

Balanced Voltage Drop Report
Source: Sand Gap

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
Sand Gap		ABC	SRC-Sand G	7.50Y	125.0	0.00	0.00	281.04	0	6006	1980	95	0.00	0.0	0.000	0.000	0	0	0	1557
PL.28491	Sand Gap	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	119.82	23	2570	815	95	0.01	0.0	0.006	0.006	0	0	0	660
PL.33039	PL.28491	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	119.82	23	2570	815	95	0.00	0.0	0.007	0.002	0	0	0	660
----- Feeder No. 3 (Deer Stable F3) Beginning with Device PD.5677 -----																				
PD.5677	PL.33039	ABC	400VWE	7.50Y	125.0	0.00	0.00	119.82	0	2570	815	95	0.00	0.0	0.007	0.002	0	0	0	660
PL.28492	PD.5677	ABC	397 SPACER	7.50Y	125.0	0.01	0.01	119.82	23	2570	815	95	0.02	0.0	0.020	0.013	0	0	0	660
PL.29129	PL.28492	C	#1/0 ACSR	7.50Y	125.0	0.01	0.02	19.52	8	140	42	96	0.01	0.0	0.038	0.017	0	0	0	56
PL.29135	PL.29129	C	#4 ACSR	7.50Y	125.0	0.00	0.02	19.52	15	140	42	96	0.00	0.0	0.040	0.003	0	0	0	56
PD.4091	PL.29135	C	100L	7.50Y	125.0	0.00	0.02	19.52	20	140	42	96	0.00	0.0	0.040	0.003	0	0	0	56
PL.29516	PD.4091	C	#4 ACSR	7.50Y	124.9	0.06	0.08	18.12	14	130	39	96	0.06	0.0	0.122	0.082	8	2	2	53
PL.29517	PL.29516	C	#4 ACSR	7.49Y	124.9	0.02	0.10	17.04	13	122	37	96	0.01	0.0	0.144	0.021	7	2	1	51
PL.29521	PL.29517	C	#1/0 ACSR	7.49Y	124.8	0.07	0.17	16.12	7	116	35	96	0.05	0.0	0.321	0.178	0	0	1	50
PL.29522	PL.29521	C	#1/0 ACSR	7.49Y	124.8	0.01	0.18	16.12	7	116	35	96	0.01	0.0	0.360	0.039	11	3	1	49
PL.29523	PL.29522	C	#1/0 ACSR	7.49Y	124.8	0.04	0.22	14.56	6	104	32	96	0.03	0.0	0.484	0.124	0	0	0	48
PL.29327	PL.29523	C	#1/0 ACSR	7.48Y	124.7	0.05	0.27	14.56	6	104	32	96	0.03	0.0	0.630	0.145	1	0	1	48
PL.29524	PL.29327	C	6 A (CWC)	7.48Y	124.7	0.04	0.31	14.44	10	103	31	96	0.03	0.0	0.689	0.059	6	2	4	47
PL.29525	PL.29524	C	6 A (CWC)	7.48Y	124.6	0.06	0.37	13.55	10	97	29	96	0.05	0.0	0.791	0.103	0	0	0	43
PL.29328	PL.29525	C	6 A (CWC)	7.47Y	124.5	0.10	0.48	13.55	10	97	29	96	0.07	0.1	0.957	0.166	0	0	0	43
PL.29630	PL.29328	C	#4 ACSR	7.47Y	124.5	0.00	0.48	2.29	2	16	5	95	0.00	0.0	0.962	0.005	0	0	0	10
PD.4066	PL.29630	C	40T	7.47Y	124.5	0.00	0.48	2.29	0	16	5	95	0.00	0.0	0.962	0.005	0	0	0	10
PL.29631	PD.4066	C	#4 ACSR	7.47Y	124.5	0.00	0.48	2.29	2	16	5	95	0.00	0.0	0.992	0.030	0	0	0	10
PL.29526	PL.29631	C	#4 ACSR	7.47Y	124.5	0.00	0.48	2.29	2	16	5	95	0.00	0.0	1.016	0.025	0	0	5	10
PL.29520	PL.29526	C	#4 ACSR	7.47Y	124.5	0.00	0.49	2.29	2	16	5	95	0.00	0.0	1.075	0.058	9	3	3	5
PL.29518	PL.29520	C	#1/0 ACSR	7.47Y	124.5	0.00	0.49	1.03	0	7	2	96	0.00	0.0	1.220	0.145	0	0	1	2
PL.29519	PL.29518	C	#1/0 ACSR	7.47Y	124.5	0.00	0.49	1.02	0	7	2	96	0.00	0.0	1.270	0.050	7	2	1	1
PL.29254	PL.29328	C	6 A (CWC)	7.47Y	124.5	0.04	0.52	11.26	8	81	24	96	0.02	0.0	1.038	0.081	10	3	2	33
PL.29255	PL.29254	C	6 A (CWC)	7.47Y	124.4	0.06	0.58	8.74	6	62	19	96	0.03	0.0	1.193	0.154	0	0	0	30
PL.29329	PL.29255	C	6 A (CWC)	7.46Y	124.4	0.04	0.62	8.74	6	62	19	96	0.02	0.0	1.293	0.101	0	0	0	30
PL.29369	PL.29329	C	6 A (CWC)	7.46Y	124.3	0.04	0.66	8.74	6	62	19	96	0.02	0.0	1.389	0.096	0	0	0	30
PL.29634	PL.29369	C	6 A (CWC)	7.46Y	124.3	0.00	0.66	0.60	0	4	1	97	0.00	0.0	1.394	0.005	0	0	0	3

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

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.4068	PL.29634	C	40T	7.46Y	124.3	0.00	0.66	0.60	0	4	1	97	0.00	0.0	1.394	0.005	0	0	0	3
PL.29635	PD.4068	C	6 A (CWC)	7.46Y	124.3	0.00	0.66	0.60	0	4	1	97	0.00	0.0	1.459	0.065	0	0	0	3
PL.29256	PL.29635	C	6 A (CWC)	7.46Y	124.3	0.00	0.66	0.58	0	4	1	97	0.00	0.0	1.484	0.025	1	0	1	2
PL.29542	PL.29256	C	#4 ACSR	7.46Y	124.3	0.00	0.66	0.46	0	3	1	95	0.00	0.0	1.515	0.031	0	0	0	1
PL.29543	PL.29542	C	#4 ACSR	7.46Y	124.3	0.00	0.66	0.46	0	3	1	95	0.00	0.0	1.574	0.059	3	1	1	1
PL.29136	PL.29635	C	#4 ACSR	7.46Y	124.3	0.00	0.66	0.02	0	0	0	100	0.00	0.0	1.492	0.033	0	0	1	1
PL.29544	PL.29369	C	6 A (CWC)	7.46Y	124.3	0.07	0.73	8.14	6	58	18	96	0.03	0.1	1.575	0.186	0	0	0	27
PL.29545	PL.29544	C	6 A (CWC)	7.45Y	124.2	0.06	0.79	8.14	6	58	18	96	0.03	0.0	1.739	0.164	0	0	0	27
PL.29546	PL.29545	C	6 A (CWC)	7.45Y	124.2	0.03	0.83	8.14	6	58	18	96	0.02	0.0	1.833	0.093	0	0	0	27
PL.29389	PL.29546	C	6 A (CWC)	7.45Y	124.1	0.04	0.86	8.14	6	58	18	96	0.02	0.0	1.934	0.101	3	1	2	27
PL.29665	PL.29389	C	6 A (CWC)	7.45Y	124.1	0.05	0.91	7.68	5	55	17	96	0.02	0.0	2.083	0.150	0	0	0	25
PD.4087-A	PL.29665	C	Closed	7.45Y	124.1	0.00	0.91	7.68	0	55	17	96	0.00	0.0	2.083	0.150	0	0	0	25
PD.4087-B	PD.4087-A	C	Closed	7.45Y	124.1	0.00	0.91	7.68	0	55	17	96	0.00	0.0	2.083	0.150	0	0	0	25
PL.29666	PD.4087-B	C	6 A (CWC)	7.44Y	124.0	0.06	0.98	7.68	5	55	17	96	0.03	0.0	2.260	0.177	0	0	0	25
PL.29137	PL.29666	C	#4 ACSR	7.44Y	124.0	0.00	0.98	1.21	1	9	3	95	0.00	0.0	2.351	0.091	0	0	0	2
PL.29330	PL.29137	C	#4 ACSR	7.44Y	124.0	0.00	0.99	1.21	1	9	3	95	0.00	0.0	2.473	0.121	9	3	2	2
PL.29257	PL.29666	C	6 A (CWC)	7.44Y	124.0	0.05	1.02	6.47	5	46	14	96	0.02	0.0	2.414	0.154	0	0	0	23
PL.29331	PL.29257	C	6 A (CWC)	7.44Y	123.9	0.04	1.06	6.47	5	46	14	96	0.01	0.0	2.551	0.136	0	0	0	23
PL.29332	PL.29331	C	6 A (CWC)	7.43Y	123.9	0.03	1.10	6.47	5	46	14	96	0.01	0.0	2.660	0.110	0	0	0	23
PL.29368	PL.29332	C	6 A (CWC)	7.43Y	123.9	0.03	1.12	6.47	5	46	14	96	0.01	0.0	2.751	0.091	0	0	0	23
PL.29258	PL.29368	C	6 A (CWC)	7.43Y	123.9	0.03	1.15	6.47	5	46	14	96	0.01	0.0	2.835	0.084	0	0	0	22
PL.29673	PL.29258	C	6 A (CWC)	7.43Y	123.9	0.00	1.15	5.53	4	39	12	96	0.00	0.0	2.838	0.003	0	0	0	21
PD.4092	PL.29673	C	50L	7.43Y	123.9	0.00	1.15	5.53	11	39	12	96	0.00	0.0	2.838	0.003	0	0	0	21
PL.29674	PD.4092	C	6 A (CWC)	7.43Y	123.8	0.02	1.17	5.53	4	39	12	96	0.00	0.0	2.905	0.067	2	1	2	21
PL.29259	PL.29674	C	6 A (CWC)	7.43Y	123.8	0.01	1.18	5.20	4	37	11	96	0.00	0.0	2.965	0.061	0	0	0	19
PL.29138	PL.29259	C	6 A (CWC)	7.43Y	123.8	0.02	1.20	5.20	4	37	11	96	0.00	0.0	3.036	0.071	0	0	0	19
PL.29253	PL.29138	C	6 A (CWC)	7.43Y	123.8	0.04	1.23	4.71	3	34	10	96	0.01	0.0	3.204	0.167	0	0	0	18
PL.28385	PL.29253	C	#4 ACSR	7.43Y	123.8	0.01	1.24	1.39	1	10	3	96	0.00	0.0	3.369	0.165	10	3	2	2
PL.29260	PL.29253	C	6 A (CWC)	7.43Y	123.8	0.02	1.25	3.33	2	24	7	96	0.00	0.0	3.309	0.105	0	0	0	16
PL.29650	PL.29260	C	#4 ACSR	7.43Y	123.8	0.00	1.25	0.00	0	0	0	100	0.00	0.0	3.313	0.004	0	0	0	0
PD.4078	PL.29650	C	20T	7.43Y	123.8	0.00	1.25	0.00	0	0	0	100	0.00	0.0	3.313	0.004	0	0	0	0

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.29651	PD.4078	C	#4 ACSR	7.43Y	123.8	0.00	1.25	0.00	0	0	0	100	0.00	0.0	3.371	0.058	0	0	0	0
PL.28386	PL.29260	C	#2 ACSR	7.42Y	123.7	0.00	1.25	3.33	2	24	7	96	0.00	0.0	3.313	0.004	0	0	0	16
PD.4071	PL.28386	C	20T	7.42Y	123.7	0.00	1.25	3.33	0	24	7	96	0.00	0.0	3.313	0.004	0	0	0	16
PL.29261	PD.4071	C	#2 ACSR	7.42Y	123.7	0.00	1.25	0.49	0	4	1	97	0.00	0.0	3.473	0.160	4	1	1	1
PL.29390	PD.4071	C	#1/0 ACSR	7.42Y	123.7	0.01	1.26	2.83	1	20	6	96	0.00	0.0	3.458	0.145	0	0	1	15
PL.29547	PL.29390	C	#1/0 ACSR	7.42Y	123.7	0.00	1.26	2.83	1	20	6	96	0.00	0.0	3.479	0.021	3	1	1	14
PL.29642	PL.29547	C	#4 ACSR	7.42Y	123.7	0.00	1.26	0.00	0	0	0	100	0.00	0.0	3.483	0.004	0	0	0	0
PD.4073	PL.29642	C	20T	7.42Y	123.7	0.00	1.26	0.00	0	0	0	100	0.00	0.0	3.483	0.004	0	0	0	0
PL.29643	PD.4073	C	#4 ACSR	7.42Y	123.7	0.00	1.26	0.00	0	0	0	100	0.00	0.0	3.530	0.047	0	0	0	0
PL.29262	PL.29547	C	#1/0 ACSR	7.42Y	123.7	0.00	1.26	2.41	1	17	5	96	0.00	0.0	3.519	0.040	0	0	0	13
PL.28387	PL.29262	C	#4 ACSR	7.42Y	123.7	0.01	1.27	2.35	2	17	5	96	0.00	0.0	3.592	0.073	0	0	0	11
PL.29263	PL.28387	C	#4 ACSR	7.42Y	123.7	0.02	1.29	2.32	2	16	5	95	0.00	0.0	3.759	0.166	0	0	0	10
PL.29652	PL.29263	C	#4 ACSR	7.42Y	123.7	0.00	1.29	2.27	2	16	5	95	0.00	0.0	3.764	0.005	0	0	0	9
PD.4079	PL.29652	C	20T	7.42Y	123.7	0.00	1.29	2.27	0	16	5	95	0.00	0.0	3.764	0.005	0	0	0	9
PL.29653	PD.4079	C	#4 ACSR	7.42Y	123.7	0.01	1.30	2.27	2	16	5	95	0.00	0.0	3.832	0.068	0	0	1	9
PL.29550	PL.29653	C	#4 ACSR	7.42Y	123.7	0.01	1.31	2.27	2	16	5	95	0.00	0.0	3.931	0.100	0	0	0	8
PL.29264	PL.29550	C	#4 ACSR	7.42Y	123.7	0.00	1.31	0.09	0	1	0	100	0.00	0.0	3.968	0.036	1	0	1	1
PL.29551	PL.29550	C	#1/0 ACSR	7.42Y	123.7	0.00	1.31	0.26	0	2	1	89	0.00	0.0	4.070	0.139	0	0	1	2
PL.29552	PL.29551	C	#1/0 ACSR	7.42Y	123.7	0.00	1.31	0.25	0	2	1	89	0.00	0.0	4.101	0.031	2	1	1	1
PL.29667	PL.29550	C	6 A (CWC)	7.42Y	123.7	0.00	1.31	1.91	1	14	4	96	0.00	0.0	3.987	0.055	0	0	0	5
PD.4088-A	PL.29667	C	Closed	7.42Y	123.7	0.00	1.31	1.91	0	14	4	96	0.00	0.0	3.987	0.055	0	0	0	5
PD.4088-B	PD.4088-A	C	Closed	7.42Y	123.7	0.00	1.31	1.91	0	14	4	96	0.00	0.0	3.987	0.055	0	0	0	5
PL.29668	PD.4088-B	C	6 A (CWC)	7.42Y	123.7	0.01	1.32	1.91	1	14	4	96	0.00	0.0	4.097	0.111	0	0	0	5
PL.29341	PL.29668	C	6 A (CWC)	7.42Y	123.7	0.01	1.33	1.91	1	14	4	96	0.00	0.0	4.209	0.112	0	0	0	5
PL.29342	PL.29341	C	6 A (CWC)	7.42Y	123.7	0.01	1.34	1.91	1	14	4	96	0.00	0.0	4.337	0.128	0	0	0	5
PL.29343	PL.29342	C	6 A (CWC)	7.42Y	123.6	0.01	1.35	1.91	1	14	4	96	0.00	0.0	4.480	0.143	0	0	0	5
PL.29344	PL.29343	C	6 A (CWC)	7.42Y	123.6	0.01	1.37	1.91	1	14	4	96	0.00	0.0	4.627	0.148	0	0	0	5
PL.29345	PL.29344	C	6 A (CWC)	7.42Y	123.6	0.01	1.38	1.91	1	14	4	96	0.00	0.0	4.716	0.089	0	0	0	5
PL.29265	PL.29345	C	6 A (CWC)	7.42Y	123.6	0.01	1.38	1.66	1	12	4	95	0.00	0.0	4.783	0.067	0	0	0	4
PL.29548	PL.29265	C	6 A (CWC)	7.42Y	123.6	0.00	1.38	1.30	1	9	3	95	0.00	0.0	4.867	0.083	6	2	2	3
PL.29549	PL.29548	C	6 A (CWC)	7.42Y	123.6	0.00	1.38	0.39	0	3	1	95	0.00	0.0	4.961	0.094	3	1	1	1

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PL.28390	PL.29265	C	6 A (CWC)	7.42Y	123.6	0.00	1.38	0.36	0	3	1	95	0.00	0.0	4.841	0.057	3	1	1	1
PL.28389	PL.29345	C	#4 ACSR	7.42Y	123.6	0.00	1.38	0.25	0	2	1	89	0.00	0.0	4.873	0.157	2	1	1	1
PL.29648	PL.29263	C	6 A (CWC)	7.42Y	123.7	0.00	1.29	0.05	0	0	0	100	0.00	0.0	3.764	0.005	0	0	0	1
PD.4076	PL.29648	C	20T	7.42Y	123.7	0.00	1.29	0.05	0	0	0	100	0.00	0.0	3.764	0.005	0	0	0	1
PL.29649	PD.4076	C	6 A (CWC)	7.42Y	123.7	0.00	1.29	0.05	0	0	0	100	0.00	0.0	3.862	0.098	0	0	0	1
PL.29334	PL.29649	C	6 A (CWC)	7.42Y	123.7	0.00	1.29	0.05	0	0	0	100	0.00	0.0	3.976	0.114	0	0	0	1
PL.29367	PL.29334	C	6 A (CWC)	7.42Y	123.7	0.00	1.29	0.05	0	0	0	100	0.00	0.0	4.056	0.081	0	0	0	1
PL.29335	PL.29367	C	6 A (CWC)	7.42Y	123.7	0.00	1.29	0.05	0	0	0	100	0.00	0.0	4.233	0.176	0	0	0	1
PL.29336	PL.29335	C	6 A (CWC)	7.42Y	123.7	0.00	1.29	0.05	0	0	0	100	0.00	0.0	4.404	0.171	0	0	0	1
PL.29337	PL.29336	C	6 A (CWC)	7.42Y	123.7	0.00	1.29	0.05	0	0	0	100	0.00	0.0	4.585	0.181	0	0	0	1
PL.29338	PL.29337	C	6 A (CWC)	7.42Y	123.7	0.00	1.29	0.05	0	0	0	100	0.00	0.0	4.742	0.156	0	0	0	1
PL.29339	PL.29338	C	6 A (CWC)	7.42Y	123.7	0.00	1.29	0.05	0	0	0	100	0.00	0.0	4.890	0.148	0	0	0	1
PL.29340	PL.29339	C	6 A (CWC)	7.42Y	123.7	0.00	1.29	0.05	0	0	0	100	0.00	0.0	5.061	0.171	0	0	0	1
PL.29669	PL.29340	C	6 A (CWC)	7.42Y	123.7	0.00	1.29	0.05	0	0	0	100	0.00	0.0	5.195	0.134	0	0	0	1
PD.4089-A	PL.29669	C	Closed	7.42Y	123.7	0.00	1.29	0.05	0	0	0	100	0.00	0.0	5.195	0.134	0	0	0	1
PD.4089-B	PD.4089-A	C	Closed	7.42Y	123.7	0.00	1.29	0.05	0	0	0	100	0.00	0.0	5.195	0.134	0	0	0	1
PL.29670	PD.4089-B	C	6 A (CWC)	7.42Y	123.7	0.00	1.29	0.05	0	0	0	100	0.00	0.0	5.364	0.169	0	0	0	1
PL.28388	PL.29670	C	#2 ACSR	7.42Y	123.7	0.00	1.29	0.05	0	0	0	100	0.00	0.0	5.507	0.143	0	0	1	1
PL.29646	PL.28387	C	#4 ACSR	7.42Y	123.7	0.00	1.27	0.03	0	0	0	100	0.00	0.0	3.597	0.005	0	0	0	1
PD.4075	PL.29646	C	20T	7.42Y	123.7	0.00	1.27	0.03	0	0	0	100	0.00	0.0	3.597	0.005	0	0	0	1
PL.29647	PD.4075	C	#4 ACSR	7.42Y	123.7	0.00	1.27	0.03	0	0	0	100	0.00	0.0	3.708	0.111	0	0	1	1
PL.29640	PL.29262	C	6 A (CWC)	7.42Y	123.7	0.00	1.26	0.07	0	0	0	100	0.00	0.0	3.523	0.004	0	0	0	2
PD.4072	PL.29640	C	20T	7.42Y	123.7	0.00	1.26	0.07	0	0	0	100	0.00	0.0	3.523	0.004	0	0	0	2
PL.29641	PD.4072	C	6 A (CWC)	7.42Y	123.7	0.00	1.26	0.07	0	0	0	100	0.00	0.0	3.566	0.043	0	0	2	2
PL.29644	PL.29138	C	6 A (CWC)	7.43Y	123.8	0.00	1.20	0.49	0	3	1	95	0.00	0.0	3.041	0.005	0	0	0	1
PD.4074	PL.29644	C	20T	7.43Y	123.8	0.00	1.20	0.49	0	3	1	95	0.00	0.0	3.041	0.005	0	0	0	1
PL.29645	PD.4074	C	6 A (CWC)	7.43Y	123.8	0.00	1.20	0.49	0	3	1	95	0.00	0.0	3.205	0.164	0	0	0	1
PL.29333	PL.29645	C	6 A (CWC)	7.43Y	123.8	0.00	1.20	0.49	0	3	1	95	0.00	0.0	3.317	0.112	3	1	1	1
PL.29638	PL.29674	C	6 A (CWC)	7.43Y	123.8	0.00	1.17	0.00	0	0	0	100	0.00	0.0	2.909	0.005	0	0	0	0
PD.4070	PL.29638	C	20T	7.43Y	123.8	0.00	1.17	0.00	0	0	0	100	0.00	0.0	2.909	0.005	0	0	0	0
PL.29639	PD.4070	C	6 A (CWC)	7.43Y	123.8	0.00	1.17	0.00	0	0	0	100	0.00	0.0	3.013	0.104	0	0	0	0

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Balanced Voltage Drop Report
Source: Sand Gap

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.28383	PL.29258	C	#1/0 ACSR	7.43Y	123.9	0.00	1.15	0.94	0	7	2	96	0.00	0.0	2.890	0.055	7	2	1	1
PL.28384	PL.29368	C	#2 ACSR	7.43Y	123.9	0.00	1.12	0.00	0	0	0	100	0.00	0.0	2.782	0.031	0	0	1	1
PL.29636	PL.29389	C	#2 ACSR	7.45Y	124.1	0.00	0.86	0.00	0	0	0	100	0.00	0.0	1.938	0.005	0	0	0	0
PD.4069	PL.29636	C	40T	7.45Y	124.1	0.00	0.86	0.00	0	0	0	100	0.00	0.0	1.938	0.005	0	0	0	0
PL.29637	PD.4069	C	#2 ACSR	7.45Y	124.1	0.00	0.86	0.00	0	0	0	100	0.00	0.0	1.983	0.045	0	0	0	0
PL.29020	PL.29254	C	#1/0 ACSR	7.47Y	124.5	0.00	0.52	1.09	0	8	2	97	0.00	0.0	1.043	0.005	0	0	0	1
PD.4065	PL.29020	C	40T	7.47Y	124.5	0.00	0.52	1.09	0	8	2	97	0.00	0.0	1.043	0.005	0	0	0	1
PL.29021	PD.4065	C	#1/0 ACSR	7.47Y	124.5	0.00	0.52	1.09	0	8	2	97	0.00	0.0	1.086	0.043	8	2	1	1
PL.29134	PD.4091	C	#4 ACSR	7.50Y	125.0	0.00	0.02	1.40	1	10	3	96	0.00	0.0	0.076	0.036	10	3	3	3
PL.29382	PL.28492	ABC	397 SPACER	7.50Y	125.0	0.01	0.02	113.31	22	2430	772	95	0.06	0.0	0.053	0.033	0	0	0	604
PL.29130	PL.29382	ABC	397 SPACER	7.50Y	125.0	0.01	0.03	113.31	22	2430	772	95	0.04	0.0	0.080	0.026	0	0	0	604
PL.29131	PL.29130	ABC	397 SPACER	7.50Y	125.0	0.01	0.04	113.31	22	2429	771	95	0.05	0.0	0.110	0.030	0	0	0	604
PL.29132	PL.29131	ABC	397 SPACER	7.50Y	124.9	0.01	0.05	113.31	22	2429	770	95	0.05	0.0	0.137	0.027	0	0	0	604
PL.29133	PL.29132	ABC	397 SPACER	7.50Y	124.9	0.01	0.06	113.31	22	2429	770	95	0.03	0.0	0.153	0.016	0	0	0	604
PL.29532	PL.29133	ABC	397 SPACER	7.50Y	124.9	0.02	0.08	113.31	22	2429	770	95	0.10	0.0	0.212	0.060	7	2	2	604
PL.29533	PL.29532	ABC	397 SPACER	7.49Y	124.9	0.02	0.11	112.97	22	2422	766	95	0.11	0.0	0.278	0.066	0	0	3	602
PL.29511	PL.29533	ABC	336 MCM AC	7.49Y	124.9	0.03	0.14	112.97	22	2422	765	95	0.43	0.0	0.318	0.040	9	3	3	599
PL.29512	PL.29511	ABC	336 MCM AC	7.49Y	124.8	0.03	0.17	112.54	22	2412	761	95	0.39	0.0	0.355	0.037	0	0	0	596
PL.29018	PL.29512	A	#1/0 ACSR	7.49Y	124.8	0.00	0.17	1.71	1	12	4	95	0.00	0.0	0.359	0.004	0	0	0	7
PD.4064	PL.29018	A	65T	7.49Y	124.8	0.00	0.17	1.71	0	12	4	95	0.00	0.0	0.359	0.004	0	0	0	7
PL.29019	PD.4064	A	#1/0 ACSR	7.49Y	124.8	0.00	0.17	1.71	1	12	4	95	0.00	0.0	0.363	0.004	0	0	1	7
PL.29513	PL.29019	A	#1/0 ACSR	7.49Y	124.8	0.00	0.17	1.71	1	12	4	95	0.00	0.0	0.378	0.015	12	4	6	6
PL.29380	PL.29512	ABC	336 MCM AC	7.49Y	124.8	0.02	0.20	111.97	22	2399	756	95	0.29	0.0	0.382	0.028	1	0	2	589
PL.29509	PL.29380	ABC	336 MCM AC	7.48Y	124.7	0.07	0.27	110.11	21	2359	744	95	0.89	0.0	0.470	0.087	0	0	1	573
PL.29510	PL.29509	ABC	336 MCM AC	7.48Y	124.7	0.02	0.29	110.11	21	2358	742	95	0.28	0.0	0.498	0.028	0	0	0	572
PL.29555	PL.29510	ABC	#1/0 ACSR	7.48Y	124.7	0.02	0.31	41.75	18	897	272	96	0.09	0.0	0.517	0.020	0	0	2	265
PL.29556	PL.29555	ABC	#1/0 ACSR	7.48Y	124.7	0.02	0.33	41.74	18	896	272	96	0.12	0.0	0.544	0.026	32	10	6	263
PL.29501	PL.29556	ABC	#1/0 ACSR	7.48Y	124.6	0.04	0.37	38.48	17	826	251	96	0.25	0.0	0.607	0.064	7	2	2	252
PL.29675	PL.29501	ABC	#1/0 ACSR	7.48Y	124.6	0.02	0.40	38.16	17	819	248	96	0.13	0.0	0.641	0.034	0	0	0	250
PD.4093	PL.29675	ABC	100L	7.48Y	124.6	0.00	0.40	38.16	38	819	248	96	0.00	0.0	0.641	0.034	0	0	0	250
PL.29676	PD.4093	ABC	#1/0 ACSR	7.47Y	124.6	0.02	0.42	38.16	17	819	248	96	0.12	0.0	0.673	0.032	8	3	2	250

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.29145	PL.29676	ABC	#1/0 ACSR	7.47Y	124.5	0.04	0.46	36.39	16	781	237	96	0.21	0.0	0.734	0.061	12	4	1	236
PL.29377	PL.29145	ABC	#1/0 ACSR	7.47Y	124.5	0.05	0.51	29.32	13	629	191	96	0.20	0.0	0.821	0.087	7	2	2	194
PL.29004	PL.29377	A	#4 ACSR	7.47Y	124.5	0.00	0.51	2.35	2	17	5	96	0.00	0.0	0.825	0.004	0	0	0	4
PD.4056	PL.29004	A	40T	7.47Y	124.5	0.00	0.51	2.35	0	17	5	96	0.00	0.0	0.825	0.004	0	0	0	4
PL.29005	PD.4056	A	#4 ACSR	7.47Y	124.5	0.00	0.51	2.35	2	17	5	96	0.00	0.0	0.846	0.021	17	5	4	4
PL.29499	PL.29377	ABC	#1/0 ACSR	7.47Y	124.5	0.02	0.52	26.80	12	575	174	96	0.07	0.0	0.855	0.035	4	1	3	180
PL.29500	PL.29499	ABC	#1/0 ACSR	7.47Y	124.5	0.02	0.54	26.60	12	570	173	96	0.06	0.0	0.888	0.033	13	4	2	177
PL.29002	PL.29500	A	#4 ACSR	7.47Y	124.5	0.00	0.54	0.99	1	7	2	96	0.00	0.0	0.892	0.004	0	0	0	4
PD.4055	PL.29002	A	40T	7.47Y	124.5	0.00	0.54	0.99	0	7	2	96	0.00	0.0	0.892	0.004	0	0	0	4
PL.29003	PD.4055	A	#4 ACSR	7.47Y	124.5	0.00	0.54	0.99	1	7	2	96	0.00	0.0	0.901	0.009	4	1	1	4
PL.29498	PL.29003	A	#4 ACSR	7.47Y	124.5	0.00	0.54	0.37	0	3	1	95	0.00	0.0	0.938	0.036	1	0	2	3
PL.29492	PL.29498	A	#4 ACSR	7.47Y	124.5	0.00	0.54	0.16	0	1	0	100	0.00	0.0	0.956	0.018	1	0	1	1
PL.29150	PL.29500	ABC	#1/0 ACSR	7.47Y	124.4	0.04	0.57	25.66	11	550	167	96	0.13	0.0	0.963	0.075	0	0	0	171
PL.28992	PL.29150	C	#1/0 ACSR	7.47Y	124.4	0.00	0.57	0.35	0	3	1	95	0.00	0.0	0.968	0.005	0	0	0	1
PD.4050	PL.28992	C	40T	7.47Y	124.4	0.00	0.57	0.35	0	3	1	95	0.00	0.0	0.968	0.005	0	0	0	1
PL.28993	PD.4050	C	#1/0 ACSR	7.47Y	124.4	0.00	0.57	0.35	0	3	1	95	0.00	0.0	1.015	0.048	3	1	1	1
PL.29273	PL.29150	ABC	#1/0 ACSR	7.46Y	124.4	0.03	0.60	25.55	11	548	166	96	0.11	0.0	1.024	0.061	0	0	0	170
PL.28994	PL.29273	C	#4 ACSR	7.46Y	124.4	0.00	0.60	0.73	1	5	2	93	0.00	0.0	1.029	0.005	0	0	0	1
PD.4051	PL.28994	C	40T	7.46Y	124.4	0.00	0.60	0.73	0	5	2	93	0.00	0.0	1.029	0.005	0	0	0	1
PL.28995	PD.4051	C	#4 ACSR	7.46Y	124.4	0.00	0.60	0.73	1	5	2	93	0.00	0.0	1.058	0.029	5	2	1	1
PL.29375	PL.29273	ABC	#1/0 ACSR	7.46Y	124.4	0.01	0.61	25.30	11	542	164	96	0.04	0.0	1.048	0.024	9	3	1	169
PL.28990	PL.29375	A	#1/0 ACSR	7.46Y	124.4	0.00	0.62	7.05	3	50	15	96	0.00	0.0	1.064	0.016	0	0	0	16
PD.4049	PL.28990	A	40T	7.46Y	124.4	0.00	0.62	7.05	0	50	15	96	0.00	0.0	1.064	0.016	0	0	0	16
PL.28991	PD.4049	A	#1/0 ACSR	7.46Y	124.4	0.00	0.62	7.05	3	50	15	96	0.00	0.0	1.076	0.012	21	6	6	16
PL.29489	PL.28991	A	#1/0 ACSR	7.46Y	124.4	0.01	0.62	4.13	2	29	9	96	0.00	0.0	1.142	0.066	7	2	2	10
PL.29490	PL.29489	A	#1/0 ACSR	7.46Y	124.4	0.00	0.62	3.15	1	22	7	95	0.00	0.0	1.164	0.022	12	4	4	8
PL.29491	PL.29490	A	#1/0 ACSR	7.46Y	124.4	0.00	0.62	1.48	1	11	3	96	0.00	0.0	1.217	0.053	11	3	4	4
PL.29376	PL.29375	ABC	#1/0 ACSR	7.46Y	124.4	0.01	0.63	22.53	10	483	146	96	0.04	0.0	1.081	0.033	0	0	0	152
PL.28996	PL.29376	A	#4 ACSR	7.46Y	124.4	0.00	0.63	1.64	1	12	4	95	0.00	0.0	1.085	0.005	0	0	0	3
PD.4052	PL.28996	A	40T	7.46Y	124.4	0.00	0.63	1.64	0	12	4	95	0.00	0.0	1.085	0.005	0	0	0	3
PL.28997	PD.4052	A	#4 ACSR	7.46Y	124.4	0.00	0.63	1.64	1	12	4	95	0.00	0.0	1.096	0.011	12	4	3	3

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Balanced Voltage Drop Report
Source: Sand Gap

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.29493	PL.29376	ABC	#1/0 ACSR	7.46Y	124.4	0.01	0.64	21.99	10	471	143	96	0.04	0.0	1.112	0.031	13	4	3	149
PL.29494	PL.29493	ABC	#1/0 ACSR	7.46Y	124.3	0.05	0.69	21.40	9	458	139	96	0.16	0.0	1.246	0.134	0	0	0	146
PL.28988	PL.29494	A	#1/0 ACSR	7.46Y	124.3	0.00	0.69	0.94	0	7	2	96	0.00	0.0	1.251	0.005	0	0	0	3
PD.4048	PL.28988	A	40T	7.46Y	124.3	0.00	0.69	0.94	0	7	2	96	0.00	0.0	1.251	0.005	0	0	0	3
PL.28989	PD.4048	A	#1/0 ACSR	7.46Y	124.3	0.00	0.69	0.94	0	7	2	96	0.00	0.0	1.271	0.020	4	1	1	3
PL.29488	PL.28989	A	#1/0 ACSR	7.46Y	124.3	0.00	0.69	0.40	0	3	1	95	0.00	0.0	1.329	0.058	3	1	2	2
PL.29374	PL.29494	ABC	#1/0 ACSR	7.46Y	124.3	0.01	0.70	21.08	9	451	137	96	0.04	0.0	1.281	0.035	10	3	2	143
PL.29632	PL.29374	B	#4 ACSR	7.46Y	124.3	0.00	0.70	0.01	0	0	0	100	0.00	0.0	1.285	0.004	0	0	0	1
PD.4067	PL.29632	B	40T	7.46Y	124.3	0.00	0.70	0.01	0	0	0	100	0.00	0.0	1.285	0.004	0	0	0	1
PL.29633	PD.4067	B	#4 ACSR	7.46Y	124.3	0.00	0.70	0.01	0	0	0	100	0.00	0.0	1.419	0.133	0	0	1	1
PL.29470	PL.29374	ABC	#1/0 ACSR	7.46Y	124.3	0.03	0.73	20.62	9	442	134	96	0.09	0.0	1.360	0.079	20	6	5	140
PL.29471	PL.29470	ABC	#1/0 ACSR	7.46Y	124.3	0.01	0.74	19.70	9	422	128	96	0.03	0.0	1.391	0.031	0	0	0	135
PL.29615	PL.29471	A	#4 ACSR	7.46Y	124.3	0.00	0.74	0.54	0	4	1	97	0.00	0.0	1.396	0.005	0	0	0	1
PD.4032	PL.29615	A	T	7.46Y	124.3	0.00	0.74	0.54	0	4	1	97	0.00	0.0	1.396	0.005	0	0	0	1
PL.29616	PD.4032	A	#4 ACSR	7.46Y	124.3	0.00	0.75	0.54	0	4	1	97	0.00	0.0	1.479	0.083	4	1	1	1
PL.29172	PL.29471	ABC	#1/0 ACSR	7.45Y	124.2	0.02	0.76	19.53	8	418	127	96	0.05	0.0	1.440	0.049	14	4	2	134
PL.29445	PL.29172	ABC	#1/0 ACSR	7.45Y	124.2	0.06	0.82	18.75	8	401	121	96	0.15	0.0	1.609	0.169	17	5	6	130
PL.29446	PL.29445	ABC	#1/0 ACSR	7.45Y	124.2	0.03	0.84	17.94	8	384	116	96	0.07	0.0	1.686	0.076	0	0	0	124
PL.29609	PL.29446	A	#4 ACSR	7.45Y	124.2	0.00	0.84	1.24	1	9	3	95	0.00	0.0	1.690	0.005	0	0	0	3
PD.4028	PL.29609	A	40T	7.45Y	124.2	0.00	0.84	1.24	0	9	3	95	0.00	0.0	1.690	0.005	0	0	0	3
PL.29610	PD.4028	A	#4 ACSR	7.45Y	124.2	0.00	0.84	1.24	1	9	3	95	0.00	0.0	1.715	0.025	9	3	3	3
PL.29443	PL.29446	ABC	#1/0 ACSR	7.45Y	124.1	0.03	0.87	17.53	8	375	113	96	0.07	0.0	1.775	0.089	0	0	1	121
PL.29444	PL.29443	ABC	#1/0 ACSR	7.44Y	124.1	0.05	0.92	17.53	8	375	113	96	0.12	0.0	1.929	0.154	9	3	1	120
PL.29605	PL.29444	A	#4 ACSR	7.44Y	124.1	0.00	0.92	1.90	1	14	4	96	0.00	0.0	1.933	0.004	0	0	0	3
PD.4026	PL.29605	A	T	7.44Y	124.1	0.00	0.92	1.90	0	14	4	96	0.00	0.0	1.933	0.004	0	0	0	3
PL.29606	PD.4026	A	#4 ACSR	7.44Y	124.1	0.00	0.92	1.90	1	14	4	96	0.00	0.0	1.980	0.047	6	2	2	3
PL.29442	PL.29606	A	#4 ACSR	7.44Y	124.1	0.00	0.93	1.11	1	8	2	97	0.00	0.0	2.048	0.068	8	2	1	1
PL.29274	PL.29444	ABC	#1/0 ACSR	7.44Y	124.1	0.01	0.93	16.46	7	352	106	96	0.03	0.0	1.964	0.035	0	0	0	116
PL.29603	PL.29274	C	#4 ACSR	7.44Y	124.1	0.00	0.93	2.93	2	21	6	96	0.00	0.0	1.968	0.004	0	0	0	4
PD.4025	PL.29603	C	T	7.44Y	124.1	0.00	0.93	2.93	0	21	6	96	0.00	0.0	1.968	0.004	0	0	0	4
PL.29604	PD.4025	C	#4 ACSR	7.44Y	124.1	0.00	0.93	2.93	2	21	6	96	0.00	0.0	1.987	0.019	21	6	4	4

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Balanced Voltage Drop Report
Source: Sand Gap

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.29275	PL.29274	ABC	#1/0 ACSR	7.44Y	124.0	0.02	0.95	15.48	7	331	100	96	0.04	0.0	2.033	0.069	0	0	0	112
PL.29440	PL.29275	ABC	#1/0 ACSR	7.44Y	124.0	0.01	0.96	14.72	6	315	95	96	0.02	0.0	2.071	0.038	1	0	1	110
PL.29441	PL.29440	ABC	#1/0 ACSR	7.44Y	124.0	0.02	0.98	14.66	6	313	95	96	0.04	0.0	2.143	0.071	0	0	0	109
PL.29173	PL.29441	C	#4 ACSR	7.44Y	124.0	0.00	0.98	2.87	2	20	6	96	0.00	0.0	2.155	0.013	0	0	0	5
PD.4024	PL.29173	C	30T	7.44Y	124.0	0.00	0.98	2.87	0	20	6	96	0.00	0.0	2.155	0.013	0	0	0	5
PL.29277	PD.4024	C	#4 ACSR	7.44Y	124.0	0.00	0.98	2.87	2	20	6	96	0.00	0.0	2.184	0.029	12	4	4	5
PL.29174	PL.29277	C	6 A (CWC)	7.44Y	124.0	0.00	0.99	1.17	1	8	3	94	0.00	0.0	2.249	0.064	8	3	1	1
PL.29276	PL.29441	ABC	#1/0 ACSR	7.44Y	124.0	0.03	1.01	13.70	6	293	88	96	0.07	0.0	2.278	0.135	0	0	0	104
PL.29278	PL.29276	ABC	#1/0 ACSR	7.44Y	124.0	0.03	1.04	13.70	6	293	88	96	0.06	0.0	2.389	0.111	0	0	0	104
PL.29591	PL.29278	ABC	#1/0 ACSR	7.44Y	123.9	0.02	1.06	13.70	6	293	88	96	0.04	0.0	2.478	0.090	0	0	0	104
PL.29592	PL.29591	ABC	#1/0 ACSR	7.44Y	123.9	0.00	1.07	13.70	6	293	88	96	0.00	0.0	2.482	0.004	10	3	2	104
PL.29593	PL.29592	A	6 A (CWC)	7.44Y	123.9	0.00	1.07	2.77	2	20	6	96	0.00	0.0	2.486	0.004	0	0	0	5
PD.4017	PL.29593	A	T	7.44Y	123.9	0.00	1.07	2.77	0	20	6	96	0.00	0.0	2.486	0.004	0	0	0	5
PL.29594	PD.4017	A	6 A (CWC)	7.44Y	123.9	0.00	1.07	2.77	2	20	6	96	0.00	0.0	2.509	0.023	7	2	2	5
PL.29412	PL.29594	A	6 A (CWC)	7.44Y	123.9	0.00	1.07	1.76	1	13	4	96	0.00	0.0	2.558	0.048	13	4	3	3
PL.29279	PL.29592	ABC	#1/0 ACSR	7.44Y	123.9	0.01	1.07	12.32	5	263	79	96	0.02	0.0	2.525	0.043	0	0	0	97
PL.29408	PL.29279	ABC	#1/0 ACSR	7.43Y	123.9	0.01	1.09	12.32	5	263	79	96	0.02	0.0	2.576	0.051	0	0	2	97
PL.29409	PL.29408	ABC	#1/0 ACSR	7.43Y	123.9	0.01	1.10	12.32	5	263	79	96	0.02	0.0	2.620	0.044	1	0	1	95
PL.29410	PL.29409	ABC	#1/0 ACSR	7.43Y	123.9	0.01	1.11	12.30	5	263	79	96	0.02	0.0	2.670	0.050	9	3	2	94
PL.29411	PL.29410	ABC	#1/0 ACSR	7.43Y	123.9	0.01	1.12	11.89	5	254	77	96	0.02	0.0	2.718	0.048	0	0	2	92
PL.29280	PL.29411	ABC	#1/0 ACSR	7.43Y	123.9	0.02	1.14	10.79	5	230	69	96	0.03	0.0	2.814	0.096	0	0	0	84
PL.33060	PL.29280	ABC	#1/0 ACSR	7.43Y	123.9	0.01	1.15	8.59	4	183	55	96	0.02	0.0	2.894	0.080	0	0	2	60
PL.33061	PL.33060	ABC	#1/0 ACSR	7.43Y	123.8	0.01	1.16	8.57	4	183	55	96	0.02	0.0	2.984	0.090	15	4	4	58
PL.29405	PL.33061	ABC	#1/0 ACSR	7.43Y	123.8	0.02	1.18	7.89	3	168	51	96	0.02	0.0	3.106	0.122	0	0	0	54
PL.29281	PL.29405	ABC	#1/0 ACSR	7.43Y	123.8	0.01	1.19	7.65	3	163	49	96	0.01	0.0	3.189	0.083	0	0	0	53
PL.29282	PL.29281	ABC	#1/0 ACSR	7.43Y	123.8	0.01	1.20	7.05	3	150	45	96	0.01	0.0	3.252	0.063	0	0	0	51
PL.29183	PL.29282	ABC	#1/0 ACSR	7.43Y	123.8	0.01	1.21	5.79	3	124	37	96	0.01	0.0	3.349	0.097	0	0	0	42
PL.29188	PL.29183	A	#2 ACSR	7.43Y	123.8	0.00	1.21	0.07	0	0	0	100	0.00	0.0	3.353	0.004	0	0	0	1
PD.4013	PL.29188	A	40T	7.43Y	123.8	0.00	1.21	0.07	0	0	0	100	0.00	0.0	3.353	0.004	0	0	0	1
PL.29284	PD.4013	A	#2 ACSR	7.43Y	123.8	0.00	1.21	0.00	0	0	0	100	0.00	0.0	3.388	0.035	0	0	0	0
PL.29187	PD.4013	A	#1/0 ACSR	7.43Y	123.8	0.00	1.21	0.07	0	0	0	100	0.00	0.0	3.374	0.021	0	0	1	1

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Balanced Voltage Drop Report
Source: Sand Gap

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.29283	PL.29183	ABC	#1/0 ACSR	7.43Y	123.8	0.00	1.21	5.77	3	123	37	96	0.00	0.0	3.381	0.032	12	4	4	41
PL.29286	PL.29283	ABC	#1/0 ACSR	7.43Y	123.8	0.01	1.22	5.23	2	111	34	96	0.00	0.0	3.441	0.060	4	1	2	37
PL.29190	PL.29286	ABC	#1/0 ACSR	7.43Y	123.8	0.01	1.23	5.05	2	108	32	96	0.01	0.0	3.518	0.077	0	0	0	35
PL.29577	PL.29190	A	#4 ACSR	7.43Y	123.8	0.01	1.23	5.92	5	42	13	96	0.00	0.0	3.542	0.024	0	0	0	12
PD.4009	PL.29577	A	40T	7.43Y	123.8	0.00	1.23	5.92	0	42	13	96	0.00	0.0	3.542	0.024	0	0	0	12
PL.29578	PD.4009	A	#4 ACSR	7.43Y	123.8	0.00	1.24	5.92	5	42	13	96	0.00	0.0	3.554	0.013	2	0	1	12
PL.29403	PL.29578	A	#4 ACSR	7.42Y	123.7	0.03	1.26	5.69	4	40	12	96	0.01	0.0	3.655	0.101	0	0	0	11
PL.29348	PL.29403	A	#4 ACSR	7.42Y	123.7	0.02	1.28	5.69	4	40	12	96	0.00	0.0	3.752	0.097	25	7	5	11
PL.29192	PL.29348	A	#4 ACSR	7.42Y	123.7	0.01	1.28	1.29	1	9	3	95	0.00	0.0	3.864	0.112	0	0	0	4
PL.29349	PL.29192	A	#4 ACSR	7.42Y	123.7	0.01	1.29	1.29	1	9	3	95	0.00	0.0	3.988	0.125	0	0	0	4
PL.29288	PL.29349	A	#4 ACSR	7.42Y	123.7	0.00	1.29	0.42	0	3	1	95	0.00	0.0	4.079	0.090	0	0	0	2
PL.29350	PL.29288	A	#4 ACSR	7.42Y	123.7	0.00	1.30	0.42	0	3	1	95	0.00	0.0	4.166	0.087	0	0	0	2
PL.29351	PL.29350	A	#4 ACSR	7.42Y	123.7	0.00	1.30	0.42	0	3	1	95	0.00	0.0	4.238	0.072	3	1	2	2
PL.29193	PL.29349	A	#4 ACSR	7.42Y	123.7	0.00	1.29	0.87	1	6	2	95	0.00	0.0	4.037	0.049	6	2	2	2
PL.29287	PL.29348	A	#4 ACSR	7.42Y	123.7	0.00	1.28	0.90	1	6	2	95	0.00	0.0	3.835	0.084	6	2	2	2
PL.29191	PL.29190	C	6 A (CWC)	7.43Y	123.8	0.01	1.23	9.24	7	66	20	96	0.00	0.0	3.535	0.017	0	0	0	23
PL.29371	PL.29191	C	6 A (CWC)	7.43Y	123.8	0.00	1.24	9.24	7	66	20	96	0.00	0.0	3.540	0.005	0	0	0	23
PD.4077	PL.29371	C	40T	7.43Y	123.8	0.00	1.24	9.24	0	66	20	96	0.00	0.0	3.540	0.005	0	0	0	23
PL.29401	PD.4077	C	6 A (CWC)	7.42Y	123.7	0.05	1.29	6.91	5	49	15	96	0.02	0.0	3.712	0.172	8	2	2	20
PL.29402	PL.29401	C	6 A (CWC)	7.42Y	123.7	0.02	1.30	5.84	4	42	13	96	0.00	0.0	3.772	0.060	5	1	1	18
PL.29400	PL.29402	C	6 A (CWC)	7.42Y	123.7	0.01	1.31	5.18	4	37	11	96	0.00	0.0	3.793	0.021	0	0	0	17
PL.29394	PL.29400	C	6 A (CWC)	7.42Y	123.7	0.04	1.35	4.59	3	33	10	96	0.01	0.0	3.998	0.205	0	0	1	16
PL.29395	PL.29394	C	6 A (CWC)	7.42Y	123.6	0.01	1.36	4.58	3	33	10	96	0.00	0.0	4.044	0.046	4	1	1	15
PL.29391	PL.29395	C	6 A (CWC)	7.42Y	123.6	0.01	1.37	3.98	3	28	9	95	0.00	0.0	4.104	0.060	4	1	2	14
PL.29197	PL.29391	C	#4 ACSR	7.42Y	123.6	0.00	1.37	0.29	0	2	1	89	0.00	0.0	4.180	0.076	2	1	2	2
PL.29575	PL.29391	C	#4 ACSR	7.42Y	123.6	0.00	1.37	1.79	1	13	4	96	0.00	0.0	4.109	0.005	0	0	0	4
PD.4008	PL.29575	C	20T	7.42Y	123.6	0.00	1.37	1.79	0	13	4	96	0.00	0.0	4.109	0.005	0	0	0	4
PL.29576	PD.4008	C	#4 ACSR	7.42Y	123.6	0.01	1.38	1.79	1	13	4	96	0.00	0.0	4.215	0.107	0	0	0	4
PL.29398	PL.29576	C	#4 ACSR	7.42Y	123.6	0.01	1.39	1.79	1	13	4	96	0.00	0.0	4.343	0.128	6	2	2	4
PL.29399	PL.29398	C	#4 ACSR	7.42Y	123.6	0.00	1.39	0.97	1	7	2	96	0.00	0.0	4.365	0.021	0	0	0	2
PL.29366	PL.29399	C	#4 ACSR	7.42Y	123.6	0.00	1.39	0.97	1	7	2	96	0.00	0.0	4.427	0.063	0	0	0	2

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Balanced Voltage Drop Report
Source: Sand Gap

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.29396	PL.29366	C	#4 ACSR	7.42Y	123.6	0.00	1.39	0.97	1	7	2	96	0.00	0.0	4.583	0.156	5	2	1	2
PL.29397	PL.29396	C	#4 ACSR	7.42Y	123.6	0.00	1.39	0.22	0	2	0	100	0.00	0.0	4.721	0.138	2	0	1	1
PL.29392	PL.29391	C	6 A (CWC)	7.42Y	123.6	0.00	1.37	1.28	1	9	3	95	0.00	0.0	4.159	0.055	3	1	4	6
PL.29393	PL.29392	C	6 A (CWC)	7.42Y	123.6	0.00	1.38	0.83	1	6	2	95	0.00	0.0	4.255	0.096	0	0	0	2
PL.29352	PL.29393	C	6 A (CWC)	7.42Y	123.6	0.00	1.38	0.83	1	6	2	95	0.00	0.0	4.352	0.097	0	0	0	2
PL.29370	PL.29352	C	6 A (CWC)	7.42Y	123.6	0.00	1.38	0.83	1	6	2	95	0.00	0.0	4.477	0.125	0	0	0	2
PL.29353	PL.29370	C	6 A (CWC)	7.42Y	123.6	0.01	1.39	0.83	1	6	2	95	0.00	0.0	4.643	0.167	0	0	1	2
PL.29198	PL.29353	C	#4 ACSR	7.42Y	123.6	0.00	1.39	0.83	1	6	2	95	0.00	0.0	4.673	0.030	6	2	1	1
PL.29196	PL.29400	C	#1/0 ACSR	7.42Y	123.7	0.00	1.31	0.59	0	4	1	97	0.00	0.0	3.896	0.103	4	1	1	1
PL.29194	PD.4077	C	#4 ACSR	7.43Y	123.8	0.00	1.24	2.33	2	17	5	96	0.00	0.0	3.578	0.039	8	2	1	3
PL.29195	PL.29194	C	#1/0 ACSR	7.43Y	123.8	0.00	1.24	1.25	1	9	3	95	0.00	0.0	3.599	0.020	9	3	2	2
PL.29184	PL.29282	C	#2 ACSR	7.43Y	123.8	0.00	1.20	3.77	2	27	8	96	0.00	0.0	3.277	0.025	0	0	0	9
PL.29579	PL.29184	C	6 A (CWC)	7.43Y	123.8	0.00	1.20	3.77	3	27	8	96	0.00	0.0	3.282	0.005	0	0	0	9
PD.4010	PL.29579	C	20T	7.43Y	123.8	0.00	1.20	3.77	0	27	8	96	0.00	0.0	3.282	0.005	0	0	0	9
PL.29580	PD.4010	C	6 A (CWC)	7.43Y	123.8	0.00	1.20	3.77	3	27	8	96	0.00	0.0	3.292	0.011	17	5	7	9
PL.29185	PL.29580	C	6 A (CWC)	7.43Y	123.8	0.01	1.22	1.45	1	10	3	96	0.00	0.0	3.501	0.208	0	0	0	2
PL.29186	PL.29185	C	#1/0 ACSR	7.43Y	123.8	0.00	1.22	0.68	0	5	1	98	0.00	0.0	3.576	0.075	5	1	1	1
PL.29285	PL.29185	C	6 A (CWC)	7.43Y	123.8	0.00	1.22	0.77	1	5	2	93	0.00	0.0	3.550	0.050	5	2	1	1
PL.29581	PL.29281	C	#4 ACSR	7.43Y	123.8	0.00	1.19	1.81	1	13	4	96	0.00	0.0	3.194	0.005	0	0	0	2
PD.4011	PL.29581	C	40T	7.43Y	123.8	0.00	1.19	1.81	0	13	4	96	0.00	0.0	3.194	0.005	0	0	0	2
PL.29582	PD.4011	C	#4 ACSR	7.43Y	123.8	0.00	1.19	1.81	1	13	4	96	0.00	0.0	3.217	0.024	13	4	2	2
PL.29583	PL.29405	C	#4 ACSR	7.43Y	123.8	0.00	1.18	0.70	1	5	2	93	0.00	0.0	3.111	0.005	0	0	0	1
PD.4012	PL.29583	C	40T	7.43Y	123.8	0.00	1.18	0.70	0	5	2	93	0.00	0.0	3.111	0.005	0	0	0	1
PL.29584	PD.4012	C	#4 ACSR	7.43Y	123.8	0.00	1.18	0.70	1	5	2	93	0.00	0.0	3.127	0.016	5	2	1	1
PL.29585	PL.29280	B	#2 ACSR	7.43Y	123.9	0.00	1.14	6.62	4	47	14	96	0.00	0.0	2.819	0.005	0	0	0	24
PD.4014	PL.29585	B	40T	7.43Y	123.9	0.00	1.14	6.62	0	47	14	96	0.00	0.0	2.819	0.005	0	0	0	24
PL.29586	PD.4014	B	#2 ACSR	7.43Y	123.9	0.01	1.14	6.62	4	47	14	96	0.00	0.0	2.850	0.031	15	5	10	24
PL.29289	PL.29586	B	#2 ACSR	7.43Y	123.9	0.00	1.15	3.97	2	28	9	95	0.00	0.0	2.882	0.032	1	0	1	12
PL.29179	PL.29289	B	#2 ACSR	7.43Y	123.9	0.00	1.15	1.46	1	10	3	96	0.00	0.0	2.944	0.062	10	3	3	3
PL.29180	PL.29289	B	#4 ACSR	7.43Y	123.8	0.01	1.15	2.23	2	16	5	95	0.00	0.0	2.989	0.107	10	3	2	3
PL.29182	PL.29180	B	#1/0 ACSR	7.43Y	123.8	0.00	1.15	0.82	0	6	2	95	0.00	0.0	3.002	0.013	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: Sand Gap

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.29553	PL.29182	B	#1/0 ACSR	7.43Y	123.8	0.00	1.16	0.82	0	6	2	95	0.00	0.0	3.068	0.066	0	0	0	1
PL.29554	PL.29553	B	#1/0 ACSR	7.43Y	123.8	0.00	1.16	0.82	0	6	2	95	0.00	0.0	3.168	0.100	0	0	0	1
PL.29347	PL.29554	B	#1/0 ACSR	7.43Y	123.8	0.00	1.16	0.82	0	6	2	95	0.00	0.0	3.270	0.103	6	2	1	1
PL.29406	PL.29289	B	#4 ACSR	7.43Y	123.9	0.00	1.15	0.19	0	1	0	100	0.00	0.0	2.927	0.045	0	0	4	5
PL.29407	PL.29406	B	#4 ACSR	7.43Y	123.9	0.00	1.15	0.19	0	1	0	100	0.00	0.0	2.958	0.030	1	0	1	1
PL.29177	PL.29407	B	#4 ACSR	7.43Y	123.9	0.00	1.15	0.00	0	0	0	100	0.00	0.0	3.006	0.048	0	0	0	0
PL.29178	PL.29586	B	6 A (CWC)	7.43Y	123.9	0.00	1.14	0.54	0	4	1	97	0.00	0.0	2.935	0.086	1	0	1	2
PL.29252	PL.29178	B	6 A (CWC)	7.43Y	123.9	0.00	1.15	0.36	0	3	1	95	0.00	0.0	3.033	0.098	0	0	0	1
PL.29181	PL.29252	B	#2 ACSR	7.43Y	123.9	0.00	1.15	0.36	0	3	1	95	0.00	0.0	3.090	0.057	3	1	1	1
PL.29587	PL.29411	C	6 A (CWC)	7.43Y	123.9	0.00	1.12	3.28	2	23	7	96	0.00	0.0	2.722	0.004	0	0	0	6
PD.4015	PL.29587	C	40T	7.43Y	123.9	0.00	1.12	3.28	0	23	7	96	0.00	0.0	2.722	0.004	0	0	0	6
PL.29588	PD.4015	C	6 A (CWC)	7.43Y	123.9	0.01	1.13	3.28	2	23	7	96	0.00	0.0	2.796	0.074	4	1	1	6
PL.29175	PL.29588	C	6 A (CWC)	7.43Y	123.9	0.00	1.13	2.75	2	20	6	96	0.00	0.0	2.837	0.041	13	4	3	5
PL.29176	PL.29175	C	#4 ACSR	7.43Y	123.9	0.00	1.13	0.86	1	6	2	95	0.00	0.0	2.904	0.067	6	2	2	2
PL.29589	PL.29279	A	#1/0 ACSR	7.44Y	123.9	0.00	1.07	0.00	0	0	0	100	0.00	0.0	2.529	0.004	0	0	0	0
PD.4016	PL.29589	A	40T	7.44Y	123.9	0.00	1.07	0.00	0	0	0	100	0.00	0.0	2.529	0.004	0	0	0	0
PL.29590	PD.4016	A	#1/0 ACSR	7.44Y	123.9	0.00	1.07	0.00	0	0	0	100	0.00	0.0	2.552	0.023	0	0	0	0
PL.29607	PL.29275	C	#4 ACSR	7.44Y	124.0	0.00	0.95	2.29	2	16	5	95	0.00	0.0	2.038	0.005	0	0	0	2
PD.4027	PL.29607	C	40T	7.44Y	124.0	0.00	0.95	2.29	0	16	5	95	0.00	0.0	2.038	0.005	0	0	0	2
PL.29608	PD.4027	C	#4 ACSR	7.44Y	124.0	0.00	0.95	2.29	2	16	5	95	0.00	0.0	2.075	0.037	16	5	2	2
PL.29617	PL.29172	C	6 A (CWC)	7.45Y	124.2	0.00	0.76	0.43	0	3	1	95	0.00	0.0	1.445	0.004	0	0	0	2
PD.4033	PL.29617	C	T	7.45Y	124.2	0.00	0.76	0.43	0	3	1	95	0.00	0.0	1.445	0.004	0	0	0	2
PL.29618	PD.4033	C	6 A (CWC)	7.45Y	124.2	0.00	0.76	0.43	0	3	1	95	0.00	0.0	1.476	0.031	3	1	2	2
PL.29658	PL.29377	C	6 A (CWC)	7.47Y	124.5	0.00	0.51	4.18	3	30	9	96	0.00	0.0	0.825	0.004	0	0	0	8
PD.4082	PL.29658	C	40T	7.47Y	124.5	0.00	0.51	4.18	0	30	9	96	0.00	0.0	0.825	0.004	0	0	0	8
PL.29659	PD.4082	C	6 A (CWC)	7.47Y	124.5	0.00	0.51	4.18	3	30	9	96	0.00	0.0	0.829	0.004	0	0	0	8
PL.29378	PL.29659	C	#4 ACSR	7.47Y	124.5	0.01	0.51	3.21	2	23	7	96	0.00	0.0	0.894	0.065	10	3	2	7
PL.29149	PL.29378	C	#4 ACSR	7.47Y	124.5	0.00	0.51	0.54	0	4	1	97	0.00	0.0	0.928	0.035	4	1	2	2
PL.29379	PL.29378	C	#4 ACSR	7.47Y	124.5	0.00	0.51	1.29	1	9	3	95	0.00	0.0	0.909	0.016	9	3	3	3
PL.29272	PL.29659	C	6 A (CWC)	7.47Y	124.5	0.00	0.51	0.97	1	7	2	96	0.00	0.0	0.872	0.043	7	2	1	1
PL.29006	PL.29145	A	6 A (CWC)	7.47Y	124.5	0.00	0.46	4.04	3	29	9	96	0.00	0.0	0.738	0.004	0	0	0	9

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Balanced Voltage Drop Report
Source: Sand Gap

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.4057	PL.29006	A	40T	7.47Y	124.5	0.00	0.46	4.04	0	29	9	96	0.00	0.0	0.738	0.004	0	0	0	9
PL.29007	PD.4057	A	6 A (CWC)	7.47Y	124.5	0.02	0.48	4.04	3	29	9	96	0.00	0.0	0.832	0.094	6	2	3	9
PL.29502	PL.29007	A	6 A (CWC)	7.47Y	124.5	0.02	0.50	3.20	2	23	7	96	0.00	0.0	0.970	0.138	0	0	0	6
PL.29148	PL.29502	A	#4 ACSR	7.47Y	124.5	0.00	0.50	1.32	1	9	3	95	0.00	0.0	1.047	0.077	9	3	3	3
PL.29530	PL.29502	A	6 A (CWC)	7.47Y	124.5	0.01	0.50	1.88	1	13	4	96	0.00	0.0	1.059	0.089	2	1	1	3
PL.29531	PL.29530	A	6 A (CWC)	7.47Y	124.5	0.00	0.51	1.60	1	11	3	96	0.00	0.0	1.089	0.030	0	0	0	2
PL.29267	PL.29531	A	6 A (CWC)	7.47Y	124.5	0.00	0.51	0.00	0	0	0	100	0.00	0.0	1.224	0.135	0	0	0	0
PL.29147	PL.29531	A	#4 ACSR	7.47Y	124.5	0.00	0.51	1.60	1	11	3	96	0.00	0.0	1.119	0.030	11	3	2	2
PL.29008	PL.29145	A	#4 ACSR	7.47Y	124.4	0.11	0.57	15.49	12	111	33	96	0.09	0.1	0.891	0.157	0	0	0	32
PD.4058	PL.29008	A	40T	7.47Y	124.4	0.00	0.57	15.49	0	111	33	96	0.00	0.0	0.891	0.157	0	0	0	32
PL.29009	PD.4058	A	#4 ACSR	7.46Y	124.4	0.05	0.62	15.49	12	111	33	96	0.04	0.0	0.968	0.077	0	0	0	32
PL.29154	PL.29009	A	6 A (CWC)	7.46Y	124.4	0.03	0.65	15.49	11	111	33	96	0.02	0.0	1.003	0.035	0	0	0	32
PL.29156	PL.29154	A	6 A (CWC)	7.46Y	124.3	0.00	0.65	1.68	1	12	4	95	0.00	0.0	1.098	0.095	12	4	4	4
PL.29155	PL.29154	A	6 A (CWC)	7.46Y	124.4	0.00	0.65	0.25	0	2	1	89	0.00	0.0	1.016	0.013	2	1	1	1
PL.29268	PL.29154	A	6 A (CWC)	7.46Y	124.3	0.07	0.72	13.56	10	97	29	96	0.05	0.1	1.126	0.123	9	3	2	27
PL.29527	PL.29268	A	#1/0 ACSR	7.46Y	124.3	0.00	0.72	1.45	1	10	3	96	0.00	0.0	1.163	0.037	0	0	1	3
PL.29528	PL.29527	A	#1/0 ACSR	7.46Y	124.3	0.00	0.72	1.45	1	10	3	96	0.00	0.0	1.191	0.028	0	0	1	2
PL.29529	PL.29528	A	#1/0 ACSR	7.46Y	124.3	0.00	0.72	1.41	1	10	3	96	0.00	0.0	1.237	0.046	10	3	1	1
PL.33040	PL.29268	A	6 A (CWC)	7.46Y	124.3	0.00	0.72	0.00	0	0	0	100	0.00	0.0	1.127	0.002	0	0	0	0
PL.29157	PL.29268	A	6 A (CWC)	7.46Y	124.3	0.01	0.73	10.84	8	77	23	96	0.01	0.0	1.148	0.022	0	0	0	22
PL.29158	PL.29157	A	6 A (CWC)	7.46Y	124.3	0.00	0.73	3.41	2	24	7	96	0.00	0.0	1.182	0.035	24	7	4	4
PL.29270	PL.29157	A	6 A (CWC)	7.45Y	124.2	0.02	0.76	7.42	5	53	16	96	0.01	0.0	1.224	0.076	6	2	1	18
PL.29159	PL.29270	A	#4 ACSR	7.45Y	124.2	0.00	0.76	0.91	1	7	2	96	0.00	0.0	1.282	0.059	7	2	2	2
PL.29271	PL.29270	A	6 A (CWC)	7.45Y	124.2	0.02	0.78	5.71	4	41	12	96	0.01	0.0	1.314	0.091	2	0	1	15
PL.29160	PL.29271	A	6 A (CWC)	7.45Y	124.2	0.00	0.78	4.52	3	32	10	95	0.00	0.0	1.318	0.004	0	0	0	12
PD.4030	PL.29160	A	T	7.45Y	124.2	0.00	0.78	4.52	0	32	10	95	0.00	0.0	1.318	0.004	0	0	0	12
PL.29161	PD.4030	A	#4 ACSR	7.45Y	124.2	0.00	0.78	1.73	1	12	4	95	0.00	0.0	1.373	0.055	12	4	2	2
PL.29269	PD.4030	A	6 A (CWC)	7.45Y	124.2	0.01	0.79	2.79	2	20	6	96	0.00	0.0	1.418	0.100	5	1	2	10
PL.29162	PL.29269	A	6 A (CWC)	7.45Y	124.2	0.00	0.79	0.65	0	5	1	98	0.00	0.0	1.464	0.046	5	1	1	1
PL.29163	PL.29269	A	6 A (CWC)	7.45Y	124.2	0.01	0.80	1.47	1	10	3	96	0.00	0.0	1.540	0.122	0	0	0	7
PL.29346	PL.29163	A	6 A (CWC)	7.45Y	124.2	0.00	0.80	1.47	1	10	3	96	0.00	0.0	1.619	0.079	2	1	1	6

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Balanced Voltage Drop Report
Source: Sand Gap

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.29165	PL.29346	A	6 A (CWC)	7.45Y	124.2	0.00	0.80	0.00	0	0	0	100	0.00	0.0	1.691	0.072	0	0	0	0
PL.29166	PL.29165	A	#4 ACSR	7.45Y	124.2	0.00	0.80	0.00	0	0	0	100	0.00	0.0	1.756	0.065	0	0	0	0
PL.29164	PL.29346	A	6 A (CWC)	7.45Y	124.2	0.00	0.81	1.16	1	8	2	97	0.00	0.0	1.684	0.065	2	1	2	5
PL.29167	PL.29164	A	#4 ACSR	7.45Y	124.2	0.00	0.81	0.58	0	4	1	97	0.00	0.0	1.749	0.064	4	1	1	1
PL.29611	PL.29164	A	#1/0 ACSR	7.45Y	124.2	0.00	0.81	0.25	0	2	1	89	0.00	0.0	1.701	0.017	0	0	0	2
PD.4029	PL.29611	A	T	7.45Y	124.2	0.00	0.81	0.25	0	2	1	89	0.00	0.0	1.701	0.017	0	0	0	2
PL.29612	PD.4029	A	#1/0 ACSR	7.45Y	124.2	0.00	0.81	0.25	0	2	1	89	0.00	0.0	1.871	0.169	0	0	0	2
PL.29169	PL.29612	A	#4 ACSR	7.45Y	124.2	0.00	0.81	0.25	0	2	1	89	0.00	0.0	1.960	0.089	0	0	0	2
PL.29168	PL.29169	A	#4 ACSR	7.45Y	124.2	0.00	0.81	0.25	0	2	1	89	0.00	0.0	2.059	0.099	2	1	1	2
PL.29171	PL.29168	A	#4 ACSR	7.45Y	124.2	0.00	0.81	0.00	0	0	0	100	0.00	0.0	2.140	0.081	0	0	0	0
PL.29372	PL.29168	A	6 A (CWC)	7.45Y	124.2	0.00	0.81	0.00	0	0	0	100	0.00	0.0	2.138	0.079	0	0	0	1
PL.29373	PL.29372	A	6 A (CWC)	7.45Y	124.2	0.00	0.81	0.00	0	0	0	100	0.00	0.0	2.218	0.081	0	0	1	1
PL.29170	PL.29372	A	6 A (CWC)	7.45Y	124.2	0.00	0.81	0.00	0	0	0	100	0.00	0.0	2.191	0.053	0	0	0	0
PL.33062	PL.29163	A	#1/0 ACSR	7.45Y	124.2	0.00	0.80	0.00	0	0	0	100	0.00	0.0	1.558	0.018	0	0	1	1
PL.29447	PL.29271	A	#4 ACSR	7.45Y	124.2	0.00	0.78	0.98	1	7	2	96	0.00	0.0	1.350	0.036	1	0	1	2
PL.29448	PL.29447	A	#4 ACSR	7.45Y	124.2	0.00	0.78	0.78	1	6	2	95	0.00	0.0	1.389	0.039	6	2	1	1
PL.29144	PL.29676	ABC	#1/0 ACSR	7.47Y	124.6	0.00	0.42	1.38	1	30	9	96	0.00	0.0	0.704	0.031	7	2	5	12
PL.29146	PL.29144	B	#4 ACSR	7.47Y	124.6	0.00	0.42	3.13	2	22	7	95	0.00	0.0	0.752	0.048	22	7	7	7
PL.29514	PL.29556	A	#1/0 ACSR	7.48Y	124.7	0.00	0.33	5.27	2	38	11	96	0.00	0.0	0.583	0.039	1	0	1	5
PL.29515	PL.29514	A	#1/0 ACSR	7.48Y	124.7	0.00	0.33	5.20	2	37	11	96	0.00	0.0	0.599	0.016	37	11	4	4
PL.29266	PL.29510	ABC	336 MCM AC	7.48Y	124.7	0.02	0.31	68.36	13	1461	469	95	0.12	0.0	0.529	0.032	0	0	0	307
PL.29143	PL.29266	ABC	336 MCM AC	7.48Y	124.7	0.01	0.33	68.36	13	1461	469	95	0.11	0.0	0.556	0.027	0	0	0	307
PL.29016	PL.29143	A	#1/0 ACSR	7.48Y	124.7	0.00	0.33	4.30	2	31	9	96	0.00	0.0	0.561	0.004	0	0	0	7
PD.4062	PL.29016	A	65T	7.48Y	124.7	0.00	0.33	4.30	0	31	9	96	0.00	0.0	0.561	0.004	0	0	0	7
PL.29017	PD.4062	A	#1/0 ACSR	7.48Y	124.7	0.00	0.33	4.30	2	31	9	96	0.00	0.0	0.581	0.020	31	9	7	7
PL.29290	PL.29143	ABC	336 MCM AC	7.48Y	124.7	0.01	0.33	66.93	13	1430	459	95	0.06	0.0	0.571	0.015	0	0	0	300
PL.29151	PL.29290	ABC	397 SPACER	7.48Y	124.7	0.00	0.33	3.23	1	69	21	96	0.00	0.0	0.595	0.024	1	0	1	23
PL.29012	PL.29151	C	#1/0 ACSR	7.48Y	124.7	0.00	0.33	9.62	4	69	21	96	0.00	0.0	0.600	0.005	0	0	0	22
PD.4060	PL.29012	C	65T	7.48Y	124.7	0.00	0.33	9.62	0	69	21	96	0.00	0.0	0.600	0.005	0	0	0	22
PL.29013	PD.4060	C	#1/0 ACSR	7.48Y	124.7	0.00	0.34	9.62	4	69	21	96	0.00	0.0	0.604	0.005	13	4	2	22
PL.29505	PL.29013	C	#1/0 ACSR	7.48Y	124.7	0.00	0.34	5.26	2	38	11	96	0.00	0.0	0.627	0.023	15	5	6	16

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Balanced Voltage Drop Report
Source: Sand Gap

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----			
																KW	KVAR	Cons On	Cons Thru	
PL.29506	PL.29505	C	#1/0 ACSR	7.48Y	124.7	0.00	0.34	3.14	1	23	7	96	0.00	0.0	0.665	0.038	23	7	10	10
PL.29503	PL.29013	C	#1/0 ACSR	7.48Y	124.7	0.00	0.34	2.53	1	18	5	96	0.00	0.0	0.646	0.042	3	1	1	4
PL.29504	PL.29503	C	#1/0 ACSR	7.48Y	124.7	0.00	0.34	2.09	1	15	5	95	0.00	0.0	0.718	0.073	9	3	2	3
PL.29152	PL.29504	C	#4 ACSR	7.48Y	124.7	0.00	0.34	0.79	1	6	2	95	0.00	0.0	0.758	0.040	6	2	1	1
PL.29291	PL.29290	ABC	336 MCM AC	7.48Y	124.7	0.01	0.35	63.70	12	1361	438	95	0.10	0.0	0.601	0.030	0	0	0	277
PL.29014	PL.29291	C	#2 ACSR	7.48Y	124.7	0.00	0.35	3.15	2	23	7	96	0.00	0.0	0.605	0.005	0	0	0	4
PD.4061	PL.29014	C	65T	7.48Y	124.7	0.00	0.35	3.15	0	23	7	96	0.00	0.0	0.605	0.005	0	0	0	4
PL.29015	PD.4061	C	#2 ACSR	7.48Y	124.7	0.00	0.35	3.15	2	23	7	96	0.00	0.0	0.610	0.005	7	2	2	4
PL.29508	PL.29015	C	#2 ACSR	7.48Y	124.6	0.00	0.35	2.15	1	15	5	95	0.00	0.0	0.648	0.038	3	1	1	2
PL.29507	PL.29508	C	#2 ACSR	7.48Y	124.6	0.00	0.35	1.72	1	12	4	95	0.00	0.0	0.684	0.036	12	4	1	1
PL.29292	PL.29291	ABC	336 MCM AC	7.48Y	124.6	0.02	0.37	62.65	12	1338	431	95	0.15	0.0	0.646	0.045	5	2	1	273
PL.29293	PL.29292	ABC	336 MCM AC	7.47Y	124.6	0.05	0.42	62.40	12	1332	429	95	0.33	0.0	0.748	0.102	0	0	0	271
PL.29294	PL.29293	ABC	336 MCM AC	7.47Y	124.6	0.02	0.44	62.25	12	1329	427	95	0.12	0.0	0.785	0.038	0	0	0	269
PL.29496	PL.29294	ABC	336 MCM AC	7.47Y	124.5	0.01	0.45	61.77	12	1318	424	95	0.09	0.0	0.813	0.027	0	0	0	267
PL.29497	PL.29496	ABC	336 MCM AC	7.47Y	124.5	0.02	0.47	61.77	12	1318	424	95	0.13	0.0	0.853	0.040	9	3	1	267
PL.29201	PL.29497	ABC	336 MCM AC	7.47Y	124.5	0.02	0.49	61.34	12	1309	421	95	0.16	0.0	0.904	0.051	0	0	0	266
PL.29495	PL.29201	ABC	336 MCM AC	7.47Y	124.5	0.01	0.51	51.33	10	1102	328	96	0.08	0.0	0.939	0.035	1	0	1	253
PL.29679	PL.29495	ABC	336 MCM AC	7.47Y	124.4	0.04	0.55	51.28	10	1101	328	96	0.25	0.0	1.052	0.113	0	0	0	252
PL.29680	PL.29679	ABC	336 MCM AC	7.47Y	124.4	0.01	0.57	51.28	10	1101	327	96	0.07	0.0	1.085	0.033	0	0	0	252
PL.29206	PL.29680	ABC	336 MCM AC	7.47Y	124.4	0.01	0.57	29.23	6	627	189	96	0.03	0.0	1.127	0.042	0	0	0	148
PL.29671	PL.29206	C	#1/0 ACSR	7.47Y	124.4	0.00	0.58	6.70	3	48	14	96	0.00	0.0	1.130	0.003	0	0	0	18
PD.4090	PL.29671	C	35L	7.47Y	124.4	0.00	0.58	6.70	19	48	14	96	0.00	0.0	1.130	0.003	0	0	0	18
PL.29672	PD.4090	C	#1/0 ACSR	7.46Y	124.4	0.01	0.59	6.70	3	48	14	96	0.00	0.0	1.197	0.067	0	0	0	18
PL.29358	PL.29672	C	#1/0 ACSR	7.46Y	124.4	0.03	0.62	6.70	3	48	14	96	0.01	0.0	1.385	0.188	0	0	0	18
PL.29359	PL.29358	C	#1/0 ACSR	7.46Y	124.4	0.01	0.63	6.70	3	48	14	96	0.00	0.0	1.461	0.076	0	0	0	18
PL.29360	PL.29359	C	#1/0 ACSR	7.46Y	124.4	0.02	0.65	6.70	3	48	14	96	0.01	0.0	1.573	0.112	0	0	0	18
PL.29468	PL.29360	C	#1/0 ACSR	7.46Y	124.3	0.01	0.65	6.70	3	48	14	96	0.00	0.0	1.641	0.068	11	3	2	18
PL.29469	PL.29468	C	#1/0 ACSR	7.46Y	124.3	0.01	0.66	5.21	2	37	11	96	0.00	0.0	1.689	0.048	8	2	2	16
PL.29457	PL.29469	C	#1/0 ACSR	7.46Y	124.3	0.01	0.67	4.12	2	29	9	96	0.00	0.0	1.756	0.067	0	0	1	14
PL.29455	PL.29457	C	#4 ACSR	7.46Y	124.3	0.01	0.68	4.09	3	29	9	96	0.00	0.0	1.811	0.055	7	2	2	13
PL.29456	PL.29455	C	#4 ACSR	7.46Y	124.3	0.01	0.68	3.12	2	22	7	95	0.00	0.0	1.881	0.070	9	3	4	11

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Balanced Voltage Drop Report
Source: Sand Gap

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru

PL.29454	PL.29456	C	#4 ACSR	7.46Y	124.3	0.01	0.69	1.80	1	13	4	96	0.00	0.0	1.981	0.101	8	2	3	7
PL.29449	PL.29454	C	#4 ACSR	7.46Y	124.3	0.00	0.69	0.68	1	5	1	98	0.00	0.0	2.070	0.088	1	0	1	4
PL.29426	PL.29449	C	#4 ACSR	7.46Y	124.3	0.00	0.69	0.57	0	4	1	97	0.00	0.0	2.203	0.133	0	0	0	3
PL.29413	PL.29426	C	#4 ACSR	7.46Y	124.3	0.00	0.70	0.57	0	4	1	97	0.00	0.0	2.280	0.078	1	0	1	3
PL.29414	PL.29413	C	#4 ACSR	7.46Y	124.3	0.00	0.70	0.38	0	3	1	95	0.00	0.0	2.386	0.106	0	0	0	2
PL.29296	PL.29414	C	#4 ACSR	7.46Y	124.3	0.00	0.70	0.09	0	1	0	100	0.00	0.0	2.472	0.086	1	0	1	1
PL.29210	PL.29414	C	#1/0 ACSR	7.46Y	124.3	0.00	0.70	0.29	0	2	1	89	0.00	0.0	2.521	0.135	0	0	0	1
PL.29361	PL.29210	C	#1/0 ACSR	7.46Y	124.3	0.00	0.70	0.29	0	2	1	89	0.00	0.0	2.674	0.153	0	0	0	1
PL.29362	PL.29361	C	#1/0 ACSR	7.46Y	124.3	0.00	0.70	0.29	0	2	1	89	0.00	0.0	2.757	0.083	2	1	1	1
PL.29312	PL.29426	C	#4 ACSR	7.46Y	124.3	0.00	0.69	0.00	0	0	0	100	0.00	0.0	2.249	0.046	0	0	0	0
PL.29475	PL.29206	ABC	#3/0 ACSR	7.47Y	124.4	0.00	0.58	25.51	9	547	165	96	0.01	0.0	1.135	0.007	13	4	2	122
PL.29476	PL.29475	ABC	#3/0 ACSR	7.46Y	124.4	0.02	0.60	24.89	8	534	161	96	0.08	0.0	1.213	0.078	22	7	4	120
PL.29473	PL.29476	ABC	#3/0 ACSR	7.46Y	124.4	0.02	0.62	22.96	8	492	149	96	0.07	0.0	1.292	0.079	6	2	1	110
PL.29474	PL.29473	ABC	#3/0 ACSR	7.46Y	124.3	0.03	0.66	22.66	8	486	147	96	0.10	0.0	1.411	0.119	0	0	0	109
PL.29472	PL.29474	ABC	#3/0 ACSR	7.46Y	124.3	0.03	0.69	22.66	8	486	147	96	0.09	0.0	1.520	0.109	0	0	0	109
PL.29461	PL.29472	ABC	#3/0 ACSR	7.46Y	124.3	0.01	0.70	20.09	7	430	130	96	0.03	0.0	1.572	0.052	12	4	3	98
PL.29462	PL.29461	ABC	#3/0 ACSR	7.46Y	124.3	0.01	0.72	19.53	7	418	126	96	0.03	0.0	1.629	0.057	28	8	8	95
PL.29458	PL.29462	ABC	#3/0 ACSR	7.46Y	124.3	0.01	0.73	18.24	6	391	118	96	0.03	0.0	1.691	0.063	0	0	0	87
PL.29450	PL.29458	ABC	#3/0 ACSR	7.46Y	124.3	0.01	0.74	18.24	6	391	118	96	0.02	0.0	1.725	0.034	21	6	3	87
PL.29315	PL.29450	ABC	#3/0 ACSR	7.45Y	124.2	0.02	0.76	16.28	5	349	105	96	0.03	0.0	1.802	0.077	0	0	0	79
PL.29238	PL.29315	C	#4 ACSR	7.45Y	124.2	0.00	0.76	3.84	3	27	8	96	0.00	0.0	1.806	0.004	0	0	0	6
PD.4023	PL.29238	C	30T	7.45Y	124.2	0.00	0.76	3.84	0	27	8	96	0.00	0.0	1.806	0.004	0	0	0	6
PL.29428	PD.4023	C	#4 ACSR	7.45Y	124.2	0.01	0.76	2.84	2	20	6	96	0.00	0.0	1.870	0.064	5	1	1	4
PL.29429	PL.29428	C	#4 ACSR	7.45Y	124.2	0.00	0.77	2.19	2	16	5	95	0.00	0.0	1.932	0.061	7	2	1	3
PL.29427	PL.29429	C	#4 ACSR	7.45Y	124.2	0.00	0.77	1.18	1	8	3	94	0.00	0.0	1.984	0.052	8	3	2	2
PL.29237	PD.4023	C	#4 ACSR	7.45Y	124.2	0.00	0.76	1.00	1	7	2	96	0.00	0.0	1.831	0.025	7	2	2	2
PL.29316	PL.29315	ABC	#3/0 ACSR	7.45Y	124.2	0.00	0.76	12.64	4	271	82	96	0.01	0.0	1.830	0.028	0	0	0	67
PL.29601	PL.29316	A	#1/0 ACSR	7.45Y	124.2	0.00	0.76	0.74	0	5	2	93	0.00	0.0	1.835	0.005	0	0	0	1
PD.4022	PL.29601	A	65T	7.45Y	124.2	0.00	0.76	0.74	0	5	2	93	0.00	0.0	1.835	0.005	0	0	0	1
PL.29602	PD.4022	A	#1/0 ACSR	7.45Y	124.2	0.00	0.76	0.74	0	5	2	93	0.00	0.0	1.847	0.012	5	2	1	1
PL.29318	PL.29316	ABC	#3/0 ACSR	7.45Y	124.2	0.01	0.78	12.39	4	265	80	96	0.02	0.0	1.920	0.090	20	6	10	66

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Balanced Voltage Drop Report
Source: Sand Gap

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----			
																KW	KVAR	Cons On	Cons Thru	
PL.29319	PL.29318	ABC	#3/0 ACSR	7.45Y	124.2	0.01	0.78	11.47	4	246	74	96	0.01	0.0	1.985	0.065	0	0	0	56
PL.29599	PL.29319	A	6 A (CWC)	7.45Y	124.2	0.00	0.79	2.38	2	17	5	96	0.00	0.0	1.990	0.004	0	0	0	7
PD.4021	PL.29599	A	65T	7.45Y	124.2	0.00	0.79	2.38	0	17	5	96	0.00	0.0	1.990	0.004	0	0	0	7
PL.29600	PD.4021	A	6 A (CWC)	7.45Y	124.2	0.00	0.79	2.38	2	17	5	96	0.00	0.0	2.006	0.017	3	1	1	7
PL.29432	PL.29600	A	6 A (CWC)	7.45Y	124.2	0.00	0.79	1.94	1	14	4	96	0.00	0.0	2.065	0.059	11	3	4	6
PL.29433	PL.29432	A	6 A (CWC)	7.45Y	124.2	0.00	0.79	0.45	0	3	1	95	0.00	0.0	2.175	0.110	1	0	1	2
PL.29431	PL.29433	A	6 A (CWC)	7.45Y	124.2	0.00	0.79	0.33	0	2	1	89	0.00	0.0	2.252	0.077	2	1	1	1
PL.29424	PL.29319	ABC	#3/0 ACSR	7.45Y	124.2	0.01	0.79	10.68	4	229	69	96	0.01	0.0	2.042	0.057	19	6	5	49
PL.29425	PL.29424	ABC	#3/0 ACSR	7.45Y	124.2	0.01	0.80	9.79	3	210	63	96	0.01	0.0	2.100	0.057	9	3	7	44
PL.29241	PL.29425	C	#4 ACSR	7.45Y	124.2	0.00	0.80	7.46	6	53	16	96	0.00	0.0	2.104	0.005	0	0	0	12
PD.4019	PL.29241	C	65T	7.45Y	124.2	0.00	0.80	7.46	0	53	16	96	0.00	0.0	2.104	0.005	0	0	0	12
PL.29322	PD.4019	C	#4 ACSR	7.45Y	124.2	0.00	0.80	0.90	1	6	2	95	0.00	0.0	2.165	0.060	6	2	1	1
PL.29242	PD.4019	C	#4 ACSR	7.45Y	124.2	0.02	0.82	6.56	5	47	14	96	0.01	0.0	2.189	0.084	8	3	2	11
PL.29249	PL.29242	C	6 A (CWC)	7.45Y	124.2	0.00	0.83	2.53	2	18	5	96	0.00	0.0	2.271	0.082	18	5	3	3
PL.29420	PL.29242	C	#4 ACSR	7.45Y	124.2	0.00	0.83	2.85	2	20	6	96	0.00	0.0	2.218	0.030	6	2	1	6
PL.29421	PL.29420	C	#4 ACSR	7.45Y	124.2	0.01	0.84	1.97	2	14	4	96	0.00	0.0	2.354	0.135	2	1	1	5
PL.29243	PL.29421	C	#4 ACSR	7.45Y	124.2	0.00	0.84	0.72	1	5	2	93	0.00	0.0	2.410	0.056	5	2	2	2
PL.29323	PL.29421	C	#4 ACSR	7.45Y	124.2	0.01	0.84	0.93	1	7	2	96	0.00	0.0	2.489	0.136	0	0	0	2
PL.29363	PL.29323	C	#4 ACSR	7.45Y	124.2	0.00	0.85	0.93	1	7	2	96	0.00	0.0	2.594	0.105	2	1	1	2
PL.29250	PL.29363	C	#4 ACSR	7.45Y	124.2	0.00	0.85	0.67	1	5	1	98	0.00	0.0	2.635	0.041	5	1	1	1
PL.29320	PL.29425	ABC	#3/0 ACSR	7.45Y	124.2	0.01	0.81	6.87	2	147	44	96	0.01	0.0	2.188	0.088	0	0	0	25
PL.29422	PL.29320	C	6 A (CWC)	7.45Y	124.2	0.00	0.81	2.96	2	21	6	96	0.00	0.0	2.204	0.017	9	3	1	4
PL.29423	PL.29422	C	6 A (CWC)	7.45Y	124.2	0.00	0.81	1.63	1	12	4	95	0.00	0.0	2.256	0.052	12	4	3	3
PL.29321	PL.29320	ABC	#3/0 ACSR	7.45Y	124.2	0.01	0.81	5.88	2	126	38	96	0.01	0.0	2.285	0.097	0	0	0	21
PL.29597	PL.29321	C	#4 ACSR	7.45Y	124.2	0.00	0.82	6.38	5	46	14	96	0.00	0.0	2.289	0.005	0	0	0	8
PD.4020	PL.29597	C	T	7.45Y	124.2	0.00	0.82	6.38	0	46	14	96	0.00	0.0	2.289	0.005	0	0	0	8
PL.29598	PD.4020	C	#4 ACSR	7.45Y	124.2	0.02	0.83	6.38	5	46	14	96	0.00	0.0	2.357	0.068	15	4	2	8
PL.29247	PL.29598	C	#1/0 ACSR	7.45Y	124.2	0.00	0.83	1.82	1	13	4	96	0.00	0.0	2.394	0.036	13	4	1	1
PL.29324	PL.29598	C	#4 ACSR	7.45Y	124.2	0.00	0.84	0.86	1	6	2	95	0.00	0.0	2.449	0.091	0	0	0	1
PL.29364	PL.29324	C	#4 ACSR	7.45Y	124.2	0.00	0.84	0.86	1	6	2	95	0.00	0.0	2.564	0.115	0	0	0	1
PL.29248	PL.29364	C	#1/0 ACSR	7.45Y	124.2	0.00	0.84	0.86	0	6	2	95	0.00	0.0	2.634	0.070	6	2	1	1

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Balanced Voltage Drop Report
Source: Sand Gap

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.29246	PL.29598	C	#4 ACSR	7.45Y	124.2	0.00	0.84	1.61	1	11	3	96	0.00	0.0	2.418	0.061	0	0	0	4
PL.29244	PL.29246	C	#4 ACSR	7.45Y	124.2	0.00	0.84	1.61	1	11	3	96	0.00	0.0	2.455	0.037	10	3	2	4
PL.29245	PL.29244	C	#4 ACSR	7.45Y	124.2	0.00	0.84	0.28	0	2	1	89	0.00	0.0	2.497	0.042	2	1	2	2
PL.29325	PL.29321	ABC	#3/0 ACSR	7.45Y	124.2	0.00	0.82	3.76	1	80	24	96	0.00	0.0	2.379	0.094	0	0	0	13
PL.29418	PL.29325	ABC	#3/0 ACSR	7.45Y	124.2	0.00	0.82	3.76	1	80	24	96	0.00	0.0	2.477	0.098	7	2	1	13
PL.29419	PL.29418	ABC	#3/0 ACSR	7.45Y	124.2	0.00	0.83	3.45	1	74	22	96	0.00	0.0	2.569	0.092	0	0	0	12
PL.29365	PL.29419	ABC	#3/0 ACSR	7.45Y	124.2	0.00	0.83	3.45	1	74	22	96	0.00	0.0	2.670	0.101	0	0	0	12
PL.29416	PL.29365	ABC	#3/0 ACSR	7.45Y	124.2	0.00	0.83	3.45	1	74	22	96	0.00	0.0	2.748	0.078	20	6	6	12
PL.29417	PL.29416	ABC	#3/0 ACSR	7.45Y	124.2	0.00	0.84	2.51	1	54	16	96	0.00	0.0	2.846	0.098	0	0	0	6
PL.29381	PL.29417	ABC	#3/0 ACSR	7.45Y	124.2	0.00	0.84	0.47	0	10	3	96	0.00	0.0	2.850	0.004	0	0	0	4
PL.29415	PL.29381	ABC	#3/0 ACSR	7.45Y	124.2	0.00	0.84	0.47	0	10	3	96	0.00	0.0	3.017	0.167	10	3	4	4
PL.29663	PL.29415	ABC	#3/0 ACSR	7.45Y	124.2	0.00	0.84	0.00	0	0	0	100	0.00	0.0	3.116	0.098	0	0	0	0
PD.4086-A	PL.29663	ABC	Open	7.45Y	124.2	0.00	0.84	0.00	0	0	0	100	0.00	0.0	3.116	0.098	0	0	0	0
PL.29251	PL.29417	ABC	#3/0 ACSR	7.45Y	124.2	0.00	0.84	1.76	1	38	11	96	0.00	0.0	2.851	0.005	38	11	1	1
PL.29595	PL.29417	A	6 A (CWC)	7.45Y	124.2	0.00	0.84	0.85	1	6	2	95	0.00	0.0	2.851	0.005	0	0	0	1
PD.4018	PL.29595	A	T	7.45Y	124.2	0.00	0.84	0.85	0	6	2	95	0.00	0.0	2.851	0.005	0	0	0	1
PL.29596	PD.4018	A	6 A (CWC)	7.45Y	124.2	0.00	0.84	0.85	1	6	2	95	0.00	0.0	2.916	0.065	6	2	1	1
PL.29656	PL.29315	A	#4 ACSR	7.45Y	124.2	0.00	0.76	7.08	5	51	15	96	0.00	0.0	1.807	0.004	0	0	0	6
PD.4081	PL.29656	A	65T	7.45Y	124.2	0.00	0.76	7.08	0	51	15	96	0.00	0.0	1.807	0.004	0	0	0	6
PL.29657	PD.4081	A	#4 ACSR	7.45Y	124.2	0.01	0.76	7.08	5	51	15	96	0.00	0.0	1.834	0.027	30	9	1	6
PL.29430	PL.29657	A	#4 ACSR	7.45Y	124.2	0.01	0.77	2.81	2	20	6	96	0.00	0.0	1.901	0.066	0	0	0	5
PL.29317	PL.29430	A	#4 ACSR	7.45Y	124.2	0.00	0.78	1.74	1	12	4	95	0.00	0.0	1.955	0.055	5	2	2	3
PL.29240	PL.29317	A	#4 ACSR	7.45Y	124.2	0.00	0.78	0.99	1	7	2	96	0.00	0.0	2.026	0.071	7	2	1	1
PL.29239	PL.29430	A	#4 ACSR	7.45Y	124.2	0.00	0.77	1.07	1	8	2	97	0.00	0.0	1.953	0.052	8	2	2	2
PL.29661	PL.29450	ABC	#4 ACSR	7.46Y	124.3	0.00	0.74	1.00	1	21	6	96	0.00	0.0	1.730	0.005	0	0	0	5
PD.4085	PL.29661	ABC	65T	7.46Y	124.3	0.00	0.74	1.00	0	21	6	96	0.00	0.0	1.730	0.005	0	0	0	5
PL.29662	PD.4085	ABC	#4 ACSR	7.46Y	124.3	0.00	0.74	1.00	1	21	6	96	0.00	0.0	1.751	0.021	5	2	1	5
PL.29451	PL.29662	ABC	#4 ACSR	7.46Y	124.3	0.00	0.74	0.76	1	16	5	95	0.00	0.0	1.803	0.052	0	0	0	4
PL.29236	PL.29451	ABC	#4 ACSR	7.46Y	124.3	0.00	0.74	0.00	0	0	0	100	0.00	0.0	1.820	0.017	0	0	0	0
PL.29452	PL.29451	A	#4 ACSR	7.46Y	124.3	0.00	0.74	2.27	2	16	5	95	0.00	0.0	1.822	0.019	8	2	2	4
PL.29453	PL.29452	A	#4 ACSR	7.46Y	124.3	0.00	0.75	1.17	1	8	3	94	0.00	0.0	1.852	0.030	8	3	2	2

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Balanced Voltage Drop Report
Source: Sand Gap

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.29613	PL.29472	C	#4 ACSR	7.46Y	124.3	0.00	0.69	0.25	0	2	1	89	0.00	0.0	1.524	0.004	0	0	0	1
PD.4031	PL.29613	C	65T	7.46Y	124.3	0.00	0.69	0.25	0	2	1	89	0.00	0.0	1.524	0.004	0	0	0	1
PL.29614	PD.4031	C	#4 ACSR	7.46Y	124.3	0.00	0.69	0.25	0	2	1	89	0.00	0.0	1.585	0.061	2	1	1	1
PL.29654	PL.29472	A	6 A (CWC)	7.46Y	124.3	0.00	0.69	7.47	5	53	16	96	0.00	0.0	1.524	0.004	0	0	0	10
PD.4080	PL.29654	A	65T	7.46Y	124.3	0.00	0.69	7.47	0	53	16	96	0.00	0.0	1.524	0.004	0	0	0	10
PL.29655	PD.4080	A	6 A (CWC)	7.46Y	124.3	0.02	0.71	7.47	5	53	16	96	0.01	0.0	1.572	0.048	8	3	1	10
PL.29463	PL.29655	A	6 A (CWC)	7.46Y	124.3	0.00	0.71	6.29	4	45	14	95	0.00	0.0	1.581	0.009	6	2	1	9
PL.28394	PL.29463	A	6 A (CWC)	7.46Y	124.3	0.01	0.72	3.45	2	25	7	96	0.00	0.0	1.621	0.040	0	0	0	6
PL.28395	PL.28394	A	#2 ACSR	7.46Y	124.3	0.00	0.72	3.45	2	25	7	96	0.00	0.0	1.659	0.038	0	0	1	6
PL.29313	PL.28395	A	#2 ACSR	7.46Y	124.3	0.01	0.73	1.78	1	13	4	96	0.00	0.0	1.828	0.169	8	2	1	3
PL.29235	PL.29313	A	6 A (CWC)	7.46Y	124.3	0.00	0.73	0.63	0	4	1	97	0.00	0.0	1.849	0.021	0	0	0	2
PL.29459	PL.29235	A	#4 ACSR	7.46Y	124.3	0.00	0.73	0.63	0	4	1	97	0.00	0.0	1.921	0.071	0	0	0	2
PL.29460	PL.29459	A	#4 ACSR	7.46Y	124.3	0.00	0.73	0.63	0	4	1	97	0.00	0.0	1.963	0.042	0	0	0	2
PL.29314	PL.29460	A	#4 ACSR	7.46Y	124.3	0.00	0.73	0.41	0	3	1	95	0.00	0.0	2.072	0.109	3	1	1	1
PL.29466	PL.29460	A	#4 ACSR	7.46Y	124.3	0.00	0.73	0.22	0	2	0	100	0.00	0.0	2.107	0.144	0	0	0	1
PL.29467	PL.29466	A	#4 ACSR	7.46Y	124.3	0.00	0.73	0.22	0	2	0	100	0.00	0.0	2.126	0.020	2	0	1	1
PL.29234	PL.28395	A	#4 ACSR	7.46Y	124.3	0.00	0.72	1.68	1	12	4	95	0.00	0.0	1.739	0.079	12	4	2	2
PL.29464	PL.29463	A	#2 ACSR	7.46Y	124.3	0.00	0.71	2.04	1	15	4	97	0.00	0.0	1.638	0.056	8	2	1	2
PL.29465	PL.29464	A	#2 ACSR	7.46Y	124.3	0.00	0.71	0.90	1	6	2	95	0.00	0.0	1.681	0.043	6	2	1	1
PL.29211	PL.29476	C	6 A (CWC)	7.46Y	124.4	0.00	0.60	2.70	2	19	6	95	0.00	0.0	1.217	0.004	0	0	0	6
PD.4034	PL.29211	C	65T	7.46Y	124.4	0.00	0.60	2.70	0	19	6	95	0.00	0.0	1.217	0.004	0	0	0	6
PL.28392	PD.4034	C	#2 ACSR	7.46Y	124.4	0.00	0.60	1.23	1	9	3	95	0.00	0.0	1.282	0.065	0	0	1	4
PL.29298	PL.28392	C	#2 ACSR	7.46Y	124.4	0.00	0.61	0.89	1	6	2	95	0.00	0.0	1.337	0.055	6	2	1	1
PL.28393	PL.28392	C	6 A (CWC)	7.46Y	124.4	0.00	0.60	0.33	0	2	1	89	0.00	0.0	1.324	0.042	2	1	2	2
PL.29297	PD.4034	C	6 A (CWC)	7.46Y	124.4	0.00	0.60	1.48	1	11	3	96	0.00	0.0	1.252	0.035	0	0	0	2
PL.28391	PL.29297	C	#1/0 ACSR	7.46Y	124.4	0.00	0.60	1.48	1	11	3	96	0.00	0.0	1.270	0.018	11	3	2	2
PL.29208	PL.29206	ABC	#3/0 ACSR	7.47Y	124.4	0.00	0.58	1.49	0	32	10	95	0.00	0.0	1.170	0.042	8	3	3	8
PL.29209	PL.29208	ABC	#3/0 ACSR	7.47Y	124.4	0.00	0.58	0.96	0	21	6	96	0.00	0.0	1.197	0.027	0	0	1	4
PL.29203	PL.29209	B	#1/0 ACSR	7.47Y	124.4	0.00	0.58	2.81	1	20	6	96	0.00	0.0	1.263	0.066	20	6	3	3
PL.29619	PL.29208	C	#2 ACSR	7.47Y	124.4	0.00	0.58	0.42	0	3	1	95	0.00	0.0	1.174	0.005	0	0	0	1
PD.4035	PL.29619	C	T	7.47Y	124.4	0.00	0.58	0.42	0	3	1	95	0.00	0.0	1.174	0.005	0	0	0	1

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Balanced Voltage Drop Report
Source: Sand Gap

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.29620	PD.4035	C	#2 ACSR	7.47Y	124.4	0.00	0.58	0.42	0	3	1	95	0.00	0.0	1.263	0.088	3	1	1	1
PL.29207	PL.29680	ABC	#1/0 ACSR	7.47Y	124.4	0.02	0.58	22.05	10	474	138	96	0.06	0.0	1.129	0.044	0	0	0	104
PL.29623	PL.29207	A	#1/0 ACSR	7.47Y	124.4	0.00	0.58	0.72	0	5	2	93	0.00	0.0	1.134	0.005	0	0	0	1
PD.4037	PL.29623	A	65T	7.47Y	124.4	0.00	0.58	0.72	0	5	2	93	0.00	0.0	1.134	0.005	0	0	0	1
PL.29624	PD.4037	A	#1/0 ACSR	7.47Y	124.4	0.00	0.58	0.72	0	5	2	93	0.00	0.0	1.155	0.021	5	2	1	1
PL.29299	PL.29207	ABC	#1/0 ACSR	7.46Y	124.4	0.02	0.61	21.81	9	469	136	96	0.07	0.0	1.188	0.059	1	0	1	103
PL.29625	PL.29299	A	#1/0 ACSR	7.46Y	124.4	0.00	0.61	0.02	0	0	0	100	0.00	0.0	1.193	0.005	0	0	0	1
PD.4038	PL.29625	A	65T	7.46Y	124.4	0.00	0.61	0.02	0	0	0	100	0.00	0.0	1.193	0.005	0	0	0	1
PL.29626	PD.4038	A	#1/0 ACSR	7.46Y	124.4	0.00	0.61	0.02	0	0	0	100	0.00	0.0	1.237	0.044	0	0	1	1
PL.29481	PL.29626	A	#1/0 ACSR	7.46Y	124.4	0.00	0.61	0.00	0	0	0	100	0.00	0.0	1.280	0.043	0	0	0	0
PL.29300	PL.29299	ABC	#1/0 ACSR	7.46Y	124.4	0.02	0.62	21.75	9	468	136	96	0.06	0.0	1.232	0.044	0	0	0	101
PL.29677	PL.29300	ABC	#1/0 ACSR	7.46Y	124.4	0.02	0.65	19.93	9	429	124	96	0.07	0.0	1.297	0.065	0	0	0	94
PD.4094	PL.29677	ABC	50L	7.46Y	124.4	0.00	0.65	19.93	40	429	124	96	0.00	0.0	1.297	0.065	0	0	0	94
PL.29678	PD.4094	ABC	#1/0 ACSR	7.46Y	124.3	0.06	0.70	19.93	9	429	124	96	0.16	0.0	1.453	0.156	6	2	1	94
PL.29487	PL.29678	ABC	#1/0 ACSR	7.46Y	124.3	0.02	0.73	19.64	9	422	122	96	0.06	0.0	1.515	0.062	0	0	0	93
PL.29215	PL.29487	C	#2 ACSR	7.46Y	124.3	0.00	0.73	1.12	1	8	2	97	0.00	0.0	1.540	0.025	0	0	0	1
PL.28984	PL.29215	C	6 A (CWC)	7.46Y	124.3	0.00	0.73	1.12	1	8	2	97	0.00	0.0	1.545	0.005	0	0	0	1
PD.4045	PL.28984	C	20T	7.46Y	124.3	0.00	0.73	1.12	0	8	2	97	0.00	0.0	1.545	0.005	0	0	0	1
PL.28985	PD.4045	C	6 A (CWC)	7.46Y	124.3	0.00	0.73	1.12	1	8	2	97	0.00	0.0	1.627	0.082	8	2	1	1
PL.29214	PL.29487	ABC	#1/0 ACSR	7.45Y	124.2	0.04	0.77	19.27	8	414	119	96	0.12	0.0	1.641	0.126	0	0	0	92
PL.29301	PL.29214	ABC	#1/0 ACSR	7.45Y	124.2	0.04	0.81	17.44	8	375	107	96	0.11	0.0	1.780	0.138	2	0	1	82
PL.29304	PL.29301	ABC	#1/0 ACSR	7.45Y	124.2	0.03	0.84	16.22	7	349	99	96	0.07	0.0	1.875	0.096	0	0	1	76
PL.29383	PL.29304	ABC	#1/0 ACSR	7.45Y	124.1	0.01	0.85	16.22	7	349	99	96	0.03	0.0	1.914	0.039	0	0	0	75
PL.29384	PL.29383	ABC	#1/0 ACSR	7.45Y	124.1	0.01	0.86	6.95	3	149	45	96	0.01	0.0	1.963	0.049	0	0	0	41
PL.29385	PL.29384	ABC	#1/0 ACSR	7.45Y	124.1	0.00	0.86	6.94	3	148	45	96	0.00	0.0	1.997	0.033	0	0	0	40
PL.29224	PL.29385	A	6 A (CWC)	7.44Y	124.1	0.08	0.95	19.38	14	138	42	96	0.09	0.1	2.092	0.095	3	1	2	38
PL.29222	PL.29224	A	6 A (CWC)	7.44Y	124.0	0.07	1.02	19.02	14	135	41	96	0.07	0.1	2.176	0.084	0	0	0	36
PL.29483	PL.29222	A	6 A (CWC)	7.43Y	123.9	0.12	1.14	19.02	14	135	41	96	0.12	0.1	2.314	0.138	7	2	4	36
PL.29484	PL.29483	A	6 A (CWC)	7.43Y	123.8	0.03	1.17	18.07	13	129	39	96	0.03	0.0	2.355	0.041	0	0	0	32
PL.29485	PL.29484	A	6 A (CWC)	7.42Y	123.7	0.08	1.25	17.08	12	122	37	96	0.07	0.1	2.458	0.104	8	2	1	31
PL.29486	PL.29485	A	6 A (CWC)	7.42Y	123.7	0.09	1.34	16.01	11	114	34	96	0.07	0.1	2.578	0.120	0	0	0	30

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Balanced Voltage Drop Report
Source: Sand Gap

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru

PL.29227	PL.29486	A	6 A (CWC)	7.42Y	123.6	0.02	1.36	3.47	2	25	7	96	0.00	0.0	2.680	0.102	2	1	1	5
PL.29311	PL.29227	A	6 A (CWC)	7.42Y	123.6	0.00	1.36	1.84	1	13	4	96	0.00	0.0	2.732	0.052	6	2	1	2
PL.29233	PL.29311	A	#1/0 ACSR	7.42Y	123.6	0.00	1.36	1.01	0	7	2	96	0.00	0.0	2.875	0.142	7	2	1	1
PL.29232	PL.29227	A	#4 ACSR	7.42Y	123.6	0.00	1.36	1.34	1	10	3	96	0.00	0.0	2.726	0.045	10	3	2	2
PL.29305	PL.29486	A	6 A (CWC)	7.42Y	123.6	0.02	1.36	12.54	9	89	27	96	0.02	0.0	2.619	0.041	0	0	0	25
PL.29228	PL.29305	A	6 A (CWC)	7.42Y	123.6	0.00	1.37	12.54	9	89	27	96	0.00	0.0	2.624	0.005	0	0	0	25
PD.4047	PL.29228	A	20T	7.42Y	123.6	0.00	1.37	12.54	0	89	27	96	0.00	0.0	2.624	0.005	0	0	0	25
PL.29229	PD.4047	A	#1/0 ACSR	7.42Y	123.6	0.00	1.37	0.81	0	6	2	95	0.00	0.0	2.718	0.094	0	0	0	1
PL.29230	PL.29229	A	#1/0 ACSR	7.42Y	123.6	0.00	1.37	0.81	0	6	2	95	0.00	0.0	2.795	0.077	6	2	1	1
PL.29310	PD.4047	A	6 A (CWC)	7.41Y	123.6	0.05	1.42	11.73	8	83	25	96	0.03	0.0	2.718	0.094	0	0	0	24
PL.29231	PL.29310	A	#1/0 ACSR	7.41Y	123.6	0.00	1.42	0.69	0	5	1	98	0.00	0.0	2.752	0.034	5	1	1	1
PL.29309	PL.29310	A	6 A (CWC)	7.41Y	123.5	0.09	1.51	11.04	8	78	24	96	0.05	0.1	2.903	0.185	0	0	0	23
PL.28373	PL.29309	A	6 A (CWC)	7.41Y	123.5	0.00	1.51	0.00	0	0	0	100	0.00	0.0	2.994	0.091	0	0	1	2
PL.28374	PL.28373	A	#4 ACSR	7.41Y	123.5	0.00	1.51	0.00	0	0	0	100	0.00	0.0	3.092	0.098	0	0	1	1
PL.29538	PL.29309	A	6 A (CWC)	7.41Y	123.4	0.06	1.57	11.04	8	78	24	96	0.03	0.0	3.015	0.111	1	0	1	21
PL.29539	PL.29538	A	6 A (CWC)	7.40Y	123.4	0.04	1.60	10.89	8	77	23	96	0.02	0.0	3.088	0.074	0	0	0	20
PL.28372	PL.29539	A	#4 ACSR	7.40Y	123.3	0.08	1.68	9.61	7	68	21	96	0.04	0.1	3.266	0.178	0	0	0	18
PL.29357	PL.28372	A	#4 ACSR	7.40Y	123.3	0.04	1.72	9.61	7	68	21	96	0.02	0.0	3.365	0.099	0	0	0	18
PL.29436	PL.29357	A	#4 ACSR	7.39Y	123.2	0.04	1.76	9.61	7	68	21	96	0.02	0.0	3.455	0.090	4	1	1	18
PL.29437	PL.29436	A	#4 ACSR	7.39Y	123.2	0.02	1.78	9.00	7	64	19	96	0.01	0.0	3.497	0.042	0	0	0	17
PL.29438	PL.29437	A	#4 ACSR	7.39Y	123.2	0.02	1.80	8.29	6	59	18	96	0.01	0.0	3.558	0.061	5	1	1	14
PL.29439	PL.29438	A	#4 ACSR	7.39Y	123.2	0.04	1.84	7.63	6	54	16	96	0.01	0.0	3.662	0.104	0	0	0	13
PL.29540	PL.29439	A	#4 ACSR	7.39Y	123.1	0.04	1.87	7.63	6	54	16	96	0.01	0.0	3.773	0.111	8	2	2	13
PL.29541	PL.29540	A	#4 ACSR	7.39Y	123.1	0.04	1.91	6.50	5	46	14	96	0.01	0.0	3.909	0.137	5	2	2	11
PL.28375	PL.29541	A	#4 ACSR	7.38Y	123.1	0.03	1.94	5.77	4	41	12	96	0.01	0.0	4.028	0.118	9	3	2	9
PL.28376	PL.28375	A	#4 ACSR	7.38Y	123.1	0.00	1.94	0.46	0	3	1	95	0.00	0.0	4.095	0.068	3	1	2	2
PL.29306	PL.28375	A	#4 ACSR	7.38Y	123.1	0.01	1.94	3.98	3	28	8	96	0.00	0.0	4.085	0.058	9	3	2	5
PL.29307	PL.29306	A	#4 ACSR	7.38Y	123.1	0.00	1.95	1.53	1	11	3	96	0.00	0.0	4.152	0.067	11	3	2	2
PL.28377	PL.29306	A	#4 ACSR	7.38Y	123.1	0.00	1.95	1.22	1	9	3	95	0.00	0.0	4.163	0.078	9	3	1	1
PL.29434	PL.29437	A	#4 ACSR	7.39Y	123.2	0.00	1.78	0.71	1	5	2	93	0.00	0.0	3.543	0.046	0	0	1	3
PL.29435	PL.29434	A	#4 ACSR	7.39Y	123.2	0.00	1.78	0.69	1	5	1	98	0.00	0.0	3.575	0.031	5	1	2	2

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Balanced Voltage Drop Report
Source: Sand Gap

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.29308	PL.29539	A	6 A (CWC)	7.40Y	123.4	0.01	1.61	1.28	1	9	3	95	0.00	0.0	3.264	0.176	0	0	0	2
PL.29356	PL.29308	A	6 A (CWC)	7.40Y	123.4	0.00	1.62	1.28	1	9	3	95	0.00	0.0	3.327	0.062	5	2	1	2
PL.28371	PL.29356	A	#1/0 ACSR	7.40Y	123.4	0.00	1.62	0.57	0	4	1	97	0.00	0.0	3.356	0.029	0	0	0	1
PL.28370	PL.28371	A	#1/0 ACSR	7.40Y	123.4	0.00	1.62	0.57	0	4	1	97	0.00	0.0	3.433	0.077	4	1	1	1
PL.29226	PL.29484	A	#4 ACSR	7.43Y	123.8	0.00	1.17	0.98	1	7	2	96	0.00	0.0	2.401	0.046	7	2	1	1
PL.29223	PL.29385	B	#1/0 ACSR	7.45Y	124.1	0.00	0.86	1.44	1	10	3	96	0.00	0.0	2.010	0.014	0	0	0	2
PL.29629	PL.29223	B	1/0 AL URD	7.45Y	124.1	0.00	0.86	1.44	1	10	3	96	0.00	0.0	2.015	0.005	0	0	0	2
PD.4040	PL.29629	B	20T	7.45Y	124.1	0.00	0.86	1.44	0	10	3	96	0.00	0.0	2.015	0.005	0	0	0	2
PL.28978	PD.4040	B	1/0 AL URD	7.45Y	124.1	0.00	0.86	1.44	1	10	3	96	0.00	0.0	2.049	0.034	10	3	2	2
PL.28979	PL.29384	C	#4 ACSR	7.45Y	124.1	0.00	0.86	0.03	0	0	0	100	0.00	0.0	1.968	0.005	0	0	0	1
PD.4041	PL.28979	C	20T	7.45Y	124.1	0.00	0.86	0.03	0	0	0	100	0.00	0.0	1.968	0.005	0	0	0	1
PL.28980	PD.4041	C	#4 ACSR	7.45Y	124.1	0.00	0.86	0.03	0	0	0	100	0.00	0.0	2.011	0.044	0	0	1	1
PL.29627	PL.29383	B	#1/0 ACSR	7.45Y	124.1	0.00	0.86	27.81	12	200	55	96	0.00	0.0	1.918	0.004	0	0	0	34
PD.4039	PL.29627	B	20T	7.45Y	124.1	0.00	0.86	27.81	0	200	55	96	0.00	0.0	1.918	0.004	0	0	0	34
PL.29628	PD.4039	B	#1/0 ACSR	7.45Y	124.1	0.03	0.89	27.81	12	200	55	96	0.04	0.0	1.970	0.052	6	2	2	34
PL.29482	PL.29628	B	#1/0 ACSR	7.44Y	124.1	0.05	0.93	27.00	12	194	53	96	0.06	0.0	2.043	0.072	0	0	0	32
PL.28981	PL.29482	B	1/0 AL URD	7.44Y	124.1	0.00	0.93	11.09	7	80	21	97	0.00	0.0	2.047	0.004	0	0	0	13
PD.4042	PL.28981	B	12T	7.44Y	124.1	0.00	0.93	11.09	0	80	21	97	0.00	0.0	2.047	0.004	0	0	0	13
PL.28378	PD.4042	B	1/0 AL URD	7.44Y	124.0	0.03	0.96	11.09	7	80	21	97	0.02	0.0	2.126	0.079	0	0	1	13
PL.28382	PL.28378	B	1/0 AL URD	7.44Y	124.0	0.00	0.96	0.88	1	6	2	95	0.00	0.0	2.151	0.025	6	2	1	1
PL.29387	PL.28378	B	1/0 AL URD	7.44Y	124.0	0.02	0.98	10.23	6	74	20	97	0.01	0.0	2.192	0.066	6	2	1	11
PL.28380	PL.29387	B	1/0 AL URD	7.44Y	124.0	0.00	0.98	1.20	1	9	2	98	0.00	0.0	2.229	0.037	9	3	2	2
PL.29570	PL.29387	B	1/0 AL URD	7.44Y	124.0	0.03	1.01	8.14	5	59	16	97	0.01	0.0	2.308	0.116	8	2	1	8
PL.29571	PL.29570	B	1/0 AL URD	7.44Y	124.0	0.01	1.02	7.01	4	50	14	96	0.00	0.0	2.340	0.033	0	0	0	7
PL.29568	PL.29571	B	1/0 AL URD	7.44Y	124.0	0.01	1.02	5.41	3	39	10	97	0.00	0.0	2.388	0.048	11	3	2	6
PL.29569	PL.29568	B	1/0 AL URD	7.44Y	124.0	0.01	1.03	3.82	2	28	7	97	0.00	0.0	2.453	0.064	7	2	1	4
PL.29567	PL.29569	B	1/0 AL URD	7.44Y	124.0	0.00	1.03	2.87	2	21	5	97	0.00	0.0	2.509	0.056	6	2	1	3
PL.29572	PL.29567	B	1/0 AL URD	7.44Y	124.0	0.00	1.04	2.06	1	15	4	97	0.00	0.0	2.563	0.054	15	4	2	2
PL.28381	PL.29572	B	1/0 AL URD	7.44Y	124.0	-0.00	1.04	-0.08	0	0	-1	0	0.00	0.0	2.702	0.139	0	0	0	0
PL.29225	PL.29571	B	1/0 AL URD	7.44Y	124.0	0.00	1.02	1.60	1	11	3	96	0.00	0.0	2.343	0.003	0	0	0	1
PL.28986	PL.29225	B	#1/0 ACSR	7.44Y	124.0	0.00	1.02	1.60	1	11	3	96	0.00	0.0	2.348	0.005	0	0	0	1

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Balanced Voltage Drop Report
Source: Sand Gap

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.4046	PL.28986	B	T	7.44Y	124.0	0.00	1.02	1.60	0	11	3	96	0.00	0.0	2.348	0.005	0	0	0	1
PL.28987	PD.4046	B	#1/0 ACSR	7.44Y	124.0	0.00	1.02	1.60	1	11	3	96	0.00	0.0	2.409	0.061	11	3	1	1
PL.29660	PL.29482	B	1/0 AL URD	7.44Y	124.1	0.00	0.94	15.91	9	114	32	96	0.00	0.0	2.048	0.005	0	0	0	19
PD.4083	PL.29660	B	12T	7.44Y	124.1	0.00	0.94	15.91	0	114	32	96	0.00	0.0	2.048	0.005	0	0	0	19
PL.29386	PD.4083	B	1/0 AL URD	7.44Y	124.0	0.04	0.98	15.91	9	114	32	96	0.04	0.0	2.137	0.090	13	4	3	19
PL.29565	PL.29386	B	1/0 AL URD	7.44Y	124.0	0.02	1.00	14.08	8	101	28	96	0.02	0.0	2.198	0.060	13	4	2	16
PL.29566	PL.29565	B	1/0 AL URD	7.44Y	124.0	0.01	1.02	12.29	7	88	24	96	0.01	0.0	2.230	0.032	1	0	1	14
PL.29557	PL.29566	B	1/0 AL URD	7.44Y	124.0	0.01	1.02	12.09	7	87	24	96	0.00	0.0	2.248	0.019	3	1	1	13
PL.29558	PL.29557	B	1/0 AL URD	7.44Y	124.0	0.01	1.03	11.61	7	83	23	96	0.00	0.0	2.267	0.019	13	4	3	12
PL.29559	PL.29558	B	1/0 AL URD	7.44Y	124.0	0.02	1.05	9.83	6	71	19	97	0.01	0.0	2.337	0.069	17	5	2	9
PL.29388	PL.29559	B	1/0 AL URD	7.44Y	123.9	0.03	1.08	7.51	4	54	15	96	0.01	0.0	2.481	0.145	16	5	2	7
PL.29563	PL.29388	B	1/0 AL URD	7.43Y	123.9	0.01	1.08	5.23	3	38	10	97	0.00	0.0	2.539	0.058	10	3	1	5
PL.29564	PL.29563	B	1/0 AL URD	7.43Y	123.9	0.00	1.09	3.80	2	27	7	97	0.00	0.0	2.578	0.039	3	1	1	4
PL.29561	PL.29564	B	1/0 AL URD	7.43Y	123.9	0.00	1.09	2.61	2	19	5	97	0.00	0.0	2.602	0.024	19	6	2	2
PL.29562	PL.29561	B	1/0 AL URD	7.43Y	123.9	-0.00	1.09	-0.06	0	0	0	100	0.00	0.0	2.669	0.067	0	0	0	0
PL.29560	PL.29562	B	1/0 AL URD	7.43Y	123.9	-0.00	1.09	-0.02	0	0	0	100	0.00	0.0	2.711	0.043	0	0	0	0
PL.28379	PL.29564	B	1/0 AL URD	7.43Y	123.9	0.00	1.09	0.81	0	6	2	95	0.00	0.0	2.614	0.036	6	2	1	1
PL.28982	PL.29301	C	#4 ACSR	7.45Y	124.2	0.00	0.81	3.45	3	25	7	96	0.00	0.0	1.784	0.005	0	0	0	5
PD.4043	PL.28982	C	T	7.45Y	124.2	0.00	0.81	3.45	0	25	7	96	0.00	0.0	1.784	0.005	0	0	0	5
PL.28983	PD.4043	C	#4 ACSR	7.45Y	124.2	0.00	0.82	3.45	3	25	7	96	0.00	0.0	1.831	0.047	25	7	5	5
PL.29217	PL.29214	C	6 A (CWC)	7.45Y	124.2	0.00	0.77	5.47	4	39	12	96	0.00	0.0	1.646	0.005	0	0	0	10
PD.4044	PL.29217	C	20T	7.45Y	124.2	0.00	0.77	5.47	0	39	12	96	0.00	0.0	1.646	0.005	0	0	0	10
PL.29216	PD.4044	C	#4 ACSR	7.45Y	124.2	0.00	0.77	1.71	1	12	4	95	0.00	0.0	1.668	0.022	12	4	6	6
PL.29302	PD.4044	C	6 A (CWC)	7.45Y	124.2	0.01	0.78	3.76	3	27	8	96	0.00	0.0	1.684	0.039	0	0	0	4
PL.29218	PL.29302	C	#4 ACSR	7.45Y	124.2	0.01	0.79	2.64	2	19	6	95	0.00	0.0	1.760	0.075	0	0	0	2
PL.29354	PL.29218	C	#4 ACSR	7.45Y	124.2	0.01	0.80	2.64	2	19	6	95	0.00	0.0	1.860	0.100	0	0	0	2
PL.29355	PL.29354	C	#4 ACSR	7.45Y	124.2	0.00	0.80	2.64	2	19	6	95	0.00	0.0	1.916	0.056	14	4	1	2
PL.29221	PL.29355	C	#4 ACSR	7.45Y	124.2	0.00	0.80	0.73	1	5	2	93	0.00	0.0	1.930	0.014	5	2	1	1
PL.29303	PL.29302	C	6 A (CWC)	7.45Y	124.2	0.00	0.78	1.12	1	8	2	97	0.00	0.0	1.731	0.047	8	2	1	2
PL.29220	PL.29303	C	6 A (CWC)	7.45Y	124.2	0.00	0.78	0.00	0	0	0	100	0.00	0.0	1.848	0.117	0	0	0	0
PL.29219	PL.29303	C	#2 ACSR	7.45Y	124.2	0.00	0.78	0.00	0	0	0	100	0.00	0.0	1.778	0.047	0	0	1	1

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.29621	PL.29300	A	#2 ACSR	7.46Y	124.4	0.00	0.62	5.45	3	39	12	96	0.00	0.0	1.237	0.005	0	0	0	7
PD.4036	PL.29621	A	20T	7.46Y	124.4	0.00	0.62	5.45	0	39	12	96	0.00	0.0	1.237	0.005	0	0	0	7
PL.29622	PD.4036	A	#2 ACSR	7.46Y	124.4	0.01	0.63	5.45	3	39	12	96	0.00	0.0	1.267	0.030	0	0	1	7
PL.29479	PL.29622	A	#1/0 ACSR	7.46Y	124.4	0.00	0.63	5.45	2	39	12	96	0.00	0.0	1.304	0.036	0	0	0	6
PL.29480	PL.29479	A	#1/0 ACSR	7.46Y	124.4	0.00	0.64	5.45	2	39	12	96	0.00	0.0	1.339	0.035	0	0	0	6
PL.29477	PL.29480	A	#1/0 ACSR	7.46Y	124.4	0.00	0.64	4.22	2	30	9	96	0.00	0.0	1.370	0.031	9	3	1	4
PL.29478	PL.29477	A	#1/0 ACSR	7.46Y	124.4	0.00	0.64	2.92	1	21	6	96	0.00	0.0	1.411	0.042	0	0	0	3
PL.29213	PL.29478	A	#2 ACSR	7.46Y	124.4	0.00	0.65	1.23	1	9	3	95	0.00	0.0	1.568	0.157	9	3	2	2
PL.29326	PL.29478	A	#1/0 ACSR	7.46Y	124.4	0.00	0.64	1.69	1	12	4	95	0.00	0.0	1.436	0.025	12	4	1	1
PL.29212	PL.29480	A	#2 ACSR	7.46Y	124.4	0.00	0.64	1.24	1	9	3	95	0.00	0.0	1.356	0.017	9	3	2	2
CP.44	PL.29679	ABC	Cap (300)	7.47Y	124.4	0.00	0.55	0.00	0	0	0	100	0.00	0.0	1.052	0.017	0	0	0	0
PL.29199	PL.29201	ABC	#1/0 ACSR	7.47Y	124.5	0.00	0.50	10.08	4	206	92	91	0.00	0.0	0.908	0.004	0	0	0	13
PD.4084	PL.29199	ABC	30T	7.47Y	124.5	0.00	0.50	10.08	0	206	92	91	0.00	0.0	0.908	0.004	0	0	0	13
PL.29295	PD.4084	ABC	#1/0 ACSR	7.47Y	124.5	0.00	0.50	9.58	4	196	89	91	0.00	0.0	0.920	0.012	0	0	0	11
PL.29204	PL.29295	ABC	#4 ACSR	7.47Y	124.5	0.03	0.52	9.17	7	187	86	91	0.04	0.0	0.998	0.077	15	5	4	10
PL.28998	PL.29204	C	#2 ACSR	7.47Y	124.5	0.00	0.52	2.24	1	16	5	95	0.00	0.0	1.002	0.005	0	0	0	5
PD.4053	PL.28998	C	40T	7.47Y	124.5	0.00	0.52	2.24	0	16	5	95	0.00	0.0	1.002	0.005	0	0	0	5
PL.28999	PD.4053	C	#2 ACSR	7.47Y	124.5	0.00	0.53	2.24	1	16	5	95	0.00	0.0	1.065	0.063	16	5	5	5
PL.29205	PL.29204	ABC	#4 ACSR	7.47Y	124.5	0.01	0.53	7.74	6	156	76	90	0.01	0.0	1.053	0.056	156	76	1	1
PL.29202	PL.29295	C	#1/0 ACSR	7.47Y	124.5	0.00	0.50	1.24	1	9	3	95	0.00	0.0	0.961	0.041	9	3	1	1
PL.29200	PD.4084	B	#1/0 ACSR	7.47Y	124.5	0.00	0.50	1.49	1	11	3	96	0.00	0.0	0.942	0.034	11	3	2	2
PL.29000	PL.29294	C	#1/0 ACSR	7.47Y	124.6	0.00	0.44	1.43	1	10	3	96	0.00	0.0	0.790	0.005	0	0	0	2
PD.4054	PL.29000	C	T	7.47Y	124.6	0.00	0.44	1.43	0	10	3	96	0.00	0.0	0.790	0.005	0	0	0	2
PL.29001	PD.4054	C	#1/0 ACSR	7.47Y	124.6	0.00	0.44	1.43	1	10	3	96	0.00	0.0	0.836	0.046	10	3	2	2
PL.29153	PL.29293	ABC	#1/0 ACSR	7.47Y	124.6	0.00	0.42	0.15	0	3	1	95	0.00	0.0	0.773	0.025	3	1	2	2
PL.29010	PL.29292	A	#2 ACSR	7.48Y	124.6	0.00	0.37	0.02	0	0	0	100	0.00	0.0	0.650	0.005	0	0	0	1
PD.4059	PL.29010	A	65T	7.48Y	124.6	0.00	0.37	0.02	0	0	0	100	0.00	0.0	0.650	0.005	0	0	0	1
PL.29011	PD.4059	A	#2 ACSR	7.48Y	124.6	0.00	0.37	0.02	0	0	0	100	0.00	0.0	0.722	0.072	0	0	1	1
PL.29139	PL.29380	B	#2 ACSR	7.49Y	124.8	0.01	0.20	5.48	3	39	12	96	0.00	0.0	0.422	0.039	4	1	5	14
PL.29141	PL.29139	B	6 A (CWC)	7.49Y	124.8	0.00	0.20	4.95	4	35	11	95	0.00	0.0	0.426	0.004	0	0	0	9
PD.4063	PL.29141	B	65T	7.49Y	124.8	0.00	0.20	4.95	0	35	11	95	0.00	0.0	0.426	0.004	0	0	0	9

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Balanced Voltage Drop Report
Source: Sand Gap

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.29534	PD.4063	B	6 A (CWC)	7.49Y	124.8	0.01	0.21	1.58	1	11	3	96	0.00	0.0	0.518	0.092	2	1	1	5
PL.29535	PL.29534	B	6 A (CWC)	7.49Y	124.8	0.01	0.22	1.35	1	10	3	96	0.00	0.0	0.656	0.138	0	0	0	4
PL.29536	PL.29535	B	6 A (CWC)	7.49Y	124.8	0.00	0.22	1.35	1	10	3	96	0.00	0.0	0.742	0.087	4	1	2	4
PL.29537	PL.29536	B	6 A (CWC)	7.49Y	124.8	0.00	0.22	0.78	1	6	2	95	0.00	0.0	0.838	0.096	6	2	2	2
PL.29142	PL.29537	B	#2 ACSR	7.49Y	124.8	0.00	0.22	0.00	0	0	0	100	0.00	0.0	0.935	0.097	0	0	0	0
PL.29140	PD.4063	B	#1/0 ACSR	7.49Y	124.8	0.00	0.20	3.37	1	24	7	96	0.00	0.0	0.456	0.030	24	7	4	4
PL.26950	Sand Gap	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	21.96	4	473	143	96	0.00	0.0	0.006	0.006	0	0	0	115
PL.33037	PL.26950	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	21.96	4	473	143	96	0.00	0.0	0.008	0.003	0	0	0	115

----- Feeder No. 1 (Lodge Hall F1) Beginning with Device PD.5674 -----

PD.5674	PL.33037	ABC	400VWE	7.50Y	125.0	0.00	0.00	21.96	0	473	143	96	0.00	0.0	0.008	0.003	0	0	0	115
PL.26951	PD.5674	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	21.96	4	473	143	96	0.00	0.0	0.014	0.006	0	0	0	115
PL.26164	PL.26951	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	21.96	4	473	143	96	0.00	0.0	0.066	0.051	0	0	1	115
PL.26202	PL.26164	ABC	397 SPACER	7.50Y	125.0	0.00	0.01	21.96	4	473	143	96	0.00	0.0	0.096	0.030	10	3	1	114
PL.26203	PL.26202	ABC	397 SPACER	7.50Y	125.0	0.00	0.01	21.50	4	463	140	96	0.00	0.0	0.123	0.027	0	0	0	113
PL.26148	PL.26203	ABC	397 SPACER	7.50Y	125.0	0.00	0.01	21.50	4	463	140	96	0.00	0.0	0.138	0.016	15	4	6	113
PL.26165	PL.26148	ABC	#1/0 ACSR	7.50Y	125.0	0.03	0.04	20.81	9	448	136	96	0.07	0.0	0.208	0.070	42	13	7	107
PL.26173	PL.26165	ABC	#1/0 ACSR	7.50Y	125.0	0.01	0.05	18.87	8	406	123	96	0.03	0.0	0.244	0.035	8	2	3	100
PL.26174	PL.26173	ABC	#1/0 ACSR	7.50Y	124.9	0.02	0.06	18.51	8	399	121	96	0.04	0.0	0.294	0.051	16	5	4	97
PL.26159	PL.26174	ABC	#1/0 ACSR	7.50Y	124.9	0.01	0.07	17.18	7	370	112	96	0.02	0.0	0.321	0.027	0	0	0	90
PL.25716	PL.26159	ABC	#1/0 ACSR	7.49Y	124.9	0.01	0.09	17.18	7	370	112	96	0.04	0.0	0.367	0.047	8	2	2	90
PL.25717	PL.25716	ABC	#1/0 ACSR	7.49Y	124.9	0.03	0.11	16.41	7	353	107	96	0.06	0.0	0.452	0.084	0	0	0	87
PL.26160	PL.25717	ABC	#1/0 ACSR	7.49Y	124.9	0.02	0.13	16.41	7	353	107	96	0.05	0.0	0.516	0.064	9	3	1	87
PL.26161	PL.26160	ABC	#1/0 ACSR	7.49Y	124.9	0.01	0.15	15.14	7	326	98	96	0.03	0.0	0.570	0.054	0	0	0	81
PL.26150	PL.26161	ABC	#1/0 ACSR	7.49Y	124.8	0.01	0.16	13.78	6	297	90	96	0.02	0.0	0.609	0.039	0	0	0	76
PL.25724	PL.26150	B	#1/0 ACSR	7.49Y	124.8	0.00	0.16	0.81	0	6	2	95	0.00	0.0	0.645	0.036	6	2	2	2
PL.26151	PL.26150	ABC	#1/0 ACSR	7.49Y	124.8	0.02	0.17	13.51	6	291	88	96	0.03	0.0	0.679	0.070	0	0	0	74
PL.26152	PL.26151	ABC	#1/0 ACSR	7.49Y	124.8	0.01	0.18	12.51	5	269	81	96	0.01	0.0	0.704	0.025	12	4	1	69
PL.26133	PL.26152	ABC	#1/0 ACSR	7.49Y	124.8	0.01	0.19	11.95	5	257	78	96	0.02	0.0	0.756	0.052	0	0	0	68
PL.26212	PL.26133	C	#2 ACSR	7.49Y	124.8	0.00	0.19	0.01	0	0	0	100	0.00	0.0	0.760	0.005	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: Sand Gap

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.3639	PL.26212	C	65T	7.49Y	124.8	0.00	0.19	0.01	0	0	0	100	0.00	0.0	0.760	0.005	0	0	0	1
PL.26213	PD.3639	C	#2 ACSR	7.49Y	124.8	0.00	0.19	0.01	0	0	0	100	0.00	0.0	0.771	0.011	0	0	0	1
PL.26134	PL.26213	C	#4 ACSR	7.49Y	124.8	0.00	0.19	0.01	0	0	0	100	0.00	0.0	0.792	0.021	0	0	1	1
PL.26168	PL.26133	ABC	#1/0 ACSR	7.49Y	124.8	0.01	0.20	11.94	5	257	78	96	0.02	0.0	0.818	0.063	6	2	3	67
PL.26169	PL.26168	ABC	#1/0 ACSR	7.49Y	124.8	0.02	0.22	11.69	5	251	76	96	0.03	0.0	0.890	0.072	0	0	0	64
PL.26172	PL.26169	C	#4 ACSR	7.49Y	124.8	0.01	0.23	14.46	11	104	31	96	0.01	0.0	0.906	0.015	2	1	1	20
PL.26216	PL.26172	C	#4 ACSR	7.49Y	124.8	0.00	0.23	14.12	11	101	30	96	0.00	0.0	0.910	0.005	0	0	0	19
PD.3641	PL.26216	C	65T	7.49Y	124.8	0.00	0.23	14.12	0	101	30	96	0.00	0.0	0.910	0.005	0	0	0	19
PL.26217	PD.3641	C	#4 ACSR	7.48Y	124.7	0.07	0.30	14.12	11	101	30	96	0.05	0.0	1.019	0.108	3	1	1	19
PL.26162	PL.26217	C	6 A (CWC)	7.48Y	124.6	0.06	0.36	10.67	8	76	23	96	0.03	0.0	1.152	0.134	19	6	4	14
PL.26137	PL.26162	C	#2 ACSR	7.48Y	124.6	0.00	0.36	1.51	1	11	3	96	0.00	0.0	1.175	0.023	11	3	1	1
PL.26163	PL.26162	C	6 A (CWC)	7.48Y	124.6	0.02	0.37	6.46	5	46	14	96	0.01	0.0	1.216	0.063	3	1	2	9
PL.26140	PL.26163	C	6 A (CWC)	7.48Y	124.6	0.02	0.39	2.49	2	18	5	96	0.00	0.0	1.358	0.143	0	0	0	3
PL.26199	PL.26140	C	#2 ACSR	7.48Y	124.6	0.00	0.39	2.49	1	18	5	96	0.00	0.0	1.381	0.023	5	2	1	3
PL.26200	PL.26199	C	#2 ACSR	7.48Y	124.6	0.00	0.39	1.77	1	13	4	96	0.00	0.0	1.416	0.035	0	0	0	2
PL.26156	PL.26200	C	#2 ACSR	7.48Y	124.6	0.01	0.40	1.77	1	13	4	96	0.00	0.0	1.598	0.182	0	0	0	2
PL.26135	PL.26156	C	#4 ACSR	7.48Y	124.6	0.01	0.41	1.77	1	13	4	96	0.00	0.0	1.694	0.096	6	2	1	2
PL.26197	PL.26135	C	#4 ACSR	7.48Y	124.6	0.01	0.42	1.00	1	7	2	96	0.00	0.0	1.827	0.134	0	0	0	1
PL.26198	PL.26197	C	#4 ACSR	7.47Y	124.6	0.00	0.42	1.00	1	7	2	96	0.00	0.0	1.859	0.031	7	2	1	1
PL.26139	PL.26163	C	6 A (CWC)	7.48Y	124.6	0.00	0.38	1.07	1	8	2	97	0.00	0.0	1.238	0.023	0	0	0	1
PL.26138	PL.26139	C	6 A (CWC)	7.48Y	124.6	0.00	0.38	1.07	1	8	2	97	0.00	0.0	1.271	0.033	8	2	1	1
PL.26142	PL.26163	C	6 A (CWC)	7.48Y	124.6	0.00	0.38	2.47	2	18	5	96	0.00	0.0	1.243	0.028	9	3	2	3
PL.26141	PL.26142	C	6 A (CWC)	7.48Y	124.6	0.01	0.38	1.21	1	9	3	95	0.00	0.0	1.359	0.116	0	0	0	1
PL.26155	PL.26141	C	6 A (CWC)	7.48Y	124.6	0.00	0.39	1.21	1	9	3	95	0.00	0.0	1.499	0.140	9	3	1	1
PL.26195	PL.26217	C	#4 ACSR	7.48Y	124.7	0.01	0.31	3.00	2	22	6	96	0.00	0.0	1.066	0.047	1	0	1	4
PL.26196	PL.26195	C	#4 ACSR	7.48Y	124.7	0.01	0.31	2.87	2	21	6	96	0.00	0.0	1.141	0.075	18	5	2	3
PL.26136	PL.26196	C	#1/0 ACSR	7.48Y	124.7	0.00	0.31	0.39	0	3	1	95	0.00	0.0	1.231	0.090	3	1	1	1
PL.26153	PL.26169	ABC	#1/0 ACSR	7.49Y	124.8	0.01	0.23	6.87	3	148	45	96	0.01	0.0	0.958	0.067	0	0	0	44
PL.26214	PL.26153	A	#4 ACSR	7.49Y	124.8	0.00	0.23	0.28	0	2	1	89	0.00	0.0	0.962	0.005	0	0	0	1
PD.3640	PL.26214	A	65T	7.49Y	124.8	0.00	0.23	0.28	0	2	1	89	0.00	0.0	0.962	0.005	0	0	0	1
PL.26215	PD.3640	A	#4 ACSR	7.49Y	124.8	0.00	0.23	0.28	0	2	1	89	0.00	0.0	1.016	0.054	2	1	1	1

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Balanced Voltage Drop Report
Source: Sand Gap

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.26154	PL.26153	ABC	#1/0 ACSR	7.49Y	124.8	0.01	0.23	6.78	3	146	44	96	0.01	0.0	1.016	0.058	3	1	1	43
PL.26143	PL.26154	B	#1/0 ACSR	7.48Y	124.7	0.02	0.25	19.98	9	143	43	96	0.02	0.0	1.056	0.041	0	0	0	42
PL.26220	PL.26143	B	#1/0 ACSR	7.48Y	124.7	0.00	0.25	19.98	9	143	43	96	0.00	0.0	1.059	0.003	0	0	0	42
PD.3643	PL.26220	B	35L	7.48Y	124.7	0.00	0.25	19.98	57	143	43	96	0.00	0.0	1.059	0.003	0	0	0	42
PL.26221	PD.3643	B	#1/0 ACSR	7.48Y	124.7	0.02	0.27	19.98	9	143	43	96	0.02	0.0	1.097	0.038	0	0	0	42
PL.26144	PL.26221	B	#1/0 ACSR	7.48Y	124.7	0.07	0.35	19.05	8	136	41	96	0.06	0.0	1.259	0.162	0	0	0	39
PL.26176	PL.26144	B	#1/0 ACSR	7.48Y	124.6	0.04	0.39	19.05	8	136	41	96	0.03	0.0	1.349	0.090	3	1	2	39
PL.26177	PL.26176	B	#1/0 ACSR	7.47Y	124.6	0.04	0.43	18.56	8	133	40	96	0.04	0.0	1.445	0.096	0	0	1	37
PL.26175	PL.26177	B	#1/0 ACSR	7.47Y	124.5	0.06	0.49	18.56	8	133	40	96	0.05	0.0	1.586	0.141	0	0	0	36
PL.26157	PL.26175	B	#1/0 ACSR	7.47Y	124.5	0.05	0.54	18.56	8	133	40	96	0.04	0.0	1.702	0.116	0	0	0	36
PL.26158	PL.26157	B	#1/0 ACSR	7.47Y	124.4	0.03	0.57	18.56	8	133	40	96	0.03	0.0	1.776	0.074	10	3	3	36
PL.26182	PL.26158	B	#1/0 ACSR	7.46Y	124.4	0.02	0.59	11.29	5	81	24	96	0.01	0.0	1.856	0.080	16	5	5	18
PL.26183	PL.26182	B	#1/0 ACSR	7.46Y	124.4	0.01	0.60	8.98	4	64	19	96	0.00	0.0	1.887	0.030	12	4	2	13
PL.26184	PL.26183	B	#1/0 ACSR	7.46Y	124.4	0.01	0.61	7.33	3	52	16	96	0.00	0.0	1.944	0.057	0	0	0	11
PL.26190	PL.26184	B	#4 ACSR	7.46Y	124.4	0.00	0.61	1.42	1	10	3	96	0.00	0.0	1.992	0.048	5	2	2	4
PL.26191	PL.26190	B	#4 ACSR	7.46Y	124.4	0.00	0.61	0.71	1	5	2	93	0.00	0.0	2.042	0.050	5	2	1	2
PL.26192	PL.26191	B	#4 ACSR	7.46Y	124.4	0.00	0.61	0.00	0	0	0	100	0.00	0.0	2.095	0.053	0	0	1	1
PL.26146	PL.26184	B	#4 ACSR	7.46Y	124.4	0.01	0.61	5.91	5	42	13	96	0.00	0.0	1.975	0.031	8	2	1	7
PL.26145	PL.26146	B	#4 ACSR	7.46Y	124.4	0.01	0.62	4.83	4	34	10	96	0.00	0.0	2.009	0.034	9	3	1	6
PL.26180	PL.26145	B	#4 ACSR	7.46Y	124.4	0.01	0.63	3.54	3	25	8	95	0.00	0.0	2.058	0.049	13	4	4	5
PL.26181	PL.26180	B	#4 ACSR	7.46Y	124.4	0.00	0.63	1.75	1	12	4	95	0.00	0.0	2.097	0.039	12	4	1	1
PL.26178	PL.26158	B	#4 ACSR	7.47Y	124.4	0.01	0.58	5.91	5	42	13	96	0.00	0.0	1.809	0.033	0	0	1	15
PL.26179	PL.26178	B	#4 ACSR	7.46Y	124.4	0.01	0.59	5.84	4	42	13	96	0.00	0.0	1.860	0.052	2	1	1	14
PL.26147	PL.26179	B	#4 ACSR	7.46Y	124.4	0.02	0.61	5.50	4	39	12	96	0.00	0.0	1.948	0.088	14	4	3	13
PL.26185	PL.26147	B	#4 ACSR	7.46Y	124.4	0.01	0.62	3.57	3	26	8	96	0.00	0.0	2.010	0.062	13	4	5	10
PL.26186	PL.26185	B	#4 ACSR	7.46Y	124.4	0.00	0.62	1.82	1	13	4	96	0.00	0.0	2.064	0.054	1	0	1	5
PL.26188	PL.26186	B	#4 ACSR	7.46Y	124.4	0.00	0.62	1.65	1	12	4	95	0.00	0.0	2.098	0.035	0	0	0	4
PL.26189	PL.26188	B	#4 ACSR	7.46Y	124.4	0.00	0.63	1.65	1	12	4	95	0.00	0.0	2.131	0.032	2	0	1	4
PL.26187	PL.26189	B	#4 ACSR	7.46Y	124.4	0.00	0.63	1.43	1	10	3	96	0.00	0.0	2.142	0.012	0	0	0	3
PL.26193	PL.26187	B	#4 ACSR	7.46Y	124.4	0.00	0.63	1.43	1	10	3	96	0.00	0.0	2.202	0.059	2	0	2	3
PL.26194	PL.26193	B	#4 ACSR	7.46Y	124.4	0.00	0.63	1.21	1	9	3	95	0.00	0.0	2.297	0.096	9	3	1	1

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Balanced Voltage Drop Report
Source: Sand Gap

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.26170	PL.26221	B	#1/0 ACSR	7.48Y	124.7	0.00	0.27	0.93	0	7	2	96	0.00	0.0	1.112	0.014	6	2	2	3
PL.26171	PL.26170	B	#1/0 ACSR	7.48Y	124.7	0.00	0.27	0.13	0	1	0	100	0.00	0.0	1.149	0.037	1	0	1	1
PL.26210	PL.26151	C	#2 ACSR	7.49Y	124.8	0.00	0.17	3.02	2	22	7	95	0.00	0.0	0.683	0.005	0	0	0	5
PD.3638	PL.26210	C	65T	7.49Y	124.8	0.00	0.17	3.02	0	22	7	95	0.00	0.0	0.683	0.005	0	0	0	5
PL.26211	PD.3638	C	#2 ACSR	7.49Y	124.8	0.00	0.18	3.02	2	22	7	95	0.00	0.0	0.746	0.063	12	4	2	5
PL.26167	PL.26211	C	#2 ACSR	7.49Y	124.8	0.00	0.18	1.38	1	10	3	96	0.00	0.0	0.774	0.027	0	0	1	3
PL.26166	PL.26167	C	#2 ACSR	7.49Y	124.8	0.00	0.18	1.32	1	9	3	95	0.00	0.0	0.800	0.026	0	0	0	2
PL.26132	PL.26166	C	#1/0 ACSR	7.49Y	124.8	0.00	0.18	0.89	0	6	2	95	0.00	0.0	0.896	0.096	6	2	1	1
PL.26131	PL.26166	C	#2 ACSR	7.49Y	124.8	0.00	0.18	0.42	0	3	1	95	0.00	0.0	0.844	0.044	3	1	1	1
PL.25720	PL.26161	A	#1/0 ACSR	7.49Y	124.9	0.00	0.15	4.06	2	29	9	96	0.00	0.0	0.578	0.008	7	2	2	5
PL.26208	PL.25720	A	6 A (CWC)	7.49Y	124.9	0.00	0.15	3.07	2	22	7	95	0.00	0.0	0.583	0.005	0	0	0	3
PD.3637	PL.26208	A	65T	7.49Y	124.9	0.00	0.15	3.07	0	22	7	95	0.00	0.0	0.583	0.005	0	0	0	3
PL.26209	PD.3637	A	6 A (CWC)	7.49Y	124.8	0.02	0.17	3.07	2	22	7	95	0.00	0.0	0.763	0.180	11	3	1	3
PL.25721	PL.26209	A	6 A (CWC)	7.49Y	124.8	0.00	0.17	0.56	0	4	1	97	0.00	0.0	0.829	0.066	4	1	1	1
PL.25722	PL.26209	A	#2 ACSR	7.49Y	124.8	0.00	0.17	1.01	1	7	2	96	0.00	0.0	0.895	0.132	0	0	0	1
PL.25723	PL.25722	A	#2 ACSR	7.49Y	124.8	0.00	0.17	1.01	1	7	2	96	0.00	0.0	0.925	0.030	7	2	1	1
PL.26218	PL.26160	A	#2 ACSR	7.49Y	124.9	0.00	0.13	2.59	1	19	6	95	0.00	0.0	0.521	0.005	0	0	0	5
PD.3642	PL.26218	A	65T	7.49Y	124.9	0.00	0.13	2.59	0	19	6	95	0.00	0.0	0.521	0.005	0	0	0	5
PL.26219	PD.3642	A	#2 ACSR	7.49Y	124.9	0.00	0.13	2.59	1	19	6	95	0.00	0.0	0.561	0.040	0	0	0	5
PL.25718	PL.26219	A	#4 ACSR	7.49Y	124.9	0.00	0.14	1.75	1	13	4	96	0.00	0.0	0.645	0.084	7	2	1	2
PL.25719	PL.25718	A	#2 ACSR	7.49Y	124.9	0.00	0.14	0.81	0	6	2	95	0.00	0.0	0.708	0.063	6	2	1	1
PL.26149	PL.26219	A	#2 ACSR	7.49Y	124.9	0.00	0.13	0.84	0	6	2	95	0.00	0.0	0.577	0.016	6	2	3	3
PL.26206	PL.25716	A	#1/0 ACSR	7.49Y	124.9	0.00	0.09	1.23	1	9	3	95	0.00	0.0	0.372	0.005	0	0	0	1
PD.3636	PL.26206	A	65T	7.49Y	124.9	0.00	0.09	1.23	0	9	3	95	0.00	0.0	0.372	0.005	0	0	0	1
PL.26207	PD.3636	A	#1/0 ACSR	7.49Y	124.9	0.00	0.09	1.23	1	9	3	95	0.00	0.0	0.417	0.045	9	3	1	1
PL.26204	PL.26174	A	#4 ACSR	7.50Y	124.9	0.00	0.06	1.71	1	12	4	95	0.00	0.0	0.299	0.005	0	0	0	3
PD.3635	PL.26204	A	65T	7.50Y	124.9	0.00	0.06	1.71	0	12	4	95	0.00	0.0	0.299	0.005	0	0	0	3
PL.26205	PD.3635	A	#4 ACSR	7.50Y	124.9	0.00	0.07	1.71	1	12	4	95	0.00	0.0	0.340	0.041	12	4	2	3
PL.26201	PL.26205	A	#4 ACSR	7.50Y	124.9	0.00	0.07	0.01	0	0	0	100	0.00	0.0	0.412	0.072	0	0	1	1
PL.31448	Sand Gap	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	139.29	27	2963	1022	95	0.02	0.0	0.006	0.006	0	0	0	782
PL.33038	PL.31448	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	139.29	27	2963	1021	95	0.01	0.0	0.010	0.004	0	0	0	782

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: Sand Gap

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru

----- Feeder No. 2 (CloverBottom F2) Beginning with Device PD.5675 -----																				
PD.5675	PL.33038	ABC	400VWE	7.50Y	125.0	0.00	0.00	139.29	0	2963	1021	95	0.00	0.0	0.010	0.004	0	0	0	782
PL.31449	PD.5675	ABC	397 SPACER	7.50Y	125.0	0.00	0.01	139.29	27	2963	1021	95	0.02	0.0	0.017	0.007	0	0	0	782
PL.30129	PL.31449	ABC	397 SPACER	7.50Y	125.0	0.00	0.01	139.29	27	2963	1021	95	0.01	0.0	0.020	0.003	0	0	0	782
PL.30130	PL.30129	ABC	397 SPACER	7.50Y	124.9	0.07	0.08	139.29	27	2963	1021	95	0.37	0.0	0.163	0.143	0	0	0	782
PL.30131	PL.30130	ABC	397 SPACER	7.49Y	124.9	0.03	0.11	139.29	27	2963	1017	95	0.16	0.0	0.224	0.062	0	0	0	782
PL.30595	PL.30131	ABC	336 MCM AC	7.49Y	124.8	0.09	0.20	139.29	27	2962	1015	95	1.39	0.0	0.309	0.085	0	0	0	782
PL.30596	PL.30595	ABC	336 MCM AC	7.48Y	124.7	0.11	0.32	138.75	27	2949	1008	95	1.65	0.1	0.411	0.102	0	0	0	781
PL.30421	PL.30596	ABC	336 MCM AC	7.47Y	124.6	0.10	0.42	138.75	27	2948	1004	95	1.48	0.1	0.502	0.091	0	0	0	781
PL.30876	PL.30421	C	#4 ACSR	7.47Y	124.6	0.00	0.42	0.95	1	7	2	96	0.00	0.0	0.507	0.005	0	0	0	1
PD.4158	PL.30876	C	65T	7.47Y	124.6	0.00	0.42	0.95	0	7	2	96	0.00	0.0	0.507	0.005	0	0	0	1
PL.30877	PD.4158	C	#4 ACSR	7.47Y	124.6	0.00	0.42	0.95	1	7	2	96	0.00	0.0	0.558	0.051	7	2	1	1
PL.30592	PL.30421	ABC	336 MCM AC	7.47Y	124.5	0.07	0.49	138.44	27	2939	999	95	1.00	0.0	0.564	0.062	0	0	0	780
PL.30593	PL.30592	ABC	336 MCM AC	7.47Y	124.4	0.10	0.58	138.33	27	2936	996	95	1.42	0.0	0.652	0.088	6	2	1	779
PL.30635	PL.30593	ABC	336 MCM AC	7.46Y	124.4	0.07	0.65	138.04	27	2928	990	95	0.96	0.0	0.712	0.060	13	4	4	778
PL.30636	PL.30635	ABC	336 MCM AC	7.46Y	124.3	0.08	0.73	137.41	26	2914	984	95	1.13	0.0	0.784	0.071	13	4	2	774
PL.31024	PL.30636	C	#1/0 ACSR	7.46Y	124.3	0.00	0.73	1.77	1	13	4	96	0.00	0.0	0.789	0.005	0	0	0	6
PD.4238	PL.31024	C	65T	7.46Y	124.3	0.00	0.73	1.77	0	13	4	96	0.00	0.0	0.789	0.005	0	0	0	6
PL.31025	PD.4238	C	#1/0 ACSR	7.46Y	124.3	0.00	0.73	1.77	1	13	4	96	0.00	0.0	0.798	0.010	13	4	5	6
PL.30632	PL.31025	C	#1/0 ACSR	7.46Y	124.3	0.00	0.73	0.00	0	0	0	100	0.00	0.0	0.815	0.017	0	0	1	1
PL.30880	PL.30636	A	#1/0 ACSR	7.46Y	124.3	0.00	0.73	2.97	1	21	6	96	0.00	0.0	0.789	0.005	0	0	0	4
PD.4160	PL.30880	A	65T	7.46Y	124.3	0.00	0.73	2.97	0	21	6	96	0.00	0.0	0.789	0.005	0	0	0	4
PL.30881	PD.4160	A	#1/0 ACSR	7.46Y	124.3	0.00	0.73	2.97	1	21	6	96	0.00	0.0	0.848	0.059	21	6	4	4
PL.30325	PL.30636	ABC	336 MCM AC	7.45Y	124.2	0.05	0.78	135.22	26	2866	967	95	0.74	0.0	0.832	0.048	0	0	0	762
PL.30633	PL.30325	ABC	336 MCM AC	7.44Y	124.1	0.15	0.93	134.26	26	2845	960	95	2.17	0.1	0.975	0.143	2	0	2	758
PL.30634	PL.30633	ABC	336 MCM AC	7.43Y	123.9	0.18	1.11	134.19	26	2841	954	95	2.60	0.1	1.146	0.171	0	0	0	756
PL.30958	PL.30634	A	#1/0 ACSR	7.43Y	123.9	0.00	1.11	0.00	0	0	0	100	0.00	0.0	1.150	0.005	0	0	0	0
PD.4199	PL.30958	A	80T	7.43Y	123.9	0.00	1.11	0.00	0	0	0	100	0.00	0.0	1.150	0.005	0	0	0	0
PL.30959	PD.4199	A	#1/0 ACSR	7.43Y	123.9	0.00	1.11	0.00	0	0	0	100	0.00	0.0	1.195	0.045	0	0	0	0

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Balanced Voltage Drop Report
Source: Sand Gap

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru

PL.30739	PL.30634	ABC	336 MCM AC	7.43Y	123.8	0.06	1.17	134.19	26	2838	948	95	0.90	0.0	1.205	0.059	1	0	1	756
PL.30740	PL.30739	ABC	336 MCM AC	7.43Y	123.8	0.04	1.21	134.13	26	2836	945	95	0.51	0.0	1.239	0.034	0	0	0	755
PL.30336	PL.30740	ABC	336 MCM AC	7.42Y	123.6	0.15	1.36	121.71	23	2571	864	95	1.96	0.1	1.396	0.157	0	0	0	687
PL.30591	PL.30336	ABC	336 MCM AC	7.41Y	123.6	0.07	1.43	119.84	23	2529	847	95	0.91	0.0	1.472	0.076	9	3	2	681
PL.30683	PL.30591	ABC	336 MCM AC	7.41Y	123.5	0.06	1.49	113.53	22	2394	805	95	0.72	0.0	1.538	0.067	0	0	1	648
PL.30477	PL.30683	ABC	336 MCM AC	7.41Y	123.5	0.05	1.55	113.53	22	2393	803	95	0.65	0.0	1.598	0.060	0	0	0	647
PD.4262-A	PL.30477	ABC	Closed	7.41Y	123.5	0.00	1.55	113.53	0	2392	802	95	0.00	0.0	1.598	0.060	0	0	0	647
PD.4262-B	PD.4262-A	ABC	Closed	7.41Y	123.5	0.00	1.55	113.53	0	2392	802	95	0.00	0.0	1.598	0.060	0	0	0	647
PL.30478	PD.4262-B	ABC	336 MCM AC	7.41Y	123.4	0.03	1.58	113.53	22	2392	802	95	0.36	0.0	1.631	0.033	0	0	0	647
PL.30120	PL.30478	ABC	#2 ACSR	7.41Y	123.4	0.00	1.58	1.49	1	31	11	94	0.00	0.0	1.636	0.005	0	0	0	4
PD.4259	PL.30120	ABC	65T	7.41Y	123.4	0.00	1.58	1.49	0	31	11	94	0.00	0.0	1.636	0.005	0	0	0	4
PL.30343	PD.4259	ABC	#2 ACSR	7.41Y	123.4	0.00	1.58	0.68	0	14	6	92	0.00	0.0	1.656	0.020	0	0	0	2
PL.30898	PL.30343	B	#1/0 ACSR	7.41Y	123.4	0.00	1.58	0.41	0	3	1	95	0.00	0.0	1.661	0.005	0	0	0	1
PD.4170	PL.30898	B	40T	7.41Y	123.4	0.00	1.58	0.41	0	3	1	95	0.00	0.0	1.661	0.005	0	0	0	1
PL.30899	PD.4170	B	#1/0 ACSR	7.41Y	123.4	0.00	1.58	0.41	0	3	1	95	0.00	0.0	1.713	0.052	3	1	1	1
PL.30344	PL.30343	ABC	#2 ACSR	7.41Y	123.4	0.00	1.58	0.55	0	11	5	91	0.00	0.0	1.675	0.018	11	5	1	1
PL.30121	PD.4259	ABC	#2 ACSR	7.41Y	123.4	0.00	1.58	0.81	0	17	5	96	0.00	0.0	1.664	0.028	17	5	2	2
PL.30345	PL.30478	ABC	336 MCM AC	7.40Y	123.4	0.07	1.64	112.05	22	2361	789	95	0.83	0.0	1.711	0.079	11	3	2	643
PL.30342	PL.30345	ABC	336 MCM AC	7.39Y	123.2	0.15	1.80	107.86	21	2271	761	95	1.74	0.1	1.888	0.178	0	0	0	623
PL.31030	PL.30342	C	#4 ACSR	7.39Y	123.2	0.00	1.80	0.95	1	7	2	96	0.00	0.0	1.893	0.005	0	0	0	1
PD.4241	PL.31030	C	65T	7.39Y	123.2	0.00	1.80	0.95	0	7	2	96	0.00	0.0	1.893	0.005	0	0	0	1
PL.31031	PD.4241	C	#4 ACSR	7.39Y	123.2	0.00	1.80	0.95	1	7	2	96	0.00	0.0	2.001	0.108	7	2	1	1
PL.30167	PL.31031	C	#1/0 ACSR	7.39Y	123.2	0.00	1.80	0.00	0	0	0	100	0.00	0.0	2.043	0.042	0	0	0	0
PL.30310	PL.30167	C	#1/0 ACSR	7.39Y	123.2	0.00	1.80	0.00	0	0	0	100	0.00	0.0	2.061	0.018	0	0	0	0
PL.30309	PL.30310	C	#1/0 ACSR	7.39Y	123.2	0.00	1.80	0.00	0	0	0	100	0.00	0.0	2.138	0.077	0	0	0	0
PL.30910	PL.30342	A	#4 ACSR	7.39Y	123.2	0.00	1.80	0.92	1	6	2	95	0.00	0.0	1.893	0.005	0	0	0	1
PD.4176	PL.30910	A	65T	7.39Y	123.2	0.00	1.80	0.92	0	6	2	95	0.00	0.0	1.893	0.005	0	0	0	1
PL.30911	PD.4176	A	#4 ACSR	7.39Y	123.2	0.00	1.80	0.92	1	6	2	95	0.00	0.0	1.968	0.075	6	2	1	1
PL.30346	PL.30342	ABC	336 MCM AC	7.39Y	123.2	0.05	1.84	107.24	21	2256	753	95	0.53	0.0	1.943	0.054	0	0	0	621
PL.30693	PL.30346	ABC	336 MCM AC	7.39Y	123.1	0.04	1.88	107.24	21	2255	751	95	0.43	0.0	1.987	0.045	0	0	0	621
PL.30694	PL.30693	ABC	336 MCM AC	7.39Y	123.1	0.02	1.90	107.24	21	2255	750	95	0.27	0.0	2.015	0.028	2	0	3	621

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Balanced Voltage Drop Report
Source: Sand Gap

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.30695	PL.30694	ABC	336 MCM AC	7.38Y	123.0	0.10	2.01	107.16	21	2253	749	95	1.18	0.1	2.137	0.122	1	0	1	618
PL.30914	PL.30695	A	#1/0 ACSR	7.38Y	123.0	0.00	2.01	0.69	0	5	1	98	0.00	0.0	2.142	0.005	0	0	0	1
PD.4178	PL.30914	A	65T	7.38Y	123.0	0.00	2.01	0.69	0	5	1	98	0.00	0.0	2.142	0.005	0	0	0	1
PL.30915	PD.4178	A	#1/0 ACSR	7.38Y	123.0	0.00	2.01	0.69	0	5	1	98	0.00	0.0	2.168	0.026	5	1	1	1
PL.30347	PL.30695	ABC	336 MCM AC	7.37Y	122.9	0.13	2.14	106.90	21	2246	745	95	1.50	0.1	2.294	0.157	11	3	2	616
PL.30916	PL.30347	C	#2 ACSR	7.37Y	122.9	0.00	2.14	0.00	0	0	0	100	0.00	0.0	2.298	0.004	0	0	0	0
PD.4179	PL.30916	C	65T	7.37Y	122.9	0.00	2.14	0.00	0	0	0	100	0.00	0.0	2.298	0.004	0	0	0	0
PL.30917	PD.4179	C	#2 ACSR	7.37Y	122.9	0.00	2.14	0.00	0	0	0	100	0.00	0.0	2.334	0.035	0	0	0	0
PL.30696	PL.30917	C	#2 ACSR	7.37Y	122.9	0.00	2.14	0.00	0	0	0	100	0.00	0.0	2.345	0.011	0	0	0	0
PL.30348	PL.30347	ABC	336 MCM AC	7.37Y	122.8	0.05	2.19	106.39	20	2234	738	95	0.60	0.0	2.358	0.063	0	0	0	614
PL.30349	PL.30348	ABC	336 MCM AC	7.36Y	122.7	0.08	2.27	106.05	20	2226	734	95	0.87	0.0	2.449	0.092	2	1	1	610
PL.30697	PL.30349	ABC	336 MCM AC	7.36Y	122.7	0.06	2.33	103.71	20	2178	713	95	0.64	0.0	2.520	0.071	6	2	1	607
PL.30948	PL.30697	ABC	336 MCM AC	7.36Y	122.6	0.06	2.38	103.42	20	2171	710	95	0.65	0.0	2.592	0.072	0	0	0	606
PL.30949	PL.30948	ABC	336 MCM AC	7.36Y	122.6	0.00	2.39	103.42	20	2170	708	95	0.04	0.0	2.596	0.004	0	0	0	606
PL.30126	PL.30949	ABC	336 MCM AC	7.36Y	122.6	0.03	2.42	102.46	20	2150	702	95	0.32	0.0	2.632	0.036	0	0	0	601
PL.30950	PL.30126	A	#2 ACSR	7.35Y	122.6	0.00	2.42	7.00	4	49	15	96	0.00	0.0	2.637	0.005	0	0	0	14
PD.4195	PL.30950	A	65T	7.35Y	122.6	0.00	2.42	7.00	0	49	15	96	0.00	0.0	2.637	0.005	0	0	0	14
PL.30951	PD.4195	A	#2 ACSR	7.35Y	122.6	0.00	2.42	7.00	4	49	15	96	0.00	0.0	2.655	0.018	2	1	1	14
PL.30352	PL.30951	A	#2 ACSR	7.35Y	122.6	0.01	2.43	5.84	3	41	12	96	0.00	0.0	2.711	0.056	14	4	2	11
PL.30168	PL.30352	A	#4 ACSR	7.35Y	122.6	0.00	2.43	0.29	0	2	1	89	0.00	0.0	2.768	0.058	2	1	1	1
PL.30727	PL.30352	A	#2 ACSR	7.35Y	122.6	0.01	2.44	3.60	2	25	8	95	0.00	0.0	2.771	0.060	8	3	3	8
PL.30728	PL.30727	A	#2 ACSR	7.35Y	122.6	0.01	2.44	2.40	1	17	5	96	0.00	0.0	2.863	0.092	6	2	2	5
PL.30725	PL.30728	A	#2 ACSR	7.35Y	122.6	0.00	2.44	1.56	1	11	3	96	0.00	0.0	2.917	0.055	0	0	0	3
PL.30726	PL.30725	A	#2 ACSR	7.35Y	122.6	0.00	2.45	1.56	1	11	3	96	0.00	0.0	2.968	0.051	2	1	1	3
PL.30128	PL.30726	A	#4 ACSR	7.35Y	122.6	0.00	2.45	0.00	0	0	0	100	0.00	0.0	3.053	0.085	0	0	0	0
PL.30734	PL.30726	A	#2 ACSR	7.35Y	122.6	0.00	2.45	1.21	1	9	3	95	0.00	0.0	3.022	0.054	0	0	0	2
PL.30735	PL.30734	A	#2 ACSR	7.35Y	122.6	0.00	2.45	1.21	1	9	3	95	0.00	0.0	3.044	0.023	0	0	1	2
PL.30736	PL.30735	A	#2 ACSR	7.35Y	122.6	0.00	2.45	1.17	1	8	2	97	0.00	0.0	3.073	0.029	8	2	1	1
PL.30127	PL.30951	A	#1/0 ACSR	7.35Y	122.6	0.00	2.42	0.91	0	6	2	95	0.00	0.0	2.687	0.032	6	2	2	2
PL.30351	PL.30126	ABC	336 MCM AC	7.35Y	122.5	0.04	2.46	100.13	19	2100	686	95	0.45	0.0	2.686	0.054	0	0	0	587
PL.30354	PL.30351	ABC	336 MCM AC	7.35Y	122.5	0.08	2.54	99.38	19	2084	680	95	0.85	0.0	2.789	0.103	11	3	3	584

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Balanced Voltage Drop Report
Source: Sand Gap

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.30355	PL.30354	ABC	336 MCM AC	7.34Y	122.4	0.05	2.59	97.82	19	2050	668	95	0.56	0.0	2.858	0.070	0	0	0	578
PL.30356	PL.30355	ABC	336 MCM AC	7.34Y	122.3	0.08	2.68	96.81	19	2028	661	95	0.88	0.0	2.970	0.112	7	2	1	574
PL.30722	PL.30356	ABC	336 MCM AC	7.34Y	122.3	0.05	2.73	96.41	19	2019	656	95	0.56	0.0	3.042	0.072	3	1	4	571
PL.30723	PL.30722	ABC	336 MCM AC	7.33Y	122.2	0.06	2.79	96.27	19	2015	654	95	0.62	0.0	3.121	0.079	0	0	0	567
PL.30360	PL.30723	ABC	336 MCM AC	7.33Y	122.2	0.04	2.83	93.64	18	1959	636	95	0.41	0.0	3.176	0.055	0	0	0	550
PL.30479	PL.30360	ABC	336 MCM AC	7.33Y	122.1	0.06	2.89	92.87	18	1943	630	95	0.64	0.0	3.264	0.088	0	0	0	546
PD.4263-A	PL.30479	ABC	Closed	7.33Y	122.1	0.00	2.89	92.87	0	1942	629	95	0.00	0.0	3.264	0.088	0	0	0	546
PD.4263-B	PD.4263-A	ABC	Closed	7.33Y	122.1	0.00	2.89	92.87	0	1942	629	95	0.00	0.0	3.264	0.088	0	0	0	546
PL.30480	PD.4263-B	ABC	336 MCM AC	7.32Y	122.0	0.06	2.96	92.87	18	1942	629	95	0.61	0.0	3.348	0.084	0	0	0	546
PL.30954	PL.30480	A	#1/0 ACSR	7.32Y	122.0	0.00	2.96	2.67	1	19	6	95	0.00	0.0	3.353	0.005	0	0	0	3
PD.4197	PL.30954	A	65T	7.32Y	122.0	0.00	2.96	2.67	0	19	6	95	0.00	0.0	3.353	0.005	0	0	0	3
PL.30955	PD.4197	A	#1/0 ACSR	7.32Y	122.0	0.00	2.96	2.67	1	19	6	95	0.00	0.0	3.358	0.006	12	4	2	3
PL.30732	PL.30955	A	#4 ACSR	7.32Y	122.0	0.00	2.96	0.91	1	6	2	95	0.00	0.0	3.423	0.065	0	0	0	1
PL.30733	PL.30732	A	#4 ACSR	7.32Y	122.0	0.00	2.96	0.91	1	6	2	95	0.00	0.0	3.472	0.049	6	2	1	1
PL.30359	PL.30480	ABC	336 MCM AC	7.32Y	122.0	0.03	2.98	91.98	18	1923	621	95	0.28	0.0	3.387	0.039	3	1	1	543
PL.30730	PL.30359	ABC	336 MCM AC	7.32Y	122.0	0.05	3.03	91.27	18	1908	616	95	0.45	0.0	3.452	0.064	10	3	8	539
PL.30731	PL.30730	ABC	336 MCM AC	7.32Y	121.9	0.05	3.08	90.79	17	1897	612	95	0.49	0.0	3.522	0.070	9	3	2	531
PL.30729	PL.30731	ABC	336 MCM AC	7.31Y	121.8	0.10	3.18	90.37	17	1888	608	95	1.01	0.1	3.670	0.147	0	0	0	529
PL.30716	PL.30729	ABC	336 MCM AC	7.31Y	121.8	0.06	3.24	90.37	17	1887	606	95	0.54	0.0	3.749	0.079	6	2	4	529
PL.30717	PL.30716	ABC	336 MCM AC	7.30Y	121.7	0.03	3.26	90.10	17	1880	603	95	0.25	0.0	3.786	0.037	7	2	1	525
PL.30930	PL.30717	C	#2 ACSR	7.30Y	121.7	0.00	3.27	2.23	1	16	5	95	0.00	0.0	3.790	0.005	0	0	0	2
PD.4186	PL.30930	C	65T	7.30Y	121.7	0.00	3.27	2.23	0	16	5	95	0.00	0.0	3.790	0.005	0	0	0	2
PL.30931	PD.4186	C	#2 ACSR	7.30Y	121.7	0.00	3.27	2.23	1	16	5	95	0.00	0.0	3.859	0.068	16	5	2	2
PL.30718	PL.30717	ABC	336 MCM AC	7.30Y	121.7	0.06	3.32	89.03	17	1858	596	95	0.54	0.0	3.867	0.081	3	1	1	522
PL.30719	PL.30718	ABC	336 MCM AC	7.30Y	121.6	0.04	3.36	88.88	17	1854	593	95	0.41	0.0	3.928	0.061	2	1	2	521
PL.30495	PL.30719	ABC	336 MCM AC	7.30Y	121.6	0.05	3.41	88.76	17	1851	592	95	0.48	0.0	4.001	0.073	0	0	0	519
PD.4270	PL.30495	ABC	140L	7.30Y	121.6	0.00	3.41	88.76	63	1851	591	95	0.00	0.0	4.001	0.073	0	0	0	519
PL.30496	PD.4270	ABC	336 MCM AC	7.29Y	121.6	0.02	3.43	88.76	17	1851	591	95	0.15	0.0	4.024	0.023	0	0	1	519
PL.30497	PL.30496	ABC	336 MCM AC	7.29Y	121.5	0.03	3.46	88.24	17	1840	587	95	0.28	0.0	4.066	0.042	0	0	0	517
PL.30498	PL.30497	ABC	336 MCM AC	7.29Y	121.5	0.03	3.49	88.24	17	1839	586	95	0.32	0.0	4.115	0.049	7	2	1	517
PL.30720	PL.30498	ABC	336 MCM AC	7.29Y	121.5	0.04	3.53	87.92	17	1832	584	95	0.34	0.0	4.167	0.053	12	4	1	516

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Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.30721	PL.30720	ABC	336 MCM AC	7.29Y	121.4	0.03	3.56	87.33	17	1820	579	95	0.27	0.0	4.209	0.041	0	0	1	515
PL.30361	PL.30721	ABC	336 MCM AC	7.28Y	121.4	0.05	3.61	86.44	17	1801	573	95	0.49	0.0	4.288	0.079	8	2	2	510
PL.30586	PL.30361	ABC	336 MCM AC	7.28Y	121.4	0.03	3.64	86.04	17	1792	569	95	0.28	0.0	4.333	0.045	7	2	1	508
PL.30587	PL.30586	ABC	336 MCM AC	7.28Y	121.3	0.03	3.67	85.71	17	1785	566	95	0.26	0.0	4.375	0.042	0	0	0	507
PL.30926	PL.30587	A	#2 ACSR	7.28Y	121.3	0.00	3.67	0.00	0	0	0	100	0.00	0.0	4.379	0.005	0	0	0	1
PD.4184	PL.30926	A	65T	7.28Y	121.3	0.00	3.67	0.00	0	0	0	100	0.00	0.0	4.379	0.005	0	0	0	1
PL.30927	PD.4184	A	#2 ACSR	7.28Y	121.3	0.00	3.67	0.00	0	0	0	100	0.00	0.0	4.454	0.074	0	0	1	1
PL.30714	PL.30587	ABC	336 MCM AC	7.28Y	121.3	0.04	3.71	85.71	17	1784	566	95	0.40	0.0	4.440	0.065	8	2	3	506
PL.30715	PL.30714	ABC	336 MCM AC	7.27Y	121.2	0.05	3.76	85.33	16	1776	563	95	0.50	0.0	4.522	0.082	7	2	2	503
PL.30924	PL.30715	C	#1/0 ACSR	7.27Y	121.2	0.00	3.76	0.00	0	0	0	100	0.00	0.0	4.526	0.005	0	0	0	0
PD.4183	PL.30924	C	65T	7.27Y	121.2	0.00	3.76	0.00	0	0	0	100	0.00	0.0	4.526	0.005	0	0	0	0
PL.30925	PD.4183	C	#1/0 ACSR	7.27Y	121.2	0.00	3.76	0.00	0	0	0	100	0.00	0.0	4.570	0.043	0	0	0	0
PL.30689	PL.30715	ABC	336 MCM AC	7.27Y	121.2	0.02	3.79	84.99	16	1768	559	95	0.21	0.0	4.556	0.034	2	1	2	501
PL.30690	PL.30689	ABC	336 MCM AC	7.27Y	121.1	0.06	3.85	84.89	16	1766	558	95	0.59	0.0	4.653	0.097	0	0	0	499
PL.30688	PL.30690	ABC	336 MCM AC	7.27Y	121.1	0.03	3.88	83.23	16	1731	546	95	0.31	0.0	4.706	0.053	6	2	1	492
PL.30691	PL.30688	ABC	336 MCM AC	7.26Y	121.0	0.11	3.99	82.95	16	1725	544	95	0.98	0.1	4.876	0.170	5	1	1	491
PL.30692	PL.30691	ABC	336 MCM AC	7.26Y	121.0	0.05	4.05	82.72	16	1719	540	95	0.47	0.0	4.957	0.081	0	0	0	490
PL.30363	PL.30692	ABC	336 MCM AC	7.25Y	120.9	0.05	4.10	78.80	15	1637	514	95	0.44	0.0	5.041	0.084	0	0	0	471
PL.30187	PL.30363	ABC	336 MCM AC	7.25Y	120.9	0.02	4.11	78.80	15	1636	513	95	0.15	0.0	5.069	0.028	0	0	0	471
PL.30583	PL.30187	ABC	336 MCM AC	7.25Y	120.9	0.04	4.15	78.80	15	1636	513	95	0.31	0.0	5.128	0.059	4	1	1	471
PL.30902	PL.30583	A	#4 ACSR	7.25Y	120.9	0.00	4.15	0.58	0	4	1	97	0.00	0.0	5.133	0.005	0	0	0	5
PD.4172	PL.30902	A	65T	7.25Y	120.9	0.00	4.15	0.58	0	4	1	97	0.00	0.0	5.133	0.005	0	0	0	5
PL.30903	PD.4172	A	#4 ACSR	7.25Y	120.9	0.00	4.15	0.58	0	4	1	97	0.00	0.0	5.143	0.010	4	1	5	5
PL.30584	PL.30583	ABC	336 MCM AC	7.25Y	120.8	0.09	4.24	78.37	15	1627	510	95	0.78	0.0	5.278	0.150	0	0	0	464
PL.30669	PL.30584	ABC	336 MCM AC	7.24Y	120.7	0.09	4.33	78.00	15	1618	505	95	0.73	0.0	5.421	0.143	1	0	1	463
PL.30670	PL.30669	ABC	336 MCM AC	7.24Y	120.6	0.03	4.36	77.93	15	1616	503	95	0.26	0.0	5.472	0.051	7	2	2	462
PL.30668	PL.30670	ABC	336 MCM AC	7.23Y	120.6	0.06	4.42	77.61	15	1609	501	95	0.52	0.0	5.575	0.103	0	0	0	460
PL.30430	PL.30668	ABC	336 MCM AC	7.23Y	120.5	0.09	4.51	77.61	15	1609	500	95	0.78	0.0	5.729	0.154	1	0	1	460
PL.30191	PL.30430	ABC	#1/0 ACSR	7.23Y	120.5	0.01	4.52	20.96	9	435	133	96	0.04	0.0	5.762	0.033	0	0	0	115
PL.31050	PL.30191	C	#1/0 ACSR	7.23Y	120.5	0.00	4.52	0.00	0	0	0	100	0.00	0.0	5.766	0.005	0	0	0	0
PD.4252	PL.31050	C	65T	7.23Y	120.5	0.00	4.52	0.00	0	0	0	100	0.00	0.0	5.766	0.005	0	0	0	0

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.31051	PD.4252	C	#1/0 ACSR	7.23Y	120.5	0.00	4.52	0.00	0	0	0	100	0.00	0.0	5.816	0.049	0	0	0	0
PL.30660	PL.30191	ABC	#1/0 ACSR	7.23Y	120.4	0.04	4.57	20.96	9	435	132	96	0.13	0.0	5.871	0.109	3	1	3	115
PL.30661	PL.30660	ABC	#1/0 ACSR	7.22Y	120.4	0.04	4.61	20.82	9	432	132	96	0.13	0.0	5.981	0.110	0	0	0	112
PL.30485	PL.30661	A	#1/0 ACSR	7.22Y	120.3	0.07	4.67	55.62	24	384	117	96	0.17	0.0	6.033	0.052	0	0	0	101
C PD.4266	PL.30485	A	70L	7.22Y	120.3	0.00	4.67	55.62	79	384	117	96	0.00	0.0	6.033	0.052	0	0	0	101 C
PL.30486	PD.4266	A	#1/0 ACSR	7.22Y	120.3	0.02	4.69	55.62	24	384	117	96	0.05	0.0	6.047	0.014	11	3	2	101
PL.30201	PL.30486	A	6 A (CWC)	7.19Y	119.9	0.40	5.10	54.01	39	373	114	96	1.15	0.3	6.209	0.162	0	0	0	99
PL.30435	PL.30201	A	6 A (CWC)	7.18Y	119.7	0.25	5.35	54.01	39	372	113	96	0.71	0.2	6.309	0.101	0	0	1	99
PL.30890	PL.30435	A	6 A (CWC)	7.18Y	119.7	0.00	5.35	14.99	11	103	31	96	0.00	0.0	6.314	0.005	0	0	0	27
PD.4166	PL.30890	A	30T	7.18Y	119.7	0.00	5.35	14.99	0	103	31	96	0.00	0.0	6.314	0.005	0	0	0	27
PL.30891	PD.4166	A	6 A (CWC)	7.18Y	119.6	0.03	5.38	14.99	11	103	31	96	0.02	0.0	6.361	0.047	13	4	3	27
PL.30200	PL.30891	A	#1/0 ACSR	7.18Y	119.6	0.00	5.38	1.48	1	10	3	96	0.00	0.0	6.379	0.018	10	3	1	1
PL.30664	PL.30891	A	6 A (CWC)	7.17Y	119.6	0.04	5.42	11.55	8	79	24	96	0.02	0.0	6.444	0.083	14	4	4	23
PL.30665	PL.30664	A	6 A (CWC)	7.17Y	119.6	0.01	5.43	9.55	7	66	20	96	0.01	0.0	6.476	0.032	0	0	0	19
PL.30199	PL.30665	A	6 A (CWC)	7.17Y	119.5	0.05	5.49	5.15	4	35	11	95	0.01	0.0	6.737	0.261	8	3	3	11
PL.30319	PL.30199	A	6 A (CWC)	7.17Y	119.5	0.00	5.49	0.28	0	2	1	89	0.00	0.0	6.861	0.123	0	0	0	1
PL.30320	PL.30319	A	#1/0 ACSR	7.17Y	119.5	0.00	5.49	0.28	0	2	1	89	0.00	0.0	7.009	0.148	2	1	1	1
PL.30318	PL.30199	A	6 A (CWC)	7.17Y	119.5	0.01	5.50	3.65	3	25	8	95	0.00	0.0	6.805	0.067	13	4	4	7
PL.30866	PL.30318	A	#2 ACSR	7.17Y	119.5	0.00	5.50	1.78	1	12	4	95	0.00	0.0	6.834	0.029	5	1	2	3
PL.30867	PL.30866	A	#2 ACSR	7.17Y	119.5	0.00	5.50	1.09	1	7	2	96	0.00	0.0	6.865	0.031	7	2	1	1
PL.30192	PL.30665	A	#4 ACSR	7.17Y	119.6	0.00	5.43	1.27	1	9	3	95	0.00	0.0	6.490	0.013	9	3	1	1
PL.30368	PL.30665	A	6 A (CWC)	7.17Y	119.6	0.01	5.44	2.23	2	15	5	95	0.00	0.0	6.539	0.062	5	1	2	4
PL.30198	PL.30368	A	#1/0 ACSR	7.17Y	119.6	0.00	5.44	1.55	1	11	3	96	0.00	0.0	6.576	0.038	11	3	2	2
PL.30666	PL.30665	A	#4 ACSR	7.17Y	119.6	0.00	5.44	0.90	1	6	2	95	0.00	0.0	6.559	0.083	3	1	1	3
PL.30667	PL.30666	A	#4 ACSR	7.17Y	119.6	0.00	5.44	0.50	0	3	1	95	0.00	0.0	6.631	0.072	3	1	1	2
PL.30663	PL.30667	A	#4 ACSR	7.17Y	119.6	0.00	5.44	0.01	0	0	0	100	0.00	0.0	6.686	0.055	0	0	1	1
PL.31046	PL.30435	A	#4 ACSR	7.18Y	119.7	0.00	5.35	1.17	1	8	2	97	0.00	0.0	6.314	0.005	0	0	0	3
PD.4250	PL.31046	A	30T	7.18Y	119.7	0.00	5.35	1.17	0	8	2	97	0.00	0.0	6.314	0.005	0	0	0	3
PL.31047	PD.4250	A	#4 ACSR	7.18Y	119.7	0.00	5.35	1.17	1	8	2	97	0.00	0.0	6.373	0.059	7	2	2	3
PL.30662	PL.31047	A	#4 ACSR	7.18Y	119.7	0.00	5.35	0.12	0	1	0	100	0.00	0.0	6.414	0.042	1	0	1	1
PL.30367	PL.30435	A	6 A (CWC)	7.17Y	119.4	0.23	5.58	37.78	27	260	79	96	0.45	0.2	6.449	0.140	23	7	6	68

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Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.30202	PL.30367	A	6 A (CWC)	7.16Y	119.3	0.11	5.69	31.20	22	214	65	96	0.19	0.1	6.530	0.081	8	2	1	58
PL.30626	PL.30202	A	6 A (CWC)	7.15Y	119.1	0.16	5.85	30.10	22	206	63	96	0.25	0.1	6.646	0.116	1	0	1	57
PL.30627	PL.30626	A	6 A (CWC)	7.14Y	119.1	0.09	5.95	29.93	21	205	62	96	0.15	0.1	6.716	0.070	7	2	3	56
PL.30625	PL.30627	A	6 A (CWC)	7.14Y	118.9	0.13	6.08	28.86	21	197	60	96	0.19	0.1	6.816	0.100	12	4	5	53
PL.30624	PL.30625	A	6 A (CWC)	7.13Y	118.8	0.08	6.16	27.16	19	185	56	96	0.11	0.1	6.879	0.063	0	0	1	48
PL.30628	PL.30624	A	6 A (CWC)	7.13Y	118.8	0.05	6.20	27.12	19	185	56	96	0.07	0.0	6.919	0.040	8	3	2	47
PL.30629	PL.30628	A	6 A (CWC)	7.12Y	118.7	0.07	6.27	25.88	18	177	53	96	0.09	0.1	6.980	0.061	10	3	2	45
PL.30179	PL.30629	A	6 A (CWC)	7.12Y	118.6	0.12	6.40	24.38	17	166	50	96	0.15	0.1	7.090	0.111	7	2	2	43
PL.30173	PL.30179	A	6 A (CWC)	7.12Y	118.6	0.01	6.40	1.82	1	12	4	95	0.00	0.0	7.168	0.077	5	2	2	3
PL.30174	PL.30173	A	6 A (CWC)	7.12Y	118.6	0.00	6.40	1.08	1	7	2	96	0.00	0.0	7.206	0.038	7	2	1	1
PL.30175	PL.30173	A	#1/0 ACSR	7.12Y	118.6	0.00	6.40	0.00	0	0	0	100	0.00	0.0	7.222	0.054	0	0	0	0
PL.30180	PL.30179	A	6 A (CWC)	7.11Y	118.6	0.05	6.44	21.61	15	147	44	96	0.05	0.0	7.136	0.045	0	0	0	38
PL.31040	PL.30180	A	#4 ACSR	7.11Y	118.6	0.00	6.44	0.35	0	2	1	89	0.00	0.0	7.141	0.005	0	0	0	1
PD.4247	PL.31040	A	30T	7.11Y	118.6	0.00	6.44	0.35	0	2	1	89	0.00	0.0	7.141	0.005	0	0	0	1
PL.31041	PD.4247	A	#4 ACSR	7.11Y	118.6	0.00	6.44	0.35	0	2	1	89	0.00	0.0	7.284	0.143	2	1	1	1
PL.30968	PL.30180	A	6 A (CWC)	7.11Y	118.6	0.00	6.45	21.26	15	145	44	96	0.01	0.0	7.141	0.005	0	0	0	37
PD.4205	PL.30968	A	30T	7.11Y	118.6	0.00	6.45	21.26	0	145	44	96	0.00	0.0	7.141	0.005	0	0	0	37
PL.30969	PD.4205	A	6 A (CWC)	7.11Y	118.4	0.10	6.55	21.26	15	145	44	96	0.12	0.1	7.249	0.108	3	1	1	37
PL.30181	PL.30969	A	6 A (CWC)	7.10Y	118.4	0.07	6.62	15.37	11	105	32	96	0.06	0.1	7.345	0.097	0	0	0	32
PL.30470	PL.30181	A	6 A (CWC)	7.10Y	118.4	0.00	6.62	1.66	1	11	3	96	0.00	0.0	7.351	0.006	2	1	2	8
PL.30471	PL.30470	A	6 A (CWC)	7.10Y	118.4	0.00	6.62	1.35	1	9	3	95	0.00	0.0	7.418	0.067	9	3	6	6
PL.30468	PL.30181	A	6 A (CWC)	7.10Y	118.3	0.06	6.68	13.71	10	93	28	96	0.04	0.0	7.448	0.103	8	2	2	24
PL.30469	PL.30468	A	6 A (CWC)	7.10Y	118.3	0.03	6.71	12.58	9	85	26	96	0.02	0.0	7.504	0.056	17	5	4	22
PL.30972	PL.30469	A	#4 ACSR	7.10Y	118.3	0.00	6.71	4.52	3	31	9	96	0.00	0.0	7.509	0.005	0	0	0	8
PD.4207	PL.30972	A	20T	7.10Y	118.3	0.00	6.71	4.52	0	31	9	96	0.00	0.0	7.509	0.005	0	0	0	8
PL.30973	PD.4207	A	#4 ACSR	7.10Y	118.3	0.01	6.72	4.52	3	31	9	96	0.00	0.0	7.601	0.093	22	7	5	8
PL.30472	PL.30973	A	#4 ACSR	7.10Y	118.3	0.00	6.73	1.24	1	8	3	94	0.00	0.0	7.646	0.045	0	0	0	3
PL.30588	PL.30472	A	#4 ACSR	7.10Y	118.3	0.00	6.73	1.24	1	8	3	94	0.00	0.0	7.681	0.035	0	0	0	3
PL.30475	PL.30588	A	#4 ACSR	7.10Y	118.3	0.00	6.73	1.24	1	8	3	94	0.00	0.0	7.744	0.064	4	1	1	3
PL.30759	PL.30475	A	#4 ACSR	7.10Y	118.3	0.00	6.73	0.63	0	4	1	97	0.00	0.0	7.828	0.084	4	1	2	2
PL.30177	PL.30472	A	#4 ACSR	7.10Y	118.3	0.00	6.73	0.00	0	0	0	100	0.00	0.0	7.669	0.023	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: Sand Gap

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.30176	PL.30472	A	#4 ACSR	7.10Y	118.3	0.00	6.73	0.00	0	0	0	100	0.00	0.0	7.714	0.068	0	0	0	0
PL.30473	PL.30469	A	6 A (CWC)	7.10Y	118.3	0.02	6.73	5.59	4	38	11	96	0.00	0.0	7.592	0.088	18	5	4	10
PL.30474	PL.30473	A	6 A (CWC)	7.10Y	118.3	0.00	6.73	2.92	2	20	6	96	0.00	0.0	7.619	0.027	0	0	0	6
PL.30182	PL.30474	A	6 A (CWC)	7.10Y	118.3	0.00	6.73	2.92	2	20	6	96	0.00	0.0	7.645	0.027	18	6	5	6
PL.30183	PL.30182	A	6 A (CWC)	7.10Y	118.3	0.00	6.73	0.00	0	0	0	100	0.00	0.0	7.802	0.157	0	0	0	0
PL.30178	PL.30182	A	#4 ACSR	7.10Y	118.3	0.00	6.73	0.21	0	1	0	100	0.00	0.0	7.689	0.043	1	0	1	1
PL.30970	PL.30969	A	#4 ACSR	7.11Y	118.4	0.00	6.55	1.21	1	8	2	97	0.00	0.0	7.253	0.005	0	0	0	3
PD.4206	PL.30970	A	20T	7.11Y	118.4	0.00	6.55	1.21	0	8	2	97	0.00	0.0	7.253	0.005	0	0	0	3
PL.30971	PD.4206	A	#4 ACSR	7.11Y	118.4	0.00	6.55	1.21	1	8	2	97	0.00	0.0	7.332	0.079	8	2	3	3
PL.31042	PL.30969	A	6 A (CWC)	7.11Y	118.4	0.00	6.55	4.29	3	29	9	96	0.00	0.0	7.253	0.005	0	0	0	1
PD.4248	PL.31042	A	20T	7.11Y	118.4	0.00	6.55	4.29	0	29	9	96	0.00	0.0	7.253	0.005	0	0	0	1
PL.31043	PD.4248	A	6 A (CWC)	7.11Y	118.4	0.00	6.56	4.29	3	29	9	96	0.00	0.0	7.281	0.028	29	9	1	1
PL.30467	PL.31043	A	6 A (CWC)	7.11Y	118.4	0.00	6.56	0.00	0	0	0	100	0.00	0.0	7.309	0.028	0	0	0	0
PL.30203	PL.30367	A	#1/0 ACSR	7.16Y	119.4	0.00	5.58	3.20	1	22	7	95	0.00	0.0	6.508	0.059	0	0	0	4
PL.30888	PL.30203	A	6 A (CWC)	7.16Y	119.4	0.00	5.58	3.20	2	22	7	95	0.00	0.0	6.513	0.005	0	0	0	4
PD.4165	PL.30888	A	30T	7.16Y	119.4	0.00	5.58	3.20	0	22	7	95	0.00	0.0	6.513	0.005	0	0	0	4
PL.30889	PD.4165	A	6 A (CWC)	7.16Y	119.4	0.00	5.59	3.20	2	22	7	95	0.00	0.0	6.548	0.035	22	7	4	4
PL.31048	PL.30661	B	6 A (CWC)	7.22Y	120.4	0.00	4.61	6.83	5	47	14	96	0.00	0.0	5.986	0.005	0	0	0	11
PD.4251	PL.31048	B	65T	7.22Y	120.4	0.00	4.61	6.83	0	47	14	96	0.00	0.0	5.986	0.005	0	0	0	11
PL.31049	PD.4251	B	6 A (CWC)	7.22Y	120.4	0.04	4.65	6.83	5	47	14	96	0.01	0.0	6.119	0.134	4	1	1	11
PL.30653	PL.31049	B	6 A (CWC)	7.22Y	120.3	0.02	4.66	6.23	4	43	13	96	0.01	0.0	6.173	0.054	0	0	0	10
PL.30369	PL.30653	B	6 A (CWC)	7.22Y	120.3	0.03	4.69	5.34	4	37	11	96	0.01	0.0	6.297	0.123	0	0	0	7
PL.30431	PL.30369	B	6 A (CWC)	7.22Y	120.3	0.02	4.71	5.34	4	37	11	96	0.00	0.0	6.363	0.066	0	0	0	7
PL.30622	PL.30431	B	6 A (CWC)	7.22Y	120.3	0.03	4.74	5.34	4	37	11	96	0.01	0.0	6.487	0.124	10	3	2	7
PL.30623	PL.30622	B	6 A (CWC)	7.21Y	120.2	0.02	4.76	3.89	3	27	8	96	0.00	0.0	6.590	0.103	0	0	0	5
PL.30620	PL.30623	B	6 A (CWC)	7.21Y	120.2	0.01	4.77	3.89	3	27	8	96	0.00	0.0	6.687	0.097	9	3	1	5
PL.30621	PL.30620	B	6 A (CWC)	7.21Y	120.2	0.01	4.78	2.52	2	17	5	96	0.00	0.0	6.803	0.117	0	0	0	4
PL.30432	PL.30621	B	6 A (CWC)	7.21Y	120.2	0.01	4.79	2.52	2	17	5	96	0.00	0.0	6.903	0.100	0	0	0	4
PL.30433	PL.30432	B	6 A (CWC)	7.21Y	120.2	0.01	4.81	2.52	2	17	5	96	0.00	0.0	7.028	0.125	9	3	2	4
PL.30211	PL.30433	B	6 A (CWC)	7.21Y	120.2	0.00	4.81	1.16	1	8	2	97	0.00	0.0	7.082	0.053	8	2	2	2
PL.30370	PL.30433	B	6 A (CWC)	7.21Y	120.2	0.00	4.81	0.00	0	0	0	100	0.00	0.0	7.138	0.110	0	0	0	0

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Balanced Voltage Drop Report
Source: Sand Gap

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.30434	PL.30370	B	6 A (CWC)	7.21Y	120.2	0.00	4.81	0.00	0	0	0	100	0.00	0.0	7.225	0.087	0	0	0	0
PL.30651	PL.30653	B	#4 ACSR	7.22Y	120.3	0.00	4.66	0.89	1	6	2	95	0.00	0.0	6.199	0.026	2	0	1	3
PL.30652	PL.30651	B	#4 ACSR	7.22Y	120.3	0.00	4.67	0.66	1	5	1	98	0.00	0.0	6.234	0.035	5	1	2	2
PL.30366	PL.30430	ABC	336 MCM AC	7.23Y	120.4	0.07	4.58	56.60	11	1172	365	95	0.42	0.0	5.886	0.156	0	0	0	344
PL.30436	PL.30366	ABC	336 MCM AC	7.22Y	120.3	0.08	4.66	56.60	11	1172	364	96	0.47	0.0	6.060	0.174	0	0	0	344
PL.30437	PL.30436	ABC	336 MCM AC	7.22Y	120.3	0.05	4.71	56.60	11	1171	363	96	0.32	0.0	6.180	0.120	0	0	0	344
PL.30886	PL.30437	A	#4 ACSR	7.22Y	120.3	0.00	4.71	2.29	2	16	5	95	0.00	0.0	6.185	0.005	0	0	0	7
PD.4164	PL.30886	A	65T	7.22Y	120.3	0.00	4.71	2.29	0	16	5	95	0.00	0.0	6.185	0.005	0	0	0	7
PL.30887	PD.4164	A	#4 ACSR	7.22Y	120.3	0.01	4.72	2.29	2	16	5	95	0.00	0.0	6.271	0.086	5	2	2	7
PL.30655	PL.30887	A	#4 ACSR	7.22Y	120.3	0.00	4.72	1.56	1	11	3	96	0.00	0.0	6.327	0.056	4	1	2	5
PL.30654	PL.30655	A	#4 ACSR	7.22Y	120.3	0.00	4.72	1.05	1	7	2	96	0.00	0.0	6.343	0.017	0	0	0	3
PL.30204	PL.30654	A	#4 ACSR	7.22Y	120.3	0.00	4.72	1.05	1	7	2	96	0.00	0.0	6.381	0.037	1	0	1	3
PL.30371	PL.30204	A	#4 ACSR	7.22Y	120.3	0.00	4.72	0.86	1	6	2	95	0.00	0.0	6.424	0.043	6	2	2	2
PL.30205	PL.30204	A	#4 ACSR	7.22Y	120.3	0.00	4.72	0.00	0	0	0	100	0.00	0.0	6.416	0.036	0	0	0	0
PL.31052	PL.30437	C	#4 ACSR	7.22Y	120.3	0.00	4.71	0.97	1	7	2	96	0.00	0.0	6.185	0.005	0	0	0	2
PD.4253	PL.31052	C	65T	7.22Y	120.3	0.00	4.71	0.97	0	7	2	96	0.00	0.0	6.185	0.005	0	0	0	2
PL.31053	PD.4253	C	#4 ACSR	7.22Y	120.3	0.00	4.71	0.97	1	7	2	96	0.00	0.0	6.219	0.035	7	2	2	2
PL.30657	PL.30437	ABC	336 MCM AC	7.22Y	120.3	0.02	4.73	55.52	11	1148	355	96	0.15	0.0	6.237	0.057	12	4	3	335
PL.30658	PL.30657	ABC	336 MCM AC	7.22Y	120.3	0.02	4.75	54.92	11	1136	351	96	0.10	0.0	6.278	0.042	16	5	4	332
PL.30659	PL.30658	ABC	336 MCM AC	7.21Y	120.2	0.06	4.81	54.14	10	1120	346	96	0.34	0.0	6.418	0.139	0	0	0	328
PL.30206	PL.30659	A	#1/0 ACSR	7.21Y	120.2	0.00	4.81	4.00	2	28	8	96	0.00	0.0	6.422	0.005	0	0	0	3
PD.4163	PL.30206	A	65T	7.21Y	120.2	0.00	4.81	4.00	0	28	8	96	0.00	0.0	6.422	0.005	0	0	0	3
PL.30207	PD.4163	A	#4 ACSR	7.21Y	120.2	0.00	4.81	2.74	2	19	6	95	0.00	0.0	6.491	0.069	19	6	2	2
PL.30372	PD.4163	A	#1/0 ACSR	7.21Y	120.2	0.00	4.81	1.27	1	9	3	95	0.00	0.0	6.439	0.017	9	3	1	1
PL.30656	PL.30659	ABC	336 MCM AC	7.21Y	120.2	0.02	4.83	52.81	10	1092	337	96	0.11	0.0	6.465	0.048	10	3	2	325
PL.30489	PL.30656	ABC	336 MCM AC	7.21Y	120.1	0.03	4.86	52.33	10	1082	334	96	0.19	0.0	6.546	0.080	0	0	0	323
PL.30490	PL.30489	ABC	336 MCM AC	7.21Y	120.1	0.00	4.86	52.33	10	1081	333	96	0.01	0.0	6.548	0.002	0	0	0	323
PL.30376	PL.30490	ABC	336 MCM AC	7.21Y	120.1	0.02	4.88	40.96	8	846	262	96	0.08	0.0	6.603	0.055	0	0	0	265
PL.30208	PL.30376	C	#1/0 ACSR	7.21Y	120.1	0.03	4.91	52.93	23	364	114	95	0.08	0.0	6.629	0.026	0	0	0	102
PL.30483	PL.30208	C	#1/0 ACSR	7.21Y	120.1	0.00	4.91	52.93	23	364	114	95	0.01	0.0	6.631	0.003	0	0	0	102
C PD.4265	PL.30483	C	70L	7.21Y	120.1	0.00	4.91	52.93	76	364	114	95	0.00	0.0	6.631	0.003	0	0	0	102 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: Sand Gap

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.30484	PD.4265	C	#1/0 ACSR	7.20Y	120.0	0.10	5.02	52.93	23	364	114	95	0.25	0.1	6.715	0.084	8	3	1	102
PL.30648	PL.30484	C	#1/0 ACSR	7.20Y	119.9	0.03	5.05	51.72	22	355	111	95	0.08	0.0	6.744	0.029	14	4	2	101
PL.30646	PL.30648	C	#1/0 ACSR	7.19Y	119.9	0.06	5.11	47.75	21	328	103	95	0.13	0.0	6.798	0.054	17	5	5	97
PL.30647	PL.30646	C	#1/0 ACSR	7.19Y	119.8	0.09	5.20	45.29	20	311	98	95	0.19	0.1	6.882	0.084	0	0	0	92
PL.30213	PL.30647	C	#2 ACSR	7.19Y	119.8	0.00	5.20	1.71	1	12	4	95	0.00	0.0	6.959	0.077	12	4	2	2
PL.30378	PL.30647	C	#1/0 ACSR	7.18Y	119.7	0.12	5.32	40.83	18	280	88	95	0.22	0.1	7.003	0.121	0	0	2	84
PL.30214	PL.30378	C	#2 ACSR	7.18Y	119.7	0.00	5.32	0.00	0	0	0	100	0.00	0.0	7.083	0.081	0	0	0	0
PL.30379	PL.30378	C	#1/0 ACSR	7.17Y	119.6	0.10	5.42	40.83	18	280	88	95	0.20	0.1	7.111	0.108	0	0	0	82
PL.30440	PL.30379	C	#1/0 ACSR	7.17Y	119.5	0.09	5.51	40.83	18	280	88	95	0.17	0.1	7.205	0.094	0	0	0	82
PL.30215	PL.30440	C	6 A (CWC)	7.17Y	119.5	0.00	5.52	1.04	1	7	2	96	0.00	0.0	7.250	0.045	7	2	1	1
PL.30574	PL.30440	C	#1/0 ACSR	7.16Y	119.4	0.09	5.61	39.78	17	272	85	95	0.17	0.1	7.302	0.097	0	0	0	81
PL.30575	PL.30574	C	#1/0 ACSR	7.16Y	119.4	0.03	5.63	39.78	17	272	85	95	0.05	0.0	7.331	0.029	0	0	0	81
PL.30616	PL.30575	C	#1/0 ACSR	7.16Y	119.3	0.03	5.66	39.78	17	272	85	95	0.06	0.0	7.364	0.032	1	0	1	81
PL.30617	PL.30616	C	#1/0 ACSR	7.15Y	119.2	0.15	5.81	39.69	17	271	85	95	0.26	0.1	7.520	0.156	2	1	1	80
PL.30615	PL.30617	C	#1/0 ACSR	7.14Y	119.1	0.14	5.95	39.38	17	269	84	95	0.25	0.1	7.669	0.150	4	1	1	79
PL.30618	PL.30615	C	#1/0 ACSR	7.14Y	118.9	0.11	6.05	38.75	17	264	82	95	0.19	0.1	7.785	0.115	1	0	1	78
PL.30619	PL.30618	C	#1/0 ACSR	7.13Y	118.9	0.08	6.14	38.57	17	263	82	95	0.15	0.1	7.877	0.093	0	0	0	77
PL.30217	PL.30619	C	#1/0 ACSR	7.13Y	118.9	0.00	6.14	0.25	0	2	1	89	0.00	0.0	7.921	0.043	0	0	0	1
PL.30243	PL.30217	C	6 A (CWC)	7.13Y	118.9	0.00	6.14	0.25	0	2	1	89	0.00	0.0	7.974	0.053	2	1	1	1
PL.30380	PL.30619	C	#1/0 ACSR	7.13Y	118.8	0.07	6.20	38.32	17	261	81	96	0.11	0.0	7.951	0.074	7	2	2	76
PL.30576	PL.30380	C	6 A (CWC)	7.13Y	118.8	0.00	6.21	1.62	1	11	3	96	0.00	0.0	8.010	0.058	0	0	0	1
PL.30577	PL.30576	C	6 A (CWC)	7.13Y	118.8	0.00	6.21	0.00	0	0	0	100	0.00	0.0	8.116	0.106	0	0	0	0
PL.30321	PL.30577	C	6 A (CWC)	7.13Y	118.8	0.00	6.21	0.00	0	0	0	100	0.00	0.0	8.251	0.135	0	0	0	0
PL.30441	PL.30321	C	6 A (CWC)	7.13Y	118.8	0.00	6.21	0.00	0	0	0	100	0.00	0.0	8.373	0.122	0	0	0	0
PL.30442	PL.30441	C	6 A (CWC)	7.13Y	118.8	0.00	6.21	0.00	0	0	0	100	0.00	0.0	8.471	0.098	0	0	0	0
PL.30244	PL.30576	C	#1/0 ACSR	7.13Y	118.8	0.00	6.21	1.62	1	11	3	96	0.00	0.0	8.037	0.027	0	0	0	1
PL.30218	PL.30244	C	#1/0 ACSR	7.13Y	118.8	0.00	6.21	1.62	1	11	3	96	0.00	0.0	8.116	0.079	11	3	1	1
PL.30580	PL.30380	C	#1/0 ACSR	7.12Y	118.7	0.07	6.27	35.61	15	242	75	96	0.11	0.0	8.032	0.081	10	3	1	73
PL.30219	PL.30580	C	#1/0 ACSR	7.12Y	118.7	0.00	6.27	0.10	0	1	0	100	0.00	0.0	8.075	0.042	1	0	1	1
PL.30581	PL.30580	C	#1/0 ACSR	7.12Y	118.6	0.08	6.35	34.04	15	232	72	96	0.13	0.1	8.133	0.101	0	0	0	71
PL.30220	PL.30581	C	#1/0 ACSR	7.12Y	118.6	0.00	6.35	0.35	0	2	1	89	0.00	0.0	8.179	0.045	2	1	1	1

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Balanced Voltage Drop Report
Source: Sand Gap

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.30613	PL.30581	C	#1/0 ACSR	7.11Y	118.5	0.10	6.45	33.69	15	229	71	96	0.15	0.1	8.259	0.126	5	1	1	70
PL.30614	PL.30613	C	#1/0 ACSR	7.11Y	118.4	0.11	6.57	32.98	14	224	69	96	0.17	0.1	8.406	0.147	0	0	0	69
PL.30443	PL.30614	C	#1/0 ACSR	7.10Y	118.3	0.13	6.70	32.98	14	224	69	96	0.20	0.1	8.573	0.167	0	0	0	69
PL.30221	PL.30443	C	#1/0 ACSR	7.10Y	118.3	0.04	6.74	32.98	14	224	69	96	0.07	0.0	8.628	0.056	0	0	0	69
PL.30222	PL.30221	C	#1/0 ACSR	7.10Y	118.3	0.00	6.74	0.63	0	4	1	97	0.00	0.0	8.660	0.032	4	1	1	1
PL.30612	PL.30221	C	#1/0 ACSR	7.09Y	118.2	0.03	6.77	32.34	14	219	67	96	0.04	0.0	8.665	0.037	1	0	1	68
PL.30637	PL.30612	C	#1/0 ACSR	7.09Y	118.2	0.07	6.84	32.14	14	218	67	96	0.10	0.0	8.758	0.092	9	3	2	67
PL.30638	PL.30637	C	#1/0 ACSR	7.09Y	118.1	0.04	6.88	30.86	13	209	64	96	0.06	0.0	8.817	0.059	0	0	0	65
PL.30874	PL.30638	C	#1/0 ACSR	7.09Y	118.1	0.00	6.88	0.53	0	4	1	97	0.00	0.0	8.821	0.004	0	0	0	2
PD.4157	PL.30874	C	30T	7.09Y	118.1	0.00	6.88	0.53	0	4	1	97	0.00	0.0	8.821	0.004	0	0	0	2
PL.30875	PD.4157	C	#1/0 ACSR	7.09Y	118.1	0.00	6.88	0.53	0	4	1	97	0.00	0.0	8.975	0.154	0	0	0	2
PL.30444	PL.30875	C	#1/0 ACSR	7.09Y	118.1	0.00	6.88	0.53	0	4	1	97	0.00	0.0	9.119	0.144	4	1	2	2
L PL.30381	PL.30638	C	#1/0 ACSR	7.08Y	118.0	0.13	7.01	29.55	13	200	62	96	0.17	0.1	8.997	0.181	0	0	0	61 L
L PL.30445	PL.30381	C	#1/0 ACSR	7.08Y	117.9	0.06	7.06	29.55	13	200	61	96	0.08	0.0	9.079	0.081	0	0	0	61 L
L PL.30872	PL.30445	C	#4 ACSR	7.08Y	117.9	0.00	7.06	0.01	0	0	0	100	0.00	0.0	9.083	0.005	0	0	0	2 L
L PD.4156	PL.30872	C	30T	7.08Y	117.9	0.00	7.06	0.01	0	0	0	100	0.00	0.0	9.083	0.005	0	0	0	2 L
L PL.30873	PD.4156	C	#4 ACSR	7.08Y	117.9	0.00	7.06	0.01	0	0	0	100	0.00	0.0	9.168	0.085	0	0	0	2 L
L PL.30446	PL.30873	C	#4 ACSR	7.08Y	117.9	0.00	7.06	0.01	0	0	0	100	0.00	0.0	9.268	0.100	0	0	0	2 L
L PL.30606	PL.30446	C	#4 ACSR	7.08Y	117.9	0.00	7.06	0.01	0	0	0	100	0.00	0.0	9.371	0.102	0	0	1	2 L
L PL.30607	PL.30606	C	#4 ACSR	7.08Y	117.9	0.00	7.06	0.01	0	0	0	100	0.00	0.0	9.433	0.062	0	0	0	1 L
L PL.30245	PL.30607	C	#1/0 ACSR	7.08Y	117.9	0.00	7.06	0.01	0	0	0	100	0.00	0.0	9.484	0.051	0	0	1	1 L
L PL.30610	PL.30445	C	6 A (CWC)	7.07Y	117.9	0.08	7.14	29.55	21	200	61	96	0.12	0.1	9.138	0.060	7	2	1	59 L
L PL.30611	PL.30610	C	6 A (CWC)	7.06Y	117.7	0.13	7.27	28.45	20	192	59	96	0.19	0.1	9.234	0.095	0	0	0	58 L
L PL.30447	PL.30611	C	6 A (CWC)	7.05Y	117.6	0.15	7.42	28.45	20	192	59	96	0.23	0.1	9.352	0.118	0	0	0	58 L
L PL.30608	PL.30447	C	6 A (CWC)	7.04Y	117.4	0.19	7.61	28.45	20	192	59	96	0.28	0.1	9.499	0.148	5	2	2	58 L
L PL.30609	PL.30608	C	6 A (CWC)	7.03Y	117.2	0.21	7.82	27.66	20	186	57	96	0.30	0.2	9.662	0.163	0	0	0	56 L
L PL.30224	PL.30609	C	#4 ACSR	7.03Y	117.2	0.00	7.82	0.00	0	0	0	100	0.00	0.0	9.708	0.046	0	0	0	0 L
L PL.30448	PL.30224	C	#4 ACSR	7.03Y	117.2	0.00	7.82	0.00	0	0	0	100	0.00	0.0	9.941	0.232	0	0	0	0 L
L PL.30382	PL.30609	C	6 A (CWC)	7.02Y	117.0	0.22	8.04	27.66	20	186	57	96	0.32	0.2	9.835	0.173	0	0	0	56 L
L PL.30449	PL.30382	C	6 A (CWC)	7.01Y	116.8	0.15	8.19	27.66	20	186	56	96	0.21	0.1	9.949	0.114	0	0	0	56 L
L PL.31016	PL.30449	C	6 A (CWC)	7.00Y	116.6	0.17	8.36	27.66	20	185	56	96	0.25	0.1	10.086	0.137	0	0	0	56 L

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Balanced Voltage Drop Report
Source: Sand Gap

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
L PD.4232	PL.31016	C	25T	7.00Y	116.6	0.00	8.36	27.66	0	185	56	96	0.00	0.0	10.086	0.137	0	0	0	56 L
L PL.31017	PD.4232	C	6 A (CWC)	6.99Y	116.5	0.18	8.54	27.66	20	185	56	96	0.26	0.1	10.230	0.144	9	3	2	56 L
L PL.30383	PL.31017	C	6 A (CWC)	6.99Y	116.5	0.00	8.54	0.62	0	4	1	97	0.00	0.0	10.271	0.041	0	0	0	1 L
L PL.30227	PL.30383	C	6 A (CWC)	6.99Y	116.5	0.00	8.54	0.62	0	4	1	97	0.00	0.0	10.336	0.064	4	1	1	1 L
L PL.30226	PL.31017	C	6 A (CWC)	6.98Y	116.3	0.11	8.65	25.73	18	172	52	96	0.15	0.1	10.326	0.096	7	2	2	53 L
L PL.30825	PL.30226	C	6 A (CWC)	6.98Y	116.3	0.08	8.74	23.38	17	156	47	96	0.10	0.1	10.406	0.080	5	2	2	49 L
L PL.30826	PL.30825	C	6 A (CWC)	6.97Y	116.2	0.08	8.82	22.58	16	151	46	96	0.10	0.1	10.488	0.082	5	2	2	47 L
L PL.30824	PL.30826	C	6 A (CWC)	6.97Y	116.1	0.09	8.91	21.78	16	145	44	96	0.10	0.1	10.577	0.089	0	0	0	45 L
L PL.30230	PL.30824	C	#4 ACSR	6.97Y	116.1	0.00	8.91	0.66	1	4	1	97	0.00	0.0	10.606	0.029	4	1	1	1 L
L PL.30229	PL.30824	C	6 A (CWC)	6.96Y	116.1	0.03	8.94	21.12	15	141	43	96	0.04	0.0	10.613	0.036	2	1	1	44 L
L PL.30819	PL.30229	C	6 A (CWC)	6.95Y	115.9	0.15	9.09	16.17	12	108	33	96	0.13	0.1	10.815	0.202	0	0	0	35 L
L PL.30820	PL.30819	C	6 A (CWC)	6.95Y	115.8	0.06	9.16	16.17	12	108	33	96	0.05	0.1	10.905	0.090	7	2	2	35 L
L PL.30234	PL.30820	C	#1/0 ACSR	6.95Y	115.8	0.00	9.16	0.53	0	4	1	97	0.00	0.0	11.002	0.096	4	1	2	2 L
L PL.30235	PL.30234	C	#1/0 ACSR	6.95Y	115.8	0.00	9.16	0.00	0	0	0	100	0.00	0.0	11.243	0.241	0	0	0	0 L
L PL.30572	PL.30820	C	6 A (CWC)	6.94Y	115.7	0.10	9.26	14.65	10	97	29	96	0.08	0.1	11.058	0.153	5	2	2	31 L
L PL.30573	PL.30572	C	6 A (CWC)	6.94Y	115.7	0.04	9.30	12.05	9	80	24	96	0.03	0.0	11.136	0.078	8	2	2	27 L
L PL.30385	PL.30573	C	6 A (CWC)	6.94Y	115.7	0.00	9.30	0.00	0	0	0	100	0.00	0.0	11.254	0.118	0	0	1	1 L
L PL.30817	PL.30573	C	6 A (CWC)	6.94Y	115.6	0.06	9.36	10.86	8	72	22	96	0.03	0.0	11.258	0.122	8	2	3	24 L
L PL.30818	PL.30817	C	6 A (CWC)	6.94Y	115.6	0.03	9.39	9.69	7	64	19	96	0.02	0.0	11.337	0.079	9	3	2	21 L
L PL.30816	PL.30818	C	6 A (CWC)	6.93Y	115.5	0.07	9.46	8.35	6	55	17	96	0.03	0.1	11.519	0.182	0	0	0	19 L
L PL.30811	PL.30816	C	6 A (CWC)	6.93Y	115.5	0.04	9.50	7.42	5	49	15	96	0.02	0.0	11.645	0.125	0	0	1	15 L
L PL.30812	PL.30811	C	6 A (CWC)	6.93Y	115.4	0.06	9.56	7.41	5	49	15	96	0.02	0.0	11.811	0.166	0	0	0	14 L
L PL.30452	PL.30812	C	6 A (CWC)	6.92Y	115.4	0.04	9.60	7.41	5	49	15	96	0.02	0.0	11.938	0.127	0	0	0	14 L
L PL.30809	PL.30452	C	6 A (CWC)	6.92Y	115.4	0.02	9.62	7.23	5	48	14	96	0.01	0.0	11.994	0.055	8	2	2	13 L
L PL.30810	PL.30809	C	6 A (CWC)	6.92Y	115.4	0.03	9.65	6.09	4	40	12	96	0.01	0.0	12.091	0.097	0	0	0	11 L
L PL.30239	PL.30810	C	6 A (CWC)	6.92Y	115.4	0.00	9.65	0.92	1	6	2	95	0.00	0.0	12.136	0.045	6	2	3	3 L
L PL.30238	PL.30810	C	6 A (CWC)	6.92Y	115.3	0.02	9.66	5.17	4	34	10	96	0.00	0.0	12.158	0.067	0	0	0	8 L
L PL.30386	PL.30238	C	6 A (CWC)	6.92Y	115.3	0.01	9.68	4.42	3	29	9	96	0.00	0.0	12.230	0.072	0	0	0	7 L
L PL.30807	PL.30386	C	6 A (CWC)	6.92Y	115.3	0.02	9.70	3.44	2	23	7	96	0.00	0.0	12.341	0.111	2	1	2	6 L
L PL.30808	PL.30807	C	6 A (CWC)	6.92Y	115.3	0.01	9.71	3.07	2	20	6	96	0.00	0.0	12.410	0.069	0	0	0	4 L
L PL.30242	PL.30808	C	6 A (CWC)	6.92Y	115.3	0.00	9.71	0.40	0	3	1	95	0.00	0.0	12.510	0.100	3	1	1	1 L

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

Balanced Voltage Drop Report
Source: Sand Gap

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
L PL.30387	PL.30808	C	6 A (CWC)	6.92Y	115.3	0.02	9.72	2.67	2	18	5	96	0.00	0.0	12.555	0.145	0	0	0	3 L
L PL.30453	PL.30387	C	6 A (CWC)	6.92Y	115.3	0.01	9.73	2.67	2	18	5	96	0.00	0.0	12.667	0.112	7	2	2	3 L
L PL.30247	PL.30453	C	#1/0 ACSR	6.92Y	115.3	0.00	9.74	1.64	1	11	3	96	0.00	0.0	12.723	0.055	11	3	1	1 L
L PL.30241	PL.30386	C	#4 ACSR	6.92Y	115.3	0.00	9.68	0.98	1	6	2	95	0.00	0.0	12.259	0.028	6	2	1	1 L
L PL.30240	PL.30238	C	#2 ACSR	6.92Y	115.3	0.00	9.67	0.75	0	5	1	98	0.00	0.0	12.178	0.020	5	1	1	1 L
L PL.30246	PL.30452	C	#1/0 ACSR	6.92Y	115.4	0.00	9.60	0.18	0	1	0	100	0.00	0.0	11.958	0.020	1	0	1	1 L
L PL.30814	PL.30816	C	#4 ACSR	6.93Y	115.5	0.00	9.46	0.94	1	6	2	95	0.00	0.0	11.578	0.059	0	0	1	4 L
L PL.30815	PL.30814	C	#4 ACSR	6.93Y	115.5	0.00	9.47	0.92	1	6	2	95	0.00	0.0	11.650	0.072	6	2	2	3 L
L PL.30813	PL.30815	C	#4 ACSR	6.93Y	115.5	0.00	9.47	0.01	0	0	0	100	0.00	0.0	11.692	0.042	0	0	1	1 L
L PL.30236	PL.30572	C	#2 ACSR	6.94Y	115.7	0.00	9.26	1.85	1	12	4	95	0.00	0.0	11.080	0.022	12	4	2	2 L
L PL.30231	PL.30229	C	#4 ACSR	6.96Y	116.0	0.01	8.95	3.39	3	23	7	96	0.00	0.0	10.664	0.051	4	1	1	4 L
L PL.30384	PL.30231	C	#4 ACSR	6.96Y	116.0	0.00	8.96	1.49	1	10	3	96	0.00	0.0	10.813	0.149	10	3	1	1 L
L PL.30232	PL.30231	C	#4 ACSR	6.96Y	116.0	0.00	8.96	1.27	1	8	3	94	0.00	0.0	10.837	0.172	8	3	2	2 L
L PL.30233	PL.30232	C	#1/0 ACSR	6.96Y	116.0	0.00	8.96	0.00	0	0	0	100	0.00	0.0	10.895	0.059	0	0	0	0 L
L PL.30822	PL.30229	C	6 A (CWC)	6.96Y	116.1	0.01	8.95	1.20	1	8	2	97	0.00	0.0	10.727	0.114	0	0	2	4 L
L PL.30823	PL.30822	C	6 A (CWC)	6.96Y	116.0	0.01	8.96	1.20	1	8	2	97	0.00	0.0	10.842	0.115	0	0	0	2 L
L PL.30821	PL.30823	C	6 A (CWC)	6.96Y	116.0	0.00	8.96	1.20	1	8	2	97	0.00	0.0	10.878	0.036	8	2	2	2 L
L PL.30228	PL.30226	C	6 A (CWC)	6.98Y	116.3	0.00	8.65	1.24	1	8	3	94	0.00	0.0	10.389	0.062	8	3	2	2 L
PL.30223	PL.30638	C	#1/0 ACSR	7.09Y	118.1	0.00	6.88	0.77	0	5	2	93	0.00	0.0	8.941	0.125	5	2	2	2
PL.32690	PL.30575	C	#1/0 ACSR	7.16Y	119.4	0.00	5.63	0.00	0	0	0	100	0.00	0.0	7.333	0.002	0	0	0	0
PL.30212	PL.30647	C	6 A (CWC)	7.19Y	119.8	0.00	5.20	2.74	2	19	6	95	0.00	0.0	6.910	0.028	19	6	6	6
PL.30649	PL.30648	C	#4 ACSR	7.20Y	119.9	0.00	5.05	1.90	1	13	4	96	0.00	0.0	6.784	0.040	12	4	1	2
PL.30650	PL.30649	C	#4 ACSR	7.20Y	119.9	0.00	5.05	0.17	0	1	0	100	0.00	0.0	6.845	0.061	1	0	1	1
PL.30377	PL.30376	ABC	336 MCM AC	7.21Y	120.1	0.00	4.88	23.32	4	482	147	96	0.01	0.0	6.626	0.023	1	0	1	163
PL.30805	PL.30377	ABC	336 MCM AC	7.21Y	120.1	0.01	4.89	23.26	4	481	147	96	0.03	0.0	6.699	0.073	20	6	1	162
PL.30806	PL.30805	ABC	336 MCM AC	7.21Y	120.1	0.01	4.90	22.28	4	461	141	96	0.03	0.0	6.763	0.064	9	3	2	161
PL.31056	PL.30806	ABC	336 MCM AC	7.21Y	120.1	0.00	4.91	21.32	4	441	135	96	0.00	0.0	6.767	0.004	0	0	0	157
PL.31057	PL.31056	ABC	336 MCM AC	7.20Y	120.1	0.02	4.92	21.32	4	441	135	96	0.04	0.0	6.872	0.104	0	0	0	157
PL.30803	PL.31057	ABC	336 MCM AC	7.20Y	120.1	0.00	4.93	21.20	4	438	134	96	0.01	0.0	6.898	0.026	4	1	2	154
PL.30804	PL.30803	ABC	336 MCM AC	7.20Y	120.1	0.00	4.93	21.02	4	434	133	96	0.01	0.0	6.924	0.027	0	0	0	152
PL.31014	PL.30804	C	#1/0 ACSR	7.20Y	120.1	0.00	4.93	0.42	0	3	1	95	0.00	0.0	6.929	0.004	0	0	0	1

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Balanced Voltage Drop Report
Source: Sand Gap

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.4231	PL.31014	C	65T	7.20Y	120.1	0.00	4.93	0.42	0	3	1	95	0.00	0.0	6.929	0.004	0	0	0	1
PL.31015	PD.4231	C	#1/0 ACSR	7.20Y	120.1	0.00	4.93	0.42	0	3	1	95	0.00	0.0	6.961	0.032	3	1	1	1
PL.30571	PL.30804	ABC	336 MCM AC	7.20Y	120.1	0.01	4.94	20.88	4	431	132	96	0.01	0.0	6.963	0.039	9	3	1	151
PL.30798	PL.30571	ABC	336 MCM AC	7.20Y	120.1	0.01	4.95	20.43	4	422	129	96	0.02	0.0	7.033	0.069	0	0	2	150
PL.30799	PL.30798	ABC	336 MCM AC	7.20Y	120.0	0.01	4.95	20.43	4	422	129	96	0.01	0.0	7.076	0.043	11	3	1	148
PL.30388	PL.30799	ABC	336 MCM AC	7.20Y	120.0	0.01	4.96	19.56	4	404	124	96	0.01	0.0	7.118	0.042	8	2	1	146
PL.30796	PL.30388	ABC	#1/0 ACSR	7.20Y	120.0	0.03	5.00	18.68	8	386	118	96	0.09	0.0	7.218	0.100	3	1	1	139
PL.30797	PL.30796	ABC	#1/0 ACSR	7.20Y	120.0	0.04	5.04	18.56	8	383	117	96	0.11	0.0	7.342	0.123	0	0	0	138
PL.30493	PL.30797	ABC	#1/0 ACSR	7.20Y	119.9	0.04	5.08	18.56	8	383	117	96	0.11	0.0	7.457	0.116	0	0	0	138
PD.4269	PL.30493	ABC	50L	7.20Y	119.9	0.00	5.08	18.56	37	383	117	96	0.00	0.0	7.457	0.116	0	0	0	138
PL.30494	PD.4269	ABC	#1/0 ACSR	7.19Y	119.9	0.02	5.09	18.56	8	383	117	96	0.04	0.0	7.505	0.048	8	3	1	138
PL.30570	PL.30494	ABC	#1/0 ACSR	7.19Y	119.9	0.03	5.12	17.43	8	360	110	96	0.07	0.0	7.590	0.085	4	1	1	135
PL.30390	PL.30570	ABC	#1/0 ACSR	7.19Y	119.8	0.04	5.16	16.95	7	350	107	96	0.10	0.0	7.722	0.132	0	0	0	133
PL.30391	PL.30390	ABC	#1/0 ACSR	7.19Y	119.8	0.05	5.21	16.74	7	345	105	96	0.11	0.0	7.873	0.151	0	0	0	132
PL.31006	PL.30391	C	#4 ACSR	7.19Y	119.8	0.00	5.21	0.05	0	0	0	100	0.00	0.0	7.878	0.005	0	0	0	1
PD.4227	PL.31006	C	20T	7.19Y	119.8	0.00	5.21	0.05	0	0	0	100	0.00	0.0	7.878	0.005	0	0	0	1
PL.31007	PD.4227	C	#4 ACSR	7.19Y	119.8	0.00	5.21	0.05	0	0	0	100	0.00	0.0	7.934	0.056	0	0	1	1
PL.30257	PL.30391	ABC	#1/0 ACSR	7.19Y	119.8	0.03	5.24	16.72	7	345	105	96	0.08	0.0	7.974	0.101	0	0	0	131
PL.30457	PL.30257	ABC	#1/0 ACSR	7.18Y	119.7	0.03	5.27	16.72	7	345	105	96	0.08	0.0	8.086	0.112	0	0	0	131
PL.31004	PL.30457	B	6 A (CWC)	7.18Y	119.7	0.01	5.28	3.19	2	22	7	95	0.00	0.0	8.154	0.068	0	0	0	8
PD.4226	PL.31004	B	20T	7.18Y	119.7	0.00	5.28	3.19	0	22	7	95	0.00	0.0	8.154	0.068	0	0	0	8
PL.31005	PD.4226	B	6 A (CWC)	7.18Y	119.7	0.00	5.29	3.19	2	22	7	95	0.00	0.0	8.186	0.033	0	0	0	8
PL.30794	PL.31005	B	6 A (CWC)	7.18Y	119.7	0.00	5.29	3.19	2	22	7	95	0.00	0.0	8.204	0.017	0	0	1	8
PL.30275	PL.30794	B	#4 ACSR	7.18Y	119.7	0.00	5.29	1.54	1	11	3	96	0.00	0.0	8.285	0.081	4	1	1	4
PL.30792	PL.30275	B	#4 ACSR	7.18Y	119.7	0.00	5.29	0.97	1	7	2	96	0.00	0.0	8.327	0.042	2	1	2	3
PL.30793	PL.30792	B	#4 ACSR	7.18Y	119.7	0.00	5.30	0.71	1	5	1	98	0.00	0.0	8.362	0.035	0	0	0	1
PL.30277	PL.30793	B	#1/0 ACSR	7.18Y	119.7	0.00	5.30	0.71	0	5	1	98	0.00	0.0	8.457	0.095	0	0	0	1
PL.30458	PL.30277	B	#1/0 ACSR	7.18Y	119.7	0.00	5.30	0.71	0	5	1	98	0.00	0.0	8.597	0.140	5	1	1	1
PL.30260	PL.30793	B	#4 ACSR	7.18Y	119.7	0.00	5.30	0.00	0	0	0	100	0.00	0.0	8.473	0.111	0	0	0	0
PL.30259	PL.30794	B	#1/0 ACSR	7.18Y	119.7	0.00	5.29	0.94	0	6	2	95	0.00	0.0	8.221	0.018	6	2	2	2
PL.30258	PL.30794	B	#4 ACSR	7.18Y	119.7	0.00	5.29	0.68	1	5	1	98	0.00	0.0	8.255	0.052	5	1	1	1

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Balanced Voltage Drop Report
Source: Sand Gap

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru

PL.30392	PL.30457	ABC	#1/0 ACSR	7.18Y	119.7	0.03	5.30	15.66	7	323	98	96	0.06	0.0	8.177	0.091	0	0	0	123
PL.30459	PL.30392	ABC	#1/0 ACSR	7.18Y	119.7	0.03	5.33	15.66	7	323	98	96	0.07	0.0	8.285	0.109	0	0	0	123
PL.30568	PL.30459	ABC	#1/0 ACSR	7.18Y	119.6	0.04	5.37	15.66	7	323	98	96	0.09	0.0	8.421	0.136	1	0	1	123
PL.30569	PL.30568	ABC	#1/0 ACSR	7.18Y	119.6	0.03	5.40	15.61	7	322	98	96	0.07	0.0	8.524	0.103	0	0	0	122
PL.30460	PL.30569	ABC	#1/0 ACSR	7.17Y	119.6	0.03	5.42	15.61	7	321	98	96	0.06	0.0	8.613	0.089	0	0	0	122
PL.30461	PL.30460	ABC	#1/0 ACSR	7.17Y	119.6	0.02	5.44	15.61	7	321	98	96	0.05	0.0	8.693	0.079	0	0	0	122
PL.30462	PL.30461	ABC	#1/0 ACSR	7.17Y	119.5	0.05	5.49	15.61	7	321	98	96	0.11	0.0	8.858	0.166	0	0	0	122
PL.31002	PL.30462	C	#1/0 ACSR	7.17Y	119.5	0.00	5.49	4.57	2	31	9	96	0.00	0.0	8.863	0.005	0	0	0	5
PD.4225	PL.31002	C	20T	7.17Y	119.5	0.00	5.49	4.57	0	31	9	96	0.00	0.0	8.863	0.005	0	0	0	5
PL.31003	PD.4225	C	#1/0 ACSR	7.17Y	119.5	0.00	5.49	4.57	2	31	9	96	0.00	0.0	8.873	0.010	20	6	3	5
PL.30292	PL.31003	C	#2 ACSR	7.17Y	119.5	0.00	5.49	1.71	1	12	4	95	0.00	0.0	8.903	0.030	12	4	2	2
PL.30393	PL.30462	ABC	#1/0 ACSR	7.17Y	119.5	0.04	5.54	14.09	6	290	88	96	0.09	0.0	9.027	0.169	2	1	1	117
PL.30264	PL.30393	C	#4 ACSR	7.17Y	119.5	0.00	5.54	1.67	1	11	3	96	0.00	0.0	9.032	0.005	0	0	0	4
PD.4224	PL.30264	C	20T	7.17Y	119.5	0.00	5.54	1.67	0	11	3	96	0.00	0.0	9.032	0.005	0	0	0	4
PL.30262	PD.4224	C	6 A (CWC)	7.17Y	119.5	0.01	5.54	1.64	1	11	3	96	0.00	0.0	9.114	0.083	0	0	0	3
PL.30790	PL.30262	C	#2 ACSR	7.17Y	119.5	0.00	5.54	1.64	1	11	3	96	0.00	0.0	9.142	0.028	1	0	2	3
PL.30791	PL.30790	C	#2 ACSR	7.17Y	119.5	0.00	5.55	1.47	1	10	3	96	0.00	0.0	9.225	0.082	10	3	1	1
PL.30394	PD.4224	C	#4 ACSR	7.17Y	119.5	0.00	5.54	0.03	0	0	0	100	0.00	0.0	9.122	0.090	0	0	1	1
PL.30395	PL.30393	ABC	#1/0 ACSR	7.17Y	119.4	0.02	5.55	13.44	6	276	84	96	0.04	0.0	9.102	0.075	0	0	0	112
PL.30526	PL.30395	ABC	#1/0 ACSR	7.16Y	119.4	0.04	5.59	13.44	6	276	84	96	0.08	0.0	9.263	0.161	0	0	0	112
PL.30833	PL.30526	ABC	#1/0 ACSR	7.16Y	119.4	0.02	5.61	13.30	6	273	83	96	0.04	0.0	9.338	0.075	2	0	1	109
PL.30834	PL.30833	ABC	#1/0 ACSR	7.16Y	119.4	0.01	5.62	13.22	6	272	83	96	0.01	0.0	9.367	0.029	0	0	0	108
PL.30829	PL.30834	ABC	#1/0 ACSR	7.16Y	119.4	0.02	5.64	13.22	6	272	83	96	0.04	0.0	9.455	0.089	3	1	1	108
PL.30830	PL.30829	ABC	#1/0 ACSR	7.16Y	119.3	0.02	5.66	13.08	6	269	82	96	0.03	0.0	9.522	0.067	0	0	0	107
PL.31018	PL.30830	C	6 A (CWC)	7.16Y	119.3	0.00	5.66	0.00	0	0	0	100	0.00	0.0	9.527	0.005	0	0	0	2
PD.4233	PL.31018	C	20T	7.16Y	119.3	0.00	5.66	0.00	0	0	0	100	0.00	0.0	9.527	0.005	0	0	0	2
PL.31019	PD.4233	C	6 A (CWC)	7.16Y	119.3	0.00	5.66	0.00	0	0	0	100	0.00	0.0	9.642	0.115	0	0	0	2
PL.30530	PL.31019	C	6 A (CWC)	7.16Y	119.3	0.00	5.66	0.00	0	0	0	100	0.00	0.0	9.810	0.168	0	0	0	2
PL.30531	PL.30530	C	6 A (CWC)	7.16Y	119.3	0.00	5.66	0.00	0	0	0	100	0.00	0.0	9.919	0.110	0	0	1	2
PL.30268	PL.30531	C	#1/0 ACSR	7.16Y	119.3	0.00	5.66	0.00	0	0	0	100	0.00	0.0	10.104	0.185	0	0	1	1
PL.65826	PL.30268	C	#1/0 ACSR	7.16Y	119.3	0.00	5.66	0.00	0	0	0	100	0.00	0.0	10.122	0.018	0	0	0	0

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Source: Sand Gap

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.65827	PL.65826	C	#1/0 ACSR	7.16Y	119.3	0.00	5.66	0.00	0	0	0	100	0.00	0.0	10.187	0.064	0	0	0	0
PL.65828	PL.65827	C	#1/0 ACSR	7.16Y	119.3	0.00	5.66	0.00	0	0	0	100	0.00	0.0	10.270	0.083	0	0	0	0
PL.30827	PL.30830	ABC	#1/0 ACSR	7.16Y	119.3	0.03	5.69	13.08	6	269	82	96	0.06	0.0	9.659	0.137	0	0	0	105
PL.30828	PL.30827	ABC	#1/0 ACSR	7.16Y	119.3	0.02	5.71	13.08	6	269	82	96	0.04	0.0	9.754	0.095	0	0	0	105
PL.30786	PL.30828	ABC	#1/0 ACSR	7.16Y	119.3	0.02	5.73	12.77	6	262	80	96	0.04	0.0	9.851	0.097	4	1	1	102
PL.30481	PL.30786	ABC	#1/0 ACSR	7.16Y	119.3	0.01	5.75	12.58	5	258	78	96	0.02	0.0	9.905	0.054	0	0	0	101
PD.4264-A	PL.30481	ABC	Closed	7.16Y	119.3	0.00	5.75	12.58	0	258	78	96	0.00	0.0	9.905	0.054	0	0	0	101
PD.4264-B	PD.4264-A	ABC	Closed	7.16Y	119.3	0.00	5.75	12.58	0	258	78	96	0.00	0.0	9.905	0.054	0	0	0	101
PL.30482	PD.4264-B	ABC	#1/0 ACSR	7.15Y	119.2	0.02	5.77	12.58	5	258	78	96	0.04	0.0	10.000	0.095	0	0	0	101
PL.30532	PL.30482	ABC	#1/0 ACSR	7.15Y	119.2	0.02	5.79	12.58	5	258	78	96	0.04	0.0	10.092	0.093	0	0	0	101
PL.30533	PL.30532	ABC	#1/0 ACSR	7.15Y	119.2	0.02	5.81	12.58	5	258	78	96	0.04	0.0	10.179	0.087	0	0	0	101
PL.30398	PL.30533	ABC	#1/0 ACSR	7.15Y	119.2	0.02	5.83	12.37	5	254	77	96	0.03	0.0	10.256	0.077	0	0	0	100
PL.30783	PL.30398	ABC	#1/0 ACSR	7.15Y	119.2	0.01	5.83	12.37	5	254	77	96	0.02	0.0	10.293	0.037	2	1	1	100
PL.30784	PL.30783	ABC	#1/0 ACSR	7.15Y	119.1	0.02	5.86	12.26	5	252	76	96	0.04	0.0	10.386	0.093	0	0	0	99
PL.30399	PL.30784	ABC	#1/0 ACSR	7.15Y	119.1	0.03	5.89	12.26	5	252	76	96	0.06	0.0	10.524	0.138	0	0	0	99
PL.30781	PL.30399	ABC	#1/0 ACSR	7.15Y	119.1	0.02	5.90	12.26	5	252	76	96	0.03	0.0	10.604	0.079	4	1	1	99
PL.30782	PL.30781	ABC	#1/0 ACSR	7.14Y	119.1	0.01	5.92	12.08	5	248	75	96	0.03	0.0	10.671	0.067	2	1	1	98
PL.30780	PL.30782	ABC	#1/0 ACSR	7.14Y	119.1	0.03	5.95	11.99	5	246	75	96	0.05	0.0	10.801	0.130	0	0	0	97
PL.30779	PL.30780	ABC	#1/0 ACSR	7.14Y	119.0	0.01	5.96	11.99	5	246	74	96	0.02	0.0	10.864	0.063	0	0	0	97
PL.30996	PL.30779	C	6 A (CWC)	7.14Y	119.0	0.00	5.96	0.91	1	6	2	95	0.00	0.0	10.868	0.005	0	0	0	5
PD.4221	PL.30996	C	20T	7.14Y	119.0	0.00	5.96	0.91	0	6	2	95	0.00	0.0	10.868	0.005	0	0	0	5
PL.30997	PD.4221	C	6 A (CWC)	7.14Y	119.0	0.00	5.96	0.91	1	6	2	95	0.00	0.0	10.921	0.053	6	2	3	5
PL.30778	PL.30997	C	6 A (CWC)	7.14Y	119.0	0.00	5.96	0.02	0	0	0	100	0.00	0.0	10.972	0.051	0	0	1	2
PL.30270	PL.30778	C	#1/0 ACSR	7.14Y	119.0	0.00	5.96	0.00	0	0	0	100	0.00	0.0	11.024	0.052	0	0	0	0
PL.30401	PL.30778	C	6 A (CWC)	7.14Y	119.0	0.00	5.96	0.01	0	0	0	100	0.00	0.0	11.108	0.136	0	0	0	1
PL.30534	PL.30401	C	6 A (CWC)	7.14Y	119.0	0.00	5.96	0.01	0	0	0	100	0.00	0.0	11.233	0.125	0	0	1	1
PL.30400	PL.30779	ABC	#1/0 ACSR	7.14Y	119.0	0.03	5.99	11.69	5	240	73	96	0.05	0.0	10.994	0.130	0	0	0	92
PL.30535	PL.30400	ABC	#1/0 ACSR	7.14Y	119.0	0.02	6.01	11.69	5	240	73	96	0.04	0.0	11.096	0.103	6	2	1	92
PL.30271	PL.30535	A	#4 ACSR	7.14Y	119.0	0.00	6.01	1.78	1	12	4	95	0.00	0.0	11.101	0.005	0	0	0	3
PD.4220	PL.30271	A	20T	7.14Y	119.0	0.00	6.01	1.78	0	12	4	95	0.00	0.0	11.101	0.005	0	0	0	3
PL.30403	PD.4220	A	#4 ACSR	7.14Y	119.0	0.00	6.01	1.45	1	10	3	96	0.00	0.0	11.221	0.121	10	3	2	2

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Balanced Voltage Drop Report
Source: Sand Gap

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru

PL.30272	PD.4220	A	#1/0 ACSR	7.14Y	119.0	0.00	6.01	0.33	0	2	1	89	0.00	0.0	11.196	0.095	2	1	1	1
PL.30402	PL.30535	ABC	#1/0 ACSR	7.14Y	119.0	0.03	6.04	10.80	5	221	67	96	0.04	0.0	11.239	0.142	5	1	1	88
PL.30994	PL.30402	C	#4 ACSR	7.14Y	119.0	0.00	6.04	0.00	0	0	0	100	0.00	0.0	11.243	0.005	0	0	0	1
PD.4219	PL.30994	C	20T	7.14Y	119.0	0.00	6.04	0.00	0	0	0	100	0.00	0.0	11.243	0.005	0	0	0	1
PL.30995	PD.4219	C	#4 ACSR	7.14Y	119.0	0.00	6.04	0.00	0	0	0	100	0.00	0.0	11.323	0.080	0	0	1	1
PL.30404	PL.30402	ABC	#1/0 ACSR	7.14Y	118.9	0.02	6.06	10.57	5	217	66	96	0.04	0.0	11.360	0.122	0	0	0	86
PL.30278	PL.30404	A	6 A (CWC)	7.14Y	118.9	0.00	6.06	0.57	0	4	1	97	0.00	0.0	11.365	0.005	0	0	0	2
PD.4218	PL.30278	A	20T	7.14Y	118.9	0.00	6.06	0.57	0	4	1	97	0.00	0.0	11.365	0.005	0	0	0	2
PL.30406	PD.4218	A	6 A (CWC)	7.14Y	118.9	0.00	6.06	0.00	0	0	0	100	0.00	0.0	11.428	0.063	0	0	0	0
PL.30295	PL.30406	A	#4 ACSR	7.14Y	118.9	0.00	6.06	0.00	0	0	0	100	0.00	0.0	11.529	0.101	0	0	0	0
PL.30563	PD.4218	A	#1/0 ACSR	7.14Y	118.9	0.00	6.06	0.57	0	4	1	97	0.00	0.0	11.473	0.108	0	0	1	2
PL.30777	PL.30563	A	#1/0 ACSR	7.14Y	118.9	0.00	6.06	0.57	0	4	1	97	0.00	0.0	11.544	0.071	4	1	1	1
PL.30405	PL.30404	ABC	#1/0 ACSR	7.14Y	118.9	0.01	6.08	10.38	5	213	64	96	0.02	0.0	11.437	0.077	0	0	0	84
PL.30323	PL.30405	ABC	#1/0 ACSR	7.13Y	118.9	0.03	6.10	10.38	5	213	64	96	0.04	0.0	11.583	0.146	1	0	1	84
PL.30775	PL.30323	ABC	#1/0 ACSR	7.13Y	118.9	0.02	6.13	10.06	4	206	62	96	0.03	0.0	11.710	0.127	0	0	0	80
PL.30776	PL.30775	ABC	#1/0 ACSR	7.13Y	118.9	0.01	6.14	10.06	4	206	62	96	0.01	0.0	11.752	0.042	0	0	0	80
PL.30407	PL.30776	ABC	#1/0 ACSR	7.13Y	118.8	0.03	6.16	10.00	4	205	62	96	0.04	0.0	11.914	0.162	1	0	2	79
PL.30988	PL.30407	C	6 A (CWC)	7.13Y	118.8	0.00	6.16	0.00	0	0	0	100	0.00	0.0	11.919	0.005	0	0	0	0
PD.4215	PL.30988	C	20T	7.13Y	118.8	0.00	6.16	0.00	0	0	0	100	0.00	0.0	11.919	0.005	0	0	0	0
PL.30989	PD.4215	C	6 A (CWC)	7.13Y	118.8	0.00	6.16	0.00	0	0	0	100	0.00	0.0	12.121	0.203	0	0	0	0
PL.30408	PL.30407	ABC	#1/0 ACSR	7.13Y	118.8	0.02	6.18	9.98	4	204	62	96	0.02	0.0	12.004	0.090	1	0	1	77
PL.30986	PL.30408	C	#4 ACSR	7.13Y	118.8	0.00	6.18	0.59	0	4	1	97	0.00	0.0	12.009	0.005	0	0	0	5
PD.4214	PL.30986	C	20T	7.13Y	118.8	0.00	6.18	0.59	0	4	1	97	0.00	0.0	12.009	0.005	0	0	0	5
PL.30987	PD.4214	C	#4 ACSR	7.13Y	118.8	0.00	6.19	0.59	0	4	1	97	0.00	0.0	12.170	0.161	0	0	1	5
PL.30772	PL.30987	C	#4 ACSR	7.13Y	118.8	0.00	6.19	0.53	0	4	1	97	0.00	0.0	12.288	0.118	2	1	1	3
PL.30773	PL.30772	C	#4 ACSR	7.13Y	118.8	0.00	6.19	0.19	0	1	0	100	0.00	0.0	12.312	0.024	1	0	2	2
PL.30410	PL.30987	C	#4 ACSR	7.13Y	118.8	0.00	6.19	0.06	0	0	0	100	0.00	0.0	12.334	0.165	0	0	0	1
PL.30536	PL.30410	C	#4 ACSR	7.13Y	118.8	0.00	6.19	0.06	0	0	0	100	0.00	0.0	12.491	0.156	0	0	0	1
PL.30279	PL.30536	C	#4 ACSR	7.13Y	118.8	0.00	6.19	0.06	0	0	0	100	0.00	0.0	12.551	0.060	0	0	1	1
PL.30411	PL.30536	C	#4 ACSR	7.13Y	118.8	0.00	6.19	0.00	0	0	0	100	0.00	0.0	12.605	0.114	0	0	0	0
PL.30409	PL.30408	ABC	#1/0 ACSR	7.13Y	118.8	0.01	6.19	9.72	4	199	60	96	0.02	0.0	12.072	0.068	12	4	1	71

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.30412	PL.30409	ABC	#1/0 ACSR	7.13Y	118.8	0.02	6.21	9.14	4	187	57	96	0.02	0.0	12.179	0.107	0	0	0	69
PL.30413	PL.30412	ABC	#1/0 ACSR	7.13Y	118.8	0.03	6.24	7.99	3	164	49	96	0.03	0.0	12.367	0.188	0	0	0	64
PL.30980	PL.30413	A	#4 ACSR	7.13Y	118.8	0.00	6.24	1.23	1	8	3	94	0.00	0.0	12.371	0.005	0	0	0	1
PD.4211	PL.30980	A	20T	7.13Y	118.8	0.00	6.24	1.23	0	8	3	94	0.00	0.0	12.371	0.005	0	0	0	1
PL.30981	PD.4211	A	#4 ACSR	7.13Y	118.8	0.00	6.24	1.23	1	8	3	94	0.00	0.0	12.420	0.048	8	3	1	1
PL.30766	PL.30413	ABC	#1/0 ACSR	7.13Y	118.8	0.01	6.25	7.58	3	155	47	96	0.01	0.0	12.438	0.071	5	1	1	63
PL.30767	PL.30766	ABC	#1/0 ACSR	7.12Y	118.7	0.01	6.26	7.36	3	151	45	96	0.02	0.0	12.549	0.110	3	1	1	62
PL.30765	PL.30767	ABC	#1/0 ACSR	7.12Y	118.7	0.01	6.28	7.19	3	147	44	96	0.01	0.0	12.649	0.101	0	0	0	61
PL.30538	PL.30765	ABC	#1/0 ACSR	7.12Y	118.7	0.02	6.29	7.19	3	147	44	96	0.02	0.0	12.767	0.118	7	2	1	61
PL.30978	PL.30538	A	6 A (CWC)	7.12Y	118.7	0.00	6.29	0.41	0	3	1	95	0.00	0.0	12.772	0.005	0	0	0	4
PD.4210	PL.30978	A	20T	7.12Y	118.7	0.00	6.29	0.41	0	3	1	95	0.00	0.0	12.772	0.005	0	0	0	4
PL.30979	PD.4210	A	6 A (CWC)	7.12Y	118.7	0.00	6.29	0.41	0	3	1	95	0.00	0.0	12.820	0.048	1	0	2	4
PL.30764	PL.30979	A	6 A (CWC)	7.12Y	118.7	0.00	6.29	0.26	0	2	1	89	0.00	0.0	12.942	0.122	2	1	2	2
PL.30762	PL.30538	ABC	#1/0 ACSR	7.12Y	118.7	0.02	6.31	6.70	3	137	41	96	0.02	0.0	12.934	0.167	9	3	1	56
PL.30763	PL.30762	ABC	#1/0 ACSR	7.12Y	118.7	0.01	6.32	6.25	3	128	39	96	0.01	0.0	12.995	0.061	0	0	0	55
PL.30562	PL.30763	ABC	#1/0 ACSR	7.12Y	118.7	0.01	6.32	5.93	3	121	37	96	0.01	0.0	13.052	0.056	0	0	0	54
PL.30324	PL.30562	ABC	#1/0 ACSR	7.12Y	118.7	0.02	6.34	5.93	3	121	37	96	0.02	0.0	13.223	0.171	0	0	0	54
PL.30560	PL.30324	ABC	#1/0 ACSR	7.12Y	118.6	0.01	6.35	5.93	3	121	37	96	0.01	0.0	13.317	0.094	0	0	0	54
PL.30974	PL.30560	C	6 A (CWC)	7.12Y	118.6	0.00	6.35	0.00	0	0	0	100	0.00	0.0	13.321	0.005	0	0	0	0
PD.4208	PL.30974	C	20T	7.12Y	118.6	0.00	6.35	0.00	0	0	0	100	0.00	0.0	13.321	0.005	0	0	0	0
PL.30975	PD.4208	C	6 A (CWC)	7.12Y	118.6	0.00	6.35	0.00	0	0	0	100	0.00	0.0	13.381	0.060	0	0	0	0
PL.31064	PL.30560	A	6 A (CWC)	7.12Y	118.6	0.00	6.35	7.62	5	52	16	96	0.00	0.0	13.321	0.005	0	0	0	16
PD.4258	PL.31064	A	20T	7.12Y	118.6	0.00	6.35	7.62	0	52	16	96	0.00	0.0	13.321	0.005	0	0	0	16
PL.31065	PD.4258	A	6 A (CWC)	7.12Y	118.6	0.01	6.36	7.62	5	52	16	96	0.00	0.0	13.344	0.023	12	4	3	16
PL.30761	PL.31065	A	6 A (CWC)	7.12Y	118.6	0.02	6.38	5.82	4	40	12	96	0.00	0.0	13.402	0.058	2	1	1	13
PL.30760	PL.30761	A	6 A (CWC)	7.12Y	118.6	0.01	6.39	5.50	4	37	11	96	0.00	0.0	13.457	0.055	0	0	0	12
PL.30540	PL.30760	A	6 A (CWC)	7.11Y	118.6	0.05	6.44	5.50	4	37	11	96	0.01	0.0	13.644	0.187	0	0	0	12
PL.30564	PL.30540	A	#2 ACSR	7.11Y	118.5	0.02	6.46	5.50	3	37	11	96	0.01	0.0	13.784	0.140	0	0	0	12
PL.30854	PL.30564	A	#2 ACSR	7.11Y	118.5	0.00	6.46	1.10	1	8	2	97	0.00	0.0	13.851	0.066	0	0	1	3
PL.30855	PL.30854	A	#2 ACSR	7.11Y	118.5	0.00	6.46	1.09	1	7	2	96	0.00	0.0	13.882	0.031	7	2	1	2
PL.30856	PL.30855	A	#2 ACSR	7.11Y	118.5	0.00	6.46	0.01	0	0	0	100	0.00	0.0	13.926	0.044	0	0	1	1

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.30281	PL.30564	A	6 A (CWC)	7.11Y	118.5	0.03	6.49	4.40	3	30	9	96	0.01	0.0	13.932	0.148	0	0	0	9
PL.30565	PL.30281	A	6 A (CWC)	7.11Y	118.5	0.04	6.53	4.40	3	30	9	96	0.01	0.0	14.120	0.187	0	0	0	9
PL.30857	PL.30565	A	6 A (CWC)	7.11Y	118.5	0.02	6.55	4.40	3	30	9	96	0.00	0.0	14.200	0.080	0	0	1	9
PL.30858	PL.30857	A	6 A (CWC)	7.11Y	118.4	0.02	6.57	4.40	3	30	9	96	0.01	0.0	14.317	0.117	0	0	0	8
PL.30298	PL.30858	A	6 A (CWC)	7.10Y	118.4	0.02	6.59	4.40	3	30	9	96	0.00	0.0	14.400	0.083	0	0	0	8
PL.30312	PL.30298	A	#4 ACSR	7.10Y	118.4	0.02	6.61	4.40	3	30	9	96	0.01	0.0	14.526	0.127	0	0	0	8
PL.30313	PL.30312	A	6 A (CWC)	7.10Y	118.4	0.00	6.61	0.00	0	0	0	100	0.00	0.0	14.649	0.123	0	0	0	0
PL.30566	PL.30312	A	#4 ACSR	7.10Y	118.4	0.01	6.62	4.40	3	30	9	96	0.00	0.0	14.554	0.028	0	0	0	8
PL.30567	PL.30566	A	#4 ACSR	7.10Y	118.4	0.03	6.65	4.40	3	30	9	96	0.01	0.0	14.723	0.169	6	2	2	8
PL.30861	PL.30567	A	#4 ACSR	7.10Y	118.4	0.00	6.65	0.74	1	5	2	93	0.00	0.0	14.795	0.072	0	0	0	1
PL.30862	PL.30861	A	#4 ACSR	7.10Y	118.3	0.00	6.65	0.74	1	5	2	93	0.00	0.0	14.926	0.131	0	0	0	1
PL.30541	PL.30862	A	#4 ACSR	7.10Y	118.3	0.00	6.65	0.74	1	5	2	93	0.00	0.0	15.024	0.098	5	2	1	1
PL.30864	PL.30567	A	6 A (CWC)	7.10Y	118.3	0.01	6.65	2.71	2	18	6	95	0.00	0.0	14.771	0.048	0	0	1	5
PL.30865	PL.30864	A	6 A (CWC)	7.10Y	118.3	0.01	6.66	2.69	2	18	6	95	0.00	0.0	14.839	0.069	0	0	0	4
PL.30863	PL.30865	A	6 A (CWC)	7.10Y	118.3	0.01	6.67	2.69	2	18	5	96	0.00	0.0	14.890	0.051	0	0	0	4
PL.30415	PL.30863	A	6 A (CWC)	7.10Y	118.3	0.00	6.67	0.59	0	4	1	97	0.00	0.0	14.944	0.053	0	0	0	2
PL.30416	PL.30415	A	6 A (CWC)	7.10Y	118.3	0.00	6.67	0.11	0	1	0	100	0.00	0.0	15.087	0.143	0	0	0	1
PL.30542	PL.30416	A	6 A (CWC)	7.10Y	118.3	0.00	6.67	0.11	0	1	0	100	0.00	0.0	15.200	0.113	0	0	0	1
PL.30317	PL.30542	A	#4 ACSR	7.10Y	118.3	0.00	6.67	0.11	0	1	0	100	0.00	0.0	15.265	0.065	0	0	0	1
PL.30543	PL.30317	A	#4 ACSR	7.10Y	118.3	0.00	6.67	0.11	0	1	0	100	0.00	0.0	15.395	0.130	0	0	0	1
PL.30544	PL.30543	A	#4 ACSR	7.10Y	118.3	0.00	6.67	0.11	0	1	0	100	0.00	0.0	15.506	0.111	1	0	1	1
PL.30315	PL.30415	A	#4 ACSR	7.10Y	118.3	0.00	6.67	0.48	0	3	1	95	0.00	0.0	15.017	0.073	3	1	1	1
PL.30316	PL.30863	A	#1/0 ACSR	7.10Y	118.3	0.00	6.67	2.09	1	14	4	96	0.00	0.0	14.932	0.042	14	4	2	2
PL.30297	PL.30565	A	#1/0 ACSR	7.11Y	118.5	0.00	6.53	0.00	0	0	0	100	0.00	0.0	14.170	0.051	0	0	0	0
PL.30282	PL.30540	A	6 A (CWC)	7.11Y	118.6	0.00	6.44	0.00	0	0	0	100	0.00	0.0	13.742	0.098	0	0	0	0
PL.30561	PL.30560	ABC	#1/0 ACSR	7.12Y	118.6	0.00	6.35	3.39	1	69	21	96	0.00	0.0	13.362	0.045	7	2	1	38
PL.30284	PL.30561	C	6 A (CWC)	7.12Y	118.6	0.00	6.36	9.22	7	63	19	96	0.00	0.0	13.367	0.005	0	0	0	37
PD.4236	PL.30284	C	20T	7.12Y	118.6	0.00	6.36	9.22	0	63	19	96	0.00	0.0	13.367	0.005	0	0	0	37
PL.30417	PD.4236	C	6 A (CWC)	7.12Y	118.6	0.04	6.40	9.00	6	61	18	96	0.02	0.0	13.461	0.095	0	0	0	36
PL.30286	PL.30417	C	6 A (CWC)	7.11Y	118.6	0.03	6.43	9.00	6	61	18	96	0.01	0.0	13.535	0.074	0	0	0	36
PL.30548	PL.30286	C	6 A (CWC)	7.11Y	118.5	0.03	6.45	9.00	6	61	18	96	0.01	0.0	13.598	0.063	0	0	0	36

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.31020	PL.30548	C	#4 ACSR	7.11Y	118.5	0.00	6.45	8.02	6	55	16	96	0.00	0.0	13.602	0.005	0	0	0	35
PD.4235	PL.31020	C	12T	7.11Y	118.5	0.00	6.45	8.02	0	55	16	96	0.00	0.0	13.602	0.005	0	0	0	35
PL.31021	PD.4235	C	#4 ACSR	7.11Y	118.5	0.03	6.49	8.02	6	55	16	96	0.01	0.0	13.698	0.096	0	0	0	35
PL.30852	PL.31021	C	#4 ACSR	7.11Y	118.5	0.00	6.49	1.56	1	11	3	96	0.00	0.0	13.737	0.039	9	3	2	4
PL.30853	PL.30852	C	#4 ACSR	7.11Y	118.5	0.00	6.49	0.27	0	2	1	89	0.00	0.0	13.784	0.047	2	1	2	2
PL.30559	PL.31021	C	#4 ACSR	7.11Y	118.5	0.05	6.54	6.46	5	44	13	96	0.02	0.0	13.880	0.182	6	2	1	31
PL.30850	PL.30559	C	#4 ACSR	7.11Y	118.5	0.01	6.54	1.93	1	13	4	96	0.00	0.0	13.967	0.087	1	0	1	4
PL.30851	PL.30850	C	#4 ACSR	7.11Y	118.5	0.00	6.55	1.81	1	12	4	95	0.00	0.0	14.006	0.039	0	0	0	3
PL.30849	PL.30851	C	#4 ACSR	7.11Y	118.4	0.00	6.55	1.81	1	12	4	95	0.00	0.0	14.090	0.084	11	3	2	3
PL.30848	PL.30849	C	#4 ACSR	7.11Y	118.4	0.00	6.55	0.15	0	1	0	100	0.00	0.0	14.142	0.052	1	0	1	1
PL.30846	PL.30559	C	#4 ACSR	7.11Y	118.5	0.01	6.54	3.59	3	24	7	96	0.00	0.0	13.927	0.047	0	0	2	26
PL.30847	PL.30846	C	#4 ACSR	7.11Y	118.4	0.02	6.56	3.55	3	24	7	96	0.00	0.0	14.034	0.107	0	0	0	24
PL.30844	PL.30847	C	#4 ACSR	7.10Y	118.4	0.02	6.58	3.55	3	24	7	96	0.00	0.0	14.176	0.142	0	0	0	24
PL.30845	PL.30844	C	#4 ACSR	7.10Y	118.4	0.03	6.62	3.55	3	24	7	96	0.01	0.0	14.367	0.192	0	0	0	24
PL.30287	PL.30845	C	#4 ACSR	7.10Y	118.4	0.00	6.62	0.36	0	2	1	89	0.00	0.0	14.470	0.103	2	1	1	1
PL.30842	PL.30845	C	#4 ACSR	7.10Y	118.4	0.00	6.62	3.20	2	22	7	95	0.00	0.0	14.386	0.019	0	0	1	23
PL.30843	PL.30842	C	#4 ACSR	7.10Y	118.4	0.01	6.63	3.20	2	22	7	95	0.00	0.0	14.483	0.097	4	1	2	22
PL.30418	PL.30843	C	#4 ACSR	7.10Y	118.4	0.01	6.64	2.34	2	16	5	95	0.00	0.0	14.581	0.098	0	0	0	17
PL.30545	PL.30418	C	#4 ACSR	7.10Y	118.3	0.02	6.66	2.34	2	16	5	95	0.00	0.0	14.768	0.187	0	0	0	17
PL.30840	PL.30545	C	#4 ACSR	7.10Y	118.3	0.01	6.67	2.34	2	16	5	95	0.00	0.0	14.853	0.085	0	0	0	17
PL.30841	PL.30840	C	#4 ACSR	7.10Y	118.3	0.01	6.68	2.34	2	16	5	95	0.00	0.0	14.947	0.094	0	0	0	17
PL.30838	PL.30841	C	#4 ACSR	7.10Y	118.3	0.01	6.69	2.34	2	16	5	95	0.00	0.0	15.089	0.142	0	0	1	17
PL.30839	PL.30838	C	#4 ACSR	7.10Y	118.3	0.01	6.70	2.32	2	16	5	95	0.00	0.0	15.145	0.056	0	0	1	16
PL.30837	PL.30839	C	#4 ACSR	7.10Y	118.3	0.01	6.71	2.31	2	16	5	95	0.00	0.0	15.223	0.077	0	0	0	15
PL.30289	PL.30837	C	6 A (CWC)	7.10Y	118.3	0.00	6.71	2.31	2	16	5	95	0.00	0.0	15.242	0.020	1	0	1	15
PL.30555	PL.30289	C	6 A (CWC)	7.10Y	118.3	0.02	6.73	2.14	2	15	4	97	0.00	0.0	15.420	0.177	0	0	1	14
PL.30291	PL.30555	C	#4 ACSR	7.10Y	118.3	0.00	6.73	0.92	1	6	2	95	0.00	0.0	15.434	0.014	6	2	4	4
PL.30556	PL.30555	C	6 A (CWC)	7.10Y	118.3	0.01	6.73	1.22	1	8	3	94	0.00	0.0	15.546	0.127	0	0	0	9
PL.30303	PL.30556	C	#1/0 ACSR	7.10Y	118.3	0.00	6.73	0.05	0	0	0	100	0.00	0.0	15.579	0.033	0	0	2	2
PL.30302	PL.30556	C	#4 ACSR	7.10Y	118.3	0.00	6.74	1.18	1	8	2	97	0.00	0.0	15.603	0.056	0	0	1	7
PL.30835	PL.30302	C	#4 ACSR	7.10Y	118.3	0.00	6.74	0.88	1	6	2	95	0.00	0.0	15.639	0.036	4	1	1	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: Sand Gap

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.30836	PL.30835	C	#4 ACSR	7.10Y	118.3	0.00	6.74	0.27	0	2	1	89	0.00	0.0	15.755	0.116	0	0	0	2
PL.30419	PL.30836	C	#4 ACSR	7.10Y	118.3	0.00	6.74	0.00	0	0	0	100	0.00	0.0	15.827	0.072	0	0	1	1
PL.30301	PL.30836	C	#4 ACSR	7.10Y	118.3	0.00	6.74	0.27	0	2	1	89	0.00	0.0	15.819	0.064	2	1	1	1
PL.30557	PL.30302	C	#4 ACSR	7.10Y	118.3	0.00	6.74	0.26	0	2	1	89	0.00	0.0	15.749	0.146	0	0	0	3
PL.30305	PL.30557	C	#4 ACSR	7.10Y	118.3	0.00	6.74	0.00	0	0	0	100	0.00	0.0	15.889	0.140	0	0	0	1
PL.30546	PL.30305	C	#4 ACSR	7.10Y	118.3	0.00	6.74	0.00	0	0	0	100	0.00	0.0	15.989	0.100	0	0	1	1
PL.30304	PL.30557	C	#4 ACSR	7.10Y	118.3	0.00	6.74	0.14	0	1	0	100	0.00	0.0	15.843	0.094	1	0	1	1
PL.30558	PL.30557	C	#4 ACSR	7.10Y	118.3	0.00	6.74	0.13	0	1	0	100	0.00	0.0	15.758	0.009	0	0	0	1
PL.30551	PL.30558	C	#4 ACSR	7.10Y	118.3	0.00	6.74	0.13	0	1	0	100	0.00	0.0	15.758	0.000	0	0	0	1
PL.30552	PL.30551	C	#4 ACSR	7.10Y	118.3	0.00	6.74	0.13	0	1	0	100	0.00	0.0	15.759	0.000	1	0	1	1
PL.32608	PL.30552	C	#4 ACSR	7.10Y	118.3	0.00	6.74	0.00	0	0	0	100	0.00	0.0	15.763	0.004	0	0	0	0
PD.4153-B	PL.32608	C	Open	7.10Y	118.3	0.00	6.74	0.00	0	0	0	100	0.00	0.0	15.763	0.004	0	0	0	0
PL.30290	PL.30289	C	#4 ACSR	7.10Y	118.3	0.00	6.71	0.00	0	0	0	100	0.00	0.0	15.279	0.036	0	0	0	0
PL.30288	PL.30843	C	#4 ACSR	7.10Y	118.4	0.00	6.63	0.25	0	2	1	89	0.00	0.0	14.590	0.107	1	0	2	3
PL.30300	PL.30288	C	#1/0 ACSR	7.10Y	118.4	0.00	6.63	0.03	0	0	0	100	0.00	0.0	14.633	0.042	0	0	1	1
PL.30285	PL.30548	C	#4 ACSR	7.11Y	118.5	0.00	6.45	0.98	1	7	2	96	0.00	0.0	13.621	0.023	7	2	1	1
PL.30283	PD.4236	C	6 A (CWC)	7.12Y	118.6	0.00	6.36	0.22	0	2	0	100	0.00	0.0	13.454	0.087	2	0	1	1
PL.30976	PL.30763	A	6 A (CWC)	7.12Y	118.7	0.00	6.32	0.97	1	7	2	96	0.00	0.0	13.000	0.005	0	0	0	1
PD.4209	PL.30976	A	20T	7.12Y	118.7	0.00	6.32	0.97	0	7	2	96	0.00	0.0	13.000	0.005	0	0	0	1
PL.30977	PD.4209	A	6 A (CWC)	7.12Y	118.7	0.00	6.32	0.97	1	7	2	96	0.00	0.0	13.050	0.050	7	2	1	1
PL.30982	PL.30412	C	6 A (CWC)	7.13Y	118.8	0.00	6.21	3.45	2	24	7	96	0.00	0.0	12.184	0.005	0	0	0	5
PD.4212	PL.30982	C	20T	7.13Y	118.8	0.00	6.21	3.45	0	24	7	96	0.00	0.0	12.184	0.005	0	0	0	5
PL.30983	PD.4212	C	6 A (CWC)	7.13Y	118.8	0.03	6.25	3.45	2	24	7	96	0.01	0.0	12.401	0.218	0	0	0	5
PL.30537	PL.30983	C	6 A (CWC)	7.12Y	118.7	0.01	6.26	3.45	2	24	7	96	0.00	0.0	12.489	0.088	0	0	0	5
PL.30770	PL.30537	C	6 A (CWC)	7.12Y	118.7	0.02	6.28	3.45	2	24	7	96	0.00	0.0	12.652	0.163	4	1	1	5
PL.30771	PL.30770	C	6 A (CWC)	7.12Y	118.7	0.01	6.29	2.84	2	19	6	95	0.00	0.0	12.711	0.059	0	0	0	4
PL.30414	PL.30771	C	6 A (CWC)	7.12Y	118.7	0.01	6.30	1.55	1	11	3	96	0.00	0.0	12.846	0.135	0	0	0	3
PL.30768	PL.30414	C	6 A (CWC)	7.12Y	118.7	0.00	6.31	1.55	1	11	3	96	0.00	0.0	12.909	0.063	1	0	1	3
PL.30769	PL.30768	C	6 A (CWC)	7.12Y	118.7	0.00	6.31	1.42	1	10	3	96	0.00	0.0	12.982	0.074	2	1	1	2
PL.30296	PL.30769	C	#4 ACSR	7.12Y	118.7	0.00	6.31	1.07	1	7	2	96	0.00	0.0	13.105	0.123	7	2	1	1
PL.30280	PL.30771	C	#1/0 ACSR	7.12Y	118.7	0.00	6.29	1.28	1	9	3	95	0.00	0.0	12.769	0.058	9	3	1	1

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Balanced Voltage Drop Report
Source: Sand Gap

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.30984	PL.30409	A	6 A (CWC)	7.13Y	118.8	0.00	6.19	0.00	0	0	0	100	0.00	0.0	12.076	0.005	0	0	0	1
PD.4213	PL.30984	A	20T	7.13Y	118.8	0.00	6.19	0.00	0	0	0	100	0.00	0.0	12.076	0.005	0	0	0	1
PL.30985	PD.4213	A	6 A (CWC)	7.13Y	118.8	0.00	6.19	0.00	0	0	0	100	0.00	0.0	12.166	0.090	0	0	1	1
PL.30990	PL.30776	C	6 A (CWC)	7.13Y	118.9	0.00	6.14	0.18	0	1	0	100	0.00	0.0	11.757	0.005	0	0	0	1
PD.4216	PL.30990	C	20T	7.13Y	118.9	0.00	6.14	0.18	0	1	0	100	0.00	0.0	11.757	0.005	0	0	0	1
PL.30991	PD.4216	C	6 A (CWC)	7.13Y	118.9	0.00	6.14	0.18	0	1	0	100	0.00	0.0	11.780	0.023	1	0	1	1
PL.30774	PL.30991	C	6 A (CWC)	7.13Y	118.9	0.00	6.14	0.00	0	0	0	100	0.00	0.0	11.892	0.112	0	0	0	0
PL.30992	PL.30323	A	#4 ACSR	7.13Y	118.9	0.00	6.10	0.76	1	5	2	93	0.00	0.0	11.588	0.005	0	0	0	3
PD.4217	PL.30992	A	20T	7.13Y	118.9	0.00	6.10	0.76	0	5	2	93	0.00	0.0	11.588	0.005	0	0	0	3
PL.30993	PD.4217	A	#4 ACSR	7.13Y	118.9	0.00	6.11	0.76	1	5	2	93	0.00	0.0	11.651	0.063	3	1	1	3
PL.30859	PL.30993	A	#4 ACSR	7.13Y	118.9	0.00	6.11	0.37	0	3	1	95	0.00	0.0	11.759	0.108	2	1	1	2
PL.30860	PL.30859	A	#4 ACSR	7.13Y	118.9	0.00	6.11	0.01	0	0	0	100	0.00	0.0	11.782	0.024	0	0	1	1
PL.30269	PL.30784	C	6 A (CWC)	7.15Y	119.1	0.00	5.86	0.00	0	0	0	100	0.00	0.0	10.515	0.129	0	0	0	0
PL.30998	PL.30533	A	#4 ACSR	7.15Y	119.2	0.00	5.81	0.64	0	4	1	97	0.00	0.0	10.184	0.005	0	0	0	1
PD.4222	PL.30998	A	20T	7.15Y	119.2	0.00	5.81	0.64	0	4	1	97	0.00	0.0	10.184	0.005	0	0	0	1
PL.30999	PD.4222	A	#4 ACSR	7.15Y	119.2	0.00	5.81	0.64	0	4	1	97	0.00	0.0	10.201	0.017	0	0	0	1
PL.30785	PL.30999	A	#4 ACSR	7.15Y	119.2	0.00	5.81	0.64	0	4	1	97	0.00	0.0	10.318	0.117	4	1	1	1
PL.30294	PL.30785	A	#2 ACSR	7.15Y	119.2	0.00	5.81	0.00	0	0	0	100	0.00	0.0	10.371	0.054	0	0	0	0
PL.31000	PL.30828	C	#4 ACSR	7.16Y	119.3	0.00	5.71	0.92	1	6	2	95	0.00	0.0	9.759	0.005	0	0	0	3
PD.4223	PL.31000	C	20T	7.16Y	119.3	0.00	5.71	0.92	0	6	2	95	0.00	0.0	9.759	0.005	0	0	0	3
PL.31001	PD.4223	C	#4 ACSR	7.16Y	119.3	0.00	5.72	0.92	1	6	2	95	0.00	0.0	9.876	0.117	0	0	0	3
PL.30788	PL.31001	C	#4 ACSR	7.16Y	119.3	0.00	5.72	0.92	1	6	2	95	0.00	0.0	9.970	0.095	2	0	1	3
PL.30789	PL.30788	C	#4 ACSR	7.16Y	119.3	0.00	5.72	0.69	1	5	1	98	0.00	0.0	10.014	0.044	4	1	1	2
PL.30787	PL.30789	C	#4 ACSR	7.16Y	119.3	0.00	5.72	0.06	0	0	0	100	0.00	0.0	10.097	0.083	0	0	1	1
PL.30266	PL.30526	C	6 A (CWC)	7.16Y	119.4	0.00	5.59	0.42	0	3	1	95	0.00	0.0	9.267	0.005	0	0	0	3
PD.4234	PL.30266	C	20T	7.16Y	119.4	0.00	5.59	0.42	0	3	1	95	0.00	0.0	9.267	0.005	0	0	0	3
PL.30396	PD.4234	C	6 A (CWC)	7.16Y	119.4	0.00	5.60	0.42	0	3	1	95	0.00	0.0	9.411	0.143	0	0	0	3
PL.30527	PL.30396	C	6 A (CWC)	7.16Y	119.4	0.00	5.60	0.42	0	3	1	95	0.00	0.0	9.540	0.130	0	0	0	3
PL.30528	PL.30527	C	6 A (CWC)	7.16Y	119.4	0.00	5.60	0.42	0	3	1	95	0.00	0.0	9.646	0.105	0	0	0	3
PL.30322	PL.30528	C	6 A (CWC)	7.16Y	119.4	0.00	5.60	0.42	0	3	1	95	0.00	0.0	9.823	0.178	0	0	0	3
PL.30831	PL.30322	C	6 A (CWC)	7.16Y	119.4	0.00	5.60	0.42	0	3	1	95	0.00	0.0	9.900	0.077	3	1	1	3

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Balanced Voltage Drop Report
Source: Sand Gap

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.30832	PL.30831	C	6 A (CWC)	7.16Y	119.4	0.00	5.60	0.00	0	0	0	100	0.00	0.0	9.991	0.091	0	0	0	2
PL.30267	PL.30832	C	6 A (CWC)	7.16Y	119.4	0.00	5.60	0.00	0	0	0	100	0.00	0.0	10.204	0.213	0	0	1	1
PL.30397	PL.30832	C	6 A (CWC)	7.16Y	119.4	0.00	5.60	0.00	0	0	0	100	0.00	0.0	10.106	0.115	0	0	1	1
PL.30265	PD.4234	C	#2 ACSR	7.16Y	119.4	0.00	5.59	0.00	0	0	0	100	0.00	0.0	9.424	0.156	0	0	0	0
PL.31008	PL.30390	C	#4 ACSR	7.19Y	119.8	0.00	5.16	0.65	1	4	1	97	0.00	0.0	7.726	0.005	0	0	0	1
PD.4228	PL.31008	C	20T	7.19Y	119.8	0.00	5.16	0.65	0	4	1	97	0.00	0.0	7.726	0.005	0	0	0	1
PL.31009	PD.4228	C	#4 ACSR	7.19Y	119.8	0.00	5.16	0.65	1	4	1	97	0.00	0.0	7.788	0.062	4	1	1	1
PL.31010	PL.30570	B	#4 ACSR	7.19Y	119.9	0.00	5.12	0.91	1	6	2	95	0.00	0.0	7.594	0.005	0	0	0	1
PD.4229	PL.31010	B	20T	7.19Y	119.9	0.00	5.12	0.91	0	6	2	95	0.00	0.0	7.594	0.005	0	0	0	1
PL.31011	PD.4229	B	#4 ACSR	7.19Y	119.9	0.00	5.12	0.91	1	6	2	95	0.00	0.0	7.618	0.024	6	2	1	1
PL.31022	PL.30494	A	#1/0 ACSR	7.19Y	119.9	0.00	5.09	2.18	1	15	5	95	0.00	0.0	7.510	0.005	0	0	0	2
PD.4237	PL.31022	A	20T	7.19Y	119.9	0.00	5.09	2.18	0	15	5	95	0.00	0.0	7.510	0.005	0	0	0	2
PL.31023	PD.4237	A	#1/0 ACSR	7.19Y	119.9	0.00	5.09	2.18	1	15	5	95	0.00	0.0	7.531	0.021	8	2	1	2
PL.30795	PL.31023	A	#1/0 ACSR	7.19Y	119.9	0.00	5.09	1.03	0	7	2	96	0.00	0.0	7.563	0.033	7	2	1	1
PL.31062	PL.30388	C	6 A (CWC)	7.20Y	120.0	0.00	4.96	1.49	1	10	3	96	0.00	0.0	7.123	0.005	0	0	0	6
PD.4257	PL.31062	C	65T	7.20Y	120.0	0.00	4.96	1.49	0	10	3	96	0.00	0.0	7.123	0.005	0	0	0	6
PL.31063	PD.4257	C	6 A (CWC)	7.20Y	120.0	0.00	4.96	1.49	1	10	3	96	0.00	0.0	7.156	0.033	3	1	1	6
PL.30802	PL.31063	C	6 A (CWC)	7.20Y	120.0	0.01	4.97	1.02	1	7	2	96	0.00	0.0	7.306	0.150	0	0	0	5
PL.31012	PL.30802	C	#1/0 ACSR	7.20Y	120.0	0.00	4.97	0.07	0	0	0	100	0.00	0.0	7.310	0.005	0	0	0	1
PD.4230	PL.31012	C	40T	7.20Y	120.0	0.00	4.97	0.07	0	0	0	100	0.00	0.0	7.310	0.005	0	0	0	1
PL.31013	PD.4230	C	#1/0 ACSR	7.20Y	120.0	0.00	4.97	0.07	0	0	0	100	0.00	0.0	7.458	0.148	0	0	1	1
PL.30389	PL.30802	C	6 A (CWC)	7.20Y	120.0	0.00	4.98	0.95	1	7	2	96	0.00	0.0	7.418	0.113	0	0	0	4
PL.30454	PL.30389	C	6 A (CWC)	7.20Y	120.0	0.01	4.98	0.95	1	7	2	96	0.00	0.0	7.581	0.163	0	0	0	4
PL.30455	PL.30454	C	6 A (CWC)	7.20Y	120.0	0.00	4.99	0.95	1	7	2	96	0.00	0.0	7.643	0.062	0	0	0	4
PL.30274	PL.30455	C	#1/0 ACSR	7.20Y	120.0	0.00	4.99	0.95	0	7	2	96	0.00	0.0	7.781	0.138	0	0	0	4
PL.30456	PL.30274	C	#1/0 ACSR	7.20Y	120.0	0.00	4.99	0.95	0	7	2	96	0.00	0.0	7.922	0.140	0	0	0	4
PL.30800	PL.30456	C	#1/0 ACSR	7.20Y	120.0	0.00	4.99	0.95	0	7	2	96	0.00	0.0	8.092	0.171	6	2	1	4
PL.30801	PL.30800	C	#1/0 ACSR	7.20Y	120.0	0.00	4.99	0.07	0	0	0	100	0.00	0.0	8.190	0.097	0	0	3	3
PL.31060	PL.30799	C	#4 ACSR	7.20Y	120.0	0.00	4.95	1.01	1	7	2	96	0.00	0.0	7.080	0.004	0	0	0	1
PD.4256	PL.31060	C	65T	7.20Y	120.0	0.00	4.95	1.01	0	7	2	96	0.00	0.0	7.080	0.004	0	0	0	1
PL.31061	PD.4256	C	#4 ACSR	7.20Y	120.0	0.00	4.96	1.01	1	7	2	96	0.00	0.0	7.184	0.104	7	2	1	1

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Balanced Voltage Drop Report
Source: Sand Gap

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.31058	PL.30571	A	#4 ACSR	7.20Y	120.1	0.00	4.94	0.00	0	0	0	100	0.00	0.0	6.968	0.005	0	0	0	0
PD.4255	PL.31058	A	65T	7.20Y	120.1	0.00	4.94	0.00	0	0	0	100	0.00	0.0	6.968	0.005	0	0	0	0
PL.31059	PD.4255	A	#4 ACSR	7.20Y	120.1	0.00	4.94	0.00	0	0	0	100	0.00	0.0	6.977	0.009	0	0	0	0
PL.30210	PL.31057	C	#4 ACSR	7.20Y	120.1	0.00	4.92	0.34	0	2	1	89	0.00	0.0	6.893	0.021	2	1	3	3
PL.31054	PL.30806	A	#4 ACSR	7.21Y	120.1	0.00	4.90	1.56	1	11	3	96	0.00	0.0	6.768	0.005	0	0	0	2
PD.4254	PL.31054	A	65T	7.21Y	120.1	0.00	4.90	1.56	0	11	3	96	0.00	0.0	6.768	0.005	0	0	0	2
PL.31055	PD.4254	A	#4 ACSR	7.21Y	120.1	0.00	4.91	1.56	1	11	3	96	0.00	0.0	6.790	0.023	2	1	1	2
PL.30209	PL.31055	A	#4 ACSR	7.21Y	120.1	0.00	4.91	1.23	1	8	3	94	0.00	0.0	6.849	0.058	8	3	1	1
PL.30487	PL.30490	C	#4 ACSR	7.21Y	120.1	0.00	4.86	34.10	26	235	72	96	0.01	0.0	6.551	0.003	0	0	0	58
PD.4267	PL.30487	C	70L	7.21Y	120.1	0.00	4.86	34.10	49	235	72	96	0.00	0.0	6.551	0.003	0	0	0	58
PL.30488	PD.4267	C	#4 ACSR	7.20Y	120.1	0.08	4.95	34.10	26	235	72	96	0.15	0.1	6.606	0.055	16	5	3	58
PL.30578	PL.30488	C	#1/0 ACSR	7.20Y	119.9	0.14	5.08	31.75	14	219	67	96	0.20	0.1	6.788	0.182	0	0	0	55
PL.30248	PL.30578	C	#1/0 ACSR	7.20Y	119.9	0.00	5.08	0.87	0	6	2	95	0.00	0.0	6.821	0.033	6	2	1	1
PL.30579	PL.30578	C	#1/0 ACSR	7.19Y	119.8	0.11	5.19	30.89	13	213	65	96	0.15	0.1	6.946	0.157	14	4	2	54
PL.30273	PL.30579	C	#4 ACSR	7.18Y	119.7	0.14	5.34	28.85	22	198	60	96	0.22	0.1	7.057	0.111	0	0	0	52
PL.30438	PL.30273	C	#4 ACSR	7.17Y	119.5	0.21	5.54	28.85	22	198	60	96	0.32	0.2	7.217	0.160	0	0	0	52
PL.30439	PL.30438	C	#4 ACSR	7.16Y	119.3	0.14	5.68	28.85	22	198	60	96	0.21	0.1	7.323	0.106	0	0	0	52
PL.30420	PL.30439	C	#4 ACSR	7.16Y	119.3	0.03	5.71	28.85	22	198	60	96	0.04	0.0	7.343	0.020	0	0	0	52
PL.30249	PL.30420	C	#2 ACSR	7.16Y	119.3	0.00	5.71	1.99	1	14	4	96	0.00	0.0	7.396	0.053	14	4	2	2
PL.30373	PL.30420	C	#4 ACSR	7.15Y	119.2	0.14	5.85	26.86	21	184	56	96	0.20	0.1	7.460	0.117	4	1	2	50
PL.30250	PL.30373	C	#1/0 ACSR	7.15Y	119.1	0.02	5.86	25.09	11	172	52	96	0.02	0.0	7.493	0.033	5	2	2	45
PL.30252	PL.30250	C	#2 ACSR	7.15Y	119.1	0.00	5.87	2.60	1	18	5	96	0.00	0.0	7.523	0.031	18	5	7	7
PL.30701	PL.30250	C	#1/0 ACSR	7.14Y	119.1	0.06	5.92	20.53	9	140	42	96	0.05	0.0	7.617	0.125	11	3	4	34
PL.30702	PL.30701	C	#1/0 ACSR	7.14Y	119.0	0.04	5.96	18.98	8	130	39	96	0.03	0.0	7.707	0.090	17	5	4	30
PL.30703	PL.30702	C	#1/0 ACSR	7.14Y	119.0	0.07	6.03	16.53	7	113	34	96	0.05	0.0	7.879	0.172	0	0	0	26
PL.30704	PL.30703	C	#4 ACSR	7.14Y	119.0	0.01	6.04	5.09	4	35	10	96	0.00	0.0	7.981	0.103	27	8	5	7
PL.30705	PL.30704	C	#4 ACSR	7.14Y	119.0	0.00	6.04	1.10	1	8	2	97	0.00	0.0	8.063	0.082	8	2	2	2
PL.30706	PL.30703	C	#2 ACSR	7.14Y	119.0	0.00	6.03	5.00	3	34	10	96	0.00	0.0	7.911	0.032	11	3	2	7
PL.30707	PL.30706	C	#2 ACSR	7.14Y	119.0	0.01	6.04	3.40	2	23	7	96	0.00	0.0	7.999	0.088	15	5	3	5
PL.30708	PL.30707	C	#2 ACSR	7.14Y	119.0	0.00	6.04	1.18	1	8	2	97	0.00	0.0	8.026	0.027	8	2	2	2
PL.30374	PL.30703	C	#1/0 ACSR	7.14Y	119.0	0.01	6.04	6.44	3	44	13	96	0.00	0.0	7.934	0.055	0	0	1	12

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Balanced Voltage Drop Report
Source: Sand Gap

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.30709	PL.30374	C	#1/0 ACSR	7.14Y	119.0	0.01	6.05	5.30	2	36	11	96	0.00	0.0	8.012	0.079	0	0	1	9
PL.30710	PL.30709	C	#1/0 ACSR	7.14Y	119.0	0.00	6.05	5.26	2	36	11	96	0.00	0.0	8.039	0.027	7	2	2	8
PL.30256	PL.30710	C	#4 ACSR	7.14Y	118.9	0.00	6.05	0.62	0	4	1	97	0.00	0.0	8.180	0.141	0	0	0	1
PL.30699	PL.30256	C	#4 ACSR	7.14Y	118.9	0.00	6.05	0.62	0	4	1	97	0.00	0.0	8.229	0.049	4	1	1	1
PL.30700	PL.30699	C	#4 ACSR	7.14Y	118.9	0.00	6.05	0.00	0	0	0	100	0.00	0.0	8.318	0.088	0	0	0	0
PL.30711	PL.30710	C	#1/0 ACSR	7.14Y	118.9	0.00	6.05	3.65	2	25	8	95	0.00	0.0	8.095	0.056	0	0	0	5
PL.30712	PL.30711	C	#1/0 ACSR	7.14Y	118.9	0.01	6.06	3.65	2	25	8	95	0.00	0.0	8.178	0.083	0	0	0	5
PL.30713	PL.30712	C	#1/0 ACSR	7.14Y	118.9	0.00	6.06	3.65	2	25	8	95	0.00	0.0	8.252	0.074	25	8	4	5
PL.30375	PL.30713	C	#1/0 ACSR	7.14Y	118.9	0.00	6.06	0.00	0	0	0	100	0.00	0.0	8.417	0.165	0	0	1	1
PL.30254	PL.30713	C	#4 ACSR	7.14Y	118.9	0.00	6.06	0.00	0	0	0	100	0.00	0.0	8.370	0.118	0	0	0	0
PL.30255	PL.30374	C	#4 ACSR	7.14Y	119.0	0.00	6.04	1.13	1	8	2	97	0.00	0.0	7.985	0.051	8	2	2	2
PL.30253	PL.30250	C	#4 ACSR	7.15Y	119.1	0.00	5.87	1.20	1	8	2	97	0.00	0.0	7.540	0.048	8	2	2	2
PL.30251	PL.30373	C	#2 ACSR	7.15Y	119.2	0.00	5.85	1.18	1	8	2	97	0.00	0.0	7.484	0.024	8	2	3	3
PL.30892	PL.30584	C	#4 ACSR	7.25Y	120.8	0.00	4.24	1.12	1	8	2	97	0.00	0.0	5.283	0.005	0	0	0	1
PD.4167	PL.30892	C	65T	7.25Y	120.8	0.00	4.24	1.12	0	8	2	97	0.00	0.0	5.283	0.005	0	0	0	1
PL.30893	PD.4167	C	#4 ACSR	7.25Y	120.8	0.00	4.24	1.12	1	8	2	97	0.00	0.0	5.411	0.128	8	2	1	1
PL.31044	PL.30583	A	#4 ACSR	7.25Y	120.9	0.00	4.15	0.12	0	1	0	100	0.00	0.0	5.133	0.005	0	0	0	1
PD.4249	PL.31044	A	65T	7.25Y	120.9	0.00	4.15	0.12	0	1	0	100	0.00	0.0	5.133	0.005	0	0	0	1
PL.31045	PD.4249	A	#4 ACSR	7.25Y	120.9	0.00	4.15	0.12	0	1	0	100	0.00	0.0	5.183	0.050	1	0	1	1
PL.30904	PL.30692	C	#2 ACSR	7.26Y	121.0	0.00	4.05	11.77	7	82	25	96	0.00	0.0	4.961	0.005	0	0	0	19
PD.4173	PL.30904	C	80T	7.26Y	121.0	0.00	4.05	11.77	0	82	25	96	0.00	0.0	4.961	0.005	0	0	0	19
PL.30905	PD.4173	C	#2 ACSR	7.26Y	120.9	0.01	4.06	11.77	7	82	25	96	0.01	0.0	4.991	0.030	4	1	1	19
PL.30684	PL.30905	C	#2 ACSR	7.26Y	120.9	0.01	4.07	11.19	6	78	23	96	0.01	0.0	5.032	0.041	5	1	1	18
PL.30362	PL.30684	C	#2 ACSR	7.25Y	120.9	0.01	4.09	6.64	4	46	14	96	0.00	0.0	5.097	0.064	0	0	0	12
PL.30364	PL.30362	C	#2 ACSR	7.25Y	120.9	0.01	4.10	5.97	3	41	12	96	0.00	0.0	5.171	0.074	0	0	1	11
PL.30184	PL.30364	C	#2 ACSR	7.25Y	120.9	0.01	4.11	5.92	3	41	12	96	0.00	0.0	5.208	0.037	0	0	0	10
PL.30685	PL.30184	C	#2 ACSR	7.25Y	120.9	0.00	4.11	3.98	2	28	8	96	0.00	0.0	5.247	0.039	3	1	1	7
PL.30686	PL.30685	C	#2 ACSR	7.25Y	120.9	0.00	4.11	3.58	2	25	7	96	0.00	0.0	5.286	0.040	18	5	3	6
PL.30687	PL.30686	C	#2 ACSR	7.25Y	120.9	0.00	4.12	0.97	1	7	2	96	0.00	0.0	5.345	0.058	0	0	1	3
PL.30365	PL.30687	C	#2 ACSR	7.25Y	120.9	0.00	4.12	0.96	1	7	2	96	0.00	0.0	5.372	0.027	7	2	1	1
PL.30908	PL.30687	C	#4 ACSR	7.25Y	120.9	0.00	4.12	0.00	0	0	0	100	0.00	0.0	5.349	0.005	0	0	0	1

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.4175	PL.30908	C	40T	7.25Y	120.9	0.00	4.12	0.00	0	0	0	100	0.00	0.0	5.349	0.005	0	0	0	1
PL.30909	PD.4175	C	#4 ACSR	7.25Y	120.9	0.00	4.12	0.00	0	0	0	100	0.00	0.0	5.498	0.148	0	0	1	1
PL.30193	PL.30184	C	#1/0 ACSR	7.25Y	120.9	0.00	4.11	1.94	1	13	4	96	0.00	0.0	5.310	0.102	10	3	1	3
PL.30195	PL.30193	C	#1/0 ACSR	7.25Y	120.9	0.00	4.11	0.36	0	2	1	89	0.00	0.0	5.353	0.043	2	1	1	1
PL.30194	PL.30193	C	#1/0 ACSR	7.25Y	120.9	0.00	4.11	0.17	0	1	0	100	0.00	0.0	5.401	0.091	1	0	1	1
PL.30186	PL.30362	C	#4 ACSR	7.25Y	120.9	0.00	4.09	0.68	1	5	1	98	0.00	0.0	5.173	0.076	5	1	1	1
PL.30185	PL.30684	C	#4 ACSR	7.25Y	120.9	0.02	4.09	3.83	3	27	8	96	0.00	0.0	5.125	0.093	0	0	0	5
PL.30188	PL.30185	C	#4 ACSR	7.25Y	120.9	0.01	4.09	2.94	2	20	6	96	0.00	0.0	5.174	0.048	0	0	0	4
PL.30189	PL.30188	C	#4 ACSR	7.25Y	120.9	0.00	4.10	2.94	2	20	6	96	0.00	0.0	5.201	0.028	11	3	3	4
PL.30197	PL.30189	C	#2 ACSR	7.25Y	120.9	0.00	4.10	0.00	0	0	0	100	0.00	0.0	5.276	0.074	0	0	0	0
PL.30190	PL.30189	C	#4 ACSR	7.25Y	120.9	0.00	4.10	1.40	1	10	3	96	0.00	0.0	5.237	0.036	10	3	1	1
PL.30311	PL.30185	C	#4 ACSR	7.25Y	120.9	0.00	4.09	0.89	1	6	2	95	0.00	0.0	5.157	0.031	6	2	1	1
PL.30906	PL.30690	C	6 A (CWC)	7.27Y	121.1	0.00	3.85	5.00	4	35	10	96	0.00	0.0	4.658	0.005	0	0	0	7
PD.4174	PL.30906	C	65T	7.27Y	121.1	0.00	3.85	5.00	0	35	10	96	0.00	0.0	4.658	0.005	0	0	0	7
PL.30907	PD.4174	C	6 A (CWC)	7.27Y	121.1	0.03	3.88	5.00	4	35	10	96	0.01	0.0	4.780	0.122	0	0	0	7
PL.30160	PL.30907	C	#2 ACSR	7.27Y	121.1	0.00	3.88	0.00	0	0	0	100	0.00	0.0	4.876	0.096	0	0	0	0
PL.30582	PL.30907	C	6 A (CWC)	7.27Y	121.1	0.00	3.88	3.10	2	22	7	95	0.00	0.0	4.800	0.020	10	3	1	4
PL.30161	PL.30582	C	6 A (CWC)	7.27Y	121.1	0.01	3.89	1.70	1	12	4	95	0.00	0.0	4.914	0.114	3	1	2	3
PL.30196	PL.30161	C	#1/0 ACSR	7.27Y	121.1	0.00	3.89	1.24	1	9	3	95	0.00	0.0	4.947	0.033	9	3	1	1
PL.30162	PL.30907	C	#2 ACSR	7.27Y	121.1	0.00	3.88	1.90	1	13	4	96	0.00	0.0	4.835	0.055	13	4	3	3
PL.30928	PL.30586	C	#2 ACSR	7.28Y	121.4	0.00	3.64	0.00	0	0	0	100	0.00	0.0	4.337	0.004	0	0	0	0
PD.4185	PL.30928	C	65T	7.28Y	121.4	0.00	3.64	0.00	0	0	0	100	0.00	0.0	4.337	0.004	0	0	0	0
PL.30929	PD.4185	C	#2 ACSR	7.28Y	121.4	0.00	3.64	0.00	0	0	0	100	0.00	0.0	4.381	0.044	0	0	0	0
PL.30932	PL.30721	A	6 A (CWC)	7.29Y	121.4	0.00	3.56	2.68	2	19	6	95	0.00	0.0	4.213	0.004	0	0	0	4
PD.4187	PL.30932	A	65T	7.29Y	121.4	0.00	3.56	2.68	0	19	6	95	0.00	0.0	4.213	0.004	0	0	0	4
PL.30933	PD.4187	A	6 A (CWC)	7.29Y	121.4	0.01	3.57	2.68	2	19	6	95	0.00	0.0	4.320	0.106	0	0	0	4
PL.30585	PL.30933	A	6 A (CWC)	7.29Y	121.4	0.00	3.57	1.98	1	14	4	96	0.00	0.0	4.345	0.026	5	1	1	3
PL.30171	PL.30585	A	#1/0 ACSR	7.29Y	121.4	0.00	3.57	0.00	0	0	0	100	0.00	0.0	4.381	0.036	0	0	1	1
PL.30159	PL.30585	A	#4 ACSR	7.29Y	121.4	0.00	3.57	1.26	1	9	3	95	0.00	0.0	4.396	0.050	9	3	1	1
PL.30158	PL.30933	A	#2 ACSR	7.29Y	121.4	0.00	3.57	0.70	0	5	1	98	0.00	0.0	4.424	0.104	5	1	1	1
CP.45	PL.30497	ABC	Cap (300)	7.29Y	121.5	0.00	3.46	0.00	0	0	0	100	0.00	0.0	4.066	0.104	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: Sand Gap

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.30934	PL.30496	A	#1/0 ACSR	7.29Y	121.6	0.00	3.43	1.55	1	11	3	96	0.00	0.0	4.028	0.005	0	0	0	1
PD.4188	PL.30934	A	65T	7.29Y	121.6	0.00	3.43	1.55	0	11	3	96	0.00	0.0	4.028	0.005	0	0	0	1
PL.30935	PD.4188	A	#1/0 ACSR	7.29Y	121.6	0.00	3.43	1.55	1	11	3	96	0.00	0.0	4.164	0.136	11	3	1	1
PL.30172	PL.30359	ABC	336 MCM AC	7.32Y	122.0	0.00	2.98	0.54	0	11	3	96	0.00	0.0	3.444	0.056	0	0	0	3
PL.31038	PL.30172	A	#4 ACSR	7.32Y	122.0	0.00	2.98	0.46	0	3	1	95	0.00	0.0	3.449	0.005	0	0	0	1
PD.4246	PL.31038	A	65T	7.32Y	122.0	0.00	2.98	0.46	0	3	1	95	0.00	0.0	3.449	0.005	0	0	0	1
PL.31039	PD.4246	A	#4 ACSR	7.32Y	122.0	0.00	2.98	0.46	0	3	1	95	0.00	0.0	3.480	0.032	3	1	1	1
PL.31068	PL.30172	ABC	336 MCM AC	7.32Y	122.0	0.00	2.98	0.00	0	0	0	100	0.00	0.0	3.523	0.080	0	0	0	0
PD.4261-B	PL.31068	ABC	Open	7.32Y	122.0	0.00	2.98	0.00	0	0	0	100	0.00	0.0	3.523	0.080	0	0	0	0
PL.30936	PL.30172	A	#4 ACSR	7.32Y	122.0	0.00	2.98	1.16	1	8	2	97	0.00	0.0	3.449	0.005	0	0	0	2
PD.4189	PL.30936	A	65T	7.32Y	122.0	0.00	2.98	1.16	0	8	2	97	0.00	0.0	3.449	0.005	0	0	0	2
PL.30937	PD.4189	A	#4 ACSR	7.32Y	122.0	0.00	2.99	1.16	1	8	2	97	0.00	0.0	3.513	0.065	8	2	2	2
PL.30956	PL.30360	C	#2 ACSR	7.33Y	122.2	0.00	2.83	2.31	1	16	5	95	0.00	0.0	3.181	0.005	0	0	0	4
PD.4198	PL.30956	C	65T	7.33Y	122.2	0.00	2.83	2.31	0	16	5	95	0.00	0.0	3.181	0.005	0	0	0	4
PL.30957	PD.4198	C	#2 ACSR	7.33Y	122.2	0.00	2.83	2.31	1	16	5	95	0.00	0.0	3.207	0.026	16	5	4	4
PL.30940	PL.30723	A	#2 ACSR	7.33Y	122.2	0.00	2.79	7.91	5	56	17	96	0.00	0.0	3.126	0.005	0	0	0	17
PD.4191	PL.30940	A	65T	7.33Y	122.2	0.00	2.79	7.91	0	56	17	96	0.00	0.0	3.126	0.005	0	0	0	17
PL.30941	PD.4191	A	#2 ACSR	7.33Y	122.2	0.00	2.79	7.91	5	56	17	96	0.00	0.0	3.139	0.013	0	0	0	17
PL.30156	PL.30941	A	#4 ACSR	7.33Y	122.2	0.00	2.80	4.27	3	30	9	96	0.00	0.0	3.170	0.031	15	5	2	6
PL.30358	PL.30156	A	#4 ACSR	7.33Y	122.2	0.00	2.80	1.06	1	7	2	96	0.00	0.0	3.272	0.102	0	0	0	2
PL.30170	PL.30358	A	#4 ACSR	7.33Y	122.2	0.00	2.80	1.06	1	7	2	96	0.00	0.0	3.284	0.012	7	2	2	2
PL.30157	PL.30156	A	#4 ACSR	7.33Y	122.2	0.00	2.80	1.06	1	7	2	96	0.00	0.0	3.205	0.034	7	2	2	2
PL.30737	PL.30941	A	#2 ACSR	7.33Y	122.2	0.00	2.80	3.63	2	26	8	96	0.00	0.0	3.157	0.018	8	2	4	11
PL.30738	PL.30737	A	#2 ACSR	7.33Y	122.2	0.00	2.80	2.45	1	17	5	96	0.00	0.0	3.202	0.044	17	5	7	7
PL.30938	PL.30356	A	#2 ACSR	7.34Y	122.3	0.00	2.68	0.28	0	2	1	89	0.00	0.0	2.975	0.005	0	0	0	2
PD.4190	PL.30938	A	65T	7.34Y	122.3	0.00	2.68	0.28	0	2	1	89	0.00	0.0	2.975	0.005	0	0	0	2
PL.30939	PD.4190	A	#2 ACSR	7.34Y	122.3	0.00	2.68	0.28	0	2	1	89	0.00	0.0	3.003	0.028	2	1	2	2
PL.30952	PL.30355	A	#2 ACSR	7.34Y	122.4	0.00	2.59	3.02	2	21	6	96	0.00	0.0	2.863	0.005	0	0	0	4
PD.4196	PL.30952	A	65T	7.34Y	122.4	0.00	2.59	3.02	0	21	6	96	0.00	0.0	2.863	0.005	0	0	0	4
PL.30953	PD.4196	A	#2 ACSR	7.34Y	122.4	0.00	2.59	3.02	2	21	6	96	0.00	0.0	2.875	0.012	0	0	0	4
PL.30357	PL.30953	A	#2 ACSR	7.34Y	122.4	0.00	2.59	0.77	0	5	2	93	0.00	0.0	2.889	0.014	5	2	1	1

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Balanced Voltage Drop Report
Source: Sand Gap

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.30155	PL.30953	A	#4 ACSR	7.34Y	122.4	0.00	2.60	2.25	2	16	5	95	0.00	0.0	2.909	0.034	16	5	3	3
PL.30942	PL.30354	C	#2 ACSR	7.35Y	122.5	0.00	2.54	0.00	0	0	0	100	0.00	0.0	2.793	0.005	0	0	0	1
PD.4192	PL.30942	C	65T	7.35Y	122.5	0.00	2.54	0.00	0	0	0	100	0.00	0.0	2.793	0.005	0	0	0	1
PL.30943	PD.4192	C	#2 ACSR	7.35Y	122.5	0.00	2.54	0.00	0	0	0	100	0.00	0.0	2.824	0.031	0	0	1	1
PL.31036	PL.30354	A	#2 ACSR	7.35Y	122.5	0.00	2.54	3.10	2	22	7	95	0.00	0.0	2.793	0.005	0	0	0	2
PD.4245	PL.31036	A	65T	7.35Y	122.5	0.00	2.54	3.10	0	22	7	95	0.00	0.0	2.793	0.005	0	0	0	2
PL.31037	PD.4245	A	#2 ACSR	7.35Y	122.5	0.00	2.54	3.10	2	22	7	95	0.00	0.0	2.839	0.046	8	3	1	2
PL.30724	PL.31037	A	#2 ACSR	7.35Y	122.5	0.00	2.54	1.91	1	13	4	96	0.00	0.0	2.873	0.034	13	4	1	1
PL.30169	PL.30724	A	#1/0 ACSR	7.35Y	122.5	0.00	2.54	0.00	0	0	0	100	0.00	0.0	2.920	0.047	0	0	0	0
PL.31034	PL.30351	A	#1/0 ACSR	7.35Y	122.5	0.00	2.46	0.75	0	5	2	93	0.00	0.0	2.690	0.005	0	0	0	2
PD.4244	PL.31034	A	65T	7.35Y	122.5	0.00	2.46	0.75	0	5	2	93	0.00	0.0	2.690	0.005	0	0	0	2
PL.31035	PD.4244	A	#1/0 ACSR	7.35Y	122.5	0.00	2.46	0.75	0	5	2	93	0.00	0.0	2.707	0.017	5	2	2	2
PL.30944	PL.30351	C	#1/0 ACSR	7.35Y	122.5	0.00	2.46	1.49	1	11	3	96	0.00	0.0	2.690	0.005	0	0	0	1
PD.4193	PL.30944	C	65T	7.35Y	122.5	0.00	2.46	1.49	0	11	3	96	0.00	0.0	2.690	0.005	0	0	0	1
PL.30945	PD.4193	C	#1/0 ACSR	7.35Y	122.5	0.00	2.46	1.49	1	11	3	96	0.00	0.0	2.727	0.036	11	3	1	1
PL.31032	PL.30949	C	#1/0 ACSR	7.36Y	122.6	0.00	2.39	1.73	1	12	4	95	0.00	0.0	2.601	0.005	0	0	0	2
PD.4242	PL.31032	C	65T	7.36Y	122.6	0.00	2.39	1.73	0	12	4	95	0.00	0.0	2.601	0.005	0	0	0	2
PL.31033	PD.4242	C	#1/0 ACSR	7.36Y	122.6	0.00	2.39	1.73	1	12	4	95	0.00	0.0	2.651	0.050	12	4	2	2
PL.30946	PL.30949	A	#4 ACSR	7.36Y	122.6	0.00	2.39	1.15	1	8	2	97	0.00	0.0	2.601	0.005	0	0	0	3
PD.4194	PL.30946	A	65T	7.36Y	122.6	0.00	2.39	1.15	0	8	2	97	0.00	0.0	2.601	0.005	0	0	0	3
PL.30947	PD.4194	A	#4 ACSR	7.36Y	122.6	0.00	2.39	1.15	1	8	2	97	0.00	0.0	2.640	0.039	8	2	3	3
PL.31066	PL.30349	ABC	#2 ACSR	7.36Y	122.7	0.00	2.27	2.25	1	46	19	92	0.00	0.0	2.454	0.005	0	0	0	2
PD.4260	PL.31066	ABC	65T	7.36Y	122.7	0.00	2.27	2.25	0	46	19	92	0.00	0.0	2.454	0.005	0	0	0	2
PL.31067	PD.4260	ABC	#2 ACSR	7.36Y	122.7	0.00	2.27	2.25	1	46	19	92	0.00	0.0	2.466	0.012	0	0	0	2
PL.30350	PL.31067	ABC	#2 ACSR	7.36Y	122.7	0.00	2.27	1.39	1	28	13	91	0.00	0.0	2.482	0.016	28	13	1	1
PL.30922	PL.31067	A	#2 ACSR	7.36Y	122.7	0.00	2.27	2.57	1	18	5	96	0.00	0.0	2.471	0.005	0	0	0	1
PD.4182	PL.30922	A	65T	7.36Y	122.7	0.00	2.27	2.57	0	18	5	96	0.00	0.0	2.471	0.005	0	0	0	1
PL.30923	PD.4182	A	#2 ACSR	7.36Y	122.7	0.00	2.27	2.57	1	18	5	96	0.00	0.0	2.526	0.055	18	5	1	1
PL.30920	PL.30348	C	#4 ACSR	7.37Y	122.8	0.00	2.19	1.02	1	7	2	96	0.00	0.0	2.362	0.005	0	0	0	4
PD.4181	PL.30920	C	65T	7.37Y	122.8	0.00	2.19	1.02	0	7	2	96	0.00	0.0	2.362	0.005	0	0	0	4
PL.30921	PD.4181	C	#4 ACSR	7.37Y	122.8	0.00	2.19	1.02	1	7	2	96	0.00	0.0	2.392	0.030	7	2	1	4

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Balanced Voltage Drop Report
Source: Sand Gap

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.30466	PL.30921	C	#4 ACSR	7.37Y	122.8	0.00	2.19	0.05	0	0	0	100	0.00	0.0	2.445	0.053	0	0	1	3
PL.30918	PL.30466	C	#1/0 ACSR	7.37Y	122.8	0.00	2.19	0.02	0	0	0	100	0.00	0.0	2.449	0.005	0	0	0	2
PD.4180	PL.30918	C	65T	7.37Y	122.8	0.00	2.19	0.02	0	0	0	100	0.00	0.0	2.449	0.005	0	0	0	2
PL.30919	PD.4180	C	#1/0 ACSR	7.37Y	122.8	0.00	2.19	0.02	0	0	0	100	0.00	0.0	2.631	0.182	0	0	1	2
PL.30698	PL.30919	C	#1/0 ACSR	7.37Y	122.8	0.00	2.19	0.01	0	0	0	100	0.00	0.0	2.811	0.180	0	0	1	1
PL.30912	PL.30346	A	#1/0 ACSR	7.39Y	123.2	0.00	1.84	0.00	0	0	0	100	0.00	0.0	1.947	0.005	0	0	0	0
PD.4177	PL.30912	A	65T	7.39Y	123.2	0.00	1.84	0.00	0	0	0	100	0.00	0.0	1.947	0.005	0	0	0	0
PL.30913	PD.4177	A	#1/0 ACSR	7.39Y	123.2	0.00	1.84	0.00	0	0	0	100	0.00	0.0	1.963	0.016	0	0	0	0
PL.30900	PL.30345	A	6 A (CWC)	7.40Y	123.4	0.00	1.65	10.99	8	78	23	96	0.00	0.0	1.715	0.005	0	0	0	18
PD.4171	PL.30900	A	65T	7.40Y	123.4	0.00	1.65	10.99	0	78	23	96	0.00	0.0	1.715	0.005	0	0	0	18
PL.30901	PD.4171	A	6 A (CWC)	7.40Y	123.3	0.09	1.74	10.99	8	78	23	96	0.05	0.1	1.896	0.181	0	0	0	18
PL.30681	PL.30901	A	6 A (CWC)	7.39Y	123.2	0.03	1.77	4.86	3	34	10	96	0.01	0.0	2.025	0.129	5	2	2	13
PL.30682	PL.30681	A	6 A (CWC)	7.39Y	123.2	0.02	1.79	4.09	3	29	9	96	0.00	0.0	2.161	0.136	9	3	5	11
PL.30125	PL.30682	A	6 A (CWC)	7.39Y	123.2	0.01	1.80	2.86	2	20	6	96	0.00	0.0	2.228	0.067	0	0	0	6
PL.30165	PL.30125	A	6 A (CWC)	7.39Y	123.2	0.00	1.80	2.86	2	20	6	96	0.00	0.0	2.274	0.046	12	4	4	6
PL.30164	PL.30165	A	6 A (CWC)	7.39Y	123.2	0.00	1.80	1.22	1	9	3	95	0.00	0.0	2.329	0.055	0	0	0	2
PL.30166	PL.30164	A	#4 ACSR	7.39Y	123.2	0.00	1.80	1.22	1	9	3	95	0.00	0.0	2.356	0.028	9	3	2	2
PL.30122	PL.30901	A	#4 ACSR	7.39Y	123.2	0.01	1.75	6.13	5	43	13	96	0.00	0.0	1.949	0.054	0	0	0	5
PL.30124	PL.30122	A	#4 ACSR	7.39Y	123.2	0.00	1.76	1.87	1	13	4	96	0.00	0.0	1.990	0.040	0	0	0	2
PL.30163	PL.30124	A	#4 ACSR	7.39Y	123.2	0.00	1.76	1.87	1	13	4	96	0.00	0.0	2.027	0.038	6	2	1	2
PL.30308	PL.30163	A	#4 ACSR	7.39Y	123.2	0.00	1.76	1.03	1	7	2	96	0.00	0.0	2.079	0.052	7	2	1	1
PL.30123	PL.30122	A	#1/0 ACSR	7.39Y	123.2	0.00	1.75	1.03	0	7	2	96	0.00	0.0	2.012	0.063	7	2	1	1
PL.30353	PL.30122	A	#4 ACSR	7.39Y	123.2	0.00	1.76	3.23	2	23	7	96	0.00	0.0	2.003	0.054	23	7	2	2
PL.30896	PL.30591	A	#1/0 ACSR	7.41Y	123.6	0.00	1.43	0.67	0	5	1	98	0.00	0.0	1.476	0.004	0	0	0	1
PD.4169	PL.30896	A	65T	7.41Y	123.6	0.00	1.43	0.67	0	5	1	98	0.00	0.0	1.476	0.004	0	0	0	1
PL.30897	PD.4169	A	#1/0 ACSR	7.41Y	123.6	0.00	1.43	0.67	0	5	1	98	0.00	0.0	1.636	0.160	5	1	1	1
PL.31028	PL.30591	A	#4 ACSR	7.41Y	123.6	0.00	1.44	17.04	13	121	36	96	0.00	0.0	1.476	0.005	0	0	0	30
PD.4240	PL.31028	A	65T	7.41Y	123.6	0.00	1.44	17.04	0	121	36	96	0.00	0.0	1.476	0.005	0	0	0	30
PL.31029	PD.4240	A	#4 ACSR	7.41Y	123.5	0.02	1.45	17.04	13	121	36	96	0.01	0.0	1.497	0.021	6	2	5	30
PL.30115	PL.31029	A	#4 ACSR	7.41Y	123.5	0.00	1.45	0.95	1	7	2	96	0.00	0.0	1.542	0.045	7	2	1	1
PL.30116	PL.31029	A	#4 ACSR	7.41Y	123.5	0.00	1.45	0.73	1	5	2	93	0.00	0.0	1.541	0.044	5	2	5	5

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Balanced Voltage Drop Report
Source: Sand Gap

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.30673	PL.31029	A	#4 ACSR	7.41Y	123.5	0.03	1.48	14.52	11	103	31	96	0.02	0.0	1.542	0.046	0	0	0	19
PL.30674	PL.30673	A	#4 ACSR	7.41Y	123.5	0.03	1.51	14.52	11	103	31	96	0.02	0.0	1.582	0.040	0	0	0	19
PL.30338	PL.30674	A	#4 ACSR	7.41Y	123.5	0.00	1.51	1.09	1	8	2	97	0.00	0.0	1.676	0.093	8	2	1	1
PL.30113	PL.30674	A	#4 ACSR	7.41Y	123.5	0.03	1.54	13.43	10	95	29	96	0.02	0.0	1.634	0.052	0	0	0	18
PL.30114	PL.30113	A	#4 ACSR	7.41Y	123.5	0.00	1.54	0.74	1	5	2	93	0.00	0.0	1.678	0.044	5	2	2	2
PL.30339	PL.30113	A	#4 ACSR	7.41Y	123.4	0.04	1.57	12.69	10	90	27	96	0.02	0.0	1.698	0.064	5	1	1	16
PL.30154	PL.30339	A	#1/0 ACSR	7.41Y	123.4	0.01	1.58	3.60	2	26	8	96	0.00	0.0	1.789	0.090	0	0	0	5
PL.30671	PL.30154	A	#2 ACSR	7.41Y	123.4	0.00	1.58	0.68	0	5	1	98	0.00	0.0	1.815	0.026	0	0	1	2
PL.30672	PL.30671	A	#2 ACSR	7.41Y	123.4	0.00	1.58	0.68	0	5	1	98	0.00	0.0	1.854	0.039	5	1	1	1
PL.30152	PL.30154	A	#1/0 ACSR	7.41Y	123.4	0.00	1.58	1.26	1	9	3	95	0.00	0.0	1.857	0.068	0	0	0	2
PL.30118	PL.30152	A	#2 ACSR	7.41Y	123.4	0.00	1.58	0.54	0	4	1	97	0.00	0.0	1.878	0.021	4	1	1	1
PL.30340	PL.30152	A	#1/0 ACSR	7.41Y	123.4	0.00	1.58	0.72	0	5	2	93	0.00	0.0	1.911	0.054	5	2	1	1
PL.30153	PL.30154	A	#2 ACSR	7.41Y	123.4	0.00	1.58	1.66	1	12	4	95	0.00	0.0	1.831	0.042	12	4	1	1
PL.30589	PL.30339	A	#4 ACSR	7.40Y	123.4	0.02	1.59	8.43	6	60	18	96	0.01	0.0	1.760	0.061	6	2	1	10
PL.30119	PL.30589	A	#4 ACSR	7.40Y	123.4	0.00	1.60	1.01	1	7	2	96	0.00	0.0	1.791	0.032	7	2	1	1
PL.30590	PL.30589	A	#4 ACSR	7.40Y	123.4	0.01	1.60	6.57	5	47	14	96	0.00	0.0	1.785	0.025	0	0	0	8
PL.30677	PL.30590	A	#4 ACSR	7.40Y	123.4	0.02	1.62	3.16	2	22	7	95	0.00	0.0	1.949	0.164	4	1	1	4
PL.30678	PL.30677	A	#4 ACSR	7.40Y	123.4	0.01	1.64	2.65	2	19	6	95	0.00	0.0	2.073	0.124	0	0	0	3
PL.30675	PL.30678	A	#4 ACSR	7.40Y	123.4	0.01	1.65	2.65	2	19	6	95	0.00	0.0	2.169	0.096	11	3	2	3
PL.30676	PL.30675	A	#4 ACSR	7.40Y	123.4	0.00	1.65	1.02	1	7	2	96	0.00	0.0	2.229	0.060	7	2	1	1
PL.30341	PL.30590	A	#4 ACSR	7.40Y	123.4	0.00	1.60	3.40	3	24	7	96	0.00	0.0	1.806	0.021	11	3	2	4
PL.30117	PL.30341	A	#4 ACSR	7.40Y	123.4	0.00	1.61	1.13	1	8	2	97	0.00	0.0	1.840	0.034	8	2	1	1
PL.30679	PL.30341	A	#4 ACSR	7.40Y	123.4	0.00	1.61	0.78	1	6	2	95	0.00	0.0	1.860	0.054	6	2	1	1
PL.30680	PL.30679	A	#4 ACSR	7.40Y	123.4	0.00	1.61	0.00	0	0	0	100	0.00	0.0	1.903	0.043	0	0	0	0
PL.30894	PL.30336	A	6 A (CWC)	7.42Y	123.6	0.00	1.36	5.59	4	40	12	96	0.00	0.0	1.400	0.005	0	0	0	6
PD.4168	PL.30894	A	65T	7.42Y	123.6	0.00	1.36	5.59	0	40	12	96	0.00	0.0	1.400	0.005	0	0	0	6
PL.30895	PD.4168	A	6 A (CWC)	7.42Y	123.6	0.02	1.38	5.59	4	40	12	96	0.01	0.0	1.487	0.086	6	2	1	6
PL.30149	PL.30895	A	#2 ACSR	7.42Y	123.6	0.00	1.38	1.52	1	11	3	96	0.00	0.0	1.579	0.092	11	3	1	1
PL.30337	PL.30895	A	6 A (CWC)	7.42Y	123.6	0.02	1.40	3.21	2	23	7	96	0.00	0.0	1.642	0.155	0	0	0	4
PL.30427	PL.30337	A	6 A (CWC)	7.41Y	123.6	0.02	1.43	3.21	2	23	7	96	0.00	0.0	1.807	0.165	0	0	0	4
PL.30428	PL.30427	A	6 A (CWC)	7.41Y	123.6	0.02	1.45	3.21	2	23	7	96	0.00	0.0	1.929	0.122	0	0	0	4

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

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.30429	PL.30428	A	6 A (CWC)	7.41Y	123.5	0.02	1.47	3.21	2	23	7	96	0.00	0.0	2.054	0.125	0	0	0	4
PL.30151	PL.30429	A	#4 ACSR	7.41Y	123.5	0.01	1.47	3.21	2	23	7	96	0.00	0.0	2.102	0.048	5	1	1	4
PL.30630	PL.30151	A	#4 ACSR	7.41Y	123.5	0.00	1.48	2.53	2	18	5	96	0.00	0.0	2.144	0.043	8	2	1	3
PL.30631	PL.30630	A	#4 ACSR	7.41Y	123.5	0.01	1.48	1.40	1	10	3	96	0.00	0.0	2.246	0.102	0	0	0	2
PL.30150	PL.30631	A	#4 ACSR	7.41Y	123.5	0.00	1.48	1.40	1	10	3	96	0.00	0.0	2.293	0.046	0	0	0	2
PL.30307	PL.30150	A	#4 ACSR	7.41Y	123.5	0.00	1.49	1.40	1	10	3	96	0.00	0.0	2.334	0.041	10	3	2	2
PL.30132	PL.30740	ABC	#1/0 ACSR	7.43Y	123.8	0.01	1.22	12.43	5	265	80	96	0.01	0.0	1.274	0.036	0	0	0	68
PL.30597	PL.30132	ABC	#1/0 ACSR	7.43Y	123.8	0.00	1.22	10.96	5	234	71	96	0.00	0.0	1.279	0.004	0	0	0	63
PL.30598	PL.30597	ABC	#1/0 ACSR	7.43Y	123.8	0.01	1.22	10.96	5	234	71	96	0.01	0.0	1.311	0.032	0	0	0	63
PL.30743	PL.30598	ABC	#1/0 ACSR	7.43Y	123.8	0.01	1.24	10.33	4	220	67	96	0.02	0.0	1.376	0.065	2	1	1	60
PL.30744	PL.30743	ABC	#1/0 ACSR	7.42Y	123.7	0.02	1.26	10.25	4	219	66	96	0.03	0.0	1.493	0.117	9	3	2	59
PL.30491	PL.30744	ABC	#1/0 ACSR	7.42Y	123.7	0.02	1.28	9.84	4	210	64	96	0.03	0.0	1.603	0.110	0	0	0	57
PD.4268	PL.30491	ABC	35L	7.42Y	123.7	0.00	1.28	9.84	28	210	64	96	0.00	0.0	1.603	0.110	0	0	0	57
PL.30492	PD.4268	ABC	#1/0 ACSR	7.42Y	123.7	0.02	1.30	9.84	4	210	64	96	0.03	0.0	1.718	0.115	0	0	0	57
PL.30750	PL.30492	ABC	#1/0 ACSR	7.42Y	123.7	0.02	1.32	9.84	4	210	64	96	0.03	0.0	1.849	0.132	0	0	1	57
PL.30751	PL.30750	ABC	#1/0 ACSR	7.42Y	123.7	0.01	1.34	9.84	4	210	64	96	0.02	0.0	1.934	0.084	8	2	3	56
PL.30966	PL.30751	A	6 A (CWC)	7.42Y	123.7	0.00	1.34	0.00	0	0	0	100	0.00	0.0	1.938	0.005	0	0	0	1
PD.4204	PL.30966	A	15T	7.42Y	123.7	0.00	1.34	0.00	0	0	0	100	0.00	0.0	1.938	0.005	0	0	0	1
PL.30967	PD.4204	A	6 A (CWC)	7.42Y	123.7	0.00	1.34	0.00	0	0	0	100	0.00	0.0	2.055	0.117	0	0	0	1
PL.30752	PL.30967	A	6 A (CWC)	7.42Y	123.7	0.00	1.34	0.00	0	0	0	100	0.00	0.0	2.150	0.094	0	0	1	1
PL.30753	PL.30752	A	6 A (CWC)	7.42Y	123.7	0.00	1.34	0.00	0	0	0	100	0.00	0.0	2.234	0.084	0	0	0	0
PL.30326	PL.30751	ABC	#1/0 ACSR	7.42Y	123.6	0.02	1.35	9.47	4	202	61	96	0.02	0.0	2.024	0.090	0	0	0	52
PL.31026	PL.30326	A	#2 ACSR	7.42Y	123.6	0.00	1.35	4.07	2	29	9	96	0.00	0.0	2.029	0.005	0	0	0	5
PD.4239	PL.31026	A	15T	7.42Y	123.6	0.00	1.35	4.07	0	29	9	96	0.00	0.0	2.029	0.005	0	0	0	5
PL.31027	PD.4239	A	#2 ACSR	7.42Y	123.6	0.01	1.36	4.07	2	29	9	96	0.00	0.0	2.084	0.055	0	0	0	5
PL.30134	PL.31027	A	#2 ACSR	7.42Y	123.6	0.02	1.38	4.07	2	29	9	96	0.00	0.0	2.202	0.118	0	0	0	5
PL.30135	PL.30134	A	#1/0 ACSR	7.42Y	123.6	0.00	1.38	1.35	1	10	3	96	0.00	0.0	2.324	0.122	0	0	0	2
PL.30327	PL.30135	A	#1/0 ACSR	7.42Y	123.6	0.00	1.38	0.01	0	0	0	100	0.00	0.0	2.393	0.069	0	0	1	1
PL.30136	PL.30135	A	#1/0 ACSR	7.42Y	123.6	0.00	1.38	1.34	1	10	3	96	0.00	0.0	2.352	0.028	10	3	1	1
PL.30745	PL.30134	A	#2 ACSR	7.42Y	123.6	0.00	1.38	2.73	2	19	6	95	0.00	0.0	2.228	0.027	5	1	1	3
PL.30746	PL.30745	A	#2 ACSR	7.42Y	123.6	0.00	1.38	2.09	1	15	4	97	0.00	0.0	2.284	0.056	15	4	2	2

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.30964	PL.30326	A	#1/0 ACSR	7.42Y	123.6	0.00	1.35	0.00	0	0	0	100	0.00	0.0	2.029	0.005	0	0	0	0
PD.4203	PL.30964	A	15T	7.42Y	123.6	0.00	1.35	0.00	0	0	0	100	0.00	0.0	2.029	0.005	0	0	0	0
PL.30965	PD.4203	A	#1/0 ACSR	7.42Y	123.6	0.00	1.35	0.00	0	0	0	100	0.00	0.0	2.063	0.035	0	0	0	0
PL.30142	PL.30326	ABC	#1/0 ACSR	7.42Y	123.6	0.01	1.36	8.11	4	173	52	96	0.01	0.0	2.076	0.052	1	0	1	47
PL.30748	PL.30142	ABC	#1/0 ACSR	7.42Y	123.6	0.01	1.37	8.07	4	172	52	96	0.01	0.0	2.124	0.048	6	2	1	46
PL.30749	PL.30748	ABC	#1/0 ACSR	7.42Y	123.6	0.01	1.37	7.81	3	166	50	96	0.01	0.0	2.168	0.044	0	0	1	45
PL.30747	PL.30749	ABC	#1/0 ACSR	7.42Y	123.6	0.01	1.38	7.81	3	166	50	96	0.01	0.0	2.224	0.057	0	0	0	44
PL.30328	PL.30747	ABC	#1/0 ACSR	7.42Y	123.6	0.02	1.40	7.69	3	164	50	96	0.02	0.0	2.346	0.122	0	0	0	43
PL.30137	PL.30328	B	#2 ACSR	7.41Y	123.6	0.02	1.42	23.06	13	164	50	96	0.03	0.0	2.380	0.034	0	0	0	43
PL.30754	PL.30137	B	6 A (CWC)	7.41Y	123.6	0.02	1.44	23.06	16	164	50	96	0.03	0.0	2.400	0.020	4	1	1	43
PL.30755	PL.30754	B	6 A (CWC)	7.41Y	123.5	0.05	1.50	22.44	16	159	48	96	0.06	0.0	2.451	0.051	0	0	0	42
PL.30464	PL.30755	B	6 A (CWC)	7.40Y	123.4	0.13	1.63	22.44	16	159	48	96	0.16	0.1	2.582	0.131	4	1	2	41
PL.30465	PL.30464	B	6 A (CWC)	7.39Y	123.2	0.17	1.80	21.85	16	155	47	96	0.20	0.1	2.755	0.173	0	0	0	39
PL.30140	PL.30465	B	6 A (CWC)	7.39Y	123.2	0.00	1.81	1.25	1	9	3	95	0.00	0.0	2.889	0.134	9	3	4	4
PL.30329	PL.30465	B	6 A (CWC)	7.39Y	123.1	0.06	1.87	20.60	15	146	44	96	0.07	0.0	2.824	0.068	0	0	0	35
PL.30141	PL.30329	B	#2 ACSR	7.39Y	123.1	0.00	1.87	1.55	1	11	3	96	0.00	0.0	2.843	0.020	11	3	2	2
PL.30599	PL.30329	B	6 A (CWC)	7.38Y	123.0	0.10	1.97	19.05	14	135	41	96	0.10	0.1	2.934	0.111	0	0	0	33
PL.30600	PL.30599	B	6 A (CWC)	7.38Y	123.0	0.08	2.05	17.21	12	122	37	96	0.07	0.1	3.037	0.102	0	0	0	32
PL.30143	PL.30600	B	6 A (CWC)	7.38Y	123.0	0.00	2.05	0.85	1	6	2	95	0.00	0.0	3.077	0.040	6	2	2	2
PL.30758	PL.30600	B	6 A (CWC)	7.37Y	122.8	0.11	2.15	16.37	12	116	35	96	0.09	0.1	3.183	0.146	9	3	2	30
PL.30463	PL.30758	B	6 A (CWC)	7.37Y	122.8	0.05	2.20	15.13	11	107	32	96	0.04	0.0	3.249	0.066	0	0	0	28
PL.30105	PL.30463	B	6 A (CWC)	7.37Y	122.8	0.00	2.20	15.13	11	107	32	96	0.00	0.0	3.253	0.005	0	0	0	28
PD.4243	PL.30105	B	10T	7.37Y	122.8	0.00	2.20	15.13	0	107	32	96	0.00	0.0	3.253	0.005	0	0	0	28
PL.30104	PD.4243	B	#4 ACSR	7.37Y	122.8	0.00	2.20	0.42	0	3	1	95	0.00	0.0	3.302	0.048	3	1	1	1
PL.30330	PD.4243	B	6 A (CWC)	7.36Y	122.7	0.08	2.28	14.00	10	99	30	96	0.06	0.1	3.378	0.124	0	0	0	25
PL.30106	PL.30330	B	6 A (CWC)	7.36Y	122.7	0.01	2.29	1.31	1	9	3	95	0.00	0.0	3.469	0.091	0	0	0	4
PL.30107	PL.30106	B	#4 ACSR	7.36Y	122.7	0.00	2.29	0.38	0	3	1	95	0.00	0.0	3.572	0.103	3	1	1	1
PL.30332	PL.30106	B	6 A (CWC)	7.36Y	122.7	0.01	2.30	0.93	1	7	2	96	0.00	0.0	3.629	0.159	0	0	0	3
PL.30423	PL.30332	B	6 A (CWC)	7.36Y	122.7	0.01	2.30	0.93	1	7	2	96	0.00	0.0	3.747	0.118	0	0	0	3
PL.30424	PL.30423	B	6 A (CWC)	7.36Y	122.7	0.00	2.30	0.93	1	7	2	96	0.00	0.0	3.845	0.098	4	1	1	3
PL.30110	PL.30424	B	6 A (CWC)	7.36Y	122.7	0.00	2.31	0.35	0	2	1	89	0.00	0.0	3.951	0.106	0	0	0	1

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Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.30426	PL.30110	B	6 A (CWC)	7.36Y	122.7	0.00	2.31	0.35	0	2	1	89	0.00	0.0	4.063	0.113	2	1	1	1
PL.30145	PL.30424	B	#4 ACSR	7.36Y	122.7	0.00	2.30	0.07	0	0	0	100	0.00	0.0	4.032	0.188	0	0	0	1
PL.30644	PL.30145	B	#4 ACSR	7.36Y	122.7	0.00	2.30	0.07	0	0	0	100	0.00	0.0	4.166	0.133	0	0	1	1
PL.30645	PL.30644	B	#4 ACSR	7.36Y	122.7	0.00	2.30	0.00	0	0	0	100	0.00	0.0	4.280	0.114	0	0	0	0
PL.30553	PL.30645	B	#4 ACSR	7.36Y	122.7	0.00	2.30	0.00	0	0	0	100	0.00	0.0	4.374	0.094	0	0	0	0
PL.30425	PL.30553	B	#4 ACSR	7.36Y	122.7	0.00	2.30	0.00	0	0	0	100	0.00	0.0	4.525	0.151	0	0	0	0
PL.30112	PL.30425	B	6 A (CWC)	7.36Y	122.7	0.00	2.30	0.00	0	0	0	100	0.00	0.0	4.536	0.011	0	0	0	0
PL.30111	PL.30112	B	6 A (CWC)	7.36Y	122.7	0.00	2.30	0.00	0	0	0	100	0.00	0.0	4.583	0.047	0	0	0	0
PL.30331	PL.30330	B	6 A (CWC)	7.36Y	122.6	0.08	2.36	12.68	9	89	27	96	0.05	0.1	3.518	0.140	0	0	0	21
PL.30108	PL.30331	B	#2 ACSR	7.36Y	122.6	0.00	2.37	0.92	1	6	2	95	0.00	0.0	3.552	0.034	6	2	1	1
PL.30333	PL.30331	B	6 A (CWC)	7.35Y	122.6	0.05	2.42	11.77	8	83	25	96	0.03	0.0	3.616	0.098	0	0	0	20
PL.30642	PL.30333	B	6 A (CWC)	7.35Y	122.6	0.01	2.43	9.44	7	67	20	96	0.01	0.0	3.652	0.036	7	2	3	17
PL.30643	PL.30642	B	6 A (CWC)	7.35Y	122.5	0.02	2.46	8.42	6	59	18	96	0.01	0.0	3.716	0.064	6	2	1	14
PL.30641	PL.30643	B	6 A (CWC)	7.35Y	122.5	0.01	2.47	7.52	5	53	16	96	0.00	0.0	3.744	0.028	3	1	1	13
PL.30640	PL.30641	B	6 A (CWC)	7.35Y	122.5	0.02	2.48	7.07	5	50	15	96	0.01	0.0	3.803	0.059	14	4	3	12
PL.30639	PL.30640	B	6 A (CWC)	7.35Y	122.5	0.01	2.49	5.14	4	36	11	96	0.00	0.0	3.835	0.032	0	0	1	9
PL.30109	PL.30639	B	6 A (CWC)	7.35Y	122.5	0.00	2.49	0.57	0	4	1	97	0.00	0.0	3.915	0.080	4	1	2	2
PL.30334	PL.30639	B	6 A (CWC)	7.35Y	122.5	0.02	2.51	4.56	3	32	10	95	0.01	0.0	3.949	0.114	0	0	1	6
PL.30335	PL.30334	B	6 A (CWC)	7.35Y	122.5	0.01	2.52	3.59	3	25	8	95	0.00	0.0	4.019	0.071	17	5	3	4
PL.30148	PL.30335	B	#1/0 ACSR	7.35Y	122.5	0.00	2.52	1.14	0	8	2	97	0.00	0.0	4.111	0.091	0	0	0	1
PL.30422	PL.30148	B	#1/0 ACSR	7.35Y	122.5	0.00	2.53	1.14	0	8	2	97	0.00	0.0	4.284	0.174	8	2	1	1
PL.30147	PL.30334	B	#4 ACSR	7.35Y	122.5	0.00	2.52	0.98	1	7	2	96	0.00	0.0	4.003	0.054	7	2	1	1
PL.30756	PL.30333	B	#2 ACSR	7.35Y	122.6	0.00	2.42	2.32	1	16	5	95	0.00	0.0	3.657	0.042	7	2	1	3
PL.30757	PL.30756	B	#2 ACSR	7.35Y	122.6	0.00	2.42	1.28	1	9	3	95	0.00	0.0	3.711	0.054	7	2	1	2
PL.30146	PL.30757	B	#2 ACSR	7.35Y	122.6	0.00	2.42	0.26	0	2	1	89	0.00	0.0	3.751	0.040	2	1	1	1
PL.30144	PD.4243	B	6 A (CWC)	7.37Y	122.8	0.00	2.21	0.72	1	5	2	93	0.00	0.0	3.398	0.144	0	0	0	2
PL.30306	PL.30144	B	6 A (CWC)	7.37Y	122.8	0.01	2.21	0.72	1	5	2	93	0.00	0.0	3.561	0.163	0	0	0	2
PL.30604	PL.30306	B	6 A (CWC)	7.37Y	122.8	0.00	2.22	0.72	1	5	2	93	0.00	0.0	3.626	0.065	0	0	0	2
PL.30605	PL.30604	B	6 A (CWC)	7.37Y	122.8	0.00	2.22	0.50	0	4	1	97	0.00	0.0	3.706	0.081	4	1	1	1
PL.30601	PL.30604	B	6 A (CWC)	7.37Y	122.8	0.00	2.22	0.22	0	2	0	100	0.00	0.0	3.772	0.146	0	0	0	1
PL.30602	PL.30601	B	6 A (CWC)	7.37Y	122.8	0.00	2.22	0.22	0	2	0	100	0.00	0.0	3.917	0.144	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: Sand Gap

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.30549	PL.30602	B	#4 ACSR	7.37Y	122.8	0.00	2.22	0.22	0	2	0	100	0.00	0.0	4.067	0.151	2	0	1	1
PL.30603	PL.30602	B	6 A (CWC)	7.37Y	122.8	0.00	2.22	0.00	0	0	0	100	0.00	0.0	4.033	0.117	0	0	0	0
PL.30554	PL.30603	B	6 A (CWC)	7.37Y	122.8	0.00	2.22	0.00	0	0	0	100	0.00	0.0	4.176	0.142	0	0	0	0
PD.5966-A	PL.30554	B	Open	7.37Y	122.8	0.00	2.22	0.00	0	0	0	100	0.00	0.0	4.176	0.142	0	0	0	0
PL.30103	PL.30599	B	#2 ACSR	7.38Y	123.0	0.00	1.97	1.84	1	13	4	96	0.00	0.0	2.962	0.027	13	4	1	1
PL.30139	PL.30755	B	#2 ACSR	7.41Y	123.5	0.00	1.50	0.00	0	0	0	100	0.00	0.0	2.498	0.046	0	0	1	1
PL.30962	PL.30747	A	#2 ACSR	7.42Y	123.6	0.00	1.38	0.37	0	3	1	95	0.00	0.0	2.229	0.004	0	0	0	1
PD.4202	PL.30962	A	15T	7.42Y	123.6	0.00	1.38	0.37	0	3	1	95	0.00	0.0	2.229	0.004	0	0	0	1
PL.30963	PD.4202	A	#2 ACSR	7.42Y	123.6	0.00	1.38	0.37	0	3	1	95	0.00	0.0	2.253	0.025	3	1	1	1
PL.30960	PL.30598	A	#4 ACSR	7.43Y	123.8	0.00	1.22	1.90	1	13	4	96	0.00	0.0	1.315	0.005	0	0	0	3
PD.4201	PL.30960	A	65T	7.43Y	123.8	0.00	1.22	1.90	0	13	4	96	0.00	0.0	1.315	0.005	0	0	0	3
PL.30961	PD.4201	A	#4 ACSR	7.43Y	123.8	0.00	1.22	1.90	1	13	4	96	0.00	0.0	1.328	0.013	13	4	3	3
PL.30594	PL.30132	C	#4 ACSR	7.43Y	123.8	0.00	1.22	4.40	3	31	9	96	0.00	0.0	1.279	0.005	0	0	0	5
PD.4200	PL.30594	C	65T	7.43Y	123.8	0.00	1.22	4.40	0	31	9	96	0.00	0.0	1.279	0.005	0	0	0	5
PL.30133	PD.4200	C	#4 ACSR	7.43Y	123.8	0.00	1.22	0.06	0	0	0	100	0.00	0.0	1.300	0.021	0	0	1	1
PL.30741	PD.4200	C	#4 ACSR	7.43Y	123.8	0.00	1.22	4.34	3	31	9	96	0.00	0.0	1.303	0.024	22	7	3	4
PL.30742	PL.30741	C	#4 ACSR	7.43Y	123.8	0.00	1.22	1.29	1	9	3	95	0.00	0.0	1.338	0.035	9	3	1	1
PL.30882	PL.30325	C	#1/0 ACSR	7.45Y	124.2	0.00	0.78	2.87	1	20	6	96	0.00	0.0	0.836	0.005	0	0	0	4
PD.4161	PL.30882	C	65T	7.45Y	124.2	0.00	0.78	2.87	0	20	6	96	0.00	0.0	0.836	0.005	0	0	0	4
PL.30883	PD.4161	C	#1/0 ACSR	7.45Y	124.2	0.00	0.78	2.87	1	20	6	96	0.00	0.0	0.849	0.013	20	6	4	4
PL.30878	PL.30592	C	#1/0 ACSR	7.47Y	124.5	0.00	0.49	0.31	0	2	1	89	0.00	0.0	0.569	0.005	0	0	0	1
PD.4159	PL.30878	C	65T	7.47Y	124.5	0.00	0.49	0.31	0	2	1	89	0.00	0.0	0.569	0.005	0	0	0	1
PL.30879	PD.4159	C	#1/0 ACSR	7.47Y	124.5	0.00	0.49	0.31	0	2	1	89	0.00	0.0	0.598	0.029	2	1	1	1
PL.30884	PL.30595	C	#1/0 ACSR	7.49Y	124.8	0.00	0.20	1.62	1	12	4	95	0.00	0.0	0.322	0.013	0	0	0	1
PD.4162	PL.30884	C	65T	7.49Y	124.8	0.00	0.20	1.62	0	12	4	95	0.00	0.0	0.322	0.013	0	0	0	1
PL.30885	PD.4162	C	#1/0 ACSR	7.49Y	124.8	0.00	0.21	1.62	1	12	4	95	0.00	0.0	0.364	0.042	12	4	1	1

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Balanced Voltage Drop Report
Source: Sand Gap

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load	Losses	Total		
KW	5923	0	0	0	0	0	83		0.00	6006	Lowest Voltage =	115.26 on Element PL.30247
KVAR	1820	0	0	-6	0	0	166			1980	Max Accm VoltD =	9.74 on Element PL.30247
											Max Elem VoltD =	0.40 on Element PL.30201