Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
Campground		ABC	SRC-Camp G	7.50Y	125.0	0.00	0.00	1017.02	0	21705	7249	95	0.00	0.0	0.000	0.000	0	0	0	2616
PL.52869	Campground	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	188.52	36	4068	1202	96	0.06	0.0	0.002	0.002	0	0	0	473
PL.52873	PL.52869	ABC	336 MCM AC	7.50Y	125.0	0.00	0.01	188.52	36	4068	1202	96	0.06	0.0	0.004	0.002	0	0	0	473
---------- Feeder No. 1 (Bush F1) Beginning with Device PD.7980 ----------																				
PD.7980	PL.52873	ABC	480VWE	7.50Y	125.0	0.00	0.01	188.52	0	4068	1202	96	0.00	0.0	0.004	0.002	0	0	0	473
PL.46408	PD.7980	ABC	336 MCM AC	7.50Y	124.9	0.07	0.08	188.52	36	4068	1202	96	1.56	0.0	0.056	0.052	0	0	0	473
PL.45986	PL.46408	ABC	336 MCM AC	7.48Y	124.7	0.20	0.28	188.52	36	4066	1198	96	4.20	0.1	0.196	0.140	3	1	1	473
PL.47035	PL.45986	C	6 A (CWC)	7.48Y	124.7	0.00	0.28	1.26	1	9	2	98	0.00	0.0	0.197	0.000	0	0	0	1
PD.7259	PL.47035	C	40T	7.48Y	124.7	0.00	0.28	1.26	0	9	2	98	0.00	0.0	0.197	0.000	0	0	0	1
PL.45830	PD.7259	C	6 A (CWC)	7.48Y	124.7	0.00	0.28	1.26	1	9	2	98	0.00	0.0	0.291	0.094	9	2	1	1
PL.47033	PL.45986	ABC	336 MCM AC	7.46Y	124.4	0.33	0.61	187.96	36	4050	1185	96	6.98	0.2	0.431	0.235	0	0	0	471
PL.54461	PL.47033	ABC	336 MCM AC	7.45Y	124.2	0.15	0.77	187.90	36	4042	1168	96	3.23	0.1	0.540	0.109	0	0	0	470
PL.54462	PL.54461	ABC	336 MCM AC	7.45Y	124.2	0.05	0.81	187.90	36	4038	1161	96	0.99	0.0	0.573	0.033	0	0	0	470
PL.45957	PL.54462	ABC	336 MCM AC	7.44Y	124.0	0.19	1.00	187.90	36	4037	1159	96	3.90	0.1	0.704	0.131	3	1	2	470
PL.46362	PL.45957	ABC	336 MCM AC	7.43Y	123.8	0.24	1.24	187.75	36	4030	1149	96	5.02	0.1	0.874	0.170	22	6	2	468
PL.57995	PL.46362	ABC	336 MCM AC	7.42Y	123.6	0.12	1.36	186.72	36	4003	1131	96	2.62	0.1	0.963	0.089	0	0	0	466
PL.57997	PL.57995	C	6 A (CWC)	7.42Y	123.6	0.00	1.36	10.59	8	76	19	97	0.00	0.0	0.967	0.004	0	0	0	9
PD.8402	PL.57997	C	100T	7.42Y	123.6	0.00	1.36	10.59	0	76	19	97	0.00	0.0	0.967	0.004	0	0	0	9
PL.57998	PD.8402	C	6 A (CWC)	7.42Y	123.6	0.02	1.38	10.59	8	76	19	97	0.01	0.0	1.004	0.036	14	4	1	9
PL.57996	PL.57998	C	6 A (CWC)	7.41Y	123.6	0.04	1.42	8.59	6	62	16	97	0.02	0.0	1.117	0.113	1	0	1	8
PL.54827	PL.57996	C	#2 ACSR	7.41Y	123.6	0.00	1.42	1.40	1	10	3	96	0.00	0.0	1.180	0.063	10	3	1	1
PL.54828	PL.57996	C	6 A (CWC)	7.41Y	123.6	0.01	1.43	7.08	5	51	13	97	0.00	0.0	1.141	0.025	0	0	0	6
PL.54826	PL.54828	C	6 A (CWC)	7.41Y	123.5	0.02	1.45	7.08	5	51	13	97	0.01	0.0	1.215	0.073	11	3	1	6
PL.54764	PL.54826	C	6 A (CWC)	7.41Y	123.5	0.01	1.47	5.58	4	40	10	97	0.00	0.0	1.273	0.058	0	0	0	5
PL.46857	PL.54764	C	6 A (CWC)	7.41Y	123.5	0.00	1.47	1.41	1	10	3	96	0.00	0.0	1.323	0.050	10	3	1	1
PL.46413	PL.54764	C	6 A (CWC)	7.41Y	123.5	0.01	1.48	2.40	2	17	4	97	0.00	0.0	1.430	0.157	16	4	2	3
PL.46414	PL.46413	C	6 A (CWC)	7.41Y	123.5	0.00	1.48	0.23	0	2	0	100	0.00	0.0	1.505	0.075	2	0	1	1
PL.63542	PL.54764	C	#1/0 ACSR	7.41Y	123.5	0.00	1.47	1.77	1	13	3	97	0.00	0.0	1.346	0.073	0	0	0	1
PL.63543	PL.63542	C	#1/0 ACSR	7.41Y	123.5	0.00	1.47	1.77	1	13	3	97	0.00	0.0	1.416	0.070	13	3	1	1
PL.57999	PL.57995	ABC	336 MCM AC	7.41Y	123.6	0.06	1.42	183.19	35	3924	1106	96	1.28	0.0	1.009	0.045	0	0	0	457

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: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.58001	PL.57999	C	#1/0 ACSR	7.41Y	123.6	0.00	1.42	1.10	0	8	2	97	0.00	0.0	1.012	0.003	0	0	0	1
PD.8403	PL.58001	C	40T	7.41Y	123.6	0.00	1.42	1.10	0	8	2	97	0.00	0.0	1.012	0.003	0	0	0	1
PL.58002	PD.8403	C	#1/0 ACSR	7.41Y	123.6	0.00	1.42	1.10	0	8	2	97	0.00	0.0	1.041	0.029	8	2	1	1
PL.58000	PL.57999	ABC	336 MCM AC	7.41Y	123.5	0.08	1.50	182.82	35	3915	1101	96	1.63	0.0	1.066	0.058	0	0	0	456
PL.46977	PL.58000	ABC	336 MCM AC	7.40Y	123.4	0.09	1.59	182.82	35	3913	1097	96	1.92	0.0	1.135	0.068	0	0	0	456
PL.45558	PL.46977	ABC	336 MCM AC	7.40Y	123.3	0.12	1.71	182.27	35	3899	1090	96	2.42	0.1	1.221	0.087	14	3	1	455
PL.45196	PL.45558	ABC	336 MCM AC	7.39Y	123.1	0.15	1.86	181.64	35	3883	1081	96	3.09	0.1	1.333	0.111	0	0	0	454
PL.45105	PL.45196	C	#2 ACSR	7.39Y	123.1	0.00	1.86	3.93	2	28	7	97	0.00	0.0	1.335	0.002	0	0	0	1
PD.7193	PL.45105	C	40T	7.39Y	123.1	0.00	1.86	3.93	0	28	7	97	0.00	0.0	1.335	0.002	0	0	0	1
PL.45106	PD.7193	C	#2 ACSR	7.39Y	123.1	0.01	1.87	3.93	2	28	7	97	0.00	0.0	1.461	0.126	28	7	1	1
PL.57791	PL.45196	ABC	336 MCM AC	7.36Y	122.7	0.44	2.31	180.33	35	3852	1066	96	9.11	0.2	1.665	0.332	0	0	0	453
PD.8406-A	PL.57791	ABC	Closed	7.36Y	122.7	0.00	2.31	180.33	0	3843	1045	96	0.00	0.0	1.665	0.332	0	0	0	453
PD.8406-B	PD.8406-A	ABC	Closed	7.36Y	122.7	0.00	2.31	180.33	0	3843	1045	96	0.00	0.0	1.665	0.332	0	0	0	453
PL.57816	PD.8406-B	ABC	336 MCM AC	7.36Y	122.7	0.04	2.34	180.33	35	3843	1045	96	0.74	0.0	1.692	0.027	0	0	0	453
PL.57819	PL.57816	ABC	336 MCM AC	7.36Y	122.7	0.00	2.34	0.00	0	0	0	100	0.00	0.0	1.694	0.002	0	0	0	0
PD.8416-B	PL.57819	ABC	Open	7.36Y	122.7	0.00	2.34	0.00	0	0	0	100	0.00	0.0	1.694	0.002	0	0	0	0
PL.72965	PL.57816	ABC	336 MCM AC	7.33Y	122.2	0.43	2.78	180.33	35	3842	1043	97	8.96	0.2	2.019	0.327	0	0	0	453
PL.72964	PL.72965	ABC	336 MCM AC	7.33Y	122.2	0.05	2.83	117.58	23	2501	661	97	0.74	0.0	2.083	0.064	0	0	0	269
PL.72967	PL.72964	ABC	336 MCM AC	7.33Y	122.1	0.04	2.87	117.58	23	2500	660	97	0.53	0.0	2.129	0.045	0	0	0	269
PL.72968	PL.72967	ABC	336 MCM AC	7.32Y	122.1	0.06	2.93	117.58	23	2500	658	97	0.80	0.0	2.197	0.069	0	0	0	269
PL.72969	PL.72968	ABC	336 MCM AC	7.32Y	122.0	0.04	2.97	117.58	23	2499	657	97	0.57	0.0	2.246	0.049	0	0	0	269
PL.72970	PL.72969	ABC	336 MCM AC	7.32Y	121.9	0.09	3.06	117.58	23	2498	655	97	1.26	0.1	2.354	0.108	0	0	1	269
PL.53728	PL.72970	A	#4 ACSR	7.32Y	121.9	0.00	3.06	2.21	2	16	4	97	0.00	0.0	2.356	0.001	0	0	0	1
PD.7191	PL.53728	A	65T	7.32Y	121.9	0.00	3.06	2.21	0	16	4	97	0.00	0.0	2.356	0.001	0	0	0	1
PL.56775	PD.7191	A	#4 ACSR	7.32Y	121.9	0.00	3.07	2.21	2	16	4	97	0.00	0.0	2.393	0.037	16	4	1	1
PL.56776	PL.56775	A	#4 ACSR	7.32Y	121.9	0.00	3.07	0.00	0	0	0	100	0.00	0.0	2.465	0.072	0	0	0	0
PL.57792	PL.72970	ABC	336 MCM AC	7.31Y	121.9	0.03	3.10	116.84	23	2481	648	97	0.46	0.0	2.395	0.040	0	0	0	267
PD.8407	PL.57792	ABC	110-200-14	7.31Y	121.9	0.00	3.10	116.84	58	2481	647	97	0.00	0.0	2.395	0.040	0	0	0	267
PL.57793	PD.8407	ABC	336 MCM AC	7.31Y	121.8	0.06	3.16	116.84	23	2481	647	97	0.84	0.0	2.467	0.073	0	0	0	267
PL.46604	PL.57793	B	6 A (CWC)	7.31Y	121.8	0.00	3.16	2.82	2	20	5	97	0.00	0.0	2.468	0.001	0	0	0	3
PD.7011	PL.46604	B	65T	7.31Y	121.8	0.00	3.16	2.82	0	20	5	97	0.00	0.0	2.468	0.001	0	0	0	3

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Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.46783	PD.7011	B	6 A (CWC)	7.31Y	121.8	0.01	3.17	2.82	2	20	5	97	0.00	0.0	2.573	0.105	0	0	0	3
PL.46681	PL.46783	B	#4 ACSR	7.31Y	121.8	0.00	3.18	1.28	1	9	2	98	0.00	0.0	2.654	0.081	9	2	2	2
PL.46784	PL.46783	B	6 A (CWC)	7.31Y	121.8	0.00	3.18	1.54	1	11	3	96	0.00	0.0	2.635	0.062	11	3	1	1
PL.53649	PL.57793	ABC	336 MCM AC	7.31Y	121.8	0.07	3.23	115.90	22	2460	640	97	0.96	0.0	2.552	0.085	0	0	1	264
PL.59518	PL.53649	ABC	336 MCM AC	7.30Y	121.7	0.03	3.27	115.89	22	2459	638	97	0.44	0.0	2.591	0.039	0	0	0	263
PL.59519	PL.59518	A	#4 ACSR	7.30Y	121.7	0.00	3.27	1.73	1	12	3	97	0.00	0.0	2.595	0.004	0	0	0	2
PD.7929	PL.59519	A	65T	7.30Y	121.7	0.00	3.27	1.73	0	12	3	97	0.00	0.0	2.595	0.004	0	0	0	2
PL.53186	PD.7929	A	#4 ACSR	7.30Y	121.7	0.00	3.27	1.73	1	12	3	97	0.00	0.0	2.679	0.084	12	3	2	2
PL.59520	PL.59518	ABC	336 MCM AC	7.30Y	121.7	0.02	3.29	105.28	20	2233	580	97	0.28	0.0	2.622	0.030	9	2	1	240
PL.59521	PL.59520	ABC	336 MCM AC	7.30Y	121.6	0.06	3.35	104.84	20	2223	577	97	0.76	0.0	2.703	0.082	0	0	1	239
PL.54699	PL.59521	ABC	336 MCM AC	7.29Y	121.4	0.23	3.58	104.84	20	2222	575	97	2.81	0.1	3.007	0.303	0	0	0	238
PL.52673	PL.54699	ABC	336 MCM AC	7.28Y	121.4	0.05	3.63	104.84	20	2220	569	97	0.57	0.0	3.068	0.061	0	0	0	238
PL.46539	PL.52673	ABC	336 MCM AC	7.28Y	121.4	0.02	3.64	61.75	12	1307	334	97	0.12	0.0	3.106	0.038	0	0	0	138
PL.47191	PL.46539	ABC	336 MCM AC	7.27Y	121.2	0.19	3.83	61.54	12	1302	333	97	1.34	0.1	3.526	0.420	0	0	0	137
PL.47192	PL.47191	ABC	1/0 AL URD	7.27Y	121.2	0.00	3.83	0.59	0	12	5	92	0.00	0.0	3.530	0.004	0	0	0	2
PD.7258	PL.47192	ABC	40T	7.27Y	121.2	0.00	3.83	0.59	0	12	5	92	0.00	0.0	3.530	0.004	0	0	0	2
PL.47193	PD.7258	ABC	1/0 AL URD	7.27Y	121.2	0.00	3.83	0.59	0	12	5	92	0.00	0.0	3.576	0.046	4	1	1	2
PL.47194	PL.47193	ABC	1/0 AL URD	7.27Y	121.2	0.00	3.83	0.41	0	8	4	89	0.00	0.0	3.656	0.080	8	4	1	1
PL.58014	PL.47191	ABC	336 MCM AC	7.27Y	121.2	0.01	3.84	60.96	12	1289	325	97	0.04	0.0	3.540	0.014	0	0	0	135
PL.58018	PL.58014	C	1/0 AL URD	7.27Y	121.2	0.00	3.84	0.00	0	0	0	100	0.00	0.0	3.544	0.004	0	0	0	0
PD.8418	PL.58018	C	65T	7.27Y	121.2	0.00	3.84	0.00	0	0	0	100	0.00	0.0	3.544	0.004	0	0	0	0
PL.58017	PD.8418	C	1/0 AL URD	7.27Y	121.2	0.00	3.84	0.00	0	0	0	100	0.00	0.0	3.548	0.004	0	0	0	0
PL.58016	PL.58014	ABC	1/0 AL URD	7.27Y	121.2	0.00	3.84	60.96	36	1289	325	97	0.05	0.0	3.544	0.004	0	0	0	135
PD.8417	PL.58016	ABC	30T	7.27Y	121.2	0.00	3.84	60.96	0	1289	325	97	0.00	0.0	3.544	0.004	0	0	0	135
PL.58824	PD.8417	ABC	1/0 AL URD	7.27Y	121.1	0.02	3.86	60.96	36	1289	325	97	0.21	0.0	3.560	0.016	0	0	0	135
PL.58756	PL.58824	B	1/0 AL URD	7.27Y	121.1	0.00	3.86	0.00	0	0	0	100	0.00	0.0	3.645	0.085	0	0	0	0
PL.64725	PL.58824	B	1/0 AL URD	7.25Y	120.9	0.26	4.12	22.64	13	160	40	97	0.33	0.2	3.934	0.374	6	1	2	13
PL.64726	PL.64725	B	1/0 AL URD	7.25Y	120.8	0.06	4.19	21.84	13	154	39	97	0.08	0.1	4.032	0.098	9	2	2	11
PL.47062	PL.64726	B	1/0 AL URD	7.25Y	120.8	0.03	4.22	20.55	12	144	36	97	0.04	0.0	4.085	0.053	0	0	0	9
PL.47063	PL.47062	B	1/0 AL URD	7.24Y	120.7	0.04	4.26	20.55	12	144	36	97	0.04	0.0	4.156	0.071	48	12	2	9
PL.47064	PL.47063	B	1/0 AL URD	7.24Y	120.7	0.01	4.27	13.78	8	97	24	97	0.01	0.0	4.180	0.024	0	0	0	7

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Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.45983	PL.47064	B	1/0 AL URD	7.24Y	120.7	0.03	4.30	8.30	5	58	15	97	0.01	0.0	4.293	0.113	8	2	1	2
PL.63583	PL.45983	B	1/0 AL URD	7.24Y	120.7	0.00	4.30	7.12	4	50	13	97	0.00	0.0	4.309	0.016	50	13	1	1
PL.47065	PL.47064	B	1/0 AL URD	7.24Y	120.7	0.00	4.27	5.47	3	38	10	97	0.00	0.0	4.203	0.023	15	4	1	5
PL.59857	PL.47065	B	1/0 AL URD	7.24Y	120.7	0.00	4.28	3.32	2	23	6	97	0.00	0.0	4.258	0.055	22	6	3	4
PL.59858	PL.59857	B	1/0 AL URD	7.24Y	120.7	0.00	4.28	0.19	0	1	0	100	0.00	0.0	4.359	0.101	1	0	1	1
PL.47066	PL.59858	B	1/0 AL URD	7.24Y	120.7	0.00	4.28	0.00	0	0	0	100	0.00	0.0	4.386	0.027	0	0	0	0
PL.58757	PL.58824	B	1/0 AL URD	7.27Y	121.1	0.05	3.91	28.33	17	200	50	97	0.07	0.0	3.613	0.053	10	2	1	20
PL.63562	PL.58757	B	1/0 AL URD	7.27Y	121.1	0.00	3.91	26.96	16	190	48	97	0.00	0.0	3.613	0.000	23	6	1	19
PL.63563	PL.63562	B	1/0 AL URD	7.26Y	121.0	0.05	3.95	23.64	14	167	42	97	0.06	0.0	3.677	0.064	5	1	1	18
PL.60575	PL.63563	B	1/0 AL URD	7.26Y	121.0	0.00	3.95	22.93	13	161	41	97	0.00	0.0	3.677	0.000	20	5	1	17
PL.64345	PL.60575	B	1/0 AL URD	7.26Y	121.0	0.04	3.99	20.06	12	141	36	97	0.04	0.0	3.739	0.062	0	0	0	16
PL.64346	PL.64345	B	1/0 AL URD	7.26Y	121.0	0.00	3.99	20.06	12	141	36	97	0.00	0.0	3.739	0.000	0	0	0	16
PL.58825	PL.64346	B	1/0 AL URD	7.26Y	121.0	0.04	4.04	20.06	12	141	36	97	0.05	0.0	3.809	0.070	15	4	2	16
PL.47075	PL.58825	B	1/0 AL URD	7.26Y	120.9	0.04	4.08	17.97	11	126	32	97	0.04	0.0	3.892	0.083	28	7	1	14
PL.47074	PL.47075	B	1/0 AL URD	7.25Y	120.9	0.02	4.10	14.05	8	99	25	97	0.02	0.0	3.943	0.051	0	0	0	13
PL.47073	PL.47074	B	1/0 AL URD	7.25Y	120.9	0.03	4.13	14.05	8	99	25	97	0.03	0.0	4.016	0.074	0	0	0	13
PL.47072	PL.47073	B	1/0 AL URD	7.25Y	120.8	0.03	4.16	14.05	8	99	25	97	0.02	0.0	4.094	0.077	21	5	2	13
PL.47071	PL.47072	B	1/0 AL URD	7.25Y	120.8	0.02	4.18	11.13	7	78	20	97	0.01	0.0	4.147	0.053	7	2	1	11
PL.47068	PL.47071	B	1/0 AL URD	7.25Y	120.8	0.02	4.20	10.08	6	71	18	97	0.01	0.0	4.204	0.057	4	1	2	10
PL.47067	PL.47068	B	1/0 AL URD	7.25Y	120.8	0.01	4.21	9.54	6	67	17	97	0.01	0.0	4.247	0.043	18	5	3	8
PL.54892	PL.47067	B	1/0 AL URD	7.25Y	120.8	0.01	4.22	6.93	4	49	12	97	0.00	0.0	4.316	0.069	15	4	3	5
PL.64729	PL.54892	B	1/0 AL URD	7.25Y	120.8	0.01	4.23	4.86	3	34	9	97	0.00	0.0	4.362	0.046	19	5	1	2
PL.64730	PL.64729	B	1/0 AL URD	7.25Y	120.8	0.00	4.23	2.14	1	15	4	97	0.00	0.0	4.406	0.044	15	4	1	1
PL.54891	PL.54892	B	1/0 AL URD	7.25Y	120.8	0.00	4.22	0.00	0	0	0	100	0.00	0.0	4.317	0.001	0	0	0	0
PL.58755	PL.58824	B	1/0 AL URD	7.27Y	121.1	0.00	3.86	0.00	0	0	0	100	0.00	0.0	3.594	0.034	0	0	0	0
PL.58758	PL.58824	ABC	1/0 AL URD	7.25Y	120.9	0.26	4.12	43.97	26	930	234	97	1.95	0.2	3.853	0.293	0	0	0	102
PL.58826	PL.58758	C	1/0 AL URD	7.25Y	120.9	0.03	4.15	12.94	8	91	23	97	0.02	0.0	3.936	0.083	35	9	3	5
PL.63618	PL.58826	C	1/0 AL URD	7.25Y	120.8	0.01	4.16	7.91	5	56	14	97	0.01	0.0	3.992	0.056	0	0	0	2
PL.63619	PL.63618	C	1/0 AL URD	7.25Y	120.8	0.01	4.17	7.91	5	56	14	97	0.00	0.0	4.044	0.052	25	6	1	2
PL.63617	PL.63619	C	1/0 AL URD	7.25Y	120.8	0.00	4.18	4.28	3	30	8	97	0.00	0.0	4.116	0.072	30	8	1	1
PL.58015	PL.63617	C	1/0 AL URD	7.25Y	120.8	0.00	4.18	0.00	0	0	0	100	0.00	0.0	4.141	0.025	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: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.64223	PL.63618	C	1/0 AL URD	7.25Y	120.8	0.00	4.16	0.00	0	0	0	100	0.00	0.0	3.995	0.003	0	0	0	0
PL.58754	PL.58758	ABC	1/0 AL URD	7.25Y	120.9	0.00	4.12	0.57	0	12	3	97	0.00	0.0	3.896	0.044	12	3	2	2
PL.58759	PL.58758	ABC	1/0 AL URD	7.25Y	120.8	0.11	4.23	39.08	23	825	208	97	0.70	0.1	3.987	0.134	0	0	0	95
PL.47195	PL.58759	ABC	1/0 AL URD	7.24Y	120.7	0.08	4.31	33.56	20	707	178	97	0.49	0.1	4.112	0.125	0	0	0	81
PL.47197	PL.47195	A	1/0 AL URD	7.24Y	120.7	0.01	4.32	13.65	8	96	24	97	0.01	0.0	4.128	0.016	1	0	1	7
PL.47201	PL.47197	A	1/0 AL URD	7.24Y	120.7	0.02	4.34	13.45	8	94	24	97	0.01	0.0	4.193	0.065	37	9	2	6
PL.47202	PL.47201	A	1/0 AL URD	7.24Y	120.6	0.02	4.36	8.11	5	57	14	97	0.01	0.0	4.279	0.087	25	6	1	4
PL.47203	PL.47202	A	1/0 AL URD	7.24Y	120.6	0.01	4.36	4.52	3	32	8	97	0.00	0.0	4.340	0.061	0	0	0	3
PL.64733	PL.47203	A	1/0 AL URD	7.24Y	120.6	0.01	4.37	4.52	3	32	8	97	0.00	0.0	4.397	0.056	21	5	1	3
PL.64734	PL.64733	A	1/0 AL URD	7.24Y	120.6	0.00	4.37	1.53	1	11	3	96	0.00	0.0	4.459	0.063	4	1	1	2
PL.47204	PL.64734	A	1/0 AL URD	7.24Y	120.6	0.00	4.37	0.94	1	7	2	96	0.00	0.0	4.543	0.083	0	0	0	1
PL.46770	PL.47204	A	1/0 AL URD	7.24Y	120.6	0.00	4.38	0.94	1	7	2	96	0.00	0.0	4.624	0.081	7	2	1	1
PL.46771	PL.46770	A	1/0 AL URD	7.24Y	120.6	0.00	4.38	0.00	0	0	0	100	0.00	0.0	4.662	0.038	0	0	0	0
PL.53568	PL.47195	C	1/0 AL URD	7.24Y	120.7	0.00	4.31	1.51	1	11	3	96	0.00	0.0	4.172	0.060	11	3	1	1
PL.47196	PL.47195	ABC	1/0 AL URD	7.24Y	120.7	0.03	4.34	28.51	17	600	151	97	0.14	0.0	4.162	0.050	0	0	0	73
PL.45985	PL.47196	ABC	1/0 AL URD	7.24Y	120.6	0.07	4.41	25.00	15	526	133	97	0.29	0.1	4.295	0.133	0	0	0	67
PL.46703	PL.45985	A	1/0 AL URD	7.24Y	120.6	0.01	4.41	9.02	5	63	16	97	0.00	0.0	4.317	0.022	0	0	0	6
PL.47198	PL.46703	A	1/0 AL URD	7.23Y	120.6	0.01	4.42	9.02	5	63	16	97	0.00	0.0	4.353	0.036	7	2	1	6
PL.47199	PL.47198	A	1/0 AL URD	7.23Y	120.6	0.01	4.43	7.96	5	56	14	97	0.00	0.0	4.382	0.029	0	0	0	5
PL.46638	PL.47199	A	1/0 AL URD	7.23Y	120.6	0.01	4.44	7.96	5	56	14	97	0.01	0.0	4.452	0.070	16	4	2	5
PL.47037	PL.46638	A	1/0 AL URD	7.23Y	120.5	0.01	4.45	5.69	3	40	10	97	0.00	0.0	4.512	0.060	10	2	1	3
PL.47047	PL.47037	A	1/0 AL URD	7.23Y	120.5	0.01	4.46	4.32	3	30	8	97	0.00	0.0	4.554	0.042	0	0	0	2
PL.53849	PL.47047	A	1/0 AL URD	7.23Y	120.5	0.00	4.46	4.32	3	30	8	97	0.00	0.0	4.587	0.033	19	5	1	2
PL.53848	PL.53849	A	1/0 AL URD	7.23Y	120.5	0.00	4.46	1.68	1	12	3	97	0.00	0.0	4.625	0.038	0	0	0	1
PL.47046	PL.53848	A	1/0 AL URD	7.23Y	120.5	0.00	4.47	1.68	1	12	3	97	0.00	0.0	4.673	0.048	0	0	0	1
PL.46542	PL.47046	A	1/0 AL URD	7.23Y	120.5	0.00	4.47	1.68	1	12	3	97	0.00	0.0	4.726	0.053	0	0	0	1
PL.46536	PL.46542	A	1/0 AL URD	7.23Y	120.5	0.00	4.47	1.68	1	12	3	97	0.00	0.0	4.769	0.043	12	3	1	1
PL.46547	PL.46536	A	1/0 AL URD	7.23Y	120.5	0.00	4.47	0.00	0	0	0	100	0.00	0.0	4.811	0.042	0	0	0	0
PL.63568	PL.45985	ABC	1/0 AL URD	7.23Y	120.5	0.14	4.55	21.99	13	463	117	97	0.54	0.1	4.621	0.326	0	0	0	61
PL.63569	PL.63568	ABC	1/0 AL URD	7.23Y	120.4	0.01	4.56	4.35	3	91	23	97	0.01	0.0	4.770	0.149	7	2	1	14
PL.45981	PL.63569	ABC	1/0 AL URD	7.23Y	120.4	0.01	4.57	4.01	2	84	21	97	0.01	0.0	4.878	0.108	0	0	0	13

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: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.45210	PL.45981	C	6 A (CWC)	7.22Y	120.4	0.06	4.63	6.79	5	48	12	97	0.02	0.0	5.086	0.208	0	0	0	5
PL.46538	PL.45210	C	#4 ACSR	7.22Y	120.4	0.00	4.64	1.29	1	9	2	98	0.00	0.0	5.133	0.047	0	0	0	1
PL.46541	PL.46538	C	#4 ACSR	7.22Y	120.4	0.00	4.64	1.29	1	9	2	98	0.00	0.0	5.204	0.071	9	2	1	1
PL.47022	PL.45210	C	6 A (CWC)	7.22Y	120.4	0.00	4.64	1.23	1	9	2	98	0.00	0.0	5.213	0.127	9	2	1	1
PL.46319	PL.45210	C	6 A (CWC)	7.22Y	120.4	0.01	4.64	3.13	2	22	6	96	0.00	0.0	5.159	0.072	22	6	2	2
PL.47034	PL.45210	C	1/0 AL URD	7.22Y	120.4	0.00	4.64	1.14	1	8	2	97	0.00	0.0	5.217	0.131	8	2	1	1
PL.53642	PL.45981	C	6 A (CWC)	7.23Y	120.4	0.00	4.58	1.99	1	14	4	96	0.00	0.0	4.988	0.109	14	4	3	3
PL.45982	PL.45981	C	1/0 AL URD	7.23Y	120.4	0.00	4.57	3.25	2	23	6	97	0.00	0.0	4.878	0.000	0	0	0	5
PD.7207	PL.45982	C	75QA	7.23Y	120.4	0.00	4.57	3.25	4	23	6	97	0.00	0.0	4.878	0.000	0	0	0	5
PL.47200	PD.7207	C	1/0 AL URD	7.23Y	120.4	0.00	4.57	3.25	2	23	6	97	0.00	0.0	4.883	0.004	0	0	0	5
PL.45980	PL.47200	C	1/0 AL URD	7.23Y	120.4	0.00	4.57	3.25	2	23	6	97	0.00	0.0	4.884	0.001	17	4	4	5
PL.46533	PL.45980	C	1/0 AL URD	7.23Y	120.4	0.00	4.57	0.77	0	5	1	98	0.00	0.0	4.938	0.053	0	0	0	1
PL.46704	PL.46533	C	1/0 AL URD	7.23Y	120.4	0.00	4.57	0.77	0	5	1	98	0.00	0.0	5.016	0.079	5	1	1	1
PL.47020	PL.47200	C	1/0 AL URD	7.23Y	120.4	0.00	4.57	0.00	0	0	0	100	0.00	0.0	4.931	0.048	0	0	0	0
PL.63570	PL.63568	C	1/0 AL URD	7.21Y	120.2	0.26	4.81	27.09	16	190	48	97	0.40	0.2	4.927	0.306	0	0	0	29
PL.46373	PL.63570	C	1/0 AL URD	7.20Y	120.1	0.11	4.92	27.09	16	189	48	97	0.17	0.1	5.055	0.128	0	0	0	29
PL.46372	PL.46373	C	1/0 AL URD	7.20Y	120.0	0.09	5.01	27.09	16	189	48	97	0.14	0.1	5.167	0.112	8	2	2	29
PL.46845	PL.46372	C	1/0 AL URD	7.19Y	119.8	0.16	5.17	26.01	15	182	46	97	0.23	0.1	5.365	0.197	6	1	1	27
PL.46595	PL.46845	C	1/0 AL URD	7.18Y	119.7	0.13	5.29	25.16	15	175	44	97	0.18	0.1	5.524	0.160	0	0	0	26
PL.46596	PL.46595	C	1/0 AL URD	7.18Y	119.7	0.04	5.33	25.16	15	175	44	97	0.06	0.0	5.576	0.051	8	2	4	26
PL.46594	PL.46596	C	1/0 AL URD	7.18Y	119.6	0.05	5.38	24.07	14	168	42	97	0.06	0.0	5.637	0.061	7	2	1	22
PL.46593	PL.46594	C	1/0 AL URD	7.18Y	119.6	0.03	5.41	23.01	14	160	40	97	0.04	0.0	5.688	0.051	29	7	2	21
PL.46779	PL.46593	C	1/0 AL URD	7.17Y	119.6	0.03	5.44	18.90	11	131	33	97	0.03	0.0	5.735	0.047	2	0	1	19
PL.46778	PL.46779	C	1/0 AL URD	7.17Y	119.5	0.03	5.47	18.67	11	130	33	97	0.03	0.0	5.789	0.053	0	0	0	18
PL.46777	PL.46778	C	1/0 AL URD	7.17Y	119.5	0.03	5.50	18.67	11	130	33	97	0.03	0.0	5.845	0.056	3	1	2	18
PL.46776	PL.46777	C	1/0 AL URD	7.17Y	119.5	0.03	5.53	18.20	11	127	32	97	0.03	0.0	5.897	0.052	14	4	2	16
PL.46775	PL.46776	C	1/0 AL URD	7.17Y	119.4	0.03	5.57	16.16	10	112	28	97	0.03	0.0	5.966	0.069	0	0	0	14
PL.46774	PL.46775	C	1/0 AL URD	7.16Y	119.4	0.03	5.60	16.16	10	112	28	97	0.03	0.0	6.044	0.078	39	10	3	14
PL.46773	PL.46774	C	1/0 AL URD	7.16Y	119.4	0.02	5.62	10.59	6	74	19	97	0.01	0.0	6.100	0.056	7	2	1	11
PL.46772	PL.46773	C	1/0 AL URD	7.16Y	119.4	0.02	5.63	9.54	6	66	17	97	0.01	0.0	6.162	0.061	11	3	2	10
PL.46716	PL.46772	C	1/0 AL URD	7.16Y	119.4	0.01	5.64	8.00	5	56	14	97	0.00	0.0	6.207	0.045	7	2	1	8

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.46715	PL.46716	C	1/0 AL URD	7.16Y	119.3	0.02	5.66	6.96	4	48	12	97	0.01	0.0	6.280	0.073	4	1	1	7
PL.46426	PL.46715	C	1/0 AL URD	7.16Y	119.3	0.02	5.68	6.35	4	44	11	97	0.01	0.0	6.369	0.089	4	1	1	6
PL.46714	PL.46426	C	1/0 AL URD	7.16Y	119.3	0.01	5.68	5.75	3	40	10	97	0.00	0.0	6.405	0.036	16	4	2	5
PL.47038	PL.46714	C	1/0 AL URD	7.16Y	119.3	0.00	5.68	3.47	2	24	6	97	0.00	0.0	6.470	0.065	24	6	3	3
PL.46425	PL.47038	C	1/0 AL URD	7.16Y	119.3	0.00	5.68	0.00	0	0	0	100	0.00	0.0	6.472	0.001	0	0	0	0
PL.63571	PL.63568	C	1/0 AL URD	7.22Y	120.4	0.09	4.64	25.84	15	181	46	97	0.13	0.1	4.728	0.107	0	0	0	18
PL.63574	PL.63571	C	1/0 AL URD	7.22Y	120.4	0.01	4.64	25.84	15	181	46	97	0.01	0.0	4.735	0.006	3	1	1	18
PL.63575	PL.63574	C	1/0 AL URD	7.22Y	120.4	0.00	4.65	25.44	15	178	45	97	0.01	0.0	4.741	0.006	0	0	0	17
PL.63572	PL.63575	C	1/0 AL URD	7.21Y	120.2	0.12	4.76	25.44	15	178	45	97	0.17	0.1	4.888	0.148	0	0	0	17
PL.63573	PL.63572	C	1/0 AL URD	7.21Y	120.2	0.07	4.83	25.44	15	178	45	97	0.10	0.1	4.975	0.087	0	0	0	17
PL.47045	PL.63573	C	1/0 AL URD	7.21Y	120.1	0.08	4.92	25.44	15	178	45	97	0.12	0.1	5.079	0.104	0	0	0	17
PL.46374	PL.47045	C	1/0 AL URD	7.20Y	120.0	0.09	5.01	25.44	15	178	45	97	0.14	0.1	5.198	0.118	0	0	0	17
PL.46853	PL.46374	C	1/0 AL URD	7.20Y	120.0	0.00	5.01	0.00	0	0	0	100	0.00	0.0	5.199	0.002	0	0	0	0
PL.46844	PL.46374	C	1/0 AL URD	7.20Y	120.0	0.00	5.01	13.57	8	95	24	97	0.00	0.0	5.201	0.004	0	0	0	12
PL.45562	PL.46844	C	1/0 AL URD	7.20Y	120.0	0.04	5.05	13.57	8	95	24	97	0.03	0.0	5.287	0.086	0	0	0	12
PL.45567	PL.45562	C	1/0 AL URD	7.19Y	119.9	0.07	5.12	13.57	8	95	24	97	0.06	0.1	5.462	0.174	0	0	0	12
PL.47042	PL.45567	C	1/0 AL URD	7.19Y	119.8	0.04	5.16	13.57	8	95	24	97	0.03	0.0	5.569	0.108	9	2	1	12
PL.46218	PL.47042	C	1/0 AL URD	7.19Y	119.8	0.02	5.18	12.34	7	86	22	97	0.01	0.0	5.620	0.051	20	5	1	11
PL.46846	PL.46218	C	1/0 AL URD	7.19Y	119.8	0.02	5.20	9.50	6	66	17	97	0.01	0.0	5.674	0.053	0	0	0	10
PL.54692	PL.46846	C	1/0 AL URD	7.19Y	119.8	0.02	5.22	9.50	6	66	17	97	0.01	0.0	5.751	0.077	6	2	1	10
PL.54693	PL.54692	C	1/0 AL URD	7.19Y	119.8	0.01	5.24	8.60	5	60	15	97	0.01	0.0	5.812	0.061	10	3	1	9
PL.46371	PL.54693	C	1/0 AL URD	7.19Y	119.8	0.01	5.25	7.15	4	50	13	97	0.01	0.0	5.886	0.074	13	3	2	8
PL.46862	PL.46371	C	1/0 AL URD	7.18Y	119.7	0.01	5.26	5.28	3	37	9	97	0.00	0.0	5.951	0.065	10	2	2	6
PL.46863	PL.46862	C	1/0 AL URD	7.18Y	119.7	0.00	5.26	3.86	2	27	7	97	0.00	0.0	5.999	0.047	7	2	1	4
PL.46421	PL.46863	C	1/0 AL URD	7.18Y	119.7	0.01	5.27	2.79	2	19	5	97	0.00	0.0	6.079	0.081	2	1	1	3
PL.46422	PL.46421	C	1/0 AL URD	7.18Y	119.7	0.00	5.27	2.45	1	17	4	97	0.00	0.0	6.137	0.057	13	3	1	2
PL.46423	PL.46422	C	1/0 AL URD	7.18Y	119.7	0.00	5.27	0.58	0	4	1	97	0.00	0.0	6.193	0.057	4	1	1	1
PL.46424	PL.46423	C	1/0 AL URD	7.18Y	119.7	0.00	5.27	0.00	0	0	0	100	0.00	0.0	6.268	0.074	0	0	0	0
PL.46852	PL.46374	C	1/0 AL URD	7.19Y	119.9	0.09	5.10	11.87	7	83	21	97	0.06	0.1	5.449	0.251	0	0	0	5
PD.7269	PL.46852	C	25QA	7.19Y	119.9	0.00	5.10	11.87	47	83	21	97	0.00	0.0	5.449	0.251	0	0	0	5
PL.54841	PD.7269	C	1/0 AL URD	7.19Y	119.9	0.00	5.10	11.87	7	83	21	97	0.00	0.0	5.450	0.001	0	0	0	5

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.54840	PL.54841	C	1/0 AL URD	7.19Y	119.9	0.00	5.10	0.00	0	0	0	100	0.00	0.0	5.451	0.001	0	0	0	0
PD.7246	PL.54840	C	25QA	7.19Y	119.9	0.00	5.10	0.00	0	0	0	100	0.00	0.0	5.451	0.001	0	0	0	0
PL.46602	PD.7246	C	1/0 AL URD	7.19Y	119.9	0.00	5.10	0.00	0	0	0	100	0.00	0.0	5.685	0.234	0	0	0	0
PL.54842	PL.54841	C	6 A (CWC)	7.19Y	119.9	0.00	5.10	11.87	8	83	21	97	0.00	0.0	5.451	0.001	23	6	1	5
PL.54843	PL.54842	C	6 A (CWC)	7.19Y	119.8	0.08	5.19	8.52	6	59	15	97	0.04	0.1	5.664	0.212	0	0	0	4
PL.57575	PL.54843	C	#4 ACSR	7.19Y	119.8	0.01	5.20	4.04	3	28	7	97	0.00	0.0	5.720	0.056	0	0	0	1
PL.57576	PL.57575	C	1/0 AL URD	7.19Y	119.8	0.00	5.20	4.04	2	28	7	97	0.00	0.0	5.761	0.041	28	7	1	1
PL.54839	PL.54843	C	6 A (CWC)	7.19Y	119.8	0.01	5.19	4.48	3	31	8	97	0.00	0.0	5.730	0.066	24	6	1	3
PL.54762	PL.54839	C	6 A (CWC)	7.19Y	119.8	0.01	5.20	1.06	1	7	2	96	0.00	0.0	5.863	0.133	3	1	1	2
PL.54454	PL.54762	C	6 A (CWC)	7.19Y	119.8	0.00	5.20	0.66	0	5	1	98	0.00	0.0	5.929	0.066	5	1	1	1
PL.45565	PL.47196	A	1/0 AL URD	7.24Y	120.7	0.01	4.34	10.52	6	74	19	97	0.00	0.0	4.181	0.019	11	3	1	6
PL.46222	PL.45565	A	1/0 AL URD	7.24Y	120.6	0.01	4.36	9.01	5	63	16	97	0.01	0.0	4.228	0.047	0	0	0	5
PL.47036	PL.46222	A	1/0 AL URD	7.24Y	120.6	0.01	4.37	9.01	5	63	16	97	0.01	0.0	4.269	0.041	0	0	0	5
PL.46535	PL.47036	A	1/0 AL URD	7.24Y	120.6	0.02	4.38	9.01	5	63	16	97	0.01	0.0	4.325	0.056	0	0	0	5
PL.46636	PL.46535	A	1/0 AL URD	7.24Y	120.6	0.01	4.40	9.01	5	63	16	97	0.00	0.0	4.367	0.042	18	4	1	5
PL.46637	PL.46636	A	1/0 AL URD	7.24Y	120.6	0.01	4.41	6.49	4	46	11	97	0.00	0.0	4.419	0.051	0	0	0	4
PL.46537	PL.46637	A	1/0 AL URD	7.24Y	120.6	0.01	4.41	6.49	4	46	11	97	0.00	0.0	4.455	0.036	0	0	0	4
PL.45564	PL.46537	A	1/0 AL URD	7.23Y	120.6	0.01	4.42	6.49	4	46	11	97	0.00	0.0	4.491	0.037	17	4	2	4
PL.47040	PL.45564	A	1/0 AL URD	7.23Y	120.6	0.00	4.42	4.05	2	28	7	97	0.00	0.0	4.533	0.042	13	3	1	2
PL.47041	PL.47040	A	1/0 AL URD	7.23Y	120.6	0.00	4.43	2.26	1	16	4	97	0.00	0.0	4.591	0.058	0	0	0	1
PL.46545	PL.47041	A	1/0 AL URD	7.23Y	120.6	0.00	4.43	2.26	1	16	4	97	0.00	0.0	4.630	0.038	0	0	0	1
PL.46546	PL.46545	A	1/0 AL URD	7.23Y	120.6	0.00	4.43	2.26	1	16	4	97	0.00	0.0	4.705	0.076	16	4	1	1
PL.46548	PL.46546	A	1/0 AL URD	7.23Y	120.6	0.00	4.43	0.00	0	0	0	100	0.00	0.0	4.707	0.002	0	0	0	0
PL.45984	PL.58759	B	1/0 AL URD	7.25Y	120.8	0.00	4.23	0.00	0	0	0	100	0.00	0.0	4.043	0.056	0	0	0	0
PL.46551	PL.58759	A	1/0 AL URD	7.25Y	120.8	0.02	4.24	16.56	10	116	29	97	0.02	0.0	4.021	0.034	0	0	0	14
PL.54836	PL.46551	A	1/0 AL URD	7.24Y	120.7	0.03	4.28	16.56	10	116	29	97	0.03	0.0	4.088	0.067	16	4	1	14
PL.54837	PL.54836	A	1/0 AL URD	7.24Y	120.7	0.03	4.31	14.26	8	100	25	97	0.02	0.0	4.166	0.077	16	4	1	13
PL.54838	PL.54837	A	1/0 AL URD	7.24Y	120.7	0.01	4.32	12.04	7	85	21	97	0.00	0.0	4.190	0.024	25	6	4	12
PL.46768	PL.54838	A	1/0 AL URD	7.24Y	120.7	0.01	4.33	8.50	5	60	15	97	0.01	0.0	4.249	0.059	7	2	1	8
PL.46769	PL.46768	A	1/0 AL URD	7.24Y	120.7	0.01	4.34	7.49	4	53	13	97	0.01	0.0	4.305	0.056	5	1	1	7
PL.46639	PL.46769	A	1/0 AL URD	7.24Y	120.7	0.01	4.35	6.83	4	48	12	97	0.00	0.0	4.333	0.029	10	2	1	6

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.46640	PL.46639	A	1/0 AL URD	7.24Y	120.6	0.01	4.36	5.45	3	38	10	97	0.00	0.0	4.385	0.051	12	3	1	5
PL.47044	PL.46640	A	1/0 AL URD	7.24Y	120.6	0.00	4.36	3.78	2	27	7	97	0.00	0.0	4.424	0.039	13	3	2	4
PL.45566	PL.47044	A	1/0 AL URD	7.24Y	120.6	0.00	4.36	1.87	1	13	3	97	0.00	0.0	4.511	0.087	13	3	2	2
PL.46717	PL.45566	A	1/0 AL URD	7.24Y	120.6	0.00	4.36	0.00	0	0	0	100	0.00	0.0	4.512	0.001	0	0	0	0
PL.46540	PL.46539	C	1/0 AL URD	7.28Y	121.4	0.00	3.64	0.62	0	4	1	97	0.00	0.0	3.107	0.000	0	0	0	1
PD.7217	PL.46540	C	20T	7.28Y	121.4	0.00	3.64	0.62	0	4	1	97	0.00	0.0	3.107	0.000	0	0	0	1
PL.46644	PD.7217	C	1/0 AL URD	7.28Y	121.4	0.00	3.65	0.62	0	4	1	97	0.00	0.0	3.187	0.080	4	1	1	1
PL.64673	PL.52673	ABC	336 MCM AC	7.28Y	121.3	0.08	3.70	43.08	8	912	233	97	0.38	0.0	3.311	0.244	0	0	0	100
PL.72971	PL.64673	A	1/0 AL URD	7.28Y	121.3	0.00	3.70	0.27	0	2	0	100	0.00	0.0	3.385	0.074	2	0	1	1
PL.64674	PL.64673	ABC	336 MCM AC	7.27Y	121.2	0.05	3.76	42.99	8	910	231	97	0.27	0.0	3.484	0.172	0	0	0	99
PL.53847	PL.64674	ABC	336 MCM AC	7.27Y	121.2	0.02	3.78	42.99	8	909	231	97	0.11	0.0	3.554	0.071	0	0	0	99
PL.46649	PL.53847	ABC	336 MCM AC	7.27Y	121.2	0.05	3.83	38.77	7	820	208	97	0.23	0.0	3.739	0.185	0	0	0	91
PL.46650	PL.46649	A	#2 ACSR	7.27Y	121.2	0.00	3.83	1.78	1	13	3	97	0.00	0.0	3.740	0.001	0	0	0	1
PD.7283	PL.46650	A	50T	7.27Y	121.2	0.00	3.83	1.78	0	13	3	97	0.00	0.0	3.740	0.001	0	0	0	1
PL.46651	PD.7283	A	#2 ACSR	7.27Y	121.2	0.00	3.83	1.78	1	13	3	97	0.00	0.0	3.817	0.077	13	3	1	1
PL.46520	PL.46649	ABC	336 MCM AC	7.27Y	121.1	0.03	3.86	38.18	7	807	204	97	0.12	0.0	3.839	0.100	0	0	0	90
PL.57811	PL.46520	ABC	336 MCM AC	7.27Y	121.1	0.02	3.88	36.07	7	763	193	97	0.08	0.0	3.909	0.070	0	0	0	86
PL.57813	PL.57811	ABC	336 MCM AC	7.27Y	121.1	0.01	3.89	34.67	7	733	185	97	0.04	0.0	3.948	0.039	0	0	0	84
PD.8414-A	PL.57813	B	Closed	7.27Y	121.1	0.00	3.89	104.00	0	733	185	97	0.00	0.0	3.948	0.039	0	0	0	84
PD.8414-B	PD.8414-A	B	Closed	7.27Y	121.1	0.00	3.89	104.00	0	733	185	97	0.00	0.0	3.948	0.039	0	0	0	84
PL.57814	PD.8414-B	B	6 A (CWC)	7.27Y	121.1	0.02	3.91	104.00	74	733	185	97	0.11	0.0	3.952	0.004	0	0	0	84
PL.57815	PL.57814	B	6 A (CWC)	7.27Y	121.1	0.01	3.91	38.93	28	274	69	97	0.02	0.0	3.957	0.005	0	0	0	28
PD.8415-A	PL.57815	B	Closed	7.27Y	121.1	0.00	3.91	38.93	0	274	69	97	0.00	0.0	3.957	0.005	0	0	0	28
PD.8415-B	PD.8415-A	B	Closed	7.27Y	121.1	0.00	3.91	38.93	0	274	69	97	0.00	0.0	3.957	0.005	0	0	0	28
PL.59498	PD.8415-B	B	6 A (CWC)	7.26Y	121.0	0.07	3.98	38.93	28	274	69	97	0.14	0.1	3.996	0.039	8	2	1	28
PL.59499	PL.59498	B	6 A (CWC)	7.26Y	121.0	0.00	3.98	6.92	5	49	12	97	0.00	0.0	3.999	0.003	0	0	0	7
PD.8783	PL.59499	B	40T	7.26Y	121.0	0.00	3.98	6.92	0	49	12	97	0.00	0.0	3.999	0.003	0	0	0	7
PL.59496	PD.8783	B	6 A (CWC)	7.26Y	121.0	0.02	4.00	6.92	5	49	12	97	0.01	0.0	4.065	0.066	2	1	1	7
PL.59495	PL.59496	B	#2 ACSR	7.26Y	121.0	0.00	4.00	2.52	1	18	4	98	0.00	0.0	4.076	0.010	16	4	2	3
PL.53225	PL.59495	B	#2 ACSR	7.26Y	121.0	0.00	4.00	0.22	0	2	0	100	0.00	0.0	4.131	0.055	2	0	1	1
PL.59494	PL.59496	B	6 A (CWC)	7.26Y	121.0	0.01	4.01	4.11	3	29	7	97	0.00	0.0	4.119	0.054	29	7	3	3

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.59497	PL.59498	B	#2 ACSR	7.26Y	121.0	0.06	4.05	30.82	18	217	55	97	0.10	0.0	4.063	0.067	0	0	0	20
PL.59500	PL.59497	B	#2 ACSR	7.26Y	121.0	0.00	4.05	30.82	18	217	55	97	0.01	0.0	4.066	0.003	0	0	0	20
PD.8784	PL.59500	B	50T	7.26Y	121.0	0.00	4.05	30.82	0	217	55	97	0.00	0.0	4.066	0.003	0	0	0	20
PL.59501	PD.8784	B	#2 ACSR	7.25Y	120.9	0.06	4.11	30.82	18	217	55	97	0.09	0.0	4.127	0.061	0	0	0	20
PL.46358	PL.59501	B	#2 ACSR	7.25Y	120.8	0.09	4.20	27.44	16	193	49	97	0.13	0.1	4.231	0.104	0	0	0	19
PL.45942	PL.46358	B	#2 ACSR	7.25Y	120.8	0.04	4.23	26.00	15	183	46	97	0.05	0.0	4.275	0.044	0	0	0	18
PL.46208	PL.45942	B	#2 ACSR	7.24Y	120.7	0.03	4.26	23.39	13	164	41	97	0.04	0.0	4.316	0.041	1	0	1	17
PL.46209	PL.46208	B	#2 ACSR	7.24Y	120.7	0.02	4.29	23.25	13	163	41	97	0.03	0.0	4.348	0.032	0	0	0	16
PL.53558	PL.46209	B	#2 ACSR	7.24Y	120.7	0.00	4.29	0.00	0	0	0	100	0.00	0.0	4.379	0.031	0	0	0	0
PL.53559	PL.46209	B	#2 ACSR	7.24Y	120.7	0.03	4.32	23.25	13	163	41	97	0.04	0.0	4.393	0.045	16	4	1	16
PL.53560	PL.53559	B	#2 ACSR	7.24Y	120.6	0.06	4.38	19.90	11	140	35	97	0.06	0.0	4.488	0.095	0	0	0	14
PL.45209	PL.53560	B	#2 ACSR	7.24Y	120.6	0.02	4.39	16.58	9	116	29	97	0.02	0.0	4.524	0.036	0	0	0	12
PL.59507	PL.45209	B	#2 ACSR	7.24Y	120.6	0.00	4.39	2.79	2	20	5	97	0.00	0.0	4.527	0.003	0	0	0	2
PD.8788	PL.59507	B	20T	7.24Y	120.6	0.00	4.39	2.79	0	20	5	97	0.00	0.0	4.527	0.003	0	0	0	2
PL.59511	PD.8788	B	#2 ACSR	7.24Y	120.6	0.00	4.40	2.79	2	20	5	97	0.00	0.0	4.573	0.046	20	5	2	2
PL.59508	PL.45209	B	#2 ACSR	7.23Y	120.6	0.02	4.42	13.79	8	97	24	97	0.02	0.0	4.585	0.062	11	3	1	10
PL.59509	PL.59508	B	#2 ACSR	7.23Y	120.6	0.02	4.44	10.77	6	76	19	97	0.01	0.0	4.641	0.055	0	0	0	8
PL.45929	PL.59509	B	#2 ACSR	7.23Y	120.6	0.01	4.45	7.51	4	53	13	97	0.00	0.0	4.679	0.038	0	0	0	5
PL.59515	PL.45929	B	#2 ACSR	7.23Y	120.6	0.00	4.45	0.35	0	2	1	89	0.00	0.0	4.683	0.004	0	0	0	1
PD.8790	PL.59515	B	20T	7.23Y	120.6	0.00	4.45	0.35	0	2	1	89	0.00	0.0	4.683	0.004	0	0	0	1
PL.59516	PD.8790	B	#2 ACSR	7.23Y	120.6	0.00	4.45	0.35	0	2	1	89	0.00	0.0	4.718	0.035	2	1	1	1
PL.46391	PL.45929	B	#2 ACSR	7.23Y	120.5	0.01	4.46	7.16	4	50	13	97	0.00	0.0	4.738	0.059	0	0	0	4
PL.57656	PL.46391	B	#2 ACSR	7.23Y	120.5	0.01	4.47	1.29	1	9	2	98	0.00	0.0	5.032	0.294	9	2	1	1
PL.57657	PL.57656	B	#2 ACSR	7.23Y	120.5	0.00	4.47	0.00	0	0	0	100	0.00	0.0	5.081	0.049	0	0	0	0
PD.8463-A	PL.57657	B	Open	7.23Y	120.5	0.00	4.47	0.00	0	0	0	100	0.00	0.0	5.081	0.049	0	0	0	0
PL.57801	PL.46391	B	#2 ACSR	7.23Y	120.5	0.00	4.46	5.87	3	41	10	97	0.00	0.0	4.738	0.000	0	0	0	3
PD.8410	PL.57801	B	20T	7.23Y	120.5	0.00	4.46	5.87	0	41	10	97	0.00	0.0	4.738	0.000	0	0	0	3
PL.57802	PD.8410	B	#2 ACSR	7.23Y	120.5	0.00	4.46	5.87	3	41	10	97	0.00	0.0	4.739	0.000	0	0	0	3
PL.57800	PL.57802	B	#2 ACSR	7.23Y	120.5	0.00	4.46	1.29	1	9	2	98	0.00	0.0	4.812	0.073	9	2	1	1
PL.57799	PL.57802	B	#2 ACSR	7.23Y	120.5	0.00	4.46	4.58	3	32	8	97	0.00	0.0	4.765	0.027	18	4	1	2
PL.64672	PL.57799	B	#2 ACSR	7.23Y	120.5	0.00	4.46	2.06	1	14	4	96	0.00	0.0	4.782	0.017	14	4	1	1

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

Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.59513	PL.59509	B	#2 ACSR	7.23Y	120.6	0.00	4.44	3.27	2	23	6	97	0.00	0.0	4.644	0.003	0	0	0	3
PD.8789	PL.59513	B	20T	7.23Y	120.6	0.00	4.44	3.27	0	23	6	97	0.00	0.0	4.644	0.003	0	0	0	3
PL.59514	PD.8789	B	#2 ACSR	7.23Y	120.6	0.00	4.44	3.27	2	23	6	97	0.00	0.0	4.675	0.030	23	6	3	3
PL.59510	PL.59508	B	#1/0 ACSR	7.23Y	120.6	0.00	4.42	1.47	1	10	3	96	0.00	0.0	4.654	0.069	10	3	1	1
PL.59504	PL.53560	B	#2 ACSR	7.24Y	120.6	0.00	4.38	1.97	1	14	3	98	0.00	0.0	4.492	0.003	0	0	0	1
PD.8786	PL.59504	B	20T	7.24Y	120.6	0.00	4.38	1.97	0	14	3	98	0.00	0.0	4.492	0.003	0	0	0	1
PL.59512	PD.8786	B	#2 ACSR	7.24Y	120.6	0.00	4.38	1.97	1	14	3	98	0.00	0.0	4.524	0.033	14	3	1	1
PL.59505	PL.53560	B	#2 ACSR	7.24Y	120.6	0.00	4.38	1.34	1	9	2	98	0.00	0.0	4.492	0.004	0	0	0	1
PD.8787	PL.59505	B	20T	7.24Y	120.6	0.00	4.38	1.34	0	9	2	98	0.00	0.0	4.492	0.004	0	0	0	1
PL.59506	PD.8787	B	#2 ACSR	7.24Y	120.6	0.00	4.38	1.34	1	9	2	98	0.00	0.0	4.585	0.093	9	2	1	1
PL.53561	PL.53559	B	#2 ACSR	7.24Y	120.7	0.00	4.32	1.06	1	7	2	96	0.00	0.0	4.439	0.046	7	2	1	1
PL.59502	PL.45942	B	#2 ACSR	7.25Y	120.8	0.00	4.23	2.62	1	18	5	96	0.00	0.0	4.279	0.003	0	0	0	1
PD.8785	PL.59502	B	25T	7.25Y	120.8	0.00	4.23	2.62	0	18	5	96	0.00	0.0	4.279	0.003	0	0	0	1
PL.59503	PD.8785	B	#2 ACSR	7.25Y	120.8	0.00	4.24	2.62	1	18	5	96	0.00	0.0	4.329	0.051	18	5	1	1
PL.46359	PL.46358	B	#2 ACSR	7.25Y	120.8	0.00	4.20	1.43	1	10	3	96	0.00	0.0	4.232	0.001	0	0	0	1
PD.7265	PL.46359	B	25T	7.25Y	120.8	0.00	4.20	1.43	0	10	3	96	0.00	0.0	4.232	0.001	0	0	0	1
PL.46360	PD.7265	B	#2 ACSR	7.25Y	120.8	0.00	4.20	1.43	1	10	3	96	0.00	0.0	4.275	0.042	10	3	1	1
PL.53725	PL.59501	B	#2 ACSR	7.25Y	120.9	0.00	4.11	3.38	2	24	6	97	0.00	0.0	4.166	0.039	24	6	1	1
PL.57810	PL.57814	B	6 A (CWC)	7.26Y	120.9	0.15	4.05	62.25	44	438	111	97	0.49	0.1	4.004	0.052	0	0	0	54
PL.59527	PL.57810	B	6 A (CWC)	7.26Y	120.9	0.01	4.06	57.95	41	408	103	97	0.02	0.0	4.007	0.003	0	0	0	53
PD.8792	PL.59527	B	140CodeSMo	7.26Y	120.9	0.00	4.06	57.95	0	408	103	97	0.00	0.0	4.007	0.003	0	0	0	53
PL.59529	PD.8792	B	6 A (CWC)	7.26Y	120.9	0.01	4.07	57.95	41	408	103	97	0.04	0.0	4.012	0.005	11	3	2	53
PL.59528	PL.59529	B	6 A (CWC)	7.25Y	120.8	0.12	4.19	52.97	38	373	94	97	0.33	0.1	4.064	0.052	28	7	3	48
PL.59523	PL.59528	B	6 A (CWC)	7.24Y	120.7	0.11	4.31	41.32	30	290	73	97	0.24	0.1	4.126	0.062	18	5	2	40
PL.58921	PL.59523	B	6 A (CWC)	7.24Y	120.6	0.05	4.36	32.24	23	226	57	97	0.09	0.0	4.163	0.037	15	4	1	29
PL.61835	PL.58921	B	6 A (CWC)	7.23Y	120.5	0.12	4.48	28.49	20	200	50	97	0.18	0.1	4.264	0.101	29	7	5	25
PL.61836	PL.61835	B	#1/0 ACSR	7.23Y	120.5	0.00	4.48	13.45	6	94	24	97	0.00	0.0	4.264	0.000	0	0	0	12
PD.9321	PL.61836	B	25T	7.23Y	120.5	0.00	4.48	13.45	0	94	24	97	0.00	0.0	4.264	0.000	0	0	0	12
PL.61837	PD.9321	B	#1/0 ACSR	7.23Y	120.5	0.00	4.48	13.45	6	94	24	97	0.00	0.0	4.265	0.000	0	0	0	12
PL.61833	PL.61837	B	#1/0 ACSR	7.23Y	120.5	0.00	4.48	2.91	1	20	5	97	0.00	0.0	4.313	0.048	12	3	1	3
PL.61834	PL.61833	B	#1/0 ACSR	7.23Y	120.5	0.00	4.48	1.22	1	9	2	98	0.00	0.0	4.400	0.087	9	2	2	2

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.61832	PL.61837	B	#2 ACSR	7.23Y	120.5	0.01	4.49	10.53	6	74	19	97	0.00	0.0	4.296	0.031	24	6	3	9
PL.53573	PL.61832	B	#2 ACSR	7.23Y	120.5	0.00	4.49	7.05	4	49	12	97	0.00	0.0	4.314	0.018	49	12	6	6
PL.58923	PL.61835	B	6 A (CWC)	7.23Y	120.5	0.00	4.48	10.89	8	76	19	97	0.00	0.0	4.269	0.005	0	0	0	8
PD.8752	PL.58923	B	25T	7.23Y	120.5	0.00	4.48	10.89	0	76	19	97	0.00	0.0	4.269	0.005	0	0	0	8
PL.58922	PD.8752	B	6 A (CWC)	7.23Y	120.5	0.04	4.52	10.89	8	76	19	97	0.02	0.0	4.351	0.082	0	0	0	8
PL.63629	PL.58922	B	6 A (CWC)	7.23Y	120.5	0.02	4.54	5.80	4	41	10	97	0.00	0.0	4.417	0.066	9	2	1	4
PL.63630	PL.63629	B	6 A (CWC)	7.23Y	120.5	0.00	4.54	4.46	3	31	8	97	0.00	0.0	4.417	0.000	0	0	0	3
PL.46400	PL.63630	B	6 A (CWC)	7.23Y	120.5	0.01	4.54	4.46	3	31	8	97	0.00	0.0	4.444	0.027	0	0	0	3
PL.46402	PL.46400	B	#4 ACSR	7.23Y	120.5	0.00	4.55	1.59	1	11	3	96	0.00	0.0	4.475	0.031	0	0	1	2
PL.46403	PL.46402	B	#4 ACSR	7.23Y	120.5	0.00	4.55	1.59	1	11	3	96	0.00	0.0	4.506	0.031	11	3	1	1
PL.46401	PL.46400	B	#4 ACSR	7.23Y	120.5	0.00	4.55	2.87	2	20	5	97	0.00	0.0	4.496	0.052	20	5	1	1
PL.57798	PL.58922	B	6 A (CWC)	7.23Y	120.5	0.01	4.53	5.08	4	36	9	97	0.00	0.0	4.391	0.040	12	3	2	4
PL.46043	PL.57798	B	6 A (CWC)	7.23Y	120.5	0.00	4.53	1.68	1	12	3	97	0.00	0.0	4.462	0.071	12	3	1	1
PL.46411	PL.57798	B	#4 ACSR	7.23Y	120.5	0.00	4.53	1.64	1	11	3	96	0.00	0.0	4.492	0.101	11	3	1	1
PL.46412	PL.46411	B	#4 ACSR	7.23Y	120.5	0.00	4.53	0.00	0	0	0	100	0.00	0.0	4.528	0.036	0	0	0	0
PL.58920	PL.58921	B	#4 ACSR	7.24Y	120.6	0.00	4.36	1.64	1	12	3	97	0.00	0.0	4.254	0.091	12	3	3	3
PL.57796	PL.59523	B	6 A (CWC)	7.24Y	120.7	0.00	4.31	4.20	3	29	7	97	0.00	0.0	4.129	0.004	0	0	0	5
PD.8409	PL.57796	B	25T	7.24Y	120.7	0.00	4.31	4.20	0	29	7	97	0.00	0.0	4.129	0.004	0	0	0	5
PL.57797	PD.8409	B	6 A (CWC)	7.24Y	120.7	0.01	4.32	4.20	3	29	7	97	0.00	0.0	4.208	0.078	6	2	3	5
PL.53567	PL.57797	B	6 A (CWC)	7.24Y	120.7	0.01	4.33	3.27	2	23	6	97	0.00	0.0	4.291	0.083	6	1	1	2
PL.46427	PL.53567	B	6 A (CWC)	7.24Y	120.7	0.00	4.34	2.48	2	17	4	97	0.00	0.0	4.374	0.083	17	4	1	1
PL.57794	PL.59523	B	6 A (CWC)	7.24Y	120.7	0.00	4.31	2.29	2	16	4	97	0.00	0.0	4.130	0.004	0	0	0	4
PD.8408	PL.57794	B	25T	7.24Y	120.7	0.00	4.31	2.29	0	16	4	97	0.00	0.0	4.130	0.004	0	0	0	4
PL.57795	PD.8408	B	6 A (CWC)	7.24Y	120.7	0.00	4.31	2.29	2	16	4	97	0.00	0.0	4.153	0.023	16	4	4	4
PL.59522	PL.59528	B	6 A (CWC)	7.25Y	120.8	0.01	4.20	7.73	6	54	14	97	0.00	0.0	4.108	0.044	44	11	4	5
PL.53655	PL.59522	B	6 A (CWC)	7.25Y	120.8	0.00	4.20	1.49	1	10	3	96	0.00	0.0	4.149	0.042	10	3	1	1
PL.59530	PL.59529	B	#4 ACSR	7.26Y	120.9	0.00	4.07	3.38	3	24	6	97	0.00	0.0	4.015	0.003	0	0	0	3
PD.8793	PL.59530	B	15T	7.26Y	120.9	0.00	4.07	3.38	0	24	6	97	0.00	0.0	4.015	0.003	0	0	0	3
PL.59531	PD.8793	B	#4 ACSR	7.26Y	120.9	0.01	4.08	3.38	3	24	6	97	0.00	0.0	4.060	0.045	12	3	2	3
PL.59524	PL.59531	B	#4 ACSR	7.26Y	120.9	0.00	4.08	1.69	1	12	3	97	0.00	0.0	4.113	0.053	12	3	1	1
PL.59525	PL.57810	B	6 A (CWC)	7.26Y	120.9	0.00	4.05	4.30	3	30	8	97	0.00	0.0	4.007	0.003	0	0	0	1

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.8791	PL.59525	B	50T	7.26Y	120.9	0.00	4.05	4.30	0	30	8	97	0.00	0.0	4.007	0.003	0	0	0	1
PL.59526	PD.8791	B	6 A (CWC)	7.26Y	120.9	0.01	4.06	4.30	3	30	8	97	0.00	0.0	4.134	0.127	30	8	1	1
PL.53197	PL.57814	B	#1/0 ACSR	7.27Y	121.1	0.00	3.91	2.82	1	20	5	97	0.00	0.0	3.968	0.015	3	1	1	2
PL.53198	PL.53197	B	#1/0 ACSR	7.27Y	121.1	0.00	3.91	2.37	1	17	4	97	0.00	0.0	3.983	0.015	0	0	0	1
PL.53645	PL.53198	B	1/0 AL URD	7.27Y	121.1	0.00	3.91	2.37	1	17	4	97	0.00	0.0	4.007	0.025	17	4	1	1
PL.57812	PL.57811	B	#2 ACSR	7.27Y	121.1	0.00	3.88	4.22	2	30	7	97	0.00	0.0	3.909	0.001	0	0	0	2
PD.7203	PL.57812	B	50T	7.27Y	121.1	0.00	3.88	4.22	0	30	7	97	0.00	0.0	3.909	0.001	0	0	0	2
PL.53577	PD.7203	B	#2 ACSR	7.27Y	121.1	0.00	3.88	4.22	2	30	7	97	0.00	0.0	3.916	0.007	13	3	1	2
PL.53576	PL.53577	B	#2 ACSR	7.27Y	121.1	0.00	3.88	2.41	1	17	4	97	0.00	0.0	4.018	0.102	17	4	1	1
PL.46982	PL.46520	C	#2 ACSR	7.27Y	121.1	0.00	3.86	4.85	3	34	9	97	0.00	0.0	3.839	0.001	0	0	0	3
PD.7204	PL.46982	C	50T	7.27Y	121.1	0.00	3.86	4.85	0	34	9	97	0.00	0.0	3.839	0.001	0	0	0	3
PL.46983	PD.7204	C	#2 ACSR	7.27Y	121.1	0.00	3.86	4.85	3	34	9	97	0.00	0.0	3.863	0.024	34	9	3	3
PL.46521	PL.46520	A	#2 ACSR	7.27Y	121.1	0.00	3.86	1.48	1	10	3	96	0.00	0.0	3.839	0.001	0	0	0	1
PD.7264	PL.46521	A	50T	7.27Y	121.1	0.00	3.86	1.48	0	10	3	96	0.00	0.0	3.839	0.001	0	0	0	1
PL.46981	PD.7264	A	#2 ACSR	7.27Y	121.1	0.00	3.86	1.48	1	10	3	96	0.00	0.0	3.977	0.138	10	3	1	1
PL.46645	PL.53847	C	#2 ACSR	7.27Y	121.2	0.00	3.78	3.81	2	27	7	97	0.00	0.0	3.555	0.000	0	0	0	3
PD.7205	PL.46645	C	50T	7.27Y	121.2	0.00	3.78	3.81	0	27	7	97	0.00	0.0	3.555	0.000	0	0	0	3
PL.46648	PD.7205	C	#2 ACSR	7.27Y	121.2	0.01	3.78	3.81	2	27	7	97	0.00	0.0	3.624	0.070	18	5	1	3
PL.53195	PL.46648	C	#2 ACSR	7.27Y	121.2	0.00	3.79	1.22	1	9	2	98	0.00	0.0	3.720	0.095	1	0	1	2
PL.53196	PL.53195	C	#2 ACSR	7.27Y	121.2	0.00	3.79	1.03	1	7	2	96	0.00	0.0	3.790	0.070	7	2	1	1
PL.53194	PL.53196	C	#2 ACSR	7.27Y	121.2	0.00	3.79	0.00	0	0	0	100	0.00	0.0	3.809	0.019	0	0	0	0
PL.46646	PL.53847	C	#2 ACSR	7.27Y	121.2	0.00	3.78	8.85	5	62	16	97	0.00	0.0	3.555	0.000	0	0	0	5
PD.7206	PL.46646	C	50T	7.27Y	121.2	0.00	3.78	8.85	0	62	16	97	0.00	0.0	3.555	0.000	0	0	0	5
PL.46647	PD.7206	C	#2 ACSR	7.27Y	121.2	0.01	3.79	8.85	5	62	16	97	0.01	0.0	3.594	0.040	0	0	0	5
PL.46598	PL.46647	C	#2 ACSR	7.27Y	121.2	0.01	3.80	3.00	2	21	5	97	0.00	0.0	3.768	0.174	8	2	1	3
PL.46599	PL.46598	C	#2 ACSR	7.27Y	121.2	0.00	3.80	1.93	1	14	3	98	0.00	0.0	3.801	0.033	10	2	1	2
PL.46597	PL.46599	C	#2 ACSR	7.27Y	121.2	0.00	3.81	0.52	0	4	1	97	0.00	0.0	3.853	0.051	4	1	1	1
PL.53721	PL.46647	C	#2 ACSR	7.27Y	121.2	0.00	3.79	5.85	3	41	10	97	0.00	0.0	3.636	0.041	41	10	2	2
CP.72	PL.54699	ABC	Cap (300)	7.29Y	121.4	0.00	3.58	0.00	0	0	0	100	0.00	0.0	3.007	0.041	0	0	0	0
PL.59517	PL.59518	C	#4 ACSR	7.30Y	121.7	0.00	3.27	30.09	23	213	54	97	0.00	0.0	2.592	0.001	0	0	0	21
PD.7218	PL.59517	C	65T	7.30Y	121.7	0.00	3.27	30.09	0	213	54	97	0.00	0.0	2.592	0.001	0	0	0	21

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.47021	PD.7218	C	#4 ACSR	7.30Y	121.7	0.05	3.32	30.09	23	213	54	97	0.09	0.0	2.634	0.042	15	4	2	21
PL.46652	PL.47021	C	#4 ACSR	7.30Y	121.6	0.08	3.40	28.04	22	198	50	97	0.12	0.1	2.700	0.066	10	2	1	19
PL.46653	PL.46652	C	#4 ACSR	7.29Y	121.5	0.14	3.54	26.65	20	189	48	97	0.20	0.1	2.824	0.123	10	2	1	18
PL.46365	PL.46653	C	6 A (CWC)	7.29Y	121.5	0.00	3.54	25.30	18	179	45	97	0.00	0.0	2.824	0.000	0	0	0	17
PD.7308-A	PL.46365	C	Closed	7.29Y	121.5	0.00	3.54	25.30	0	179	45	97	0.00	0.0	2.824	0.000	0	0	0	17
PD.7308-B	PD.7308-A	C	Closed	7.29Y	121.5	0.00	3.54	25.30	0	179	45	97	0.00	0.0	2.824	0.000	0	0	0	17
PL.46513	PD.7308-B	C	6 A (CWC)	7.28Y	121.4	0.06	3.60	25.30	18	179	45	97	0.08	0.0	2.877	0.053	13	3	1	17
PL.46366	PL.46513	C	6 A (CWC)	7.28Y	121.4	0.03	3.63	23.53	17	166	42	97	0.03	0.0	2.901	0.024	0	0	0	16
PL.46367	PL.46366	C	6 A (CWC)	7.28Y	121.3	0.06	3.69	23.53	17	166	42	97	0.07	0.0	2.961	0.060	18	4	2	16
PL.46486	PL.46367	C	6 A (CWC)	7.28Y	121.3	0.03	3.72	15.49	11	109	28	97	0.03	0.0	3.012	0.051	11	3	2	11
PL.46859	PL.46486	C	#4 ACSR	7.28Y	121.3	0.00	3.72	1.30	1	9	2	98	0.00	0.0	3.038	0.026	9	2	1	1
PL.46487	PL.46486	C	6 A (CWC)	7.28Y	121.3	0.01	3.73	7.90	6	56	14	97	0.01	0.0	3.052	0.040	11	3	1	6
PL.46345	PL.46487	C	6 A (CWC)	7.28Y	121.3	0.00	3.74	1.47	1	10	3	96	0.00	0.0	3.093	0.041	10	3	1	1
PL.53747	PL.46487	C	6 A (CWC)	7.27Y	121.2	0.02	3.75	4.85	3	34	9	97	0.00	0.0	3.128	0.076	1	0	1	4
PL.53748	PL.53747	C	6 A (CWC)	7.27Y	121.2	0.00	3.75	0.07	0	1	0	100	0.00	0.0	3.177	0.049	1	0	1	1
PL.53746	PL.53747	C	#4 ACSR	7.27Y	121.2	0.01	3.76	4.68	4	33	8	97	0.00	0.0	3.192	0.065	33	8	2	2
PL.53749	PL.46486	C	#4 ACSR	7.28Y	121.3	0.01	3.73	4.78	4	34	8	97	0.00	0.0	3.061	0.049	34	8	2	2
PL.46368	PL.46367	C	6 A (CWC)	7.28Y	121.3	0.01	3.69	5.54	4	39	10	97	0.00	0.0	2.985	0.024	0	0	0	3
PL.46369	PL.46368	C	6 A (CWC)	7.28Y	121.3	0.01	3.70	5.54	4	39	10	97	0.00	0.0	3.038	0.053	24	6	2	3
PL.46370	PL.46369	C	6 A (CWC)	7.28Y	121.3	0.00	3.70	2.12	2	15	4	97	0.00	0.0	3.053	0.015	0	0	0	1
PL.46534	PL.46370	C	1/0 AL URD	7.28Y	121.3	0.00	3.71	2.12	1	15	4	97	0.00	0.0	3.109	0.056	15	4	1	1
PL.46821	PL.46368	C	#1/0 ACSR	7.28Y	121.3	0.00	3.69	0.00	0	0	0	100	0.00	0.0	3.000	0.015	0	0	0	0
PL.72966	PL.72965	ABC	336 MCM AC	7.33Y	122.1	0.09	2.87	62.75	12	1332	361	97	0.65	0.0	2.215	0.196	0	0	0	184
PL.52707	PL.72966	ABC	336 MCM AC	7.33Y	122.1	0.01	2.88	62.75	12	1332	360	97	0.07	0.0	2.237	0.022	0	0	1	184
PL.52708	PL.52707	ABC	336 MCM AC	7.32Y	122.1	0.05	2.93	62.75	12	1332	359	97	0.36	0.0	2.346	0.109	20	5	2	183
PL.45227	PL.52708	ABC	336 MCM AC	7.32Y	122.1	0.00	2.93	1.93	0	41	10	97	0.00	0.0	2.346	0.001	0	0	0	5
PD.7288	PL.45227	ABC	25QA	7.32Y	122.1	0.00	2.93	1.93	8	41	10	97	0.00	0.0	2.346	0.001	0	0	0	5
PL.45234	PD.7288	ABC	336 MCM AC	7.32Y	122.1	0.00	2.93	1.93	0	41	10	97	0.00	0.0	2.504	0.158	0	0	0	5
PL.45237	PL.45234	ABC	336 MCM AC	7.32Y	122.1	0.00	2.93	1.93	0	41	10	97	0.00	0.0	2.526	0.022	0	0	0	5
PL.45128	PL.45237	B	6 A (CWC)	7.32Y	122.1	0.01	2.93	3.49	2	25	6	97	0.00	0.0	2.572	0.046	15	4	2	4
PL.53937	PL.45128	B	6 A (CWC)	7.32Y	122.1	0.00	2.94	1.37	1	10	2	98	0.00	0.0	2.648	0.075	10	2	1	2

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

Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.53938	PL.53937	B	6 A (CWC)	7.32Y	122.1	0.00	2.94	0.00	0	0	0	100	0.00	0.0	2.717	0.070	0	0	1	1
PL.46015	PL.45237	ABC	336 MCM AC	7.32Y	122.1	0.00	2.93	0.00	0	0	0	100	0.00	0.0	2.536	0.010	0	0	0	0
PL.45235	PL.45237	A	6 A (CWC)	7.32Y	122.1	0.00	2.93	2.29	2	16	4	97	0.00	0.0	2.563	0.037	16	4	1	1
PL.45236	PL.45235	A	6 A (CWC)	7.32Y	122.1	0.00	2.93	0.00	0	0	0	100	0.00	0.0	2.592	0.029	0	0	0	0
PL.46980	PL.52708	ABC	336 MCM AC	7.32Y	122.0	0.04	2.96	59.86	12	1270	343	97	0.25	0.0	2.429	0.083	0	0	0	176
PL.45232	PL.46980	ABC	336 MCM AC	7.32Y	122.0	0.00	2.96	1.20	0	26	6	97	0.00	0.0	2.508	0.079	0	0	0	3
PL.45231	PL.45232	ABC	336 MCM AC	7.32Y	122.0	0.00	2.96	0.00	0	0	0	100	0.00	0.0	2.663	0.154	0	0	0	0
PL.45233	PL.45231	ABC	336 MCM AC	7.32Y	122.0	0.00	2.96	0.00	0	0	0	100	0.00	0.0	2.713	0.050	0	0	0	0
PD.4951-A	PL.45233	ABC	Open	7.32Y	122.0	0.00	2.96	0.00	0	0	0	100	0.00	0.0	2.713	0.050	0	0	0	0
PL.46016	PL.45231	A	#4 ACSR	7.32Y	122.0	0.00	2.96	0.00	0	0	0	100	0.00	0.0	2.663	0.001	0	0	0	0
PD.7291	PL.46016	A	60QA	7.32Y	122.0	0.00	2.96	0.00	0	0	0	100	0.00	0.0	2.663	0.001	0	0	0	0
PL.46017	PD.7291	A	#4 ACSR	7.32Y	122.0	0.00	2.96	0.00	0	0	0	100	0.00	0.0	2.715	0.052	0	0	0	0
PL.47024	PL.45232	C	6 A (CWC)	7.32Y	122.0	0.00	2.96	3.59	3	26	6	97	0.00	0.0	2.509	0.001	0	0	0	3
PD.7195	PL.47024	C	75QA	7.32Y	122.0	0.00	2.96	3.59	5	26	6	97	0.00	0.0	2.509	0.001	0	0	0	3
PL.45228	PD.7195	C	6 A (CWC)	7.32Y	122.0	0.01	2.98	3.59	3	26	6	97	0.00	0.0	2.605	0.096	11	3	2	3
PL.45229	PL.45228	C	6 A (CWC)	7.32Y	122.0	0.00	2.98	2.01	1	14	4	96	0.00	0.0	2.637	0.032	0	0	0	1
PL.45230	PL.45229	C	6 A (CWC)	7.32Y	122.0	0.00	2.98	2.01	1	14	4	96	0.00	0.0	2.725	0.087	14	4	1	1
PL.46325	PL.46980	ABC	336 MCM AC	7.32Y	122.0	0.02	2.98	58.67	11	1244	336	97	0.10	0.0	2.465	0.036	0	0	0	173
PL.46397	PL.46325	ABC	#1/0 ACSR	7.32Y	122.0	0.00	2.98	58.67	26	1244	336	97	0.00	0.0	2.465	0.000	0	0	0	173
PD.7300	PL.46397	ABC	100L	7.32Y	122.0	0.00	2.98	58.67	59	1244	336	97	0.00	0.0	2.465	0.000	0	0	0	173
PL.54689	PD.7300	ABC	#1/0 ACSR	7.32Y	122.0	0.05	3.03	58.67	26	1244	336	97	0.42	0.0	2.511	0.046	4	1	2	173
PL.54688	PL.54689	ABC	#1/0 ACSR	7.31Y	121.9	0.08	3.11	56.73	25	1202	325	97	0.67	0.1	2.589	0.078	11	3	1	170
PL.46985	PL.54688	ABC	#1/0 ACSR	7.31Y	121.8	0.09	3.20	55.40	24	1173	317	97	0.72	0.1	2.678	0.089	13	3	1	168
PL.58454	PL.46985	C	6 A (CWC)	7.31Y	121.8	0.00	3.20	18.91	14	134	34	97	0.00	0.0	2.680	0.001	0	0	0	14
PD.8596	PL.58454	C	30T	7.31Y	121.8	0.00	3.20	18.91	0	134	34	97	0.00	0.0	2.680	0.001	0	0	0	14
PL.58455	PD.8596	C	6 A (CWC)	7.31Y	121.8	0.04	3.24	18.91	14	134	34	97	0.04	0.0	2.725	0.045	0	0	0	14
PL.46007	PL.58455	C	#4 ACSR	7.31Y	121.8	0.01	3.24	3.73	3	26	7	97	0.00	0.0	2.756	0.031	0	0	0	3
PL.45930	PL.46007	C	6 A (CWC)	7.31Y	121.8	0.00	3.24	0.52	0	4	1	97	0.00	0.0	2.831	0.075	4	1	1	1
PL.46008	PL.46007	C	#4 ACSR	7.31Y	121.8	0.01	3.25	3.21	2	23	6	97	0.00	0.0	2.882	0.126	23	6	2	2
PL.46997	PL.58455	C	6 A (CWC)	7.30Y	121.7	0.03	3.26	15.18	11	108	27	97	0.02	0.0	2.762	0.038	7	2	1	11
PL.46823	PL.46997	C	6 A (CWC)	7.30Y	121.7	0.05	3.31	14.25	10	101	25	97	0.04	0.0	2.846	0.084	9	2	1	10

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

Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.46009	PL.46823	C	6 A (CWC)	7.30Y	121.7	0.01	3.32	7.47	5	53	13	97	0.00	0.0	2.881	0.034	0	0	0	5
PL.46012	PL.46009	C	6 A (CWC)	7.30Y	121.7	0.01	3.33	4.63	3	33	8	97	0.00	0.0	2.921	0.040	10	2	1	3
PL.46013	PL.46012	C	6 A (CWC)	7.30Y	121.7	0.00	3.33	3.26	2	23	6	97	0.00	0.0	2.943	0.022	9	2	1	2
PL.46014	PL.46013	C	6 A (CWC)	7.30Y	121.7	0.00	3.34	2.03	1	14	4	96	0.00	0.0	3.009	0.065	14	4	1	1
PL.46485	PL.46009	C	#4 ACSR	7.30Y	121.7	0.00	3.33	2.84	2	20	5	97	0.00	0.0	2.899	0.018	20	5	2	2
PL.46010	PL.46823	C	#4 ACSR	7.30Y	121.7	0.00	3.32	5.46	4	39	10	97	0.00	0.0	2.871	0.025	29	7	2	4
PL.46011	PL.46010	C	#4 ACSR	7.30Y	121.7	0.00	3.32	1.34	1	9	2	98	0.00	0.0	2.930	0.058	9	2	2	2
PL.45829	PL.46985	C	6 A (CWC)	7.31Y	121.8	0.00	3.20	1.54	1	11	3	96	0.00	0.0	2.729	0.051	11	3	1	1
PL.47027	PL.46985	C	6 A (CWC)	7.31Y	121.8	0.00	3.20	0.77	1	5	1	98	0.00	0.0	2.858	0.180	5	1	1	1
PL.60385	PL.46985	ABC	#1/0 ACSR	7.30Y	121.7	0.11	3.31	47.69	21	1009	275	96	0.77	0.1	2.806	0.128	0	0	0	151
PL.60386	PL.60385	ABC	#1/0 ACSR	7.30Y	121.6	0.11	3.41	46.04	20	973	266	96	0.74	0.1	2.939	0.133	19	5	2	148
PL.46006	PL.60386	ABC	#1/0 ACSR	7.29Y	121.5	0.10	3.51	45.17	20	954	261	96	0.67	0.1	3.062	0.123	0	0	0	146
PL.46577	PL.46006	ABC	#1/0 ACSR	7.29Y	121.4	0.07	3.58	36.51	16	769	214	96	0.35	0.0	3.162	0.100	0	0	0	113
PL.60387	PL.46577	A	#1/0 ACSR	7.29Y	121.4	0.00	3.58	3.90	2	28	7	97	0.00	0.0	3.165	0.003	0	0	0	5
PD.8861	PL.60387	A	65QA	7.29Y	121.4	0.00	3.58	3.90	0	28	7	97	0.00	0.0	3.165	0.003	0	0	0	5
PL.60388	PD.8861	A	#1/0 ACSR	7.29Y	121.4	0.00	3.58	3.90	2	28	7	97	0.00	0.0	3.179	0.014	11	3	1	5
PL.60263	PL.60388	A	1/0 AL URD	7.28Y	121.4	0.00	3.58	2.33	1	16	4	97	0.00	0.0	3.207	0.027	0	0	0	4
PL.60264	PL.60263	A	1/0 AL URD	7.28Y	121.4	0.00	3.59	2.33	1	16	4	97	0.00	0.0	3.261	0.055	10	3	2	4
PL.60259	PL.60264	A	1/0 AL URD	7.28Y	121.4	0.00	3.59	0.92	1	7	2	96	0.00	0.0	3.316	0.055	0	0	0	2
PL.60260	PL.60259	A	1/0 AL URD	7.28Y	121.4	0.00	3.59	0.92	1	7	2	96	0.00	0.0	3.450	0.133	0	0	0	2
PL.63012	PL.60260	A	1/0 AL URD	7.28Y	121.4	0.00	3.59	0.92	1	7	2	96	0.00	0.0	3.510	0.060	7	2	2	2
PL.63013	PL.63012	A	1/0 AL URD	7.28Y	121.4	0.00	3.59	0.00	0	0	0	100	0.00	0.0	3.555	0.046	0	0	0	0
PL.60266	PL.63013	A	1/0 AL URD	7.28Y	121.4	0.00	3.59	0.00	0	0	0	100	0.00	0.0	3.605	0.050	0	0	0	0
PL.60261	PL.60266	A	1/0 AL URD	7.28Y	121.4	0.00	3.59	0.00	0	0	0	100	0.00	0.0	3.658	0.053	0	0	0	0
PL.60262	PL.60261	A	1/0 AL URD	7.28Y	121.4	0.00	3.59	0.00	0	0	0	100	0.00	0.0	4.010	0.351	0	0	0	0
PL.54972	PL.46577	ABC	#1/0 ACSR	7.28Y	121.4	0.04	3.62	35.21	15	741	206	96	0.18	0.0	3.218	0.056	13	3	2	108
PL.58907	PL.54972	C	#2 ACSR	7.28Y	121.4	0.00	3.62	1.33	1	9	2	98	0.00	0.0	3.218	0.000	0	0	0	2
PD.8487	PL.58907	C	15T	7.28Y	121.4	0.00	3.62	1.33	0	9	2	98	0.00	0.0	3.218	0.000	0	0	0	2
PL.58908	PD.8487	C	#2 ACSR	7.28Y	121.4	0.00	3.62	1.33	1	9	2	98	0.00	0.0	3.218	0.000	0	0	0	2
PL.58905	PL.58908	C	#2 ACSR	7.28Y	121.4	0.00	3.62	0.50	0	4	1	97	0.00	0.0	3.300	0.081	4	1	1	1
PL.58906	PL.58908	C	#4 ACSR	7.28Y	121.4	0.00	3.62	0.83	1	6	1	99	0.00	0.0	3.341	0.123	6	1	1	1

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

Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.54971	PL.54972	ABC	#1/0 ACSR	7.28Y	121.4	0.02	3.64	34.17	15	719	201	96	0.10	0.0	3.250	0.033	0	0	0	104
PL.46575	PL.54971	ABC	#4 ACSR	7.28Y	121.4	0.00	3.64	0.45	0	9	2	98	0.00	0.0	3.251	0.001	0	0	0	1
PD.7004	PL.46575	ABC	50QA	7.28Y	121.4	0.00	3.64	0.45	1	9	2	98	0.00	0.0	3.251	0.001	0	0	0	1
PL.46576	PD.7004	ABC	#4 ACSR	7.28Y	121.4	0.00	3.64	0.45	0	9	2	98	0.00	0.0	3.280	0.029	9	2	1	1
PL.46574	PL.54971	ABC	#1/0 ACSR	7.28Y	121.3	0.05	3.69	33.73	15	710	198	96	0.25	0.0	3.333	0.083	0	0	0	103
PL.54897	PL.46574	C	#2 ACSR	7.28Y	121.3	0.00	3.69	2.21	1	16	4	97	0.00	0.0	3.380	0.046	15	4	1	2
PL.54898	PL.54897	C	#1/0 ACSR	7.28Y	121.3	0.00	3.69	0.04	0	0	0	100	0.00	0.0	3.448	0.068	0	0	1	1
PL.46571	PL.46574	ABC	#1/0 ACSR	7.28Y	121.3	0.03	3.72	32.99	14	694	194	96	0.16	0.0	3.390	0.057	0	0	1	101
PL.46573	PL.46571	ABC	#1/0 ACSR	7.27Y	121.2	0.09	3.81	32.99	14	694	194	96	0.42	0.1	3.535	0.145	11	3	1	100
PL.46790	PL.46573	ABC	#1/0 ACSR	7.27Y	121.1	0.11	3.92	32.48	14	682	191	96	0.53	0.1	3.722	0.187	0	0	0	99
PL.46570	PL.46790	ABC	#1/0 ACSR	7.26Y	121.0	0.06	3.98	31.49	14	661	185	96	0.30	0.0	3.834	0.112	1	0	1	95
PL.54973	PL.46570	ABC	#1/0 ACSR	7.26Y	121.0	0.04	4.02	31.46	14	660	184	96	0.20	0.0	3.911	0.077	17	4	2	94
PL.54974	PL.54973	ABC	#1/0 ACSR	7.26Y	121.0	0.02	4.04	30.65	13	643	180	96	0.09	0.0	3.948	0.037	6	1	1	92
PL.54976	PL.54974	ABC	#1/0 ACSR	7.26Y	120.9	0.02	4.06	30.38	13	637	178	96	0.08	0.0	3.979	0.032	2	1	1	91
PL.54975	PL.54976	ABC	#1/0 ACSR	7.26Y	120.9	0.02	4.08	30.28	13	635	178	96	0.10	0.0	4.021	0.042	7	2	1	90
PL.54694	PL.54975	C	6 A (CWC)	7.25Y	120.9	0.00	4.08	1.01	1	7	2	96	0.00	0.0	4.096	0.075	7	2	1	1
PL.47007	PL.54975	ABC	#1/0 ACSR	7.25Y	120.9	0.04	4.12	29.61	13	620	174	96	0.16	0.0	4.090	0.069	8	2	1	88
PL.46375	PL.47007	ABC	#1/0 ACSR	7.25Y	120.8	0.03	4.15	29.25	13	613	172	96	0.14	0.0	4.150	0.060	0	0	0	87
PL.54438	PL.46375	ABC	#1/0 ACSR	7.25Y	120.8	0.03	4.18	28.96	13	606	170	96	0.13	0.0	4.209	0.059	0	0	0	86
PL.54439	PL.54438	A	#1/0 ACSR	7.25Y	120.8	0.00	4.18	0.00	0	0	0	100	0.00	0.0	4.213	0.004	0	0	0	0
PD.8154	PL.54439	A	20QA	7.25Y	120.8	0.00	4.18	0.00	0	0	0	100	0.00	0.0	4.213	0.004	0	0	0	0
PL.54440	PD.8154	A	#1/0 ACSR	7.25Y	120.8	0.00	4.18	0.00	0	0	0	100	0.00	0.0	4.259	0.047	0	0	0	0
PL.55536	PL.54438	ABC	#1/0 ACSR	7.25Y	120.8	0.03	4.21	28.27	12	592	167	96	0.11	0.0	4.262	0.053	22	5	2	85
PL.66224	PL.55536	ABC	#1/0 ACSR	7.25Y	120.8	0.00	4.21	27.25	12	570	161	96	0.00	0.0	4.262	0.000	0	0	0	83
PL.66225	PL.66224	ABC	#1/0 ACSR	7.25Y	120.8	0.02	4.23	27.25	12	570	161	96	0.07	0.0	4.297	0.035	9	2	1	83
PL.55533	PL.66225	ABC	#1/0 ACSR	7.24Y	120.7	0.10	4.33	26.83	12	561	159	96	0.40	0.1	4.505	0.208	0	0	1	82
PL.55534	PL.55533	ABC	#1/0 ACSR	7.24Y	120.6	0.07	4.39	26.83	12	561	158	96	0.26	0.0	4.642	0.138	0	0	0	81
PL.46080	PL.55534	ABC	#1/0 ACSR	7.24Y	120.6	0.00	4.39	0.00	0	0	0	100	0.00	0.0	4.671	0.029	0	0	0	1
PL.46081	PL.46080	ABC	#1/0 ACSR	7.24Y	120.6	0.00	4.39	0.00	0	0	0	100	0.00	0.0	4.817	0.145	0	0	0	0
PD.7306-A	PL.46081	ABC	Open	7.24Y	120.6	0.00	4.39	0.00	0	0	0	100	0.00	0.0	4.817	0.145	0	0	0	0
PL.55531	PL.46080	A	#2 ACSR	7.24Y	120.6	0.00	4.39	0.01	0	0	0	100	0.00	0.0	4.675	0.003	0	0	0	1

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.8194	PL.55531	A	40QA	7.24Y	120.6	0.00	4.39	0.01	0	0	0	100	0.00	0.0	4.675	0.003	0	0	0	1
PL.55532	PD.8194	A	#2 ACSR	7.24Y	120.6	0.00	4.39	0.01	0	0	0	100	0.00	0.0	4.759	0.084	0	0	1	1
PL.55530	PL.55534	ABC	336 MCM AC	7.24Y	120.6	0.00	4.39	5.01	1	100	42	92	0.00	0.0	4.662	0.019	100	42	2	2
PL.55528	PL.55534	ABC	#1/0 ACSR	7.23Y	120.6	0.03	4.42	21.86	10	460	116	97	0.10	0.0	4.719	0.077	0	0	0	78
PL.55529	PL.55528	ABC	#1/0 ACSR	7.23Y	120.5	0.06	4.49	21.86	10	460	116	97	0.21	0.0	4.880	0.161	0	0	0	78
PL.55526	PL.55529	ABC	#1/0 ACSR	7.23Y	120.5	0.02	4.50	21.86	10	460	116	97	0.06	0.0	4.926	0.046	13	3	3	78
PL.55525	PL.55526	ABC	#1/0 ACSR	7.23Y	120.5	0.02	4.53	20.99	9	441	112	97	0.07	0.0	4.985	0.059	0	0	0	74
PL.46079	PL.55525	C	#2 ACSR	7.23Y	120.5	0.00	4.53	4.14	2	29	7	97	0.00	0.0	5.006	0.021	22	6	2	3
PL.55366	PL.46079	C	#2 ACSR	7.23Y	120.5	0.00	4.53	0.95	1	7	2	96	0.00	0.0	5.086	0.080	7	2	1	1
PL.55149	PL.55525	ABC	#1/0 ACSR	7.23Y	120.5	0.02	4.55	19.61	9	412	104	97	0.06	0.0	5.047	0.062	11	3	2	71
PL.55148	PL.55149	ABC	#1/0 ACSR	7.23Y	120.4	0.02	4.57	19.07	8	401	101	97	0.05	0.0	5.102	0.055	18	5	2	69
PL.54802	PL.55148	A	#1/0 ACSR	7.23Y	120.4	0.00	4.57	3.17	1	22	6	96	0.00	0.0	5.153	0.051	9	2	1	2
PL.54803	PL.54802	A	#1/0 ACSR	7.23Y	120.4	0.00	4.57	1.94	1	14	3	98	0.00	0.0	5.213	0.060	14	3	1	1
PL.54801	PL.55148	ABC	#1/0 ACSR	7.23Y	120.4	0.01	4.58	16.64	7	350	88	97	0.04	0.0	5.153	0.051	11	3	1	64
PL.55369	PL.54801	ABC	#1/0 ACSR	7.22Y	120.4	0.03	4.61	16.10	7	338	85	97	0.07	0.0	5.252	0.099	5	1	1	63
PL.55368	PL.55369	ABC	#1/0 ACSR	7.22Y	120.4	0.01	4.62	15.89	7	334	84	97	0.02	0.0	5.286	0.034	0	0	0	62
PL.46078	PL.55368	ABC	#1/0 ACSR	7.22Y	120.4	0.02	4.64	15.75	7	331	84	97	0.05	0.0	5.360	0.074	0	0	0	61
PL.54811	PL.46078	ABC	#1/0 ACSR	7.22Y	120.3	0.02	4.66	14.40	6	302	76	97	0.05	0.0	5.442	0.082	0	0	0	54
PL.54812	PL.54811	ABC	#1/0 ACSR	7.22Y	120.3	0.04	4.70	14.01	6	294	74	97	0.09	0.0	5.612	0.170	0	0	0	52
PL.46856	PL.54812	ABC	#1/0 ACSR	7.22Y	120.3	0.02	4.72	12.51	5	263	66	97	0.04	0.0	5.701	0.089	0	0	0	42
PL.47080	PL.46856	B	6 A (CWC)	7.22Y	120.3	0.00	4.72	0.09	0	1	0	100	0.00	0.0	5.800	0.099	0	0	0	1
PL.55503	PL.47080	B	6 A (CWC)	7.22Y	120.3	0.00	4.72	0.00	0	0	0	100	0.00	0.0	5.868	0.068	0	0	0	0
PL.47081	PL.47080	B	6 A (CWC)	7.22Y	120.3	0.00	4.72	0.09	0	1	0	100	0.00	0.0	5.935	0.135	1	0	1	1
PL.55504	PL.46856	ABC	#1/0 ACSR	7.22Y	120.3	0.03	4.75	12.48	5	262	66	97	0.05	0.0	5.820	0.119	0	0	1	41
PL.55505	PL.55504	ABC	#1/0 ACSR	7.21Y	120.2	0.02	4.77	11.79	5	247	62	97	0.03	0.0	5.905	0.085	10	2	1	38
PL.55150	PL.55505	B	#2 ACSR	7.21Y	120.2	0.00	4.77	1.45	1	10	3	96	0.00	0.0	5.938	0.033	10	3	2	2
PL.55152	PL.55505	ABC	#1/0 ACSR	7.21Y	120.2	0.01	4.78	10.84	5	227	57	97	0.02	0.0	5.964	0.059	17	4	4	35
PL.57889	PL.55152	A	#2 ACSR	7.21Y	120.2	0.00	4.78	1.73	1	12	3	97	0.00	0.0	5.968	0.004	0	0	0	3
PD.8387	PL.57889	A	40QA	7.21Y	120.2	0.00	4.78	1.73	4	12	3	97	0.00	0.0	5.968	0.004	0	0	0	3
PL.57890	PD.8387	A	#2 ACSR	7.21Y	120.2	0.00	4.78	1.73	1	12	3	97	0.00	0.0	6.056	0.088	0	0	0	3
PL.55240	PL.57890	A	#2 ACSR	7.21Y	120.2	0.00	4.78	1.73	1	12	3	97	0.00	0.0	6.102	0.046	0	0	2	3

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.55241	PL.55240	A	#1/0 ACSR	7.21Y	120.2	0.00	4.78	1.73	1	12	3	97	0.00	0.0	6.144	0.043	12	3	1	1
PL.55151	PL.55152	ABC	#1/0 ACSR	7.21Y	120.2	0.01	4.79	9.43	4	198	50	97	0.01	0.0	6.016	0.052	12	3	1	28
PL.55509	PL.55151	ABC	#1/0 ACSR	7.21Y	120.2	0.01	4.80	8.84	4	186	47	97	0.01	0.0	6.082	0.067	8	2	1	27
PL.55508	PL.55509	ABC	#1/0 ACSR	7.21Y	120.2	0.01	4.80	8.46	4	177	45	97	0.01	0.0	6.137	0.054	8	2	1	26
PL.55510	PL.55508	B	#4 ACSR	7.21Y	120.2	0.00	4.81	1.18	1	8	2	97	0.00	0.0	6.208	0.072	8	2	1	1
PL.55512	PL.55508	ABC	#1/0 ACSR	7.21Y	120.2	0.01	4.81	7.68	3	161	41	97	0.01	0.0	6.176	0.039	0	0	1	24
PL.55511	PL.55512	ABC	#1/0 ACSR	7.21Y	120.2	0.01	4.82	7.66	3	161	40	97	0.01	0.0	6.263	0.087	0	0	0	23
PL.55513	PL.55511	B	#2 ACSR	7.21Y	120.2	0.00	4.82	1.57	1	11	3	96	0.00	0.0	6.298	0.035	0	0	0	1
PL.55514	PL.55513	B	#2 ACSR	7.21Y	120.2	0.00	4.82	1.57	1	11	3	96	0.00	0.0	6.373	0.075	11	3	1	1
PL.46381	PL.55511	ABC	#1/0 ACSR	7.21Y	120.2	0.01	4.83	7.14	3	150	38	97	0.01	0.0	6.346	0.083	0	0	0	22
PL.55515	PL.46381	B	#2 ACSR	7.21Y	120.2	0.00	4.83	0.00	0	0	0	100	0.00	0.0	6.603	0.257	0	0	0	0
PL.55137	PL.46381	ABC	#1/0 ACSR	7.21Y	120.1	0.02	4.86	7.14	3	150	38	97	0.03	0.0	6.534	0.188	0	0	0	22
PL.55375	PL.55137	B	#2 ACSR	7.21Y	120.1	0.00	4.86	1.18	1	8	2	97	0.00	0.0	6.658	0.124	0	0	0	1
PL.55377	PL.55375	B	#1/0 ACSR	7.21Y	120.1	0.00	4.86	1.18	1	8	2	97	0.00	0.0	6.721	0.063	8	2	1	1
PL.55376	PL.55377	B	#2 ACSR	7.21Y	120.1	0.00	4.86	0.00	0	0	0	100	0.00	0.0	6.790	0.069	0	0	0	0
PL.55378	PL.55377	B	#1/0 ACSR	7.21Y	120.1	0.00	4.86	0.00	0	0	0	100	0.00	0.0	6.809	0.088	0	0	0	0
PL.55138	PL.55137	B	#2 ACSR	7.21Y	120.1	0.00	4.86	2.49	1	17	4	97	0.00	0.0	6.581	0.048	10	2	1	2
PL.55139	PL.55138	B	#1/0 ACSR	7.21Y	120.1	0.00	4.86	1.10	0	8	2	97	0.00	0.0	6.616	0.035	8	2	1	1
PL.55136	PL.55137	ABC	#1/0 ACSR	7.21Y	120.1	0.01	4.86	5.92	3	124	31	97	0.01	0.0	6.599	0.065	0	0	0	19
PL.46634	PL.55136	B	#2 ACSR	7.21Y	120.1	0.00	4.86	2.10	1	15	4	97	0.00	0.0	6.662	0.063	15	4	2	2
PL.55516	PL.46634	B	#2 ACSR	7.21Y	120.1	0.00	4.86	0.00	0	0	0	100	0.00	0.0	6.701	0.039	0	0	0	0
PL.55517	PL.55136	ABC	#1/0 ACSR	7.21Y	120.1	0.00	4.87	4.71	2	99	25	97	0.00	0.0	6.660	0.061	6	1	1	15
PL.55518	PL.55517	ABC	#1/0 ACSR	7.21Y	120.1	0.01	4.87	4.44	2	93	23	97	0.00	0.0	6.745	0.085	5	1	2	14
PL.55519	PL.55518	ABC	#1/0 ACSR	7.21Y	120.1	0.01	4.88	4.20	2	88	22	97	0.00	0.0	6.813	0.068	0	0	0	12
PL.55521	PL.55519	ABC	#1/0 ACSR	7.21Y	120.1	0.00	4.88	3.72	2	78	20	97	0.00	0.0	6.840	0.027	16	4	3	11
PL.57713	PL.55521	ABC	#1/0 ACSR	7.21Y	120.1	0.01	4.89	2.95	1	62	16	97	0.00	0.0	6.945	0.105	0	0	0	7
PL.57715	PL.57713	C	#1/0 ACSR	7.21Y	120.1	0.00	4.89	2.04	1	14	4	96	0.00	0.0	6.986	0.041	14	4	1	1
PL.57714	PL.57713	ABC	#1/0 ACSR	7.21Y	120.1	0.00	4.89	2.27	1	48	12	97	0.00	0.0	6.987	0.043	0	0	0	6
PL.46428	PL.57714	ABC	#1/0 ACSR	7.21Y	120.1	0.00	4.89	2.27	1	48	12	97	0.00	0.0	7.050	0.062	14	3	1	6
PL.55523	PL.46428	ABC	#4 ACSR	7.21Y	120.1	0.00	4.89	0.25	0	5	1	98	0.00	0.0	7.124	0.074	5	1	1	1
PL.55524	PL.55523	ABC	#4 ACSR	7.21Y	120.1	0.00	4.89	0.00	0	0	0	100	0.00	0.0	7.154	0.030	0	0	0	0

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.41403	PL.55524	ABC	#4 ACSR	7.21Y	120.1	0.00	4.89	0.00	0	0	0	100	0.00	0.0	7.188	0.034	0	0	0	0
PL.44953	PL.41403	ABC	#4 ACSR	7.21Y	120.1	0.00	4.89	0.00	0	0	0	100	0.00	0.0	7.250	0.062	0	0	0	0
PD.4953-A	PL.44953	ABC	Open	7.21Y	120.1	0.00	4.89	0.00	0	0	0	100	0.00	0.0	7.250	0.062	0	0	0	0
PL.55213	PL.46428	B	6 A (CWC)	7.20Y	120.1	0.03	4.92	4.09	3	29	7	97	0.01	0.0	7.208	0.158	0	0	0	4
PL.55211	PL.55213	B	6 A (CWC)	7.20Y	120.1	0.00	4.92	2.20	2	15	4	97	0.00	0.0	7.247	0.040	0	0	0	2
PL.55209	PL.55211	B	6 A (CWC)	7.20Y	120.1	0.00	4.93	2.20	2	15	4	97	0.00	0.0	7.293	0.045	7	2	1	2
PL.57983	PL.55209	B	6 A (CWC)	7.20Y	120.1	0.00	4.93	1.21	1	8	2	97	0.00	0.0	7.329	0.036	0	0	0	1
PL.57984	PL.57983	B	6 A (CWC)	7.20Y	120.1	0.00	4.93	1.21	1	8	2	97	0.00	0.0	7.363	0.035	8	2	1	1
PL.64771	PL.57983	B	#1/0 ACSR	7.20Y	120.1	0.00	4.93	0.00	0	0	0	100	0.00	0.0	7.356	0.027	0	0	0	0
PL.64772	PL.64771	B	#1/0 ACSR	7.20Y	120.1	0.00	4.93	0.00	0	0	0	100	0.00	0.0	7.408	0.052	0	0	0	0
PL.64773	PL.64772	B	#1/0 ACSR	7.20Y	120.1	0.00	4.93	0.00	0	0	0	100	0.00	0.0	7.442	0.034	0	0	0	0
PL.55208	PL.55211	B	6 A (CWC)	7.20Y	120.1	0.00	4.92	0.00	0	0	0	100	0.00	0.0	7.282	0.035	0	0	0	0
PL.55212	PL.55213	B	6 A (CWC)	7.20Y	120.1	0.00	4.92	0.80	1	6	1	99	0.00	0.0	7.232	0.024	6	1	1	1
PL.55214	PL.55213	B	6 A (CWC)	7.20Y	120.1	0.00	4.92	1.08	1	8	2	97	0.00	0.0	7.268	0.060	8	2	1	1
PL.55215	PL.55214	B	6 A (CWC)	7.20Y	120.1	0.00	4.92	0.00	0	0	0	100	0.00	0.0	7.270	0.002	0	0	0	0
PD.8174-B	PL.55215	B	Open	7.20Y	120.1	0.00	4.92	0.00	0	0	0	100	0.00	0.0	7.270	0.002	0	0	0	0
PL.55520	PL.55521	ABC	#2 ACSR	7.21Y	120.1	0.00	4.88	0.01	0	0	0	100	0.00	0.0	6.901	0.061	0	0	1	1
PL.46991	PL.55519	B	#2 ACSR	7.21Y	120.1	0.00	4.88	1.44	1	10	3	96	0.00	0.0	6.835	0.022	10	3	1	1
PL.55140	PL.55136	B	#2 ACSR	7.21Y	120.1	0.00	4.86	1.52	1	11	3	96	0.00	0.0	6.647	0.047	11	3	2	2
PL.55506	PL.55504	C	#1/0 ACSR	7.22Y	120.3	0.00	4.75	0.95	0	7	2	96	0.00	0.0	5.886	0.066	7	2	1	1
PL.55507	PL.55504	A	#2 ACSR	7.22Y	120.3	0.00	4.75	1.11	1	8	2	97	0.00	0.0	5.836	0.016	8	2	1	1
PL.57284	PL.54812	B	6 A (CWC)	7.22Y	120.3	0.00	4.70	4.52	3	32	8	97	0.00	0.0	5.616	0.004	0	0	0	10
PD.8273	PL.57284	B	25T	7.22Y	120.3	0.00	4.70	4.52	0	32	8	97	0.00	0.0	5.616	0.004	0	0	0	10
PL.57285	PD.8273	B	6 A (CWC)	7.22Y	120.3	0.01	4.71	4.52	3	32	8	97	0.00	0.0	5.643	0.027	6	2	2	10
PL.55502	PL.57285	B	6 A (CWC)	7.22Y	120.3	0.03	4.74	3.64	3	26	6	97	0.01	0.0	5.810	0.167	0	0	0	8
PL.45133	PL.55502	B	6 A (CWC)	7.21Y	120.2	0.03	4.76	2.81	2	20	5	97	0.00	0.0	6.031	0.222	0	0	0	7
PL.55501	PL.45133	B	6 A (CWC)	7.21Y	120.2	0.00	4.77	0.88	1	6	2	95	0.00	0.0	6.178	0.147	6	2	4	4
PL.47048	PL.45133	B	6 A (CWC)	7.21Y	120.2	0.01	4.77	1.93	1	13	3	97	0.00	0.0	6.148	0.117	0	0	0	3
PL.47082	PL.47048	B	6 A (CWC)	7.21Y	120.2	0.01	4.78	1.93	1	13	3	97	0.00	0.0	6.273	0.125	0	0	0	3
PL.55498	PL.47082	B	6 A (CWC)	7.21Y	120.2	0.01	4.80	1.73	1	12	3	97	0.00	0.0	6.413	0.140	0	0	0	2
PL.55499	PL.55498	B	6 A (CWC)	7.21Y	120.2	0.01	4.80	1.73	1	12	3	97	0.00	0.0	6.520	0.107	4	1	1	2

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.55500	PL.55499	B	6 A (CWC)	7.21Y	120.2	0.00	4.80	1.18	1	8	2	97	0.00	0.0	6.574	0.053	8	2	1	1
PL.45968	PL.47082	B	6 A (CWC)	7.21Y	120.2	0.00	4.79	0.20	0	1	0	100	0.00	0.0	6.379	0.106	0	0	0	1
PL.55496	PL.45968	B	6 A (CWC)	7.21Y	120.2	0.00	4.79	0.20	0	1	0	100	0.00	0.0	6.443	0.064	1	0	1	1
PL.55497	PL.55496	B	6 A (CWC)	7.21Y	120.2	0.00	4.79	0.00	0	0	0	100	0.00	0.0	6.580	0.137	0	0	0	0
PL.55495	PL.55497	B	6 A (CWC)	7.21Y	120.2	0.00	4.79	0.00	0	0	0	100	0.00	0.0	7.074	0.494	0	0	0	0
PL.46477	PL.55497	B	6 A (CWC)	7.21Y	120.2	0.00	4.79	0.00	0	0	0	100	0.00	0.0	6.729	0.149	0	0	0	0
PL.46216	PL.47048	B	6 A (CWC)	7.21Y	120.2	0.00	4.77	0.00	0	0	0	100	0.00	0.0	6.213	0.065	0	0	0	0
PL.64737	PL.55502	B	6 A (CWC)	7.22Y	120.3	0.00	4.74	0.84	1	6	1	99	0.00	0.0	5.814	0.004	0	0	0	1
PD.9563	PL.64737	B	20T	7.22Y	120.3	0.00	4.74	0.84	0	6	1	99	0.00	0.0	5.814	0.004	0	0	0	1
PL.64738	PD.9563	B	6 A (CWC)	7.22Y	120.3	0.01	4.74	0.84	1	6	1	99	0.00	0.0	6.204	0.390	6	1	1	1
PL.54813	PL.54811	A	#1/0 ACSR	7.22Y	120.3	0.00	4.66	1.16	1	8	2	97	0.00	0.0	5.445	0.003	0	0	0	2
PD.8195	PL.54813	A	25QA	7.22Y	120.3	0.00	4.66	1.16	5	8	2	97	0.00	0.0	5.445	0.003	0	0	0	2
PL.54814	PD.8195	A	#1/0 ACSR	7.22Y	120.3	0.00	4.66	1.16	1	8	2	97	0.00	0.0	5.466	0.021	8	2	2	2
PL.56628	PL.46078	A	#4 ACSR	7.22Y	120.4	0.00	4.64	4.05	3	28	7	97	0.00	0.0	5.364	0.004	0	0	0	7
PD.8319	PL.56628	A	30T	7.22Y	120.4	0.00	4.64	4.05	0	28	7	97	0.00	0.0	5.364	0.004	0	0	0	7
PL.56629	PD.8319	A	#4 ACSR	7.22Y	120.4	0.01	4.65	4.05	3	28	7	97	0.00	0.0	5.410	0.046	0	0	0	7
PL.55373	PL.56629	A	#2 ACSR	7.22Y	120.3	0.01	4.66	2.24	1	16	4	97	0.00	0.0	5.544	0.134	5	1	2	5
PL.55374	PL.55373	A	#2 ACSR	7.22Y	120.3	0.00	4.66	1.58	1	11	3	96	0.00	0.0	5.579	0.035	11	3	3	3
PL.55371	PL.56629	A	#2 ACSR	7.22Y	120.4	0.00	4.65	1.81	1	13	3	97	0.00	0.0	5.438	0.027	3	1	1	2
PL.55372	PL.55371	A	#2 ACSR	7.22Y	120.4	0.00	4.65	1.31	1	9	2	98	0.00	0.0	5.460	0.022	9	2	1	1
PL.55370	PL.55368	A	#2 ACSR	7.22Y	120.4	0.00	4.62	0.42	0	3	1	95	0.00	0.0	5.379	0.093	3	1	1	1
PL.54804	PL.55148	C	#2 ACSR	7.23Y	120.4	0.00	4.57	1.57	1	11	3	96	0.00	0.0	5.132	0.030	11	3	1	1
PL.55527	PL.55526	A	#2 ACSR	7.23Y	120.5	0.00	4.50	0.82	0	6	1	99	0.00	0.0	4.981	0.055	6	1	1	1
PL.55538	PL.54438	A	#2 ACSR	7.25Y	120.8	0.01	4.19	2.07	1	15	4	97	0.00	0.0	4.300	0.091	0	0	0	1
PL.55539	PL.55538	A	#2 ACSR	7.25Y	120.8	0.00	4.19	2.07	1	15	4	97	0.00	0.0	4.408	0.108	15	4	1	1
PL.55537	PL.55538	A	#1/0 ACSR	7.25Y	120.8	0.00	4.19	0.00	0	0	0	100	0.00	0.0	4.319	0.019	0	0	0	0
PL.54695	PL.46375	C	6 A (CWC)	7.25Y	120.8	0.01	4.16	0.86	1	6	2	95	0.00	0.0	4.301	0.152	0	0	0	1
PL.54437	PL.54695	C	6 A (CWC)	7.25Y	120.8	0.00	4.16	0.86	1	6	2	95	0.00	0.0	4.353	0.051	6	2	1	1
PL.54429	PL.46790	C	1/0 AL URD	7.26Y	121.1	0.00	3.92	1.48	1	10	3	96	0.00	0.0	3.797	0.075	10	3	2	2
PL.54427	PL.46790	C	#2 ACSR	7.26Y	121.1	0.00	3.92	1.48	1	10	3	96	0.00	0.0	3.781	0.059	1	0	1	2
PL.54428	PL.54427	C	#2 ACSR	7.26Y	121.1	0.00	3.92	1.31	1	9	2	98	0.00	0.0	3.843	0.062	9	2	1	1

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.58340	PL.46006	C	6 A (CWC)	7.29Y	121.5	0.00	3.52	25.98	19	184	46	97	0.01	0.0	3.065	0.003	0	0	0	33
PD.8572	PL.58340	C	25T	7.29Y	121.5	0.00	3.52	25.98	0	184	46	97	0.00	0.0	3.065	0.003	0	0	0	33
PL.58342	PD.8572	C	6 A (CWC)	7.29Y	121.5	0.02	3.54	25.98	19	184	46	97	0.03	0.0	3.086	0.021	5	1	2	33
PL.58341	PL.58342	C	6 A (CWC)	7.28Y	121.4	0.05	3.59	25.30	18	179	45	97	0.06	0.0	3.127	0.041	11	3	1	31
PL.46572	PL.58341	C	6 A (CWC)	7.28Y	121.4	0.06	3.65	23.72	17	168	42	97	0.07	0.0	3.190	0.064	32	8	5	30
PL.63724	PL.46572	C	6 A (CWC)	7.28Y	121.3	0.08	3.73	19.15	14	135	34	97	0.08	0.1	3.285	0.094	0	0	0	25
PL.65298	PL.63724	C	#1/0 ACSR	7.28Y	121.3	0.00	3.73	2.14	1	15	4	97	0.00	0.0	3.318	0.033	0	0	0	1
PL.65299	PL.65298	C	#1/0 ACSR	7.28Y	121.3	0.00	3.73	2.14	1	15	4	97	0.00	0.0	3.318	0.000	15	4	1	1
PL.63725	PL.63724	C	6 A (CWC)	7.27Y	121.2	0.05	3.78	17.01	12	120	30	97	0.04	0.0	3.349	0.064	9	2	1	24
PL.59767	PL.63725	C	6 A (CWC)	7.27Y	121.2	0.04	3.82	15.74	11	111	28	97	0.04	0.0	3.412	0.063	0	0	2	23
PL.55315	PL.59767	C	6 A (CWC)	7.27Y	121.2	0.02	3.85	15.68	11	111	28	97	0.02	0.0	3.443	0.032	0	0	0	21
PL.55314	PL.55315	C	6 A (CWC)	7.27Y	121.1	0.01	3.85	1.65	1	12	3	97	0.00	0.0	3.639	0.195	12	3	1	1
PL.55310	PL.55315	C	6 A (CWC)	7.26Y	121.1	0.07	3.92	14.03	10	99	25	97	0.06	0.1	3.560	0.116	0	0	1	20
PL.55311	PL.55310	C	6 A (CWC)	7.26Y	121.1	0.00	3.92	0.45	0	3	1	95	0.00	0.0	3.622	0.062	0	0	1	2
PL.47092	PL.55311	C	6 A (CWC)	7.26Y	121.1	0.00	3.92	0.45	0	3	1	95	0.00	0.0	3.702	0.080	3	1	1	1
PL.47093	PL.47092	C	6 A (CWC)	7.26Y	121.1	0.00	3.92	0.00	0	0	0	100	0.00	0.0	3.756	0.055	0	0	0	0
PL.47006	PL.47093	C	#4 ACSR	7.26Y	121.1	0.00	3.92	0.00	0	0	0	100	0.00	0.0	3.837	0.081	0	0	0	0
PL.55313	PL.47093	C	6 A (CWC)	7.26Y	121.1	0.00	3.92	0.00	0	0	0	100	0.00	0.0	3.829	0.072	0	0	0	0
PL.55312	PL.55310	C	6 A (CWC)	7.26Y	121.1	0.02	3.94	13.55	10	95	24	97	0.01	0.0	3.584	0.025	0	0	0	17
PL.55546	PL.55312	C	#2 ACSR	7.26Y	121.1	0.00	3.94	0.92	1	6	2	95	0.00	0.0	3.603	0.019	6	2	1	1
PL.47094	PL.55312	C	6 A (CWC)	7.26Y	121.1	0.01	3.95	12.63	9	89	22	97	0.01	0.0	3.607	0.022	0	0	0	16
PL.55309	PL.47094	C	#2 ACSR	7.26Y	121.0	0.00	3.95	0.82	0	6	1	99	0.00	0.0	3.661	0.055	6	1	1	1
PL.55308	PL.47094	C	6 A (CWC)	7.26Y	121.0	0.04	3.99	11.81	8	83	21	97	0.03	0.0	3.687	0.080	0	0	0	15
PL.55307	PL.55308	C	6 A (CWC)	7.25Y	120.9	0.14	4.13	11.81	8	83	21	97	0.09	0.1	3.939	0.252	0	0	0	15
PL.55305	PL.55307	C	6 A (CWC)	7.25Y	120.9	0.01	4.14	1.15	1	8	2	97	0.00	0.0	4.127	0.188	3	1	1	2
PL.55306	PL.55305	C	6 A (CWC)	7.25Y	120.9	0.00	4.14	0.70	0	5	1	98	0.00	0.0	4.226	0.100	5	1	1	1
PL.46223	PL.55307	C	6 A (CWC)	7.25Y	120.9	0.02	4.15	10.55	8	74	19	97	0.01	0.0	3.977	0.039	3	1	1	12
PL.47095	PL.46223	C	6 A (CWC)	7.25Y	120.8	0.03	4.18	10.15	7	71	18	97	0.02	0.0	4.052	0.075	0	0	0	11
PL.55160	PL.47095	C	6 A (CWC)	7.24Y	120.7	0.09	4.27	9.78	7	69	17	97	0.04	0.1	4.245	0.193	1	0	1	10
PL.55206	PL.55160	C	6 A (CWC)	7.24Y	120.7	0.02	4.28	9.68	7	68	17	97	0.01	0.0	4.284	0.039	0	0	0	9
PL.47096	PL.55206	C	6 A (CWC)	7.24Y	120.7	0.00	4.28	1.27	1	9	2	98	0.00	0.0	4.326	0.042	0	0	0	2

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.55207	PL.47096	C	6 A (CWC)	7.24Y	120.7	0.00	4.29	1.27	1	9	2	98	0.00	0.0	4.357	0.031	9	2	2	2
PL.55159	PL.55206	C	#4 ACSR	7.24Y	120.7	0.01	4.29	8.41	6	59	15	97	0.00	0.0	4.313	0.029	16	4	2	7
PL.55158	PL.55159	C	#4 ACSR	7.24Y	120.7	0.01	4.30	6.19	5	43	11	97	0.00	0.0	4.342	0.029	8	2	1	5
PL.55319	PL.55158	C	#4 ACSR	7.24Y	120.7	0.01	4.31	5.07	4	36	9	97	0.00	0.0	4.387	0.045	14	3	2	4
PL.55320	PL.55319	C	#4 ACSR	7.24Y	120.7	0.01	4.32	3.12	2	22	6	96	0.00	0.0	4.469	0.082	13	3	1	2
PL.55318	PL.55320	C	#4 ACSR	7.24Y	120.7	0.00	4.32	1.31	1	9	2	98	0.00	0.0	4.624	0.156	9	2	1	1
PL.55303	PL.47095	C	6 A (CWC)	7.25Y	120.8	0.00	4.18	0.38	0	3	1	95	0.00	0.0	4.096	0.044	3	1	1	1
PL.55304	PL.55307	C	6 A (CWC)	7.25Y	120.9	0.00	4.13	0.11	0	1	0	100	0.00	0.0	3.979	0.040	1	0	1	1
PL.60389	PL.60385	BC	#1/0 ACSR	7.30Y	121.7	0.00	3.31	2.48	1	35	9	97	0.00	0.0	2.809	0.003	0	0	0	3
PD.8862	PL.60389	BC	65QA	7.30Y	121.7	0.00	3.31	2.48	0	35	9	97	0.00	0.0	2.809	0.003	0	0	0	3
PL.60390	PD.8862	BC	#1/0 ACSR	7.30Y	121.7	0.00	3.31	2.48	1	35	9	97	0.00	0.0	2.843	0.034	0	0	0	3
PL.60270	PL.60390	B	1/0 AL URD	7.30Y	121.7	0.00	3.31	0.00	0	0	0	100	0.00	0.0	3.221	0.378	0	0	0	0
PL.60271	PL.60270	B	1/0 AL URD	7.30Y	121.7	0.00	3.31	0.00	0	0	0	100	0.00	0.0	3.892	0.671	0	0	0	0
PL.60265	PL.60390	C	1/0 AL URD	7.30Y	121.7	0.00	3.31	4.95	3	35	9	97	0.00	0.0	2.868	0.025	13	3	1	3
PL.60267	PL.60265	C	1/0 AL URD	7.30Y	121.7	0.00	3.31	3.17	2	22	6	96	0.00	0.0	2.921	0.052	13	3	1	2
PL.60268	PL.60267	C	1/0 AL URD	7.30Y	121.7	0.00	3.32	1.32	1	9	2	98	0.00	0.0	3.076	0.156	9	2	1	1
PL.60269	PL.60268	C	1/0 AL URD	7.30Y	121.7	0.00	3.32	0.00	0	0	0	100	0.00	0.0	3.135	0.058	0	0	0	0
PL.60345	PL.60269	C	1/0 AL URD	7.30Y	121.7	0.00	3.32	0.00	0	0	0	100	0.00	0.0	3.181	0.046	0	0	0	0
PL.60346	PL.60345	C	1/0 AL URD	7.30Y	121.7	0.00	3.32	0.00	0	0	0	100	0.00	0.0	3.236	0.055	0	0	0	0
PL.60347	PL.60346	C	1/0 AL URD	7.30Y	121.7	0.00	3.32	0.00	0	0	0	100	0.00	0.0	3.345	0.109	0	0	0	0
PL.61062	PL.60347	C	1/0 AL URD	7.30Y	121.7	0.00	3.32	0.00	0	0	0	100	0.00	0.0	3.517	0.172	0	0	0	0
PL.41538	PL.54688	A	#1/0 ACSR	7.31Y	121.9	0.00	3.11	2.50	1	18	4	98	0.00	0.0	2.621	0.032	18	4	1	1
PL.54690	PL.54689	A	#1/0 ACSR	7.32Y	122.0	0.00	3.03	5.32	2	38	9	97	0.00	0.0	2.518	0.007	0	0	0	1
PD.8152	PL.54690	A	20QA	7.32Y	122.0	0.00	3.03	5.32	27	38	9	97	0.00	0.0	2.518	0.007	0	0	0	1
PL.54691	PD.8152	A	#1/0 ACSR	7.32Y	122.0	0.00	3.03	5.32	2	38	9	97	0.00	0.0	2.549	0.031	38	9	1	1
PL.46978	PL.46977	C	#2 ACSR	7.40Y	123.4	0.00	1.59	1.65	1	12	3	97	0.00	0.0	1.137	0.002	0	0	0	1
PD.7192	PL.46978	C	100T	7.40Y	123.4	0.00	1.59	1.65	0	12	3	97	0.00	0.0	1.137	0.002	0	0	0	1
PL.54831	PD.7192	C	#2 ACSR	7.40Y	123.4	0.00	1.60	1.65	1	12	3	97	0.00	0.0	1.208	0.072	12	3	1	1
PL.46022	PL.47033	C	6 A (CWC)	7.46Y	124.4	0.00	0.61	0.18	0	1	0	100	0.00	0.0	0.432	0.001	0	0	0	1
PD.7190	PL.46022	C	40T	7.46Y	124.4	0.00	0.61	0.18	0	1	0	100	0.00	0.0	0.432	0.001	0	0	0	1
PL.46023	PD.7190	C	6 A (CWC)	7.46Y	124.4	0.00	0.61	0.18	0	1	0	100	0.00	0.0	0.454	0.022	1	0	1	1

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

Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.52871	Campground	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	113.40	22	2466	656	97	0.02	0.0	0.002	0.002	0	0	0	322
PL.52874	PL.52871	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	113.40	22	2466	655	97	0.03	0.0	0.005	0.003	0	0	0	322
---------- Feeder No. 3 (Old State Rd F3) Beginning with Device PD.7981 ----------																				
PD.7981	PL.52874	ABC	480VWE	7.50Y	125.0	0.00	0.00	113.40	0	2466	655	97	0.00	0.0	0.005	0.003	0	0	0	322
PL.45131	PD.7981	ABC	336 MCM AC	7.49Y	124.8	0.17	0.17	113.40	22	2466	655	97	2.21	0.1	0.209	0.204	0	0	0	322
PL.45132	PL.45131	ABC	336 MCM AC	7.47Y	124.6	0.25	0.42	113.18	22	2459	649	97	3.27	0.1	0.512	0.303	0	0	0	321
PL.46499	PL.45132	ABC	336 MCM AC	7.46Y	124.4	0.17	0.59	81.80	16	1773	469	97	1.61	0.1	0.797	0.285	0	0	0	238
PL.47055	PL.46499	ABC	336 MCM AC	7.45Y	124.2	0.19	0.79	81.80	16	1772	465	97	1.81	0.1	1.119	0.321	0	0	0	238
PL.47056	PL.47055	ABC	336 MCM AC	7.45Y	124.1	0.08	0.87	81.80	16	1770	461	97	0.76	0.0	1.254	0.136	4	1	1	238
PL.47107	PL.47056	ABC	336 MCM AC	7.44Y	123.9	0.18	1.05	79.71	15	1724	447	97	1.70	0.1	1.572	0.317	0	0	0	232
PL.47111	PL.47107	C	#4 ACSR	7.44Y	123.9	0.00	1.05	0.00	0	0	0	100	0.00	0.0	1.573	0.001	0	0	0	0
PD.7241	PL.47111	C	75QA	7.44Y	123.9	0.00	1.05	0.00	0	0	0	100	0.00	0.0	1.573	0.001	0	0	0	0
PL.46037	PD.7241	C	#4 ACSR	7.44Y	123.9	0.00	1.05	0.00	0	0	0	100	0.00	0.0	1.691	0.118	0	0	0	0
PL.47108	PL.47107	ABC	336 MCM AC	7.43Y	123.9	0.08	1.13	79.37	15	1715	442	97	0.77	0.0	1.716	0.145	1	0	1	231
PL.46313	PL.47108	ABC	336 MCM AC	7.43Y	123.8	0.05	1.19	79.34	15	1713	440	97	0.48	0.0	1.806	0.090	0	0	0	230
PL.53145	PL.46313	ABC	336 MCM AC	7.42Y	123.7	0.07	1.25	78.98	15	1705	437	97	0.60	0.0	1.921	0.115	9	2	2	229
PL.56371	PL.53145	ABC	336 MCM AC	7.42Y	123.7	0.05	1.30	78.57	15	1696	433	97	0.45	0.0	2.008	0.087	3	1	1	227
PL.56370	PL.56371	ABC	#1/0 ACSR	7.42Y	123.6	0.07	1.37	52.78	23	1139	290	97	0.53	0.0	2.083	0.074	48	12	6	160
PL.53143	PL.56370	ABC	#1/0 ACSR	7.41Y	123.6	0.06	1.43	50.56	22	1091	277	97	0.43	0.0	2.146	0.064	0	0	0	154
PL.53148	PL.53143	ABC	#1/0 ACSR	7.41Y	123.6	0.00	1.43	50.56	22	1090	277	97	0.02	0.0	2.149	0.002	0	0	0	154
PD.7990	PL.53148	ABC	70L	7.41Y	123.6	0.00	1.43	50.56	72	1090	277	97	0.00	0.0	2.149	0.002	0	0	0	154
PL.53150	PD.7990	ABC	#1/0 ACSR	7.41Y	123.5	0.03	1.46	50.56	22	1090	277	97	0.21	0.0	2.180	0.031	28	7	4	154
PL.60436	PL.53150	C	#1/0 ACSR	7.41Y	123.5	0.00	1.46	1.38	1	10	3	96	0.00	0.0	2.215	0.035	0	0	0	1
PL.60437	PL.60436	C	#1/0 ACSR	7.41Y	123.5	0.00	1.46	1.38	1	10	3	96	0.00	0.0	2.231	0.016	10	3	1	1
PL.53149	PL.53150	A	6 A (CWC)	7.41Y	123.5	0.00	1.46	28.02	20	201	51	97	0.00	0.0	2.182	0.003	0	0	0	28
PD.7006	PL.53149	A	30T	7.41Y	123.5	0.00	1.46	28.02	0	201	51	97	0.00	0.0	2.182	0.003	0	0	0	28
PL.47101	PD.7006	A	6 A (CWC)	7.40Y	123.4	0.18	1.64	28.02	20	201	51	97	0.26	0.1	2.329	0.147	21	5	3	28
PL.46398	PL.47101	A	6 A (CWC)	7.40Y	123.3	0.06	1.70	17.77	13	128	32	97	0.06	0.0	2.406	0.078	10	2	2	18
PL.46510	PL.46398	A	#2 ACSR	7.40Y	123.3	0.00	1.70	4.72	3	34	9	97	0.00	0.0	2.425	0.019	22	5	2	3

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.46993	PL.46510	A	#2 ACSR	7.40Y	123.3	0.00	1.70	1.71	1	12	3	97	0.00	0.0	2.452	0.027	12	3	1	1
PL.46399	PL.46398	A	6 A (CWC)	7.40Y	123.3	0.03	1.73	11.68	8	84	21	97	0.02	0.0	2.466	0.060	11	3	2	13
PL.56381	PL.46399	A	6 A (CWC)	7.40Y	123.3	0.02	1.74	10.18	7	73	18	97	0.01	0.0	2.506	0.040	2	0	1	11
PL.56382	PL.56381	A	#4 ACSR	7.40Y	123.3	0.00	1.74	0.77	1	6	1	99	0.00	0.0	2.516	0.011	0	0	0	1
PL.45970	PL.56382	A	#4 ACSR	7.40Y	123.3	0.00	1.75	0.77	1	6	1	99	0.00	0.0	2.576	0.059	6	1	1	1
PL.46041	PL.56382	A	#4 ACSR	7.40Y	123.3	0.00	1.74	0.00	0	0	0	100	0.00	0.0	2.551	0.034	0	0	0	0
PL.56387	PL.56381	A	#4 ACSR	7.39Y	123.2	0.02	1.76	9.15	7	66	17	97	0.01	0.0	2.550	0.045	10	3	1	9
PL.56386	PL.56387	A	#4 ACSR	7.39Y	123.2	0.01	1.77	5.40	4	39	10	97	0.00	0.0	2.613	0.063	6	2	2	7
PL.56383	PL.56386	A	#4 ACSR	7.39Y	123.2	0.01	1.78	3.73	3	27	7	97	0.00	0.0	2.659	0.046	0	0	0	4
PL.46827	PL.56383	A	#4 ACSR	7.39Y	123.2	0.01	1.79	3.73	3	27	7	97	0.00	0.0	2.712	0.053	7	2	1	4
PL.60591	PL.46827	A	#4 ACSR	7.39Y	123.2	0.00	1.79	2.70	2	19	5	97	0.00	0.0	2.725	0.013	8	2	1	3
PL.60592	PL.60591	A	#4 ACSR	7.39Y	123.2	0.00	1.79	1.58	1	11	3	96	0.00	0.0	2.776	0.052	11	3	2	2
PL.56384	PL.56386	A	#4 ACSR	7.39Y	123.2	0.00	1.78	0.82	1	6	1	99	0.00	0.0	2.636	0.022	6	1	1	1
PL.56385	PL.56384	A	#4 ACSR	7.39Y	123.2	0.00	1.78	0.00	0	0	0	100	0.00	0.0	2.686	0.051	0	0	0	0
PL.56388	PL.56387	A	#4 ACSR	7.39Y	123.2	0.00	1.76	2.30	2	16	4	97	0.00	0.0	2.569	0.019	0	0	0	1
PL.56390	PL.56388	A	#2 ACSR	7.39Y	123.2	0.00	1.76	0.00	0	0	0	100	0.00	0.0	2.588	0.019	0	0	0	0
PL.56389	PL.56388	A	#4 ACSR	7.39Y	123.2	0.00	1.76	2.30	2	16	4	97	0.00	0.0	2.609	0.040	16	4	1	1
PL.46039	PL.47101	A	6 A (CWC)	7.40Y	123.3	0.02	1.65	7.33	5	53	13	97	0.01	0.0	2.375	0.047	0	0	0	7
PL.55643	PL.46039	A	#2 ACSR	7.40Y	123.3	0.00	1.65	3.91	2	28	7	97	0.00	0.0	2.395	0.020	11	3	1	2
PL.55644	PL.55643	A	#2 ACSR	7.40Y	123.3	0.00	1.65	2.31	1	17	4	97	0.00	0.0	2.415	0.020	17	4	1	1
PL.46040	PL.46039	A	6 A (CWC)	7.40Y	123.3	0.01	1.66	3.43	2	25	6	97	0.00	0.0	2.458	0.083	12	3	2	5
PL.55833	PL.46040	A	6 A (CWC)	7.40Y	123.3	0.00	1.66	1.15	1	8	2	97	0.00	0.0	2.552	0.095	8	2	2	2
PL.55832	PL.46040	A	#2 ACSR	7.40Y	123.3	0.00	1.66	0.55	0	4	1	97	0.00	0.0	2.497	0.040	4	1	1	1
PL.53151	PL.53150	ABC	#1/0 ACSR	7.41Y	123.5	0.05	1.51	39.44	17	850	216	97	0.29	0.0	2.251	0.071	5	1	1	121
PL.56113	PL.53151	ABC	#1/0 ACSR	7.41Y	123.5	0.04	1.54	38.83	17	837	213	97	0.22	0.0	2.308	0.057	36	9	4	119
PL.56117	PL.56113	ABC	#1/0 ACSR	7.41Y	123.4	0.01	1.56	37.16	16	800	203	97	0.08	0.0	2.330	0.023	0	0	0	115
PL.56118	PL.56117	ABC	#1/0 ACSR	7.40Y	123.4	0.07	1.63	36.73	16	791	201	97	0.36	0.0	2.431	0.100	0	0	0	111
PL.56114	PL.56118	ABC	#1/0 ACSR	7.40Y	123.3	0.09	1.72	36.57	16	787	200	97	0.49	0.1	2.569	0.138	0	0	0	110
PL.46516	PL.56114	C	6 A (CWC)	7.40Y	123.3	0.00	1.72	3.61	3	26	7	97	0.00	0.0	2.570	0.001	0	0	0	2
PD.7292	PL.46516	C	40QA	7.40Y	123.3	0.00	1.72	3.61	9	26	7	97	0.00	0.0	2.570	0.001	0	0	0	2
PL.46517	PD.7292	C	#2 ACSR	7.40Y	123.3	0.00	1.72	3.61	2	26	7	97	0.00	0.0	2.583	0.013	11	3	1	2

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.52955	PL.46517	C	#4 ACSR	7.40Y	123.3	0.00	1.72	2.08	2	15	4	97	0.00	0.0	2.672	0.089	15	4	1	1
PL.53263	PL.56114	ABC	#1/0 ACSR	7.40Y	123.3	0.02	1.73	35.37	15	761	193	97	0.10	0.0	2.599	0.030	8	2	1	108
PL.53266	PL.53263	A	1/0 AL URD	7.40Y	123.3	0.00	1.74	15.22	9	109	27	97	0.00	0.0	2.602	0.003	0	0	0	20
PD.8092	PL.53266	A	40QA	7.40Y	123.3	0.00	1.74	15.22	38	109	27	97	0.00	0.0	2.602	0.003	0	0	0	20
PL.53262	PD.8092	A	1/0 AL URD	7.39Y	123.2	0.04	1.77	15.22	9	109	27	97	0.03	0.0	2.682	0.080	8	2	3	20
PL.53261	PL.53262	A	1/0 AL URD	7.39Y	123.2	0.03	1.80	14.07	8	101	25	97	0.02	0.0	2.760	0.077	23	6	2	17
PL.52978	PL.53261	A	1/0 AL URD	7.39Y	123.2	0.01	1.82	10.92	6	78	20	97	0.01	0.0	2.801	0.041	16	4	2	15
PL.52979	PL.52978	A	1/0 AL URD	7.39Y	123.2	0.01	1.83	8.66	5	62	16	97	0.00	0.0	2.842	0.042	11	3	4	13
PL.53153	PL.52979	A	1/0 AL URD	7.39Y	123.2	0.01	1.83	7.09	4	51	13	97	0.00	0.0	2.883	0.041	21	5	4	9
PL.53034	PL.53153	A	1/0 AL URD	7.39Y	123.2	0.01	1.84	4.12	2	30	7	97	0.00	0.0	2.939	0.055	8	2	2	5
PL.53037	PL.53034	A	1/0 AL URD	7.39Y	123.2	0.00	1.84	2.20	1	16	4	97	0.00	0.0	2.965	0.026	16	4	2	2
PL.53035	PL.53034	A	1/0 AL URD	7.39Y	123.2	0.00	1.84	0.81	0	6	1	99	0.00	0.0	3.038	0.100	6	1	1	1
PL.53036	PL.53035	A	1/0 AL URD	7.39Y	123.2	0.00	1.84	0.00	0	0	0	100	0.00	0.0	3.074	0.036	0	0	0	0
PL.53264	PL.53263	ABC	#1/0 ACSR	7.39Y	123.2	0.02	1.76	24.19	11	520	132	97	0.08	0.0	2.652	0.053	22	5	3	69
PL.52974	PL.53264	ABC	#1/0 ACSR	7.39Y	123.2	0.02	1.77	23.19	10	499	127	97	0.06	0.0	2.692	0.040	8	2	2	66
PL.52973	PL.52974	A	#2 ACSR	7.39Y	123.2	0.01	1.78	7.41	4	53	13	97	0.00	0.0	2.716	0.024	6	1	1	9
PL.52956	PL.52973	A	6 A (CWC)	7.39Y	123.2	0.00	1.78	6.62	5	47	12	97	0.00	0.0	2.721	0.005	0	0	0	8
PD.7994	PL.52956	A	30QA	7.39Y	123.2	0.00	1.78	6.62	22	47	12	97	0.00	0.0	2.721	0.005	0	0	0	8
PL.52957	PD.7994	A	6 A (CWC)	7.39Y	123.2	0.02	1.80	6.62	5	47	12	97	0.01	0.0	2.783	0.061	2	1	1	8
PL.52959	PL.52957	A	6 A (CWC)	7.39Y	123.2	0.02	1.81	6.29	4	45	11	97	0.01	0.0	2.844	0.062	4	1	1	7
PL.52958	PL.52959	A	6 A (CWC)	7.39Y	123.2	0.03	1.85	5.77	4	41	10	97	0.01	0.0	2.987	0.143	8	2	2	6
PL.53141	PL.52958	A	6 A (CWC)	7.39Y	123.1	0.02	1.87	4.70	3	34	8	97	0.00	0.0	3.118	0.131	14	4	2	4
PL.52960	PL.53141	A	6 A (CWC)	7.39Y	123.1	0.01	1.88	2.70	2	19	5	97	0.00	0.0	3.198	0.080	0	0	0	2
PL.52961	PL.52960	A	6 A (CWC)	7.39Y	123.1	0.00	1.89	2.70	2	19	5	97	0.00	0.0	3.248	0.050	10	3	1	2
PL.53142	PL.52961	A	1/0 AL URD	7.39Y	123.1	0.00	1.89	1.31	1	9	2	98	0.00	0.0	3.292	0.044	9	2	1	1
PL.52972	PL.52974	ABC	#1/0 ACSR	7.39Y	123.2	0.02	1.79	20.35	9	437	111	97	0.05	0.0	2.739	0.046	0	0	0	55
PL.52962	PL.52972	C	#2 ACSR	7.39Y	123.2	0.00	1.79	0.02	0	0	0	100	0.00	0.0	2.741	0.002	0	0	0	1
PD.8085	PL.52962	C	10QA	7.39Y	123.2	0.00	1.79	0.02	0	0	0	100	0.00	0.0	2.741	0.002	0	0	0	1
PL.53258	PD.8085	C	#2 ACSR	7.39Y	123.2	0.00	1.79	0.02	0	0	0	100	0.00	0.0	2.824	0.083	0	0	1	1
PL.56162	PL.52972	ABC	#1/0 ACSR	7.39Y	123.1	0.06	1.85	20.34	9	437	111	97	0.18	0.0	2.905	0.167	0	0	0	54
PL.56165	PL.56162	ABC	#1/0 ACSR	7.39Y	123.1	0.01	1.86	19.25	8	414	105	97	0.04	0.0	2.944	0.039	0	0	0	50

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.56166	PL.56165	ABC	#1/0 ACSR	7.39Y	123.1	0.02	1.89	18.82	8	404	103	97	0.06	0.0	3.012	0.068	10	3	1	49
PL.56164	PL.56166	ABC	#1/0 ACSR	7.39Y	123.1	0.01	1.90	18.35	8	394	100	97	0.04	0.0	3.055	0.043	0	0	0	48
PL.56110	PL.56164	ABC	#1/0 ACSR	7.38Y	123.1	0.02	1.92	17.70	8	380	96	97	0.05	0.0	3.120	0.065	1	0	1	47
PL.52963	PL.56110	ABC	#1/0 ACSR	7.38Y	123.0	0.05	1.97	17.63	8	379	96	97	0.14	0.0	3.287	0.167	0	0	0	46
PL.52966	PL.52963	C	#2 ACSR	7.38Y	123.0	0.00	1.97	3.76	2	27	7	97	0.00	0.0	3.291	0.004	0	0	0	4
PD.8088	PL.52966	C	10QA	7.38Y	123.0	0.00	1.97	3.76	0	27	7	97	0.00	0.0	3.291	0.004	0	0	0	4
PL.52967	PD.8088	C	#2 ACSR	7.38Y	123.0	0.00	1.98	3.76	2	27	7	97	0.00	0.0	3.342	0.051	27	7	4	4
PL.52968	PL.52963	ABC	#1/0 ACSR	7.38Y	123.0	0.03	2.01	15.91	7	341	87	97	0.08	0.0	3.402	0.115	0	0	0	41
PL.52969	PL.52968	ABC	#1/0 ACSR	7.38Y	123.0	0.01	2.02	12.39	5	266	68	97	0.02	0.0	3.459	0.056	8	2	2	30
PL.52971	PL.52969	ABC	#1/0 ACSR	7.38Y	123.0	0.01	2.03	12.03	5	258	66	97	0.01	0.0	3.491	0.032	0	0	0	28
PL.56097	PL.52971	B	6 A (CWC)	7.38Y	123.0	0.01	2.03	36.10	26	258	66	97	0.01	0.0	3.495	0.004	0	0	0	28
PD.8227	PL.56097	B	50QA	7.38Y	123.0	0.00	2.03	36.10	72	258	66	97	0.00	0.0	3.495	0.004	0	0	0	28
PL.56098	PD.8227	B	6 A (CWC)	7.36Y	122.7	0.26	2.29	36.10	26	258	66	97	0.49	0.2	3.655	0.160	10	2	3	28
PL.59782	PL.56098	B	6 A (CWC)	7.36Y	122.6	0.10	2.39	34.74	25	248	63	97	0.18	0.1	3.718	0.063	7	2	1	25
PL.59784	PL.59782	B	#1/0 ACSR	7.35Y	122.6	0.04	2.42	33.83	15	241	61	97	0.06	0.0	3.765	0.047	0	0	0	24
PL.63550	PL.59784	B	#1/0 ACSR	7.35Y	122.5	0.04	2.47	33.83	15	241	61	97	0.06	0.0	3.822	0.057	26	6	2	24
PL.63551	PL.63550	B	#1/0 ACSR	7.35Y	122.4	0.10	2.56	30.24	13	216	54	97	0.13	0.1	3.976	0.154	31	8	6	22
PL.59783	PL.63551	B	6 A (CWC)	7.34Y	122.3	0.11	2.67	25.83	18	184	46	97	0.15	0.1	4.068	0.092	0	0	0	16
PL.45961	PL.59783	B	6 A (CWC)	7.33Y	122.2	0.16	2.84	16.38	12	117	29	97	0.14	0.1	4.300	0.231	11	3	1	13
PL.45960	PL.45961	B	6 A (CWC)	7.33Y	122.1	0.07	2.90	14.77	11	105	26	97	0.05	0.0	4.404	0.104	10	2	1	12
PL.56063	PL.45960	B	#2 ACSR	7.32Y	122.0	0.08	2.98	12.73	7	90	23	97	0.05	0.1	4.605	0.201	0	0	0	10
PL.56090	PL.56063	B	#1/0 ACSR	7.32Y	122.0	0.00	2.99	4.37	2	31	8	97	0.00	0.0	4.653	0.048	13	3	1	3
PL.57577	PL.56090	B	#1/0 ACSR	7.32Y	122.0	0.00	2.99	2.50	1	18	4	98	0.00	0.0	4.738	0.085	0	0	0	2
PL.57579	PL.57577	B	#1/0 ACSR	7.32Y	122.0	0.00	2.99	2.50	1	18	4	98	0.00	0.0	4.786	0.048	10	2	1	2
PL.57580	PL.57579	B	#1/0 ACSR	7.32Y	122.0	0.00	2.99	1.14	0	8	2	97	0.00	0.0	4.790	0.003	0	0	0	1
PD.8379	PL.57580	B	15QA	7.32Y	122.0	0.00	2.99	1.14	0	8	2	97	0.00	0.0	4.790	0.003	0	0	0	1
PL.57581	PD.8379	B	#1/0 ACSR	7.32Y	122.0	0.00	2.99	1.14	0	8	2	97	0.00	0.0	4.843	0.054	8	2	1	1
PL.57578	PL.57577	B	#1/0 ACSR	7.32Y	122.0	0.00	2.99	0.00	0	0	0	100	0.00	0.0	4.773	0.035	0	0	0	0
PL.56212	PL.56063	B	#2 ACSR	7.32Y	122.0	0.03	3.01	8.36	5	59	15	97	0.01	0.0	4.712	0.108	11	3	1	7
PL.64354	PL.56212	B	#2 ACSR	7.32Y	122.0	0.01	3.02	6.79	4	48	12	97	0.00	0.0	4.770	0.057	5	1	1	6
PL.64355	PL.64354	B	#2 ACSR	7.32Y	122.0	0.00	3.02	6.05	3	43	11	97	0.00	0.0	4.770	0.000	15	4	1	5

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

Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.59532	PL.64355	B	6 A (CWC)	7.32Y	122.0	0.01	3.03	3.91	3	28	7	97	0.00	0.0	4.822	0.052	1	0	1	4
PL.63592	PL.59532	B	6 A (CWC)	7.32Y	122.0	0.01	3.04	3.79	3	27	7	97	0.00	0.0	4.887	0.065	0	0	0	3
PL.63593	PL.63592	B	#2 ACSR	7.32Y	122.0	0.01	3.05	3.41	2	24	6	97	0.00	0.0	5.064	0.177	24	6	2	2
PL.63594	PL.63592	B	#1/0 ACSR	7.32Y	122.0	0.00	3.04	0.37	0	3	1	95	0.00	0.0	4.906	0.019	0	0	0	1
PL.63595	PL.63594	B	#1/0 ACSR	7.32Y	122.0	0.00	3.04	0.37	0	3	1	95	0.00	0.0	4.973	0.066	0	0	0	1
PL.63596	PL.63595	B	#1/0 ACSR	7.32Y	122.0	0.00	3.04	0.37	0	3	1	95	0.00	0.0	5.010	0.037	3	1	1	1
PL.46484	PL.45960	B	#2 ACSR	7.33Y	122.1	0.00	2.90	0.65	0	5	1	98	0.00	0.0	4.516	0.113	5	1	1	1
PL.53253	PL.59783	B	6 A (CWC)	7.34Y	122.3	0.03	2.70	9.45	7	67	17	97	0.02	0.0	4.139	0.071	1	0	1	3
PL.53254	PL.53253	B	6 A (CWC)	7.34Y	122.3	0.01	2.72	9.35	7	67	17	97	0.01	0.0	4.173	0.034	16	4	1	2
PL.53256	PL.53254	B	6 A (CWC)	7.34Y	122.3	0.01	2.73	7.07	5	50	13	97	0.01	0.0	4.217	0.044	0	0	0	1
PL.53257	PL.53256	B	6 A (CWC)	7.34Y	122.3	0.00	2.73	7.07	5	50	13	97	0.00	0.0	4.242	0.024	50	13	1	1
PL.53255	PL.53257	B	6 A (CWC)	7.34Y	122.3	0.00	2.73	0.00	0	0	0	100	0.00	0.0	4.263	0.021	0	0	0	0
PL.52970	PL.52968	A	#2 ACSR	7.38Y	123.0	0.00	2.01	10.55	6	75	19	97	0.00	0.0	3.406	0.004	0	0	0	11
PD.8089	PL.52970	A	20QA	7.38Y	123.0	0.00	2.01	10.55	53	75	19	97	0.00	0.0	3.406	0.004	0	0	0	11
PL.59534	PD.8089	A	#2 ACSR	7.38Y	123.0	0.01	2.02	10.55	6	75	19	97	0.00	0.0	3.438	0.032	18	5	2	11
PL.59533	PL.59534	A	#4 ACSR	7.38Y	123.0	0.02	2.04	8.00	6	57	14	97	0.01	0.0	3.509	0.071	17	4	1	9
PL.53273	PL.59533	A	#4 ACSR	7.38Y	123.0	0.01	2.04	5.68	4	41	10	97	0.00	0.0	3.533	0.024	0	0	1	8
PL.63537	PL.53273	A	#4 ACSR	7.38Y	123.0	0.00	2.04	5.68	4	41	10	97	0.00	0.0	3.533	0.000	5	1	1	7
PL.63538	PL.63537	A	#4 ACSR	7.38Y	122.9	0.01	2.05	4.95	4	35	9	97	0.00	0.0	3.584	0.051	7	2	1	6
PL.53269	PL.63538	A	#4 ACSR	7.38Y	122.9	0.00	2.06	1.70	1	12	3	97	0.00	0.0	3.642	0.058	0	0	0	3
PL.53270	PL.53269	A	#4 ACSR	7.38Y	122.9	0.00	2.06	1.70	1	12	3	97	0.00	0.0	3.706	0.063	12	3	3	3
PL.53274	PL.63538	A	#4 ACSR	7.38Y	122.9	0.00	2.05	2.33	2	17	4	97	0.00	0.0	3.598	0.013	17	4	2	2
PL.52964	PL.52963	C	#2 ACSR	7.38Y	123.0	0.00	1.97	1.42	1	10	3	96	0.00	0.0	3.290	0.003	0	0	0	1
PD.8087	PL.52964	C	10QA	7.38Y	123.0	0.00	1.97	1.42	0	10	3	96	0.00	0.0	3.290	0.003	0	0	0	1
PL.52965	PD.8087	C	#2 ACSR	7.38Y	123.0	0.00	1.97	1.42	1	10	3	96	0.00	0.0	3.317	0.027	10	3	1	1
PL.56111	PL.56164	B	#1/0 ACSR	7.39Y	123.1	0.00	1.90	1.96	1	14	4	96	0.00	0.0	3.059	0.004	0	0	0	1
PD.8290	PL.56111	B	10QA	7.39Y	123.1	0.00	1.90	1.96	0	14	4	96	0.00	0.0	3.059	0.004	0	0	0	1
PL.56112	PD.8290	B	#1/0 ACSR	7.39Y	123.1	0.00	1.90	1.96	1	14	4	96	0.00	0.0	3.081	0.022	14	4	1	1
PL.56167	PL.56165	C	#1/0 ACSR	7.39Y	123.1	0.00	1.86	1.29	1	9	2	98	0.00	0.0	2.949	0.004	0	0	0	1
PD.8238	PL.56167	C	10QA	7.39Y	123.1	0.00	1.86	1.29	0	9	2	98	0.00	0.0	2.949	0.004	0	0	0	1
PL.56168	PD.8238	C	#1/0 ACSR	7.39Y	123.1	0.00	1.86	1.29	1	9	2	98	0.00	0.0	3.015	0.066	9	2	1	1

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.56163	PL.56162	C	#2 ACSR	7.39Y	123.1	0.00	1.85	3.28	2	23	6	97	0.00	0.0	2.909	0.004	0	0	0	4
PD.8086	PL.56163	C	10QA	7.39Y	123.1	0.00	1.85	3.28	0	23	6	97	0.00	0.0	2.909	0.004	0	0	0	4
PL.53260	PD.8086	C	#2 ACSR	7.39Y	123.1	0.01	1.86	3.28	2	23	6	97	0.00	0.0	3.010	0.101	15	4	3	4
PL.53259	PL.53260	C	#2 ACSR	7.39Y	123.1	0.00	1.86	1.18	1	8	2	97	0.00	0.0	3.027	0.016	8	2	1	1
PL.53267	PL.53263	A	1/0 AL URD	7.40Y	123.3	0.00	1.74	17.13	10	123	31	97	0.00	0.0	2.603	0.004	0	0	0	18
PD.8093	PL.53267	A	40QA	7.40Y	123.3	0.00	1.74	17.13	43	123	31	97	0.00	0.0	2.603	0.004	0	0	0	18
PL.53268	PD.8093	A	1/0 AL URD	7.39Y	123.2	0.03	1.77	17.13	10	123	31	97	0.03	0.0	2.667	0.064	9	2	1	18
PL.53265	PL.53268	A	1/0 AL URD	7.39Y	123.2	0.02	1.79	15.81	9	113	29	97	0.02	0.0	2.707	0.040	15	4	2	17
PL.53298	PL.53265	A	1/0 AL URD	7.39Y	123.2	0.01	1.80	13.70	8	98	25	97	0.01	0.0	2.740	0.033	0	0	0	15
PL.53299	PL.53298	A	1/0 AL URD	7.39Y	123.2	0.02	1.82	9.19	5	66	17	97	0.01	0.0	2.814	0.074	11	3	1	10
PL.52975	PL.53299	A	1/0 AL URD	7.39Y	123.2	0.02	1.84	7.62	4	55	14	97	0.01	0.0	2.889	0.075	15	4	3	9
PL.52976	PL.52975	A	1/0 AL URD	7.39Y	123.2	0.00	1.84	5.48	3	39	10	97	0.00	0.0	2.925	0.036	15	4	2	6
PL.52977	PL.52976	A	1/0 AL URD	7.39Y	123.2	0.00	1.84	3.40	2	24	6	97	0.00	0.0	2.964	0.039	15	4	2	4
PL.59445	PL.52977	A	1/0 AL URD	7.39Y	123.2	0.00	1.85	1.25	1	9	2	98	0.00	0.0	3.003	0.039	9	2	2	2
PL.59446	PL.59445	A	1/0 AL URD	7.39Y	123.2	0.00	1.85	0.00	0	0	0	100	0.00	0.0	3.010	0.007	0	0	0	0
PL.53300	PL.53298	A	1/0 AL URD	7.39Y	123.2	0.00	1.81	1.78	1	13	3	97	0.00	0.0	2.802	0.062	3	1	1	2
PL.53297	PL.53300	A	1/0 AL URD	7.39Y	123.2	0.00	1.81	1.33	1	10	2	98	0.00	0.0	2.844	0.043	10	2	1	1
PL.53302	PL.53297	A	1/0 AL URD	7.39Y	123.2	0.00	1.81	0.00	0	0	0	100	0.00	0.0	2.880	0.036	0	0	0	0
PL.53303	PL.53302	A	1/0 AL URD	7.39Y	123.2	0.00	1.81	0.00	0	0	0	100	0.00	0.0	2.888	0.008	0	0	0	0
PL.53301	PL.53298	A	1/0 AL URD	7.39Y	123.2	0.00	1.80	2.73	2	20	5	97	0.00	0.0	2.799	0.059	20	5	3	3
PL.53304	PL.53301	A	1/0 AL URD	7.39Y	123.2	0.00	1.80	0.00	0	0	0	100	0.00	0.0	2.838	0.038	0	0	0	0
PL.53305	PL.53304	A	1/0 AL URD	7.39Y	123.2	0.00	1.80	0.00	0	0	0	100	0.00	0.0	2.878	0.040	0	0	0	0
PL.53306	PL.53305	A	1/0 AL URD	7.39Y	123.2	0.00	1.80	0.00	0	0	0	100	0.00	0.0	2.896	0.018	0	0	0	0
PL.56115	PL.56118	C	#2 ACSR	7.40Y	123.4	0.00	1.63	0.49	0	4	1	97	0.00	0.0	2.433	0.002	0	0	0	1
PD.7992	PL.56115	C	10QA	7.40Y	123.4	0.00	1.63	0.49	0	4	1	97	0.00	0.0	2.433	0.002	0	0	0	1
PL.52953	PD.7992	C	#2 ACSR	7.40Y	123.4	0.00	1.63	0.49	0	4	1	97	0.00	0.0	2.446	0.013	4	1	1	1
PL.56116	PL.56118	C	#2 ACSR	7.40Y	123.4	0.00	1.63	0.00	0	0	0	100	0.00	0.0	2.433	0.002	0	0	0	0
PD.7993	PL.56116	C	10QA	7.40Y	123.4	0.00	1.63	0.00	0	0	0	100	0.00	0.0	2.433	0.002	0	0	0	0
PL.52954	PD.7993	C	#2 ACSR	7.40Y	123.4	0.00	1.63	0.00	0	0	0	100	0.00	0.0	2.468	0.035	0	0	0	0
PL.56119	PL.56117	C	#1/0 ACSR	7.41Y	123.4	0.00	1.56	1.28	1	9	2	98	0.00	0.0	2.394	0.064	0	0	0	4
PL.56120	PL.56119	C	#1/0 ACSR	7.41Y	123.4	0.00	1.56	0.00	0	0	0	100	0.00	0.0	2.415	0.020	0	0	1	1

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.56121	PL.56119	C	#1/0 ACSR	7.41Y	123.4	0.00	1.56	1.28	1	9	2	98	0.00	0.0	2.444	0.050	0	0	0	3
PL.56122	PL.56121	C	#1/0 ACSR	7.41Y	123.4	0.00	1.56	1.28	1	9	2	98	0.00	0.0	2.479	0.035	0	0	0	3
PL.56123	PL.56122	C	#1/0 ACSR	7.41Y	123.4	0.00	1.56	1.28	1	9	2	98	0.00	0.0	2.513	0.034	9	2	3	3
PL.53152	PL.53151	C	#2 ACSR	7.41Y	123.5	0.00	1.51	1.17	1	8	2	97	0.00	0.0	2.252	0.002	0	0	0	1
PD.7991	PL.53152	C	10QA	7.41Y	123.5	0.00	1.51	1.17	0	8	2	97	0.00	0.0	2.252	0.002	0	0	0	1
PL.56583	PD.7991	C	#2 ACSR	7.41Y	123.5	0.00	1.51	1.17	1	8	2	97	0.00	0.0	2.276	0.023	8	2	1	1
PL.56373	PL.56371	A	#2 ACSR	7.42Y	123.7	0.00	1.30	1.57	1	11	3	96	0.00	0.0	2.011	0.003	0	0	0	1
PD.7989	PL.56373	A	10QA	7.42Y	123.7	0.00	1.30	1.57	0	11	3	96	0.00	0.0	2.011	0.003	0	0	0	1
PL.53147	PD.7989	A	#2 ACSR	7.42Y	123.7	0.00	1.30	1.57	1	11	3	96	0.00	0.0	2.037	0.026	11	3	1	1
PL.56372	PL.56371	ABC	336 MCM AC	7.42Y	123.7	0.01	1.31	25.12	5	542	139	97	0.04	0.0	2.084	0.076	2	1	1	65
PL.53144	PL.56372	ABC	336 MCM AC	7.42Y	123.7	0.02	1.33	25.01	5	539	138	97	0.05	0.0	2.174	0.090	7	2	3	64
PL.56185	PL.53144	ABC	336 MCM AC	7.42Y	123.7	0.01	1.34	23.85	5	514	131	97	0.04	0.0	2.250	0.076	9	2	1	58
PL.56186	PL.56185	ABC	336 MCM AC	7.42Y	123.6	0.01	1.35	23.44	5	505	129	97	0.02	0.0	2.300	0.051	0	0	0	57
PL.56129	PL.56186	C	#2 ACSR	7.42Y	123.6	0.00	1.35	1.61	1	12	3	97	0.00	0.0	2.304	0.004	0	0	0	1
PD.8291	PL.56129	C	40QA	7.42Y	123.6	0.00	1.35	1.61	4	12	3	97	0.00	0.0	2.304	0.004	0	0	0	1
PL.56191	PD.8291	C	#2 ACSR	7.42Y	123.6	0.00	1.35	1.61	1	12	3	97	0.00	0.0	2.376	0.072	12	3	1	1
PL.63622	PL.56186	ABC	336 MCM AC	7.42Y	123.6	0.01	1.37	22.90	4	494	126	97	0.04	0.0	2.383	0.083	1	0	1	56
PL.63623	PL.63622	ABC	336 MCM AC	7.42Y	123.6	0.02	1.39	22.83	4	492	126	97	0.06	0.0	2.511	0.128	0	0	0	55
PL.63625	PL.63623	C	#1/0 ACSR	7.42Y	123.6	0.00	1.39	1.43	1	10	3	96	0.00	0.0	2.516	0.005	0	0	0	2
PD.8235	PL.63625	C	20QA	7.42Y	123.6	0.00	1.39	1.43	7	10	3	96	0.00	0.0	2.516	0.005	0	0	0	2
PL.56274	PD.8235	C	#1/0 ACSR	7.42Y	123.6	0.00	1.39	1.43	1	10	3	96	0.00	0.0	2.572	0.056	10	3	2	2
PL.63624	PL.63623	ABC	336 MCM AC	7.42Y	123.6	0.01	1.40	22.36	4	482	123	97	0.03	0.0	2.571	0.061	0	0	1	53
PL.56366	PL.63624	ABC	336 MCM AC	7.42Y	123.6	0.01	1.40	22.36	4	482	123	97	0.02	0.0	2.620	0.049	0	0	0	52
PL.56367	PL.56366	ABC	336 MCM AC	7.41Y	123.6	0.02	1.43	22.36	4	482	123	97	0.06	0.0	2.753	0.133	9	2	1	52
PL.56548	PL.56367	A	#2 ACSR	7.41Y	123.6	0.00	1.43	0.00	0	0	0	100	0.00	0.0	2.757	0.003	0	0	0	0
PD.8307	PL.56548	A	60QA	7.41Y	123.6	0.00	1.43	0.00	0	0	0	100	0.00	0.0	2.757	0.003	0	0	0	0
PL.56547	PD.8307	A	#2 ACSR	7.41Y	123.6	0.00	1.43	0.00	0	0	0	100	0.00	0.0	2.829	0.072	0	0	0	0
PL.56549	PL.56367	ABC	336 MCM AC	7.41Y	123.6	0.01	1.44	21.92	4	473	120	97	0.03	0.0	2.836	0.083	0	0	0	51
PL.56550	PL.56549	ABC	336 MCM AC	7.41Y	123.5	0.02	1.46	21.01	4	453	115	97	0.06	0.0	3.000	0.164	0	0	0	49
PL.46226	PL.56550	ABC	336 MCM AC	7.41Y	123.5	0.02	1.48	21.01	4	453	115	97	0.05	0.0	3.134	0.134	0	0	0	49
PL.59448	PL.46226	ABC	336 MCM AC	7.41Y	123.5	0.01	1.49	20.48	4	441	112	97	0.02	0.0	3.202	0.068	11	3	1	45

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: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.59449	PL.59448	ABC	336 MCM AC	7.41Y	123.5	0.01	1.50	19.96	4	430	109	97	0.02	0.0	3.258	0.055	0	0	0	44
PL.46312	PL.59449	A	#3/0 ACSR	7.41Y	123.5	0.00	1.50	3.68	1	26	7	97	0.00	0.0	3.259	0.001	0	0	0	4
PD.7212	PL.46312	A	60QA	7.41Y	123.5	0.00	1.50	3.68	6	26	7	97	0.00	0.0	3.259	0.001	0	0	0	4
PL.59706	PD.7212	A	#3/0 ACSR	7.41Y	123.5	0.00	1.50	3.68	1	26	7	97	0.00	0.0	3.315	0.056	26	7	4	4
PL.47105	PL.59449	ABC	336 MCM AC	7.41Y	123.5	0.04	1.55	18.73	4	404	103	97	0.10	0.0	3.584	0.326	0	0	0	40
RG.48	PL.47105	ABC	114.3 KVA	7.45Y	124.2	-0.78	0.77	18.73	12	404	102	97	percent Boost= 0.62 Tap= 1.0							40
PL.47106	RG.48	ABC	336 MCM AC	7.45Y	124.2	0.00	0.77	18.62	4	404	102	97	0.00	0.0	3.585	0.001	0	0	0	40
PL.46759	PL.47106	ABC	336 MCM AC	7.45Y	124.2	0.03	0.80	18.62	4	404	102	97	0.07	0.0	3.815	0.231	0	0	0	40
PD.7305-A	PL.46759	ABC	Closed	7.45Y	124.2	0.00	0.80	18.62	0	403	102	97	0.00	0.0	3.815	0.231	0	0	0	40
PD.7305-B	PD.7305-A	ABC	Closed	7.45Y	124.2	0.00	0.80	18.62	0	403	102	97	0.00	0.0	3.815	0.231	0	0	0	40
PL.46600	PD.7305-B	ABC	336 MCM AC	7.45Y	124.2	0.05	0.85	18.62	4	403	102	97	0.10	0.0	4.151	0.335	0	0	0	40
PL.46601	PL.46600	ABC	336 MCM AC	7.44Y	124.1	0.08	0.93	18.62	4	403	102	97	0.18	0.0	4.781	0.630	0	0	1	40
PL.58482	PL.46601	B	6 A (CWC)	7.44Y	124.1	0.00	0.93	5.98	4	43	11	97	0.00	0.0	4.783	0.002	0	0	0	6
PD.8691	PL.58482	B	50T	7.44Y	124.1	0.00	0.93	5.98	0	43	11	97	0.00	0.0	4.783	0.002	0	0	0	6
PL.58483	PD.8691	B	6 A (CWC)	7.44Y	124.1	0.01	0.94	5.98	4	43	11	97	0.00	0.0	4.814	0.031	0	0	0	6
PL.58480	PL.58483	B	6 A (CWC)	7.44Y	124.1	0.00	0.94	0.00	0	0	0	100	0.00	0.0	5.086	0.272	0	0	0	0
PL.56036	PL.58480	B	6 A (CWC)	7.44Y	124.1	0.00	0.94	0.00	0	0	0	100	0.00	0.0	5.193	0.108	0	0	0	0
PL.58481	PL.58483	B	#2 ACSR	7.44Y	124.0	0.03	0.97	5.98	3	43	11	97	0.01	0.0	4.975	0.161	1	0	2	6
PL.56024	PL.58481	B	#2 ACSR	7.44Y	124.0	0.01	0.98	5.89	3	42	11	97	0.00	0.0	5.031	0.056	19	5	1	4
PL.56025	PL.56024	B	#2 ACSR	7.44Y	124.0	0.00	0.98	3.22	2	23	6	97	0.00	0.0	5.046	0.015	23	6	3	3
PL.46700	PL.46601	ABC	336 MCM AC	7.44Y	124.1	0.02	0.95	16.62	3	360	91	97	0.03	0.0	4.929	0.148	0	0	0	33
PL.46643	PL.46700	ABC	336 MCM AC	7.44Y	124.0	0.02	0.97	16.62	3	360	91	97	0.04	0.0	5.088	0.159	15	4	1	33
PL.46556	PL.46643	C	#4 ACSR	7.44Y	124.0	0.00	0.97	2.48	2	18	4	98	0.00	0.0	5.090	0.002	0	0	0	1
PD.7242	PL.46556	C	60QA	7.44Y	124.0	0.00	0.97	2.48	4	18	4	98	0.00	0.0	5.090	0.002	0	0	0	1
PL.46557	PD.7242	C	#4 ACSR	7.44Y	124.0	0.00	0.97	2.48	2	18	4	98	0.00	0.0	5.165	0.075	18	4	1	1
PL.46641	PL.46643	ABC	336 MCM AC	7.44Y	124.0	0.01	0.97	15.11	3	327	82	97	0.01	0.0	5.156	0.069	17	4	2	31
PL.46642	PL.46641	ABC	336 MCM AC	7.44Y	124.0	0.00	0.98	14.32	3	310	78	97	0.00	0.0	5.177	0.021	27	7	2	29
PL.46558	PL.46642	ABC	336 MCM AC	7.44Y	124.0	0.00	0.98	13.08	3	283	71	97	0.00	0.0	5.210	0.033	11	3	1	27
PL.46559	PL.46558	ABC	336 MCM AC	7.44Y	124.0	0.00	0.98	12.55	2	272	68	97	0.00	0.0	5.238	0.028	10	2	1	26
PL.46560	PL.46559	ABC	336 MCM AC	7.44Y	124.0	0.00	0.98	12.11	2	262	66	97	0.00	0.0	5.269	0.031	32	8	3	25
PL.46561	PL.46560	B	#2 ACSR	7.44Y	124.0	0.00	0.98	0.00	0	0	0	100	0.00	0.0	5.270	0.000	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: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.7243	PL.46561	B	40QA	7.44Y	124.0	0.00	0.98	0.00	0	0	0	100	0.00	0.0	5.270	0.000	0	0	0	0
PL.46562	PD.7243	B	#2 ACSR	7.44Y	124.0	0.00	0.98	0.00	0	0	0	100	0.00	0.0	5.311	0.042	0	0	0	0
PL.46192	PL.46560	ABC	336 MCM AC	7.44Y	124.0	0.00	0.99	10.65	2	230	58	97	0.00	0.0	5.309	0.039	21	5	2	22
PL.46565	PL.46192	ABC	336 MCM AC	7.44Y	124.0	0.00	0.99	9.25	2	200	50	97	0.00	0.0	5.371	0.063	21	5	4	19
PL.46616	PL.46565	C	#4 ACSR	7.44Y	124.0	0.00	0.99	1.43	1	10	3	96	0.00	0.0	5.372	0.000	0	0	0	1
PD.7005	PL.46616	C	50QA	7.44Y	124.0	0.00	0.99	1.43	3	10	3	96	0.00	0.0	5.372	0.000	0	0	0	1
PL.54746	PD.7005	C	#4 ACSR	7.44Y	124.0	0.00	0.99	1.43	1	10	3	96	0.00	0.0	5.435	0.064	10	3	1	1
PL.46566	PL.46565	ABC	336 MCM AC	7.44Y	124.0	0.00	0.99	5.80	1	126	32	97	0.00	0.0	5.403	0.032	0	0	0	11
PL.59769	PL.46566	ABC	336 MCM AC	7.44Y	124.0	0.00	0.99	5.37	1	116	29	97	0.00	0.0	5.459	0.056	0	0	0	9
PL.59771	PL.59769	C	#4 ACSR	7.44Y	124.0	0.00	1.00	9.79	8	71	18	97	0.00	0.0	5.463	0.003	0	0	0	6
PD.8955	PL.59771	C	25T	7.44Y	124.0	0.00	1.00	9.79	0	71	18	97	0.00	0.0	5.463	0.003	0	0	0	6
PL.59772	PD.8955	C	#4 ACSR	7.44Y	124.0	0.02	1.02	9.79	8	71	18	97	0.01	0.0	5.515	0.052	12	3	1	6
PL.59770	PL.59772	C	#4 ACSR	7.44Y	124.0	0.01	1.03	8.14	6	59	15	97	0.00	0.0	5.552	0.038	23	6	2	5
PL.54188	PL.59770	C	#4 ACSR	7.44Y	124.0	0.00	1.03	4.89	4	35	9	97	0.00	0.0	5.579	0.026	10	3	1	3
PL.54755	PL.54188	C	#4 ACSR	7.44Y	124.0	0.00	1.04	3.46	3	25	6	97	0.00	0.0	5.613	0.035	25	6	2	2
PL.59773	PL.59769	A	#4 ACSR	7.44Y	124.0	0.00	1.00	6.33	5	46	11	97	0.00	0.0	5.463	0.003	0	0	0	3
PD.8956	PL.59773	A	25T	7.44Y	124.0	0.00	1.00	6.33	0	46	11	97	0.00	0.0	5.463	0.003	0	0	0	3
PL.59774	PD.8956	A	#4 ACSR	7.44Y	124.0	0.01	1.00	6.33	5	46	11	97	0.00	0.0	5.502	0.040	46	11	3	3
PL.59768	PL.59769	ABC	336 MCM AC	7.44Y	124.0	0.00	0.99	0.00	0	0	0	100	0.00	0.0	5.513	0.054	0	0	0	0
PD.8140-B	PL.59768	ABC	Open	7.44Y	124.0	0.00	0.99	0.00	0	0	0	100	0.00	0.0	5.513	0.054	0	0	0	0
PL.44969	PL.46566	ABC	336 MCM AC	7.44Y	124.0	0.00	0.99	0.43	0	9	2	98	0.00	0.0	5.484	0.080	0	0	0	2
PL.46201	PL.44969	A	#4 ACSR	7.44Y	124.0	0.00	0.99	0.65	1	5	1	98	0.00	0.0	5.548	0.065	5	1	1	1
PL.46193	PL.44969	A	#4 ACSR	7.44Y	124.0	0.00	0.99	0.63	0	5	1	98	0.00	0.0	5.484	0.000	0	0	0	1
PD.7277	PL.46193	A	60QA	7.44Y	124.0	0.00	0.99	0.63	1	5	1	98	0.00	0.0	5.484	0.000	0	0	0	1
PL.54756	PD.7277	A	#4 ACSR	7.44Y	124.0	0.00	0.99	0.63	0	5	1	98	0.00	0.0	5.554	0.070	5	1	1	1
PL.46567	PL.46565	A	#4 ACSR	7.44Y	124.0	0.00	0.99	6.05	5	44	11	97	0.00	0.0	5.372	0.000	0	0	0	3
PD.6990	PL.46567	A	50QA	7.44Y	124.0	0.00	0.99	6.05	12	44	11	97	0.00	0.0	5.372	0.000	0	0	0	3
PL.54745	PD.6990	A	#4 ACSR	7.44Y	124.0	0.00	0.99	6.05	5	44	11	97	0.00	0.0	5.397	0.025	44	11	3	3
PL.46563	PL.46192	C	#2 ACSR	7.44Y	124.0	0.00	0.99	1.26	1	9	2	98	0.00	0.0	5.309	0.000	0	0	0	1
PD.7247	PL.46563	C	40QA	7.44Y	124.0	0.00	0.99	1.26	3	9	2	98	0.00	0.0	5.309	0.000	0	0	0	1
PL.46564	PD.7247	C	#2 ACSR	7.44Y	124.0	0.00	0.99	1.26	1	9	2	98	0.00	0.0	5.328	0.019	9	2	1	1

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.46701	PL.46700	A	#4 ACSR	7.44Y	124.1	0.00	0.95	0.00	0	0	0	100	0.00	0.0	4.932	0.003	0	0	0	0
PD.7250	PL.46701	A	60QA	7.44Y	124.1	0.00	0.95	0.00	0	0	0	100	0.00	0.0	4.932	0.003	0	0	0	0
PL.46702	PD.7250	A	#4 ACSR	7.44Y	124.1	0.00	0.95	0.00	0	0	0	100	0.00	0.0	5.022	0.090	0	0	0	0
PL.47103	PL.46226	A	#1/0 ACSR	7.41Y	123.5	0.00	1.49	1.59	1	11	3	96	0.00	0.0	3.195	0.061	0	0	0	4
PL.47104	PL.47103	A	#1/0 ACSR	7.41Y	123.5	0.00	1.49	0.00	0	0	0	100	0.00	0.0	3.216	0.021	0	0	0	0
PL.56578	PL.47103	A	#1/0 ACSR	7.41Y	123.5	0.00	1.49	1.59	1	11	3	96	0.00	0.0	3.249	0.054	0	0	0	4
PL.56579	PL.56578	A	#1/0 ACSR	7.41Y	123.5	0.00	1.49	1.59	1	11	3	96	0.00	0.0	3.273	0.024	11	3	4	4
PL.56551	PL.56549	A	#1/0 ACSR	7.41Y	123.6	0.00	1.44	2.73	1	20	5	97	0.00	0.0	2.840	0.004	0	0	0	2
PD.8308	PL.56551	A	20QA	7.41Y	123.6	0.00	1.44	2.73	14	20	5	97	0.00	0.0	2.840	0.004	0	0	0	2
PL.56552	PD.8308	A	#1/0 ACSR	7.41Y	123.6	0.00	1.44	2.73	1	20	5	97	0.00	0.0	2.891	0.051	20	5	2	2
PL.56368	PL.56366	C	#1/0 ACSR	7.42Y	123.6	0.00	1.40	0.00	0	0	0	100	0.00	0.0	2.624	0.003	0	0	0	0
PD.8312	PL.56368	C	10QA	7.42Y	123.6	0.00	1.40	0.00	0	0	0	100	0.00	0.0	2.624	0.003	0	0	0	0
PL.56369	PD.8312	C	#1/0 ACSR	7.42Y	123.6	0.00	1.40	0.00	0	0	0	100	0.00	0.0	2.650	0.027	0	0	0	0
PL.56248	PL.63624	C	#1/0 ACSR	7.42Y	123.6	0.00	1.40	0.00	0	0	0	100	0.00	0.0	2.576	0.004	0	0	0	0
PD.8239	PL.56248	C	10QA	7.42Y	123.6	0.00	1.40	0.00	0	0	0	100	0.00	0.0	2.576	0.004	0	0	0	0
PL.56249	PD.8239	C	#1/0 ACSR	7.42Y	123.6	0.00	1.40	0.00	0	0	0	100	0.00	0.0	2.606	0.030	0	0	0	0
PL.47102	PL.53144	C	#2 ACSR	7.42Y	123.7	0.00	1.33	2.43	1	17	4	97	0.00	0.0	2.175	0.001	0	0	0	3
PD.7290	PL.47102	C	60QA	7.42Y	123.7	0.00	1.33	2.43	4	17	4	97	0.00	0.0	2.175	0.001	0	0	0	3
PL.47003	PD.7290	C	#2 ACSR	7.42Y	123.7	0.01	1.34	2.43	1	17	4	97	0.00	0.0	2.364	0.189	9	2	1	3
PL.47004	PL.47003	C	#2 ACSR	7.42Y	123.7	0.00	1.34	1.24	1	9	2	98	0.00	0.0	2.398	0.034	8	2	1	2
PL.47005	PL.47004	C	#2 ACSR	7.42Y	123.7	0.00	1.34	0.06	0	0	0	100	0.00	0.0	2.469	0.070	0	0	1	1
PL.53146	PL.46313	A	#1/0 ACSR	7.43Y	123.8	0.00	1.19	1.06	0	8	2	97	0.00	0.0	1.826	0.020	8	2	1	1
PL.47109	PL.47107	A	#2 ACSR	7.44Y	123.9	0.00	1.05	0.00	0	0	0	100	0.00	0.0	1.572	0.001	0	0	0	0
PD.7240	PL.47109	A	75QA	7.44Y	123.9	0.00	1.05	0.00	0	0	0	100	0.00	0.0	1.572	0.001	0	0	0	0
PL.47110	PD.7240	A	#2 ACSR	7.44Y	123.9	0.00	1.05	0.00	0	0	0	100	0.00	0.0	1.637	0.064	0	0	0	0
PL.46191	PL.47107	A	#4 ACSR	7.44Y	123.9	0.00	1.05	1.01	1	7	2	96	0.00	0.0	1.730	0.158	7	2	1	1
PL.46998	PL.47056	A	6 A (CWC)	7.45Y	124.1	0.00	0.87	4.22	3	31	8	97	0.00	0.0	1.256	0.001	0	0	0	4
PD.7003	PL.46998	A	75QA	7.45Y	124.1	0.00	0.87	4.22	6	31	8	97	0.00	0.0	1.256	0.001	0	0	0	4
PL.46038	PD.7003	A	6 A (CWC)	7.45Y	124.1	0.01	0.87	4.22	3	31	8	97	0.00	0.0	1.293	0.037	4	1	1	4
PL.54867	PL.46038	A	6 A (CWC)	7.45Y	124.1	0.01	0.88	3.13	2	23	6	97	0.00	0.0	1.401	0.108	12	3	1	2
PL.54868	PL.54867	A	6 A (CWC)	7.45Y	124.1	0.01	0.89	1.47	1	11	3	96	0.00	0.0	1.489	0.088	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: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.54869	PL.54868	A	#1/0 ACSR	7.45Y	124.1	0.00	0.89	1.47	1	11	3	96	0.00	0.0	1.600	0.111	0	0	0	1
PL.54870	PL.54869	A	#1/0 ACSR	7.45Y	124.1	0.00	0.90	1.47	1	11	3	96	0.00	0.0	1.633	0.034	11	3	1	1
PL.47023	PL.46038	A	#4 ACSR	7.45Y	124.1	0.00	0.87	0.51	0	4	1	97	0.00	0.0	1.396	0.103	4	1	1	1
PL.46999	PL.47056	C	6 A (CWC)	7.45Y	124.1	0.00	0.87	0.00	0	0	0	100	0.00	0.0	1.256	0.002	0	0	0	0
PD.7276	PL.46999	C	75QA	7.45Y	124.1	0.00	0.87	0.00	0	0	0	100	0.00	0.0	1.256	0.002	0	0	0	0
PL.46699	PD.7276	C	6 A (CWC)	7.45Y	124.1	0.00	0.87	0.00	0	0	0	100	0.00	0.0	1.339	0.083	0	0	0	0
PL.46478	PL.47056	C	#4 ACSR	7.45Y	124.1	0.00	0.87	1.53	1	11	3	96	0.00	0.0	1.310	0.056	11	3	1	1
PL.46568	PL.47055	ABC	336 MCM AC	7.45Y	124.2	0.00	0.79	0.00	0	0	0	100	0.00	0.0	1.133	0.014	0	0	0	0
PL.46235	PL.45132	ABC	#1/0 ACSR	7.47Y	124.6	0.01	0.43	31.39	14	682	173	97	0.04	0.0	0.529	0.017	0	0	0	83
PL.46352	PL.46235	ABC	#1/0 ACSR	7.47Y	124.6	0.00	0.43	31.39	14	682	173	97	0.00	0.0	0.529	0.000	0	0	0	83
PD.7297	PL.46352	ABC	50L	7.47Y	124.6	0.00	0.43	31.39	63	682	173	97	0.00	0.0	0.529	0.000	0	0	0	83
PL.46353	PD.7297	ABC	#1/0 ACSR	7.47Y	124.5	0.03	0.46	31.39	14	682	173	97	0.13	0.0	0.578	0.049	0	0	0	83
PL.46354	PL.46353	ABC	#1/0 ACSR	7.47Y	124.5	0.04	0.50	31.39	14	682	173	97	0.17	0.0	0.642	0.064	0	0	0	83
PL.46850	PL.46354	ABC	#1/0 ACSR	7.47Y	124.5	0.03	0.53	31.39	14	682	172	97	0.14	0.0	0.697	0.055	0	0	0	83
PL.46355	PL.46850	ABC	#1/0 ACSR	7.47Y	124.4	0.04	0.57	28.63	12	622	157	97	0.17	0.0	0.776	0.079	0	0	0	79
PL.54444	PL.46355	ABC	#1/0 ACSR	7.46Y	124.4	0.02	0.59	28.63	12	622	157	97	0.08	0.0	0.812	0.036	23	6	4	79
PL.54445	PL.54444	ABC	#1/0 ACSR	7.46Y	124.4	0.05	0.63	27.58	12	599	151	97	0.19	0.0	0.907	0.094	0	0	0	75
PL.47051	PL.54445	C	#2 ACSR	7.46Y	124.4	0.00	0.63	0.98	1	7	2	96	0.00	0.0	0.908	0.001	0	0	0	1
PD.7289	PL.47051	C	40QA	7.46Y	124.4	0.00	0.63	0.98	2	7	2	96	0.00	0.0	0.908	0.001	0	0	0	1
PL.46348	PD.7289	C	#2 ACSR	7.46Y	124.4	0.00	0.63	0.98	1	7	2	96	0.00	0.0	0.945	0.037	7	2	1	1
PL.54913	PL.46348	C	#2 ACSR	7.46Y	124.4	0.00	0.63	0.00	0	0	0	100	0.00	0.0	0.978	0.033	0	0	0	0
PL.54676	PL.54445	ABC	#1/0 ACSR	7.46Y	124.3	0.02	0.65	25.84	11	561	142	97	0.07	0.0	0.947	0.040	12	3	1	71
PL.54677	PL.54676	ABC	#1/0 ACSR	7.46Y	124.3	0.02	0.67	25.27	11	548	138	97	0.08	0.0	0.993	0.046	0	0	0	70
PL.54675	PL.54677	ABC	#1/0 ACSR	7.46Y	124.3	0.05	0.72	25.27	11	548	138	97	0.19	0.0	1.105	0.112	0	0	0	70
PL.46829	PL.54675	C	#2 ACSR	7.46Y	124.3	0.00	0.72	2.03	1	15	4	97	0.00	0.0	1.107	0.001	0	0	0	2
PD.7228	PL.46829	C	40QA	7.46Y	124.3	0.00	0.72	2.03	5	15	4	97	0.00	0.0	1.107	0.001	0	0	0	2
PL.54916	PD.7228	C	#2 ACSR	7.46Y	124.3	0.00	0.72	2.03	1	15	4	97	0.00	0.0	1.144	0.037	15	4	2	2
PL.54674	PL.54916	C	#2 ACSR	7.46Y	124.3	0.00	0.72	0.00	0	0	0	100	0.00	0.0	1.201	0.058	0	0	0	0
PL.54905	PL.54675	ABC	#1/0 ACSR	7.46Y	124.3	0.01	0.74	24.08	10	522	132	97	0.05	0.0	1.136	0.031	3	1	1	66
PL.54906	PL.54905	ABC	#1/0 ACSR	7.46Y	124.3	0.01	0.75	23.96	10	520	131	97	0.04	0.0	1.165	0.029	12	3	1	65
PL.54907	PL.54906	ABC	#1/0 ACSR	7.45Y	124.2	0.01	0.76	23.42	10	508	128	97	0.04	0.0	1.190	0.025	16	4	1	64

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.54908	PL.54907	ABC	#1/0 ACSR	7.45Y	124.2	0.02	0.78	22.67	10	492	124	97	0.07	0.0	1.244	0.054	0	0	0	63
PL.54909	PL.54908	A	#1/0 ACSR	7.45Y	124.2	0.00	0.78	2.72	1	20	5	97	0.00	0.0	1.247	0.003	0	0	0	2
PD.9337	PL.54909	A	25T	7.45Y	124.2	0.00	0.78	2.72	0	20	5	97	0.00	0.0	1.247	0.003	0	0	0	2
PL.54910	PD.9337	A	#1/0 ACSR	7.45Y	124.2	0.00	0.78	2.72	1	20	5	97	0.00	0.0	1.255	0.009	20	5	2	2
PL.60594	PL.54908	ABC	#1/0 ACSR	7.45Y	124.2	0.02	0.80	21.76	9	472	119	97	0.06	0.0	1.292	0.048	20	5	2	61
PL.60595	PL.60594	ABC	#1/0 ACSR	7.45Y	124.2	0.02	0.81	20.84	9	452	114	97	0.05	0.0	1.336	0.044	0	0	0	59
PL.54904	PL.60595	ABC	#1/0 ACSR	7.45Y	124.2	0.00	0.82	8.08	4	175	44	97	0.01	0.0	1.369	0.033	24	6	3	21
PL.54845	PL.54904	A	#1/0 ACSR	7.45Y	124.2	0.00	0.82	2.69	1	19	5	97	0.00	0.0	1.370	0.001	0	0	0	4
PD.7230	PL.54845	A	40QA	7.45Y	124.2	0.00	0.82	2.69	7	19	5	97	0.00	0.0	1.370	0.001	0	0	0	4
PL.47053	PD.7230	A	#1/0 ACSR	7.45Y	124.2	0.00	0.82	2.69	1	19	5	97	0.00	0.0	1.406	0.036	9	2	3	4
PL.54902	PL.47053	A	#1/0 ACSR	7.45Y	124.2	0.00	0.82	1.49	1	11	3	96	0.00	0.0	1.459	0.053	11	3	1	1
PL.54844	PL.54904	ABC	#1/0 ACSR	7.45Y	124.2	0.01	0.82	6.07	3	132	33	97	0.01	0.0	1.427	0.058	0	0	0	14
PL.58548	PL.54844	B	#2 ACSR	7.45Y	124.2	0.00	0.83	16.32	9	118	30	97	0.00	0.0	1.429	0.002	0	0	0	12
PD.8616	PL.58548	B	20T	7.45Y	124.2	0.00	0.83	16.32	0	118	30	97	0.00	0.0	1.429	0.002	0	0	0	12
PL.58549	PD.8616	B	#2 ACSR	7.45Y	124.2	0.01	0.83	16.32	9	118	30	97	0.01	0.0	1.447	0.019	19	5	3	12
PL.54865	PL.58549	B	#2 ACSR	7.45Y	124.1	0.02	0.86	13.69	8	99	25	97	0.02	0.0	1.505	0.058	0	0	0	9
PL.54433	PL.54865	B	#4 ACSR	7.45Y	124.1	0.01	0.87	9.59	7	69	17	97	0.01	0.0	1.537	0.031	11	3	1	6
PL.54434	PL.54433	B	#4 ACSR	7.45Y	124.1	0.01	0.88	6.00	5	43	11	97	0.00	0.0	1.575	0.039	0	0	0	4
PL.54876	PL.54434	B	#4 ACSR	7.45Y	124.1	0.00	0.89	6.00	5	43	11	97	0.00	0.0	1.610	0.035	43	11	4	4
PL.54436	PL.54433	B	#4 ACSR	7.45Y	124.1	0.00	0.87	2.06	2	15	4	97	0.00	0.0	1.558	0.022	15	4	1	1
PL.54435	PL.54436	B	#4 ACSR	7.45Y	124.1	0.00	0.87	0.00	0	0	0	100	0.00	0.0	1.560	0.001	0	0	0	0
PL.46434	PL.54865	B	#2 ACSR	7.45Y	124.1	0.00	0.86	4.10	2	30	7	97	0.00	0.0	1.531	0.026	30	7	3	3
PL.54432	PL.58549	B	#1/0 ACSR	7.45Y	124.2	0.00	0.83	0.00	0	0	0	100	0.00	0.0	1.488	0.041	0	0	0	0
PL.64770	PL.54844	ABC	#1/0 ACSR	7.45Y	124.2	0.00	0.82	0.63	0	14	3	98	0.00	0.0	1.465	0.038	0	0	0	2
PL.64777	PL.64770	ABC	#1/0 ACSR	7.45Y	124.2	0.00	0.82	0.63	0	14	3	98	0.00	0.0	1.475	0.010	0	0	0	2
PL.64778	PL.64777	C	#1/0 ACSR	7.45Y	124.2	0.00	0.82	1.89	1	14	3	98	0.00	0.0	1.477	0.002	0	0	0	2
PD.9558	PL.64778	C	15T	7.45Y	124.2	0.00	0.82	1.89	0	14	3	98	0.00	0.0	1.477	0.002	0	0	0	2
PL.64779	PD.9558	C	#1/0 ACSR	7.45Y	124.2	0.00	0.83	1.89	1	14	3	98	0.00	0.0	1.498	0.021	0	0	0	2
PL.72975	PL.64779	C	#1/0 ACSR	7.45Y	124.2	0.00	0.83	1.89	1	14	3	98	0.00	0.0	1.556	0.058	0	0	1	2
PL.72976	PL.72975	C	#1/0 ACSR	7.45Y	124.2	0.00	0.83	1.89	1	14	3	98	0.00	0.0	1.556	0.000	14	3	1	1
PL.57883	PL.60595	ABC	#1/0 ACSR	7.45Y	124.2	0.01	0.83	12.75	6	276	70	97	0.02	0.0	1.390	0.054	0	0	0	38

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.58376	PL.57883	A	#1/0 ACSR	7.45Y	124.2	0.00	0.83	1.66	1	12	3	97	0.00	0.0	1.408	0.018	12	3	1	1
PL.57884	PL.57883	A	#1/0 ACSR	7.45Y	124.2	0.00	0.83	1.58	1	11	3	96	0.00	0.0	1.406	0.016	11	3	1	1
PL.59787	PL.57883	ABC	#1/0 ACSR	7.45Y	124.2	0.01	0.83	11.68	5	253	64	97	0.01	0.0	1.426	0.037	0	0	0	36
PL.59775	PL.59787	B	#1/0 ACSR	7.45Y	124.2	0.00	0.83	1.58	1	11	3	96	0.00	0.0	1.430	0.004	0	0	0	1
PD.8957	PL.59775	B	15T	7.45Y	124.2	0.00	0.83	1.58	0	11	3	96	0.00	0.0	1.430	0.004	0	0	0	1
PL.59776	PD.8957	B	#1/0 ACSR	7.45Y	124.2	0.00	0.83	1.58	1	11	3	96	0.00	0.0	1.443	0.013	11	3	1	1
PL.59788	PL.59787	ABC	#1/0 ACSR	7.45Y	124.2	0.01	0.84	11.15	5	242	61	97	0.02	0.0	1.479	0.053	5	1	2	35
PL.54903	PL.59788	ABC	#1/0 ACSR	7.45Y	124.1	0.03	0.87	10.91	5	236	60	97	0.05	0.0	1.630	0.151	16	4	1	33
PL.46833	PL.54903	B	#4 ACSR	7.45Y	124.1	0.00	0.87	0.01	0	0	0	100	0.00	0.0	1.630	0.001	0	0	0	1
PD.7231	PL.46833	B	40QA	7.45Y	124.1	0.00	0.87	0.01	0	0	0	100	0.00	0.0	1.630	0.001	0	0	0	1
PL.46834	PD.7231	B	#4 ACSR	7.45Y	124.1	0.00	0.87	0.01	0	0	0	100	0.00	0.0	1.683	0.052	0	0	0	1
PL.46832	PL.46834	B	#4 ACSR	7.45Y	124.1	0.00	0.87	0.01	0	0	0	100	0.00	0.0	1.716	0.034	0	0	1	1
PL.46835	PL.54903	ABC	#1/0 ACSR	7.45Y	124.1	0.01	0.88	10.16	4	220	55	97	0.01	0.0	1.660	0.031	3	1	1	31
PL.46836	PL.46835	ABC	#1/0 ACSR	7.45Y	124.1	0.01	0.88	8.59	4	186	47	97	0.01	0.0	1.710	0.050	16	4	2	23
PL.46838	PL.46836	C	#4 ACSR	7.45Y	124.1	0.00	0.89	12.65	10	91	23	97	0.00	0.0	1.711	0.001	0	0	0	12
PD.7249	PL.46838	C	40QA	7.45Y	124.1	0.00	0.89	12.65	32	91	23	97	0.00	0.0	1.711	0.001	0	0	0	12
PL.54833	PD.7249	C	#4 ACSR	7.45Y	124.1	0.02	0.90	12.65	10	91	23	97	0.01	0.0	1.740	0.029	11	3	2	12
PL.54834	PL.54833	C	#4 ACSR	7.44Y	124.1	0.02	0.92	11.12	9	80	20	97	0.01	0.0	1.785	0.044	8	2	1	10
PL.54832	PL.54834	C	#4 ACSR	7.44Y	124.1	0.01	0.93	10.07	8	73	18	97	0.01	0.0	1.813	0.028	13	3	2	9
PL.54682	PL.54832	C	#4 ACSR	7.44Y	124.1	0.01	0.94	8.25	6	60	15	97	0.00	0.0	1.841	0.028	52	13	6	7
PL.54683	PL.54682	C	#4 ACSR	7.44Y	124.1	0.00	0.94	1.02	1	7	2	96	0.00	0.0	1.899	0.058	7	2	1	1
PL.54853	PL.54683	C	#4 ACSR	7.44Y	124.1	0.00	0.94	0.00	0	0	0	100	0.00	0.0	1.926	0.027	0	0	0	0
PL.46202	PL.46836	B	#4 ACSR	7.45Y	124.1	0.00	0.89	10.90	8	79	20	97	0.00	0.0	1.711	0.001	0	0	0	9
PD.7233	PL.46202	B	40QA	7.45Y	124.1	0.00	0.89	10.90	27	79	20	97	0.00	0.0	1.711	0.001	0	0	0	9
PL.72973	PD.7233	B	#4 ACSR	7.45Y	124.1	0.03	0.91	10.90	8	79	20	97	0.02	0.0	1.771	0.060	0	0	0	9
PL.72974	PL.72973	B	#4 ACSR	7.44Y	124.1	0.01	0.92	10.90	8	79	20	97	0.00	0.0	1.791	0.020	14	3	1	9
PL.46624	PL.72974	B	#4 ACSR	7.44Y	124.1	0.01	0.93	9.03	7	65	16	97	0.00	0.0	1.828	0.037	30	7	3	8
PL.46224	PL.46624	B	#4 ACSR	7.44Y	124.1	0.01	0.94	4.94	4	36	9	97	0.00	0.0	1.868	0.040	21	5	2	5
PL.46225	PL.46224	B	#4 ACSR	7.44Y	124.1	0.00	0.94	2.07	2	15	4	97	0.00	0.0	1.897	0.029	15	4	3	3
PL.46837	PL.46835	C	#4 ACSR	7.45Y	124.1	0.00	0.88	4.34	3	31	8	97	0.00	0.0	1.661	0.001	0	0	0	7
PD.7232	PL.46837	C	40QA	7.45Y	124.1	0.00	0.88	4.34	11	31	8	97	0.00	0.0	1.661	0.001	0	0	0	7

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

Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.54875	PD.7232	C	#4 ACSR	7.45Y	124.1	0.01	0.88	4.34	3	31	8	97	0.00	0.0	1.691	0.030	7	2	1	7
PL.54900	PL.54875	C	#4 ACSR	7.45Y	124.1	0.01	0.89	3.37	3	24	6	97	0.00	0.0	1.737	0.046	13	3	4	6
PL.54899	PL.54900	C	#4 ACSR	7.45Y	124.1	0.00	0.89	1.63	1	12	3	97	0.00	0.0	1.774	0.037	12	3	2	2
PL.54864	PL.54899	C	#4 ACSR	7.45Y	124.1	0.00	0.89	0.00	0	0	0	100	0.00	0.0	1.820	0.046	0	0	0	0
PL.46830	PL.54675	A	#2 ACSR	7.46Y	124.3	0.00	0.72	1.56	1	11	3	96	0.00	0.0	1.107	0.001	0	0	0	2
PD.7229	PL.46830	A	40QA	7.46Y	124.3	0.00	0.72	1.56	4	11	3	96	0.00	0.0	1.107	0.001	0	0	0	2
PL.46831	PD.7229	A	#2 ACSR	7.46Y	124.3	0.00	0.72	1.56	1	11	3	96	0.00	0.0	1.138	0.031	11	3	2	2
PL.47052	PL.54445	C	#2 ACSR	7.46Y	124.4	0.00	0.63	4.24	2	31	8	97	0.00	0.0	0.908	0.001	0	0	0	3
PD.7002	PL.47052	C	25T	7.46Y	124.4	0.00	0.63	4.24	0	31	8	97	0.00	0.0	0.908	0.001	0	0	0	3
PL.54912	PD.7002	C	#2 ACSR	7.46Y	124.4	0.00	0.64	4.24	2	31	8	97	0.00	0.0	0.947	0.040	6	1	1	3
PL.54911	PL.54912	C	#2 ACSR	7.46Y	124.4	0.00	0.64	3.43	2	25	6	97	0.00	0.0	1.002	0.054	25	6	2	2
PL.46851	PL.46850	C	#2 ACSR	7.47Y	124.5	0.00	0.53	8.27	5	60	15	97	0.00	0.0	0.697	0.000	0	0	0	4
PD.7227	PL.46851	C	40QA	7.47Y	124.5	0.00	0.53	8.27	21	60	15	97	0.00	0.0	0.697	0.000	0	0	0	4
PL.54446	PD.7227	C	#2 ACSR	7.47Y	124.5	0.00	0.53	8.27	5	60	15	97	0.00	0.0	0.717	0.020	60	15	4	4
PL.46349	PL.45131	A	#2 ACSR	7.49Y	124.8	0.00	0.17	0.65	0	5	1	98	0.00	0.0	0.209	0.001	0	0	0	1
PD.7275	PL.46349	A	50QA	7.49Y	124.8	0.00	0.17	0.65	1	5	1	98	0.00	0.0	0.209	0.001	0	0	0	1
PL.46350	PD.7275	A	#2 ACSR	7.49Y	124.8	0.00	0.17	0.65	0	5	1	98	0.00	0.0	0.314	0.105	5	1	1	1
PL.52868	Campground	ABC	336 MCM AC	7.50Y	125.0	0.01	0.01	385.51	74	8121	3048	94	0.26	0.0	0.002	0.002	0	0	0	883
PL.52872	PL.52868	ABC	336 MCM AC	7.50Y	125.0	0.01	0.01	385.51	74	8121	3047	94	0.26	0.0	0.004	0.002	0	0	0	883
---------- Feeder No. 4 (TomCat Trail F4) Beginning with Device PD.7979 ----------																				
PD.7979	PL.52872	ABC	480VWE	7.50Y	125.0	0.00	0.01	385.51	0	8120	3047	94	0.00	0.0	0.004	0.002	0	0	0	883
PL.59326	PD.7979	ABC	336 MCM AC	7.50Y	125.0	0.01	0.03	385.51	74	8120	3047	94	0.49	0.0	0.008	0.004	2	1	1	883
PL.59327	PL.59326	ABC	#2 ACSR	7.50Y	125.0	0.00	0.03	0.00	0	0	0	100	0.00	0.0	0.009	0.001	0	0	0	0
PL.59325	PL.59326	ABC	336 MCM AC	7.48Y	124.7	0.27	0.29	385.40	74	8118	3045	94	10.48	0.1	0.092	0.084	31	8	9	882
PL.46727	PL.59325	ABC	336 MCM AC	7.47Y	124.6	0.13	0.42	384.01	74	8076	3013	94	5.28	0.1	0.135	0.043	0	0	0	873
PL.46996	PL.46727	ABC	336 MCM AC	7.45Y	124.2	0.40	0.83	378.45	73	7954	2957	94	15.73	0.2	0.265	0.130	10	2	1	867
PL.54456	PL.46996	ABC	336 MCM AC	7.44Y	124.0	0.19	1.02	378.00	73	7929	2918	94	7.60	0.1	0.328	0.063	12	3	1	866
PL.56177	PL.54456	ABC	336 MCM AC	7.42Y	123.7	0.31	1.33	367.75	71	7698	2844	94	11.81	0.2	0.432	0.104	0	0	0	834
PL.56762	PL.56177	ABC	336 MCM AC	7.41Y	123.5	0.12	1.45	365.23	70	7632	2802	94	4.42	0.1	0.471	0.039	21	5	2	829

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: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.56763	PL.56762	ABC	336 MCM AC	7.39Y	123.2	0.30	1.76	364.25	70	7606	2787	94	11.45	0.2	0.574	0.102	0	0	0	827
PL.56179	PL.56763	ABC	#1/0 ACSR	7.39Y	123.2	0.01	1.77	14.30	6	308	77	97	0.03	0.0	0.628	0.054	0	0	0	48
PL.54463	PL.56179	ABC	1/0 AL URD	7.39Y	123.2	0.00	1.77	14.30	8	308	77	97	0.00	0.0	0.630	0.002	0	0	0	48
PD.8157	PL.54463	ABC	30T	7.39Y	123.2	0.00	1.77	14.30	0	308	77	97	0.00	0.0	0.630	0.002	0	0	0	48
PL.54464	PD.8157	ABC	1/0 AL URD	7.39Y	123.2	0.00	1.77	14.30	8	308	77	97	0.00	0.0	0.635	0.005	0	0	0	48
PL.54770	PL.54464	A	1/0 AL URD	7.39Y	123.2	0.03	1.80	9.59	6	69	17	97	0.02	0.0	0.736	0.101	6	1	1	11
PL.54771	PL.54770	A	1/0 AL URD	7.39Y	123.2	0.01	1.81	8.78	5	63	16	97	0.00	0.0	0.763	0.026	4	1	1	10
PL.54772	PL.54771	A	1/0 AL URD	7.39Y	123.2	0.01	1.81	8.23	5	59	15	97	0.00	0.0	0.788	0.025	11	3	1	9
PL.54773	PL.54772	A	1/0 AL URD	7.39Y	123.2	0.01	1.82	6.65	4	48	12	97	0.00	0.0	0.829	0.042	13	3	2	8
PL.54774	PL.54773	A	1/0 AL URD	7.39Y	123.2	0.01	1.83	4.80	3	34	9	97	0.00	0.0	0.906	0.077	7	2	1	6
PL.54775	PL.54774	A	1/0 AL URD	7.39Y	123.2	0.01	1.84	3.79	2	27	7	97	0.00	0.0	0.976	0.070	9	2	1	5
PL.54776	PL.54775	A	1/0 AL URD	7.39Y	123.2	0.00	1.84	2.49	1	18	4	98	0.00	0.0	1.010	0.034	5	1	1	4
PL.54777	PL.54776	A	1/0 AL URD	7.39Y	123.2	0.00	1.84	1.82	1	13	3	97	0.00	0.0	1.052	0.043	9	2	2	3
PL.54778	PL.54777	A	1/0 AL URD	7.39Y	123.2	0.00	1.84	0.59	0	4	1	97	0.00	0.0	1.099	0.047	4	1	1	1
PL.54779	PL.54778	A	1/0 AL URD	7.39Y	123.2	0.00	1.84	0.00	0	0	0	100	0.00	0.0	1.116	0.017	0	0	0	0
PL.54465	PL.54464	ABC	1/0 AL URD	7.39Y	123.2	0.02	1.79	7.11	4	153	38	97	0.02	0.0	0.761	0.126	0	0	0	25
PL.54933	PL.54465	ABC	1/0 AL URD	7.39Y	123.2	0.02	1.81	7.11	4	153	38	97	0.02	0.0	0.880	0.119	0	0	0	25
PL.54935	PL.54933	C	1/0 AL URD	7.39Y	123.2	0.02	1.82	12.79	8	92	23	97	0.01	0.0	0.922	0.043	8	2	1	13
PL.54929	PL.54935	C	1/0 AL URD	7.39Y	123.2	0.01	1.84	11.65	7	84	21	97	0.01	0.0	0.964	0.041	4	1	1	12
PL.54928	PL.54929	C	1/0 AL URD	7.39Y	123.2	0.01	1.84	11.05	6	79	20	97	0.00	0.0	0.987	0.023	12	3	3	11
PL.54927	PL.54928	C	1/0 AL URD	7.39Y	123.1	0.02	1.86	9.43	6	68	17	97	0.01	0.0	1.048	0.061	0	0	0	8
PL.54926	PL.54927	C	1/0 AL URD	7.39Y	123.1	0.01	1.87	9.43	6	68	17	97	0.01	0.0	1.094	0.046	16	4	2	8
PL.54925	PL.54926	C	1/0 AL URD	7.39Y	123.1	0.01	1.88	7.21	4	52	13	97	0.00	0.0	1.138	0.045	18	4	2	6
PL.54924	PL.54925	C	1/0 AL URD	7.39Y	123.1	0.00	1.89	4.72	3	34	9	97	0.00	0.0	1.183	0.044	23	6	2	4
PL.54923	PL.54924	C	1/0 AL URD	7.39Y	123.1	0.00	1.89	1.53	1	11	3	96	0.00	0.0	1.220	0.038	0	0	0	2
PL.54782	PL.54923	C	1/0 AL URD	7.39Y	123.1	0.00	1.89	1.53	1	11	3	96	0.00	0.0	1.266	0.046	11	3	2	2
PL.54781	PL.54782	C	1/0 AL URD	7.39Y	123.1	0.00	1.89	0.00	0	0	0	100	0.00	0.0	1.298	0.032	0	0	0	0
PL.54942	PL.54933	B	1/0 AL URD	7.39Y	123.2	0.00	1.81	5.25	3	38	9	97	0.00	0.0	0.891	0.011	0	0	0	5
PL.54943	PL.54942	B	1/0 AL URD	7.39Y	123.2	0.01	1.82	5.25	3	38	9	97	0.00	0.0	0.971	0.080	3	1	1	5
PL.54941	PL.54943	B	1/0 AL URD	7.39Y	123.2	0.00	1.83	4.77	3	34	9	97	0.00	0.0	1.015	0.045	18	5	2	4
PL.54940	PL.54941	B	1/0 AL URD	7.39Y	123.2	0.00	1.83	2.26	1	16	4	97	0.00	0.0	1.069	0.054	16	4	2	2

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

Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.54939	PL.54940	B	1/0 AL URD	7.39Y	123.2	0.00	1.83	0.00	0	0	0	100	0.00	0.0	1.130	0.061	0	0	0	0
PL.54934	PL.54933	A	1/0 AL URD	7.39Y	123.2	0.00	1.81	0.00	0	0	0	100	0.00	0.0	0.886	0.006	0	0	0	0
PL.54936	PL.54933	B	1/0 AL URD	7.39Y	123.2	0.01	1.81	3.29	2	24	6	97	0.00	0.0	0.930	0.050	0	0	0	7
PL.54930	PL.54936	B	1/0 AL URD	7.39Y	123.2	0.00	1.81	3.29	2	24	6	97	0.00	0.0	0.948	0.018	12	3	2	7
PL.54931	PL.54930	B	1/0 AL URD	7.39Y	123.2	0.00	1.82	1.58	1	11	3	96	0.00	0.0	1.015	0.067	0	0	0	5
PL.54932	PL.54931	B	1/0 AL URD	7.39Y	123.2	0.00	1.82	1.58	1	11	3	96	0.00	0.0	1.079	0.063	4	1	3	5
PL.54937	PL.54932	B	1/0 AL URD	7.39Y	123.2	0.00	1.82	0.98	1	7	2	96	0.00	0.0	1.123	0.045	7	2	2	2
PL.54938	PL.54937	B	1/0 AL URD	7.39Y	123.2	0.00	1.82	0.00	0	0	0	100	0.00	0.0	1.128	0.005	0	0	0	0
PL.54917	PL.54464	C	1/0 AL URD	7.39Y	123.2	0.04	1.81	11.99	7	86	22	97	0.03	0.0	0.758	0.123	20	5	1	12
PL.54919	PL.54917	C	1/0 AL URD	7.39Y	123.2	0.01	1.82	9.25	5	66	17	97	0.00	0.0	0.791	0.033	11	3	1	11
PL.54920	PL.54919	C	1/0 AL URD	7.39Y	123.2	0.01	1.83	7.66	5	55	14	97	0.00	0.0	0.829	0.038	13	3	2	10
PL.54921	PL.54920	C	1/0 AL URD	7.39Y	123.2	0.02	1.84	5.78	3	41	10	97	0.00	0.0	0.921	0.093	5	1	1	8
PL.54922	PL.54921	C	1/0 AL URD	7.39Y	123.2	0.00	1.85	5.12	3	37	9	97	0.00	0.0	0.945	0.024	0	0	0	7
PL.54765	PL.54922	C	1/0 AL URD	7.39Y	123.1	0.01	1.86	5.12	3	37	9	97	0.00	0.0	1.013	0.067	10	3	2	7
PL.54766	PL.54765	C	1/0 AL URD	7.39Y	123.1	0.01	1.86	3.67	2	26	7	97	0.00	0.0	1.071	0.059	9	2	2	5
PL.54767	PL.54766	C	1/0 AL URD	7.39Y	123.1	0.00	1.87	2.36	1	17	4	97	0.00	0.0	1.127	0.056	11	3	2	3
PL.54768	PL.54767	C	1/0 AL URD	7.39Y	123.1	0.00	1.87	0.76	0	5	1	98	0.00	0.0	1.151	0.024	0	0	0	1
PL.54769	PL.54768	C	1/0 AL URD	7.39Y	123.1	0.00	1.87	0.76	0	5	1	98	0.00	0.0	1.214	0.063	5	1	1	1
PL.54780	PL.54769	C	1/0 AL URD	7.39Y	123.1	0.00	1.87	0.00	0	0	0	100	0.00	0.0	1.221	0.007	0	0	0	0
PL.56180	PL.56763	ABC	336 MCM AC	7.39Y	123.1	0.16	1.92	350.03	67	7287	2683	94	5.78	0.1	0.630	0.056	0	0	0	779
PL.54422	PL.56180	ABC	336 MCM AC	7.36Y	122.7	0.42	2.33	350.03	67	7281	2669	94	15.16	0.2	0.777	0.147	0	0	0	779
PL.54424	PL.54422	C	#2 ACSR	7.36Y	122.7	0.00	2.33	1.65	1	12	3	97	0.00	0.0	0.779	0.002	0	0	0	2
PD.7199	PL.54424	C	40T	7.36Y	122.7	0.00	2.33	1.65	0	12	3	97	0.00	0.0	0.779	0.002	0	0	0	2
PL.54709	PD.7199	C	#2 ACSR	7.36Y	122.7	0.00	2.34	1.65	1	12	3	97	0.00	0.0	0.816	0.037	12	3	2	2
PL.54423	PL.54422	C	#4 ACSR	7.36Y	122.7	0.00	2.33	0.07	0	0	0	100	0.00	0.0	0.783	0.006	0	0	0	1
PD.7200	PL.54423	C	40T	7.36Y	122.7	0.00	2.33	0.07	0	0	0	100	0.00	0.0	0.783	0.006	0	0	0	1
PL.46361	PD.7200	C	#4 ACSR	7.36Y	122.7	0.00	2.33	0.07	0	0	0	100	0.00	0.0	0.861	0.079	0	0	1	1
PL.54425	PL.54422	ABC	336 MCM AC	7.35Y	122.6	0.09	2.43	349.45	67	7254	2631	94	3.29	0.0	0.809	0.032	0	0	2	776
PL.54426	PL.54425	ABC	336 MCM AC	7.33Y	122.1	0.44	2.87	349.44	67	7250	2623	94	16.02	0.2	0.965	0.156	12	3	2	774
PL.54421	PL.54426	ABC	336 MCM AC	7.32Y	122.0	0.12	2.99	348.90	67	7222	2583	94	4.46	0.1	1.008	0.043	0	0	0	772
PL.46363	PL.54421	ABC	336 MCM AC	7.31Y	121.9	0.16	3.15	348.90	67	7218	2572	94	5.79	0.1	1.065	0.056	0	0	0	772

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: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.45101	PL.46363	C	#2 ACSR	7.31Y	121.9	0.00	3.15	0.01	0	0	0	100	0.00	0.0	1.067	0.002	0	0	0	1
PD.7201	PL.45101	C	75QA	7.31Y	121.9	0.00	3.15	0.01	0	0	0	100	0.00	0.0	1.067	0.002	0	0	0	1
PL.45102	PD.7201	C	#2 ACSR	7.31Y	121.9	0.00	3.15	0.01	0	0	0	100	0.00	0.0	1.084	0.017	0	0	1	1
PL.58003	PL.46363	C	#4 ACSR	7.31Y	121.9	0.00	3.15	3.09	2	22	6	96	0.00	0.0	1.067	0.002	0	0	0	2
PD.8404	PL.58003	C	40T	7.31Y	121.9	0.00	3.15	3.09	0	22	6	96	0.00	0.0	1.067	0.002	0	0	0	2
PL.58004	PD.8404	C	#4 ACSR	7.31Y	121.8	0.00	3.15	3.09	2	22	6	96	0.00	0.0	1.125	0.058	22	6	2	2
PL.46364	PL.46363	ABC	336 MCM AC	7.30Y	121.7	0.19	3.34	347.87	67	7190	2553	94	6.91	0.1	1.132	0.068	0	0	0	769
PL.45557	PL.46364	ABC	336 MCM AC	7.29Y	121.5	0.14	3.47	346.72	67	7159	2531	94	4.91	0.1	1.181	0.049	20	5	2	765
PL.45559	PL.45557	ABC	336 MCM AC	7.25Y	120.9	0.66	4.14	345.78	67	7134	2514	94	24.08	0.3	1.420	0.239	0	0	0	763
PL.46860	PL.45559	ABC	336 MCM AC	7.23Y	120.5	0.39	4.53	345.78	67	7110	2458	95	14.40	0.2	1.563	0.143	0	0	0	763
PL.57789	PL.46860	ABC	336 MCM AC	7.21Y	120.2	0.29	4.82	345.78	67	7095	2424	95	10.54	0.1	1.668	0.105	0	0	0	763
PD.8405-A	PL.57789	ABC	Closed	7.21Y	120.2	0.00	4.82	345.78	0	7085	2400	95	0.00	0.0	1.668	0.105	0	0	0	763
PD.8405-B	PD.8405-A	ABC	Closed	7.21Y	120.2	0.00	4.82	345.78	0	7085	2400	95	0.00	0.0	1.668	0.105	0	0	0	763
PL.57790	PD.8405-B	ABC	336 MCM AC	7.21Y	120.1	0.07	4.89	345.78	67	7085	2400	95	2.71	0.0	1.695	0.027	0	0	0	763
PL.54701	PL.57790	ABC	336 MCM AC	7.11Y	118.6	1.54	6.43	341.51	66	6992	2371	95	56.34	0.8	2.268	0.573	0	0	0	755
PL.46756	PL.54701	ABC	336 MCM AC	7.11Y	118.4	0.13	6.56	341.51	66	6936	2239	95	4.74	0.1	2.316	0.048	0	0	0	755
PL.46335	PL.46756	C	6 A (CWC)	7.11Y	118.4	0.00	6.56	4.34	3	30	8	97	0.00	0.0	2.317	0.001	0	0	0	3
PD.7196	PL.46335	C	40T	7.11Y	118.4	0.00	6.56	4.34	0	30	8	97	0.00	0.0	2.317	0.001	0	0	0	3
PL.46336	PD.7196	C	6 A (CWC)	7.11Y	118.4	0.00	6.57	4.34	3	30	8	97	0.00	0.0	2.357	0.041	30	8	2	3
PL.47026	PL.46336	C	6 A (CWC)	7.11Y	118.4	0.00	6.57	0.00	0	0	0	100	0.00	0.0	2.394	0.037	0	0	1	1
PL.47025	PL.46756	ABC	336 MCM AC	7.10Y	118.3	0.11	6.67	340.07	66	6901	2221	95	4.09	0.1	2.358	0.042	0	0	0	752
PL.46437	PL.47025	ABC	336 MCM AC	7.10Y	118.3	0.02	6.70	340.07	66	6897	2211	95	0.78	0.0	2.366	0.008	0	0	0	752
RG.49	PL.46437	ABC	500kva	7.47Y	124.5	-6.23	0.47	340.07	52	6896	2209	95	percent Boost= 5.00 Tap= 8.0							752
PL.46438	RG.49	ABC	336 MCM AC	7.47Y	124.5	0.00	0.47	323.07	62	6896	2209	95	0.04	0.0	2.367	0.000	0	0	0	752
PL.46578	PL.46438	ABC	336 MCM AC	7.47Y	124.5	0.08	0.55	323.07	62	6896	2209	95	2.69	0.0	2.397	0.031	0	0	0	752
PL.46579	PL.46578	C	#4 ACSR	7.47Y	124.5	0.00	0.55	1.21	1	9	2	98	0.00	0.0	2.398	0.001	0	0	0	1
PD.7219	PL.46579	C	30T	7.47Y	124.5	0.00	0.55	1.21	0	9	2	98	0.00	0.0	2.398	0.001	0	0	0	1
PL.46580	PD.7219	C	#4 ACSR	7.47Y	124.5	0.00	0.55	1.21	1	9	2	98	0.00	0.0	2.449	0.051	9	2	1	1
PL.45932	PL.46578	C	#2 ACSR	7.47Y	124.5	0.00	0.55	1.17	1	8	2	97	0.00	0.0	2.447	0.050	8	2	1	1
PL.46581	PL.46578	A	6 A (CWC)	7.47Y	124.5	0.00	0.55	7.73	6	56	14	97	0.00	0.0	2.398	0.001	0	0	0	5
PD.7257	PL.46581	A	30T	7.47Y	124.5	0.00	0.55	7.73	0	56	14	97	0.00	0.0	2.398	0.001	0	0	0	5

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.46785	PD.7257	A	6 A (CWC)	7.47Y	124.4	0.02	0.57	7.73	6	56	14	97	0.01	0.0	2.483	0.085	32	8	3	5
PL.46786	PL.46785	A	6 A (CWC)	7.47Y	124.4	0.01	0.57	3.35	2	24	6	97	0.00	0.0	2.557	0.075	24	6	2	2
PL.46582	PL.46578	ABC	336 MCM AC	7.45Y	124.1	0.33	0.88	319.70	62	6821	2185	95	11.41	0.2	2.530	0.133	7	2	1	745
PL.46583	PL.46582	ABC	336 MCM AC	7.44Y	124.0	0.09	0.96	319.38	62	6802	2156	95	2.95	0.0	2.564	0.034	13	3	1	744
PL.46584	PL.46583	ABC	336 MCM AC	7.44Y	124.0	0.08	1.04	318.77	61	6786	2146	95	2.70	0.0	2.596	0.032	35	9	5	743
PL.46585	PL.46584	ABC	336 MCM AC	7.43Y	123.9	0.10	1.14	317.13	61	6748	2131	95	3.55	0.1	2.638	0.042	33	8	4	738
PL.53750	PL.46585	ABC	336 MCM AC	7.43Y	123.8	0.05	1.19	315.60	61	6711	2114	95	1.79	0.0	2.659	0.021	19	5	3	734
PL.57803	PL.53750	C	#2 ACSR	7.43Y	123.8	0.00	1.19	0.01	0	0	0	100	0.00	0.0	2.663	0.004	0	0	0	1
PD.8411	PL.57803	C	30T	7.43Y	123.8	0.00	1.19	0.01	0	0	0	100	0.00	0.0	2.663	0.004	0	0	0	1
PL.58919	PD.8411	C	#2 ACSR	7.43Y	123.8	0.00	1.19	0.01	0	0	0	100	0.00	0.0	2.754	0.091	0	0	0	1
PL.58918	PL.58919	C	#2 ACSR	7.43Y	123.8	0.00	1.19	0.01	0	0	0	100	0.00	0.0	2.790	0.036	0	0	0	1
PL.64776	PL.58918	C	#1/0 ACSR	7.43Y	123.8	0.00	1.19	0.01	0	0	0	100	0.00	0.0	2.874	0.085	0	0	1	1
PL.59785	PL.53750	ABC	336 MCM AC	7.42Y	123.6	0.22	1.41	314.71	61	6690	2105	95	7.45	0.1	2.749	0.089	0	0	0	730
PL.60273	PL.59785	B	1/0 AL URD	7.42Y	123.6	0.00	1.41	0.00	0	0	0	100	0.00	0.0	3.127	0.379	0	0	0	0
PL.59786	PL.59785	ABC	336 MCM AC	7.41Y	123.5	0.09	1.50	314.15	61	6670	2085	95	2.98	0.0	2.785	0.036	14	3	1	729
PL.53734	PL.59786	ABC	336 MCM AC	7.40Y	123.3	0.21	1.71	313.53	60	6654	2074	95	7.34	0.1	2.873	0.089	16	4	1	728
PL.53662	PL.53734	C	#2 ACSR	7.40Y	123.3	0.00	1.71	4.47	3	32	8	97	0.00	0.0	2.874	0.001	0	0	0	3
PD.7220	PL.53662	C	30T	7.40Y	123.3	0.00	1.71	4.47	0	32	8	97	0.00	0.0	2.874	0.001	0	0	0	3
PL.53659	PD.7220	C	#2 ACSR	7.40Y	123.3	0.01	1.73	4.47	3	32	8	97	0.00	0.0	2.988	0.113	14	4	1	3
PL.53660	PL.53659	C	#2 ACSR	7.40Y	123.3	0.00	1.73	2.47	1	18	4	98	0.00	0.0	3.007	0.020	18	4	2	2
PL.53661	PL.53734	C	#2 ACSR	7.40Y	123.3	0.00	1.71	3.05	2	22	6	96	0.00	0.0	2.874	0.001	0	0	0	2
PD.7221	PL.53661	C	20T	7.40Y	123.3	0.00	1.71	3.05	0	22	6	96	0.00	0.0	2.874	0.001	0	0	0	2
PL.53657	PD.7221	C	#2 ACSR	7.40Y	123.3	0.00	1.72	3.05	2	22	6	96	0.00	0.0	2.920	0.046	19	5	1	2
PL.53658	PL.53657	C	#2 ACSR	7.40Y	123.3	0.00	1.72	0.34	0	2	1	89	0.00	0.0	3.006	0.086	2	1	1	1
PL.53663	PL.53734	ABC	336 MCM AC	7.38Y	123.0	0.30	2.02	310.27	60	6576	2040	96	10.25	0.2	3.000	0.126	0	0	0	722
PL.46824	PL.53663	ABC	336 MCM AC	7.36Y	122.7	0.32	2.34	310.26	60	6566	2016	96	10.89	0.2	3.134	0.134	0	0	0	721
PL.46588	PL.46824	ABC	336 MCM AC	7.36Y	122.6	0.06	2.39	310.26	60	6555	1990	96	2.02	0.0	3.159	0.025	5	1	1	721
PL.46589	PL.46588	ABC	336 MCM AC	7.35Y	122.4	0.17	2.56	310.02	60	6548	1984	96	5.74	0.1	3.230	0.071	0	0	0	720
PL.57804	PL.46589	C	#2 ACSR	7.35Y	122.4	0.00	2.56	0.00	0	0	0	100	0.00	0.0	3.232	0.003	0	0	0	0
PD.8412	PL.57804	C	30T	7.35Y	122.4	0.00	2.56	0.00	0	0	0	100	0.00	0.0	3.232	0.003	0	0	0	0
PL.57805	PD.8412	C	#2 ACSR	7.35Y	122.4	0.00	2.56	0.00	0	0	0	100	0.00	0.0	3.281	0.049	0	0	0	0

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.46590	PL.46589	ABC	336 MCM AC	7.34Y	122.3	0.17	2.73	310.02	60	6542	1971	96	5.70	0.1	3.300	0.070	0	0	0	720
PL.46591	PL.46590	ABC	336 MCM AC	7.34Y	122.3	0.00	2.73	310.02	60	6536	1957	96	0.02	0.0	3.301	0.000	0	0	0	720
PL.55992	PL.46591	ABC	336 MCM AC	7.32Y	122.0	0.26	2.99	310.02	60	6536	1957	96	9.09	0.1	3.413	0.112	5	1	1	720
PL.55993	PL.55992	ABC	336 MCM AC	7.30Y	121.7	0.31	3.30	309.77	60	6522	1935	96	10.57	0.2	3.544	0.131	0	0	0	719
PL.46390	PL.55993	ABC	336 MCM AC	7.30Y	121.6	0.09	3.39	307.63	59	6466	1899	96	2.96	0.0	3.581	0.037	0	0	0	715
PL.46692	PL.46390	ABC	#1/0 ACSR	7.29Y	121.5	0.07	3.45	68.77	30	1456	381	97	0.67	0.0	3.634	0.053	17	4	4	193
PL.46527	PL.46692	A	#4 ACSR	7.29Y	121.5	0.00	3.45	0.84	1	6	2	95	0.00	0.0	3.634	0.000	0	0	0	1
PD.7187	PL.46527	A	25T	7.29Y	121.5	0.00	3.45	0.84	0	6	2	95	0.00	0.0	3.634	0.000	0	0	0	1
PL.46528	PD.7187	A	#4 ACSR	7.29Y	121.5	0.00	3.45	0.84	1	6	2	95	0.00	0.0	3.698	0.064	6	2	1	1
PL.46693	PL.46692	ABC	#1/0 ACSR	7.29Y	121.5	0.01	3.46	67.68	29	1433	374	97	0.11	0.0	3.643	0.009	0	0	0	188
PL.46694	PL.46693	ABC	#1/0 ACSR	7.29Y	121.5	0.00	3.46	67.68	29	1433	374	97	0.00	0.0	3.643	0.000	0	0	0	188
PD.7304	PL.46694	ABC	140L	7.29Y	121.5	0.00	3.46	67.68	48	1433	374	97	0.00	0.0	3.643	0.000	0	0	0	188
PL.46849	PD.7304	ABC	#1/0 ACSR	7.29Y	121.5	0.09	3.55	67.68	29	1433	374	97	0.87	0.1	3.715	0.072	8	2	1	188
PL.46385	PL.46849	ABC	#1/0 ACSR	7.28Y	121.4	0.08	3.63	67.28	29	1423	371	97	0.79	0.1	3.781	0.067	32	8	2	187
PL.46695	PL.46385	ABC	#1/0 ACSR	7.28Y	121.3	0.03	3.66	65.78	29	1391	362	97	0.30	0.0	3.807	0.026	10	3	1	185
PL.59159	PL.46695	ABC	#1/0 ACSR	7.28Y	121.3	0.09	3.75	65.30	28	1380	359	97	0.85	0.1	3.883	0.076	19	5	3	184
PL.62444	PL.59159	ABC	#1/0 ACSR	7.27Y	121.2	0.04	3.79	63.97	28	1351	352	97	0.41	0.0	3.921	0.038	10	3	1	180
PL.62446	PL.62444	ABC	#1/0 ACSR	7.27Y	121.2	0.00	3.79	63.47	28	1340	348	97	0.00	0.0	3.921	0.000	0	0	0	179
PL.62445	PL.62446	ABC	#1/0 ACSR	7.27Y	121.1	0.07	3.86	61.67	27	1302	339	97	0.66	0.1	3.987	0.065	0	0	0	176
PL.46696	PL.62445	ABC	#1/0 ACSR	7.26Y	121.1	0.06	3.92	60.79	26	1283	334	97	0.54	0.0	4.041	0.054	0	0	0	174
PL.46447	PL.46696	ABC	#1/0 ACSR	7.26Y	121.0	0.08	4.00	59.94	26	1264	329	97	0.73	0.1	4.118	0.077	0	0	0	172
PL.57841	PL.46447	A	#2 ACSR	7.26Y	121.0	0.00	4.01	4.41	3	31	8	97	0.00	0.0	4.122	0.004	0	0	0	3
PD.8385	PL.57841	A	40T	7.26Y	121.0	0.00	4.01	4.41	0	31	8	97	0.00	0.0	4.122	0.004	0	0	0	3
PL.57842	PD.8385	A	#2 ACSR	7.26Y	121.0	0.00	4.01	4.41	3	31	8	97	0.00	0.0	4.160	0.038	31	8	3	3
PL.58019	PL.46447	C	1/0 AL URD	7.26Y	121.0	0.00	4.00	2.32	1	16	4	97	0.00	0.0	4.122	0.005	0	0	0	1
PD.8419	PL.58019	C	25T	7.26Y	121.0	0.00	4.00	2.32	0	16	4	97	0.00	0.0	4.122	0.005	0	0	0	1
PL.58020	PD.8419	C	1/0 AL URD	7.26Y	121.0	0.00	4.01	2.32	1	16	4	97	0.00	0.0	4.158	0.035	16	4	1	1
PL.57839	PL.46447	ABC	#1/0 ACSR	7.25Y	120.9	0.09	4.09	57.70	25	1216	316	97	0.75	0.1	4.202	0.084	0	0	0	168
PL.57840	PL.57839	C	#2 ACSR	7.25Y	120.9	0.00	4.09	4.62	3	33	8	97	0.00	0.0	4.203	0.001	0	0	0	5
PD.7188	PL.57840	C	40T	7.25Y	120.9	0.00	4.09	4.62	0	33	8	97	0.00	0.0	4.203	0.001	0	0	0	5
PL.46976	PD.7188	C	#2 ACSR	7.25Y	120.9	0.01	4.10	4.62	3	33	8	97	0.00	0.0	4.272	0.069	13	3	1	5

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.53640	PL.46976	C	#2 ACSR	7.25Y	120.9	0.01	4.11	2.83	2	20	5	97	0.00	0.0	4.367	0.095	1	0	1	4
PL.57935	PL.53640	C	6 A (CWC)	7.25Y	120.9	0.01	4.11	2.65	2	19	5	97	0.00	0.0	4.413	0.046	0	0	0	3
PL.57934	PL.57935	C	6 A (CWC)	7.25Y	120.9	0.03	4.14	2.65	2	19	5	97	0.00	0.0	4.679	0.266	8	2	1	3
PL.53726	PL.57934	C	6 A (CWC)	7.25Y	120.9	0.01	4.15	1.53	1	11	3	96	0.00	0.0	4.788	0.108	1	0	1	2
PL.46357	PL.53726	C	6 A (CWC)	7.25Y	120.9	0.00	4.15	1.44	1	10	3	96	0.00	0.0	4.832	0.044	10	3	1	1
PL.57936	PL.57935	C	1/0 AL URD	7.25Y	120.9	0.00	4.11	0.00	0	0	0	100	0.00	0.0	4.443	0.030	0	0	0	0
PL.63584	PL.57839	ABC	#3/0 ACSR	7.25Y	120.8	0.06	4.15	56.16	19	1183	307	97	0.45	0.0	4.290	0.087	34	8	2	163
PL.63585	PL.63584	ABC	#3/0 ACSR	7.25Y	120.8	0.03	4.18	54.57	18	1149	298	97	0.21	0.0	4.331	0.041	0	0	0	161
PD.8420-A	PL.63585	ABC	Closed	7.25Y	120.8	0.00	4.18	54.57	0	1149	298	97	0.00	0.0	4.331	0.041	0	0	0	161
PD.8420-B	PD.8420-A	ABC	Closed	7.25Y	120.8	0.00	4.18	54.57	0	1149	298	97	0.00	0.0	4.331	0.041	0	0	0	161
PL.58021	PD.8420-B	ABC	#3/0 ACSR	7.25Y	120.8	0.06	4.24	54.57	18	1149	298	97	0.41	0.0	4.412	0.082	0	0	0	161
PL.46721	PL.58021	A	6 A (CWC)	7.25Y	120.8	0.00	4.24	0.52	0	4	1	97	0.00	0.0	4.412	0.000	0	0	0	2
PD.7271	PL.46721	A	40T	7.25Y	120.8	0.00	4.24	0.52	0	4	1	97	0.00	0.0	4.412	0.000	0	0	0	2
PL.46722	PD.7271	A	6 A (CWC)	7.25Y	120.8	0.00	4.24	0.52	0	4	1	97	0.00	0.0	4.532	0.119	0	0	0	2
PL.45931	PL.46722	A	6 A (CWC)	7.25Y	120.8	0.00	4.24	0.13	0	1	0	100	0.00	0.0	4.572	0.041	1	0	1	1
PL.46723	PL.46722	A	6 A (CWC)	7.25Y	120.8	0.00	4.24	0.39	0	3	1	95	0.00	0.0	4.607	0.075	3	1	1	1
PL.46047	PL.58021	ABC	#3/0 ACSR	7.24Y	120.7	0.04	4.27	52.00	17	1094	283	97	0.26	0.0	4.470	0.058	0	0	0	149
PL.46675	PL.46047	ABC	#3/0 ACSR	7.24Y	120.7	0.05	4.33	51.99	17	1094	283	97	0.37	0.0	4.552	0.082	0	0	0	148
PL.46025	PL.46675	C	#4 ACSR	7.24Y	120.7	0.00	4.33	0.62	0	4	1	97	0.00	0.0	4.552	0.000	0	0	0	1
PD.7256	PL.46025	C	40T	7.24Y	120.7	0.00	4.33	0.62	0	4	1	97	0.00	0.0	4.552	0.000	0	0	0	1
PL.46674	PD.7256	C	#4 ACSR	7.24Y	120.7	0.00	4.33	0.62	0	4	1	97	0.00	0.0	4.608	0.056	4	1	1	1
PL.46676	PL.46675	A	#4 ACSR	7.24Y	120.7	0.00	4.33	1.64	1	12	3	97	0.00	0.0	4.552	0.000	0	0	0	1
PD.7215	PL.46676	A	40T	7.24Y	120.7	0.00	4.33	1.64	0	12	3	97	0.00	0.0	4.552	0.000	0	0	0	1
PL.46677	PD.7215	A	#4 ACSR	7.24Y	120.7	0.01	4.33	1.64	1	12	3	97	0.00	0.0	4.732	0.180	12	3	1	1
PL.47114	PL.46675	ABC	#3/0 ACSR	7.24Y	120.6	0.04	4.36	51.24	17	1078	278	97	0.26	0.0	4.611	0.059	0	0	0	146
PL.46337	PL.47114	ABC	#3/0 ACSR	7.24Y	120.6	0.02	4.39	50.81	17	1068	276	97	0.16	0.0	4.647	0.036	0	0	0	145
PL.46678	PL.46337	ABC	#3/0 ACSR	7.23Y	120.6	0.05	4.43	50.81	17	1068	275	97	0.33	0.0	4.723	0.076	0	0	0	145
PL.47117	PL.46678	ABC	#3/0 ACSR	7.23Y	120.5	0.08	4.51	50.44	17	1060	273	97	0.52	0.0	4.845	0.122	0	0	0	143
PL.47119	PL.47117	ABC	#3/0 ACSR	7.23Y	120.5	0.04	4.55	48.48	16	1018	262	97	0.23	0.0	4.903	0.058	0	0	0	132
PL.53650	PL.47119	ABC	#3/0 ACSR	7.22Y	120.4	0.06	4.60	48.27	16	1014	260	97	0.37	0.0	4.999	0.096	5	1	2	131
PL.63576	PL.53650	ABC	#3/0 ACSR	7.22Y	120.3	0.06	4.66	47.93	16	1006	258	97	0.40	0.0	5.101	0.102	0	0	0	128

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.63578	PL.63576	C	#1/0 ACSR	7.22Y	120.3	0.00	4.66	2.25	1	16	4	97	0.00	0.0	5.103	0.002	0	0	0	1
PD.9484	PL.63578	C	20T	7.22Y	120.3	0.00	4.66	2.25	0	16	4	97	0.00	0.0	5.103	0.002	0	0	0	1
PL.63579	PD.9484	C	#1/0 ACSR	7.22Y	120.3	0.00	4.66	2.25	1	16	4	97	0.00	0.0	5.152	0.049	16	4	1	1
PL.63577	PL.63576	ABC	#3/0 ACSR	7.22Y	120.3	0.06	4.72	47.18	16	990	253	97	0.39	0.0	5.207	0.105	0	0	0	127
PL.55339	PL.63577	C	6 A (CWC)	7.22Y	120.3	0.00	4.72	0.35	0	2	1	89	0.00	0.0	5.210	0.003	0	0	0	1
PD.8190	PL.55339	C	40T	7.22Y	120.3	0.00	4.72	0.35	0	2	1	89	0.00	0.0	5.210	0.003	0	0	0	1
PL.55340	PD.8190	C	6 A (CWC)	7.22Y	120.3	0.00	4.73	0.35	0	2	1	89	0.00	0.0	5.650	0.440	2	1	1	1
PL.47120	PL.63577	ABC	#3/0 ACSR	7.21Y	120.2	0.07	4.79	47.06	16	987	252	97	0.43	0.0	5.324	0.118	15	4	1	126
PL.55019	PL.47120	ABC	#3/0 ACSR	7.21Y	120.2	0.03	4.83	46.32	15	971	248	97	0.21	0.0	5.383	0.059	0	0	0	125
PL.58023	PL.55019	ABC	#1/0 ACSR	7.21Y	120.1	0.04	4.86	15.58	7	327	82	97	0.08	0.0	5.512	0.130	0	0	0	40
PD.8421	PL.58023	ABC	50L	7.21Y	120.1	0.00	4.86	15.58	31	327	82	97	0.00	0.0	5.512	0.130	0	0	0	40
PL.65303	PD.8421	ABC	#1/0 ACSR	7.21Y	120.1	0.02	4.89	15.58	7	327	82	97	0.05	0.0	5.596	0.084	0	0	0	40
PL.65302	PL.65303	ABC	#1/0 ACSR	7.21Y	120.1	0.01	4.89	15.58	7	327	82	97	0.02	0.0	5.626	0.029	0	0	0	39
PL.55022	PL.65302	ABC	#1/0 ACSR	7.21Y	120.1	0.02	4.91	15.58	7	327	82	97	0.05	0.0	5.699	0.073	14	4	1	39
PL.55020	PL.55022	ABC	#1/0 ACSR	7.20Y	120.1	0.01	4.92	14.30	6	300	76	97	0.02	0.0	5.728	0.029	0	0	0	36
PL.46005	PL.55020	C	#1/0 ACSR	7.20Y	120.1	0.00	4.92	1.08	0	8	2	97	0.00	0.0	5.729	0.001	0	0	0	2
PD.7266	PL.46005	C	30T	7.20Y	120.1	0.00	4.92	1.08	0	8	2	97	0.00	0.0	5.729	0.001	0	0	0	2
PL.55016	PD.7266	C	#1/0 ACSR	7.20Y	120.1	0.00	4.92	1.08	0	8	2	97	0.00	0.0	5.802	0.072	8	2	2	2
PL.55037	PL.55020	ABC	#1/0 ACSR	7.20Y	120.1	0.01	4.93	13.94	6	292	74	97	0.02	0.0	5.758	0.030	0	0	0	34
PL.55036	PL.55037	ABC	#1/0 ACSR	7.20Y	120.1	0.02	4.94	13.50	6	283	71	97	0.03	0.0	5.823	0.065	0	0	0	33
PL.55025	PL.55036	C	#4 ACSR	7.20Y	120.1	0.00	4.95	5.99	5	42	11	97	0.00	0.0	5.828	0.005	0	0	0	5
PD.8161	PL.55025	C	25T	7.20Y	120.1	0.00	4.95	5.99	0	42	11	97	0.00	0.0	5.828	0.005	0	0	0	5
PL.55026	PD.8161	C	#4 ACSR	7.20Y	120.0	0.01	4.96	5.99	5	42	11	97	0.00	0.0	5.886	0.058	9	2	1	5
PL.63553	PL.55026	C	#4 ACSR	7.20Y	120.0	0.01	4.97	4.75	4	33	8	97	0.00	0.0	5.926	0.040	14	4	1	4
PL.63554	PL.63553	C	#4 ACSR	7.20Y	120.0	0.00	4.97	2.73	2	19	5	97	0.00	0.0	5.955	0.029	6	2	1	3
PL.55017	PL.63554	C	#4 ACSR	7.20Y	120.0	0.00	4.97	1.82	1	13	3	97	0.00	0.0	5.989	0.034	13	3	2	2
PL.55027	PL.55036	ABC	#1/0 ACSR	7.20Y	120.0	0.01	4.96	11.50	5	241	61	97	0.02	0.0	5.876	0.054	0	0	0	28
PL.55028	PL.55027	C	1/0 AL URD	7.20Y	120.0	0.00	4.96	1.15	1	8	2	97	0.00	0.0	5.882	0.005	0	0	0	1
PD.8162	PL.55028	C	15T	7.20Y	120.0	0.00	4.96	1.15	0	8	2	97	0.00	0.0	5.882	0.005	0	0	0	1
PL.55029	PD.8162	C	1/0 AL URD	7.20Y	120.0	0.00	4.96	1.15	1	8	2	97	0.00	0.0	5.900	0.019	8	2	1	1
PL.59778	PL.55027	ABC	#1/0 ACSR	7.20Y	120.0	0.01	4.96	11.12	5	233	59	97	0.01	0.0	5.906	0.029	13	3	1	27

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.62803	PL.59778	ABC	#1/0 ACSR	7.20Y	120.0	0.01	4.97	9.90	4	207	52	97	0.02	0.0	5.970	0.064	0	0	0	25
PL.62802	PL.62803	ABC	#1/0 ACSR	7.20Y	120.0	0.01	4.98	9.90	4	207	52	97	0.01	0.0	6.021	0.051	0	0	0	25
PD.9448	PL.62802	ABC	25T	7.20Y	120.0	0.00	4.98	9.90	0	207	52	97	0.00	0.0	6.021	0.051	0	0	0	25
PL.59537	PD.9448	ABC	#1/0 ACSR	7.20Y	120.0	0.01	5.00	9.90	4	207	52	97	0.02	0.0	6.100	0.079	0	0	0	25
PL.46004	PL.59537	ABC	#1/0 ACSR	7.20Y	120.0	0.01	5.00	6.28	3	131	33	97	0.01	0.0	6.165	0.065	0	0	0	22
PL.58069	PL.46004	B	6 A (CWC)	7.20Y	120.0	0.00	5.00	0.69	0	5	1	98	0.00	0.0	6.168	0.003	0	0	0	2
PD.8424	PL.58069	B	25T	7.20Y	120.0	0.00	5.00	0.69	0	5	1	98	0.00	0.0	6.168	0.003	0	0	0	2
PL.58070	PD.8424	B	6 A (CWC)	7.20Y	120.0	0.00	5.00	0.69	0	5	1	98	0.00	0.0	6.184	0.015	2	1	1	2
PL.55040	PL.58070	B	6 A (CWC)	7.20Y	120.0	0.00	5.00	0.39	0	3	1	95	0.00	0.0	6.205	0.021	3	1	1	1
PL.55031	PL.46004	ABC	#1/0 ACSR	7.20Y	120.0	0.01	5.01	6.04	3	127	32	97	0.01	0.0	6.226	0.061	0	0	0	20
PL.63612	PL.55031	C	#4 ACSR	7.20Y	120.0	0.00	5.01	2.86	2	20	5	97	0.00	0.0	6.231	0.005	0	0	0	2
PD.8164	PL.63612	C	25T	7.20Y	120.0	0.00	5.01	2.86	0	20	5	97	0.00	0.0	6.231	0.005	0	0	0	2
PL.55032	PD.8164	C	#4 ACSR	7.20Y	120.0	0.00	5.01	2.86	2	20	5	97	0.00	0.0	6.271	0.040	20	5	2	2
PL.63613	PL.55031	A	#1/0 ACSR	7.20Y	120.0	0.00	5.01	1.18	1	8	2	97	0.00	0.0	6.229	0.003	0	0	0	1
PD.9485	PL.63613	A	20T	7.20Y	120.0	0.00	5.01	1.18	0	8	2	97	0.00	0.0	6.229	0.003	0	0	0	1
PL.63614	PD.9485	A	#1/0 ACSR	7.20Y	120.0	0.00	5.01	1.18	1	8	2	97	0.00	0.0	6.257	0.029	8	2	1	1
PL.55033	PL.55031	ABC	#1/0 ACSR	7.20Y	120.0	0.01	5.01	4.70	2	98	25	97	0.00	0.0	6.296	0.070	0	0	0	17
PL.55034	PL.55033	C	6 A (CWC)	7.20Y	120.0	0.00	5.02	11.42	8	80	20	97	0.00	0.0	6.300	0.004	0	0	0	11
PD.8165	PL.55034	C	30T	7.20Y	120.0	0.00	5.02	11.42	0	80	20	97	0.00	0.0	6.300	0.004	0	0	0	11
PL.55035	PD.8165	C	6 A (CWC)	7.20Y	119.9	0.05	5.06	11.42	8	80	20	97	0.03	0.0	6.393	0.093	3	1	1	11
PL.59543	PL.55035	C	6 A (CWC)	7.19Y	119.9	0.04	5.11	11.03	8	77	19	97	0.02	0.0	6.483	0.090	9	2	1	10
PL.59541	PL.59543	C	6 A (CWC)	7.19Y	119.9	0.00	5.11	0.00	0	0	0	100	0.00	0.0	6.679	0.196	0	0	0	0
PL.59542	PL.59543	C	6 A (CWC)	7.19Y	119.9	0.02	5.13	9.76	7	68	17	97	0.01	0.0	6.524	0.041	0	0	0	9
PL.58954	PL.59542	C	#1/0 ACSR	7.19Y	119.9	0.00	5.13	1.21	1	8	2	97	0.00	0.0	6.526	0.001	0	0	0	1
PD.8751	PL.58954	C	20T	7.19Y	119.9	0.00	5.13	1.21	0	8	2	97	0.00	0.0	6.526	0.001	0	0	0	1
PL.58917	PD.8751	C	#1/0 ACSR	7.19Y	119.9	0.00	5.13	1.21	1	8	2	97	0.00	0.0	6.877	0.351	8	2	1	1
PL.58951	PL.59542	C	6 A (CWC)	7.19Y	119.8	0.06	5.18	8.55	6	60	15	97	0.03	0.0	6.675	0.150	0	0	0	8
PL.58953	PL.58951	C	6 A (CWC)	7.19Y	119.8	0.01	5.20	6.19	4	43	11	97	0.00	0.0	6.720	0.045	0	0	0	6
PD.8427-A	PL.58953	C	Closed	7.19Y	119.8	0.00	5.20	6.19	0	43	11	97	0.00	0.0	6.720	0.045	0	0	0	6
PD.8427-B	PD.8427-A	C	Closed	7.19Y	119.8	0.00	5.20	6.19	0	43	11	97	0.00	0.0	6.720	0.045	0	0	0	6
PL.58073	PD.8427-B	C	6 A (CWC)	7.19Y	119.8	0.00	5.20	6.19	4	43	11	97	0.00	0.0	6.725	0.005	0	0	0	6

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.46320	PL.58073	C	6 A (CWC)	7.19Y	119.8	0.02	5.22	5.59	4	39	10	97	0.01	0.0	6.794	0.068	0	0	0	5
PL.55062	PL.46320	C	6 A (CWC)	7.19Y	119.8	0.00	5.22	4.92	4	34	9	97	0.00	0.0	6.812	0.019	0	0	0	4
PL.58078	PL.55062	C	6 A (CWC)	7.19Y	119.8	0.00	5.22	1.58	1	11	3	96	0.00	0.0	6.816	0.003	0	0	0	2
PD.8430	PL.58078	C	20T	7.19Y	119.8	0.00	5.22	1.58	0	11	3	96	0.00	0.0	6.816	0.003	0	0	0	2
PL.58079	PD.8430	C	6 A (CWC)	7.19Y	119.8	0.02	5.24	1.58	1	11	3	96	0.00	0.0	7.033	0.217	0	0	1	2
PL.46003	PL.58079	C	6 A (CWC)	7.19Y	119.8	0.01	5.24	1.58	1	11	3	96	0.00	0.0	7.291	0.258	11	3	1	1
PL.58076	PL.55062	C	6 A (CWC)	7.19Y	119.8	0.00	5.22	3.34	2	23	6	97	0.00	0.0	6.817	0.005	0	0	0	2
PD.8429	PL.58076	C	20T	7.19Y	119.8	0.00	5.22	3.34	0	23	6	97	0.00	0.0	6.817	0.005	0	0	0	2
PL.58077	PD.8429	C	6 A (CWC)	7.19Y	119.8	0.02	5.24	3.34	2	23	6	97	0.00	0.0	6.964	0.148	0	0	0	2
PL.57904	PL.58077	C	6 A (CWC)	7.19Y	119.8	0.01	5.25	2.15	2	15	4	97	0.00	0.0	7.094	0.130	15	4	1	1
PL.57905	PL.57904	C	6 A (CWC)	7.19Y	119.8	0.00	5.25	0.00	0	0	0	100	0.00	0.0	7.200	0.105	0	0	0	0
PL.57903	PL.58077	C	#1/0 ACSR	7.19Y	119.8	0.00	5.24	1.19	1	8	2	97	0.00	0.0	7.018	0.054	8	2	1	1
PL.46317	PL.46320	C	#4 ACSR	7.19Y	119.8	0.00	5.22	0.68	1	5	1	98	0.00	0.0	6.815	0.021	5	1	1	1
PL.58074	PL.58073	C	6 A (CWC)	7.19Y	119.8	0.00	5.20	0.60	0	4	1	97	0.00	0.0	6.730	0.005	0	0	0	1
PD.8428	PL.58074	C	20T	7.19Y	119.8	0.00	5.20	0.60	0	4	1	97	0.00	0.0	6.730	0.005	0	0	0	1
PL.58075	PD.8428	C	6 A (CWC)	7.19Y	119.8	0.00	5.20	0.60	0	4	1	97	0.00	0.0	6.791	0.061	4	1	1	1
PL.58952	PL.58951	C	6 A (CWC)	7.19Y	119.8	0.01	5.19	2.35	2	16	4	97	0.00	0.0	6.761	0.086	5	1	1	2
PL.46002	PL.58952	C	6 A (CWC)	7.19Y	119.8	0.00	5.19	1.68	1	12	3	97	0.00	0.0	6.826	0.065	12	3	1	1
PL.58071	PL.55033	C	6 A (CWC)	7.20Y	120.0	0.00	5.02	2.68	2	19	5	97	0.00	0.0	6.301	0.005	0	0	0	6
PD.8425	PL.58071	C	30T	7.20Y	120.0	0.00	5.02	2.68	0	19	5	97	0.00	0.0	6.301	0.005	0	0	0	6
PL.60366	PD.8425	C	6 A (CWC)	7.20Y	119.9	0.04	5.05	2.68	2	19	5	97	0.01	0.0	6.622	0.321	1	0	1	6
PL.60367	PL.60366	C	6 A (CWC)	7.20Y	119.9	0.00	5.05	2.57	2	18	5	96	0.00	0.0	6.625	0.003	0	0	0	5
PD.8426-A	PL.60367	C	Closed	7.20Y	119.9	0.00	5.05	2.57	0	18	5	96	0.00	0.0	6.625	0.003	0	0	0	5
PD.8426-B	PD.8426-A	C	Closed	7.20Y	119.9	0.00	5.05	2.57	0	18	5	96	0.00	0.0	6.625	0.003	0	0	0	5
PL.58072	PD.8426-B	C	6 A (CWC)	7.20Y	119.9	0.01	5.06	2.57	2	18	5	96	0.00	0.0	6.734	0.109	5	1	1	5
PL.46468	PL.58072	C	6 A (CWC)	7.20Y	119.9	0.01	5.07	1.90	1	13	3	97	0.00	0.0	6.813	0.078	0	0	0	4
PL.45240	PL.46468	C	6 A (CWC)	7.20Y	119.9	0.00	5.07	0.00	0	0	0	100	0.00	0.0	6.843	0.030	0	0	0	0
PD.7956-A	PL.45240	C	Open	7.20Y	119.9	0.00	5.07	0.00	0	0	0	100	0.00	0.0	6.843	0.030	0	0	0	0
PL.45241	PL.46468	C	#4 ACSR	7.20Y	119.9	0.00	5.07	1.90	1	13	3	97	0.00	0.0	6.814	0.001	0	0	0	4
PD.7255	PL.45241	C	20T	7.20Y	119.9	0.00	5.07	1.90	0	13	3	97	0.00	0.0	6.814	0.001	0	0	0	4
PL.46469	PD.7255	C	#4 ACSR	7.19Y	119.9	0.02	5.09	1.90	1	13	3	97	0.00	0.0	7.072	0.258	1	0	1	4

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

Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.46470	PL.46469	C	#4 ACSR	7.19Y	119.9	0.00	5.09	1.80	1	13	3	97	0.00	0.0	7.097	0.024	13	3	2	3
PL.46471	PL.46470	C	#4 ACSR	7.19Y	119.9	0.00	5.09	0.00	0	0	0	100	0.00	0.0	7.179	0.082	0	0	1	1
PL.58067	PL.59537	C	#2 ACSR	7.20Y	120.0	0.00	5.00	10.87	6	76	19	97	0.00	0.0	6.101	0.000	0	0	0	3
PD.8423	PL.58067	C	25T	7.20Y	120.0	0.00	5.00	10.87	0	76	19	97	0.00	0.0	6.101	0.000	0	0	0	3
PL.58068	PD.8423	C	#2 ACSR	7.20Y	120.0	0.00	5.00	10.87	6	76	19	97	0.00	0.0	6.101	0.000	0	0	0	3
PL.58065	PL.58068	C	#2 ACSR	7.20Y	120.0	0.01	5.01	9.46	5	66	17	97	0.00	0.0	6.140	0.040	20	5	1	2
PL.58064	PL.58065	C	#2 ACSR	7.20Y	120.0	0.00	5.01	6.60	4	46	12	97	0.00	0.0	6.185	0.045	46	12	1	1
PL.58066	PL.58068	C	#2 ACSR	7.20Y	120.0	0.00	5.00	1.41	1	10	2	98	0.00	0.0	6.136	0.035	10	2	1	1
PL.62804	PL.62803	C	#1/0 ACSR	7.20Y	120.0	0.00	4.97	0.00	0	0	0	100	0.00	0.0	5.974	0.004	0	0	0	0
PD.8422	PL.62804	C	25T	7.20Y	120.0	0.00	4.97	0.00	0	0	0	100	0.00	0.0	5.974	0.004	0	0	0	0
PL.58024	PD.8422	C	#1/0 ACSR	7.20Y	120.0	0.00	4.97	0.00	0	0	0	100	0.00	0.0	5.998	0.024	0	0	0	0
PL.59779	PL.59778	C	#4 ACSR	7.20Y	120.0	0.00	4.96	1.75	1	12	3	97	0.00	0.0	5.909	0.003	0	0	0	1
PD.8163	PL.59779	C	25T	7.20Y	120.0	0.00	4.96	1.75	0	12	3	97	0.00	0.0	5.909	0.003	0	0	0	1
PL.55030	PD.8163	C	#4 ACSR	7.20Y	120.0	0.01	4.97	1.75	1	12	3	97	0.00	0.0	6.109	0.200	12	3	1	1
PL.55038	PL.55037	A	#1/0 ACSR	7.20Y	120.1	0.00	4.93	1.34	1	9	2	98	0.00	0.0	5.764	0.007	0	0	0	1
PD.8166	PL.55038	A	15T	7.20Y	120.1	0.00	4.93	1.34	0	9	2	98	0.00	0.0	5.764	0.007	0	0	0	1
PL.55039	PD.8166	A	#1/0 ACSR	7.20Y	120.1	0.00	4.93	1.34	1	9	2	98	0.00	0.0	5.772	0.008	9	2	1	1
PL.55023	PL.55022	C	6 A (CWC)	7.21Y	120.1	0.00	4.91	1.76	1	12	3	97	0.00	0.0	5.705	0.006	0	0	0	2
PD.8160	PL.55023	C	30T	7.21Y	120.1	0.00	4.91	1.76	0	12	3	97	0.00	0.0	5.705	0.006	0	0	0	2
PL.55024	PD.8160	C	6 A (CWC)	7.20Y	120.1	0.00	4.92	1.76	1	12	3	97	0.00	0.0	5.755	0.050	8	2	1	2
PL.55021	PL.55024	C	6 A (CWC)	7.20Y	120.1	0.00	4.92	0.58	0	4	1	97	0.00	0.0	5.805	0.051	4	1	1	1
PL.65304	PL.65303	C	1/0 AL URD	7.21Y	120.1	0.00	4.89	0.02	0	0	0	100	0.00	0.0	5.624	0.027	0	0	1	1
PL.58080	PL.55019	ABC	#3/0 ACSR	7.21Y	120.2	0.02	4.84	30.74	10	644	165	97	0.07	0.0	5.424	0.041	0	0	0	85
PD.8431-A	PL.58080	ABC	Closed	7.21Y	120.2	0.00	4.84	30.74	0	644	165	97	0.00	0.0	5.424	0.041	0	0	0	85
PD.8431-B	PD.8431-A	ABC	Closed	7.21Y	120.2	0.00	4.84	30.74	0	644	165	97	0.00	0.0	5.424	0.041	0	0	0	85
PL.58081	PD.8431-B	ABC	#3/0 ACSR	7.21Y	120.1	0.01	4.85	30.74	10	644	165	97	0.05	0.0	5.453	0.029	0	0	0	85
PL.46028	PL.58081	C	#4 ACSR	7.21Y	120.1	0.00	4.85	1.48	1	10	3	96	0.00	0.0	5.454	0.001	0	0	0	1
PD.7000	PL.46028	C	40T	7.21Y	120.1	0.00	4.85	1.48	0	10	3	96	0.00	0.0	5.454	0.001	0	0	0	1
PL.55018	PD.7000	C	#4 ACSR	7.21Y	120.1	0.00	4.86	1.48	1	10	3	96	0.00	0.0	5.511	0.057	10	3	1	1
PL.46344	PL.58081	ABC	#3/0 ACSR	7.21Y	120.1	0.04	4.90	30.25	10	634	162	97	0.18	0.0	5.567	0.114	0	0	0	84
PL.46029	PL.46344	C	#4 ACSR	7.21Y	120.1	0.00	4.90	1.42	1	10	2	98	0.00	0.0	5.568	0.001	0	0	0	1

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.7210	PL.46029	C	30T	7.21Y	120.1	0.00	4.90	1.42	0	10	2	98	0.00	0.0	5.568	0.001	0	0	0	1
PL.46030	PD.7210	C	#4 ACSR	7.21Y	120.1	0.00	4.90	1.42	1	10	2	98	0.00	0.0	5.654	0.086	10	2	1	1
PL.46781	PL.46344	ABC	#3/0 ACSR	7.20Y	120.0	0.05	4.95	29.78	10	624	159	97	0.22	0.0	5.715	0.148	0	0	0	83
PL.46472	PL.46781	C	#2 ACSR	7.20Y	120.0	0.00	4.95	0.42	0	3	1	95	0.00	0.0	5.715	0.001	0	0	0	1
PD.6998	PL.46472	C	30T	7.20Y	120.0	0.00	4.95	0.42	0	3	1	95	0.00	0.0	5.715	0.001	0	0	0	1
PL.46473	PD.6998	C	#2 ACSR	7.20Y	120.0	0.00	4.95	0.42	0	3	1	95	0.00	0.0	5.770	0.054	3	1	1	1
PL.46031	PL.46781	ABC	#3/0 ACSR	7.20Y	120.0	0.03	4.98	29.63	10	620	158	97	0.11	0.0	5.792	0.078	0	0	0	82
PL.58084	PL.46031	ABC	#3/0 ACSR	7.20Y	120.0	0.03	5.01	29.54	10	618	158	97	0.13	0.0	5.883	0.091	0	0	0	81
PL.58086	PL.58084	ABC	#3/0 ACSR	7.20Y	120.0	0.02	5.04	28.45	9	596	152	97	0.09	0.0	5.953	0.070	0	0	0	76
PL.58085	PL.58086	ABC	#3/0 ACSR	7.20Y	119.9	0.04	5.08	28.23	9	591	150	97	0.15	0.0	6.067	0.114	2	1	1	75
PL.57844	PL.58085	ABC	#3/0 ACSR	7.19Y	119.9	0.02	5.10	27.37	9	572	146	97	0.09	0.0	6.135	0.068	0	0	0	73
PL.57845	PL.57844	C	#2 ACSR	7.19Y	119.9	0.00	5.10	5.88	3	41	10	97	0.00	0.0	6.138	0.003	0	0	0	4
PD.8386	PL.57845	C	30T	7.19Y	119.9	0.00	5.10	5.88	0	41	10	97	0.00	0.0	6.138	0.003	0	0	0	4
PL.57846	PD.8386	C	#2 ACSR	7.19Y	119.9	0.01	5.11	5.88	3	41	10	97	0.00	0.0	6.205	0.067	9	2	1	4
PL.55092	PL.57846	C	#2 ACSR	7.19Y	119.9	0.01	5.12	4.52	3	32	8	97	0.00	0.0	6.307	0.102	14	3	1	3
PL.55093	PL.55092	C	#2 ACSR	7.19Y	119.9	0.02	5.14	2.58	1	18	5	96	0.00	0.0	6.549	0.242	0	0	0	2
PL.45436	PL.55093	C	#2 ACSR	7.19Y	119.9	0.01	5.15	1.74	1	12	3	97	0.00	0.0	6.693	0.144	0	0	0	1
PL.46179	PL.45436	C	#2 ACSR	7.19Y	119.8	0.00	5.15	1.74	1	12	3	97	0.00	0.0	6.734	0.041	12	3	1	1
PL.55094	PL.55093	C	#2 ACSR	7.19Y	119.9	0.00	5.14	0.83	0	6	1	99	0.00	0.0	6.605	0.056	6	1	1	1
PL.55095	PL.57844	ABC	#3/0 ACSR	7.19Y	119.9	0.02	5.12	25.41	8	531	135	97	0.07	0.0	6.199	0.065	0	0	0	69
PL.55096	PL.55095	ABC	#3/0 ACSR	7.19Y	119.8	0.03	5.15	25.41	8	531	135	97	0.11	0.0	6.297	0.097	0	0	0	69
PL.46035	PL.55096	ABC	#3/0 ACSR	7.19Y	119.8	0.03	5.18	24.37	8	509	130	97	0.10	0.0	6.397	0.101	4	1	1	66
PL.46036	PL.46035	ABC	#3/0 ACSR	7.19Y	119.8	0.04	5.22	24.16	8	505	128	97	0.12	0.0	6.518	0.120	0	0	0	65
PL.58091	PL.46036	C	#2 ACSR	7.19Y	119.8	0.00	5.22	5.85	3	41	10	97	0.00	0.0	6.518	0.000	0	0	0	4
PD.8433	PL.58091	C	30T	7.19Y	119.8	0.00	5.22	5.85	0	41	10	97	0.00	0.0	6.518	0.000	0	0	0	4
PL.58092	PD.8433	C	#2 ACSR	7.19Y	119.8	0.00	5.22	5.85	3	41	10	97	0.00	0.0	6.518	0.000	0	0	0	4
PL.58090	PL.58092	C	#4 ACSR	7.19Y	119.8	0.00	5.22	3.02	2	21	5	97	0.00	0.0	6.544	0.025	21	5	2	2
PL.45117	PL.58092	C	#2 ACSR	7.19Y	119.8	0.00	5.22	2.83	2	20	5	97	0.00	0.0	6.536	0.017	0	0	0	2
PL.46707	PL.45117	C	#2 ACSR	7.19Y	119.8	0.00	5.22	2.83	2	20	5	97	0.00	0.0	6.579	0.043	11	3	1	2
PL.46708	PL.46707	C	#2 ACSR	7.19Y	119.8	0.00	5.22	1.23	1	9	2	98	0.00	0.0	6.634	0.055	9	2	1	1
PL.55013	PL.46036	ABC	#3/0 ACSR	7.19Y	119.8	0.01	5.23	22.21	7	464	118	97	0.03	0.0	6.549	0.031	4	1	1	61

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.55012	PL.55013	ABC	#3/0 ACSR	7.19Y	119.8	0.02	5.24	21.59	7	451	115	97	0.05	0.0	6.615	0.066	0	0	0	59
PL.58093	PL.55012	C	#1/0 ACSR	7.19Y	119.8	0.00	5.24	2.74	1	19	5	97	0.00	0.0	6.619	0.004	0	0	0	2
PD.8434	PL.58093	C	50T	7.19Y	119.8	0.00	5.24	2.74	0	19	5	97	0.00	0.0	6.619	0.004	0	0	0	2
PL.58094	PD.8434	C	#1/0 ACSR	7.19Y	119.8	0.00	5.24	2.74	1	19	5	97	0.00	0.0	6.632	0.013	0	0	0	2
PL.58095	PL.58094	C	1/0 AL URD	7.19Y	119.8	0.00	5.24	2.74	2	19	5	97	0.00	0.0	6.636	0.004	0	0	0	2
PD.8435	PL.58095	C	30T	7.19Y	119.8	0.00	5.24	2.74	0	19	5	97	0.00	0.0	6.636	0.004	0	0	0	2
PL.58096	PD.8435	C	1/0 AL URD	7.19Y	119.8	0.00	5.25	2.74	2	19	5	97	0.00	0.0	6.716	0.080	19	5	2	2
PL.55097	PL.55012	ABC	#3/0 ACSR	7.18Y	119.7	0.02	5.26	20.68	7	432	110	97	0.06	0.0	6.700	0.084	2	0	1	57
PL.57820	PL.55097	C	#4 ACSR	7.18Y	119.7	0.00	5.27	2.21	2	15	4	97	0.00	0.0	6.704	0.004	0	0	0	1
PD.8396	PL.57820	C	30T	7.18Y	119.7	0.00	5.27	2.21	0	15	4	97	0.00	0.0	6.704	0.004	0	0	0	1
PL.57821	PD.8396	C	#4 ACSR	7.18Y	119.7	0.00	5.27	2.21	2	15	4	97	0.00	0.0	6.778	0.074	15	4	1	1
PL.55098	PL.55097	ABC	#3/0 ACSR	7.18Y	119.7	0.03	5.30	19.86	7	415	105	97	0.08	0.0	6.824	0.125	1	0	1	55
PL.58097	PL.55098	ABC	#3/0 ACSR	7.18Y	119.7	0.02	5.31	19.84	7	414	105	97	0.05	0.0	6.903	0.078	0	0	0	54
PD.8436	PL.58097	ABC	70L	7.18Y	119.7	0.00	5.31	19.84	28	414	105	97	0.00	0.0	6.903	0.078	0	0	0	54
PL.58098	PD.8436	ABC	#3/0 ACSR	7.18Y	119.7	0.01	5.33	19.84	7	414	105	97	0.03	0.0	6.947	0.044	0	0	0	54
PL.54988	PL.58098	C	6 A (CWC)	7.18Y	119.6	0.08	5.40	37.13	27	258	66	97	0.15	0.1	6.995	0.047	11	3	1	31
PL.54989	PL.54988	C	6 A (CWC)	7.17Y	119.6	0.05	5.45	35.57	25	247	63	97	0.09	0.0	7.023	0.029	7	2	1	30
PL.54987	PL.54989	C	6 A (CWC)	7.16Y	119.4	0.19	5.64	34.49	25	240	61	97	0.35	0.1	7.143	0.120	0	0	0	29
PL.46429	PL.54987	C	6 A (CWC)	7.16Y	119.3	0.02	5.66	7.72	6	54	13	97	0.01	0.0	7.196	0.053	0	0	0	7
PL.54784	PL.46429	C	6 A (CWC)	7.16Y	119.3	0.02	5.67	4.92	4	34	9	97	0.00	0.0	7.289	0.093	13	3	1	4
PL.54785	PL.54784	C	#4 ACSR	7.16Y	119.3	0.00	5.67	3.04	2	21	5	97	0.00	0.0	7.292	0.003	0	0	0	3
PD.8168	PL.54785	C	25T	7.16Y	119.3	0.00	5.67	3.04	0	21	5	97	0.00	0.0	7.292	0.003	0	0	0	3
PL.54783	PD.8168	C	#4 ACSR	7.16Y	119.3	0.01	5.68	3.04	2	21	5	97	0.00	0.0	7.356	0.064	0	0	0	3
PL.55126	PL.54783	C	#4 ACSR	7.16Y	119.3	0.00	5.69	3.04	2	21	5	97	0.00	0.0	7.381	0.025	0	0	0	3
PL.55113	PL.55126	C	#2 ACSR	7.16Y	119.3	0.00	5.69	3.04	2	21	5	97	0.00	0.0	7.432	0.051	8	2	1	3
PL.55115	PL.55113	C	#1/0 ACSR	7.16Y	119.3	0.00	5.69	1.86	1	13	3	97	0.00	0.0	7.455	0.023	13	3	2	2
PL.55114	PL.55126	C	#4 ACSR	7.16Y	119.3	0.00	5.69	0.00	0	0	0	100	0.00	0.0	7.460	0.079	0	0	0	0
PL.55099	PL.46429	C	#1/0 ACSR	7.16Y	119.3	0.00	5.66	1.03	0	7	2	96	0.00	0.0	7.233	0.037	7	2	1	1
PL.55007	PL.46429	C	#4 ACSR	7.16Y	119.3	0.00	5.66	0.88	1	6	2	95	0.00	0.0	7.250	0.054	6	2	1	1
PL.55006	PL.46429	C	#4 ACSR	7.16Y	119.3	0.00	5.66	0.00	0	0	0	100	0.00	0.0	7.259	0.063	0	0	0	0
PL.64356	PL.46429	C	#1/0 ACSR	7.16Y	119.3	0.00	5.66	0.89	0	6	2	95	0.00	0.0	7.231	0.035	6	2	1	1

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PL.46498	PL.54987	C	6 A (CWC)	7.14Y	119.0	0.32	5.96	26.77	19	186	47	97	0.46	0.2	7.406	0.262	0	0	0	22	
PL.46334	PL.46498	C	#4 ACSR	7.14Y	119.0	0.00	5.96	1.41	1	10	2	98	0.00	0.0	7.411	0.006	0	0	0	2	
PD.7211	PL.46334	C	25T	7.14Y	119.0	0.00	5.96	1.41	0	10	2	98	0.00	0.0	7.411	0.006	0	0	0	2	
PL.55112	PD.7211	C	#4 ACSR	7.14Y	119.0	0.01	5.96	1.41	1	10	2	98	0.00	0.0	7.546	0.134	6	1	1	2	
PL.59760	PL.55112	C	#1/0 ACSR	7.14Y	119.0	0.00	5.96	0.60	0	4	1	97	0.00	0.0	7.573	0.027	0	0	0	1	
PL.59762	PL.59760	C	1/0 AL URD	7.14Y	119.0	0.00	5.97	0.60	0	4	1	97	0.00	0.0	7.659	0.086	0	0	0	1	
PD.8954	PL.59762	C	100CodeSMo	7.14Y	119.0	0.00	5.97	0.60	0	4	1	97	0.00	0.0	7.659	0.086	0	0	0	1	
PL.59763	PD.8954	C	1/0 AL URD	7.14Y	119.0	0.00	5.97	0.60	0	4	1	97	0.00	0.0	7.662	0.003	0	0	0	1	
PL.59761	PL.59763	C	1/0 AL URD	7.14Y	119.0	0.00	5.97	0.60	0	4	1	97	0.00	0.0	7.690	0.028	4	1	1	1	
PL.55073	PL.46498	C	6 A (CWC)	7.13Y	118.8	0.27	6.23	25.36	18	176	45	97	0.37	0.2	7.640	0.234	0	0	0	20	
PL.58110	PL.55073	C	6 A (CWC)	7.13Y	118.8	0.00	6.23	18.28	13	126	32	97	0.00	0.0	7.643	0.004	0	0	0	13	
PD.8443	PL.58110	C	100CodeSMo	7.13Y	118.8	0.00	6.23	18.28	0	126	32	97	0.00	0.0	7.643	0.004	0	0	0	13	
PL.58111	PD.8443	C	6 A (CWC)	7.12Y	118.7	0.05	6.28	18.28	13	126	32	97	0.05	0.0	7.709	0.065	1	0	1	13	
PL.59876	PL.58111	C	6 A (CWC)	7.11Y	118.6	0.16	6.44	18.08	13	125	32	97	0.16	0.1	7.904	0.196	0	0	0	12	
PL.59878	PL.59876	C	#4 ACSR	7.11Y	118.6	0.00	6.44	1.58	1	11	3	96	0.00	0.0	7.907	0.003	0	0	0	1	
PD.8898	PL.59878	C	20T	7.11Y	118.6	0.00	6.44	1.58	0	11	3	96	0.00	0.0	7.907	0.003	0	0	0	1	
PL.59879	PD.8898	C	#4 ACSR	7.11Y	118.6	0.00	6.45	1.58	1	11	3	96	0.00	0.0	7.980	0.073	11	3	1	1	
PL.59877	PL.59876	C	6 A (CWC)	7.11Y	118.5	0.09	6.54	16.50	12	114	29	97	0.08	0.1	8.028	0.123	0	0	0	11	
PL.55102	PL.59877	C	6 A (CWC)	7.10Y	118.3	0.14	6.68	16.50	12	114	29	97	0.13	0.1	8.219	0.191	0	0	0	11	
PL.58115	PL.55102	C	1/0 AL URD	7.10Y	118.3	0.00	6.68	1.53	1	11	3	96	0.00	0.0	8.222	0.003	0	0	0	1	
PD.8447	PL.58115	C	15T	7.10Y	118.3	0.00	6.68	1.53	0	11	3	96	0.00	0.0	8.222	0.003	0	0	0	1	
PL.58116	PD.8447	C	1/0 AL URD	7.10Y	118.3	0.00	6.68	1.53	1	11	3	96	0.00	0.0	8.260	0.038	11	3	1	1	
PL.59880	PL.55102	C	6 A (CWC)	7.09Y	118.2	0.12	6.80	14.97	11	103	26	97	0.09	0.1	8.398	0.179	11	3	1	10	
PL.59881	PL.59880	C	6 A (CWC)	7.09Y	118.2	0.00	6.80	10.69	8	74	19	97	0.00	0.0	8.402	0.003	0	0	0	6	
PD.8899-A	PL.59881	C	Closed	7.09Y	118.2	0.00	6.80	10.69	0	74	19	97	0.00	0.0	8.402	0.003	0	0	0	6	
PD.8899-B	PD.8899-A	C	Closed	7.09Y	118.2	0.00	6.80	10.69	0	74	19	97	0.00	0.0	8.402	0.003	0	0	0	6	
PL.59882	PD.8899-B	C	6 A (CWC)	7.09Y	118.1	0.10	6.90	10.69	8	74	19	97	0.06	0.1	8.611	0.210	0	0	0	6	
PL.53762	PL.59882	C	6 A (CWC)	7.08Y	118.1	0.04	6.94	10.69	8	73	19	97	0.02	0.0	8.696	0.084	0	0	0	6	
PL.53832	PL.53762	C	6 A (CWC)	7.08Y	118.0	0.03	6.97	9.07	6	62	16	97	0.01	0.0	8.770	0.074	0	0	0	5	
PL.53833	PL.53832	C	6 A (CWC)	7.08Y	118.0	0.02	7.00	9.07	6	62	16	97	0.01	0.0	8.829	0.060	0	0	0	5	
L PL.53831	PL.53833	C	6 A (CWC)	7.08Y	118.0	0.02	7.01	9.07	6	62	16	97	0.01	0.0	8.876	0.046	0	0	0	5	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: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PL.58123	PL.53831	C	#4 ACSR	7.08Y	118.0	0.00	7.02	5.49	4	38	9	97	0.00	0.0	8.878	0.003	0	0	0	1	L
L PD.8451	PL.58123	C	25T	7.08Y	118.0	0.00	7.02	5.49	0	38	9	97	0.00	0.0	8.878	0.003	0	0	0	1	L
L PL.58124	PD.8451	C	#4 ACSR	7.08Y	118.0	0.03	7.04	5.49	4	38	9	97	0.01	0.0	8.984	0.106	0	0	0	1	L
L PL.58125	PL.58124	C	2 AL URD	7.08Y	118.0	0.00	7.04	5.49	3	38	9	97	0.00	0.0	8.987	0.003	0	0	0	1	L
L PD.8452	PL.58125	C	12T	7.08Y	118.0	0.00	7.04	5.49	0	38	9	97	0.00	0.0	8.987	0.003	0	0	0	1	L
L PL.58126	PD.8452	C	2 AL URD	7.08Y	118.0	0.01	7.05	5.49	3	38	9	97	0.00	0.0	9.044	0.057	38	9	1	1	L
L PL.58121	PL.53831	C	#2 ACSR	7.08Y	118.0	0.00	7.02	3.58	2	25	6	97	0.00	0.0	8.879	0.003	0	0	0	4	L
L PD.8450	PL.58121	C	15T	7.08Y	118.0	0.00	7.02	3.58	0	25	6	97	0.00	0.0	8.879	0.003	0	0	0	4	L
L PL.58122	PD.8450	C	#2 ACSR	7.08Y	118.0	0.01	7.02	3.58	2	25	6	97	0.00	0.0	8.950	0.071	0	0	0	4	L
L PL.55118	PL.58122	C	#2 ACSR	7.08Y	118.0	0.00	7.02	0.28	0	2	0	100	0.00	0.0	8.980	0.030	1	0	2	3	L
L PL.55119	PL.55118	C	#2 ACSR	7.08Y	118.0	0.00	7.02	0.14	0	1	0	100	0.00	0.0	9.012	0.032	1	0	1	1	L
L PL.53835	PL.58122	C	#2 ACSR	7.08Y	118.0	0.00	7.03	3.30	2	23	6	97	0.00	0.0	9.011	0.061	23	6	1	1	L
L PL.59865	PL.53831	C	6 A (CWC)	7.08Y	118.0	0.00	7.01	0.00	0	0	0	100	0.00	0.0	8.879	0.003	0	0	0	0	L
PL.53834	PL.53762	C	#4 ACSR	7.08Y	118.1	0.00	6.94	1.62	1	11	3	96	0.00	0.0	8.730	0.034	11	3	1	1	
PL.58119	PL.59882	C	#2 ACSR	7.09Y	118.1	0.00	6.90	0.00	0	0	0	100	0.00	0.0	8.614	0.002	0	0	0	0	
PD.8449	PL.58119	C	20T	7.09Y	118.1	0.00	6.90	0.00	0	0	0	100	0.00	0.0	8.614	0.002	0	0	0	0	
PL.58120	PD.8449	C	#2 ACSR	7.09Y	118.1	0.00	6.90	0.00	0	0	0	100	0.00	0.0	8.706	0.092	0	0	0	0	
PL.53763	PL.58120	C	#2 ACSR	7.09Y	118.1	0.00	6.90	0.00	0	0	0	100	0.00	0.0	9.237	0.531	0	0	0	0	
PL.53764	PL.58120	C	#1/0 ACSR	7.09Y	118.1	0.00	6.90	0.00	0	0	0	100	0.00	0.0	8.780	0.073	0	0	0	0	
PL.59883	PL.59880	C	6 A (CWC)	7.09Y	118.2	0.00	6.80	2.69	2	19	5	97	0.00	0.0	8.401	0.003	0	0	0	3	
PD.8832	PL.59883	C	25T	7.09Y	118.2	0.00	6.80	2.69	0	19	5	97	0.00	0.0	8.401	0.003	0	0	0	3	
PL.59864	PD.8832	C	6 A (CWC)	7.09Y	118.2	0.01	6.81	2.69	2	19	5	97	0.00	0.0	8.496	0.095	0	0	0	3	
PL.58117	PL.59864	C	#1/0 ACSR	7.09Y	118.2	0.00	6.81	1.34	1	9	2	98	0.00	0.0	8.499	0.003	0	0	0	1	
PD.8448	PL.58117	C	15T	7.09Y	118.2	0.00	6.81	1.34	0	9	2	98	0.00	0.0	8.499	0.003	0	0	0	1	
PL.58118	PD.8448	C	#1/0 ACSR	7.09Y	118.2	0.00	6.81	1.34	1	9	2	98	0.00	0.0	8.674	0.175	9	2	1	1	
PL.55008	PL.59864	C	6 A (CWC)	7.09Y	118.2	0.00	6.81	1.35	1	9	2	98	0.00	0.0	8.539	0.043	0	0	0	2	
PL.54993	PL.55008	C	6 A (CWC)	7.09Y	118.2	0.00	6.81	0.00	0	0	0	100	0.00	0.0	8.584	0.044	0	0	1	1	
PL.54994	PL.54993	C	6 A (CWC)	7.09Y	118.2	0.00	6.81	0.00	0	0	0	100	0.00	0.0	8.689	0.105	0	0	0	0	
PL.54995	PL.54994	C	6 A (CWC)	7.09Y	118.2	0.00	6.81	0.00	0	0	0	100	0.00	0.0	8.991	0.301	0	0	0	0	
PL.54992	PL.55008	C	6 A (CWC)	7.09Y	118.2	0.00	6.81	1.35	1	9	2	98	0.00	0.0	8.558	0.019	9	2	1	1	
PL.55075	PL.55073	C	6 A (CWC)	7.13Y	118.8	0.00	6.23	7.08	5	49	12	97	0.00	0.0	7.646	0.006	0	0	0	7	

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.8167	PL.55075	C	25T	7.13Y	118.8	0.00	6.23	7.08	0	49	12	97	0.00	0.0	7.646	0.006	0	0	0	7
PL.55076	PD.8167	C	6 A (CWC)	7.12Y	118.7	0.04	6.27	7.08	5	49	12	97	0.01	0.0	7.760	0.114	0	0	0	7
PL.64727	PL.55076	C	6 A (CWC)	7.12Y	118.7	0.05	6.32	5.45	4	38	9	97	0.01	0.0	7.964	0.204	0	0	0	6
PL.64728	PL.64727	C	6 A (CWC)	7.12Y	118.7	0.01	6.33	2.64	2	18	5	96	0.00	0.0	8.078	0.114	0	0	0	5
PL.58112	PL.64728	C	6 A (CWC)	7.12Y	118.7	0.00	6.33	1.50	1	10	3	96	0.00	0.0	8.081	0.003	0	0	0	2
PD.8445	PL.58112	C	15T	7.12Y	118.7	0.00	6.33	1.50	0	10	3	96	0.00	0.0	8.081	0.003	0	0	0	2
PL.58113	PD.8445	C	6 A (CWC)	7.12Y	118.7	0.01	6.34	1.50	1	10	3	96	0.00	0.0	8.179	0.098	4	1	1	2
PL.63603	PL.58113	C	1/0 AL URD	7.12Y	118.7	0.00	6.34	0.92	1	6	2	95	0.00	0.0	8.236	0.057	6	2	1	1
PL.59859	PL.64728	C	6 A (CWC)	7.12Y	118.7	0.00	6.33	1.14	1	8	2	97	0.00	0.0	8.083	0.005	0	0	0	3
PD.8444-A	PL.59859	C	Closed	7.12Y	118.7	0.00	6.33	1.14	0	8	2	97	0.00	0.0	8.083	0.005	0	0	0	3
PD.8444-B	PD.8444-A	C	Closed	7.12Y	118.7	0.00	6.33	1.14	0	8	2	97	0.00	0.0	8.083	0.005	0	0	0	3
PL.63566	PD.8444-B	C	6 A (CWC)	7.12Y	118.7	0.02	6.35	1.14	1	8	2	97	0.00	0.0	8.409	0.326	1	0	1	3
PL.63565	PL.63566	C	#1/0 ACSR	7.12Y	118.7	0.00	6.35	0.47	0	3	1	95	0.00	0.0	8.483	0.074	0	0	0	1
PL.59862	PL.63565	C	#1/0 ACSR	7.12Y	118.7	0.00	6.35	0.00	0	0	0	100	0.00	0.0	8.487	0.003	0	0	0	0
PD.8831	PL.59862	C	15T	7.12Y	118.7	0.00	6.35	0.00	0	0	0	100	0.00	0.0	8.487	0.003	0	0	0	0
PL.59863	PD.8831	C	#1/0 ACSR	7.12Y	118.7	0.00	6.35	0.00	0	0	0	100	0.00	0.0	8.601	0.114	0	0	0	0
PL.59860	PL.63565	C	#1/0 ACSR	7.12Y	118.7	0.00	6.35	0.47	0	3	1	95	0.00	0.0	8.487	0.004	0	0	0	1
PD.8830	PL.59860	C	15T	7.12Y	118.7	0.00	6.35	0.47	0	3	1	95	0.00	0.0	8.487	0.004	0	0	0	1
PL.59861	PD.8830	C	#1/0 ACSR	7.12Y	118.7	0.00	6.35	0.47	0	3	1	95	0.00	0.0	8.796	0.309	3	1	1	1
PL.63567	PL.63566	C	#4 ACSR	7.12Y	118.7	0.00	6.35	0.52	0	4	1	97	0.00	0.0	8.412	0.003	0	0	0	1
PD.8446	PL.63567	C	15T	7.12Y	118.7	0.00	6.35	0.52	0	4	1	97	0.00	0.0	8.412	0.003	0	0	0	1
PL.58114	PD.8446	C	#4 ACSR	7.12Y	118.7	0.00	6.35	0.52	0	4	1	97	0.00	0.0	8.679	0.267	4	1	1	1
PL.64731	PL.64727	C	1/0 AL URD	7.12Y	118.7	0.00	6.32	2.81	2	19	5	97	0.00	0.0	8.037	0.073	19	5	1	1
PL.55074	PL.55076	C	#4 ACSR	7.12Y	118.7	0.00	6.27	1.64	1	11	3	96	0.00	0.0	7.811	0.051	11	3	1	1
PL.55072	PL.55074	C	#4 ACSR	7.12Y	118.7	0.00	6.27	0.00	0	0	0	100	0.00	0.0	7.939	0.128	0	0	0	0
PL.59538	PL.58098	ABC	336 MCM AC	7.18Y	119.7	0.00	5.33	7.46	1	156	39	97	0.00	0.0	6.992	0.045	0	0	0	23
PL.59539	PL.59538	ABC	336 MCM AC	7.18Y	119.7	0.00	5.33	6.75	1	141	35	97	0.00	0.0	7.037	0.045	6	2	2	21
PL.55015	PL.59539	ABC	336 MCM AC	7.18Y	119.7	0.00	5.33	6.45	1	135	34	97	0.00	0.0	7.089	0.052	0	0	0	19
PL.46316	PL.55015	ABC	336 MCM AC	7.18Y	119.7	0.00	5.34	5.17	1	108	27	97	0.00	0.0	7.189	0.101	0	0	0	13
PL.54982	PL.46316	ABC	336 MCM AC	7.18Y	119.7	0.00	5.34	3.51	1	73	18	97	0.00	0.0	7.288	0.099	0	0	0	9
PL.58106	PL.54982	A	#1/0 ACSR	7.18Y	119.7	0.00	5.34	3.06	1	21	5	97	0.00	0.0	7.291	0.003	0	0	0	2

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.8441	PL.58106	A	15T	7.18Y	119.7	0.00	5.34	3.06	0	21	5	97	0.00	0.0	7.291	0.003	0	0	0	2
PL.58107	PD.8441	A	#1/0 ACSR	7.18Y	119.7	0.00	5.34	3.06	1	21	5	97	0.00	0.0	7.311	0.020	21	5	2	2
PL.54986	PL.54982	ABC	336 MCM AC	7.18Y	119.7	0.00	5.34	2.49	0	52	13	97	0.00	0.0	7.522	0.234	0	0	0	7
PL.55048	PL.54986	ABC	336 MCM AC	7.18Y	119.7	0.00	5.34	2.05	0	43	11	97	0.00	0.0	7.574	0.052	6	2	3	6
PL.55047	PL.55048	ABC	336 MCM AC	7.18Y	119.7	0.00	5.34	1.74	0	36	9	97	0.00	0.0	7.659	0.085	21	5	2	3
PL.55046	PL.55047	A	#4/0 ACSR	7.18Y	119.7	0.00	5.35	2.18	1	15	4	97	0.00	0.0	7.707	0.048	15	4	1	1
PL.59536	PL.55047	ABC	336 MCM AC	7.18Y	119.7	0.00	5.34	0.00	0	0	0	100	0.00	0.0	7.662	0.003	0	0	0	0
PD.8794-B	PL.59536	ABC	Open	7.18Y	119.7	0.00	5.34	0.00	0	0	0	100	0.00	0.0	7.662	0.003	0	0	0	0
PL.58108	PL.54986	A	1/0 AL URD	7.18Y	119.7	0.00	5.34	1.33	1	9	2	98	0.00	0.0	7.526	0.004	0	0	0	1
PD.8442	PL.58108	A	15T	7.18Y	119.7	0.00	5.34	1.33	0	9	2	98	0.00	0.0	7.526	0.004	0	0	0	1
PL.58109	PD.8442	A	1/0 AL URD	7.18Y	119.7	0.00	5.34	1.33	1	9	2	98	0.00	0.0	7.577	0.051	9	2	1	1
PL.46315	PL.46316	A	#2 ACSR	7.18Y	119.7	0.00	5.34	1.17	1	8	2	97	0.00	0.0	7.236	0.046	8	2	1	1
PL.58104	PL.46316	A	#2 ACSR	7.18Y	119.7	0.00	5.34	2.68	2	19	5	97	0.00	0.0	7.193	0.004	0	0	0	2
PD.8440	PL.58104	A	15T	7.18Y	119.7	0.00	5.34	2.68	0	19	5	97	0.00	0.0	7.193	0.004	0	0	0	2
PL.58105	PD.8440	A	#2 ACSR	7.18Y	119.7	0.00	5.34	2.68	2	19	5	97	0.00	0.0	7.249	0.055	19	5	2	2
PL.58102	PL.46316	A	#4 ACSR	7.18Y	119.7	0.00	5.34	1.13	1	8	2	97	0.00	0.0	7.194	0.004	0	0	0	1
PD.8439	PL.58102	A	15T	7.18Y	119.7	0.00	5.34	1.13	0	8	2	97	0.00	0.0	7.194	0.004	0	0	0	1
PL.58103	PD.8439	A	#4 ACSR	7.18Y	119.7	0.00	5.34	1.13	1	8	2	97	0.00	0.0	7.254	0.060	8	2	1	1
PL.58100	PL.55015	A	6 A (CWC)	7.18Y	119.7	0.00	5.33	3.85	3	27	7	97	0.00	0.0	7.093	0.004	0	0	0	6
PD.8438	PL.58100	A	20T	7.18Y	119.7	0.00	5.33	3.85	0	27	7	97	0.00	0.0	7.093	0.004	0	0	0	6
PL.58101	PD.8438	A	6 A (CWC)	7.18Y	119.7	0.01	5.35	3.85	3	27	7	97	0.00	0.0	7.187	0.093	10	3	2	6
PL.55124	PL.58101	A	6 A (CWC)	7.18Y	119.6	0.00	5.35	1.96	1	14	3	98	0.00	0.0	7.250	0.063	7	2	2	3
PL.55125	PL.55124	A	6 A (CWC)	7.18Y	119.6	0.00	5.35	0.99	1	7	2	96	0.00	0.0	7.291	0.041	7	2	1	1
PL.55123	PL.58101	A	6 A (CWC)	7.18Y	119.7	0.00	5.35	0.41	0	3	1	95	0.00	0.0	7.231	0.044	3	1	1	1
PL.59540	PL.59538	A	6 A (CWC)	7.18Y	119.7	0.00	5.33	2.14	2	15	4	97	0.00	0.0	6.996	0.004	0	0	0	2
PD.8437	PL.59540	A	15T	7.18Y	119.7	0.00	5.33	2.14	0	15	4	97	0.00	0.0	6.996	0.004	0	0	0	2
PL.58099	PD.8437	A	6 A (CWC)	7.18Y	119.7	0.00	5.33	2.14	2	15	4	97	0.00	0.0	7.081	0.086	15	4	2	2
PL.55014	PL.55013	A	#1/0 ACSR	7.19Y	119.8	0.00	5.23	1.23	1	9	2	98	0.00	0.0	6.552	0.002	0	0	0	1
PD.8159	PL.55014	A	30T	7.19Y	119.8	0.00	5.23	1.23	0	9	2	98	0.00	0.0	6.552	0.002	0	0	0	1
PL.55011	PD.8159	A	#1/0 ACSR	7.19Y	119.8	0.00	5.23	1.23	1	9	2	98	0.00	0.0	6.595	0.044	9	2	1	1
PL.46180	PL.55096	C	6 A (CWC)	7.19Y	119.8	0.00	5.15	3.11	2	22	5	98	0.00	0.0	6.298	0.001	0	0	0	3

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

Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.7208	PL.46180	C	30T	7.19Y	119.8	0.00	5.15	3.11	0	22	5	98	0.00	0.0	6.298	0.001	0	0	0	3
PL.46033	PD.7208	C	6 A (CWC)	7.19Y	119.8	0.01	5.16	3.11	2	22	5	98	0.00	0.0	6.340	0.042	3	1	1	3
PL.46034	PL.46033	C	6 A (CWC)	7.19Y	119.8	0.00	5.16	2.70	2	19	5	97	0.00	0.0	6.375	0.034	0	0	0	2
PL.46217	PL.46034	C	#4 ACSR	7.19Y	119.8	0.01	5.17	1.99	2	14	3	98	0.00	0.0	6.512	0.137	14	3	1	1
PL.55091	PL.46034	C	6 A (CWC)	7.19Y	119.8	0.00	5.16	0.71	1	5	1	98	0.00	0.0	6.418	0.043	5	1	1	1
PL.57843	PL.58085	A	#2 ACSR	7.20Y	119.9	0.00	5.08	2.22	1	15	4	97	0.00	0.0	6.067	0.000	0	0	0	1
PD.7209	PL.57843	A	30T	7.20Y	119.9	0.00	5.08	2.22	0	15	4	97	0.00	0.0	6.067	0.000	0	0	0	1
PL.45435	PD.7209	A	#2 ACSR	7.20Y	119.9	0.00	5.08	2.22	1	15	4	97	0.00	0.0	6.131	0.064	15	4	1	1
PL.58087	PL.58086	C	#1/0 ACSR	7.20Y	120.0	0.00	5.04	0.69	0	5	1	98	0.00	0.0	5.954	0.001	0	0	0	1
PD.7267	PL.58087	C	30T	7.20Y	120.0	0.00	5.04	0.69	0	5	1	98	0.00	0.0	5.954	0.001	0	0	0	1
PL.55005	PD.7267	C	#1/0 ACSR	7.20Y	120.0	0.00	5.04	0.69	0	5	1	98	0.00	0.0	6.034	0.080	5	1	1	1
PL.58088	PL.58084	A	#2 ACSR	7.20Y	120.0	0.00	5.01	3.26	2	23	6	97	0.00	0.0	5.886	0.002	0	0	0	5
PD.8432	PL.58088	A	30T	7.20Y	120.0	0.00	5.01	3.26	0	23	6	97	0.00	0.0	5.886	0.002	0	0	0	5
PL.58089	PD.8432	A	#2 ACSR	7.20Y	120.0	0.00	5.01	3.26	2	23	6	97	0.00	0.0	5.886	0.000	0	0	0	5
PL.58083	PL.58089	A	#2 ACSR	7.20Y	120.0	0.00	5.01	1.73	1	12	3	97	0.00	0.0	5.950	0.064	12	3	1	1
PL.58082	PL.58089	A	#2 ACSR	7.20Y	120.0	0.00	5.01	1.53	1	11	3	96	0.00	0.0	5.921	0.035	11	3	4	4
PL.46032	PL.46031	A	#2 ACSR	7.20Y	120.0	0.00	4.98	0.28	0	2	0	100	0.00	0.0	5.793	0.001	0	0	0	1
PD.7268	PL.46032	A	30T	7.20Y	120.0	0.00	4.98	0.28	0	2	0	100	0.00	0.0	5.793	0.001	0	0	0	1
PL.45962	PD.7268	A	#2 ACSR	7.20Y	120.0	0.00	4.98	0.28	0	2	0	100	0.00	0.0	5.827	0.034	2	0	1	1
PL.53651	PL.53650	C	#2 ACSR	7.22Y	120.4	0.00	4.60	0.36	0	3	1	95	0.00	0.0	4.999	0.000	0	0	0	1
PD.7286	PL.53651	C	40T	7.22Y	120.4	0.00	4.60	0.36	0	3	1	95	0.00	0.0	4.999	0.000	0	0	0	1
PL.55325	PD.7286	C	#2 ACSR	7.22Y	120.4	0.00	4.60	0.36	0	3	1	95	0.00	0.0	5.026	0.026	3	1	1	1
PL.55337	PL.47119	C	#2 ACSR	7.23Y	120.5	0.00	4.55	0.63	0	4	1	97	0.00	0.0	4.907	0.004	0	0	0	1
PD.8189	PL.55337	C	40T	7.23Y	120.5	0.00	4.55	0.63	0	4	1	97	0.00	0.0	4.907	0.004	0	0	0	1
PL.55338	PD.8189	C	#2 ACSR	7.23Y	120.5	0.00	4.55	0.63	0	4	1	97	0.00	0.0	4.948	0.041	4	1	1	1
PL.55336	PL.47117	C	6 A (CWC)	7.23Y	120.5	0.00	4.51	5.88	4	41	10	97	0.00	0.0	4.848	0.003	0	0	0	11
PD.8188	PL.55336	C	40T	7.23Y	120.5	0.00	4.51	5.88	0	41	10	97	0.00	0.0	4.848	0.003	0	0	0	11
PL.55333	PD.8188	C	6 A (CWC)	7.23Y	120.5	0.03	4.54	5.88	4	41	10	97	0.01	0.0	4.963	0.115	0	0	0	11
PL.55334	PL.55333	C	#2 ACSR	7.23Y	120.5	0.00	4.54	0.20	0	1	0	100	0.00	0.0	5.064	0.101	1	0	1	1
PL.55335	PL.55333	C	6 A (CWC)	7.22Y	120.4	0.05	4.59	5.67	4	40	10	97	0.02	0.0	5.160	0.197	0	0	0	10
PL.55329	PL.55335	C	#4 ACSR	7.22Y	120.4	0.01	4.60	1.64	1	11	3	96	0.00	0.0	5.235	0.075	0	0	2	4

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.55331	PL.55329	C	1/0 AL URD	7.22Y	120.4	0.00	4.60	1.28	1	9	2	98	0.00	0.0	5.274	0.039	9	2	1	1
PL.55330	PL.55329	C	#4 ACSR	7.22Y	120.4	0.00	4.60	0.33	0	2	1	89	0.00	0.0	5.389	0.154	2	1	1	1
PL.55324	PL.55335	C	#4 ACSR	7.22Y	120.4	0.00	4.59	0.76	1	5	1	98	0.00	0.0	5.217	0.058	5	1	1	1
PL.47016	PL.55335	C	6 A (CWC)	7.22Y	120.4	0.01	4.60	3.28	2	23	6	97	0.00	0.0	5.234	0.074	2	0	1	5
PL.55326	PL.47016	C	#4 ACSR	7.22Y	120.4	0.01	4.61	2.21	2	15	4	97	0.00	0.0	5.322	0.089	0	0	0	3
PL.55327	PL.55326	C	#4 ACSR	7.22Y	120.4	0.00	4.61	2.21	2	15	4	97	0.00	0.0	5.367	0.045	15	4	2	2
PL.55328	PL.55326	C	1/0 AL URD	7.22Y	120.4	0.00	4.61	0.00	0	0	0	100	0.00	0.0	5.387	0.064	0	0	1	1
PL.55332	PL.47016	C	6 A (CWC)	7.22Y	120.4	0.00	4.60	0.81	1	6	1	99	0.00	0.0	5.298	0.064	6	1	1	1
PL.47118	PL.46678	C	#4 ACSR	7.23Y	120.6	0.00	4.43	1.14	1	8	2	97	0.00	0.0	4.723	0.000	0	0	0	2
PD.7244	PL.47118	C	40T	7.23Y	120.6	0.00	4.43	1.14	0	8	2	97	0.00	0.0	4.723	0.000	0	0	0	2
PL.53544	PD.7244	C	#4 ACSR	7.23Y	120.6	0.00	4.44	1.14	1	8	2	97	0.00	0.0	4.905	0.182	8	2	2	2
PL.47115	PL.47114	A	#2 ACSR	7.24Y	120.6	0.00	4.36	1.27	1	9	2	98	0.00	0.0	4.611	0.000	0	0	0	1
PD.7214	PL.47115	A	40T	7.24Y	120.6	0.00	4.36	1.27	0	9	2	98	0.00	0.0	4.611	0.000	0	0	0	1
PL.47116	PD.7214	A	#2 ACSR	7.24Y	120.6	0.00	4.36	1.27	1	9	2	98	0.00	0.0	4.633	0.022	9	2	1	1
PL.47112	PL.46047	C	#4 ACSR	7.24Y	120.7	0.00	4.27	0.01	0	0	0	100	0.00	0.0	4.470	0.000	0	0	0	1
PD.7270	PL.47112	C	40T	7.24Y	120.7	0.00	4.27	0.01	0	0	0	100	0.00	0.0	4.470	0.000	0	0	0	1
PL.47113	PD.7270	C	#4 ACSR	7.24Y	120.7	0.00	4.27	0.01	0	0	0	100	0.00	0.0	4.515	0.045	0	0	1	1
PL.46720	PL.58021	C	6 A (CWC)	7.25Y	120.8	0.00	4.24	7.19	5	50	13	97	0.00	0.0	4.412	0.000	0	0	0	10
PD.7216	PL.46720	C	40T	7.25Y	120.8	0.00	4.24	7.19	0	50	13	97	0.00	0.0	4.412	0.000	0	0	0	10
PL.46228	PD.7216	C	6 A (CWC)	7.25Y	120.8	0.01	4.25	7.19	5	50	13	97	0.00	0.0	4.448	0.036	8	2	1	10
PL.53743	PL.46228	C	6 A (CWC)	7.24Y	120.7	0.02	4.27	6.09	4	43	11	97	0.01	0.0	4.530	0.082	3	1	1	9
PL.53744	PL.53743	C	6 A (CWC)	7.24Y	120.7	0.04	4.31	5.50	4	39	10	97	0.01	0.0	4.690	0.160	0	0	0	6
PL.60585	PL.53744	C	#2 ACSR	7.24Y	120.7	0.00	4.31	2.52	1	18	4	98	0.00	0.0	4.749	0.059	0	0	0	1
PL.60586	PL.60585	C	#1/0 ACSR	7.24Y	120.7	0.00	4.31	2.52	1	18	4	98	0.00	0.0	4.752	0.003	0	0	0	1
PD.9045	PL.60586	C	15T	7.24Y	120.7	0.00	4.31	2.52	0	18	4	98	0.00	0.0	4.752	0.003	0	0	0	1
PL.60587	PD.9045	C	#1/0 ACSR	7.24Y	120.7	0.00	4.31	2.52	1	18	4	98	0.00	0.0	4.776	0.024	18	4	1	1
PL.45137	PL.53744	C	#2 ACSR	7.24Y	120.7	0.00	4.31	0.22	0	1	1	71	0.00	0.0	4.917	0.228	1	1	1	1
PL.59707	PL.53744	C	6 A (CWC)	7.24Y	120.7	0.01	4.32	2.76	2	19	5	97	0.00	0.0	4.765	0.075	0	0	0	4
PL.59708	PL.59707	C	6 A (CWC)	7.24Y	120.7	0.00	4.32	1.36	1	10	2	98	0.00	0.0	4.852	0.088	8	2	1	3
PL.46725	PL.59708	C	6 A (CWC)	7.24Y	120.7	0.00	4.32	0.16	0	1	0	100	0.00	0.0	4.867	0.015	0	0	0	2
PL.46724	PL.46725	C	6 A (CWC)	7.24Y	120.7	0.00	4.32	0.16	0	1	0	100	0.00	0.0	4.930	0.063	1	0	2	2

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.59709	PL.59707	C	6 A (CWC)	7.24Y	120.7	0.00	4.32	1.41	1	10	2	98	0.00	0.0	4.766	0.002	0	0	0	1
PD.8827	PL.59709	C	15T	7.24Y	120.7	0.00	4.32	1.41	0	10	2	98	0.00	0.0	4.766	0.002	0	0	0	1
PL.59710	PD.8827	C	6 A (CWC)	7.24Y	120.7	0.00	4.32	1.41	1	10	2	98	0.00	0.0	4.843	0.077	10	2	1	1
PL.53745	PL.53743	C	#4 ACSR	7.24Y	120.7	0.00	4.27	0.17	0	1	0	100	0.00	0.0	4.557	0.027	1	0	2	2
PL.46697	PL.46696	C	6 A (CWC)	7.26Y	121.1	0.00	3.92	2.52	2	18	4	98	0.00	0.0	4.042	0.000	0	0	0	2
PD.7245	PL.46697	C	40T	7.26Y	121.1	0.00	3.92	2.52	0	18	4	98	0.00	0.0	4.042	0.000	0	0	0	2
PL.46780	PD.7245	C	6 A (CWC)	7.26Y	121.1	0.00	3.93	2.52	2	18	4	98	0.00	0.0	4.086	0.045	18	4	2	2
PL.53646	PL.62445	A	6 A (CWC)	7.27Y	121.1	0.00	3.86	2.65	2	19	5	97	0.00	0.0	3.987	0.000	0	0	0	2
PD.7925	PL.53646	A	40T	7.27Y	121.1	0.00	3.86	2.65	0	19	5	97	0.00	0.0	3.987	0.000	0	0	0	2
PL.53647	PD.7925	A	#1/0 ACSR	7.27Y	121.1	0.00	3.87	2.65	1	19	5	97	0.00	0.0	4.027	0.040	8	2	1	2
PL.53648	PL.53647	A	#1/0 ACSR	7.27Y	121.1	0.00	3.87	1.48	1	10	3	96	0.00	0.0	4.124	0.098	0	0	0	1
PL.53783	PL.53648	A	1/0 AL URD	7.27Y	121.1	0.00	3.87	1.48	1	10	3	96	0.00	0.0	4.199	0.075	10	3	1	1
PL.62447	PL.62446	C	#1/0 ACSR	7.27Y	121.2	0.00	3.79	5.41	2	38	10	97	0.00	0.0	3.922	0.001	0	0	0	3
PD.9341	PL.62447	C	40T	7.27Y	121.2	0.00	3.79	5.41	0	38	10	97	0.00	0.0	3.922	0.001	0	0	0	3
PL.62443	PD.9341	C	#4 ACSR	7.27Y	121.2	0.00	3.79	1.11	1	8	2	97	0.00	0.0	3.985	0.062	8	2	1	1
PL.62441	PD.9341	C	#1/0 ACSR	7.27Y	121.2	0.00	3.79	4.30	2	30	8	97	0.00	0.0	3.957	0.035	10	3	1	2
PL.62442	PL.62441	C	#1/0 ACSR	7.27Y	121.2	0.00	3.80	2.84	1	20	5	97	0.00	0.0	4.011	0.054	20	5	1	1
PL.59160	PL.59159	C	#1/0 ACSR	7.28Y	121.3	0.00	3.75	1.27	1	9	2	98	0.00	0.0	3.885	0.002	0	0	0	1
PD.8764	PL.59160	C	20T	7.28Y	121.3	0.00	3.75	1.27	0	9	2	98	0.00	0.0	3.885	0.002	0	0	0	1
PL.59161	PD.8764	C	#1/0 ACSR	7.28Y	121.3	0.00	3.75	1.27	1	9	2	98	0.00	0.0	3.930	0.045	9	2	1	1
PL.46683	PL.46390	ABC	336 MCM AC	7.29Y	121.5	0.11	3.49	234.41	45	4911	1487	96	2.75	0.1	3.640	0.060	7	2	1	512
PL.46684	PL.46683	ABC	336 MCM AC	7.28Y	121.3	0.20	3.70	234.10	45	4902	1479	96	5.27	0.1	3.755	0.114	0	0	0	511
PL.58131	PL.46684	C	#2 ACSR	7.28Y	121.3	0.00	3.70	1.83	1	13	3	97	0.00	0.0	3.757	0.002	0	0	0	1
PD.8454	PL.58131	C	25T	7.28Y	121.3	0.00	3.70	1.83	0	13	3	97	0.00	0.0	3.757	0.002	0	0	0	1
PL.58132	PD.8454	C	#2 ACSR	7.28Y	121.3	0.00	3.70	1.83	1	13	3	97	0.00	0.0	3.787	0.031	13	3	1	1
PL.58129	PL.46684	A	6 A (CWC)	7.28Y	121.3	0.00	3.70	11.21	8	79	20	97	0.00	0.0	3.757	0.003	0	0	0	9
PD.8453	PL.58129	A	50T	7.28Y	121.3	0.00	3.70	11.21	0	79	20	97	0.00	0.0	3.757	0.003	0	0	0	9
PL.58130	PD.8453	A	6 A (CWC)	7.28Y	121.3	0.03	3.73	11.21	8	79	20	97	0.02	0.0	3.819	0.061	3	1	1	9
PL.58127	PL.58130	A	6 A (CWC)	7.28Y	121.3	0.02	3.75	8.81	6	62	16	97	0.01	0.0	3.875	0.056	16	4	3	7
PL.46550	PL.58127	A	6 A (CWC)	7.27Y	121.2	0.01	3.76	6.52	5	46	12	97	0.00	0.0	3.919	0.044	27	7	2	4
PL.46718	PL.46550	A	6 A (CWC)	7.27Y	121.2	0.01	3.76	2.73	2	19	5	97	0.00	0.0	3.971	0.052	6	2	1	2

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.46719	PL.46718	A	6 A (CWC)	7.27Y	121.2	0.00	3.77	1.86	1	13	3	97	0.00	0.0	3.996	0.025	0	0	0	1
PL.46409	PL.46719	A	#2 ACSR	7.27Y	121.2	0.00	3.77	1.86	1	13	3	97	0.00	0.0	4.020	0.024	13	3	1	1
PL.58128	PL.58130	A	6 A (CWC)	7.28Y	121.3	0.00	3.73	1.91	1	13	3	97	0.00	0.0	3.866	0.047	13	3	1	1
PL.47039	PL.46684	ABC	336 MCM AC	7.27Y	121.2	0.09	3.79	229.75	44	4804	1444	96	2.32	0.0	3.807	0.052	11	3	1	501
PL.58135	PL.47039	C	#4 ACSR	7.27Y	121.2	0.00	3.79	38.74	30	273	69	97	0.00	0.0	3.807	0.000	0	0	0	35
PD.8455	PL.58135	C	65T	7.27Y	121.2	0.00	3.79	38.74	0	273	69	97	0.00	0.0	3.807	0.000	0	0	0	35
PL.58136	PD.8455	C	#4 ACSR	7.27Y	121.1	0.10	3.89	38.74	30	273	69	97	0.20	0.1	3.863	0.056	0	0	0	35
PL.58134	PL.58136	C	#4 ACSR	7.27Y	121.1	0.00	3.89	1.18	1	8	2	97	0.00	0.0	3.885	0.022	8	2	1	1
PL.58133	PL.58136	C	#4 ACSR	7.26Y	121.0	0.11	4.00	37.56	29	265	67	97	0.22	0.1	3.929	0.066	0	0	0	34
PL.53572	PL.58133	C	#4 ACSR	7.26Y	121.0	0.01	4.00	2.85	2	20	5	97	0.00	0.0	3.994	0.065	9	2	1	4
PL.53575	PL.53572	C	#4 ACSR	7.26Y	121.0	0.00	4.00	1.51	1	11	3	96	0.00	0.0	4.009	0.016	11	3	3	3
PL.53031	PL.58133	C	#4 ACSR	7.26Y	121.0	0.04	4.04	34.72	27	244	62	97	0.07	0.0	3.956	0.027	13	3	3	30
PL.64736	PL.53031	C	#4 ACSR	7.25Y	120.9	0.07	4.10	28.27	22	199	50	97	0.10	0.0	4.017	0.061	40	10	6	25
PL.64735	PL.64736	C	#4 ACSR	7.25Y	120.9	0.03	4.14	22.56	17	159	40	97	0.04	0.0	4.050	0.033	15	4	1	19
PL.53570	PL.64735	C	#4 ACSR	7.25Y	120.9	0.00	4.14	1.61	1	11	3	96	0.00	0.0	4.082	0.032	0	0	0	3
PL.53571	PL.53570	C	#4 ACSR	7.25Y	120.9	0.00	4.14	1.61	1	11	3	96	0.00	0.0	4.137	0.055	1	0	2	3
PL.53030	PL.53571	C	#4 ACSR	7.25Y	120.9	0.00	4.14	1.45	1	10	3	96	0.00	0.0	4.178	0.040	10	3	1	1
PL.53546	PL.64735	C	#4 ACSR	7.25Y	120.8	0.03	4.17	18.86	15	133	33	97	0.03	0.0	4.096	0.045	41	10	5	15
PL.53545	PL.53546	C	#4 ACSR	7.25Y	120.8	0.00	4.17	2.02	2	14	4	96	0.00	0.0	4.111	0.016	14	4	1	1
PL.53930	PL.53546	C	#4 ACSR	7.25Y	120.8	0.02	4.19	11.02	8	78	19	97	0.01	0.0	4.157	0.061	25	6	3	9
PL.53931	PL.53930	C	#4 ACSR	7.25Y	120.8	0.00	4.19	1.80	1	13	3	97	0.00	0.0	4.199	0.043	13	3	2	2
PL.53929	PL.53930	C	#4 ACSR	7.25Y	120.8	0.00	4.20	5.67	4	40	10	97	0.00	0.0	4.185	0.028	24	6	2	4
PL.56738	PL.53929	C	#4 ACSR	7.25Y	120.8	0.01	4.20	2.23	2	16	4	97	0.00	0.0	4.265	0.080	9	2	1	2
PL.56737	PL.56738	C	#4 ACSR	7.25Y	120.8	0.00	4.21	1.00	1	7	2	96	0.00	0.0	4.317	0.052	7	2	1	1
PL.53033	PL.53031	C	#4 ACSR	7.26Y	121.0	0.00	4.04	4.53	3	32	8	97	0.00	0.0	3.976	0.021	0	0	0	2
PL.53032	PL.53033	C	#4 ACSR	7.26Y	121.0	0.00	4.04	4.53	3	32	8	97	0.00	0.0	4.007	0.030	19	5	1	2
PL.53029	PL.53032	C	#4 ACSR	7.26Y	121.0	0.00	4.05	1.77	1	12	3	97	0.00	0.0	4.059	0.052	12	3	1	1
PL.47043	PL.47039	ABC	336 MCM AC	7.27Y	121.2	0.05	3.84	216.35	42	4518	1367	96	1.28	0.0	3.839	0.033	24	6	2	465
PL.46045	PL.47043	ABC	336 MCM AC	7.26Y	121.1	0.10	3.94	215.22	41	4493	1358	96	2.37	0.1	3.900	0.061	0	0	0	463
PL.46046	PL.46045	ABC	336 MCM AC	7.26Y	121.0	0.09	4.03	214.84	41	4482	1350	96	2.15	0.0	3.956	0.055	0	0	0	458
PL.58141	PL.46046	A	#2 ACSR	7.26Y	121.0	0.00	4.03	2.69	2	19	5	97	0.00	0.0	3.958	0.003	0	0	0	2

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.8457	PL.58141	A	25T	7.26Y	121.0	0.00	4.03	2.69	0	19	5	97	0.00	0.0	3.958	0.003	0	0	0	2
PL.58142	PD.8457	A	#2 ACSR	7.26Y	121.0	0.00	4.04	2.69	2	19	5	97	0.00	0.0	3.982	0.024	19	5	2	2
PL.58145	PL.46046	ABC	336 MCM AC	7.25Y	120.9	0.11	4.14	212.67	41	4435	1334	96	2.59	0.1	4.024	0.068	4	1	1	453
PL.57648	PL.58145	C	6 A (CWC)	7.25Y	120.9	0.00	4.14	3.43	2	24	6	97	0.00	0.0	4.026	0.003	0	0	0	2
PD.8459	PL.57648	C	25T	7.25Y	120.9	0.00	4.14	3.43	0	24	6	97	0.00	0.0	4.026	0.003	0	0	0	2
PL.57649	PD.8459	C	6 A (CWC)	7.25Y	120.9	0.01	4.15	3.43	2	24	6	97	0.00	0.0	4.094	0.068	24	6	2	2
PL.57650	PL.58145	ABC	336 MCM AC	7.24Y	120.7	0.11	4.25	211.35	41	4404	1321	96	2.55	0.1	4.091	0.068	0	0	0	450
PD.8460-A	PL.57650	ABC	Closed	7.24Y	120.7	0.00	4.25	211.35	0	4401	1315	96	0.00	0.0	4.091	0.068	0	0	0	450
PD.8460-B	PD.8460-A	ABC	Closed	7.24Y	120.7	0.00	4.25	211.35	0	4401	1315	96	0.00	0.0	4.091	0.068	0	0	0	450
PL.57651	PD.8460-B	ABC	336 MCM AC	7.24Y	120.6	0.10	4.35	211.35	41	4401	1315	96	2.34	0.1	4.154	0.062	0	0	0	450
PL.53733	PL.57651	A	1/0 AL URD	7.24Y	120.6	0.01	4.37	5.45	3	38	10	97	0.00	0.0	4.261	0.108	17	4	1	2
PL.53637	PL.53733	A	1/0 AL URD	7.24Y	120.6	0.00	4.37	3.03	2	21	5	97	0.00	0.0	4.314	0.052	21	5	1	1
PL.57652	PL.57651	C	#4 ACSR	7.24Y	120.6	0.00	4.35	0.00	0	0	0	100	0.00	0.0	4.156	0.002	0	0	0	0
PD.8461	PL.57652	C	25T	7.24Y	120.6	0.00	4.35	0.00	0	0	0	100	0.00	0.0	4.156	0.002	0	0	0	0
PL.57653	PD.8461	C	#4 ACSR	7.24Y	120.6	0.00	4.35	0.00	0	0	0	100	0.00	0.0	4.210	0.054	0	0	0	0
PL.53732	PL.57651	ABC	336 MCM AC	7.23Y	120.6	0.09	4.45	209.54	40	4361	1300	96	2.19	0.1	4.213	0.059	0	0	0	448
PL.57654	PL.53732	A	#2 ACSR	7.23Y	120.6	0.00	4.45	1.73	1	12	3	97	0.00	0.0	4.215	0.003	0	0	0	1
PD.8462	PL.57654	A	25T	7.23Y	120.6	0.00	4.45	1.73	0	12	3	97	0.00	0.0	4.215	0.003	0	0	0	1
PL.57655	PD.8462	A	#2 ACSR	7.23Y	120.6	0.00	4.45	1.73	1	12	3	97	0.00	0.0	4.253	0.038	12	3	1	1
PL.45138	PL.53732	ABC	336 MCM AC	7.23Y	120.5	0.06	4.50	208.96	40	4347	1291	96	1.32	0.0	4.249	0.036	0	0	0	447
PL.64877	PL.45138	ABC	336 MCM AC	7.22Y	120.4	0.11	4.61	208.96	40	4345	1288	96	2.46	0.1	4.316	0.067	0	0	0	447
PL.64878	PL.64877	ABC	336 MCM AC	7.22Y	120.4	0.02	4.63	208.96	40	4343	1283	96	0.43	0.0	4.327	0.012	0	0	0	447
PL.60348	PL.64878	C	6 A (CWC)	7.22Y	120.4	0.00	4.63	3.97	3	28	7	97	0.00	0.0	4.329	0.002	0	0	0	3
PD.8464	PL.60348	C	50T	7.22Y	120.4	0.00	4.63	3.97	0	28	7	97	0.00	0.0	4.329	0.002	0	0	0	3
PL.58149	PD.8464	C	6 A (CWC)	7.22Y	120.4	0.01	4.64	3.97	3	28	7	97	0.00	0.0	4.377	0.047	0	0	0	3
PL.58148	PL.58149	C	6 A (CWC)	7.22Y	120.4	0.01	4.64	2.24	2	16	4	97	0.00	0.0	4.497	0.120	16	4	1	1
PL.58147	PL.58149	C	#4 ACSR	7.22Y	120.4	0.00	4.64	1.73	1	12	3	97	0.00	0.0	4.475	0.099	12	3	2	2
PL.60281	PL.64878	ABC	336 MCM AC	7.22Y	120.3	0.05	4.68	207.64	40	4315	1275	96	1.25	0.0	4.362	0.035	0	0	0	444
PL.46044	PL.60281	ABC	336 MCM AC	7.22Y	120.3	0.01	4.69	207.64	40	4313	1272	96	0.19	0.0	4.367	0.005	0	0	0	444
PL.57634	PL.46044	ABC	#2 ACSR	7.22Y	120.3	0.02	4.71	9.82	6	193	90	91	0.03	0.0	4.441	0.073	0	0	0	2
PL.62972	PL.57634	B	#1/0 ACSR	7.22Y	120.3	0.00	4.71	2.09	1	15	4	97	0.00	0.0	4.443	0.002	0	0	0	1

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.9402	PL.62972	B	20QA	7.22Y	120.3	0.00	4.71	2.09	10	15	4	97	0.00	0.0	4.443	0.002	0	0	0	1
PL.62971	PD.9402	B	#1/0 ACSR	7.22Y	120.3	0.00	4.71	2.09	1	15	4	97	0.00	0.0	4.479	0.036	15	4	1	1
PL.57635	PL.57634	ABC	#2 ACSR	7.22Y	120.3	0.02	4.73	9.13	5	178	86	90	0.03	0.0	4.517	0.076	0	0	0	1
PL.58150	PL.57635	ABC	1/0 AL URD	7.22Y	120.3	0.00	4.73	9.13	5	178	86	90	0.00	0.0	4.520	0.003	0	0	0	1
PD.8465	PL.58150	ABC	20	7.22Y	120.3	0.00	4.73	9.13	15	178	86	90	0.00	0.0	4.520	0.003	0	0	0	1
PL.58151	PD.8465	ABC	1/0 AL URD	7.22Y	120.3	0.01	4.74	9.13	5	178	86	90	0.01	0.0	4.659	0.139	178	86	1	1
PL.46828	PL.46044	ABC	336 MCM AC	7.21Y	120.2	0.07	4.76	197.94	38	4120	1181	96	1.59	0.0	4.415	0.048	12	3	1	442
PL.60364	PL.46828	ABC	336 MCM AC	7.21Y	120.2	0.07	4.83	197.39	38	4107	1175	96	1.52	0.0	4.462	0.046	0	0	0	441
PL.60365	PL.60364	ABC	336 MCM AC	7.21Y	120.2	0.01	4.84	197.39	38	4106	1171	96	0.11	0.0	4.465	0.003	0	0	0	441
PD.8466	PL.60365	ABC	560VWE	7.21Y	120.2	0.00	4.84	197.39	0	4106	1171	96	0.00	0.0	4.465	0.003	0	0	0	441
PL.58152	PD.8466	ABC	336 MCM AC	7.21Y	120.1	0.06	4.89	197.39	38	4106	1171	96	1.29	0.0	4.504	0.039	0	0	0	441
PL.47121	PL.58152	ABC	336 MCM AC	7.20Y	120.0	0.14	5.03	192.78	37	4008	1144	96	3.01	0.1	4.600	0.096	0	0	0	432
PL.58155	PL.47121	C	#4 ACSR	7.20Y	120.0	0.00	5.03	3.23	2	23	6	97	0.00	0.0	4.603	0.003	0	0	0	3
PD.8468	PL.58155	C	50T	7.20Y	120.0	0.00	5.03	3.23	0	23	6	97	0.00	0.0	4.603	0.003	0	0	0	3
PL.58156	PD.8468	C	#4 ACSR	7.20Y	120.0	0.01	5.04	3.23	2	23	6	97	0.00	0.0	4.664	0.061	3	1	1	3
PL.58153	PL.58156	C	#1/0 ACSR	7.20Y	120.0	0.01	5.05	2.75	1	19	5	97	0.00	0.0	4.779	0.115	11	3	1	2
PL.60576	PL.58153	C	#1/0 ACSR	7.20Y	120.0	0.00	5.05	1.16	1	8	2	97	0.00	0.0	4.896	0.117	8	2	1	1
PL.46787	PL.47121	ABC	336 MCM AC	7.19Y	119.9	0.08	5.12	190.51	37	3957	1125	96	1.76	0.0	4.658	0.058	0	0	0	426
PL.46788	PL.46787	ABC	336 MCM AC	7.19Y	119.8	0.10	5.21	190.51	37	3955	1120	96	2.07	0.1	4.726	0.068	19	5	5	426
PL.58158	PL.46788	A	#4 ACSR	7.19Y	119.8	0.00	5.21	2.70	2	19	5	97	0.00	0.0	4.728	0.002	0	0	0	3
PD.8469	PL.58158	A	50T	7.19Y	119.8	0.00	5.21	2.70	0	19	5	97	0.00	0.0	4.728	0.002	0	0	0	3
PL.58159	PD.8469	A	#4 ACSR	7.19Y	119.8	0.00	5.21	2.70	2	19	5	97	0.00	0.0	4.742	0.013	1	0	1	3
PL.58157	PL.58159	A	#4 ACSR	7.19Y	119.8	0.00	5.22	2.60	2	18	5	96	0.00	0.0	4.775	0.034	11	3	1	2
PL.47122	PL.58157	A	#4 ACSR	7.19Y	119.8	0.00	5.22	1.08	1	8	2	97	0.00	0.0	4.799	0.024	8	2	1	1
PL.58160	PL.46788	C	6 A (CWC)	7.19Y	119.8	0.00	5.21	13.09	9	91	23	97	0.00	0.0	4.728	0.002	0	0	0	14
PD.8470	PL.58160	C	50T	7.19Y	119.8	0.00	5.21	13.09	0	91	23	97	0.00	0.0	4.728	0.002	0	0	0	14
PL.58161	PD.8470	C	6 A (CWC)	7.19Y	119.8	0.03	5.25	13.09	9	91	23	97	0.02	0.0	4.787	0.059	13	3	2	14
PL.61067	PL.58161	C	6 A (CWC)	7.18Y	119.7	0.04	5.29	11.17	8	78	20	97	0.02	0.0	4.867	0.080	0	0	0	12
PL.61068	PL.61067	C	#2 ACSR	7.18Y	119.7	0.00	5.29	0.48	0	3	1	95	0.00	0.0	4.916	0.049	3	1	1	1
PL.61069	PL.61067	C	6 A (CWC)	7.18Y	119.7	0.03	5.31	8.06	6	56	14	97	0.01	0.0	4.940	0.072	0	0	0	8
PL.64411	PL.61069	C	#4 ACSR	7.18Y	119.7	0.00	5.32	2.29	2	16	4	97	0.00	0.0	4.979	0.040	0	0	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: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.64412	PL.64411	C	#4 ACSR	7.18Y	119.7	0.00	5.32	2.26	2	16	4	97	0.00	0.0	4.996	0.016	0	0	0	2
PL.64343	PL.64412	C	#4 ACSR	7.18Y	119.7	0.00	5.32	2.26	2	16	4	97	0.00	0.0	4.996	0.000	0	0	0	2
PL.64344	PL.64343	C	#4 ACSR	7.18Y	119.7	0.00	5.32	2.26	2	16	4	97	0.00	0.0	5.021	0.026	7	2	1	2
PL.53554	PL.64344	C	#4 ACSR	7.18Y	119.7	0.00	5.32	1.27	1	9	2	98	0.00	0.0	5.048	0.026	9	2	1	1
PL.61070	PL.61069	C	6 A (CWC)	7.18Y	119.7	0.00	5.31	4.04	3	28	7	97	0.00	0.0	4.943	0.003	0	0	0	4
PD.9075	PL.61070	C	40T	7.18Y	119.7	0.00	5.31	4.04	0	28	7	97	0.00	0.0	4.943	0.003	0	0	0	4
PL.61071	PD.9075	C	6 A (CWC)	7.18Y	119.7	0.03	5.34	4.04	3	28	7	97	0.01	0.0	5.083	0.140	0	0	0	4
PL.53934	PL.61071	C	6 A (CWC)	7.18Y	119.7	0.01	5.35	0.91	1	6	2	95	0.00	0.0	5.569	0.486	6	2	1	1
PL.53935	PL.53934	C	6 A (CWC)	7.18Y	119.7	0.00	5.35	0.00	0	0	0	100	0.00	0.0	5.691	0.122	0	0	0	0
PL.53555	PL.61071	C	#4 ACSR	7.18Y	119.7	0.01	5.35	3.12	2	22	5	98	0.00	0.0	5.171	0.088	9	2	1	3
PL.53556	PL.53555	C	#4 ACSR	7.18Y	119.6	0.00	5.35	1.87	1	13	3	97	0.00	0.0	5.235	0.064	13	3	2	2
PL.61072	PL.61069	C	#4 ACSR	7.18Y	119.7	0.00	5.31	1.74	1	12	3	97	0.00	0.0	4.943	0.003	0	0	0	1
PD.9076	PL.61072	C	40T	7.18Y	119.7	0.00	5.31	1.74	0	12	3	97	0.00	0.0	4.943	0.003	0	0	0	1
PL.61073	PD.9076	C	#4 ACSR	7.18Y	119.7	0.00	5.32	1.74	1	12	3	97	0.00	0.0	4.986	0.043	12	3	1	1
PL.61065	PL.61067	C	#2 ACSR	7.18Y	119.7	0.00	5.29	2.59	1	18	5	96	0.00	0.0	4.898	0.031	18	5	2	2
PL.61066	PL.61067	C	#4 ACSR	7.18Y	119.7	0.00	5.29	0.03	0	0	0	100	0.00	0.0	4.918	0.051	0	0	1	1
PL.62264	PL.46788	ABC	336 MCM AC	7.18Y	119.7	0.11	5.33	184.36	36	3825	1083	96	2.36	0.1	4.809	0.083	0	0	0	404
PL.62263	PL.62264	B	#1/0 ACSR	7.18Y	119.6	0.03	5.36	53.69	23	374	95	97	0.09	0.0	4.837	0.028	0	0	0	45
PD.9050	PL.62263	B	100L	7.18Y	119.6	0.00	5.36	53.69	54	374	95	97	0.00	0.0	4.837	0.028	0	0	0	45
PL.59994	PD.9050	B	6 A (CWC)	7.18Y	119.6	0.00	5.36	3.20	2	22	6	96	0.00	0.0	4.842	0.006	22	6	1	1
PL.59995	PD.9050	B	6 A (CWC)	7.16Y	119.4	0.24	5.60	50.49	36	351	89	97	0.65	0.2	4.942	0.105	0	0	0	44
PD.9051-A	PL.59995	B	Closed	7.16Y	119.4	0.00	5.60	50.49	0	351	89	97	0.00	0.0	4.942	0.105	0	0	0	44
PD.9051-B	PD.9051-A	B	Closed	7.16Y	119.4	0.00	5.60	50.49	0	351	89	97	0.00	0.0	4.942	0.105	0	0	0	44
PL.59993	PD.9051-B	B	6 A (CWC)	7.16Y	119.4	0.01	5.61	50.49	36	351	89	97	0.02	0.0	4.945	0.003	0	0	0	44
PL.60357	PL.59993	B	6 A (CWC)	7.14Y	118.9	0.45	6.06	46.06	33	320	81	97	1.10	0.3	5.158	0.214	0	0	0	39
REG34	PL.60357	B	76.2 KVA	7.51Y	125.2	-6.26	-0.20	46.06	46	319	81	97	percent Boost= 0.00			Tap= 0.0				39
PL.60356	REG34	B	#4 ACSR	7.51Y	125.2	0.00	-0.20	0.00	0	0	0	100	0.00	0.0	5.208	0.049	0	0	0	0
PL.60360	REG34	B	6 A (CWC)	7.50Y	125.0	0.25	0.04	43.76	31	319	81	97	0.58	0.2	5.284	0.126	3	1	1	39
PL.60358	PL.60360	B	6 A (CWC)	7.50Y	124.9	0.02	0.06	12.85	9	93	24	97	0.01	0.0	5.325	0.041	33	8	2	10
PL.58223	PL.60358	B	6 A (CWC)	7.50Y	124.9	0.00	0.07	8.30	6	60	15	97	0.00	0.0	5.328	0.003	0	0	0	8
PD.8473	PL.58223	B	30T	7.50Y	124.9	0.00	0.07	8.30	0	60	15	97	0.00	0.0	5.328	0.003	0	0	0	8

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.58224	PD.8473	B	6 A (CWC)	7.49Y	124.9	0.02	0.09	8.30	6	60	15	97	0.01	0.0	5.384	0.055	4	1	1	8
PL.53550	PL.58224	B	6 A (CWC)	7.49Y	124.9	0.00	0.09	2.62	2	19	5	97	0.00	0.0	5.419	0.035	7	2	1	2
PL.53551	PL.53550	B	1/0 AL URD	7.49Y	124.9	0.00	0.09	1.64	1	12	3	97	0.00	0.0	5.494	0.076	12	3	1	1
PL.44967	PL.58224	B	#2 ACSR	7.49Y	124.9	0.00	0.09	2.09	1	15	4	97	0.00	0.0	5.441	0.057	7	2	1	2
PL.53569	PL.44967	B	#1/0 ACSR	7.49Y	124.9	0.00	0.09	1.07	0	8	2	97	0.00	0.0	5.486	0.045	8	2	1	1
PL.53549	PL.58224	B	#4 ACSR	7.49Y	124.9	0.01	0.09	3.04	2	22	6	96	0.00	0.0	5.498	0.114	21	5	1	3
PL.53548	PL.53549	B	#4 ACSR	7.49Y	124.9	0.00	0.09	0.21	0	2	0	100	0.00	0.0	5.530	0.032	2	0	2	2
PL.53547	PL.53548	B	#4 ACSR	7.49Y	124.9	0.00	0.09	0.00	0	0	0	100	0.00	0.0	5.569	0.039	0	0	0	0
PL.60359	PL.60360	B	6 A (CWC)	7.49Y	124.8	0.13	0.17	30.50	22	222	56	97	0.20	0.1	5.380	0.096	20	5	2	28
PL.44968	PL.60359	B	#4 ACSR	7.49Y	124.8	0.00	0.17	0.79	1	6	1	99	0.00	0.0	5.422	0.041	6	1	1	1
PL.53742	PL.60359	B	6 A (CWC)	7.48Y	124.7	0.11	0.28	26.97	19	196	49	97	0.15	0.1	5.475	0.095	21	5	4	25
PL.57594	PL.53742	B	#4 ACSR	7.48Y	124.7	0.00	0.28	1.96	2	14	4	96	0.00	0.0	5.523	0.048	8	2	1	2
PL.57595	PL.57594	B	#4 ACSR	7.48Y	124.7	0.00	0.29	0.84	1	6	2	95	0.00	0.0	5.577	0.054	6	2	1	1
PL.60361	PL.53742	B	6 A (CWC)	7.48Y	124.7	0.04	0.32	22.06	16	160	40	97	0.05	0.0	5.515	0.040	0	0	0	19
PL.60362	PL.60361	B	#1/0 ACSR	7.48Y	124.7	0.00	0.32	1.68	1	12	3	97	0.00	0.0	5.518	0.003	0	0	0	3
PD.8474	PL.60362	B	30T	7.48Y	124.7	0.00	0.32	1.68	0	12	3	97	0.00	0.0	5.518	0.003	0	0	0	3
PL.58225	PD.8474	B	#1/0 ACSR	7.48Y	124.7	0.00	0.32	1.68	1	12	3	97	0.00	0.0	5.585	0.067	12	3	3	3
PL.60363	PL.60361	B	6 A (CWC)	7.48Y	124.7	0.00	0.33	20.38	15	148	37	97	0.00	0.0	5.518	0.003	0	0	0	16
PD.8491	PL.60363	B	30T	7.48Y	124.7	0.00	0.33	20.38	0	148	37	97	0.00	0.0	5.518	0.003	0	0	0	16
PL.58226	PD.8491	B	6 A (CWC)	7.48Y	124.6	0.04	0.37	20.38	15	148	37	97	0.05	0.0	5.568	0.050	10	2	1	16
PL.53740	PL.58226	B	6 A (CWC)	7.47Y	124.6	0.06	0.43	15.14	11	110	28	97	0.05	0.0	5.670	0.102	20	5	3	12
PL.47032	PL.53740	B	#4 ACSR	7.47Y	124.6	0.00	0.43	1.65	1	12	3	97	0.00	0.0	5.707	0.037	12	3	1	1
PL.53932	PL.53740	B	6 A (CWC)	7.47Y	124.5	0.03	0.46	5.69	4	41	10	97	0.01	0.0	5.774	0.104	4	1	1	4
PL.53933	PL.53932	B	6 A (CWC)	7.47Y	124.5	0.01	0.47	5.07	4	37	9	97	0.00	0.0	5.837	0.063	0	0	0	3
PL.45107	PL.53933	B	#4 ACSR	7.47Y	124.5	0.00	0.47	1.85	1	13	3	97	0.00	0.0	5.871	0.034	13	3	1	1
PL.46522	PL.53933	B	6 A (CWC)	7.47Y	124.5	0.00	0.47	0.00	0	0	0	100	0.00	0.0	5.840	0.003	0	0	0	0
PD.7307-B	PL.46522	B	Open	7.47Y	124.5	0.00	0.47	0.00	0	0	0	100	0.00	0.0	5.840	0.003	0	0	0	0
PL.46526	PL.53933	B	#4 ACSR	7.47Y	124.5	0.01	0.48	3.23	2	23	6	97	0.00	0.0	5.946	0.109	23	6	2	2
PL.53736	PL.53740	B	#4 ACSR	7.47Y	124.6	0.00	0.44	5.09	4	37	9	97	0.00	0.0	5.695	0.025	17	4	2	4
PL.53781	PL.53736	B	#4 ACSR	7.47Y	124.6	0.00	0.44	1.72	1	12	3	97	0.00	0.0	5.805	0.111	12	3	1	1
PL.53737	PL.53736	B	#4 ACSR	7.47Y	124.6	0.00	0.44	0.98	1	7	2	96	0.00	0.0	5.741	0.046	7	2	1	1

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.53741	PL.58226	B	#4 ACSR	7.48Y	124.6	0.01	0.38	3.92	3	28	7	97	0.00	0.0	5.630	0.062	16	4	2	3
PL.53738	PL.53741	B	#4 ACSR	7.48Y	124.6	0.00	0.38	1.68	1	12	3	97	0.00	0.0	5.652	0.022	0	0	0	1
PL.53739	PL.53738	B	#4 ACSR	7.48Y	124.6	0.00	0.38	1.68	1	12	3	97	0.00	0.0	5.667	0.014	12	3	1	1
PL.58163	PL.59993	B	#4 ACSR	7.16Y	119.4	0.00	5.61	4.43	3	31	8	97	0.00	0.0	4.949	0.004	0	0	0	5
PD.8472	PL.58163	B	30T	7.16Y	119.4	0.00	5.61	4.43	0	31	8	97	0.00	0.0	4.949	0.004	0	0	0	5
PL.58164	PD.8472	B	#4 ACSR	7.16Y	119.4	0.01	5.62	4.43	3	31	8	97	0.00	0.0	4.988	0.039	8	2	2	5
PL.46346	PL.58164	B	#4 ACSR	7.16Y	119.4	0.01	5.62	3.28	3	23	6	97	0.00	0.0	5.075	0.087	16	4	2	3
PL.46347	PL.46346	B	#4 ACSR	7.16Y	119.4	0.00	5.63	0.96	1	7	2	96	0.00	0.0	5.140	0.065	7	2	1	1
PL.62262	PL.62264	C	6 A (CWC)	7.18Y	119.7	0.00	5.33	0.00	0	0	0	100	0.00	0.0	4.811	0.003	0	0	0	1
PD.8471	PL.62262	C	40T	7.18Y	119.7	0.00	5.33	0.00	0	0	0	100	0.00	0.0	4.811	0.003	0	0	0	1
PL.58162	PD.8471	C	6 A (CWC)	7.18Y	119.7	0.00	5.33	0.00	0	0	0	100	0.00	0.0	4.948	0.137	0	0	1	1
PL.62261	PL.62264	ABC	336 MCM AC	7.17Y	119.6	0.09	5.42	166.47	32	3449	983	96	1.72	0.0	4.883	0.074	15	4	2	358
PL.53936	PL.62261	ABC	336 MCM AC	7.17Y	119.5	0.07	5.48	165.74	32	3432	975	96	1.22	0.0	4.935	0.053	0	0	0	356
PL.58227	PL.53936	C	#4 ACSR	7.17Y	119.5	0.00	5.48	1.86	1	13	3	97	0.00	0.0	4.938	0.003	0	0	0	1
PD.8492	PL.58227	C	20T	7.17Y	119.5	0.00	5.48	1.86	0	13	3	97	0.00	0.0	4.938	0.003	0	0	0	1
PL.58228	PD.8492	C	#4 ACSR	7.17Y	119.5	0.00	5.49	1.86	1	13	3	97	0.00	0.0	4.990	0.052	13	3	1	1
PL.60449	PL.53936	ABC	336 MCM AC	7.17Y	119.5	0.02	5.51	164.95	32	3414	968	96	0.45	0.0	4.955	0.020	31	8	4	354
PL.64585	PL.60449	ABC	336 MCM AC	7.17Y	119.4	0.06	5.56	163.49	32	3383	959	96	1.03	0.0	5.001	0.046	13	3	1	350
PL.64586	PL.64585	ABC	#1/0 ACSR	7.17Y	119.4	0.00	5.56	162.86	71	3369	953	96	0.00	0.0	5.001	0.000	0	0	2	349
PL.60453	PL.64586	ABC	336 MCM AC	7.16Y	119.4	0.05	5.61	162.86	31	3369	953	96	0.85	0.0	5.039	0.038	14	3	3	347
PL.60451	PL.60453	C	#4 ACSR	7.16Y	119.4	0.00	5.61	2.15	2	15	4	97	0.00	0.0	5.042	0.003	0	0	0	2
PD.8494	PL.60451	C	65T	7.16Y	119.4	0.00	5.61	2.15	0	15	4	97	0.00	0.0	5.042	0.003	0	0	0	2
PL.58234	PD.8494	C	#4 ACSR	7.16Y	119.4	0.01	5.62	2.15	2	15	4	97	0.00	0.0	5.117	0.074	0	0	0	2
PL.58233	PL.58234	C	#4 ACSR	7.16Y	119.4	0.00	5.62	1.07	1	7	2	96	0.00	0.0	5.236	0.119	7	2	1	1
PL.58232	PL.58234	C	#1/0 ACSR	7.16Y	119.4	0.00	5.62	1.08	0	8	2	97	0.00	0.0	5.265	0.148	8	2	1	1
PL.60452	PL.60453	A	#4 ACSR	7.16Y	119.4	0.00	5.61	3.55	3	25	6	97	0.00	0.0	5.042	0.003	0	0	0	2
PD.8495	PL.60452	A	65T	7.16Y	119.4	0.00	5.61	3.55	0	25	6	97	0.00	0.0	5.042	0.003	0	0	0	2
PL.58235	PD.8495	A	#4 ACSR	7.16Y	119.4	0.00	5.61	3.55	3	25	6	97	0.00	0.0	5.066	0.024	12	3	1	2
PL.58231	PL.58235	A	#4 ACSR	7.16Y	119.4	0.00	5.62	1.88	1	13	3	97	0.00	0.0	5.092	0.026	0	0	0	1
PL.53553	PL.58231	A	#4 ACSR	7.16Y	119.4	0.00	5.62	0.00	0	0	0	100	0.00	0.0	5.136	0.045	0	0	0	0
PL.53552	PL.58231	A	#4 ACSR	7.16Y	119.4	0.00	5.62	1.88	1	13	3	97	0.00	0.0	5.135	0.044	13	3	1	1

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.60450	PL.60453	ABC	336 MCM AC	7.16Y	119.3	0.11	5.72	160.30	31	3315	938	96	2.04	0.1	5.135	0.095	49	12	6	340
PL.60279	PL.60450	C	#1/0 ACSR	7.16Y	119.3	0.00	5.72	11.41	5	79	20	97	0.00	0.0	5.138	0.003	0	0	0	1
PD.8496	PL.60279	C	20T	7.16Y	119.3	0.00	5.72	11.41	0	79	20	97	0.00	0.0	5.138	0.003	0	0	0	1
PL.58236	PD.8496	C	#1/0 ACSR	7.16Y	119.3	0.01	5.73	11.41	5	79	20	97	0.00	0.0	5.192	0.054	79	20	1	1
PL.60278	PL.60450	ABC	336 MCM AC	7.15Y	119.2	0.10	5.83	154.17	30	3185	901	96	1.81	0.1	5.225	0.090	0	0	0	333
PL.47123	PL.60278	ABC	#1/0 ACSR	7.15Y	119.2	0.02	5.84	51.12	22	1062	271	97	0.13	0.0	5.243	0.018	0	0	0	139
PL.58238	PL.47123	B	#2 ACSR	7.15Y	119.2	0.00	5.84	2.69	2	19	5	97	0.00	0.0	5.246	0.002	0	0	0	2
PD.8497	PL.58238	B	30T	7.15Y	119.2	0.00	5.84	2.69	0	19	5	97	0.00	0.0	5.246	0.002	0	0	0	2
PL.58239	PD.8497	B	#2 ACSR	7.15Y	119.2	0.00	5.85	2.69	2	19	5	97	0.00	0.0	5.261	0.015	7	2	1	2
PL.58237	PL.58239	B	#2 ACSR	7.15Y	119.2	0.00	5.85	1.68	1	12	3	97	0.00	0.0	5.292	0.032	12	3	1	1
PL.47124	PL.47123	ABC	#1/0 ACSR	7.15Y	119.1	0.01	5.85	50.22	22	1044	267	97	0.05	0.0	5.251	0.008	0	0	0	137
PL.58241	PL.47124	ABC	#1/0 ACSR	7.15Y	119.1	0.00	5.85	50.22	22	1044	266	97	0.02	0.0	5.254	0.003	0	0	0	137
PD.8498	PL.58241	ABC	100L	7.15Y	119.1	0.00	5.85	50.22	50	1044	266	97	0.00	0.0	5.254	0.003	0	0	0	137
PL.58242	PD.8498	ABC	#1/0 ACSR	7.14Y	119.1	0.06	5.92	50.22	22	1044	266	97	0.48	0.0	5.325	0.071	0	0	0	137
PL.58243	PL.58242	C	#2 ACSR	7.14Y	119.1	0.00	5.92	1.44	1	10	3	96	0.00	0.0	5.327	0.002	0	0	0	2
PD.8499	PL.58243	C	30T	7.14Y	119.1	0.00	5.92	1.44	0	10	3	96	0.00	0.0	5.327	0.002	0	0	0	2
PL.58244	PD.8499	C	#2 ACSR	7.14Y	119.1	0.00	5.92	1.44	1	10	3	96	0.00	0.0	5.344	0.017	10	3	2	2
PL.58240	PL.58242	ABC	#1/0 ACSR	7.14Y	119.0	0.05	5.97	49.74	22	1033	264	97	0.40	0.0	5.387	0.062	16	4	1	135
PL.47125	PL.58240	ABC	#1/0 ACSR	7.14Y	119.0	0.01	5.99	48.95	21	1016	259	97	0.10	0.0	5.402	0.015	0	0	0	134
PL.47126	PL.47125	ABC	#1/0 ACSR	7.14Y	119.0	0.05	6.04	48.67	21	1010	257	97	0.39	0.0	5.464	0.061	0	0	0	133
PL.58250	PL.47126	ABC	#1/0 ACSR	7.13Y	118.9	0.08	6.12	47.04	20	976	249	97	0.55	0.1	5.557	0.094	0	0	0	132
PL.58252	PL.58250	B	#1/0 ACSR	7.13Y	118.9	0.00	6.12	2.37	1	16	4	97	0.00	0.0	5.558	0.000	0	0	0	2
PD.8514	PL.58252	B	30T	7.13Y	118.9	0.00	6.12	2.37	0	16	4	97	0.00	0.0	5.558	0.000	0	0	0	2
PL.58253	PD.8514	B	#1/0 ACSR	7.13Y	118.9	0.00	6.12	2.37	1	16	4	97	0.00	0.0	5.558	0.000	0	0	0	2
PL.58251	PL.58253	B	#1/0 ACSR	7.13Y	118.9	0.00	6.12	1.18	1	8	2	97	0.00	0.0	5.581	0.024	8	2	1	1
PL.58249	PL.58253	B	#2 ACSR	7.13Y	118.9	0.00	6.12	1.20	1	8	2	97	0.00	0.0	5.629	0.072	8	2	1	1
PL.58248	PL.58250	ABC	#1/0 ACSR	7.13Y	118.8	0.07	6.18	46.25	20	959	244	97	0.45	0.0	5.637	0.080	6	2	2	130
PL.58255	PL.58248	B	#4 ACSR	7.13Y	118.8	0.00	6.18	8.04	6	56	14	97	0.00	0.0	5.640	0.003	0	0	0	8
PD.8515	PL.58255	B	30T	7.13Y	118.8	0.00	6.18	8.04	0	56	14	97	0.00	0.0	5.640	0.003	0	0	0	8
PL.58256	PD.8515	B	#4 ACSR	7.13Y	118.8	0.01	6.19	8.04	6	56	14	97	0.00	0.0	5.668	0.027	19	5	2	8
PL.58254	PL.58256	B	#4 ACSR	7.13Y	118.8	0.01	6.20	5.31	4	37	9	97	0.00	0.0	5.722	0.054	7	2	2	6

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: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.47130	PL.58254	B	#4 ACSR	7.13Y	118.8	0.00	6.21	4.26	3	29	7	97	0.00	0.0	5.747	0.025	29	7	4	4
PL.47127	PL.58248	ABC	#1/0 ACSR	7.13Y	118.8	0.05	6.23	43.28	19	897	228	97	0.31	0.0	5.700	0.063	0	0	0	120
PL.47131	PL.47127	C	#4 ACSR	7.13Y	118.8	0.00	6.23	1.96	2	14	3	98	0.00	0.0	5.700	0.000	0	0	0	1
PD.7285	PL.47131	C	25T	7.13Y	118.8	0.00	6.23	1.96	0	14	3	98	0.00	0.0	5.700	0.000	0	0	0	1
PL.47132	PD.7285	C	#4 ACSR	7.13Y	118.8	0.00	6.24	1.96	2	14	3	98	0.00	0.0	5.755	0.055	0	0	0	1
PL.47133	PL.47132	C	#4 ACSR	7.13Y	118.8	0.00	6.24	1.96	2	14	3	98	0.00	0.0	5.783	0.028	14	3	1	1
PL.53957	PL.47127	ABC	#1/0 ACSR	7.12Y	118.7	0.07	6.30	41.45	18	859	218	97	0.41	0.0	5.790	0.090	2	0	1	115
PL.53955	PL.53957	ABC	#1/0 ACSR	7.12Y	118.7	0.04	6.34	40.88	18	847	215	97	0.25	0.0	5.848	0.058	27	7	2	113
PL.53220	PL.53955	ABC	#1/0 ACSR	7.12Y	118.6	0.04	6.38	39.59	17	820	208	97	0.22	0.0	5.900	0.052	0	0	0	111
PL.53222	PL.53220	C	#1/0 ACSR	7.12Y	118.6	0.00	6.38	2.01	1	14	3	98	0.00	0.0	5.902	0.003	0	0	0	1
PD.7924	PL.53222	C	30T	7.12Y	118.6	0.00	6.38	2.01	0	14	3	98	0.00	0.0	5.902	0.003	0	0	0	1
PL.53223	PD.7924	C	#1/0 ACSR	7.12Y	118.6	0.01	6.38	2.01	1	14	3	98	0.00	0.0	6.015	0.113	0	0	0	1
PL.53224	PL.53223	C	1/0 AL URD	7.12Y	118.6	0.00	6.38	2.01	1	14	3	98	0.00	0.0	6.043	0.028	14	3	1	1
PL.53221	PL.53220	ABC	#1/0 ACSR	7.12Y	118.6	0.02	6.40	38.92	17	806	204	97	0.14	0.0	5.935	0.036	0	0	0	110
PL.58259	PL.53221	A	6 A (CWC)	7.12Y	118.6	0.01	6.41	44.20	32	305	77	97	0.02	0.0	5.939	0.004	0	0	0	39
PD.8516	PL.58259	A	70L	7.12Y	118.6	0.00	6.41	44.20	63	305	77	97	0.00	0.0	5.939	0.004	0	0	0	39
PL.58260	PD.8516	A	6 A (CWC)	7.11Y	118.4	0.16	6.56	44.20	32	305	77	97	0.37	0.1	6.017	0.078	0	0	0	39
REG36	PL.58260	A	76.2 KVA	7.53Y	125.5	-7.06	-0.49	44.20	44	305	77	97	percent Boost= 5.62 Tap= 9.0							39
PL.58258	REG36	A	6 A (CWC)	7.52Y	125.4	0.09	-0.40	40.45	29	295	75	97	0.20	0.1	6.068	0.051	6	1	2	38
PL.58261	PL.58258	A	6 A (CWC)	7.52Y	125.4	0.00	-0.40	38.22	27	279	71	97	0.01	0.0	6.071	0.003	0	0	0	35
PD.8517-A	PL.58261	A	Closed	7.52Y	125.4	0.00	-0.40	38.22	0	279	71	97	0.00	0.0	6.071	0.003	0	0	0	35
PD.8517-B	PD.8517-A	A	Closed	7.52Y	125.4	0.00	-0.40	38.22	0	279	71	97	0.00	0.0	6.071	0.003	0	0	0	35
PL.58262	PD.8517-B	A	6 A (CWC)	7.52Y	125.3	0.11	-0.28	38.22	27	279	71	97	0.23	0.1	6.136	0.065	0	0	0	35
PL.46475	PL.58262	A	#2 ACSR	7.52Y	125.3	0.00	-0.28	4.17	2	30	8	97	0.00	0.0	6.167	0.031	30	8	2	2
PL.44970	PL.58262	A	6 A (CWC)	7.51Y	125.2	0.07	-0.21	34.05	24	248	63	97	0.13	0.1	6.182	0.046	0	0	0	33
PL.46864	PL.44970	A	6 A (CWC)	7.50Y	125.1	0.13	-0.08	33.40	24	243	61	97	0.24	0.1	6.270	0.088	0	0	0	32
PL.46865	PL.46864	A	6 A (CWC)	7.50Y	125.0	0.05	-0.03	33.40	24	243	61	97	0.09	0.0	6.302	0.032	3	1	1	32
PL.46866	PL.46865	A	6 A (CWC)	7.50Y	124.9	0.11	0.08	32.95	24	240	60	97	0.20	0.1	6.377	0.075	0	0	0	31
PL.58269	PL.46866	A	6 A (CWC)	7.49Y	124.9	0.00	0.08	19.42	14	141	36	97	0.00	0.0	6.379	0.002	0	0	0	16
PD.8521	PL.58269	A	25T	7.49Y	124.9	0.00	0.08	19.42	0	141	36	97	0.00	0.0	6.379	0.002	0	0	0	16
PL.58270	PD.8521	A	6 A (CWC)	7.49Y	124.8	0.09	0.18	19.42	14	141	36	97	0.10	0.1	6.486	0.107	0	0	0	16

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

Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.58275	PL.58270	A	6 A (CWC)	7.49Y	124.8	0.07	0.25	16.46	12	120	30	97	0.06	0.1	6.581	0.095	0	0	0	14
PD.8524-A	PL.58275	A	Closed	7.49Y	124.8	0.00	0.25	16.46	0	119	30	97	0.00	0.0	6.581	0.095	0	0	0	14
PD.8524-B	PD.8524-A	A	Closed	7.49Y	124.8	0.00	0.25	16.46	0	119	30	97	0.00	0.0	6.581	0.095	0	0	0	14
PL.58276	PD.8524-B	A	6 A (CWC)	7.48Y	124.7	0.03	0.28	16.46	12	119	30	97	0.02	0.0	6.619	0.038	11	3	1	14
PL.46868	PL.58276	A	6 A (CWC)	7.48Y	124.7	0.04	0.32	14.98	11	109	27	97	0.03	0.0	6.681	0.062	12	3	1	13
PL.46872	PL.46868	A	6 A (CWC)	7.48Y	124.6	0.07	0.39	10.08	7	73	18	97	0.04	0.0	6.841	0.160	10	2	1	9
PL.58277	PL.46872	A	6 A (CWC)	7.48Y	124.6	0.00	0.39	8.74	6	63	16	97	0.00	0.0	6.844	0.003	0	0	0	8
PD.8525	PL.58277	A	12T	7.48Y	124.6	0.00	0.39	8.74	0	63	16	97	0.00	0.0	6.844	0.003	0	0	0	8
PL.58278	PD.8525	A	6 A (CWC)	7.48Y	124.6	0.03	0.41	8.74	6	63	16	97	0.01	0.0	6.916	0.072	9	2	1	8
PL.53927	PL.58278	A	#4 ACSR	7.48Y	124.6	0.00	0.41	1.64	1	12	3	97	0.00	0.0	6.963	0.047	12	3	2	2
PL.53942	PL.58278	A	#4 ACSR	7.48Y	124.6	0.00	0.42	1.55	1	11	3	96	0.00	0.0	6.986	0.070	11	3	1	1
PL.53941	PL.58278	A	#4 ACSR	7.48Y	124.6	0.00	0.41	1.60	1	12	3	97	0.00	0.0	6.946	0.030	12	3	1	1
PL.64732	PL.58278	A	6 A (CWC)	7.47Y	124.6	0.00	0.42	2.76	2	20	5	97	0.00	0.0	6.979	0.063	20	5	3	3
PL.46869	PL.46868	A	#4 ACSR	7.48Y	124.7	0.01	0.33	3.31	3	24	6	97	0.00	0.0	6.766	0.084	14	4	1	3
PL.46870	PL.46869	A	#4 ACSR	7.48Y	124.7	0.00	0.33	1.34	1	10	2	98	0.00	0.0	6.823	0.057	10	2	2	2
PL.44971	PL.58270	A	#4 ACSR	7.49Y	124.8	0.00	0.18	0.99	1	7	2	96	0.00	0.0	6.543	0.057	7	2	1	1
PL.46680	PL.58270	A	#4 ACSR	7.49Y	124.8	0.00	0.18	1.98	2	14	4	96	0.00	0.0	6.525	0.039	14	4	1	1
PL.58267	PL.46866	A	6 A (CWC)	7.50Y	124.9	0.00	0.08	6.25	4	45	11	97	0.00	0.0	6.379	0.002	0	0	0	7
PD.8520	PL.58267	A	25T	7.50Y	124.9	0.00	0.08	6.25	0	45	11	97	0.00	0.0	6.379	0.002	0	0	0	7
PL.58268	PD.8520	A	6 A (CWC)	7.49Y	124.9	0.03	0.11	6.25	4	45	11	97	0.01	0.0	6.481	0.101	0	0	0	7
PL.46875	PL.58268	A	6 A (CWC)	7.49Y	124.9	0.01	0.12	3.15	2	23	6	97	0.00	0.0	6.589	0.108	7	2	1	5
PL.46876	PL.46875	A	6 A (CWC)	7.49Y	124.9	0.01	0.13	2.12	2	15	4	97	0.00	0.0	6.658	0.069	5	1	2	4
PL.46186	PL.46876	A	#4 ACSR	7.49Y	124.9	0.00	0.13	1.33	1	10	2	98	0.00	0.0	6.707	0.050	10	2	1	1
PL.46877	PL.46876	A	6 A (CWC)	7.49Y	124.9	0.00	0.13	0.05	0	0	0	100	0.00	0.0	6.722	0.064	0	0	1	1
PL.58273	PL.58268	A	#4 ACSR	7.49Y	124.9	0.00	0.11	3.09	2	22	6	96	0.00	0.0	6.483	0.002	0	0	0	2
PD.8523	PL.58273	A	12T	7.49Y	124.9	0.00	0.11	3.09	0	22	6	96	0.00	0.0	6.483	0.002	0	0	0	2
PL.58274	PD.8523	A	#4 ACSR	7.49Y	124.9	0.01	0.12	3.09	2	22	6	96	0.00	0.0	6.549	0.066	7	2	1	2
PL.46874	PL.58274	A	#4 ACSR	7.49Y	124.9	0.00	0.12	2.07	2	15	4	97	0.00	0.0	6.627	0.077	15	4	1	1
PL.46867	PL.46866	A	6 A (CWC)	7.49Y	124.9	0.02	0.10	7.28	5	53	13	97	0.01	0.0	6.427	0.050	6	1	1	8
PL.58271	PL.46867	A	6 A (CWC)	7.49Y	124.9	0.00	0.10	6.53	5	47	12	97	0.00	0.0	6.430	0.003	0	0	0	7
PD.8522	PL.58271	A	25T	7.49Y	124.9	0.00	0.10	6.53	0	47	12	97	0.00	0.0	6.430	0.003	0	0	0	7

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

Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.58272	PD.8522	A	6 A (CWC)	7.49Y	124.9	0.01	0.11	6.53	5	47	12	97	0.00	0.0	6.452	0.022	0	0	0	7
PL.60374	PL.58272	A	#4 ACSR	7.49Y	124.9	0.00	0.11	0.43	0	3	1	95	0.00	0.0	6.455	0.003	0	0	0	1
PD.8962	PL.60374	A	15T	7.49Y	124.9	0.00	0.11	0.43	0	3	1	95	0.00	0.0	6.455	0.003	0	0	0	1
PL.60375	PD.8962	A	#4 ACSR	7.49Y	124.9	0.00	0.11	0.43	0	3	1	95	0.00	0.0	6.604	0.149	3	1	1	1
PL.60376	PL.58272	A	6 A (CWC)	7.49Y	124.9	0.00	0.11	6.09	4	44	11	97	0.00	0.0	6.455	0.003	0	0	0	6
PD.8963	PL.60376	A	25T	7.49Y	124.9	0.00	0.11	6.09	0	44	11	97	0.00	0.0	6.455	0.003	0	0	0	6
PL.60377	PD.8963	A	6 A (CWC)	7.49Y	124.9	0.03	0.13	6.09	4	44	11	97	0.01	0.0	6.557	0.102	0	0	0	6
PL.46873	PL.60377	A	6 A (CWC)	7.49Y	124.8	0.02	0.15	4.80	3	35	9	97	0.00	0.0	6.659	0.102	9	2	1	4
PL.43916	PL.46873	A	6 A (CWC)	7.49Y	124.8	0.01	0.16	3.61	3	26	7	97	0.00	0.0	6.700	0.041	0	0	0	3
PL.46979	PL.43916	A	#1/0 ACSR	7.49Y	124.8	0.01	0.17	2.36	1	17	4	97	0.00	0.0	6.814	0.114	0	0	1	2
PL.59777	PL.46979	A	#1/0 ACSR	7.49Y	124.8	0.00	0.17	2.29	1	17	4	97	0.00	0.0	6.870	0.057	17	4	1	1
PL.43917	PL.43916	A	6 A (CWC)	7.49Y	124.8	0.00	0.16	1.25	1	9	2	98	0.00	0.0	6.720	0.020	9	2	1	1
PL.53562	PL.60377	A	#2 ACSR	7.49Y	124.9	0.00	0.14	1.29	1	9	2	98	0.00	0.0	6.624	0.067	0	0	0	2
PL.53564	PL.53562	A	#1/0 ACSR	7.49Y	124.9	0.00	0.14	0.14	0	1	0	100	0.00	0.0	6.671	0.047	1	0	1	1
PL.53563	PL.53562	A	#2 ACSR	7.49Y	124.9	0.00	0.14	1.15	1	8	2	97	0.00	0.0	6.691	0.067	8	2	1	1
PL.46200	PL.44970	A	#2 ACSR	7.51Y	125.2	0.00	-0.21	0.65	0	5	1	98	0.00	0.0	6.201	0.019	5	1	1	1
PL.58263	PL.58258	A	#2 ACSR	7.52Y	125.4	0.00	-0.40	0.00	0	0	0	100	0.00	0.0	6.070	0.002	0	0	0	0
PD.8518	PL.58263	A	25T	7.52Y	125.4	0.00	-0.40	0.00	0	0	0	100	0.00	0.0	6.070	0.002	0	0	0	0
PL.58264	PD.8518	A	#2 ACSR	7.52Y	125.4	0.00	-0.40	0.00	0	0	0	100	0.00	0.0	6.199	0.128	0	0	0	0
PL.58265	PL.58258	A	6 A (CWC)	7.52Y	125.4	0.00	-0.40	1.46	1	11	3	96	0.00	0.0	6.070	0.002	0	0	0	1
PD.8519	PL.58265	A	25T	7.52Y	125.4	0.00	-0.40	1.46	0	11	3	96	0.00	0.0	6.070	0.002	0	0	0	1
PL.58266	PD.8519	A	6 A (CWC)	7.52Y	125.4	0.00	-0.40	1.46	1	11	3	96	0.00	0.0	6.114	0.044	0	0	0	1
PL.53219	PL.58266	A	6 A (CWC)	7.52Y	125.4	0.00	-0.40	1.46	1	11	3	96	0.00	0.0	6.142	0.028	11	3	1	1
PL.58257	REG36	A	6 A (CWC)	7.53Y	125.5	0.00	-0.49	1.27	1	9	2	98	0.00	0.0	6.080	0.063	9	2	1	1
PL.47179	PL.53221	ABC	#1/0 ACSR	7.11Y	118.6	0.02	6.42	24.18	11	500	127	97	0.08	0.0	5.987	0.052	0	0	0	71
PL.47180	PL.47179	ABC	#1/0 ACSR	7.11Y	118.5	0.03	6.46	24.18	11	500	127	97	0.12	0.0	6.065	0.077	0	0	0	71
PL.47181	PL.47180	ABC	#1/0 ACSR	7.11Y	118.5	0.03	6.49	24.18	11	500	126	97	0.12	0.0	6.141	0.077	0	0	0	71
PL.53729	PL.47181	ABC	#1/0 ACSR	7.11Y	118.5	0.03	6.52	23.62	10	489	123	97	0.11	0.0	6.215	0.073	19	5	3	70
PL.53730	PL.53729	ABC	#1/0 ACSR	7.11Y	118.5	0.02	6.54	22.70	10	469	119	97	0.06	0.0	6.261	0.046	8	2	2	67
PL.53731	PL.53730	ABC	#1/0 ACSR	7.11Y	118.4	0.02	6.56	22.30	10	461	116	97	0.07	0.0	6.315	0.054	0	0	0	65
PL.46609	PL.53731	ABC	#1/0 ACSR	7.10Y	118.4	0.03	6.59	18.90	8	391	99	97	0.08	0.0	6.394	0.079	0	0	0	57

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.58284	PL.46609	B	#4 ACSR	7.10Y	118.4	0.00	6.59	10.18	8	70	18	97	0.00	0.0	6.396	0.002	0	0	0	10
PD.8528	PL.58284	B	30T	7.10Y	118.4	0.00	6.59	10.18	0	70	18	97	0.00	0.0	6.396	0.002	0	0	0	10
PL.58025	PD.8528	B	#4 ACSR	7.10Y	118.4	0.01	6.59	10.18	8	70	18	97	0.00	0.0	6.408	0.013	2	0	1	10
PL.58283	PL.58025	B	#4 ACSR	7.10Y	118.4	0.01	6.60	9.96	8	69	17	97	0.00	0.0	6.425	0.017	12	3	2	9
PL.46613	PL.58283	B	#4 ACSR	7.10Y	118.4	0.01	6.61	8.22	6	57	14	97	0.01	0.0	6.464	0.039	13	3	2	7
PL.46611	PL.46613	B	#4 ACSR	7.10Y	118.4	0.01	6.62	6.29	5	43	11	97	0.00	0.0	6.501	0.037	17	4	2	5
PL.46612	PL.46611	B	#4 ACSR	7.10Y	118.4	0.00	6.63	3.82	3	26	7	97	0.00	0.0	6.540	0.039	14	4	2	3
PL.46614	PL.46612	B	#4 ACSR	7.10Y	118.4	0.00	6.63	1.76	1	12	3	97	0.00	0.0	6.572	0.032	12	3	1	1
PL.46610	PL.46609	ABC	#1/0 ACSR	7.10Y	118.4	0.02	6.61	15.50	7	320	81	97	0.04	0.0	6.463	0.070	0	0	0	47
PL.46607	PL.46610	C	#2 ACSR	7.10Y	118.4	0.00	6.61	1.18	1	8	2	97	0.00	0.0	6.464	0.001	0	0	0	1
PD.7213	PL.46607	C	30T	7.10Y	118.4	0.00	6.61	1.18	0	8	2	97	0.00	0.0	6.464	0.001	0	0	0	1
PL.46608	PD.7213	C	#2 ACSR	7.10Y	118.4	0.00	6.61	1.18	1	8	2	97	0.00	0.0	6.486	0.022	8	2	1	1
PL.46544	PL.46610	ABC	#1/0 ACSR	7.10Y	118.4	0.04	6.64	15.11	7	312	79	97	0.09	0.0	6.605	0.142	0	0	0	46
PL.46606	PL.46544	BC	#1/0 ACSR	7.10Y	118.4	0.00	6.65	5.29	2	73	18	97	0.00	0.0	6.645	0.040	0	0	0	10
PL.58035	PL.46606	B	6 A (CWC)	7.10Y	118.4	0.00	6.65	8.47	6	58	15	97	0.00	0.0	6.648	0.003	0	0	0	9
PD.8533	PL.58035	B	30	7.10Y	118.4	0.00	6.65	8.47	28	58	15	97	0.00	0.0	6.648	0.003	0	0	0	9
PL.58036	PD.8533	B	6 A (CWC)	7.10Y	118.3	0.03	6.68	8.47	6	58	15	97	0.01	0.0	6.729	0.082	0	0	0	9
PL.59023	PL.58036	B	6 A (CWC)	7.10Y	118.3	0.00	6.68	2.67	2	18	5	96	0.00	0.0	6.730	0.000	0	0	0	2
PD.8753	PL.59023	B	15T	7.10Y	118.3	0.00	6.68	2.67	0	18	5	96	0.00	0.0	6.730	0.000	0	0	0	2
PL.59024	PD.8753	B	6 A (CWC)	7.10Y	118.3	0.00	6.68	2.67	2	18	5	96	0.00	0.0	6.730	0.000	0	0	0	2
PL.59021	PL.59024	B	#4 ACSR	7.10Y	118.3	0.00	6.68	0.94	1	6	2	95	0.00	0.0	6.864	0.134	6	2	1	1
PL.59022	PL.59024	B	#4 ACSR	7.10Y	118.3	0.00	6.68	1.73	1	12	3	97	0.00	0.0	6.810	0.080	12	3	1	1
PL.59020	PL.58036	B	6 A (CWC)	7.10Y	118.3	0.04	6.72	5.80	4	40	10	97	0.01	0.0	6.918	0.189	10	3	2	7
PL.53782	PL.59020	B	6 A (CWC)	7.10Y	118.3	0.01	6.74	4.35	3	30	8	97	0.00	0.0	6.980	0.061	0	0	0	5
PL.58037	PL.53782	B	#4 ACSR	7.10Y	118.3	0.00	6.74	3.54	3	24	6	97	0.00	0.0	6.984	0.004	0	0	0	4
PD.8534	PL.58037	B	15T	7.10Y	118.3	0.00	6.74	3.54	0	24	6	97	0.00	0.0	6.984	0.004	0	0	0	4
PL.58038	PD.8534	B	#4 ACSR	7.10Y	118.3	0.00	6.74	3.54	3	24	6	97	0.00	0.0	7.023	0.040	24	6	4	4
PL.46615	PL.53782	B	6 A (CWC)	7.10Y	118.3	0.00	6.74	0.81	1	6	1	99	0.00	0.0	7.090	0.110	0	0	0	1
PL.58039	PL.46615	B	6 A (CWC)	7.10Y	118.3	0.00	6.74	0.81	1	6	1	99	0.00	0.0	7.093	0.003	0	0	0	1
PD.8535	PL.58039	B	15T	7.10Y	118.3	0.00	6.74	0.81	0	6	1	99	0.00	0.0	7.093	0.003	0	0	0	1
PL.63559	PD.8535	B	6 A (CWC)	7.10Y	118.3	0.00	6.74	0.81	1	6	1	99	0.00	0.0	7.130	0.037	6	1	1	1

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

Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.63560	PL.63559	B	6 A (CWC)	7.10Y	118.3	0.00	6.74	0.00	0	0	0	100	0.00	0.0	7.252	0.122	0	0	0	0
PL.47097	PL.46615	B	6 A (CWC)	7.10Y	118.3	0.00	6.74	0.00	0	0	0	100	0.00	0.0	7.170	0.081	0	0	0	0
PL.47098	PL.47097	B	6 A (CWC)	7.10Y	118.3	0.00	6.74	0.00	0	0	0	100	0.00	0.0	7.238	0.068	0	0	0	0
PL.58033	PL.46606	C	#2 ACSR	7.10Y	118.4	0.00	6.65	2.11	1	15	4	97	0.00	0.0	6.648	0.003	0	0	0	1
PD.8532	PL.58033	C	15T	7.10Y	118.4	0.00	6.65	2.11	0	15	4	97	0.00	0.0	6.648	0.003	0	0	0	1
PL.58034	PD.8532	C	#2 ACSR	7.10Y	118.4	0.00	6.65	2.11	1	15	4	97	0.00	0.0	6.667	0.020	15	4	1	1
PL.58031	PL.46544	A	6 A (CWC)	7.10Y	118.4	0.00	6.65	10.78	8	74	19	97	0.00	0.0	6.608	0.003	0	0	0	8
PD.8531	PL.58031	A	30T	7.10Y	118.4	0.00	6.65	10.78	0	74	19	97	0.00	0.0	6.608	0.003	0	0	0	8
PL.58032	PD.8531	A	6 A (CWC)	7.10Y	118.3	0.01	6.66	10.78	8	74	19	97	0.01	0.0	6.641	0.034	21	5	2	8
PL.60368	PL.58032	A	6 A (CWC)	7.10Y	118.3	0.03	6.69	7.77	6	54	13	97	0.01	0.0	6.736	0.095	9	2	2	6
PL.60371	PL.60368	A	6 A (CWC)	7.10Y	118.3	0.02	6.71	6.46	5	45	11	97	0.01	0.0	6.787	0.051	0	0	0	4
PL.60372	PL.60371	A	6 A (CWC)	7.10Y	118.3	0.00	6.71	3.82	3	26	7	97	0.00	0.0	6.824	0.037	14	4	1	3
PL.60369	PL.60372	A	#1/0 ACSR	7.10Y	118.3	0.00	6.71	1.66	1	11	3	96	0.00	0.0	6.940	0.116	11	3	1	1
PL.60370	PL.60372	A	6 A (CWC)	7.10Y	118.3	0.00	6.71	0.14	0	1	0	100	0.00	0.0	6.884	0.060	1	0	1	1
PL.60373	PL.60371	A	#1/0 ACSR	7.10Y	118.3	0.00	6.71	2.64	1	18	5	96	0.00	0.0	6.846	0.059	18	5	1	1
PL.58029	PL.46544	B	6 A (CWC)	7.10Y	118.4	0.00	6.65	23.97	17	165	42	97	0.00	0.0	6.607	0.003	0	0	0	28
PD.8530	PL.58029	B	100CodeSMo	7.10Y	118.4	0.00	6.65	23.97	0	165	42	97	0.00	0.0	6.607	0.003	0	0	0	28
PL.58030	PD.8530	B	6 A (CWC)	7.10Y	118.3	0.03	6.68	23.97	17	165	42	97	0.04	0.0	6.637	0.030	0	0	0	28
PL.58028	PL.58030	B	6 A (CWC)	7.10Y	118.3	0.01	6.69	23.97	17	165	42	97	0.01	0.0	6.648	0.010	0	0	0	28
PL.53851	PL.58028	B	#1/0 ACSR	7.10Y	118.3	0.00	6.69	1.23	1	8	2	97	0.00	0.0	6.687	0.039	8	2	1	1
PL.53850	PL.58028	B	6 A (CWC)	7.09Y	118.2	0.09	6.78	22.74	16	156	40	97	0.11	0.1	6.738	0.091	11	3	2	27
REG37	PL.53850	B	76.2kva	7.52Y	125.3	-7.05	-0.27	21.14	21	145	37	97	percent Boost= 0.00 Tap= 0.0							25
PL.56771	REG37	B	6 A (CWC)	7.51Y	125.2	0.08	-0.19	19.95	14	145	37	97	0.08	0.1	6.825	0.087	0	0	0	25
PL.56772	PL.56771	B	6 A (CWC)	7.50Y	125.1	0.12	-0.07	19.95	14	145	37	97	0.12	0.1	6.963	0.137	10	3	1	25
PL.56770	PL.56772	B	6 A (CWC)	7.50Y	124.9	0.12	0.05	18.55	13	135	34	97	0.12	0.1	7.101	0.139	0	0	0	24
PL.58042	PL.56770	B	6 A (CWC)	7.50Y	124.9	0.00	0.05	13.60	10	99	25	97	0.00	0.0	7.104	0.003	0	0	0	16
PD.8537-A	PL.58042	B	Closed	7.50Y	124.9	0.00	0.05	13.60	0	99	25	97	0.00	0.0	7.104	0.003	0	0	0	16
PD.8537-B	PD.8537-A	B	Closed	7.50Y	124.9	0.00	0.05	13.60	0	99	25	97	0.00	0.0	7.104	0.003	0	0	0	16
PL.58043	PD.8537-B	B	6 A (CWC)	7.49Y	124.9	0.09	0.14	13.60	10	99	25	97	0.06	0.1	7.248	0.144	0	0	0	16
PL.53940	PL.58043	B	6 A (CWC)	7.49Y	124.8	0.05	0.19	13.60	10	99	25	97	0.03	0.0	7.330	0.082	11	3	1	16
PL.53928	PL.53940	B	6 A (CWC)	7.49Y	124.8	0.03	0.22	12.06	9	88	22	97	0.02	0.0	7.387	0.057	10	3	2	15

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.58046	PL.53928	B	6 A (CWC)	7.49Y	124.8	0.00	0.22	9.95	7	72	18	97	0.00	0.0	7.390	0.003	0	0	0	12
PD.8539	PL.58046	B	15T	7.49Y	124.8	0.00	0.22	9.95	0	72	18	97	0.00	0.0	7.390	0.003	0	0	0	12
PL.58047	PD.8539	B	6 A (CWC)	7.48Y	124.7	0.05	0.27	9.95	7	72	18	97	0.02	0.0	7.512	0.121	19	5	3	12
PL.45046	PL.58047	B	6 A (CWC)	7.48Y	124.7	0.04	0.30	7.35	5	53	13	97	0.01	0.0	7.625	0.113	3	1	1	9
PL.53542	PL.45046	B	6 A (CWC)	7.48Y	124.7	0.00	0.31	3.21	2	23	6	97	0.00	0.0	7.668	0.043	23	6	2	2
PL.46605	PL.45046	B	6 A (CWC)	7.48Y	124.7	0.01	0.31	2.53	2	18	5	96	0.00	0.0	7.688	0.063	0	0	0	5
PL.46729	PL.46605	B	#2 ACSR	7.48Y	124.7	0.00	0.31	0.00	0	0	0	100	0.00	0.0	7.784	0.096	0	0	0	0
PL.57555	PL.46605	B	#4 ACSR	7.48Y	124.7	0.01	0.32	2.53	2	18	5	96	0.00	0.0	7.840	0.152	8	2	1	5
PL.57556	PL.57555	B	#1/0 ACSR	7.48Y	124.7	0.00	0.33	1.45	1	10	3	96	0.00	0.0	7.910	0.070	10	3	4	4
PL.53543	PL.45046	B	#1/0 ACSR	7.48Y	124.7	0.00	0.30	1.16	1	8	2	97	0.00	0.0	7.682	0.057	8	2	1	1
PL.58048	PL.45046	B	#2 ACSR	7.48Y	124.7	0.00	0.30	0.00	0	0	0	100	0.00	0.0	7.649	0.024	0	0	0	0
PD.8540	PL.58048	B	15T	7.48Y	124.7	0.00	0.30	0.00	0	0	0	100	0.00	0.0	7.649	0.024	0	0	0	0
PL.58049	PD.8540	B	#2 ACSR	7.48Y	124.7	0.00	0.30	0.00	0	0	0	100	0.00	0.0	7.762	0.112	0	0	0	0
PL.58044	PL.53928	B	#4 ACSR	7.49Y	124.8	0.00	0.22	0.71	1	5	1	98	0.00	0.0	7.390	0.003	0	0	0	1
PD.8538	PL.58044	B	15T	7.49Y	124.8	0.00	0.22	0.71	0	5	1	98	0.00	0.0	7.390	0.003	0	0	0	1
PL.58045	PD.8538	B	#4 ACSR	7.49Y	124.8	0.00	0.22	0.71	1	5	1	98	0.00	0.0	7.492	0.102	5	1	1	1
PL.45971	PL.58043	B	6 A (CWC)	7.49Y	124.9	0.00	0.14	0.00	0	0	0	100	0.00	0.0	7.308	0.060	0	0	0	0
PD.7307-A	PL.45971	B	Open	7.49Y	124.9	0.00	0.14	0.00	0	0	0	100	0.00	0.0	7.308	0.060	0	0	0	0
PL.58040	PL.56770	B	#4 ACSR	7.50Y	124.9	0.00	0.05	4.96	4	36	9	97	0.00	0.0	7.104	0.003	0	0	0	8
PD.8536	PL.58040	B	25T	7.50Y	124.9	0.00	0.05	4.96	0	36	9	97	0.00	0.0	7.104	0.003	0	0	0	8
PL.58041	PD.8536	B	#4 ACSR	7.50Y	124.9	0.01	0.06	4.96	4	36	9	97	0.00	0.0	7.155	0.051	0	0	0	8
PL.53656	PL.58041	B	#2 ACSR	7.50Y	124.9	0.00	0.06	1.59	1	12	3	97	0.00	0.0	7.176	0.021	12	3	1	1
PL.53943	PL.58041	B	#4 ACSR	7.50Y	124.9	0.00	0.07	3.37	3	24	6	97	0.00	0.0	7.206	0.051	24	6	7	7
PL.58026	PL.46609	C	#1/0 ACSR	7.10Y	118.4	0.00	6.59	0.00	0	0	0	100	0.00	0.0	6.396	0.003	0	0	0	0
PD.8529	PL.58026	C	30T	7.10Y	118.4	0.00	6.59	0.00	0	0	0	100	0.00	0.0	6.396	0.003	0	0	0	0
PL.58027	PD.8529	C	#1/0 ACSR	7.10Y	118.4	0.00	6.59	0.00	0	0	0	100	0.00	0.0	6.432	0.036	0	0	0	0
PL.46871	PL.53731	B	6 A (CWC)	7.11Y	118.4	0.00	6.56	10.20	7	70	18	97	0.00	0.0	6.315	0.001	0	0	0	8
PD.7284	PL.46871	B	30T	7.11Y	118.4	0.00	6.56	10.20	0	70	18	97	0.00	0.0	6.315	0.001	0	0	0	8
PL.47182	PD.7284	B	6 A (CWC)	7.10Y	118.4	0.03	6.59	10.20	7	70	18	97	0.02	0.0	6.390	0.075	0	0	0	8
PL.47183	PL.47182	B	6 A (CWC)	7.10Y	118.4	0.03	6.62	9.20	7	63	16	97	0.01	0.0	6.462	0.072	0	0	0	7
PL.58281	PL.47183	B	#4 ACSR	7.10Y	118.4	0.00	6.63	2.15	2	15	4	97	0.00	0.0	6.465	0.003	0	0	0	2

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.8527	PL.58281	B	15T	7.10Y	118.4	0.00	6.63	2.15	0	15	4	97	0.00	0.0	6.465	0.003	0	0	0	2
PL.58282	PD.8527	B	#4 ACSR	7.10Y	118.4	0.00	6.63	2.15	2	15	4	97	0.00	0.0	6.556	0.091	15	4	2	2
PL.62087	PL.47183	B	6 A (CWC)	7.10Y	118.3	0.03	6.66	7.05	5	49	12	97	0.01	0.0	6.568	0.106	0	0	0	5
PL.62085	PL.62087	B	6 A (CWC)	7.10Y	118.3	0.02	6.67	2.99	2	21	5	97	0.00	0.0	6.737	0.169	13	3	1	2
PL.52609	PL.62085	B	6 A (CWC)	7.10Y	118.3	0.00	6.68	1.13	1	8	2	97	0.00	0.0	6.854	0.117	8	2	1	1
PL.62086	PL.62087	B	#4 ACSR	7.10Y	118.3	0.00	6.66	4.06	3	28	7	97	0.00	0.0	6.568	0.000	0	0	0	3
PD.9318	PL.62086	B	15T	7.10Y	118.3	0.00	6.66	4.06	0	28	7	97	0.00	0.0	6.568	0.000	0	0	0	3
PL.62315	PD.9318	B	#4 ACSR	7.10Y	118.3	0.00	6.66	4.06	3	28	7	97	0.00	0.0	6.568	0.000	0	0	0	3
PL.62089	PL.62315	B	#4 ACSR	7.10Y	118.3	0.01	6.67	2.53	2	17	4	97	0.00	0.0	6.661	0.093	0	0	1	2
PL.62090	PL.62089	B	#4 ACSR	7.10Y	118.3	0.01	6.67	2.48	2	17	4	97	0.00	0.0	6.752	0.092	17	4	1	1
PL.62088	PL.62315	B	#4 ACSR	7.10Y	118.3	0.00	6.66	1.53	1	11	3	96	0.00	0.0	6.593	0.026	11	3	1	1
PL.46984	PL.47182	B	#4 ACSR	7.10Y	118.4	0.00	6.60	1.00	1	7	2	96	0.00	0.0	6.435	0.045	7	2	1	1
PL.58279	PL.47181	A	#1/0 ACSR	7.11Y	118.5	0.00	6.49	1.68	1	12	3	97	0.00	0.0	6.144	0.002	0	0	0	1
PD.8526	PL.58279	A	30T	7.11Y	118.5	0.00	6.49	1.68	0	12	3	97	0.00	0.0	6.144	0.002	0	0	0	1
PL.58280	PD.8526	A	#1/0 ACSR	7.11Y	118.5	0.00	6.49	1.68	1	12	3	97	0.00	0.0	6.203	0.060	12	3	1	1
PL.53956	PL.53957	C	#2 ACSR	7.12Y	118.7	0.00	6.30	1.48	1	10	3	96	0.00	0.0	5.790	0.000	0	0	0	1
PD.7248	PL.53956	C	30T	7.12Y	118.7	0.00	6.30	1.48	0	10	3	96	0.00	0.0	5.790	0.000	0	0	0	1
PL.53635	PD.7248	C	#2 ACSR	7.12Y	118.7	0.00	6.30	1.48	1	10	3	96	0.00	0.0	5.829	0.039	10	3	1	1
PL.47128	PL.47127	A	#2 ACSR	7.13Y	118.8	0.00	6.23	3.54	2	24	6	97	0.00	0.0	5.700	0.000	0	0	0	4
PD.7274	PL.47128	A	30T	7.13Y	118.8	0.00	6.23	3.54	0	24	6	97	0.00	0.0	5.700	0.000	0	0	0	4
PL.47129	PD.7274	A	#2 ACSR	7.13Y	118.8	0.00	6.23	3.54	2	24	6	97	0.00	0.0	5.750	0.050	24	6	4	4
PL.58247	PL.47126	A	1/0 AL URD	7.14Y	119.0	0.00	6.04	4.88	3	34	8	97	0.00	0.0	5.467	0.003	0	0	0	1
PD.8501	PL.58247	A	20T	7.14Y	119.0	0.00	6.04	4.88	0	34	8	97	0.00	0.0	5.467	0.003	0	0	0	1
PL.64072	PD.8501	A	1/0 AL URD	7.14Y	119.0	0.01	6.05	4.88	3	34	8	97	0.00	0.0	5.538	0.071	34	8	1	1
PL.58245	PL.47125	C	#2 ACSR	7.14Y	119.0	0.00	5.99	0.83	0	6	1	99	0.00	0.0	5.405	0.002	0	0	0	1
PD.8500	PL.58245	C	30T	7.14Y	119.0	0.00	5.99	0.83	0	6	1	99	0.00	0.0	5.405	0.002	0	0	0	1
PL.58246	PD.8500	C	#2 ACSR	7.14Y	119.0	0.00	5.99	0.83	0	6	1	99	0.00	0.0	5.470	0.066	6	1	1	1
PL.52792	PL.60278	ABC	336 MCM AC	7.15Y	119.1	0.04	5.87	103.08	20	2121	626	96	0.49	0.0	5.280	0.055	0	0	0	194
PL.52793	PL.52792	ABC	336 MCM AC	7.14Y	119.1	0.05	5.92	103.08	20	2120	624	96	0.60	0.0	5.347	0.067	0	0	0	194
PL.58054	PL.52793	C	#4 ACSR	7.14Y	119.1	0.00	5.92	2.79	2	19	5	97	0.00	0.0	5.350	0.003	0	0	0	1
PD.8542	PL.58054	C	50T	7.14Y	119.1	0.00	5.92	2.79	0	19	5	97	0.00	0.0	5.350	0.003	0	0	0	1

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.58055	PD.8542	C	#4 ACSR	7.14Y	119.1	0.00	5.93	2.79	2	19	5	97	0.00	0.0	5.408	0.058	19	5	1	1
PL.53574	PL.52793	ABC	336 MCM AC	7.14Y	119.1	0.02	5.94	97.74	19	2009	595	96	0.18	0.0	5.370	0.023	17	4	2	180
PL.58353	PL.53574	ABC	336 MCM AC	7.14Y	119.0	0.04	5.98	96.92	19	1991	590	96	0.47	0.0	5.430	0.061	44	11	5	178
PL.58352	PL.58353	ABC	336 MCM AC	7.14Y	119.0	0.02	6.00	38.75	7	781	282	94	0.08	0.0	5.496	0.066	0	0	0	52
PL.58358	PL.58352	C	#2 ACSR	7.14Y	119.0	0.00	6.00	0.38	0	3	1	95	0.00	0.0	5.499	0.003	0	0	0	1
PD.8558	PL.58358	C	65T	7.14Y	119.0	0.00	6.00	0.38	0	3	1	95	0.00	0.0	5.499	0.003	0	0	0	1
PL.58359	PD.8558	C	#2 ACSR	7.14Y	119.0	0.00	6.01	0.38	0	3	1	95	0.00	0.0	5.554	0.055	3	1	1	1
PL.58355	PL.58352	ABC	336 MCM AC	7.14Y	119.0	0.04	6.05	36.40	7	732	270	94	0.15	0.0	5.634	0.138	10	5	1	44
PL.53863	PL.58355	ABC	336 MCM AC	7.14Y	118.9	0.02	6.06	35.90	7	722	265	94	0.06	0.0	5.695	0.061	21	5	1	43
PL.58360	PL.53863	ABC	#1/0 ACSR	7.14Y	118.9	0.00	6.06	6.57	3	136	36	97	0.00	0.0	5.698	0.003	0	0	0	8
PD.8559	PL.58360	ABC	65T	7.14Y	118.9	0.00	6.06	6.57	0	136	36	97	0.00	0.0	5.698	0.003	0	0	0	8
PL.58361	PD.8559	ABC	#1/0 ACSR	7.14Y	118.9	0.01	6.07	6.57	3	136	36	97	0.01	0.0	5.756	0.057	0	0	0	8
PL.53812	PL.58361	ABC	1/0 AL URD	7.14Y	118.9	0.01	6.08	6.57	4	136	36	97	0.01	0.0	5.804	0.049	6	3	1	8
PL.53813	PL.53812	C	1/0 AL URD	7.14Y	118.9	0.00	6.08	18.73	11	130	33	97	0.00	0.0	5.811	0.007	15	4	1	7
PL.53811	PL.53813	C	1/0 AL URD	7.13Y	118.9	0.02	6.10	16.58	10	115	29	97	0.02	0.0	5.849	0.038	0	0	0	6
PL.60274	PL.53811	C	1/0 AL URD	7.13Y	118.8	0.06	6.16	16.58	10	115	29	97	0.05	0.0	5.959	0.110	0	0	0	6
PL.60275	PL.60274	C	1/0 AL URD	7.13Y	118.8	0.00	6.16	8.83	5	61	15	97	0.00	0.0	5.992	0.033	61	15	5	5
PL.60276	PL.60274	C	1/0 AL URD	7.13Y	118.8	0.00	6.16	7.74	5	54	13	97	0.00	0.0	5.960	0.001	0	0	0	1
PD.8958	PL.60276	C	100CodeSMo	7.13Y	118.8	0.00	6.16	7.74	0	54	13	97	0.00	0.0	5.960	0.001	0	0	0	1
PL.60277	PD.8958	C	1/0 AL URD	7.13Y	118.8	0.01	6.17	7.74	5	54	13	97	0.00	0.0	6.028	0.068	54	13	1	1
PL.53864	PL.53863	ABC	336 MCM AC	7.13Y	118.9	0.04	6.11	28.38	5	565	223	93	0.12	0.0	5.882	0.187	13	3	2	34
PL.58363	PL.53864	ABC	336 MCM AC	7.13Y	118.9	0.01	6.11	27.74	5	551	220	93	0.02	0.0	5.914	0.032	1	0	2	32
PL.58364	PL.58363	ABC	336 MCM AC	7.13Y	118.9	0.01	6.12	27.69	5	550	220	93	0.02	0.0	5.940	0.026	0	0	0	30
PD.8560-A	PL.58364	ABC	Closed	7.13Y	118.9	0.00	6.12	27.69	0	550	219	93	0.00	0.0	5.940	0.026	0	0	0	30
PD.8560-B	PD.8560-A	ABC	Closed	7.13Y	118.9	0.00	6.12	27.69	0	550	219	93	0.00	0.0	5.940	0.026	0	0	0	30
PL.58365	PD.8560-B	ABC	336 MCM AC	7.13Y	118.8	0.03	6.15	27.69	5	550	219	93	0.08	0.0	6.067	0.126	0	0	0	30
PL.58316	PL.58365	C	6 A (CWC)	7.13Y	118.8	0.00	6.15	4.20	3	29	7	97	0.00	0.0	6.069	0.002	0	0	0	9
PD.8561	PL.58316	C	50T	7.13Y	118.8	0.00	6.15	4.20	0	29	7	97	0.00	0.0	6.069	0.002	0	0	0	9
PL.58317	PD.8561	C	6 A (CWC)	7.13Y	118.8	0.02	6.17	4.20	3	29	7	97	0.00	0.0	6.165	0.096	3	1	2	9
PL.58315	PL.58317	C	6 A (CWC)	7.13Y	118.8	0.01	6.18	3.11	2	22	5	98	0.00	0.0	6.258	0.092	3	1	2	5
PL.58320	PL.58315	C	#4 ACSR	7.13Y	118.8	0.00	6.18	1.18	1	8	2	97	0.00	0.0	6.260	0.002	0	0	0	1

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.8563	PL.58320	C	20T	7.13Y	118.8	0.00	6.18	1.18	0	8	2	97	0.00	0.0	6.260	0.002	0	0	0	1
PL.58321	PD.8563	C	#4 ACSR	7.13Y	118.8	0.00	6.18	1.18	1	8	2	97	0.00	0.0	6.405	0.145	8	2	1	1
PL.58318	PL.58315	C	6 A (CWC)	7.13Y	118.8	0.00	6.18	1.47	1	10	3	96	0.00	0.0	6.260	0.002	0	0	0	2
PD.8562	PL.58318	C	30T	7.13Y	118.8	0.00	6.18	1.47	0	10	3	96	0.00	0.0	6.260	0.002	0	0	0	2
PL.58319	PD.8562	C	6 A (CWC)	7.13Y	118.8	0.00	6.18	1.47	1	10	3	96	0.00	0.0	6.335	0.075	10	3	2	2
PL.58366	PL.58317	C	6 A (CWC)	7.13Y	118.8	0.00	6.17	0.60	0	4	1	97	0.00	0.0	6.270	0.104	4	1	2	2
PL.58362	PL.58365	ABC	336 MCM AC	7.13Y	118.8	0.02	6.17	26.31	5	521	212	93	0.05	0.0	6.157	0.090	0	0	0	21
PL.46839	PL.58362	ABC	336 MCM AC	7.13Y	118.8	0.02	6.19	18.64	4	364	163	91	0.03	0.0	6.250	0.093	0	0	0	11
PL.46494	PL.46839	ABC	336 MCM AC	7.13Y	118.8	0.01	6.20	18.46	4	360	162	91	0.02	0.0	6.313	0.063	0	0	0	10
PL.64879	PL.46494	ABC	336 MCM AC	7.13Y	118.8	0.03	6.22	15.42	3	301	134	91	0.04	0.0	6.517	0.204	0	0	0	9
PL.64881	PL.64879	ABC	336 MCM AC	7.13Y	118.8	0.00	6.23	15.42	3	301	134	91	0.01	0.0	6.548	0.031	0	0	0	9
PD.9568-A	PL.64881	ABC	Closed	7.13Y	118.8	0.00	6.23	15.42	0	301	134	91	0.00	0.0	6.548	0.031	0	0	0	9
PD.9568-B	PD.9568-A	ABC	Closed	7.13Y	118.8	0.00	6.23	15.42	0	301	134	91	0.00	0.0	6.548	0.031	0	0	0	9
PL.64882	PD.9568-B	ABC	336 MCM AC	7.13Y	118.8	0.00	6.23	15.42	3	301	134	91	0.00	0.0	6.550	0.002	0	0	0	9
PL.64884	PL.64882	ABC	350 MCM AL	7.13Y	118.8	0.02	6.25	15.42	5	301	134	91	0.04	0.0	6.759	0.209	0	0	0	9
PL.58335	PL.64884	ABC	#1/0 ACSR	7.13Y	118.8	0.00	6.25	15.42	7	301	134	91	0.00	0.0	6.761	0.002	0	0	0	9
PD.8569-A	PL.58335	ABC	Closed	7.13Y	118.8	0.00	6.25	15.42	0	301	134	91	0.00	0.0	6.761	0.002	0	0	0	9
PD.8569-B	PD.8569-A	ABC	Closed	7.13Y	118.8	0.00	6.25	15.42	0	301	134	91	0.00	0.0	6.761	0.002	0	0	0	9
PL.64885	PD.8569-B	ABC	336 MCM AC	7.12Y	118.7	0.01	6.25	15.42	3	301	134	91	0.01	0.0	6.804	0.043	0	0	0	9
PL.58337	PL.64885	A	#4 ACSR	7.12Y	118.7	0.00	6.25	2.89	2	20	5	97	0.00	0.0	6.807	0.003	0	0	0	4
PD.8570	PL.58337	A	50T	7.12Y	118.7	0.00	6.25	2.89	0	20	5	97	0.00	0.0	6.807	0.003	0	0	0	4
PL.64351	PD.8570	A	#4 ACSR	7.12Y	118.7	0.00	6.26	2.89	2	20	5	97	0.00	0.0	6.830	0.023	11	3	3	4
PL.64352	PL.64351	A	#4 ACSR	7.12Y	118.7	0.00	6.26	1.24	1	9	2	98	0.00	0.0	6.866	0.035	9	2	1	1
PL.46495	PL.64885	ABC	336 MCM AC	7.12Y	118.7	0.00	6.25	0.64	0	13	3	97	0.00	0.0	6.881	0.077	2	1	1	4
PL.46496	PL.46495	ABC	336 MCM AC	7.12Y	118.7	0.00	6.25	0.00	0	0	0	100	0.00	0.0	6.944	0.064	0	0	0	0
PD.5886-B	PL.46496	ABC	Open	7.12Y	118.7	0.00	6.25	0.00	0	0	0	100	0.00	0.0	6.944	0.064	0	0	0	0
PL.46324	PL.46495	A	#2 ACSR	7.12Y	118.7	0.00	6.25	0.00	0	0	0	100	0.00	0.0	6.915	0.035	0	0	0	0
PL.58338	PL.46495	C	#2 ACSR	7.12Y	118.7	0.00	6.25	1.57	1	11	3	96	0.00	0.0	6.883	0.003	0	0	0	3
PD.8571	PL.58338	C	50T	7.12Y	118.7	0.00	6.25	1.57	0	11	3	96	0.00	0.0	6.883	0.003	0	0	0	3
PL.58339	PD.8571	C	#2 ACSR	7.12Y	118.7	0.00	6.25	1.57	1	11	3	96	0.00	0.0	6.901	0.018	11	3	3	3
PL.64353	PL.64885	ABC	#1/0 ACSR	7.12Y	118.7	0.00	6.25	13.85	6	268	125	91	0.00	0.0	6.810	0.006	268	125	1	1

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

Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.58330	PL.46494	ABC	#2 ACSR	7.13Y	118.8	0.00	6.20	3.04	2	59	28	90	0.00	0.0	6.316	0.003	0	0	0	1
PD.8567	PL.58330	ABC	65T	7.13Y	118.8	0.00	6.20	3.04	0	59	28	90	0.00	0.0	6.316	0.003	0	0	0	1
PL.58331	PD.8567	ABC	#2 ACSR	7.13Y	118.8	0.00	6.20	3.04	2	59	28	90	0.00	0.0	6.348	0.032	59	28	1	1
PL.58328	PL.46839	C	6 A (CWC)	7.13Y	118.8	0.00	6.19	0.53	0	4	1	97	0.00	0.0	6.253	0.002	0	0	0	1
PD.8566	PL.58328	C	50T	7.13Y	118.8	0.00	6.19	0.53	0	4	1	97	0.00	0.0	6.253	0.002	0	0	0	1
PL.58329	PD.8566	C	6 A (CWC)	7.13Y	118.8	0.00	6.19	0.53	0	4	1	97	0.00	0.0	6.427	0.174	0	0	0	1
PL.58327	PL.58329	C	6 A (CWC)	7.13Y	118.8	0.00	6.19	0.53	0	4	1	97	0.00	0.0	6.542	0.115	4	1	1	1
PL.46491	PL.58362	ABC	#4 ACSR	7.13Y	118.8	0.01	6.18	7.71	6	158	49	96	0.02	0.0	6.205	0.047	0	0	0	10
PL.46492	PL.46491	ABC	#4 ACSR	7.13Y	118.8	0.00	6.18	2.40	2	50	13	97	0.00	0.0	6.205	0.001	0	0	0	1
PD.7223	PL.46492	ABC	75QA	7.13Y	118.8	0.00	6.18	2.40	3	50	13	97	0.00	0.0	6.205	0.001	0	0	0	1
PL.46493	PD.7223	ABC	#4 ACSR	7.13Y	118.8	0.00	6.19	2.40	2	50	13	97	0.00	0.0	6.243	0.038	50	13	1	1
PL.58325	PL.46491	A	1/0 AL URD	7.13Y	118.8	0.00	6.18	1.48	1	10	3	96	0.00	0.0	6.207	0.003	0	0	0	3
PD.8565	PL.58325	A	20T	7.13Y	118.8	0.00	6.18	1.48	0	10	3	96	0.00	0.0	6.207	0.003	0	0	0	3
PL.58326	PD.8565	A	1/0 AL URD	7.13Y	118.8	0.00	6.19	1.48	1	10	3	96	0.00	0.0	6.244	0.037	10	3	3	3
PL.58323	PL.46491	ABC	#2 ACSR	7.13Y	118.8	0.00	6.18	4.83	3	98	33	95	0.00	0.0	6.207	0.003	0	0	0	6
PD.8564	PL.58323	ABC	50T	7.13Y	118.8	0.00	6.18	4.83	3	98	33	95	0.00	0.0	6.207	0.003	0	0	0	6
PL.58324	PD.8564	ABC	#2 ACSR	7.13Y	118.8	0.00	6.19	4.83	3	98	33	95	0.00	0.0	6.242	0.034	40	19	2	6
PL.58322	PL.58324	ABC	#2 ACSR	7.13Y	118.8	0.00	6.19	2.76	2	57	14	97	0.00	0.0	6.245	0.004	0	0	0	4
PL.55978	PL.58322	A	#4 ACSR	7.13Y	118.8	0.01	6.20	8.29	6	57	14	97	0.00	0.0	6.311	0.066	57	14	4	4
PL.58356	PL.58352	A	#2 ACSR	7.14Y	119.0	0.00	6.01	6.72	4	47	12	97	0.00	0.0	5.499	0.003	0	0	0	7
PD.8557	PL.58356	A	65T	7.14Y	119.0	0.00	6.01	6.72	0	47	12	97	0.00	0.0	5.499	0.003	0	0	0	7
PL.58357	PD.8557	A	#2 ACSR	7.14Y	119.0	0.00	6.01	6.72	4	47	12	97	0.00	0.0	5.526	0.027	15	4	2	7
PL.58351	PL.58357	A	#2 ACSR	7.14Y	119.0	0.00	6.01	4.55	3	31	8	97	0.00	0.0	5.547	0.020	21	5	2	5
PL.53654	PL.58351	A	#2 ACSR	7.14Y	119.0	0.00	6.01	1.57	1	11	3	96	0.00	0.0	5.620	0.073	11	3	3	3
PL.58354	PL.58353	ABC	6 A (CWC)	7.14Y	119.0	0.02	6.01	56.15	40	1166	296	97	0.23	0.0	5.442	0.012	76	19	7	121
PL.58056	PL.58354	ABC	6 A (CWC)	7.13Y	118.9	0.14	6.15	52.50	37	1090	277	97	1.23	0.1	5.509	0.067	0	0	0	114
PD.8543	PL.58056	ABC	140L	7.13Y	118.9	0.00	6.15	52.50	37	1089	276	97	0.00	0.0	5.509	0.067	0	0	0	114
PL.58061	PD.8543	ABC	6 A (CWC)	7.13Y	118.8	0.04	6.19	52.50	37	1089	276	97	0.34	0.0	5.528	0.019	14	3	1	114
PL.58285	PL.58061	A	6 A (CWC)	7.13Y	118.8	0.00	6.19	11.61	8	80	20	97	0.00	0.0	5.530	0.002	0	0	0	7
PD.8545	PL.58285	A	40T	7.13Y	118.8	0.00	6.19	11.61	0	80	20	97	0.00	0.0	5.530	0.002	0	0	0	7
PL.58286	PD.8545	A	6 A (CWC)	7.13Y	118.8	0.04	6.22	11.61	8	80	20	97	0.02	0.0	5.614	0.084	30	8	3	7

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.58057	PL.58286	A	#4 ACSR	7.13Y	118.8	0.00	6.22	0.00	0	0	0	100	0.00	0.0	5.770	0.156	0	0	0	0
PL.58058	PL.58286	A	6 A (CWC)	7.13Y	118.8	0.02	6.24	7.27	5	50	13	97	0.01	0.0	5.674	0.061	9	2	1	4
PL.46497	PL.58058	A	6 A (CWC)	7.13Y	118.8	0.01	6.25	6.01	4	42	10	97	0.00	0.0	5.703	0.028	20	5	2	3
PL.53187	PL.46497	A	#2 ACSR	7.13Y	118.8	0.00	6.25	3.11	2	21	5	97	0.00	0.0	5.738	0.035	21	5	1	1
PL.58062	PL.58061	A	6 A (CWC)	7.13Y	118.8	0.00	6.19	5.64	4	39	10	97	0.00	0.0	5.531	0.003	0	0	0	5
PD.8544	PL.58062	A	40T	7.13Y	118.8	0.00	6.19	5.64	0	39	10	97	0.00	0.0	5.531	0.003	0	0	0	5
PL.58063	PD.8544	A	6 A (CWC)	7.13Y	118.8	0.01	6.20	5.64	4	39	10	97	0.00	0.0	5.574	0.044	15	4	1	5
PL.58059	PL.58063	A	6 A (CWC)	7.13Y	118.8	0.00	6.20	0.00	0	0	0	100	0.00	0.0	5.618	0.044	0	0	1	1
PL.58060	PL.58063	A	6 A (CWC)	7.13Y	118.8	0.00	6.20	3.53	3	24	6	97	0.00	0.0	5.606	0.032	24	6	3	3
PL.58287	PL.58061	ABC	#1/0 ACSR	7.13Y	118.8	0.03	6.21	46.09	20	955	243	97	0.20	0.0	5.562	0.035	0	0	0	101
PL.58544	PL.58287	A	#2 ACSR	7.13Y	118.8	0.00	6.21	1.00	1	7	2	96	0.00	0.0	5.564	0.001	0	0	0	1
PD.8546	PL.58544	A	40T	7.13Y	118.8	0.00	6.21	1.00	0	7	2	96	0.00	0.0	5.564	0.001	0	0	0	1
PL.58545	PD.8546	A	#2 ACSR	7.13Y	118.8	0.00	6.21	1.00	1	7	2	96	0.00	0.0	5.567	0.003	7	2	1	1
PL.58289	PL.58287	ABC	#1/0 ACSR	7.12Y	118.6	0.15	6.36	45.76	20	948	241	97	1.02	0.1	5.746	0.183	0	0	0	100
PL.58290	PL.58289	A	#2 ACSR	7.12Y	118.6	0.00	6.36	0.80	0	6	1	99	0.00	0.0	5.748	0.002	0	0	0	1
PD.8547	PL.58290	A	30T	7.12Y	118.6	0.00	6.36	0.80	0	6	1	99	0.00	0.0	5.748	0.002	0	0	0	1
PL.58291	PD.8547	A	#2 ACSR	7.12Y	118.6	0.00	6.37	0.80	0	6	1	99	0.00	0.0	5.917	0.170	6	1	1	1
PL.47076	PL.58289	ABC	#1/0 ACSR	7.12Y	118.6	0.05	6.41	45.50	20	942	239	97	0.31	0.0	5.802	0.057	0	0	0	99
PL.47077	PL.47076	ABC	#1/0 ACSR	7.11Y	118.5	0.13	6.54	43.72	19	905	229	97	0.86	0.1	5.970	0.168	0	0	0	96
PL.58300	PL.47077	A	#2 ACSR	7.11Y	118.5	0.00	6.54	7.04	4	49	12	97	0.00	0.0	5.973	0.002	0	0	0	3
PD.8551	PL.58300	A	30T	7.11Y	118.5	0.00	6.54	7.04	0	49	12	97	0.00	0.0	5.973	0.002	0	0	0	3
PL.58301	PD.8551	A	#2 ACSR	7.11Y	118.5	0.01	6.55	7.04	4	49	12	97	0.00	0.0	6.020	0.047	49	12	3	3
PL.58298	PL.47077	A	6 A (CWC)	7.11Y	118.5	0.00	6.54	20.14	14	139	35	97	0.00	0.0	5.973	0.003	0	0	0	12
PD.8550	PL.58298	A	30T	7.11Y	118.5	0.00	6.54	20.14	0	139	35	97	0.00	0.0	5.973	0.003	0	0	0	12
PL.58299	PD.8550	A	6 A (CWC)	7.10Y	118.4	0.05	6.60	20.14	14	139	35	97	0.05	0.0	6.036	0.063	24	6	3	12
PL.58295	PL.58299	A	6 A (CWC)	7.10Y	118.4	0.04	6.64	16.62	12	114	29	97	0.04	0.0	6.094	0.058	0	0	0	9
PL.53722	PL.58295	A	#4 ACSR	7.10Y	118.4	0.00	6.64	3.60	3	25	6	97	0.00	0.0	6.146	0.052	25	6	2	2
PL.53723	PL.58295	A	6 A (CWC)	7.10Y	118.3	0.02	6.66	13.02	9	90	23	97	0.01	0.0	6.130	0.036	10	2	1	7
PL.53724	PL.53723	A	6 A (CWC)	7.10Y	118.3	0.06	6.72	11.59	8	80	20	97	0.04	0.0	6.238	0.108	0	0	0	6
PL.52149	PL.53724	A	6 A (CWC)	7.10Y	118.3	0.00	6.72	0.00	0	0	0	100	0.00	0.0	6.242	0.003	0	0	0	0
PL.60391	PL.53724	A	#4 ACSR	7.10Y	118.3	0.00	6.72	11.59	9	80	20	97	0.00	0.0	6.242	0.003	0	0	0	6

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.8964	PL.60391	A	15T	7.10Y	118.3	0.00	6.72	11.59	0	80	20	97	0.00	0.0	6.242	0.003	0	0	0	6
PL.62877	PD.8964	A	#4 ACSR	7.10Y	118.3	0.02	6.73	11.59	9	80	20	97	0.01	0.0	6.290	0.048	51	13	3	6
PL.62876	PL.62877	A	#1/0 ACSR	7.10Y	118.3	0.00	6.74	4.16	2	29	7	97	0.00	0.0	6.313	0.023	0	0	0	3
PL.59156	PL.62876	A	#4 ACSR	7.10Y	118.3	0.01	6.74	4.16	3	29	7	97	0.00	0.0	6.398	0.085	29	7	3	3
PL.53566	PL.47077	ABC	#1/0 ACSR	7.10Y	118.4	0.07	6.61	32.61	14	674	170	97	0.33	0.0	6.086	0.115	4	1	1	77
PL.63589	PL.53566	ABC	#1/0 ACSR	7.10Y	118.3	0.09	6.69	29.30	13	605	153	97	0.38	0.1	6.253	0.167	0	0	0	66
REG35	PL.63589	ABC	76.2 KVA	7.52Y	125.4	-7.05	-0.36	29.30	29	605	152	97	percent Boost= 5.62			Tap= 9.0				66
PL.63590	REG35	ABC	#1/0 ACSR	7.52Y	125.3	0.03	-0.33	27.50	12	602	152	97	0.11	0.0	6.312	0.059	37	9	2	65
PL.53788	PL.63590	ABC	#1/0 ACSR	7.52Y	125.3	0.02	-0.31	25.81	11	565	142	97	0.08	0.0	6.361	0.049	16	4	2	63
PL.53789	PL.53788	ABC	#1/0 ACSR	7.52Y	125.3	0.02	-0.28	25.09	11	549	138	97	0.09	0.0	6.416	0.055	12	3	1	61
PL.53790	PL.53789	ABC	#1/0 ACSR	7.52Y	125.3	0.01	-0.27	24.56	11	537	135	97	0.04	0.0	6.445	0.029	37	9	3	60
PL.58314	PL.53790	C	#4 ACSR	7.52Y	125.3	0.00	-0.27	20.02	15	146	37	97	0.00	0.0	6.448	0.003	0	0	0	16
PD.8555	PL.58314	C	30T	7.52Y	125.3	0.00	-0.27	20.02	0	146	37	97	0.00	0.0	6.448	0.003	0	0	0	16
PL.58313	PD.8555	C	#4 ACSR	7.51Y	125.2	0.03	-0.24	20.02	15	146	37	97	0.03	0.0	6.483	0.035	18	5	1	16
PL.58312	PL.58313	C	#4 ACSR	7.51Y	125.2	0.03	-0.21	17.48	13	127	32	97	0.03	0.0	6.526	0.043	7	2	2	15
PL.46396	PL.58312	C	#4 ACSR	7.51Y	125.2	0.05	-0.16	16.47	13	120	30	97	0.04	0.0	6.596	0.071	3	1	1	13
PL.46395	PL.46396	C	#4 ACSR	7.51Y	125.1	0.02	-0.13	16.02	12	117	29	97	0.02	0.0	6.630	0.033	0	0	0	12
PL.46791	PL.46395	C	#4 ACSR	7.51Y	125.1	0.00	-0.13	4.75	4	35	9	97	0.00	0.0	6.658	0.029	35	9	3	3
PL.46392	PL.46395	C	#4 ACSR	7.51Y	125.1	0.02	-0.11	11.26	9	82	21	97	0.01	0.0	6.665	0.035	0	0	0	9
PL.60581	PL.46392	C	#4 ACSR	7.51Y	125.1	0.00	-0.11	3.78	3	27	7	97	0.00	0.0	6.668	0.003	0	0	0	3
PD.9044	PL.60581	C	15T	7.51Y	125.1	0.00	-0.11	3.78	0	27	7	97	0.00	0.0	6.668	0.003	0	0	0	3
PL.60583	PD.9044	C	#4 ACSR	7.51Y	125.1	0.01	-0.11	3.78	3	27	7	97	0.00	0.0	6.708	0.040	13	3	1	3
PL.60582	PL.60583	C	#4 ACSR	7.51Y	125.1	0.00	-0.11	1.96	2	14	4	96	0.00	0.0	6.783	0.075	14	4	2	2
PL.60580	PL.60582	C	#4 ACSR	7.51Y	125.1	0.00	-0.11	0.00	0	0	0	100	0.00	0.0	6.787	0.004	0	0	0	0
PL.58349	PL.46392	C	#4 ACSR	7.51Y	125.1	0.00	-0.11	7.49	6	55	14	97	0.00	0.0	6.668	0.003	0	0	0	6
PD.8556	PL.58349	C	15T	7.51Y	125.1	0.00	-0.11	7.49	0	55	14	97	0.00	0.0	6.668	0.003	0	0	0	6
PL.58350	PD.8556	C	#4 ACSR	7.51Y	125.1	0.01	-0.11	7.49	6	55	14	97	0.00	0.0	6.695	0.027	9	2	1	6
PL.46393	PL.58350	C	#4 ACSR	7.51Y	125.1	0.01	-0.10	6.24	5	45	11	97	0.00	0.0	6.742	0.047	27	7	3	5
PL.46394	PL.46393	C	#4 ACSR	7.51Y	125.1	0.00	-0.09	2.57	2	19	5	97	0.00	0.0	6.772	0.030	19	5	2	2
PL.58308	PL.53790	B	1/0 AL URD	7.52Y	125.3	0.00	-0.27	10.76	6	78	20	97	0.00	0.0	6.446	0.001	0	0	0	9
PD.8553	PL.58308	B	30T	7.52Y	125.3	0.00	-0.27	10.76	0	78	20	97	0.00	0.0	6.446	0.001	0	0	0	9

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.58309	PD.8553	B	1/0 AL URD	7.52Y	125.3	0.00	-0.27	10.76	6	78	20	97	0.00	0.0	6.459	0.013	0	0	0	9
PL.58306	PL.58309	B	1/0 AL URD	7.52Y	125.3	0.01	-0.25	10.76	6	78	20	97	0.01	0.0	6.500	0.041	0	0	0	9
PL.52436	PL.58306	B	1/0 AL URD	7.51Y	125.2	0.00	-0.25	10.76	6	78	20	97	0.00	0.0	6.509	0.008	0	0	0	9
PL.53793	PL.52436	B	1/0 AL URD	7.51Y	125.2	0.02	-0.23	10.76	6	78	20	97	0.01	0.0	6.555	0.046	0	0	0	9
PL.53794	PL.53793	B	1/0 AL URD	7.51Y	125.2	0.00	-0.23	0.00	0	0	0	100	0.00	0.0	6.568	0.013	0	0	0	0
PL.52444	PL.53794	B	1/0 AL URD	7.51Y	125.2	0.00	-0.23	0.00	0	0	0	100	0.00	0.0	6.570	0.002	0	0	0	0
PL.53795	PL.53793	B	1/0 AL URD	7.51Y	125.2	0.00	-0.23	10.74	6	78	20	97	0.00	0.0	6.567	0.013	0	0	0	8
PL.52312	PL.53795	B	1/0 AL URD	7.51Y	125.2	0.00	-0.23	7.68	5	56	14	97	0.00	0.0	6.579	0.012	0	0	0	6
PL.52313	PL.52312	B	1/0 AL URD	7.51Y	125.2	0.00	-0.22	7.68	5	56	14	97	0.00	0.0	6.590	0.011	0	0	0	6
PL.52314	PL.52313	B	1/0 AL URD	7.51Y	125.2	0.01	-0.22	7.68	5	56	14	97	0.00	0.0	6.613	0.023	0	0	0	6
PL.52315	PL.52314	B	1/0 AL URD	7.51Y	125.2	0.00	-0.22	7.68	5	56	14	97	0.00	0.0	6.618	0.006	0	0	0	6
PL.52316	PL.52315	B	1/0 AL URD	7.51Y	125.2	0.01	-0.21	7.68	5	56	14	97	0.00	0.0	6.657	0.039	0	0	0	6
PL.52317	PL.52316	B	1/0 AL URD	7.51Y	125.2	0.01	-0.20	7.68	5	56	14	97	0.00	0.0	6.699	0.042	0	0	0	6
PL.52318	PL.52317	B	1/0 AL URD	7.51Y	125.2	0.01	-0.19	7.68	5	56	14	97	0.00	0.0	6.736	0.037	13	3	1	6
PL.52319	PL.52318	B	1/0 AL URD	7.51Y	125.2	0.00	-0.19	5.92	3	43	11	97	0.00	0.0	6.764	0.028	21	5	2	5
PL.52320	PL.52319	B	1/0 AL URD	7.51Y	125.2	0.00	-0.18	3.02	2	22	6	96	0.00	0.0	6.808	0.043	22	6	3	3
PL.52321	PL.52320	B	1/0 AL URD	7.51Y	125.2	0.00	-0.18	0.00	0	0	0	100	0.00	0.0	6.847	0.040	0	0	0	0
PL.52438	PL.53795	B	1/0 AL URD	7.51Y	125.2	0.00	-0.23	3.05	2	22	6	96	0.00	0.0	6.601	0.034	0	0	0	2
PL.52437	PL.52438	B	1/0 AL URD	7.51Y	125.2	0.00	-0.22	3.05	2	22	6	96	0.00	0.0	6.613	0.011	0	0	0	2
PL.53791	PL.52437	B	1/0 AL URD	7.51Y	125.2	0.00	-0.22	3.05	2	22	6	96	0.00	0.0	6.638	0.026	6	1	1	2
PL.53792	PL.53791	B	1/0 AL URD	7.51Y	125.2	0.00	-0.22	2.29	1	17	4	97	0.00	0.0	6.639	0.000	0	0	0	1
PL.52439	PL.53792	B	1/0 AL URD	7.51Y	125.2	0.00	-0.22	2.29	1	17	4	97	0.00	0.0	6.667	0.029	0	0	0	1
PL.52440	PL.52439	B	1/0 AL URD	7.51Y	125.2	0.00	-0.22	2.29	1	17	4	97	0.00	0.0	6.693	0.026	17	4	1	1
PL.52441	PL.52440	B	1/0 AL URD	7.51Y	125.2	0.00	-0.22	0.00	0	0	0	100	0.00	0.0	6.694	0.001	0	0	0	0
PL.52442	PL.52441	B	1/0 AL URD	7.51Y	125.2	0.00	-0.22	0.00	0	0	0	100	0.00	0.0	6.699	0.005	0	0	0	0
PL.52443	PL.52442	B	1/0 AL URD	7.51Y	125.2	0.00	-0.22	0.00	0	0	0	100	0.00	0.0	6.724	0.025	0	0	0	0
PL.52445	PL.52443	B	1/0 AL URD	7.51Y	125.2	0.00	-0.22	0.00	0	0	0	100	0.00	0.0	6.728	0.005	0	0	0	0
PL.72977	PL.53793	B	1/0 AL URD	7.51Y	125.2	0.00	-0.23	0.02	0	0	0	100	0.00	0.0	6.584	0.029	0	0	1	1
PL.72978	PL.72977	B	1/0 AL URD	7.51Y	125.2	0.00	-0.23	0.00	0	0	0	100	0.00	0.0	6.666	0.082	0	0	0	0
PD.9007	PL.53793	B	100CodeSMo	7.51Y	125.2	0.00	-0.23	0.00	0	0	0	100	0.00	0.0	6.555	0.082	0	0	0	0
PL.58311	PL.53790	B	1/0 AL URD	7.52Y	125.3	0.00	-0.27	37.83	22	276	69	97	0.00	0.0	6.446	0.001	0	0	0	32

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: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.8554	PL.58311	B	30T	7.52Y	125.3	0.00	-0.27	37.83	0	276	69	97	0.00	0.0	6.446	0.001	0	0	0	32
PL.58310	PD.8554	B	1/0 AL URD	7.52Y	125.3	0.00	-0.27	37.83	22	276	69	97	0.01	0.0	6.448	0.002	0	0	0	32
PL.58307	PL.58310	B	1/0 AL URD	7.52Y	125.3	0.00	-0.26	37.83	22	276	69	97	0.01	0.0	6.450	0.002	0	0	0	32
PL.52298	PL.58307	B	1/0 AL URD	7.51Y	125.2	0.03	-0.23	37.83	22	276	69	97	0.07	0.0	6.479	0.029	0	0	0	32
PL.52299	PL.52298	B	1/0 AL URD	7.51Y	125.2	0.00	-0.23	2.13	1	16	4	97	0.00	0.0	6.513	0.034	6	1	1	2
PL.52300	PL.52299	B	1/0 AL URD	7.51Y	125.2	0.00	-0.23	1.34	1	10	2	98	0.00	0.0	6.532	0.019	0	0	0	1
PL.53939	PL.52300	B	1/0 AL URD	7.51Y	125.2	0.00	-0.23	1.34	1	10	2	98	0.00	0.0	6.595	0.062	10	2	1	1
PL.52301	PL.52298	B	1/0 AL URD	7.51Y	125.2	0.01	-0.22	35.69	21	260	65	97	0.03	0.0	6.491	0.012	0	0	0	30
PL.52302	PL.52301	B	1/0 AL URD	7.51Y	125.2	0.01	-0.20	35.69	21	260	65	97	0.03	0.0	6.504	0.013	0	0	0	30
PL.53796	PL.52302	B	1/0 AL URD	7.51Y	125.2	0.02	-0.19	35.69	21	260	65	97	0.03	0.0	6.519	0.016	11	3	3	30
PL.53797	PL.53796	B	1/0 AL URD	7.51Y	125.2	0.01	-0.17	34.19	20	249	63	97	0.02	0.0	6.530	0.011	0	0	0	27
PL.52303	PL.53797	B	1/0 AL URD	7.51Y	125.1	0.03	-0.14	34.19	20	249	63	97	0.06	0.0	6.562	0.032	4	1	1	27
PL.52304	PL.52303	B	1/0 AL URD	7.51Y	125.1	0.02	-0.12	33.63	20	245	62	97	0.03	0.0	6.579	0.017	0	0	0	26
PL.52305	PL.52304	B	1/0 AL URD	7.51Y	125.1	0.01	-0.11	33.63	20	245	62	97	0.02	0.0	6.587	0.008	0	0	0	26
PL.52306	PL.52305	B	1/0 AL URD	7.50Y	125.1	0.04	-0.07	33.63	20	245	62	97	0.07	0.0	6.625	0.038	14	3	3	26
PL.52307	PL.52306	B	1/0 AL URD	7.50Y	125.1	0.02	-0.05	31.73	19	231	58	97	0.04	0.0	6.647	0.022	0	0	0	23
PL.52308	PL.52307	B	1/0 AL URD	7.50Y	125.0	0.01	-0.04	31.73	19	231	58	97	0.03	0.0	6.662	0.014	0	0	0	23
PL.52309	PL.52308	B	1/0 AL URD	7.50Y	125.0	0.01	-0.03	31.73	19	231	58	97	0.02	0.0	6.672	0.011	9	2	1	23
PL.53852	PL.52309	B	1/0 AL URD	7.50Y	125.0	0.00	-0.03	30.49	18	222	56	97	0.00	0.0	6.673	0.001	3	1	1	22
PL.53853	PL.53852	B	1/0 AL URD	7.50Y	125.0	0.02	-0.01	30.07	18	219	55	97	0.03	0.0	6.696	0.023	13	3	2	21
PL.52310	PL.53853	B	1/0 AL URD	7.50Y	125.0	0.01	0.00	28.32	17	206	52	97	0.02	0.0	6.709	0.013	0	0	0	19
PL.52311	PL.52310	B	1/0 AL URD	7.50Y	125.0	0.02	0.03	28.32	17	206	52	97	0.04	0.0	6.738	0.029	32	8	2	19
PL.52420	PL.52311	B	1/0 AL URD	7.50Y	124.9	0.03	0.06	23.99	14	174	44	97	0.04	0.0	6.779	0.041	0	0	0	17
PL.52421	PL.52420	B	1/0 AL URD	7.50Y	124.9	0.01	0.06	23.99	14	174	44	97	0.01	0.0	6.786	0.007	0	0	0	17
PL.52422	PL.52421	B	1/0 AL URD	7.50Y	124.9	0.02	0.08	23.99	14	174	44	97	0.02	0.0	6.809	0.023	18	5	2	17
PL.52423	PL.52422	B	1/0 AL URD	7.49Y	124.9	0.03	0.11	21.52	13	156	39	97	0.04	0.0	6.854	0.045	0	0	0	15
PL.52424	PL.52423	B	1/0 AL URD	7.49Y	124.9	0.00	0.12	21.52	13	156	39	97	0.01	0.0	6.860	0.006	0	0	0	15
PL.52425	PL.52424	B	1/0 AL URD	7.49Y	124.9	0.01	0.13	21.52	13	156	39	97	0.01	0.0	6.877	0.017	33	8	4	15
PL.52426	PL.52425	B	1/0 AL URD	7.49Y	124.8	0.03	0.15	16.94	10	123	31	97	0.03	0.0	6.927	0.050	0	0	1	11
PL.53798	PL.52426	B	1/0 AL URD	7.49Y	124.8	0.00	0.15	16.94	10	123	31	97	0.00	0.0	6.928	0.000	24	6	1	10
PL.53799	PL.53798	B	1/0 AL URD	7.49Y	124.8	0.02	0.17	13.65	8	99	25	97	0.01	0.0	6.975	0.047	20	5	2	9

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.52429	PL.53799	B	1/0 AL URD	7.49Y	124.8	0.01	0.18	10.95	6	80	20	97	0.01	0.0	7.022	0.047	21	5	2	7
PL.52430	PL.52429	B	1/0 AL URD	7.49Y	124.8	0.00	0.19	8.01	5	58	15	97	0.00	0.0	7.040	0.018	0	0	0	5
PL.52428	PL.52430	B	1/0 AL URD	7.49Y	124.8	0.00	0.19	8.01	5	58	15	97	0.00	0.0	7.047	0.006	0	0	0	5
PL.52427	PL.52428	B	1/0 AL URD	7.49Y	124.8	0.00	0.19	8.01	5	58	15	97	0.00	0.0	7.051	0.004	0	0	0	5
PL.52431	PL.52427	B	1/0 AL URD	7.49Y	124.8	0.01	0.20	8.01	5	58	15	97	0.01	0.0	7.098	0.047	0	0	0	5
PL.53785	PL.52431	B	1/0 AL URD	7.49Y	124.8	0.01	0.21	8.01	5	58	15	97	0.00	0.0	7.128	0.030	5	1	1	5
PL.53786	PL.53785	B	1/0 AL URD	7.49Y	124.8	0.01	0.22	5.77	3	42	11	97	0.00	0.0	7.178	0.051	12	3	1	3
PL.52432	PL.53786	B	1/0 AL URD	7.49Y	124.8	0.00	0.22	4.19	2	30	8	97	0.00	0.0	7.216	0.037	0	0	0	2
PL.52433	PL.52432	B	1/0 AL URD	7.49Y	124.8	0.00	0.22	4.19	2	30	8	97	0.00	0.0	7.222	0.006	0	0	0	2
PL.52434	PL.52433	B	1/0 AL URD	7.49Y	124.8	0.00	0.23	4.19	2	30	8	97	0.00	0.0	7.248	0.026	30	8	2	2
PL.52435	PL.52434	B	1/0 AL URD	7.49Y	124.8	0.00	0.23	0.00	0	0	0	100	0.00	0.0	7.249	0.001	0	0	0	0
PL.53787	PL.53785	B	1/0 AL URD	7.49Y	124.8	0.00	0.21	1.55	1	11	3	96	0.00	0.0	7.160	0.032	11	3	1	1
PL.63591	REG35	B	1/0 AL URD	7.52Y	125.4	0.00	-0.36	0.43	0	3	1	95	0.00	0.0	6.308	0.055	3	1	1	1
PL.58304	PL.53566	C	#2 ACSR	7.10Y	118.4	0.00	6.61	9.43	5	65	16	97	0.00	0.0	6.088	0.002	0	0	0	10
PD.8552	PL.58304	C	30T	7.10Y	118.4	0.00	6.61	9.43	0	65	16	97	0.00	0.0	6.088	0.002	0	0	0	10
PL.58305	PD.8552	C	#2 ACSR	7.10Y	118.4	0.01	6.62	9.43	5	65	16	97	0.01	0.0	6.139	0.051	12	3	2	10
PL.58303	PL.58305	C	#1/0 ACSR	7.10Y	118.4	0.00	6.62	1.29	1	9	2	98	0.00	0.0	6.196	0.057	9	2	1	1
PL.58302	PL.58305	C	#2 ACSR	7.10Y	118.4	0.01	6.63	6.41	4	44	11	97	0.00	0.0	6.188	0.049	38	10	6	7
PL.53565	PL.58302	C	#2 ACSR	7.10Y	118.4	0.00	6.63	0.87	0	6	2	95	0.00	0.0	6.265	0.076	6	2	1	1
PL.58296	PL.47077	A	#2 ACSR	7.11Y	118.5	0.00	6.54	6.15	4	42	11	97	0.00	0.0	5.973	0.003	0	0	0	4
PD.8549	PL.58296	A	30T	7.11Y	118.5	0.00	6.54	6.15	0	42	11	97	0.00	0.0	5.973	0.003	0	0	0	4
PL.58297	PD.8549	A	#2 ACSR	7.11Y	118.4	0.01	6.55	6.15	4	42	11	97	0.00	0.0	6.107	0.134	42	11	4	4
PL.58293	PL.47076	C	#2 ACSR	7.12Y	118.6	0.00	6.41	5.32	3	37	9	97	0.00	0.0	5.804	0.002	0	0	0	3
PD.8548	PL.58293	C	30T	7.12Y	118.6	0.00	6.41	5.32	0	37	9	97	0.00	0.0	5.804	0.002	0	0	0	3
PL.58294	PD.8548	C	#2 ACSR	7.12Y	118.6	0.00	6.41	5.32	3	37	9	97	0.00	0.0	5.816	0.012	26	6	2	3
PL.58292	PL.58294	C	#2 ACSR	7.12Y	118.6	0.00	6.41	1.62	1	11	3	96	0.00	0.0	5.855	0.039	11	3	1	1
PL.58288	PL.58287	ABC	#2 ACSR	7.13Y	118.8	0.00	6.21	0.00	0	0	0	100	0.00	0.0	5.688	0.126	0	0	0	0
PL.58052	PL.52793	A	#4 ACSR	7.14Y	119.1	0.00	5.92	13.22	10	92	23	97	0.00	0.0	5.350	0.003	0	0	0	13
PD.8541	PL.58052	A	50T	7.14Y	119.1	0.00	5.92	13.22	0	92	23	97	0.00	0.0	5.350	0.003	0	0	0	13
PL.58053	PD.8541	A	#4 ACSR	7.14Y	119.1	0.02	5.94	13.22	10	92	23	97	0.01	0.0	5.390	0.041	30	8	10	13
PL.58051	PL.58053	A	#2 ACSR	7.14Y	119.1	0.00	5.95	3.87	2	27	7	97	0.00	0.0	5.433	0.043	27	7	2	2

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.58050	PL.58053	A	#4 ACSR	7.14Y	119.1	0.00	5.95	5.00	4	35	9	97	0.00	0.0	5.415	0.025	35	9	1	1
CP.94	PL.52792	ABC	Cap (300)	7.15Y	119.1	0.00	5.87	0.00	0	0	0	100	0.00	0.0	5.280	0.025	0	0	0	0
PL.58229	PL.53936	A	#2 ACSR	7.17Y	119.5	0.00	5.48	0.50	0	3	1	95	0.00	0.0	4.938	0.003	0	0	0	1
PD.8493	PL.58229	A	20T	7.17Y	119.5	0.00	5.48	0.50	0	3	1	95	0.00	0.0	4.938	0.003	0	0	0	1
PL.58230	PD.8493	A	#2 ACSR	7.17Y	119.5	0.00	5.48	0.50	0	3	1	95	0.00	0.0	5.005	0.067	3	1	1	1
PL.58154	PL.47121	A	#4 ACSR	7.20Y	120.0	0.00	5.03	3.59	3	25	6	97	0.00	0.0	4.604	0.003	0	0	0	3
PD.8467	PL.58154	A	50T	7.20Y	120.0	0.00	5.03	3.59	0	25	6	97	0.00	0.0	4.604	0.003	0	0	0	3
PL.63600	PD.8467	A	#4 ACSR	7.20Y	120.0	0.00	5.04	3.59	3	25	6	97	0.00	0.0	4.624	0.020	0	0	0	3
PL.63602	PL.63600	A	#1/0 ACSR	7.20Y	120.0	0.00	5.04	1.62	1	11	3	96	0.00	0.0	4.650	0.026	11	3	2	2
PL.63601	PL.63600	A	#4 ACSR	7.20Y	120.0	0.00	5.04	1.97	2	14	3	98	0.00	0.0	4.657	0.033	14	3	1	1
PL.53638	PL.58152	C	#4 ACSR	7.21Y	120.1	0.00	4.90	2.02	2	14	4	96	0.00	0.0	4.543	0.039	12	3	1	3
PL.53639	PL.53638	C	#4 ACSR	7.21Y	120.1	0.00	4.90	0.35	0	2	1	89	0.00	0.0	4.623	0.080	2	1	2	2
PL.60352	PL.58152	A	#4 ACSR	7.21Y	120.1	0.00	4.90	4.31	3	30	8	97	0.00	0.0	4.508	0.003	0	0	0	2
PD.8960	PL.60352	A	65T	7.21Y	120.1	0.00	4.90	4.31	0	30	8	97	0.00	0.0	4.508	0.003	0	0	0	2
PL.60353	PD.8960	A	#4 ACSR	7.21Y	120.1	0.02	4.91	4.31	3	30	8	97	0.00	0.0	4.592	0.084	0	0	0	2
PL.60349	PL.60353	A	#4 ACSR	7.20Y	120.1	0.01	4.92	4.31	3	30	8	97	0.00	0.0	4.631	0.039	13	3	1	2
PL.46757	PL.60349	A	#4 ACSR	7.20Y	120.1	0.00	4.92	2.47	2	17	4	97	0.00	0.0	4.684	0.053	17	4	1	1
PL.60354	PL.58152	C	#2 ACSR	7.21Y	120.1	0.00	4.90	1.47	1	10	3	96	0.00	0.0	4.508	0.003	0	0	0	1
PD.8961	PL.60354	C	65T	7.21Y	120.1	0.00	4.90	1.47	0	10	3	96	0.00	0.0	4.508	0.003	0	0	0	1
PL.60355	PD.8961	C	#2 ACSR	7.21Y	120.1	0.00	4.90	1.47	1	10	3	96	0.00	0.0	4.591	0.083	10	3	1	1
PL.60350	PL.58152	A	6 A (CWC)	7.21Y	120.1	0.00	4.90	6.03	4	42	11	97	0.00	0.0	4.508	0.003	0	0	0	3
PD.8959	PL.60350	A	65T	7.21Y	120.1	0.00	4.90	6.03	0	42	11	97	0.00	0.0	4.508	0.003	0	0	0	3
PL.60351	PD.8959	A	6 A (CWC)	7.21Y	120.1	0.01	4.90	6.03	4	42	11	97	0.00	0.0	4.551	0.043	42	11	3	3
PL.58146	PL.45138	B	#2 ACSR	7.23Y	120.5	0.00	4.50	0.00	0	0	0	100	0.00	0.0	4.252	0.003	0	0	0	0
PD.8463-B	PL.58146	B	Open	7.23Y	120.5	0.00	4.50	0.00	0	0	0	100	0.00	0.0	4.252	0.003	0	0	0	0
PL.58143	PL.46046	C	#2 ACSR	7.26Y	121.0	0.00	4.03	3.82	2	27	7	97	0.00	0.0	3.958	0.003	0	0	0	3
PD.8458	PL.58143	C	25T	7.26Y	121.0	0.00	4.03	3.82	0	27	7	97	0.00	0.0	3.958	0.003	0	0	0	3
PL.58144	PD.8458	C	#2 ACSR	7.26Y	121.0	0.00	4.04	3.82	2	27	7	97	0.00	0.0	4.008	0.049	13	3	1	3
PL.58140	PL.58144	C	#2 ACSR	7.26Y	121.0	0.00	4.04	2.00	1	14	4	96	0.00	0.0	4.041	0.034	14	4	2	2
PL.58138	PL.46045	C	#2 ACSR	7.26Y	121.1	0.00	3.94	1.13	1	8	2	97	0.00	0.0	3.902	0.002	0	0	0	5
PD.8456	PL.58138	C	25T	7.26Y	121.1	0.00	3.94	1.13	0	8	2	97	0.00	0.0	3.902	0.002	0	0	0	5

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

Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.58139	PD.8456	C	#2 ACSR	7.26Y	121.1	0.00	3.94	1.13	1	8	2	97	0.00	0.0	3.929	0.026	0	0	3	5
PL.58137	PL.58139	C	#2 ACSR	7.26Y	121.1	0.00	3.94	1.07	1	8	2	97	0.00	0.0	3.945	0.016	8	2	2	2
PL.46445	PL.46390	B	#2 ACSR	7.30Y	121.6	0.01	3.40	13.49	8	95	24	97	0.01	0.0	3.604	0.023	23	6	2	10
PL.57806	PL.46445	B	#2 ACSR	7.30Y	121.6	0.01	3.40	10.18	6	72	18	97	0.00	0.0	3.626	0.022	0	0	0	8
PD.8413	PL.57806	B	65T	7.30Y	121.6	0.00	3.40	10.18	0	72	18	97	0.00	0.0	3.626	0.022	0	0	0	8
PL.57809	PD.8413	B	#2 ACSR	7.30Y	121.6	0.01	3.42	10.18	6	72	18	97	0.01	0.0	3.671	0.045	6	2	1	8
PL.59155	PL.57809	B	#2 ACSR	7.29Y	121.6	0.00	3.42	1.86	1	13	3	97	0.00	0.0	3.704	0.033	13	3	1	1
PL.57808	PL.57809	B	#4 ACSR	7.29Y	121.6	0.01	3.43	7.44	6	53	13	97	0.00	0.0	3.707	0.037	18	4	2	6
PL.57807	PL.57808	B	#4 ACSR	7.29Y	121.6	0.01	3.44	4.92	4	35	9	97	0.00	0.0	3.792	0.085	18	5	2	4
PL.46446	PL.57807	B	#4 ACSR	7.29Y	121.6	0.00	3.44	1.11	1	8	2	97	0.00	0.0	3.825	0.033	8	2	1	1
PL.53557	PL.57807	B	#4 ACSR	7.29Y	121.6	0.00	3.44	1.27	1	9	2	98	0.00	0.0	3.826	0.034	9	2	1	1
PL.46439	PL.55993	B	#4 ACSR	7.30Y	121.7	0.01	3.31	6.44	5	46	11	97	0.00	0.0	3.581	0.037	0	0	0	4
PD.7222	PL.46439	B	50T	7.30Y	121.7	0.00	3.31	6.44	0	46	11	97	0.00	0.0	3.581	0.037	0	0	0	4
PL.46440	PD.7222	B	#4 ACSR	7.30Y	121.7	0.00	3.31	6.44	5	46	11	97	0.00	0.0	3.581	0.000	12	3	1	4
PL.46592	PL.46440	B	#4 ACSR	7.30Y	121.7	0.01	3.32	4.74	4	34	8	97	0.00	0.0	3.618	0.037	0	0	0	3
PL.46441	PL.46592	B	#4 ACSR	7.30Y	121.7	0.01	3.33	4.74	4	34	8	97	0.00	0.0	3.655	0.037	10	3	1	3
PL.46442	PL.46441	B	#4 ACSR	7.30Y	121.7	0.01	3.33	3.31	3	23	6	97	0.00	0.0	3.703	0.048	13	3	1	2
PL.46443	PL.46442	B	#4 ACSR	7.30Y	121.7	0.00	3.33	1.45	1	10	3	96	0.00	0.0	3.740	0.037	10	3	1	1
PL.46444	PL.46443	B	#4 ACSR	7.30Y	121.7	0.00	3.33	0.00	0	0	0	100	0.00	0.0	3.804	0.064	0	0	0	0
CP.66	PL.46591	ABC	Cap (300)	7.34Y	122.3	0.00	2.73	0.00	0	0	0	100	0.00	0.0	3.301	0.064	0	0	0	0
PL.46586	PL.53663	A	336 MCM AC	7.38Y	123.0	0.00	2.02	0.01	0	0	0	100	0.00	0.0	3.000	0.000	0	0	0	1
PD.7287	PL.46586	A	30T	7.38Y	123.0	0.00	2.02	0.01	0	0	0	100	0.00	0.0	3.000	0.000	0	0	0	1
PL.46587	PD.7287	A	336 MCM AC	7.38Y	123.0	0.00	2.02	0.01	0	0	0	100	0.00	0.0	3.068	0.068	0	0	1	1
PL.63598	PL.59785	B	1/0 AL URD	7.41Y	123.6	0.01	1.42	1.68	1	12	3	97	0.00	0.0	2.955	0.207	12	3	1	1
PL.63597	PL.63598	B	1/0 AL URD	7.41Y	123.6	0.00	1.42	0.00	0	0	0	100	0.00	0.0	3.125	0.170	0	0	0	0
PL.54702	PL.57790	C	#1/0 ACSR	7.21Y	120.1	0.00	4.89	12.85	6	90	23	97	0.00	0.0	1.696	0.002	0	0	0	8
PD.8153	PL.54702	C	80T	7.21Y	120.1	0.00	4.89	12.85	0	90	23	97	0.00	0.0	1.696	0.002	0	0	0	8
PL.54703	PD.8153	C	#1/0 ACSR	7.20Y	120.1	0.03	4.92	12.85	6	90	23	97	0.01	0.0	1.789	0.092	12	3	2	8
PL.54705	PL.54703	C	#1/0 ACSR	7.20Y	120.1	0.01	4.93	11.14	5	78	20	97	0.01	0.0	1.827	0.038	0	0	0	6
PL.54707	PL.54705	C	#1/0 ACSR	7.20Y	120.1	0.00	4.93	9.33	4	65	16	97	0.00	0.0	1.852	0.026	15	4	1	5
PL.54708	PL.54707	C	#1/0 ACSR	7.20Y	120.1	0.01	4.94	7.23	3	51	13	97	0.00	0.0	1.904	0.051	15	4	1	4

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

Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.54704	PL.54708	C	1/0 AL URD	7.20Y	120.1	0.01	4.95	5.08	3	36	9	97	0.00	0.0	1.955	0.051	13	3	2	3
PL.54700	PL.54704	C	1/0 AL URD	7.20Y	120.0	0.00	4.95	3.20	2	22	6	96	0.00	0.0	2.037	0.083	22	6	1	1
PL.54706	PL.54705	C	6 A (CWC)	7.20Y	120.1	0.00	4.93	1.81	1	13	3	97	0.00	0.0	1.901	0.074	13	3	1	1
PL.57818	PL.57790	ABC	336 MCM AC	7.21Y	120.1	0.00	4.89	0.00	0	0	0	100	0.00	0.0	1.697	0.002	0	0	0	0
PD.8416-A	PL.57818	ABC	Open	7.21Y	120.1	0.00	4.89	0.00	0	0	0	100	0.00	0.0	1.697	0.002	0	0	0	0
PL.45560	PL.45559	C	6 A (CWC)	7.25Y	120.9	0.00	4.14	0.00	0	0	0	100	0.00	0.0	1.423	0.003	0	0	0	0
PD.7194	PL.45560	C	40T	7.25Y	120.9	0.00	4.14	0.00	0	0	0	100	0.00	0.0	1.423	0.003	0	0	0	0
PL.45561	PD.7194	C	6 A (CWC)	7.25Y	120.9	0.00	4.14	0.00	0	0	0	100	0.00	0.0	1.506	0.083	0	0	0	0
PL.47029	PL.46364	C	6 A (CWC)	7.30Y	121.7	0.00	3.34	3.46	2	25	6	97	0.00	0.0	1.134	0.002	0	0	0	4
PD.7261	PL.47029	C	100T	7.30Y	121.7	0.00	3.34	3.46	0	25	6	97	0.00	0.0	1.134	0.002	0	0	0	4
PL.47030	PD.7261	C	6 A (CWC)	7.30Y	121.7	0.00	3.34	3.46	2	25	6	97	0.00	0.0	1.149	0.015	0	0	0	4
PL.65300	PL.47030	C	6 A (CWC)	7.30Y	121.7	0.01	3.35	3.46	2	25	6	97	0.00	0.0	1.190	0.041	0	0	0	4
PL.65301	PL.65300	C	6 A (CWC)	7.30Y	121.7	0.00	3.35	3.46	2	25	6	97	0.00	0.0	1.190	0.000	0	0	0	4
PL.54830	PL.65301	C	6 A (CWC)	7.30Y	121.6	0.01	3.36	3.46	2	25	6	97	0.00	0.0	1.271	0.080	0	0	0	4
PL.47009	PL.54830	C	6 A (CWC)	7.30Y	121.6	0.02	3.38	2.20	2	16	4	97	0.00	0.0	1.470	0.199	0	0	1	3
PL.47010	PL.47009	C	6 A (CWC)	7.30Y	121.6	0.01	3.39	2.20	2	16	4	97	0.00	0.0	1.547	0.077	0	0	0	2
PL.47011	PL.47010	C	6 A (CWC)	7.30Y	121.6	0.00	3.39	2.20	2	16	4	97	0.00	0.0	1.547	0.000	0	0	0	2
PL.54680	PL.47011	C	6 A (CWC)	7.30Y	121.6	0.00	3.39	2.20	2	16	4	97	0.00	0.0	1.610	0.063	15	4	1	2
PL.54681	PL.54680	C	6 A (CWC)	7.30Y	121.6	0.00	3.39	0.01	0	0	0	100	0.00	0.0	1.673	0.063	0	0	1	1
PL.54852	PL.54830	C	6 A (CWC)	7.30Y	121.6	0.00	3.36	1.26	1	9	2	98	0.00	0.0	1.335	0.064	9	2	1	1
PL.45103	PL.46363	C	6 A (CWC)	7.31Y	121.9	0.00	3.15	0.00	0	0	0	100	0.00	0.0	1.067	0.002	0	0	0	0
PD.7225	PL.45103	C	60QA	7.31Y	121.9	0.00	3.15	0.00	0	0	0	100	0.00	0.0	1.067	0.002	0	0	0	0
PL.45104	PD.7225	C	6 A (CWC)	7.31Y	121.9	0.00	3.15	0.00	0	0	0	100	0.00	0.0	1.164	0.097	0	0	0	0
PL.56178	PL.56177	C	6 A (CWC)	7.42Y	123.7	0.00	1.33	7.58	5	55	14	97	0.00	0.0	0.432	0.000	0	0	0	5
PD.7279	PL.56178	C	40T	7.42Y	123.7	0.00	1.33	7.58	0	55	14	97	0.00	0.0	0.432	0.000	0	0	0	5
PL.46024	PD.7279	C	6 A (CWC)	7.42Y	123.6	0.02	1.35	7.58	5	55	14	97	0.00	0.0	0.501	0.068	37	9	3	5
PL.46843	PL.46024	C	6 A (CWC)	7.42Y	123.6	0.00	1.35	2.39	2	17	4	97	0.00	0.0	0.554	0.053	17	4	2	2
PL.54458	PL.54456	B	#1/0 ACSR	7.44Y	124.0	0.00	1.02	4.06	2	29	7	97	0.00	0.0	0.331	0.002	0	0	0	2
PD.8156	PL.54458	B	140T	7.44Y	124.0	0.00	1.02	4.06	0	29	7	97	0.00	0.0	0.331	0.002	0	0	0	2
PL.54459	PD.8156	B	#1/0 ACSR	7.44Y	124.0	0.00	1.02	4.06	2	29	7	97	0.00	0.0	0.345	0.015	29	7	2	2
PL.54457	PL.54456	B	6 A (CWC)	7.44Y	124.0	0.00	1.02	25.14	18	181	46	97	0.00	0.0	0.330	0.001	0	0	0	29

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.6995	PL.54457	B	40T	7.44Y	124.0	0.00	1.02	25.14	0	181	46	97	0.00	0.0	0.330	0.001	0	0	0	29
PL.46617	PD.6995	B	6 A (CWC)	7.43Y	123.9	0.06	1.09	25.14	18	181	46	97	0.08	0.0	0.390	0.061	41	10	6	29
PL.46618	PL.46617	B	6 A (CWC)	7.43Y	123.9	0.05	1.14	19.50	14	141	35	97	0.06	0.0	0.451	0.061	0	0	0	23
PL.46410	PL.46618	B	6 A (CWC)	7.43Y	123.8	0.03	1.17	14.23	10	103	26	97	0.02	0.0	0.504	0.053	6	1	1	17
PL.46620	PL.46410	B	6 A (CWC)	7.43Y	123.8	0.05	1.22	13.43	10	97	24	97	0.04	0.0	0.586	0.082	0	0	0	16
PL.46018	PL.46620	B	6 A (CWC)	7.42Y	123.7	0.05	1.27	12.96	9	93	23	97	0.03	0.0	0.668	0.082	10	3	1	12
PL.54684	PL.46018	B	6 A (CWC)	7.42Y	123.7	0.00	1.27	0.00	0	0	0	100	0.00	0.0	0.706	0.038	0	0	0	0
PL.46187	PL.46018	B	6 A (CWC)	7.42Y	123.7	0.04	1.31	10.95	8	79	20	97	0.03	0.0	0.755	0.087	0	0	0	9
PL.46020	PL.46187	B	6 A (CWC)	7.42Y	123.6	0.05	1.37	7.49	5	54	14	97	0.02	0.0	0.932	0.178	11	3	1	6
PL.46021	PL.46020	B	6 A (CWC)	7.42Y	123.6	0.01	1.37	5.98	4	43	11	97	0.00	0.0	0.960	0.028	13	3	1	5
PL.46986	PL.46021	B	6 A (CWC)	7.42Y	123.6	0.03	1.40	2.59	2	19	5	97	0.00	0.0	1.200	0.240	0	0	0	3
PL.46987	PL.46986	B	6 A (CWC)	7.42Y	123.6	0.01	1.41	2.13	2	15	4	97	0.00	0.0	1.269	0.069	0	0	0	2
PL.60584	PL.46987	B	#1/0 ACSR	7.42Y	123.6	0.00	1.41	2.13	1	15	4	97	0.00	0.0	1.356	0.087	15	4	2	2
PL.66237	PL.60584	B	1/0 AL URD	7.42Y	123.6	0.00	1.41	0.00	0	0	0	100	0.00	0.0	1.413	0.057	0	0	0	0
PL.66238	PL.66237	B	1/0 AL URD	7.42Y	123.6	0.00	1.41	0.00	0	0	0	100	0.00	0.0	1.484	0.071	0	0	0	0
PL.66239	PL.66238	B	1/0 AL URD	7.42Y	123.6	0.00	1.41	0.00	0	0	0	100	0.00	0.0	1.510	0.026	0	0	0	0
PL.66240	PL.66239	B	1/0 AL URD	7.42Y	123.6	0.00	1.41	0.00	0	0	0	100	0.00	0.0	1.530	0.020	0	0	0	0
PL.46989	PL.46986	B	6 A (CWC)	7.42Y	123.6	0.00	1.40	0.46	0	3	1	95	0.00	0.0	1.255	0.055	3	1	1	1
PL.54686	PL.46021	B	#2 ACSR	7.42Y	123.6	0.00	1.37	1.55	1	11	3	96	0.00	0.0	1.014	0.054	11	3	1	1
PL.54687	PL.54686	B	#1/0 ACSR	7.42Y	123.6	0.00	1.37	0.00	0	0	0	100	0.00	0.0	1.124	0.110	0	0	0	0
PL.54763	PL.46187	B	6 A (CWC)	7.42Y	123.7	0.01	1.33	3.46	2	25	6	97	0.00	0.0	0.838	0.083	0	0	0	3
PL.58378	PL.54763	B	6 A (CWC)	7.42Y	123.7	0.00	1.33	2.63	2	19	5	97	0.00	0.0	0.840	0.002	0	0	0	2
PD.8612	PL.58378	B	12T	7.42Y	123.7	0.00	1.33	2.63	0	19	5	97	0.00	0.0	0.840	0.002	0	0	0	2
PL.58379	PD.8612	B	6 A (CWC)	7.42Y	123.6	0.05	1.37	2.63	2	19	5	97	0.01	0.0	1.229	0.389	0	0	0	2
PL.54877	PL.58379	B	6 A (CWC)	7.42Y	123.6	0.00	1.38	2.63	2	19	5	97	0.00	0.0	1.300	0.071	19	5	2	2
PL.54851	PL.54877	B	6 A (CWC)	7.42Y	123.6	0.00	1.38	0.00	0	0	0	100	0.00	0.0	1.389	0.089	0	0	0	0
PL.58377	PL.54763	B	6 A (CWC)	7.42Y	123.7	0.00	1.33	0.83	1	6	2	95	0.00	0.0	0.887	0.049	6	2	1	1
PL.45940	PL.46018	B	6 A (CWC)	7.42Y	123.7	0.00	1.27	0.07	0	0	0	100	0.00	0.0	0.766	0.099	0	0	0	1
PL.45941	PL.45940	B	6 A (CWC)	7.42Y	123.7	0.00	1.27	0.00	0	0	0	100	0.00	0.0	0.832	0.066	0	0	0	0
PL.46000	PL.45940	B	#4 ACSR	7.42Y	123.7	0.00	1.27	0.07	0	0	0	100	0.00	0.0	0.861	0.094	0	0	1	1
PL.46237	PL.46018	B	#2 ACSR	7.42Y	123.7	0.00	1.27	0.50	0	4	1	97	0.00	0.0	0.722	0.054	4	1	1	1

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

Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.46019	PL.46620	B	6 A (CWC)	7.43Y	123.8	0.00	1.22	0.47	0	3	1	95	0.00	0.0	0.588	0.002	0	0	0	4
PD.6999	PL.46019	B	50T	7.43Y	123.8	0.00	1.22	0.47	0	3	1	95	0.00	0.0	0.588	0.002	0	0	0	4
PL.54685	PD.6999	B	6 A (CWC)	7.43Y	123.8	0.00	1.22	0.47	0	3	1	95	0.00	0.0	0.633	0.045	3	1	4	4
PL.45999	PL.46618	B	6 A (CWC)	7.43Y	123.9	0.00	1.14	1.29	1	9	2	98	0.00	0.0	0.493	0.041	9	2	2	2
PL.46619	PL.46618	B	6 A (CWC)	7.43Y	123.9	0.00	1.14	3.97	3	29	7	97	0.00	0.0	0.475	0.024	2	1	1	4
PL.54918	PL.46619	B	6 A (CWC)	7.43Y	123.9	0.00	1.15	3.63	3	26	7	97	0.00	0.0	0.496	0.021	17	4	2	3
PL.62957	PL.54918	B	6 A (CWC)	7.43Y	123.9	0.00	1.15	1.31	1	9	2	98	0.00	0.0	0.505	0.010	0	0	0	1
PL.62958	PL.62957	B	#1/0 ACSR	7.43Y	123.9	0.00	1.15	1.31	1	9	2	98	0.00	0.0	0.517	0.012	0	0	0	1
PL.58753	PL.62958	B	1/0 AL URD	7.43Y	123.9	0.00	1.15	1.31	1	9	2	98	0.00	0.0	0.565	0.048	9	2	1	1
PL.57993	PL.46727	ABC	#2 ACSR	7.47Y	124.6	0.00	0.43	5.56	3	117	44	94	0.00	0.0	0.156	0.021	0	0	0	6
PD.8401	PL.57993	ABC	100T	7.47Y	124.6	0.00	0.43	5.56	0	117	44	94	0.00	0.0	0.156	0.021	0	0	0	6
PL.57994	PD.8401	ABC	#2 ACSR	7.47Y	124.6	0.01	0.44	5.56	3	117	44	94	0.01	0.0	0.234	0.078	32	8	3	6
PL.45831	PL.57994	ABC	#2 ACSR	7.47Y	124.6	0.00	0.44	4.11	2	85	36	92	0.00	0.0	0.309	0.074	61	29	1	3
PL.45832	PL.45831	ABC	#2 ACSR	7.47Y	124.6	0.00	0.44	0.51	0	11	3	96	0.00	0.0	0.358	0.050	11	3	1	1
PL.45833	PL.45831	A	#1/0 ACSR	7.47Y	124.6	0.00	0.44	1.83	1	13	3	97	0.00	0.0	0.309	0.000	0	0	0	1
PD.7189	PL.45833	A	40QA	7.47Y	124.6	0.00	0.44	1.83	5	13	3	97	0.00	0.0	0.309	0.000	0	0	0	1
PL.45834	PD.7189	A	#1/0 ACSR	7.47Y	124.6	0.00	0.44	1.83	1	13	3	97	0.00	0.0	0.380	0.071	13	3	1	1
PL.52870	Campground	ABC	336 MCM AC	7.50Y	125.0	0.01	0.01	330.18	64	7050	2343	95	0.18	0.0	0.002	0.002	0	0	0	938
PL.52875	PL.52870	ABC	336 MCM AC	7.50Y	125.0	0.01	0.01	330.18	64	7050	2343	95	0.25	0.0	0.005	0.003	0	0	0	938
---------- Feeder No. 2 (Campground F2) Beginning with Device PD.7982 ----------																				
PD.7982	PL.52875	ABC	480VWE	7.50Y	125.0	0.00	0.01	330.18	0	7049	2342	95	0.00	0.0	0.005	0.003	0	0	0	938
PL.45835	PD.7982	ABC	336 MCM AC	7.50Y	124.9	0.07	0.08	330.18	64	7049	2342	95	2.48	0.0	0.032	0.027	22	6	2	938
PL.45129	PL.45835	ABC	336 MCM AC	7.49Y	124.8	0.14	0.23	329.18	63	7025	2331	95	5.03	0.1	0.087	0.055	28	7	6	936
PL.45130	PL.45129	ABC	336 MCM AC	7.47Y	124.5	0.32	0.54	327.89	63	6992	2312	95	11.20	0.2	0.211	0.124	0	0	0	930
PL.44726	PL.45130	ABC	336 MCM AC	7.46Y	124.3	0.17	0.72	325.12	63	6920	2271	95	5.96	0.1	0.278	0.067	21	5	2	924
PL.54849	PL.44726	ABC	336 MCM AC	7.45Y	124.1	0.17	0.88	324.17	62	6894	2252	95	5.86	0.1	0.344	0.066	13	3	1	922
PL.54850	PL.54849	ABC	336 MCM AC	7.44Y	124.0	0.10	0.98	323.57	62	6875	2235	95	3.49	0.1	0.384	0.040	0	0	1	921
PL.46351	PL.54850	ABC	336 MCM AC	7.33Y	122.2	1.84	2.82	323.57	62	6871	2227	95	64.68	0.9	1.117	0.733	0	0	0	920
PL.47054	PL.46351	ABC	336 MCM AC	7.33Y	122.1	0.07	2.89	319.17	61	6713	2052	96	2.57	0.0	1.147	0.030	6	2	1	908

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: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.46764	PL.47054	ABC	336 MCM AC	7.29Y	121.5	0.56	3.45	318.88	61	6704	2045	96	19.57	0.3	1.375	0.229	0	0	0	907
PL.46767	PL.46764	ABC	336 MCM AC	7.27Y	121.2	0.34	3.79	318.46	61	6675	1997	96	11.97	0.2	1.516	0.140	8	2	2	906
PL.47057	PL.46767	A	6 A (CWC)	7.27Y	121.2	0.00	3.79	3.21	2	23	6	97	0.00	0.0	1.516	0.000	0	0	0	3
PD.7007	PL.47057	A	75QA	7.27Y	121.2	0.00	3.79	3.21	4	23	6	97	0.00	0.0	1.516	0.000	0	0	0	3
PL.54451	PD.7007	A	6 A (CWC)	7.27Y	121.2	0.01	3.80	3.21	2	23	6	97	0.00	0.0	1.570	0.054	6	2	1	3
PL.54452	PL.54451	A	#1/0 ACSR	7.27Y	121.2	0.00	3.80	2.30	1	16	4	97	0.00	0.0	1.620	0.050	8	2	1	2
PL.54453	PL.54452	A	#1/0 ACSR	7.27Y	121.2	0.00	3.80	1.22	1	9	2	98	0.00	0.0	1.770	0.150	9	2	1	1
PL.57721	PL.46767	ABC	336 MCM AC	7.27Y	121.2	0.06	3.85	317.02	61	6633	1961	96	2.05	0.0	1.540	0.024	10	3	1	901
PL.57722	PL.57721	ABC	336 MCM AC	7.26Y	121.1	0.09	3.94	316.52	61	6620	1954	96	3.28	0.0	1.579	0.039	0	0	0	900
PL.47058	PL.57722	ABC	336 MCM AC	7.26Y	121.0	0.10	4.04	307.58	59	6428	1898	96	3.50	0.1	1.623	0.044	0	0	0	881
PL.47060	PL.47058	A	#1/0 ACSR	7.26Y	121.0	0.00	4.04	1.60	1	11	3	96	0.00	0.0	1.623	0.001	0	0	0	1
PD.7008	PL.47060	A	75QA	7.26Y	121.0	0.00	4.04	1.60	2	11	3	96	0.00	0.0	1.623	0.001	0	0	0	1
PL.46709	PD.7008	A	#1/0 ACSR	7.26Y	121.0	0.00	4.04	1.60	1	11	3	96	0.00	0.0	1.674	0.051	11	3	1	1
PL.47059	PL.47058	ABC	336 MCM AC	7.23Y	120.6	0.38	4.43	307.05	59	6413	1887	96	13.07	0.2	1.787	0.165	0	0	0	880
PL.46327	PL.47059	ABC	336 MCM AC	7.21Y	120.2	0.36	4.79	295.34	57	6154	1794	96	11.90	0.2	1.950	0.162	22	5	2	845
PL.56147	PL.46327	ABC	336 MCM AC	7.19Y	119.9	0.32	5.11	293.53	57	6104	1757	96	10.65	0.2	2.097	0.147	22	6	3	839
PL.56152	PL.56147	ABC	336 MCM AC	7.19Y	119.8	0.05	5.16	292.37	56	6069	1726	96	1.53	0.0	2.118	0.021	4	1	2	835
PL.56151	PL.56152	ABC	336 MCM AC	7.19Y	119.8	0.07	5.23	292.16	56	6063	1721	96	2.40	0.0	2.151	0.033	10	3	2	833
PL.56150	PL.56151	C	6 A (CWC)	7.19Y	119.8	0.00	5.23	1.14	1	8	2	97	0.00	0.0	2.155	0.004	0	0	0	1
PD.8231	PL.56150	C	75QA	7.19Y	119.8	0.00	5.23	1.14	2	8	2	97	0.00	0.0	2.155	0.004	0	0	0	1
PL.56145	PD.8231	C	6 A (CWC)	7.19Y	119.8	0.00	5.23	1.14	1	8	2	97	0.00	0.0	2.206	0.051	8	2	1	1
PL.56072	PL.56151	ABC	336 MCM AC	7.18Y	119.6	0.13	5.36	291.29	56	6042	1711	96	4.23	0.1	2.211	0.059	10	2	1	830
PL.56073	PL.56072	ABC	336 MCM AC	7.17Y	119.6	0.09	5.44	290.82	56	6028	1699	96	2.81	0.0	2.250	0.039	13	3	1	829
PL.55915	PL.56073	ABC	336 MCM AC	7.16Y	119.4	0.17	5.62	290.21	56	6013	1689	96	5.72	0.1	2.331	0.081	11	3	1	828
PL.46479	PL.55915	ABC	336 MCM AC	7.15Y	119.2	0.17	5.79	289.68	56	5996	1673	96	5.67	0.1	2.411	0.080	3	1	1	827
PL.56565	PL.46479	ABC	336 MCM AC	7.14Y	119.1	0.14	5.93	230.83	44	4767	1345	96	3.64	0.1	2.492	0.081	14	4	1	658
PL.56566	PL.56565	A	#4 ACSR	7.14Y	119.1	0.00	5.93	1.58	1	11	3	96	0.00	0.0	2.496	0.004	0	0	0	2
PD.8309	PL.56566	A	75QA	7.14Y	119.1	0.00	5.93	1.58	2	11	3	96	0.00	0.0	2.496	0.004	0	0	0	2
PL.56569	PD.8309	A	#4 ACSR	7.14Y	119.1	0.00	5.93	1.58	1	11	3	96	0.00	0.0	2.554	0.058	11	3	2	2
PL.56567	PL.56565	ABC	336 MCM AC	7.14Y	119.0	0.09	6.02	229.62	44	4738	1330	96	2.28	0.0	2.544	0.052	30	8	4	655
PL.56568	PL.56567	ABC	336 MCM AC	7.13Y	118.9	0.07	6.09	227.62	44	4694	1314	96	1.84	0.0	2.586	0.042	8	2	1	650

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.52103	PL.56568	A	6 A (CWC)	7.13Y	118.9	0.00	6.09	3.77	3	26	7	97	0.00	0.0	2.586	0.000	0	0	0	2
PD.7013	PL.52103	A	75QA	7.13Y	118.9	0.00	6.09	3.77	5	26	7	97	0.00	0.0	2.586	0.000	0	0	0	2
PL.45934	PD.7013	A	6 A (CWC)	7.13Y	118.9	0.01	6.10	3.77	3	26	7	97	0.00	0.0	2.648	0.061	18	4	1	2
PL.45933	PL.45934	A	6 A (CWC)	7.13Y	118.9	0.00	6.10	1.24	1	9	2	98	0.00	0.0	2.745	0.097	9	2	1	1
PL.52243	PL.56568	ABC	336 MCM AC	7.13Y	118.9	0.00	6.09	201.39	39	4148	1171	96	0.01	0.0	2.586	0.000	0	0	0	580
RG.56	PL.52243	ABC	250kva	7.46Y	124.3	-5.44	0.65	201.39	61	4148	1171	96	percent Boost= 4.38 Tap= 7.0							580
PL.52244	RG.56	ABC	336 MCM AC	7.46Y	124.3	0.06	0.71	192.58	37	4148	1171	96	1.20	0.0	2.625	0.039	11	3	2	580
PL.52107	PL.52244	ABC	336 MCM AC	7.45Y	124.2	0.06	0.76	192.09	37	4137	1165	96	1.20	0.0	2.664	0.039	0	0	0	578
PL.52108	PL.52107	ABC	336 MCM AC	7.45Y	124.2	0.03	0.79	192.09	37	4135	1162	96	0.56	0.0	2.682	0.018	23	6	4	578
PL.52109	PL.52108	ABC	336 MCM AC	7.45Y	124.1	0.09	0.88	189.36	36	4076	1146	96	2.01	0.0	2.749	0.067	13	3	1	570
PL.52777	PL.52109	ABC	336 MCM AC	7.45Y	124.1	0.02	0.91	187.79	36	4040	1133	96	0.51	0.0	2.766	0.017	0	0	0	566
PL.52778	PL.52777	ABC	336 MCM AC	7.45Y	124.1	0.00	0.91	187.79	36	4039	1132	96	0.05	0.0	2.767	0.002	0	0	0	566
PL.53281	PL.52778	ABC	336 MCM AC	7.44Y	124.0	0.04	0.95	187.79	36	4039	1132	96	0.94	0.0	2.799	0.032	3	1	1	566
PL.53280	PL.53281	ABC	336 MCM AC	7.44Y	124.0	0.07	1.02	187.64	36	4035	1129	96	1.42	0.0	2.847	0.048	0	0	0	565
PL.56076	PL.53280	C	#4 ACSR	7.44Y	124.0	0.00	1.02	5.58	4	40	10	97	0.00	0.0	2.848	0.001	0	0	0	6
PD.8299	PL.56076	C	75QA	7.44Y	124.0	0.00	1.02	5.58	7	40	10	97	0.00	0.0	2.848	0.001	0	0	0	6
PL.56077	PD.8299	C	#4 ACSR	7.44Y	124.0	0.01	1.03	5.58	4	40	10	97	0.00	0.0	2.896	0.048	17	4	3	6
PL.56078	PL.56077	C	#4 ACSR	7.44Y	124.0	0.01	1.04	3.17	2	23	6	97	0.00	0.0	2.945	0.050	0	0	0	3
PL.56375	PL.56078	C	#1/0 ACSR	7.44Y	124.0	0.00	1.04	3.17	1	23	6	97	0.00	0.0	2.963	0.017	11	3	1	3
PL.56376	PL.56375	C	#1/0 ACSR	7.44Y	124.0	0.00	1.04	1.69	1	12	3	97	0.00	0.0	2.987	0.024	12	3	2	2
PL.53286	PL.53280	ABC	336 MCM AC	7.43Y	123.9	0.07	1.09	185.47	36	3986	1114	96	1.55	0.0	2.901	0.054	0	0	0	558
PL.53285	PL.53286	C	6 A (CWC)	7.43Y	123.9	0.00	1.09	37.16	27	268	67	97	0.00	0.0	2.901	0.000	0	0	0	40
PD.7963	PL.53285	C	75QA	7.43Y	123.9	0.00	1.09	37.16	50	268	67	97	0.00	0.0	2.901	0.000	0	0	0	40
PL.53284	PD.7963	C	6 A (CWC)	7.43Y	123.9	0.04	1.14	37.16	27	268	67	97	0.08	0.0	2.929	0.028	49	12	4	40
PL.53283	PL.53284	C	6 A (CWC)	7.43Y	123.8	0.08	1.22	30.36	22	219	55	97	0.13	0.1	2.993	0.065	23	6	4	36
PL.46382	PL.53283	C	6 A (CWC)	7.43Y	123.8	0.02	1.24	20.61	15	148	37	97	0.02	0.0	3.012	0.018	7	2	1	26
PL.60478	PL.46382	C	#4 ACSR	7.43Y	123.8	0.00	1.24	5.47	4	39	10	97	0.00	0.0	3.015	0.003	0	0	0	5
PD.9004	PL.60478	C	30T	7.43Y	123.8	0.00	1.24	5.47	0	39	10	97	0.00	0.0	3.015	0.003	0	0	0	5
PL.60479	PD.9004	C	#4 ACSR	7.42Y	123.7	0.03	1.27	5.47	4	39	10	97	0.01	0.0	3.163	0.148	4	1	1	5
PL.55650	PL.60479	C	#4 ACSR	7.42Y	123.7	0.01	1.28	4.90	4	35	9	97	0.00	0.0	3.207	0.044	10	3	1	4
PL.55651	PL.55650	C	#4 ACSR	7.42Y	123.7	0.00	1.28	0.00	0	0	0	100	0.00	0.0	3.226	0.019	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: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.55649	PL.55651	C	#4 ACSR	7.42Y	123.7	0.00	1.28	0.00	0	0	0	100	0.00	0.0	3.307	0.081	0	0	0	0
PL.57877	PL.55650	C	6 A (CWC)	7.42Y	123.7	0.00	1.28	3.48	2	25	6	97	0.00	0.0	3.230	0.023	17	4	2	3
PL.57878	PL.57877	C	6 A (CWC)	7.42Y	123.7	0.00	1.28	1.09	1	8	2	97	0.00	0.0	3.292	0.063	8	2	1	1
PL.60480	PL.46382	C	6 A (CWC)	7.43Y	123.8	0.00	1.24	14.20	10	102	26	97	0.00	0.0	3.015	0.003	0	0	0	20
PD.9005	PL.60480	C	25T	7.43Y	123.8	0.00	1.24	14.20	0	102	26	97	0.00	0.0	3.015	0.003	0	0	0	20
PL.60481	PD.9005	C	6 A (CWC)	7.43Y	123.8	0.01	1.25	14.20	10	102	26	97	0.01	0.0	3.037	0.022	56	14	10	20
PL.57971	PL.60481	C	6 A (CWC)	7.42Y	123.7	0.02	1.27	6.39	5	46	12	97	0.01	0.0	3.110	0.073	18	4	4	10
PL.56284	PL.57971	C	#1/0 ACSR	7.42Y	123.7	0.00	1.27	1.42	1	10	3	96	0.00	0.0	3.125	0.015	10	3	1	2
PL.56285	PL.56284	C	#1/0 ACSR	7.42Y	123.7	0.00	1.27	0.00	0	0	0	100	0.00	0.0	3.161	0.036	0	0	1	1
PL.56283	PL.57971	C	6 A (CWC)	7.42Y	123.7	0.01	1.27	2.52	2	18	5	96	0.00	0.0	3.170	0.060	0	0	1	4
PL.46383	PL.56283	C	6 A (CWC)	7.42Y	123.7	0.00	1.28	2.49	2	18	5	96	0.00	0.0	3.192	0.022	9	2	1	3
PL.46512	PL.46383	C	6 A (CWC)	7.42Y	123.7	0.00	1.28	1.25	1	9	2	98	0.00	0.0	3.269	0.077	7	2	1	2
PL.55648	PL.46512	C	6 A (CWC)	7.42Y	123.7	0.00	1.28	0.34	0	2	1	89	0.00	0.0	3.319	0.050	2	1	1	1
PL.60476	PL.53283	C	6 A (CWC)	7.43Y	123.8	0.00	1.22	5.12	4	37	9	97	0.00	0.0	2.997	0.004	0	0	0	5
PD.9003	PL.60476	C	30T	7.43Y	123.8	0.00	1.22	5.12	0	37	9	97	0.00	0.0	2.997	0.004	0	0	0	5
PL.60477	PD.9003	C	6 A (CWC)	7.43Y	123.8	0.00	1.22	5.12	4	37	9	97	0.00	0.0	3.011	0.014	8	2	2	5
PL.64781	PL.60477	C	6 A (CWC)	7.43Y	123.8	0.01	1.23	4.01	3	29	7	97	0.00	0.0	3.054	0.043	0	0	0	3
PL.64782	PL.64781	C	6 A (CWC)	7.43Y	123.8	0.00	1.23	4.01	3	29	7	97	0.00	0.0	3.054	0.000	21	5	2	3
PL.56374	PL.64782	C	6 A (CWC)	7.43Y	123.8	0.00	1.23	1.13	1	8	2	97	0.00	0.0	3.130	0.076	8	2	1	1
PL.60474	PL.53283	C	#2 ACSR	7.43Y	123.8	0.00	1.22	1.39	1	10	3	96	0.00	0.0	2.997	0.003	0	0	0	1
PD.9002	PL.60474	C	30T	7.43Y	123.8	0.00	1.22	1.39	0	10	3	96	0.00	0.0	2.997	0.003	0	0	0	1
PL.60475	PD.9002	C	#2 ACSR	7.43Y	123.8	0.00	1.22	1.39	1	10	3	96	0.00	0.0	3.014	0.018	10	3	1	1
PL.60573	PL.53286	ABC	336 MCM AC	7.43Y	123.8	0.10	1.19	173.09	33	3717	1042	96	1.94	0.1	2.977	0.077	0	0	0	518
PD.9043-A	PL.60573	ABC	Closed	7.43Y	123.8	0.00	1.19	173.09	0	3715	1038	96	0.00	0.0	2.977	0.077	0	0	0	518
PD.9043-B	PD.9043-A	ABC	Closed	7.43Y	123.8	0.00	1.19	173.09	0	3715	1038	96	0.00	0.0	2.977	0.077	0	0	0	518
PL.60574	PD.9043-B	ABC	336 MCM AC	7.42Y	123.7	0.10	1.29	173.09	33	3715	1038	96	1.83	0.0	3.056	0.078	284	137	2	518
PL.56582	PL.60574	ABC	336 MCM AC	7.42Y	123.7	0.01	1.30	159.18	31	3429	896	97	0.20	0.0	3.065	0.009	7	3	1	516
PL.56581	PL.56582	ABC	336 MCM AC	7.42Y	123.7	0.05	1.35	158.85	31	3423	893	97	0.86	0.0	3.105	0.040	16	4	4	515
PL.60282	PL.56581	ABC	336 MCM AC	7.42Y	123.7	0.00	1.35	145.63	28	3136	818	97	0.06	0.0	3.109	0.003	0	0	0	474
PD.8878-A	PL.60282	ABC	Closed	7.42Y	123.7	0.00	1.35	145.63	0	3136	818	97	0.00	0.0	3.109	0.003	0	0	0	474
PD.8878-B	PD.8878-A	ABC	Closed	7.42Y	123.7	0.00	1.35	145.63	0	3136	818	97	0.00	0.0	3.109	0.003	0	0	0	474

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: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.60283	PD.8878-B	ABC	336 MCM AC	7.42Y	123.6	0.05	1.40	145.63	28	3136	818	97	0.91	0.0	3.160	0.051	0	0	0	474
PL.56182	PL.60283	ABC	336 MCM AC	7.41Y	123.6	0.03	1.43	145.63	28	3135	816	97	0.50	0.0	3.187	0.028	0	0	0	474
PL.56570	PL.56182	ABC	#1/0 ACSR	7.41Y	123.5	0.03	1.46	40.20	17	867	220	97	0.16	0.0	3.224	0.037	0	0	1	136
PL.60596	PL.56570	A	#1/0 ACSR	7.41Y	123.5	0.00	1.46	1.24	1	9	2	98	0.00	0.0	3.226	0.002	0	0	0	1
PD.9047	PL.60596	A	20T	7.41Y	123.5	0.00	1.46	1.24	0	9	2	98	0.00	0.0	3.226	0.002	0	0	0	1
PL.60597	PD.9047	A	#1/0 ACSR	7.41Y	123.5	0.00	1.46	1.24	1	9	2	98	0.00	0.0	3.238	0.012	9	2	1	1
PL.56571	PL.56570	ABC	#1/0 ACSR	7.41Y	123.5	0.03	1.49	39.79	17	857	218	97	0.17	0.0	3.264	0.039	0	0	0	134
PL.56183	PL.56571	ABC	#1/0 ACSR	7.41Y	123.5	0.02	1.51	39.79	17	857	218	97	0.13	0.0	3.295	0.031	0	0	0	134
PL.46754	PL.56183	ABC	#1/0 ACSR	7.41Y	123.5	0.00	1.51	39.79	17	857	218	97	0.01	0.0	3.297	0.002	0	0	0	134
PD.7299	PL.46754	ABC	70L	7.41Y	123.5	0.00	1.51	39.79	57	857	218	97	0.00	0.0	3.297	0.002	0	0	0	134
PL.46755	PD.7299	ABC	#1/0 ACSR	7.41Y	123.4	0.04	1.55	39.79	17	857	218	97	0.26	0.0	3.359	0.061	0	0	0	134
PL.46082	PL.46755	ABC	#1/0 ACSR	7.40Y	123.4	0.06	1.62	38.63	17	832	211	97	0.36	0.0	3.449	0.090	0	0	0	132
PL.46451	PL.46082	A	#4 ACSR	7.40Y	123.4	0.00	1.62	0.93	1	7	2	96	0.00	0.0	3.449	0.001	0	0	0	2
PD.7167	PL.46451	A	40QA	7.40Y	123.4	0.00	1.62	0.93	2	7	2	96	0.00	0.0	3.449	0.001	0	0	0	2
PL.46452	PD.7167	A	#4 ACSR	7.40Y	123.4	0.00	1.62	0.93	1	7	2	96	0.00	0.0	3.513	0.064	0	0	1	2
PL.46450	PL.46452	A	#4 ACSR	7.40Y	123.4	0.00	1.62	0.89	1	6	2	95	0.00	0.0	3.554	0.041	6	2	1	1
PL.56158	PL.46082	ABC	#1/0 ACSR	7.40Y	123.3	0.04	1.65	37.62	16	810	205	97	0.20	0.0	3.503	0.055	8	2	2	129
PL.59408	PL.56158	C	#1/0 ACSR	7.40Y	123.3	0.00	1.65	0.36	0	3	1	95	0.00	0.0	3.507	0.004	0	0	0	2
PD.8766	PL.59408	C	10T	7.40Y	123.3	0.00	1.65	0.36	0	3	1	95	0.00	0.0	3.507	0.004	0	0	0	2
PL.59409	PD.8766	C	#1/0 ACSR	7.40Y	123.3	0.00	1.65	0.36	0	3	1	95	0.00	0.0	3.598	0.091	3	1	2	2
PL.66241	PL.59409	C	#1/0 ACSR	7.40Y	123.3	0.00	1.65	0.00	0	0	0	100	0.00	0.0	3.634	0.036	0	0	0	0
PL.56281	PL.56158	ABC	#1/0 ACSR	7.40Y	123.3	0.02	1.68	37.12	16	799	202	97	0.13	0.0	3.540	0.037	6	2	1	125
PL.56282	PL.56281	ABC	#1/0 ACSR	7.40Y	123.3	0.03	1.71	36.84	16	793	201	97	0.18	0.0	3.589	0.049	0	0	0	124
PL.56275	PL.56282	A	#2 ACSR	7.40Y	123.3	0.00	1.71	5.78	3	41	10	97	0.00	0.0	3.591	0.003	0	0	0	9
PD.8236	PL.56275	A	40QA	7.40Y	123.3	0.00	1.71	5.78	14	41	10	97	0.00	0.0	3.591	0.003	0	0	0	9
PL.56276	PD.8236	A	#2 ACSR	7.40Y	123.3	0.00	1.71	5.78	3	41	10	97	0.00	0.0	3.600	0.008	0	0	0	9
PL.56277	PL.56276	A	#2 ACSR	7.40Y	123.3	0.01	1.72	5.78	3	41	10	97	0.00	0.0	3.646	0.047	0	0	0	9
PL.54874	PL.56277	A	#4 ACSR	7.40Y	123.3	0.00	1.72	2.06	2	15	4	97	0.00	0.0	3.719	0.073	15	4	3	3
PL.56157	PL.56277	A	#2 ACSR	7.40Y	123.3	0.01	1.73	3.72	2	27	7	97	0.00	0.0	3.727	0.081	20	5	2	6
PL.56216	PL.56157	A	#1/0 ACSR	7.40Y	123.3	0.00	1.73	0.92	0	7	2	96	0.00	0.0	3.749	0.022	7	2	4	4
PL.46388	PL.56282	ABC	#1/0 ACSR	7.39Y	123.2	0.07	1.77	33.86	15	728	185	97	0.33	0.0	3.698	0.110	0	0	0	107

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.57869	PL.46388	ABC	#1/0 ACSR	7.39Y	123.2	0.03	1.80	32.76	14	704	178	97	0.13	0.0	3.745	0.047	15	4	3	104
PL.57870	PL.57869	ABC	#1/0 ACSR	7.39Y	123.2	0.04	1.84	32.07	14	690	174	97	0.20	0.0	3.820	0.075	6	2	1	101
PL.54872	PL.57870	A	#4 ACSR	7.39Y	123.2	0.00	1.84	1.32	1	9	2	98	0.00	0.0	3.821	0.001	0	0	0	1
PD.7235	PL.54872	A	40QA	7.39Y	123.2	0.00	1.84	1.32	3	9	2	98	0.00	0.0	3.821	0.001	0	0	0	1
PL.54871	PD.7235	A	#4 ACSR	7.39Y	123.2	0.00	1.85	1.32	1	9	2	98	0.00	0.0	3.866	0.045	9	2	1	1
PL.54873	PL.57870	ABC	#1/0 ACSR	7.39Y	123.1	0.04	1.89	31.34	14	674	170	97	0.19	0.0	3.893	0.073	0	0	0	99
PL.46519	PL.54873	ABC	#1/0 ACSR	7.39Y	123.1	0.03	1.91	31.34	14	673	170	97	0.13	0.0	3.944	0.050	0	0	0	99
PL.59984	PL.46519	A	6 A (CWC)	7.38Y	123.0	0.09	2.00	12.82	9	92	23	97	0.06	0.1	4.112	0.169	16	4	1	10
PL.59985	PL.59984	A	6 A (CWC)	7.38Y	123.0	0.04	2.04	10.58	8	76	19	97	0.02	0.0	4.198	0.085	0	0	0	9
PL.60525	PL.59985	A	6 A (CWC)	7.38Y	123.0	0.00	2.04	3.18	2	23	6	97	0.00	0.0	4.201	0.003	0	0	0	3
PD.8866-A	PL.60525	A	Closed	7.38Y	123.0	0.00	2.04	3.18	0	23	6	97	0.00	0.0	4.201	0.003	0	0	0	3
PD.8866-B	PD.8866-A	A	Closed	7.38Y	123.0	0.00	2.04	3.18	0	23	6	97	0.00	0.0	4.201	0.003	0	0	0	3
PL.60526	PD.8866-B	A	6 A (CWC)	7.38Y	122.9	0.03	2.07	3.18	2	23	6	97	0.00	0.0	4.380	0.179	0	0	0	3
PL.55299	PL.60526	A	6 A (CWC)	7.38Y	122.9	0.01	2.08	2.27	2	16	4	97	0.00	0.0	4.512	0.132	6	1	1	2
PL.55298	PL.55299	A	6 A (CWC)	7.37Y	122.9	0.00	2.09	1.47	1	11	3	96	0.00	0.0	4.562	0.050	0	0	0	1
PL.55301	PL.55298	A	6 A (CWC)	7.37Y	122.9	0.00	2.09	0.00	0	0	0	100	0.00	0.0	4.639	0.077	0	0	0	0
PL.55302	PL.55301	A	6 A (CWC)	7.37Y	122.9	0.00	2.09	0.00	0	0	0	100	0.00	0.0	4.711	0.072	0	0	0	0
PL.55300	PL.55298	A	6 A (CWC)	7.37Y	122.9	0.00	2.09	1.47	1	11	3	96	0.00	0.0	4.579	0.017	11	3	1	1
PL.60527	PL.60526	A	6 A (CWC)	7.38Y	122.9	0.00	2.07	0.91	1	6	2	95	0.00	0.0	4.383	0.003	0	0	0	1
PD.8867	PL.60527	A	30T	7.38Y	122.9	0.00	2.07	0.91	0	6	2	95	0.00	0.0	4.383	0.003	0	0	0	1
PL.60528	PD.8867	A	6 A (CWC)	7.38Y	122.9	0.00	2.07	0.91	1	6	2	95	0.00	0.0	4.434	0.051	6	2	1	1
PL.60523	PL.59985	A	#4 ACSR	7.38Y	123.0	0.00	2.05	7.40	6	53	13	97	0.00	0.0	4.201	0.004	0	0	0	6
PD.8865	PL.60523	A	30T	7.38Y	123.0	0.00	2.05	7.40	0	53	13	97	0.00	0.0	4.201	0.004	0	0	0	6
PL.60524	PD.8865	A	#4 ACSR	7.38Y	122.9	0.02	2.06	7.40	6	53	13	97	0.01	0.0	4.258	0.056	0	0	0	6
PL.55297	PL.60524	A	#4 ACSR	7.37Y	122.9	0.02	2.09	7.40	6	53	13	97	0.01	0.0	4.345	0.087	17	4	2	6
PL.55294	PL.55297	A	#4 ACSR	7.37Y	122.9	0.01	2.10	5.08	4	36	9	97	0.00	0.0	4.424	0.080	16	4	2	4
PL.55295	PL.55294	A	#4 ACSR	7.37Y	122.9	0.01	2.11	2.82	2	20	5	97	0.00	0.0	4.477	0.052	6	2	1	2
PL.55296	PL.55295	A	#4 ACSR	7.37Y	122.9	0.01	2.11	1.98	2	14	4	96	0.00	0.0	4.611	0.135	14	4	1	1
PL.59986	PL.46519	ABC	#1/0 ACSR	7.39Y	123.1	0.00	1.92	27.07	12	581	147	97	0.01	0.0	3.947	0.004	0	0	0	89
PD.9016	PL.59986	ABC	70CodeSMod	7.39Y	123.1	0.00	1.92	27.07	0	581	147	97	0.00	0.0	3.947	0.004	0	0	0	89
PL.60493	PD.9016	ABC	#1/0 ACSR	7.38Y	123.1	0.02	1.94	27.07	12	581	147	97	0.08	0.0	3.990	0.043	0	0	0	89

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.54947	PL.60493	C	1/0 AL URD	7.38Y	123.1	0.00	1.94	6.07	4	43	11	97	0.00	0.0	3.996	0.006	0	0	0	6
PD.8158	PL.54947	C	20QA	7.38Y	123.1	0.00	1.94	6.07	30	43	11	97	0.00	0.0	3.996	0.006	0	0	0	6
PL.54944	PD.8158	C	1/0 AL URD	7.38Y	123.1	0.00	1.94	6.07	4	43	11	97	0.00	0.0	4.015	0.019	8	2	2	6
PL.57668	PL.54944	C	1/0 AL URD	7.38Y	123.0	0.01	1.95	4.94	3	35	9	97	0.00	0.0	4.101	0.086	0	0	0	4
PL.57669	PL.57668	C	1/0 AL URD	7.38Y	123.0	0.00	1.96	4.94	3	35	9	97	0.00	0.0	4.136	0.035	9	2	1	4
PL.57972	PL.57669	C	1/0 AL URD	7.38Y	123.0	0.00	1.96	3.65	2	26	7	97	0.00	0.0	4.156	0.020	0	0	0	3
PL.57670	PL.57972	C	1/0 AL URD	7.38Y	123.0	0.00	1.96	3.65	2	26	7	97	0.00	0.0	4.194	0.038	15	4	2	3
PL.63634	PL.57670	C	1/0 AL URD	7.38Y	123.0	0.00	1.96	1.52	1	11	3	96	0.00	0.0	4.202	0.008	0	0	0	1
PL.63633	PL.63634	C	1/0 AL URD	7.38Y	123.0	0.00	1.96	1.52	1	11	3	96	0.00	0.0	4.210	0.008	11	3	1	1
PL.57674	PL.63633	C	1/0 AL URD	7.38Y	123.0	0.00	1.96	0.00	0	0	0	100	0.00	0.0	4.213	0.003	0	0	0	0
PL.63546	PL.60493	ABC	#1/0 ACSR	7.38Y	123.0	0.02	1.95	14.36	6	308	78	97	0.03	0.0	4.053	0.063	0	0	0	46
PL.63547	PL.63546	ABC	#1/0 ACSR	7.38Y	123.0	0.00	1.95	14.36	6	308	78	97	0.00	0.0	4.053	0.000	14	4	1	46
PL.63548	PL.63547	ABC	#1/0 ACSR	7.38Y	123.0	0.01	1.96	13.70	6	294	74	97	0.02	0.0	4.093	0.040	8	2	1	45
PL.46220	PL.63548	ABC	#1/0 ACSR	7.38Y	123.0	0.02	1.98	13.33	6	286	72	97	0.03	0.0	4.166	0.073	0	0	0	44
PL.54447	PL.46220	A	6 A (CWC)	7.38Y	123.0	0.00	1.98	28.21	20	202	51	97	0.00	0.0	4.168	0.002	0	0	0	29
PD.8155	PL.54447	A	40QA	7.38Y	123.0	0.00	1.98	28.21	71	202	51	97	0.00	0.0	4.168	0.002	0	0	0	29
PL.54448	PD.8155	A	6 A (CWC)	7.38Y	122.9	0.09	2.07	28.21	20	202	51	97	0.14	0.1	4.240	0.072	0	0	0	29
PL.60532	PL.54448	A	#1/0 ACSR	7.38Y	122.9	0.00	2.07	1.77	1	13	3	97	0.00	0.0	4.244	0.004	0	0	0	2
PD.8870	PL.60532	A	20T	7.38Y	122.9	0.00	2.07	1.77	0	13	3	97	0.00	0.0	4.244	0.004	0	0	0	2
PL.60533	PD.8870	A	#1/0 ACSR	7.38Y	122.9	0.00	2.08	1.77	1	13	3	97	0.00	0.0	4.278	0.034	0	0	0	2
PL.54450	PL.60533	A	#1/0 ACSR	7.38Y	122.9	0.00	2.08	1.77	1	13	3	97	0.00	0.0	4.335	0.057	13	3	2	2
PL.66227	PL.54448	A	6 A (CWC)	7.37Y	122.9	0.05	2.12	26.44	19	189	48	97	0.07	0.0	4.281	0.041	0	0	0	27
PL.66228	PL.66227	A	6 A (CWC)	7.37Y	122.8	0.03	2.15	26.44	19	189	48	97	0.04	0.0	4.304	0.023	1	0	1	27
PL.60534	PL.66228	A	#4 ACSR	7.37Y	122.8	0.00	2.15	1.00	1	7	2	96	0.00	0.0	4.307	0.003	0	0	0	1
PD.8871	PL.60534	A	20T	7.37Y	122.8	0.00	2.15	1.00	0	7	2	96	0.00	0.0	4.307	0.003	0	0	0	1
PL.60535	PD.8871	A	#4 ACSR	7.37Y	122.8	0.00	2.15	1.00	1	7	2	96	0.00	0.0	4.388	0.081	0	0	0	1
PL.54679	PL.60535	A	#1/0 ACSR	7.37Y	122.8	0.00	2.16	1.00	0	7	2	96	0.00	0.0	4.410	0.022	7	2	1	1
PL.63557	PL.66228	A	6 A (CWC)	7.36Y	122.7	0.11	2.26	25.27	18	181	46	97	0.15	0.1	4.401	0.097	3	1	1	25
PL.63558	PL.63557	A	6 A (CWC)	7.36Y	122.7	0.03	2.29	24.86	18	178	45	97	0.04	0.0	4.431	0.030	18	5	1	24
PL.60538	PL.63558	A	6 A (CWC)	7.36Y	122.7	0.00	2.30	20.14	14	144	36	97	0.00	0.0	4.434	0.003	0	0	0	21
PD.8873-A	PL.60538	A	Closed	7.36Y	122.7	0.00	2.30	20.14	0	144	36	97	0.00	0.0	4.434	0.003	0	0	0	21

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: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.8873-B	PD.8873-A	A	Closed	7.36Y	122.7	0.00	2.30	20.14	0	144	36	97	0.00	0.0	4.434	0.003	0	0	0	21
PL.60539	PD.8873-B	A	6 A (CWC)	7.35Y	122.4	0.28	2.58	20.14	14	144	36	97	0.30	0.2	4.749	0.314	5	1	1	21
PL.62906	PL.60539	A	6 A (CWC)	7.34Y	122.3	0.11	2.69	19.44	14	138	35	97	0.12	0.1	4.877	0.128	0	0	0	20
PL.62908	PL.62906	A	#4 ACSR	7.34Y	122.3	0.00	2.69	1.19	1	8	2	97	0.00	0.0	4.881	0.004	0	0	0	1
PD.9445	PL.62908	A	30T	7.34Y	122.3	0.00	2.69	1.19	0	8	2	97	0.00	0.0	4.881	0.004	0	0	0	1
PL.62909	PD.9445	A	#4 ACSR	7.34Y	122.3	0.00	2.70	1.19	1	8	2	97	0.00	0.0	5.061	0.180	8	2	1	1
PL.62905	PL.62906	A	6 A (CWC)	7.33Y	122.2	0.06	2.75	18.09	13	129	32	97	0.06	0.0	4.953	0.076	5	1	1	18
PL.60541	PL.62905	A	6 A (CWC)	7.33Y	122.2	0.00	2.76	14.15	10	101	25	97	0.00	0.0	4.956	0.003	0	0	0	13
PD.8876	PL.60541	A	30T	7.33Y	122.2	0.00	2.76	14.15	0	101	25	97	0.00	0.0	4.956	0.003	0	0	0	13
PL.60542	PD.8876	A	6 A (CWC)	7.33Y	122.1	0.13	2.88	14.15	10	101	25	97	0.10	0.1	5.156	0.200	0	0	0	13
PL.55540	PL.60542	A	6 A (CWC)	7.33Y	122.1	0.01	2.89	2.93	2	21	5	97	0.00	0.0	5.209	0.053	0	0	0	3
PL.55541	PL.55540	A	6 A (CWC)	7.33Y	122.1	0.01	2.90	2.93	2	21	5	97	0.00	0.0	5.267	0.058	8	2	1	3
PL.55542	PL.55541	A	6 A (CWC)	7.33Y	122.1	0.00	2.90	1.76	1	13	3	97	0.00	0.0	5.322	0.055	0	0	0	2
PL.54809	PL.55542	A	#2 ACSR	7.33Y	122.1	0.00	2.90	0.70	0	5	1	98	0.00	0.0	5.364	0.043	5	1	1	1
PL.54810	PL.55542	A	6 A (CWC)	7.33Y	122.1	0.00	2.90	1.07	1	8	2	97	0.00	0.0	5.363	0.041	8	2	1	1
PL.55127	PL.60542	A	6 A (CWC)	7.32Y	122.1	0.04	2.92	11.22	8	80	20	97	0.02	0.0	5.247	0.091	25	6	3	10
PL.54807	PL.55127	A	6 A (CWC)	7.32Y	122.0	0.04	2.96	7.70	5	55	14	97	0.02	0.0	5.356	0.109	0	0	0	7
PL.46819	PL.54807	A	6 A (CWC)	7.32Y	122.0	0.04	3.00	7.70	5	55	14	97	0.01	0.0	5.471	0.115	7	2	1	7
PL.46483	PL.46819	A	6 A (CWC)	7.32Y	122.0	0.00	3.00	1.63	1	12	3	97	0.00	0.0	5.548	0.077	12	3	2	2
PL.63555	PL.46819	A	6 A (CWC)	7.32Y	122.0	0.00	3.00	1.51	1	11	3	96	0.00	0.0	5.471	0.000	0	0	0	1
PL.63556	PL.63555	A	6 A (CWC)	7.32Y	122.0	0.01	3.01	1.51	1	11	3	96	0.00	0.0	5.565	0.094	0	0	0	1
PL.45135	PL.63556	A	#2 ACSR	7.32Y	122.0	0.00	3.01	1.51	1	11	3	96	0.00	0.0	5.600	0.035	11	3	1	1
PL.47091	PL.63556	A	6 A (CWC)	7.32Y	122.0	0.00	3.01	0.00	0	0	0	100	0.00	0.0	5.633	0.069	0	0	0	0
PL.46820	PL.46819	A	6 A (CWC)	7.32Y	122.0	0.01	3.01	3.53	3	25	6	97	0.00	0.0	5.549	0.078	6	2	1	3
PL.54805	PL.46820	A	6 A (CWC)	7.32Y	122.0	0.01	3.02	2.68	2	19	5	97	0.00	0.0	5.624	0.075	10	2	1	2
PL.54806	PL.54805	A	6 A (CWC)	7.32Y	122.0	0.00	3.02	1.32	1	9	2	98	0.00	0.0	5.670	0.045	9	2	1	1
PL.63606	PL.62905	A	6 A (CWC)	7.33Y	122.2	0.00	2.75	1.70	1	12	3	97	0.00	0.0	4.953	0.000	0	0	0	3
PL.63607	PL.63606	A	6 A (CWC)	7.33Y	122.2	0.00	2.75	1.70	1	12	3	97	0.00	0.0	4.956	0.004	0	0	0	3
PD.8875	PL.63607	A	30T	7.33Y	122.2	0.00	2.75	1.70	0	12	3	97	0.00	0.0	4.956	0.004	0	0	0	3
PL.63611	PD.8875	A	6 A (CWC)	7.33Y	122.2	0.00	2.75	1.70	1	12	3	97	0.00	0.0	4.958	0.001	0	0	0	3
PL.63608	PL.63611	A	6 A (CWC)	7.33Y	122.2	0.01	2.77	1.70	1	12	3	97	0.00	0.0	5.104	0.146	0	0	0	3

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.63609	PL.63608	A	6 A (CWC)	7.33Y	122.2	0.00	2.77	0.62	0	4	1	97	0.00	0.0	5.149	0.046	4	1	1	1
PL.63610	PL.63608	A	6 A (CWC)	7.33Y	122.2	0.01	2.77	1.08	1	8	2	97	0.00	0.0	5.235	0.132	1	0	1	2
PL.55545	PL.63610	A	6 A (CWC)	7.33Y	122.2	0.01	2.78	0.99	1	7	2	96	0.00	0.0	5.460	0.225	7	2	1	1
PL.60543	PL.62905	A	6 A (CWC)	7.33Y	122.2	0.00	2.75	1.47	1	10	3	96	0.00	0.0	4.956	0.003	0	0	0	1
PD.8877	PL.60543	A	30T	7.33Y	122.2	0.00	2.75	1.47	0	10	3	96	0.00	0.0	4.956	0.003	0	0	0	1
PL.60544	PD.8877	A	6 A (CWC)	7.33Y	122.2	0.01	2.76	1.47	1	10	3	96	0.00	0.0	5.132	0.176	10	3	1	1
PL.62907	PL.62906	A	6 A (CWC)	7.34Y	122.3	0.00	2.69	0.16	0	1	0	100	0.00	0.0	4.880	0.004	0	0	0	1
PD.8874	PL.62907	A	30T	7.34Y	122.3	0.00	2.69	0.16	0	1	0	100	0.00	0.0	4.880	0.004	0	0	0	1
PL.60540	PD.8874	A	6 A (CWC)	7.34Y	122.3	0.00	2.69	0.16	0	1	0	100	0.00	0.0	5.074	0.194	1	0	1	1
PL.60536	PL.63558	A	#1/0 ACSR	7.36Y	122.7	0.00	2.29	2.22	1	16	4	97	0.00	0.0	4.434	0.003	0	0	0	2
PD.8872	PL.60536	A	20T	7.36Y	122.7	0.00	2.29	2.22	0	16	4	97	0.00	0.0	4.434	0.003	0	0	0	2
PL.60537	PD.8872	A	#1/0 ACSR	7.36Y	122.7	0.00	2.30	2.22	1	16	4	97	0.00	0.0	4.483	0.049	6	2	1	2
PL.54678	PL.60537	A	#1/0 ACSR	7.36Y	122.7	0.00	2.30	1.33	1	10	2	98	0.00	0.0	4.536	0.053	10	2	1	1
PL.66226	PL.66227	A	#1/0 ACSR	7.37Y	122.9	0.00	2.12	0.00	0	0	0	100	0.00	0.0	4.312	0.030	0	0	0	0
PL.60530	PL.46220	ABC	#1/0 ACSR	7.38Y	123.0	0.00	1.98	2.06	1	44	11	97	0.00	0.0	4.169	0.003	0	0	0	7
PD.8869	PL.60530	ABC	70CodeSMod	7.38Y	123.0	0.00	1.98	2.06	0	44	11	97	0.00	0.0	4.169	0.003	0	0	0	7
PL.60531	PD.8869	ABC	#1/0 ACSR	7.38Y	123.0	0.00	1.98	2.06	1	44	11	97	0.00	0.0	4.258	0.089	23	6	2	7
PL.54855	PL.60531	ABC	#1/0 ACSR	7.38Y	123.0	0.00	1.98	1.01	0	22	5	98	0.00	0.0	4.367	0.109	0	0	0	5
PL.46184	PL.54855	A	#4 ACSR	7.38Y	123.0	0.00	1.98	3.02	2	22	5	98	0.00	0.0	4.369	0.002	0	0	0	5
PD.7295	PL.46184	A	40QA	7.38Y	123.0	0.00	1.98	3.02	8	22	5	98	0.00	0.0	4.369	0.002	0	0	0	5
PL.46185	PD.7295	A	#1/0 ACSR	7.38Y	123.0	0.00	1.99	3.02	1	22	5	98	0.00	0.0	4.408	0.039	12	3	2	5
PL.54460	PL.46185	A	#1/0 ACSR	7.38Y	123.0	0.00	1.99	1.21	1	9	2	98	0.00	0.0	4.448	0.040	3	1	1	2
PL.63549	PL.54460	A	#1/0 ACSR	7.38Y	123.0	0.00	1.99	0.73	0	5	1	98	0.00	0.0	4.486	0.038	5	1	1	1
PL.63588	PL.46185	A	#1/0 ACSR	7.38Y	123.0	0.00	1.99	0.18	0	1	0	100	0.00	0.0	4.450	0.042	1	0	1	1
PL.46183	PL.54855	ABC	#1/0 ACSR	7.38Y	123.0	0.00	1.98	0.00	0	0	0	100	0.00	0.0	4.541	0.174	0	0	0	0
PD.7306-B	PL.46183	ABC	Open	7.38Y	123.0	0.00	1.98	0.00	0	0	0	100	0.00	0.0	4.541	0.174	0	0	0	0
PL.46386	PL.46220	A	#4 ACSR	7.38Y	123.0	0.00	1.98	5.63	4	40	10	97	0.00	0.0	4.169	0.003	0	0	0	8
PD.7237	PL.46386	A	40QA	7.38Y	123.0	0.00	1.98	5.63	14	40	10	97	0.00	0.0	4.169	0.003	0	0	0	8
PL.54854	PD.7237	A	#4 ACSR	7.38Y	123.0	0.01	1.99	5.63	4	40	10	97	0.00	0.0	4.229	0.061	23	6	4	8
PL.54856	PL.54854	A	#4 ACSR	7.38Y	123.0	0.01	2.00	2.44	2	17	4	97	0.00	0.0	4.314	0.085	0	0	1	4
PL.59447	PL.54856	A	#4 ACSR	7.38Y	123.0	0.00	2.00	1.98	2	14	4	96	0.00	0.0	4.352	0.037	14	4	2	2

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

Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.54857	PL.54856	A	#4 ACSR	7.38Y	123.0	0.00	2.00	0.46	0	3	1	95	0.00	0.0	4.376	0.062	3	1	1	1
PL.54945	PL.60493	A	6 A (CWC)	7.38Y	123.1	0.00	1.94	23.93	17	171	43	97	0.00	0.0	3.992	0.002	0	0	0	31
PD.8151	PL.54945	A	40QA	7.38Y	123.1	0.00	1.94	23.93	60	171	43	97	0.00	0.0	3.992	0.002	0	0	0	31
PL.64774	PD.8151	A	6 A (CWC)	7.38Y	123.0	0.10	2.04	23.93	17	171	43	97	0.13	0.1	4.083	0.091	0	0	0	31
PL.64775	PL.64774	A	6 A (CWC)	7.38Y	123.0	0.00	2.04	23.93	17	171	43	97	0.00	0.0	4.083	0.000	12	3	4	31
PL.59544	PL.64775	A	#1/0 ACSR	7.38Y	123.0	0.00	2.04	1.30	1	9	2	98	0.00	0.0	4.128	0.045	9	2	1	1
PL.59546	PL.64775	A	6 A (CWC)	7.38Y	122.9	0.03	2.06	20.99	15	150	38	97	0.03	0.0	4.111	0.028	9	2	4	26
PL.59444	PL.59546	A	6 A (CWC)	7.37Y	122.9	0.05	2.11	19.76	14	141	36	97	0.05	0.0	4.166	0.055	8	2	1	22
PL.59545	PL.59444	A	1/0 AL URD	7.37Y	122.9	0.00	2.11	1.13	1	8	2	97	0.00	0.0	4.220	0.054	8	2	2	2
PL.61088	PL.59444	A	6 A (CWC)	7.37Y	122.8	0.06	2.17	17.55	13	125	32	97	0.06	0.0	4.248	0.082	8	2	1	19
PL.61089	PL.61088	A	6 A (CWC)	7.37Y	122.8	0.00	2.17	5.88	4	42	11	97	0.00	0.0	4.251	0.004	0	0	0	5
PD.8868	PL.61089	A	20T	7.37Y	122.8	0.00	2.17	5.88	0	42	11	97	0.00	0.0	4.251	0.004	0	0	0	5
PL.60529	PD.8868	A	6 A (CWC)	7.37Y	122.8	0.02	2.19	5.88	4	42	11	97	0.01	0.0	4.317	0.066	0	0	1	5
PL.54901	PL.60529	A	6 A (CWC)	7.37Y	122.8	0.01	2.21	5.88	4	42	11	97	0.00	0.0	4.379	0.062	15	4	2	4
PL.46042	PL.54901	A	6 A (CWC)	7.37Y	122.8	0.00	2.21	0.00	0	0	0	100	0.00	0.0	4.421	0.042	0	0	0	0
PL.46482	PL.54901	A	#2 ACSR	7.37Y	122.8	0.00	2.21	3.73	2	27	7	97	0.00	0.0	4.456	0.077	27	7	2	2
PL.61090	PL.61088	A	6 A (CWC)	7.37Y	122.8	0.01	2.19	8.86	6	63	16	97	0.01	0.0	4.285	0.037	6	2	1	11
PL.63561	PL.61090	A	1/0 AL URD	7.37Y	122.8	0.00	2.19	1.23	1	9	2	98	0.00	0.0	4.316	0.031	9	2	2	2
PL.61064	PL.61090	A	#4 ACSR	7.37Y	122.8	0.01	2.20	6.76	5	48	12	97	0.00	0.0	4.346	0.061	20	5	2	8
PL.61063	PL.61064	A	#4 ACSR	7.37Y	122.8	0.00	2.21	3.99	3	28	7	97	0.00	0.0	4.366	0.020	0	0	0	6
PL.60588	PL.61063	A	#1/0 ACSR	7.37Y	122.8	0.00	2.21	2.95	1	21	5	97	0.00	0.0	4.375	0.009	6	2	1	5
PL.63627	PL.60588	A	1/0 AL URD	7.37Y	122.8	0.00	2.21	2.08	1	15	4	97	0.00	0.0	4.406	0.031	0	0	0	4
PL.63628	PL.63627	A	1/0 AL URD	7.37Y	122.8	0.00	2.21	2.08	1	15	4	97	0.00	0.0	4.413	0.007	15	4	4	4
PL.54455	PL.61063	A	#4 ACSR	7.37Y	122.8	0.00	2.21	1.03	1	7	2	96	0.00	0.0	4.392	0.026	7	2	1	1
PL.63615	PL.61088	A	#1/0 ACSR	7.37Y	122.8	0.00	2.17	1.64	1	12	3	97	0.00	0.0	4.264	0.016	12	3	2	2
PL.54946	PL.60493	A	#2 ACSR	7.38Y	123.1	0.00	1.94	1.12	1	8	2	97	0.00	0.0	3.992	0.001	0	0	0	1
PD.7236	PL.54946	A	40QA	7.38Y	123.1	0.00	1.94	1.12	3	8	2	97	0.00	0.0	3.992	0.001	0	0	0	1
PL.46387	PD.7236	A	#2 ACSR	7.38Y	123.1	0.00	1.94	1.12	1	8	2	97	0.00	0.0	4.029	0.037	8	2	1	1
PL.54948	PL.60493	A	1/0 AL URD	7.38Y	123.1	0.01	1.94	6.99	4	50	13	97	0.00	0.0	4.043	0.052	23	6	2	5
PL.54949	PL.54948	A	1/0 AL URD	7.38Y	123.0	0.02	1.96	3.82	2	27	7	97	0.00	0.0	4.212	0.169	10	3	1	3
PL.57671	PL.54949	A	1/0 AL URD	7.38Y	123.0	0.00	1.97	2.38	1	17	4	97	0.00	0.0	4.291	0.079	9	2	1	2

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.57672	PL.57671	A	1/0 AL URD	7.38Y	123.0	0.00	1.97	1.13	1	8	2	97	0.00	0.0	4.311	0.019	8	2	1	1
PL.57673	PL.57672	A	1/0 AL URD	7.38Y	123.0	0.00	1.97	0.00	0	0	0	100	0.00	0.0	4.347	0.036	0	0	0	0
PL.56136	PL.46388	A	6 A (CWC)	7.39Y	123.2	0.00	1.78	3.31	2	24	6	97	0.00	0.0	3.701	0.003	0	0	0	3
PD.8230	PL.56136	A	40QA	7.39Y	123.2	0.00	1.78	3.31	8	24	6	97	0.00	0.0	3.701	0.003	0	0	0	3
PL.56137	PD.8230	A	6 A (CWC)	7.39Y	123.2	0.00	1.78	3.31	2	24	6	97	0.00	0.0	3.722	0.021	6	2	1	3
PL.56135	PL.56137	A	6 A (CWC)	7.39Y	123.2	0.00	1.78	2.44	2	17	4	97	0.00	0.0	3.748	0.026	6	1	1	2
PL.56138	PL.56135	A	6 A (CWC)	7.39Y	123.2	0.00	1.78	1.62	1	12	3	97	0.00	0.0	3.842	0.094	12	3	1	1
PL.56278	PL.56282	A	#2 ACSR	7.40Y	123.3	0.00	1.71	3.16	2	23	6	97	0.00	0.0	3.592	0.004	0	0	0	8
PD.8237	PL.56278	A	40QA	7.40Y	123.3	0.00	1.71	3.16	8	23	6	97	0.00	0.0	3.592	0.004	0	0	0	8
PL.56279	PD.8237	A	#2 ACSR	7.40Y	123.3	0.00	1.71	3.16	2	23	6	97	0.00	0.0	3.657	0.065	18	5	7	8
PL.56280	PL.56279	A	#2 ACSR	7.40Y	123.3	0.00	1.71	0.63	0	5	1	98	0.00	0.0	3.740	0.082	5	1	1	1
PL.46453	PL.46082	A	#2 ACSR	7.40Y	123.4	0.00	1.62	2.11	1	15	4	97	0.00	0.0	3.450	0.001	0	0	0	1
PD.7272	PL.46453	A	40QA	7.40Y	123.4	0.00	1.62	2.11	5	15	4	97	0.00	0.0	3.450	0.001	0	0	0	1
PL.46454	PD.7272	A	#2 ACSR	7.40Y	123.4	0.00	1.62	2.11	1	15	4	97	0.00	0.0	3.476	0.026	15	4	1	1
PL.46083	PL.46755	A	#2 ACSR	7.41Y	123.4	0.00	1.55	2.62	1	19	5	97	0.00	0.0	3.359	0.001	0	0	0	1
PD.7197	PL.46083	A	40QA	7.41Y	123.4	0.00	1.55	2.62	7	19	5	97	0.00	0.0	3.359	0.001	0	0	0	1
PL.46084	PD.7197	A	#2 ACSR	7.41Y	123.4	0.00	1.56	2.62	1	19	5	97	0.00	0.0	3.411	0.052	19	5	1	1
PL.46085	PL.46755	A	#4 ACSR	7.41Y	123.4	0.00	1.55	0.84	1	6	2	95	0.00	0.0	3.359	0.001	0	0	0	1
PD.7273	PL.46085	A	40QA	7.41Y	123.4	0.00	1.55	0.84	2	6	2	95	0.00	0.0	3.359	0.001	0	0	0	1
PL.46086	PD.7273	A	#4 ACSR	7.41Y	123.4	0.00	1.56	0.84	1	6	2	95	0.00	0.0	3.464	0.105	6	2	1	1
PL.56181	PL.56182	C	6 A (CWC)	7.41Y	123.6	0.00	1.43	4.64	3	33	8	97	0.00	0.0	3.190	0.002	0	0	0	5
PD.7010	PL.56181	C	75QA	7.41Y	123.6	0.00	1.43	4.64	6	33	8	97	0.00	0.0	3.190	0.002	0	0	0	5
PL.56124	PD.7010	C	6 A (CWC)	7.41Y	123.6	0.01	1.44	4.64	3	33	8	97	0.00	0.0	3.243	0.053	10	3	1	5
PL.56187	PL.56124	C	6 A (CWC)	7.41Y	123.6	0.01	1.45	3.20	2	23	6	97	0.00	0.0	3.289	0.045	2	1	2	4
PL.56188	PL.56187	C	6 A (CWC)	7.41Y	123.5	0.00	1.45	2.91	2	21	5	97	0.00	0.0	3.315	0.026	21	5	2	2
PL.59652	PL.56182	ABC	#2 ACSR	7.41Y	123.5	0.03	1.47	103.88	59	2235	586	97	0.58	0.0	3.200	0.013	0	0	0	333
PD.8821	PL.59652	ABC	140L	7.41Y	123.5	0.00	1.47	103.88	74	2234	586	97	0.00	0.0	3.200	0.013	0	0	0	333
PL.63722	PD.8821	ABC	#2 ACSR	7.41Y	123.4	0.11	1.57	103.88	59	2234	586	97	1.78	0.1	3.241	0.040	9	2	1	333
PL.63723	PL.63722	ABC	#2 ACSR	7.41Y	123.4	0.00	1.57	103.45	59	2223	582	97	0.00	0.0	3.241	0.000	4	1	1	332
PL.63586	PL.63723	C	#2 ACSR	7.41Y	123.4	0.00	1.57	5.92	3	43	11	97	0.00	0.0	3.257	0.016	12	3	1	4
PL.63587	PL.63586	C	#2 ACSR	7.41Y	123.4	0.00	1.58	4.30	2	31	8	97	0.00	0.0	3.295	0.038	15	4	2	3

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

Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.56365	PL.63587	C	#2 ACSR	7.41Y	123.4	0.00	1.58	2.19	1	16	4	97	0.00	0.0	3.314	0.019	16	4	1	1
PL.53288	PL.56365	C	#2 ACSR	7.41Y	123.4	0.00	1.58	0.00	0	0	0	100	0.00	0.0	3.333	0.020	0	0	0	0
PL.56364	PL.63723	ABC	#2 ACSR	7.39Y	123.2	0.21	1.78	101.28	58	2177	571	97	3.48	0.2	3.323	0.083	0	0	0	327
PL.45939	PL.56364	ABC	#2 ACSR	7.39Y	123.1	0.09	1.87	100.55	57	2157	565	97	1.50	0.1	3.360	0.036	0	0	0	325
PL.56270	PL.45939	ABC	#2 ACSR	7.37Y	122.9	0.24	2.11	99.45	57	2132	558	97	3.85	0.2	3.455	0.095	0	0	0	322
PL.56269	PL.56270	ABC	#2 ACSR	7.37Y	122.8	0.13	2.25	97.14	56	2079	544	97	2.13	0.1	3.510	0.055	2	0	2	317
PL.56220	PL.56269	ABC	#2 ACSR	7.35Y	122.6	0.17	2.42	97.07	55	2075	542	97	2.71	0.1	3.580	0.070	0	0	0	315
PL.46988	PL.56220	ABC	#2 ACSR	7.35Y	122.5	0.11	2.52	97.07	55	2072	540	97	1.67	0.1	3.624	0.044	15	4	3	315
PL.45969	PL.46988	ABC	#2 ACSR	7.34Y	122.3	0.15	2.67	96.35	55	2055	536	97	2.35	0.1	3.686	0.062	0	0	0	312
PL.46628	PL.45969	C	#1/0 ACSR	7.34Y	122.3	0.00	2.67	0.10	0	1	0	100	0.00	0.0	3.686	0.000	0	0	0	3
PD.7198	PL.46628	C	75QA	7.34Y	122.3	0.00	2.67	0.10	0	1	0	100	0.00	0.0	3.686	0.000	0	0	0	3
PL.46629	PD.7198	C	#1/0 ACSR	7.34Y	122.3	0.00	2.68	0.10	0	1	0	100	0.00	0.0	3.723	0.038	1	0	3	3
PL.47014	PL.45969	C	#4 ACSR	7.34Y	122.3	0.02	2.69	17.17	13	122	31	97	0.02	0.0	3.712	0.027	7	2	4	25
PL.47015	PL.47014	C	#4 ACSR	7.34Y	122.3	0.03	2.72	16.17	12	115	29	97	0.02	0.0	3.752	0.039	0	0	0	21
PL.56459	PL.47015	C	#2 ACSR	7.34Y	122.3	0.02	2.75	9.95	6	71	18	97	0.01	0.0	3.841	0.089	23	6	2	14
PL.56460	PL.56459	C	#2 ACSR	7.33Y	122.2	0.01	2.75	6.78	4	48	12	97	0.00	0.0	3.874	0.033	0	0	0	12
PL.56463	PL.56460	C	#2 ACSR	7.33Y	122.2	0.00	2.75	1.05	1	7	2	96	0.00	0.0	3.909	0.034	7	2	1	1
PL.56461	PL.56460	C	#2 ACSR	7.33Y	122.2	0.01	2.76	5.73	3	41	10	97	0.00	0.0	3.928	0.054	18	5	4	11
PL.66235	PL.56461	C	#2 ACSR	7.33Y	122.2	0.00	2.76	1.71	1	12	3	97	0.00	0.0	3.962	0.034	9	2	3	4
PL.66236	PL.66235	C	#1/0 ACSR	7.33Y	122.2	0.00	2.76	0.48	0	3	1	95	0.00	0.0	3.992	0.030	3	1	1	1
PL.56462	PL.56461	C	#2 ACSR	7.33Y	122.2	0.00	2.76	1.46	1	10	3	96	0.00	0.0	3.949	0.021	10	3	3	3
PL.46861	PL.47015	C	#4 ACSR	7.34Y	122.3	0.01	2.73	6.23	5	44	11	97	0.00	0.0	3.793	0.042	10	2	2	7
PL.47013	PL.46861	C	#1/0 ACSR	7.34Y	122.3	0.00	2.73	0.78	0	6	1	99	0.00	0.0	3.882	0.089	6	1	1	1
PL.45963	PL.46861	C	#4 ACSR	7.34Y	122.3	0.01	2.75	4.09	3	29	7	97	0.00	0.0	3.880	0.087	11	3	3	4
PL.45964	PL.45963	C	#4 ACSR	7.33Y	122.2	0.00	2.75	2.47	2	18	4	98	0.00	0.0	3.967	0.087	18	4	1	1
PL.56253	PL.45969	ABC	#2 ACSR	7.30Y	121.6	0.71	3.38	89.95	51	1916	500	97	10.37	0.5	4.000	0.314	9	2	1	279
PL.56254	PL.56253	A	#4 ACSR	7.30Y	121.6	0.00	3.39	11.16	9	79	20	97	0.00	0.0	4.005	0.005	0	0	0	15
PD.8240	PL.56254	A	40QA	7.30Y	121.6	0.00	3.39	11.16	28	79	20	97	0.00	0.0	4.005	0.005	0	0	0	15
PL.56258	PD.8240	A	#4 ACSR	7.30Y	121.6	0.03	3.42	11.16	9	79	20	97	0.02	0.0	4.069	0.064	15	4	3	15
PL.56256	PL.56258	A	#4 ACSR	7.30Y	121.6	0.00	3.42	1.37	1	10	2	98	0.00	0.0	4.102	0.033	10	2	3	3
PL.56257	PL.56258	A	#4 ACSR	7.29Y	121.6	0.01	3.43	7.66	6	54	14	97	0.00	0.0	4.105	0.036	13	3	2	9

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.47083	PL.56257	A	#4 ACSR	7.29Y	121.6	0.01	3.44	5.78	4	41	10	97	0.00	0.0	4.151	0.046	12	3	1	7
PL.47084	PL.47083	A	#4 ACSR	7.29Y	121.6	0.01	3.44	4.07	3	29	7	97	0.00	0.0	4.189	0.038	4	1	3	6
PL.47085	PL.47084	A	#4 ACSR	7.29Y	121.6	0.01	3.45	3.49	3	25	6	97	0.00	0.0	4.240	0.051	8	2	1	3
PL.59764	PL.47085	A	#4 ACSR	7.29Y	121.5	0.00	3.45	2.32	2	16	4	97	0.00	0.0	4.285	0.045	16	4	2	2
PL.56252	PL.56253	ABC	#2 ACSR	7.29Y	121.5	0.14	3.52	85.82	49	1818	472	97	1.94	0.1	4.064	0.065	16	4	2	263
PL.46621	PL.56252	ABC	#2 ACSR	7.28Y	121.3	0.20	3.73	85.09	49	1801	467	97	2.81	0.2	4.159	0.095	0	0	0	261
PL.47086	PL.46621	B	6 A (CWC)	7.28Y	121.3	0.00	3.73	46.52	33	328	83	97	0.01	0.0	4.160	0.001	0	0	0	46
PD.6991	PL.47086	B	75QA	7.28Y	121.3	0.00	3.73	46.52	62	328	83	97	0.00	0.0	4.160	0.001	0	0	0	46
PL.47087	PD.6991	B	6 A (CWC)	7.26Y	121.1	0.20	3.93	46.52	33	328	83	97	0.50	0.2	4.255	0.095	0	0	0	46
PL.56255	PL.47087	B	#4 ACSR	7.26Y	121.1	0.01	3.94	9.18	7	65	16	97	0.00	0.0	4.301	0.046	65	16	5	5
PL.62799	PL.47087	B	6 A (CWC)	7.26Y	121.0	0.04	3.97	37.34	27	263	66	97	0.08	0.0	4.279	0.023	8	2	1	41
PL.62800	PL.62799	B	#4 ACSR	7.26Y	121.0	0.05	4.02	35.19	27	248	63	97	0.10	0.0	4.312	0.033	0	0	1	39
PL.60561	PL.62800	B	#2 ACSR	7.26Y	121.0	0.00	4.02	0.43	0	3	1	95	0.00	0.0	4.315	0.003	0	0	0	2
PD.9036	PL.60561	B	20T	7.26Y	121.0	0.00	4.02	0.43	0	3	1	95	0.00	0.0	4.315	0.003	0	0	0	2
PL.60562	PD.9036	B	#2 ACSR	7.26Y	121.0	0.00	4.02	0.43	0	3	1	95	0.00	0.0	4.348	0.033	3	1	2	2
PL.60563	PL.62800	B	#2 ACSR	7.26Y	121.0	0.00	4.02	0.72	0	5	1	98	0.00	0.0	4.315	0.003	0	0	0	1
PD.9037	PL.60563	B	20T	7.26Y	121.0	0.00	4.02	0.72	0	5	1	98	0.00	0.0	4.315	0.003	0	0	0	1
PL.60564	PD.9037	B	#2 ACSR	7.26Y	121.0	0.00	4.02	0.72	0	5	1	98	0.00	0.0	4.360	0.045	5	1	1	1
PL.66233	PL.62800	B	#4 ACSR	7.25Y	120.9	0.07	4.09	34.03	26	240	60	97	0.13	0.1	4.360	0.048	0	0	0	35
PL.66234	PL.66233	B	#4 ACSR	7.25Y	120.9	0.05	4.15	34.03	26	239	60	97	0.10	0.0	4.395	0.035	0	0	0	35
PL.66232	PL.66234	B	6 A (CWC)	7.25Y	120.8	0.09	4.23	32.05	23	225	57	97	0.14	0.1	4.454	0.060	8	2	1	32
PL.46658	PL.66232	B	6 A (CWC)	7.24Y	120.7	0.05	4.28	13.63	10	96	24	97	0.03	0.0	4.530	0.076	0	0	0	17
PL.46659	PL.46658	B	6 A (CWC)	7.24Y	120.7	0.04	4.32	13.63	10	96	24	97	0.03	0.0	4.598	0.068	10	2	1	17
PL.46435	PL.46659	B	#4 ACSR	7.24Y	120.7	0.00	4.32	0.77	1	5	1	98	0.00	0.0	4.763	0.165	5	1	2	2
PL.60568	PL.46659	B	#4 ACSR	7.24Y	120.7	0.00	4.32	5.90	5	41	10	97	0.00	0.0	4.602	0.004	0	0	0	5
PD.9040	PL.60568	B	30T	7.24Y	120.7	0.00	4.32	5.90	0	41	10	97	0.00	0.0	4.602	0.004	0	0	0	5
PL.60569	PD.9040	B	#4 ACSR	7.24Y	120.7	0.01	4.33	5.90	5	41	10	97	0.00	0.0	4.652	0.050	5	1	1	5
PL.46660	PL.60569	B	#4 ACSR	7.24Y	120.7	0.00	4.33	5.12	4	36	9	97	0.00	0.0	4.683	0.031	36	9	3	4
PL.64349	PL.46660	B	#1/0 ACSR	7.24Y	120.7	0.00	4.33	0.00	0	0	0	100	0.00	0.0	4.686	0.003	0	0	0	1
PD.9532	PL.64349	B	20T	7.24Y	120.7	0.00	4.33	0.00	0	0	0	100	0.00	0.0	4.686	0.003	0	0	0	1
PL.64350	PD.9532	B	#1/0 ACSR	7.24Y	120.7	0.00	4.33	0.00	0	0	0	100	0.00	0.0	4.737	0.051	0	0	1	1

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.60570	PL.46659	B	6 A (CWC)	7.24Y	120.7	0.00	4.32	5.60	4	39	10	97	0.00	0.0	4.602	0.004	0	0	0	9
PD.9041	PL.60570	B	30T	7.24Y	120.7	0.00	4.32	5.60	0	39	10	97	0.00	0.0	4.602	0.004	0	0	0	9
PL.60571	PD.9041	B	6 A (CWC)	7.24Y	120.7	0.02	4.34	5.60	4	39	10	97	0.01	0.0	4.706	0.104	5	1	2	9
PL.46661	PL.60571	B	6 A (CWC)	7.24Y	120.6	0.01	4.36	4.85	3	34	9	97	0.00	0.0	4.772	0.066	10	2	2	7
PL.46662	PL.46661	B	6 A (CWC)	7.24Y	120.6	0.01	4.37	3.45	2	24	6	97	0.00	0.0	4.859	0.087	8	2	1	5
PL.46663	PL.46662	B	6 A (CWC)	7.24Y	120.6	0.00	4.37	2.34	2	16	4	97	0.00	0.0	4.903	0.044	9	2	2	4
PL.46664	PL.46663	B	6 A (CWC)	7.24Y	120.6	0.00	4.37	1.07	1	8	2	97	0.00	0.0	4.996	0.093	8	2	2	2
PL.60566	PL.66232	B	#4 ACSR	7.25Y	120.8	0.00	4.23	17.27	13	121	31	97	0.00	0.0	4.458	0.003	0	0	0	14
PD.9039	PL.60566	B	25T	7.25Y	120.8	0.00	4.23	17.27	0	121	31	97	0.00	0.0	4.458	0.003	0	0	0	14
PL.60567	PD.9039	B	#4 ACSR	7.24Y	120.7	0.05	4.29	17.27	13	121	31	97	0.05	0.0	4.530	0.072	9	2	1	14
PL.47090	PL.60567	B	#4 ACSR	7.24Y	120.7	0.02	4.31	15.93	12	112	28	97	0.01	0.0	4.564	0.034	47	12	5	13
PL.45965	PL.47090	B	#4 ACSR	7.24Y	120.7	0.02	4.33	9.26	7	65	16	97	0.01	0.0	4.631	0.067	36	9	4	8
PL.45966	PL.45965	B	#4 ACSR	7.24Y	120.7	0.01	4.33	4.17	3	29	7	97	0.00	0.0	4.690	0.059	29	7	4	4
PL.60565	PL.66234	B	#2 ACSR	7.25Y	120.9	0.00	4.15	1.97	1	14	3	98	0.00	0.0	4.398	0.003	0	0	0	3
PD.9038	PL.60565	B	20T	7.25Y	120.9	0.00	4.15	1.97	0	14	3	98	0.00	0.0	4.398	0.003	0	0	0	3
PL.64347	PD.9038	B	#1/0 ACSR	7.25Y	120.9	0.00	4.15	1.97	1	14	3	98	0.00	0.0	4.417	0.019	6	2	2	3
PL.64348	PL.64347	B	#2 ACSR	7.25Y	120.9	0.00	4.15	1.08	1	8	2	97	0.00	0.0	4.430	0.014	0	0	0	1
PL.63616	PL.64348	B	#2 ACSR	7.25Y	120.9	0.00	4.15	1.08	1	8	2	97	0.00	0.0	4.430	0.000	8	2	1	1
PL.62801	PL.62799	B	6 A (CWC)	7.26Y	121.0	0.00	3.97	1.07	1	8	2	97	0.00	0.0	4.282	0.003	0	0	0	1
PD.9447	PL.62801	B	20T	7.26Y	121.0	0.00	3.97	1.07	0	8	2	97	0.00	0.0	4.282	0.003	0	0	0	1
PL.62798	PD.9447	B	6 A (CWC)	7.26Y	121.0	0.00	3.97	1.07	1	8	2	97	0.00	0.0	4.321	0.039	8	2	1	1
PL.46665	PL.46621	ABC	#2 ACSR	7.27Y	121.1	0.17	3.90	69.58	40	1470	383	97	1.90	0.1	4.256	0.097	18	5	3	215
PL.46667	PL.46665	A	6 A (CWC)	7.27Y	121.1	0.00	3.90	2.39	2	17	4	97	0.00	0.0	4.257	0.001	0	0	0	2
PD.6992	PL.46667	A	75QA	7.27Y	121.1	0.00	3.90	2.39	3	17	4	97	0.00	0.0	4.257	0.001	0	0	0	2
PL.46668	PD.6992	A	6 A (CWC)	7.27Y	121.1	0.00	3.90	2.39	2	17	4	97	0.00	0.0	4.331	0.074	17	4	2	2
PL.46669	PL.46665	C	#4 ACSR	7.27Y	121.1	0.00	3.90	1.90	1	13	3	97	0.00	0.0	4.257	0.001	0	0	0	2
PD.7296	PL.46669	C	75QA	7.27Y	121.1	0.00	3.90	1.90	3	13	3	97	0.00	0.0	4.257	0.001	0	0	0	2
PL.46271	PD.7296	C	#4 ACSR	7.27Y	121.1	0.00	3.90	1.90	1	13	3	97	0.00	0.0	4.305	0.048	6	1	1	2
PL.46272	PL.46271	C	#4 ACSR	7.27Y	121.1	0.00	3.90	1.10	1	8	2	97	0.00	0.0	4.384	0.079	0	0	0	1
PL.46670	PL.46272	C	#4 ACSR	7.27Y	121.1	0.00	3.91	1.10	1	8	2	97	0.00	0.0	4.447	0.063	0	0	0	1
PL.46671	PL.46670	C	#4 ACSR	7.26Y	121.1	0.01	3.92	1.10	1	8	2	97	0.00	0.0	4.912	0.465	8	2	1	1

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.46666	PL.46665	ABC	#2 ACSR	7.26Y	121.0	0.09	3.98	67.28	38	1419	370	97	0.97	0.1	4.309	0.053	12	3	2	208
PL.47018	PL.46666	B	#2 ACSR	7.26Y	121.0	0.00	3.98	2.37	1	17	4	97	0.00	0.0	4.309	0.000	0	0	0	3
PD.6993	PL.47018	B	50T	7.26Y	121.0	0.00	3.98	2.37	0	17	4	97	0.00	0.0	4.309	0.000	0	0	0	3
PL.47019	PD.6993	B	#2 ACSR	7.26Y	121.0	0.00	3.99	2.37	1	17	4	97	0.00	0.0	4.354	0.044	8	2	2	3
PL.46273	PL.47019	B	#2 ACSR	7.26Y	121.0	0.00	3.99	1.24	1	9	2	98	0.00	0.0	4.394	0.040	9	2	1	1
PL.45212	PL.46666	ABC	#2 ACSR	7.26Y	121.0	0.05	4.03	65.92	38	1390	362	97	0.49	0.0	4.337	0.028	17	4	2	203
PL.46812	PL.45212	ABC	#2 ACSR	7.25Y	120.9	0.08	4.12	60.83	35	1282	334	97	0.83	0.1	4.392	0.055	21	5	3	188
PL.46679	PL.46812	ABC	#2 ACSR	7.25Y	120.8	0.08	4.20	59.82	34	1259	329	97	0.80	0.1	4.447	0.054	3	1	1	185
PL.46813	PL.46679	ABC	#2 ACSR	7.24Y	120.6	0.22	4.41	59.69	34	1256	328	97	2.09	0.2	4.590	0.143	0	0	0	184
PL.45938	PL.46813	A	6 A (CWC)	7.24Y	120.6	0.00	4.41	0.00	0	0	0	100	0.00	0.0	4.641	0.051	0	0	0	0
PL.46814	PL.46813	ABC	#2 ACSR	7.22Y	120.3	0.32	4.73	59.69	34	1254	326	97	3.10	0.2	4.802	0.212	0	0	0	184
PL.56456	PL.46814	ABC	#2 ACSR	7.21Y	120.1	0.17	4.90	56.80	32	1190	309	97	1.58	0.1	4.922	0.119	0	0	1	172
PL.56457	PL.56456	ABC	#2 ACSR	7.20Y	120.0	0.07	4.98	56.77	32	1188	308	97	0.69	0.1	4.974	0.052	8	2	1	171
PL.46189	PL.56457	B	6 A (CWC)	7.20Y	120.0	0.00	4.98	0.00	0	0	0	100	0.00	0.0	5.054	0.080	0	0	0	0
PL.60250	PL.56457	ABC	#2 ACSR	7.19Y	119.9	0.13	5.11	56.40	32	1179	306	97	1.20	0.1	5.067	0.092	0	0	0	170
PL.60251	PL.60250	ABC	#2 ACSR	7.18Y	119.7	0.17	5.28	55.92	32	1168	303	97	1.53	0.1	5.186	0.120	0	0	0	169
PL.47012	PL.60251	ABC	#2 ACSR	7.18Y	119.6	0.11	5.38	55.92	32	1167	302	97	0.96	0.1	5.261	0.075	0	0	0	169
PL.52779	PL.47012	ABC	#2 ACSR	7.17Y	119.5	0.13	5.51	55.92	32	1166	302	97	1.17	0.1	5.352	0.092	0	0	0	169
PL.52782	PL.52779	B	6 A (CWC)	7.17Y	119.4	0.07	5.58	18.50	13	129	33	97	0.07	0.1	5.438	0.086	0	0	0	20
PL.46509	PL.52782	B	6 A (CWC)	7.17Y	119.4	0.00	5.58	18.50	13	129	33	97	0.00	0.0	5.440	0.001	0	0	0	20
PD.7302	PL.46509	B	70L	7.17Y	119.4	0.00	5.58	18.50	26	129	33	97	0.00	0.0	5.440	0.001	0	0	0	20
PL.60484	PD.7302	B	6 A (CWC)	7.16Y	119.4	0.00	5.58	18.50	13	129	33	97	0.00	0.0	5.442	0.002	0	0	0	20
PD.9008-A	PL.60484	B	Closed	7.16Y	119.4	0.00	5.58	18.50	0	129	33	97	0.00	0.0	5.442	0.002	0	0	0	20
PD.9008-B	PD.9008-A	B	Closed	7.16Y	119.4	0.00	5.58	18.50	0	129	33	97	0.00	0.0	5.442	0.002	0	0	0	20
PL.60485	PD.9008-B	B	6 A (CWC)	7.15Y	119.2	0.21	5.79	18.50	13	129	33	97	0.21	0.2	5.691	0.249	0	0	0	20
PL.46342	PL.60485	B	6 A (CWC)	7.15Y	119.1	0.11	5.91	18.50	13	128	32	97	0.11	0.1	5.827	0.136	7	2	1	20
PL.46376	PL.46342	B	6 A (CWC)	7.14Y	119.0	0.07	5.98	17.42	12	121	30	97	0.07	0.1	5.922	0.095	9	2	1	19
PL.60486	PL.46376	B	#4 ACSR	7.14Y	119.0	0.00	5.98	0.99	1	7	2	96	0.00	0.0	5.926	0.003	0	0	0	1
PD.9009	PL.60486	B	15T	7.14Y	119.0	0.00	5.98	0.99	0	7	2	96	0.00	0.0	5.926	0.003	0	0	0	1
PL.60487	PD.9009	B	#4 ACSR	7.14Y	119.0	0.00	5.98	0.99	1	7	2	96	0.00	0.0	5.990	0.064	7	2	1	1
PL.46377	PL.46376	B	6 A (CWC)	7.14Y	119.0	0.07	6.05	15.18	11	105	26	97	0.06	0.1	6.024	0.102	0	0	0	17

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.60488	PL.46377	B	#2 ACSR	7.14Y	119.0	0.00	6.05	0.74	0	5	1	98	0.00	0.0	6.027	0.003	0	0	0	1
PD.9010	PL.60488	B	12T	7.14Y	119.0	0.00	6.05	0.74	0	5	1	98	0.00	0.0	6.027	0.003	0	0	0	1
PL.60489	PD.9010	B	#2 ACSR	7.14Y	119.0	0.00	6.05	0.74	0	5	1	98	0.00	0.0	6.125	0.098	5	1	1	1
PL.56533	PL.46377	B	6 A (CWC)	7.13Y	118.9	0.04	6.09	14.43	10	100	25	97	0.03	0.0	6.085	0.061	1	0	1	16
PL.60490	PL.56533	B	#2 ACSR	7.13Y	118.9	0.00	6.09	3.74	2	26	6	97	0.00	0.0	6.089	0.004	0	0	0	2
PD.9011	PL.60490	B	12T	7.13Y	118.9	0.00	6.09	3.74	0	26	6	97	0.00	0.0	6.089	0.004	0	0	0	2
PL.60491	PD.9011	B	#2 ACSR	7.13Y	118.9	0.01	6.10	3.74	2	26	6	97	0.00	0.0	6.174	0.085	14	4	1	2
PL.46378	PL.60491	B	#2 ACSR	7.13Y	118.9	0.00	6.10	1.69	1	12	3	97	0.00	0.0	6.227	0.053	12	3	1	1
PL.56532	PL.56533	B	6 A (CWC)	7.13Y	118.9	0.02	6.11	10.55	8	73	18	97	0.01	0.0	6.122	0.037	0	0	1	13
PL.46379	PL.56532	B	6 A (CWC)	7.13Y	118.9	0.04	6.15	10.53	8	73	18	97	0.02	0.0	6.217	0.095	11	3	1	12
PL.63564	PL.46379	B	#1/0 ACSR	7.13Y	118.9	0.00	6.15	1.50	1	10	3	96	0.00	0.0	6.250	0.032	10	3	2	2
PL.60492	PL.46379	B	6 A (CWC)	7.13Y	118.9	0.00	6.15	7.52	5	52	13	97	0.00	0.0	6.221	0.004	0	0	0	9
PD.9012	PL.60492	B	12T	7.13Y	118.9	0.00	6.15	7.52	0	52	13	97	0.00	0.0	6.221	0.004	0	0	0	9
PL.59977	PD.9012	B	6 A (CWC)	7.13Y	118.8	0.02	6.17	7.52	5	52	13	97	0.01	0.0	6.277	0.056	2	0	1	9
PL.46380	PL.59977	B	6 A (CWC)	7.13Y	118.8	0.02	6.19	7.26	5	50	13	97	0.01	0.0	6.352	0.076	0	0	0	8
PL.55216	PL.46380	B	6 A (CWC)	7.13Y	118.8	0.02	6.22	5.52	4	38	10	97	0.01	0.0	6.458	0.105	12	3	2	7
PL.55217	PL.55216	B	6 A (CWC)	7.13Y	118.8	0.01	6.22	3.82	3	26	7	97	0.00	0.0	6.514	0.056	0	0	0	5
PL.59982	PL.55217	B	#4 ACSR	7.13Y	118.8	0.00	6.23	3.58	3	25	6	97	0.00	0.0	6.517	0.004	0	0	0	4
PD.9015	PL.59982	B	25T	7.13Y	118.8	0.00	6.23	3.58	0	25	6	97	0.00	0.0	6.517	0.004	0	0	0	4
PL.59983	PD.9015	B	#4 ACSR	7.13Y	118.8	0.01	6.24	3.58	3	25	6	97	0.00	0.0	6.603	0.086	13	3	2	4
PL.55219	PL.59983	B	#4 ACSR	7.13Y	118.8	0.01	6.24	1.74	1	12	3	97	0.00	0.0	6.685	0.082	0	0	0	2
PL.46234	PL.55219	B	#4 ACSR	7.13Y	118.8	0.00	6.24	0.97	1	7	2	96	0.00	0.0	6.803	0.119	7	2	1	1
PL.46531	PL.55219	B	#1/0 ACSR	7.13Y	118.8	0.00	6.24	0.77	0	5	1	98	0.00	0.0	6.813	0.128	5	1	1	1
PL.46001	PL.55217	B	6 A (CWC)	7.13Y	118.8	0.00	6.22	0.00	0	0	0	100	0.00	0.0	6.600	0.087	0	0	0	0
PL.55210	PL.46001	B	6 A (CWC)	7.13Y	118.8	0.00	6.22	0.00	0	0	0	100	0.00	0.0	6.736	0.136	0	0	0	0
PD.8174-A	PL.55210	B	Open	7.13Y	118.8	0.00	6.22	0.00	0	0	0	100	0.00	0.0	6.736	0.136	0	0	0	0
PL.55522	PL.46001	B	#2 ACSR	7.13Y	118.8	0.00	6.22	0.00	0	0	0	100	0.00	0.0	6.657	0.057	0	0	0	0
PL.59980	PL.55217	B	#4 ACSR	7.13Y	118.8	0.00	6.23	0.24	0	2	0	100	0.00	0.0	6.517	0.004	0	0	0	1
PD.9014	PL.59980	B	12T	7.13Y	118.8	0.00	6.23	0.24	0	2	0	100	0.00	0.0	6.517	0.004	0	0	0	1
PL.59981	PD.9014	B	#4 ACSR	7.13Y	118.8	0.00	6.23	0.24	0	2	0	100	0.00	0.0	6.603	0.086	2	0	1	1
PL.59978	PL.46380	B	6 A (CWC)	7.13Y	118.8	0.00	6.19	1.75	1	12	3	97	0.00	0.0	6.356	0.004	0	0	0	1

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

Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.9013	PL.59978	B	25T	7.13Y	118.8	0.00	6.19	1.75	0	12	3	97	0.00	0.0	6.356	0.004	0	0	0	1
PL.64886	PD.9013	B	6 A (CWC)	7.13Y	118.8	0.00	6.20	1.75	1	12	3	97	0.00	0.0	6.414	0.057	0	0	0	1
PL.64887	PL.64886	B	6 A (CWC)	7.13Y	118.8	0.00	6.20	1.75	1	12	3	97	0.00	0.0	6.414	0.000	0	0	0	1
PL.55218	PL.64887	B	6 A (CWC)	7.13Y	118.8	0.00	6.20	1.75	1	12	3	97	0.00	0.0	6.463	0.049	12	3	1	1
PL.52780	PL.52779	ABC	#2 ACSR	7.16Y	119.3	0.14	5.65	49.69	28	1035	268	97	1.16	0.1	5.467	0.114	0	0	0	147
PL.46341	PL.52780	A	6 A (CWC)	7.16Y	119.3	0.00	5.65	1.21	1	8	2	97	0.00	0.0	5.470	0.003	0	0	0	1
PD.7165	PL.46341	A	75QA	7.16Y	119.3	0.00	5.65	1.21	2	8	2	97	0.00	0.0	5.470	0.003	0	0	0	1
PL.56465	PD.7165	A	6 A (CWC)	7.16Y	119.3	0.00	5.65	1.21	1	8	2	97	0.00	0.0	5.539	0.069	8	2	1	1
PL.46340	PL.52780	ABC	#2 ACSR	7.16Y	119.3	0.08	5.73	49.29	28	1025	265	97	0.62	0.1	5.529	0.062	0	0	0	146
PL.46506	PL.46340	ABC	#2 ACSR	7.15Y	119.2	0.05	5.78	48.96	28	1018	263	97	0.41	0.0	5.570	0.042	0	0	0	145
PL.59650	PL.46506	ABC	#2 ACSR	7.15Y	119.1	0.10	5.88	37.41	21	777	202	97	0.58	0.1	5.675	0.104	25	6	2	108
PL.60494	PL.59650	C	6 A (CWC)	7.14Y	119.0	0.15	6.03	65.25	47	451	119	97	0.52	0.1	5.725	0.050	0	0	0	60
PD.9017	PL.60494	C	100CodeSMo	7.14Y	119.0	0.00	6.03	65.25	0	450	119	97	0.00	0.0	5.725	0.050	0	0	0	60
PL.60495	PD.9017	C	6 A (CWC)	7.14Y	119.0	0.02	6.04	65.25	47	450	119	97	0.06	0.0	5.731	0.006	0	0	0	60
PD.8820	PL.60495	C	100L	7.14Y	119.0	0.00	6.04	65.25	65	450	119	97	0.00	0.0	5.731	0.006	0	0	0	60
PL.59867	PD.8820	C	6 A (CWC)	7.13Y	118.9	0.06	6.11	65.25	47	450	119	97	0.21	0.0	5.751	0.020	0	0	1	60
PL.59868	PL.59867	C	6 A (CWC)	7.12Y	118.6	0.30	6.40	65.25	47	450	118	97	1.03	0.2	5.851	0.100	0	0	0	59
PL.46992	PL.59868	C	#2 ACSR	7.12Y	118.6	0.01	6.41	1.89	1	13	3	97	0.00	0.0	6.022	0.171	13	3	1	1
PL.46405	PL.59868	C	#1/0 ACSR	7.11Y	118.5	0.10	6.50	62.05	27	427	112	97	0.30	0.1	5.923	0.072	0	0	0	57
REG31	PL.46405	C	76.2 KVA	7.53Y	125.6	-7.06	-0.56	62.05	62	427	112	97	percent Boost= 0.00 Tap= 0.0							57
PL.46407	REG31	C	#1/0 ACSR	7.53Y	125.5	0.08	-0.48	58.56	25	427	112	97	0.21	0.0	5.981	0.058	7	2	2	57
PL.46406	PL.46407	C	6 A (CWC)	7.48Y	124.7	0.78	0.30	57.65	41	420	110	97	2.38	0.6	6.278	0.297	4	1	1	55
PL.46404	PL.46406	C	6 A (CWC)	7.48Y	124.6	0.11	0.40	57.09	41	413	107	97	0.33	0.1	6.320	0.042	5	1	1	54
PL.46230	PL.46404	C	6 A (CWC)	7.46Y	124.3	0.29	0.69	56.41	40	408	106	97	0.87	0.2	6.433	0.112	0	0	0	53
PL.46456	PL.46230	C	6 A (CWC)	7.45Y	124.1	0.16	0.85	56.41	40	407	105	97	0.48	0.1	6.495	0.062	0	0	0	53
PL.63620	PL.46456	C	#1/0 ACSR	7.44Y	124.1	0.08	0.93	54.78	24	395	102	97	0.20	0.1	6.556	0.061	0	0	0	52
PL.63621	PL.63620	C	#1/0 ACSR	7.44Y	123.9	0.13	1.06	54.78	24	395	102	97	0.33	0.1	6.658	0.102	6	1	1	52
PL.46455	PL.63621	C	6 A (CWC)	7.42Y	123.6	0.36	1.41	53.97	39	389	100	97	1.03	0.3	6.803	0.145	0	0	0	51
PL.46474	PL.46455	C	6 A (CWC)	7.40Y	123.4	0.20	1.61	52.86	38	380	97	97	0.56	0.1	6.888	0.085	10	3	1	50
PL.46077	PL.46474	C	6 A (CWC)	7.39Y	123.1	0.26	1.87	51.41	37	369	94	97	0.71	0.2	6.999	0.111	0	0	0	49
PL.45973	PL.46077	C	#1/0 ACSR	7.39Y	123.1	0.00	1.88	2.65	1	19	5	97	0.00	0.0	7.034	0.035	9	2	1	2

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.45765	PL.45973	C	#1/0 ACSR	7.39Y	123.1	0.00	1.88	1.41	1	10	3	96	0.00	0.0	7.090	0.056	10	3	1	1
PL.45972	PL.46077	C	6 A (CWC)	7.38Y	123.0	0.14	2.02	48.76	35	349	89	97	0.38	0.1	7.064	0.065	0	0	0	47
PL.46076	PL.45972	C	6 A (CWC)	7.37Y	122.9	0.10	2.12	48.76	35	349	89	97	0.26	0.1	7.110	0.046	10	3	1	47
PL.60517	PL.46076	C	6 A (CWC)	7.36Y	122.7	0.16	2.28	47.32	34	338	86	97	0.41	0.1	7.186	0.076	0	0	0	46
PL.62438	PL.60517	C	6 A (CWC)	7.35Y	122.5	0.18	2.47	46.27	33	330	84	97	0.45	0.1	7.273	0.087	0	0	0	45
PL.62478	PL.62438	C	6 A (CWC)	7.35Y	122.4	0.09	2.55	34.32	25	244	62	97	0.16	0.1	7.328	0.055	0	0	0	33
PL.62479	PL.62478	C	6 A (CWC)	7.34Y	122.3	0.18	2.74	34.32	25	244	62	97	0.33	0.1	7.447	0.119	8	2	1	33
PL.46075	PL.62479	C	6 A (CWC)	7.33Y	122.2	0.11	2.85	33.25	24	236	60	97	0.20	0.1	7.524	0.077	7	2	1	32
PL.46074	PL.46075	C	6 A (CWC)	7.32Y	122.0	0.14	2.99	29.51	21	210	53	97	0.23	0.1	7.631	0.107	0	0	0	29
PL.46825	PL.46074	C	6 A (CWC)	7.32Y	122.0	0.00	2.99	0.25	0	2	0	100	0.00	0.0	7.674	0.043	2	0	1	1
PL.46432	PL.46074	C	6 A (CWC)	7.31Y	121.8	0.19	3.19	29.26	21	208	53	97	0.30	0.1	7.775	0.145	0	0	0	28
PL.47031	PL.46432	C	6 A (CWC)	7.30Y	121.7	0.15	3.33	29.26	21	207	53	97	0.23	0.1	7.887	0.111	1	0	1	28
PL.46279	PL.47031	C	6 A (CWC)	7.29Y	121.5	0.20	3.53	29.18	21	206	52	97	0.31	0.2	8.039	0.152	0	0	0	27
PL.46277	PL.46279	C	6 A (CWC)	7.28Y	121.3	0.13	3.67	28.27	20	200	50	97	0.20	0.1	8.141	0.102	0	0	1	26
PL.46276	PL.46277	C	6 A (CWC)	7.28Y	121.3	0.00	3.67	0.00	0	0	0	100	0.00	0.0	8.159	0.017	0	0	0	0
PL.46282	PL.46277	C	6 A (CWC)	7.28Y	121.3	0.08	3.75	28.27	20	200	50	97	0.12	0.1	8.204	0.063	0	0	0	25
PL.46283	PL.46282	C	6 A (CWC)	7.27Y	121.2	0.06	3.80	28.27	20	199	50	97	0.09	0.0	8.249	0.045	0	0	0	25
PL.46274	PL.46283	C	6 A (CWC)	7.27Y	121.1	0.07	3.87	23.24	17	164	41	97	0.09	0.1	8.315	0.066	0	0	0	22
PL.46285	PL.46274	C	6 A (CWC)	7.27Y	121.1	0.00	3.88	18.38	13	130	33	97	0.00	0.0	8.316	0.001	0	0	0	17
PD.7224	PL.46285	C	20T	7.27Y	121.1	0.00	3.88	18.38	0	130	33	97	0.00	0.0	8.316	0.001	0	0	0	17
PL.64580	PD.7224	C	6 A (CWC)	7.27Y	121.1	0.02	3.90	18.38	13	130	33	97	0.02	0.0	8.340	0.024	0	0	0	17
PL.64581	PL.64580	C	6 A (CWC)	7.27Y	121.1	0.00	3.90	18.38	13	130	33	97	0.00	0.0	8.340	0.000	0	0	0	17
PL.64579	PL.64581	C	6 A (CWC)	7.26Y	121.0	0.06	3.96	18.38	13	130	33	97	0.06	0.0	8.416	0.076	0	0	0	17
PL.46221	PL.64579	C	6 A (CWC)	7.26Y	121.0	0.07	4.03	18.38	13	129	33	97	0.07	0.1	8.515	0.099	29	7	2	17
PL.45050	PL.46221	C	6 A (CWC)	7.26Y	121.0	0.00	4.03	0.00	0	0	0	100	0.00	0.0	8.516	0.000	0	0	0	0
PD.7170	PL.45050	C	20T	7.26Y	121.0	0.00	4.03	0.00	0	0	0	100	0.00	0.0	8.516	0.000	0	0	0	0
PL.45051	PD.7170	C	6 A (CWC)	7.26Y	121.0	0.00	4.03	0.00	0	0	0	100	0.00	0.0	8.602	0.087	0	0	0	0
PL.46994	PL.46221	C	#4 ACSR	7.26Y	121.0	0.01	4.04	8.63	7	61	15	97	0.00	0.0	8.536	0.021	33	8	3	8
PL.46995	PL.46994	C	#1/0 ACSR	7.26Y	120.9	0.02	4.06	3.93	2	28	7	97	0.00	0.0	8.755	0.219	6	2	2	5
PL.60482	PL.46995	C	#2 ACSR	7.26Y	120.9	0.00	4.06	2.21	1	16	4	97	0.00	0.0	8.810	0.056	0	0	0	2
PD.9006	PL.60482	C	12T	7.26Y	120.9	0.00	4.06	2.21	0	16	4	97	0.00	0.0	8.810	0.056	0	0	0	2

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.60483	PD.9006	C	#2 ACSR	7.26Y	120.9	0.00	4.06	2.21	1	16	4	97	0.00	0.0	8.915	0.105	16	4	2	2
PL.45049	PL.46995	C	#4 ACSR	7.26Y	120.9	0.00	4.06	0.87	1	6	2	95	0.00	0.0	8.858	0.103	0	0	0	1
PL.46685	PL.45049	C	#2 ACSR	7.26Y	120.9	0.00	4.06	0.87	0	6	2	95	0.00	0.0	8.859	0.002	0	0	0	1
PD.7281	PL.46685	C	40QA	7.26Y	120.9	0.00	4.06	0.87	2	6	2	95	0.00	0.0	8.859	0.002	0	0	0	1
PL.46464	PD.7281	C	#2 ACSR	7.26Y	120.9	0.00	4.06	0.87	0	6	2	95	0.00	0.0	8.964	0.105	6	2	1	1
PL.45048	PL.45049	C	#4 ACSR	7.26Y	120.9	0.00	4.06	0.00	0	0	0	100	0.00	0.0	9.130	0.273	0	0	0	0
PL.60298	PL.45048	C	#4 ACSR	7.26Y	120.9	0.00	4.06	0.00	0	0	0	100	0.00	0.0	9.134	0.004	0	0	0	0
PD.8886-A	PL.60298	C	Open	7.26Y	120.9	0.00	4.06	0.00	0	0	0	100	0.00	0.0	9.134	0.004	0	0	0	0
PL.66648	PL.46221	C	#4 ACSR	7.26Y	121.0	0.00	4.03	5.58	4	39	10	97	0.00	0.0	8.516	0.000	0	0	0	7
PD.10406	PL.66648	C	25T	7.26Y	121.0	0.00	4.03	5.58	0	39	10	97	0.00	0.0	8.516	0.000	0	0	0	7
PL.66649	PD.10406	C	#4 ACSR	7.26Y	121.0	0.01	4.05	5.58	4	39	10	97	0.00	0.0	8.575	0.060	5	1	1	7
PL.45935	PL.66649	C	#4 ACSR	7.26Y	121.0	0.00	4.05	0.48	0	3	1	95	0.00	0.0	8.623	0.048	3	1	1	1
PL.45053	PL.66649	C	#4 ACSR	7.26Y	120.9	0.02	4.06	4.40	3	31	8	97	0.00	0.0	8.714	0.138	20	5	2	5
PL.45936	PL.45053	C	#4 ACSR	7.26Y	120.9	0.00	4.06	0.22	0	2	0	100	0.00	0.0	8.756	0.043	2	0	1	1
PL.45054	PL.45053	C	#4 ACSR	7.26Y	120.9	0.01	4.07	1.32	1	9	2	98	0.00	0.0	8.825	0.112	0	0	0	2
PL.45055	PL.45054	C	#4 ACSR	7.26Y	120.9	0.00	4.07	0.00	0	0	0	100	0.00	0.0	8.843	0.017	0	0	0	0
PL.46682	PL.45054	C	#2 ACSR	7.26Y	120.9	0.00	4.07	1.32	1	9	2	98	0.00	0.0	8.873	0.047	9	2	2	2
PL.43918	PL.46274	C	6 A (CWC)	7.27Y	121.1	0.00	3.88	4.85	3	34	9	97	0.00	0.0	8.337	0.022	34	9	5	5
PL.45052	PL.43918	C	6 A (CWC)	7.27Y	121.1	0.00	3.88	0.00	0	0	0	100	0.00	0.0	8.390	0.053	0	0	0	0
PL.46275	PL.46283	C	#2 ACSR	7.27Y	121.2	0.00	3.80	5.03	3	35	9	97	0.00	0.0	8.250	0.001	0	0	0	3
PD.7280	PL.46275	C	40QA	7.27Y	121.2	0.00	3.80	5.03	13	35	9	97	0.00	0.0	8.250	0.001	0	0	0	3
PL.46655	PD.7280	C	6 A (CWC)	7.27Y	121.2	0.01	3.82	5.03	4	35	9	97	0.00	0.0	8.320	0.070	10	3	1	3
PL.45937	PL.46655	C	#2 ACSR	7.27Y	121.2	0.00	3.82	3.56	2	25	6	97	0.00	0.0	8.341	0.020	0	0	0	2
PL.46280	PL.45937	C	#2 ACSR	7.27Y	121.2	0.00	3.82	3.56	2	25	6	97	0.00	0.0	8.369	0.029	11	3	1	2
PL.46281	PL.46280	C	#2 ACSR	7.27Y	121.2	0.00	3.83	1.99	1	14	4	96	0.00	0.0	8.454	0.084	14	4	1	1
PL.46278	PL.46279	C	6 A (CWC)	7.29Y	121.5	0.00	3.53	0.91	1	6	2	95	0.00	0.0	8.039	0.000	0	0	0	1
PD.7169	PL.46278	C	40QA	7.29Y	121.5	0.00	3.53	0.91	2	6	2	95	0.00	0.0	8.039	0.000	0	0	0	1
PL.46284	PD.7169	C	6 A (CWC)	7.29Y	121.5	0.00	3.54	0.91	1	6	2	95	0.00	0.0	8.057	0.018	6	2	1	1
PL.43915	PL.46075	C	6 A (CWC)	7.33Y	122.2	0.00	2.85	2.76	2	20	5	97	0.00	0.0	7.536	0.013	20	5	2	2
PL.62481	PL.62438	C	6 A (CWC)	7.35Y	122.5	0.00	2.47	11.96	9	85	21	97	0.00	0.0	7.276	0.003	0	0	0	12
PD.9351	PL.62481	C	25T	7.35Y	122.5	0.00	2.47	11.96	0	85	21	97	0.00	0.0	7.276	0.003	0	0	0	12

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.66223	PD.9351	C	6 A (CWC)	7.35Y	122.5	0.07	2.54	11.96	9	85	21	97	0.04	0.1	7.400	0.124	0	0	0	12
PL.66222	PL.66223	C	6 A (CWC)	7.35Y	122.4	0.04	2.58	11.96	9	85	21	97	0.02	0.0	7.493	0.093	25	6	4	12
PL.46417	PL.66222	C	6 A (CWC)	7.34Y	122.4	0.03	2.61	8.41	6	60	15	97	0.01	0.0	7.568	0.075	8	2	1	8
PL.60513	PL.46417	C	6 A (CWC)	7.34Y	122.4	0.00	2.61	1.53	1	11	3	96	0.00	0.0	7.572	0.003	0	0	0	2
PD.9025	PL.60513	C	15T	7.34Y	122.4	0.00	2.61	1.53	0	11	3	96	0.00	0.0	7.572	0.003	0	0	0	2
PL.60514	PD.9025	C	6 A (CWC)	7.34Y	122.4	0.01	2.61	1.53	1	11	3	96	0.00	0.0	7.659	0.088	0	0	0	2
PL.46488	PL.60514	C	#4 ACSR	7.34Y	122.4	0.00	2.61	1.53	1	11	3	96	0.00	0.0	7.739	0.079	11	3	1	1
PL.47061	PL.60514	C	6 A (CWC)	7.34Y	122.4	0.00	2.61	0.01	0	0	0	100	0.00	0.0	7.818	0.159	0	0	1	1
PL.46416	PL.46417	C	6 A (CWC)	7.34Y	122.4	0.02	2.63	5.77	4	41	10	97	0.01	0.0	7.648	0.080	0	0	0	5
PL.46415	PL.46416	C	6 A (CWC)	7.34Y	122.4	0.01	2.64	5.77	4	41	10	97	0.00	0.0	7.706	0.058	4	1	2	5
PL.46505	PL.46415	C	6 A (CWC)	7.34Y	122.3	0.02	2.66	5.28	4	38	9	97	0.01	0.0	7.806	0.100	11	3	1	3
PL.60520	PL.46505	C	6 A (CWC)	7.34Y	122.3	0.00	2.66	0.00	0	0	0	100	0.00	0.0	7.897	0.091	0	0	0	0
PD.8863-B	PL.60520	C	Open	7.34Y	122.3	0.00	2.66	0.00	0	0	0	100	0.00	0.0	7.897	0.091	0	0	0	0
PL.60515	PL.46505	C	#2 ACSR	7.34Y	122.3	0.00	2.66	3.77	2	27	7	97	0.00	0.0	7.809	0.004	0	0	0	2
PD.9026	PL.60515	C	15T	7.34Y	122.3	0.00	2.66	3.77	0	27	7	97	0.00	0.0	7.809	0.004	0	0	0	2
PL.60516	PD.9026	C	#2 ACSR	7.34Y	122.3	0.01	2.67	3.77	2	27	7	97	0.00	0.0	7.921	0.112	27	7	2	2
PL.60518	PL.60517	C	6 A (CWC)	7.36Y	122.7	0.00	2.28	1.05	1	7	2	96	0.00	0.0	7.253	0.067	7	2	1	1
PL.60496	PL.46455	C	6 A (CWC)	7.42Y	123.6	0.00	1.41	1.11	1	8	2	97	0.00	0.0	6.806	0.003	0	0	0	1
PD.9018	PL.60496	C	15T	7.42Y	123.6	0.00	1.41	1.11	0	8	2	97	0.00	0.0	6.806	0.003	0	0	0	1
PL.60497	PD.9018	C	6 A (CWC)	7.42Y	123.6	0.00	1.41	1.11	1	8	2	97	0.00	0.0	6.826	0.020	8	2	1	1
PL.46532	PL.46456	C	#4 ACSR	7.45Y	124.1	0.00	0.86	1.63	1	12	3	97	0.00	0.0	6.572	0.077	12	3	1	1
PL.46698	PL.46230	C	#2 ACSR	7.46Y	124.3	0.00	0.69	0.00	0	0	0	100	0.00	0.0	6.492	0.059	0	0	0	0
PL.46826	PL.59868	C	6 A (CWC)	7.12Y	118.6	0.00	6.40	1.31	1	9	2	98	0.00	0.0	5.896	0.045	9	2	1	1
PL.59651	PL.59650	ABC	#2 ACSR	7.14Y	119.1	0.04	5.92	14.48	8	301	76	97	0.09	0.0	5.783	0.108	0	0	0	46
PL.60545	PL.59651	ABC	#2 ACSR	7.14Y	119.1	0.00	5.92	14.48	8	301	76	97	0.00	0.0	5.786	0.003	0	0	0	46
PD.9027	PL.60545	ABC	50L	7.14Y	119.1	0.00	5.92	14.48	29	301	76	97	0.00	0.0	5.786	0.003	0	0	0	46
PL.60546	PD.9027	ABC	#2 ACSR	7.14Y	119.0	0.07	5.99	14.48	8	301	76	97	0.16	0.1	5.971	0.185	0	0	0	46
PL.59649	PL.60546	ABC	#2 ACSR	7.14Y	119.0	0.06	6.05	13.80	8	287	73	97	0.14	0.0	6.157	0.186	5	1	1	44
PL.46467	PL.59649	ABC	#2 ACSR	7.13Y	118.9	0.04	6.09	13.55	8	281	71	97	0.09	0.0	6.273	0.116	0	0	0	43
PL.47000	PL.46467	ABC	#2 ACSR	7.13Y	118.8	0.07	6.15	13.55	8	281	71	97	0.14	0.1	6.465	0.192	0	0	0	43
PL.64070	PL.47000	C	#1/0 ACSR	7.13Y	118.8	0.00	6.15	0.99	0	7	2	96	0.00	0.0	6.468	0.003	0	0	0	1

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

Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.9526	PL.64070	C	10T	7.13Y	118.8	0.00	6.15	0.99	0	7	2	96	0.00	0.0	6.468	0.003	0	0	0	1
PL.64071	PD.9526	C	#1/0 ACSR	7.13Y	118.8	0.00	6.15	0.99	0	7	2	96	0.00	0.0	6.509	0.040	7	2	1	1
PL.47001	PL.47000	ABC	#2 ACSR	7.13Y	118.8	0.06	6.21	13.22	8	274	69	97	0.12	0.0	6.632	0.167	0	0	0	42
PL.46338	PL.47001	ABC	6 A (CWC)	7.13Y	118.8	0.02	6.23	10.32	7	214	54	97	0.04	0.0	6.695	0.063	9	2	1	34
PL.46339	PL.46338	ABC	6 A (CWC)	7.12Y	118.7	0.03	6.26	9.90	7	205	52	97	0.05	0.0	6.768	0.073	7	2	2	33
PL.60548	PL.46339	B	6 A (CWC)	7.12Y	118.7	0.06	6.32	28.01	20	193	49	97	0.09	0.0	6.813	0.045	0	0	0	30
PD.9028	PL.60548	B	50L	7.12Y	118.7	0.00	6.32	28.01	56	193	49	97	0.00	0.0	6.813	0.045	0	0	0	30
PL.60549	PD.9028	B	6 A (CWC)	7.11Y	118.5	0.16	6.48	28.01	20	193	49	97	0.24	0.1	6.945	0.132	12	3	1	30
PL.60547	PL.60549	B	6 A (CWC)	7.10Y	118.4	0.11	6.60	24.60	18	170	43	97	0.15	0.1	7.049	0.104	5	1	1	27
REG33	PL.60547	B	76.2 KVA	7.53Y	125.5	-7.06	-0.46	23.87	24	164	41	97	percent Boost= 0.00 Tap= 0.0							26
PL.46433	REG33	B	#1/0 ACSR	7.53Y	125.5	0.00	-0.46	0.99	0	7	2	96	0.00	0.0	7.076	0.027	7	2	1	1
PL.46233	REG33	B	6 A (CWC)	7.52Y	125.4	0.05	-0.41	21.54	15	157	40	97	0.05	0.0	7.098	0.049	0	0	0	25
PL.60552	PL.46233	B	6 A (CWC)	7.52Y	125.4	0.00	-0.41	9.96	7	73	18	97	0.00	0.0	7.101	0.003	0	0	0	13
PD.9030	PL.60552	B	35CodeSMod	7.52Y	125.4	0.00	-0.41	9.96	0	73	18	97	0.00	0.0	7.101	0.003	0	0	0	13
PL.60553	PD.9030	B	6 A (CWC)	7.52Y	125.4	0.03	-0.39	9.96	7	73	18	97	0.01	0.0	7.162	0.061	10	3	1	13
PL.46389	PL.60553	B	6 A (CWC)	7.52Y	125.4	0.03	-0.35	8.55	6	62	16	97	0.02	0.0	7.250	0.088	0	0	0	12
PL.46457	PL.46389	B	#2 ACSR	7.52Y	125.4	0.00	-0.35	1.65	1	12	3	97	0.00	0.0	7.275	0.025	12	3	2	2
PL.46458	PL.46457	B	#2 ACSR	7.52Y	125.4	0.00	-0.35	0.00	0	0	0	100	0.00	0.0	7.375	0.101	0	0	0	0
PL.46459	PL.46458	B	#2 ACSR	7.52Y	125.4	0.00	-0.35	0.00	0	0	0	100	0.00	0.0	7.413	0.038	0	0	0	0
PL.62731	PL.46389	B	6 A (CWC)	7.52Y	125.3	0.04	-0.32	6.90	5	50	13	97	0.01	0.0	7.363	0.113	0	0	0	10
PL.62728	PL.62731	B	6 A (CWC)	7.52Y	125.3	0.00	-0.32	3.76	3	27	7	97	0.00	0.0	7.366	0.003	0	0	0	4
PD.9032	PL.62728	B	20T	7.52Y	125.3	0.00	-0.32	3.76	0	27	7	97	0.00	0.0	7.366	0.003	0	0	0	4
PL.62729	PD.9032	B	6 A (CWC)	7.52Y	125.3	0.01	-0.31	3.76	3	27	7	97	0.00	0.0	7.424	0.058	0	0	0	4
PL.46460	PL.62729	B	6 A (CWC)	7.52Y	125.3	0.02	-0.29	3.76	3	27	7	97	0.00	0.0	7.578	0.153	12	3	1	4
PL.46461	PL.46460	B	6 A (CWC)	7.52Y	125.3	0.01	-0.28	2.05	1	15	4	97	0.00	0.0	7.666	0.089	0	0	0	3
PL.46476	PL.46461	B	6 A (CWC)	7.52Y	125.3	0.00	-0.28	1.34	1	10	2	98	0.00	0.0	7.699	0.033	10	2	2	2
PL.46462	PL.46461	B	6 A (CWC)	7.52Y	125.3	0.00	-0.28	0.71	1	5	1	98	0.00	0.0	7.718	0.051	5	1	1	1
PL.46463	PL.46462	B	6 A (CWC)	7.52Y	125.3	0.00	-0.28	0.00	0	0	0	100	0.00	0.0	7.866	0.148	0	0	0	0
PL.62730	PL.62731	B	6 A (CWC)	7.52Y	125.3	0.00	-0.32	3.14	2	23	6	97	0.00	0.0	7.366	0.004	0	0	0	6
PD.9033	PL.62730	B	20T	7.52Y	125.3	0.00	-0.32	3.14	0	23	6	97	0.00	0.0	7.366	0.004	0	0	0	6
PL.60556	PD.9033	B	6 A (CWC)	7.52Y	125.3	0.00	-0.31	3.14	2	23	6	97	0.00	0.0	7.398	0.031	0	0	0	6

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.43919	PL.60556	B	6 A (CWC)	7.52Y	125.3	0.00	-0.31	1.09	1	8	2	97	0.00	0.0	7.508	0.110	8	2	3	3
PL.43920	PL.60556	B	#4 ACSR	7.52Y	125.3	0.01	-0.30	2.05	2	15	4	97	0.00	0.0	7.498	0.100	10	2	2	3
PL.46511	PL.43920	B	#4 ACSR	7.52Y	125.3	0.00	-0.30	0.70	1	5	1	98	0.00	0.0	7.665	0.167	5	1	1	1
PL.60446	PL.46233	B	6 A (CWC)	7.52Y	125.4	0.05	-0.37	11.58	8	84	21	97	0.03	0.0	7.185	0.087	0	0	0	12
PL.60447	PL.60446	B	6 A (CWC)	7.52Y	125.3	0.05	-0.32	11.58	8	84	21	97	0.03	0.0	7.275	0.091	0	0	0	12
PL.46500	PL.60447	B	6 A (CWC)	7.52Y	125.3	0.03	-0.29	10.37	7	76	19	97	0.02	0.0	7.337	0.062	4	1	1	11
PL.46501	PL.46500	B	6 A (CWC)	7.52Y	125.3	0.03	-0.26	9.80	7	71	18	97	0.02	0.0	7.418	0.081	4	1	1	10
PL.46502	PL.46501	B	6 A (CWC)	7.51Y	125.2	0.06	-0.20	9.27	7	68	17	97	0.03	0.0	7.557	0.139	0	0	0	9
PL.60557	PL.46502	B	6 A (CWC)	7.51Y	125.2	0.00	-0.20	8.61	6	63	16	97	0.00	0.0	7.560	0.003	0	0	0	7
PD.9034	PL.60557	B	20T	7.51Y	125.2	0.00	-0.20	8.61	0	63	16	97	0.00	0.0	7.560	0.003	0	0	0	7
PL.60558	PD.9034	B	6 A (CWC)	7.51Y	125.2	0.01	-0.19	8.61	6	63	16	97	0.00	0.0	7.591	0.031	16	4	1	7
PL.46215	PL.60558	B	6 A (CWC)	7.51Y	125.2	0.00	-0.18	1.21	1	9	2	98	0.00	0.0	7.656	0.065	9	2	1	1
PL.64583	PL.60558	B	6 A (CWC)	7.51Y	125.1	0.05	-0.14	5.22	4	38	10	97	0.01	0.0	7.800	0.209	0	0	0	5
PL.64582	PL.64583	B	#1/0 ACSR	7.51Y	125.1	0.00	-0.13	3.49	2	25	6	97	0.00	0.0	7.844	0.044	18	5	1	3
PL.63730	PL.64582	B	#1/0 ACSR	7.51Y	125.1	0.00	-0.13	1.01	0	7	2	96	0.00	0.0	7.887	0.043	7	2	1	2
PL.63731	PL.63730	B	#1/0 ACSR	7.51Y	125.1	0.00	-0.13	0.00	0	0	0	100	0.00	0.0	7.927	0.040	0	0	1	1
PL.64584	PL.64583	B	6 A (CWC)	7.51Y	125.1	0.00	-0.13	1.73	1	13	3	97	0.00	0.0	7.888	0.088	13	3	2	2
PL.60559	PL.46502	B	6 A (CWC)	7.51Y	125.2	0.00	-0.20	0.66	0	5	1	98	0.00	0.0	7.560	0.003	0	0	0	2
PD.9035	PL.60559	B	20T	7.51Y	125.2	0.00	-0.20	0.66	0	5	1	98	0.00	0.0	7.560	0.003	0	0	0	2
PL.60560	PD.9035	B	6 A (CWC)	7.51Y	125.2	0.00	-0.20	0.66	0	5	1	98	0.00	0.0	7.618	0.057	5	1	2	2
PL.60554	PL.60447	B	#4 ACSR	7.52Y	125.3	0.00	-0.32	1.21	1	9	2	98	0.00	0.0	7.279	0.004	0	0	0	1
PD.9031	PL.60554	B	12T	7.52Y	125.3	0.00	-0.32	1.21	0	9	2	98	0.00	0.0	7.279	0.004	0	0	0	1
PL.60555	PD.9031	B	#4 ACSR	7.52Y	125.3	0.00	-0.32	1.21	1	9	2	98	0.00	0.0	7.350	0.071	9	2	1	1
PL.60448	PL.60446	B	#4/0 ACSR	7.52Y	125.4	0.00	-0.37	0.00	0	0	0	100	0.00	0.0	7.208	0.023	0	0	0	0
PL.60550	PL.60549	B	6 A (CWC)	7.11Y	118.5	0.00	6.48	1.68	1	12	3	97	0.00	0.0	6.949	0.004	0	0	0	2
PD.9029	PL.60550	B	20T	7.11Y	118.5	0.00	6.48	1.68	0	12	3	97	0.00	0.0	6.949	0.004	0	0	0	2
PL.60551	PD.9029	B	6 A (CWC)	7.11Y	118.5	0.00	6.48	1.68	1	12	3	97	0.00	0.0	6.982	0.034	10	2	1	2
PL.46232	PL.60551	B	6 A (CWC)	7.11Y	118.5	0.00	6.48	0.26	0	2	0	100	0.00	0.0	7.077	0.095	2	0	1	1
PL.46529	PL.46339	C	6 A (CWC)	7.12Y	118.7	0.00	6.26	0.66	0	5	1	98	0.00	0.0	6.769	0.001	0	0	0	1
PD.7260	PL.46529	C	40QA	7.12Y	118.7	0.00	6.26	0.66	2	5	1	98	0.00	0.0	6.769	0.001	0	0	0	1
PL.46530	PD.7260	C	6 A (CWC)	7.12Y	118.7	0.00	6.27	0.66	0	5	1	98	0.00	0.0	6.971	0.202	5	1	1	1

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.46231	PL.47001	C	6 A (CWC)	7.13Y	118.8	0.00	6.21	8.71	6	60	15	97	0.00	0.0	6.633	0.001	0	0	0	8
PD.6997	PL.46231	C	40QA	7.13Y	118.8	0.00	6.21	8.71	22	60	15	97	0.00	0.0	6.633	0.001	0	0	0	8
PL.47002	PD.6997	C	6 A (CWC)	7.12Y	118.7	0.13	6.34	8.71	6	60	15	97	0.06	0.1	6.960	0.326	0	0	0	8
PL.46990	PL.47002	C	#4 ACSR	7.12Y	118.7	0.00	6.34	1.51	1	10	3	96	0.00	0.0	7.036	0.077	10	3	3	3
PL.60521	PL.47002	C	6 A (CWC)	7.12Y	118.6	0.02	6.36	7.20	5	50	12	97	0.01	0.0	7.008	0.049	0	0	0	5
PD.8864	PL.60521	C	15T	7.12Y	118.6	0.00	6.36	7.20	0	50	12	97	0.00	0.0	7.008	0.049	0	0	0	5
PL.60522	PD.8864	C	6 A (CWC)	7.12Y	118.6	0.00	6.36	7.20	5	50	12	97	0.00	0.0	7.012	0.004	14	4	1	5
PL.46503	PL.60522	C	6 A (CWC)	7.12Y	118.6	0.02	6.37	5.12	4	35	9	97	0.00	0.0	7.115	0.103	19	5	2	4
PL.46326	PL.46503	C	#4 ACSR	7.12Y	118.6	0.00	6.37	0.40	0	3	1	95	0.00	0.0	7.211	0.096	3	1	1	1
PL.46504	PL.46503	C	6 A (CWC)	7.12Y	118.6	0.00	6.38	1.99	1	14	3	98	0.00	0.0	7.207	0.092	14	3	1	1
PL.60519	PL.46504	C	6 A (CWC)	7.12Y	118.6	0.00	6.38	0.00	0	0	0	100	0.00	0.0	7.210	0.003	0	0	0	0
PD.8863-A	PL.60519	C	Open	7.12Y	118.6	0.00	6.38	0.00	0	0	0	100	0.00	0.0	7.210	0.003	0	0	0	0
PL.59648	PL.60546	A	#4 ACSR	7.14Y	119.0	0.00	5.99	2.05	2	14	4	96	0.00	0.0	5.972	0.002	0	0	0	2
PD.6996	PL.59648	A	12T	7.14Y	119.0	0.00	5.99	2.05	0	14	4	96	0.00	0.0	5.972	0.002	0	0	0	2
PL.46466	PD.6996	A	#4 ACSR	7.14Y	119.0	0.00	5.99	2.05	2	14	4	96	0.00	0.0	6.031	0.058	2	1	1	2
PL.46465	PL.46466	A	#4 ACSR	7.14Y	119.0	0.01	6.00	1.76	1	12	3	97	0.00	0.0	6.212	0.182	12	3	1	1
PL.46190	PL.46506	A	6 A (CWC)	7.15Y	119.2	0.03	5.81	34.66	25	240	61	97	0.06	0.0	5.591	0.021	0	0	0	37
PL.43914	PL.46190	A	6 A (CWC)	7.15Y	119.2	0.00	5.81	34.66	25	240	61	97	0.00	0.0	5.592	0.000	0	0	0	37
PD.7303	PL.43914	A	50L	7.15Y	119.2	0.00	5.81	34.66	69	240	61	97	0.00	0.0	5.592	0.000	0	0	0	37
PL.60498	PD.7303	A	6 A (CWC)	7.15Y	119.2	0.00	5.82	34.66	25	240	61	97	0.01	0.0	5.595	0.003	0	0	0	37
PD.9019-A	PL.60498	A	Closed	7.15Y	119.2	0.00	5.82	34.66	0	240	61	97	0.00	0.0	5.595	0.003	0	0	0	37
PD.9019-B	PD.9019-A	A	Closed	7.15Y	119.2	0.00	5.82	34.66	0	240	61	97	0.00	0.0	5.595	0.003	0	0	0	37
PL.60499	PD.9019-B	A	6 A (CWC)	7.15Y	119.1	0.08	5.90	34.66	25	240	61	97	0.14	0.1	5.645	0.050	5	1	2	37
PL.56259	PL.60499	A	6 A (CWC)	7.13Y	118.9	0.19	6.09	33.90	24	235	60	97	0.34	0.1	5.772	0.128	9	2	1	35
PL.56260	PL.56259	A	6 A (CWC)	7.13Y	118.8	0.08	6.17	32.59	23	225	57	97	0.15	0.1	5.830	0.058	7	2	1	34
PL.60500	PL.56260	A	#2 ACSR	7.13Y	118.8	0.00	6.17	0.47	0	3	1	95	0.00	0.0	5.833	0.003	0	0	0	2
PD.9020	PL.60500	A	25T	7.13Y	118.8	0.00	6.17	0.47	0	3	1	95	0.00	0.0	5.833	0.003	0	0	0	2
PL.60501	PD.9020	A	#2 ACSR	7.13Y	118.8	0.00	6.17	0.47	0	3	1	95	0.00	0.0	5.898	0.065	3	1	1	2
PL.56261	PL.60501	A	#2 ACSR	7.13Y	118.8	0.00	6.17	0.02	0	0	0	100	0.00	0.0	5.980	0.082	0	0	1	1
PL.60502	PL.56260	A	6 A (CWC)	7.12Y	118.7	0.14	6.32	31.10	22	215	55	97	0.23	0.1	5.932	0.102	7	2	1	31
PL.60505	PL.60502	A	6 A (CWC)	7.12Y	118.7	0.00	6.32	0.00	0	0	0	100	0.00	0.0	5.935	0.003	0	0	0	0

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.9021	PL.60505	A	15T	7.12Y	118.7	0.00	6.32	0.00	0	0	0	100	0.00	0.0	5.935	0.003	0	0	0	0
PL.60506	PD.9021	A	6 A (CWC)	7.12Y	118.7	0.00	6.32	0.00	0	0	0	100	0.00	0.0	5.964	0.029	0	0	0	0
PL.60504	PL.60506	A	6 A (CWC)	7.12Y	118.7	0.00	6.32	0.00	0	0	0	100	0.00	0.0	5.997	0.034	0	0	0	0
PL.60503	PL.60502	A	6 A (CWC)	7.11Y	118.6	0.13	6.45	30.03	21	207	53	97	0.21	0.1	6.029	0.097	6	2	1	30
REG32	PL.60503	A	76.2 KVA	7.54Y	125.6	-7.07	-0.62	29.13	29	201	51	97	percent Boost= 5.62			Tap= 9.0				29
PL.56262	REG32	A	6 A (CWC)	7.53Y	125.5	0.08	-0.54	27.49	20	201	51	97	0.12	0.1	6.098	0.069	8	2	1	29
PL.56263	PL.56262	A	6 A (CWC)	7.52Y	125.4	0.17	-0.37	26.37	19	193	49	97	0.24	0.1	6.240	0.142	0	0	0	28
PL.56264	PL.56263	A	6 A (CWC)	7.51Y	125.2	0.21	-0.15	26.37	19	192	49	97	0.30	0.2	6.417	0.177	0	0	0	28
PL.46625	PL.56264	A	6 A (CWC)	7.50Y	125.0	0.17	0.01	21.65	15	158	40	97	0.19	0.1	6.588	0.172	4	1	1	22
PL.46626	PL.46625	A	6 A (CWC)	7.50Y	124.9	0.06	0.08	21.10	15	153	39	97	0.07	0.0	6.655	0.066	9	2	1	21
PL.46418	PL.46626	A	6 A (CWC)	7.49Y	124.8	0.08	0.15	19.86	14	144	36	97	0.08	0.1	6.742	0.087	10	3	1	20
PL.46419	PL.46418	A	6 A (CWC)	7.48Y	124.7	0.15	0.30	18.45	13	134	34	97	0.14	0.1	6.939	0.197	22	5	2	19
PL.46219	PL.46419	A	6 A (CWC)	7.48Y	124.7	0.04	0.35	15.47	11	112	28	97	0.03	0.0	7.003	0.064	10	3	1	17
PL.62970	PL.46219	A	6 A (CWC)	7.47Y	124.5	0.15	0.50	14.09	10	102	26	97	0.12	0.1	7.242	0.238	0	0	1	16
PL.62968	PL.62970	A	6 A (CWC)	7.47Y	124.5	0.00	0.50	12.08	9	88	22	97	0.00	0.0	7.245	0.003	0	0	0	14
PD.9022	PL.62968	A	20T	7.47Y	124.5	0.00	0.50	12.08	0	88	22	97	0.00	0.0	7.245	0.003	0	0	0	14
PL.60507	PD.9022	A	6 A (CWC)	7.47Y	124.4	0.07	0.57	12.08	9	88	22	97	0.04	0.0	7.379	0.134	12	3	1	14
PL.46436	PL.60507	A	6 A (CWC)	7.46Y	124.3	0.09	0.66	10.45	7	76	19	97	0.05	0.1	7.582	0.203	8	2	1	13
PL.46420	PL.46436	A	6 A (CWC)	7.46Y	124.3	0.05	0.71	8.12	6	59	15	97	0.02	0.0	7.726	0.143	3	1	1	11
PL.60511	PL.46420	A	6 A (CWC)	7.46Y	124.3	0.00	0.71	0.33	0	2	1	89	0.00	0.0	7.729	0.004	0	0	0	1
PD.9024	PL.60511	A	12T	7.46Y	124.3	0.00	0.71	0.33	0	2	1	89	0.00	0.0	7.729	0.004	0	0	0	1
PL.60512	PD.9024	A	6 A (CWC)	7.46Y	124.3	0.00	0.71	0.33	0	2	1	89	0.00	0.0	7.856	0.127	2	1	1	1
PL.46328	PL.46420	A	6 A (CWC)	7.46Y	124.3	0.03	0.74	7.32	5	53	13	97	0.01	0.0	7.802	0.077	0	0	1	9
PL.59492	PL.46328	A	#4 ACSR	7.46Y	124.3	0.00	0.74	0.00	0	0	0	100	0.00	0.0	7.836	0.034	0	0	0	0
PL.63544	PL.46328	A	6 A (CWC)	7.45Y	124.2	0.03	0.77	7.32	5	53	13	97	0.01	0.0	7.898	0.096	6	2	1	8
PL.63545	PL.63544	A	6 A (CWC)	7.45Y	124.2	0.00	0.77	6.43	5	47	12	97	0.00	0.0	7.898	0.000	0	0	0	7
PL.46329	PL.63545	A	6 A (CWC)	7.45Y	124.2	0.02	0.79	4.25	3	31	8	97	0.00	0.0	8.007	0.109	0	0	0	5
PL.60593	PL.46329	A	#1/0 ACSR	7.45Y	124.2	0.00	0.79	0.71	0	5	1	98	0.00	0.0	8.039	0.032	5	1	1	1
PL.46330	PL.46329	A	6 A (CWC)	7.45Y	124.2	0.02	0.80	3.53	3	26	6	97	0.00	0.0	8.108	0.101	2	0	1	4
PL.46332	PL.46330	A	6 A (CWC)	7.45Y	124.2	0.01	0.82	3.30	2	24	6	97	0.00	0.0	8.180	0.072	0	0	0	3
PL.46331	PL.46332	A	6 A (CWC)	7.45Y	124.2	0.00	0.82	1.74	1	13	3	97	0.00	0.0	8.252	0.072	8	2	1	2

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.46333	PL.46331	A	6 A (CWC)	7.45Y	124.2	0.00	0.82	0.70	1	5	1	98	0.00	0.0	8.323	0.071	5	1	1	1
PL.63008	PL.46332	A	#2 ACSR	7.45Y	124.2	0.00	0.82	1.55	1	11	3	96	0.00	0.0	8.180	0.000	11	3	1	1
PL.63009	PL.63008	A	#2 ACSR	7.45Y	124.2	0.00	0.82	0.00	0	0	0	100	0.00	0.0	8.228	0.048	0	0	0	0
PL.46523	PL.63545	A	#4 ACSR	7.45Y	124.2	0.00	0.77	2.19	2	16	4	97	0.00	0.0	7.968	0.070	16	4	2	2
PL.60509	PL.46436	A	#2 ACSR	7.46Y	124.3	0.00	0.66	1.23	1	9	2	98	0.00	0.0	7.586	0.004	0	0	0	1
PD.9023	PL.60509	A	12T	7.46Y	124.3	0.00	0.66	1.23	0	9	2	98	0.00	0.0	7.586	0.004	0	0	0	1
PL.60510	PD.9023	A	#2 ACSR	7.46Y	124.3	0.00	0.66	1.23	1	9	2	98	0.00	0.0	7.718	0.132	9	2	1	1
PL.62967	PL.62970	A	6 A (CWC)	7.47Y	124.5	0.00	0.50	2.01	1	15	4	97	0.00	0.0	7.302	0.060	15	4	1	1
PL.60508	PL.62967	A	6 A (CWC)	7.47Y	124.5	0.00	0.50	0.00	0	0	0	100	0.00	0.0	7.302	0.000	0	0	0	0
PL.62969	PL.62967	A	6 A (CWC)	7.47Y	124.5	0.00	0.50	0.00	0	0	0	100	0.00	0.0	7.305	0.003	0	0	0	0
PD.9401-B	PL.62969	A	Open	7.47Y	124.5	0.00	0.50	0.00	0	0	0	100	0.00	0.0	7.305	0.003	0	0	0	0
PL.46525	PL.56264	A	#2 ACSR	7.51Y	125.2	0.00	-0.15	1.29	1	9	2	98	0.00	0.0	6.491	0.075	9	2	1	1
PL.46728	PL.56264	A	6 A (CWC)	7.51Y	125.1	0.01	-0.15	3.44	2	25	6	97	0.00	0.0	6.476	0.060	12	3	3	5
PL.63599	PL.46728	A	#1/0 ACSR	7.51Y	125.1	0.00	-0.14	1.73	1	13	3	97	0.00	0.0	6.527	0.051	0	0	0	2
PL.64769	PL.63599	A	#1/0 ACSR	7.51Y	125.1	0.00	-0.14	1.73	1	13	3	97	0.00	0.0	6.578	0.051	13	3	2	2
PL.46507	PL.46340	A	#2 ACSR	7.16Y	119.3	0.00	5.73	0.96	1	7	2	96	0.00	0.0	5.529	0.001	0	0	0	1
PD.7254	PL.46507	A	10T	7.16Y	119.3	0.00	5.73	0.96	0	7	2	96	0.00	0.0	5.529	0.001	0	0	0	1
PL.46508	PD.7254	A	#2 ACSR	7.16Y	119.3	0.00	5.73	0.96	1	7	2	96	0.00	0.0	5.629	0.100	7	2	1	1
PL.52781	PL.52779	A	#1/0 ACSR	7.17Y	119.5	0.00	5.51	0.21	0	1	0	100	0.00	0.0	5.356	0.004	0	0	0	2
PD.7262	PL.52781	A	75QA	7.17Y	119.5	0.00	5.51	0.21	0	1	0	100	0.00	0.0	5.356	0.004	0	0	0	2
PL.56464	PD.7262	A	#1/0 ACSR	7.17Y	119.5	0.00	5.51	0.21	0	1	0	100	0.00	0.0	5.428	0.072	1	0	2	2
PL.60252	PL.60250	B	#1/0 ACSR	7.19Y	119.9	0.00	5.11	1.43	1	10	3	96	0.00	0.0	5.070	0.003	0	0	0	1
PD.8952	PL.60252	B	15T	7.19Y	119.9	0.00	5.11	1.43	0	10	3	96	0.00	0.0	5.070	0.003	0	0	0	1
PL.60253	PD.8952	B	#1/0 ACSR	7.19Y	119.9	0.00	5.11	1.43	1	10	3	96	0.00	0.0	5.142	0.072	10	3	1	1
PL.56458	PL.56457	B	6 A (CWC)	7.20Y	120.0	0.00	4.98	0.00	0	0	0	100	0.00	0.0	5.055	0.081	0	0	0	0
PL.46815	PL.46814	A	6 A (CWC)	7.22Y	120.3	0.00	4.73	8.69	6	61	15	97	0.00	0.0	4.807	0.004	0	0	0	12
PD.6994	PL.46815	A	50T	7.22Y	120.3	0.00	4.73	8.69	0	61	15	97	0.00	0.0	4.807	0.004	0	0	0	12
PL.46816	PD.6994	A	6 A (CWC)	7.21Y	120.2	0.04	4.78	8.69	6	61	15	97	0.02	0.0	4.915	0.108	0	0	0	12
PL.46817	PL.46816	A	6 A (CWC)	7.21Y	120.2	0.01	4.79	7.34	5	51	13	97	0.01	0.0	4.954	0.039	0	0	0	11
PL.46227	PL.46817	A	#4 ACSR	7.21Y	120.2	0.01	4.79	2.26	2	16	4	97	0.00	0.0	5.065	0.111	16	4	2	2
PL.46818	PL.46817	A	6 A (CWC)	7.21Y	120.2	0.02	4.81	5.08	4	36	9	97	0.00	0.0	5.032	0.078	0	0	0	9

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.46552	PL.46818	A	6 A (CWC)	7.21Y	120.2	0.01	4.81	4.51	3	32	8	97	0.00	0.0	5.071	0.039	0	0	3	8
PL.46553	PL.46552	A	6 A (CWC)	7.21Y	120.2	0.00	4.82	4.51	3	32	8	97	0.00	0.0	5.085	0.014	0	0	0	5
PL.45967	PL.46553	A	6 A (CWC)	7.21Y	120.2	0.01	4.83	4.51	3	32	8	97	0.00	0.0	5.134	0.049	11	3	1	5
PL.46554	PL.45967	A	6 A (CWC)	7.21Y	120.2	0.01	4.83	2.92	2	20	5	97	0.00	0.0	5.192	0.058	6	2	1	4
PL.46555	PL.46554	A	6 A (CWC)	7.21Y	120.2	0.00	4.84	2.00	1	14	4	96	0.00	0.0	5.260	0.068	7	2	2	3
PL.60598	PL.46555	A	6 A (CWC)	7.21Y	120.2	0.00	4.84	1.00	1	7	2	96	0.00	0.0	5.320	0.060	0	0	0	1
PL.60599	PL.60598	A	6 A (CWC)	7.21Y	120.2	0.00	4.84	1.00	1	7	2	96	0.00	0.0	5.429	0.109	7	2	1	1
PL.46524	PL.46818	A	#4 ACSR	7.21Y	120.2	0.00	4.81	0.57	0	4	1	97	0.00	0.0	5.063	0.031	4	1	1	1
PL.56265	PL.46816	A	#4 ACSR	7.21Y	120.2	0.00	4.78	1.35	1	9	2	98	0.00	0.0	4.952	0.037	9	2	1	1
PL.46635	PL.45212	A	6 A (CWC)	7.26Y	121.0	0.00	4.03	12.94	9	91	23	97	0.00	0.0	4.338	0.001	0	0	0	13
PD.7278	PL.46635	A	75QA	7.26Y	121.0	0.00	4.03	12.94	17	91	23	97	0.00	0.0	4.338	0.001	0	0	0	13
PL.56250	PD.7278	A	6 A (CWC)	7.26Y	120.9	0.03	4.06	12.94	9	91	23	97	0.02	0.0	4.391	0.053	1	0	1	13
PL.56251	PL.56250	A	6 A (CWC)	7.26Y	120.9	0.01	4.07	12.84	9	90	23	97	0.01	0.0	4.413	0.022	9	2	2	12
PL.60572	PL.56251	A	6 A (CWC)	7.26Y	120.9	0.00	4.08	11.57	8	81	20	97	0.00	0.0	4.416	0.003	0	0	0	10
PD.9042	PL.60572	A	30T	7.26Y	120.9	0.00	4.08	11.57	0	81	20	97	0.00	0.0	4.416	0.003	0	0	0	10
PL.63581	PD.9042	A	6 A (CWC)	7.25Y	120.9	0.01	4.09	11.57	8	81	20	97	0.01	0.0	4.444	0.028	0	0	0	10
PL.63582	PL.63581	A	#1/0 ACSR	7.25Y	120.9	0.00	4.09	1.05	0	7	2	96	0.00	0.0	4.475	0.032	7	2	1	1
PL.63580	PL.63581	A	6 A (CWC)	7.25Y	120.9	0.04	4.13	10.52	8	74	19	97	0.02	0.0	4.527	0.083	0	0	0	9
PL.46810	PL.63580	A	6 A (CWC)	7.25Y	120.9	0.02	4.15	8.83	6	62	16	97	0.01	0.0	4.581	0.054	21	5	2	7
PL.45134	PL.46810	A	#2 ACSR	7.25Y	120.9	0.00	4.15	0.00	0	0	0	100	0.00	0.0	4.690	0.110	0	0	1	1
PL.46811	PL.46810	A	6 A (CWC)	7.25Y	120.8	0.01	4.15	5.80	4	41	10	97	0.00	0.0	4.626	0.045	41	10	4	4
PL.46672	PL.63580	A	#4 ACSR	7.25Y	120.9	0.00	4.13	1.68	1	12	3	97	0.00	0.0	4.580	0.053	6	2	1	2
PL.46673	PL.46672	A	#4 ACSR	7.25Y	120.9	0.00	4.13	0.78	1	5	1	98	0.00	0.0	4.635	0.055	5	1	1	1
PL.47017	PL.45969	A	#4 ACSR	7.34Y	122.3	0.00	2.67	1.93	1	14	3	98	0.00	0.0	3.686	0.000	0	0	0	5
PD.7238	PL.47017	A	75QA	7.34Y	122.3	0.00	2.67	1.93	3	14	3	98	0.00	0.0	3.686	0.000	0	0	0	5
PL.46630	PD.7238	A	#4 ACSR	7.34Y	122.3	0.00	2.68	1.93	1	14	3	98	0.00	0.0	3.787	0.101	13	3	4	5
PL.46631	PL.46630	A	#4 ACSR	7.34Y	122.3	0.00	2.68	0.16	0	1	0	100	0.00	0.0	3.856	0.069	1	0	1	1
PL.46632	PL.46631	A	#4 ACSR	7.34Y	122.3	0.00	2.68	0.00	0	0	0	100	0.00	0.0	4.034	0.177	0	0	0	0
PL.56271	PL.56270	C	6 A (CWC)	7.37Y	122.9	0.00	2.11	5.95	4	43	11	97	0.00	0.0	3.458	0.004	0	0	0	4
PD.8233	PL.56271	C	75QA	7.37Y	122.9	0.00	2.11	5.95	8	43	11	97	0.00	0.0	3.458	0.004	0	0	0	4
PL.56268	PD.8233	C	6 A (CWC)	7.37Y	122.9	0.02	2.14	5.95	4	43	11	97	0.01	0.0	3.569	0.110	15	4	1	4

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.56267	PL.56268	C	6 A (CWC)	7.37Y	122.9	0.00	2.14	1.25	1	9	2	98	0.00	0.0	3.595	0.026	9	2	1	1
PL.56266	PL.56268	C	#4 ACSR	7.37Y	122.9	0.00	2.14	2.56	2	18	5	96	0.00	0.0	3.589	0.020	0	0	0	2
PL.65305	PL.56266	C	#4 ACSR	7.37Y	122.9	0.00	2.14	2.56	2	18	5	96	0.00	0.0	3.664	0.075	18	5	2	2
PL.56272	PL.56270	B	#1/0 ACSR	7.37Y	122.9	0.00	2.11	1.00	0	7	2	96	0.00	0.0	3.458	0.003	0	0	0	1
PD.8234	PL.56272	B	10QA	7.37Y	122.9	0.00	2.11	1.00	0	7	2	96	0.00	0.0	3.458	0.003	0	0	0	1
PL.56273	PD.8234	B	#1/0 ACSR	7.37Y	122.9	0.00	2.11	1.00	0	7	2	96	0.00	0.0	3.476	0.018	7	2	1	1
PL.56358	PL.45939	C	#4 ACSR	7.39Y	123.1	0.00	1.87	3.28	3	24	6	97	0.00	0.0	3.364	0.004	0	0	0	3
PD.8310	PL.56358	C	25T	7.39Y	123.1	0.00	1.87	3.28	0	24	6	97	0.00	0.0	3.364	0.004	0	0	0	3
PL.56359	PD.8310	C	#4 ACSR	7.39Y	123.1	0.00	1.88	3.28	3	24	6	97	0.00	0.0	3.415	0.051	16	4	2	3
PL.56360	PL.56359	C	#4 ACSR	7.39Y	123.1	0.00	1.88	1.02	1	7	2	96	0.00	0.0	3.451	0.036	7	2	1	1
PL.56361	PL.56364	A	6 A (CWC)	7.39Y	123.2	0.00	1.78	2.20	2	16	4	97	0.00	0.0	3.327	0.004	0	0	0	2
PD.8311	PL.56361	A	75QA	7.39Y	123.2	0.00	1.78	2.20	3	16	4	97	0.00	0.0	3.327	0.004	0	0	0	2
PL.56362	PD.8311	A	6 A (CWC)	7.39Y	123.2	0.02	1.80	2.20	2	16	4	97	0.00	0.0	3.479	0.152	0	0	0	2
PL.56363	PL.56362	A	6 A (CWC)	7.39Y	123.2	0.00	1.80	2.20	2	16	4	97	0.00	0.0	3.515	0.036	13	3	1	2
PL.46633	PL.56363	A	#4/0 ACSR	7.39Y	123.2	0.00	1.80	0.41	0	3	1	95	0.00	0.0	3.625	0.111	3	1	1	1
PL.46854	PL.56581	B	6 A (CWC)	7.42Y	123.6	0.04	1.39	37.43	27	269	68	97	0.09	0.0	3.131	0.025	0	0	0	37
PL.46789	PL.46854	B	6 A (CWC)	7.42Y	123.6	0.00	1.39	37.43	27	269	68	97	0.00	0.0	3.131	0.000	0	0	0	37
PD.7298	PL.46789	B	70L	7.42Y	123.6	0.00	1.39	37.43	53	269	68	97	0.00	0.0	3.131	0.000	0	0	0	37
PL.60284	PD.7298	B	6 A (CWC)	7.42Y	123.6	0.01	1.39	37.43	27	269	68	97	0.01	0.0	3.134	0.003	0	0	0	37
PD.8879-A	PL.60284	B	Closed	7.42Y	123.6	0.00	1.39	37.43	0	269	68	97	0.00	0.0	3.134	0.003	0	0	0	37
PD.8879-B	PD.8879-A	B	Closed	7.42Y	123.6	0.00	1.39	37.43	0	269	68	97	0.00	0.0	3.134	0.003	0	0	0	37
PL.60285	PD.8879-B	B	6 A (CWC)	7.41Y	123.6	0.04	1.44	37.43	27	269	68	97	0.08	0.0	3.161	0.027	29	7	4	37
PL.46214	PL.60285	B	6 A (CWC)	7.40Y	123.4	0.18	1.61	33.33	24	240	61	97	0.32	0.1	3.278	0.117	0	0	0	33
PL.46384	PL.46214	B	6 A (CWC)	7.39Y	123.2	0.15	1.77	31.66	23	227	57	97	0.26	0.1	3.384	0.105	0	0	0	32
PL.53292	PL.46384	B	6 A (CWC)	7.39Y	123.2	0.00	1.77	1.35	1	10	2	98	0.00	0.0	3.471	0.087	10	2	1	1
PL.53294	PL.46384	B	6 A (CWC)	7.39Y	123.1	0.10	1.87	30.30	22	217	55	97	0.16	0.1	3.457	0.074	2	0	1	31
PL.60288	PL.53294	B	6 A (CWC)	7.39Y	123.1	0.00	1.87	0.74	1	5	1	98	0.00	0.0	3.461	0.003	0	0	0	1
PD.8881	PL.60288	B	25T	7.39Y	123.1	0.00	1.87	0.74	0	5	1	98	0.00	0.0	3.461	0.003	0	0	0	1
PL.60289	PD.8881	B	6 A (CWC)	7.39Y	123.1	0.00	1.87	0.74	1	5	1	98	0.00	0.0	3.513	0.052	0	0	0	1
PL.53293	PL.60289	B	6 A (CWC)	7.39Y	123.1	0.00	1.87	0.74	1	5	1	98	0.00	0.0	3.546	0.033	5	1	1	1
PL.60290	PL.53294	B	#4 ACSR	7.39Y	123.1	0.00	1.87	1.26	1	9	2	98	0.00	0.0	3.461	0.003	0	0	0	1

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

Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.8882	PL.60290	B	25T	7.39Y	123.1	0.00	1.87	1.26	0	9	2	98	0.00	0.0	3.461	0.003	0	0	0	1
PL.60291	PD.8882	B	#4 ACSR	7.39Y	123.1	0.00	1.87	1.26	1	9	2	98	0.00	0.0	3.496	0.035	0	0	0	1
PL.46792	PL.60291	B	#4 ACSR	7.39Y	123.1	0.00	1.87	1.26	1	9	2	98	0.00	0.0	3.562	0.066	0	0	0	1
PL.53291	PL.46792	B	#4 ACSR	7.39Y	123.1	0.00	1.88	1.26	1	9	2	98	0.00	0.0	3.623	0.061	9	2	1	1
PL.53295	PL.53294	B	6 A (CWC)	7.38Y	123.1	0.08	1.95	28.04	20	201	51	97	0.12	0.1	3.527	0.070	33	8	3	28
PL.56143	PL.53295	B	6 A (CWC)	7.38Y	123.0	0.02	1.97	23.37	17	167	42	97	0.02	0.0	3.545	0.019	7	2	1	25
PL.56144	PL.56143	B	6 A (CWC)	7.38Y	123.0	0.08	2.04	21.08	15	151	38	97	0.09	0.1	3.627	0.082	7	2	1	22
PL.56142	PL.56144	B	6 A (CWC)	7.38Y	122.9	0.03	2.07	15.99	11	114	29	97	0.02	0.0	3.664	0.037	10	2	1	17
PL.56139	PL.56142	B	6 A (CWC)	7.37Y	122.9	0.02	2.09	14.66	10	105	26	97	0.02	0.0	3.703	0.038	11	3	1	16
PL.56062	PL.56139	B	6 A (CWC)	7.37Y	122.9	0.03	2.13	13.13	9	94	24	97	0.02	0.0	3.754	0.051	0	0	1	15
PL.60294	PL.56062	B	6 A (CWC)	7.37Y	122.9	0.00	2.13	5.37	4	38	10	97	0.00	0.0	3.757	0.004	0	0	0	4
PD.8884	PL.60294	B	30T	7.37Y	122.9	0.00	2.13	5.37	0	38	10	97	0.00	0.0	3.757	0.004	0	0	0	4
PL.60295	PD.8884	B	6 A (CWC)	7.37Y	122.9	0.01	2.13	5.37	4	38	10	97	0.00	0.0	3.793	0.036	0	0	0	4
PL.56061	PL.60295	B	6 A (CWC)	7.37Y	122.8	0.03	2.17	5.37	4	38	10	97	0.01	0.0	3.919	0.126	0	0	0	4
PL.56580	PL.56061	B	6 A (CWC)	7.37Y	122.8	0.01	2.17	1.15	1	8	2	97	0.00	0.0	4.069	0.150	0	0	0	1
PL.59765	PL.56580	B	#1/0 ACSR	7.37Y	122.8	0.00	2.18	1.15	1	8	2	97	0.00	0.0	4.141	0.072	0	0	0	1
PL.59766	PL.59765	B	#1/0 ACSR	7.37Y	122.8	0.00	2.18	1.15	1	8	2	97	0.00	0.0	4.193	0.052	8	2	1	1
PL.46181	PL.56061	B	6 A (CWC)	7.37Y	122.8	0.02	2.18	4.22	3	30	8	97	0.00	0.0	4.015	0.096	9	2	1	3
PL.53289	PL.46181	B	6 A (CWC)	7.37Y	122.8	0.01	2.19	2.95	2	21	5	97	0.00	0.0	4.104	0.089	11	3	1	2
PL.53290	PL.53289	B	6 A (CWC)	7.37Y	122.8	0.00	2.19	1.38	1	10	2	98	0.00	0.0	4.193	0.089	10	2	1	1
PL.60296	PL.56062	B	6 A (CWC)	7.37Y	122.9	0.00	2.13	5.95	4	43	11	97	0.00	0.0	3.757	0.003	0	0	0	7
PD.8885-A	PL.60296	B	Closed	7.37Y	122.9	0.00	2.13	5.95	0	43	11	97	0.00	0.0	3.757	0.003	0	0	0	7
PD.8885-B	PD.8885-A	B	Closed	7.37Y	122.9	0.00	2.13	5.95	0	43	11	97	0.00	0.0	3.757	0.003	0	0	0	7
PL.60297	PD.8885-B	B	6 A (CWC)	7.37Y	122.9	0.00	2.13	5.95	4	43	11	97	0.00	0.0	3.771	0.014	17	4	2	7
PL.56104	PL.60297	B	6 A (CWC)	7.37Y	122.9	0.01	2.14	3.59	3	26	6	97	0.00	0.0	3.863	0.092	2	1	1	5
PL.56105	PL.56104	B	6 A (CWC)	7.37Y	122.8	0.02	2.17	3.29	2	24	6	97	0.00	0.0	4.027	0.163	0	0	0	4
PL.60301	PL.56105	B	6 A (CWC)	7.37Y	122.8	0.00	2.17	0.41	0	3	1	95	0.00	0.0	4.098	0.071	3	1	2	2
PL.60300	PL.60301	B	6 A (CWC)	7.37Y	122.8	0.00	2.17	0.00	0	0	0	100	0.00	0.0	4.280	0.183	0	0	0	0
PL.46549	PL.60300	B	#4 ACSR 6/	7.37Y	122.8	0.00	2.17	0.00	0	0	0	100	0.00	0.0	4.340	0.060	0	0	0	0
PL.60299	PL.46549	B	#4 ACSR	7.37Y	122.8	0.00	2.17	0.00	0	0	0	100	0.00	0.0	4.401	0.061	0	0	0	0
PD.8886-B	PL.60299	B	Open	7.37Y	122.8	0.00	2.17	0.00	0	0	0	100	0.00	0.0	4.401	0.061	0	0	0	0

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.47078	PL.60300	B	6 A (CWC)	7.37Y	122.8	0.00	2.17	0.00	0	0	0	100	0.00	0.0	4.527	0.247	0	0	0	0
PL.47079	PL.47078	B	6 A (CWC)	7.37Y	122.8	0.00	2.17	0.00	0	0	0	100	0.00	0.0	4.618	0.091	0	0	0	0
PL.46543	PL.47079	B	6 A (CWC)	7.37Y	122.8	0.00	2.17	0.00	0	0	0	100	0.00	0.0	4.652	0.034	0	0	0	0
PL.46569	PL.47078	B	6 A (CWC)	7.37Y	122.8	0.00	2.17	0.00	0	0	0	100	0.00	0.0	4.728	0.201	0	0	0	0
PL.46855	PL.56105	B	6 A (CWC)	7.37Y	122.8	0.00	2.17	2.89	2	21	5	97	0.00	0.0	4.071	0.045	21	5	2	2
PL.60292	PL.56062	B	6 A (CWC)	7.37Y	122.9	0.00	2.13	1.81	1	13	3	97	0.00	0.0	3.757	0.004	0	0	0	3
PD.8883	PL.60292	B	30T	7.37Y	122.9	0.00	2.13	1.81	0	13	3	97	0.00	0.0	3.757	0.004	0	0	0	3
PL.60293	PD.8883	B	6 A (CWC)	7.37Y	122.9	0.00	2.13	1.81	1	13	3	97	0.00	0.0	3.794	0.037	4	1	1	3
PL.56060	PL.60293	B	6 A (CWC)	7.37Y	122.9	0.00	2.13	0.45	0	3	1	95	0.00	0.0	3.831	0.037	3	1	1	1
PL.56106	PL.60293	B	6 A (CWC)	7.37Y	122.9	0.00	2.13	0.73	1	5	1	98	0.00	0.0	3.850	0.056	5	1	1	1
PL.60258	PL.56144	B	6 A (CWC)	7.38Y	123.0	0.00	2.05	2.72	2	19	5	97	0.00	0.0	3.673	0.045	19	5	3	3
PL.56141	PL.56144	B	#1/0 ACSR	7.38Y	123.0	0.00	2.05	1.34	1	10	2	98	0.00	0.0	3.670	0.043	0	0	0	1
PL.56140	PL.56141	B	1/0 AL URD	7.38Y	123.0	0.00	2.05	1.34	1	10	2	98	0.00	0.0	3.688	0.018	10	2	1	1
PL.60286	PL.56143	B	6 A (CWC)	7.38Y	123.0	0.00	1.97	1.31	1	9	2	98	0.00	0.0	3.549	0.003	0	0	0	2
PD.8880	PL.60286	B	30T	7.38Y	123.0	0.00	1.97	1.31	0	9	2	98	0.00	0.0	3.549	0.003	0	0	0	2
PL.60287	PD.8880	B	6 A (CWC)	7.38Y	123.0	0.00	1.97	1.31	1	9	2	98	0.00	0.0	3.587	0.039	8	2	1	2
PL.46706	PL.60287	B	6 A (CWC)	7.38Y	123.0	0.00	1.97	0.25	0	2	0	100	0.00	0.0	3.633	0.045	0	0	0	1
PL.46449	PL.46706	B	#2 ACSR	7.38Y	123.0	0.00	1.97	0.25	0	2	0	100	0.00	0.0	3.710	0.077	2	0	1	1
PL.46753	PL.46706	B	6 A (CWC)	7.38Y	123.0	0.00	1.97	0.00	0	0	0	100	0.00	0.0	3.793	0.160	0	0	0	0
PL.53287	PL.46214	B	6 A (CWC)	7.40Y	123.4	0.00	1.62	1.67	1	12	3	97	0.00	0.0	3.329	0.051	12	3	1	1
PL.63604	PL.60574	ABC	#4 ACSR	7.42Y	123.7	0.00	1.29	0.00	0	0	0	100	0.00	0.0	3.101	0.045	0	0	0	0
PL.63605	PL.63604	ABC	#4 ACSR	7.42Y	123.7	0.00	1.29	0.00	0	0	0	100	0.00	0.0	3.103	0.002	0	0	0	0
PL.46212	PL.63605	ABC	#4 ACSR	7.42Y	123.7	0.00	1.29	0.00	0	0	0	100	0.00	0.0	3.105	0.002	0	0	0	0
PL.46213	PL.46212	ABC	1/0 AL URD	7.42Y	123.7	0.00	1.29	0.00	0	0	0	100	0.00	0.0	3.137	0.032	0	0	0	0
PL.46356	PL.53280	A	#4 ACSR	7.44Y	124.0	0.00	1.02	0.96	1	7	2	96	0.00	0.0	2.848	0.001	0	0	0	1
PD.7168	PL.46356	A	75QA	7.44Y	124.0	0.00	1.02	0.96	1	7	2	96	0.00	0.0	2.848	0.001	0	0	0	1
PL.53282	PD.7168	A	#4 ACSR	7.44Y	124.0	0.00	1.02	0.96	1	7	2	96	0.00	0.0	2.916	0.068	7	2	1	1
CP.90	PL.52778	ABC	Cap (300)	7.45Y	124.1	0.00	0.91	0.00	0	0	0	100	0.00	0.0	2.767	0.068	0	0	0	0
PL.52110	PL.52109	A	#4 ACSR	7.45Y	124.1	0.00	0.88	2.88	2	21	5	97	0.00	0.0	2.749	0.000	0	0	0	3
PD.7252	PL.52110	A	75QA	7.45Y	124.1	0.00	0.88	2.88	4	21	5	97	0.00	0.0	2.749	0.000	0	0	0	3
PL.45238	PD.7252	A	#4 ACSR	7.45Y	124.1	0.00	0.88	2.88	2	21	5	97	0.00	0.0	2.768	0.019	0	0	0	3

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

Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.45239	PL.45238	A	#4 ACSR	7.45Y	124.1	0.00	0.89	2.03	2	15	4	97	0.00	0.0	2.831	0.062	15	4	2	2
PL.53279	PL.45238	A	#4 ACSR	7.45Y	124.1	0.00	0.89	0.84	1	6	2	95	0.00	0.0	2.823	0.055	6	2	1	1
PL.52105	PL.52108	C	#4 ACSR	7.45Y	124.2	0.00	0.79	5.00	4	36	9	97	0.00	0.0	2.682	0.000	0	0	0	4
PD.7001	PL.52105	C	75QA	7.45Y	124.2	0.00	0.79	5.00	7	36	9	97	0.00	0.0	2.682	0.000	0	0	0	4
PL.46726	PD.7001	C	#4 ACSR	7.45Y	124.2	0.02	0.80	5.00	4	36	9	97	0.00	0.0	2.758	0.076	0	0	0	4
PL.46311	PL.46726	C	#4 ACSR	7.45Y	124.2	0.00	0.81	5.00	4	36	9	97	0.00	0.0	2.785	0.027	14	3	2	4
PL.56153	PL.46311	C	#4 ACSR	7.45Y	124.2	0.01	0.82	3.13	2	23	6	97	0.00	0.0	2.853	0.068	5	1	1	2
PL.56154	PL.56153	C	#1/0 ACSR	7.45Y	124.2	0.00	0.82	2.39	1	17	4	97	0.00	0.0	2.874	0.021	17	4	1	1
PL.46239	PL.46726	C	#4 ACSR	7.45Y	124.2	0.00	0.80	0.00	0	0	0	100	0.00	0.0	2.788	0.031	0	0	0	0
PL.46240	PL.46239	C	#4 ACSR	7.45Y	124.2	0.00	0.80	0.00	0	0	0	100	0.00	0.0	2.821	0.033	0	0	0	0
PL.52106	PL.52244	B	#4 ACSR	7.46Y	124.3	0.00	0.71	0.00	0	0	0	100	0.00	0.0	2.625	0.000	0	0	0	0
PL.52102	PL.56568	B	6 A (CWC)	7.13Y	118.9	0.00	6.09	73.81	53	510	130	97	0.00	0.0	2.586	0.000	0	0	0	67
PD.7282	PL.52102	B	100QA	7.13Y	118.9	0.00	6.09	73.81	74	510	130	97	0.00	0.0	2.586	0.000	0	0	0	67
PL.56107	PD.7282	B	6 A (CWC)	7.12Y	118.7	0.21	6.30	73.81	53	510	130	97	0.80	0.2	2.649	0.063	25	6	4	67
PL.56108	PL.56107	B	6 A (CWC)	7.11Y	118.5	0.18	6.48	70.25	50	485	124	97	0.68	0.1	2.707	0.058	12	3	2	63
REG30	PL.56108	B	114.3 KVA	7.54Y	125.6	-7.06	-0.58	68.55	46	472	120	97	percent Boost= 0.00			Tap= 0.0				61
PL.56079	REG30	B	6 A (CWC)	7.53Y	125.4	0.16	-0.43	64.70	46	472	120	97	0.54	0.1	2.761	0.054	11	3	1	61
PL.56080	PL.56079	B	6 A (CWC)	7.51Y	125.1	0.28	-0.15	63.15	45	461	117	97	0.93	0.2	2.859	0.098	11	3	1	60
PL.46026	PL.56080	B	6 A (CWC)	7.50Y	125.0	0.13	-0.02	60.28	43	439	111	97	0.43	0.1	2.909	0.050	16	4	2	57
PL.60426	PL.46026	B	#4 ACSR	7.50Y	125.0	0.00	-0.01	3.15	2	23	6	97	0.00	0.0	2.912	0.004	0	0	0	4
PD.8983	PL.60426	B	25T	7.50Y	125.0	0.00	-0.01	3.15	0	23	6	97	0.00	0.0	2.912	0.004	0	0	0	4
PL.60427	PD.8983	B	#4 ACSR	7.50Y	125.0	0.00	-0.01	3.15	2	23	6	97	0.00	0.0	2.944	0.032	10	3	2	4
PL.46027	PL.60427	B	#4 ACSR	7.50Y	125.0	0.00	-0.01	1.71	1	12	3	97	0.00	0.0	2.972	0.027	12	3	2	2
PL.46182	PL.46026	B	6 A (CWC)	7.49Y	124.8	0.19	0.17	51.92	37	377	96	97	0.52	0.1	2.988	0.079	0	0	0	48
PL.55645	PL.46182	B	6 A (CWC)	7.48Y	124.7	0.08	0.25	51.92	37	377	96	97	0.23	0.1	3.024	0.036	11	3	2	48
PL.55646	PL.55645	B	6 A (CWC)	7.48Y	124.6	0.15	0.41	50.40	36	366	93	97	0.40	0.1	3.090	0.067	8	2	1	46
PL.55647	PL.55646	B	6 A (CWC)	7.46Y	124.4	0.20	0.60	49.31	35	357	90	97	0.51	0.1	3.179	0.088	11	3	1	45
PL.53275	PL.55647	B	6 A (CWC)	7.45Y	124.2	0.15	0.75	37.19	27	269	68	97	0.29	0.1	3.270	0.091	16	4	2	32
PL.53276	PL.53275	B	6 A (CWC)	7.45Y	124.2	0.03	0.78	34.93	25	252	64	97	0.06	0.0	3.291	0.021	0	0	0	30
PL.60430	PL.53276	B	6 A (CWC)	7.45Y	124.2	0.00	0.78	0.93	1	7	2	96	0.00	0.0	3.295	0.004	0	0	0	1
PD.8985	PL.60430	B	15T	7.45Y	124.2	0.00	0.78	0.93	0	7	2	96	0.00	0.0	3.295	0.004	0	0	0	1

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

Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.60431	PD.8985	B	6 A (CWC)	7.45Y	124.2	0.00	0.78	0.93	1	7	2	96	0.00	0.0	3.328	0.034	7	2	1	1
PL.60432	PL.53276	B	#4 ACSR	7.45Y	124.2	0.00	0.79	25.27	19	183	46	97	0.01	0.0	3.294	0.003	0	0	0	19
PD.8986	PL.60432	B	15T	7.45Y	124.2	0.00	0.79	25.27	0	183	46	97	0.00	0.0	3.294	0.003	0	0	0	19
PL.60433	PD.8986	B	#4 ACSR	7.45Y	124.1	0.07	0.86	25.27	19	183	46	97	0.09	0.1	3.358	0.063	12	3	1	19
PL.62281	PL.60433	B	#1/0 ACSR	7.45Y	124.1	0.04	0.89	23.60	10	170	43	97	0.04	0.0	3.426	0.068	12	3	1	18
PL.62788	PL.62281	B	#1/0 ACSR	7.44Y	124.1	0.03	0.92	21.96	10	159	40	97	0.03	0.0	3.486	0.060	20	5	2	17
PL.57726	PL.62788	B	#4 ACSR	7.44Y	124.0	0.04	0.97	19.18	15	138	35	97	0.05	0.0	3.540	0.054	8	2	1	15
PL.57725	PL.57726	B	#4 ACSR	7.44Y	124.0	0.04	1.01	18.08	14	130	33	97	0.04	0.0	3.588	0.048	0	0	0	14
PL.56544	PL.57725	B	#1/0 ACSR	7.44Y	124.0	0.00	1.01	2.21	1	16	4	97	0.00	0.0	3.618	0.030	16	4	1	1
PL.60468	PL.57725	B	#4 ACSR	7.44Y	124.0	0.00	1.01	1.45	1	10	3	96	0.00	0.0	3.588	0.000	0	0	0	1
PD.8999	PL.60468	B	20T	7.44Y	124.0	0.00	1.01	1.45	0	10	3	96	0.00	0.0	3.588	0.000	0	0	0	1
PL.60469	PD.8999	B	#4 ACSR	7.44Y	124.0	0.00	1.01	1.45	1	10	3	96	0.00	0.0	3.588	0.000	0	0	0	1
PL.60466	PL.60469	B	#4 ACSR	7.44Y	124.0	0.00	1.01	1.45	1	10	3	96	0.00	0.0	3.669	0.081	10	3	1	1
PL.60467	PL.60469	B	#2 ACSR	7.44Y	124.0	0.00	1.01	0.00	0	0	0	100	0.00	0.0	3.731	0.143	0	0	0	0
PL.60578	PL.57725	B	#4 ACSR	7.44Y	124.0	0.02	1.02	14.42	11	104	26	97	0.01	0.0	3.619	0.031	6	2	1	12
PL.60579	PL.60578	B	6 A (CWC)	7.44Y	124.0	0.00	1.03	12.69	9	92	23	97	0.00	0.0	3.622	0.003	0	0	0	10
PD.8998	PL.60579	B	50T	7.44Y	124.0	0.00	1.03	12.69	0	92	23	97	0.00	0.0	3.622	0.003	0	0	0	10
PL.60465	PD.8998	B	6 A (CWC)	7.44Y	123.9	0.03	1.06	12.69	9	92	23	97	0.02	0.0	3.685	0.063	21	5	2	10
PL.56075	PL.60465	B	6 A (CWC)	7.43Y	123.9	0.05	1.11	9.75	7	70	18	97	0.03	0.0	3.812	0.127	6	1	1	8
PL.53296	PL.56075	B	6 A (CWC)	7.43Y	123.9	0.03	1.14	4.75	3	34	9	97	0.01	0.0	3.945	0.133	9	2	2	4
PL.60472	PL.53296	B	#2 ACSR	7.43Y	123.9	0.00	1.14	2.42	1	17	4	97	0.00	0.0	3.949	0.003	0	0	0	1
PD.9001	PL.60472	B	20T	7.43Y	123.9	0.00	1.14	2.42	0	17	4	97	0.00	0.0	3.949	0.003	0	0	0	1
PL.60473	PD.9001	B	#2 ACSR	7.43Y	123.9	0.01	1.14	2.42	1	17	4	97	0.00	0.0	4.102	0.153	17	4	1	1
PL.46782	PL.53296	B	6 A (CWC)	7.43Y	123.9	0.00	1.14	1.15	1	8	2	97	0.00	0.0	4.135	0.190	8	2	1	1
PL.60470	PL.56075	B	#4 ACSR	7.43Y	123.9	0.00	1.11	4.22	3	30	8	97	0.00	0.0	3.816	0.003	0	0	0	3
PD.9000	PL.60470	B	20T	7.43Y	123.9	0.00	1.11	4.22	0	30	8	97	0.00	0.0	3.816	0.003	0	0	0	3
PL.60471	PD.9000	B	#4 ACSR	7.43Y	123.9	0.01	1.12	4.22	3	30	8	97	0.00	0.0	3.879	0.064	16	4	2	3
PL.63631	PL.60471	B	#1/0 ACSR	7.43Y	123.9	0.00	1.12	1.98	1	14	4	96	0.00	0.0	3.918	0.039	0	0	0	1
PL.63632	PL.63631	B	#1/0 ACSR	7.43Y	123.9	0.00	1.13	1.98	1	14	4	96	0.00	0.0	3.989	0.071	14	4	1	1
PL.60577	PL.60578	B	6 A (CWC)	7.44Y	124.0	0.00	1.03	0.90	1	7	2	96	0.00	0.0	3.712	0.093	7	2	1	1
PL.46622	PL.53276	B	6 A (CWC)	7.45Y	124.2	0.01	0.80	8.73	6	63	16	97	0.00	0.0	3.330	0.039	28	7	3	10

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.60434	PL.46622	B	6 A (CWC)	7.45Y	124.2	0.00	0.80	4.92	4	36	9	97	0.00	0.0	3.333	0.003	0	0	0	7
PD.8987-A	PL.60434	B	Closed	7.45Y	124.2	0.00	0.80	4.92	0	36	9	97	0.00	0.0	3.333	0.003	0	0	0	7
PD.8987-B	PD.8987-A	B	Closed	7.45Y	124.2	0.00	0.80	4.92	0	36	9	97	0.00	0.0	3.333	0.003	0	0	0	7
PL.60435	PD.8987-B	B	6 A (CWC)	7.45Y	124.2	0.01	0.81	4.92	4	36	9	97	0.00	0.0	3.383	0.050	7	2	1	7
PL.56189	PL.60435	B	6 A (CWC)	7.45Y	124.2	0.00	0.81	4.01	3	29	7	97	0.00	0.0	3.409	0.026	29	7	5	6
PL.56190	PL.56189	B	6 A (CWC)	7.45Y	124.2	0.00	0.81	0.00	0	0	0	100	0.00	0.0	3.478	0.069	0	0	1	1
PL.60428	PL.55647	B	6 A (CWC)	7.46Y	124.4	0.00	0.60	10.65	8	77	19	97	0.00	0.0	3.182	0.003	0	0	0	12
PD.8984	PL.60428	B	40T	7.46Y	124.4	0.00	0.60	10.65	0	77	19	97	0.00	0.0	3.182	0.003	0	0	0	12
PL.60429	PD.8984	B	6 A (CWC)	7.46Y	124.4	0.02	0.62	10.65	8	77	19	97	0.01	0.0	3.214	0.032	2	1	1	12
PL.56540	PL.60429	B	6 A (CWC)	7.46Y	124.4	0.02	0.64	10.35	7	75	19	97	0.01	0.0	3.255	0.040	10	2	2	11
PL.56541	PL.56540	B	6 A (CWC)	7.46Y	124.4	0.01	0.64	4.28	3	31	8	97	0.00	0.0	3.326	0.072	31	8	3	3
PL.56542	PL.56540	B	6 A (CWC)	7.46Y	124.4	0.01	0.64	4.76	3	34	9	97	0.00	0.0	3.285	0.030	12	3	1	6
PL.56211	PL.56542	B	6 A (CWC)	7.46Y	124.4	0.00	0.64	3.10	2	22	6	96	0.00	0.0	3.311	0.026	6	2	3	5
PL.56210	PL.56211	B	6 A (CWC)	7.46Y	124.4	0.00	0.65	2.24	2	16	4	97	0.00	0.0	3.353	0.042	16	4	2	2
PL.56543	PL.56540	B	#1/0 ACSR	7.46Y	124.4	0.00	0.64	0.00	0	0	0	100	0.00	0.0	3.297	0.043	0	0	0	0
PL.60424	PL.46026	B	6 A (CWC)	7.50Y	125.0	0.00	-0.01	2.95	2	21	5	97	0.00	0.0	2.912	0.003	0	0	0	3
PD.8982	PL.60424	B	25T	7.50Y	125.0	0.00	-0.01	2.95	0	21	5	97	0.00	0.0	2.912	0.003	0	0	0	3
PL.60425	PD.8982	B	6 A (CWC)	7.50Y	125.0	0.01	-0.01	2.95	2	21	5	97	0.00	0.0	2.982	0.070	12	3	2	3
PL.56134	PL.60425	B	6 A (CWC)	7.50Y	125.0	0.00	-0.01	1.34	1	10	2	98	0.00	0.0	3.006	0.023	10	2	1	1
PL.53277	PL.56080	B	6 A (CWC)	7.51Y	125.1	0.00	-0.15	1.40	1	10	3	96	0.00	0.0	2.920	0.061	6	1	1	2
PL.53278	PL.53277	B	#2 ACSR	7.51Y	125.1	0.00	-0.15	0.64	0	5	1	98	0.00	0.0	2.972	0.052	5	1	1	1
PL.60589	PL.56567	B	#1/0 ACSR	7.14Y	119.0	0.00	6.02	1.65	1	11	3	96	0.00	0.0	2.547	0.003	0	0	0	1
PD.9046	PL.60589	B	20T	7.14Y	119.0	0.00	6.02	1.65	0	11	3	96	0.00	0.0	2.547	0.003	0	0	0	1
PL.60590	PD.9046	B	#1/0 ACSR	7.14Y	119.0	0.00	6.02	1.65	1	11	3	96	0.00	0.0	2.584	0.037	11	3	1	1
PL.72972	PL.60590	B	#1/0 ACSR	7.14Y	119.0	0.00	6.02	0.00	0	0	0	100	0.00	0.0	2.681	0.097	0	0	0	0
PL.46309	PL.46479	C	#4 ACSR	7.15Y	119.2	0.00	5.79	1.29	1	9	2	98	0.00	0.0	2.411	0.000	0	0	0	1
PD.7234	PL.46309	C	75QA	7.15Y	119.2	0.00	5.79	1.29	2	9	2	98	0.00	0.0	2.411	0.000	0	0	0	1
PL.46310	PD.7234	C	#4 ACSR	7.15Y	119.2	0.00	5.79	1.29	1	9	2	98	0.00	0.0	2.435	0.023	9	2	1	1
PL.46822	PL.46479	C	#2 ACSR	7.15Y	119.2	0.00	5.79	2.12	1	15	4	97	0.00	0.0	2.482	0.071	15	4	1	1
PL.46073	PL.46479	ABC	#2 ACSR	7.15Y	119.1	0.07	5.86	57.57	33	1196	308	97	0.67	0.1	2.461	0.050	13	3	1	166
REG29	PL.46073	ABC	76.2 KVA	7.52Y	125.4	-6.27	-0.41	56.95	57	1183	305	97	percent Boost= 5.00 Tap= 8.0							165

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: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.47099	REG29	ABC	#2 ACSR	7.52Y	125.3	0.08	-0.33	54.11	31	1183	305	97	0.70	0.1	2.519	0.059	0	0	0	165
PL.47100	PL.47099	ABC	#2 ACSR	7.52Y	125.3	0.00	-0.33	54.11	31	1182	304	97	0.01	0.0	2.520	0.000	0	0	0	165
PD.7301	PL.47100	ABC	100L	7.52Y	125.3	0.00	-0.33	54.11	54	1182	304	97	0.00	0.0	2.520	0.000	0	0	0	165
PL.60272	PD.7301	ABC	#2 ACSR	7.51Y	125.2	0.10	-0.22	54.11	31	1182	304	97	0.91	0.1	2.596	0.076	0	0	0	165
PL.59759	PL.60272	ABC	#4 ACSR	7.50Y	125.0	0.26	0.04	53.72	34	1173	302	97	2.32	0.2	2.761	0.166	9	2	1	164
PL.62318	PL.59759	ABC	#4 ACSR	7.49Y	124.9	0.05	0.09	53.29	34	1161	298	97	0.47	0.0	2.795	0.034	0	0	0	163
PL.62319	PL.62318	C	#4 ACSR	7.50Y	125.0	0.00	0.05	15.16	12	110	28	97	0.00	0.0	2.796	0.001	0	0	0	29
PD.9319	PL.62319	C	25T	7.50Y	125.0	0.00	0.05	15.16	0	110	28	97	0.00	0.0	2.796	0.001	0	0	0	29
PL.61829	PD.9319	C	#4 ACSR	7.50Y	125.0	0.00	0.05	15.16	12	110	28	97	0.00	0.0	2.797	0.001	8	2	1	29
PL.61830	PL.61829	C	#4 ACSR	7.49Y	124.9	0.05	0.10	14.01	11	102	26	97	0.04	0.0	2.879	0.082	0	0	0	28
PL.58540	PL.61830	C	#2 ACSR	7.49Y	124.9	0.00	0.10	1.04	1	8	2	97	0.00	0.0	2.913	0.034	8	2	1	1
PL.58539	PL.61830	C	#4 ACSR	7.49Y	124.9	0.01	0.11	12.97	10	94	24	97	0.01	0.0	2.902	0.023	14	4	3	27
PL.60456	PL.58539	C	#4 ACSR	7.49Y	124.8	0.07	0.18	11.01	8	80	20	97	0.04	0.1	3.041	0.139	0	0	0	24
PD.8994	PL.60456	C	25T	7.49Y	124.8	0.00	0.18	11.01	0	80	20	97	0.00	0.0	3.041	0.139	0	0	0	24
PL.60457	PD.8994	C	#4 ACSR	7.49Y	124.8	0.00	0.18	11.01	8	80	20	97	0.00	0.0	3.045	0.004	0	0	0	24
PL.60454	PL.60457	C	#4 ACSR	7.49Y	124.8	0.00	0.18	2.40	2	17	4	97	0.00	0.0	3.048	0.004	0	0	0	2
PD.8993	PL.60454	C	25T	7.49Y	124.8	0.00	0.18	2.40	0	17	4	97	0.00	0.0	3.048	0.004	0	0	0	2
PL.60455	PD.8993	C	#4 ACSR	7.49Y	124.8	0.00	0.18	2.40	2	17	4	97	0.00	0.0	3.102	0.054	17	4	2	2
PL.47008	PL.60457	C	#4 ACSR	7.49Y	124.8	0.04	0.22	8.61	7	63	16	97	0.02	0.0	3.154	0.109	5	1	3	22
PL.53309	PL.47008	C	#4 ACSR	7.48Y	124.7	0.04	0.26	7.87	6	57	14	97	0.02	0.0	3.281	0.127	12	3	7	19
PL.53310	PL.53309	C	#4 ACSR	7.48Y	124.7	0.01	0.26	6.16	5	45	11	97	0.00	0.0	3.310	0.030	21	5	2	12
PL.53307	PL.53310	C	#4 ACSR	7.48Y	124.7	0.00	0.27	3.24	2	23	6	97	0.00	0.0	3.336	0.026	15	4	7	10
PL.53308	PL.53307	C	#4 ACSR	7.48Y	124.7	0.00	0.27	1.11	1	8	2	97	0.00	0.0	3.353	0.017	8	2	3	3
PL.62316	PL.62318	ABC	#4 ACSR	7.47Y	124.4	0.49	0.58	47.89	31	1043	268	97	3.90	0.4	3.144	0.348	0	0	0	133
PL.60461	PL.62316	A	#4 ACSR	7.45Y	124.2	0.00	0.81	0.98	1	7	2	96	0.00	0.0	3.147	0.003	0	0	0	1
PD.8997	PL.60461	A	50T	7.45Y	124.2	0.00	0.81	0.98	0	7	2	96	0.00	0.0	3.147	0.003	0	0	0	1
PL.60462	PD.8997	A	#4 ACSR	7.45Y	124.2	0.00	0.81	0.98	1	7	2	96	0.00	0.0	3.267	0.120	7	2	1	1
PL.60463	PL.62316	C	6 A (CWC)	7.47Y	124.5	0.00	0.46	1.34	1	10	2	98	0.00	0.0	3.147	0.003	0	0	0	1
PD.8995	PL.60463	C	40T	7.47Y	124.5	0.00	0.46	1.34	0	10	2	98	0.00	0.0	3.147	0.003	0	0	0	1
PL.60464	PD.8995	C	6 A (CWC)	7.47Y	124.5	0.00	0.47	1.34	1	10	2	98	0.00	0.0	3.270	0.123	10	2	1	1
PL.56573	PL.60464	C	6 A (CWC)	7.47Y	124.5	0.00	0.47	0.00	0	0	0	100	0.00	0.0	3.347	0.077	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: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.56574	PL.56573	C	#1/0 ACSR	7.47Y	124.5	0.00	0.47	0.00	0	0	0	100	0.00	0.0	3.489	0.142	0	0	0	0
PL.56572	PL.56573	C	6 A (CWC)	7.47Y	124.5	0.00	0.47	0.00	0	0	0	100	0.00	0.0	3.666	0.319	0	0	0	0
PL.46343	PL.62316	ABC	#2 ACSR	7.46Y	124.3	0.11	0.69	46.99	27	1019	262	97	0.84	0.1	3.237	0.093	1	0	1	129
PL.60419	PL.46343	ABC	#4 ACSR	7.45Y	124.2	0.12	0.81	46.93	30	1017	261	97	0.96	0.1	3.326	0.089	0	0	0	128
PD.8979-A	PL.60419	ABC	Closed	7.45Y	124.2	0.00	0.81	46.93	0	1016	260	97	0.00	0.0	3.326	0.089	0	0	0	128
PD.8979-B	PD.8979-A	ABC	Closed	7.45Y	124.2	0.00	0.81	46.93	0	1016	260	97	0.00	0.0	3.326	0.089	0	0	0	128
PL.60420	PD.8979-B	ABC	#4 ACSR	7.45Y	124.1	0.10	0.91	46.93	30	1016	260	97	0.78	0.1	3.399	0.073	7	2	1	128
PL.57675	PL.60420	ABC	#4 ACSR	7.44Y	124.0	0.06	0.97	46.61	30	1009	258	97	0.43	0.0	3.440	0.041	8	2	2	127
PL.57676	PL.57675	ABC	#4 ACSR	7.44Y	123.9	0.09	1.06	46.23	29	1000	256	97	0.71	0.1	3.509	0.069	12	3	2	125
PL.56217	PL.57676	ABC	#4 ACSR	7.43Y	123.8	0.12	1.18	44.70	28	966	247	97	0.87	0.1	3.597	0.089	0	0	0	121
PL.46238	PL.56217	ABC	#4 ACSR	7.41Y	123.5	0.31	1.49	44.07	28	952	244	97	2.26	0.2	3.836	0.239	0	0	0	120
PL.46514	PL.46238	C	6 A (CWC)	7.42Y	123.7	0.00	1.26	0.33	0	2	1	89	0.00	0.0	3.837	0.001	0	0	0	1
PD.7012	PL.46514	C	50QA	7.42Y	123.7	0.00	1.26	0.33	1	2	1	89	0.00	0.0	3.837	0.001	0	0	0	1
PL.46515	PD.7012	C	6 A (CWC)	7.42Y	123.7	0.00	1.26	0.33	0	2	1	89	0.00	0.0	3.889	0.053	2	1	1	1
PL.56131	PL.46238	ABC	#4 ACSR	7.41Y	123.4	0.08	1.57	43.96	28	947	242	97	0.58	0.1	3.898	0.062	8	2	1	119
PL.56133	PL.56131	ABC	#1/0 ACSR	7.40Y	123.3	0.14	1.71	28.08	12	604	155	97	0.59	0.1	4.185	0.287	17	4	2	72
PL.56071	PL.56133	ABC	#1/0 ACSR	7.40Y	123.3	0.02	1.73	27.27	12	586	151	97	0.10	0.0	4.237	0.052	8	2	1	70
PL.46840	PL.56071	ABC	#1/0 ACSR	7.40Y	123.3	0.01	1.74	26.92	12	578	149	97	0.03	0.0	4.251	0.014	0	0	0	69
PL.46841	PL.46840	ABC	#1/0 ACSR	7.39Y	123.2	0.05	1.79	25.67	11	552	142	97	0.20	0.0	4.369	0.118	14	3	1	64
PL.56155	PL.46841	ABC	#1/0 ACSR	7.39Y	123.2	0.03	1.82	25.04	11	538	138	97	0.10	0.0	4.429	0.060	17	4	2	63
PL.56156	PL.56155	ABC	#1/0 ACSR	7.39Y	123.1	0.03	1.85	24.26	11	521	134	97	0.11	0.0	4.501	0.073	0	0	0	61
PL.56127	PL.56156	ABC	#1/0 ACSR	7.39Y	123.1	0.01	1.87	22.73	10	488	126	97	0.05	0.0	4.538	0.036	0	0	0	57
PL.61084	PL.56127	ABC	#1/0 ACSR	7.38Y	123.1	0.07	1.93	21.59	9	463	119	97	0.22	0.0	4.713	0.175	0	0	0	55
PL.61082	PL.61084	ABC	#1/0 ACSR	7.38Y	123.1	0.01	1.95	21.06	9	452	116	97	0.04	0.0	4.746	0.032	0	0	0	54
PL.61086	PL.61082	A	#1/0 ACSR	7.35Y	122.6	0.00	2.44	63.18	27	450	116	97	0.01	0.0	4.749	0.003	0	0	0	54
PD.9077	PL.61086	A	100L	7.35Y	122.6	0.00	2.44	63.18	63	450	116	97	0.00	0.0	4.749	0.003	0	0	0	54
PL.61087	PD.9077	A	#1/0 ACSR	7.34Y	122.4	0.19	2.63	63.18	27	450	116	97	0.57	0.1	4.881	0.132	3	1	1	54
PL.61085	PL.61087	A	#1/0 ACSR	7.33Y	122.2	0.16	2.79	62.80	27	447	115	97	0.49	0.1	4.997	0.116	10	3	2	53
PL.56286	PL.61085	A	#1/0 ACSR	7.33Y	122.1	0.10	2.89	61.34	27	436	112	97	0.28	0.1	5.067	0.071	12	3	1	51
PL.56546	PL.56286	A	#1/0 ACSR	7.32Y	122.0	0.11	3.00	59.69	26	424	108	97	0.31	0.1	5.150	0.083	13	3	1	50
PL.56545	PL.56546	A	#1/0 ACSR	7.32Y	122.0	0.04	3.04	57.82	25	410	105	97	0.11	0.0	5.183	0.032	12	3	3	49

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.45958	PL.56545	A	#1/0 ACSR	7.31Y	121.9	0.07	3.11	56.11	24	398	101	97	0.18	0.0	5.237	0.055	12	3	1	46
PL.56561	PL.45958	A	#1/0 ACSR	7.31Y	121.9	0.03	3.15	54.45	24	386	98	97	0.09	0.0	5.264	0.027	0	0	0	45
PL.56562	PL.56561	A	#1/0 ACSR	7.31Y	121.9	0.00	3.15	3.33	1	24	6	97	0.00	0.0	5.304	0.039	24	6	3	3
PL.56564	PL.56561	A	#1/0 ACSR	7.31Y	121.8	0.03	3.17	51.12	22	362	92	97	0.06	0.0	5.288	0.024	13	3	1	42
PL.56563	PL.56564	A	#1/0 ACSR	7.31Y	121.8	0.05	3.22	49.33	21	349	89	97	0.10	0.0	5.329	0.041	12	3	1	41
PL.56560	PL.56563	A	#1/0 ACSR	7.30Y	121.7	0.08	3.30	47.68	21	338	86	97	0.19	0.1	5.407	0.078	0	0	0	40
PL.60440	PL.56560	A	#1/0 ACSR	7.30Y	121.7	0.00	3.31	43.16	19	305	77	97	0.01	0.0	5.410	0.004	0	0	0	35
PD.8989	PL.60440	A	30T	7.30Y	121.7	0.00	3.31	43.16	0	305	77	97	0.00	0.0	5.410	0.004	0	0	0	35
PL.60441	PD.8989	A	#1/0 ACSR	7.30Y	121.6	0.06	3.37	43.16	19	305	77	97	0.12	0.0	5.472	0.062	0	0	0	35
PL.46654	PL.60441	A	#1/0 ACSR	7.29Y	121.6	0.05	3.42	43.16	19	305	77	97	0.11	0.0	5.528	0.056	11	3	1	35
PL.55916	PL.46654	A	#1/0 ACSR	7.29Y	121.4	0.14	3.56	41.61	18	294	74	97	0.28	0.1	5.686	0.158	23	6	1	34
PL.56558	PL.55916	A	#4 ACSR	7.28Y	121.4	0.08	3.65	38.41	30	271	68	97	0.17	0.1	5.734	0.048	0	0	0	33
PL.56559	PL.56558	A	#4 ACSR	7.28Y	121.3	0.06	3.71	38.41	30	271	68	97	0.13	0.0	5.773	0.039	26	7	3	33
PL.56125	PL.56559	A	#4 ACSR	7.28Y	121.3	0.00	3.71	0.00	0	0	0	100	0.00	0.0	5.794	0.022	0	0	0	0
PL.62910	PL.56559	A	#2 ACSR	7.27Y	121.2	0.06	3.77	24.06	14	170	43	97	0.07	0.0	5.850	0.077	13	3	1	23
PL.62912	PL.62910	A	#2 ACSR	7.27Y	121.2	0.00	3.77	17.01	10	120	30	97	0.00	0.0	5.853	0.004	0	0	0	18
PD.8991	PL.62912	A	20T	7.27Y	121.2	0.00	3.77	17.01	0	120	30	97	0.00	0.0	5.853	0.004	0	0	0	18
PL.62913	PD.8991	A	#2 ACSR	7.27Y	121.2	0.05	3.82	17.01	10	120	30	97	0.04	0.0	5.958	0.105	12	3	1	18
PL.62914	PL.62913	A	#4 ACSR	7.27Y	121.2	0.02	3.84	15.33	12	108	27	97	0.02	0.0	5.994	0.036	16	4	3	17
PL.59493	PL.62914	A	#4 ACSR	7.27Y	121.2	0.00	3.84	1.20	1	8	2	97	0.00	0.0	6.043	0.049	8	2	1	1
PL.56102	PL.62914	A	#4 ACSR	7.27Y	121.1	0.05	3.89	11.84	9	83	21	97	0.03	0.0	6.088	0.094	0	0	0	13
PL.56109	PL.56102	A	#1/0 ACSR	7.27Y	121.1	0.00	3.89	1.56	1	11	3	96	0.00	0.0	6.114	0.026	11	3	1	1
PL.56193	PL.56102	A	#4 ACSR	7.27Y	121.1	0.02	3.91	10.27	8	72	18	97	0.01	0.0	6.156	0.068	48	12	9	12
PL.56192	PL.56193	A	#2 ACSR	7.27Y	121.1	0.00	3.92	3.45	2	24	6	97	0.00	0.0	6.208	0.052	15	4	2	3
PL.56575	PL.56192	A	#1/0 ACSR	7.26Y	121.1	0.00	3.92	1.31	1	9	2	98	0.00	0.0	6.317	0.109	9	2	1	1
PL.62911	PL.62910	A	#1/0 ACSR	7.27Y	121.2	0.00	3.77	5.19	2	37	9	97	0.00	0.0	5.875	0.026	0	0	0	4
PL.56130	PL.62911	A	#1/0 ACSR	7.27Y	121.2	0.00	3.77	1.90	1	13	3	97	0.00	0.0	5.945	0.070	13	3	1	1
PL.56176	PL.62911	A	#1/0 ACSR	7.27Y	121.2	0.00	3.77	3.29	1	23	6	97	0.00	0.0	5.920	0.045	23	6	3	3
PL.56126	PL.56559	A	#4 ACSR	7.28Y	121.3	0.01	3.72	10.62	8	75	19	97	0.01	0.0	5.802	0.030	13	3	2	7
PL.56576	PL.56126	A	#4 ACSR	7.27Y	121.2	0.04	3.76	8.81	7	62	16	97	0.02	0.0	5.907	0.105	15	4	1	5
PL.60444	PL.56576	A	#4 ACSR	7.27Y	121.2	0.00	3.76	6.61	5	47	12	97	0.00	0.0	5.911	0.003	0	0	0	4

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.8992	PL.60444	A	15T	7.27Y	121.2	0.00	3.76	6.61	0	47	12	97	0.00	0.0	5.911	0.003	0	0	0	4
PL.60445	PD.8992	A	#4 ACSR	7.27Y	121.2	0.00	3.76	6.61	5	47	12	97	0.00	0.0	5.923	0.013	27	7	2	4
PL.60443	PL.60445	A	#1/0 ACSR	7.27Y	121.2	0.00	3.76	2.72	1	19	5	97	0.00	0.0	5.971	0.048	0	0	0	2
PL.56092	PL.60443	A	#1/0 ACSR	7.27Y	121.2	0.00	3.77	1.12	0	8	2	97	0.00	0.0	6.015	0.043	8	2	1	1
PL.56091	PL.60443	A	#1/0 ACSR	7.27Y	121.2	0.00	3.77	1.60	1	11	3	96	0.00	0.0	6.010	0.039	0	0	0	1
PL.56093	PL.56091	A	#1/0 ACSR	7.27Y	121.2	0.00	3.77	1.60	1	11	3	96	0.00	0.0	6.077	0.066	0	0	0	1
PL.56094	PL.56093	A	#1/0 ACSR	7.27Y	121.2	0.00	3.77	1.60	1	11	3	96	0.00	0.0	6.130	0.053	0	0	0	1
PL.56095	PL.56094	A	#1/0 ACSR	7.27Y	121.2	0.00	3.77	1.60	1	11	3	96	0.00	0.0	6.189	0.059	0	0	0	1
PL.56096	PL.56095	A	#1/0 ACSR	7.27Y	121.2	0.00	3.77	1.60	1	11	3	96	0.00	0.0	6.240	0.051	11	3	1	1
PL.46236	PL.60441	A	#2 ACSR	7.30Y	121.6	0.00	3.37	0.00	0	0	0	100	0.00	0.0	5.493	0.020	0	0	0	0
PL.63539	PL.56560	A	#1/0 ACSR	7.30Y	121.7	0.00	3.30	4.52	2	32	8	97	0.00	0.0	5.435	0.028	12	3	3	5
PL.63540	PL.63539	A	#1/0 ACSR	7.30Y	121.7	0.00	3.31	2.86	1	20	5	97	0.00	0.0	5.438	0.003	0	0	0	2
PD.8990	PL.63540	A	15T	7.30Y	121.7	0.00	3.31	2.86	0	20	5	97	0.00	0.0	5.438	0.003	0	0	0	2
PL.60442	PD.8990	A	#1/0 ACSR	7.30Y	121.7	0.00	3.31	2.86	1	20	5	97	0.00	0.0	5.482	0.044	0	0	0	2
PL.45959	PL.60442	A	#1/0 ACSR	7.30Y	121.7	0.00	3.31	1.27	1	9	2	98	0.00	0.0	5.517	0.035	9	2	1	1
PL.46448	PL.60442	A	#2 ACSR	7.30Y	121.7	0.00	3.31	1.59	1	11	3	96	0.00	0.0	5.503	0.021	11	3	1	1
PL.61083	PL.61084	C	#1/0 ACSR	7.40Y	123.3	0.00	1.69	1.60	1	11	3	96	0.00	0.0	4.718	0.005	0	0	0	1
PD.8289	PL.61083	C	25QA	7.40Y	123.3	0.00	1.69	1.60	6	11	3	96	0.00	0.0	4.718	0.005	0	0	0	1
PL.56103	PD.8289	C	#1/0 ACSR	7.40Y	123.3	0.00	1.69	1.60	1	11	3	96	0.00	0.0	4.756	0.037	11	3	1	1
PL.56099	PL.56127	C	#1/0 ACSR	7.40Y	123.4	0.00	1.62	3.42	1	25	6	97	0.00	0.0	4.540	0.002	0	0	0	2
PD.8287	PL.56099	C	40QA	7.40Y	123.4	0.00	1.62	3.42	9	25	6	97	0.00	0.0	4.540	0.002	0	0	0	2
PL.56100	PD.8287	C	#1/0 ACSR	7.40Y	123.4	0.00	1.62	3.42	1	25	6	97	0.00	0.0	4.554	0.014	25	6	2	2
PL.56184	PL.56156	A	#4 ACSR	7.36Y	122.7	0.00	2.34	4.58	4	33	8	97	0.00	0.0	4.504	0.003	0	0	0	4
PD.8292	PL.56184	A	40QA	7.36Y	122.7	0.00	2.34	4.58	11	33	8	97	0.00	0.0	4.504	0.003	0	0	0	4
PL.56553	PD.8292	A	#4 ACSR	7.36Y	122.7	0.00	2.34	4.58	4	33	8	97	0.00	0.0	4.529	0.025	10	3	2	4
PL.56554	PL.56553	A	#4 ACSR	7.36Y	122.7	0.01	2.35	3.13	2	22	6	96	0.00	0.0	4.584	0.055	0	0	0	2
PL.56556	PL.56554	A	#2 ACSR	7.36Y	122.6	0.00	2.35	1.62	1	12	3	97	0.00	0.0	4.657	0.073	0	0	0	1
PL.56557	PL.56556	A	#1/0 ACSR	7.36Y	122.6	0.00	2.35	1.62	1	12	3	97	0.00	0.0	4.682	0.026	12	3	1	1
PL.56555	PL.56554	A	#4 ACSR	7.36Y	122.6	0.00	2.35	1.52	1	11	3	96	0.00	0.0	4.622	0.038	11	3	1	1
PL.56128	PL.56156	C	#1/0 ACSR	7.40Y	123.4	0.00	1.61	0.00	0	0	0	100	0.00	0.0	4.504	0.003	0	0	0	0
PD.8288	PL.56128	C	25QA	7.40Y	123.4	0.00	1.61	0.00	0	0	0	100	0.00	0.0	4.504	0.003	0	0	0	0

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.56101	PD.8288	C	#1/0 ACSR	7.40Y	123.4	0.00	1.61	0.00	0	0	0	100	0.00	0.0	4.542	0.037	0	0	0	0
PL.46842	PL.46840	C	6 A (CWC)	7.41Y	123.5	0.00	1.50	3.73	3	27	7	97	0.00	0.0	4.251	0.000	0	0	0	5
PD.7253	PL.46842	C	40QA	7.41Y	123.5	0.00	1.50	3.73	9	27	7	97	0.00	0.0	4.251	0.000	0	0	0	5
PL.53271	PD.7253	C	6 A (CWC)	7.41Y	123.5	0.00	1.50	3.73	3	27	7	97	0.00	0.0	4.288	0.037	19	5	4	5
PL.53272	PL.53271	C	6 A (CWC)	7.41Y	123.5	0.00	1.50	0.00	0	0	0	100	0.00	0.0	4.395	0.107	0	0	0	0
PL.60438	PL.53271	C	6 A (CWC)	7.41Y	123.5	0.00	1.50	1.02	1	7	2	96	0.00	0.0	4.291	0.003	0	0	0	1
PD.8988	PL.60438	C	20T	7.41Y	123.5	0.00	1.50	1.02	0	7	2	96	0.00	0.0	4.291	0.003	0	0	0	1
PL.60439	PD.8988	C	6 A (CWC)	7.41Y	123.5	0.00	1.50	1.02	1	7	2	96	0.00	0.0	4.397	0.106	7	2	1	1
PL.56132	PL.56131	A	#2 ACSR	7.37Y	122.9	0.05	2.10	46.49	27	333	84	97	0.13	0.0	3.934	0.036	0	0	0	46
PL.46322	PL.56132	A	#4 ACSR	7.37Y	122.9	0.00	2.10	0.16	0	1	0	100	0.00	0.0	3.938	0.003	0	0	0	1
PD.7166	PL.46322	A	20T	7.37Y	122.9	0.00	2.10	0.16	0	1	0	100	0.00	0.0	3.938	0.003	0	0	0	1
PL.56059	PD.7166	A	#4 ACSR	7.37Y	122.9	0.00	2.11	0.16	0	1	0	100	0.00	0.0	3.983	0.045	1	0	1	1
PL.46321	PL.56132	A	6 A (CWC)	7.37Y	122.8	0.11	2.21	46.33	33	331	84	97	0.27	0.1	3.985	0.051	0	0	0	45
PL.60421	PL.46321	A	#2 ACSR	7.37Y	122.8	0.00	2.21	19.64	11	140	35	97	0.00	0.0	3.989	0.003	0	0	0	21
PD.8980	PL.60421	A	30T	7.37Y	122.8	0.00	2.21	19.64	0	140	35	97	0.00	0.0	3.989	0.003	0	0	0	21
PL.60422	PD.8980	A	#2 ACSR	7.36Y	122.7	0.04	2.26	19.64	11	140	35	97	0.04	0.0	4.063	0.074	12	3	1	21
PL.60423	PL.60422	A	#2 ACSR	7.36Y	122.7	0.00	2.26	0.85	0	6	2	95	0.00	0.0	4.066	0.004	0	0	0	1
PD.8981	PL.60423	A	15T	7.36Y	122.7	0.00	2.26	0.85	0	6	2	95	0.00	0.0	4.066	0.004	0	0	0	1
PL.63728	PD.8981	A	#2 ACSR	7.36Y	122.7	0.00	2.26	0.85	0	6	2	95	0.00	0.0	4.100	0.034	6	2	1	1
PL.63729	PL.63728	A	#2 ACSR	7.36Y	122.7	0.00	2.26	0.00	0	0	0	100	0.00	0.0	4.100	0.000	0	0	0	0
PL.56213	PL.60422	A	#1/0 ACSR	7.36Y	122.7	0.02	2.28	17.15	7	122	31	97	0.02	0.0	4.116	0.053	10	2	1	19
PL.59703	PL.56213	A	#1/0 ACSR	7.36Y	122.7	0.01	2.29	15.78	7	113	28	97	0.01	0.0	4.157	0.041	0	0	0	18
PL.59705	PL.59703	A	#1/0 ACSR	7.36Y	122.7	0.00	2.29	2.95	1	21	5	97	0.00	0.0	4.201	0.044	21	5	2	2
PL.59704	PL.59703	A	#1/0 ACSR	7.36Y	122.7	0.01	2.30	12.84	6	92	23	97	0.00	0.0	4.189	0.032	16	4	3	16
PL.59780	PL.59704	A	#1/0 ACSR	7.36Y	122.7	0.01	2.31	10.56	5	75	19	97	0.00	0.0	4.227	0.039	0	0	0	13
PL.59781	PL.59780	A	#1/0 ACSR	7.36Y	122.7	0.00	2.31	3.63	2	26	7	97	0.00	0.0	4.259	0.031	9	2	1	3
PL.56214	PL.59781	A	#1/0 ACSR	7.36Y	122.7	0.00	2.31	2.41	1	17	4	97	0.00	0.0	4.322	0.063	11	3	1	2
PL.56215	PL.56214	A	#1/0 ACSR	7.36Y	122.7	0.00	2.31	0.89	0	6	2	95	0.00	0.0	4.332	0.010	6	2	1	1
PL.63552	PL.59780	A	#1/0 ACSR	7.36Y	122.7	0.01	2.32	6.93	3	49	12	97	0.00	0.0	4.314	0.087	21	5	3	10
PL.63010	PL.63552	A	#1/0 ACSR	7.36Y	122.7	0.00	2.32	3.12	1	22	6	96	0.00	0.0	4.379	0.065	12	3	2	4
PL.63011	PL.63010	A	#1/0 ACSR	7.36Y	122.7	0.00	2.32	1.44	1	10	3	96	0.00	0.0	4.379	0.000	0	0	0	2

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.63727	PL.63011	A	1/0 AL URD	7.36Y	122.7	0.00	2.32	1.44	1	10	3	96	0.00	0.0	4.394	0.015	10	3	2	2
PL.63626	PL.63552	A	1/0 AL URD	7.36Y	122.7	0.00	2.32	0.86	1	6	2	95	0.00	0.0	4.325	0.010	6	2	3	3
PL.46205	PL.46321	A	6 A (CWC)	7.36Y	122.7	0.06	2.27	26.69	19	191	48	97	0.09	0.0	4.037	0.052	0	0	0	24
PL.46323	PL.46205	A	6 A (CWC)	7.36Y	122.6	0.12	2.39	26.69	19	191	48	97	0.16	0.1	4.134	0.097	5	1	1	24
PL.56001	PL.46323	A	6 A (CWC)	7.35Y	122.5	0.08	2.47	26.00	19	185	47	97	0.11	0.1	4.205	0.071	9	2	1	23
PL.56002	PL.56001	A	6 A (CWC)	7.35Y	122.5	0.06	2.53	23.96	17	171	43	97	0.07	0.0	4.259	0.054	10	2	1	21
PL.46518	PL.56002	A	6 A (CWC)	7.34Y	122.4	0.06	2.59	20.91	15	149	38	97	0.06	0.0	4.319	0.060	0	0	0	19
PL.56003	PL.46518	A	6 A (CWC)	7.34Y	122.3	0.07	2.66	19.51	14	139	35	97	0.07	0.1	4.397	0.078	0	0	0	18
PL.56218	PL.56003	A	6 A (CWC)	7.34Y	122.3	0.05	2.70	15.32	11	109	27	97	0.04	0.0	4.466	0.069	0	0	0	15
PL.60406	PL.56218	A	#1/0 ACSR	7.34Y	122.3	0.00	2.70	0.65	0	5	1	98	0.00	0.0	4.470	0.004	0	0	0	1
PD.8972	PL.60406	A	15T	7.34Y	122.3	0.00	2.70	0.65	0	5	1	98	0.00	0.0	4.470	0.004	0	0	0	1
PL.60407	PD.8972	A	#1/0 ACSR	7.34Y	122.3	0.00	2.70	0.65	0	5	1	98	0.00	0.0	4.530	0.060	5	1	1	1
PL.56577	PL.56218	A	6 A (CWC)	7.34Y	122.3	0.02	2.73	14.67	10	104	26	97	0.02	0.0	4.503	0.037	16	4	3	14
PL.60408	PL.56577	A	#1/0 ACSR	7.34Y	122.3	0.00	2.73	10.01	4	71	18	97	0.00	0.0	4.507	0.004	0	0	0	8
PD.8973	PL.60408	A	30T	7.34Y	122.3	0.00	2.73	10.01	0	71	18	97	0.00	0.0	4.507	0.004	0	0	0	8
PL.63541	PD.8973	A	#1/0 ACSR	7.33Y	122.2	0.03	2.76	10.01	4	71	18	97	0.02	0.0	4.659	0.152	2	1	1	8
PL.64132	PL.63541	A	#1/0 ACSR	7.33Y	122.2	0.01	2.77	9.66	4	69	17	97	0.01	0.0	4.714	0.055	6	1	1	7
PL.60411	PL.64132	A	6 A (CWC)	7.33Y	122.2	0.00	2.77	1.14	1	8	2	97	0.00	0.0	4.717	0.003	0	0	0	1
PD.8975	PL.60411	A	15T	7.33Y	122.2	0.00	2.77	1.14	0	8	2	97	0.00	0.0	4.717	0.003	0	0	0	1
PL.60412	PD.8975	A	6 A (CWC)	7.33Y	122.2	0.00	2.77	1.14	1	8	2	97	0.00	0.0	4.743	0.026	8	2	1	1
PL.56068	PL.64132	A	6 A (CWC)	7.33Y	122.2	0.01	2.78	7.70	6	55	14	97	0.00	0.0	4.742	0.028	1	0	1	5
PL.55998	PL.56068	A	6 A (CWC)	7.33Y	122.2	0.02	2.80	7.50	5	53	13	97	0.01	0.0	4.798	0.056	0	0	0	4
PL.55999	PL.55998	A	6 A (CWC)	7.33Y	122.2	0.02	2.82	6.11	4	43	11	97	0.01	0.0	4.869	0.071	0	0	0	3
PL.56000	PL.55999	A	6 A (CWC)	7.33Y	122.2	0.01	2.83	4.30	3	31	8	97	0.00	0.0	4.912	0.042	16	4	1	2
PL.60417	PL.56000	A	6 A (CWC)	7.33Y	122.2	0.00	2.83	2.01	1	14	4	96	0.00	0.0	4.915	0.003	0	0	0	1
PD.8978	PL.60417	A	15T	7.33Y	122.2	0.00	2.83	2.01	0	14	4	96	0.00	0.0	4.915	0.003	0	0	0	1
PL.60418	PD.8978	A	#4 ACSR	7.33Y	122.2	0.00	2.83	2.01	2	14	4	96	0.00	0.0	4.995	0.079	14	4	1	1
PL.60415	PL.55999	A	#1/0 ACSR	7.33Y	122.2	0.00	2.82	1.81	1	13	3	97	0.00	0.0	4.873	0.003	0	0	0	1
PD.8977	PL.60415	A	15T	7.33Y	122.2	0.00	2.82	1.81	0	13	3	97	0.00	0.0	4.873	0.003	0	0	0	1
PL.60416	PD.8977	A	#1/0 ACSR	7.33Y	122.2	0.00	2.82	1.81	1	13	3	97	0.00	0.0	4.912	0.039	13	3	1	1
PL.60413	PL.55998	A	#4 ACSR	7.33Y	122.2	0.00	2.80	1.39	1	10	2	98	0.00	0.0	4.802	0.003	0	0	0	1

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.8976	PL.60413	A	15T	7.33Y	122.2	0.00	2.80	1.39	0	10	2	98	0.00	0.0	4.802	0.003	0	0	0	1
PL.60414	PD.8976	A	#4 ACSR	7.33Y	122.2	0.00	2.80	1.39	1	10	2	98	0.00	0.0	4.863	0.061	10	2	1	1
PL.60409	PL.56577	A	#4 ACSR	7.34Y	122.3	0.00	2.73	2.47	2	18	4	98	0.00	0.0	4.507	0.003	0	0	0	3
PD.8974	PL.60409	A	15T	7.34Y	122.3	0.00	2.73	2.47	0	18	4	98	0.00	0.0	4.507	0.003	0	0	0	3
PL.60410	PD.8974	A	#4 ACSR	7.34Y	122.3	0.02	2.75	2.47	2	18	4	98	0.00	0.0	4.734	0.227	5	1	1	3
PL.45943	PL.60410	A	#4 ACSR	7.33Y	122.2	0.00	2.75	1.76	1	13	3	97	0.00	0.0	4.791	0.057	2	0	1	2
PL.45944	PL.45943	A	#4 ACSR	7.33Y	122.2	0.00	2.76	1.53	1	11	3	96	0.00	0.0	4.896	0.104	11	3	1	1
PL.60404	PL.56003	A	#1/0 ACSR	7.34Y	122.3	0.00	2.66	1.14	0	8	2	97	0.00	0.0	4.415	0.018	0	0	0	1
PD.8971	PL.60404	A	15T	7.34Y	122.3	0.00	2.66	1.14	0	8	2	97	0.00	0.0	4.415	0.018	0	0	0	1
PL.60405	PD.8971	A	#1/0 ACSR	7.34Y	122.3	0.00	2.66	1.14	0	8	2	97	0.00	0.0	4.490	0.075	8	2	1	1
PL.60402	PL.56003	A	#4 ACSR	7.34Y	122.3	0.00	2.66	3.05	2	22	5	98	0.00	0.0	4.401	0.004	0	0	0	2
PD.8970	PL.60402	A	30T	7.34Y	122.3	0.00	2.66	3.05	0	22	5	98	0.00	0.0	4.401	0.004	0	0	0	2
PL.60403	PD.8970	A	#4 ACSR	7.34Y	122.3	0.00	2.66	3.05	2	22	5	98	0.00	0.0	4.436	0.036	0	0	0	2
PL.56069	PL.60403	A	#4 ACSR	7.34Y	122.3	0.01	2.67	3.05	2	22	5	98	0.00	0.0	4.480	0.044	0	0	0	2
PL.56070	PL.56069	A	#1/0 ACSR	7.34Y	122.3	0.00	2.67	2.03	1	14	4	96	0.00	0.0	4.571	0.091	14	4	1	1
PL.45211	PL.56069	A	#4 ACSR	7.34Y	122.3	0.01	2.67	1.02	1	7	2	96	0.00	0.0	4.626	0.146	0	0	0	1
PL.55997	PL.45211	A	#4 ACSR	7.34Y	122.3	0.00	2.67	1.02	1	7	2	96	0.00	0.0	4.665	0.040	7	2	1	1
PL.60400	PL.46518	A	#2 ACSR	7.34Y	122.4	0.00	2.59	0.00	0	0	0	100	0.00	0.0	4.322	0.003	0	0	0	0
PD.8969	PL.60400	A	20T	7.34Y	122.4	0.00	2.59	0.00	0	0	0	100	0.00	0.0	4.322	0.003	0	0	0	0
PL.60401	PD.8969	A	#2 ACSR	7.34Y	122.4	0.00	2.59	0.00	0	0	0	100	0.00	0.0	4.402	0.079	0	0	0	0
PL.56004	PL.46518	A	#1/0 ACSR	7.34Y	122.4	0.00	2.59	1.40	1	10	3	96	0.00	0.0	4.351	0.032	10	3	1	1
PL.57223	PL.56002	A	#2 ACSR	7.35Y	122.5	0.00	2.53	1.65	1	12	3	97	0.00	0.0	4.323	0.064	12	3	1	1
PL.60398	PL.56001	A	#2 ACSR	7.35Y	122.5	0.00	2.47	0.76	0	5	1	98	0.00	0.0	4.208	0.003	0	0	0	1
PD.8968	PL.60398	A	20T	7.35Y	122.5	0.00	2.47	0.76	0	5	1	98	0.00	0.0	4.208	0.003	0	0	0	1
PL.60399	PD.8968	A	#2 ACSR	7.35Y	122.5	0.00	2.47	0.76	0	5	1	98	0.00	0.0	4.272	0.064	5	1	1	1
PL.46210	PL.56217	A	#4 ACSR	7.41Y	123.4	0.00	1.55	1.88	1	13	3	97	0.00	0.0	3.600	0.002	0	0	0	1
PD.7202	PL.46210	A	50QA	7.41Y	123.4	0.00	1.55	1.88	4	13	3	97	0.00	0.0	3.600	0.002	0	0	0	1
PL.46211	PD.7202	A	#4 ACSR	7.41Y	123.4	0.00	1.55	1.88	1	13	3	97	0.00	0.0	3.658	0.059	13	3	1	1
PL.57677	PL.57676	C	#1/0 ACSR	7.45Y	124.1	0.00	0.89	2.87	1	21	5	97	0.00	0.0	3.511	0.002	0	0	0	2
PD.8392	PL.57677	C	25T	7.45Y	124.1	0.00	0.89	2.87	0	21	5	97	0.00	0.0	3.511	0.002	0	0	0	2
PL.57678	PD.8392	C	#1/0 ACSR	7.45Y	124.1	0.00	0.89	2.87	1	21	5	97	0.00	0.0	3.550	0.039	5	1	1	2

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.56380	PL.57678	C	#1/0 ACSR	7.45Y	124.1	0.00	0.89	2.18	1	16	4	97	0.00	0.0	3.567	0.017	16	4	1	1
PL.60459	PL.62316	C	#2 ACSR	7.47Y	124.5	0.00	0.46	0.37	0	3	1	95	0.00	0.0	3.147	0.003	0	0	0	2
PD.8996	PL.60459	C	50T	7.47Y	124.5	0.00	0.46	0.37	0	3	1	95	0.00	0.0	3.147	0.003	0	0	0	2
PL.60460	PD.8996	C	#2 ACSR	7.47Y	124.5	0.00	0.46	0.37	0	3	1	95	0.00	0.0	3.210	0.063	3	1	2	2
PL.60458	PL.60460	C	#2 ACSR	7.47Y	124.5	0.00	0.46	0.00	0	0	0	100	0.00	0.0	3.339	0.129	0	0	0	0
PL.62317	PL.62318	A	6 A (CWC)	7.49Y	124.8	0.00	0.18	1.06	1	8	2	97	0.00	0.0	2.797	0.002	0	0	0	1
PD.8609	PL.62317	A	50QA	7.49Y	124.8	0.00	0.18	1.06	2	8	2	97	0.00	0.0	2.797	0.002	0	0	0	1
PL.58541	PD.8609	A	6 A (CWC)	7.49Y	124.8	0.00	0.18	1.06	1	8	2	97	0.00	0.0	2.863	0.065	8	2	1	1
PL.59758	PL.60272	C	#1/0 ACSR	7.51Y	125.2	0.00	-0.22	1.15	1	8	2	97	0.00	0.0	2.600	0.004	0	0	0	1
PD.8298	PL.59758	C	30T	7.51Y	125.2	0.00	-0.22	1.15	0	8	2	97	0.00	0.0	2.600	0.004	0	0	0	1
PL.56074	PD.8298	C	#1/0 ACSR	7.51Y	125.2	0.00	-0.22	1.15	1	8	2	97	0.00	0.0	2.696	0.096	8	2	1	1
PL.56146	PL.56147	A	6 A (CWC)	7.19Y	119.9	0.00	5.11	0.33	0	2	1	89	0.00	0.0	2.100	0.003	0	0	0	1
PD.8232	PL.56146	A	75QA	7.19Y	119.9	0.00	5.11	0.33	0	2	1	89	0.00	0.0	2.100	0.003	0	0	0	1
PL.56148	PD.8232	A	6 A (CWC)	7.19Y	119.9	0.00	5.11	0.33	0	2	1	89	0.00	0.0	2.157	0.057	0	0	0	1
PL.56149	PL.56148	A	6 A (CWC)	7.19Y	119.9	0.00	5.11	0.33	0	2	1	89	0.00	0.0	2.205	0.048	2	1	1	1
PL.46314	PL.46327	A	6 A (CWC)	7.21Y	120.2	0.00	4.79	2.34	2	16	4	97	0.00	0.0	1.950	0.001	0	0	0	4
PD.7294	PL.46314	A	75QA	7.21Y	120.2	0.00	4.79	2.34	3	16	4	97	0.00	0.0	1.950	0.001	0	0	0	4
PL.46713	PD.7294	A	6 A (CWC)	7.21Y	120.2	0.00	4.79	2.34	2	16	4	97	0.00	0.0	1.973	0.022	0	0	0	4
PL.46847	PL.46713	A	6 A (CWC)	7.21Y	120.2	0.00	4.79	2.34	2	16	4	97	0.00	0.0	2.015	0.042	11	3	3	4
PL.46848	PL.46847	A	6 A (CWC)	7.21Y	120.2	0.00	4.79	0.83	1	6	1	99	0.00	0.0	2.039	0.024	0	0	0	1
PL.46603	PL.46848	A	6 A (CWC)	7.21Y	120.2	0.00	4.79	0.83	1	6	1	99	0.00	0.0	2.085	0.047	6	1	1	1
PL.56084	PL.47059	C	6 A (CWC)	7.23Y	120.6	0.00	4.43	2.78	2	19	5	97	0.00	0.0	1.791	0.003	0	0	0	2
PD.8301	PL.56084	C	75QA	7.23Y	120.6	0.00	4.43	2.78	4	19	5	97	0.00	0.0	1.791	0.003	0	0	0	2
PL.56085	PD.8301	C	6 A (CWC)	7.23Y	120.6	0.00	4.43	2.78	2	19	5	97	0.00	0.0	1.856	0.066	19	5	2	2
PL.56081	PL.47059	A	6 A (CWC)	7.23Y	120.6	0.00	4.43	32.35	23	227	57	97	0.01	0.0	1.790	0.003	0	0	0	33
PD.8300	PL.56081	A	30T	7.23Y	120.6	0.00	4.43	32.35	0	227	57	97	0.00	0.0	1.790	0.003	0	0	0	33
PL.56082	PD.8300	A	6 A (CWC)	7.23Y	120.5	0.05	4.48	32.35	23	227	57	97	0.08	0.0	1.823	0.033	11	3	1	33
PL.56083	PL.56082	A	6 A (CWC)	7.22Y	120.3	0.26	4.74	30.81	22	216	55	97	0.43	0.2	2.012	0.189	0	0	0	32
PL.46686	PL.56083	A	6 A (CWC)	7.22Y	120.3	0.01	4.75	4.40	3	31	8	97	0.00	0.0	2.042	0.030	0	0	0	5
PL.54441	PL.46686	A	6 A (CWC)	7.21Y	120.2	0.01	4.75	4.40	3	31	8	97	0.00	0.0	2.080	0.038	7	2	1	5
PL.54442	PL.54441	A	6 A (CWC)	7.21Y	120.2	0.00	4.76	3.40	2	24	6	97	0.00	0.0	2.096	0.016	8	2	2	4

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.54443	PL.54442	A	6 A (CWC)	7.21Y	120.2	0.00	4.76	2.21	2	15	4	97	0.00	0.0	2.141	0.045	0	0	0	2
PL.46687	PL.54443	A	6 A (CWC)	7.21Y	120.2	0.00	4.76	2.21	2	15	4	97	0.00	0.0	2.223	0.082	15	4	2	2
PL.54878	PL.56083	A	6 A (CWC)	7.21Y	120.1	0.13	4.87	26.41	19	185	47	97	0.19	0.1	2.123	0.111	0	0	0	27
PL.54882	PL.54878	A	6 A (CWC)	7.21Y	120.1	0.01	4.89	5.95	4	42	10	97	0.00	0.0	2.173	0.050	5	1	1	6
PL.64073	PL.54882	A	6 A (CWC)	7.21Y	120.1	0.00	4.89	5.20	4	36	9	97	0.00	0.0	2.193	0.020	8	2	1	5
PL.64074	PL.64073	A	6 A (CWC)	7.21Y	120.1	0.00	4.89	4.12	3	29	7	97	0.00	0.0	2.193	0.000	8	2	1	4
PL.54881	PL.64074	A	6 A (CWC)	7.21Y	120.1	0.01	4.90	3.03	2	21	5	97	0.00	0.0	2.257	0.064	12	3	1	3
PL.46688	PL.54881	A	6 A (CWC)	7.21Y	120.1	0.00	4.90	1.34	1	9	2	98	0.00	0.0	2.273	0.016	0	0	1	2
PL.46689	PL.46688	A	6 A (CWC)	7.21Y	120.1	0.00	4.90	1.29	1	9	2	98	0.00	0.0	2.313	0.040	9	2	1	1
PL.54879	PL.54878	A	6 A (CWC)	7.21Y	120.1	0.00	4.88	3.79	3	26	7	97	0.00	0.0	2.156	0.033	8	2	1	3
PL.54860	PL.54879	A	6 A (CWC)	7.21Y	120.1	0.01	4.88	2.70	2	19	5	97	0.00	0.0	2.220	0.064	13	3	1	2
PL.54861	PL.54860	A	6 A (CWC)	7.21Y	120.1	0.00	4.89	0.85	1	6	1	99	0.00	0.0	2.267	0.047	6	1	1	1
PL.54880	PL.54878	A	6 A (CWC)	7.21Y	120.1	0.03	4.91	16.67	12	117	29	97	0.03	0.0	2.167	0.045	0	0	0	18
PL.54862	PL.54880	A	#1/0 ACSR	7.21Y	120.1	0.00	4.91	1.32	1	9	2	98	0.00	0.0	2.177	0.010	0	0	0	1
PL.54863	PL.54862	A	#1/0 ACSR	7.21Y	120.1	0.00	4.91	1.32	1	9	2	98	0.00	0.0	2.223	0.046	9	2	1	1
PL.54858	PL.54880	A	6 A (CWC)	7.20Y	120.0	0.07	4.98	15.35	11	107	27	97	0.05	0.1	2.287	0.119	27	7	4	17
PL.54859	PL.54858	A	6 A (CWC)	7.20Y	120.0	0.01	4.99	3.71	3	26	7	97	0.00	0.0	2.374	0.088	11	3	1	2
PL.46690	PL.54859	A	6 A (CWC)	7.20Y	120.0	0.01	5.00	2.14	2	15	4	97	0.00	0.0	2.457	0.083	0	0	0	1
PL.46691	PL.46690	A	6 A (CWC)	7.20Y	120.0	0.00	5.01	2.14	2	15	4	97	0.00	0.0	2.550	0.093	15	4	1	1
PL.54884	PL.54858	A	6 A (CWC)	7.20Y	120.0	0.03	5.01	7.72	6	54	14	97	0.01	0.0	2.409	0.123	26	6	2	11
PL.54883	PL.54884	A	#2 ACSR	7.20Y	120.0	0.00	5.02	2.55	1	18	4	98	0.00	0.0	2.434	0.024	0	0	1	7
PL.54886	PL.54883	A	#2 ACSR	7.20Y	120.0	0.00	5.02	2.55	1	18	4	98	0.00	0.0	2.462	0.029	14	4	2	6
PL.54887	PL.54886	A	#2 ACSR	7.20Y	120.0	0.00	5.02	0.56	0	4	1	97	0.00	0.0	2.532	0.070	0	0	0	4
PL.46712	PL.54887	A	#2 ACSR	7.20Y	120.0	0.00	5.02	0.56	0	4	1	97	0.00	0.0	2.572	0.040	4	1	4	4
PL.54885	PL.54884	A	#4 ACSR	7.20Y	120.0	0.00	5.02	1.50	1	10	3	96	0.00	0.0	2.477	0.068	10	3	2	2
PL.46206	PL.57722	C	6 A (CWC)	7.26Y	121.1	0.00	3.94	1.71	1	12	3	97	0.00	0.0	1.580	0.001	0	0	0	1
PD.7251	PL.46206	C	75QA	7.26Y	121.1	0.00	3.94	1.71	2	12	3	97	0.00	0.0	1.580	0.001	0	0	0	1
PL.46207	PD.7251	C	6 A (CWC)	7.26Y	121.1	0.00	3.94	1.71	1	12	3	97	0.00	0.0	1.623	0.044	12	3	1	1
PL.46188	PL.57722	B	6 A (CWC)	7.26Y	121.1	0.00	3.94	25.15	18	177	45	97	0.00	0.0	1.580	0.001	0	0	0	18
PD.7009	PL.46188	B	75QA	7.26Y	121.1	0.00	3.94	25.15	34	177	45	97	0.00	0.0	1.580	0.001	0	0	0	18
PL.46761	PD.7009	B	6 A (CWC)	7.26Y	121.0	0.03	3.98	25.15	18	177	45	97	0.05	0.0	1.609	0.030	0	0	0	18

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Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.46710	PL.46761	B	6 A (CWC)	7.26Y	121.0	0.07	4.04	25.15	18	177	45	97	0.09	0.0	1.670	0.060	9	2	1	18
PL.46711	PL.46710	B	6 A (CWC)	7.26Y	120.9	0.02	4.06	23.81	17	168	42	97	0.02	0.0	1.687	0.018	0	0	0	17
PL.54430	PL.46711	B	6 A (CWC)	7.25Y	120.8	0.11	4.17	23.81	17	168	42	97	0.14	0.1	1.795	0.108	11	3	1	17
PL.54431	PL.54430	B	6 A (CWC)	7.25Y	120.8	0.05	4.23	22.20	16	156	39	97	0.06	0.0	1.847	0.053	0	0	0	16
PL.62161	PL.54431	B	6 A (CWC)	7.24Y	120.7	0.05	4.28	22.20	16	156	39	97	0.06	0.0	1.904	0.057	17	4	1	15
PL.62162	PL.62161	B	6 A (CWC)	7.24Y	120.7	0.01	4.30	8.24	6	58	15	97	0.01	0.0	1.946	0.042	16	4	1	5
PL.63006	PL.62162	B	#1/0 ACSR	7.24Y	120.7	0.01	4.30	5.95	3	42	11	97	0.00	0.0	1.991	0.045	0	0	0	4
PL.63007	PL.63006	B	#1/0 ACSR	7.24Y	120.7	0.00	4.30	5.95	3	42	11	97	0.00	0.0	1.991	0.000	8	2	1	4
PL.54895	PL.63007	B	#1/0 ACSR	7.24Y	120.7	0.01	4.31	2.52	1	18	4	98	0.00	0.0	2.131	0.140	0	0	1	2
PL.54896	PL.54895	B	#1/0 ACSR	7.24Y	120.7	0.00	4.31	2.49	1	17	4	97	0.00	0.0	2.183	0.052	17	4	1	1
PL.54894	PL.63007	B	#1/0 ACSR	7.24Y	120.7	0.00	4.30	2.32	1	16	4	97	0.00	0.0	2.043	0.052	16	4	1	1
PL.62275	PL.62161	B	#4 ACSR	7.24Y	120.7	0.00	4.28	11.47	9	81	20	97	0.00	0.0	1.904	0.000	0	0	0	9
PD.9316	PL.62275	B	40T	7.24Y	120.7	0.00	4.28	11.47	0	81	20	97	0.00	0.0	1.904	0.000	0	0	0	9
PL.62276	PD.9316	B	#4 ACSR	7.24Y	120.7	0.00	4.28	11.47	9	81	20	97	0.00	0.0	1.904	0.000	0	0	0	9
PL.62165	PL.62276	B	#4 ACSR	7.24Y	120.7	0.01	4.29	10.98	8	77	19	97	0.01	0.0	1.933	0.028	18	5	2	8
PL.62163	PL.62165	B	#4 ACSR	7.24Y	120.7	0.01	4.30	8.43	6	59	15	97	0.00	0.0	1.964	0.031	12	3	1	6
PL.54848	PL.62163	B	#4 ACSR	7.24Y	120.7	0.01	4.32	6.68	5	47	12	97	0.00	0.0	2.011	0.047	7	2	1	5
PL.54847	PL.54848	B	#4 ACSR	7.24Y	120.7	0.01	4.33	5.73	4	40	10	97	0.00	0.0	2.070	0.059	24	6	3	4
PL.54846	PL.54847	B	#4 ACSR	7.24Y	120.7	0.00	4.33	2.34	2	16	4	97	0.00	0.0	2.089	0.019	16	4	1	1
PL.62164	PL.62276	B	#2 ACSR	7.24Y	120.7	0.00	4.28	0.49	0	3	1	95	0.00	0.0	1.957	0.053	3	1	1	1
PL.60396	PL.54431	B	#2 ACSR	7.25Y	120.8	0.00	4.23	0.00	0	0	0	100	0.00	0.0	1.851	0.003	0	0	0	1
PD.8967	PL.60396	B	40T	7.25Y	120.8	0.00	4.23	0.00	0	0	0	100	0.00	0.0	1.851	0.003	0	0	0	1
PL.60397	PD.8967	B	#2 ACSR	7.25Y	120.8	0.00	4.23	0.00	0	0	0	100	0.00	0.0	1.892	0.041	0	0	1	1
PL.46765	PL.46764	C	#2 ACSR	7.29Y	121.5	0.00	3.45	1.28	1	9	2	98	0.00	0.0	1.378	0.002	0	0	0	1
PD.7293	PL.46765	C	60QA	7.29Y	121.5	0.00	3.45	1.28	2	9	2	98	0.00	0.0	1.378	0.002	0	0	0	1
PL.46766	PD.7293	C	#2 ACSR	7.29Y	121.5	0.00	3.45	1.28	1	9	2	98	0.00	0.0	1.402	0.024	9	2	1	1
PL.45828	PL.46351	A	6 A (CWC)	7.33Y	122.2	0.00	2.82	13.23	9	94	24	97	0.00	0.0	1.120	0.003	0	0	0	12
PD.7239	PL.45828	A	75QA	7.33Y	122.2	0.00	2.82	13.23	18	94	24	97	0.00	0.0	1.120	0.003	0	0	0	12
PL.46760	PD.7239	A	6 A (CWC)	7.32Y	122.1	0.11	2.93	13.23	9	94	24	97	0.07	0.1	1.296	0.176	0	0	0	12
PL.60392	PL.46760	A	#4 ACSR	7.32Y	122.1	0.00	2.93	1.81	1	13	3	97	0.00	0.0	1.299	0.003	0	0	0	1
PD.8965	PL.60392	A	40T	7.32Y	122.1	0.00	2.93	1.81	0	13	3	97	0.00	0.0	1.299	0.003	0	0	0	1

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

Balanced Voltage Drop Report
Source: Campground

Database: C:\MILSOFT\DATA\2010-2013 WP PROJECTED LOAD PHASE 2 IMPROVEMENTS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.60393	PD.8965	A	#4 ACSR	7.32Y	122.1	0.00	2.93	1.81	1	13	3	97	0.00	0.0	1.349	0.050	13	3	1	1
PL.54697	PL.46760	A	6 A (CWC)	7.32Y	122.0	0.04	2.97	11.42	8	81	20	97	0.03	0.0	1.381	0.085	0	0	0	11
PL.54698	PL.54697	A	6 A (CWC)	7.32Y	122.0	0.04	3.01	11.42	8	81	20	97	0.03	0.0	1.462	0.081	0	0	0	11
PL.46762	PL.54698	A	6 A (CWC)	7.32Y	122.0	0.03	3.05	11.42	8	81	20	97	0.02	0.0	1.545	0.083	32	8	3	10
PL.60394	PL.46762	A	#2 ACSR	7.32Y	122.0	0.00	3.05	1.73	1	12	3	97	0.00	0.0	1.548	0.003	0	0	0	1
PD.8966	PL.60394	A	40T	7.32Y	122.0	0.00	3.05	1.73	0	12	3	97	0.00	0.0	1.548	0.003	0	0	0	1
PL.60395	PD.8966	A	#2 ACSR	7.32Y	121.9	0.00	3.05	1.73	1	12	3	97	0.00	0.0	1.577	0.030	0	0	0	1
PL.54835	PL.60395	A	#1/0 ACSR	7.32Y	121.9	0.00	3.05	1.73	1	12	3	97	0.00	0.0	1.657	0.080	12	3	1	1
PL.46763	PL.46762	A	6 A (CWC)	7.32Y	121.9	0.01	3.06	5.12	4	36	9	97	0.00	0.0	1.591	0.046	0	0	0	6
PL.45136	PL.46763	A	6 A (CWC)	7.32Y	121.9	0.00	3.06	0.50	0	4	1	97	0.00	0.0	1.611	0.020	4	1	1	1
PL.54866	PL.46763	A	6 A (CWC)	7.32Y	121.9	0.00	3.06	4.62	3	33	8	97	0.00	0.0	1.615	0.023	21	5	4	5
PL.54893	PL.54866	A	6 A (CWC)	7.32Y	121.9	0.00	3.07	1.67	1	12	3	97	0.00	0.0	1.680	0.065	12	3	1	1
PL.54696	PL.54698	A	#2 ACSR	7.32Y	122.0	0.00	3.01	0.00	0	0	0	100	0.00	0.0	1.474	0.012	0	0	1	1
PL.44727	PL.45130	A	#2 ACSR	7.47Y	124.5	0.00	0.54	8.34	5	60	15	97	0.00	0.0	0.212	0.001	0	0	0	6
PD.7226	PL.44727	A	75QA	7.47Y	124.5	0.00	0.54	8.34	11	60	15	97	0.00	0.0	0.212	0.001	0	0	0	6
PL.44728	PD.7226	A	#2 ACSR	7.47Y	124.5	0.00	0.55	8.34	5	60	15	97	0.00	0.0	0.230	0.018	25	6	2	6
PL.54888	PL.44728	A	#2 ACSR	7.47Y	124.4	0.00	0.55	4.85	3	35	9	97	0.00	0.0	0.261	0.031	0	0	0	4
PL.54889	PL.54888	A	#2 ACSR	7.47Y	124.4	0.00	0.55	0.89	1	6	2	95	0.00	0.0	0.294	0.033	6	2	1	1
PL.54890	PL.54888	A	#1/0 ACSR	7.47Y	124.4	0.01	0.56	3.97	2	29	7	97	0.00	0.0	0.327	0.066	0	0	0	3
PL.54914	PL.54890	A	1/0 AL URD	7.47Y	124.4	0.00	0.56	3.97	2	29	7	97	0.00	0.0	0.354	0.027	18	5	1	3
PL.54915	PL.54914	A	1/0 AL URD	7.47Y	124.4	0.00	0.56	1.42	1	10	3	96	0.00	0.0	0.409	0.055	10	3	2	2

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

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	20813	0	0	0	0	0	889	0.00	21705
KVAR	5460	0	0	0	0	0	1789		7249

Lowest Voltage = 117.95 on Element PL.58126
Max Accm VoltD = 7.05 on Element PL.58126
Max Elem VoltD = 1.84 on Element PL.46351