Balanced Voltage Drop Report
Source: Pine Grove 2

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
Pine Grove 2		ABC	SRC-Pine G	7.50Y	125.0	0.00	0.00	404.87	0	8653	2848	95	0.00	0.0	0.000	0.000	0	0	0	1005
PL.62453	Pine Grove 2	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	143.93	28	3095	954	96	0.00	0.0	0.002	0.002	0	0	0	414
PL.62454	PL.62453	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	143.93	28	3095	954	96	0.00	0.0	0.003	0.002	0	0	0	414
---------- Feeder No. 3 (Hwy 363 F3) Beginning with Device PD.9339 ----------																				
PD.9339	PL.62454	ABC	400VWE	7.50Y	125.0	0.00	0.00	143.93	0	3095	954	96	0.00	0.0	0.003	0.002	0	0	0	414
PL.62448	PD.9339	ABC	397 SPACER	7.50Y	125.0	0.01	0.01	143.93	28	3095	954	96	0.03	0.0	0.015	0.012	0	0	0	414
PL.62449	PL.62448	A	#3/0 ACSR	7.50Y	125.0	0.00	0.01	4.96	2	36	10	96	0.00	0.0	0.021	0.006	0	0	0	6
PD.6407	PL.62449	A	50QA	7.50Y	125.0	0.00	0.01	4.96	10	36	10	96	0.00	0.0	0.021	0.006	0	0	0	6
PL.42729	PD.6407	A	#3/0 ACSR	7.50Y	125.0	0.00	0.01	4.96	2	36	10	96	0.00	0.0	0.054	0.033	5	1	1	6
PL.42730	PL.42729	A	#3/0 ACSR	7.50Y	125.0	0.00	0.01	4.33	1	31	9	96	0.00	0.0	0.079	0.025	2	1	1	5
PL.42731	PL.42730	A	#3/0 ACSR	7.50Y	125.0	0.00	0.01	3.13	1	22	7	95	0.00	0.0	0.110	0.031	22	7	2	2
PL.41566	PL.42730	A	#4 ACSR	7.50Y	125.0	0.00	0.01	0.94	1	7	2	96	0.00	0.0	0.115	0.035	7	2	2	2
PL.62450	PL.62448	ABC	397 SPACER	7.49Y	124.9	0.09	0.09	142.28	27	3059	943	96	0.50	0.0	0.204	0.189	5	1	1	408
PL.41047	PL.62450	ABC	397 SPACER	7.49Y	124.9	0.01	0.11	142.07	27	3054	936	96	0.08	0.0	0.236	0.032	0	0	0	407
PL.41296	PL.41047	ABC	397 SPACER	7.49Y	124.9	0.04	0.15	142.07	27	3054	935	96	0.23	0.0	0.321	0.085	0	0	0	407
PL.41297	PL.41296	B	#2 ACSR	7.49Y	124.9	0.00	0.15	2.22	1	16	5	95	0.00	0.0	0.326	0.006	0	0	0	3
PD.6601	PL.41297	B	65T	7.49Y	124.9	0.00	0.15	2.22	0	16	5	95	0.00	0.0	0.326	0.006	0	0	0	3
PL.41298	PD.6601	B	#2 ACSR	7.49Y	124.9	0.00	0.15	2.22	1	16	5	95	0.00	0.0	0.333	0.007	16	5	3	3
PL.41913	PL.41296	ABC	397 SPACER	7.49Y	124.8	0.02	0.17	141.32	27	3038	927	96	0.14	0.0	0.372	0.052	12	4	1	404
PL.41918	PL.41913	C	#2 ACSR	7.49Y	124.8	0.00	0.17	0.16	0	1	0	100	0.00	0.0	0.450	0.078	1	0	1	1
PL.41919	PL.41918	C	#2 ACSR	7.49Y	124.8	0.00	0.17	0.00	0	0	0	100	0.00	0.0	0.543	0.093	0	0	0	0
PL.41914	PL.41913	ABC	397 SPACER	7.49Y	124.8	0.05	0.23	140.71	27	3024	922	96	0.31	0.0	0.492	0.120	0	0	0	402
PL.58928	PL.41914	ABC	397 SPACER	7.48Y	124.7	0.03	0.26	136.83	26	2940	894	96	0.17	0.0	0.561	0.069	0	0	0	393
PL.58929	PL.58928	ABC	#2 ACSR	7.47Y	124.5	0.25	0.51	136.83	78	2940	892	96	5.48	0.2	0.633	0.072	10	3	1	393
PL.42996	PL.58929	ABC	#2 ACSR	7.46Y	124.4	0.10	0.61	135.94	78	2915	884	96	2.29	0.1	0.663	0.030	0	0	1	391
PL.42997	PL.42996	ABC	#2 ACSR	7.44Y	124.0	0.44	1.05	135.94	78	2913	883	96	9.61	0.3	0.790	0.127	0	0	0	390
PL.53676	PL.42997	ABC	#2 ACSR	7.42Y	123.7	0.24	1.28	135.45	77	2893	874	96	5.14	0.2	0.858	0.068	0	0	0	388
PL.53678	PL.53676	ABC	#2 ACSR	7.41Y	123.6	0.15	1.43	134.74	77	2873	867	96	3.26	0.1	0.902	0.044	2	1	1	386
PL.43000	PL.53678	ABC	#2 ACSR	7.40Y	123.4	0.16	1.59	134.64	77	2867	865	96	3.47	0.1	0.949	0.047	0	0	0	385
PL.42751	PL.43000	B	6 A (CWC)	7.40Y	123.4	0.00	1.59	1.18	1	8	2	97	0.00	0.0	0.954	0.006	0	0	0	2

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

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Case: 2009 Existing Conditions

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.6151	PL.42751	B	65T	7.40Y	123.4	0.00	1.59	1.18	0	8	2	97	0.00	0.0	0.954	0.006	0	0	0	2
PL.53675	PD.6151	B	6 A (CWC)	7.40Y	123.4	0.01	1.60	1.18	1	8	2	97	0.00	0.0	1.152	0.197	8	2	2	2
PL.42752	PL.43000	ABC	#2 ACSR	7.40Y	123.3	0.10	1.69	132.62	76	2821	850	96	2.10	0.1	0.978	0.029	11	3	2	379
PL.42753	PL.42752	ABC	#2 ACSR	7.38Y	123.1	0.24	1.93	132.12	75	2808	846	96	5.17	0.2	1.051	0.073	20	6	3	377
PL.42754	PL.42753	C	#4 ACSR	7.38Y	123.1	0.00	1.94	1.86	1	13	4	96	0.00	0.0	1.056	0.006	0	0	0	1
PD.6602	PL.42754	C	65T	7.38Y	123.1	0.00	1.94	1.86	0	13	4	96	0.00	0.0	1.056	0.006	0	0	0	1
PL.53983	PD.6602	C	#4 ACSR	7.38Y	123.1	0.00	1.94	1.86	1	13	4	96	0.00	0.0	1.095	0.038	13	4	1	1
PL.42755	PL.42753	C	#4 ACSR	7.38Y	123.1	0.00	1.93	0.64	0	5	1	98	0.00	0.0	1.056	0.006	0	0	0	1
PD.6152	PL.42755	C	65T	7.38Y	123.1	0.00	1.93	0.64	0	5	1	98	0.00	0.0	1.056	0.006	0	0	0	1
PL.53980	PD.6152	C	#4 ACSR	7.38Y	123.1	0.00	1.94	0.64	0	5	1	98	0.00	0.0	1.103	0.047	5	1	1	1
PL.42542	PL.42753	ABC	#2 ACSR	7.36Y	122.7	0.34	2.28	130.34	74	2765	832	96	7.22	0.3	1.155	0.104	16	5	1	372
PL.54605	PL.42542	ABC	#2 ACSR	7.35Y	122.5	0.27	2.55	129.59	74	2742	823	96	5.60	0.2	1.236	0.081	3	1	1	371
PL.54607	PL.54605	C	#4 ACSR	7.35Y	122.5	0.00	2.55	0.64	0	4	1	97	0.00	0.0	1.242	0.006	0	0	0	1
PD.6153	PL.54607	C	65T	7.35Y	122.5	0.00	2.55	0.64	0	4	1	97	0.00	0.0	1.242	0.006	0	0	0	1
PL.53982	PD.6153	C	#4 ACSR	7.35Y	122.5	0.00	2.55	0.64	0	4	1	97	0.00	0.0	1.303	0.061	4	1	1	1
PL.54606	PL.54605	ABC	6 A (CWC)	7.35Y	122.4	0.01	2.55	22.62	16	476	149	95	0.02	0.0	1.242	0.006	0	0	0	61
PD.6147	PL.54606	ABC	65T	7.35Y	122.4	0.00	2.55	22.62	0	476	149	95	0.00	0.0	1.242	0.006	0	0	0	61
PL.41661	PD.6147	ABC	6 A (CWC)	7.34Y	122.4	0.08	2.63	22.62	16	476	149	95	0.31	0.1	1.333	0.091	0	0	1	61
PL.54233	PL.41661	ABC	6 A (CWC)	7.34Y	122.3	0.09	2.72	22.16	16	466	146	95	0.34	0.1	1.440	0.107	8	2	1	59
PL.54234	PL.54233	ABC	6 A (CWC)	7.33Y	122.1	0.14	2.87	21.79	16	458	144	95	0.52	0.1	1.606	0.166	0	0	0	58
PL.42795	PL.54234	C	6 A (CWC)	7.33Y	122.1	0.00	2.87	16.65	12	117	34	96	0.00	0.0	1.612	0.006	0	0	0	13
PD.6154	PL.42795	C	50QA	7.33Y	122.1	0.00	2.87	16.65	33	117	34	96	0.00	0.0	1.612	0.006	0	0	0	13
PL.41683	PD.6154	C	6 A (CWC)	7.33Y	122.1	0.03	2.90	16.65	12	117	34	96	0.02	0.0	1.648	0.037	0	0	0	13
PL.41382	PL.41683	C	6 A (CWC)	7.32Y	122.1	0.05	2.95	14.61	10	103	30	96	0.04	0.0	1.723	0.075	8	2	1	11
PL.54182	PL.41382	C	#1/0 ACSR	7.32Y	122.1	0.00	2.95	2.63	1	18	5	96	0.00	0.0	1.776	0.053	18	5	3	3
PL.41383	PL.41382	C	6 A (CWC)	7.32Y	122.0	0.02	2.97	10.81	8	76	22	96	0.01	0.0	1.774	0.051	22	7	2	7
PL.54757	PL.41383	C	6 A (CWC)	7.32Y	122.0	0.02	2.99	7.66	5	54	16	96	0.01	0.0	1.832	0.058	12	4	1	5
PL.54758	PL.54757	C	6 A (CWC)	7.32Y	122.0	0.01	3.00	5.93	4	42	12	96	0.00	0.0	1.891	0.059	9	3	1	4
PL.54759	PL.54758	C	#2 ACSR	7.32Y	122.0	0.00	3.00	1.35	1	9	3	95	0.00	0.0	1.966	0.074	9	3	1	1
PL.57326	PL.54758	C	6 A (CWC)	7.32Y	122.0	0.01	3.01	3.25	2	23	7	96	0.00	0.0	1.956	0.064	0	0	0	2
PL.57330	PL.57326	C	6 A (CWC)	7.32Y	121.9	0.04	3.05	3.25	2	23	7	96	0.01	0.0	2.220	0.264	0	0	0	2

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Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.57331	PL.57330	C	6 A (CWC)	7.32Y	121.9	0.00	3.05	1.05	1	7	2	96	0.00	0.0	2.323	0.103	7	2	1	1
PL.57329	PL.57330	C	#2 ACSR	7.32Y	121.9	0.00	3.06	2.21	1	15	5	95	0.00	0.0	2.350	0.130	15	5	1	1
PL.64519	PL.41683	C	#4 ACSR	7.33Y	122.1	0.00	2.90	2.04	2	14	4	96	0.00	0.0	1.695	0.047	0	0	0	2
PL.64520	PL.64519	C	#4 ACSR	7.33Y	122.1	0.00	2.90	2.04	2	14	4	96	0.00	0.0	1.695	0.000	14	4	2	2
PL.63244	PL.54234	C	6 A (CWC)	7.33Y	122.1	0.01	2.87	40.80	29	287	85	96	0.02	0.0	1.610	0.004	0	0	0	43
PD.9476	PL.63244	C	50T	7.33Y	122.1	0.00	2.87	40.80	0	287	85	96	0.00	0.0	1.610	0.004	0	0	0	43
PL.63245	PD.9476	C	6 A (CWC)	7.32Y	122.0	0.13	3.00	40.80	29	287	85	96	0.27	0.1	1.680	0.070	20	6	4	43
PL.54267	PL.63245	C	6 A (CWC)	7.32Y	122.0	0.03	3.03	15.92	11	112	33	96	0.02	0.0	1.725	0.045	14	4	2	22
PL.63519	PL.54267	C	6 A (CWC)	7.32Y	122.0	0.00	3.03	13.87	10	97	29	96	0.00	0.0	1.729	0.004	0	0	0	20
PD.9479	PL.63519	C	30T	7.32Y	122.0	0.00	3.03	13.87	0	97	29	96	0.00	0.0	1.729	0.004	0	0	0	20
PL.63520	PD.9479	C	6 A (CWC)	7.31Y	121.9	0.05	3.08	13.87	10	97	29	96	0.04	0.0	1.806	0.077	0	0	0	20
PL.55921	PL.63520	C	6 A (CWC)	7.31Y	121.9	0.01	3.09	0.75	1	5	2	93	0.00	0.0	1.997	0.191	0	0	0	1
PL.55922	PL.55921	C	6 A (CWC)	7.31Y	121.9	0.00	3.10	0.75	1	5	2	93	0.00	0.0	2.276	0.279	5	2	1	1
PL.54266	PL.63520	C	#4 ACSR	7.31Y	121.8	0.08	3.16	13.11	10	92	27	96	0.05	0.1	1.938	0.131	0	0	0	19
PL.54519	PL.54266	C	#4 ACSR	7.31Y	121.8	0.03	3.19	13.11	10	92	27	96	0.02	0.0	1.996	0.059	43	13	7	19
PL.54520	PL.54519	C	#1/0 ACSR	7.31Y	121.8	0.01	3.19	6.97	3	49	14	96	0.00	0.0	2.039	0.042	16	5	2	12
PL.54521	PL.54520	C	#1/0 ACSR	7.31Y	121.8	0.00	3.20	4.76	2	33	10	96	0.00	0.0	2.084	0.045	33	10	10	10
PL.54265	PL.63245	C	6 A (CWC)	7.32Y	121.9	0.05	3.05	22.01	16	155	46	96	0.06	0.0	1.732	0.052	0	0	0	17
PL.54229	PL.54265	C	6 A (CWC)	7.32Y	121.9	0.02	3.07	19.47	14	137	40	96	0.02	0.0	1.757	0.025	20	6	3	15
PL.54230	PL.54229	C	6 A (CWC)	7.31Y	121.9	0.03	3.11	16.67	12	117	34	96	0.03	0.0	1.804	0.047	31	9	3	12
PL.54528	PL.54230	C	6 A (CWC)	7.31Y	121.9	0.01	3.12	12.28	9	86	25	96	0.01	0.0	1.840	0.035	53	16	6	9
PL.54527	PL.54528	C	#2 ACSR	7.31Y	121.9	0.00	3.12	2.12	1	15	4	97	0.00	0.0	1.879	0.040	15	4	1	1
PL.54529	PL.54528	C	6 A (CWC)	7.31Y	121.9	0.00	3.12	1.75	1	12	4	95	0.00	0.0	1.868	0.028	0	0	0	1
PL.54184	PL.54529	C	#1/0 ACSR	7.31Y	121.9	0.00	3.12	1.75	1	12	4	95	0.00	0.0	1.877	0.009	12	4	1	1
PL.54183	PL.54529	C	6 A (CWC)	7.31Y	121.9	0.00	3.12	0.00	0	0	0	100	0.00	0.0	1.892	0.024	0	0	0	0
PL.54530	PL.54528	C	#2 ACSR	7.31Y	121.9	0.00	3.12	0.82	0	6	2	95	0.00	0.0	1.883	0.044	6	2	1	1
PL.63517	PL.54265	C	6 A (CWC)	7.32Y	121.9	0.00	3.05	2.54	2	18	5	96	0.00	0.0	1.735	0.003	0	0	0	2
PD.9478	PL.63517	C	20T	7.32Y	121.9	0.00	3.05	2.54	0	18	5	96	0.00	0.0	1.735	0.003	0	0	0	2
PL.63518	PD.9478	C	6 A (CWC)	7.32Y	121.9	0.00	3.06	2.54	2	18	5	96	0.00	0.0	1.777	0.042	0	0	0	2
PL.54228	PL.63518	C	6 A (CWC)	7.32Y	121.9	0.00	3.06	2.54	2	18	5	96	0.00	0.0	1.798	0.021	18	5	2	2
PL.41710	PL.54234	ABC	6 A (CWC)	7.33Y	122.1	0.01	2.87	2.67	2	53	25	90	0.00	0.0	1.670	0.064	0	0	0	2

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Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.57248	PL.41710	ABC	1/0 AL URD	7.33Y	122.1	0.00	2.88	2.67	2	53	25	90	0.00	0.0	1.752	0.082	18	9	1	2
PL.57249	PL.57248	ABC	1/0 AL URD	7.33Y	122.1	0.00	2.88	1.79	1	36	17	90	0.00	0.0	1.760	0.008	36	17	1	1
PL.41662	PL.41661	C	#2 ACSR	7.34Y	122.4	0.00	2.63	1.33	1	9	3	95	0.00	0.0	1.339	0.006	0	0	0	1
PD.6679	PL.41662	C	10QA	7.34Y	122.4	0.00	2.63	1.33	0	9	3	95	0.00	0.0	1.339	0.006	0	0	0	1
PL.57975	PD.6679	C	#2 ACSR	7.34Y	122.4	0.01	2.64	1.33	1	9	3	95	0.00	0.0	1.457	0.119	0	0	0	1
PL.57976	PL.57975	C	#2 ACSR	7.34Y	122.4	0.00	2.64	1.33	1	9	3	95	0.00	0.0	1.506	0.049	9	3	1	1
PL.54608	PL.54605	ABC	#2 ACSR	7.33Y	122.2	0.22	2.77	105.22	60	2223	660	96	3.80	0.2	1.321	0.084	15	4	2	303
PL.54469	PL.54608	ABC	#2 ACSR	7.32Y	121.9	0.28	3.05	104.53	60	2205	653	96	4.75	0.2	1.427	0.107	19	5	2	301
PL.63753	PL.54469	A	#4 ACSR	7.32Y	121.9	0.00	3.05	1.41	1	10	3	96	0.00	0.0	1.427	0.000	0	0	0	2
PL.63754	PL.63753	A	#4 ACSR	7.32Y	121.9	0.00	3.05	1.41	1	10	3	96	0.00	0.0	1.433	0.006	0	0	0	2
PD.6680	PL.63754	A	65T	7.32Y	121.9	0.00	3.05	1.41	0	10	3	96	0.00	0.0	1.433	0.006	0	0	0	2
PL.42798	PD.6680	A	#4 ACSR	7.32Y	121.9	0.00	3.06	1.41	1	10	3	96	0.00	0.0	1.477	0.044	0	0	0	2
PL.42799	PL.42798	A	#4 ACSR	7.32Y	121.9	0.00	3.06	1.41	1	10	3	96	0.00	0.0	1.534	0.057	10	3	2	2
PL.60938	PL.54469	ABC	#2 ACSR	7.31Y	121.8	0.16	3.21	103.18	59	2172	643	96	2.70	0.1	1.490	0.062	11	3	1	297
PL.60942	PL.60938	ABC	#2 ACSR	7.31Y	121.8	0.03	3.24	102.64	59	2158	638	96	0.43	0.0	1.500	0.010	0	0	0	296
PL.60944	PL.60942	ABC	1/0 AL URD	7.31Y	121.8	0.00	3.24	0.31	0	3	-6	-45	0.00	0.0	1.502	0.002	0	0	0	1
PL.60949	PL.60944	C	1/0 AL URD	7.31Y	121.8	-0.00	3.24	-0.42	0	0	-3	0	0.00	0.0	1.545	0.043	0	0	0	0
PL.60950	PL.60949	C	1/0 AL URD	7.31Y	121.8	-0.00	3.24	-0.40	0	0	-3	0	0.00	0.0	1.560	0.015	0	0	0	0
PL.60952	PL.60950	C	1/0 AL URD	7.31Y	121.8	-0.00	3.24	-0.39	0	0	-3	0	0.00	0.0	1.628	0.068	0	0	0	0
PL.60954	PL.60952	C	1/0 AL URD	7.31Y	121.8	-0.00	3.24	-0.36	0	0	-3	0	0.00	0.0	1.684	0.056	0	0	0	0
PL.60956	PL.60954	C	1/0 AL URD	7.31Y	121.8	-0.00	3.24	-0.33	0	0	-2	0	0.00	0.0	1.718	0.034	0	0	0	0
PL.60957	PL.60956	C	1/0 AL URD	7.31Y	121.8	-0.00	3.24	-0.31	0	0	-2	0	0.00	0.0	1.751	0.033	0	0	0	0
PL.60955	PL.60957	C	1/0 AL URD	7.31Y	121.8	-0.00	3.24	-0.29	0	0	-2	0	0.00	0.0	1.797	0.046	0	0	0	0
PL.60953	PL.60955	C	1/0 AL URD	7.31Y	121.8	-0.00	3.24	-0.27	0	0	-2	0	0.00	0.0	1.830	0.033	0	0	0	0
PL.60960	PL.60953	C	1/0 AL URD	7.31Y	121.8	-0.00	3.24	-0.25	0	0	-2	0	0.00	0.0	1.895	0.066	0	0	0	0
PL.60961	PL.60960	C	1/0 AL URD	7.31Y	121.8	-0.00	3.24	-0.21	0	0	-2	0	0.00	0.0	1.933	0.037	0	0	0	0
PL.60967	PL.60961	C	1/0 AL URD	7.31Y	121.8	-0.00	3.24	-0.19	0	0	-1	0	0.00	0.0	2.000	0.068	0	0	0	0
PL.60969	PL.60967	C	1/0 AL URD	7.31Y	121.8	-0.00	3.24	-0.16	0	0	-1	0	0.00	0.0	2.042	0.042	0	0	0	0
PL.60971	PL.60969	C	1/0 AL URD	7.31Y	121.8	-0.00	3.24	-0.14	0	0	-1	0	0.00	0.0	2.085	0.042	0	0	0	0
PL.60972	PL.60971	C	1/0 AL URD	7.31Y	121.8	-0.00	3.24	-0.11	0	0	-1	0	0.00	0.0	2.128	0.043	0	0	0	0
PL.60970	PL.60972	C	1/0 AL URD	7.31Y	121.8	-0.00	3.24	-0.09	0	0	-1	0	0.00	0.0	2.170	0.042	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: Pine Grove 2

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PL.60968	PL.60970	C	1/0 AL URD	7.31Y	121.8	-0.00	3.24	-0.07	0	0	-1	0	0.00	0.0	2.213	0.043	0	0	0	0	
PL.60966	PL.60968	C	1/0 AL URD	7.31Y	121.8	-0.00	3.24	-0.05	0	0	0	100	0.00	0.0	2.275	0.062	0	0	0	0	
PL.60965	PL.60966	C	1/0 AL URD	7.31Y	121.8	-0.00	3.24	-0.01	0	0	0	100	0.00	0.0	2.300	0.025	0	0	0	0	
PL.60945	PL.60944	ABC	1/0 AL URD	7.31Y	121.8	-0.00	3.24	-0.13	0	0	-3	0	0.00	0.0	1.749	0.247	0	0	0	0	
PL.60946	PL.60945	B	1/0 AL URD	7.31Y	121.8	0.00	3.24	-0.00	0	0	0	100	0.00	0.0	1.752	0.003	0	0	0	0	
PL.60947	PL.60945	C	1/0 AL URD	7.31Y	121.8	0.00	3.24	0.00	0	0	0	100	0.00	0.0	1.751	0.002	0	0	0	0	
PL.60948	PL.60944	B	1/0 AL URD	7.31Y	121.8	0.00	3.24	0.43	0	3	0	100	0.00	0.0	1.527	0.025	0	0	0	1	
PL.60951	PL.60948	B	1/0 AL URD	7.31Y	121.8	0.00	3.24	0.44	0	3	0	100	0.00	0.0	1.584	0.057	0	0	0	1	
PL.60958	PL.60951	B	1/0 AL URD	7.31Y	121.8	0.00	3.24	0.44	0	3	0	100	0.00	0.0	1.622	0.038	0	0	0	1	
PL.72562	PL.60958	B	1/0 AL URD	7.31Y	121.8	0.00	3.24	0.44	0	3	0	100	0.00	0.0	1.655	0.034	0	0	0	1	
PL.72563	PL.72562	B	1/0 AL URD	7.31Y	121.8	0.00	3.24	0.44	0	3	1	95	0.00	0.0	1.659	0.004	3	1	1	1	
PL.60962	PL.72563	B	1/0 AL URD	7.31Y	121.8	-0.00	3.24	-0.05	0	0	0	100	0.00	0.0	1.696	0.037	0	0	0	0	
PL.60963	PL.60962	B	1/0 AL URD	7.31Y	121.8	-0.00	3.24	-0.03	0	0	0	100	0.00	0.0	1.734	0.037	0	0	0	0	
PL.60964	PL.60963	B	1/0 AL URD	7.31Y	121.8	0.00	3.24	-0.01	0	0	0	100	0.00	0.0	1.749	0.016	0	0	0	0	
PL.60943	PL.60942	ABC	#2 ACSR	7.30Y	121.7	0.09	3.33	102.58	59	2154	643	96	1.42	0.1	1.532	0.033	0	0	0	295	
PL.60940	PL.60943	C	#1/0 ACSR	7.30Y	121.7	0.00	3.33	1.44	1	10	3	96	0.00	0.0	1.538	0.006	0	0	0	1	
PD.6400	PL.60940	C	65T	7.30Y	121.7	0.00	3.33	1.44	0	10	3	96	0.00	0.0	1.538	0.006	0	0	0	1	
PL.42756	PD.6400	C	#1/0 ACSR	7.30Y	121.7	0.00	3.33	1.44	1	10	3	96	0.00	0.0	1.602	0.064	10	3	1	1	
PL.60941	PL.60943	A	6 A (CWC)	7.30Y	121.7	0.02	3.34	67.80	48	474	141	96	0.06	0.0	1.538	0.006	0	0	0	55	
PD.6401	PL.60941	A	65T	7.30Y	121.7	0.00	3.34	67.80	0	474	141	96	0.00	0.0	1.538	0.006	0	0	0	55	
PL.42757	PD.6401	A	6 A (CWC)	7.29Y	121.5	0.19	3.54	67.80	48	474	141	96	0.69	0.1	1.600	0.062	0	0	1	55	
PL.42758	PL.42757	A	6 A (CWC)	7.28Y	121.4	0.07	3.60	67.80	48	474	141	96	0.24	0.0	1.622	0.022	14	4	1	54	
PL.42759	PL.42758	A	6 A (CWC)	7.28Y	121.3	0.07	3.67	65.77	47	459	136	96	0.23	0.0	1.643	0.022	0	0	0	53	
PL.42760	PL.42759	A	6 A (CWC)	7.27Y	121.1	0.19	3.86	65.53	47	457	136	96	0.67	0.1	1.707	0.064	0	0	0	52	
PL.42761	PL.42760	A	6 A (CWC)	7.27Y	121.1	0.02	3.88	65.53	47	457	135	96	0.06	0.0	1.713	0.006	0	0	0	52	
PD.6789	PL.42761	A	70L	7.27Y	121.1	0.00	3.88	65.53	94	457	135	96	0.00	0.0	1.713	0.006	0	0	0	52	C
PL.54343	PD.6789	A	6 A (CWC)	7.26Y	121.0	0.16	4.04	65.53	47	457	135	96	0.54	0.1	1.766	0.053	7	2	1	52	
PL.54344	PL.54343	A	6 A (CWC)	7.25Y	120.9	0.08	4.12	64.49	46	449	133	96	0.28	0.1	1.794	0.029	12	3	1	51	
PL.54340	PL.54344	A	6 A (CWC)	7.24Y	120.7	0.14	4.26	62.79	45	437	129	96	0.47	0.1	1.844	0.050	7	2	1	50	
PL.54341	PL.54340	A	6 A (CWC)	7.24Y	120.6	0.10	4.36	59.89	43	416	123	96	0.31	0.1	1.882	0.038	24	7	3	47	
PL.57754	PL.54341	A	6 A (CWC)	7.23Y	120.5	0.09	4.45	56.43	40	392	116	96	0.26	0.1	1.917	0.035	8	2	1	44	

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: Pine Grove 2

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.57755	PL.57754	A	6 A (CWC)	7.23Y	120.4	0.10	4.56	55.22	39	383	113	96	0.30	0.1	1.957	0.040	0	0	0	43
PL.59036	PL.57755	A	#4 ACSR	7.23Y	120.4	0.00	4.56	8.19	6	57	17	96	0.00	0.0	1.961	0.004	0	0	0	6
PD.8667	PL.59036	A	25T	7.23Y	120.4	0.00	4.56	8.19	0	57	17	96	0.00	0.0	1.961	0.004	0	0	0	6
PL.59037	PD.8667	A	#4 ACSR	7.23Y	120.4	0.01	4.57	8.19	6	57	17	96	0.00	0.0	1.999	0.039	20	6	3	6
PL.42763	PL.59037	A	#4 ACSR	7.23Y	120.4	0.01	4.58	5.36	4	37	11	96	0.00	0.0	2.074	0.074	22	6	2	3
PL.43027	PL.42763	A	#4 ACSR	7.22Y	120.4	0.01	4.59	2.23	2	15	5	95	0.00	0.0	2.124	0.050	0	0	0	1
PL.43028	PL.43027	A	#4 ACSR	7.22Y	120.4	0.00	4.59	2.23	2	15	5	95	0.00	0.0	2.167	0.043	15	5	1	1
PL.42764	PL.57755	A	6 A (CWC)	7.22Y	120.3	0.17	4.72	47.03	34	326	96	96	0.39	0.1	2.040	0.083	50	15	5	37
PL.42765	PL.42764	A	6 A (CWC)	7.21Y	120.2	0.11	4.83	39.75	28	275	81	96	0.22	0.1	2.107	0.066	40	12	5	32
PL.42766	PL.42765	A	#1/0 ACSR	7.21Y	120.2	0.00	4.83	0.00	0	0	0	100	0.00	0.0	2.148	0.041	0	0	0	1
PL.42767	PL.42766	A	#1/0 ACSR	7.21Y	120.2	0.00	4.83	0.00	0	0	0	100	0.00	0.0	2.193	0.045	0	0	1	1
PL.54118	PL.42765	A	6 A (CWC)	7.21Y	120.1	0.06	4.89	33.97	24	235	69	96	0.10	0.0	2.146	0.039	38	11	4	26
PL.54382	PL.54118	A	6 A (CWC)	7.20Y	120.0	0.12	5.01	28.44	20	197	58	96	0.16	0.1	2.241	0.095	28	8	3	22
PL.54385	PL.54382	A	6 A (CWC)	7.20Y	120.0	0.03	5.04	24.37	17	168	50	96	0.04	0.0	2.271	0.030	10	3	1	19
PL.54386	PL.54385	A	6 A (CWC)	7.19Y	119.9	0.05	5.08	22.92	16	158	47	96	0.06	0.0	2.314	0.043	0	0	0	18
PL.54381	PL.54386	A	#2 ACSR	7.19Y	119.9	0.00	5.09	1.82	1	13	4	96	0.00	0.0	2.361	0.046	13	4	1	1
PL.54384	PL.54386	A	#1/0 ACSR	7.19Y	119.9	0.00	5.08	4.09	2	28	8	96	0.00	0.0	2.319	0.004	0	0	0	2
PD.8132	PL.54384	A	20QA	7.19Y	119.9	0.00	5.08	4.09	20	28	8	96	0.00	0.0	2.319	0.004	0	0	0	2
PL.54366	PD.8132	A	#1/0 ACSR	7.19Y	119.9	0.00	5.09	4.09	2	28	8	96	0.00	0.0	2.339	0.020	17	5	1	2
PL.54367	PL.54366	A	#1/0 ACSR	7.19Y	119.9	0.00	5.09	1.68	1	12	3	97	0.00	0.0	2.401	0.062	12	3	1	1
PL.54383	PL.54386	A	6 A (CWC)	7.19Y	119.9	0.02	5.11	17.02	12	117	35	96	0.02	0.0	2.343	0.028	13	4	1	15
PL.54365	PL.54383	A	#4 ACSR	7.19Y	119.9	0.00	5.11	1.60	1	11	3	96	0.00	0.0	2.380	0.037	11	3	1	1
PL.42768	PL.54383	A	6 A (CWC)	7.19Y	119.9	0.03	5.14	13.51	10	93	27	96	0.02	0.0	2.399	0.056	17	5	1	13
PL.41397	PL.42768	A	#4 ACSR	7.19Y	119.9	0.01	5.15	2.03	2	14	4	96	0.00	0.0	2.617	0.218	14	4	1	2
PL.41490	PL.41397	A	#4 ACSR	7.19Y	119.9	0.00	5.15	0.07	0	0	0	100	0.00	0.0	2.813	0.196	0	0	1	1
PL.54076	PL.42768	A	6 A (CWC)	7.19Y	119.8	0.01	5.15	9.00	6	62	18	96	0.01	0.0	2.441	0.042	31	9	4	10
PL.54077	PL.54076	A	6 A (CWC)	7.19Y	119.8	0.01	5.16	4.47	3	31	9	96	0.00	0.0	2.495	0.054	18	5	2	6
PL.63521	PL.54077	A	6 A (CWC)	7.19Y	119.8	0.00	5.16	1.16	1	8	2	97	0.00	0.0	2.498	0.004	0	0	0	3
PL.63527	PL.63521	A	6 A (CWC)	7.19Y	119.8	0.00	5.16	1.16	1	8	2	97	0.00	0.0	2.519	0.020	0	0	0	3
PL.63526	PL.63527	A	#1/0 ACSR	7.19Y	119.8	0.00	5.16	1.16	1	8	2	97	0.00	0.0	2.555	0.036	8	2	3	3
PL.63528	PL.63527	A	6 A (CWC)	7.19Y	119.8	0.00	5.16	0.00	0	0	0	100	0.00	0.0	2.613	0.094	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: Pine Grove 2

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.63522	PL.54077	A	#1/0 ACSR	7.19Y	119.8	0.00	5.16	0.65	0	4	1	97	0.00	0.0	2.589	0.094	4	1	1	1
PL.54380	PL.54382	A	#2 ACSR	7.20Y	120.0	0.00	5.01	0.00	0	0	0	100	0.00	0.0	2.271	0.030	0	0	0	0
PL.54117	PL.54118	A	#2 ACSR	7.21Y	120.1	0.00	4.89	0.00	0	0	0	100	0.00	0.0	2.182	0.036	0	0	0	0
PL.54342	PL.54340	A	6 A (CWC)	7.24Y	120.7	0.01	4.27	1.88	1	13	4	96	0.00	0.0	1.946	0.102	8	2	1	2
PL.42762	PL.54342	A	6 A (CWC)	7.24Y	120.7	0.00	4.27	0.69	0	5	1	98	0.00	0.0	2.027	0.081	5	1	1	1
PL.41818	PL.42759	A	6 A (CWC)	7.28Y	121.3	0.00	3.67	0.25	0	2	1	89	0.00	0.0	1.691	0.048	2	1	1	1
PL.60939	PL.60943	ABC	#2 ACSR	7.29Y	121.5	0.17	3.49	79.50	45	1668	499	96	2.17	0.1	1.616	0.084	0	0	0	239
PL.41359	PL.60939	C	#2 ACSR	7.29Y	121.5	0.00	3.50	1.70	1	12	4	95	0.00	0.0	1.622	0.006	0	0	0	2
PD.6569	PL.41359	C	65T	7.29Y	121.5	0.00	3.50	1.70	0	12	4	95	0.00	0.0	1.622	0.006	0	0	0	2
PL.60851	PD.6569	C	#2 ACSR	7.29Y	121.5	0.00	3.50	1.70	1	12	4	95	0.00	0.0	1.661	0.039	3	1	1	2
PL.60852	PL.60851	C	#1/0 ACSR	7.29Y	121.5	0.00	3.50	1.30	1	9	3	95	0.00	0.0	1.703	0.043	9	3	1	1
PL.41306	PL.60939	ABC	#2 ACSR	7.28Y	121.3	0.22	3.72	77.73	44	1629	486	96	2.77	0.2	1.728	0.112	0	0	0	234
PL.43002	PL.41306	ABC	#1/0 ACSR	7.27Y	121.2	0.05	3.77	75.42	33	1578	471	96	0.57	0.0	1.765	0.038	0	0	0	227
PL.43003	PL.43002	A	#4 ACSR	7.27Y	121.2	0.00	3.77	2.18	2	15	4	97	0.00	0.0	1.771	0.006	0	0	0	1
PD.6403	PL.43003	A	65T	7.27Y	121.2	0.00	3.77	2.18	0	15	4	97	0.00	0.0	1.771	0.006	0	0	0	1
PL.43004	PD.6403	A	#4 ACSR	7.27Y	121.2	0.00	3.77	2.18	2	15	4	97	0.00	0.0	1.810	0.039	15	4	1	1
PL.43005	PL.43002	ABC	#1/0 ACSR	7.27Y	121.1	0.13	3.90	74.69	32	1562	466	96	1.40	0.1	1.860	0.095	13	4	1	226
PL.43006	PL.43005	A	6 A (CWC)	7.27Y	121.1	0.00	3.90	1.83	1	13	4	96	0.00	0.0	1.866	0.006	0	0	0	1
PD.6404	PL.43006	A	65QA	7.27Y	121.1	0.00	3.90	1.83	0	13	4	96	0.00	0.0	1.866	0.006	0	0	0	1
PL.43007	PD.6404	A	6 A (CWC)	7.27Y	121.1	0.00	3.90	1.83	1	13	4	96	0.00	0.0	1.904	0.038	13	4	1	1
PL.43008	PL.43005	ABC	#1/0 ACSR	7.26Y	121.0	0.06	3.95	73.44	32	1534	457	96	0.62	0.0	1.904	0.043	13	4	1	224
PL.42495	PL.43008	ABC	#1/0 ACSR	7.26Y	121.0	0.07	4.02	72.80	32	1520	452	96	0.75	0.0	1.957	0.053	0	0	0	223
PL.42496	PL.42495	C	#4 ACSR	7.26Y	121.0	0.00	4.02	1.02	1	7	2	96	0.00	0.0	1.963	0.006	0	0	0	1
PD.6681	PL.42496	C	65T	7.26Y	121.0	0.00	4.02	1.02	0	7	2	96	0.00	0.0	1.963	0.006	0	0	0	1
PL.55695	PD.6681	C	#4 ACSR	7.26Y	121.0	0.00	4.03	1.02	1	7	2	96	0.00	0.0	2.011	0.048	7	2	1	1
PL.54085	PL.42495	A	#4 ACSR	7.26Y	121.0	0.01	4.04	7.20	6	50	15	96	0.00	0.0	2.026	0.069	38	11	4	7
PL.54086	PL.54085	A	#4 ACSR	7.26Y	121.0	0.01	4.05	1.76	1	12	4	95	0.00	0.0	2.143	0.117	0	0	0	3
PL.60901	PL.54086	A	#1/0 ACSR	7.26Y	120.9	0.00	4.05	1.72	1	12	4	95	0.00	0.0	2.243	0.100	0	0	0	2
PL.60902	PL.60901	A	#1/0 ACSR	7.26Y	120.9	0.00	4.05	1.72	1	12	4	95	0.00	0.0	2.310	0.066	12	4	2	2
PL.42497	PL.54086	A	#4 ACSR	7.26Y	121.0	0.00	4.05	0.03	0	0	0	100	0.00	0.0	2.217	0.073	0	0	1	1
PL.55693	PL.42495	ABC	#2 ACSR	7.25Y	120.8	0.17	4.19	70.06	40	1463	435	96	1.92	0.1	2.053	0.096	16	5	3	215

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Balanced Voltage Drop Report
Source: Pine Grove 2

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.55694	PL.55693	ABC	#2 ACSR	7.24Y	120.6	0.19	4.38	68.86	39	1435	426	96	2.10	0.1	2.161	0.108	0	0	0	210
PL.41416	PL.55694	A	6 A (CWC)	7.24Y	120.6	0.00	4.38	1.70	1	12	3	97	0.00	0.0	2.180	0.019	12	3	1	1
PL.43098	PL.55694	C	6 A (CWC)	7.24Y	120.6	0.00	4.38	4.48	3	31	9	96	0.00	0.0	2.167	0.006	0	0	0	5
PD.6402	PL.43098	C	50QA	7.24Y	120.6	0.00	4.38	4.48	9	31	9	96	0.00	0.0	2.167	0.006	0	0	0	5
PL.43099	PD.6402	C	6 A (CWC)	7.24Y	120.6	0.01	4.39	4.48	3	31	9	96	0.00	0.0	2.219	0.052	20	6	3	5
PL.43100	PL.43099	C	6 A (CWC)	7.24Y	120.6	0.00	4.39	1.57	1	11	3	96	0.00	0.0	2.246	0.027	8	2	1	2
PL.43101	PL.43100	C	6 A (CWC)	7.24Y	120.6	0.00	4.39	0.47	0	3	1	95	0.00	0.0	2.263	0.017	3	1	1	1
PL.43097	PL.55694	ABC	#2 ACSR	7.23Y	120.4	0.19	4.57	66.80	38	1390	412	96	2.02	0.1	2.271	0.110	0	0	0	204
PL.43102	PL.43097	B	6 A (CWC)	7.23Y	120.4	0.01	4.58	42.57	30	295	87	96	0.03	0.0	2.277	0.006	0	0	0	36
PD.6405	PL.43102	B	25T	7.23Y	120.4	0.00	4.58	42.57	0	295	87	96	0.00	0.0	2.277	0.006	0	0	0	36
PL.43103	PD.6405	B	6 A (CWC)	7.22Y	120.3	0.10	4.68	42.57	30	295	87	96	0.22	0.1	2.328	0.051	0	0	0	36
PL.55947	PL.43103	B	6 A (CWC)	7.21Y	120.1	0.23	4.91	38.72	28	268	79	96	0.45	0.2	2.462	0.134	28	8	3	34
PL.55948	PL.55947	B	6 A (CWC)	7.20Y	120.0	0.12	5.03	34.70	25	240	71	96	0.22	0.1	2.542	0.081	21	6	4	31
PL.55949	PL.55948	B	6 A (CWC)	7.20Y	120.0	0.01	5.04	3.91	3	27	8	96	0.00	0.0	2.596	0.054	11	3	1	4
PL.55950	PL.55949	B	6 A (CWC)	7.20Y	120.0	0.01	5.05	2.34	2	16	5	95	0.00	0.0	2.673	0.076	0	0	1	3
PL.43108	PL.55950	B	6 A (CWC)	7.20Y	120.0	0.00	5.05	2.32	2	16	5	95	0.00	0.0	2.730	0.057	16	5	2	2
PL.55946	PL.55948	B	6 A (CWC)	7.20Y	120.0	0.01	5.04	3.53	3	24	7	96	0.00	0.0	2.583	0.040	0	0	0	3
PL.43106	PL.55946	B	6 A (CWC)	7.20Y	120.0	0.00	5.04	3.53	3	24	7	96	0.00	0.0	2.610	0.028	12	3	2	3
PL.43107	PL.43106	B	6 A (CWC)	7.20Y	120.0	0.00	5.04	1.82	1	13	4	96	0.00	0.0	2.695	0.084	13	4	1	1
PL.56039	PL.55948	B	6 A (CWC)	7.19Y	119.9	0.08	5.11	24.28	17	168	49	96	0.11	0.1	2.622	0.080	14	4	1	20
PL.56038	PL.56039	B	#2 ACSR	7.19Y	119.9	0.00	5.12	2.46	1	17	5	96	0.00	0.0	2.716	0.094	17	5	1	1
PL.56040	PL.56039	B	6 A (CWC)	7.19Y	119.8	0.06	5.17	19.77	14	136	40	96	0.06	0.0	2.691	0.069	11	3	1	18
PL.55856	PL.56040	B	6 A (CWC)	7.19Y	119.8	0.00	5.18	2.67	2	18	5	96	0.00	0.0	2.771	0.080	18	5	1	2
PL.56037	PL.55856	B	6 A (CWC)	7.19Y	119.8	0.00	5.18	0.00	0	0	0	100	0.00	0.0	2.800	0.030	0	0	1	1
PL.55858	PL.56040	B	#2 ACSR	7.19Y	119.8	0.00	5.18	1.68	1	12	3	97	0.00	0.0	2.774	0.082	0	0	0	1
PL.42111	PL.55858	B	#2 ACSR	7.19Y	119.8	0.00	5.18	1.68	1	12	3	97	0.00	0.0	2.878	0.105	12	3	1	1
PL.55857	PL.56040	B	6 A (CWC)	7.19Y	119.8	0.03	5.20	13.83	10	95	28	96	0.02	0.0	2.731	0.040	0	0	0	14
PL.55855	PL.55857	B	6 A (CWC)	7.19Y	119.8	0.01	5.21	13.83	10	95	28	96	0.01	0.0	2.754	0.023	8	2	2	14
PL.55854	PL.55855	B	6 A (CWC)	7.19Y	119.8	0.03	5.24	12.68	9	87	26	96	0.02	0.0	2.815	0.061	35	10	5	12
PL.55853	PL.55854	B	#2 ACSR	7.19Y	119.8	0.00	5.25	2.85	2	20	6	96	0.00	0.0	2.865	0.050	12	4	1	3
PL.63524	PL.55853	B	#1/0 ACSR	7.19Y	119.8	0.00	5.25	1.08	0	7	2	96	0.00	0.0	2.951	0.086	7	2	2	2

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Balanced Voltage Drop Report
Source: Pine Grove 2

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.56029	PL.55854	B	6 A (CWC)	7.18Y	119.7	0.01	5.25	4.82	3	33	10	96	0.00	0.0	2.873	0.058	17	5	1	4
PL.56030	PL.56029	B	6 A (CWC)	7.18Y	119.7	0.00	5.26	2.31	2	16	5	95	0.00	0.0	2.905	0.032	0	0	0	3
PL.55851	PL.56030	B	6 A (CWC)	7.18Y	119.7	0.00	5.26	1.17	1	8	2	97	0.00	0.0	2.953	0.048	8	2	1	2
PL.55850	PL.55851	B	6 A (CWC)	7.18Y	119.7	0.00	5.26	0.02	0	0	0	100	0.00	0.0	3.163	0.211	0	0	1	1
PL.55852	PL.56030	B	#1/0 ACSR	7.18Y	119.7	0.00	5.26	1.14	0	8	2	97	0.00	0.0	2.980	0.075	8	2	1	1
PL.43104	PL.43103	B	#2 ACSR	7.22Y	120.3	0.01	4.69	3.85	2	27	8	96	0.00	0.0	2.391	0.063	5	1	1	2
PL.43105	PL.43104	B	#2 ACSR	7.22Y	120.3	0.00	4.69	3.19	2	22	6	96	0.00	0.0	2.453	0.062	22	6	1	1
PL.55430	PL.43097	ABC	#2 ACSR	7.22Y	120.3	0.10	4.67	52.61	30	1093	324	96	0.82	0.1	2.345	0.073	23	7	1	168
PL.55431	PL.55430	ABC	#2 ACSR	7.22Y	120.3	0.04	4.71	51.49	29	1069	317	96	0.34	0.0	2.376	0.031	17	5	2	167
PL.55428	PL.55431	A	#4 ACSR	7.22Y	120.3	0.00	4.71	1.95	2	14	4	96	0.00	0.0	2.382	0.006	0	0	0	1
PD.6525	PL.55428	A	50QA	7.22Y	120.3	0.00	4.71	1.95	4	14	4	96	0.00	0.0	2.382	0.006	0	0	0	1
PL.55427	PD.6525	A	#4 ACSR	7.22Y	120.3	0.00	4.71	1.95	2	14	4	96	0.00	0.0	2.439	0.056	14	4	1	1
PL.55429	PL.55431	ABC	#2 ACSR	7.21Y	120.2	0.09	4.80	50.02	29	1038	308	96	0.71	0.1	2.447	0.071	29	9	4	164
PL.55687	PL.55429	ABC	#2 ACSR	7.20Y	120.0	0.16	4.95	48.60	28	1008	299	96	1.24	0.1	2.576	0.129	5	2	2	160
PL.55686	PL.55687	ABC	#2 ACSR	7.20Y	119.9	0.10	5.06	36.77	21	762	226	96	0.59	0.1	2.685	0.109	12	3	1	123
PL.43117	PL.55686	ABC	#2 ACSR	7.19Y	119.9	0.08	5.13	33.36	19	691	205	96	0.40	0.1	2.774	0.090	14	4	1	117
PL.43118	PL.43117	ABC	#2 ACSR	7.19Y	119.8	0.10	5.23	32.68	19	676	201	96	0.51	0.1	2.891	0.117	0	0	0	116
PL.43119	PL.43118	ABC	#2 ACSR	7.18Y	119.7	0.08	5.30	32.47	19	671	199	96	0.41	0.1	2.986	0.094	0	0	0	114
PL.43121	PL.43119	ABC	#2 ACSR	7.18Y	119.6	0.08	5.38	30.19	17	624	185	96	0.39	0.1	3.090	0.104	0	0	0	108
PL.43122	PL.43121	ABC	#2 ACSR	7.17Y	119.6	0.05	5.44	30.19	17	623	185	96	0.26	0.0	3.160	0.070	0	0	0	108
PL.55774	PL.43122	ABC	#2 ACSR	7.17Y	119.6	0.00	5.44	0.41	0	8	2	97	0.00	0.0	3.233	0.073	0	0	0	1
PL.55775	PL.55774	ABC	#2 ACSR	7.17Y	119.6	0.00	5.44	0.00	0	0	0	100	0.00	0.0	3.292	0.059	0	0	0	0
PD.6816-B	PL.55775	ABC	Open	7.17Y	119.6	0.00	5.44	0.00	0	0	0	100	0.00	0.0	3.292	0.059	0	0	0	0
PL.55776	PL.55774	C	6 A (CWC)	7.17Y	119.6	0.00	5.44	1.22	1	8	2	97	0.00	0.0	3.237	0.005	0	0	0	1
PD.8225	PL.55776	C	10QA	7.17Y	119.6	0.00	5.44	1.22	0	8	2	97	0.00	0.0	3.237	0.005	0	0	0	1
PL.55777	PD.8225	C	6 A (CWC)	7.17Y	119.6	0.00	5.44	1.22	1	8	2	97	0.00	0.0	3.325	0.087	8	2	1	1
PL.41587	PL.43122	ABC	336 MCM AC	7.17Y	119.6	0.01	5.45	29.78	6	615	182	96	0.03	0.0	3.206	0.047	0	0	0	107
PL.59676	PL.41587	ABC	336 MCM AC	7.17Y	119.6	0.00	5.45	29.78	6	615	182	96	0.00	0.0	3.209	0.003	0	0	0	107
PD.8826	PL.59676	ABC	50L	7.17Y	119.6	0.00	5.45	29.78	68	615	182	96	0.00	0.0	3.209	0.003	0	0	0	107
PL.59677	PD.8826	ABC	336 MCM AC	7.17Y	119.5	0.01	5.46	29.78	6	615	182	96	0.02	0.0	3.237	0.028	0	0	0	107
PL.59672	PL.59677	ABC	336 MCM AC	7.17Y	119.5	0.03	5.48	29.78	6	615	182	96	0.09	0.0	3.360	0.123	0	0	0	107

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Balanced Voltage Drop Report
Source: Pine Grove 2

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PL.59673	PL.59672	ABC	336 MCM AC	7.17Y	119.5	0.00	5.49	2.07	0	43	13	96	0.00	0.0	3.515	0.155	0	0	0	8	
PL.56584	PL.59673	C	6 A (CWC)	7.17Y	119.5	0.00	5.49	6.20	4	43	13	96	0.00	0.0	3.515	0.000	0	0	0	8	
PD.8241	PL.56584	C	20QA	7.17Y	119.5	0.00	5.49	6.20	31	43	13	96	0.00	0.0	3.515	0.000	0	0	0	8	
PL.56587	PD.8241	C	6 A (CWC)	7.17Y	119.5	0.00	5.49	6.20	4	43	13	96	0.00	0.0	3.515	0.000	2	1	1	8	
PL.56588	PL.56587	C	6 A (CWC)	7.17Y	119.5	0.02	5.51	5.93	4	41	12	96	0.01	0.0	3.586	0.070	0	0	0	7	
PL.56586	PL.56588	C	6 A (CWC)	7.17Y	119.5	0.00	5.51	3.76	3	26	8	96	0.00	0.0	3.614	0.029	9	3	1	4	
PL.55778	PL.56586	C	6 A (CWC)	7.17Y	119.5	0.01	5.52	2.47	2	17	5	96	0.00	0.0	3.679	0.065	0	0	0	3	
PL.55779	PL.55778	C	6 A (CWC)	7.17Y	119.5	0.01	5.52	2.47	2	17	5	96	0.00	0.0	3.753	0.073	0	0	0	3	
PL.55780	PL.55779	C	6 A (CWC)	7.17Y	119.5	0.01	5.53	2.47	2	17	5	96	0.00	0.0	3.857	0.105	17	5	3	3	
PL.55781	PL.55780	C	6 A (CWC)	7.17Y	119.5	0.00	5.53	0.00	0	0	0	100	0.00	0.0	3.951	0.093	0	0	0	0	
PL.56585	PL.56588	C	6 A (CWC)	7.17Y	119.5	0.00	5.51	2.16	2	15	4	97	0.00	0.0	3.623	0.037	12	3	2	3	
PL.55802	PL.56585	C	6 A (CWC)	7.17Y	119.5	0.00	5.51	0.46	0	3	1	95	0.00	0.0	3.671	0.048	3	1	1	1	
PL.59675	PL.59672	ABC	336 MCM AC	7.17Y	119.5	0.02	5.51	27.43	5	566	168	96	0.07	0.0	3.474	0.114	0	0	0	98	
PL.43146	PL.59675	ABC	336 MCM AC	7.17Y	119.5	0.01	5.52	27.09	5	559	166	96	0.03	0.0	3.526	0.053	0	0	0	97	
PL.62993	PL.43146	ABC	336 MCM AC	7.17Y	119.5	0.03	5.54	26.45	5	545	162	96	0.08	0.0	3.658	0.131	0	0	0	95	
PL.62994	PL.62993	ABC	336 MCM AC	7.17Y	119.4	0.03	5.58	26.03	5	537	159	96	0.09	0.0	3.822	0.164	11	3	3	94	
PL.55740	PL.62994	ABC	336 MCM AC	7.16Y	119.4	0.03	5.60	25.49	5	525	156	96	0.07	0.0	3.951	0.130	0	0	0	91	
PL.55742	PL.55740	C	#1/0 ACSR	7.16Y	119.4	0.00	5.60	1.32	1	9	2	98	0.00	0.0	3.955	0.004	0	0	0	1	
PD.8223	PL.55742	C	10QA	7.16Y	119.4	0.00	5.60	1.32	0	9	2	98	0.00	0.0	3.955	0.004	0	0	0	1	
PL.55743	PD.8223	C	#1/0 ACSR	7.16Y	119.4	0.00	5.60	1.32	1	9	2	98	0.00	0.0	3.967	0.012	0	0	0	1	
PL.55744	PL.55743	C	1/0 AL URD	7.16Y	119.4	0.00	5.60	1.32	1	9	2	98	0.00	0.0	4.027	0.060	9	3	1	1	
PL.55741	PL.55740	ABC	336 MCM AC	7.16Y	119.3	0.05	5.65	25.05	5	516	153	96	0.14	0.0	4.218	0.267	1	0	1	90	
PL.55739	PL.55741	ABC	336 MCM AC	7.16Y	119.3	0.02	5.68	24.11	5	497	147	96	0.07	0.0	4.354	0.137	8	2	1	86	
PL.43152	PL.55739	B	#2 ACSR	7.16Y	119.3	0.00	5.68	0.00	0	0	0	100	0.00	0.0	4.360	0.006	0	0	0	0	
PD.6773	PL.43152	B	40T	7.16Y	119.3	0.00	5.68	0.00	0	0	0	100	0.00	0.0	4.360	0.006	0	0	0	0	
PL.43153	PD.6773	B	#2 ACSR	7.16Y	119.3	0.00	5.68	0.00	0	0	0	100	0.00	0.0	4.377	0.017	0	0	0	0	
PL.43151	PL.55739	ABC	336 MCM AC	7.16Y	119.3	0.01	5.69	23.72	5	489	144	96	0.03	0.0	4.422	0.068	0	0	0	85	
PL.43154	PL.43151	ABC	336 MCM AC	7.16Y	119.3	0.01	5.70	23.72	5	489	144	96	0.02	0.0	4.465	0.043	0	0	0	85	
PL.43155	PL.43154	ABC	336 MCM AC	7.16Y	119.3	0.03	5.73	23.37	5	481	142	96	0.08	0.0	4.635	0.171	0	0	0	84	
PL.43158	PL.43155	C	6 A (CWC)	7.16Y	119.3	0.01	5.74	31.62	23	217	64	96	0.01	0.0	4.641	0.006	0	0	0	39	
C PD.6774	PL.43158	C	40QA	7.16Y	119.3	0.00	5.74	31.62	79	217	64	96	0.00	0.0	4.641	0.006	0	0	0	39	C

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

Balanced Voltage Drop Report
Source: Pine Grove 2

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.55782	PD.6774	C	6 A (CWC)	7.15Y	119.2	0.06	5.79	31.62	23	217	64	96	0.09	0.0	4.681	0.040	13	4	1	39
PL.55783	PL.55782	C	6 A (CWC)	7.15Y	119.2	0.00	5.79	0.35	0	2	1	89	0.00	0.0	4.707	0.026	0	0	0	3
PL.55785	PL.55783	C	6 A (CWC)	7.15Y	119.2	0.00	5.79	0.35	0	2	1	89	0.00	0.0	4.736	0.029	2	1	3	3
PL.55784	PL.55782	C	6 A (CWC)	7.15Y	119.2	0.00	5.79	0.00	0	0	0	100	0.00	0.0	4.732	0.051	0	0	0	0
PL.57728	PL.55782	C	6 A (CWC)	7.15Y	119.1	0.09	5.88	29.35	21	201	59	96	0.14	0.1	4.749	0.068	3	1	1	35
PL.57729	PL.57728	C	6 A (CWC)	7.14Y	119.0	0.08	5.96	28.84	21	198	58	96	0.12	0.1	4.811	0.061	16	5	1	34
PL.55399	PL.57729	C	6 A (CWC)	7.14Y	119.0	0.05	6.01	25.08	18	172	51	96	0.06	0.0	4.851	0.040	5	2	1	29
PL.60903	PL.55399	C	6 A (CWC)	7.14Y	119.0	0.03	6.03	21.41	15	147	43	96	0.03	0.0	4.877	0.026	0	0	0	26
PL.60904	PL.60903	C	6 A (CWC)	7.14Y	119.0	0.01	6.05	7.99	6	55	16	96	0.00	0.0	4.929	0.052	34	10	10	14
PL.55788	PL.60904	C	6 A (CWC)	7.14Y	119.0	0.00	6.05	3.06	2	21	6	96	0.00	0.0	4.963	0.035	19	6	3	4
PL.55787	PL.55788	C	6 A (CWC)	7.14Y	119.0	0.00	6.05	0.32	0	2	1	89	0.00	0.0	5.038	0.074	2	1	1	1
PL.64375	PL.60903	C	6 A (CWC)	7.14Y	118.9	0.03	6.06	13.42	10	92	27	96	0.02	0.0	4.928	0.051	0	0	0	12
PL.64376	PL.64375	C	6 A (CWC)	7.14Y	118.9	0.00	6.06	13.42	10	92	27	96	0.00	0.0	4.928	0.000	11	3	1	12
PL.60907	PL.64376	C	6 A (CWC)	7.13Y	118.9	0.03	6.10	11.79	8	81	24	96	0.02	0.0	5.000	0.072	22	7	2	11
PL.63247	PL.60907	C	6 A (CWC)	7.13Y	118.9	0.01	6.10	3.13	2	21	6	96	0.00	0.0	5.072	0.072	13	4	2	4
PL.63248	PL.63247	C	6 A (CWC)	7.13Y	118.9	0.00	6.11	1.23	1	8	2	97	0.00	0.0	5.117	0.045	0	0	1	2
PL.55400	PL.63248	C	#4 ACSR	7.13Y	118.9	0.00	6.11	1.23	1	8	2	97	0.00	0.0	5.170	0.052	0	0	0	1
PL.64830	PL.55400	C	#1/0 ACSR	7.13Y	118.9	0.00	6.11	1.23	1	8	2	97	0.00	0.0	5.189	0.020	8	2	1	1
PL.60905	PL.60907	C	6 A (CWC)	7.13Y	118.9	0.00	6.10	3.52	3	24	7	96	0.00	0.0	5.037	0.037	13	4	2	4
PL.53038	PL.60905	C	6 A (CWC)	7.13Y	118.9	0.00	6.10	1.57	1	11	3	96	0.00	0.0	5.059	0.022	11	3	1	2
PL.60973	PL.53038	C	#1/0 ACSR	7.13Y	118.9	0.00	6.10	0.00	0	0	0	100	0.00	0.0	5.073	0.014	0	0	1	1
PL.60906	PL.60907	C	6 A (CWC)	7.13Y	118.9	0.00	6.10	1.90	1	13	4	96	0.00	0.0	5.056	0.056	13	4	1	1
PL.55789	PL.55399	C	#2 ACSR	7.14Y	119.0	0.01	6.01	2.92	2	20	6	96	0.00	0.0	4.941	0.090	8	2	1	2
PL.55906	PL.55789	C	#1/0 ACSR	7.14Y	119.0	0.00	6.01	1.78	1	12	4	95	0.00	0.0	5.015	0.074	12	4	1	1
PL.55786	PL.57729	C	#4 ACSR	7.14Y	119.0	0.00	5.97	1.44	1	10	3	96	0.00	0.0	4.879	0.068	0	0	0	4
PL.52890	PL.55786	C	#4 ACSR	7.14Y	119.0	0.00	5.97	0.60	0	4	1	97	0.00	0.0	4.905	0.026	4	1	3	3
PL.52889	PL.55786	C	#1/0 ACSR	7.14Y	119.0	0.00	5.97	0.85	0	6	2	95	0.00	0.0	4.939	0.060	6	2	1	1
PL.42863	PL.43155	ABC	336 MCM AC	7.16Y	119.3	0.01	5.74	12.61	2	260	77	96	0.01	0.0	4.726	0.090	0	0	0	44
PL.41590	PL.42863	B	#2 ACSR	7.16Y	119.3	0.00	5.74	1.34	1	9	3	95	0.00	0.0	4.762	0.036	9	3	2	2
PL.42864	PL.42863	ABC	336 MCM AC	7.16Y	119.3	0.01	5.74	12.16	2	250	74	96	0.01	0.0	4.819	0.094	0	0	0	42
PL.42742	PL.42864	ABC	336 MCM AC	7.15Y	119.2	0.01	5.75	9.97	2	205	61	96	0.01	0.0	4.912	0.093	0	0	0	36

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Balanced Voltage Drop Report
Source: Pine Grove 2

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.42743	PL.42742	ABC	336 MCM AC	7.15Y	119.2	0.01	5.76	9.97	2	205	61	96	0.01	0.0	5.024	0.112	0	0	0	36
PL.55808	PL.42743	C	1/0 AL URD	7.15Y	119.2	0.00	5.76	2.28	1	16	5	95	0.00	0.0	5.052	0.028	16	5	2	2
PL.59679	PL.42743	ABC	336 MCM AC	7.15Y	119.2	0.01	5.77	9.22	2	190	56	96	0.01	0.0	5.103	0.079	0	0	0	34
PL.59678	PL.59679	ABC	336 MCM AC	7.15Y	119.2	0.01	5.77	9.22	2	190	56	96	0.01	0.0	5.232	0.129	23	7	5	34
PL.59681	PL.59678	A	6 A (CWC)	7.15Y	119.2	0.00	5.77	0.00	0	0	0	100	0.00	0.0	5.234	0.002	0	0	0	0
PL.55928	PL.59678	A	6 A (CWC)	7.15Y	119.2	0.00	5.78	24.27	17	166	49	96	0.00	0.0	5.235	0.003	0	0	0	29
PD.8226	PL.55928	A	35L	7.15Y	119.2	0.00	5.78	24.27	69	166	49	96	0.00	0.0	5.235	0.003	0	0	0	29
PL.55929	PD.8226	A	6 A (CWC)	7.15Y	119.2	0.02	5.80	24.27	17	166	49	96	0.03	0.0	5.257	0.022	0	0	0	29
PL.62975	PL.55929	A	6 A (CWC)	7.14Y	119.1	0.12	5.92	24.27	17	166	49	96	0.15	0.1	5.368	0.111	15	4	2	29
PL.63240	PL.62975	A	#2 ACSR	7.14Y	119.1	0.00	5.92	0.00	0	0	0	100	0.00	0.0	5.452	0.083	0	0	0	0
PL.63243	PL.62975	A	6 A (CWC)	7.14Y	119.0	0.11	6.03	22.13	16	152	45	96	0.13	0.1	5.481	0.112	0	0	0	27
PL.51845	PL.63243	A	6 A (CWC)	7.13Y	118.8	0.20	6.23	20.99	15	144	42	96	0.22	0.1	5.690	0.209	7	2	1	25
PL.63242	PL.51845	A	6 A (CWC)	7.12Y	118.7	0.03	6.27	16.82	12	115	34	96	0.03	0.0	5.734	0.044	0	0	1	21
PL.63239	PL.63242	A	#2 ACSR	7.12Y	118.7	0.00	6.27	1.47	1	10	3	96	0.00	0.0	5.815	0.081	10	3	1	1
PL.63241	PL.63242	A	6 A (CWC)	7.12Y	118.7	0.05	6.31	15.34	11	105	31	96	0.04	0.0	5.797	0.064	0	0	0	19
PL.56087	PL.63241	A	#4 ACSR	7.12Y	118.7	0.00	6.31	1.79	1	12	4	95	0.00	0.0	5.840	0.043	12	4	1	1
PL.56088	PL.63241	A	6 A (CWC)	7.12Y	118.7	0.02	6.33	6.63	5	45	13	96	0.01	0.0	5.862	0.064	0	0	0	11
PL.56172	PL.56088	A	6 A (CWC)	7.12Y	118.6	0.03	6.36	6.63	5	45	13	96	0.01	0.0	5.953	0.092	9	3	2	11
PL.56174	PL.56172	A	6 A (CWC)	7.12Y	118.6	0.00	6.36	0.84	1	6	2	95	0.00	0.0	6.036	0.083	3	1	1	3
PL.56175	PL.56174	A	6 A (CWC)	7.12Y	118.6	0.00	6.36	0.44	0	3	1	95	0.00	0.0	6.072	0.036	3	1	2	2
PL.56086	PL.56172	A	#2 ACSR	7.12Y	118.6	0.00	6.36	2.45	1	17	5	96	0.00	0.0	5.978	0.025	8	2	2	3
PL.56089	PL.56086	A	#2 ACSR	7.12Y	118.6	0.00	6.36	1.27	1	9	3	95	0.00	0.0	6.091	0.113	9	3	1	1
PL.56173	PL.56172	A	6 A (CWC)	7.12Y	118.6	0.01	6.36	2.09	1	14	4	96	0.00	0.0	6.023	0.070	0	0	1	3
PL.56171	PL.56173	A	6 A (CWC)	7.12Y	118.6	0.00	6.36	2.09	1	14	4	96	0.00	0.0	6.063	0.040	14	4	2	2
PL.56170	PL.63241	A	6 A (CWC)	7.12Y	118.6	0.07	6.38	6.92	5	47	14	96	0.03	0.1	6.050	0.253	8	2	1	7
PL.56169	PL.56170	A	6 A (CWC)	7.12Y	118.6	0.01	6.39	5.78	4	39	12	96	0.00	0.0	6.072	0.022	0	0	0	6
PL.41363	PL.56169	A	#2 ACSR	7.12Y	118.6	0.00	6.39	1.50	1	10	3	96	0.00	0.0	6.133	0.061	10	3	1	1
PL.55838	PL.56169	A	#2 ACSR	7.12Y	118.6	0.00	6.39	1.23	1	8	2	97	0.00	0.0	6.163	0.091	8	2	1	1
PL.59391	PL.56169	A	6 A (CWC)	7.12Y	118.6	0.02	6.41	3.05	2	21	6	96	0.00	0.0	6.189	0.117	0	0	1	4
PL.59390	PL.59391	A	#2 ACSR	7.12Y	118.6	0.00	6.41	1.59	1	11	3	96	0.00	0.0	6.313	0.125	11	3	1	1
PL.41549	PL.59390	A	#2 ACSR	7.12Y	118.6	0.00	6.41	0.00	0	0	0	100	0.00	0.0	6.367	0.053	0	0	0	0

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Balanced Voltage Drop Report
Source: Pine Grove 2

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.59389	PL.59391	A	6 A (CWC)	7.12Y	118.6	0.01	6.42	1.41	1	10	3	96	0.00	0.0	6.334	0.145	0	0	0	2
PL.55756	PL.59389	A	#4 ACSR	7.11Y	118.6	0.01	6.42	1.41	1	10	3	96	0.00	0.0	6.432	0.098	0	0	0	2
PL.55758	PL.55756	A	#4 ACSR	7.11Y	118.6	0.00	6.43	1.41	1	10	3	96	0.00	0.0	6.566	0.134	10	3	1	2
PL.55759	PL.55758	A	#4 ACSR	7.11Y	118.6	0.00	6.43	0.01	0	0	0	100	0.00	0.0	6.601	0.035	0	0	1	1
PL.55757	PL.55759	A	#4 ACSR	7.11Y	118.6	0.00	6.43	0.00	0	0	0	100	0.00	0.0	6.650	0.048	0	0	0	0
PL.42891	PL.51845	A	#2 ACSR	7.13Y	118.8	0.00	6.23	3.21	2	22	6	96	0.00	0.0	5.717	0.027	10	3	2	3
PL.42892	PL.42891	A	#2 ACSR	7.13Y	118.8	0.00	6.24	1.80	1	12	4	95	0.00	0.0	5.798	0.082	12	4	1	1
PL.55710	PL.63243	A	#2 ACSR	7.14Y	119.0	0.00	6.04	1.14	1	8	2	97	0.00	0.0	5.578	0.097	8	2	2	2
PL.55711	PL.42864	B	#2 ACSR	7.15Y	119.2	0.02	5.76	6.36	4	44	13	96	0.01	0.0	4.909	0.090	1	0	1	5
PL.55712	PL.55711	B	#2 ACSR	7.15Y	119.2	0.02	5.79	6.17	4	42	12	96	0.01	0.0	5.029	0.120	0	0	0	4
PL.41863	PL.55712	B	#2 ACSR	7.15Y	119.2	0.00	5.79	2.66	2	18	5	96	0.00	0.0	5.059	0.030	18	5	1	1
PL.42740	PL.55712	B	#2 ACSR	7.15Y	119.2	0.00	5.79	3.51	2	24	7	96	0.00	0.0	5.071	0.041	17	5	2	3
PL.42741	PL.42740	B	#2 ACSR	7.15Y	119.2	0.00	5.79	0.99	1	7	2	96	0.00	0.0	5.118	0.048	0	0	0	1
PL.55709	PL.42741	B	#1/0 ACSR	7.15Y	119.2	0.00	5.79	0.99	0	7	2	96	0.00	0.0	5.136	0.017	7	2	1	1
PL.42865	PL.42864	B	6 A (CWC)	7.16Y	119.3	0.00	5.74	0.20	0	1	0	100	0.00	0.0	4.864	0.045	0	0	0	1
PL.42866	PL.42865	B	6 A (CWC)	7.16Y	119.3	0.00	5.74	0.20	0	1	0	100	0.00	0.0	4.916	0.052	1	0	1	1
PL.41814	PL.43155	B	#2 ACSR	7.16Y	119.3	0.00	5.73	0.66	0	5	1	98	0.00	0.0	4.680	0.044	0	0	0	1
PL.63523	PL.41814	B	#1/0 ACSR	7.16Y	119.3	0.00	5.73	0.66	0	5	1	98	0.00	0.0	4.717	0.037	5	1	1	1
PL.43156	PL.43154	B	#2 ACSR	7.16Y	119.3	0.00	5.70	1.07	1	7	2	96	0.00	0.0	4.471	0.006	0	0	0	1
PD.6600	PL.43156	B	40QA	7.16Y	119.3	0.00	5.70	1.07	3	7	2	96	0.00	0.0	4.471	0.006	0	0	0	1
PL.43157	PD.6600	B	#2 ACSR	7.16Y	119.3	0.00	5.70	1.07	1	7	2	96	0.00	0.0	4.501	0.031	7	2	1	1
PL.55738	PL.55741	B	#2 ACSR	7.16Y	119.3	0.00	5.65	1.03	1	7	2	96	0.00	0.0	4.224	0.006	0	0	0	1
PD.6647	PL.55738	B	60QA	7.16Y	119.3	0.00	5.65	1.03	2	7	2	96	0.00	0.0	4.224	0.006	0	0	0	1
PL.43150	PD.6647	B	#2 ACSR	7.16Y	119.3	0.00	5.65	1.03	1	7	2	96	0.00	0.0	4.373	0.150	7	2	1	1
PL.55736	PL.55741	B	#2 ACSR	7.16Y	119.3	0.00	5.65	0.76	0	5	2	93	0.00	0.0	4.260	0.042	5	2	1	1
PL.55737	PL.55741	C	#2 ACSR	7.16Y	119.3	0.00	5.65	0.83	0	6	2	95	0.00	0.0	4.224	0.006	0	0	0	1
PD.6772	PL.55737	C	40QA	7.16Y	119.3	0.00	5.65	0.83	2	6	2	95	0.00	0.0	4.224	0.006	0	0	0	1
PL.43149	PD.6772	C	#2 ACSR	7.16Y	119.3	0.00	5.65	0.83	0	6	2	95	0.00	0.0	4.307	0.083	6	2	1	1
PL.62995	PL.62993	B	1/0 AL URD	7.17Y	119.5	0.00	5.55	1.26	1	9	2	98	0.00	0.0	3.697	0.040	9	3	1	1
PL.43147	PL.43146	A	6 A (CWC)	7.17Y	119.5	0.00	5.52	1.90	1	13	4	96	0.00	0.0	3.532	0.006	0	0	0	2
PD.6684	PL.43147	A	40QA	7.17Y	119.5	0.00	5.52	1.90	5	13	4	96	0.00	0.0	3.532	0.006	0	0	0	2

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

Balanced Voltage Drop Report
Source: Pine Grove 2

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.43148	PD.6684	A	6 A (CWC)	7.17Y	119.5	0.00	5.52	1.90	1	13	4	96	0.00	0.0	3.599	0.067	5	2	1	2
PL.55908	PL.43148	A	6 A (CWC)	7.17Y	119.5	0.00	5.52	1.15	1	8	2	97	0.00	0.0	3.642	0.043	8	2	1	1
PL.43144	PL.59675	B	#2 ACSR	7.17Y	119.5	0.00	5.51	1.01	1	7	2	96	0.00	0.0	3.479	0.006	0	0	0	1
PD.6646	PL.43144	B	40QA	7.17Y	119.5	0.00	5.51	1.01	3	7	2	96	0.00	0.0	3.479	0.006	0	0	0	1
PL.43145	PD.6646	B	#2 ACSR	7.17Y	119.5	0.00	5.51	1.01	1	7	2	96	0.00	0.0	3.509	0.030	7	2	1	1
PL.59674	PL.59672	C	#4 ACSR	7.17Y	119.5	0.00	5.48	0.88	1	6	1	99	0.00	0.0	3.366	0.006	0	0	0	1
PD.6530	PL.59674	C	40QA	7.17Y	119.5	0.00	5.48	0.88	2	6	1	99	0.00	0.0	3.366	0.006	0	0	0	1
PL.55909	PD.6530	C	#4 ACSR	7.17Y	119.5	0.00	5.49	0.88	1	6	1	99	0.00	0.0	3.442	0.076	6	2	1	1
PL.55910	PL.55909	C	1/0 AL URD	7.17Y	119.5	-0.00	5.49	-0.05	0	0	0	100	0.00	0.0	3.542	0.101	0	0	0	0
PL.60889	PL.43121	A	6 A (CWC)	7.18Y	119.6	0.00	5.38	0.00	0	0	0	100	0.00	0.0	3.125	0.035	0	0	0	0
PL.60890	PL.60889	A	6 A (CWC)	7.18Y	119.6	0.00	5.38	0.00	0	0	0	100	0.00	0.0	3.164	0.039	0	0	0	0
PL.43120	PL.43119	B	6 A (CWC)	7.18Y	119.7	0.00	5.31	6.85	5	47	14	96	0.00	0.0	2.991	0.006	0	0	0	6
PD.6529	PL.43120	B	60QA	7.18Y	119.7	0.00	5.31	6.85	11	47	14	96	0.00	0.0	2.991	0.006	0	0	0	6
PL.55767	PD.6529	B	6 A (CWC)	7.18Y	119.7	0.01	5.32	6.85	5	47	14	96	0.00	0.0	3.035	0.044	13	4	1	6
PL.55768	PL.55767	B	6 A (CWC)	7.18Y	119.7	0.03	5.35	4.99	4	34	10	96	0.01	0.0	3.158	0.123	0	0	0	5
PL.55939	PL.55768	B	6 A (CWC)	7.18Y	119.6	0.02	5.36	4.99	4	34	10	96	0.00	0.0	3.263	0.105	24	7	3	5
PL.55940	PL.55939	B	6 A (CWC)	7.18Y	119.6	0.01	5.37	1.45	1	10	3	96	0.00	0.0	3.415	0.152	10	3	2	2
PL.43116	PL.43118	C	#4 ACSR	7.19Y	119.8	0.00	5.23	0.62	0	4	1	97	0.00	0.0	2.897	0.006	0	0	0	2
PD.6528	PL.43116	C	60QA	7.19Y	119.8	0.00	5.23	0.62	1	4	1	97	0.00	0.0	2.897	0.006	0	0	0	2
PL.55769	PD.6528	C	#4 ACSR	7.19Y	119.8	0.00	5.23	0.62	0	4	1	97	0.00	0.0	2.957	0.060	2	1	1	2
PL.55770	PL.55769	C	#4 ACSR	7.19Y	119.8	0.00	5.23	0.26	0	2	1	89	0.00	0.0	3.008	0.052	2	1	1	1
PL.43112	PL.55686	A	6 A (CWC)	7.20Y	119.9	0.00	5.06	8.52	6	59	17	96	0.00	0.0	2.690	0.006	0	0	0	5
PD.6409	PL.43112	A	50QA	7.20Y	119.9	0.00	5.06	8.52	17	59	17	96	0.00	0.0	2.690	0.006	0	0	0	5
PL.55702	PD.6409	A	6 A (CWC)	7.20Y	119.9	0.01	5.07	8.52	6	59	17	96	0.01	0.0	2.722	0.032	4	1	1	5
PL.55703	PL.55702	A	6 A (CWC)	7.19Y	119.9	0.05	5.12	6.54	5	45	13	96	0.02	0.0	2.898	0.176	0	0	0	3
PL.43113	PL.55703	A	6 A (CWC)	7.19Y	119.9	0.01	5.13	6.54	5	45	13	96	0.00	0.0	2.940	0.042	1	0	1	3
PL.41687	PL.43113	A	#4 ACSR	7.19Y	119.8	0.02	5.15	5.90	5	41	12	96	0.01	0.0	3.015	0.075	0	0	0	1
PL.43114	PL.41687	A	1/0 AL URD	7.19Y	119.8	0.00	5.16	5.90	3	41	12	96	0.00	0.0	3.021	0.006	0	0	0	1
PD.6527	PL.43114	A	10QA	7.19Y	119.8	0.00	5.16	5.90	0	41	12	96	0.00	0.0	3.021	0.006	0	0	0	1
PL.43115	PD.6527	A	1/0 AL URD	7.19Y	119.8	0.00	5.16	5.90	3	41	12	96	0.00	0.0	3.039	0.018	41	12	1	1
PL.59989	PL.43113	A	6 A (CWC)	7.19Y	119.9	0.00	5.14	0.57	0	4	1	97	0.00	0.0	3.073	0.133	0	0	0	1

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Balanced Voltage Drop Report
Source: Pine Grove 2

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.60887	PL.59989	A	6 A (CWC)	7.19Y	119.9	0.00	5.14	0.00	0	0	0	100	0.00	0.0	3.140	0.067	0	0	0	0
PL.60888	PL.59989	A	1/0 AL URD	7.19Y	119.9	0.00	5.14	0.57	0	4	1	97	0.00	0.0	3.116	0.043	4	1	1	1
PL.55701	PL.55702	A	#1/0 ACSR	7.20Y	119.9	0.00	5.07	1.46	1	10	3	96	0.00	0.0	2.807	0.085	10	3	1	1
PL.55685	PL.55687	A	6 A (CWC)	7.20Y	120.0	0.00	4.96	5.75	4	40	12	96	0.00	0.0	2.582	0.006	0	0	0	3
PD.6526	PL.55685	A	50QA	7.20Y	120.0	0.00	4.96	5.75	11	40	12	96	0.00	0.0	2.582	0.006	0	0	0	3
PL.55690	PD.6526	A	6 A (CWC)	7.20Y	120.0	0.01	4.96	5.75	4	40	12	96	0.00	0.0	2.636	0.054	31	9	2	3
PL.55691	PL.55690	A	6 A (CWC)	7.20Y	120.0	0.00	4.97	1.23	1	8	2	97	0.00	0.0	2.682	0.046	8	2	1	1
PL.55684	PL.55687	C	6 A (CWC)	7.20Y	120.0	0.01	4.96	28.97	21	200	59	96	0.01	0.0	2.582	0.006	0	0	0	32
PD.6658	PL.55684	C	50QA	7.20Y	120.0	0.00	4.96	28.97	58	200	59	96	0.00	0.0	2.582	0.006	0	0	0	32
PL.55688	PD.6658	C	6 A (CWC)	7.20Y	119.9	0.11	5.07	28.97	21	200	59	96	0.16	0.1	2.669	0.087	21	6	4	32
PL.55689	PL.55688	C	6 A (CWC)	7.19Y	119.8	0.11	5.18	25.88	18	179	52	96	0.15	0.1	2.765	0.095	14	4	1	28
PL.55941	PL.55689	C	#4 ACSR	7.19Y	119.8	0.00	5.18	3.27	3	23	7	96	0.00	0.0	2.791	0.027	23	7	3	3
PL.42535	PL.55689	C	6 A (CWC)	7.18Y	119.7	0.08	5.26	20.65	15	142	42	96	0.08	0.1	2.844	0.080	0	0	0	24
PL.55942	PL.42535	C	6 A (CWC)	7.18Y	119.7	0.08	5.34	19.85	14	137	40	96	0.08	0.1	2.933	0.088	0	0	0	23
PL.55944	PL.55942	C	#4 ACSR	7.18Y	119.7	0.00	5.34	2.84	2	20	6	96	0.00	0.0	2.983	0.050	10	3	2	3
PL.55945	PL.55944	C	#4 ACSR	7.18Y	119.7	0.00	5.34	1.35	1	9	3	95	0.00	0.0	3.017	0.035	9	3	1	1
PL.55943	PL.55942	C	6 A (CWC)	7.18Y	119.6	0.03	5.36	17.01	12	117	34	96	0.02	0.0	2.968	0.035	19	5	3	20
PL.55632	PL.55943	C	6 A (CWC)	7.18Y	119.6	0.02	5.38	14.31	10	99	29	96	0.02	0.0	3.000	0.033	0	0	1	17
PL.55634	PL.55632	C	6 A (CWC)	7.17Y	119.5	0.14	5.52	12.45	9	86	25	96	0.09	0.1	3.239	0.239	0	0	0	15
PL.41302	PL.55634	C	#4 ACSR	7.17Y	119.5	0.00	5.52	0.89	1	6	2	95	0.00	0.0	3.311	0.072	6	2	1	1
PL.43110	PL.55634	C	6 A (CWC)	7.17Y	119.5	0.01	5.54	2.98	2	21	6	96	0.00	0.0	3.341	0.102	0	0	0	3
PL.43111	PL.43110	C	6 A (CWC)	7.17Y	119.5	0.00	5.54	0.57	0	4	1	97	0.00	0.0	3.402	0.060	4	1	1	1
PL.42537	PL.43110	C	#1/0 ACSR	7.17Y	119.5	0.00	5.54	2.41	1	17	5	96	0.00	0.0	3.387	0.046	10	3	1	2
PL.43109	PL.42537	C	#1/0 ACSR	7.17Y	119.5	0.00	5.54	0.94	0	6	2	95	0.00	0.0	3.437	0.049	6	2	1	1
PL.42536	PL.55634	C	#4 ACSR	7.17Y	119.4	0.03	5.55	8.58	7	59	17	96	0.01	0.0	3.331	0.092	20	6	2	11
PL.63767	PL.42536	C	#1/0 ACSR	7.17Y	119.4	0.02	5.57	5.62	2	39	11	96	0.00	0.0	3.497	0.166	6	2	4	9
PL.72565	PL.63767	C	#1/0 ACSR	7.17Y	119.4	0.01	5.58	4.77	2	33	9	96	0.00	0.0	3.567	0.070	9	3	1	5
PL.72566	PL.72565	C	#1/0 ACSR	7.17Y	119.4	0.00	5.58	3.44	1	24	7	96	0.00	0.0	3.567	0.000	12	4	3	4
PL.62982	PL.72566	C	1/0 AL URD	7.17Y	119.4	0.00	5.58	1.64	1	11	3	96	0.00	0.0	3.627	0.060	11	3	1	1
PL.55633	PL.55632	C	#4 ACSR	7.18Y	119.6	0.01	5.39	1.81	1	12	4	95	0.00	0.0	3.151	0.150	12	4	1	1
PL.41445	PL.42535	C	#2 ACSR	7.18Y	119.7	0.00	5.26	0.80	0	5	2	93	0.00	0.0	2.882	0.038	5	2	1	1

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Balanced Voltage Drop Report
Source: Pine Grove 2

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.64744	PL.55693	B	#2 ACSR	7.25Y	120.8	0.00	4.19	1.32	1	9	3	95	0.00	0.0	2.056	0.003	0	0	0	2
PD.9555	PL.64744	B	65T	7.25Y	120.8	0.00	4.19	1.32	0	9	3	95	0.00	0.0	2.056	0.003	0	0	0	2
PL.64745	PD.9555	B	#2 ACSR	7.25Y	120.8	0.00	4.20	1.32	1	9	3	95	0.00	0.0	2.085	0.029	0	0	0	2
PL.63717	PL.64745	B	#2 ACSR	7.25Y	120.8	0.00	4.20	1.32	1	9	3	95	0.00	0.0	2.085	0.000	9	3	2	2
PL.41360	PL.41306	B	6 A (CWC)	7.28Y	121.3	0.00	3.72	6.93	5	48	14	96	0.00	0.0	1.734	0.006	0	0	0	7
PD.6603	PL.41360	B	50QA	7.28Y	121.3	0.00	3.72	6.93	14	48	14	96	0.00	0.0	1.734	0.006	0	0	0	7
PL.41847	PD.6603	B	6 A (CWC)	7.28Y	121.3	0.02	3.73	6.93	5	48	14	96	0.01	0.0	1.790	0.057	7	2	1	7
PL.41848	PL.41847	B	6 A (CWC)	7.27Y	121.2	0.02	3.75	5.86	4	41	12	96	0.00	0.0	1.864	0.074	11	3	2	6
PL.41749	PL.41848	B	6 A (CWC)	7.27Y	121.2	0.01	3.76	4.27	3	30	9	96	0.00	0.0	1.912	0.049	11	3	1	4
PL.41750	PL.41749	B	6 A (CWC)	7.27Y	121.2	0.01	3.76	2.50	2	17	5	96	0.00	0.0	1.967	0.055	5	1	1	2
PL.62981	PL.41750	B	#2 ACSR	7.27Y	121.2	0.01	3.77	1.79	1	12	4	95	0.00	0.0	2.105	0.138	0	0	0	1
PL.63530	PL.62981	B	#2 ACSR	7.27Y	121.2	0.00	3.78	1.79	1	12	4	95	0.00	0.0	2.171	0.066	0	0	0	1
PL.63531	PL.63530	B	#2 ACSR	7.27Y	121.2	0.00	3.78	1.79	1	12	4	95	0.00	0.0	2.238	0.066	12	4	1	1
PL.41294	PL.41750	B	6 A (CWC)	7.27Y	121.2	0.00	3.76	0.00	0	0	0	100	0.00	0.0	1.981	0.014	0	0	0	0
PL.41813	PL.41749	B	6 A (CWC)	7.27Y	121.2	0.00	3.76	0.21	0	1	0	100	0.00	0.0	1.959	0.046	1	0	1	1
PL.41012	PL.60939	A	#4 ACSR	7.29Y	121.5	0.00	3.50	3.59	3	25	7	96	0.00	0.0	1.622	0.006	0	0	0	3
PD.6568	PL.41012	A	65T	7.29Y	121.5	0.00	3.50	3.59	0	25	7	96	0.00	0.0	1.622	0.006	0	0	0	3
PL.41013	PD.6568	A	#4 ACSR	7.29Y	121.5	0.01	3.50	3.59	3	25	7	96	0.00	0.0	1.684	0.063	25	7	3	3
PL.54609	PL.54605	A	#1/0 ACSR	7.35Y	122.5	0.00	2.55	0.96	0	7	2	96	0.00	0.0	1.240	0.003	0	0	0	1
PD.8137	PL.54609	A	65T	7.35Y	122.5	0.00	2.55	0.96	0	7	2	96	0.00	0.0	1.240	0.003	0	0	0	1
PL.54470	PD.8137	A	#1/0 ACSR	7.35Y	122.5	0.00	2.55	0.96	0	7	2	96	0.00	0.0	1.305	0.065	7	2	1	1
PL.56621	PL.54605	C	#4 ACSR	7.35Y	122.5	0.00	2.55	3.22	2	23	7	96	0.00	0.0	1.243	0.007	0	0	0	4
PD.8316	PL.56621	C	65T	7.35Y	122.5	0.00	2.55	3.22	0	23	7	96	0.00	0.0	1.243	0.007	0	0	0	4
PL.56622	PD.8316	C	#4 ACSR	7.35Y	122.4	0.01	2.56	3.22	2	23	7	96	0.00	0.0	1.314	0.071	6	2	2	4
PL.53981	PL.56622	C	#4 ACSR	7.35Y	122.4	0.00	2.56	2.39	2	17	5	96	0.00	0.0	1.367	0.053	17	5	2	2
PL.43001	PL.43000	C	6 A (CWC)	7.40Y	123.4	0.00	1.59	4.89	3	35	10	96	0.00	0.0	0.954	0.006	0	0	0	4
PD.6150	PL.43001	C	65T	7.40Y	123.4	0.00	1.59	4.89	0	35	10	96	0.00	0.0	0.954	0.006	0	0	0	4
PL.54293	PD.6150	C	6 A (CWC)	7.40Y	123.4	0.00	1.60	4.89	3	35	10	96	0.00	0.0	0.969	0.015	35	10	4	4
PL.53677	PL.53676	A	#2 ACSR	7.42Y	123.7	0.00	1.28	2.12	1	15	4	97	0.00	0.0	0.864	0.006	0	0	0	2
PD.6149	PL.53677	A	65T	7.42Y	123.7	0.00	1.28	2.12	0	15	4	97	0.00	0.0	0.864	0.006	0	0	0	2
PL.53679	PD.6149	A	#2 ACSR	7.42Y	123.7	0.00	1.28	2.12	1	15	4	97	0.00	0.0	0.896	0.032	15	4	2	2

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Balanced Voltage Drop Report
Source: Pine Grove 2

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PL.42998	PL.42997	C	#2 ACSR	7.44Y	124.0	0.00	1.05	1.47	1	10	3	96	0.00	0.0	0.795	0.006	0	0	0	2	
PD.6148	PL.42998	C	65T	7.44Y	124.0	0.00	1.05	1.47	0	10	3	96	0.00	0.0	0.795	0.006	0	0	0	2	
PL.42999	PD.6148	C	#2 ACSR	7.44Y	123.9	0.00	1.05	1.47	1	10	3	96	0.00	0.0	0.859	0.064	4	1	1	2	
PL.54291	PL.42999	C	#2 ACSR	7.44Y	123.9	0.00	1.05	0.88	1	6	2	95	0.00	0.0	0.909	0.050	6	2	1	1	
PL.54292	PL.54291	C	#1/0 ACSR	7.44Y	123.9	0.00	1.05	0.00	0	0	0	100	0.00	0.0	0.946	0.037	0	0	0	0	
PL.42738	PL.58929	A	#4 ACSR	7.47Y	124.5	0.00	0.51	1.23	1	9	3	95	0.00	0.0	0.638	0.006	0	0	0	1	
PD.6678	PL.42738	A	65T	7.47Y	124.5	0.00	0.51	1.23	0	9	3	95	0.00	0.0	0.638	0.006	0	0	0	1	
PL.42995	PD.6678	A	#4 ACSR	7.47Y	124.5	0.00	0.51	1.23	1	9	3	95	0.00	0.0	0.738	0.100	9	3	1	1	
PL.41921	PL.41914	A	#4 ACSR	7.49Y	124.8	0.00	0.23	11.64	9	84	24	96	0.00	0.0	0.498	0.006	0	0	0	9	
PD.6715	PL.41921	A	65T	7.49Y	124.8	0.00	0.23	11.64	0	84	24	96	0.00	0.0	0.498	0.006	0	0	0	9	
PL.41922	PD.6715	A	#4 ACSR	7.48Y	124.7	0.08	0.31	11.64	9	84	24	96	0.05	0.1	0.666	0.168	10	3	1	9	
PL.54734	PL.41922	A	#4 ACSR	7.48Y	124.7	0.04	0.35	10.30	8	74	21	96	0.02	0.0	0.748	0.082	0	0	0	8	
PL.54736	PL.54734	A	#1/0 ACSR	7.48Y	124.6	0.00	0.35	8.14	4	59	16	97	0.00	0.0	0.751	0.003	0	0	0	6	
PD.8150	PL.54736	A	60QA	7.48Y	124.6	0.00	0.35	8.14	14	59	16	97	0.00	0.0	0.751	0.003	0	0	0	6	
PL.54739	PD.8150	A	#1/0 ACSR	7.48Y	124.6	0.01	0.36	8.14	4	59	16	97	0.00	0.0	0.839	0.087	18	5	1	6	
PL.54740	PL.54739	A	#1/0 ACSR	7.48Y	124.6	0.04	0.40	5.68	2	41	11	97	0.01	0.0	1.122	0.284	0	0	0	5	
PL.61676	PL.54740	A	1/0 AL URD	7.48Y	124.6	-0.00	0.40	-0.13	0	0	-1	0	0.00	0.0	1.144	0.022	0	0	0	0	
PL.61677	PL.61676	A	1/0 AL URD	7.48Y	124.6	-0.00	0.40	-0.12	0	0	-1	0	0.00	0.0	1.192	0.047	0	0	0	0	
PL.61675	PL.61677	A	1/0 AL URD	7.48Y	124.6	-0.00	0.40	-0.10	0	0	-1	0	0.00	0.0	1.239	0.047	0	0	0	0	
PL.61674	PL.61675	A	1/0 AL URD	7.48Y	124.6	-0.00	0.40	-0.07	0	0	-1	0	0.00	0.0	1.285	0.046	0	0	0	0	
PL.61673	PL.61674	A	1/0 AL URD	7.48Y	124.6	-0.00	0.40	-0.05	0	0	0	100	0.00	0.0	1.310	0.024	0	0	0	0	
P PL.61672	PL.61673	A	1/0 AL URD	7.48Y	124.6	-0.00	0.40	-0.03	0	0	0	100	0.00	0.0	1.364	0.054	0	0	0	0	P
P PL.61671	PL.61672	A	1/0 AL URD	7.48Y	124.6	0.00	0.40	-0.00	0	0	0	100	0.00	0.0	1.370	0.006	0	0	0	0	P
PL.54741	PL.54740	A	6 A (CWC)	7.48Y	124.6	0.01	0.41	5.71	4	41	12	96	0.00	0.0	1.165	0.042	16	5	3	5	
PL.54743	PL.54741	A	6 A (CWC)	7.48Y	124.6	0.00	0.41	3.42	2	25	7	96	0.00	0.0	1.199	0.034	17	5	1	2	
PL.54744	PL.54743	A	6 A (CWC)	7.48Y	124.6	0.00	0.41	1.10	1	8	2	97	0.00	0.0	1.228	0.029	8	2	1	1	
PL.54742	PL.54740	A	6 A (CWC)	7.48Y	124.6	0.00	0.40	0.00	0	0	0	100	0.00	0.0	1.197	0.075	0	0	0	0	
PL.54735	PL.54734	A	#4 ACSR	7.48Y	124.6	0.00	0.35	2.16	2	16	5	95	0.00	0.0	0.763	0.014	16	5	2	2	
PL.63761	Pine Grove 2	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	260.98	50	5558	1894	95	0.02	0.0	0.002	0.002	0	0	0	591	
PL.63762	PL.63761	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	260.98	50	5558	1893	95	0.02	0.0	0.004	0.002	0	0	0	591	

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: Pine Grove 2

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
---------- Feeder No. 2 (River Bend F2) Beginning with Device PD.9482 ----------																				
PD.9482	PL.63762	ABC	400VWE	7.50Y	125.0	0.00	0.00	260.98	0	5558	1893	95	0.00	0.0	0.004	0.002	0	0	0	591
PL.63766	PD.9482	ABC	397 SPACER	7.50Y	124.9	0.05	0.05	260.98	50	5558	1893	95	0.49	0.0	0.059	0.055	0	0	0	591
PL.63763	PL.63766	A	#2 ACSR	7.50Y	124.9	0.00	0.05	2.02	1	15	4	97	0.00	0.0	0.065	0.006	0	0	0	2
PD.9480	PL.63763	A	75QA	7.50Y	124.9	0.00	0.05	2.02	3	15	4	97	0.00	0.0	0.065	0.006	0	0	0	2
PL.63758	PD.9480	A	#2 ACSR	7.50Y	124.9	0.00	0.05	2.02	1	15	4	97	0.00	0.0	0.078	0.013	15	4	1	2
PL.42732	PL.63758	A	#2 ACSR	7.50Y	124.9	0.00	0.05	0.00	0	0	0	100	0.00	0.0	0.090	0.012	0	0	1	1
PL.63765	PL.63766	ABC	397 SPACER	7.49Y	124.9	0.05	0.10	259.72	50	5531	1879	95	0.49	0.0	0.114	0.055	0	0	0	587
PL.63760	PL.63765	ABC	397 SPACER	7.49Y	124.9	0.01	0.11	259.72	50	5530	1874	95	0.07	0.0	0.122	0.008	0	0	0	587
PL.42733	PL.63760	A	#2 ACSR	7.49Y	124.9	0.00	0.11	1.97	1	14	4	96	0.00	0.0	0.128	0.006	0	0	0	3
PD.6408	PL.42733	A	75QA	7.49Y	124.9	0.00	0.11	1.97	3	14	4	96	0.00	0.0	0.128	0.006	0	0	0	3
PL.42734	PD.6408	A	#2 ACSR	7.49Y	124.9	0.00	0.11	1.97	1	14	4	96	0.00	0.0	0.163	0.036	14	4	3	3
PL.42744	PL.63760	ABC	397 SPACER	7.49Y	124.8	0.11	0.22	259.06	50	5516	1869	95	1.05	0.0	0.240	0.118	0	0	0	584
PL.42745	PL.42744	ABC	397 SPACER	7.48Y	124.7	0.04	0.25	256.88	49	5468	1842	95	0.36	0.0	0.282	0.041	7	2	2	580
PL.41299	PL.42745	ABC	397 SPACER	7.48Y	124.7	0.04	0.29	256.56	49	5460	1836	95	0.38	0.0	0.325	0.043	0	0	0	578
PL.41915	PL.41299	ABC	397 SPACER	7.48Y	124.7	0.05	0.34	255.91	49	5446	1827	95	0.45	0.0	0.377	0.052	0	0	0	576
PL.41916	PL.41915	A	#2 ACSR	7.48Y	124.7	0.00	0.34	1.24	1	9	3	95	0.00	0.0	0.383	0.006	0	0	0	2
PD.6140	PL.41916	A	75QA	7.48Y	124.7	0.00	0.34	1.24	2	9	3	95	0.00	0.0	0.383	0.006	0	0	0	2
PL.41917	PD.6140	A	#2 ACSR	7.48Y	124.7	0.00	0.34	1.24	1	9	3	95	0.00	0.0	0.397	0.014	9	3	2	2
PL.41920	PL.41915	ABC	397 SPACER	7.48Y	124.6	0.03	0.37	255.50	49	5437	1819	95	0.26	0.0	0.408	0.031	3	1	1	574
PL.41923	PL.41920	ABC	397 SPACER	7.47Y	124.5	0.14	0.50	255.36	49	5434	1815	95	1.35	0.0	0.565	0.157	0	0	0	573
PL.43038	PL.41923	ABC	336 MCM AC	7.44Y	124.0	0.52	1.02	254.80	49	5420	1796	95	14.15	0.3	0.824	0.259	13	4	2	570
PL.54235	PL.43038	ABC	336 MCM AC	7.43Y	123.8	0.14	1.16	254.22	49	5394	1759	95	3.87	0.1	0.895	0.071	7	2	1	568
PL.54237	PL.54235	ABC	336 MCM AC	7.42Y	123.7	0.16	1.32	253.90	49	5383	1748	95	4.26	0.1	0.974	0.078	2	1	1	567
PL.54236	PL.54237	B	6 A (CWC)	7.42Y	123.7	0.01	1.33	48.26	34	343	102	96	0.03	0.0	0.979	0.006	0	0	0	36
PD.6141	PL.54236	B	40T	7.42Y	123.7	0.00	1.33	48.26	0	343	102	96	0.00	0.0	0.979	0.006	0	0	0	36
PL.43039	PD.6141	B	6 A (CWC)	7.42Y	123.6	0.08	1.41	48.26	34	343	102	96	0.20	0.1	1.016	0.036	14	4	4	36
PL.54240	PL.43039	B	#4 ACSR	7.42Y	123.6	0.00	1.41	3.95	3	28	8	96	0.00	0.0	1.054	0.038	28	8	3	3
PL.43040	PL.43039	B	6 A (CWC)	7.41Y	123.4	0.14	1.55	34.73	25	247	73	96	0.26	0.1	1.105	0.089	0	0	0	26
PL.43041	PL.43040	B	6 A (CWC)	7.40Y	123.4	0.03	1.59	34.73	25	247	73	96	0.06	0.0	1.126	0.021	8	2	1	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: Pine Grove 2

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.43042	PL.43041	B	6 A (CWC)	7.40Y	123.3	0.07	1.65	33.64	24	239	71	96	0.12	0.0	1.169	0.043	0	0	0	25
PL.42091	PL.43042	B	6 A (CWC)	7.39Y	123.2	0.17	1.83	33.64	24	239	71	96	0.30	0.1	1.283	0.114	13	4	2	25
PL.42092	PL.42091	B	6 A (CWC)	7.38Y	123.1	0.11	1.94	31.87	23	226	67	96	0.19	0.1	1.360	0.076	0	0	0	23
PL.41698	PL.42092	B	6 A (CWC)	7.38Y	123.1	0.00	1.94	1.44	1	10	3	96	0.00	0.0	1.383	0.024	10	3	1	1
PL.42093	PL.42092	B	6 A (CWC)	7.37Y	122.9	0.16	2.10	30.43	22	216	64	96	0.25	0.1	1.477	0.117	16	5	1	22
PL.42094	PL.42093	B	6 A (CWC)	7.37Y	122.9	0.04	2.14	28.10	20	199	59	96	0.06	0.0	1.510	0.033	0	0	0	21
PL.54560	PL.42094	B	6 A (CWC)	7.37Y	122.8	0.05	2.19	28.10	20	199	59	96	0.07	0.0	1.550	0.040	30	9	3	21
PL.54561	PL.54560	B	6 A (CWC)	7.37Y	122.8	0.05	2.23	23.80	17	168	50	96	0.06	0.0	1.595	0.045	0	0	0	18
PL.41461	PL.54561	B	#2 ACSR	7.37Y	122.8	0.00	2.24	1.27	1	9	3	95	0.00	0.0	1.667	0.072	9	3	1	1
PL.42095	PL.54561	B	6 A (CWC)	7.36Y	122.7	0.06	2.29	22.53	16	159	47	96	0.07	0.0	1.649	0.054	0	0	0	17
PL.54231	PL.42095	B	6 A (CWC)	7.36Y	122.7	0.00	2.29	1.39	1	10	3	96	0.00	0.0	1.693	0.045	10	3	2	2
PL.54232	PL.42095	B	6 A (CWC)	7.36Y	122.7	0.02	2.31	21.13	15	149	44	96	0.02	0.0	1.673	0.025	21	6	2	15
PL.63249	PL.54232	B	6 A (CWC)	7.36Y	122.7	0.03	2.34	18.15	13	128	38	96	0.02	0.0	1.717	0.043	48	14	6	13
PL.63250	PL.63249	B	6 A (CWC)	7.36Y	122.6	0.01	2.35	11.39	8	80	24	96	0.00	0.0	1.755	0.038	80	24	7	7
PL.54238	PL.43039	B	#4 ACSR	7.41Y	123.6	0.02	1.43	7.59	6	54	16	96	0.01	0.0	1.078	0.062	16	5	2	3
PL.54239	PL.54238	B	#4 ACSR	7.41Y	123.6	0.00	1.43	5.31	4	38	11	96	0.00	0.0	1.093	0.015	38	11	1	1
PL.54263	PL.54237	ABC	336 MCM AC	7.40Y	123.4	0.32	1.64	237.73	46	5033	1636	95	8.14	0.2	1.146	0.172	32	9	3	530
PL.54264	PL.54263	ABC	336 MCM AC	7.39Y	123.2	0.17	1.81	236.24	46	4993	1608	95	4.43	0.1	1.240	0.094	13	4	1	527
PL.42796	PL.54264	A	6 A (CWC)	7.39Y	123.2	0.00	1.81	1.75	1	12	4	95	0.00	0.0	1.246	0.006	0	0	0	2
PD.6142	PL.42796	A	75QA	7.39Y	123.2	0.00	1.81	1.75	2	12	4	95	0.00	0.0	1.246	0.006	0	0	0	2
PL.42839	PD.6142	A	6 A (CWC)	7.39Y	123.2	0.00	1.82	1.75	1	12	4	95	0.00	0.0	1.295	0.050	0	0	0	2
PL.54262	PL.42839	A	8 A (CWC)	7.39Y	123.2	0.00	1.82	1.75	2	12	4	95	0.00	0.0	1.335	0.039	12	4	2	2
PL.42797	PL.54264	C	#2 ACSR	7.39Y	123.2	0.00	1.81	2.21	1	16	5	95	0.00	0.0	1.246	0.006	0	0	0	2
PD.6143	PL.42797	C	75QA	7.39Y	123.2	0.00	1.81	2.21	3	16	5	95	0.00	0.0	1.246	0.006	0	0	0	2
PL.54260	PD.6143	C	#2 ACSR	7.39Y	123.2	0.00	1.82	2.21	1	16	5	95	0.00	0.0	1.297	0.051	4	1	1	2
PL.54261	PL.54260	C	#2 ACSR	7.39Y	123.2	0.00	1.82	1.71	1	12	4	95	0.00	0.0	1.373	0.076	12	4	1	1
PL.54253	PL.54264	ABC	336 MCM AC	7.38Y	123.0	0.17	1.98	234.33	45	4948	1585	95	4.35	0.1	1.334	0.094	13	4	2	522
PL.54254	PL.54253	ABC	336 MCM AC	7.38Y	123.0	0.07	2.05	233.73	45	4931	1572	95	1.69	0.0	1.371	0.037	17	5	1	520
PL.54256	PL.54254	ABC	336 MCM AC	7.37Y	122.9	0.07	2.12	232.94	45	4913	1563	95	1.77	0.0	1.410	0.039	0	0	0	519
PL.54255	PL.54256	A	6 A (CWC)	7.37Y	122.9	0.00	2.12	0.00	0	0	0	100	0.00	0.0	1.459	0.049	0	0	0	0
PL.54259	PL.54256	ABC	336 MCM AC	7.37Y	122.8	0.11	2.23	226.64	44	4777	1519	95	2.72	0.1	1.473	0.063	18	5	1	501

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Balanced Voltage Drop Report
Source: Pine Grove 2

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.54250	PL.54259	ABC	336 MCM AC	7.36Y	122.7	0.09	2.32	225.77	44	4756	1507	95	2.09	0.0	1.522	0.049	9	3	1	500
PL.54205	PL.54250	ABC	336 MCM AC	7.36Y	122.6	0.07	2.38	178.97	34	3762	1211	95	1.28	0.0	1.569	0.047	0	0	0	418
PL.54206	PL.54205	ABC	336 MCM AC	7.35Y	122.5	0.08	2.47	177.86	34	3737	1201	95	1.59	0.0	1.629	0.060	0	0	0	411
PL.42463	PL.54206	ABC	336 MCM AC	7.35Y	122.4	0.10	2.57	173.49	33	3643	1170	95	1.93	0.1	1.705	0.076	22	7	2	403
PL.54241	PL.42463	ABC	336 MCM AC	7.34Y	122.3	0.10	2.67	170.44	33	3577	1147	95	1.78	0.0	1.778	0.073	21	6	2	397
PL.54242	PL.54241	ABC	336 MCM AC	7.34Y	122.3	0.08	2.75	169.45	33	3554	1137	95	1.52	0.0	1.842	0.063	23	7	4	395
PL.54243	PL.54242	ABC	336 MCM AC	7.33Y	122.2	0.08	2.83	168.38	32	3530	1126	95	1.46	0.0	1.903	0.061	19	6	2	391
PL.54245	PL.54243	ABC	336 MCM AC	7.32Y	122.1	0.11	2.94	167.48	32	3509	1117	95	1.99	0.1	1.987	0.084	15	4	2	389
PL.54244	PL.54245	ABC	336 MCM AC	7.32Y	122.0	0.10	3.04	165.72	32	3470	1102	95	1.81	0.1	2.066	0.078	0	0	0	386
PL.54475	PL.54244	ABC	336 MCM AC	7.31Y	121.8	0.12	3.16	164.48	32	3442	1090	95	2.12	0.1	2.159	0.094	38	11	4	380
PL.54476	PL.54475	ABC	336 MCM AC	7.31Y	121.8	0.04	3.20	162.66	31	3402	1074	95	0.67	0.0	2.189	0.030	9	3	1	376
PL.54477	PL.54476	ABC	336 MCM AC	7.31Y	121.8	0.02	3.22	162.22	31	3392	1069	95	0.39	0.0	2.207	0.018	0	0	0	375
PL.43043	PL.54477	ABC	336 MCM AC	7.31Y	121.8	0.01	3.22	162.22	31	3392	1069	95	0.13	0.0	2.213	0.006	0	0	0	375
RG.44	PL.43043	ABC	250kva	7.45Y	124.1	-2.33	0.90	162.22	49	3391	1068	95	percent Boost= 1.88 Tap= 3.0							375
PL.54473	RG.44	ABC	336 MCM AC	7.44Y	124.1	0.03	0.93	159.18	31	3391	1068	95	0.54	0.0	2.238	0.026	23	7	2	375
PL.54512	PL.54473	ABC	336 MCM AC	7.44Y	124.0	0.10	1.03	157.43	30	3354	1056	95	1.69	0.1	2.319	0.081	3	1	2	372
PL.54513	PL.54512	ABC	336 MCM AC	7.44Y	124.0	0.00	1.03	0.37	0	8	2	97	0.00	0.0	2.384	0.065	0	0	0	1
PL.54514	PL.54513	ABC	336 MCM AC	7.44Y	124.0	0.00	1.03	0.00	0	0	0	100	0.00	0.0	2.385	0.001	0	0	0	0
PD.8140-A	PL.54514	ABC	Open	7.44Y	124.0	0.00	1.03	0.00	0	0	0	100	0.00	0.0	2.385	0.001	0	0	0	0
PL.54515	PL.54513	A	#1/0 ACSR	7.44Y	124.0	0.00	1.03	1.12	0	8	2	97	0.00	0.0	2.388	0.004	0	0	0	1
PD.8141	PL.54515	A	10QA	7.44Y	124.0	0.00	1.03	1.12	0	8	2	97	0.00	0.0	2.388	0.004	0	0	0	1
PL.54516	PD.8141	A	#1/0 ACSR	7.44Y	124.0	0.00	1.03	1.12	0	8	2	97	0.00	0.0	2.409	0.021	8	2	1	1
PL.54727	PL.54512	ABC	#3/0 ACSR	7.44Y	123.9	0.04	1.07	106.43	35	2267	708	95	0.59	0.0	2.350	0.031	11	3	1	257
PL.54729	PL.54727	C	#1/0 ACSR	7.44Y	123.9	0.00	1.07	3.77	2	27	8	96	0.00	0.0	2.352	0.002	0	0	0	3
PD.8149	PL.54729	C	20QA	7.44Y	123.9	0.00	1.07	3.77	19	27	8	96	0.00	0.0	2.352	0.002	0	0	0	3
PL.54730	PD.8149	C	#1/0 ACSR	7.44Y	123.9	0.00	1.07	3.77	2	27	8	96	0.00	0.0	2.386	0.033	11	3	2	3
PL.54728	PL.54730	C	#1/0 ACSR	7.44Y	123.9	0.00	1.07	2.19	1	16	5	95	0.00	0.0	2.400	0.014	16	5	1	1
PL.60914	PL.54727	ABC	#1/0 ACSR	7.43Y	123.8	0.10	1.17	104.67	46	2229	697	95	1.48	0.1	2.401	0.051	6	2	1	253
PL.60919	PL.60914	ABC	#1/0 ACSR	7.43Y	123.8	0.05	1.21	100.99	44	2148	672	95	0.67	0.0	2.426	0.025	20	6	1	241
PL.60920	PL.60919	ABC	#1/0 ACSR	7.42Y	123.7	0.09	1.31	100.03	43	2127	665	95	1.37	0.1	2.477	0.051	0	0	0	240
PL.60917	PL.60920	A	#4 ACSR	7.42Y	123.7	0.00	1.31	1.37	1	10	3	96	0.00	0.0	2.483	0.006	0	0	0	1

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

Balanced Voltage Drop Report
Source: Pine Grove 2

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.6412	PL.60917	A	50QA	7.42Y	123.7	0.00	1.31	1.37	3	10	3	96	0.00	0.0	2.483	0.006	0	0	0	1
PL.41834	PD.6412	A	#4 ACSR	7.42Y	123.7	0.00	1.31	1.37	1	10	3	96	0.00	0.0	2.530	0.047	10	3	1	1
PL.60918	PL.60920	ABC	#1/0 ACSR	7.41Y	123.6	0.12	1.43	99.58	43	2116	661	95	1.72	0.1	2.542	0.065	11	3	1	239
PL.41868	PL.60918	ABC	#1/0 ACSR	7.39Y	123.2	0.37	1.79	99.07	43	2104	656	95	5.27	0.3	2.744	0.202	0	0	0	238
PL.42845	PL.41868	ABC	#3/0 ACSR	7.39Y	123.1	0.10	1.89	96.34	32	2040	634	95	1.24	0.1	2.824	0.080	9	3	2	231
PL.42846	PL.42845	ABC	#3/0 ACSR	7.38Y	123.0	0.13	2.02	95.94	32	2030	631	95	1.63	0.1	2.930	0.106	0	0	0	229
PL.42847	PL.42846	ABC	#3/0 ACSR	7.37Y	122.9	0.11	2.13	95.94	32	2029	629	96	1.38	0.1	3.019	0.089	0	0	0	229
PL.42840	PL.42847	B	#1/0 ACSR	7.37Y	122.9	0.00	2.13	4.05	2	29	8	96	0.00	0.0	3.025	0.006	0	0	0	2
PD.6416	PL.42840	B	50QA	7.37Y	122.9	0.00	2.13	4.05	8	29	8	96	0.00	0.0	3.025	0.006	0	0	0	2
PL.54597	PD.6416	B	#1/0 ACSR	7.37Y	122.9	0.00	2.14	4.05	2	29	8	96	0.00	0.0	3.053	0.029	29	8	2	2
PL.54598	PL.54597	B	#1/0 ACSR	7.37Y	122.9	0.00	2.14	0.00	0	0	0	100	0.00	0.0	3.092	0.039	0	0	0	0
PL.42459	PL.54598	B	#4 ACSR	7.37Y	122.9	0.00	2.14	0.00	0	0	0	100	0.00	0.0	3.098	0.006	0	0	0	0
PL.60858	PL.42847	B	#2 ACSR 6/	7.37Y	122.9	0.00	2.13	0.66	0	5	0	100	0.00	0.0	3.060	0.041	0	0	0	1
PL.60309	PL.60858	B	1/0 AL URD	7.37Y	122.9	0.00	2.14	0.66	0	5	0	100	0.00	0.0	3.103	0.043	0	0	0	1
PL.60310	PL.60309	B	1/0 AL URD	7.37Y	122.9	0.00	2.14	0.66	0	5	0	100	0.00	0.0	3.142	0.039	0	0	0	1
PL.60799	PL.60310	B	1/0 AL URD	7.37Y	122.9	0.00	2.14	0.66	0	5	0	100	0.00	0.0	3.182	0.040	0	0	0	1
PL.60800	PL.60799	B	1/0 AL URD	7.37Y	122.9	0.00	2.14	0.66	0	5	0	100	0.00	0.0	3.221	0.039	5	1	1	1
PL.60801	PL.60800	B	1/0 AL URD	7.37Y	122.9	-0.00	2.14	-0.11	0	0	-1	0	0.00	0.0	3.253	0.032	0	0	0	0
PL.60802	PL.60801	B	1/0 AL URD	7.37Y	122.9	-0.00	2.14	-0.09	0	0	-1	0	0.00	0.0	3.302	0.049	0	0	0	0
PL.60803	PL.60802	B	1/0 AL URD	7.37Y	122.9	-0.00	2.14	-0.06	0	0	0	100	0.00	0.0	3.366	0.064	0	0	0	0
PL.60804	PL.60803	B	1/0 AL URD	7.37Y	122.9	-0.00	2.14	-0.03	0	0	0	100	0.00	0.0	3.404	0.038	0	0	0	0
PL.60805	PL.60804	B	1/0 AL URD	7.37Y	122.9	0.00	2.14	-0.01	0	0	0	100	0.00	0.0	3.423	0.019	0	0	0	0
PL.54596	PL.42847	ABC	#3/0 ACSR	7.37Y	122.8	0.03	2.16	94.38	31	1994	618	96	0.36	0.0	3.043	0.024	17	5	4	226
PL.54748	PL.54596	ABC	#3/0 ACSR	7.36Y	122.7	0.10	2.26	93.60	31	1977	613	96	1.22	0.1	3.126	0.084	28	8	4	222
PL.54747	PL.54748	ABC	#3/0 ACSR	7.36Y	122.7	0.06	2.33	87.27	29	1841	572	95	0.72	0.0	3.183	0.056	0	0	0	206
PL.41316	PL.54747	C	#2 ACSR	7.36Y	122.7	0.00	2.33	3.20	2	23	7	96	0.00	0.0	3.188	0.006	0	0	0	2
PD.6664	PL.41316	C	60QA	7.36Y	122.7	0.00	2.33	3.20	5	23	7	96	0.00	0.0	3.188	0.006	0	0	0	2
PL.54722	PD.6664	C	#2 ACSR	7.36Y	122.7	0.00	2.33	3.20	2	23	7	96	0.00	0.0	3.212	0.024	23	7	2	2
PL.41392	PL.54747	ABC	#3/0 ACSR	7.36Y	122.6	0.06	2.38	86.20	29	1818	564	96	0.63	0.0	3.233	0.050	0	0	0	204
PL.41317	PL.41392	B	#2 ACSR	7.36Y	122.6	0.00	2.38	3.01	2	21	6	96	0.00	0.0	3.239	0.006	0	0	0	2
PD.6665	PL.41317	B	40QA	7.36Y	122.6	0.00	2.38	3.01	8	21	6	96	0.00	0.0	3.239	0.006	0	0	0	2

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Balanced Voltage Drop Report
Source: Pine Grove 2

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.41324	PD.6665	B	#2 ACSR	7.36Y	122.6	0.00	2.39	3.01	2	21	6	96	0.00	0.0	3.261	0.022	7	2	1	2
PL.41325	PL.41324	B	#2 ACSR	7.36Y	122.6	0.00	2.39	2.06	1	15	4	97	0.00	0.0	3.326	0.066	15	4	1	1
PL.41326	PL.41325	B	#2 ACSR	7.36Y	122.6	0.00	2.39	0.00	0	0	0	100	0.00	0.0	3.379	0.053	0	0	0	0
PL.41327	PL.41392	ABC	#3/0 ACSR	7.35Y	122.5	0.09	2.48	85.19	28	1796	557	96	1.04	0.1	3.319	0.086	0	0	0	202
PL.41597	PL.41327	ABC	#3/0 ACSR	7.34Y	122.3	0.20	2.68	84.84	28	1787	553	96	2.20	0.1	3.501	0.182	0	0	0	200
PL.41600	PL.41597	ABC	#1/0 ACSR	7.34Y	122.3	0.04	2.72	28.81	13	602	199	95	0.17	0.0	3.577	0.076	10	3	1	61
PL.41332	PL.41600	A	6 A (CWC)	7.34Y	122.3	0.00	2.72	1.85	1	13	4	96	0.00	0.0	3.582	0.006	0	0	0	3
PD.6443	PL.41332	A	20T	7.34Y	122.3	0.00	2.72	1.85	0	13	4	96	0.00	0.0	3.582	0.006	0	0	0	3
PL.42227	PD.6443	A	6 A (CWC)	7.34Y	122.3	0.00	2.72	1.85	1	13	4	96	0.00	0.0	3.671	0.089	13	4	1	3
PL.60900	PL.42227	A	6 A (CWC)	7.34Y	122.3	0.00	2.72	0.02	0	0	0	100	0.00	0.0	3.755	0.084	0	0	2	2
PL.42550	PL.41600	ABC	#1/0 ACSR	7.34Y	122.3	0.02	2.74	27.71	12	579	192	95	0.09	0.0	3.620	0.044	0	0	0	57
PL.54479	PL.42550	A	#2 ACSR	7.34Y	122.3	0.00	2.74	0.94	1	7	2	96	0.00	0.0	3.644	0.023	7	2	2	2
PL.57240	PL.42550	ABC	#1/0 ACSR	7.33Y	122.2	0.04	2.78	27.40	12	572	190	95	0.14	0.0	3.691	0.071	0	0	0	55
PL.57241	PL.57240	ABC	#1/0 ACSR	7.33Y	122.2	0.00	2.78	6.14	3	123	56	91	0.00	0.0	3.722	0.031	0	0	0	2
PL.57247	PL.57241	ABC	1/0 AL URD	7.33Y	122.2	0.00	2.78	5.47	3	108	52	90	0.00	0.0	3.761	0.038	108	53	1	1
PL.57242	PL.57241	A	#1/0 ACSR	7.33Y	122.2	0.00	2.78	2.05	1	14	4	96	0.00	0.0	3.758	0.035	0	0	0	1
PL.41009	PL.57242	A	#4 ACSR	7.33Y	122.2	0.00	2.78	2.05	2	14	4	96	0.00	0.0	3.822	0.065	14	4	1	1
PL.42739	PL.57242	A	6 A (CWC)	7.33Y	122.2	0.00	2.78	0.00	0	0	0	100	0.00	0.0	3.781	0.023	0	0	0	0
PL.58558	PL.57240	A	#4 ACSR	7.33Y	122.2	0.01	2.78	63.91	49	449	133	96	0.03	0.0	3.694	0.003	0	0	0	53
PD.8620	PL.58558	A	40T	7.33Y	122.2	0.00	2.78	63.91	0	449	133	96	0.00	0.0	3.694	0.003	0	0	0	53
PL.58559	PD.8620	A	#4 ACSR	7.33Y	122.1	0.08	2.86	63.91	49	449	133	96	0.26	0.1	3.721	0.027	0	0	0	53
PL.54480	PL.58559	A	#4 ACSR	7.33Y	122.1	0.00	2.87	2.90	2	20	6	96	0.00	0.0	3.794	0.073	20	6	2	3
PL.54481	PL.54480	A	#4 ACSR	7.33Y	122.1	0.00	2.87	0.00	0	0	0	100	0.00	0.0	3.822	0.028	0	0	1	1
PL.57246	PL.58559	A	#1/0 ACSR	7.33Y	122.1	0.05	2.91	61.01	27	429	127	96	0.13	0.0	3.755	0.034	12	3	1	50
PL.57245	PL.57246	A	6 A (CWC)	7.31Y	121.8	0.26	3.17	59.35	42	417	124	96	0.81	0.2	3.850	0.095	1	0	1	49
PL.57243	PL.57245	A	6 A (CWC)	7.31Y	121.8	0.01	3.17	4.62	3	32	10	95	0.00	0.0	3.903	0.053	21	6	2	4
PL.53979	PL.57243	A	6 A (CWC)	7.31Y	121.8	0.00	3.18	1.61	1	11	3	96	0.00	0.0	3.960	0.057	11	3	2	2
PL.57244	PL.57245	A	6 A (CWC)	7.30Y	121.7	0.12	3.28	54.64	39	383	113	96	0.33	0.1	3.896	0.046	0	0	0	44
PL.54487	PL.57244	A	#1/0 ACSR	7.30Y	121.6	0.08	3.36	54.64	24	383	113	96	0.19	0.0	3.956	0.060	8	2	1	44
PL.54604	PL.54487	A	6 A (CWC)	7.30Y	121.6	0.00	3.36	0.00	0	0	0	100	0.00	0.0	3.993	0.038	0	0	0	0
PL.54488	PL.54487	A	6 A (CWC)	7.30Y	121.6	0.06	3.42	53.48	38	374	110	96	0.16	0.0	3.979	0.023	0	0	0	43

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Balanced Voltage Drop Report
Source: Pine Grove 2

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.54489	PL.54488	A	6 A (CWC)	7.29Y	121.6	0.02	3.44	17.18	12	120	35	96	0.02	0.0	4.008	0.029	5	2	1	11
PL.63750	PL.54489	A	#4 ACSR	7.29Y	121.5	0.06	3.50	16.42	13	115	34	96	0.05	0.0	4.103	0.095	25	7	2	10
PL.63751	PL.63750	A	#4 ACSR	7.29Y	121.5	0.02	3.52	11.50	9	80	24	96	0.01	0.0	4.157	0.054	37	11	3	7
PL.54525	PL.63751	A	#4 ACSR	7.29Y	121.5	0.01	3.53	6.25	5	44	13	96	0.00	0.0	4.187	0.030	0	0	0	4
PL.57723	PL.54525	A	#1/0 ACSR	7.29Y	121.5	0.00	3.54	5.11	2	36	11	96	0.00	0.0	4.248	0.060	28	8	1	3
PL.57724	PL.57723	A	#1/0 ACSR	7.29Y	121.5	0.00	3.54	1.06	0	7	2	96	0.00	0.0	4.300	0.053	7	2	2	2
PL.54526	PL.54525	A	#4 ACSR	7.29Y	121.5	0.00	3.53	1.14	1	8	2	97	0.00	0.0	4.280	0.092	8	2	1	1
PL.63752	PL.63750	A	#1/0 ACSR	7.29Y	121.5	0.00	3.50	1.37	1	10	3	96	0.00	0.0	4.119	0.016	10	3	1	1
PL.54485	PL.54488	A	6 A (CWC)	7.29Y	121.4	0.16	3.58	34.09	24	239	70	96	0.29	0.1	4.083	0.104	1	0	1	28
PL.53977	PL.54485	A	6 A (CWC)	7.28Y	121.3	0.13	3.71	33.96	24	237	70	96	0.23	0.1	4.166	0.083	8	2	1	27
PL.54523	PL.53977	A	#4 ACSR	7.28Y	121.3	0.01	3.71	2.77	2	19	6	95	0.00	0.0	4.254	0.088	8	2	1	2
PL.54524	PL.54523	A	#4 ACSR	7.28Y	121.3	0.00	3.72	1.64	1	11	3	96	0.00	0.0	4.332	0.078	11	3	1	1
PL.53978	PL.53977	A	#4 ACSR	7.27Y	121.2	0.10	3.80	30.03	23	210	62	96	0.15	0.1	4.239	0.073	12	4	1	24
PL.54289	PL.53978	A	#4 ACSR	7.27Y	121.1	0.07	3.87	28.27	22	197	58	96	0.10	0.1	4.296	0.057	19	6	3	23
PL.54288	PL.54289	A	#2 ACSR	7.27Y	121.1	0.00	3.87	0.00	0	0	0	100	0.00	0.0	4.329	0.032	0	0	0	0
PL.54290	PL.54289	A	#4 ACSR	7.27Y	121.1	0.05	3.92	25.48	20	178	52	96	0.06	0.0	4.338	0.042	15	4	2	20
PL.63756	PL.54290	A	#4 ACSR	7.26Y	121.1	0.02	3.94	23.29	18	162	48	96	0.02	0.0	4.360	0.022	35	10	3	18
PL.63755	PL.63756	A	#4 ACSR	7.26Y	121.1	0.00	3.94	4.15	3	29	9	96	0.00	0.0	4.411	0.051	29	9	2	2
PL.63757	PL.63756	A	#4 ACSR	7.26Y	121.0	0.03	3.96	14.16	11	99	29	96	0.02	0.0	4.403	0.043	3	1	1	13
PL.53673	PL.63757	A	#4 ACSR	7.26Y	121.0	0.04	4.00	13.73	11	96	28	96	0.03	0.0	4.466	0.063	9	3	1	12
PL.53674	PL.53673	A	#4 ACSR	7.26Y	120.9	0.05	4.05	12.38	10	86	25	96	0.03	0.0	4.574	0.108	20	6	4	11
PL.42983	PL.53674	A	#4 ACSR	7.26Y	120.9	0.03	4.08	9.53	7	66	20	96	0.01	0.0	4.653	0.079	22	7	4	7
PL.42984	PL.42983	A	#4 ACSR	7.25Y	120.9	0.01	4.09	4.25	3	30	9	96	0.00	0.0	4.697	0.044	0	0	0	2
PL.42985	PL.42984	A	#4 ACSR	7.25Y	120.9	0.00	4.09	4.25	3	30	9	96	0.00	0.0	4.723	0.026	12	4	1	2
PL.42986	PL.42985	A	#4 ACSR	7.25Y	120.9	0.00	4.09	2.50	2	17	5	96	0.00	0.0	4.749	0.026	17	5	1	1
PL.41380	PL.42983	A	#2 ACSR	7.26Y	120.9	0.00	4.08	2.08	1	14	4	96	0.00	0.0	4.680	0.027	14	4	1	1
PL.54486	PL.54488	A	#2 ACSR	7.29Y	121.6	0.01	3.43	2.22	1	16	5	95	0.00	0.0	4.236	0.257	8	2	2	4
PL.42699	PL.54486	A	#2 ACSR	7.29Y	121.6	0.00	3.43	1.01	1	7	2	96	0.00	0.0	4.332	0.096	0	0	1	2
PL.42700	PL.42699	A	#2 ACSR	7.29Y	121.6	0.00	3.43	1.01	1	7	2	96	0.00	0.0	4.386	0.054	7	2	1	1
PL.42981	PL.42700	A	#2 ACSR	7.29Y	121.6	0.00	3.43	0.00	0	0	0	100	0.00	0.0	4.418	0.032	0	0	0	0
PL.42982	PL.42981	A	#2 ACSR	7.29Y	121.6	0.00	3.43	0.00	0	0	0	100	0.00	0.0	4.463	0.045	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: Pine Grove 2

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.54185	PL.41597	ABC	#3/0 ACSR	7.34Y	122.3	0.06	2.74	56.04	19	1183	351	96	0.45	0.0	3.586	0.085	11	3	2	139
PL.54186	PL.54185	ABC	#3/0 ACSR	7.33Y	122.2	0.02	2.76	55.52	19	1171	347	96	0.15	0.0	3.615	0.029	0	0	0	137
PL.42484	PL.54186	A	#2 ACSR	7.33Y	122.2	0.00	2.76	0.98	1	7	2	96	0.00	0.0	3.621	0.006	0	0	0	4
PD.6417	PL.42484	A	25QA	7.33Y	122.2	0.00	2.76	0.98	4	7	2	96	0.00	0.0	3.621	0.006	0	0	0	4
PL.54187	PD.6417	A	#2 ACSR	7.33Y	122.2	0.00	2.76	0.98	1	7	2	96	0.00	0.0	3.627	0.006	7	2	4	4
PL.42481	PL.54186	ABC	#3/0 ACSR	7.33Y	122.2	0.06	2.82	55.19	18	1164	345	96	0.44	0.0	3.700	0.085	0	0	0	133
PL.42485	PL.42481	ABC	#3/0 ACSR	7.33Y	122.2	0.00	2.82	55.19	18	1164	345	96	0.03	0.0	3.706	0.006	0	0	0	133
PL.42486	PL.42485	ABC	#3/0 ACSR	7.33Y	122.1	0.05	2.87	55.19	18	1164	344	96	0.34	0.0	3.772	0.066	0	0	0	133
PL.59290	PL.42486	ABC	#3/0 ACSR	7.33Y	122.1	0.00	2.87	0.78	0	16	5	95	0.00	0.0	3.833	0.061	0	0	0	3
PL.59291	PL.59290	ABC	#4/0 ACSR	7.33Y	122.1	0.00	2.87	0.78	0	16	5	95	0.00	0.0	3.838	0.006	0	0	0	3
PD.6706	PL.59291	ABC	65QA	7.33Y	122.1	0.00	2.87	0.78	0	16	5	95	0.00	0.0	3.838	0.006	0	0	0	3
PL.43371	PD.6706	ABC	#4/0 ACSR	7.33Y	122.1	0.00	2.87	0.78	0	16	5	95	0.00	0.0	3.907	0.069	16	5	3	3
PL.59292	PL.59290	ABC	#3/0 ACSR	7.33Y	122.1	0.00	2.87	0.00	0	0	0	100	0.00	0.0	3.898	0.065	0	0	0	0
PD.8678-B	PL.59292	ABC	Open	7.33Y	122.1	0.00	2.87	0.00	0	0	0	100	0.00	0.0	3.898	0.065	0	0	0	0
PL.63662	PL.42486	ABC	#1/0 ACSR	7.32Y	122.0	0.13	3.00	54.42	24	1147	339	96	1.05	0.1	3.905	0.133	0	0	0	130
PL.63663	PL.63662	ABC	#1/0 ACSR	7.32Y	122.0	0.00	3.00	54.42	24	1146	338	96	0.00	0.0	3.905	0.000	22	7	2	130
PL.42487	PL.63663	ABC	#1/0 ACSR	7.32Y	122.0	0.04	3.04	53.35	23	1124	332	96	0.34	0.0	3.950	0.045	9	3	1	128
PL.54176	PL.42487	ABC	#1/0 ACSR	7.31Y	121.9	0.05	3.10	52.93	23	1115	329	96	0.39	0.0	4.003	0.053	20	6	3	127
PL.54174	PL.54176	ABC	#1/0 ACSR	7.31Y	121.9	0.05	3.14	45.67	20	961	283	96	0.30	0.0	4.058	0.055	26	8	4	112
PL.42493	PL.54174	C	#4 ACSR	7.31Y	121.9	0.01	3.15	44.44	34	312	92	96	0.02	0.0	4.063	0.004	0	0	0	35
PL.42494	PL.42493	C	#4 ACSR	7.31Y	121.8	0.01	3.16	44.44	34	312	92	96	0.03	0.0	4.068	0.006	0	0	0	35
PD.6413	PL.42494	C	60QA	7.31Y	121.8	0.00	3.16	44.44	74	312	92	96	0.00	0.0	4.068	0.006	0	0	0	35
PL.43326	PD.6413	C	#4 ACSR	7.31Y	121.8	0.07	3.23	44.44	34	312	92	96	0.15	0.0	4.104	0.036	39	12	4	35
PL.41574	PL.43326	C	#4 ACSR	7.30Y	121.7	0.03	3.26	15.88	12	111	33	96	0.02	0.0	4.158	0.054	41	12	3	13
PL.43352	PL.41574	C	#4 ACSR	7.30Y	121.7	0.01	3.27	10.05	8	70	21	96	0.01	0.0	4.195	0.037	19	6	3	10
PL.43353	PL.43352	C	#4 ACSR	7.30Y	121.7	0.01	3.28	7.36	6	52	15	96	0.00	0.0	4.233	0.038	25	7	3	7
PL.43354	PL.43353	C	#4 ACSR	7.30Y	121.7	0.00	3.29	3.85	3	27	8	96	0.00	0.0	4.272	0.039	27	8	4	4
PL.60923	PL.43354	C	#4 ACSR	7.30Y	121.7	0.00	3.29	0.00	0	0	0	100	0.00	0.0	4.305	0.033	0	0	0	0
PL.43357	PL.41574	C	#4 ACSR	7.30Y	121.7	0.00	3.26	0.00	0	0	0	100	0.00	0.0	4.206	0.047	0	0	0	0
PL.54538	PL.43326	C	#4 ACSR	7.30Y	121.7	0.03	3.26	22.98	18	161	47	96	0.04	0.0	4.143	0.039	46	14	4	18
PL.54539	PL.54538	C	#4 ACSR	7.30Y	121.7	0.02	3.28	16.41	13	115	34	96	0.02	0.0	4.180	0.037	29	9	4	14

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Balanced Voltage Drop Report
Source: Pine Grove 2

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.43350	PL.54539	C	#4 ACSR	7.30Y	121.7	0.02	3.30	12.22	9	86	25	96	0.01	0.0	4.220	0.040	34	10	4	10
PL.43351	PL.43350	C	#4 ACSR	7.30Y	121.7	0.01	3.31	7.34	6	51	15	96	0.00	0.0	4.258	0.038	37	11	4	6
PL.62990	PL.43351	C	#4 ACSR	7.30Y	121.7	0.00	3.31	0.00	0	0	0	100	0.00	0.0	4.260	0.003	0	0	0	0
PL.62991	PL.43351	C	#4 ACSR	7.30Y	121.7	0.00	3.31	2.08	2	15	4	97	0.00	0.0	4.261	0.003	0	0	0	2
PD.9423	PL.62991	C	10T	7.30Y	121.7	0.00	3.31	2.08	0	15	4	97	0.00	0.0	4.261	0.003	0	0	0	2
PL.62992	PD.9423	C	#4 ACSR	7.30Y	121.7	0.00	3.31	2.08	2	15	4	97	0.00	0.0	4.308	0.047	15	4	2	2
PL.43355	PL.54174	ABC	#1/0 ACSR	7.31Y	121.8	0.03	3.17	29.64	13	624	184	96	0.12	0.0	4.110	0.051	9	3	1	73
PL.43356	PL.43355	ABC	#1/0 ACSR	7.31Y	121.8	0.02	3.19	29.23	13	615	181	96	0.09	0.0	4.147	0.038	0	0	0	72
PL.41832	PL.43356	ABC	397 SPACER	7.31Y	121.8	0.00	3.19	28.52	5	600	177	96	0.01	0.0	4.197	0.049	23	7	3	71
PL.64426	PL.41832	ABC	397 SPACER	7.31Y	121.8	0.00	3.20	20.44	4	430	127	96	0.00	0.0	4.250	0.053	0	0	0	51
PL.64427	PL.64426	ABC	397 SPACER	7.31Y	121.8	0.00	3.20	15.72	3	331	97	96	0.00	0.0	4.276	0.026	5	2	1	41
PL.64123	PL.64427	ABC	397 SPACER	7.31Y	121.8	0.00	3.20	15.47	3	325	96	96	0.00	0.0	4.309	0.032	36	10	4	40
PL.64124	PL.64123	A	#4 ACSR	7.31Y	121.8	0.00	3.20	11.67	9	82	24	96	0.00	0.0	4.314	0.006	0	0	0	6
PD.6540	PL.64124	A	50QA	7.31Y	121.8	0.00	3.20	11.67	23	82	24	96	0.00	0.0	4.314	0.006	0	0	0	6
PL.43361	PD.6540	A	#4 ACSR	7.31Y	121.8	0.01	3.21	11.67	9	82	24	96	0.01	0.0	4.349	0.035	52	15	4	6
PL.43362	PL.43361	A	#4 ACSR	7.31Y	121.8	0.01	3.22	4.29	3	30	9	96	0.00	0.0	4.387	0.037	15	4	1	2
PL.43365	PL.43362	A	#4 ACSR	7.31Y	121.8	0.01	3.23	2.14	2	15	4	97	0.00	0.0	4.476	0.089	0	0	0	1
PL.41857	PL.43365	A	#2 ACSR	7.31Y	121.8	0.00	3.23	2.14	1	15	4	97	0.00	0.0	4.522	0.046	15	4	1	1
PL.43366	PL.43365	A	#4 ACSR	7.31Y	121.8	0.00	3.23	0.00	0	0	0	100	0.00	0.0	4.529	0.053	0	0	0	0
PL.64122	PL.64123	ABC	397 SPACER	7.31Y	121.8	0.00	3.20	9.89	2	208	61	96	0.00	0.0	4.365	0.057	11	3	1	30
PL.62513	PL.64122	C	#2 ACSR	7.31Y	121.8	0.00	3.20	23.23	13	163	48	96	0.00	0.0	4.366	0.000	0	0	0	25
PD.9372	PL.62513	C	40T	7.31Y	121.8	0.00	3.20	23.23	0	163	48	96	0.00	0.0	4.366	0.000	0	0	0	25
PL.62514	PD.9372	C	#2 ACSR	7.31Y	121.8	0.00	3.20	23.23	13	163	48	96	0.00	0.0	4.366	0.000	0	0	0	25
PL.62509	PL.62514	C	#2 ACSR	7.31Y	121.8	0.00	3.20	1.27	1	9	3	95	0.00	0.0	4.427	0.061	9	3	1	1
PL.62510	PL.62514	C	#4 ACSR	7.31Y	121.8	0.02	3.22	21.95	17	154	45	96	0.02	0.0	4.383	0.017	1	0	1	24
PL.62512	PL.62510	C	#2 ACSR	7.31Y	121.8	0.01	3.23	21.74	12	152	45	96	0.01	0.0	4.399	0.016	28	8	3	23
PL.41692	PL.62512	C	#2 ACSR	7.31Y	121.8	0.00	3.23	2.62	1	18	5	96	0.00	0.0	4.422	0.023	18	5	2	2
PL.43367	PL.62512	C	#2 ACSR	7.31Y	121.8	0.01	3.23	15.12	9	106	31	96	0.00	0.0	4.414	0.016	20	6	4	18
PL.43368	PL.43367	C	#2 ACSR	7.31Y	121.8	0.00	3.24	9.71	6	68	20	96	0.00	0.0	4.433	0.018	18	5	3	11
PL.43369	PL.43368	C	#2 ACSR	7.31Y	121.8	0.01	3.25	7.12	4	50	15	96	0.00	0.0	4.468	0.035	0	0	0	8
PL.43370	PL.43369	C	#2 ACSR	7.31Y	121.8	0.00	3.25	3.60	2	25	7	96	0.00	0.0	4.508	0.040	25	7	3	3

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

Balanced Voltage Drop Report
Source: Pine Grove 2

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.41443	PL.43369	C	#2 ACSR	7.31Y	121.8	0.00	3.25	3.52	2	25	7	96	0.00	0.0	4.486	0.018	25	7	5	5
PL.41365	PL.43367	C	#2 ACSR	7.31Y	121.8	0.00	3.23	1.31	1	9	3	95	0.00	0.0	4.438	0.023	9	3	2	2
PL.41858	PL.43367	C	#2 ACSR	7.31Y	121.8	0.00	3.23	1.29	1	9	3	95	0.00	0.0	4.432	0.018	9	3	1	1
PL.62511	PL.62510	C	#4 ACSR	7.31Y	121.8	0.00	3.22	0.00	0	0	0	100	0.00	0.0	4.407	0.024	0	0	0	0
PL.62433	PL.64122	A	#4 ACSR	7.31Y	121.8	0.00	3.20	4.92	4	34	10	96	0.00	0.0	4.371	0.006	0	0	0	4
PD.9336	PL.62433	A	40QA	7.31Y	121.8	0.00	3.20	4.92	12	34	10	96	0.00	0.0	4.371	0.006	0	0	0	4
PL.43363	PD.9336	A	#4 ACSR	7.31Y	121.8	0.00	3.20	4.92	4	34	10	96	0.00	0.0	4.385	0.014	7	2	1	4
PL.43364	PL.43363	A	#4 ACSR	7.31Y	121.8	0.00	3.21	3.92	3	27	8	96	0.00	0.0	4.407	0.021	11	3	1	3
PL.43360	PL.43364	A	#4 ACSR	7.31Y	121.8	0.00	3.21	2.35	2	16	5	95	0.00	0.0	4.432	0.025	16	5	2	2
PL.64429	PL.64426	B	#4 ACSR	7.31Y	121.8	0.00	3.20	14.17	11	99	29	96	0.00	0.0	4.254	0.003	0	0	0	10
PD.9540	PL.64429	B	30T	7.31Y	121.8	0.00	3.20	14.17	0	99	29	96	0.00	0.0	4.254	0.003	0	0	0	10
PL.64428	PD.9540	B	#4 ACSR	7.31Y	121.8	0.00	3.20	14.17	11	99	29	96	0.00	0.0	4.254	0.001	10	3	1	10
PL.64121	PL.64428	B	#4 ACSR	7.31Y	121.8	0.02	3.21	12.82	10	90	26	96	0.01	0.0	4.288	0.034	30	9	3	9
PL.42499	PL.64121	B	#4 ACSR	7.31Y	121.8	0.01	3.23	8.52	7	60	18	96	0.01	0.0	4.326	0.038	18	5	2	6
PL.42500	PL.42499	B	#4 ACSR	7.31Y	121.8	0.01	3.24	6.01	5	42	12	96	0.00	0.0	4.363	0.038	8	2	1	4
PL.42501	PL.42500	B	#4 ACSR	7.31Y	121.8	0.01	3.24	4.84	4	34	10	96	0.00	0.0	4.399	0.036	20	6	2	3
PL.42502	PL.42501	B	#4 ACSR	7.31Y	121.8	0.00	3.24	1.94	1	14	4	96	0.00	0.0	4.418	0.019	14	4	1	1
PL.43358	PL.41832	C	#4 ACSR	7.31Y	121.8	0.00	3.19	0.00	0	0	0	100	0.00	0.0	4.202	0.006	0	0	0	0
PL.41361	PL.41832	ABC	397 SPACER	7.31Y	121.8	0.00	3.19	7.01	1	147	43	96	0.00	0.0	4.234	0.037	40	12	6	17
PL.43359	PL.41361	C	#4 ACSR	7.31Y	121.8	0.02	3.21	15.26	12	107	31	96	0.01	0.0	4.268	0.033	48	14	4	11
PL.42498	PL.43359	C	#4 ACSR	7.31Y	121.8	0.01	3.22	8.34	6	58	17	96	0.00	0.0	4.309	0.041	29	8	3	7
PL.60922	PL.42498	C	#4 ACSR	7.31Y	121.8	0.01	3.23	4.26	3	30	9	96	0.00	0.0	4.347	0.039	8	2	1	4
PL.60921	PL.60922	C	#4 ACSR	7.31Y	121.8	0.00	3.23	0.00	0	0	0	100	0.00	0.0	4.385	0.038	0	0	0	0
PL.60925	PL.60922	C	#4 ACSR	7.31Y	121.8	0.00	3.23	3.14	2	22	6	96	0.00	0.0	4.404	0.057	22	6	3	3
PL.60926	PL.60925	C	#4 ACSR	7.31Y	121.8	0.00	3.23	0.00	0	0	0	100	0.00	0.0	4.410	0.006	0	0	0	0
PL.60924	PL.60925	C	#4 ACSR	7.31Y	121.8	0.00	3.23	0.00	0	0	0	100	0.00	0.0	4.453	0.049	0	0	0	0
PL.41323	PL.43356	ABC	#1/0 ACSR	7.31Y	121.8	0.00	3.19	0.71	0	15	4	97	0.00	0.0	4.191	0.044	15	4	1	1
PL.54175	PL.54176	B	#1/0 ACSR	7.31Y	121.9	0.00	3.10	18.90	8	133	39	96	0.00	0.0	4.009	0.006	0	0	0	12
PD.6121	PL.54175	B	40T	7.31Y	121.9	0.00	3.10	18.90	0	133	39	96	0.00	0.0	4.009	0.006	0	0	0	12
PL.42488	PD.6121	B	#1/0 ACSR	7.31Y	121.9	0.01	3.11	18.90	8	133	39	96	0.01	0.0	4.042	0.032	28	8	2	12
PL.54201	PL.42488	B	#1/0 ACSR	7.31Y	121.9	0.02	3.13	14.94	6	105	31	96	0.01	0.0	4.100	0.059	26	8	3	10

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: Pine Grove 2

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.54202	PL.54201	B	#1/0 ACSR	7.31Y	121.9	0.01	3.14	11.19	5	79	23	96	0.01	0.0	4.159	0.059	20	6	2	7
PL.42489	PL.54202	B	#1/0 ACSR	7.31Y	121.8	0.02	3.17	8.32	4	58	17	96	0.01	0.0	4.292	0.133	13	4	2	5
PL.42490	PL.42489	B	#1/0 ACSR	7.31Y	121.8	0.00	3.17	6.49	3	45	13	96	0.00	0.0	4.308	0.016	14	4	1	3
PL.42491	PL.42490	B	#1/0 ACSR	7.31Y	121.8	0.00	3.17	4.47	2	31	9	96	0.00	0.0	4.328	0.020	14	4	1	2
PL.42492	PL.42491	B	#1/0 ACSR	7.31Y	121.8	0.00	3.17	2.49	1	17	5	96	0.00	0.0	4.347	0.019	17	5	1	1
CP.63	PL.42485	ABC	Cap (300)	7.33Y	122.2	0.00	2.82	0.00	0	0	0	100	0.00	0.0	3.706	0.019	0	0	0	0
PL.42482	PL.54186	B	#4 ACSR	7.33Y	122.2	0.00	2.76	0.00	0	0	0	100	0.00	0.0	3.621	0.006	0	0	0	0
PD.6444	PL.42482	B	50QA	7.33Y	122.2	0.00	2.76	0.00	0	0	0	100	0.00	0.0	3.621	0.006	0	0	0	0
PL.42483	PD.6444	B	#4 ACSR	7.33Y	122.2	0.00	2.76	0.00	0	0	0	100	0.00	0.0	3.692	0.072	0	0	0	0
PL.41598	PL.41327	B	6 A (CWC)	7.35Y	122.5	0.00	2.48	1.07	1	8	2	97	0.00	0.0	3.324	0.006	0	0	0	2
PD.6666	PL.41598	B	50QA	7.35Y	122.5	0.00	2.48	1.07	2	8	2	97	0.00	0.0	3.324	0.006	0	0	0	2
PL.41599	PD.6666	B	6 A (CWC)	7.35Y	122.5	0.00	2.48	1.07	1	8	2	97	0.00	0.0	3.360	0.036	8	2	2	2
PL.54749	PL.54748	B	#4 ACSR	7.36Y	122.7	0.00	2.27	6.73	5	48	14	96	0.00	0.0	3.132	0.006	0	0	0	5
PD.6120	PL.54749	B	60QA	7.36Y	122.7	0.00	2.27	6.73	11	48	14	96	0.00	0.0	3.132	0.006	0	0	0	5
PL.54285	PD.6120	B	#4 ACSR	7.36Y	122.7	0.02	2.28	6.73	5	48	14	96	0.00	0.0	3.207	0.075	27	8	3	5
PL.54286	PL.54285	B	#4 ACSR	7.36Y	122.7	0.00	2.28	1.33	1	9	3	95	0.00	0.0	3.241	0.034	9	3	1	1
PL.54287	PL.54285	B	#1/0 ACSR	7.36Y	122.7	0.00	2.28	1.62	1	11	3	96	0.00	0.0	3.276	0.069	11	3	1	1
PL.54750	PL.54748	B	6 A (CWC)	7.36Y	122.7	0.00	2.27	8.33	6	59	17	96	0.00	0.0	3.132	0.006	0	0	0	7
PD.6663	PL.54750	B	60QA	7.36Y	122.7	0.00	2.27	8.33	14	59	17	96	0.00	0.0	3.132	0.006	0	0	0	7
PL.57864	PD.6663	B	6 A (CWC)	7.36Y	122.7	0.02	2.29	8.33	6	59	17	96	0.01	0.0	3.205	0.073	22	7	3	7
PL.57866	PL.57864	B	6 A (CWC)	7.36Y	122.7	0.00	2.29	5.20	4	37	11	96	0.00	0.0	3.219	0.014	5	1	1	4
PL.57865	PL.57866	B	#2 ACSR	7.36Y	122.7	0.00	2.29	1.67	1	12	3	97	0.00	0.0	3.255	0.036	12	3	1	1
PL.57867	PL.57866	B	6 A (CWC)	7.36Y	122.7	0.01	2.30	2.86	2	20	6	96	0.00	0.0	3.275	0.055	0	0	0	2
PL.41017	PL.57867	B	#4 ACSR	7.36Y	122.7	0.00	2.30	2.37	2	17	5	96	0.00	0.0	3.320	0.046	17	5	1	1
PL.42548	PL.57867	B	6 A (CWC)	7.36Y	122.7	0.00	2.30	0.49	0	3	1	95	0.00	0.0	3.308	0.033	3	1	1	1
PL.42549	PL.42548	B	6 A (CWC)	7.36Y	122.7	0.00	2.30	0.00	0	0	0	100	0.00	0.0	3.549	0.241	0	0	0	0
PL.60857	PL.42845	B	#2 ACSR	7.39Y	123.1	-0.00	1.89	-0.20	0	0	-1	0	0.00	0.0	2.852	0.028	0	0	0	0
PL.60812	PL.60857	B	1/0 AL URD	7.39Y	123.1	-0.00	1.89	-0.20	0	0	-1	0	0.00	0.0	2.872	0.020	0	0	0	0
PL.60813	PL.60812	B	1/0 AL URD	7.39Y	123.1	-0.00	1.89	-0.19	0	0	-1	0	0.00	0.0	2.916	0.043	0	0	0	0
PL.60811	PL.60813	B	1/0 AL URD	7.39Y	123.1	-0.00	1.89	-0.16	0	0	-1	0	0.00	0.0	2.980	0.064	0	0	0	0
PL.60810	PL.60811	B	1/0 AL URD	7.39Y	123.1	-0.00	1.89	-0.13	0	0	-1	0	0.00	0.0	3.042	0.062	0	0	0	0

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Balanced Voltage Drop Report
Source: Pine Grove 2

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.60809	PL.60810	B	1/0 AL URD	7.39Y	123.1	-0.00	1.89	-0.09	0	0	-1	0	0.00	0.0	3.065	0.023	0	0	0	0
PL.60808	PL.60809	B	1/0 AL URD	7.39Y	123.1	-0.00	1.89	-0.08	0	0	-1	0	0.00	0.0	3.109	0.044	0	0	0	0
PL.60807	PL.60808	B	1/0 AL URD	7.39Y	123.1	-0.00	1.89	-0.06	0	0	0	100	0.00	0.0	3.178	0.069	0	0	0	0
PL.60806	PL.60807	B	1/0 AL URD	7.39Y	123.1	0.00	1.89	-0.02	0	0	0	100	0.00	0.0	3.219	0.040	0	0	0	0
PL.41329	PL.41868	C	#4 ACSR	7.39Y	123.2	0.00	1.79	1.73	1	12	4	95	0.00	0.0	2.749	0.006	0	0	0	1
PD.6662	PL.41329	C	60QA	7.39Y	123.2	0.00	1.79	1.73	3	12	4	95	0.00	0.0	2.749	0.006	0	0	0	1
PL.41330	PD.6662	C	#4 ACSR	7.39Y	123.2	0.00	1.80	1.73	1	12	4	95	0.00	0.0	2.873	0.124	12	4	1	1
PL.41869	PL.41868	A	#4 ACSR	7.39Y	123.2	0.00	1.79	6.44	5	46	13	96	0.00	0.0	2.749	0.006	0	0	0	6
PD.6119	PL.41869	A	60QA	7.39Y	123.2	0.00	1.79	6.44	11	46	13	96	0.00	0.0	2.749	0.006	0	0	0	6
PL.41331	PD.6119	A	#4 ACSR	7.39Y	123.2	0.01	1.80	6.44	5	46	13	96	0.00	0.0	2.774	0.024	0	0	0	6
PL.41870	PL.41331	A	#4 ACSR	7.39Y	123.2	0.00	1.81	3.23	2	23	7	96	0.00	0.0	2.829	0.055	23	7	2	2
PL.54181	PL.41331	A	#4 ACSR	7.39Y	123.2	0.00	1.80	3.21	2	23	7	96	0.00	0.0	2.817	0.044	23	7	4	4
PL.60915	PL.60914	C	#4 ACSR	7.43Y	123.8	0.00	1.17	2.52	2	18	5	96	0.00	0.0	2.406	0.006	0	0	0	2
PD.6437	PL.60915	C	50QA	7.43Y	123.8	0.00	1.17	2.52	5	18	5	96	0.00	0.0	2.406	0.006	0	0	0	2
PL.41573	PD.6437	C	#4 ACSR	7.43Y	123.8	0.00	1.17	2.52	2	18	5	96	0.00	0.0	2.461	0.055	12	4	1	2
PL.41572	PL.41573	C	#4 ACSR	7.43Y	123.8	0.00	1.17	0.85	1	6	2	95	0.00	0.0	2.501	0.040	6	2	1	1
PL.60916	PL.60914	B	#4 ACSR	7.43Y	123.8	0.01	1.18	7.71	6	55	16	96	0.00	0.0	2.454	0.053	55	16	9	9
PL.59824	PL.54512	ABC	#3/0 ACSR	7.44Y	123.9	0.03	1.05	50.50	17	1074	340	95	0.17	0.0	2.359	0.040	0	0	0	112
PD.8833-A	PL.59824	ABC	Closed	7.44Y	123.9	0.00	1.05	50.50	0	1074	340	95	0.00	0.0	2.359	0.040	0	0	0	112
PD.8833-B	PD.8833-A	ABC	Closed	7.44Y	123.9	0.00	1.05	50.50	0	1074	340	95	0.00	0.0	2.359	0.040	0	0	0	112
PL.63251	PD.8833-B	ABC	#3/0 ACSR	7.44Y	123.9	0.01	1.07	50.50	17	1074	340	95	0.08	0.0	2.378	0.019	22	6	2	112
PL.62974	PL.63251	ABC	#3/0 ACSR	7.43Y	123.9	0.02	1.09	49.48	16	1052	334	95	0.13	0.0	2.410	0.032	0	0	0	110
PL.43045	PL.62974	ABC	#3/0 ACSR	7.43Y	123.9	0.04	1.12	49.48	16	1052	333	95	0.24	0.0	2.467	0.057	0	0	0	110
PL.43254	PL.43045	ABC	#3/0 ACSR	7.43Y	123.9	0.00	1.13	49.48	16	1052	333	95	0.02	0.0	2.473	0.006	0	0	0	110
PD.6806	PL.43254	ABC	70L	7.43Y	123.9	0.00	1.13	49.48	71	1052	333	95	0.00	0.0	2.473	0.006	0	0	0	110
PL.43255	PD.6806	ABC	#3/0 ACSR	7.43Y	123.9	0.01	1.14	49.48	16	1052	333	95	0.08	0.0	2.491	0.018	5	2	1	110
PL.43256	PL.43255	ABC	#3/0 ACSR	7.43Y	123.8	0.03	1.17	49.23	16	1046	331	95	0.20	0.0	2.540	0.049	4	1	1	109
PL.63744	PL.43256	ABC	#3/0 ACSR	7.43Y	123.8	0.06	1.23	48.13	16	1023	324	95	0.38	0.0	2.638	0.098	11	3	2	107
PL.63746	PL.63744	ABC	#3/0 ACSR	7.43Y	123.8	0.02	1.25	47.59	16	1011	320	95	0.10	0.0	2.665	0.026	0	0	0	105
PL.63748	PL.63746	C	1/0 AL URD	7.43Y	123.8	0.00	1.25	1.17	1	8	2	97	0.00	0.0	2.721	0.056	8	2	1	1
PL.63747	PL.63746	ABC	#3/0 ACSR	7.42Y	123.6	0.15	1.39	47.20	16	1002	318	95	0.87	0.1	2.913	0.249	78	23	10	104

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Balanced Voltage Drop Report
Source: Pine Grove 2

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.63745	PL.63747	A	#4 ACSR	7.42Y	123.6	0.00	1.40	11.58	9	82	24	96	0.00	0.0	2.916	0.003	0	0	0	6
PD.8705	PL.63745	A	30T	7.42Y	123.6	0.00	1.40	11.58	0	82	24	96	0.00	0.0	2.916	0.003	0	0	0	6
PL.58521	PD.8705	A	#4 ACSR	7.42Y	123.6	0.01	1.40	11.58	9	82	24	96	0.01	0.0	2.932	0.016	0	0	0	6
PL.58520	PL.58521	A	#4 ACSR	7.41Y	123.6	0.02	1.42	11.58	9	82	24	96	0.01	0.0	2.968	0.037	27	8	1	6
PL.56027	PL.58520	A	#4 ACSR	7.41Y	123.6	0.00	1.42	7.74	6	55	16	96	0.00	0.0	2.986	0.018	28	8	1	5
PL.72560	PL.56027	A	#4 ACSR	7.41Y	123.6	0.00	1.43	3.77	3	27	8	96	0.00	0.0	3.003	0.017	0	0	0	4
PL.72561	PL.72560	A	#4 ACSR	7.41Y	123.6	0.00	1.43	3.77	3	27	8	96	0.00	0.0	3.003	0.000	0	0	0	4
PL.56026	PL.72561	A	#4 ACSR	7.41Y	123.6	0.01	1.43	3.77	3	27	8	96	0.00	0.0	3.044	0.041	0	0	0	4
PL.42888	PL.56026	A	#4 ACSR	7.41Y	123.6	0.01	1.45	1.89	1	13	4	96	0.00	0.0	3.193	0.149	0	0	0	1
PL.63798	PL.42888	A	#1/0 ACSR	7.41Y	123.6	0.00	1.45	1.89	1	13	4	96	0.00	0.0	3.237	0.045	13	4	1	1
PL.56010	PL.56026	A	#4 ACSR	7.41Y	123.6	0.00	1.43	0.01	0	0	0	100	0.00	0.0	3.096	0.052	0	0	0	2
PL.64743	PL.56010	A	#1/0 ACSR	7.41Y	123.6	0.00	1.43	0.01	0	0	0	100	0.00	0.0	3.134	0.038	0	0	2	2
PL.41400	PL.56026	A	#2 ACSR	7.41Y	123.6	0.00	1.43	1.87	1	13	4	96	0.00	0.0	3.074	0.031	13	4	1	1
PL.63743	PL.63747	ABC	#3/0 ACSR	7.41Y	123.6	0.06	1.45	39.70	13	841	270	95	0.28	0.0	3.022	0.108	13	4	1	88
PL.52950	PL.63743	C	6 A (CWC)	7.41Y	123.5	0.00	1.45	1.39	1	10	3	96	0.00	0.0	3.027	0.006	0	0	0	2
PD.6433	PL.52950	C	50QA	7.41Y	123.5	0.00	1.45	1.39	3	10	3	96	0.00	0.0	3.027	0.006	0	0	0	2
PL.57868	PD.6433	C	6 A (CWC)	7.41Y	123.5	0.00	1.45	1.39	1	10	3	96	0.00	0.0	3.096	0.069	10	3	2	2
PL.52983	PL.63743	ABC	#3/0 ACSR	7.41Y	123.5	0.02	1.46	26.34	9	560	172	96	0.05	0.0	3.068	0.046	45	13	5	58
PL.56005	PL.52983	ABC	#3/0 ACSR	7.41Y	123.5	0.02	1.48	24.25	8	515	159	96	0.05	0.0	3.117	0.049	25	7	2	53
PL.56007	PL.56005	ABC	#3/0 ACSR	7.41Y	123.4	0.07	1.55	19.63	7	417	130	95	0.18	0.0	3.412	0.295	20	6	1	45
PL.56008	PL.56007	ABC	#3/0 ACSR	7.40Y	123.4	0.08	1.63	18.01	6	382	120	95	0.18	0.0	3.739	0.327	0	0	0	43
PL.56011	PL.56008	ABC	#3/0 ACSR	7.40Y	123.4	0.01	1.64	16.35	5	348	103	96	0.02	0.0	3.795	0.056	0	0	0	42
PL.56012	PL.56011	ABC	#3/0 ACSR	7.40Y	123.3	0.03	1.67	16.35	5	348	103	96	0.07	0.0	3.952	0.157	0	0	0	42
PL.56013	PL.56012	ABC	#3/0 ACSR	7.40Y	123.3	0.06	1.73	16.35	5	348	103	96	0.12	0.0	4.238	0.287	23	7	2	42
PL.56015	PL.56013	ABC	#3/0 ACSR	7.40Y	123.3	0.00	1.73	0.43	0	9	3	95	0.00	0.0	4.276	0.038	0	0	0	1
PL.53237	PL.56015	ABC	#3/0 ACSR	7.40Y	123.3	0.00	1.73	0.43	0	9	3	95	0.00	0.0	4.324	0.048	9	3	1	1
PL.53236	PL.53237	ABC	#3/0 ACSR	7.40Y	123.3	0.00	1.73	0.00	0	0	0	100	0.00	0.0	4.362	0.037	0	0	0	0
PD.6817-A	PL.53236	ABC	Open	7.40Y	123.3	0.00	1.73	0.00	0	0	0	100	0.00	0.0	4.362	0.037	0	0	0	0
PL.56014	PL.56013	A	#2 ACSR	7.40Y	123.3	0.00	1.73	0.00	0	0	0	100	0.00	0.0	4.244	0.006	0	0	0	0
PD.6436	PL.56014	A	50QA	7.40Y	123.3	0.00	1.73	0.00	0	0	0	100	0.00	0.0	4.244	0.006	0	0	0	0
PL.56031	PD.6436	A	#2 ACSR	7.40Y	123.3	0.00	1.73	0.00	0	0	0	100	0.00	0.0	4.296	0.052	0	0	0	0

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Balanced Voltage Drop Report
Source: Pine Grove 2

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.56032	PL.56031	A	#2 ACSR	7.40Y	123.3	0.00	1.73	0.00	0	0	0	100	0.00	0.0	4.333	0.037	0	0	0	0
PL.56016	PL.56013	A	#1/0 ACSR	7.40Y	123.3	0.01	1.74	44.57	19	316	94	96	0.01	0.0	4.245	0.006	0	0	0	39
PD.9338	PL.56016	A	40T	7.40Y	123.3	0.00	1.74	44.57	0	316	94	96	0.00	0.0	4.245	0.006	0	0	0	39
PL.56017	PD.9338	A	#1/0 ACSR	7.39Y	123.2	0.11	1.85	44.57	19	316	94	96	0.22	0.1	4.350	0.106	5	1	1	39
PL.56019	PL.56017	A	#1/0 ACSR	7.38Y	123.1	0.08	1.93	39.44	17	279	83	96	0.15	0.1	4.440	0.090	0	0	0	36
PL.56023	PL.56019	A	#2 ACSR	7.38Y	123.1	0.00	1.93	1.44	1	10	3	96	0.00	0.0	4.482	0.042	10	3	1	1
PL.56020	PL.56019	A	6 A (CWC)	7.38Y	122.9	0.14	2.07	38.00	27	269	79	96	0.27	0.1	4.527	0.086	33	10	4	35
PL.56021	PL.56020	A	#4 ACSR	7.38Y	122.9	0.00	2.07	0.00	0	0	0	100	0.00	0.0	4.588	0.061	0	0	0	0
PL.56022	PL.56020	A	6 A (CWC)	7.37Y	122.8	0.11	2.18	33.39	24	236	70	96	0.19	0.1	4.602	0.075	19	6	2	31
PL.53227	PL.56022	A	6 A (CWC)	7.36Y	122.7	0.08	2.26	30.65	22	217	64	96	0.12	0.1	4.657	0.055	7	2	1	29
PL.53226	PL.53227	A	6 A (CWC)	7.36Y	122.7	0.02	2.28	12.48	9	88	26	96	0.01	0.0	4.691	0.035	33	10	7	14
PL.43251	PL.53226	A	6 A (CWC)	7.36Y	122.7	0.01	2.29	7.77	6	55	16	96	0.00	0.0	4.731	0.039	30	9	4	7
PL.43252	PL.43251	A	6 A (CWC)	7.36Y	122.7	0.01	2.29	3.51	3	25	7	96	0.00	0.0	4.790	0.059	14	4	2	3
PL.43253	PL.43252	A	6 A (CWC)	7.36Y	122.7	0.00	2.29	1.53	1	11	3	96	0.00	0.0	4.814	0.024	11	3	1	1
PL.53228	PL.53227	A	#4 ACSR	7.36Y	122.7	0.04	2.29	17.13	13	121	36	96	0.03	0.0	4.709	0.053	32	9	3	14
PL.53229	PL.53228	A	#4 ACSR	7.36Y	122.7	0.03	2.32	12.65	10	89	26	96	0.02	0.0	4.768	0.059	19	6	2	11
PL.53230	PL.53229	A	#4 ACSR	7.36Y	122.7	0.02	2.35	9.92	8	70	21	96	0.01	0.0	4.821	0.053	10	3	1	9
PL.53231	PL.53230	A	#4 ACSR	7.36Y	122.6	0.01	2.35	8.56	7	60	18	96	0.00	0.0	4.841	0.020	15	4	2	8
PL.55886	PL.53231	A	#4 ACSR	7.36Y	122.6	0.01	2.37	6.40	5	45	13	96	0.00	0.0	4.908	0.067	26	8	4	6
PL.55887	PL.55886	A	#4 ACSR	7.36Y	122.6	0.00	2.37	2.75	2	19	6	95	0.00	0.0	4.952	0.044	10	3	1	2
PL.53232	PL.55887	A	#4 ACSR	7.36Y	122.6	0.00	2.37	1.31	1	9	3	95	0.00	0.0	4.973	0.020	9	3	1	1
PL.56018	PL.56017	A	#2 ACSR	7.39Y	123.1	0.01	1.85	4.42	3	31	9	96	0.00	0.0	4.393	0.043	0	0	0	2
PL.53234	PL.56018	A	6 A (CWC)	7.39Y	123.1	0.00	1.86	4.42	3	31	9	96	0.00	0.0	4.416	0.023	0	0	0	2
PL.53233	PL.53234	A	#2 ACSR	7.39Y	123.1	0.00	1.86	4.42	3	31	9	96	0.00	0.0	4.463	0.047	31	9	2	2
PL.41010	PL.56012	A	6 A (CWC)	7.40Y	123.3	0.00	1.67	0.00	0	0	0	100	0.00	0.0	4.254	0.302	0	0	0	0
PL.56009	PL.56008	ABC	#3/0 ACSR	7.40Y	123.4	0.00	1.63	1.69	1	34	16	90	0.00	0.0	3.773	0.034	34	16	1	1
PL.41823	PL.56007	A	#4 ACSR	7.41Y	123.4	0.00	1.55	2.08	2	15	4	97	0.00	0.0	3.418	0.006	0	0	0	1
PD.6468	PL.41823	A	50QA	7.41Y	123.4	0.00	1.55	2.08	4	15	4	97	0.00	0.0	3.418	0.006	0	0	0	1
PL.41824	PD.6468	A	#4 ACSR	7.41Y	123.4	0.01	1.56	2.08	2	15	4	97	0.00	0.0	3.536	0.119	15	4	1	1
PL.56006	PL.56005	C	#4 ACSR	7.41Y	123.5	0.00	1.48	10.35	8	74	22	96	0.00	0.0	3.123	0.006	0	0	0	6
PD.6415	PL.56006	C	50QA	7.41Y	123.5	0.00	1.48	10.35	21	74	22	96	0.00	0.0	3.123	0.006	0	0	0	6

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Balanced Voltage Drop Report
Source: Pine Grove 2

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.52980	PD.6415	C	#4 ACSR	7.41Y	123.5	0.01	1.49	10.35	8	74	22	96	0.00	0.0	3.143	0.020	25	7	2	6
PL.52981	PL.52980	C	#4 ACSR	7.41Y	123.5	0.01	1.50	5.08	4	36	11	96	0.00	0.0	3.180	0.037	0	0	0	3
PL.56033	PL.52981	C	#2 ACSR	7.41Y	123.5	0.00	1.50	3.16	2	22	7	95	0.00	0.0	3.210	0.030	10	3	1	2
PL.56035	PL.56033	C	#2 ACSR	7.41Y	123.5	0.00	1.50	1.80	1	13	4	96	0.00	0.0	3.236	0.025	13	4	1	1
PL.52982	PL.52981	C	#4 ACSR	7.41Y	123.5	0.00	1.50	1.92	1	14	4	96	0.00	0.0	3.212	0.032	14	4	1	1
PL.56034	PL.52980	C	#4 ACSR	7.41Y	123.5	0.00	1.49	1.78	1	13	4	96	0.00	0.0	3.188	0.046	13	4	1	1
PL.55879	PL.63743	ABC	#1/0 ACSR	7.41Y	123.5	0.01	1.46	12.31	5	259	90	94	0.01	0.0	3.051	0.029	13	4	1	27
PL.55880	PL.55879	ABC	#1/0 ACSR	7.41Y	123.5	0.00	1.46	11.68	5	245	86	94	0.00	0.0	3.057	0.006	0	0	0	26
PD.6807	PL.55880	ABC	50L	7.41Y	123.5	0.00	1.46	11.68	23	245	86	94	0.00	0.0	3.057	0.006	0	0	0	26
PL.52951	PD.6807	ABC	#1/0 ACSR	7.41Y	123.5	0.01	1.46	11.68	5	245	86	94	0.01	0.0	3.089	0.032	16	5	2	26
PL.52952	PL.52951	ABC	#1/0 ACSR	7.41Y	123.5	0.01	1.47	10.96	5	230	82	94	0.01	0.0	3.130	0.042	26	8	3	24
PL.42889	PL.52952	ABC	#1/0 ACSR	7.41Y	123.5	0.01	1.48	9.76	4	204	74	94	0.01	0.0	3.185	0.054	0	0	0	21
PL.42890	PL.42889	B	#2 ACSR	7.41Y	123.5	0.00	1.48	2.32	1	17	5	96	0.00	0.0	3.190	0.006	0	0	0	3
PD.6434	PL.42890	B	40QA	7.41Y	123.5	0.00	1.48	2.32	6	17	5	96	0.00	0.0	3.190	0.006	0	0	0	3
PL.55865	PD.6434	B	#2 ACSR	7.41Y	123.5	0.00	1.48	2.32	1	17	5	96	0.00	0.0	3.210	0.020	17	5	3	3
PL.55866	PL.55865	B	#2 ACSR	7.41Y	123.5	0.00	1.48	0.00	0	0	0	100	0.00	0.0	3.236	0.026	0	0	0	0
PL.55863	PL.42889	ABC	#1/0 ACSR	7.41Y	123.5	0.01	1.49	8.98	4	187	69	94	0.01	0.0	3.228	0.043	14	4	2	18
PL.55864	PL.55863	ABC	#1/0 ACSR	7.41Y	123.5	0.02	1.51	8.32	4	173	65	94	0.02	0.0	3.339	0.111	9	3	1	16
PL.41825	PL.55864	ABC	#1/0 ACSR	7.41Y	123.5	0.01	1.52	7.89	3	164	62	94	0.02	0.0	3.439	0.099	0	0	0	15
PL.42769	PL.41825	B	#2 ACSR	7.41Y	123.5	0.00	1.52	5.52	3	39	12	96	0.00	0.0	3.445	0.006	0	0	0	5
PD.6431	PL.42769	B	40QA	7.41Y	123.5	0.00	1.52	5.52	14	39	12	96	0.00	0.0	3.445	0.006	0	0	0	5
PL.42770	PD.6431	B	#2 ACSR	7.41Y	123.5	0.01	1.53	5.52	3	39	12	96	0.00	0.0	3.496	0.051	29	9	3	5
PL.42771	PL.42770	B	#2 ACSR	7.41Y	123.5	0.00	1.53	1.37	1	10	3	96	0.00	0.0	3.524	0.028	4	1	1	2
PL.42772	PL.42771	B	#2 ACSR	7.41Y	123.5	0.00	1.53	0.83	0	6	2	95	0.00	0.0	3.562	0.038	6	2	1	1
PL.42773	PL.41825	ABC	#1/0 ACSR	7.41Y	123.5	0.01	1.53	6.06	3	125	51	93	0.01	0.0	3.522	0.083	3	1	1	10
PL.42774	PL.42773	B	#2 ACSR	7.41Y	123.5	0.00	1.53	0.43	0	3	1	95	0.00	0.0	3.527	0.006	0	0	0	2
PD.6435	PL.42774	B	40QA	7.41Y	123.5	0.00	1.53	0.43	1	3	1	95	0.00	0.0	3.527	0.006	0	0	0	2
PL.42775	PD.6435	B	#2 ACSR	7.41Y	123.5	0.00	1.53	0.43	0	3	1	95	0.00	0.0	3.723	0.195	3	1	2	2
PL.53243	PL.42773	ABC	#1/0 ACSR	7.41Y	123.5	0.01	1.54	5.79	3	119	49	92	0.00	0.0	3.574	0.053	20	6	3	7
PL.53244	PL.53243	ABC	#1/0 ACSR	7.41Y	123.5	0.01	1.54	4.87	2	99	43	92	0.00	0.0	3.722	0.148	73	35	1	4
PL.53241	PL.53244	ABC	#1/0 ACSR	7.41Y	123.5	0.00	1.55	1.22	1	26	8	96	0.00	0.0	3.889	0.167	13	4	1	3

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Balanced Voltage Drop Report
Source: Pine Grove 2

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.53242	PL.53241	ABC	#1/0 ACSR	7.41Y	123.5	0.00	1.55	0.63	0	13	4	96	0.00	0.0	3.957	0.068	10	3	1	2
PL.53240	PL.53242	ABC	#1/0 ACSR	7.41Y	123.5	0.00	1.55	0.17	0	4	1	97	0.00	0.0	4.010	0.052	4	1	1	1
PL.43257	PL.43256	C	#4 ACSR	7.43Y	123.8	0.00	1.17	2.80	2	20	6	96	0.00	0.0	2.546	0.006	0	0	0	1
PD.6763	PL.43257	C	50QA	7.43Y	123.8	0.00	1.17	2.80	6	20	6	96	0.00	0.0	2.546	0.006	0	0	0	1
PL.43258	PD.6763	C	#4 ACSR	7.43Y	123.8	0.00	1.18	2.80	2	20	6	96	0.00	0.0	2.619	0.073	20	6	1	1
PL.43046	PL.62974	A	#4 ACSR	7.43Y	123.9	0.00	1.09	0.00	0	0	0	100	0.00	0.0	2.416	0.006	0	0	0	0
PD.6432	PL.43046	A	60QA	7.43Y	123.9	0.00	1.09	0.00	0	0	0	100	0.00	0.0	2.416	0.006	0	0	0	0
PL.54160	PD.6432	A	#4 ACSR	7.43Y	123.9	0.00	1.09	0.00	0	0	0	100	0.00	0.0	2.445	0.030	0	0	0	0
PL.54474	PL.54473	B	#2 ACSR	7.44Y	124.1	0.00	0.93	2.09	1	15	4	97	0.00	0.0	2.244	0.006	0	0	0	1
PD.6430	PL.54474	B	60QA	7.44Y	124.1	0.00	0.93	2.09	3	15	4	97	0.00	0.0	2.244	0.006	0	0	0	1
PL.43044	PD.6430	B	#2 ACSR	7.44Y	124.1	0.00	0.93	2.09	1	15	4	97	0.00	0.0	2.279	0.035	15	4	1	1
PL.42710	PL.54244	C	6 A (CWC)	7.32Y	122.0	0.00	3.04	0.00	0	0	0	100	0.00	0.0	2.071	0.006	0	0	0	1
PD.6429	PL.42710	C	50QA	7.32Y	122.0	0.00	3.04	0.00	0	0	0	100	0.00	0.0	2.071	0.006	0	0	0	1
PL.42711	PD.6429	C	6 A (CWC)	7.32Y	122.0	0.00	3.04	0.00	0	0	0	100	0.00	0.0	2.205	0.134	0	0	1	1
PL.42712	PL.54244	B	6 A (CWC)	7.32Y	122.0	0.00	3.04	3.72	3	26	8	96	0.00	0.0	2.071	0.006	0	0	0	5
PD.6660	PL.42712	B	75QA	7.32Y	122.0	0.00	3.04	3.72	5	26	8	96	0.00	0.0	2.071	0.006	0	0	0	5
PL.42713	PD.6660	B	6 A (CWC)	7.32Y	121.9	0.01	3.05	3.72	3	26	8	96	0.00	0.0	2.149	0.078	0	0	0	5
PL.54655	PL.42713	B	6 A (CWC)	7.32Y	121.9	0.00	3.05	2.38	2	17	5	96	0.00	0.0	2.187	0.038	17	5	4	4
PL.42714	PL.42713	B	6 A (CWC)	7.32Y	121.9	0.00	3.06	1.34	1	9	3	95	0.00	0.0	2.230	0.081	9	3	1	1
PL.54246	PL.54245	B	#2 ACSR	7.32Y	122.1	0.00	2.94	3.09	2	22	6	96	0.00	0.0	1.993	0.006	0	0	0	1
PD.6511	PL.54246	B	20QA	7.32Y	122.1	0.00	2.94	3.09	15	22	6	96	0.00	0.0	1.993	0.006	0	0	0	1
PL.42708	PD.6511	B	#2 ACSR	7.32Y	122.1	0.00	2.94	3.09	2	22	6	96	0.00	0.0	2.024	0.031	0	0	0	1
PL.42709	PL.42708	B	#2 ACSR	7.32Y	122.1	0.00	2.94	3.09	2	22	6	96	0.00	0.0	2.041	0.017	22	6	1	1
PL.42464	PL.42463	A	#4 ACSR	7.35Y	122.4	0.00	2.57	5.98	5	42	12	96	0.00	0.0	1.711	0.006	0	0	0	4
PD.6428	PL.42464	A	75QA	7.35Y	122.4	0.00	2.57	5.98	8	42	12	96	0.00	0.0	1.711	0.006	0	0	0	4
PL.42465	PD.6428	A	#4 ACSR	7.35Y	122.4	0.01	2.58	5.98	5	42	12	96	0.00	0.0	1.759	0.048	26	8	2	4
PL.54247	PL.42465	A	#4 ACSR	7.35Y	122.4	0.00	2.58	2.28	2	16	5	95	0.00	0.0	1.807	0.048	11	3	1	2
PL.54248	PL.54247	A	#4 ACSR	7.35Y	122.4	0.00	2.58	0.74	1	5	2	93	0.00	0.0	1.852	0.045	5	2	1	1
PL.42461	PL.54206	C	6 A (CWC)	7.35Y	122.5	0.00	2.47	11.43	8	81	24	96	0.00	0.0	1.635	0.006	0	0	0	6
PD.6661	PL.42461	C	75QA	7.35Y	122.5	0.00	2.47	11.43	15	81	24	96	0.00	0.0	1.635	0.006	0	0	0	6
PL.54492	PD.6661	C	6 A (CWC)	7.35Y	122.5	0.01	2.47	11.43	8	81	24	96	0.00	0.0	1.647	0.012	21	6	1	6

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Balanced Voltage Drop Report
Source: Pine Grove 2

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PL.54493	PL.54492	C	6 A (CWC)	7.35Y	122.5	0.01	2.48	8.41	6	59	17	96	0.00	0.0	1.675	0.028	16	5	1	5	
PL.54491	PL.54493	C	6 A (CWC)	7.35Y	122.5	0.01	2.49	4.79	3	34	10	96	0.00	0.0	1.728	0.053	34	10	3	3	
PL.54494	PL.54493	C	#1/0 ACSR	7.35Y	122.5	0.00	2.48	1.35	1	10	3	96	0.00	0.0	1.689	0.014	10	3	1	1	
PL.42462	PL.54206	A	6 A (CWC)	7.35Y	122.5	0.00	2.47	1.69	1	12	4	95	0.00	0.0	1.635	0.006	0	0	0	2	
PD.6427	PL.42462	A	75QA	7.35Y	122.5	0.00	2.47	1.69	2	12	4	95	0.00	0.0	1.635	0.006	0	0	0	2	
PL.54249	PD.6427	A	6 A (CWC)	7.35Y	122.5	0.00	2.47	1.69	1	12	4	95	0.00	0.0	1.673	0.039	12	4	2	2	
PL.54207	PL.54205	B	#1/0 ACSR	7.36Y	122.6	0.00	2.38	3.33	1	23	7	96	0.00	0.0	1.592	0.023	23	7	7	7	
PL.54208	PL.54207	B	#1/0 ACSR	7.36Y	122.6	0.00	2.38	0.00	0	0	0	100	0.00	0.0	1.633	0.041	0	0	0	0	
C PL.53683	PL.54250	B	6 A (CWC)	7.35Y	122.6	0.11	2.43	139.18	99	983	289	96	0.83	0.1	1.539	0.018	0	0	0	81	C
C PL.53684	PL.53683	B	6 A (CWC)	7.35Y	122.5	0.04	2.47	139.18	99	982	288	96	0.27	0.0	1.545	0.006	0	0	0	81	C
C PD.6717	PL.53684	B	50QA	7.35Y	122.5	0.00	2.47	139.18	278	982	288	96	0.00	0.0	1.545	0.006	0	0	0	81	C
C PL.54483	PD.6717	B	6 A (CWC)	7.34Y	122.4	0.13	2.60	139.18	99	982	288	96	0.96	0.1	1.566	0.021	15	4	2	81	C
PL.54484	PL.54483	B	#4 ACSR	7.34Y	122.4	0.01	2.61	7.78	6	55	16	96	0.00	0.0	1.592	0.026	0	0	0	5	
PL.54178	PL.54484	B	#2 ACSR	7.34Y	122.4	0.00	2.61	1.52	1	11	3	96	0.00	0.0	1.622	0.030	11	3	1	1	
PL.54179	PL.54484	B	#4 ACSR	7.34Y	122.4	0.01	2.61	6.26	5	44	13	96	0.00	0.0	1.616	0.024	17	5	2	4	
PL.54180	PL.54179	B	#4 ACSR	7.34Y	122.4	0.00	2.61	3.83	3	27	8	96	0.00	0.0	1.646	0.029	27	8	2	2	
C PL.54482	PL.54483	B	6 A (CWC)	7.32Y	122.0	0.45	3.05	129.32	92	911	267	96	3.09	0.3	1.642	0.076	0	0	0	74	C
PL.42869	PL.54482	B	6 A (CWC)	7.31Y	121.9	0.10	3.15	34.96	25	245	72	96	0.18	0.1	1.702	0.060	0	0	0	27	
PL.54517	PL.42869	B	#2 ACSR	7.31Y	121.9	0.00	3.15	1.46	1	10	3	96	0.00	0.0	1.729	0.027	10	3	1	1	
PL.61634	PL.42869	B	#2 ACSR	7.31Y	121.8	0.04	3.19	33.50	19	235	69	96	0.07	0.0	1.744	0.042	27	8	2	26	
PL.61635	PL.61634	B	#2 ACSR	7.31Y	121.8	0.03	3.22	29.68	17	208	61	96	0.05	0.0	1.780	0.037	25	7	2	24	
PL.61630	PL.61635	B	#2 ACSR	7.30Y	121.7	0.03	3.25	25.12	14	176	52	96	0.04	0.0	1.824	0.043	11	3	1	21	
PL.61636	PL.61630	B	#2 ACSR	7.30Y	121.7	0.02	3.27	21.07	12	148	43	96	0.02	0.0	1.851	0.027	9	3	3	18	
PL.61637	PL.61636	B	#2 ACSR	7.30Y	121.7	0.02	3.29	19.73	11	138	41	96	0.02	0.0	1.892	0.041	38	11	4	15	
PL.61638	PL.61637	B	#2 ACSR	7.30Y	121.7	0.02	3.31	14.30	8	100	29	96	0.01	0.0	1.929	0.037	19	6	1	11	
PL.61639	PL.61638	B	#2 ACSR	7.30Y	121.7	0.01	3.32	11.59	7	81	24	96	0.01	0.0	1.975	0.046	24	7	4	10	
PL.61633	PL.61639	B	#2 ACSR	7.30Y	121.7	0.00	3.32	1.06	1	7	2	96	0.00	0.0	1.991	0.016	7	2	2	2	
PL.61640	PL.61639	B	#2 ACSR	7.30Y	121.7	0.01	3.33	7.14	4	50	15	96	0.00	0.0	2.010	0.035	26	8	2	4	
PL.61641	PL.61640	B	#2 ACSR	7.30Y	121.7	0.00	3.33	3.40	2	24	7	96	0.00	0.0	2.032	0.022	24	7	2	2	
PL.61632	PL.61630	B	#2 ACSR	7.30Y	121.7	0.00	3.25	1.89	1	13	4	96	0.00	0.0	1.839	0.015	13	4	1	1	
PL.61631	PL.61630	B	#2 ACSR	7.30Y	121.7	0.00	3.25	0.55	0	4	1	97	0.00	0.0	1.857	0.033	4	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: Pine Grove 2

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PL.61629	PL.61635	B	#2 ACSR	7.31Y	121.8	0.00	3.22	0.95	1	7	2	96	0.00	0.0	1.816	0.035	7	2	1	1	
PL.42870	PL.54482	B	6 A (CWC)	7.31Y	121.8	0.16	3.21	94.35	67	663	193	96	0.79	0.1	1.679	0.037	19	6	2	47	
PL.42871	PL.42870	B	6 A (CWC)	7.28Y	121.3	0.46	3.66	91.65	65	643	187	96	2.21	0.3	1.788	0.108	0	0	0	45	
PL.54518	PL.42871	B	6 A (CWC)	7.28Y	121.3	0.00	3.66	0.00	0	0	0	100	0.00	0.0	1.859	0.071	0	0	0	0	
PL.42872	PL.42871	B	6 A (CWC)	7.26Y	121.0	0.33	4.00	91.65	65	641	185	96	1.61	0.3	1.867	0.079	0	0	0	45	
C PL.42875	PL.42872	B	2 AL URD	7.26Y	121.0	0.02	4.02	88.70	51	619	178	96	0.09	0.0	1.872	0.006	0	0	0	43	C
C PD.6145	PL.42875	B	50QA	7.26Y	121.0	0.00	4.02	88.70	177	619	178	96	0.00	0.0	1.872	0.006	0	0	0	43	C
C PL.42876	PD.6145	B	2 AL URD	7.26Y	120.9	0.04	4.05	88.70	51	619	178	96	0.16	0.0	1.883	0.011	0	0	0	43	C
PL.42239	PL.42876	B	2 AL URD	7.26Y	120.9	0.02	4.07	5.14	3	36	10	96	0.00	0.0	1.971	0.088	0	0	0	3	
PL.41584	PL.42239	B	2 AL URD	7.26Y	120.9	0.00	4.07	5.16	3	36	10	96	0.00	0.0	2.004	0.033	36	11	3	3	
PL.42240	PL.42239	B	2 AL URD	7.26Y	120.9	-0.00	4.07	-0.03	0	0	0	100	0.00	0.0	2.035	0.064	0	0	0	0	
PL.42458	PL.42240	B	#4 ACSR	7.26Y	120.9	0.00	4.07	0.00	0	0	0	100	0.00	0.0	2.040	0.006	0	0	0	0	
PD.6677	PL.42458	B	50QA	7.26Y	120.9	0.00	4.07	0.00	0	0	0	100	0.00	0.0	2.040	0.006	0	0	0	0	
PL.42460	PD.6677	B	#4 ACSR	7.26Y	120.9	0.00	4.07	0.00	0	0	0	100	0.00	0.0	2.055	0.015	0	0	0	0	
PL.42877	PL.42876	B	2 AL URD	7.25Y	120.9	0.05	4.10	83.55	48	583	168	96	0.22	0.0	1.899	0.017	7	2	1	40	
PL.42878	PL.42877	B	2 AL URD	7.25Y	120.8	0.07	4.18	82.62	47	576	166	96	0.30	0.1	1.923	0.024	13	4	1	39	
PL.42879	PL.42878	B	2 AL URD	7.24Y	120.7	0.13	4.31	80.72	46	562	162	96	0.52	0.1	1.967	0.044	22	7	2	38	
PL.42880	PL.42879	B	2 AL URD	7.23Y	120.5	0.15	4.46	77.54	44	540	155	96	0.60	0.1	2.020	0.053	14	4	1	36	
PL.42881	PL.42880	B	2 AL URD	7.21Y	120.2	0.35	4.81	75.48	43	525	151	96	1.30	0.2	2.146	0.126	33	10	3	35	
PL.43161	PL.42881	B	2 AL URD	7.19Y	119.9	0.30	5.11	70.77	40	491	140	96	1.05	0.2	2.265	0.118	42	12	2	32	
PL.42168	PL.43161	B	2 AL URD	7.18Y	119.7	0.20	5.31	64.69	37	448	128	96	0.65	0.1	2.351	0.086	29	9	2	30	
PL.42169	PL.42168	B	2 AL URD	7.18Y	119.6	0.05	5.36	56.86	32	393	112	96	0.14	0.0	2.374	0.023	0	0	0	27	
PL.42170	PL.42169	B	2 AL URD	7.18Y	119.6	0.00	5.36	2.92	2	20	6	96	0.00	0.0	2.404	0.030	20	6	1	1	
PL.42171	PL.42170	B	2 AL URD	7.18Y	119.6	-0.00	5.36	-0.02	0	0	0	100	0.00	0.0	2.452	0.048	0	0	0	0	
PL.42173	PL.42169	B	1/0 AL URD	7.17Y	119.6	0.09	5.44	53.94	32	372	106	96	0.25	0.1	2.428	0.054	40	12	2	26	
PL.42174	PL.42173	B	1/0 AL URD	7.17Y	119.5	0.06	5.50	48.15	28	332	94	96	0.15	0.0	2.466	0.038	22	6	2	24	
PL.42175	PL.42174	B	1/0 AL URD	7.16Y	119.4	0.10	5.60	44.98	26	310	88	96	0.24	0.1	2.536	0.071	15	4	1	22	
PL.42452	PL.42175	B	1/0 AL URD	7.16Y	119.4	0.04	5.63	42.81	25	295	84	96	0.08	0.0	2.563	0.027	12	4	1	21	
PL.54594	PL.42452	B	1/0 AL URD	7.16Y	119.3	0.04	5.67	41.07	24	283	80	96	0.09	0.0	2.592	0.029	0	0	0	20	
PL.54595	PL.54594	B	1/0 AL URD	7.16Y	119.3	0.04	5.71	41.08	24	283	80	96	0.09	0.0	2.623	0.031	18	5	1	20	
PL.42707	PL.54595	B	1/0 AL URD	7.15Y	119.2	0.06	5.77	38.47	23	265	75	96	0.13	0.0	2.671	0.048	0	0	0	19	

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Balanced Voltage Drop Report
Source: Pine Grove 2

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.42453	PL.42707	B	2/0 AL URD	7.15Y	119.2	0.03	5.80	38.48	22	265	75	96	0.06	0.0	2.713	0.041	13	4	1	19
PL.42454	PL.42453	B	2/0 AL URD	7.15Y	119.2	0.04	5.84	36.52	21	251	71	96	0.06	0.0	2.763	0.050	22	7	2	18
PL.42455	PL.42454	B	2/0 AL URD	7.15Y	119.1	0.05	5.89	33.26	19	229	65	96	0.06	0.0	2.830	0.067	38	11	2	16
PL.42456	PL.42455	B	2/0 AL URD	7.14Y	119.1	0.05	5.94	27.76	16	191	54	96	0.06	0.0	2.918	0.088	27	8	2	14
PL.42457	PL.42456	B	2/0 AL URD	7.14Y	119.0	0.05	5.99	23.91	14	164	47	96	0.05	0.0	3.008	0.090	0	0	0	12
PL.42172	PL.42457	B	2 AL URD	7.14Y	119.0	0.00	5.99	-0.00	0	0	0	100	0.00	0.0	3.014	0.006	0	0	0	0
PL.42886	PL.42457	B	2/0 AL URD	7.14Y	119.0	0.02	6.01	23.92	14	164	47	96	0.02	0.0	3.054	0.046	16	5	2	12
PL.42887	PL.42886	B	2/0 AL URD	7.14Y	119.0	0.02	6.03	21.55	12	148	42	96	0.02	0.0	3.092	0.038	0	0	0	10
PL.42884	PL.42887	B	2 AL URD	7.14Y	119.0	0.01	6.04	10.88	6	75	21	96	0.01	0.0	3.135	0.043	29	9	2	5
PL.63771	PL.42884	B	1/0 AL URD	7.14Y	119.0	0.00	6.05	6.64	4	45	13	96	0.00	0.0	3.173	0.038	45	13	3	3
PL.42885	PL.42884	B	2 AL URD	7.14Y	119.0	-0.00	6.04	-0.03	0	0	0	100	0.00	0.0	3.203	0.067	0	0	0	0
PL.42882	PL.42887	B	2 AL URD	7.14Y	118.9	0.03	6.06	10.68	6	73	21	96	0.01	0.0	3.185	0.093	27	8	2	5
PL.42883	PL.42882	B	2 AL URD	7.14Y	118.9	0.01	6.07	6.69	4	46	13	96	0.00	0.0	3.250	0.065	46	13	3	3
PL.43159	PL.42883	B	2 AL URD	7.14Y	118.9	-0.00	6.07	-0.03	0	0	0	100	0.00	0.0	3.316	0.066	0	0	0	0
PL.42238	PL.42452	B	2 AL URD	7.16Y	119.4	-0.00	5.63	-0.02	0	0	0	100	0.00	0.0	2.608	0.045	0	0	0	0
PL.42237	PL.42168	B	2 AL URD	7.18Y	119.7	0.00	5.31	3.60	2	25	7	96	0.00	0.0	2.376	0.025	25	7	1	1
PL.43160	PL.42881	B	2 AL URD	7.21Y	120.2	0.00	4.81	-0.00	0	0	0	100	0.00	0.0	2.152	0.006	0	0	0	0
PL.42873	PL.42872	B	2 AL URD	7.26Y	121.0	0.00	4.00	2.95	2	21	6	96	0.00	0.0	1.872	0.006	0	0	0	2
PD.6146	PL.42873	B	50QA	7.26Y	121.0	0.00	4.00	2.96	6	21	6	96	0.00	0.0	1.872	0.006	0	0	0	2
PL.42874	PD.6146	B	2 AL URD	7.26Y	121.0	0.00	4.00	2.96	2	21	6	96	0.00	0.0	1.879	0.006	21	6	2	2
PL.54258	PL.54256	C	#4 ACSR	7.37Y	122.9	0.00	2.12	15.92	12	113	33	96	0.00	0.0	1.415	0.006	0	0	0	13
PD.6144	PL.54258	C	50T	7.37Y	122.9	0.00	2.12	15.92	0	113	33	96	0.00	0.0	1.415	0.006	0	0	0	13
PL.53711	PD.6144	C	#4 ACSR	7.37Y	122.8	0.09	2.21	15.92	12	113	33	96	0.07	0.1	1.549	0.133	14	4	2	13
PL.53712	PL.53711	C	#4 ACSR	7.37Y	122.8	0.03	2.24	13.07	10	92	27	96	0.02	0.0	1.598	0.049	12	3	1	9
PL.53707	PL.53712	C	#2 ACSR	7.37Y	122.8	0.00	2.24	1.51	1	11	3	96	0.00	0.0	1.611	0.013	11	3	1	1
PL.53708	PL.53712	C	#4 ACSR	7.36Y	122.7	0.02	2.26	9.89	8	70	21	96	0.01	0.0	1.650	0.052	12	4	1	7
PL.53709	PL.53708	C	#2 ACSR	7.36Y	122.7	0.00	2.27	4.16	2	29	9	96	0.00	0.0	1.689	0.039	10	3	1	4
PL.42867	PL.53709	C	#2 ACSR	7.36Y	122.7	0.00	2.27	2.74	2	19	6	95	0.00	0.0	1.708	0.019	10	3	1	3
PL.42868	PL.42867	C	#2 ACSR	7.36Y	122.7	0.00	2.27	1.31	1	9	3	95	0.00	0.0	1.734	0.026	9	3	2	2
PL.53710	PL.53708	C	#4 ACSR	7.36Y	122.7	0.00	2.27	4.01	3	28	8	96	0.00	0.0	1.685	0.035	14	4	1	2
PL.54490	PL.53710	C	#4 ACSR	7.36Y	122.7	0.00	2.27	2.02	2	14	4	96	0.00	0.0	1.725	0.040	14	4	1	1

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Balanced Voltage Drop Report
Source: Pine Grove 2

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.53713	PL.53711	C	#2 ACSR	7.37Y	122.8	0.00	2.21	0.92	1	7	2	96	0.00	0.0	1.579	0.030	7	2	2	2
PL.53714	PL.54256	A	#1/0 ACSR	7.37Y	122.9	0.00	2.12	1.57	1	11	3	96	0.00	0.0	1.439	0.029	11	3	3	3
PL.54257	PL.54256	A	6 A (CWC)	7.37Y	122.9	0.00	2.12	1.42	1	10	3	96	0.00	0.0	1.415	0.006	0	0	0	2
PD.6676	PL.54257	A	75QA	7.37Y	122.9	0.00	2.12	1.42	2	10	3	96	0.00	0.0	1.415	0.006	0	0	0	2
PL.54251	PD.6676	A	6 A (CWC)	7.37Y	122.9	0.00	2.12	1.42	1	10	3	96	0.00	0.0	1.481	0.065	1	0	1	2
PL.54252	PL.54251	A	6 A (CWC)	7.37Y	122.9	0.00	2.13	1.29	1	9	3	95	0.00	0.0	1.549	0.068	9	3	1	1
PL.42735	PL.41923	A	#2 ACSR	7.47Y	124.5	0.00	0.50	1.69	1	12	4	95	0.00	0.0	0.571	0.006	0	0	0	3
PD.6757	PL.42735	A	75QA	7.47Y	124.5	0.00	0.50	1.69	2	12	4	95	0.00	0.0	0.571	0.006	0	0	0	3
PL.42736	PD.6757	A	#2 ACSR	7.47Y	124.5	0.01	0.51	1.69	1	12	4	95	0.00	0.0	0.709	0.139	6	2	1	3
PL.42737	PL.42736	A	#2 ACSR	7.47Y	124.5	0.00	0.51	0.81	0	6	2	95	0.00	0.0	0.777	0.068	6	2	2	2
PL.41766	PL.41299	A	#1/0 ACSR	7.48Y	124.7	0.00	0.29	1.93	1	14	4	96	0.00	0.0	0.331	0.006	0	0	0	2
PD.6716	PL.41766	A	60QA	7.48Y	124.7	0.00	0.29	1.93	3	14	4	96	0.00	0.0	0.331	0.006	0	0	0	2
PL.41767	PD.6716	A	#1/0 ACSR	7.48Y	124.7	0.00	0.29	1.93	1	14	4	96	0.00	0.0	0.341	0.010	14	4	2	2
PL.42746	PL.42744	A	#2 ACSR	7.49Y	124.8	0.00	0.22	6.55	4	47	14	96	0.00	0.0	0.246	0.006	0	0	0	4
PD.6139	PL.42746	A	75QA	7.49Y	124.8	0.00	0.22	6.55	9	47	14	96	0.00	0.0	0.246	0.006	0	0	0	4
PL.53691	PD.6139	A	#2 ACSR	7.49Y	124.8	0.00	0.22	6.55	4	47	14	96	0.00	0.0	0.249	0.003	40	12	3	4
PL.53692	PL.53691	A	#2 ACSR	7.49Y	124.8	0.00	0.22	1.03	1	7	2	96	0.00	0.0	0.281	0.031	0	0	0	1
PL.53690	PL.53692	A	#2 ACSR	7.49Y	124.8	0.00	0.22	1.03	1	7	2	96	0.00	0.0	0.312	0.032	7	2	1	1
PL.63764	PL.63766	C	#2 ACSR	7.50Y	124.9	0.00	0.05	1.75	1	13	4	96	0.00	0.0	0.065	0.006	0	0	0	2
PD.9481	PL.63764	C	75QA	7.50Y	124.9	0.00	0.05	1.75	2	13	4	96	0.00	0.0	0.065	0.006	0	0	0	2
PL.63759	PD.9481	C	#2 ACSR	7.50Y	124.9	0.00	0.05	1.75	1	13	4	96	0.00	0.0	0.078	0.013	13	4	2	2

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	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	8435	0	0	0	0	0	218	0.00	8653
KVAR	2532	0	0	-21	0	0	337		2848

Lowest Voltage = 118.57 on Element PL.55759
Max Accm VoltD = 6.43 on Element PL.55759
Max Elem VoltD = 0.52 on Element PL.43038