.61	1.97	1	14	3	98	0.00	0.0	7.001	0.042	14	3	3	3
PL.47670	PL.47668	A	6 A (CWC)	7.28Y	121.4	0.00	3.60	2.76	2	20	4	98	0.00	0.0	6.912	0.001	0	0	0	4
PD.7456	PL.47670	A	50QA	7.28Y	121.4	0.00	3.60	2.76	6	20	4	98	0.00	0.0	6.912	0.001	0	0	0	4
PL.47765	PD.7456	A	6 A (CWC)	7.28Y	121.4	0.00	3.60	2.76	2	20	4	98	0.00	0.0	6.966	0.054	15	3	2	4
PL.47766	PL.47765	A	6 A (CWC)	7.28Y	121.4	0.00	3.61	0.66	0	5	1	98	0.00	0.0	7.029	0.063	5	1	2	2
PL.47139	PL.47273	A	#4 ACSR	7.29Y	121.5	0.00	3.52	0.27	0	2	0	100	0.00	0.0	6.797	0.002	0	0	0	1
PD.7492	PL.47139	A	50QA	7.29Y	121.5	0.00	3.52	0.27	1	2	0	100	0.00	0.0	6.797	0.002	0	0	0	1
PL.47140	PD.7492	A	#4 ACSR	7.29Y	121.5	0.00	3.52	0.27	0	2	0	100	0.00	0.0	6.841	0.044	0	0	0	1
PL.47141	PL.47140	A	#4 ACSR	7.29Y	121.5	0.00	3.52	0.27	0	2	0	100	0.00	0.0	6.883	0.043	0	0	0	1
PL.47667	PL.47141	A	#4 ACSR	7.29Y	121.5	0.00	3.52	0.27	0	2	0	100	0.00	0.0	6.907	0.024	2	0	1	1
PL.47349	PL.48580	C	#4 ACSR	7.32Y	122.0	0.00	3.05	3.09	2	22	5	98	0.00	0.0	6.139	0.001	0	0	0	3
PD.7321	PL.47349	C	50QA	7.32Y	122.0	0.00	3.05	3.09	6	22	5	98	0.00	0.0	6.139	0.001	0	0	0	3
PL.47350	PD.7321	C	#4 ACSR	7.32Y	121.9	0.00	3.05	3.09	2	22	5	98	0.00	0.0	6.189	0.050	22	5	3	3
PL.48062	PL.47350	C	#4 ACSR	7.32Y	121.9	0.00	3.05	0.00	0	0	0	100	0.00	0.0	6.242	0.053	0	0	0	0
PL.48064	PL.48066	A	6 A (CWC)	7.32Y	122.0	0.00	3.00	3.64	3	26	6	97	0.00	0.0	6.049	0.001	0	0	0	3
PD.7528	PL.48064	A	50QA	7.32Y	122.0	0.00	3.00	3.64	7	26	6	97	0.00	0.0	6.049	0.001	0	0	0	3
PL.48065	PD.7528	A	6 A (CWC)	7.32Y	122.0	0.01	3.01	3.64	3	26	6	97	0.00	0.0	6.111	0.062	20	5	2	3
PL.48063	PL.48065	A	6 A (CWC)	7.32Y	122.0	0.00	3.01	0.78	1	6	1	99	0.00	0.0	6.211	0.100	6	1	1	1
PL.47767	PL.48065	A	6 A (CWC)	7.32Y	122.0	0.00	3.01	0.00	0	0	0	100	0.00	0.0	6.203	0.092	0	0	0	0
PL.48067	PL.48070	ABC	336 MCM AC	7.33Y	122.1	0.00	2.88	0.00	0	0	0	100	0.00	0.0	5.912	0.080	0	0	0	0
PL.48071	PL.48073	A	#4 ACSR	7.33Y	122.2	0.00	2.82	9.19	7	61	29	90	0.00	0.0	5.741	0.004	0	0	0	3
PD.7570	PL.48071	A	25QA	7.33Y	122.2	0.00	2.82	9.19	37	61	29	90	0.00	0.0	5.741	0.004	0	0	0	3
PL.48072	PD.7570	A	#4 ACSR	7.33Y	122.2	0.01	2.83	9.19	7	61	29	90	0.00	0.0	5.775	0.034	61	29	3	3

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Balanced Voltage Drop Report  
Source: Brodhead

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.47256	PL.47258	C	#4 ACSR	7.35Y	122.4	0.00	2.58	1.17	1	8	2	97	0.00	0.0	5.338	0.003	0	0	0	1
PD.7383	PL.47256	C	50QA	7.35Y	122.4	0.00	2.58	1.17	2	8	2	97	0.00	0.0	5.338	0.003	0	0	0	1
PL.47257	PD.7383	C	#4 ACSR	7.35Y	122.4	0.00	2.58	1.17	1	8	2	97	0.00	0.0	5.351	0.013	8	2	1	1
PL.47263	PL.47855	C	#4 ACSR	7.36Y	122.6	0.00	2.38	2.00	2	14	3	98	0.00	0.0	5.020	0.005	0	0	0	2
PD.7452	PL.47263	C	60QA	7.36Y	122.6	0.00	2.38	2.00	3	14	3	98	0.00	0.0	5.020	0.005	0	0	0	2
PL.47264	PD.7452	C	#4 ACSR	7.36Y	122.6	0.00	2.38	2.00	2	14	3	98	0.00	0.0	5.072	0.051	0	0	0	2
PL.47852	PL.47264	C	#4 ACSR	7.36Y	122.6	0.00	2.39	2.00	2	14	3	98	0.00	0.0	5.120	0.048	4	1	1	2
PL.47853	PL.47852	C	#4 ACSR	7.36Y	122.6	0.01	2.39	1.49	1	11	2	98	0.00	0.0	5.289	0.170	11	2	1	1
PL.47858	PL.48704	ABC	336 MCM AC	7.36Y	122.7	0.05	2.35	72.12	14	1476	598	93	0.33	0.0	4.973	0.075	0	0	0	93
PL.56638	PL.47858	A	#2 ACSR	7.36Y	122.6	0.00	2.35	0.74	0	5	1	98	0.00	0.0	4.977	0.004	0	0	0	1
PD.8324	PL.56638	A	10QA	7.36Y	122.6	0.00	2.35	0.74	0	5	1	98	0.00	0.0	4.977	0.004	0	0	0	1
PL.56639	PD.8324	A	#2 ACSR	7.36Y	122.6	0.00	2.35	0.74	0	5	1	98	0.00	0.0	5.009	0.032	5	1	1	1
PL.47859	PL.47858	ABC	336 MCM AC	7.35Y	122.5	0.11	2.46	71.33	14	1459	593	93	0.81	0.1	5.164	0.191	14	3	5	91
PL.47860	PL.47859	ABC	336 MCM AC	7.35Y	122.5	0.04	2.51	70.68	14	1444	588	93	0.31	0.0	5.239	0.075	0	0	0	86
PL.47806	PL.47860	ABC	336 MCM AC	7.34Y	122.4	0.08	2.59	69.51	13	1419	579	93	0.56	0.0	5.376	0.137	0	0	0	84
PL.47807	PL.47806	ABC	336 MCM AC	7.34Y	122.3	0.09	2.68	69.51	13	1419	578	93	0.63	0.0	5.529	0.154	0	0	0	84
PL.47808	PL.47807	A	6 A (CWC)	7.34Y	122.3	0.00	2.68	1.61	1	12	3	97	0.00	0.0	5.533	0.004	0	0	0	3
PD.7515	PL.47808	A	60QA	7.34Y	122.3	0.00	2.68	1.61	3	12	3	97	0.00	0.0	5.533	0.004	0	0	0	3
PL.59005	PD.7515	A	6 A (CWC)	7.34Y	122.3	0.01	2.69	1.61	1	12	3	97	0.00	0.0	5.604	0.071	0	0	0	3
PL.59006	PL.59005	A	6 A (CWC)	7.34Y	122.3	0.00	2.69	1.61	1	12	3	97	0.00	0.0	5.625	0.021	11	3	2	3
PL.47809	PL.59006	A	6 A (CWC)	7.34Y	122.3	0.00	2.69	0.03	0	0	0	100	0.00	0.0	5.667	0.042	0	0	1	1
PL.46749	PL.47807	ABC	336 MCM AC	7.34Y	122.3	0.03	2.71	68.99	13	1406	574	93	0.22	0.0	5.586	0.056	13	3	1	81
PL.46750	PL.46749	ABC	336 MCM AC	7.33Y	122.1	0.17	2.88	68.40	13	1393	570	93	1.17	0.1	5.883	0.298	10	2	2	80
PL.48076	PL.46750	C	#4 ACSR	7.33Y	122.1	0.00	2.89	10.93	8	78	17	98	0.00	0.0	5.885	0.001	0	0	0	12
PD.7605	PL.48076	C	70L	7.33Y	122.1	0.00	2.89	10.93	16	78	17	98	0.00	0.0	5.885	0.001	0	0	0	12
PL.48077	PD.7605	C	#4 ACSR	7.33Y	122.1	0.01	2.90	10.93	8	78	17	98	0.01	0.0	5.912	0.028	0	0	0	12
PL.48078	PL.48077	C	#4 ACSR	7.33Y	122.1	0.00	2.90	1.84	1	13	3	97	0.00	0.0	5.967	0.055	13	3	2	2
PL.57353	PL.48077	C	#4 ACSR	7.32Y	122.0	0.07	2.97	9.09	7	65	14	98	0.03	0.1	6.084	0.172	0	0	0	10
PL.57352	PL.57353	C	#4 ACSR	7.32Y	122.0	0.00	2.97	0.38	0	3	1	95	0.00	0.0	6.148	0.064	3	1	1	1
PL.57355	PL.57353	C	#4 ACSR	7.32Y	122.0	0.02	2.99	4.85	4	35	8	97	0.01	0.0	6.193	0.108	7	2	1	3
PL.57350	PL.57355	C	#4 ACSR	7.32Y	122.0	0.00	2.99	2.01	2	14	3	98	0.00	0.0	6.299	0.106	14	3	1	1

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Balanced Voltage Drop Report  
Source: Brodhead

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

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
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PL.57927	PL.57355	C	#4 ACSR	7.32Y	122.0	0.00	2.99	1.84	1	13	3	97	0.00	0.0	6.220	0.027	13	3	1	1
PL.57351	PL.57353	C	#4 ACSR	7.32Y	122.0	0.00	2.97	1.02	1	7	2	96	0.00	0.0	6.154	0.070	7	2	2	2
PL.57354	PL.57353	C	#4 ACSR	7.32Y	122.0	0.02	2.99	2.85	2	20	5	97	0.00	0.0	6.265	0.181	0	0	0	4
PL.47911	PL.57354	C	#4 ACSR	7.32Y	122.0	0.00	2.99	1.14	1	8	2	97	0.00	0.0	6.337	0.071	8	2	1	1
PL.47721	PL.57354	C	#4 ACSR	7.32Y	122.0	0.00	2.99	0.47	0	3	1	95	0.00	0.0	6.361	0.096	3	1	1	1
PL.46751	PL.57354	C	#4 ACSR	7.32Y	122.0	0.00	2.99	1.23	1	9	2	98	0.00	0.0	6.320	0.055	0	0	1	2
PL.46892	PL.46751	C	#4 ACSR	7.32Y	122.0	0.02	3.01	1.23	1	9	2	98	0.00	0.0	6.675	0.355	0	0	0	1
PL.47414	PL.46892	C	#4 ACSR	7.32Y	122.0	0.00	3.01	1.23	1	9	2	98	0.00	0.0	6.788	0.114	9	2	1	1
PL.48083	PL.46750	ABC	336 MCM AC	7.33Y	122.1	0.03	2.91	64.34	12	1304	548	92	0.18	0.0	5.936	0.052	2	1	1	66
PL.61955	PL.48083	ABC	336 MCM AC	7.32Y	122.1	0.02	2.93	64.24	12	1301	547	92	0.13	0.0	5.974	0.038	0	0	0	65
PL.65732	PL.61955	ABC	336 MCM AC	7.32Y	122.1	0.01	2.94	64.24	12	1301	547	92	0.06	0.0	5.992	0.019	0	0	0	65
PL.65734	PL.65732	C	#1/0 ACSR	7.32Y	122.1	0.00	2.95	14.98	7	107	24	98	0.00	0.0	5.996	0.003	0	0	0	23
PD.9581	PL.65734	C	20T	7.32Y	122.1	0.00	2.95	14.98	0	107	24	98	0.00	0.0	5.996	0.003	0	0	0	23
PL.65735	PD.9581	C	#1/0 ACSR	7.32Y	122.0	0.02	2.96	14.98	7	107	24	98	0.01	0.0	6.049	0.054	7	2	1	23
PL.48080	PL.65735	C	#4 ACSR	7.32Y	122.0	0.02	2.98	12.87	10	92	20	98	0.01	0.0	6.084	0.034	0	0	0	21
PL.48082	PL.48080	C	#4 ACSR	7.32Y	122.0	0.04	3.02	12.87	10	92	20	98	0.02	0.0	6.146	0.062	1	0	2	21
PL.48081	PL.48082	C	#4 ACSR	7.32Y	122.0	0.02	3.04	12.06	9	86	19	98	0.01	0.0	6.188	0.042	0	0	0	18
PL.48162	PL.48081	C	#4 ACSR	7.32Y	122.0	0.00	3.04	1.16	1	8	2	97	0.00	0.0	6.290	0.101	8	2	1	1
PL.48721	PL.48081	C	#4 ACSR	7.32Y	121.9	0.02	3.06	9.87	8	70	16	97	0.01	0.0	6.241	0.052	13	3	3	14
PL.52683	PL.48721	C	#4 ACSR	7.32Y	121.9	0.00	3.06	2.37	2	17	4	97	0.00	0.0	6.255	0.015	17	4	2	2
PL.48722	PL.48721	C	#4 ACSR	7.32Y	121.9	0.01	3.07	5.72	4	41	9	98	0.00	0.0	6.301	0.060	8	2	3	9
PL.48723	PL.48722	C	#4 ACSR	7.31Y	121.9	0.01	3.09	4.58	4	33	7	98	0.00	0.0	6.369	0.068	10	2	1	6
PL.48724	PL.48723	C	#4 ACSR	7.31Y	121.9	0.01	3.09	3.20	2	23	5	98	0.00	0.0	6.428	0.059	10	2	2	5
PL.64661	PL.48724	C	#4 ACSR	7.31Y	121.9	0.00	3.09	1.45	1	10	2	98	0.00	0.0	6.428	0.000	0	0	0	1
PL.64662	PL.64661	C	#4 ACSR	7.31Y	121.9	0.00	3.09	1.45	1	10	2	98	0.00	0.0	6.458	0.029	10	2	1	1
PL.48725	PL.48724	C	#4 ACSR	7.31Y	121.9	0.00	3.09	0.41	0	3	1	95	0.00	0.0	6.466	0.038	3	1	2	2
PL.46943	PL.48081	C	#4 ACSR	7.32Y	122.0	0.00	3.04	0.06	0	0	0	100	0.00	0.0	6.243	0.055	0	0	1	1
PL.59583	PL.48081	C	#4 ACSR	7.32Y	122.0	0.00	3.04	0.98	1	7	2	96	0.00	0.0	6.247	0.058	0	0	1	2
PL.59582	PL.59583	C	#4 ACSR	7.32Y	122.0	0.00	3.04	0.98	1	7	2	96	0.00	0.0	6.287	0.040	7	2	1	1
PL.59584	PL.59583	C	#4 ACSR	7.32Y	122.0	0.00	3.04	0.00	0	0	0	100	0.00	0.0	6.352	0.106	0	0	0	0
PL.47537	PL.48082	C	#4 ACSR	7.32Y	122.0	0.00	3.02	0.69	1	5	1	98	0.00	0.0	6.193	0.047	5	1	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	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.47434	PL.65735	C	#4 ACSR	7.32Y	122.0	0.00	2.96	1.07	1	8	2	97	0.00	0.0	6.076	0.026	8	2	1	1
PL.65733	PL.65732	ABC	336 MCM AC	7.32Y	121.9	0.12	3.07	59.33	11	1194	523	92	0.72	0.1	6.235	0.243	3	1	1	42
PL.61970	PL.65733	ABC	336 MCM AC	7.31Y	121.9	0.03	3.10	59.20	11	1190	520	92	0.17	0.0	6.294	0.059	7	2	1	41
PL.48728	PL.61970	C	#4 ACSR	7.31Y	121.9	0.00	3.10	4.05	3	29	6	98	0.00	0.0	6.295	0.001	0	0	0	7
PD.7580	PL.48728	C	60QA	7.31Y	121.9	0.00	3.10	4.05	7	29	6	98	0.00	0.0	6.295	0.001	0	0	0	7
PL.48729	PD.7580	C	#4 ACSR	7.31Y	121.9	0.00	3.10	4.05	3	29	6	98	0.00	0.0	6.335	0.040	29	6	7	7
PL.48727	PL.48729	C	#4 ACSR	7.31Y	121.9	0.00	3.10	0.00	0	0	0	100	0.00	0.0	6.355	0.020	0	0	0	0
PL.48726	PL.61970	ABC	336 MCM AC	7.31Y	121.9	0.02	3.11	57.56	11	1155	512	91	0.09	0.0	6.325	0.031	0	0	0	33
PL.48185	PL.48726	ABC	336 MCM AC	7.31Y	121.9	0.03	3.15	57.56	11	1155	512	91	0.19	0.0	6.394	0.069	0	0	0	33
PD.7184-A	PL.48185	ABC	Closed	7.31Y	121.9	0.00	3.15	57.56	0	1154	511	91	0.00	0.0	6.394	0.069	0	0	0	33
PD.7184-B	PD.7184-A	ABC	Closed	7.31Y	121.9	0.00	3.15	57.56	0	1154	511	91	0.00	0.0	6.394	0.069	0	0	0	33
PL.47782	PD.7184-B	ABC	336 MCM AC	7.31Y	121.8	0.02	3.17	57.56	11	1154	511	91	0.11	0.0	6.435	0.041	0	0	0	33
PL.48736	PL.47782	ABC	336 MCM AC	7.31Y	121.8	0.00	3.17	6.19	1	122	59	90	0.00	0.0	6.482	0.047	0	0	0	2
PL.48737	PL.48736	A	#4 ACSR	7.31Y	121.8	0.00	3.17	0.00	0	0	0	100	0.00	0.0	6.514	0.032	0	0	0	0
PD.7545	PL.48737	A	50QA	7.31Y	121.8	0.00	3.17	0.00	0	0	0	100	0.00	0.0	6.514	0.032	0	0	0	0
PL.48738	PD.7545	A	#4 ACSR	7.31Y	121.8	0.00	3.17	0.00	0	0	0	100	0.00	0.0	6.516	0.002	0	0	0	0
PL.48739	PL.48738	A	#4 ACSR	7.31Y	121.8	0.00	3.17	0.00	0	0	0	100	0.00	0.0	6.655	0.139	0	0	0	0
PL.59034	PL.48736	ABC	336 MCM AC	7.31Y	121.8	0.00	3.18	6.19	1	122	59	90	0.00	0.0	6.538	0.056	0	0	0	2
PL.59032	PL.59034	A	#4 ACSR	7.31Y	121.8	0.00	3.18	0.01	0	0	0	100	0.00	0.0	6.550	0.012	0	0	1	1
PL.59035	PL.59034	ABC	336 MCM AC	7.31Y	121.8	0.00	3.18	0.00	0	0	0	100	0.00	0.0	6.666	0.129	0	0	0	0
PL.59033	PL.59034	ABC	1/0 AL URD	7.31Y	121.8	0.00	3.18	6.18	4	122	59	90	0.00	0.0	6.545	0.007	122	59	1	1
PL.46897	PL.47782	ABC	336 MCM AC	7.31Y	121.8	0.02	3.18	51.38	10	1032	452	92	0.08	0.0	6.469	0.034	0	0	0	31
PL.47541	PL.46897	A	#4 ACSR	7.31Y	121.8	0.03	3.21	14.04	11	100	22	98	0.02	0.0	6.517	0.048	0	0	0	19
PL.48732	PL.47541	A	#4 ACSR	7.31Y	121.8	0.00	3.22	14.04	11	100	22	98	0.00	0.0	6.518	0.001	0	0	0	19
PD.7604	PL.48732	A	35L	7.31Y	121.8	0.00	3.22	14.04	40	100	22	98	0.00	0.0	6.518	0.001	0	0	0	19
PL.48733	PD.7604	A	#4 ACSR	7.31Y	121.8	0.01	3.22	14.04	11	100	22	98	0.00	0.0	6.531	0.012	17	4	3	19
PL.48730	PL.48733	A	#4 ACSR	7.31Y	121.8	0.01	3.23	11.72	9	84	19	98	0.01	0.0	6.553	0.023	5	1	1	16
PL.48731	PL.48730	A	#4 ACSR	7.30Y	121.6	0.17	3.40	11.08	9	79	18	98	0.10	0.1	6.912	0.359	5	1	1	15
PL.47457	PL.48731	A	#4 ACSR	7.30Y	121.6	0.01	3.41	2.27	2	16	4	97	0.00	0.0	7.002	0.090	0	0	0	6
PL.47458	PL.47457	A	#4 ACSR	7.30Y	121.6	0.00	3.41	0.52	0	4	1	97	0.00	0.0	7.026	0.023	4	1	4	4
PL.47538	PL.47457	A	#4 ACSR	7.30Y	121.6	0.00	3.41	1.75	1	12	3	97	0.00	0.0	7.055	0.053	12	3	2	2

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

Balanced Voltage Drop Report  
Source: Brodhead

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.48173	PL.48731	A	#4 ACSR	7.29Y	121.5	0.07	3.48	8.07	6	57	13	97	0.03	0.1	7.122	0.210	0	0	0	8
PL.46198	PL.48173	A	#4 ACSR	7.29Y	121.5	0.00	3.48	1.42	1	10	2	98	0.00	0.0	7.189	0.067	10	2	1	1
PL.48174	PL.48173	A	#4 ACSR	7.29Y	121.5	0.02	3.50	6.66	5	47	11	97	0.01	0.0	7.191	0.070	0	0	0	7
PL.48190	PL.48174	A	#4 ACSR	7.29Y	121.5	0.00	3.50	6.66	5	47	11	97	0.00	0.0	7.192	0.000	3	1	1	7
PL.46893	PL.48190	A	#4 ACSR	7.29Y	121.5	0.00	3.50	0.62	0	4	1	97	0.00	0.0	7.254	0.062	4	1	1	1
PL.48255	PL.48190	A	#1/0 ACSR	7.29Y	121.5	0.00	3.50	1.43	1	10	2	98	0.00	0.0	7.192	0.001	0	0	0	1
PL.48256	PL.48255	A	#1/0 ACSR	7.29Y	121.5	0.00	3.50	1.43	1	10	2	98	0.00	0.0	7.305	0.113	10	2	1	1
PL.64597	PL.48190	A	#4 ACSR	7.29Y	121.5	0.02	3.52	4.20	3	30	7	97	0.00	0.0	7.287	0.095	0	0	0	4
PL.64598	PL.64597	A	#4 ACSR	7.29Y	121.5	0.00	3.52	4.20	3	30	7	97	0.00	0.0	7.287	0.000	0	0	1	4
PL.64599	PL.64598	A	#4 ACSR	7.29Y	121.5	0.01	3.52	4.17	3	30	7	97	0.00	0.0	7.340	0.052	8	2	1	3
PL.46933	PL.64599	A	#4 ACSR	7.29Y	121.5	0.00	3.53	3.06	2	22	5	98	0.00	0.0	7.402	0.062	22	5	2	2
PL.46934	PL.46933	A	#4 ACSR	7.29Y	121.5	0.00	3.53	0.00	0	0	0	100	0.00	0.0	7.449	0.047	0	0	0	0
PL.46931	PL.46934	A	#4 ACSR	7.29Y	121.5	0.00	3.53	0.00	0	0	0	100	0.00	0.0	7.543	0.094	0	0	0	0
PL.48734	PL.46897	ABC	336 MCM AC	7.31Y	121.8	0.03	3.21	46.79	9	932	430	91	0.12	0.0	6.533	0.064	19	4	3	12
PL.48735	PL.48734	ABC	336 MCM AC	7.31Y	121.8	0.03	3.25	45.94	9	913	425	91	0.15	0.0	6.617	0.084	0	0	0	9
PL.58950	PL.48735	ABC	336 MCM AC	7.31Y	121.8	0.00	3.25	0.16	0	3	1	95	0.00	0.0	6.625	0.008	0	0	0	2
PL.58899	PL.58950	ABC	336 MCM AC	7.31Y	121.8	0.00	3.25	0.00	0	0	0	100	0.00	0.0	6.679	0.054	0	0	0	0
PL.58900	PL.58899	ABC	336 MCM AC	7.31Y	121.8	0.00	3.25	0.00	0	0	0	100	0.00	0.0	6.717	0.038	0	0	0	0
PL.58897	PL.58900	ABC	336 MCM AC	7.31Y	121.8	0.00	3.25	0.00	0	0	0	100	0.00	0.0	6.719	0.002	0	0	0	0
PD.8750-A	PL.58897	ABC	Open	7.31Y	121.8	0.00	3.25	0.00	0	0	0	100	0.00	0.0	6.719	0.002	0	0	0	0
CP.96	PL.58899	ABC	Cap (300)	7.31Y	121.8	0.00	3.25	0.00	0	0	0	100	0.00	0.0	6.679	0.002	0	0	0	0
PL.58896	PL.58950	C	#4 ACSR	7.31Y	121.8	0.00	3.25	0.48	0	3	1	95	0.00	0.0	6.625	0.000	0	0	0	2
PD.7172	PL.58896	C	60QA	7.31Y	121.8	0.00	3.25	0.48	1	3	1	95	0.00	0.0	6.625	0.000	0	0	0	2
PL.37505	PD.7172	C	#4 ACSR	7.31Y	121.8	0.00	3.25	0.48	0	3	1	95	0.00	0.0	6.731	0.106	3	1	2	2
PL.48740	PL.48735	ABC	336 MCM AC	7.31Y	121.8	0.00	3.25	45.79	9	909	424	91	0.01	0.0	6.627	0.010	853	413	1	7
PL.48741	PL.48740	ABC	336 MCM AC	7.31Y	121.8	0.00	3.25	2.60	1	56	11	98	0.00	0.0	6.673	0.046	0	0	0	6
PD.7534	PL.48741	ABC	60QA	7.31Y	121.8	0.00	3.25	2.60	4	56	11	98	0.00	0.0	6.673	0.046	0	0	0	6
PL.48767	PD.7534	ABC	336 MCM AC	7.31Y	121.8	0.00	3.25	2.60	1	56	11	98	0.00	0.0	6.709	0.036	0	0	0	6
PL.57850	PL.48767	ABC	336 MCM AC	7.31Y	121.8	0.00	3.25	2.60	1	56	11	98	0.00	0.0	6.716	0.007	0	0	0	6
P PL.57852	PL.57850	ABC	1/0 AL URD	7.31Y	121.8	0.00	3.25	-0.02	0	0	0	100	0.00	0.0	6.717	0.001	0	0	0	0 P
PD.7388	PL.57852	ABC	60QA	7.31Y	121.8	0.00	3.25	-0.02	0	0	0	100	0.00	0.0	6.717	0.001	0	0	0	0

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Balanced Voltage Drop Report  
Source: Brodhead

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
P PL.47967	PD.7388	ABC	1/0 AL URD	7.31Y	121.8	-0.00	3.25	-0.02	0	0	0	100	0.00	0.0	6.747	0.030	0	0	0	0 P
PL.57851	PL.57850	ABC	336 MCM AC	7.31Y	121.8	0.00	3.25	2.61	1	56	11	98	0.00	0.0	6.754	0.038	0	0	0	6
PL.47972	PL.57851	ABC	336 MCM AC	7.31Y	121.8	0.00	3.25	1.73	0	37	7	98	0.00	0.0	6.786	0.032	0	0	0	5
PL.47973	PL.47972	ABC	336 MCM AC	7.30Y	121.7	0.00	3.25	1.73	0	37	7	98	0.00	0.0	6.937	0.151	0	0	0	5
PL.61350	PL.47973	ABC	#4 ACSR	7.30Y	121.7	0.00	3.25	-0.04	0	0	-1	0	0.00	0.0	6.938	0.001	0	0	0	0
PD.9149	PL.61350	ABC	60QA	7.30Y	121.7	0.00	3.25	-0.04	0	0	-1	0	0.00	0.0	6.938	0.001	0	0	0	0
PL.61351	PD.9149	ABC	#4 ACSR	7.30Y	121.7	-0.00	3.25	-0.04	0	0	-1	0	0.00	0.0	6.966	0.028	0	0	0	0
PL.61352	PL.61351	ABC	#4 ACSR	7.30Y	121.7	-0.00	3.25	-0.03	0	0	-1	0	0.00	0.0	6.996	0.030	0	0	0	0
PL.61773	PL.61352	ABC	#4 ACSR	7.30Y	121.7	-0.00	3.25	-0.03	0	0	-1	0	0.00	0.0	7.092	0.096	0	0	0	0
PL.48243	PL.61773	ABC	#4 ACSR	7.30Y	121.7	-0.00	3.25	-0.03	0	0	-1	0	0.00	0.0	7.177	0.085	0	0	0	0
PL.51815	PL.48243	ABC	#4 ACSR	7.30Y	121.7	-0.00	3.25	-0.03	0	0	-1	0	0.00	0.0	7.251	0.073	0	0	0	0
PL.51814	PL.51815	ABC	#4 ACSR	7.30Y	121.7	0.00	3.25	0.00	0	0	0	100	0.00	0.0	7.273	0.022	0	0	0	0
P PL.51816	PL.51815	A	#4 ACSR	7.30Y	121.7	-0.00	3.25	-0.09	0	0	-1	0	0.00	0.0	7.319	0.069	0	0	0	0 P
P PL.48838	PL.51816	A	#4 ACSR	7.30Y	121.7	-0.00	3.25	-0.09	0	0	-1	0	0.00	0.0	7.355	0.035	0	0	0	0 P
P PL.48840	PL.48838	A	#4 ACSR	7.30Y	121.7	0.00	3.25	-0.09	0	0	-1	0	0.00	0.0	7.355	0.001	0	0	0	0 P
P PL.48213	PL.48840	A	#4 ACSR	7.30Y	121.7	-0.00	3.25	-0.09	0	0	-1	0	0.00	0.0	7.441	0.086	0	0	0	0 P
P PL.48214	PL.48213	A	#4 ACSR	7.30Y	121.7	-0.00	3.25	-0.09	0	0	-1	0	0.00	0.0	7.478	0.037	0	0	0	0 P
P PL.61357	PL.48214	A	1/0 AL URD	7.30Y	121.7	-0.00	3.25	-0.09	0	0	-1	0	0.00	0.0	7.539	0.061	0	0	0	0 P
P PL.61358	PL.61357	A	1/0 AL URD	7.30Y	121.7	-0.00	3.25	-0.05	0	0	0	100	0.00	0.0	7.564	0.024	0	0	0	0 P
P PL.61356	PL.61358	A	1/0 AL URD	7.30Y	121.7	-0.00	3.25	-0.04	0	0	0	100	0.00	0.0	7.642	0.078	0	0	0	0 P
PL.48839	PL.48838	A	#4 ACSR	7.30Y	121.7	0.00	3.25	0.00	0	0	0	100	0.00	0.0	7.388	0.034	0	0	0	0
PL.48841	PL.48839	A	#4 ACSR	7.30Y	121.7	0.00	3.25	0.00	0	0	0	100	0.00	0.0	7.422	0.033	0	0	0	0
PL.47547	PL.48841	A	#4 ACSR	7.30Y	121.7	0.00	3.25	0.00	0	0	0	100	0.00	0.0	7.484	0.062	0	0	0	0
PL.48212	PL.48841	A	#4 ACSR	7.30Y	121.7	0.00	3.25	0.00	0	0	0	100	0.00	0.0	7.498	0.076	0	0	0	0
PL.48249	PL.48838	A	#4 ACSR	7.30Y	121.7	0.00	3.25	0.00	0	0	0	100	0.00	0.0	7.381	0.026	0	0	0	0
PL.48250	PL.48249	A	#4 ACSR	7.30Y	121.7	0.00	3.25	0.00	0	0	0	100	0.00	0.0	7.404	0.023	0	0	0	0
PL.48245	PL.48250	A	#4 ACSR	7.30Y	121.7	0.00	3.25	0.00	0	0	0	100	0.00	0.0	7.434	0.030	0	0	0	0
P PL.61353	PL.61351	A	1/0 AL URD	7.30Y	121.7	0.00	3.25	-0.03	0	0	0	100	0.00	0.0	6.980	0.013	0	0	0	0 P
P PL.61354	PL.61353	A	1/0 AL URD	7.30Y	121.7	0.00	3.25	-0.02	0	0	0	100	0.00	0.0	7.020	0.041	0	0	0	0 P
P PL.61355	PL.61354	A	1/0 AL URD	7.30Y	121.7	0.00	3.25	0.00	0	0	0	100	0.00	0.0	7.021	0.001	0	0	0	0 P
PL.62314	PL.47973	ABC	336 MCM AC	7.30Y	121.7	0.00	3.25	1.73	0	37	8	98	0.00	0.0	7.016	0.079	0	0	0	5

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Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky  
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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.62083	PL.62314	ABC	336 MCM AC	7.30Y	121.7	0.00	3.25	1.73	0	37	8	98	0.00	0.0	7.053	0.036	0	0	0	5
PL.47975	PL.62083	ABC	336 MCM AC	7.30Y	121.7	0.00	3.25	1.73	0	37	8	98	0.00	0.0	7.096	0.044	0	0	0	5
PL.47976	PL.47975	ABC	336 MCM AC	7.30Y	121.7	0.00	3.25	1.74	0	37	8	98	0.00	0.0	7.139	0.043	0	0	0	5
PL.47981	PL.47976	ABC	336 MCM AC	7.30Y	121.7	0.00	3.25	1.74	0	37	8	98	0.00	0.0	7.178	0.039	0	0	0	5
PL.48817	PL.47981	C	#2 ACSR	7.30Y	121.7	0.00	3.25	0.00	0	0	0	100	0.00	0.0	7.179	0.001	0	0	0	0
PD.7324	PL.48817	C	60QA	7.30Y	121.7	0.00	3.25	0.00	0	0	0	100	0.00	0.0	7.179	0.001	0	0	0	0
PL.48818	PD.7324	C	#2 ACSR	7.30Y	121.7	0.00	3.25	0.00	0	0	0	100	0.00	0.0	7.227	0.049	0	0	0	0
PL.48819	PL.48818	C	#2 ACSR	7.30Y	121.7	0.00	3.25	0.00	0	0	0	100	0.00	0.0	7.248	0.021	0	0	0	0
PL.47511	PL.48819	C	#2 ACSR	7.30Y	121.7	0.00	3.25	0.00	0	0	0	100	0.00	0.0	7.263	0.015	0	0	0	0
PL.47512	PL.47511	C	#2 ACSR	7.30Y	121.7	0.00	3.25	0.00	0	0	0	100	0.00	0.0	7.281	0.018	0	0	0	0
PL.47513	PL.47512	C	#2 ACSR	7.30Y	121.7	0.00	3.25	0.00	0	0	0	100	0.00	0.0	7.296	0.015	0	0	0	0
PL.48191	PL.47513	C	#2 ACSR	7.30Y	121.7	0.00	3.25	0.00	0	0	0	100	0.00	0.0	7.305	0.009	0	0	0	0
PL.48192	PL.48191	C	#2 ACSR	7.30Y	121.7	0.00	3.25	0.00	0	0	0	100	0.00	0.0	7.321	0.015	0	0	0	0
PL.48193	PL.48192	C	#2 ACSR	7.30Y	121.7	0.00	3.25	0.00	0	0	0	100	0.00	0.0	7.345	0.024	0	0	0	0
PL.48194	PL.48193	C	#2 ACSR	7.30Y	121.7	0.00	3.25	0.00	0	0	0	100	0.00	0.0	7.388	0.043	0	0	0	0
PL.47982	PL.47981	ABC	336 MCM AC	7.30Y	121.7	0.00	3.25	1.74	0	37	8	98	0.00	0.0	7.185	0.007	0	0	0	5
PL.61952	PL.47982	ABC	336 MCM AC	7.30Y	121.7	0.00	3.25	1.74	0	37	8	98	0.00	0.0	7.210	0.026	13	3	2	5
PL.61954	PL.61952	ABC	336 MCM AC	7.30Y	121.7	0.00	3.25	0.00	0	0	0	100	0.00	0.0	7.213	0.002	0	0	0	0
PL.61953	PL.61952	A	6 A (CWC)	7.30Y	121.7	0.00	3.26	3.41	2	24	5	98	0.00	0.0	7.224	0.014	0	0	0	3
PD.7389	PL.61953	A	60QA	7.30Y	121.7	0.00	3.26	3.41	6	24	5	98	0.00	0.0	7.224	0.014	0	0	0	3
PL.48824	PD.7389	A	6 A (CWC)	7.30Y	121.7	0.01	3.27	3.41	2	24	5	98	0.00	0.0	7.351	0.127	11	3	2	3
PL.48825	PL.48824	A	6 A (CWC)	7.30Y	121.7	0.00	3.27	1.80	1	13	3	97	0.00	0.0	7.426	0.075	13	3	1	1
P PL.47979	PL.47982	ABC	1/0 AL URD	7.30Y	121.7	0.00	3.25	-0.01	0	0	0	100	0.00	0.0	7.185	0.001	0	0	0	0 P
PD.7500	PL.47979	ABC	60QA	7.30Y	121.7	0.00	3.25	-0.01	0	0	0	100	0.00	0.0	7.185	0.001	0	0	0	0
P PL.47980	PD.7500	ABC	1/0 AL URD	7.30Y	121.7	0.00	3.25	-0.01	0	0	0	100	0.00	0.0	7.199	0.013	0	0	0	0 P
P PL.47978	PL.47975	ABC	1/0 AL URD	7.30Y	121.7	0.00	3.25	-0.01	0	0	0	100	0.00	0.0	7.097	0.001	0	0	0	0 P
PD.7499	PL.47978	ABC	60QA	7.30Y	121.7	0.00	3.25	-0.01	0	0	0	100	0.00	0.0	7.097	0.001	0	0	0	0 P
P PL.47977	PD.7499	ABC	1/0 AL URD	7.30Y	121.7	0.00	3.25	-0.01	0	0	0	100	0.00	0.0	7.119	0.021	0	0	0	0 P
PL.62084	PL.62314	C	#2 ACSR	7.30Y	121.7	0.00	3.25	0.00	0	0	0	100	0.00	0.0	7.017	0.001	0	0	0	0
PD.7482	PL.62084	C	50QA	7.30Y	121.7	0.00	3.25	0.00	0	0	0	100	0.00	0.0	7.017	0.001	0	0	0	0
PL.47974	PD.7482	C	#2 ACSR	7.30Y	121.7	0.00	3.25	0.00	0	0	0	100	0.00	0.0	7.083	0.066	0	0	0	0

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.47970	PL.57851	B	#4 ACSR	7.31Y	121.8	0.00	3.25	2.64	2	19	4	98	0.00	0.0	6.756	0.001	0	0	0	1
PD.7535	PL.47970	B	60QA	7.31Y	121.8	0.00	3.25	2.64	4	19	4	98	0.00	0.0	6.756	0.001	0	0	0	1
PL.47971	PD.7535	B	#4 ACSR	7.30Y	121.7	0.00	3.25	2.64	2	19	4	98	0.00	0.0	6.789	0.033	0	0	0	1
PL.47968	PL.47971	B	#2 ACSR	7.30Y	121.7	0.00	3.25	0.00	0	0	0	100	0.00	0.0	6.800	0.011	0	0	0	0
PL.47969	PL.47968	B	#2 ACSR	7.30Y	121.7	0.00	3.25	0.00	0	0	0	100	0.00	0.0	6.835	0.036	0	0	0	0
PL.47966	PL.47971	B	#4 ACSR	7.30Y	121.7	0.00	3.25	2.64	2	19	4	98	0.00	0.0	6.810	0.020	19	4	1	1
P PL.47173	PD.7534	ABC	1/0 AL URD	7.31Y	121.8	0.00	3.25	-0.01	0	0	0	100	0.00	0.0	6.685	0.012	0	0	0	0 P
PL.47759	PL.46749	A	#4 ACSR	7.34Y	122.3	0.00	2.71	0.00	0	0	0	100	0.00	0.0	5.614	0.029	0	0	0	0
PL.47231	PL.47860	B	#1/0 ACSR	7.35Y	122.5	0.00	2.51	3.51	2	24	9	94	0.00	0.0	5.242	0.003	0	0	0	2
PD.7579	PL.47231	B	40QA	7.35Y	122.5	0.00	2.51	3.51	9	24	9	94	0.00	0.0	5.242	0.003	0	0	0	2
PL.47232	PD.7579	B	#1/0 ACSR	7.35Y	122.5	0.00	2.51	3.51	2	24	9	94	0.00	0.0	5.277	0.035	24	9	2	2
PL.48171	PL.47858	C	#2 ACSR	7.36Y	122.6	0.00	2.35	1.66	1	12	3	97	0.00	0.0	5.002	0.029	12	3	1	1
PL.48705	PL.48703	C	#4 ACSR	7.39Y	123.2	0.00	1.84	0.00	0	0	0	100	0.00	0.0	4.532	0.007	0	0	0	0
PD.7446	PL.48705	C	30T	7.39Y	123.2	0.00	1.84	0.00	0	0	0	100	0.00	0.0	4.532	0.007	0	0	0	0
PL.48706	PD.7446	C	#4 ACSR	7.39Y	123.2	0.00	1.84	0.00	0	0	0	100	0.00	0.0	4.581	0.049	0	0	0	0
PL.48681	PL.48680	B	6 A (CWC)	7.40Y	123.3	0.00	1.68	19.61	14	142	32	98	0.00	0.0	4.402	0.003	0	0	0	27
PD.7319	PL.48681	B	25T	7.40Y	123.3	0.00	1.68	19.61	0	142	32	98	0.00	0.0	4.402	0.003	0	0	0	27
PL.48682	PD.7319	B	6 A (CWC)	7.40Y	123.3	0.04	1.72	19.61	14	142	32	98	0.04	0.0	4.445	0.044	11	2	1	27
PL.48683	PL.48682	B	6 A (CWC)	7.39Y	123.2	0.08	1.80	18.10	13	131	29	98	0.08	0.1	4.546	0.100	9	2	1	26
PL.48684	PL.48683	B	6 A (CWC)	7.39Y	123.2	0.03	1.82	16.82	12	121	27	98	0.03	0.0	4.582	0.037	0	0	0	25
PL.47441	PL.48684	B	6 A (CWC)	7.39Y	123.1	0.05	1.87	10.75	8	78	17	98	0.03	0.0	4.686	0.104	3	1	1	17
PL.48696	PL.47441	B	6 A (CWC)	7.39Y	123.1	0.02	1.89	4.25	3	31	7	98	0.00	0.0	4.792	0.106	0	0	0	9
PL.47656	PL.48696	B	6 A (CWC)	7.39Y	123.1	0.00	1.90	0.71	1	5	1	98	0.00	0.0	4.849	0.057	5	1	1	1
PL.65271	PL.48696	B	#1/0 ACSR	7.39Y	123.1	0.00	1.89	0.16	0	1	0	100	0.00	0.0	4.847	0.055	1	0	3	3
PL.48697	PL.48696	B	6 A (CWC)	7.38Y	123.1	0.02	1.92	3.38	2	24	5	98	0.00	0.0	4.951	0.159	0	0	1	5
PL.48698	PL.48697	B	6 A (CWC)	7.38Y	123.1	0.01	1.93	3.38	2	24	5	98	0.00	0.0	5.052	0.101	12	3	1	4
PL.48699	PL.48698	B	6 A (CWC)	7.38Y	123.1	0.00	1.93	1.77	1	13	3	97	0.00	0.0	5.061	0.010	0	0	0	3
PL.48700	PL.48699	B	6 A (CWC)	7.38Y	123.1	0.00	1.93	1.77	1	13	3	97	0.00	0.0	5.091	0.029	3	1	1	3
PL.48701	PL.48700	B	6 A (CWC)	7.38Y	123.1	0.00	1.93	1.33	1	10	2	98	0.00	0.0	5.142	0.051	10	2	2	2
PL.48702	PL.48701	B	6 A (CWC)	7.38Y	123.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	5.174	0.031	0	0	0	0
PL.48694	PL.47441	B	#4 ACSR	7.39Y	123.1	0.01	1.89	6.13	5	44	10	98	0.00	0.0	4.739	0.053	15	3	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: Brodhead

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.47158	PL.48694	B	#4 ACSR	7.39Y	123.1	0.00	1.89	0.26	0	2	0	100	0.00	0.0	4.783	0.043	2	0	1	1
PL.48695	PL.48694	B	#4 ACSR	7.39Y	123.1	0.00	1.89	3.78	3	27	6	98	0.00	0.0	4.766	0.027	0	0	0	3
PL.48690	PL.48695	B	#4 ACSR	7.39Y	123.1	0.00	1.89	3.78	3	27	6	98	0.00	0.0	4.781	0.015	0	0	0	3
PL.48691	PL.48690	B	#4 ACSR	7.39Y	123.1	0.01	1.90	3.01	2	22	5	98	0.00	0.0	4.910	0.129	22	5	2	2
PL.57932	PL.48690	B	#4 ACSR	7.39Y	123.1	0.00	1.89	0.76	1	5	1	98	0.00	0.0	4.825	0.044	5	1	1	1
PL.48685	PL.48684	B	6 A (CWC)	7.39Y	123.2	0.02	1.85	6.06	4	44	10	98	0.01	0.0	4.662	0.080	0	0	0	8
PL.48686	PL.48685	B	6 A (CWC)	7.39Y	123.2	0.00	1.85	1.36	1	10	2	98	0.00	0.0	4.731	0.069	10	2	1	1
PL.48687	PL.48686	B	6 A (CWC)	7.39Y	123.2	0.00	1.85	0.00	0	0	0	100	0.00	0.0	4.824	0.093	0	0	0	0
PL.48689	PL.48685	B	6 A (CWC)	7.39Y	123.1	0.03	1.87	4.71	3	34	8	97	0.01	0.0	4.799	0.137	8	2	2	7
PL.48688	PL.48689	B	6 A (CWC)	7.39Y	123.1	0.00	1.88	1.53	1	11	2	98	0.00	0.0	4.857	0.058	4	1	1	3
PL.57928	PL.48688	B	6 A (CWC)	7.39Y	123.1	0.00	1.88	1.03	1	7	2	96	0.00	0.0	4.906	0.048	4	1	1	2
PL.57929	PL.57928	B	6 A (CWC)	7.39Y	123.1	0.00	1.88	0.40	0	3	1	95	0.00	0.0	4.949	0.043	3	1	1	1
PL.48692	PL.48689	B	6 A (CWC)	7.39Y	123.1	0.01	1.88	2.08	1	15	3	98	0.00	0.0	4.927	0.128	10	2	1	2
PL.48693	PL.48692	B	6 A (CWC)	7.39Y	123.1	0.00	1.88	0.68	0	5	1	98	0.00	0.0	4.975	0.048	5	1	1	1
PL.48676	PL.48675	A	6 A (CWC)	7.44Y	124.0	0.00	0.98	0.00	0	0	0	100	0.00	0.0	3.870	0.004	0	0	0	0
PD.7526	PL.48676	A	60QA	7.44Y	124.0	0.00	0.98	0.00	0	0	0	100	0.00	0.0	3.870	0.004	0	0	0	0
PL.48677	PD.7526	A	6 A (CWC)	7.44Y	124.0	0.00	0.98	0.00	0	0	0	100	0.00	0.0	3.936	0.066	0	0	0	0
PL.48678	PL.48677	A	6 A (CWC)	7.44Y	124.0	0.00	0.98	0.00	0	0	0	100	0.00	0.0	4.095	0.159	0	0	0	0
PL.58193	PL.47338	A	6 A (CWC)	7.20Y	120.1	0.00	4.95	2.93	2	21	5	97	0.00	0.0	2.785	0.002	0	0	0	5
PD.8607	PL.58193	A	30T	7.20Y	120.1	0.00	4.95	2.93	0	21	5	97	0.00	0.0	2.785	0.002	0	0	0	5
PL.58194	PD.8607	A	6 A (CWC)	7.20Y	120.1	0.00	4.95	2.93	2	21	5	97	0.00	0.0	2.787	0.002	0	0	0	5
PL.58190	PL.58194	A	6 A (CWC)	7.20Y	120.0	0.01	4.96	1.95	1	14	3	98	0.00	0.0	2.957	0.169	0	0	0	3
PL.58192	PL.58190	A	6 A (CWC)	7.20Y	120.0	0.01	4.97	1.95	1	14	3	98	0.00	0.0	3.033	0.076	0	0	1	3
PL.47340	PL.58192	A	6 A (CWC)	7.20Y	120.0	0.01	4.98	1.94	1	14	3	98	0.00	0.0	3.144	0.111	0	0	0	2
PL.47341	PL.47340	A	6 A (CWC)	7.20Y	120.0	0.00	4.98	0.01	0	0	0	100	0.00	0.0	3.230	0.086	0	0	0	1
PL.47342	PL.47341	A	6 A (CWC)	7.20Y	120.0	0.00	4.98	0.00	0	0	0	100	0.00	0.0	3.400	0.170	0	0	0	0
PL.57939	PL.47341	A	#4 ACSR	7.20Y	120.0	0.00	4.98	0.01	0	0	0	100	0.00	0.0	3.257	0.027	0	0	1	1
PL.47381	PL.47340	A	#4 ACSR	7.20Y	120.0	0.01	4.99	1.94	1	14	3	98	0.00	0.0	3.375	0.231	14	3	1	1
PL.58191	PL.58190	A	6 A (CWC)	7.20Y	120.0	0.00	4.96	0.00	0	0	0	100	0.00	0.0	3.303	0.346	0	0	0	0
PL.47339	PL.58194	A	6 A (CWC)	7.20Y	120.1	0.00	4.95	0.99	1	7	2	96	0.00	0.0	2.838	0.050	7	2	2	2
PL.47328	PL.47942	ABC	#3/0 ACSR	7.23Y	120.5	0.02	4.48	42.78	14	905	208	97	0.12	0.0	2.478	0.040	11	2	1	146

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: Brodhead

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.47329	PL.47328	ABC	#3/0 ACSR	7.23Y	120.5	0.02	4.50	42.28	14	894	205	97	0.13	0.0	2.522	0.044	0	0	0	145
PD.7609	PL.47329	ABC	300VWE	7.23Y	120.5	0.00	4.50	42.28	0	894	205	97	0.00	0.0	2.522	0.044	0	0	0	145
PL.47333	PD.7609	ABC	#3/0 ACSR	7.23Y	120.5	0.03	4.53	42.28	14	894	205	97	0.19	0.0	2.587	0.065	0	0	0	145
PL.47334	PL.47333	C	#4 ACSR	7.23Y	120.5	0.00	4.53	0.28	0	2	0	100	0.00	0.0	2.593	0.006	0	0	0	1
PD.7418	PL.47334	C	75QA	7.23Y	120.5	0.00	4.53	0.28	0	2	0	100	0.00	0.0	2.593	0.006	0	0	0	1
PL.47335	PD.7418	C	#4 ACSR	7.23Y	120.5	0.00	4.53	0.28	0	2	0	100	0.00	0.0	2.621	0.028	2	0	1	1
PL.47336	PL.47335	C	#4 ACSR	7.23Y	120.5	0.00	4.53	0.00	0	0	0	100	0.00	0.0	2.713	0.092	0	0	0	0
PL.47343	PL.47333	ABC	#3/0 ACSR	7.22Y	120.4	0.09	4.62	42.19	14	892	204	97	0.52	0.1	2.761	0.175	12	3	2	144
PL.47344	PL.47343	ABC	#3/0 ACSR	7.22Y	120.4	0.02	4.64	41.64	14	880	201	97	0.11	0.0	2.801	0.039	0	0	0	142
PL.47345	PL.47344	ABC	#3/0 ACSR	7.22Y	120.3	0.04	4.68	41.64	14	879	201	97	0.22	0.0	2.877	0.076	8	2	1	142
PL.48030	PL.47345	ABC	#3/0 ACSR	7.22Y	120.3	0.03	4.71	41.25	14	871	199	97	0.18	0.0	2.940	0.064	0	0	0	141
RG.50	PL.48030	ABC	114.3 KVA	7.45Y	124.2	-3.88	0.83	41.25	27	871	198	98	percent Boost= 3.12 Tap= 5.0							141
PL.48031	RG.50	ABC	#3/0 ACSR	7.45Y	124.2	0.00	0.83	39.96	13	871	198	98	0.02	0.0	2.949	0.009	12	3	1	141
PL.48032	PL.48031	ABC	#3/0 ACSR	7.45Y	124.1	0.05	0.88	39.40	13	859	196	97	0.26	0.0	3.048	0.099	0	0	0	140
PL.48033	PL.48032	C	#4 ACSR	7.45Y	124.1	0.00	0.88	1.33	1	10	2	98	0.00	0.0	3.050	0.002	0	0	0	1
PD.7406	PL.48033	C	60QA	7.45Y	124.1	0.00	0.88	1.33	2	10	2	98	0.00	0.0	3.050	0.002	0	0	0	1
PL.48034	PD.7406	C	#4 ACSR	7.45Y	124.1	0.00	0.88	1.33	1	10	2	98	0.00	0.0	3.093	0.043	10	2	1	1
PL.47783	PL.48032	ABC	#3/0 ACSR	7.44Y	124.1	0.05	0.93	38.96	13	849	193	98	0.24	0.0	3.145	0.097	10	2	2	139
PL.47784	PL.47783	ABC	#3/0 ACSR	7.44Y	124.0	0.02	0.95	38.51	13	839	191	98	0.13	0.0	3.197	0.052	0	0	0	137
PL.47786	PL.47784	C	#4 ACSR	7.44Y	124.0	0.00	0.95	0.87	1	6	1	99	0.00	0.0	3.199	0.002	0	0	0	1
PD.7578	PL.47786	C	60QA	7.44Y	124.0	0.00	0.95	0.87	1	6	1	99	0.00	0.0	3.199	0.002	0	0	0	1
PL.47787	PD.7578	C	#4 ACSR	7.44Y	124.0	0.00	0.95	0.87	1	6	1	99	0.00	0.0	3.246	0.047	6	1	1	1
PL.47785	PL.47784	ABC	#3/0 ACSR	7.44Y	124.0	0.02	0.97	38.22	13	832	189	98	0.11	0.0	3.244	0.047	13	3	2	136
PL.47788	PL.47785	C	#4 ACSR	7.44Y	124.0	0.00	0.97	0.67	1	5	1	98	0.00	0.0	3.246	0.002	0	0	0	2
PD.7480	PL.47788	C	60QA	7.44Y	124.0	0.00	0.97	0.67	1	5	1	98	0.00	0.0	3.246	0.002	0	0	0	2
PL.47789	PD.7480	C	#4 ACSR	7.44Y	124.0	0.00	0.97	0.67	1	5	1	98	0.00	0.0	3.325	0.079	5	1	2	2
PL.47790	PL.47789	C	#4 ACSR	7.44Y	124.0	0.00	0.97	0.00	0	0	0	100	0.00	0.0	3.435	0.109	0	0	0	0
PL.57933	PL.47790	C	#4 ACSR	7.44Y	124.0	0.00	0.97	0.00	0	0	0	100	0.00	0.0	3.481	0.046	0	0	0	0
PL.47551	PL.47790	C	#4 ACSR	7.44Y	124.0	0.00	0.97	0.00	0	0	0	100	0.00	0.0	3.528	0.093	0	0	0	0
PL.59031	PL.47789	C	#4 ACSR	7.44Y	124.0	0.00	0.97	0.00	0	0	0	100	0.00	0.0	3.361	0.035	0	0	0	0
PL.47792	PL.47785	ABC	#3/0 ACSR	7.44Y	124.0	0.02	1.00	36.25	12	789	179	98	0.12	0.0	3.300	0.056	0	0	0	129

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Balanced Voltage Drop Report  
Source: Brodhead

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.47795	PL.47792	ABC	#3/0 ACSR	7.44Y	124.0	0.02	1.01	35.60	12	775	176	98	0.08	0.0	3.339	0.039	0	0	0	127
PL.47796	PL.47795	C	#4 ACSR	7.44Y	124.0	0.00	1.01	0.81	1	6	1	99	0.00	0.0	3.340	0.001	0	0	0	1
PD.7318	PL.47796	C	60QA	7.44Y	124.0	0.00	1.01	0.81	1	6	1	99	0.00	0.0	3.340	0.001	0	0	0	1
PL.47797	PD.7318	C	#4 ACSR	7.44Y	124.0	0.00	1.01	0.81	1	6	1	99	0.00	0.0	3.375	0.035	6	1	1	1
PL.47798	PL.47795	ABC	#3/0 ACSR	7.44Y	124.0	0.02	1.03	35.33	12	769	175	98	0.08	0.0	3.379	0.040	0	0	0	126
PL.47799	PL.47798	ABC	#3/0 ACSR	7.44Y	124.0	0.00	1.03	35.33	12	769	174	98	0.00	0.0	3.380	0.000	4	1	1	126
PL.60150	PL.47799	ABC	#3/0 ACSR	7.44Y	124.0	0.00	1.03	35.15	12	765	174	98	0.00	0.0	3.380	0.000	0	0	0	125
PL.60151	PL.60150	ABC	#3/0 ACSR	7.44Y	123.9	0.02	1.05	35.15	12	765	174	98	0.10	0.0	3.430	0.050	0	0	0	125
PL.47801	PL.60151	ABC	#3/0 ACSR	7.44Y	123.9	0.00	1.05	34.89	12	759	172	98	0.00	0.0	3.430	0.000	0	0	0	124
PL.47800	PL.47801	ABC	#3/0 ACSR	7.43Y	123.9	0.05	1.10	34.89	12	759	172	98	0.23	0.0	3.542	0.112	0	0	0	124
PL.48295	PL.47800	ABC	#3/0 ACSR	7.43Y	123.9	0.03	1.13	32.22	11	701	159	98	0.13	0.0	3.618	0.076	16	3	1	114
PL.48296	PL.48295	ABC	#3/0 ACSR	7.43Y	123.8	0.03	1.16	30.97	10	674	153	98	0.14	0.0	3.707	0.089	0	0	0	112
PL.46797	PL.48296	A	6 A (CWC)	7.43Y	123.8	0.05	1.21	11.01	8	80	17	98	0.03	0.0	3.808	0.101	0	0	0	17
PL.48302	PL.46797	A	6 A (CWC)	7.43Y	123.8	0.00	1.21	11.01	8	80	17	98	0.00	0.0	3.809	0.001	0	0	0	17
PD.7560	PL.48302	A	35L	7.43Y	123.8	0.00	1.21	11.01	31	80	17	98	0.00	0.0	3.809	0.001	0	0	0	17
PL.48303	PD.7560	A	6 A (CWC)	7.43Y	123.8	0.01	1.23	11.01	8	80	17	98	0.01	0.0	3.838	0.030	0	0	4	17
PL.48304	PL.48303	A	6 A (CWC)	7.42Y	123.7	0.12	1.34	11.01	8	80	17	98	0.07	0.1	4.078	0.240	2	0	1	13
PL.48305	PL.48304	A	6 A (CWC)	7.42Y	123.6	0.03	1.38	10.70	8	78	17	98	0.02	0.0	4.148	0.070	0	0	0	12
PL.46199	PL.48305	A	6 A (CWC)	7.40Y	123.4	0.23	1.61	10.70	8	78	17	98	0.13	0.2	4.681	0.533	15	3	1	12
PL.47435	PL.46199	A	#1/0 ACSR	7.40Y	123.4	0.00	1.61	0.32	0	2	1	89	0.00	0.0	4.701	0.020	2	1	2	2
PL.46878	PL.46199	A	6 A (CWC)	7.40Y	123.3	0.13	1.74	8.33	6	60	13	98	0.06	0.1	5.041	0.360	5	1	1	9
PL.46962	PL.46878	A	6 A (CWC)	7.39Y	123.2	0.02	1.76	7.66	5	55	12	98	0.01	0.0	5.111	0.069	0	0	0	8
PL.46963	PL.46962	A	6 A (CWC)	7.39Y	123.2	0.03	1.79	5.69	4	41	9	98	0.01	0.0	5.237	0.126	0	0	1	5
PL.46964	PL.46963	A	6 A (CWC)	7.39Y	123.1	0.06	1.86	5.00	4	36	8	98	0.02	0.0	5.538	0.301	6	1	1	3
PL.47436	PL.46964	A	6 A (CWC)	7.39Y	123.1	0.03	1.89	4.11	3	30	6	98	0.01	0.0	5.706	0.169	0	0	0	2
PL.48172	PL.47436	A	1/0 AL URD	7.39Y	123.1	0.00	1.89	2.22	1	16	3	98	0.00	0.0	5.829	0.123	16	4	1	1
PL.47437	PL.47436	A	6 A (CWC)	7.39Y	123.1	0.00	1.89	1.90	1	14	3	98	0.00	0.0	5.768	0.062	14	3	1	1
PL.48119	PL.46963	A	#2 ACSR	7.39Y	123.2	0.00	1.80	0.69	0	5	1	98	0.00	0.0	5.312	0.076	5	1	1	1
PL.46888	PL.46962	A	6 A (CWC)	7.39Y	123.2	0.00	1.77	1.96	1	14	3	98	0.00	0.0	5.188	0.078	14	3	3	3
PL.48300	PL.48296	ABC	#3/0 ACSR	7.43Y	123.8	0.01	1.17	10.42	3	227	50	98	0.02	0.0	3.793	0.086	0	0	1	27
PL.48301	PL.48300	ABC	#3/0 ACSR	7.43Y	123.8	0.01	1.19	10.41	3	226	50	98	0.02	0.0	3.902	0.109	12	3	2	26

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Balanced Voltage Drop Report  
Source: Brodhead

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.48315	PL.48301	ABC	#3/0 ACSR	7.43Y	123.8	0.01	1.20	9.87	3	215	48	98	0.01	0.0	3.982	0.080	17	4	1	24
PL.48322	PL.48315	ABC	#3/0 ACSR	7.43Y	123.8	0.01	1.20	8.14	3	177	39	98	0.01	0.0	4.060	0.078	7	2	1	20
PL.48327	PL.48322	ABC	#3/0 ACSR	7.43Y	123.8	0.00	1.21	7.12	2	155	34	98	0.00	0.0	4.121	0.061	23	5	3	17
PL.48332	PL.48327	ABC	#3/0 ACSR	7.43Y	123.8	0.00	1.21	4.94	2	107	24	98	0.00	0.0	4.194	0.073	12	3	1	12
PL.48124	PL.48332	ABC	#3/0 ACSR	7.43Y	123.8	0.00	1.21	3.98	1	87	19	98	0.00	0.0	4.240	0.047	24	5	2	10
PL.48125	PL.48124	ABC	#3/0 ACSR	7.43Y	123.8	0.00	1.22	2.90	1	63	14	98	0.00	0.0	4.390	0.150	12	3	1	8
PL.48126	PL.48125	ABC	#3/0 ACSR	7.43Y	123.8	0.00	1.22	2.36	1	51	11	98	0.00	0.0	4.458	0.068	0	0	0	7
PL.52772	PL.48126	ABC	#3/0 ACSR	7.43Y	123.8	0.00	1.22	2.07	1	45	10	98	0.00	0.0	4.530	0.072	0	0	0	6
PL.52773	PL.52772	ABC	#3/0 ACSR	7.43Y	123.8	0.00	1.22	2.07	1	45	10	98	0.00	0.0	4.539	0.009	0	0	0	6
PL.52506	PL.52773	ABC	#3/0 ACSR	7.43Y	123.8	0.00	1.22	2.07	1	45	10	98	0.00	0.0	4.584	0.045	13	3	1	6
PL.52507	PL.52506	ABC	#3/0 ACSR	7.43Y	123.8	0.00	1.22	1.45	0	32	7	98	0.00	0.0	4.621	0.037	8	2	2	5
PL.48130	PL.52507	ABC	#3/0 ACSR	7.43Y	123.8	0.00	1.22	1.09	0	24	5	98	0.00	0.0	4.683	0.063	0	0	0	3
PL.48131	PL.48130	ABC	#3/0 ACSR	7.43Y	123.8	0.00	1.23	1.09	0	24	5	98	0.00	0.0	4.735	0.051	0	0	0	3
PL.48134	PL.48131	ABC	#3/0 ACSR	7.43Y	123.8	0.00	1.23	0.79	0	17	4	97	0.00	0.0	4.837	0.102	11	2	1	2
PL.48136	PL.48134	C	6 A (CWC)	7.43Y	123.8	0.00	1.23	0.00	0	0	0	100	0.00	0.0	4.846	0.009	0	0	0	0
PD.7315	PL.48136	C	25T	7.43Y	123.8	0.00	1.23	0.00	0	0	0	100	0.00	0.0	4.846	0.009	0	0	0	0
PL.47561	PD.7315	C	6 A (CWC)	7.43Y	123.8	0.00	1.23	0.00	0	0	0	100	0.00	0.0	4.946	0.101	0	0	0	0
PL.47562	PL.47561	C	6 A (CWC)	7.43Y	123.8	0.00	1.23	0.00	0	0	0	100	0.00	0.0	5.011	0.064	0	0	0	0
PL.62523	PL.48134	ABC	#3/0 ACSR	7.43Y	123.8	0.00	1.23	0.00	0	0	0	100	0.00	0.0	4.901	0.064	0	0	0	0
PD.9379-A	PL.62523	ABC	Open	7.43Y	123.8	0.00	1.23	0.00	0	0	0	100	0.00	0.0	4.901	0.064	0	0	0	0
PL.48135	PL.48134	A	6 A (CWC)	7.43Y	123.8	0.00	1.23	0.87	1	6	1	99	0.00	0.0	4.845	0.008	0	0	0	1
PD.7444	PL.48135	A	60QA	7.43Y	123.8	0.00	1.23	0.87	1	6	1	99	0.00	0.0	4.845	0.008	0	0	0	1
PL.47657	PD.7444	A	6 A (CWC)	7.43Y	123.8	0.00	1.23	0.87	1	6	1	99	0.00	0.0	4.960	0.115	6	1	1	1
PL.47658	PL.47657	A	6 A (CWC)	7.43Y	123.8	0.00	1.23	0.00	0	0	0	100	0.00	0.0	5.121	0.161	0	0	0	0
PL.48132	PL.48131	A	6 A (CWC)	7.43Y	123.8	0.00	1.23	0.91	1	7	1	99	0.00	0.0	4.738	0.004	0	0	0	1
PD.7376	PL.48132	A	60QA	7.43Y	123.8	0.00	1.23	0.91	2	7	1	99	0.00	0.0	4.738	0.004	0	0	0	1
PL.48133	PD.7376	A	6 A (CWC)	7.43Y	123.8	0.00	1.23	0.91	1	7	1	99	0.00	0.0	4.770	0.032	7	1	1	1
CP.88	PL.52772	ABC	Cap (300)	7.43Y	123.8	0.00	1.22	0.00	0	0	0	100	0.00	0.0	4.530	0.032	0	0	0	0
PL.48128	PL.48126	A	6 A (CWC)	7.43Y	123.8	0.00	1.22	0.89	1	6	1	99	0.00	0.0	4.462	0.004	0	0	0	1
PD.7443	PL.48128	A	60QA	7.43Y	123.8	0.00	1.22	0.89	1	6	1	99	0.00	0.0	4.462	0.004	0	0	0	1
PL.48129	PD.7443	A	6 A (CWC)	7.43Y	123.8	0.00	1.22	0.89	1	6	1	99	0.00	0.0	4.486	0.024	0	0	0	1

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Balanced Voltage Drop Report  
Source: Brodhead

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.48127	PL.48129	A	6 A (CWC)	7.43Y	123.8	0.00	1.22	0.89	1	6	1	99	0.00	0.0	4.543	0.057	6	1	1	1
PL.48120	PL.48332	A	6 A (CWC)	7.43Y	123.8	0.00	1.21	0.00	0	0	0	100	0.00	0.0	4.196	0.002	0	0	0	0
PD.7590	PL.48120	A	60QA	7.43Y	123.8	0.00	1.21	0.00	0	0	0	100	0.00	0.0	4.196	0.002	0	0	0	0
PL.48121	PD.7590	A	6 A (CWC)	7.43Y	123.8	0.00	1.21	0.00	0	0	0	100	0.00	0.0	4.674	0.479	0	0	0	0
PL.48122	PL.48332	C	6 A (CWC)	7.43Y	123.8	0.00	1.21	1.23	1	9	2	98	0.00	0.0	4.196	0.003	0	0	0	1
PD.7439	PL.48122	C	60QA	7.43Y	123.8	0.00	1.21	1.23	2	9	2	98	0.00	0.0	4.196	0.003	0	0	0	1
PL.48123	PD.7439	C	6 A (CWC)	7.43Y	123.8	0.00	1.21	1.23	1	9	2	98	0.00	0.0	4.278	0.082	9	2	1	1
PL.48328	PL.48327	C	#4 ACSR	7.43Y	123.8	0.00	1.21	1.83	1	13	3	97	0.00	0.0	4.123	0.001	0	0	0	1
PD.7441	PL.48328	C	60QA	7.43Y	123.8	0.00	1.21	1.83	3	13	3	97	0.00	0.0	4.123	0.001	0	0	0	1
PL.48329	PD.7441	C	#4 ACSR	7.43Y	123.8	0.00	1.21	1.83	1	13	3	97	0.00	0.0	4.173	0.050	13	3	1	1
PL.48330	PL.48327	A	#4 ACSR	7.43Y	123.8	0.00	1.21	1.58	1	11	3	96	0.00	0.0	4.123	0.001	0	0	0	1
PD.7442	PL.48330	A	60QA	7.43Y	123.8	0.00	1.21	1.58	3	11	3	96	0.00	0.0	4.123	0.001	0	0	0	1
PL.48331	PD.7442	A	#4 ACSR	7.43Y	123.8	0.00	1.21	1.58	1	11	3	96	0.00	0.0	4.210	0.087	11	3	1	1
PL.48323	PL.48322	C	#1/0 ACSR	7.43Y	123.8	0.00	1.20	0.52	0	4	1	97	0.00	0.0	4.061	0.001	0	0	0	1
PD.7476	PL.48323	C	10QA	7.43Y	123.8	0.00	1.20	0.52	0	4	1	97	0.00	0.0	4.061	0.001	0	0	0	1
PL.48324	PD.7476	C	#1/0 ACSR	7.43Y	123.8	0.00	1.20	0.52	0	4	1	97	0.00	0.0	4.105	0.044	4	1	1	1
PL.48325	PL.48322	A	#4 ACSR	7.43Y	123.8	0.00	1.20	1.54	1	11	2	98	0.00	0.0	4.062	0.002	0	0	0	1
PD.7440	PL.48325	A	60QA	7.43Y	123.8	0.00	1.20	1.54	3	11	2	98	0.00	0.0	4.062	0.002	0	0	0	1
PL.48326	PD.7440	A	#4 ACSR	7.43Y	123.8	0.00	1.20	1.54	1	11	2	98	0.00	0.0	4.075	0.013	11	2	1	1
PL.48316	PL.48315	C	#4 ACSR	7.43Y	123.8	0.00	1.20	2.90	2	21	5	97	0.00	0.0	4.004	0.023	10	2	1	3
PL.48317	PL.48316	C	#4 ACSR	7.43Y	123.8	0.01	1.20	1.48	1	11	2	98	0.00	0.0	4.100	0.096	0	0	1	2
PL.48318	PL.48317	C	#4 ACSR	7.43Y	123.8	0.00	1.21	1.47	1	11	2	98	0.00	0.0	4.154	0.053	11	2	1	1
PL.48298	PL.48296	A	#1/0 ACSR	7.42Y	123.7	0.16	1.32	50.67	22	367	85	97	0.39	0.1	3.846	0.140	0	0	0	68
PL.48299	PL.48298	A	#1/0 ACSR	7.42Y	123.7	0.00	1.32	50.67	22	366	84	97	0.00	0.0	3.847	0.001	0	0	0	68
C PD.7561	PL.48299	A	50L	7.42Y	123.7	0.00	1.32	50.67	101	366	84	97	0.00	0.0	3.847	0.001	0	0	0	68 C
PL.47346	PD.7561	A	#1/0 ACSR	7.41Y	123.5	0.13	1.45	50.67	22	366	84	97	0.32	0.1	3.964	0.116	0	0	0	68
PL.47751	PL.47346	A	6 A (CWC)	7.41Y	123.5	0.00	1.46	2.46	2	18	4	98	0.00	0.0	4.033	0.069	18	4	3	3
PL.47347	PL.47346	A	#1/0 ACSR	7.41Y	123.5	0.06	1.52	48.21	21	348	80	97	0.15	0.0	4.023	0.059	0	0	0	65
PL.47595	PL.47347	A	6 A (CWC)	7.41Y	123.5	0.00	1.52	5.42	4	39	9	97	0.00	0.0	4.027	0.005	0	0	0	7
PD.7438	PL.47595	A	40QA	7.41Y	123.5	0.00	1.52	5.42	14	39	9	97	0.00	0.0	4.027	0.005	0	0	0	7
PL.58941	PD.7438	A	6 A (CWC)	7.41Y	123.4	0.04	1.56	5.42	4	39	9	97	0.01	0.0	4.238	0.211	18	4	4	7

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.58942	PL.58941	A	6 A (CWC)	7.41Y	123.4	0.01	1.57	1.95	1	14	3	98	0.00	0.0	4.349	0.110	5	1	1	2
PL.47601	PL.58942	A	6 A (CWC)	7.41Y	123.4	0.00	1.57	1.24	1	9	2	98	0.00	0.0	4.425	0.076	9	2	1	1
PL.58995	PL.58941	A	6 A (CWC)	7.41Y	123.4	0.00	1.56	0.96	1	7	2	96	0.00	0.0	4.344	0.106	0	0	0	1
PL.47602	PL.58995	A	6 A (CWC)	7.41Y	123.4	0.00	1.56	0.96	1	7	2	96	0.00	0.0	4.387	0.043	7	2	1	1
PL.47603	PL.47347	A	#1/0 ACSR	7.40Y	123.4	0.11	1.63	42.78	19	309	71	97	0.24	0.1	4.141	0.119	0	0	0	58
PL.47605	PL.47603	A	#2 ACSR	7.40Y	123.4	0.00	1.63	0.54	0	4	1	97	0.00	0.0	4.330	0.188	4	1	1	1
PL.47606	PL.47605	A	#2 ACSR	7.40Y	123.4	0.00	1.63	0.00	0	0	0	100	0.00	0.0	4.491	0.161	0	0	0	0
PL.47604	PL.47603	A	#1/0 ACSR	7.39Y	123.2	0.17	1.80	42.24	18	305	70	97	0.34	0.1	4.320	0.179	3	1	1	57
PL.47233	PL.47604	A	#1/0 ACSR	7.39Y	123.2	0.01	1.81	41.83	18	301	69	97	0.01	0.0	4.326	0.006	0	0	0	56
C PD.7477	PL.47233	A	40QA	7.39Y	123.2	0.00	1.81	41.83	105	301	69	97	0.00	0.0	4.326	0.006	0	0	0	56 C
PL.48667	PD.7477	A	#1/0 ACSR	7.39Y	123.2	0.03	1.84	41.83	18	301	69	97	0.06	0.0	4.358	0.032	0	0	0	56
PL.48668	PL.48667	A	#1/0 ACSR	7.38Y	123.0	0.12	1.96	41.83	18	301	69	97	0.24	0.1	4.486	0.128	0	0	0	56
PL.47234	PL.48668	A	6 A (CWC)	7.38Y	123.0	0.00	1.96	1.24	1	9	2	98	0.00	0.0	4.533	0.047	9	2	2	2
PL.47235	PL.47234	A	6 A (CWC)	7.38Y	123.0	0.00	1.96	0.00	0	0	0	100	0.00	0.0	4.729	0.196	0	0	0	0
PL.47236	PL.48668	A	#1/0 ACSR	7.38Y	122.9	0.11	2.07	40.59	18	292	66	98	0.22	0.1	4.610	0.124	0	0	1	54
PL.47237	PL.47236	A	#1/0 ACSR	7.37Y	122.8	0.11	2.18	39.84	17	287	65	98	0.22	0.1	4.739	0.129	0	0	0	52
PL.47238	PL.47237	A	#1/0 ACSR	7.36Y	122.7	0.08	2.26	38.73	17	278	63	98	0.14	0.1	4.826	0.087	0	0	0	51
PL.47596	PL.47238	A	#1/0 ACSR	7.36Y	122.6	0.11	2.37	35.33	15	254	57	98	0.18	0.1	4.963	0.138	3	1	3	47
PL.47597	PL.47596	A	#1/0 ACSR	7.36Y	122.6	0.05	2.42	34.90	15	251	56	98	0.08	0.0	5.027	0.064	14	3	1	44
PL.47598	PL.47597	A	#1/0 ACSR	7.35Y	122.5	0.07	2.49	32.93	14	236	53	98	0.12	0.0	5.128	0.101	3	1	1	43
PL.47599	PL.47598	A	#1/0 ACSR	7.35Y	122.5	0.04	2.53	32.51	14	233	52	98	0.06	0.0	5.184	0.056	3	1	1	42
PL.47600	PL.47599	A	#1/0 ACSR	7.34Y	122.3	0.13	2.66	32.03	14	230	52	98	0.20	0.1	5.361	0.176	0	0	0	41
PL.47250	PL.47600	A	#1/0 ACSR	7.34Y	122.3	0.05	2.71	21.04	9	151	34	98	0.05	0.0	5.475	0.115	0	0	0	31
PL.47682	PL.47250	A	#1/0 ACSR	7.33Y	122.2	0.05	2.76	19.30	8	138	31	98	0.05	0.0	5.600	0.125	0	0	0	29
PL.47685	PL.47682	A	#1/0 ACSR	7.33Y	122.2	0.03	2.79	15.56	7	111	25	98	0.02	0.0	5.676	0.076	0	0	0	27
PL.47686	PL.47685	A	#1/0 ACSR	7.33Y	122.1	0.06	2.85	15.56	7	111	25	98	0.05	0.0	5.850	0.174	0	0	0	26
PL.47383	PL.47686	A	#1/0 ACSR	7.33Y	122.1	0.04	2.89	13.17	6	94	21	98	0.02	0.0	5.969	0.119	0	0	0	22
PL.47384	PL.47383	A	#1/0 ACSR	7.32Y	122.1	0.03	2.92	13.17	6	94	21	98	0.02	0.0	6.085	0.116	0	0	0	22
PL.47660	PL.47384	A	#4 ACSR	7.32Y	122.1	0.00	2.92	0.91	1	7	1	99	0.00	0.0	6.134	0.049	7	1	1	1
PL.47385	PL.47384	A	#1/0 ACSR	7.32Y	122.0	0.03	2.95	12.26	5	88	20	98	0.02	0.0	6.209	0.123	5	1	2	21
PL.47387	PL.47385	A	#1/0 ACSR	7.32Y	122.0	0.01	2.97	11.51	5	82	18	98	0.01	0.0	6.264	0.055	0	0	0	19

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Balanced Voltage Drop Report  
Source: Brodhead

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

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
-----																				
PL.47164	PL.47387	A	#1/0 ACSR	7.32Y	122.0	0.01	2.98	11.24	5	80	18	98	0.01	0.0	6.303	0.039	0	0	0	18
PL.47165	PL.47164	A	#1/0 ACSR	7.32Y	122.0	0.03	3.00	11.24	5	80	18	98	0.01	0.0	6.407	0.104	0	0	0	18
PL.58982	PL.47165	A	#1/0 ACSR	7.32Y	122.0	0.04	3.04	10.32	4	74	16	98	0.02	0.0	6.586	0.179	0	0	0	16
PL.58983	PL.58982	A	#1/0 ACSR	7.32Y	121.9	0.01	3.06	10.32	4	74	16	98	0.01	0.0	6.632	0.046	0	0	0	16
PL.47947	PL.58983	A	#1/0 ACSR	7.32Y	121.9	0.02	3.08	10.32	4	74	16	98	0.01	0.0	6.737	0.105	0	0	0	16
PL.46965	PL.47947	A	#1/0 ACSR	7.31Y	121.9	0.02	3.10	10.32	4	74	16	98	0.01	0.0	6.845	0.108	0	0	0	16
PL.46966	PL.46965	A	6 A (CWC)	7.31Y	121.9	0.00	3.11	10.32	7	74	16	98	0.00	0.0	6.849	0.005	0	0	0	16
PD.7514	PL.46966	A	40QA	7.31Y	121.9	0.00	3.11	10.32	26	74	16	98	0.00	0.0	6.849	0.005	0	0	0	16
PL.46967	PD.7514	A	6 A (CWC)	7.31Y	121.8	0.08	3.19	10.32	7	74	16	98	0.04	0.1	7.035	0.185	11	2	1	16
PL.47720	PL.46967	A	6 A (CWC)	7.31Y	121.8	0.00	3.19	0.00	0	0	0	100	0.00	0.0	7.195	0.160	0	0	0	0
PL.57306	PL.47720	A	6 A (CWC)	7.31Y	121.8	0.00	3.19	0.00	0	0	0	100	0.00	0.0	7.277	0.083	0	0	0	0
PL.57308	PL.57306	A	#4 ACSR	7.31Y	121.8	0.00	3.19	0.00	0	0	0	100	0.00	0.0	7.355	0.078	0	0	0	0
PL.57307	PL.57306	A	6 A (CWC)	7.31Y	121.8	0.00	3.19	0.00	0	0	0	100	0.00	0.0	7.496	0.218	0	0	0	0
PL.46968	PL.46967	A	6 A (CWC)	7.31Y	121.8	0.04	3.22	8.78	6	63	14	98	0.02	0.0	7.140	0.105	12	3	2	15
PL.46969	PL.46968	A	6 A (CWC)	7.30Y	121.7	0.07	3.29	7.12	5	51	11	98	0.03	0.1	7.349	0.210	0	0	1	13
PL.46970	PL.46969	A	#4 ACSR	7.30Y	121.7	0.02	3.31	5.08	4	36	8	98	0.01	0.0	7.452	0.103	0	0	0	9
PL.46971	PL.46970	A	#4 ACSR	7.30Y	121.7	0.01	3.33	4.39	3	31	7	98	0.00	0.0	7.523	0.071	6	1	2	8
PL.46972	PL.46971	A	#4 ACSR	7.30Y	121.7	0.02	3.34	3.55	3	25	6	97	0.00	0.0	7.643	0.120	1	0	1	6
PL.46973	PL.46972	A	#4 ACSR	7.30Y	121.6	0.02	3.36	3.35	3	24	5	98	0.00	0.0	7.771	0.128	0	0	0	5
PL.48306	PL.46973	A	#4 ACSR	7.30Y	121.6	0.01	3.37	1.90	1	14	3	98	0.00	0.0	7.874	0.103	0	0	0	1
PL.48307	PL.48306	A	#4 ACSR	7.30Y	121.6	0.01	3.38	1.90	1	14	3	98	0.00	0.0	8.051	0.177	14	3	1	1
PL.48308	PL.46973	A	#4 ACSR	7.30Y	121.6	0.01	3.38	1.45	1	10	2	98	0.00	0.0	7.961	0.190	0	0	2	4
PL.48309	PL.48308	A	#4 ACSR	7.30Y	121.6	0.01	3.38	1.42	1	10	2	98	0.00	0.0	8.093	0.132	0	0	0	2
PL.48310	PL.48309	A	#4 ACSR	7.30Y	121.6	0.01	3.39	1.42	1	10	2	98	0.00	0.0	8.234	0.141	3	1	1	2
PL.48311	PL.48310	A	#4 ACSR	7.30Y	121.6	0.00	3.39	1.03	1	7	2	96	0.00	0.0	8.278	0.044	7	2	1	1
PL.47740	PL.46970	A	#4 ACSR	7.30Y	121.7	0.00	3.32	0.68	1	5	1	98	0.00	0.0	7.527	0.074	5	1	1	1
PL.48118	PL.46970	A	#4 ACSR	7.30Y	121.7	0.00	3.31	0.00	0	0	0	100	0.00	0.0	7.540	0.087	0	0	0	0
PL.48312	PL.46969	A	6 A (CWC)	7.30Y	121.7	0.01	3.30	2.05	1	15	3	98	0.00	0.0	7.493	0.144	0	0	1	3
PL.48313	PL.48312	A	6 A (CWC)	7.30Y	121.7	0.01	3.31	1.98	1	14	3	98	0.00	0.0	7.581	0.088	8	2	1	2
PL.48314	PL.48313	A	6 A (CWC)	7.30Y	121.7	0.00	3.31	0.89	1	6	1	99	0.00	0.0	7.653	0.072	6	1	1	1
PL.48170	PL.47947	A	6 A (CWC)	7.32Y	121.9	0.00	3.08	0.00	0	0	0	100	0.00	0.0	6.819	0.082	0	0	0	0

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.47166	PL.47165	A	#4 ACSR	7.32Y	122.0	0.00	3.01	0.92	1	7	1	99	0.00	0.0	6.470	0.063	7	1	2	2
PL.47946	PL.47166	A	#4 ACSR	7.32Y	122.0	0.00	3.01	0.00	0	0	0	100	0.00	0.0	6.550	0.080	0	0	0	0
PL.47386	PL.47387	A	#4 ACSR	7.32Y	122.0	0.00	2.97	0.27	0	2	0	100	0.00	0.0	6.269	0.005	0	0	0	1
PD.7375	PL.47386	A	25QA	7.32Y	122.0	0.00	2.97	0.27	1	2	0	100	0.00	0.0	6.269	0.005	0	0	0	1
PL.48319	PD.7375	A	#4 ACSR	7.32Y	122.0	0.01	2.97	0.27	0	2	0	100	0.00	0.0	6.842	0.574	0	0	0	1
PL.48320	PL.48319	A	#4 ACSR	7.32Y	122.0	0.00	2.98	0.27	0	2	0	100	0.00	0.0	7.218	0.375	0	0	0	1
PL.48321	PL.48320	A	#4 ACSR	7.32Y	122.0	0.00	2.98	0.27	0	2	0	100	0.00	0.0	7.423	0.205	2	0	1	1
PL.57873	PL.47686	A	#4 ACSR	7.33Y	122.1	0.00	2.85	1.39	1	10	2	98	0.00	0.0	5.895	0.045	10	2	2	3
PL.57874	PL.57873	A	#4 ACSR	7.33Y	122.1	0.00	2.85	0.00	0	0	0	100	0.00	0.0	5.983	0.087	0	0	1	1
PL.47944	PL.47686	A	#4 ACSR	7.33Y	122.1	0.00	2.85	1.00	1	7	2	96	0.00	0.0	5.921	0.071	7	2	1	1
PL.47945	PL.47944	A	#4 ACSR	7.33Y	122.1	0.00	2.85	0.00	0	0	0	100	0.00	0.0	5.982	0.061	0	0	0	0
PL.47288	PL.47685	A	#4 ACSR	7.33Y	122.2	-0.00	2.79	0.00	0	0	0	100	0.00	0.0	5.799	0.123	0	0	1	1
PL.47683	PL.47682	A	6 A (CWC)	7.33Y	122.2	0.00	2.77	3.74	3	27	6	98	0.00	0.0	5.636	0.035	10	2	1	2
PL.47684	PL.47683	A	6 A (CWC)	7.33Y	122.2	0.00	2.77	2.36	2	17	4	97	0.00	0.0	5.721	0.085	17	4	1	1
PL.47251	PL.47250	A	6 A (CWC)	7.34Y	122.3	0.01	2.72	1.74	1	12	3	97	0.00	0.0	5.616	0.141	2	0	1	2
PL.47681	PL.47251	A	6 A (CWC)	7.34Y	122.3	0.01	2.73	1.51	1	11	2	98	0.00	0.0	5.774	0.158	11	2	1	1
PL.47244	PL.47600	A	6 A (CWC)	7.34Y	122.3	0.03	2.69	10.25	7	73	16	98	0.02	0.0	5.454	0.093	35	8	3	9
PL.47245	PL.47244	A	6 A (CWC)	7.34Y	122.3	0.02	2.71	5.38	4	39	9	97	0.01	0.0	5.542	0.089	6	1	1	6
PL.47246	PL.47245	A	6 A (CWC)	7.34Y	122.3	0.01	2.72	4.55	3	33	7	98	0.00	0.0	5.596	0.054	10	2	2	5
PL.47247	PL.47246	A	6 A (CWC)	7.34Y	122.3	0.01	2.73	3.20	2	23	5	98	0.00	0.0	5.694	0.097	10	2	1	3
PL.58962	PL.47247	A	6 A (CWC)	7.34Y	122.3	0.01	2.74	1.79	1	13	3	97	0.00	0.0	5.772	0.079	0	0	0	2
PL.58964	PL.58962	A	6 A (CWC)	7.34Y	122.3	0.00	2.74	0.98	1	7	2	96	0.00	0.0	5.846	0.073	7	2	1	1
PL.58963	PL.58962	A	6 A (CWC)	7.34Y	122.3	0.00	2.74	0.81	1	6	1	99	0.00	0.0	5.868	0.096	6	1	1	1
PL.47248	PL.58963	A	6 A (CWC)	7.34Y	122.3	0.00	2.74	0.00	0	0	0	100	0.00	0.0	6.176	0.307	0	0	0	0
PL.47249	PL.47248	A	6 A (CWC)	7.34Y	122.3	0.00	2.74	0.00	0	0	0	100	0.00	0.0	6.267	0.092	0	0	0	0
PL.47438	PL.47600	A	#4 ACSR	7.34Y	122.3	0.00	2.66	0.74	1	5	1	98	0.00	0.0	5.511	0.151	5	1	1	1
PL.47439	PL.47438	A	#4 ACSR	7.34Y	122.3	0.00	2.66	0.00	0	0	0	100	0.00	0.0	5.605	0.094	0	0	0	0
PL.47239	PL.47238	A	6 A (CWC)	7.36Y	122.7	0.01	2.27	3.40	2	24	5	98	0.00	0.0	4.909	0.083	6	1	1	4
PL.47240	PL.47239	A	6 A (CWC)	7.36Y	122.7	0.01	2.28	2.56	2	18	4	98	0.00	0.0	4.975	0.066	0	0	0	3
PL.47242	PL.47240	A	6 A (CWC)	7.36Y	122.7	0.00	2.28	2.56	2	18	4	98	0.00	0.0	5.027	0.052	9	2	2	3
PL.47243	PL.47242	A	6 A (CWC)	7.36Y	122.7	0.00	2.28	1.37	1	10	2	98	0.00	0.0	5.088	0.061	10	2	1	1

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
-----																				
PL.47241	PL.47240	A	6 A (CWC)	7.36Y	122.7	0.00	2.28	0.00	0	0	0	100	0.00	0.0	5.067	0.092	0	0	0	0
PL.47163	PL.47237	A	#2 ACSR	7.37Y	122.8	0.00	2.19	1.11	1	8	2	97	0.00	0.0	4.780	0.041	8	2	1	1
PL.47318	PL.47236	A	#4 ACSR	7.38Y	122.9	0.00	2.07	0.72	1	5	1	98	0.00	0.0	4.679	0.068	5	1	1	1
PL.47655	PL.48295	A	6 A (CWC)	7.43Y	123.9	0.00	1.13	1.61	1	12	3	97	0.00	0.0	3.744	0.126	12	3	1	1
PL.46947	PL.47800	C	#4 ACSR	7.43Y	123.9	0.00	1.10	0.80	1	6	1	99	0.00	0.0	3.543	0.001	0	0	0	2
PD.7479	PL.46947	C	60QA	7.43Y	123.9	0.00	1.10	0.80	1	6	1	99	0.00	0.0	3.543	0.001	0	0	0	2
PL.47554	PD.7479	C	#4 ACSR	7.43Y	123.9	0.00	1.10	0.80	1	6	1	99	0.00	0.0	3.597	0.054	6	1	2	2
PL.47555	PL.47800	A	6 A (CWC)	7.43Y	123.9	0.00	1.10	7.21	5	52	12	97	0.00	0.0	3.543	0.001	0	0	0	8
PD.7316	PL.47555	A	50T	7.43Y	123.9	0.00	1.10	7.21	0	52	12	97	0.00	0.0	3.543	0.001	0	0	0	8
PL.47724	PD.7316	A	6 A (CWC)	7.43Y	123.9	0.03	1.13	7.21	5	52	12	97	0.01	0.0	3.626	0.083	0	0	1	8
PL.47725	PL.47724	A	6 A (CWC)	7.43Y	123.9	0.01	1.14	7.19	5	52	12	97	0.00	0.0	3.658	0.032	0	0	0	7
PL.47727	PL.47725	A	6 A (CWC)	7.43Y	123.9	0.00	1.14	1.78	1	13	3	97	0.00	0.0	3.712	0.054	3	1	1	3
PL.47516	PL.47727	A	6 A (CWC)	7.43Y	123.9	0.00	1.14	0.00	0	0	0	100	0.00	0.0	3.735	0.023	0	0	0	0
PL.48293	PL.47727	A	6 A (CWC)	7.43Y	123.9	0.00	1.14	1.41	1	10	2	98	0.00	0.0	3.747	0.035	10	2	1	2
PL.48294	PL.48293	A	6 A (CWC)	7.43Y	123.9	0.00	1.14	0.04	0	0	0	100	0.00	0.0	3.772	0.024	0	0	1	1
PL.47726	PL.47725	A	6 A (CWC)	7.43Y	123.9	0.01	1.14	5.41	4	39	9	97	0.00	0.0	3.690	0.032	11	2	1	4
PL.47804	PL.47726	A	6 A (CWC)	7.43Y	123.8	0.01	1.16	3.96	3	29	6	98	0.00	0.0	3.765	0.075	7	2	1	3
PL.46889	PL.47804	A	6 A (CWC)	7.43Y	123.8	0.00	1.16	0.00	0	0	0	100	0.00	0.0	3.798	0.033	0	0	0	0
PL.48035	PL.47804	A	6 A (CWC)	7.43Y	123.8	0.00	1.16	1.64	1	12	3	97	0.00	0.0	3.822	0.057	12	3	1	1
PL.46886	PL.47804	A	#1/0 ACSR	7.43Y	123.8	0.00	1.16	1.31	1	10	2	98	0.00	0.0	3.813	0.048	10	2	1	1
PL.47802	PL.60151	C	6 A (CWC)	7.44Y	123.9	0.00	1.05	0.78	1	6	1	99	0.00	0.0	3.431	0.001	0	0	0	1
PD.7478	PL.47802	C	60QA	7.44Y	123.9	0.00	1.05	0.78	1	6	1	99	0.00	0.0	3.431	0.001	0	0	0	1
PL.47803	PD.7478	C	6 A (CWC)	7.44Y	123.9	0.00	1.05	0.78	1	6	1	99	0.00	0.0	3.480	0.049	6	1	1	1
PL.47793	PL.47792	C	#4 ACSR	7.44Y	124.0	0.00	1.00	1.95	1	14	3	98	0.00	0.0	3.301	0.001	0	0	0	2
PD.7317	PL.47793	C	60QA	7.44Y	124.0	0.00	1.00	1.95	3	14	3	98	0.00	0.0	3.301	0.001	0	0	0	2
PL.47794	PD.7317	C	#4 ACSR	7.44Y	124.0	0.00	1.00	1.95	1	14	3	98	0.00	0.0	3.331	0.030	14	3	2	2
PL.58176	PL.47785	B	6 A (CWC)	7.44Y	124.0	0.00	0.97	3.45	2	25	6	97	0.00	0.0	3.247	0.002	0	0	0	3
PD.8601	PL.58176	B	20T	7.44Y	124.0	0.00	0.97	3.45	0	25	6	97	0.00	0.0	3.247	0.002	0	0	0	3
PL.58177	PD.8601	B	6 A (CWC)	7.44Y	124.0	0.00	0.98	3.45	2	25	6	97	0.00	0.0	3.285	0.038	15	3	2	3
PL.47791	PL.58177	B	6 A (CWC)	7.44Y	124.0	0.01	0.99	1.36	1	10	2	98	0.00	0.0	3.629	0.344	10	2	1	1
PL.47593	PL.47592	C	6 A (CWC)	7.29Y	121.4	0.00	3.56	0.00	0	0	0	100	0.00	0.0	1.928	0.006	0	0	0	0

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

Balanced Voltage Drop Report  
Source: Brodhead

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.7360	PL.47593	C	75QA	7.29Y	121.4	0.00	3.56	0.00	0	0	0	100	0.00	0.0	1.928	0.006	0	0	0	0
PL.47594	PD.7360	C	6 A (CWC)	7.29Y	121.4	0.00	3.56	0.00	0	0	0	100	0.00	0.0	2.019	0.091	0	0	0	0
PL.47586	PL.47585	B	6 A (CWC)	7.30Y	121.6	0.00	3.37	7.29	5	52	11	98	0.00	0.0	1.819	0.005	0	0	0	6
PD.7603	PL.47586	B	70L	7.30Y	121.6	0.00	3.37	7.29	10	52	11	98	0.00	0.0	1.819	0.005	0	0	0	6
PL.58946	PD.7603	B	6 A (CWC)	7.30Y	121.6	0.01	3.38	7.29	5	52	11	98	0.00	0.0	1.839	0.020	0	0	0	6
PD.8748	PL.58946	B	40QA	7.30Y	121.6	0.00	3.38	7.29	18	52	11	98	0.00	0.0	1.839	0.020	0	0	0	6
PL.58947	PD.8748	B	6 A (CWC)	7.30Y	121.6	0.00	3.38	7.29	5	52	11	98	0.00	0.0	1.839	0.000	0	0	0	6
PL.47174	PL.58947	B	1/0 AL URD	7.30Y	121.6	0.03	3.40	7.29	4	52	11	98	0.01	0.0	1.950	0.111	0	0	0	6
PD.7182-A	PL.47174	B	Closed	7.30Y	121.6	0.00	3.40	7.30	0	52	12	97	0.00	0.0	1.950	0.111	0	0	0	6
PD.7182-B	PD.7182-A	B	Closed	7.30Y	121.6	0.00	3.40	7.30	0	52	12	97	0.00	0.0	1.950	0.111	0	0	0	6
PL.47587	PD.7182-B	B	6 A (CWC)	7.29Y	121.5	0.07	3.48	7.30	5	52	12	97	0.03	0.1	2.179	0.229	4	1	1	6
PL.47588	PL.47587	B	6 A (CWC)	7.29Y	121.5	0.02	3.50	6.72	5	48	11	97	0.01	0.0	2.272	0.093	17	4	1	5
PL.60160	PL.47588	B	#4 ACSR	7.29Y	121.5	0.00	3.50	1.55	1	11	2	98	0.00	0.0	2.276	0.003	0	0	0	1
PD.8922	PL.60160	B	15T	7.29Y	121.5	0.00	3.50	1.55	0	11	2	98	0.00	0.0	2.276	0.003	0	0	0	1
PL.60161	PD.8922	B	#4 ACSR	7.29Y	121.5	0.00	3.50	1.55	1	11	2	98	0.00	0.0	2.369	0.093	11	2	1	1
PL.47589	PL.47588	B	6 A (CWC)	7.29Y	121.5	0.04	3.54	2.73	2	19	4	98	0.01	0.0	2.606	0.334	0	0	0	3
PL.47377	PL.47589	B	#4 ACSR	7.29Y	121.5	0.01	3.55	1.50	1	11	2	98	0.00	0.0	2.875	0.269	11	2	2	2
PL.47590	PL.47589	B	#4 ACSR	7.29Y	121.5	0.00	3.54	1.23	1	9	2	98	0.00	0.0	2.669	0.063	0	0	0	1
PL.47639	PL.47590	B	#4 ACSR	7.29Y	121.5	0.00	3.55	1.23	1	9	2	98	0.00	0.0	2.810	0.141	9	2	1	1
PL.47591	PL.47590	B	#4 ACSR	7.29Y	121.5	0.00	3.54	0.00	0	0	0	100	0.00	0.0	2.748	0.079	0	0	0	0
PL.47378	PL.47589	B	6 A (CWC)	7.29Y	121.5	0.00	3.54	0.00	0	0	0	100	0.00	0.0	2.804	0.198	0	0	0	0
PL.65285	PL.65278	C	#1/0 ACSR	7.31Y	121.8	0.00	3.23	8.41	4	60	13	98	0.00	0.0	1.738	0.002	0	0	0	11
PD.9567	PL.65285	C	30T	7.31Y	121.8	0.00	3.23	8.41	0	60	13	98	0.00	0.0	1.738	0.002	0	0	0	11
PL.65286	PD.9567	C	#1/0 ACSR	7.31Y	121.8	0.01	3.24	8.41	4	60	13	98	0.00	0.0	1.794	0.056	0	0	0	11
PL.65287	PL.65286	C	#1/0 ACSR	7.30Y	121.7	0.01	3.25	8.41	4	60	13	98	0.00	0.0	1.849	0.056	0	0	0	11
PL.65288	PL.65287	C	#1/0 ACSR	7.30Y	121.7	0.01	3.26	7.95	3	57	13	97	0.00	0.0	1.898	0.049	5	1	2	7
PL.47671	PL.65288	C	#2 ACSR	7.30Y	121.7	0.00	3.26	4.72	3	34	7	98	0.00	0.0	1.936	0.038	34	7	3	3
PL.57748	PL.65288	C	#2 ACSR	7.30Y	121.7	0.00	3.26	2.55	1	18	4	98	0.00	0.0	1.948	0.050	18	4	2	2
PL.65289	PL.65287	C	#1/0 ACSR	7.30Y	121.7	0.00	3.25	0.46	0	3	1	95	0.00	0.0	1.894	0.045	0	0	1	4
PL.65290	PL.65289	C	#1/0 ACSR	7.30Y	121.7	0.00	3.25	0.45	0	3	1	95	0.00	0.0	1.945	0.052	0	0	0	3
PL.65291	PL.65290	C	#1/0 ACSR	7.30Y	121.7	0.00	3.25	0.45	0	3	1	95	0.00	0.0	1.972	0.027	0	0	0	3

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Case: 2009 Existing Conditions

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
-----																				
PL.65292	PL.65291	C	#1/0 ACSR	7.30Y	121.7	0.00	3.25	0.45	0	3	1	95	0.00	0.0	2.008	0.036	0	0	0	3
PL.65293	PL.65292	C	#1/0 ACSR	7.30Y	121.7	0.00	3.25	0.45	0	3	1	95	0.00	0.0	2.046	0.038	0	0	0	3
PL.65294	PL.65293	C	6 A (CWC)	7.30Y	121.7	0.00	3.26	0.45	0	3	1	95	0.00	0.0	2.138	0.092	0	0	0	2
PL.65282	PL.65294	C	6 A (CWC)	7.30Y	121.7	0.00	3.26	0.45	0	3	1	95	0.00	0.0	2.138	0.000	0	0	0	2
PL.65283	PL.65282	C	6 A (CWC)	7.30Y	121.7	0.00	3.26	0.45	0	3	1	95	0.00	0.0	2.194	0.056	3	1	2	2
PL.65295	PL.65293	C	6 A (CWC)	7.30Y	121.7	0.00	3.25	0.00	0	0	0	100	0.00	0.0	2.191	0.144	0	0	1	1
PL.47351	PL.48280	A	6 A (CWC)	7.35Y	122.4	0.00	2.58	0.00	0	0	0	100	0.00	0.0	1.379	0.008	0	0	0	0
PD.7417	PL.47351	A	75QA	7.35Y	122.4	0.00	2.58	0.00	0	0	0	100	0.00	0.0	1.379	0.008	0	0	0	0
PL.47352	PD.7417	A	6 A (CWC)	7.35Y	122.4	0.00	2.58	0.00	0	0	0	100	0.00	0.0	1.488	0.109	0	0	0	0
PL.61855	PL.48271	A	#1/0 ACSR	7.36Y	122.6	0.00	2.36	0.80	0	6	1	99	0.00	0.0	1.298	0.044	6	1	1	1
PL.47696	PL.48270	A	#2 ACSR	7.36Y	122.7	0.00	2.27	0.00	0	0	0	100	0.00	0.0	1.261	0.057	0	0	0	0
PL.48272	PL.48270	A	#2 ACSR	7.36Y	122.7	0.00	2.27	2.41	1	17	4	97	0.00	0.0	1.233	0.029	10	2	1	2
PL.48273	PL.48272	A	#2 ACSR	7.36Y	122.7	0.00	2.27	1.08	1	8	2	97	0.00	0.0	1.267	0.034	8	2	1	1
PL.48274	PL.48273	A	#2 ACSR	7.36Y	122.7	0.00	2.27	0.00	0	0	0	100	0.00	0.0	1.332	0.065	0	0	0	0
PL.47157	PL.48266	A	6 A (CWC)	7.37Y	122.9	0.01	2.11	2.68	2	19	4	98	0.00	0.0	1.296	0.189	19	4	2	2
PL.58417	PL.48266	A	6 A (CWC)	7.37Y	122.9	0.00	2.10	1.92	1	14	3	98	0.00	0.0	1.111	0.004	0	0	0	2
PD.8583	PL.58417	A	50T	7.37Y	122.9	0.00	2.10	1.92	0	14	3	98	0.00	0.0	1.111	0.004	0	0	0	2
PL.58418	PD.8583	A	6 A (CWC)	7.37Y	122.9	0.01	2.11	1.92	1	14	3	98	0.00	0.0	1.266	0.154	4	1	1	2
PL.58416	PL.58418	A	6 A (CWC)	7.37Y	122.9	0.00	2.11	1.33	1	10	2	98	0.00	0.0	1.311	0.046	10	2	1	1
PL.47536	PL.48258	B	#2 ACSR	7.44Y	124.0	0.00	0.99	0.84	0	6	1	99	0.00	0.0	0.592	0.077	6	1	1	1
PL.58593	PL.58386	C	#1/0 ACSR	7.49Y	124.8	0.00	0.18	7.02	3	51	11	98	0.00	0.0	0.089	0.004	0	0	0	8
PD.8229	PL.58593	C	75QA	7.49Y	124.8	0.00	0.18	7.02	9	51	11	98	0.00	0.0	0.089	0.004	0	0	0	8
PL.56195	PD.8229	C	#1/0 ACSR	7.49Y	124.8	0.02	0.19	7.02	3	51	11	98	0.01	0.0	0.185	0.096	0	0	0	8
PL.56196	PL.56195	C	#1/0 ACSR	7.49Y	124.8	0.00	0.20	7.02	3	51	11	98	0.00	0.0	0.211	0.026	1	0	1	8
PL.56197	PL.56196	C	#1/0 ACSR	7.49Y	124.8	0.02	0.22	6.89	3	50	11	98	0.01	0.0	0.361	0.150	0	0	0	7
PL.56198	PL.56197	C	#1/0 ACSR	7.49Y	124.8	0.00	0.22	0.83	0	6	1	99	0.00	0.0	0.400	0.040	6	1	1	1
PL.56199	PL.56197	C	#1/0 ACSR	7.49Y	124.8	0.01	0.23	6.07	3	44	10	98	0.00	0.0	0.428	0.067	0	0	0	6
PL.56200	PL.56199	C	#1/0 ACSR	7.48Y	124.7	0.02	0.25	6.07	3	44	10	98	0.01	0.0	0.611	0.183	0	0	0	6
PL.56201	PL.56200	C	#1/0 ACSR	7.48Y	124.7	0.02	0.28	6.07	3	44	10	98	0.01	0.0	0.782	0.171	0	0	0	6
PL.56203	PL.56201	C	6 A (CWC)	7.48Y	124.7	0.02	0.29	4.65	3	34	8	97	0.00	0.0	0.860	0.078	3	1	1	5
PL.56206	PL.56203	C	6 A (CWC)	7.48Y	124.7	0.01	0.30	2.22	2	16	4	97	0.00	0.0	0.912	0.052	0	0	0	3

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.56207	PL.56206	C	6 A (CWC)	7.48Y	124.7	0.00	0.30	2.22	2	16	4	97	0.00	0.0	0.973	0.061	10	2	2	3
PL.56205	PL.56207	C	6 A (CWC)	7.48Y	124.7	0.00	0.30	0.84	1	6	1	99	0.00	0.0	0.988	0.015	6	1	1	1
PL.56204	PL.56203	C	6 A (CWC)	7.48Y	124.7	0.01	0.30	2.02	1	15	3	98	0.00	0.0	1.103	0.243	15	3	1	1
PL.56202	PL.56201	C	6 A (CWC)	7.48Y	124.7	0.00	0.28	1.42	1	10	2	98	0.00	0.0	0.858	0.076	10	2	1	1
PL.58390	Brodhead	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	117.52	23	2544	722	96	0.05	0.0	0.004	0.004	0	0	0	434
PL.58594	PL.58390	ABC	336 MCM AC	7.50Y	125.0	0.00	0.01	117.52	23	2544	722	96	0.04	0.0	0.008	0.004	0	0	0	434
----- Feeder No. 3 (Ottowa F3) Beginning with Device PD.8622 -----																				
PD.8622	PL.58594	ABC	400VWE	7.50Y	125.0	0.00	0.01	117.52	0	2544	722	96	0.00	0.0	0.008	0.004	0	0	0	434
PL.58391	PD.8622	ABC	336 MCM AC	7.49Y	124.9	0.14	0.14	117.52	23	2544	722	96	1.81	0.1	0.164	0.156	0	0	0	434
PL.58393	PL.58391	ABC	336 MCM AC	7.49Y	124.8	0.08	0.23	117.22	23	2535	716	96	1.08	0.0	0.257	0.094	12	3	1	432
PL.57404	PL.58393	ABC	336 MCM AC	7.48Y	124.7	0.04	0.27	116.66	22	2522	711	96	0.57	0.0	0.307	0.049	0	0	1	431
PL.61722	PL.57404	ABC	336 MCM AC	7.48Y	124.6	0.13	0.39	116.65	22	2521	709	96	1.66	0.1	0.451	0.145	0	0	0	430
PL.61723	PL.61722	ABC	336 MCM AC	7.45Y	124.2	0.41	0.80	116.23	22	2510	703	96	5.36	0.2	0.922	0.471	0	0	0	429
PL.61726	PL.61723	ABC	336 MCM AC	7.45Y	124.1	0.08	0.88	116.05	22	2501	690	96	1.01	0.0	1.011	0.089	0	0	0	426
PD.9168-A	PL.61726	ABC	Closed	7.45Y	124.1	0.00	0.88	116.05	0	2500	688	96	0.00	0.0	1.011	0.089	0	0	0	426
PD.9168-B	PD.9168-A	ABC	Closed	7.45Y	124.1	0.00	0.88	116.05	0	2500	688	96	0.00	0.0	1.011	0.089	0	0	0	426
PL.61727	PD.9168-B	ABC	336 MCM AC	7.44Y	124.1	0.07	0.94	116.05	22	2500	688	96	0.88	0.0	1.089	0.078	2	0	1	426
PL.52270	PL.61727	ABC	336 MCM AC	7.42Y	123.7	0.40	1.35	115.94	22	2497	685	96	5.32	0.2	1.559	0.470	0	0	0	425
PL.52271	PL.52270	B	#2 ACSR	7.42Y	123.7	0.00	1.35	0.00	0	0	0	100	0.00	0.0	1.563	0.004	0	0	0	0
PD.7310	PL.52271	B	70QA	7.42Y	123.7	0.00	1.35	0.00	0	0	0	100	0.00	0.0	1.563	0.004	0	0	0	0
PL.49184	PD.7310	B	#2 ACSR	7.42Y	123.7	0.00	1.35	0.00	0	0	0	100	0.00	0.0	1.832	0.270	0	0	0	0
PL.52272	PL.52270	ABC	336 MCM AC	7.39Y	123.2	0.42	1.77	115.94	22	2491	673	97	5.56	0.2	2.050	0.491	0	0	0	425
PL.58617	PL.52272	ABC	336 MCM AC	7.39Y	123.2	0.07	1.83	115.42	22	2475	657	97	0.89	0.0	2.130	0.080	0	0	0	423
PD.8626-A	PL.58617	ABC	Closed	7.39Y	123.2	0.00	1.83	115.42	0	2474	655	97	0.00	0.0	2.130	0.080	0	0	0	423
PD.8626-B	PD.8626-A	ABC	Closed	7.39Y	123.2	0.00	1.83	115.42	0	2474	655	97	0.00	0.0	2.130	0.080	0	0	0	423
PL.63423	PD.8626-B	ABC	336 MCM AC	7.39Y	123.1	0.03	1.86	115.42	22	2474	655	97	0.40	0.0	2.165	0.035	0	0	0	423
PL.63422	PL.63423	ABC	336 MCM AC	7.39Y	123.1	0.00	1.86	115.42	22	2473	654	97	0.00	0.0	2.165	0.000	0	0	0	423
PL.58618	PL.63422	ABC	336 MCM AC	7.39Y	123.1	0.03	1.89	114.88	22	2462	651	97	0.37	0.0	2.198	0.033	0	0	0	421
PL.62964	PL.58618	ABC	336 MCM AC	7.39Y	123.1	0.00	1.89	0.00	0	0	0	100	0.00	0.0	2.210	0.011	0	0	0	0

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.9400-A	PL.62964	ABC	Open	7.39Y	123.1	0.00	1.89	0.00	0	0	0	100	0.00	0.0	2.210	0.011	0	0	0	0
PL.58623	PL.58618	ABC	336 MCM AC	7.38Y	123.0	0.15	2.05	114.88	22	2461	651	97	2.05	0.1	2.382	0.184	0	0	0	421
PL.58622	PL.58623	ABC	336 MCM AC	7.37Y	122.9	0.07	2.12	114.88	22	2459	646	97	0.95	0.0	2.468	0.086	0	0	0	421
PL.58626	PL.58622	ABC	336 MCM AC	7.37Y	122.8	0.08	2.20	114.88	22	2458	644	97	1.10	0.0	2.567	0.099	0	0	0	421
PL.58627	PL.58626	ABC	336 MCM AC	7.37Y	122.8	0.02	2.22	114.88	22	2457	641	97	0.24	0.0	2.588	0.021	0	0	0	421
PL.58635	PL.58627	ABC	336 MCM AC	7.36Y	122.7	0.06	2.28	114.88	22	2457	640	97	0.83	0.0	2.663	0.075	0	0	0	421
PL.58636	PL.58635	ABC	336 MCM AC	7.35Y	122.6	0.15	2.43	114.88	22	2456	639	97	2.04	0.1	2.847	0.184	0	0	0	421
PL.58637	PL.58636	ABC	336 MCM AC	7.34Y	122.4	0.17	2.60	114.56	22	2447	632	97	2.25	0.1	3.051	0.204	0	0	0	419
PL.58721	PL.58637	ABC	336 MCM AC	7.34Y	122.3	0.11	2.72	114.56	22	2445	627	97	1.52	0.1	3.188	0.137	0	0	0	419
PL.58675	PL.58721	ABC	336 MCM AC	7.33Y	122.2	0.09	2.81	114.56	22	2443	623	97	1.20	0.0	3.296	0.108	0	0	0	419
PL.58859	PL.58675	ABC	336 MCM AC	7.32Y	122.0	0.22	3.03	114.56	22	2442	621	97	2.97	0.1	3.564	0.268	0	0	0	419
PL.60170	PL.58859	ABC	336 MCM AC	7.31Y	121.8	0.21	3.24	114.56	22	2439	614	97	2.87	0.1	3.824	0.260	0	0	0	419
PL.64130	PL.60170	ABC	336 MCM AC	7.30Y	121.7	0.03	3.27	114.56	22	2436	607	97	0.39	0.0	3.860	0.036	1	0	1	419
PL.64131	PL.64130	ABC	336 MCM AC	7.30Y	121.7	0.06	3.33	114.53	22	2435	606	97	0.79	0.0	3.932	0.072	0	0	0	418
PL.60172	PL.64131	ABC	336 MCM AC	7.29Y	121.5	0.17	3.50	114.53	22	2434	604	97	2.25	0.1	4.135	0.204	0	0	0	417
PL.60171	PL.60172	ABC	336 MCM AC	7.28Y	121.3	0.20	3.69	114.53	22	2432	599	97	2.66	0.1	4.376	0.240	0	0	0	417
PL.60165	PL.60171	ABC	336 MCM AC	7.26Y	121.0	0.29	3.98	114.53	22	2429	593	97	3.92	0.2	4.731	0.355	0	0	0	417
PL.60166	PL.60165	ABC	#3/0 ACSR	7.26Y	120.9	0.07	4.05	114.53	38	2426	583	97	1.04	0.0	4.778	0.047	1	0	1	417
PL.60167	PL.60166	ABC	#3/0 ACSR	7.25Y	120.9	0.08	4.13	114.46	38	2423	582	97	1.26	0.1	4.835	0.057	0	0	0	416
PL.60164	PL.60167	ABC	336 MCM AC	7.24Y	120.7	0.12	4.25	114.46	22	2422	580	97	1.65	0.1	4.986	0.151	14	3	2	416
PL.47205	PL.60164	ABC	336 MCM AC	7.24Y	120.7	0.03	4.28	113.82	22	2407	573	97	0.44	0.0	5.026	0.040	22	5	3	414
PL.47206	PL.47205	ABC	336 MCM AC	7.24Y	120.7	0.05	4.34	112.79	22	2384	567	97	0.69	0.0	5.090	0.064	3	1	1	411
PL.47774	PL.47206	A	#4 ACSR	7.24Y	120.7	0.00	4.34	2.00	2	14	3	98	0.00	0.0	5.092	0.002	0	0	0	1
PD.7525	PL.47774	A	70QA	7.24Y	120.7	0.00	4.34	2.00	0	14	3	98	0.00	0.0	5.092	0.002	0	0	0	1
PL.47775	PD.7525	A	#4 ACSR	7.24Y	120.7	0.00	4.34	2.00	2	14	3	98	0.00	0.0	5.191	0.098	14	3	1	1
PL.47776	PL.47775	ABC	336 MCM AC	7.24Y	120.6	0.04	4.37	111.96	22	2366	562	97	0.51	0.0	5.139	0.049	0	0	0	409
PL.47777	PL.47776	ABC	336 MCM AC	7.24Y	120.6	0.04	4.41	111.87	22	2363	560	97	0.53	0.0	5.189	0.051	0	0	0	407
PL.58936	PL.47777	ABC	336 MCM AC	7.24Y	120.6	0.00	4.42	111.87	22	2363	559	97	0.01	0.0	5.190	0.001	0	0	0	407
PD.8662	PL.58936	ABC	200L	7.24Y	120.6	0.00	4.42	111.87	0	2363	559	97	0.00	0.0	5.190	0.001	0	0	0	407
PL.58939	PD.8662	ABC	336 MCM AC	7.23Y	120.6	0.03	4.45	111.87	22	2363	559	97	0.45	0.0	5.233	0.042	0	0	0	407
RG.57	PL.58939	ABC	114.3 KVA	7.47Y	124.4	-3.89	0.56	111.87	75	2362	558	97	percent Boost=		3.12	Tap=	5.0			407

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: Brodhead

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.58940	RG.57	ABC	336 MCM AC	7.46Y	124.4	0.02	0.58	108.37	21	2362	558	97	0.32	0.0	5.265	0.033	0	0	1	407
PL.58937	PL.58940	A	#2 ACSR	7.46Y	124.4	0.00	0.59	3.30	2	24	5	98	0.00	0.0	5.267	0.002	0	0	0	3
PD.7408	PL.58937	A	50QA	7.46Y	124.4	0.00	0.59	3.30	7	24	5	98	0.00	0.0	5.267	0.002	0	0	0	3
PL.48744	PD.7408	A	#2 ACSR	7.46Y	124.4	0.00	0.59	3.30	2	24	5	98	0.00	0.0	5.300	0.033	4	1	1	3
PL.61359	PL.48744	A	#2 ACSR	7.46Y	124.4	0.01	0.60	2.71	2	20	4	98	0.00	0.0	5.530	0.230	20	4	2	2
PL.58938	PL.58940	ABC	336 MCM AC	7.46Y	124.4	0.03	0.61	107.27	21	2338	552	97	0.35	0.0	5.301	0.036	6	1	1	403
PL.48745	PL.58938	ABC	336 MCM AC	7.46Y	124.3	0.05	0.66	106.97	21	2331	549	97	0.59	0.0	5.362	0.061	0	0	0	402
PL.48748	PL.48745	A	#2 ACSR	7.46Y	124.3	0.00	0.66	0.99	1	7	2	96	0.00	0.0	5.364	0.002	0	0	0	1
PD.7533	PL.48748	A	40QA	7.46Y	124.3	0.00	0.66	0.99	2	7	2	96	0.00	0.0	5.364	0.002	0	0	0	1
PL.48749	PD.7533	A	#2 ACSR	7.46Y	124.3	0.00	0.66	0.99	1	7	2	96	0.00	0.0	5.436	0.073	7	2	1	1
PL.48750	PL.48745	ABC	336 MCM AC	7.46Y	124.3	0.07	0.73	106.33	20	2317	545	97	0.95	0.0	5.461	0.099	3	1	1	400
PL.48751	PL.48750	ABC	336 MCM AC	7.45Y	124.2	0.03	0.77	106.17	20	2312	542	97	0.43	0.0	5.506	0.045	0	0	0	399
PL.48752	PL.48751	ABC	336 MCM AC	7.45Y	124.2	0.00	0.77	106.17	20	2312	541	97	0.01	0.0	5.508	0.001	0	0	0	399
PL.48753	PL.48752	ABC	336 MCM AC	7.45Y	124.1	0.10	0.87	106.17	20	2312	541	97	1.27	0.1	5.641	0.134	2	1	1	399
PL.47955	PL.48753	ABC	336 MCM AC	7.45Y	124.1	0.03	0.90	106.06	20	2308	537	97	0.43	0.0	5.687	0.045	0	0	0	398
PL.48915	PL.47955	B	#2 ACSR	7.45Y	124.1	0.00	0.90	0.86	0	6	1	99	0.00	0.0	5.688	0.001	0	0	0	1
PD.7410	PL.48915	B	40QA	7.45Y	124.1	0.00	0.90	0.86	2	6	1	99	0.00	0.0	5.688	0.001	0	0	0	1
PL.48916	PD.7410	B	#2 ACSR	7.45Y	124.1	0.00	0.90	0.86	0	6	1	99	0.00	0.0	5.744	0.056	6	1	1	1
PL.48914	PL.47955	ABC	336 MCM AC	7.44Y	124.0	0.07	0.97	105.77	20	2301	535	97	0.84	0.0	5.776	0.089	7	3	1	397
PL.48917	PL.48914	ABC	336 MCM AC	7.43Y	123.9	0.12	1.09	105.42	20	2293	529	97	1.56	0.1	5.944	0.168	10	2	1	396
PL.48918	PL.48917	B	#2 ACSR	7.43Y	123.9	0.00	1.09	4.74	3	34	8	97	0.00	0.0	5.946	0.002	0	0	0	1
PD.7529	PL.48918	B	40QA	7.43Y	123.9	0.00	1.09	4.74	12	34	8	97	0.00	0.0	5.946	0.002	0	0	0	1
PL.48919	PD.7529	B	#2 ACSR	7.43Y	123.9	0.00	1.10	4.74	3	34	8	97	0.00	0.0	6.005	0.059	34	8	1	1
PL.48920	PL.48917	ABC	336 MCM AC	7.43Y	123.9	0.02	1.11	103.38	20	2247	516	97	0.26	0.0	5.973	0.029	6	1	1	394
PL.48921	PL.48920	ABC	336 MCM AC	7.43Y	123.9	0.03	1.15	103.10	20	2241	514	97	0.42	0.0	6.020	0.047	0	0	0	393
PL.48759	PL.48921	ABC	336 MCM AC	7.43Y	123.8	0.03	1.18	63.19	12	1373	316	97	0.25	0.0	6.093	0.073	0	0	0	238
PL.48764	PL.48759	ABC	336 MCM AC	7.43Y	123.8	0.04	1.21	62.34	12	1354	312	97	0.26	0.0	6.173	0.080	1	0	1	234
PL.48765	PL.48764	C	#2 ACSR	7.43Y	123.8	0.00	1.21	1.60	1	12	3	97	0.00	0.0	6.174	0.002	0	0	0	3
PD.7494	PL.48765	C	25QA	7.43Y	123.8	0.00	1.21	1.60	6	12	3	97	0.00	0.0	6.174	0.002	0	0	0	3
PL.48766	PD.7494	C	#2 ACSR	7.43Y	123.8	0.00	1.21	1.60	1	12	3	97	0.00	0.0	6.195	0.021	12	3	3	3
PL.49092	PL.48764	ABC	336 MCM AC	7.43Y	123.8	0.02	1.24	61.75	12	1341	308	97	0.18	0.0	6.230	0.057	0	0	0	230

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Balanced Voltage Drop Report  
Source: Brodhead

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.49093	PL.49092	ABC	336 MCM AC	7.42Y	123.7	0.02	1.26	61.63	12	1338	307	97	0.16	0.0	6.280	0.051	0	0	0	229
PL.62490	PL.49093	B	#2 ACSR	7.42Y	123.7	0.00	1.26	19.61	11	142	32	98	0.00	0.0	6.284	0.003	0	0	0	23
PD.9356	PL.62490	B	30T	7.42Y	123.7	0.00	1.26	19.61	0	142	32	98	0.00	0.0	6.284	0.003	0	0	0	23
PL.62491	PD.9356	B	#2 ACSR	7.42Y	123.7	0.03	1.30	19.61	11	142	32	98	0.04	0.0	6.342	0.058	0	0	0	23
PL.49252	PL.62491	B	#2 ACSR	7.42Y	123.7	0.00	1.30	0.02	0	0	0	100	0.00	0.0	6.343	0.001	0	0	0	1
PD.7368	PL.49252	B	60QA	7.42Y	123.7	0.00	1.30	0.02	0	0	0	100	0.00	0.0	6.343	0.001	0	0	0	1
PL.49253	PD.7368	B	#2 ACSR	7.42Y	123.7	0.00	1.30	0.02	0	0	0	100	0.00	0.0	6.384	0.041	0	0	0	1
PL.49251	PL.49253	B	#2 ACSR	7.42Y	123.7	0.00	1.30	0.02	0	0	0	100	0.00	0.0	6.426	0.042	0	0	1	1
PL.49254	PL.62491	B	#2 ACSR	7.42Y	123.6	0.08	1.38	19.59	11	142	32	98	0.08	0.1	6.475	0.133	0	0	0	22
PL.49255	PL.49254	B	#2 ACSR	7.41Y	123.5	0.09	1.47	18.59	11	135	30	98	0.09	0.1	6.637	0.162	0	0	0	21
PL.49257	PL.49255	B	#2 ACSR	7.40Y	123.3	0.19	1.66	17.82	10	129	29	98	0.18	0.1	6.984	0.347	0	0	0	19
PL.58999	PL.49257	B	#2 ACSR	7.40Y	123.3	0.06	1.72	17.82	10	129	29	98	0.05	0.0	7.093	0.109	2	0	2	19
PL.59000	PL.58999	B	#2 ACSR	7.39Y	123.1	0.14	1.86	17.54	10	127	28	98	0.13	0.1	7.376	0.283	15	3	1	17
PL.49262	PL.59000	B	#2 ACSR	7.39Y	123.1	0.05	1.91	15.50	9	112	25	98	0.04	0.0	7.486	0.110	9	2	1	16
PL.49079	PL.49262	B	#2 ACSR	7.38Y	123.1	0.02	1.93	7.58	4	55	12	98	0.01	0.0	7.587	0.101	11	3	1	10
PL.49080	PL.49079	B	#2 ACSR	7.38Y	123.1	0.01	1.95	6.01	3	43	10	97	0.00	0.0	7.647	0.060	0	0	0	9
PL.49081	PL.49080	B	#2 ACSR	7.38Y	123.1	0.00	1.95	1.48	1	11	2	98	0.00	0.0	7.664	0.017	6	1	1	2
PL.49082	PL.49081	B	#2 ACSR	7.38Y	123.1	0.00	1.95	0.63	0	5	1	98	0.00	0.0	7.687	0.023	5	1	1	1
PL.49083	PL.49080	B	#2 ACSR	7.38Y	123.0	0.00	1.95	4.53	3	33	7	98	0.00	0.0	7.688	0.040	8	2	1	7
PL.49084	PL.49083	B	#2 ACSR	7.38Y	123.0	0.01	1.96	3.44	2	25	6	97	0.00	0.0	7.768	0.081	5	1	1	6
PL.49085	PL.49084	B	#2 ACSR	7.38Y	123.0	0.01	1.97	2.77	2	20	4	98	0.00	0.0	7.860	0.092	0	0	0	5
PL.47690	PL.49085	B	#2 ACSR	7.38Y	123.0	0.00	1.97	0.01	0	0	0	100	0.00	0.0	7.914	0.055	0	0	1	1
PL.49086	PL.49085	B	#2 ACSR	7.38Y	123.0	0.01	1.97	2.75	2	20	4	98	0.00	0.0	7.941	0.081	0	0	0	4
PL.46197	PL.49086	B	#2 ACSR	7.38Y	123.0	0.00	1.97	0.00	0	0	0	100	0.00	0.0	8.026	0.085	0	0	0	0
PL.49087	PL.49086	B	#2 ACSR	7.38Y	123.0	0.00	1.98	2.26	1	16	4	97	0.00	0.0	8.015	0.074	3	1	1	3
PL.49088	PL.49087	B	#2 ACSR	7.38Y	123.0	0.00	1.98	1.87	1	14	3	98	0.00	0.0	8.038	0.023	0	0	0	2
PL.49089	PL.49088	B	#2 ACSR	7.38Y	123.0	0.01	1.98	1.87	1	14	3	98	0.00	0.0	8.161	0.123	5	1	1	2
PL.49090	PL.49089	B	#2 ACSR	7.38Y	123.0	0.00	1.99	1.23	1	9	2	98	0.00	0.0	8.346	0.185	9	2	1	1
PL.47326	PL.49086	B	#2 ACSR	7.38Y	123.0	0.00	1.97	0.49	0	4	1	97	0.00	0.0	7.987	0.047	4	1	1	1
PL.49077	PL.49262	B	#2 ACSR	7.38Y	123.1	0.01	1.92	3.49	2	25	6	97	0.00	0.0	7.565	0.080	8	2	1	3
PL.49078	PL.49077	B	#2 ACSR	7.38Y	123.1	0.00	1.93	2.42	1	17	4	97	0.00	0.0	7.685	0.120	15	3	1	2

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Balanced Voltage Drop Report  
Source: Brodhead

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.49263	PL.49078	B	#2 ACSR	7.38Y	123.1	0.00	1.93	0.27	0	2	0	100	0.00	0.0	7.756	0.071	2	0	1	1
PL.59143	PL.49262	B	#2 ACSR	7.39Y	123.1	0.00	1.91	3.14	2	23	5	98	0.00	0.0	7.489	0.004	0	0	0	2
PD.8888	PL.59143	B	15T	7.39Y	123.1	0.00	1.91	3.14	0	23	5	98	0.00	0.0	7.489	0.004	0	0	0	2
PL.59144	PD.8888	B	#2 ACSR	7.38Y	123.1	0.02	1.93	3.14	2	23	5	98	0.00	0.0	7.703	0.214	0	0	0	2
PL.46196	PL.59144	B	#2 ACSR	7.38Y	123.1	0.00	1.93	1.08	1	8	2	97	0.00	0.0	7.733	0.029	8	2	1	1
PL.49091	PL.59144	B	#2 ACSR	7.38Y	123.1	0.00	1.94	2.06	1	15	3	98	0.00	0.0	7.763	0.059	0	0	0	1
PL.47958	PL.49091	B	#2 ACSR	7.38Y	123.1	0.01	1.95	2.06	1	15	3	98	0.00	0.0	8.130	0.368	15	3	1	1
PL.47648	PL.49091	B	#2 ACSR	7.38Y	123.1	0.00	1.94	0.00	0	0	0	100	0.00	0.0	7.806	0.043	0	0	0	0
PL.49256	PL.49255	B	#2 ACSR	7.41Y	123.5	0.01	1.47	0.76	0	6	1	99	0.00	0.0	6.861	0.224	0	0	0	2
PL.47636	PL.49256	B	#2 ACSR	7.41Y	123.5	0.00	1.47	0.00	0	0	0	100	0.00	0.0	6.900	0.039	0	0	0	0
PL.49258	PL.49256	B	#2 ACSR	7.41Y	123.5	0.00	1.48	0.76	0	6	1	99	0.00	0.0	6.988	0.127	0	0	0	2
PL.49260	PL.49258	B	#2 ACSR	7.41Y	123.5	0.00	1.48	0.76	0	6	1	99	0.00	0.0	6.992	0.004	0	0	0	2
PL.49261	PL.49260	B	#2 ACSR	7.41Y	123.5	0.00	1.48	0.76	0	6	1	99	0.00	0.0	7.000	0.008	3	1	1	2
PL.49259	PL.49261	B	#2 ACSR	7.41Y	123.5	0.00	1.48	0.28	0	2	0	100	0.00	0.0	7.138	0.138	2	0	1	1
PL.47278	PL.49254	B	#2 ACSR	7.42Y	123.6	0.00	1.38	1.00	1	7	2	96	0.00	0.0	6.515	0.040	7	2	1	1
PL.49096	PL.49093	ABC	336 MCM AC	7.42Y	123.7	0.02	1.28	55.10	11	1196	275	97	0.11	0.0	6.323	0.043	29	6	2	206
PL.49242	PL.49096	ABC	336 MCM AC	7.42Y	123.7	0.02	1.29	53.54	10	1162	267	97	0.12	0.0	6.373	0.049	8	2	2	203
PL.49243	PL.49242	ABC	336 MCM AC	7.42Y	123.7	0.03	1.33	53.16	10	1154	265	97	0.20	0.0	6.457	0.084	0	0	0	201
PL.49246	PL.49243	C	#2 ACSR	7.42Y	123.7	0.00	1.33	1.56	1	11	3	96	0.00	0.0	6.458	0.001	0	0	0	2
PD.7587	PL.49246	C	40QA	7.42Y	123.7	0.00	1.33	1.56	4	11	3	96	0.00	0.0	6.458	0.001	0	0	0	2
PL.49249	PD.7587	C	#2 ACSR	7.42Y	123.7	0.00	1.33	1.56	1	11	3	96	0.00	0.0	6.496	0.038	11	2	1	2
PL.49250	PL.49249	C	#2 ACSR	7.42Y	123.7	0.00	1.33	0.03	0	0	0	100	0.00	0.0	6.531	0.035	0	0	1	1
PL.49244	PL.49243	A	#2 ACSR	7.42Y	123.7	0.00	1.33	2.02	1	15	3	98	0.00	0.0	6.458	0.001	0	0	0	2
PD.7508	PL.49244	A	40QA	7.42Y	123.7	0.00	1.33	2.02	5	15	3	98	0.00	0.0	6.458	0.001	0	0	0	2
PL.49245	PD.7508	A	#2 ACSR	7.42Y	123.7	0.00	1.33	2.02	1	15	3	98	0.00	0.0	6.508	0.050	7	2	1	2
PL.49247	PL.49245	A	#2 ACSR	7.42Y	123.7	0.00	1.33	1.04	1	8	2	97	0.00	0.0	6.551	0.043	8	2	1	1
PL.49248	PL.49247	A	#2 ACSR	7.42Y	123.7	0.00	1.33	0.00	0	0	0	100	0.00	0.0	6.587	0.036	0	0	0	0
PL.60213	PL.49243	ABC	336 MCM AC	7.42Y	123.6	0.07	1.40	51.97	10	1127	259	97	0.45	0.0	6.656	0.199	6	1	1	197
PL.60216	PL.60213	ABC	336 MCM AC	7.41Y	123.6	0.03	1.43	51.70	10	1121	257	97	0.19	0.0	6.742	0.086	0	0	0	196
PL.60217	PL.60216	ABC	336 MCM AC	7.41Y	123.5	0.04	1.47	46.47	9	1008	231	97	0.23	0.0	6.871	0.129	0	0	0	177
PL.60214	PL.60217	C	#2 ACSR	7.41Y	123.5	0.00	1.47	0.00	0	0	0	100	0.00	0.0	6.877	0.007	0	0	0	1

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Balanced Voltage Drop Report  
Source: Brodhead

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.7413	PL.60214	C	25QA	7.41Y	123.5	0.00	1.47	0.00	0	0	0	100	0.00	0.0	6.877	0.007	0	0	0	1
PL.49347	PD.7413	C	#2 ACSR	7.41Y	123.5	0.00	1.47	0.00	0	0	0	100	0.00	0.0	6.896	0.018	0	0	1	1
PL.60215	PL.60217	ABC	336 MCM AC	7.41Y	123.5	0.04	1.51	46.47	9	1007	230	97	0.20	0.0	6.980	0.110	0	0	0	176
PL.47289	PL.60215	ABC	336 MCM AC	7.41Y	123.4	0.05	1.55	46.41	9	1006	229	98	0.25	0.0	7.120	0.140	0	0	0	175
PL.47297	PL.47289	C	#2 ACSR	7.41Y	123.4	0.00	1.55	0.77	0	6	1	99	0.00	0.0	7.127	0.007	0	0	0	1
PD.7509	PL.47297	C	25QA	7.41Y	123.4	0.00	1.55	0.77	3	6	1	99	0.00	0.0	7.127	0.007	0	0	0	1
PL.47298	PD.7509	C	#2 ACSR	7.41Y	123.4	0.00	1.55	0.77	0	6	1	99	0.00	0.0	7.176	0.049	6	1	1	1
PL.47290	PL.47289	ABC	336 MCM AC	7.41Y	123.4	0.02	1.58	46.15	9	1000	228	97	0.14	0.0	7.196	0.076	0	0	0	174
PL.47711	PL.47290	ABC	336 MCM AC	7.40Y	123.4	0.04	1.61	44.66	9	968	220	98	0.20	0.0	7.313	0.117	4	1	1	170
PL.49350	PL.47711	ABC	336 MCM AC	7.40Y	123.4	0.03	1.64	44.46	9	963	219	98	0.15	0.0	7.403	0.090	9	2	1	169
PL.49352	PL.49350	ABC	336 MCM AC	7.40Y	123.3	0.01	1.65	44.06	8	954	216	98	0.06	0.0	7.439	0.036	0	0	0	168
PL.49355	PL.49352	ABC	336 MCM AC	7.40Y	123.3	0.02	1.67	43.33	8	938	213	98	0.09	0.0	7.494	0.055	4	1	1	167
PL.49356	PL.49355	ABC	336 MCM AC	7.40Y	123.3	0.01	1.68	43.14	8	934	212	98	0.07	0.0	7.541	0.047	6	1	1	166
PL.49357	PL.49356	ABC	336 MCM AC	7.40Y	123.3	0.04	1.72	42.88	8	928	210	98	0.18	0.0	7.660	0.119	0	0	0	165
PL.49358	PL.49357	ABC	336 MCM AC	7.39Y	123.2	0.09	1.81	42.09	8	911	206	98	0.44	0.0	7.957	0.297	0	0	0	163
PL.49360	PL.49358	ABC	#1/0 ACSR	7.39Y	123.1	0.06	1.87	31.22	14	675	152	98	0.30	0.0	8.073	0.116	0	0	0	118
PL.49361	PL.49360	ABC	#1/0 ACSR	7.39Y	123.1	0.02	1.89	30.46	13	659	148	98	0.10	0.0	8.112	0.040	14	3	2	114
PL.49362	PL.49361	ABC	#1/0 ACSR	7.39Y	123.1	0.02	1.91	29.80	13	644	145	98	0.09	0.0	8.151	0.039	0	0	0	112
PL.48184	PL.49362	ABC	#1/0 ACSR	7.38Y	123.0	0.06	1.97	28.01	12	605	136	98	0.24	0.0	8.270	0.118	11	3	2	103
PL.49366	PL.48184	A	#2 ACSR	7.38Y	123.0	0.00	1.97	0.48	0	3	1	95	0.00	0.0	8.277	0.007	0	0	0	1
PD.7593	PL.49366	A	25QA	7.38Y	123.0	0.00	1.97	0.48	2	3	1	95	0.00	0.0	8.277	0.007	0	0	0	1
PL.49367	PD.7593	A	#2 ACSR	7.38Y	123.0	0.00	1.97	0.48	0	3	1	95	0.00	0.0	8.324	0.047	3	1	1	1
PL.49369	PL.48184	ABC	#1/0 ACSR	7.38Y	123.0	0.03	2.00	27.32	12	590	133	98	0.11	0.0	8.327	0.058	0	0	0	100
PL.49374	PL.49369	C	#2 ACSR	7.38Y	123.0	0.00	2.00	2.18	1	16	3	98	0.00	0.0	8.333	0.006	0	0	0	3
PD.7402	PL.49374	C	25QA	7.38Y	123.0	0.00	2.00	2.18	9	16	3	98	0.00	0.0	8.333	0.006	0	0	0	3
PL.49375	PD.7402	C	#2 ACSR	7.38Y	123.0	0.00	2.00	2.18	1	16	3	98	0.00	0.0	8.366	0.033	16	3	3	3
PL.49372	PL.49369	A	#2 ACSR	7.38Y	123.0	0.00	2.00	1.87	1	13	3	97	0.00	0.0	8.333	0.006	0	0	0	1
PD.7403	PL.49372	A	25QA	7.38Y	123.0	0.00	2.00	1.87	7	13	3	97	0.00	0.0	8.333	0.006	0	0	0	1
PL.49373	PD.7403	A	#2 ACSR	7.38Y	123.0	0.00	2.00	1.87	1	13	3	97	0.00	0.0	8.369	0.036	13	3	1	1
PL.49376	PL.49369	ABC	#1/0 ACSR	7.38Y	123.0	0.05	2.04	25.97	11	561	126	98	0.19	0.0	8.435	0.108	0	0	0	96
PL.49377	PL.49376	C	#2 ACSR	7.38Y	123.0	0.00	2.04	1.37	1	10	2	98	0.00	0.0	8.441	0.005	0	0	0	2

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Balanced Voltage Drop Report  
Source: Brodhead

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.7404	PL.49377	C	25QA	7.38Y	123.0	0.00	2.04	1.37	5	10	2	98	0.00	0.0	8.441	0.005	0	0	0	2
PL.49378	PD.7404	C	#2 ACSR	7.38Y	123.0	0.00	2.05	1.37	1	10	2	98	0.00	0.0	8.474	0.033	10	2	2	2
PL.49379	PL.49376	ABC	#1/0 ACSR	7.38Y	122.9	0.02	2.07	25.51	11	551	124	98	0.09	0.0	8.487	0.052	0	0	0	94
PL.49380	PL.49379	ABC	#1/0 ACSR	7.37Y	122.9	0.03	2.09	25.51	11	551	124	98	0.10	0.0	8.544	0.057	0	0	0	94
PL.49187	PL.49380	C	#2 ACSR	7.37Y	122.9	0.00	2.09	1.41	1	10	2	98	0.00	0.0	8.551	0.007	0	0	0	2
PD.7552	PL.49187	C	25QA	7.37Y	122.9	0.00	2.09	1.41	6	10	2	98	0.00	0.0	8.551	0.007	0	0	0	2
PL.49188	PD.7552	C	#2 ACSR	7.37Y	122.9	0.00	2.09	1.41	1	10	2	98	0.00	0.0	8.568	0.017	10	2	2	2
PL.49186	PL.49380	ABC	#1/0 ACSR	7.37Y	122.9	0.03	2.12	25.05	11	541	121	98	0.11	0.0	8.612	0.068	0	0	0	92
PL.49189	PL.49186	ABC	#1/0 ACSR	7.37Y	122.8	0.03	2.16	25.05	11	541	121	98	0.12	0.0	8.686	0.074	0	0	0	92
PL.49190	PL.49189	ABC	#1/0 ACSR	7.37Y	122.8	0.03	2.18	25.05	11	540	121	98	0.11	0.0	8.751	0.065	5	1	1	92
PL.49191	PL.49190	ABC	#1/0 ACSR	7.37Y	122.8	0.04	2.22	24.80	11	535	120	98	0.15	0.0	8.840	0.089	0	0	0	91
PL.49192	PL.49191	ABC	#1/0 ACSR	7.37Y	122.8	0.02	2.24	24.28	11	524	117	98	0.08	0.0	8.892	0.052	0	0	1	90
PL.46900	PL.49192	ABC	#1/0 ACSR	7.36Y	122.7	0.01	2.26	16.39	7	353	79	98	0.03	0.0	8.935	0.043	0	0	0	61
PL.49195	PL.46900	ABC	#1/0 ACSR	7.36Y	122.7	0.00	2.26	16.39	7	353	79	98	0.00	0.0	8.936	0.001	0	0	0	61
PD.7562	PL.49195	ABC	50L	7.36Y	122.7	0.00	2.26	16.39	33	353	79	98	0.00	0.0	8.936	0.001	0	0	0	61
PL.49196	PD.7562	ABC	#1/0 ACSR	7.36Y	122.7	0.02	2.27	16.39	7	353	79	98	0.04	0.0	8.992	0.056	0	0	0	61
PL.49197	PL.49196	C	#2 ACSR	7.36Y	122.7	0.00	2.27	2.24	1	16	4	97	0.00	0.0	8.994	0.001	0	0	0	1
PD.7475	PL.49197	C	25QA	7.36Y	122.7	0.00	2.27	2.24	9	16	4	97	0.00	0.0	8.994	0.001	0	0	0	1
PL.49198	PD.7475	C	#2 ACSR	7.36Y	122.7	0.00	2.28	2.24	1	16	4	97	0.00	0.0	9.072	0.078	16	4	1	1
PL.49199	PL.49196	ABC	#1/0 ACSR	7.36Y	122.7	0.02	2.30	15.65	7	337	75	98	0.06	0.0	9.082	0.089	15	3	2	60
PL.49200	PL.49199	ABC	#1/0 ACSR	7.36Y	122.7	0.02	2.31	14.94	6	322	72	98	0.03	0.0	9.140	0.059	0	0	0	58
PL.49201	PL.49200	ABC	#1/0 ACSR	7.36Y	122.7	0.01	2.32	9.79	4	211	47	98	0.01	0.0	9.192	0.051	1	0	2	46
PL.49202	PL.49201	ABC	#1/0 ACSR	7.36Y	122.7	0.01	2.33	9.74	4	210	47	98	0.01	0.0	9.250	0.059	0	0	0	44
PL.46489	PL.49202	ABC	#1/0 ACSR	7.36Y	122.7	0.00	2.33	9.74	4	210	47	98	0.00	0.0	9.256	0.006	0	0	0	44
PD.7183-A	PL.46489	ABC	Closed	7.36Y	122.7	0.00	2.33	9.74	0	210	47	98	0.00	0.0	9.256	0.006	0	0	0	44
PD.7183-B	PD.7183-A	ABC	Closed	7.36Y	122.7	0.00	2.33	9.74	0	210	47	98	0.00	0.0	9.256	0.006	0	0	0	44
PL.46490	PD.7183-B	ABC	#1/0 ACSR	7.35Y	122.6	0.08	2.42	9.74	4	210	47	98	0.12	0.1	9.771	0.515	16	3	1	44
PL.49203	PL.46490	A	#2 ACSR	7.35Y	122.6	0.00	2.42	6.08	3	44	10	98	0.00	0.0	9.773	0.002	0	0	0	9
PD.7488	PL.49203	A	30T	7.35Y	122.6	0.00	2.42	6.08	0	44	10	98	0.00	0.0	9.773	0.002	0	0	0	9
PL.62919	PD.7488	A	#2 ACSR	7.35Y	122.6	0.02	2.44	6.08	3	44	10	98	0.01	0.0	9.878	0.105	9	2	3	9
PL.62920	PL.62919	A	#2 ACSR	7.35Y	122.5	0.02	2.45	4.79	3	34	8	97	0.00	0.0	10.002	0.124	2	0	1	6

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.49273	PL.62920	A	#2 ACSR	7.35Y	122.5	0.01	2.46	4.48	3	32	7	98	0.00	0.0	10.088	0.086	18	4	2	5
PL.49274	PL.49273	A	#2 ACSR	7.35Y	122.5	0.01	2.47	1.97	1	14	3	98	0.00	0.0	10.202	0.114	3	1	1	3
PL.49276	PL.49274	A	6 A (CWC)	7.35Y	122.5	0.00	2.47	0.84	1	6	1	99	0.00	0.0	10.234	0.032	6	1	1	1
PL.49277	PL.49276	A	6 A (CWC)	7.35Y	122.5	0.00	2.47	0.00	0	0	0	100	0.00	0.0	10.346	0.112	0	0	0	0
PL.49275	PL.49274	A	#2 ACSR	7.35Y	122.5	0.00	2.47	0.74	0	5	1	98	0.00	0.0	10.279	0.077	5	1	1	1
PL.49204	PL.46490	C	#1/0 ACSR	7.35Y	122.6	0.00	2.42	20.95	9	150	34	98	0.00	0.0	9.773	0.002	0	0	0	34
C PD.7575	PL.49204	C	25QA	7.35Y	122.6	0.00	2.42	20.95	84	150	34	98	0.00	0.0	9.773	0.002	0	0	0	34 C
PL.49205	PD.7575	C	#1/0 ACSR	7.35Y	122.6	0.02	2.43	20.95	9	150	34	98	0.02	0.0	9.808	0.035	2	0	1	34
PL.49206	PL.49205	C	#1/0 ACSR	7.35Y	122.5	0.02	2.45	20.73	9	149	33	98	0.02	0.0	9.842	0.034	0	0	0	33
PL.49381	PL.49206	C	#1/0 ACSR	7.35Y	122.5	0.02	2.47	19.27	8	138	31	98	0.02	0.0	9.901	0.058	10	2	1	31
PL.49382	PL.49381	C	#1/0 ACSR	7.35Y	122.5	0.03	2.50	17.90	8	128	29	98	0.02	0.0	9.971	0.070	2	0	1	30
PL.49383	PL.49382	C	#1/0 ACSR	7.35Y	122.5	0.01	2.51	17.67	8	127	28	98	0.01	0.0	10.002	0.031	0	0	1	29
PL.49384	PL.49383	C	#1/0 ACSR	7.35Y	122.4	0.07	2.58	17.63	8	126	28	98	0.06	0.0	10.186	0.184	15	3	1	28
PL.49385	PL.49384	C	#1/0 ACSR	7.34Y	122.4	0.02	2.60	15.53	7	111	25	98	0.01	0.0	10.235	0.049	9	2	1	27
PL.49386	PL.49385	C	#1/0 ACSR	7.34Y	122.4	0.05	2.65	14.33	6	103	23	98	0.03	0.0	10.398	0.162	8	2	1	26
PL.63432	PL.49386	C	#1/0 ACSR	7.34Y	122.4	0.00	2.65	0.00	0	0	0	100	0.00	0.0	10.400	0.002	0	0	0	2
PD.9471	PL.63432	C	20T	7.34Y	122.4	0.00	2.65	0.00	0	0	0	100	0.00	0.0	10.400	0.002	0	0	0	2
PL.63433	PD.9471	C	#1/0 ACSR	7.34Y	122.4	0.00	2.65	0.00	0	0	0	100	0.00	0.0	10.449	0.049	0	0	2	2
PL.49387	PL.49386	C	#1/0 ACSR	7.34Y	122.3	0.05	2.70	13.27	6	95	21	98	0.03	0.0	10.551	0.154	0	0	1	23
PL.49388	PL.49387	C	#1/0 ACSR	7.34Y	122.3	0.02	2.72	13.27	6	95	21	98	0.01	0.0	10.626	0.075	3	1	1	22
PL.46796	PL.49388	C	#2 ACSR	7.34Y	122.3	0.00	2.72	0.90	1	6	1	99	0.00	0.0	10.688	0.062	6	1	3	3
PL.47988	PL.49388	C	#1/0 ACSR	7.34Y	122.3	0.01	2.73	12.00	5	86	19	98	0.01	0.0	10.682	0.056	0	0	0	18
PL.47285	PL.47988	C	#2 ACSR	7.34Y	122.3	0.00	2.73	0.01	0	0	0	100	0.00	0.0	10.728	0.046	0	0	1	1
PL.47989	PL.47988	C	#1/0 ACSR	7.34Y	122.3	0.01	2.74	12.00	5	86	19	98	0.01	0.0	10.719	0.037	0	0	0	17
PL.47627	PL.47989	C	#2 ACSR	7.34Y	122.3	0.00	2.74	1.93	1	14	3	98	0.00	0.0	10.768	0.049	14	3	2	2
PL.47990	PL.47989	C	#1/0 ACSR	7.33Y	122.2	0.02	2.76	10.07	4	72	16	98	0.01	0.0	10.809	0.090	0	0	0	15
PL.47991	PL.47990	C	#1/0 ACSR	7.33Y	122.2	0.01	2.77	10.07	4	72	16	98	0.00	0.0	10.845	0.036	3	1	1	15
PL.47992	PL.47991	C	#1/0 ACSR	7.33Y	122.2	0.02	2.79	9.63	4	69	15	98	0.01	0.0	10.935	0.090	15	3	1	14
PL.47993	PL.47992	C	#1/0 ACSR	7.33Y	122.2	0.02	2.81	7.59	3	54	12	98	0.01	0.0	11.044	0.109	0	0	0	13
PL.47214	PL.47993	C	#4 ACSR	7.33Y	122.2	0.00	2.81	1.87	1	13	3	97	0.00	0.0	11.094	0.050	13	3	2	2
PL.47994	PL.47993	C	#1/0 ACSR	7.33Y	122.2	0.01	2.82	5.72	2	41	9	98	0.00	0.0	11.154	0.110	4	1	3	11

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Balanced Voltage Drop Report  
Source: Brodhead

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.58966	PL.47994	C	#1/0 ACSR	7.33Y	122.2	0.00	2.82	3.40	1	24	5	98	0.00	0.0	11.215	0.060	0	0	1	6
PL.58968	PL.58966	C	#2 ACSR	7.33Y	122.2	0.00	2.82	0.00	0	0	0	100	0.00	0.0	11.267	0.053	0	0	0	0
PL.49269	PL.58968	C	#2 ACSR	7.33Y	122.2	0.00	2.82	0.00	0	0	0	100	0.00	0.0	11.305	0.037	0	0	0	0
PL.58967	PL.58966	C	#1/0 ACSR	7.33Y	122.2	0.00	2.83	3.40	1	24	5	98	0.00	0.0	11.252	0.037	15	3	3	5
PL.49270	PL.58967	C	#1/0 ACSR	7.33Y	122.2	0.00	2.83	1.35	1	10	2	98	0.00	0.0	11.304	0.053	3	1	1	2
PL.49271	PL.49270	C	#1/0 ACSR	7.33Y	122.2	0.00	2.83	0.95	0	7	2	96	0.00	0.0	11.355	0.051	0	0	0	1
PL.49272	PL.49271	C	#1/0 ACSR	7.33Y	122.2	0.00	2.83	0.95	0	7	2	96	0.00	0.0	11.390	0.035	7	2	1	1
PL.47407	PL.47994	C	#4 ACSR	7.33Y	122.2	0.00	2.82	1.81	1	13	3	97	0.00	0.0	11.181	0.027	13	3	2	2
PL.49207	PL.49206	C	6 A (CWC)	7.35Y	122.5	0.00	2.45	1.46	1	10	2	98	0.00	0.0	9.872	0.030	6	1	1	2
PL.49208	PL.49207	C	6 A (CWC)	7.35Y	122.5	0.00	2.45	0.68	0	5	1	98	0.00	0.0	10.009	0.136	5	1	1	1
PL.58478	PL.49200	C	6 A (CWC)	7.36Y	122.7	0.00	2.31	15.44	11	111	25	98	0.00	0.0	9.143	0.003	0	0	0	12
PD.8690	PL.58478	C	25T	7.36Y	122.7	0.00	2.31	15.44	0	111	25	98	0.00	0.0	9.143	0.003	0	0	0	12
PL.58479	PD.8690	C	6 A (CWC)	7.35Y	122.5	0.14	2.45	15.44	11	111	25	98	0.11	0.1	9.356	0.213	16	4	1	12
PL.58477	PL.58479	C	6 A (CWC)	7.35Y	122.4	0.12	2.58	13.24	9	95	21	98	0.09	0.1	9.564	0.208	0	0	0	11
PL.49278	PL.58477	C	6 A (CWC)	7.34Y	122.4	0.04	2.62	7.17	5	51	11	98	0.02	0.0	9.700	0.136	7	2	1	6
PL.49280	PL.49278	C	6 A (CWC)	7.34Y	122.4	0.00	2.62	2.23	2	16	4	97	0.00	0.0	9.729	0.029	10	2	1	2
PL.47446	PL.49280	C	6 A (CWC)	7.34Y	122.4	0.00	2.62	0.00	0	0	0	100	0.00	0.0	9.748	0.019	0	0	0	0
PL.49281	PL.49280	C	6 A (CWC)	7.34Y	122.4	0.00	2.62	0.90	1	6	1	99	0.00	0.0	9.751	0.022	6	1	1	1
PL.49279	PL.49281	C	6 A (CWC)	7.34Y	122.4	0.00	2.62	0.00	0	0	0	100	0.00	0.0	9.789	0.037	0	0	0	0
PL.49282	PL.49278	C	#4 ACSR	7.34Y	122.4	0.01	2.62	3.98	3	29	6	98	0.00	0.0	9.753	0.053	11	2	1	3
PL.49283	PL.49282	C	#4 ACSR	7.34Y	122.4	0.00	2.63	2.44	2	17	4	97	0.00	0.0	9.797	0.044	17	4	2	2
PL.47431	PL.58477	C	6 A (CWC)	7.35Y	122.4	0.00	2.58	0.00	0	0	0	100	0.00	0.0	9.651	0.087	0	0	0	0
PL.49286	PL.58477	C	6 A (CWC)	7.34Y	122.4	0.07	2.65	6.07	4	43	10	97	0.02	0.1	9.832	0.268	0	0	0	5
PL.49287	PL.49286	C	6 A (CWC)	7.34Y	122.3	0.01	2.66	2.94	2	21	5	97	0.00	0.0	9.878	0.046	0	0	0	3
PL.47427	PL.49287	C	6 A (CWC)	7.34Y	122.3	0.00	2.66	1.19	1	9	2	98	0.00	0.0	9.926	0.048	9	2	1	1
PL.49285	PL.49287	C	6 A (CWC)	7.34Y	122.3	0.01	2.66	1.75	1	13	3	97	0.00	0.0	10.050	0.172	10	2	1	2
PL.49284	PL.49285	C	6 A (CWC)	7.34Y	122.3	0.00	2.66	0.29	0	2	0	100	0.00	0.0	10.107	0.057	2	0	1	1
PL.47432	PL.49286	C	#4 ACSR	7.34Y	122.3	0.01	2.66	3.13	2	22	5	98	0.00	0.0	9.954	0.123	22	5	2	2
PL.46194	PL.49192	A	6 A (CWC)	7.36Y	122.7	0.04	2.29	23.65	17	170	38	98	0.06	0.0	8.933	0.041	0	0	0	28
PL.61959	PL.46194	A	6 A (CWC)	7.36Y	122.7	0.00	2.29	23.65	17	170	38	98	0.00	0.0	8.934	0.001	0	0	0	28
PD.9255	PL.61959	A	35L	7.36Y	122.7	0.00	2.29	23.65	68	170	38	98	0.00	0.0	8.934	0.001	0	0	0	28

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Balanced Voltage Drop Report  
Source: Brodhead

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.61960	PD.9255	A	6 A (CWC)	7.36Y	122.6	0.07	2.36	23.65	17	170	38	98	0.09	0.1	9.004	0.070	4	1	1	28
PL.61962	PL.61960	A	6 A (CWC)	7.35Y	122.5	0.10	2.47	19.25	14	138	31	98	0.11	0.1	9.132	0.127	14	3	1	24
PL.48037	PL.61962	A	6 A (CWC)	7.35Y	122.5	0.06	2.53	16.31	12	117	26	98	0.06	0.0	9.220	0.088	0	0	0	21
PL.48038	PL.48037	A	6 A (CWC)	7.35Y	122.4	0.05	2.58	15.16	11	109	24	98	0.04	0.0	9.294	0.074	0	0	0	20
PL.48039	PL.48038	A	6 A (CWC)	7.34Y	122.4	0.03	2.62	13.94	10	100	22	98	0.03	0.0	9.349	0.055	0	0	0	19
PL.63712	PL.48039	A	6 A (CWC)	7.33Y	122.2	0.14	2.76	13.94	10	100	22	98	0.11	0.1	9.584	0.236	6	1	1	19
PL.63713	PL.63712	A	6 A (CWC)	7.33Y	122.2	0.03	2.79	13.05	9	93	21	98	0.02	0.0	9.632	0.048	10	2	2	18
PL.61945	PL.63713	A	6 A (CWC)	7.33Y	122.1	0.10	2.89	11.60	8	83	19	97	0.06	0.1	9.830	0.198	0	0	1	16
PL.61946	PL.61945	A	6 A (CWC)	7.32Y	122.0	0.07	2.96	11.55	8	83	18	98	0.05	0.1	9.971	0.141	0	0	0	15
PL.48040	PL.61946	A	6 A (CWC)	7.32Y	122.0	0.05	3.01	11.19	8	80	18	98	0.03	0.0	10.066	0.094	0	0	0	13
PL.47741	PL.48040	A	#4 ACSR	7.32Y	122.0	0.00	3.01	1.36	1	10	2	98	0.00	0.0	10.114	0.049	10	2	2	2
PL.48041	PL.48040	A	6 A (CWC)	7.32Y	121.9	0.05	3.06	9.83	7	70	16	97	0.02	0.0	10.169	0.104	0	0	0	11
PL.46909	PL.48041	A	6 A (CWC)	7.30Y	121.7	0.19	3.25	8.85	6	63	14	98	0.09	0.1	10.656	0.487	0	0	0	10
PL.46910	PL.46909	A	6 A (CWC)	7.30Y	121.6	0.12	3.37	8.85	6	63	14	98	0.06	0.1	10.946	0.291	0	0	0	10
PL.47315	PL.46910	A	#4 ACSR	7.30Y	121.6	0.02	3.38	6.23	5	44	10	98	0.01	0.0	11.011	0.065	1	0	1	6
PL.47145	PL.47315	A	#4 ACSR	7.30Y	121.6	0.02	3.40	6.05	5	43	10	97	0.01	0.0	11.098	0.087	12	3	2	5
PL.47146	PL.47145	A	#4 ACSR	7.29Y	121.6	0.03	3.43	4.33	3	31	7	98	0.01	0.0	11.258	0.159	0	0	0	3
PL.47147	PL.47146	A	#4 ACSR	7.29Y	121.6	0.00	3.44	1.89	1	13	3	97	0.00	0.0	11.315	0.057	10	2	1	2
PL.47453	PL.47147	A	#4 ACSR	7.29Y	121.6	0.00	3.44	0.46	0	3	1	95	0.00	0.0	11.392	0.077	3	1	1	1
PL.47148	PL.47147	A	#4 ACSR	7.29Y	121.6	0.00	3.44	0.00	0	0	0	100	0.00	0.0	11.430	0.116	0	0	0	0
PL.47149	PL.47148	A	#4 ACSR	7.29Y	121.6	0.00	3.44	0.00	0	0	0	100	0.00	0.0	11.478	0.048	0	0	0	0
PL.47324	PL.47148	A	#4 ACSR	7.29Y	121.6	0.00	3.44	0.00	0	0	0	100	0.00	0.0	11.456	0.026	0	0	0	0
PL.46925	PL.47146	A	#4 ACSR	7.29Y	121.6	0.00	3.43	0.00	0	0	0	100	0.00	0.0	11.340	0.082	0	0	0	0
PL.46737	PL.47146	A	#4 ACSR	7.29Y	121.6	0.00	3.44	2.43	2	17	4	97	0.00	0.0	11.310	0.052	17	4	1	1
PL.47545	PL.46910	A	#4 ACSR	7.30Y	121.6	0.00	3.37	0.16	0	1	0	100	0.00	0.0	11.062	0.115	1	0	1	1
PL.47312	PL.46910	A	6 A (CWC)	7.30Y	121.6	0.01	3.37	2.46	2	18	4	98	0.00	0.0	11.033	0.086	7	1	1	3
PL.47313	PL.47312	A	6 A (CWC)	7.30Y	121.6	0.00	3.38	1.53	1	11	2	98	0.00	0.0	11.079	0.047	0	0	0	2
PL.47754	PL.47313	A	6 A (CWC)	7.30Y	121.6	0.00	3.38	0.30	0	2	0	100	0.00	0.0	11.128	0.048	2	0	1	1
PL.47314	PL.47313	A	6 A (CWC)	7.30Y	121.6	0.00	3.38	1.23	1	9	2	98	0.00	0.0	11.171	0.091	9	2	1	1
PL.47544	PL.46909	A	#4 ACSR	7.30Y	121.7	0.00	3.25	0.00	0	0	0	100	0.00	0.0	10.711	0.056	0	0	0	0
PL.63421	PL.48041	A	#1/0 ACSR	7.32Y	121.9	0.00	3.06	0.98	0	7	2	96	0.00	0.0	10.185	0.016	7	2	1	1

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.46907	PL.48041	A	6 A (CWC)	7.32Y	121.9	0.00	3.06	0.00	0	0	0	100	0.00	0.0	10.200	0.031	0	0	0	0
PL.46908	PL.46907	A	6 A (CWC)	7.32Y	121.9	0.00	3.06	0.00	0	0	0	100	0.00	0.0	10.289	0.089	0	0	0	0
PL.47286	PL.61946	A	#4 ACSR	7.32Y	122.0	0.00	2.96	0.36	0	3	1	95	0.00	0.0	10.026	0.055	3	1	2	2
PL.46887	PL.48038	A	#4 ACSR	7.34Y	122.4	0.00	2.58	1.22	1	9	2	98	0.00	0.0	9.317	0.023	9	2	1	1
PL.45991	PL.48037	A	#4 ACSR	7.35Y	122.5	0.00	2.53	1.15	1	8	2	97	0.00	0.0	9.266	0.046	8	2	1	1
PL.47533	PL.61962	A	#4 ACSR	7.35Y	122.5	0.00	2.47	1.01	1	7	2	96	0.00	0.0	9.218	0.086	7	2	2	2
PL.61961	PL.61960	A	#4 ACSR	7.36Y	122.6	0.01	2.37	3.79	3	27	6	98	0.00	0.0	9.060	0.055	0	0	0	3
PL.49321	PL.61961	A	#4 ACSR	7.36Y	122.6	0.00	2.38	2.20	2	16	4	97	0.00	0.0	9.124	0.064	16	4	2	2
PL.46195	PL.61961	A	#4 ACSR	7.36Y	122.6	0.00	2.37	1.59	1	11	3	96	0.00	0.0	9.078	0.018	11	3	1	1
PL.49193	PL.49191	C	#2 ACSR	7.37Y	122.8	0.00	2.22	1.57	1	11	3	96	0.00	0.0	8.841	0.001	0	0	0	1
PD.7487	PL.49193	C	25QA	7.37Y	122.8	0.00	2.22	1.57	6	11	3	96	0.00	0.0	8.841	0.001	0	0	0	1
PL.49194	PD.7487	C	#2 ACSR	7.37Y	122.8	0.00	2.22	1.57	1	11	3	96	0.00	0.0	8.897	0.056	11	3	1	1
PL.47276	PL.49362	C	#4/0 ACSR	7.39Y	123.1	0.00	1.91	1.93	1	14	3	98	0.00	0.0	8.179	0.028	14	3	2	2
PL.49365	PL.49362	C	6 A (CWC)	7.39Y	123.1	0.00	1.91	3.44	2	25	6	97	0.00	0.0	8.157	0.006	0	0	0	7
PD.7401	PL.49365	C	40QA	7.39Y	123.1	0.00	1.91	3.44	9	25	6	97	0.00	0.0	8.157	0.006	0	0	0	7
PL.49368	PD.7401	C	6 A (CWC)	7.38Y	123.1	0.02	1.93	3.44	2	25	6	97	0.00	0.0	8.297	0.139	0	0	0	7
PL.49370	PL.49368	C	#4/0 ACSR	7.38Y	123.1	0.00	1.93	1.60	0	12	3	97	0.00	0.0	8.342	0.045	0	0	1	2
PL.49371	PL.49370	C	#4/0 ACSR	7.38Y	123.1	0.00	1.93	1.60	0	12	3	97	0.00	0.0	8.401	0.060	12	3	1	1
PL.63424	PL.49368	C	6 A (CWC)	7.38Y	123.1	0.01	1.95	1.84	1	13	3	97	0.00	0.0	8.450	0.153	0	0	0	5
PL.63425	PL.63424	C	6 A (CWC)	7.38Y	123.1	0.00	1.95	1.84	1	13	3	97	0.00	0.0	8.450	0.000	0	0	2	5
PL.63426	PL.63425	C	#1/0 ACSR	7.38Y	123.1	0.00	1.95	1.84	1	13	3	97	0.00	0.0	8.453	0.004	0	0	0	3
PD.9421	PL.63426	C	25T	7.38Y	123.1	0.00	1.95	1.84	0	13	3	97	0.00	0.0	8.453	0.004	0	0	0	3
PL.63427	PD.9421	C	#1/0 ACSR	7.38Y	123.1	0.00	1.95	1.84	1	13	3	97	0.00	0.0	8.469	0.016	7	2	1	3
PL.63428	PL.63427	C	#1/0 ACSR	7.38Y	123.1	0.00	1.95	0.85	0	6	1	99	0.00	0.0	8.503	0.034	3	1	1	2
PL.63429	PL.63428	C	#1/0 ACSR	7.38Y	123.1	0.00	1.95	0.48	0	3	1	95	0.00	0.0	8.541	0.038	0	0	0	1
PL.63430	PL.63429	C	#1/0 ACSR	7.38Y	123.1	0.00	1.95	0.48	0	3	1	95	0.00	0.0	8.603	0.062	3	1	1	1
PL.49363	PL.49360	C	#2 ACSR	7.39Y	123.1	0.00	1.87	2.29	1	17	4	97	0.00	0.0	8.078	0.006	0	0	0	4
PD.7551	PL.49363	C	40QA	7.39Y	123.1	0.00	1.87	2.29	6	17	4	97	0.00	0.0	8.078	0.006	0	0	0	4
PL.49364	PD.7551	C	#2 ACSR	7.39Y	123.1	0.00	1.87	2.29	1	17	4	97	0.00	0.0	8.110	0.031	17	4	4	4
PL.48042	PL.49358	ABC	#1/0 ACSR	7.39Y	123.2	0.03	1.84	10.87	5	235	53	98	0.06	0.0	8.138	0.181	5	1	1	45
PL.48043	PL.48042	A	6 A (CWC)	7.39Y	123.2	0.00	1.84	0.00	0	0	0	100	0.00	0.0	8.145	0.006	0	0	0	0

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Balanced Voltage Drop Report  
Source: Brodhead

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.7400	PL.48043	A	25QA	7.39Y	123.2	0.00	1.84	0.00	0	0	0	100	0.00	0.0	8.145	0.006	0	0	0	0
PL.48044	PD.7400	A	6 A (CWC)	7.39Y	123.2	0.00	1.84	0.00	0	0	0	100	0.00	0.0	8.323	0.178	0	0	0	0
PL.48045	PL.48042	ABC	#1/0 ACSR	7.39Y	123.1	0.02	1.86	10.64	5	230	52	98	0.03	0.0	8.253	0.115	0	0	0	44
PL.48046	PL.48045	ABC	#1/0 ACSR	7.39Y	123.1	0.02	1.88	10.64	5	230	52	98	0.03	0.0	8.363	0.110	4	1	1	44
PL.48601	PL.48046	ABC	#1/0 ACSR	7.39Y	123.1	0.02	1.90	10.45	5	226	51	98	0.03	0.0	8.463	0.100	0	0	0	43
PL.49325	PL.48601	B	6 A (CWC)	7.39Y	123.1	0.00	1.90	7.08	5	51	11	98	0.00	0.0	8.469	0.006	0	0	0	12
PD.7510	PL.49325	B	15T	7.39Y	123.1	0.00	1.90	7.08	0	51	11	98	0.00	0.0	8.469	0.006	0	0	0	12
PL.47171	PD.7510	B	6 A (CWC)	7.38Y	123.1	0.02	1.93	7.08	5	51	11	98	0.01	0.0	8.547	0.078	0	0	1	12
PL.47172	PL.47171	B	6 A (CWC)	7.38Y	123.1	0.02	1.95	5.88	4	42	9	98	0.01	0.0	8.637	0.090	0	0	0	10
PL.49044	PL.47172	B	6 A (CWC)	7.38Y	123.0	0.01	1.96	5.88	4	42	9	98	0.00	0.0	8.670	0.033	0	0	0	10
PL.49401	PL.49044	B	#1/0 ACSR	7.38Y	123.0	0.00	1.96	1.45	1	10	2	98	0.00	0.0	8.703	0.033	10	2	3	3
PL.48451	PL.49401	B	#1/0 ACSR	7.38Y	123.0	0.00	1.96	0.00	0	0	0	100	0.00	0.0	8.759	0.056	0	0	0	0
PL.48452	PL.48451	B	#1/0 ACSR	7.38Y	123.0	0.00	1.96	0.00	0	0	0	100	0.00	0.0	8.832	0.074	0	0	0	0
PL.48453	PL.48452	B	#1/0 ACSR	7.38Y	123.0	0.00	1.96	0.00	0	0	0	100	0.00	0.0	8.889	0.057	0	0	0	0
PL.49045	PL.49044	B	6 A (CWC)	7.38Y	123.0	0.01	1.97	4.43	3	32	7	98	0.00	0.0	8.735	0.065	3	1	1	7
PL.48454	PL.49045	B	6 A (CWC)	7.38Y	123.0	0.03	2.00	4.05	3	29	6	98	0.01	0.0	8.918	0.184	12	3	1	6
PL.47673	PL.48454	B	6 A (CWC)	7.38Y	123.0	0.00	2.00	1.08	1	8	2	97	0.00	0.0	8.951	0.032	8	2	1	1
PL.48455	PL.48454	B	6 A (CWC)	7.38Y	123.0	0.00	2.00	1.30	1	9	2	98	0.00	0.0	8.970	0.051	6	1	1	4
PL.48456	PL.48455	B	6 A (CWC)	7.38Y	123.0	0.00	2.00	0.45	0	3	1	95	0.00	0.0	9.021	0.051	0	0	1	3
PL.48457	PL.48456	B	6 A (CWC)	7.38Y	123.0	0.00	2.00	0.44	0	3	1	95	0.00	0.0	9.141	0.120	3	1	1	2
PL.48459	PL.48457	B	6 A (CWC)	7.38Y	123.0	0.00	2.00	0.00	0	0	0	100	0.00	0.0	9.243	0.102	0	0	0	1
PL.48458	PL.48459	B	6 A (CWC)	7.38Y	123.0	0.00	2.00	0.00	0	0	0	100	0.00	0.0	9.303	0.060	0	0	1	1
PL.47394	PL.47171	B	6 A (CWC)	7.38Y	123.1	0.00	1.93	1.16	1	8	2	97	0.00	0.0	8.585	0.038	8	2	1	1
PL.49323	PL.48601	A	6 A (CWC)	7.39Y	123.1	0.01	1.91	24.29	17	175	39	98	0.01	0.0	8.469	0.006	0	0	0	31
PD.7588	PL.49323	A	75QA	7.39Y	123.1	0.00	1.91	24.29	32	175	39	98	0.00	0.0	8.469	0.006	0	0	0	31
PL.49324	PD.7588	A	6 A (CWC)	7.38Y	122.9	0.16	2.07	24.29	17	175	39	98	0.22	0.1	8.620	0.151	0	0	0	31
PL.49322	PL.49324	A	6 A (CWC)	7.37Y	122.9	0.05	2.12	24.29	17	175	39	98	0.07	0.0	8.668	0.048	0	0	1	31
PL.46745	PL.49322	A	6 A (CWC)	7.37Y	122.9	0.00	2.12	0.97	1	7	2	96	0.00	0.0	8.691	0.023	7	2	1	1
PL.49326	PL.49322	A	6 A (CWC)	7.34Y	122.3	0.55	2.67	23.30	17	168	38	98	0.69	0.4	9.197	0.529	3	1	1	29
PL.48027	PL.49326	A	6 A (CWC)	7.34Y	122.3	0.00	2.67	0.34	0	2	1	89	0.00	0.0	9.291	0.094	2	0	1	3
PL.48028	PL.48027	A	6 A (CWC)	7.34Y	122.3	0.00	2.67	0.03	0	0	0	100	0.00	0.0	9.401	0.109	0	0	2	2

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



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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.49327	PL.49326	A	6 A (CWC)	7.34Y	122.3	0.06	2.74	22.51	16	161	36	98	0.08	0.0	9.260	0.063	0	0	0	25
PL.49328	PL.49327	A	6 A (CWC)	7.33Y	122.2	0.05	2.78	20.73	15	148	33	98	0.05	0.0	9.310	0.050	0	0	0	23
PL.49329	PL.49328	A	#4 ACSR	7.33Y	122.2	0.00	2.78	0.54	0	4	1	97	0.00	0.0	9.376	0.066	4	1	1	1
PL.49330	PL.49329	A	#4 ACSR	7.33Y	122.2	0.00	2.78	0.00	0	0	0	100	0.00	0.0	9.472	0.096	0	0	0	0
PL.49031	PL.49328	A	6 A (CWC)	7.33Y	122.2	0.05	2.84	19.10	14	137	30	98	0.05	0.0	9.376	0.066	14	3	1	19
PL.49032	PL.49031	A	6 A (CWC)	7.33Y	122.1	0.05	2.88	17.13	12	123	27	98	0.04	0.0	9.440	0.064	14	3	1	18
PL.60148	PL.49032	A	#1/0 ACSR	7.33Y	122.1	0.00	2.88	0.95	0	7	2	96	0.00	0.0	9.444	0.003	0	0	0	1
PD.8921	PL.60148	A	15T	7.33Y	122.1	0.00	2.88	0.95	0	7	2	96	0.00	0.0	9.444	0.003	0	0	0	1
PL.60149	PD.8921	A	#1/0 ACSR	7.33Y	122.1	0.00	2.88	0.95	0	7	2	96	0.00	0.0	9.484	0.041	7	2	1	1
PL.49033	PL.49032	A	6 A (CWC)	7.33Y	122.1	0.03	2.91	14.27	10	102	23	98	0.02	0.0	9.485	0.044	13	3	2	16
PL.49034	PL.49033	A	6 A (CWC)	7.32Y	122.0	0.07	2.98	12.45	9	89	20	98	0.05	0.1	9.610	0.125	0	0	0	14
PL.47540	PL.49034	A	6 A (CWC)	7.32Y	122.0	0.00	2.98	0.19	0	1	0	100	0.00	0.0	9.664	0.054	1	0	1	1
PL.49035	PL.49034	A	6 A (CWC)	7.32Y	121.9	0.08	3.06	12.26	9	88	19	98	0.05	0.1	9.764	0.155	5	1	1	13
PL.61880	PL.49035	A	#2 ACSR	7.32Y	121.9	0.01	3.07	3.95	2	28	6	98	0.00	0.0	9.838	0.074	4	1	2	5
PL.61882	PL.61880	A	#4 ACSR	7.32Y	121.9	0.00	3.07	1.92	1	14	3	98	0.00	0.0	9.903	0.065	14	3	2	2
PL.61881	PL.61880	A	#2 ACSR	7.32Y	121.9	0.00	3.07	1.53	1	11	2	98	0.00	0.0	9.923	0.085	11	2	1	1
PL.47904	PL.49035	A	#2 ACSR	7.32Y	121.9	0.00	3.06	1.72	1	12	3	97	0.00	0.0	9.779	0.014	12	3	1	1
PL.49036	PL.49035	A	6 A (CWC)	7.31Y	121.9	0.03	3.10	5.87	4	42	9	98	0.01	0.0	9.894	0.130	7	1	1	6
PL.48166	PL.49036	A	#4 ACSR	7.31Y	121.9	0.00	3.10	0.00	0	0	0	100	0.00	0.0	9.966	0.072	0	0	0	0
PL.49039	PL.49036	A	6 A (CWC)	7.31Y	121.9	0.01	3.11	4.71	3	34	7	98	0.00	0.0	9.945	0.051	0	0	0	4
PL.47645	PL.49039	A	6 A (CWC)	7.31Y	121.9	0.00	3.11	0.31	0	2	0	100	0.00	0.0	9.976	0.031	2	0	1	1
PL.49040	PL.49039	A	6 A (CWC)	7.31Y	121.9	0.01	3.11	4.40	3	31	7	98	0.00	0.0	9.987	0.042	0	0	0	3
PL.49041	PL.49040	A	6 A (CWC)	7.31Y	121.9	0.01	3.12	4.40	3	31	7	98	0.00	0.0	10.033	0.046	0	0	0	3
PL.49042	PL.49041	A	6 A (CWC)	7.31Y	121.9	0.00	3.12	4.40	3	31	7	98	0.00	0.0	10.034	0.000	9	2	1	3
PL.49043	PL.49042	A	6 A (CWC)	7.31Y	121.9	0.00	3.13	3.18	2	23	5	98	0.00	0.0	10.096	0.063	23	5	2	2
PL.49037	PL.49036	A	#2 ACSR	7.31Y	121.9	0.00	3.10	0.23	0	2	0	100	0.00	0.0	9.939	0.045	0	0	0	1
PL.49038	PL.49037	A	#2 ACSR	7.31Y	121.9	0.00	3.10	0.23	0	2	0	100	0.00	0.0	9.983	0.044	2	0	1	1
PL.48029	PL.49328	A	6 A (CWC)	7.33Y	122.2	0.00	2.78	1.10	1	8	2	97	0.00	0.0	9.355	0.045	5	1	1	3
PL.47177	PL.48029	A	6 A (CWC)	7.33Y	122.2	0.00	2.78	0.07	0	0	0	100	0.00	0.0	9.396	0.041	0	0	1	1
PL.49030	PL.48029	A	6 A (CWC)	7.33Y	122.2	0.00	2.78	0.36	0	3	1	95	0.00	0.0	9.413	0.058	3	1	1	1
PL.64844	PL.49327	A	6 A (CWC)	7.34Y	122.3	0.00	2.74	1.78	1	13	3	97	0.00	0.0	9.312	0.052	13	3	2	2

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
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PL.49359	PL.49357	C	#2 ACSR	7.40Y	123.3	0.00	1.72	2.39	1	17	4	97	0.00	0.0	7.664	0.004	0	0	0	2
PD.7415	PL.49359	C	25QA	7.40Y	123.3	0.00	1.72	2.39	10	17	4	97	0.00	0.0	7.664	0.004	0	0	0	2
PL.57832	PD.7415	C	#2 ACSR	7.40Y	123.3	0.00	1.72	2.39	1	17	4	97	0.00	0.0	7.710	0.046	17	4	2	2
PL.49353	PL.49352	C	#2 ACSR	7.40Y	123.3	0.00	1.65	2.18	1	16	3	98	0.00	0.0	7.445	0.006	0	0	0	1
PD.7493	PL.49353	C	25QA	7.40Y	123.3	0.00	1.65	2.18	9	16	3	98	0.00	0.0	7.445	0.006	0	0	0	1
PL.49354	PD.7493	C	#2 ACSR	7.40Y	123.3	0.00	1.65	2.18	1	16	3	98	0.00	0.0	7.479	0.034	0	0	0	1
PL.49351	PL.49354	C	#2 ACSR	7.40Y	123.3	0.00	1.66	2.18	1	16	3	98	0.00	0.0	7.592	0.113	16	3	1	1
PL.47291	PL.47290	C	#2 ACSR	7.41Y	123.4	0.00	1.58	4.47	3	32	7	98	0.00	0.0	7.202	0.006	0	0	0	4
PD.7414	PL.47291	C	40QA	7.41Y	123.4	0.00	1.58	4.47	11	32	7	98	0.00	0.0	7.202	0.006	0	0	0	4
PL.47709	PD.7414	C	#2 ACSR	7.41Y	123.4	0.00	1.58	4.47	3	32	7	98	0.00	0.0	7.231	0.028	14	3	2	4
PL.47710	PL.47709	C	#2 ACSR	7.41Y	123.4	0.00	1.58	2.56	1	18	4	98	0.00	0.0	7.305	0.074	18	4	2	2
PL.49348	PL.60215	C	#2 ACSR	7.41Y	123.5	0.00	1.51	0.19	0	1	0	100	0.00	0.0	6.987	0.006	0	0	0	1
PD.7594	PL.49348	C	25QA	7.41Y	123.5	0.00	1.51	0.19	1	1	0	100	0.00	0.0	6.987	0.006	0	0	0	1
PL.49349	PD.7594	C	#2 ACSR	7.41Y	123.5	0.00	1.51	0.19	0	1	0	100	0.00	0.0	7.005	0.018	1	0	1	1
PL.60218	PL.60216	B	#1/0 ACSR	7.41Y	123.6	0.00	1.43	15.68	7	113	25	98	0.00	0.0	6.743	0.002	0	0	0	19
PD.8942	PL.60218	B	25T	7.41Y	123.6	0.00	1.43	15.68	0	113	25	98	0.00	0.0	6.743	0.002	0	0	0	19
PL.60219	PD.8942	B	#1/0 ACSR	7.41Y	123.6	0.01	1.44	15.68	7	113	25	98	0.00	0.0	6.760	0.016	0	0	0	19
PL.60085	PL.60219	B	#1/0 ACSR	7.41Y	123.5	0.05	1.49	15.68	7	113	25	98	0.04	0.0	6.909	0.149	8	2	1	19
PL.47520	PL.60085	B	6 A (CWC)	7.41Y	123.5	0.02	1.50	14.59	10	106	23	98	0.01	0.0	6.935	0.026	0	0	0	18
PL.47295	PL.47520	B	6 A (CWC)	7.41Y	123.5	0.04	1.55	13.05	9	94	21	98	0.03	0.0	7.013	0.078	9	2	2	16
PL.46802	PL.47295	B	6 A (CWC)	7.41Y	123.5	0.00	1.55	0.00	0	0	0	100	0.00	0.0	7.071	0.058	0	0	0	0
PL.64590	PL.47295	B	6 A (CWC)	7.41Y	123.5	0.00	1.55	11.81	8	85	19	98	0.00	0.0	7.013	0.000	0	0	0	14
PL.64589	PL.64590	B	6 A (CWC)	7.40Y	123.4	0.06	1.60	11.81	8	85	19	98	0.04	0.0	7.128	0.115	8	2	2	14
PL.48816	PL.64589	B	6 A (CWC)	7.40Y	123.3	0.13	1.73	10.08	7	73	16	98	0.07	0.1	7.410	0.282	0	0	0	11
PL.60233	PL.48816	B	#4 ACSR	7.40Y	123.3	0.00	1.73	1.66	1	12	3	97	0.00	0.0	7.414	0.004	0	0	0	1
PD.8948	PL.60233	B	15	7.40Y	123.3	0.00	1.73	1.66	11	12	3	97	0.00	0.0	7.414	0.004	0	0	0	1
PL.60234	PD.8948	B	#4 ACSR	7.40Y	123.3	0.00	1.74	1.66	1	12	3	97	0.00	0.0	7.497	0.083	12	3	1	1
PL.59552	PL.48816	B	6 A (CWC)	7.39Y	123.2	0.03	1.77	8.42	6	61	14	97	0.01	0.0	7.507	0.097	11	3	2	10
PL.59551	PL.59552	B	6 A (CWC)	7.39Y	123.2	0.02	1.79	5.51	4	40	9	98	0.01	0.0	7.594	0.087	0	0	0	5
PL.60229	PL.59551	B	#4 ACSR	7.39Y	123.2	0.00	1.79	1.17	1	8	2	97	0.00	0.0	7.597	0.003	0	0	0	1
PD.8946	PL.60229	B	15T	7.39Y	123.2	0.00	1.79	1.17	0	8	2	97	0.00	0.0	7.597	0.003	0	0	0	1

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Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.60230	PD.8946	B	#4 ACSR	7.39Y	123.2	0.00	1.79	1.17	1	8	2	97	0.00	0.0	7.664	0.066	8	2	1	1
PL.48815	PL.59551	B	6 A (CWC)	7.39Y	123.2	0.02	1.81	4.34	3	31	7	98	0.00	0.0	7.685	0.091	0	0	0	4
PL.60220	PL.48815	B	6 A (CWC)	7.39Y	123.2	0.00	1.81	1.45	1	10	2	98	0.00	0.0	7.688	0.003	0	0	0	2
PD.8943	PL.60220	B	15T	7.39Y	123.2	0.00	1.81	1.45	0	10	2	98	0.00	0.0	7.688	0.003	0	0	0	2
PL.60221	PD.8943	B	6 A (CWC)	7.39Y	123.2	0.00	1.81	1.45	1	10	2	98	0.00	0.0	7.739	0.050	10	2	2	2
PL.48814	PL.48815	B	6 A (CWC)	7.39Y	123.2	0.00	1.81	2.89	2	21	5	97	0.00	0.0	7.697	0.012	9	2	1	2
PL.60254	PL.48814	B	6 A (CWC)	7.39Y	123.2	0.00	1.81	1.62	1	12	3	97	0.00	0.0	7.792	0.094	12	3	1	1
PL.60257	PL.60254	B	6 A (CWC)	7.39Y	123.2	0.00	1.81	0.00	0	0	0	100	0.00	0.0	7.874	0.082	0	0	0	0
PD.8953-B	PL.60257	B	Open	7.39Y	123.2	0.00	1.81	0.00	0	0	0	100	0.00	0.0	7.874	0.082	0	0	0	0
PL.60231	PL.59552	B	6 A (CWC)	7.39Y	123.2	0.00	1.77	1.32	1	10	2	98	0.00	0.0	7.511	0.004	0	0	0	3
PD.8947	PL.60231	B	15T	7.39Y	123.2	0.00	1.77	1.32	0	10	2	98	0.00	0.0	7.511	0.004	0	0	0	3
PL.60232	PD.8947	B	6 A (CWC)	7.39Y	123.2	0.01	1.77	1.32	1	10	2	98	0.00	0.0	7.644	0.133	0	0	0	3
PL.59554	PL.60232	B	6 A (CWC)	7.39Y	123.2	0.00	1.78	1.32	1	10	2	98	0.00	0.0	7.679	0.035	0	0	0	2
PL.59553	PL.59554	B	6 A (CWC)	7.39Y	123.2	0.00	1.78	1.32	1	10	2	98	0.00	0.0	7.733	0.055	0	0	1	2
PL.47960	PL.59553	B	6 A (CWC)	7.39Y	123.2	0.00	1.78	1.29	1	9	2	98	0.00	0.0	7.828	0.095	9	2	1	1
PL.59555	PL.60232	B	#1/0 ACSR	7.39Y	123.2	0.00	1.77	0.00	0	0	0	100	0.00	0.0	7.646	0.003	0	0	0	1
PD.8796	PL.59555	B	15T	7.39Y	123.2	0.00	1.77	0.00	0	0	0	100	0.00	0.0	7.646	0.003	0	0	0	1
PL.59556	PD.8796	B	#1/0 ACSR	7.39Y	123.2	0.00	1.77	0.00	0	0	0	100	0.00	0.0	7.767	0.121	0	0	1	1
PL.60225	PL.64589	B	6 A (CWC)	7.40Y	123.4	0.00	1.60	0.60	0	4	1	97	0.00	0.0	7.128	0.000	0	0	0	1
PD.8944	PL.60225	B	15T	7.40Y	123.4	0.00	1.60	0.60	0	4	1	97	0.00	0.0	7.128	0.000	0	0	0	1
PL.60226	PD.8944	B	6 A (CWC)	7.40Y	123.4	0.00	1.60	0.60	0	4	1	97	0.00	0.0	7.128	0.000	0	0	0	1
PL.60222	PL.60226	B	6 A (CWC)	7.40Y	123.4	0.00	1.61	0.60	0	4	1	97	0.00	0.0	7.210	0.082	4	1	1	1
PL.60223	PL.60226	B	6 A (CWC)	7.40Y	123.4	0.00	1.60	0.00	0	0	0	100	0.00	0.0	7.245	0.117	0	0	0	0
PL.60227	PL.60223	B	6 A (CWC)	7.40Y	123.4	0.00	1.60	0.00	0	0	0	100	0.00	0.0	7.248	0.003	0	0	0	0
PD.8945	PL.60227	B	12T	7.40Y	123.4	0.00	1.60	0.00	0	0	0	100	0.00	0.0	7.248	0.003	0	0	0	0
PL.60228	PD.8945	B	6 A (CWC)	7.40Y	123.4	0.00	1.60	0.00	0	0	0	100	0.00	0.0	7.262	0.014	0	0	0	0
PL.60224	PL.60223	B	6 A (CWC)	7.40Y	123.4	0.00	1.60	0.00	0	0	0	100	0.00	0.0	7.497	0.252	0	0	0	0
PL.47296	PL.47520	B	6 A (CWC)	7.41Y	123.5	0.00	1.51	1.55	1	11	2	98	0.00	0.0	7.023	0.088	11	2	2	2
PL.49097	PL.49096	C	#2 ACSR	7.42Y	123.7	0.00	1.28	0.68	0	5	1	98	0.00	0.0	6.325	0.001	0	0	0	1
PD.7412	PL.49097	C	25QA	7.42Y	123.7	0.00	1.28	0.68	3	5	1	98	0.00	0.0	6.325	0.001	0	0	0	1
PL.49098	PD.7412	C	#2 ACSR	7.42Y	123.7	0.00	1.28	0.68	0	5	1	98	0.00	0.0	6.397	0.072	5	1	1	1

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Balanced Voltage Drop Report  
Source: Brodhead

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.49094	PL.49092	B	#2 ACSR	7.43Y	123.8	0.00	1.24	0.36	0	3	1	95	0.00	0.0	6.231	0.002	0	0	0	1
PD.7586	PL.49094	B	20T	7.43Y	123.8	0.00	1.24	0.36	0	3	1	95	0.00	0.0	6.231	0.002	0	0	0	1
PL.49095	PD.7586	B	#2 ACSR	7.43Y	123.8	0.00	1.24	0.36	0	3	1	95	0.00	0.0	6.254	0.023	3	1	1	1
PL.48762	PL.48759	C	#2 ACSR	7.43Y	123.8	0.00	1.18	2.56	1	19	4	98	0.00	0.0	6.094	0.001	0	0	0	3
PD.7309	PL.48762	C	25QA	7.43Y	123.8	0.00	1.18	2.56	10	19	4	98	0.00	0.0	6.094	0.001	0	0	0	3
PL.48763	PD.7309	C	#2 ACSR	7.43Y	123.8	0.00	1.18	2.56	1	19	4	98	0.00	0.0	6.133	0.039	19	4	3	3
PL.48760	PL.48759	A	#2 ACSR	7.43Y	123.8	0.00	1.18	0.00	0	0	0	100	0.00	0.0	6.094	0.001	0	0	0	1
PD.7411	PL.48760	A	25QA	7.43Y	123.8	0.00	1.18	0.00	0	0	0	100	0.00	0.0	6.094	0.001	0	0	0	1
PL.48761	PD.7411	A	#2 ACSR	7.43Y	123.8	0.00	1.18	0.00	0	0	0	100	0.00	0.0	6.108	0.014	0	0	1	1
PL.48922	PL.48921	ABC	336 MCM AC	7.43Y	123.8	0.01	1.16	39.91	8	868	197	98	0.06	0.0	6.061	0.042	0	0	0	155
PL.48923	PL.48922	ABC	336 MCM AC	7.43Y	123.8	0.02	1.17	39.52	8	859	195	98	0.08	0.0	6.119	0.057	0	0	0	152
PL.48757	PL.48923	B	#4 ACSR	7.43Y	123.8	0.00	1.17	2.08	2	15	3	98	0.00	0.0	6.120	0.001	0	0	0	3
PD.7328	PL.48757	B	50QA	7.43Y	123.8	0.00	1.17	2.08	4	15	3	98	0.00	0.0	6.120	0.001	0	0	0	3
PL.48758	PD.7328	B	#4 ACSR	7.43Y	123.8	0.00	1.18	2.08	2	15	3	98	0.00	0.0	6.164	0.044	0	0	0	3
PL.48756	PL.48758	B	#4 ACSR	7.43Y	123.8	0.00	1.18	1.71	1	12	3	97	0.00	0.0	6.194	0.030	12	3	2	2
PL.48755	PL.48756	B	#4 ACSR	7.43Y	123.8	0.00	1.18	0.00	0	0	0	100	0.00	0.0	6.216	0.023	0	0	0	0
PL.46804	PL.48758	B	#2 ACSR	7.43Y	123.8	0.00	1.18	0.37	0	3	1	95	0.00	0.0	6.185	0.021	3	1	1	1
PL.47959	PL.48923	ABC	336 MCM AC	7.43Y	123.8	0.05	1.23	38.83	7	844	191	98	0.26	0.0	6.321	0.203	0	0	0	149
PL.48288	PL.47959	C	#2 ACSR	7.43Y	123.8	0.00	1.23	0.58	0	4	1	97	0.00	0.0	6.322	0.001	0	0	0	1
PD.7511	PL.48288	C	25QA	7.43Y	123.8	0.00	1.23	0.58	2	4	1	97	0.00	0.0	6.322	0.001	0	0	0	1
PL.48289	PD.7511	C	#2 ACSR	7.43Y	123.8	0.00	1.23	0.58	0	4	1	97	0.00	0.0	6.401	0.079	4	1	1	1
PL.48287	PL.47959	ABC	336 MCM AC	7.43Y	123.8	0.02	1.24	38.64	7	840	190	98	0.08	0.0	6.383	0.062	15	3	1	148
PL.48290	PL.48287	ABC	#1/0 ACSR	7.42Y	123.7	0.03	1.27	26.30	11	572	129	98	0.11	0.0	6.446	0.063	6	1	1	100
PL.48291	PL.48290	ABC	#1/0 ACSR	7.42Y	123.7	0.02	1.29	26.00	11	565	128	98	0.08	0.0	6.490	0.045	0	0	1	99
PL.49099	PL.48291	ABC	#1/0 ACSR	7.42Y	123.7	0.02	1.32	25.99	11	564	128	98	0.10	0.0	6.544	0.053	0	0	0	98
PL.49264	PL.49099	ABC	#1/0 ACSR	7.42Y	123.7	0.00	1.32	25.99	11	564	127	98	0.00	0.0	6.544	0.001	0	0	0	98
PD.7610	PL.49264	ABC	35L	7.42Y	123.7	0.00	1.32	25.99	74	564	127	98	0.00	0.0	6.544	0.001	0	0	0	98
PL.49265	PD.7610	ABC	#1/0 ACSR	7.42Y	123.6	0.04	1.36	25.99	11	564	127	98	0.16	0.0	6.635	0.091	0	0	0	98
PL.58986	PL.49265	ABC	#1/0 ACSR	7.42Y	123.6	0.03	1.39	20.71	9	450	102	98	0.08	0.0	6.709	0.073	2	0	1	73
PL.58987	PL.58986	ABC	#1/0 ACSR	7.42Y	123.6	0.02	1.41	20.64	9	448	101	98	0.07	0.0	6.773	0.064	3	1	1	72
PL.49137	PL.58987	ABC	#1/0 ACSR	7.41Y	123.6	0.01	1.42	20.50	9	445	101	98	0.04	0.0	6.813	0.040	9	2	1	71

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Balanced Voltage Drop Report  
Source: Brodhead

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

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
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PL.49139	PL.49137	ABC	#1/0 ACSR	7.41Y	123.6	0.02	1.44	20.10	9	436	99	98	0.05	0.0	6.857	0.044	0	0	0	70
PL.49141	PL.49139	A	#2 ACSR	7.41Y	123.6	0.00	1.44	2.22	1	16	4	97	0.00	0.0	6.859	0.002	0	0	0	3
PD.7330	PL.49141	A	40QA	7.41Y	123.6	0.00	1.44	2.22	6	16	4	97	0.00	0.0	6.859	0.002	0	0	0	3
PL.49142	PD.7330	A	#2 ACSR	7.41Y	123.6	0.00	1.44	2.22	1	16	4	97	0.00	0.0	6.895	0.035	16	4	2	3
PL.49138	PL.49142	A	#2 ACSR	7.41Y	123.6	0.00	1.44	0.00	0	0	0	100	0.00	0.0	7.006	0.111	0	0	1	1
PL.49140	PL.49139	ABC	#1/0 ACSR	7.41Y	123.5	0.03	1.47	19.36	8	420	95	98	0.09	0.0	6.942	0.085	0	0	0	67
PL.49143	PL.49140	A	6 A (CWC)	7.41Y	123.5	0.00	1.47	1.75	1	13	3	97	0.00	0.0	6.944	0.002	0	0	0	2
PD.7331	PL.49143	A	40QA	7.41Y	123.5	0.00	1.47	1.75	4	13	3	97	0.00	0.0	6.944	0.002	0	0	0	2
PL.48909	PD.7331	A	6 A (CWC)	7.41Y	123.5	0.01	1.48	1.75	1	13	3	97	0.00	0.0	7.101	0.157	0	0	1	2
PL.48910	PL.48909	A	6 A (CWC)	7.41Y	123.5	0.00	1.48	1.74	1	13	3	97	0.00	0.0	7.150	0.048	0	0	0	1
PL.49144	PL.48910	A	6 A (CWC)	7.41Y	123.5	0.00	1.49	1.74	1	13	3	97	0.00	0.0	7.235	0.085	13	3	1	1
PL.48911	PL.49140	ABC	#1/0 ACSR	7.41Y	123.5	0.06	1.53	18.57	8	403	91	98	0.17	0.0	7.125	0.182	2	0	1	64
PL.48535	PL.48911	ABC	#1/0 ACSR	7.41Y	123.4	0.04	1.57	18.49	8	401	91	98	0.11	0.0	7.245	0.120	2	0	1	63
PL.48536	PL.48535	ABC	#1/0 ACSR	7.41Y	123.4	0.01	1.58	18.40	8	399	90	98	0.03	0.0	7.277	0.032	8	2	1	62
PL.48537	PL.48536	ABC	#1/0 ACSR	7.40Y	123.4	0.06	1.63	18.04	8	391	88	98	0.15	0.0	7.451	0.174	0	0	0	61
PL.48538	PL.48537	ABC	#1/0 ACSR	7.40Y	123.3	0.04	1.67	16.94	7	367	83	98	0.11	0.0	7.595	0.144	0	0	1	58
PL.48428	PL.48538	ABC	#1/0 ACSR	7.40Y	123.3	0.06	1.74	16.92	7	366	83	98	0.16	0.0	7.803	0.208	0	0	0	57
PL.48434	PL.48428	A	#2 ACSR	7.40Y	123.3	0.00	1.74	0.00	0	0	0	100	0.00	0.0	7.808	0.005	0	0	0	0
PD.7512	PL.48434	A	75QA	7.40Y	123.3	0.00	1.74	0.00	0	0	0	100	0.00	0.0	7.808	0.005	0	0	0	0
PL.47995	PL.48428	ABC	#1/0 ACSR	7.39Y	123.2	0.04	1.78	16.45	7	356	80	98	0.10	0.0	7.939	0.136	0	0	0	56
PL.47996	PL.47995	C	#2 ACSR	7.39Y	123.2	0.00	1.78	0.36	0	3	1	95	0.00	0.0	7.945	0.005	0	0	0	1
PD.7333	PL.47996	C	25QA	7.39Y	123.2	0.00	1.78	0.36	1	3	1	95	0.00	0.0	7.945	0.005	0	0	0	1
PL.47997	PD.7333	C	#2 ACSR	7.39Y	123.2	0.00	1.78	0.36	0	3	1	95	0.00	0.0	8.037	0.092	3	1	1	1
PL.47998	PL.47995	ABC	#1/0 ACSR	7.39Y	123.2	0.02	1.80	16.34	7	354	80	98	0.05	0.0	8.009	0.069	0	0	0	55
PL.47999	PL.47998	ABC	#1/0 ACSR	7.39Y	123.2	0.00	1.80	16.34	7	353	79	98	0.00	0.0	8.012	0.003	0	0	0	55
PL.48000	PL.47999	ABC	#1/0 ACSR	7.39Y	123.2	0.02	1.81	15.83	7	342	77	98	0.04	0.0	8.068	0.057	0	0	0	54
PL.47299	PL.48000	C	#2 ACSR	7.39Y	123.2	0.00	1.81	0.00	0	0	0	100	0.00	0.0	8.097	0.029	0	0	0	0
PL.48003	PL.48000	ABC	#1/0 ACSR	7.39Y	123.2	0.02	1.83	15.83	7	342	77	98	0.05	0.0	8.136	0.068	0	0	0	54
PL.48004	PL.48003	B	#1/0 ACSR	7.39Y	123.2	0.00	1.83	1.39	1	10	2	98	0.00	0.0	8.140	0.003	0	0	0	1
PD.7513	PL.48004	B	40QA	7.39Y	123.2	0.00	1.83	1.39	3	10	2	98	0.00	0.0	8.140	0.003	0	0	0	1
PL.48005	PD.7513	B	#1/0 ACSR	7.39Y	123.2	0.00	1.83	1.39	1	10	2	98	0.00	0.0	8.233	0.093	10	2	1	1

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.48006	PL.48003	ABC	#1/0 ACSR	7.39Y	123.2	0.02	1.85	15.36	7	332	75	98	0.04	0.0	8.194	0.058	0	0	0	53
PL.48528	PL.48006	ABC	#1/0 ACSR	7.39Y	123.1	0.04	1.88	15.36	7	332	75	98	0.08	0.0	8.328	0.134	2	0	1	53
PL.48539	PL.48528	ABC	#1/0 ACSR	7.38Y	123.1	0.04	1.92	14.10	6	305	69	98	0.08	0.0	8.484	0.156	0	0	0	48
PL.48397	PL.48539	ABC	#1/0 ACSR	7.38Y	123.1	0.03	1.95	13.94	6	301	68	98	0.06	0.0	8.600	0.117	0	0	0	47
PL.48398	PL.48397	ABC	#1/0 ACSR	7.38Y	123.0	0.02	1.97	13.94	6	301	68	98	0.05	0.0	8.688	0.087	0	0	1	47
PL.47517	PL.48398	ABC	#1/0 ACSR	7.38Y	123.0	0.02	1.99	9.24	4	200	45	98	0.02	0.0	8.790	0.102	6	1	1	26
PL.48402	PL.47517	C	6 A (CWC)	7.38Y	123.0	0.01	1.99	26.85	19	193	44	97	0.01	0.0	8.796	0.005	0	0	0	25
PD.7339	PL.48402	C	25T	7.38Y	123.0	0.00	1.99	26.85	0	193	44	97	0.00	0.0	8.796	0.005	0	0	0	25
PL.47901	PD.7339	C	6 A (CWC)	7.38Y	122.9	0.08	2.07	26.85	19	193	44	97	0.12	0.1	8.862	0.066	0	0	0	25
PL.64065	PL.47901	C	6 A (CWC)	7.37Y	122.8	0.10	2.18	26.85	19	193	43	98	0.15	0.1	8.949	0.087	0	0	0	25
PL.64066	PL.64065	C	6 A (CWC)	7.37Y	122.8	0.00	2.18	26.85	19	193	43	98	0.00	0.0	8.949	0.000	0	0	1	25
PL.64067	PL.64066	C	6 A (CWC)	7.35Y	122.5	0.32	2.50	26.79	19	193	43	98	0.46	0.2	9.211	0.262	0	0	0	24
PL.47961	PL.64067	C	6 A (CWC)	7.33Y	122.2	0.26	2.75	26.79	19	192	43	98	0.36	0.2	9.428	0.218	10	2	2	24
PL.47962	PL.47961	C	6 A (CWC)	7.33Y	122.1	0.16	2.91	23.41	17	168	37	98	0.20	0.1	9.576	0.148	0	0	0	21
PL.47553	PL.47962	C	6 A (CWC)	7.33Y	122.1	0.00	2.91	0.00	0	0	0	100	0.00	0.0	9.644	0.068	0	0	0	0
PL.47963	PL.47962	C	6 A (CWC)	7.32Y	122.0	0.08	2.99	23.41	17	167	37	98	0.10	0.1	9.652	0.075	0	0	0	21
PL.48517	PL.47963	C	6 A (CWC)	7.32Y	121.9	0.08	3.07	18.27	13	131	29	98	0.08	0.1	9.750	0.099	1	0	1	15
PL.48518	PL.48517	C	6 A (CWC)	7.31Y	121.9	0.02	3.08	16.22	12	116	26	98	0.02	0.0	9.774	0.024	0	0	0	13
PL.48519	PL.48518	C	6 A (CWC)	7.31Y	121.9	0.04	3.12	14.79	11	106	23	98	0.03	0.0	9.838	0.064	11	2	1	12
PL.48520	PL.48519	C	6 A (CWC)	7.31Y	121.8	0.05	3.18	13.28	9	95	21	98	0.04	0.0	9.922	0.085	0	0	0	11
PL.48521	PL.48520	C	6 A (CWC)	7.31Y	121.8	0.01	3.19	12.09	9	86	19	98	0.01	0.0	9.950	0.028	6	1	1	10
PL.47388	PL.48521	C	#4 ACSR	7.31Y	121.8	0.00	3.19	0.00	0	0	0	100	0.00	0.0	10.009	0.059	0	0	1	1
PL.48021	PL.48521	C	6 A (CWC)	7.30Y	121.7	0.06	3.25	11.31	8	81	18	98	0.04	0.0	10.077	0.127	11	2	1	8
PL.48022	PL.48021	C	6 A (CWC)	7.30Y	121.7	0.05	3.30	9.75	7	70	15	98	0.02	0.0	10.191	0.114	7	2	1	7
PL.48023	PL.48022	C	6 A (CWC)	7.30Y	121.7	0.01	3.31	8.74	6	62	14	98	0.00	0.0	10.221	0.031	36	8	2	6
PL.49389	PL.48023	C	6 A (CWC)	7.30Y	121.7	0.01	3.31	3.75	3	27	6	98	0.00	0.0	10.266	0.045	15	3	3	4
PL.49390	PL.49389	C	6 A (CWC)	7.30Y	121.7	0.00	3.31	1.61	1	11	3	96	0.00	0.0	10.320	0.053	11	3	1	1
PL.48019	PL.48520	C	#1/0 ACSR	7.31Y	121.8	0.00	3.18	1.19	1	8	2	97	0.00	0.0	9.929	0.007	0	0	0	1
PD.7171	PL.48019	C	40QA	7.31Y	121.8	0.00	3.18	1.19	3	8	2	97	0.00	0.0	9.929	0.007	0	0	0	1
PL.48020	PD.7171	C	#1/0 ACSR	7.31Y	121.8	0.00	3.18	1.19	1	8	2	97	0.00	0.0	9.970	0.041	8	2	1	1
PL.48251	PL.48518	C	6 A (CWC)	7.31Y	121.9	0.00	3.09	1.43	1	10	2	98	0.00	0.0	9.823	0.049	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: Brodhead

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.48252	PL.48251	C	6 A (CWC)	7.31Y	121.9	0.00	3.09	1.43	1	10	2	98	0.00	0.0	9.863	0.040	10	2	1	1
PL.47211	PL.48517	C	#4 ACSR	7.32Y	121.9	0.00	3.07	1.85	1	13	3	97	0.00	0.0	9.815	0.064	13	3	1	1
PL.45997	PL.47963	C	6 A (CWC)	7.32Y	122.0	0.00	2.99	0.00	0	0	0	100	0.00	0.0	9.714	0.062	0	0	0	0
PL.47964	PL.47963	C	6 A (CWC)	7.32Y	122.0	0.01	3.00	5.14	4	37	8	98	0.00	0.0	9.709	0.057	2	1	1	6
PL.47440	PL.47964	C	6 A (CWC)	7.32Y	122.0	0.00	3.00	0.57	0	4	1	97	0.00	0.0	9.742	0.033	4	1	1	1
PL.47965	PL.47964	C	6 A (CWC)	7.32Y	122.0	0.01	3.01	4.25	3	30	7	97	0.00	0.0	9.741	0.033	3	1	2	4
PL.63715	PL.47965	C	#1/0 ACSR	7.32Y	122.0	0.00	3.01	3.80	2	27	6	98	0.00	0.0	9.741	0.000	16	4	1	2
PL.63716	PL.63715	C	#1/0 ACSR	7.32Y	122.0	0.00	3.01	1.56	1	11	2	98	0.00	0.0	9.798	0.057	11	2	1	1
PL.47526	PL.47961	C	6 A (CWC)	7.33Y	122.2	0.00	2.75	2.06	1	15	3	98	0.00	0.0	9.490	0.061	15	3	1	1
PL.48400	PL.48398	A	6 A (CWC)	7.38Y	123.0	0.00	1.97	14.11	10	102	23	98	0.00	0.0	8.694	0.006	0	0	0	20
PD.7338	PL.48400	A	75QA	7.38Y	123.0	0.00	1.97	14.11	19	102	23	98	0.00	0.0	8.694	0.006	0	0	0	20
PL.48401	PD.7338	A	6 A (CWC)	7.38Y	123.0	0.06	2.03	14.11	10	102	23	98	0.04	0.0	8.782	0.089	0	0	1	20
PL.48399	PL.48401	A	6 A (CWC)	7.37Y	122.9	0.11	2.14	14.10	10	102	23	98	0.08	0.1	8.949	0.167	0	0	0	19
PL.48403	PL.48399	A	#2 ACSR	7.37Y	122.9	0.01	2.14	3.36	2	24	5	98	0.00	0.0	9.013	0.064	0	0	0	3
PL.46805	PL.48403	A	6 A (CWC)	7.37Y	122.9	0.00	2.15	0.82	1	6	1	99	0.00	0.0	9.149	0.136	6	1	1	1
PL.48404	PL.48403	A	#2 ACSR	7.37Y	122.9	0.00	2.15	2.55	1	18	4	98	0.00	0.0	9.106	0.093	12	3	1	2
PL.48007	PL.48404	A	#2 ACSR	7.37Y	122.9	0.00	2.15	0.83	0	6	1	99	0.00	0.0	9.180	0.075	6	1	1	1
PL.48008	PL.48399	A	6 A (CWC)	7.37Y	122.8	0.04	2.17	10.74	8	77	17	98	0.02	0.0	9.022	0.073	0	0	0	16
PL.48009	PL.48008	A	6 A (CWC)	7.36Y	122.7	0.08	2.25	9.68	7	70	15	98	0.04	0.1	9.211	0.190	0	0	0	15
PL.48012	PL.48009	A	6 A (CWC)	7.36Y	122.7	0.03	2.28	6.67	5	48	11	97	0.01	0.0	9.296	0.085	0	0	0	11
PL.48013	PL.48012	A	6 A (CWC)	7.36Y	122.7	0.00	2.28	6.67	5	48	11	97	0.00	0.0	9.304	0.008	0	0	0	11
PL.48014	PL.48013	A	6 A (CWC)	7.36Y	122.7	0.01	2.30	6.67	5	48	11	97	0.00	0.0	9.356	0.052	7	2	1	11
PL.48015	PL.48014	A	6 A (CWC)	7.36Y	122.7	0.01	2.31	5.69	4	41	9	98	0.00	0.0	9.407	0.051	8	2	1	10
PL.48016	PL.48015	A	6 A (CWC)	7.36Y	122.7	0.02	2.33	4.57	3	33	7	98	0.01	0.0	9.533	0.126	9	2	1	9
PL.48017	PL.48016	A	6 A (CWC)	7.36Y	122.7	0.00	2.33	0.31	0	2	0	100	0.00	0.0	9.573	0.040	2	0	1	1
PL.48018	PL.48017	A	6 A (CWC)	7.36Y	122.7	0.00	2.33	0.00	0	0	0	100	0.00	0.0	9.885	0.312	0	0	0	0
PL.47899	PL.48016	A	6 A (CWC)	7.36Y	122.7	0.01	2.34	3.03	2	22	5	98	0.00	0.0	9.612	0.080	0	0	0	7
PL.47900	PL.47899	A	6 A (CWC)	7.36Y	122.7	0.00	2.35	1.32	1	9	2	98	0.00	0.0	9.719	0.107	5	1	1	2
PL.49391	PL.47900	A	6 A (CWC)	7.36Y	122.6	0.00	2.35	0.59	0	4	1	97	0.00	0.0	10.021	0.303	4	1	1	1
PL.49150	PL.49391	A	6 A (CWC)	7.36Y	122.6	0.00	2.35	0.00	0	0	0	100	0.00	0.0	10.139	0.117	0	0	0	0
PL.45989	PL.47899	A	6 A (CWC)	7.36Y	122.7	0.00	2.35	1.71	1	12	3	97	0.00	0.0	9.679	0.066	1	0	1	5

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----			
																KW	KVAR	Cons On	Cons Thru	
PL.57701	PL.45989	A	6 A (CWC)	7.36Y	122.7	0.00	2.35	1.63	1	12	3	97	0.00	0.0	9.707	0.028	12	3	4	4
PL.47301	PL.48015	A	6 A (CWC)	7.36Y	122.7	0.00	2.31	0.00	0	0	0	100	0.00	0.0	9.476	0.069	0	0	0	0
PL.46808	PL.48013	A	#1/0 ACSR	7.36Y	122.7	0.00	2.28	0.00	0	0	0	100	0.00	0.0	9.332	0.028	0	0	0	0
PL.48010	PL.48009	A	6 A (CWC)	7.36Y	122.7	0.00	2.26	1.71	1	12	3	97	0.00	0.0	9.250	0.039	4	1	1	3
PL.48011	PL.48010	A	6 A (CWC)	7.36Y	122.7	0.00	2.26	1.20	1	9	2	98	0.00	0.0	9.309	0.058	9	2	2	2
PL.64846	PL.48009	A	#1/0 ACSR	7.36Y	122.7	0.00	2.26	1.30	1	9	2	98	0.00	0.0	9.274	0.063	9	2	1	1
PL.47756	PL.48008	A	6 A (CWC)	7.37Y	122.8	0.00	2.17	1.06	1	8	2	97	0.00	0.0	9.057	0.035	8	2	1	1
PL.49009	PL.48539	A	#2 ACSR	7.38Y	123.1	0.00	1.92	0.48	0	3	1	95	0.00	0.0	8.488	0.004	0	0	0	1
PD.7337	PL.49009	A	25QA	7.38Y	123.1	0.00	1.92	0.48	2	3	1	95	0.00	0.0	8.488	0.004	0	0	0	1
PL.48396	PD.7337	A	#2 ACSR	7.38Y	123.1	0.00	1.92	0.48	0	3	1	95	0.00	0.0	8.516	0.028	3	1	1	1
PL.48531	PL.48528	C	6 A (CWC)	7.39Y	123.1	0.00	1.88	3.56	3	26	6	97	0.00	0.0	8.331	0.003	0	0	0	4
PD.7336	PL.48531	C	60QA	7.39Y	123.1	0.00	1.88	3.56	6	26	6	97	0.00	0.0	8.331	0.003	0	0	0	4
PL.48532	PD.7336	C	6 A (CWC)	7.38Y	123.0	0.07	1.95	3.56	3	26	6	97	0.01	0.0	8.764	0.432	1	0	1	4
PL.46431	PL.48532	C	6 A (CWC)	7.38Y	123.0	0.00	1.96	3.09	2	22	5	98	0.00	0.0	8.826	0.062	22	5	2	2
PL.48533	PL.48532	C	6 A (CWC)	7.38Y	123.0	0.00	1.95	0.29	0	2	0	100	0.00	0.0	8.956	0.192	0	0	0	1
PL.47664	PL.48533	C	6 A (CWC)	7.38Y	123.0	0.00	1.95	0.00	0	0	0	100	0.00	0.0	9.206	0.250	0	0	0	0
PL.48534	PL.48533	C	6 A (CWC)	7.38Y	123.0	0.00	1.95	0.29	0	2	0	100	0.00	0.0	9.054	0.098	2	0	1	1
PL.48529	PL.48006	C	#2 ACSR	7.39Y	123.2	0.00	1.85	0.00	0	0	0	100	0.00	0.0	8.198	0.004	0	0	0	0
PD.7335	PL.48529	C	25QA	7.39Y	123.2	0.00	1.85	0.00	0	0	0	100	0.00	0.0	8.198	0.004	0	0	0	0
PL.48530	PD.7335	C	#2 ACSR	7.39Y	123.2	0.00	1.85	0.00	0	0	0	100	0.00	0.0	8.228	0.030	0	0	0	0
PL.48001	PL.47999	A	#2 ACSR	7.39Y	123.2	0.00	1.80	1.52	1	11	2	98	0.00	0.0	8.017	0.005	0	0	0	1
PD.7334	PL.48001	A	25QA	7.39Y	123.2	0.00	1.80	1.52	6	11	2	98	0.00	0.0	8.017	0.005	0	0	0	1
PL.48002	PD.7334	A	#2 ACSR	7.39Y	123.2	0.00	1.80	1.52	1	11	2	98	0.00	0.0	8.035	0.018	11	2	1	1
PL.48432	PL.48428	C	#2 ACSR	7.40Y	123.3	0.00	1.74	1.38	1	10	2	98	0.00	0.0	7.808	0.005	0	0	0	1
PD.7332	PL.48432	C	25QA	7.40Y	123.3	0.00	1.74	1.38	6	10	2	98	0.00	0.0	7.808	0.005	0	0	0	1
PL.48433	PD.7332	C	#2 ACSR	7.40Y	123.3	0.00	1.74	1.38	1	10	2	98	0.00	0.0	7.929	0.121	10	2	1	1
PL.58960	PL.48537	C	#2 ACSR	7.40Y	123.4	0.00	1.63	1.63	1	12	3	97	0.00	0.0	7.455	0.004	0	0	0	1
PD.8665	PL.58960	C	25QA	7.40Y	123.4	0.00	1.63	1.63	7	12	3	97	0.00	0.0	7.455	0.004	0	0	0	1
PL.58961	PD.8665	C	#2 ACSR	7.40Y	123.4	0.00	1.63	1.63	1	12	3	97	0.00	0.0	7.478	0.024	12	3	1	1
PL.60026	PL.48537	A	#1/0 ACSR	7.40Y	123.4	0.00	1.63	1.67	1	12	3	97	0.00	0.0	7.454	0.003	0	0	0	2
PD.8910	PL.60026	A	15T	7.40Y	123.4	0.00	1.63	1.67	0	12	3	97	0.00	0.0	7.454	0.003	0	0	0	2

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.60027	PD.8910	A	#1/0 ACSR	7.40Y	123.4	0.00	1.63	1.67	1	12	3	97	0.00	0.0	7.489	0.035	12	3	2	2
PL.58422	PL.49140	A	6 A (CWC)	7.41Y	123.5	0.00	1.47	0.62	0	4	1	97	0.00	0.0	6.945	0.002	0	0	0	1
PD.8586	PL.58422	A	20T	7.41Y	123.5	0.00	1.47	0.62	0	4	1	97	0.00	0.0	6.945	0.002	0	0	0	1
PL.58423	PD.8586	A	6 A (CWC)	7.41Y	123.5	0.00	1.47	0.62	0	4	1	97	0.00	0.0	7.101	0.156	0	0	0	1
PL.58421	PL.58423	A	6 A (CWC)	7.41Y	123.5	0.00	1.47	0.00	0	0	0	100	0.00	0.0	7.621	0.520	0	0	0	0
PD.9153-B	PL.58421	A	Open	7.41Y	123.5	0.00	1.47	0.00	0	0	0	100	0.00	0.0	7.621	0.520	0	0	0	0
PL.58420	PL.58423	A	6 A (CWC)	7.41Y	123.5	0.00	1.47	0.62	0	4	1	97	0.00	0.0	7.140	0.039	4	1	1	1
PL.49266	PL.49265	C	#2 ACSR	7.42Y	123.6	0.00	1.36	1.64	1	12	3	97	0.00	0.0	6.636	0.001	0	0	0	1
PD.7329	PL.49266	C	25QA	7.42Y	123.6	0.00	1.36	1.64	7	12	3	97	0.00	0.0	6.636	0.001	0	0	0	1
PL.49267	PD.7329	C	#2 ACSR	7.42Y	123.6	0.00	1.36	1.64	1	12	3	97	0.00	0.0	6.686	0.049	12	3	1	1
PL.49268	PL.49265	A	#2 ACSR	7.42Y	123.6	0.03	1.38	14.18	8	103	23	98	0.02	0.0	6.695	0.059	5	1	1	24
PL.49134	PL.49268	A	#2 ACSR	7.41Y	123.5	0.08	1.47	13.53	8	98	22	98	0.06	0.1	6.895	0.201	0	0	0	23
PL.46627	PL.49134	A	#2 ACSR	7.41Y	123.5	0.00	1.47	0.65	0	5	1	98	0.00	0.0	6.977	0.082	5	1	1	1
PL.49136	PL.49134	A	#2 ACSR	7.41Y	123.5	0.08	1.55	12.87	7	93	21	98	0.05	0.1	7.098	0.203	3	1	1	22
PL.49135	PL.49136	A	#2 ACSR	7.40Y	123.4	0.07	1.61	12.48	7	90	20	98	0.04	0.0	7.270	0.173	0	0	0	21
PL.48425	PL.49135	A	#2 ACSR	7.40Y	123.4	0.01	1.63	5.44	3	39	9	97	0.00	0.0	7.359	0.088	2	0	1	8
PL.48426	PL.48425	A	#2 ACSR	7.40Y	123.4	0.01	1.64	5.18	3	37	8	98	0.00	0.0	7.442	0.083	0	0	0	7
PL.47406	PL.48426	A	6 A (CWC)	7.40Y	123.4	0.00	1.64	1.42	1	10	2	98	0.00	0.0	7.487	0.046	10	2	2	2
PL.48427	PL.48426	A	#2 ACSR	7.40Y	123.3	0.02	1.66	3.76	2	27	6	98	0.00	0.0	7.610	0.168	9	2	1	5
PL.47753	PL.48427	A	6 A (CWC)	7.40Y	123.3	0.00	1.66	0.18	0	1	0	100	0.00	0.0	7.677	0.067	1	0	1	1
PL.48429	PL.48427	A	#2 ACSR	7.40Y	123.3	0.01	1.67	2.40	1	17	4	97	0.00	0.0	7.719	0.109	0	0	0	3
PL.47161	PL.48429	A	#1/0 ACSR	7.40Y	123.3	0.00	1.67	1.84	1	13	3	97	0.00	0.0	7.735	0.016	13	3	1	1
PL.48430	PL.48429	A	#2 ACSR	7.40Y	123.3	0.00	1.67	0.56	0	4	1	97	0.00	0.0	7.772	0.054	2	1	1	2
PL.48431	PL.48430	A	#2 ACSR	7.40Y	123.3	0.00	1.67	0.23	0	2	0	100	0.00	0.0	7.828	0.056	2	0	1	1
PL.48435	PL.48431	A	#2 ACSR	7.40Y	123.3	0.00	1.67	0.00	0	0	0	100	0.00	0.0	7.856	0.027	0	0	0	0
PL.49067	PL.49135	A	6 A (CWC)	7.40Y	123.4	0.02	1.63	6.29	4	45	10	98	0.01	0.0	7.340	0.070	10	2	1	12
PL.49068	PL.49067	A	6 A (CWC)	7.40Y	123.3	0.03	1.66	4.90	4	35	8	97	0.01	0.0	7.468	0.128	4	1	1	11
PL.48463	PL.49068	A	6 A (CWC)	7.40Y	123.3	0.01	1.67	4.23	3	31	7	98	0.00	0.0	7.548	0.080	15	3	3	9
PL.48462	PL.48463	A	6 A (CWC)	7.40Y	123.3	0.01	1.68	2.13	2	15	3	98	0.00	0.0	7.647	0.099	0	0	0	6
PL.48460	PL.48462	A	6 A (CWC)	7.40Y	123.3	0.00	1.68	1.14	1	8	2	97	0.00	0.0	7.668	0.021	5	1	2	5
PL.48461	PL.48460	A	6 A (CWC)	7.40Y	123.3	0.00	1.68	0.42	0	3	1	95	0.00	0.0	7.731	0.063	3	1	3	3

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Balanced Voltage Drop Report  
Source: Brodhead

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.47449	PL.48462	A	6 A (CWC)	7.40Y	123.3	0.00	1.68	0.99	1	7	2	96	0.00	0.0	7.773	0.126	7	2	1	1
PL.47364	PL.49068	A	#1/0 ACSR	7.40Y	123.3	0.00	1.66	0.16	0	1	0	100	0.00	0.0	7.532	0.064	1	0	1	1
PL.47646	PL.49135	A	#2 ACSR	7.40Y	123.4	0.00	1.61	0.75	0	5	1	98	0.00	0.0	7.336	0.066	5	1	1	1
PL.60058	PL.48287	AB	#1/0 ACSR	7.42Y	123.7	0.03	1.28	17.44	8	253	57	98	0.05	0.0	6.472	0.088	0	0	0	47
PD.8855	PL.60058	AB	50L	7.42Y	123.7	0.00	1.28	17.44	35	253	57	98	0.00	0.0	6.472	0.088	0	0	0	47
PL.60604	PD.8855	AB	#1/0 ACSR	7.42Y	123.7	0.00	1.28	17.44	8	253	57	98	0.00	0.0	6.478	0.006	0	0	0	47
PL.60603	PL.60604	A	6 A (CWC)	7.42Y	123.7	0.00	1.28	0.00	0	0	0	100	0.00	0.0	6.547	0.069	0	0	1	1
PL.60602	PL.60604	B	6 A (CWC)	7.42Y	123.7	0.00	1.28	0.00	0	0	0	100	0.00	0.0	6.573	0.095	0	0	0	0
PL.61075	PL.60604	AB	#1/0 ACSR	7.42Y	123.7	0.05	1.33	17.44	8	253	57	98	0.08	0.0	6.617	0.139	0	0	0	46
PL.61076	PL.61075	AB	#1/0 ACSR	7.42Y	123.7	0.02	1.35	16.03	7	232	52	98	0.04	0.0	6.688	0.071	0	0	0	41
PL.60605	PL.61076	AB	#1/0 ACSR	7.42Y	123.6	0.01	1.36	16.03	7	232	52	98	0.02	0.0	6.721	0.033	5	1	1	41
PL.60062	PL.60605	AB	#1/0 ACSR	7.42Y	123.6	0.01	1.37	15.69	7	227	51	98	0.01	0.0	6.748	0.027	6	1	1	40
PL.60063	PL.60062	AB	#1/0 ACSR	7.42Y	123.6	0.02	1.39	15.30	7	222	50	98	0.03	0.0	6.813	0.065	0	0	0	39
PL.60065	PL.60063	A	#1/0 ACSR	7.42Y	123.6	0.00	1.39	1.84	1	13	3	97	0.00	0.0	6.824	0.011	5	1	1	2
PL.60140	PL.60065	A	#1/0 ACSR	7.42Y	123.6	0.00	1.39	1.13	0	8	2	97	0.00	0.0	6.828	0.004	0	0	0	1
PD.8919	PL.60140	A	15T	7.42Y	123.6	0.00	1.39	1.13	0	8	2	97	0.00	0.0	6.828	0.004	0	0	0	1
PL.60141	PD.8919	A	#1/0 ACSR	7.42Y	123.6	0.00	1.39	1.13	0	8	2	97	0.00	0.0	6.954	0.127	8	2	1	1
PL.60064	PL.60063	AB	#1/0 ACSR	7.42Y	123.6	0.02	1.40	14.38	6	208	47	98	0.02	0.0	6.867	0.054	0	0	0	37
PL.60066	PL.60064	AB	#1/0 ACSR	7.42Y	123.6	0.01	1.42	14.38	6	208	47	98	0.02	0.0	6.913	0.046	0	0	0	37
PL.60069	PL.60066	A	#1/0 ACSR	7.42Y	123.6	0.00	1.42	0.00	0	0	0	100	0.00	0.0	6.916	0.003	0	0	0	0
PD.8859	PL.60069	A	15T	7.42Y	123.6	0.00	1.42	0.00	0	0	0	100	0.00	0.0	6.916	0.003	0	0	0	0
PL.60070	PD.8859	A	#1/0 ACSR	7.42Y	123.6	0.00	1.42	0.00	0	0	0	100	0.00	0.0	6.937	0.021	0	0	0	0
PL.60067	PL.60066	A	#1/0 ACSR	7.42Y	123.6	0.00	1.42	0.00	0	0	0	100	0.00	0.0	6.916	0.003	0	0	0	0
PD.8858	PL.60067	A	15T	7.42Y	123.6	0.00	1.42	0.00	0	0	0	100	0.00	0.0	6.916	0.003	0	0	0	0
PL.60068	PD.8858	A	#1/0 ACSR	7.42Y	123.6	0.00	1.42	0.00	0	0	0	100	0.00	0.0	6.942	0.025	0	0	0	0
PL.60198	PL.60066	AB	#1/0 ACSR	7.41Y	123.6	0.01	1.43	14.38	6	208	47	98	0.02	0.0	6.962	0.049	0	0	1	37
PL.60199	PL.60198	AB	#1/0 ACSR	7.41Y	123.6	0.01	1.44	14.38	6	208	47	98	0.02	0.0	7.006	0.044	6	1	1	36
PL.60200	PL.60199	A	#1/0 ACSR	7.41Y	123.6	0.00	1.44	0.00	0	0	0	100	0.00	0.0	7.010	0.003	0	0	0	0
PD.8934	PL.60200	A	15T	7.41Y	123.6	0.00	1.44	0.00	0	0	0	100	0.00	0.0	7.010	0.003	0	0	0	0
PL.60201	PD.8934	A	#1/0 ACSR	7.41Y	123.6	0.00	1.44	0.00	0	0	0	100	0.00	0.0	7.023	0.013	0	0	0	0
PL.60202	PL.60201	A	#1/0 ACSR	7.41Y	123.6	0.00	1.44	0.00	0	0	0	100	0.00	0.0	7.070	0.046	0	0	0	0

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.60203	PL.60199	AB	#1/0 ACSR	7.41Y	123.5	0.02	1.46	13.94	6	202	45	98	0.02	0.0	7.068	0.061	7	1	1	35
PL.60204	PL.60203	B	#1/0 ACSR	7.41Y	123.5	0.00	1.46	26.96	12	195	44	98	0.00	0.0	7.071	0.003	0	0	0	34
PD.8935-A	PL.60204	B	Closed	7.41Y	123.5	0.00	1.46	26.96	0	195	44	98	0.00	0.0	7.071	0.003	0	0	0	34
PD.8935-B	PD.8935-A	B	Closed	7.41Y	123.5	0.00	1.46	26.96	0	195	44	98	0.00	0.0	7.071	0.003	0	0	0	34
PL.60206	PD.8935-B	B	#1/0 ACSR	7.41Y	123.5	0.05	1.51	26.96	12	195	44	98	0.06	0.0	7.152	0.080	0	0	0	34
PL.60207	PL.60206	B	#1/0 ACSR	7.41Y	123.5	0.00	1.51	3.92	2	28	6	98	0.00	0.0	7.184	0.033	11	2	1	3
PL.47752	PL.60207	B	#1/0 ACSR	7.41Y	123.5	0.00	1.51	2.37	1	17	4	97	0.00	0.0	7.241	0.056	17	4	1	2
PL.60029	PL.47752	B	6 A (CWC)	7.41Y	123.5	0.00	1.51	0.00	0	0	0	100	0.00	0.0	7.303	0.062	0	0	1	1
PL.60208	PL.60206	B	#1/0 ACSR	7.41Y	123.5	0.00	1.51	23.03	10	167	37	98	0.00	0.0	7.155	0.003	0	0	0	31
PD.8936	PL.60208	B	15T	7.41Y	123.5	0.00	1.51	23.03	0	167	37	98	0.00	0.0	7.155	0.003	0	0	0	31
PL.60205	PD.8936	B	#1/0 ACSR	7.41Y	123.5	0.02	1.53	23.03	10	167	37	98	0.02	0.0	7.187	0.032	0	0	0	31
PL.60209	PL.60205	B	#1/0 ACSR	7.41Y	123.4	0.03	1.55	23.03	10	167	37	98	0.03	0.0	7.236	0.049	0	0	0	31
PL.60210	PL.60209	B	#1/0 ACSR	7.41Y	123.4	0.02	1.58	23.03	10	166	37	98	0.02	0.0	7.277	0.042	3	1	1	31
PL.60211	PL.60210	B	#1/0 ACSR	7.41Y	123.4	0.00	1.58	22.62	10	163	37	98	0.00	0.0	7.281	0.003	0	0	0	30
PD.8937	PL.60211	B	15T	7.41Y	123.4	0.00	1.58	22.62	0	163	37	98	0.00	0.0	7.281	0.003	0	0	0	30
PL.60212	PD.8937	B	#1/0 ACSR	7.40Y	123.3	0.07	1.65	22.62	10	163	37	98	0.08	0.0	7.426	0.145	0	0	0	30
PL.60072	PL.60212	B	#1/0 ACSR	7.40Y	123.3	0.02	1.67	22.62	10	163	36	98	0.02	0.0	7.473	0.047	10	2	2	30
PL.60075	PL.60072	B	#4/0 ACSR	7.40Y	123.3	0.00	1.67	0.19	0	1	0	100	0.00	0.0	7.481	0.008	0	0	0	1
PL.60076	PL.60075	B	#4/0 ACSR	7.40Y	123.3	0.00	1.67	0.19	0	1	0	100	0.00	0.0	7.517	0.035	1	0	1	1
PL.60071	PL.60072	B	#1/0 ACSR	7.40Y	123.3	0.00	1.67	1.66	1	12	3	97	0.00	0.0	7.508	0.035	12	3	1	1
PL.60073	PL.60072	B	#1/0 ACSR	7.40Y	123.3	0.00	1.67	19.35	8	140	31	98	0.00	0.0	7.477	0.003	0	0	0	26
PD.8938	PL.60073	B	15T	7.40Y	123.3	0.00	1.67	19.35	0	140	31	98	0.00	0.0	7.477	0.003	0	0	0	26
PL.60074	PD.8938	B	#1/0 ACSR	7.40Y	123.3	0.04	1.71	19.35	8	140	31	98	0.03	0.0	7.568	0.092	12	3	2	26
PL.47892	PL.60074	B	6 A (CWC)	7.39Y	123.2	0.04	1.75	17.73	13	128	29	98	0.04	0.0	7.616	0.048	0	0	0	24
PL.60077	PL.47892	B	#1/0 ACSR	7.39Y	123.2	0.04	1.79	17.73	8	128	28	98	0.03	0.0	7.712	0.096	0	0	0	24
PL.60082	PL.60077	B	#1/0 ACSR	7.39Y	123.2	0.00	1.79	4.99	2	36	8	98	0.00	0.0	7.726	0.014	0	0	0	8
PL.62515	PL.60082	B	6 A (CWC)	7.39Y	123.2	0.00	1.79	4.99	4	36	8	98	0.00	0.0	7.730	0.003	0	0	0	8
PD.9373	PL.62515	B	25T	7.39Y	123.2	0.00	1.79	4.99	0	36	8	98	0.00	0.0	7.730	0.003	0	0	0	8
PL.62516	PD.9373	B	6 A (CWC)	7.39Y	123.2	0.02	1.81	4.99	4	36	8	98	0.01	0.0	7.826	0.096	5	1	1	8
PL.49331	PL.62516	B	6 A (CWC)	7.39Y	123.2	0.01	1.82	4.27	3	31	7	98	0.00	0.0	7.859	0.033	0	0	0	7
PL.47665	PL.49331	B	6 A (CWC)	7.39Y	123.2	0.00	1.82	0.32	0	2	1	89	0.00	0.0	7.904	0.045	2	1	1	1

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Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky  
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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.49332	PL.49331	B	6 A (CWC)	7.39Y	123.2	0.03	1.84	3.95	3	28	6	98	0.01	0.0	8.016	0.157	2	0	1	6
PL.49333	PL.49332	B	6 A (CWC)	7.39Y	123.1	0.02	1.86	3.70	3	27	6	98	0.00	0.0	8.114	0.098	0	0	0	5
PL.47666	PL.49333	B	#1/0 ACSR	7.39Y	123.1	0.00	1.86	1.48	1	11	2	98	0.00	0.0	8.326	0.213	11	2	1	1
PL.49334	PL.49333	B	6 A (CWC)	7.39Y	123.1	0.01	1.87	2.22	2	16	4	97	0.00	0.0	8.225	0.111	0	0	0	4
PL.49335	PL.49334	B	6 A (CWC)	7.39Y	123.1	0.01	1.88	2.22	2	16	4	97	0.00	0.0	8.332	0.107	7	2	1	4
PL.49336	PL.49335	B	6 A (CWC)	7.39Y	123.1	0.01	1.89	1.26	1	9	2	98	0.00	0.0	8.529	0.197	1	0	1	3
PL.49337	PL.49336	B	6 A (CWC)	7.39Y	123.1	0.00	1.89	1.05	1	8	2	97	0.00	0.0	8.677	0.148	8	2	2	2
PL.60078	PL.60077	B	#1/0 ACSR	7.39Y	123.2	0.00	1.79	12.02	5	87	19	98	0.00	0.0	7.715	0.003	0	0	0	15
PD.8939	PL.60078	B	25T	7.39Y	123.2	0.00	1.79	12.02	0	87	19	98	0.00	0.0	7.715	0.003	0	0	0	15
PL.60079	PD.8939	B	6 A (CWC)	7.39Y	123.2	0.04	1.83	12.02	9	87	19	98	0.02	0.0	7.783	0.068	0	0	0	15
PL.60083	PL.60079	B	6 A (CWC)	7.39Y	123.2	0.00	1.83	12.02	9	87	19	98	0.00	0.0	7.787	0.003	0	0	0	15
PD.8941-A	PL.60083	B	Closed	7.39Y	123.2	0.00	1.83	12.02	0	87	19	98	0.00	0.0	7.787	0.003	0	0	0	15
PD.8941-B	PD.8941-A	B	Closed	7.39Y	123.2	0.00	1.83	12.02	0	87	19	98	0.00	0.0	7.787	0.003	0	0	0	15
PL.60084	PD.8941-B	B	6 A (CWC)	7.39Y	123.1	0.03	1.86	12.02	9	87	19	98	0.02	0.0	7.843	0.056	8	2	1	15
PL.58932	PL.60084	B	6 A (CWC)	7.39Y	123.1	0.00	1.86	0.84	1	6	1	99	0.00	0.0	7.897	0.054	4	1	1	2
PL.58933	PL.58932	B	#1/0 ACSR	7.39Y	123.1	0.00	1.86	0.26	0	2	0	100	0.00	0.0	7.928	0.031	2	0	1	1
PL.57738	PL.60084	B	6 A (CWC)	7.39Y	123.1	0.03	1.89	8.76	6	63	14	98	0.01	0.0	7.926	0.083	12	3	2	11
PL.57739	PL.57738	B	6 A (CWC)	7.39Y	123.1	0.03	1.91	7.05	5	51	11	98	0.01	0.0	8.012	0.086	4	1	1	9
PL.49340	PL.57739	B	6 A (CWC)	7.38Y	123.0	0.04	1.95	6.44	5	46	10	98	0.01	0.0	8.153	0.140	0	0	0	8
PL.49341	PL.49340	B	6 A (CWC)	7.38Y	123.0	0.02	1.98	6.44	5	46	10	98	0.01	0.0	8.247	0.094	18	4	2	8
PL.49342	PL.49341	B	6 A (CWC)	7.38Y	123.0	0.01	1.98	4.01	3	29	6	98	0.00	0.0	8.298	0.051	2	0	1	6
PL.49343	PL.49342	B	6 A (CWC)	7.38Y	123.0	0.01	1.99	3.75	3	27	6	98	0.00	0.0	8.349	0.051	6	1	1	5
PL.49344	PL.49343	B	6 A (CWC)	7.38Y	123.0	0.01	2.01	2.98	2	21	5	97	0.00	0.0	8.454	0.105	0	0	0	4
PL.49345	PL.49344	B	6 A (CWC)	7.38Y	123.0	0.00	2.01	2.48	2	18	4	98	0.00	0.0	8.500	0.046	2	1	1	3
PL.49346	PL.49345	B	6 A (CWC)	7.38Y	123.0	0.00	2.01	2.14	2	15	3	98	0.00	0.0	8.553	0.053	15	3	2	2
PL.45996	PL.49344	B	6 A (CWC)	7.38Y	123.0	0.00	2.01	0.50	0	4	1	97	0.00	0.0	8.619	0.165	4	1	1	1
PL.49338	PL.60084	B	6 A (CWC)	7.39Y	123.1	0.00	1.86	1.35	1	10	2	98	0.00	0.0	7.912	0.069	0	0	0	1
PL.49339	PL.49338	B	6 A (CWC)	7.39Y	123.1	0.00	1.87	1.35	1	10	2	98	0.00	0.0	8.021	0.110	10	2	1	1
PL.60080	PL.60077	B	#1/0 ACSR	7.39Y	123.2	0.00	1.79	0.72	0	5	1	98	0.00	0.0	7.715	0.003	0	0	0	1
PD.8940	PL.60080	B	15T	7.39Y	123.2	0.00	1.79	0.72	0	5	1	98	0.00	0.0	7.715	0.003	0	0	0	1
PL.60081	PD.8940	B	#1/0 ACSR	7.39Y	123.2	0.00	1.79	0.72	0	5	1	98	0.00	0.0	7.783	0.068	5	1	1	1

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.60255	PL.60203	B	#1/0 ACSR	7.41Y	123.5	0.00	1.46	0.00	0	0	0	100	0.00	0.0	7.091	0.023	0	0	0	0
PL.60256	PL.60255	B	6 A (CWC)	7.41Y	123.5	0.00	1.46	0.00	0	0	0	100	0.00	0.0	7.094	0.003	0	0	0	0
PD.8953-A	PL.60256	B	Open	7.41Y	123.5	0.00	1.46	0.00	0	0	0	100	0.00	0.0	7.094	0.003	0	0	0	0
PL.61078	PL.61075	A	6 A (CWC)	7.42Y	123.7	0.00	1.33	1.15	1	8	2	97	0.00	0.0	6.620	0.003	0	0	0	4
PD.8857	PL.61078	A	15T	7.42Y	123.7	0.00	1.33	1.15	0	8	2	97	0.00	0.0	6.620	0.003	0	0	0	4
PL.60061	PD.8857	A	6 A (CWC)	7.42Y	123.7	0.01	1.33	1.15	1	8	2	97	0.00	0.0	6.823	0.203	8	2	2	4
PL.60059	PL.60061	A	6 A (CWC)	7.42Y	123.7	0.00	1.33	0.00	0	0	0	100	0.00	0.0	6.903	0.080	0	0	2	2
PL.61077	PL.61075	A	6 A (CWC)	7.42Y	123.7	0.00	1.33	1.66	1	12	3	97	0.00	0.0	6.620	0.003	0	0	0	1
PD.8856	PL.61077	A	15T	7.42Y	123.7	0.00	1.33	1.66	0	12	3	97	0.00	0.0	6.620	0.003	0	0	0	1
PL.60060	PD.8856	A	6 A (CWC)	7.42Y	123.7	0.00	1.33	1.66	1	12	3	97	0.00	0.0	6.637	0.017	12	3	1	1
PL.48924	PL.48922	B	#2 ACSR	7.43Y	123.8	0.00	1.16	1.16	1	8	2	97	0.00	0.0	6.062	0.000	0	0	0	3
PD.7576	PL.48924	B	40T	7.43Y	123.8	0.00	1.16	1.16	0	8	2	97	0.00	0.0	6.062	0.000	0	0	0	3
PL.48925	PD.7576	B	#2 ACSR	7.43Y	123.8	0.00	1.16	1.16	1	8	2	97	0.00	0.0	6.096	0.035	1	0	2	3
PL.48754	PL.48925	B	#2 ACSR	7.43Y	123.8	0.00	1.16	1.04	1	8	2	97	0.00	0.0	6.196	0.100	8	2	1	1
CP.70	PL.48752	ABC	Cap (450)	7.45Y	124.2	0.00	0.77	0.00	0	0	0	100	0.00	0.0	5.508	0.100	0	0	0	0
PL.48746	PL.48745	C	#2 ACSR	7.46Y	124.3	0.00	0.66	0.95	1	7	2	96	0.00	0.0	5.364	0.002	0	0	0	1
PD.7409	PL.48746	C	50QA	7.46Y	124.3	0.00	0.66	0.95	2	7	2	96	0.00	0.0	5.364	0.002	0	0	0	1
PL.48747	PD.7409	C	#2 ACSR	7.46Y	124.3	0.00	0.66	0.95	1	7	2	96	0.00	0.0	5.411	0.047	7	2	1	1
PL.47778	PL.47776	A	#2 ACSR	7.24Y	120.6	0.00	4.37	0.28	0	2	0	100	0.00	0.0	5.141	0.003	0	0	0	2
PD.7326	PL.47778	A	40QA	7.24Y	120.6	0.00	4.37	0.28	1	2	0	100	0.00	0.0	5.141	0.003	0	0	0	2
PL.57914	PD.7326	A	#2 ACSR	7.24Y	120.6	0.00	4.37	0.28	0	2	0	100	0.00	0.0	5.177	0.035	2	0	2	2
PL.60173	PL.64131	A	#1/0 ACSR	7.30Y	121.7	0.00	3.33	0.00	0	0	0	100	0.00	0.0	3.933	0.001	0	0	0	1
PD.8925	PL.60173	A	15T	7.30Y	121.7	0.00	3.33	0.00	0	0	0	100	0.00	0.0	3.933	0.001	0	0	0	1
PL.60174	PD.8925	A	#1/0 ACSR	7.30Y	121.7	0.00	3.33	0.00	0	0	0	100	0.00	0.0	4.047	0.114	0	0	1	1
PL.64057	PL.58636	B	#1/0 ACSR	7.35Y	122.6	0.00	2.43	0.95	0	7	2	96	0.00	0.0	2.903	0.056	7	2	2	2
PL.58615	PL.63422	B	#2 ACSR	7.39Y	123.1	0.00	1.86	1.62	1	12	3	97	0.00	0.0	2.165	0.000	0	0	0	2
PD.8015	PL.58615	B	10T	7.39Y	123.1	0.00	1.86	1.62	0	12	3	97	0.00	0.0	2.165	0.000	0	0	0	2
PL.52273	PD.8015	B	#2 ACSR	7.39Y	123.1	0.00	1.86	1.62	1	12	3	97	0.00	0.0	2.165	0.000	12	3	2	2
PL.47950	PL.52272	A	6 A (CWC)	7.39Y	123.2	0.00	1.77	1.57	1	11	3	96	0.00	0.0	2.056	0.006	0	0	0	2
PD.7524	PL.47950	A	70QA	7.39Y	123.2	0.00	1.77	1.57	0	11	3	96	0.00	0.0	2.056	0.006	0	0	0	2
PL.47951	PD.7524	A	6 A (CWC)	7.39Y	123.2	0.00	1.77	1.57	1	11	3	96	0.00	0.0	2.102	0.045	0	0	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: Brodhead

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----			
																KW	KVAR	Cons On	Cons Thru	
PL.47952	PL.47951	A	6 A (CWC)	7.39Y	123.2	0.00	1.77	1.51	1	11	2	98	0.00	0.0	2.173	0.072	11	2	1	1
PL.52269	PL.61723	C	6 A (CWC)	7.45Y	124.2	0.00	0.80	0.54	0	4	1	97	0.00	0.0	0.927	0.006	0	0	0	3
PD.7407	PL.52269	C	70QA	7.45Y	124.2	0.00	0.80	0.54	0	4	1	97	0.00	0.0	0.927	0.006	0	0	0	3
PL.49182	PD.7407	C	6 A (CWC)	7.45Y	124.2	0.00	0.80	0.54	0	4	1	97	0.00	0.0	1.087	0.159	3	1	2	3
PL.49183	PL.49182	C	6 A (CWC)	7.45Y	124.2	0.00	0.80	0.11	0	1	0	100	0.00	0.0	1.288	0.202	1	0	1	1
PL.61724	PL.61722	A	#1/0 ACSR	7.48Y	124.6	0.00	0.39	1.29	1	9	2	98	0.00	0.0	0.455	0.003	0	0	0	1
PD.9167	PL.61724	A	80T	7.48Y	124.6	0.00	0.39	1.29	0	9	2	98	0.00	0.0	0.455	0.003	0	0	0	1
PL.61725	PD.9167	A	#1/0 ACSR	7.48Y	124.6	0.00	0.40	1.29	1	9	2	98	0.00	0.0	0.510	0.056	9	2	1	1
PL.61721	PD.9167	A	#1/0 ACSR	7.48Y	124.6	0.00	0.39	0.00	0	0	0	100	0.00	0.0	0.572	0.118	0	0	0	0
PL.58392	PL.58391	C	#1/0 ACSR	7.49Y	124.9	0.00	0.14	0.91	0	7	1	99	0.00	0.0	0.165	0.001	0	0	0	2
PD.7369	PL.58392	C	70QA	7.49Y	124.9	0.00	0.14	0.91	0	7	1	99	0.00	0.0	0.165	0.001	0	0	0	2
PL.48503	PD.7369	C	#1/0 ACSR	7.49Y	124.9	0.00	0.14	0.91	0	7	1	99	0.00	0.0	0.213	0.048	7	1	2	2

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

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load	Losses	Total			
KW	12621	0	0	0	0	0	486		0.00	13107	Lowest Voltage =	117.85	on Element PL.49020
KVAR	3318	0	0	-6	0	0	1000			4312	Max Accm VoltD =	7.15	on Element PL.49020
											Max Elem VoltD =	0.77	on Element PL.58620