Balanced Voltage Drop Report
Source: Booneville

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
Booneville		ABC	SRC-Boonev	7.50Y	125.0	0.00	0.00	544.01	0	11624	3835	95	0.00	0.0	0.000	0.000	0	0	0	1719
PL.16234	Booneville	ABC	#3/0 ACSR	7.50Y	125.0	0.01	0.01	202.01	67	4317	1422	95	0.19	0.0	0.003	0.003	0	0	0	614
PL.72520	PL.16234	ABC	#3/0 ACSR	7.50Y	125.0	0.01	0.02	202.01	67	4317	1422	95	0.20	0.0	0.006	0.003	0	0	0	614
---------- Feeder No. 2 (Scoville F2) Beginning with Device PD.10796 ----------																				
PD.10796	PL.72520	ABC	480VWE	7.50Y	125.0	0.00	0.02	202.01	0	4317	1422	95	0.00	0.0	0.006	0.003	0	0	0	614
PL.72521	PD.10796	ABC	#3/0 ACSR	7.50Y	125.0	0.02	0.03	202.01	67	4317	1422	95	0.39	0.0	0.011	0.006	0	0	0	614
PL.15457	PL.72521	ABC	#3/0 ACSR	7.50Y	124.9	0.04	0.07	202.01	67	4316	1421	95	1.12	0.0	0.028	0.016	0	0	0	614
PL.15093	PL.15457	ABC	#4 ACSR	7.50Y	124.9	0.00	0.07	1.23	1	25	12	90	0.00	0.0	0.037	0.010	25	12	1	1
PL.15722	PL.15457	ABC	#3/0 ACSR	7.49Y	124.8	0.08	0.15	200.79	67	4290	1407	95	1.98	0.0	0.057	0.029	0	0	0	613
PL.15242	PL.15722	ABC	#3/0 ACSR	7.49Y	124.8	0.01	0.16	200.79	67	4288	1404	95	0.29	0.0	0.061	0.004	0	0	0	613
PL.15243	PL.15242	ABC	#1/0 ACSR	7.49Y	124.8	0.00	0.16	5.46	2	114	45	93	0.00	0.0	0.066	0.005	0	0	0	7
PD.2434	PL.15243	ABC	65T	7.49Y	124.8	0.00	0.16	5.46	0	114	45	93	0.00	0.0	0.066	0.005	0	0	0	7
PL.15244	PD.2434	ABC	#1/0 ACSR	7.49Y	124.8	0.02	0.18	5.46	2	114	45	93	0.01	0.0	0.240	0.174	18	5	3	7
PL.15543	PL.15244	ABC	#1/0 ACSR	7.49Y	124.8	0.00	0.18	4.63	2	96	40	92	0.00	0.0	0.292	0.052	0	0	0	4
PL.15095	PL.15543	ABC	350 MCM AL	7.49Y	124.8	0.00	0.18	3.27	1	66	32	90	0.00	0.0	0.294	0.002	0	0	0	3
PD.2427	PL.15095	ABC	40T	7.49Y	124.8	0.00	0.18	3.27	0	66	32	90	0.00	0.0	0.294	0.002	0	0	0	3
PL.15488	PD.2427	ABC	350 MCM AL	7.49Y	124.8	0.00	0.18	3.27	1	66	32	90	0.00	0.0	0.295	0.002	28	13	2	3
PL.15208	PL.15488	ABC	350 MCM AL	7.49Y	124.8	0.00	0.18	1.90	1	38	19	89	0.00	0.0	0.352	0.057	38	19	1	1
PL.15094	PL.15543	C	#1/0 ACSR	7.49Y	124.8	0.00	0.18	4.12	2	30	8	97	0.00	0.0	0.306	0.014	30	8	1	1
PL.15458	PL.15242	ABC	#3/0 ACSR	7.48Y	124.7	0.16	0.32	195.35	65	4174	1359	95	4.04	0.1	0.124	0.063	0	0	0	606
PL.15102	PL.15458	ABC	#3/0 ACSR	7.46Y	124.3	0.33	0.65	195.35	65	4170	1353	95	8.29	0.2	0.254	0.129	0	0	0	606
PL.15459	PL.15102	ABC	#3/0 ACSR	7.44Y	124.0	0.33	0.98	195.35	65	4162	1341	95	8.37	0.2	0.384	0.131	0	0	0	606
PL.15495	PL.15459	ABC	#3/0 ACSR	7.43Y	123.8	0.24	1.23	195.35	65	4153	1329	95	6.16	0.1	0.480	0.096	0	0	0	606
PL.15692	PL.15495	A	#2 ACSR	7.43Y	123.8	0.00	1.23	21.40	12	153	41	97	0.00	0.0	0.485	0.005	0	0	0	15
PD.2414	PL.15692	A	65T	7.43Y	123.8	0.00	1.23	21.40	0	153	41	97	0.00	0.0	0.485	0.005	0	0	0	15
PL.15693	PD.2414	A	#2 ACSR	7.42Y	123.7	0.02	1.25	21.40	12	153	41	97	0.02	0.0	0.520	0.035	9	2	1	15
PL.15603	PL.15693	A	#2 ACSR	7.42Y	123.7	0.02	1.28	20.11	11	144	39	97	0.02	0.0	0.553	0.033	2	1	1	14
PL.15604	PL.15603	A	#2 ACSR	7.42Y	123.7	0.04	1.31	19.81	11	142	38	97	0.03	0.0	0.611	0.059	10	3	1	13
PL.15104	PL.15604	A	#2 ACSR	7.42Y	123.7	0.00	1.31	0.06	0	0	0	100	0.00	0.0	0.648	0.037	0	0	1	1
PL.15605	PL.15604	A	#2 ACSR	7.42Y	123.7	0.01	1.32	18.28	10	131	35	97	0.01	0.0	0.631	0.020	67	18	2	11

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

Balanced Voltage Drop Report
Source: Booneville

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.15606	PL.15605	A	#2 ACSR	7.42Y	123.7	0.01	1.33	8.98	5	64	17	97	0.00	0.0	0.666	0.035	0	0	0	9
PL.15105	PL.15606	A	#1/0 ACSR	7.42Y	123.7	0.00	1.33	3.89	2	28	7	97	0.00	0.0	0.681	0.014	28	7	2	2
PL.15106	PL.15606	A	#2 ACSR	7.42Y	123.7	0.01	1.34	5.09	3	36	10	96	0.00	0.0	0.728	0.062	5	1	2	7
PL.15607	PL.15106	A	6 A (CWC)	7.42Y	123.7	0.01	1.35	4.41	3	32	8	97	0.00	0.0	0.768	0.040	2	1	1	5
PL.15608	PL.15607	A	6 A (CWC)	7.42Y	123.7	0.00	1.35	4.12	3	30	8	97	0.00	0.0	0.801	0.033	21	6	1	4
PL.15609	PL.15608	A	6 A (CWC)	7.42Y	123.6	0.00	1.35	1.19	1	9	2	98	0.00	0.0	0.824	0.023	1	0	2	3
PL.15107	PL.15609	A	6 A (CWC)	7.42Y	123.6	0.00	1.35	1.10	1	8	2	97	0.00	0.0	0.868	0.045	8	2	1	1
PL.15108	PL.15609	A	#4 ACSR	7.42Y	123.6	0.00	1.35	0.00	0	0	0	100	0.00	0.0	0.936	0.112	0	0	0	0
PL.15601	PL.15495	ABC	#3/0 ACSR	7.42Y	123.6	0.14	1.37	188.22	63	3994	1279	95	3.49	0.1	0.539	0.059	13	3	2	591
PL.15602	PL.15601	ABC	#3/0 ACSR	7.41Y	123.5	0.14	1.51	187.63	63	3977	1270	95	3.40	0.1	0.596	0.057	0	0	0	589
PL.15712	PL.15602	ABC	#3/0 ACSR	7.40Y	123.3	0.18	1.69	187.63	63	3974	1265	95	4.37	0.1	0.670	0.074	0	0	0	589
PL.15713	PL.15712	ABC	#3/0 ACSR	7.40Y	123.3	0.01	1.70	187.63	63	3970	1259	95	0.23	0.0	0.674	0.004	0	0	0	589
PL.15103	PL.15713	ABC	#3/0 ACSR	7.39Y	123.1	0.21	1.91	187.41	62	3965	1258	95	5.14	0.1	0.761	0.087	0	0	0	588
PL.15097	PL.15103	ABC	#1/0 ACSR	7.39Y	123.1	0.00	1.91	3.45	1	69	33	90	0.00	0.0	0.773	0.012	69	33	3	3
PL.15210	PL.15103	ABC	336 MCM AC	7.38Y	123.0	0.08	1.99	184.00	35	3891	1217	95	1.58	0.0	0.817	0.055	0	0	0	585
PL.15211	PL.15210	ABC	336 MCM AC	7.37Y	122.9	0.11	2.11	181.55	35	3837	1199	95	2.26	0.1	0.898	0.081	0	0	0	580
PL.15461	PL.15211	ABC	336 MCM AC	7.37Y	122.9	0.00	2.11	6.52	1	130	63	90	0.00	0.0	0.916	0.018	0	0	0	1
PL.15101	PL.15461	ABC	350 MCM AL	7.37Y	122.9	0.00	2.11	6.52	2	130	63	90	0.00	0.0	0.917	0.001	0	0	0	1
PD.2428	PL.15101	ABC	65T	7.37Y	122.9	0.00	2.11	6.52	0	130	63	90	0.00	0.0	0.917	0.001	0	0	0	1
PL.15489	PD.2428	ABC	350 MCM AL	7.37Y	122.9	0.00	2.11	6.52	2	130	63	90	0.00	0.0	0.918	0.001	130	63	1	1
PL.15212	PL.15211	ABC	336 MCM AC	7.37Y	122.9	0.00	2.11	9.46	2	202	54	97	0.00	0.0	0.910	0.012	44	12	7	31
PL.15640	PL.15212	C	#1/0 ACSR	7.37Y	122.9	0.00	2.11	4.10	2	29	8	96	0.00	0.0	0.914	0.005	0	0	0	4
PD.2387	PL.15640	C	65T	7.37Y	122.9	0.00	2.11	4.10	0	29	8	96	0.00	0.0	0.914	0.005	0	0	0	4
PL.15641	PD.2387	C	#1/0 ACSR	7.37Y	122.9	0.00	2.11	4.10	2	29	8	96	0.00	0.0	0.931	0.017	29	8	4	4
PL.15213	PL.15212	ABC	336 MCM AC	7.37Y	122.9	0.00	2.11	6.04	1	129	35	97	0.00	0.0	0.935	0.025	71	19	12	20
PL.15638	PL.15213	B	6 A (CWC)	7.37Y	122.9	0.00	2.11	8.10	6	58	15	97	0.00	0.0	0.939	0.005	0	0	0	8
PD.2386	PL.15638	B	65T	7.37Y	122.9	0.00	2.11	8.10	0	58	15	97	0.00	0.0	0.939	0.005	0	0	0	8
PL.15639	PD.2386	B	6 A (CWC)	7.37Y	122.9	0.01	2.12	8.10	6	58	15	97	0.00	0.0	0.969	0.029	30	8	5	8
PL.15536	PL.15639	B	6 A (CWC)	7.37Y	122.9	0.00	2.12	3.95	3	28	8	96	0.00	0.0	1.007	0.038	28	8	3	3
PL.15541	PL.15211	ABC	336 MCM AC	7.37Y	122.8	0.04	2.15	165.65	32	3503	1076	96	0.79	0.0	0.932	0.034	0	0	2	548
PL.15542	PL.15541	ABC	336 MCM AC	7.37Y	122.8	0.02	2.17	165.63	32	3501	1075	96	0.37	0.0	0.948	0.016	21	6	2	546

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Balanced Voltage Drop Report
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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.15539	PL.15542	ABC	336 MCM AC	7.37Y	122.8	0.06	2.23	164.65	32	3480	1068	96	1.10	0.0	0.996	0.048	0	0	0	544
PL.15217	PL.15539	ABC	336 MCM AC	7.36Y	122.7	0.02	2.25	164.65	32	3479	1065	96	0.35	0.0	1.012	0.015	3	1	1	544
PL.15644	PL.15217	C	#2 ACSR	7.36Y	122.7	0.00	2.25	0.64	0	5	1	98	0.00	0.0	1.016	0.005	0	0	0	1
PD.2389	PL.15644	C	65T	7.36Y	122.7	0.00	2.25	0.64	0	5	1	98	0.00	0.0	1.016	0.005	0	0	0	1
PL.15645	PD.2389	C	#2 ACSR	7.36Y	122.7	0.00	2.25	0.64	0	5	1	98	0.00	0.0	1.026	0.010	0	0	0	1
PL.15110	PL.15645	C	#4 ACSR	7.36Y	122.7	0.00	2.25	0.64	0	5	1	98	0.00	0.0	1.048	0.021	5	1	1	1
PL.15218	PL.15217	ABC	336 MCM AC	7.36Y	122.7	0.04	2.29	164.28	32	3471	1063	96	0.63	0.0	1.040	0.028	0	0	0	542
PL.15111	PL.15218	ABC	336 MCM AC	7.36Y	122.6	0.08	2.37	164.28	32	3470	1061	96	1.46	0.0	1.104	0.064	0	0	0	542
PL.15222	PL.15111	ABC	#1/0 ACSR	7.36Y	122.6	0.00	2.37	3.89	2	82	24	96	0.00	0.0	1.141	0.037	0	0	0	16
PL.15223	PL.15222	ABC	#1/0 ACSR	7.36Y	122.6	0.00	2.37	2.28	1	48	15	95	0.00	0.0	1.146	0.005	0	0	0	6
PL.15219	PL.15223	ABC	#1/0 ACSR	7.36Y	122.6	0.00	2.37	2.28	1	48	15	95	0.00	0.0	1.221	0.075	0	0	0	6
PL.15646	PL.15219	A	#1/0 ACSR	7.36Y	122.6	0.00	2.37	0.87	0	6	2	95	0.00	0.0	1.226	0.005	0	0	0	2
PD.2390	PL.15646	A	65T	7.36Y	122.6	0.00	2.37	0.87	0	6	2	95	0.00	0.0	1.226	0.005	0	0	0	2
PL.15647	PD.2390	A	#1/0 ACSR	7.36Y	122.6	0.00	2.37	0.87	0	6	2	95	0.00	0.0	1.284	0.058	6	2	2	2
PL.15215	PL.15219	ABC	6 A (CWC)	7.36Y	122.6	0.00	2.37	1.99	1	42	14	95	0.00	0.0	1.244	0.023	30	8	2	4
PL.15216	PL.15215	ABC	6 A (CWC)	7.36Y	122.6	0.00	2.37	0.57	0	11	5	91	0.00	0.0	1.245	0.001	11	5	2	2
PL.15700	PL.15222	A	#1/0 ACSR	7.36Y	122.6	0.00	2.37	1.74	1	12	3	97	0.00	0.0	1.146	0.005	0	0	0	8
PD.2419	PL.15700	A	65T	7.36Y	122.6	0.00	2.37	1.74	0	12	3	97	0.00	0.0	1.146	0.005	0	0	0	8
PL.15701	PD.2419	A	#1/0 ACSR	7.36Y	122.6	0.00	2.37	1.74	1	12	3	97	0.00	0.0	1.211	0.065	1	0	1	8
PL.15554	PL.15701	A	#1/0 ACSR	7.36Y	122.6	0.00	2.37	1.64	1	12	3	97	0.00	0.0	1.260	0.050	4	1	3	7
PL.15555	PL.15554	A	#1/0 ACSR	7.36Y	122.6	0.00	2.38	1.09	0	8	2	97	0.00	0.0	1.379	0.118	0	0	0	4
PL.15358	PL.15555	A	#2 ACSR	7.36Y	122.6	0.00	2.38	1.09	1	8	2	97	0.00	0.0	1.440	0.062	0	0	0	4
PL.15359	PL.15358	A	#2 ACSR	7.36Y	122.6	0.00	2.38	1.09	1	8	2	97	0.00	0.0	1.567	0.127	1	0	1	4
PL.15360	PL.15359	A	#2 ACSR	7.36Y	122.6	0.00	2.38	0.90	1	6	2	95	0.00	0.0	1.620	0.053	6	2	3	3
PL.15357	PL.15222	A	#1/0 ACSR	7.36Y	122.6	0.00	2.37	3.08	1	22	6	96	0.00	0.0	1.146	0.005	0	0	0	2
PD.2393	PL.15357	A	65T	7.36Y	122.6	0.00	2.37	3.08	0	22	6	96	0.00	0.0	1.146	0.005	0	0	0	2
PL.15462	PD.2393	A	#1/0 ACSR	7.36Y	122.6	0.00	2.37	1.86	1	13	4	96	0.00	0.0	1.163	0.017	13	4	1	1
PL.15220	PD.2393	A	#1/0 ACSR	7.36Y	122.6	0.00	2.37	1.22	1	9	2	98	0.00	0.0	1.152	0.006	0	0	0	1
PL.15221	PL.15220	A	#1/0 ACSR	7.36Y	122.6	0.00	2.37	1.22	1	9	2	98	0.00	0.0	1.152	0.000	0	0	0	1
PL.15356	PL.15221	A	#1/0 ACSR	7.36Y	122.6	0.00	2.37	1.22	1	9	2	98	0.00	0.0	1.174	0.022	9	2	1	1
PL.15494	PL.15111	ABC	336 MCM AC	7.36Y	122.6	0.02	2.38	117.48	23	2472	783	95	0.20	0.0	1.121	0.017	0	0	0	357

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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.15112	PL.15494	ABC	#1/0 ACSR	7.35Y	122.5	0.10	2.48	117.48	51	2472	783	95	1.71	0.1	1.168	0.047	7	2	1	357
PL.15113	PL.15112	ABC	#1/0 ACSR	7.35Y	122.5	0.05	2.53	98.81	43	2075	666	95	0.69	0.0	1.194	0.026	0	0	0	300
PL.15493	PL.15113	ABC	#1/0 ACSR	7.33Y	122.2	0.23	2.76	93.93	41	1974	624	95	3.17	0.2	1.329	0.135	0	0	0	294
PL.15207	PL.15493	ABC	#1/0 ACSR	7.33Y	122.1	0.12	2.88	93.93	41	1971	621	95	1.61	0.1	1.398	0.069	0	0	0	294
PL.15224	PL.15207	ABC	#1/0 ACSR	7.32Y	122.1	0.06	2.94	88.48	38	1858	573	96	0.79	0.0	1.436	0.038	21	6	1	288
PL.15650	PL.15224	A	6 A (CWC)	7.32Y	122.0	0.01	2.95	30.44	22	215	58	97	0.01	0.0	1.441	0.005	0	0	0	50
PD.2392	PL.15650	A	65T	7.32Y	122.0	0.00	2.95	30.44	0	215	58	97	0.00	0.0	1.441	0.005	0	0	0	50
PL.15651	PD.2392	A	6 A (CWC)	7.32Y	122.0	0.02	2.98	30.44	22	215	58	97	0.04	0.0	1.458	0.018	0	0	0	50
PL.15546	PL.15651	A	6 A (CWC)	7.32Y	122.0	0.01	2.98	12.29	9	87	23	97	0.00	0.0	1.477	0.018	39	10	9	19
PL.15547	PL.15546	A	6 A (CWC)	7.32Y	122.0	0.01	2.99	6.80	5	48	13	97	0.00	0.0	1.496	0.020	16	4	5	10
PL.15548	PL.15547	A	6 A (CWC)	7.32Y	122.0	0.00	2.99	4.47	3	32	8	97	0.00	0.0	1.518	0.022	32	8	5	5
PL.15544	PL.15651	A	6 A (CWC)	7.32Y	122.0	0.01	2.99	18.15	13	128	34	97	0.01	0.0	1.478	0.020	37	10	10	31
PL.15545	PL.15544	A	6 A (CWC)	7.32Y	122.0	0.01	3.00	12.87	9	91	24	97	0.01	0.0	1.505	0.027	20	5	5	21
PL.15119	PL.15545	A	6 A (CWC)	7.32Y	122.0	0.02	3.02	10.05	7	71	19	97	0.01	0.0	1.546	0.041	0	0	0	16
PL.15120	PL.15119	A	6 A (CWC)	7.32Y	122.0	0.00	3.02	0.04	0	0	0	100	0.00	0.0	1.583	0.037	0	0	1	1
PL.15464	PL.15119	A	6 A (CWC)	7.32Y	122.0	0.01	3.03	8.90	6	63	17	97	0.00	0.0	1.572	0.026	63	17	14	14
PL.15121	PL.15119	A	#4 ACSR	7.32Y	122.0	0.00	3.02	1.11	1	8	2	97	0.00	0.0	1.601	0.056	8	2	1	1
PL.15718	PL.15224	ABC	#1/0 ACSR	7.32Y	122.1	0.00	2.94	5.59	2	113	47	92	0.00	0.0	1.441	0.005	0	0	0	6
PD.2432	PL.15718	ABC	65T	7.32Y	122.1	0.00	2.94	5.59	0	113	47	92	0.00	0.0	1.441	0.005	0	0	0	6
PL.15719	PD.2432	ABC	#1/0 ACSR	7.32Y	122.1	0.00	2.95	5.59	2	113	47	92	0.00	0.0	1.455	0.014	2	1	1	6
PL.15551	PL.15719	ABC	#1/0 ACSR	7.32Y	122.0	0.01	2.95	5.49	2	111	47	92	0.00	0.0	1.513	0.058	24	6	1	5
PL.15614	PL.15551	ABC	#1/0 ACSR	7.32Y	122.0	0.00	2.96	4.37	2	87	40	91	0.00	0.0	1.554	0.042	9	2	3	4
PL.15615	PL.15614	ABC	#1/0 ACSR	7.32Y	122.0	0.00	2.96	3.94	2	78	38	90	0.00	0.0	1.568	0.014	78	38	1	1
PL.15225	PL.15224	ABC	#1/0 ACSR	7.32Y	122.0	0.10	3.04	71.77	31	1508	462	96	1.05	0.1	1.512	0.076	0	0	0	231
PL.15126	PL.15225	ABC	#2 ACSR	7.32Y	122.0	0.00	3.05	11.78	7	233	113	90	0.01	0.0	1.522	0.010	0	0	0	1
PL.15127	PL.15126	ABC	1/0 AL URD	7.32Y	122.0	0.00	3.05	11.78	7	233	113	90	0.00	0.0	1.525	0.003	0	0	0	1
PD.2431	PL.15127	ABC	65T	7.32Y	122.0	0.00	3.05	11.78	0	233	113	90	0.00	0.0	1.525	0.003	0	0	0	1
PL.15490	PD.2431	ABC	1/0 AL URD	7.32Y	122.0	0.00	3.05	11.78	7	233	113	90	0.00	0.0	1.525	0.001	233	113	1	1
PL.15128	PL.15225	ABC	#1/0 ACSR	7.31Y	121.9	0.08	3.12	60.16	26	1274	348	96	0.70	0.1	1.586	0.074	24	6	2	230
PL.15129	PL.15128	ABC	#1/0 ACSR	7.31Y	121.8	0.06	3.19	57.32	25	1213	331	96	0.54	0.0	1.650	0.064	66	18	1	226
PL.15130	PL.15129	ABC	#1/0 ACSR	7.31Y	121.8	0.04	3.22	54.20	24	1146	313	96	0.30	0.0	1.688	0.038	6	1	1	225

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Balanced Voltage Drop Report
Source: Booneville

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.15696	PL.15130	A	#1/0 ACSR	7.31Y	121.8	0.00	3.23	11.36	5	80	22	96	0.00	0.0	1.693	0.005	0	0	0	16
PD.2416	PL.15696	A	25T	7.31Y	121.8	0.00	3.23	11.36	0	80	22	96	0.00	0.0	1.693	0.005	0	0	0	16
PL.15697	PD.2416	A	#1/0 ACSR	7.31Y	121.8	0.02	3.24	11.36	5	80	22	96	0.01	0.0	1.761	0.068	1	0	1	16
PL.15138	PL.15697	A	#2 ACSR	7.30Y	121.7	0.01	3.26	11.26	6	79	21	97	0.01	0.0	1.801	0.040	0	0	0	15
PL.15136	PL.15138	A	#2 ACSR	7.30Y	121.7	0.00	3.26	11.26	6	79	21	97	0.00	0.0	1.810	0.009	1	0	1	15
PL.15137	PL.15136	A	6 A (CWC)	7.30Y	121.7	0.04	3.30	11.14	8	79	21	97	0.02	0.0	1.879	0.069	0	0	0	14
PL.65820	PL.15137	A	6 A (CWC)	7.30Y	121.7	0.02	3.31	11.14	8	79	21	97	0.01	0.0	1.913	0.034	0	0	0	14
PL.15230	PL.65820	A	6 A (CWC)	7.30Y	121.7	0.01	3.32	2.06	1	15	4	97	0.00	0.0	1.977	0.064	3	1	1	3
PL.15142	PL.15230	A	6 A (CWC)	7.30Y	121.7	0.00	3.32	1.70	1	12	3	97	0.00	0.0	2.035	0.058	12	3	2	2
PL.15231	PL.65820	A	6 A (CWC)	7.30Y	121.7	0.02	3.33	9.08	6	64	17	97	0.01	0.0	1.961	0.048	11	3	3	11
PL.15141	PL.15231	A	6 A (CWC)	7.30Y	121.6	0.02	3.35	7.51	5	53	14	97	0.01	0.0	2.022	0.061	7	2	1	8
PL.15143	PL.15141	A	6 A (CWC)	7.30Y	121.6	0.01	3.36	6.46	5	46	12	97	0.00	0.0	2.067	0.046	11	3	1	7
PL.15144	PL.15143	A	6 A (CWC)	7.30Y	121.6	0.01	3.38	4.88	3	34	9	97	0.00	0.0	2.136	0.069	10	3	3	6
PL.15145	PL.15144	A	6 A (CWC)	7.30Y	121.6	0.01	3.38	3.45	2	24	7	96	0.00	0.0	2.182	0.046	9	2	1	3
PL.15146	PL.15145	A	#1/0 ACSR	7.30Y	121.6	0.00	3.38	1.08	0	8	2	97	0.00	0.0	2.222	0.040	8	2	1	1
PL.15147	PL.15145	A	#2 ACSR	7.30Y	121.6	0.00	3.38	1.10	1	8	2	97	0.00	0.0	2.215	0.033	8	2	1	1
PL.15131	PL.15130	ABC	#1/0 ACSR	7.30Y	121.7	0.03	3.25	49.44	21	1045	286	96	0.21	0.0	1.721	0.033	7	2	2	206
PL.15132	PL.15131	ABC	#1/0 ACSR	7.30Y	121.7	0.05	3.30	49.13	21	1039	284	96	0.34	0.0	1.773	0.052	0	0	0	204
PL.15632	PL.15132	A	#1/0 ACSR	7.30Y	121.7	0.00	3.30	1.38	1	10	3	96	0.00	0.0	1.778	0.005	0	0	0	1
PD.2383	PL.15632	A	65T	7.30Y	121.7	0.00	3.30	1.38	0	10	3	96	0.00	0.0	1.778	0.005	0	0	0	1
PL.15633	PD.2383	A	#1/0 ACSR	7.30Y	121.7	0.00	3.30	1.38	1	10	3	96	0.00	0.0	1.798	0.020	10	3	1	1
PL.15133	PL.15132	ABC	#2/0 ACSR	7.30Y	121.7	0.03	3.33	48.67	18	1029	281	96	0.18	0.0	1.809	0.036	6	2	4	203
PL.15452	PL.15133	ABC	#2/0 ACSR	7.30Y	121.7	0.01	3.34	31.44	12	665	179	97	0.05	0.0	1.831	0.022	0	0	0	139
PL.15521	PL.15452	ABC	#2/0 ACSR	7.30Y	121.7	0.01	3.35	31.44	12	665	179	97	0.05	0.0	1.857	0.026	2	1	1	139
PL.15522	PL.15521	ABC	#2/0 ACSR	7.30Y	121.6	0.03	3.38	31.32	12	662	178	97	0.13	0.0	1.925	0.068	39	11	7	138
PL.15520	PL.15522	ABC	#2/0 ACSR	7.30Y	121.6	0.01	3.39	29.47	11	623	168	97	0.05	0.0	1.951	0.026	0	0	0	131
PL.15148	PL.15520	ABC	#2/0 ACSR	7.30Y	121.6	0.01	3.40	12.88	5	272	73	97	0.01	0.0	1.987	0.035	0	0	0	35
PL.15226	PL.15148	B	6 A (CWC)	7.29Y	121.5	0.08	3.48	38.64	28	272	73	97	0.16	0.1	2.032	0.046	10	3	1	35
PL.15227	PL.15226	B	6 A (CWC)	7.29Y	121.4	0.09	3.57	33.91	24	239	64	97	0.17	0.1	2.096	0.063	16	4	2	33
PL.15161	PL.15227	B	6 A (CWC)	7.28Y	121.4	0.01	3.59	5.21	4	37	10	97	0.00	0.0	2.155	0.059	3	1	1	5
PL.15162	PL.15161	B	6 A (CWC)	7.28Y	121.4	0.01	3.60	4.72	3	33	9	96	0.00	0.0	2.210	0.055	7	2	1	4

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Balanced Voltage Drop Report
Source: Booneville

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.15163	PL.15162	B	6 A (CWC)	7.28Y	121.4	0.01	3.60	3.74	3	26	7	97	0.00	0.0	2.257	0.047	0	0	0	3
PL.15164	PL.15163	B	6 A (CWC)	7.28Y	121.4	0.00	3.61	3.74	3	26	7	97	0.00	0.0	2.286	0.030	26	7	3	3
PL.15160	PL.15227	B	6 A (CWC)	7.28Y	121.4	0.02	3.59	26.38	19	186	50	97	0.03	0.0	2.113	0.018	27	7	3	26
PL.15510	PL.15160	B	6 A (CWC)	7.28Y	121.4	0.03	3.62	22.61	16	159	43	97	0.04	0.0	2.145	0.032	3	1	2	23
PL.15511	PL.15510	B	6 A (CWC)	7.28Y	121.3	0.03	3.65	22.16	16	156	42	97	0.03	0.0	2.175	0.030	8	2	2	21
PL.15509	PL.15511	B	6 A (CWC)	7.28Y	121.3	0.02	3.67	21.03	15	148	40	97	0.02	0.0	2.195	0.019	0	0	1	19
PL.15166	PL.15509	B	#2 ACSR	7.28Y	121.3	0.05	3.72	19.26	11	135	36	97	0.05	0.0	2.271	0.077	0	0	0	16
PL.15515	PL.15166	B	#2 ACSR	7.28Y	121.3	0.00	3.72	6.26	4	44	12	96	0.00	0.0	2.294	0.022	8	2	1	6
PL.15516	PL.15515	B	#2 ACSR	7.28Y	121.3	0.00	3.73	5.07	3	36	10	96	0.00	0.0	2.320	0.027	24	6	3	5
PL.15517	PL.15516	B	#2 ACSR	7.28Y	121.3	0.00	3.73	1.65	1	12	3	97	0.00	0.0	2.345	0.025	12	3	2	2
PL.15168	PL.15166	B	#2 ACSR	7.28Y	121.3	0.02	3.74	10.76	6	76	20	97	0.01	0.0	2.332	0.061	0	0	0	9
PL.15169	PL.15168	B	#2 ACSR	7.28Y	121.3	0.01	3.74	3.09	2	22	6	96	0.00	0.0	2.439	0.107	22	6	2	2
PL.15514	PL.15168	B	#2 ACSR	7.28Y	121.3	0.00	3.74	7.68	4	54	14	97	0.00	0.0	2.355	0.023	16	4	2	7
PL.15518	PL.15514	B	#2 ACSR	7.28Y	121.3	0.00	3.75	5.36	3	38	10	97	0.00	0.0	2.386	0.031	25	7	3	5
PL.15519	PL.15518	B	#2 ACSR	7.28Y	121.3	0.00	3.75	1.80	1	13	3	97	0.00	0.0	2.416	0.030	13	3	2	2
PL.15167	PL.15166	B	#2 ACSR	7.28Y	121.3	0.00	3.72	2.24	1	16	4	97	0.00	0.0	2.328	0.056	16	4	1	1
PL.15512	PL.15509	B	#2 ACSR	7.28Y	121.3	0.00	3.67	1.77	1	12	3	97	0.00	0.0	2.218	0.023	8	2	1	2
PL.15513	PL.15512	B	#2 ACSR	7.28Y	121.3	0.00	3.67	0.59	0	4	1	97	0.00	0.0	2.246	0.028	4	1	1	1
PL.15159	PL.15226	B	#4 ACSR	7.29Y	121.5	0.00	3.48	3.26	3	23	6	97	0.00	0.0	2.080	0.047	23	6	1	1
PL.15228	PL.15520	ABC	#1/0 ACSR	7.30Y	121.6	0.01	3.40	16.59	7	351	94	97	0.02	0.0	1.982	0.031	0	0	0	96
PL.15229	PL.15228	ABC	#1/0 ACSR	7.30Y	121.6	0.00	3.40	16.59	7	351	94	97	0.00	0.0	1.986	0.004	13	3	1	96
PL.15149	PL.15229	B	#2 ACSR	7.30Y	121.6	0.00	3.41	30.70	18	216	58	97	0.01	0.0	1.990	0.004	0	0	0	41
PL.15630	PL.15149	B	1/0 AL URD	7.30Y	121.6	0.00	3.41	9.74	6	69	18	97	0.00	0.0	1.994	0.003	0	0	0	11
PD.2382	PL.15630	B	65T	7.30Y	121.6	0.00	3.41	9.74	0	69	18	97	0.00	0.0	1.994	0.003	0	0	0	11
PL.15631	PD.2382	B	1/0 AL URD	7.30Y	121.6	0.00	3.41	9.74	6	69	18	97	0.00	0.0	1.997	0.003	22	6	1	11
PL.15616	PL.15631	B	1/0 AL URD	7.30Y	121.6	0.01	3.41	6.59	4	46	12	97	0.00	0.0	2.028	0.030	17	4	4	10
PL.15617	PL.15616	B	1/0 AL URD	7.30Y	121.6	0.00	3.42	4.23	2	30	8	97	0.00	0.0	2.064	0.036	30	8	6	6
PL.15618	PL.15617	B	1/0 AL URD	7.30Y	121.6	0.00	3.42	0.00	0	0	0	100	0.00	0.0	2.097	0.033	0	0	0	0
PL.15150	PL.15149	B	1/0 AL URD	7.30Y	121.6	0.00	3.41	20.96	12	148	40	97	0.00	0.0	1.995	0.005	0	0	0	30
PD.2418	PL.15150	B	65T	7.30Y	121.6	0.00	3.41	20.96	0	148	40	97	0.00	0.0	1.995	0.005	0	0	0	30
PL.15619	PD.2418	B	1/0 AL URD	7.29Y	121.6	0.02	3.43	20.96	12	148	40	97	0.02	0.0	2.024	0.029	28	8	6	30

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Balanced Voltage Drop Report
Source: Booneville

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.15620	PL.15619	B	1/0 AL URD	7.29Y	121.5	0.02	3.45	16.96	10	119	32	97	0.02	0.0	2.075	0.051	28	7	6	24
PL.15622	PL.15620	B	1/0 AL URD	7.29Y	121.5	0.01	3.46	13.02	8	92	25	97	0.01	0.0	2.115	0.039	22	6	4	18
PL.15623	PL.15622	B	1/0 AL URD	7.29Y	121.5	0.01	3.47	9.94	6	70	19	97	0.00	0.0	2.150	0.035	54	14	10	14
PL.15621	PL.15623	B	1/0 AL URD	7.29Y	121.5	0.00	3.47	2.31	1	16	4	97	0.00	0.0	2.174	0.025	16	4	4	4
PL.15451	PL.15621	B	1/0 AL URD	7.29Y	121.5	0.00	3.47	0.00	0	0	0	100	0.00	0.0	2.205	0.031	0	0	0	0
PL.15698	PL.15229	C	#4 ACSR	7.30Y	121.6	0.00	3.41	17.29	13	122	33	97	0.00	0.0	1.991	0.005	0	0	0	54
PD.2417	PL.15698	C	65T	7.30Y	121.6	0.00	3.41	17.29	0	122	33	97	0.00	0.0	1.991	0.005	0	0	0	54
PL.15699	PD.2417	C	#4 ACSR	7.29Y	121.6	0.04	3.45	17.29	13	122	33	97	0.04	0.0	2.045	0.055	0	0	0	54
PL.15151	PL.15699	C	#4 ACSR	7.29Y	121.5	0.03	3.48	17.29	13	122	33	97	0.03	0.0	2.083	0.037	0	0	0	54
PL.15465	PL.15151	C	#4 ACSR	7.29Y	121.5	0.02	3.50	9.58	7	67	18	97	0.01	0.0	2.140	0.058	0	0	0	24
PL.15153	PL.15465	C	#4 ACSR	7.29Y	121.5	0.01	3.51	7.87	6	55	15	96	0.00	0.0	2.171	0.031	0	0	0	23
PL.15156	PL.15153	C	#2 ACSR	7.29Y	121.5	0.01	3.52	6.42	4	45	12	97	0.00	0.0	2.238	0.067	10	3	4	22
PL.15524	PL.15156	C	#2 ACSR	7.29Y	121.5	0.00	3.53	4.94	3	35	9	97	0.00	0.0	2.261	0.023	25	7	10	18
PL.15523	PL.15524	C	#2 ACSR	7.29Y	121.5	0.00	3.53	1.33	1	9	3	95	0.00	0.0	2.285	0.024	9	3	8	8
PL.15155	PL.15153	C	#4 ACSR	7.29Y	121.5	0.00	3.51	1.45	1	10	3	96	0.00	0.0	2.279	0.108	10	3	1	1
PL.15466	PL.15465	C	#4 ACSR	7.29Y	121.5	0.00	3.50	1.71	1	12	3	97	0.00	0.0	2.178	0.038	0	0	0	1
PL.15154	PL.15466	C	#4 ACSR	7.29Y	121.5	0.00	3.51	1.71	1	12	3	97	0.00	0.0	2.226	0.048	12	3	1	1
PL.15152	PL.15151	C	#2 ACSR	7.29Y	121.5	0.00	3.48	7.71	4	54	15	96	0.00	0.0	2.092	0.009	10	3	9	30
PL.15157	PL.15152	C	#2 ACSR	7.29Y	121.5	0.00	3.48	6.34	4	45	12	97	0.00	0.0	2.116	0.025	24	6	11	21
PL.15158	PL.15157	C	#2 ACSR	7.29Y	121.5	0.00	3.48	2.98	2	21	6	96	0.00	0.0	2.140	0.023	21	6	10	10
PL.15134	PL.15133	ABC	#2/0 ACSR	7.30Y	121.7	0.02	3.35	16.95	6	358	100	96	0.05	0.0	1.896	0.087	0	0	0	60
PL.15135	PL.15134	ABC	#2/0 ACSR	7.30Y	121.6	0.02	3.37	16.95	6	358	100	96	0.05	0.0	1.979	0.083	0	0	0	60
PL.15165	PL.15135	ABC	#2/0 ACSR	7.30Y	121.6	0.02	3.39	16.95	6	357	100	96	0.04	0.0	2.046	0.067	0	0	0	60
PL.15170	PL.15165	ABC	#2/0 ACSR	7.30Y	121.6	0.02	3.41	16.95	6	357	100	96	0.05	0.0	2.129	0.083	0	0	0	60
PL.15171	PL.15170	ABC	#2/0 ACSR	7.29Y	121.6	0.02	3.43	15.97	6	337	94	96	0.04	0.0	2.206	0.077	0	0	1	58
PL.15172	PL.15171	ABC	#2/0 ACSR	7.29Y	121.6	0.02	3.45	15.97	6	337	94	96	0.05	0.0	2.300	0.094	14	4	3	57
PL.15173	PL.15172	ABC	#2/0 ACSR	7.29Y	121.6	0.00	3.45	2.16	1	45	15	95	0.00	0.0	2.345	0.045	23	9	2	6
PL.15338	PL.15173	ABC	#2/0 ACSR	7.29Y	121.5	0.00	3.45	1.03	0	22	6	96	0.00	0.0	2.387	0.042	11	3	2	4
PL.15525	PL.15338	B	#2 ACSR	7.29Y	121.5	0.00	3.45	1.47	1	10	3	96	0.00	0.0	2.446	0.058	10	3	2	2
PL.15526	PL.15525	B	#2 ACSR	7.29Y	121.5	0.00	3.45	0.00	0	0	0	100	0.00	0.0	2.503	0.057	0	0	0	0
PL.15245	PL.15172	A	6 A (CWC)	7.29Y	121.5	0.00	3.45	39.49	28	278	75	97	0.01	0.0	2.302	0.003	0	0	0	48

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

Balanced Voltage Drop Report
Source: Booneville

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.2435	PL.15245	A	70L	7.29Y	121.5	0.00	3.45	39.49	56	278	75	97	0.00	0.0	2.302	0.003	0	0	0	48
PL.15246	PD.2435	A	6 A (CWC)	7.29Y	121.5	0.06	3.52	39.49	28	278	75	97	0.13	0.0	2.338	0.035	17	5	1	48
PL.15174	PL.15246	A	6 A (CWC)	7.28Y	121.3	0.22	3.74	36.54	26	257	70	96	0.43	0.2	2.470	0.132	0	0	0	46
PL.15527	PL.15174	A	6 A (CWC)	7.27Y	121.2	0.07	3.80	36.54	26	257	70	96	0.13	0.0	2.510	0.040	8	2	2	46
PL.15528	PL.15527	A	6 A (CWC)	7.26Y	121.1	0.13	3.93	35.47	25	249	67	97	0.24	0.1	2.594	0.085	20	5	4	44
PL.15176	PL.15528	A	6 A (CWC)	7.26Y	121.0	0.09	4.02	32.58	23	228	62	96	0.15	0.1	2.652	0.057	0	0	0	40
PL.15467	PL.15176	A	6 A (CWC)	7.25Y	120.9	0.12	4.14	32.58	23	228	62	96	0.20	0.1	2.732	0.081	10	3	1	39
PL.15180	PL.15467	A	6 A (CWC)	7.25Y	120.9	0.01	4.14	1.73	1	12	3	97	0.00	0.0	2.897	0.165	12	3	1	1
PL.15179	PL.15467	A	6 A (CWC)	7.25Y	120.8	0.07	4.21	29.38	21	206	56	96	0.12	0.1	2.788	0.056	0	0	0	37
PL.15181	PL.15179	A	6 A (CWC)	7.24Y	120.7	0.13	4.34	29.38	21	206	56	96	0.20	0.1	2.888	0.100	10	3	2	37
PL.15182	PL.15181	A	6 A (CWC)	7.24Y	120.6	0.04	4.38	27.89	20	195	53	96	0.06	0.0	2.921	0.034	0	0	0	35
PL.15183	PL.15182	A	6 A (CWC)	7.23Y	120.5	0.12	4.50	27.89	20	195	53	96	0.17	0.1	3.013	0.092	0	0	1	35
PL.15184	PL.15183	A	6 A (CWC)	7.22Y	120.4	0.15	4.65	27.89	20	195	52	97	0.21	0.1	3.130	0.117	9	2	3	34
PL.15567	PL.15184	A	6 A (CWC)	7.22Y	120.3	0.08	4.72	21.57	15	150	40	97	0.09	0.1	3.209	0.080	8	2	2	24
PL.15568	PL.15567	A	6 A (CWC)	7.21Y	120.2	0.06	4.78	20.47	15	143	38	97	0.06	0.0	3.277	0.067	15	4	2	22
PL.15186	PL.15568	A	6 A (CWC)	7.21Y	120.1	0.09	4.87	18.29	13	127	34	97	0.09	0.1	3.391	0.115	9	2	1	20
PL.15235	PL.15186	A	#2 ACSR	7.21Y	120.1	0.01	4.88	2.38	1	17	4	97	0.00	0.0	3.463	0.072	0	0	0	2
PL.15236	PL.15235	A	#2 ACSR	7.21Y	120.1	0.00	4.88	1.72	1	12	3	97	0.00	0.0	3.482	0.019	12	3	1	1
PL.15187	PL.15235	A	#1/0 ACSR	7.21Y	120.1	0.00	4.88	0.66	0	5	1	98	0.00	0.0	3.504	0.041	5	1	1	1
PL.15189	PL.15186	A	6 A (CWC)	7.20Y	120.1	0.07	4.95	13.62	10	95	25	97	0.05	0.1	3.509	0.118	0	0	0	16
PL.15190	PL.15189	A	#1/0 ACSR	7.20Y	120.1	0.00	4.95	1.73	1	12	3	97	0.00	0.0	3.557	0.048	12	3	1	1
PL.15191	PL.15189	A	6 A (CWC)	7.20Y	120.0	0.04	4.99	11.89	8	83	22	97	0.03	0.0	3.587	0.078	0	0	0	15
PL.15193	PL.15191	A	6 A (CWC)	7.20Y	120.0	0.04	5.03	9.15	7	64	17	97	0.02	0.0	3.682	0.094	0	0	0	10
PL.15194	PL.15193	A	6 A (CWC)	7.20Y	119.9	0.05	5.08	9.15	7	64	17	97	0.02	0.0	3.794	0.112	0	0	0	10
PL.15573	PL.15194	A	6 A (CWC)	7.19Y	119.9	0.01	5.09	8.35	6	58	16	96	0.01	0.0	3.831	0.038	5	1	1	9
PL.15574	PL.15573	A	6 A (CWC)	7.19Y	119.9	0.01	5.10	7.63	5	53	14	97	0.00	0.0	3.858	0.026	0	0	0	8
PL.15507	PL.15574	A	#2 ACSR	7.19Y	119.9	0.01	5.11	5.14	3	36	10	96	0.00	0.0	3.900	0.042	6	2	1	3
PL.15332	PL.15507	A	#1/0 ACSR	7.19Y	119.9	0.00	5.11	2.72	1	19	5	97	0.00	0.0	3.997	0.098	19	5	1	1
PL.15508	PL.15507	A	#2 ACSR	7.19Y	119.9	0.00	5.11	1.60	1	11	3	96	0.00	0.0	3.974	0.075	11	3	1	1
PL.15331	PL.15574	A	6 A (CWC)	7.19Y	119.9	0.01	5.10	1.14	1	8	2	97	0.00	0.0	3.956	0.099	0	0	0	2
PL.15337	PL.15331	A	#2 ACSR	7.19Y	119.9	0.00	5.11	1.14	1	8	2	97	0.00	0.0	4.053	0.097	8	2	2	2

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Balanced Voltage Drop Report
Source: Booneville

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.15196	PL.15574	A	6 A (CWC)	7.19Y	119.9	0.00	5.10	1.35	1	9	3	95	0.00	0.0	3.939	0.081	9	3	1	3
PL.15576	PL.15196	A	6 A (CWC)	7.19Y	119.9	0.00	5.10	0.00	0	0	0	100	0.00	0.0	4.030	0.091	0	0	0	2
PL.15577	PL.15576	A	6 A (CWC)	7.19Y	119.9	0.00	5.10	0.00	0	0	0	100	0.00	0.0	4.126	0.096	0	0	0	2
PL.15575	PL.15577	A	6 A (CWC)	7.19Y	119.9	0.00	5.10	0.00	0	0	0	100	0.00	0.0	4.190	0.064	0	0	0	2
PL.15333	PL.15575	A	6 A (CWC)	7.19Y	119.9	0.00	5.10	0.00	0	0	0	100	0.00	0.0	4.263	0.073	0	0	0	2
PL.15334	PL.15333	A	6 A (CWC)	7.19Y	119.9	0.00	5.10	0.00	0	0	0	100	0.00	0.0	4.390	0.127	0	0	0	2
PL.15335	PL.15334	A	6 A (CWC)	7.19Y	119.9	0.00	5.10	0.00	0	0	0	100	0.00	0.0	4.454	0.064	0	0	0	2
PL.15336	PL.15335	A	6 A (CWC)	7.19Y	119.9	0.00	5.10	0.00	0	0	0	100	0.00	0.0	4.542	0.087	0	0	0	2
PL.15340	PL.15336	A	#1/0 ACSR	7.19Y	119.9	0.00	5.10	0.00	0	0	0	100	0.00	0.0	4.624	0.083	0	0	0	2
PL.15585	PL.15340	A	#1/0 ACSR	7.19Y	119.9	0.00	5.10	0.00	0	0	0	100	0.00	0.0	4.686	0.062	0	0	1	2
PL.15584	PL.15585	A	#1/0 ACSR	7.19Y	119.9	0.00	5.10	0.00	0	0	0	100	0.00	0.0	4.733	0.047	0	0	0	1
PL.15339	PL.15584	A	#1/0 ACSR	7.19Y	119.9	0.00	5.10	0.00	0	0	0	100	0.00	0.0	4.820	0.087	0	0	1	1
PL.15195	PL.15194	A	#2 ACSR	7.20Y	119.9	0.00	5.08	0.81	0	6	2	95	0.00	0.0	3.850	0.056	6	2	1	1
PL.15192	PL.15191	A	#2 ACSR	7.20Y	120.0	0.00	4.99	2.73	2	19	5	97	0.00	0.0	3.666	0.078	19	5	5	5
PL.15188	PL.15186	A	6 A (CWC)	7.21Y	120.1	0.00	4.88	1.06	1	7	2	96	0.00	0.0	3.476	0.085	7	2	1	1
PL.15185	PL.15184	A	6 A (CWC)	7.22Y	120.3	0.01	4.66	5.06	4	35	9	97	0.00	0.0	3.188	0.058	8	2	2	7
PL.15341	PL.15185	A	#1/0 ACSR	7.22Y	120.3	0.00	4.66	1.78	1	12	3	97	0.00	0.0	3.234	0.046	12	3	1	1
PL.15342	PL.15185	A	6 A (CWC)	7.22Y	120.3	0.01	4.67	2.07	1	14	4	96	0.00	0.0	3.283	0.095	0	0	1	4
PL.15343	PL.15342	A	#2 ACSR	7.22Y	120.3	0.00	4.67	0.63	0	4	1	97	0.00	0.0	3.357	0.074	0	0	0	2
PL.15569	PL.15343	A	#2 ACSR	7.22Y	120.3	0.00	4.67	0.63	0	4	1	97	0.00	0.0	3.390	0.032	0	0	0	2
PL.15570	PL.15569	A	#2 ACSR	7.22Y	120.3	0.00	4.67	0.63	0	4	1	97	0.00	0.0	3.551	0.161	4	1	2	2
PL.15345	PL.15343	A	#1/0 ACSR	7.22Y	120.3	0.00	4.67	0.00	0	0	0	100	0.00	0.0	3.441	0.083	0	0	0	0
PL.15344	PL.15342	A	#1/0 ACSR	7.22Y	120.3	0.00	4.67	1.44	1	10	3	96	0.00	0.0	3.366	0.083	10	3	1	1
PL.15177	PL.15176	A	#2 ACSR	7.26Y	121.0	0.00	4.02	0.00	0	0	0	100	0.00	0.0	2.662	0.011	0	0	0	1
PL.15178	PL.15177	A	#2 ACSR	7.26Y	121.0	0.00	4.02	0.00	0	0	0	100	0.00	0.0	2.720	0.058	0	0	1	1
PL.15175	PL.15246	A	#2 ACSR	7.29Y	121.5	0.00	3.52	0.49	0	3	1	95	0.00	0.0	2.383	0.045	3	1	1	1
PL.15706	PL.15170	A	#4 ACSR	7.30Y	121.6	0.00	3.41	2.95	2	21	6	96	0.00	0.0	2.134	0.005	0	0	0	2
PD.2423	PL.15706	A	65T	7.30Y	121.6	0.00	3.41	2.95	0	21	6	96	0.00	0.0	2.134	0.005	0	0	0	2
PL.15707	PD.2423	A	#4 ACSR	7.30Y	121.6	0.00	3.41	2.95	2	21	6	96	0.00	0.0	2.166	0.032	21	6	2	2
PL.15634	PL.15130	C	#1/0 ACSR	7.31Y	121.8	0.00	3.23	2.15	1	15	4	97	0.00	0.0	1.693	0.005	0	0	0	2
PD.2384	PL.15634	C	65T	7.31Y	121.8	0.00	3.23	2.15	0	15	4	97	0.00	0.0	1.693	0.005	0	0	0	2

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Balanced Voltage Drop Report
Source: Booneville

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.15635	PD.2384	C	#1/0 ACSR	7.31Y	121.8	0.00	3.23	2.15	1	15	4	97	0.00	0.0	1.703	0.010	15	4	2	2
PL.15648	PL.15128	B	#1/0 ACSR	7.31Y	121.9	0.00	3.12	5.11	2	36	10	96	0.00	0.0	1.590	0.004	0	0	0	2
PD.2391	PL.15648	B	65T	7.31Y	121.9	0.00	3.12	5.11	0	36	10	96	0.00	0.0	1.590	0.004	0	0	0	2
PL.15649	PD.2391	B	#1/0 ACSR	7.31Y	121.9	0.00	3.12	5.11	2	36	10	96	0.00	0.0	1.600	0.010	36	10	2	2
PL.15716	PL.15207	ABC	#1/0 ACSR	7.33Y	122.1	0.00	2.88	5.48	2	111	47	92	0.00	0.0	1.403	0.005	0	0	0	6
PD.2430	PL.15716	ABC	65T	7.33Y	122.1	0.00	2.88	5.48	0	111	47	92	0.00	0.0	1.403	0.005	0	0	0	6
PL.15717	PD.2430	ABC	#1/0 ACSR	7.33Y	122.1	0.01	2.89	5.48	2	111	47	92	0.01	0.0	1.505	0.103	0	0	1	6
PL.15549	PL.15717	ABC	#1/0 ACSR	7.33Y	122.1	0.00	2.90	5.48	2	111	47	92	0.00	0.0	1.547	0.041	17	5	3	5
PL.15550	PL.15549	ABC	#1/0 ACSR	7.33Y	122.1	0.00	2.90	4.67	2	94	42	91	0.00	0.0	1.577	0.031	0	0	0	2
PL.15552	PL.15550	ABC	#1/0 ACSR	7.33Y	122.1	0.01	2.91	4.67	2	94	42	91	0.00	0.0	1.658	0.080	16	4	1	2
PL.15553	PL.15552	ABC	#1/0 ACSR	7.33Y	122.1	0.00	2.91	3.94	2	78	38	90	0.00	0.0	1.701	0.043	78	38	1	1
PL.15114	PL.15113	ABC	#1/0 ACSR	7.35Y	122.5	0.01	2.54	4.89	2	100	41	93	0.00	0.0	1.274	0.079	11	3	1	6
PL.15612	PL.15114	ABC	#1/0 ACSR	7.35Y	122.5	0.01	2.54	4.38	2	89	38	92	0.00	0.0	1.357	0.083	23	11	1	5
PL.15613	PL.15612	ABC	#1/0 ACSR	7.35Y	122.5	0.00	2.55	3.20	1	65	26	93	0.00	0.0	1.376	0.019	1	0	1	4
PL.15118	PL.15613	ABC	#1/0 ACSR	7.35Y	122.5	0.00	2.55	3.14	1	64	26	93	0.00	0.0	1.452	0.075	64	26	3	3
PL.15714	PL.15112	ABC	#1/0 ACSR	7.35Y	122.5	0.00	2.49	18.33	8	388	114	96	0.00	0.0	1.173	0.005	0	0	0	56
PD.2429	PL.15714	ABC	65T	7.35Y	122.5	0.00	2.49	18.33	0	388	114	96	0.00	0.0	1.173	0.005	0	0	0	56
PL.15715	PD.2429	ABC	#1/0 ACSR	7.35Y	122.5	0.02	2.50	18.33	8	388	114	96	0.05	0.0	1.227	0.054	7	2	1	56
PL.15566	PL.15715	ABC	#1/0 ACSR	7.35Y	122.5	0.01	2.52	18.01	8	381	112	96	0.04	0.0	1.269	0.042	6	2	2	55
PL.15540	PL.15566	ABC	#1/0 ACSR	7.35Y	122.5	0.00	2.52	17.73	8	375	110	96	0.01	0.0	1.275	0.007	0	0	0	53
PL.15642	PL.15540	C	#1/0 ACSR	7.35Y	122.5	0.00	2.52	1.86	1	13	4	96	0.00	0.0	1.280	0.005	0	0	0	2
PD.2388	PL.15642	C	65T	7.35Y	122.5	0.00	2.52	1.86	0	13	4	96	0.00	0.0	1.280	0.005	0	0	0	2
PL.15643	PD.2388	C	#1/0 ACSR	7.35Y	122.5	0.00	2.52	1.86	1	13	4	96	0.00	0.0	1.287	0.006	13	4	2	2
PL.15463	PL.15540	ABC	#1/0 ACSR	7.35Y	122.5	0.01	2.53	17.11	7	362	107	96	0.02	0.0	1.304	0.028	91	34	6	51
PL.15214	PL.15463	C	#1/0 ACSR	7.35Y	122.5	0.02	2.55	38.20	17	271	73	97	0.04	0.0	1.332	0.029	45	12	7	45
PL.15537	PL.15214	C	#1/0 ACSR	7.35Y	122.4	0.02	2.57	27.49	12	195	52	97	0.03	0.0	1.368	0.036	13	3	1	35
PL.15538	PL.15537	C	#1/0 ACSR	7.34Y	122.4	0.02	2.59	25.70	11	182	49	97	0.02	0.0	1.403	0.035	32	9	9	34
PL.15694	PL.15538	C	6 A (CWC)	7.34Y	122.4	0.00	2.59	4.49	3	32	9	96	0.00	0.0	1.408	0.005	0	0	0	8
PD.2415	PL.15694	C	65T	7.34Y	122.4	0.00	2.59	4.49	0	32	9	96	0.00	0.0	1.408	0.005	0	0	0	8
PL.15695	PD.2415	C	6 A (CWC)	7.34Y	122.4	0.00	2.60	4.49	3	32	9	96	0.00	0.0	1.444	0.036	24	6	6	8
PL.15117	PL.15695	C	6 A (CWC)	7.34Y	122.4	0.00	2.60	1.14	1	8	2	97	0.00	0.0	1.473	0.029	8	2	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: Booneville

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.15534	PL.15538	C	#1/0 ACSR	7.34Y	122.4	0.01	2.60	16.67	7	118	32	97	0.01	0.0	1.436	0.032	24	6	3	17
PL.15535	PL.15534	C	#1/0 ACSR	7.34Y	122.4	0.01	2.61	13.34	6	95	25	97	0.01	0.0	1.476	0.040	3	1	2	14
PL.15533	PL.15535	C	#1/0 ACSR	7.34Y	122.4	0.01	2.62	12.94	6	92	25	97	0.00	0.0	1.504	0.028	5	1	1	12
PL.15636	PL.15533	C	#1/0 ACSR	7.34Y	122.4	0.00	2.62	11.83	5	84	23	96	0.00	0.0	1.509	0.005	0	0	0	9
PD.2385	PL.15636	C	65T	7.34Y	122.4	0.00	2.62	11.83	0	84	23	96	0.00	0.0	1.509	0.005	0	0	0	9
PL.15637	PD.2385	C	#1/0 ACSR	7.34Y	122.4	0.01	2.63	11.83	5	84	23	96	0.00	0.0	1.537	0.028	21	6	4	9
PL.15529	PL.15637	C	#4 ACSR	7.34Y	122.4	0.00	2.63	0.00	0	0	0	100	0.00	0.0	1.595	0.057	0	0	1	4
PL.15530	PL.15529	C	#4 ACSR	7.34Y	122.4	0.00	2.63	0.00	0	0	0	100	0.00	0.0	1.639	0.044	0	0	3	3
PL.15209	PL.15637	C	#1/0 ACSR	7.34Y	122.4	0.00	2.63	8.84	4	63	17	97	0.00	0.0	1.551	0.014	0	0	0	1
PL.15116	PL.15209	C	#1/0 ACSR	7.34Y	122.4	0.00	2.64	8.84	4	63	17	97	0.00	0.0	1.589	0.038	63	17	1	1
PL.15531	PL.15533	C	#1/0 ACSR	7.34Y	122.4	0.00	2.62	0.34	0	2	1	89	0.00	0.0	1.532	0.028	2	1	2	2
PL.15532	PL.15531	C	#1/0 ACSR	7.34Y	122.4	0.00	2.62	0.00	0	0	0	100	0.00	0.0	1.574	0.042	0	0	0	0
PL.15115	PL.15214	C	#1/0 ACSR	7.35Y	122.4	0.00	2.55	4.37	2	31	8	97	0.00	0.0	1.350	0.018	31	8	3	3
PL.15122	PL.15111	ABC	336 MCM AC	7.36Y	122.6	0.05	2.41	42.93	8	914	250	96	0.23	0.0	1.250	0.146	0	0	0	169
PL.15496	PL.15122	ABC	336 MCM AC	7.35Y	122.5	0.04	2.46	42.93	8	914	249	96	0.22	0.0	1.391	0.141	0	0	0	169
PL.15497	PL.15496	ABC	336 MCM AC	7.35Y	122.5	0.04	2.50	42.93	8	914	249	96	0.19	0.0	1.513	0.121	0	0	0	169
PL.15492	PL.15497	ABC	336 MCM AC	7.35Y	122.5	0.03	2.53	42.00	8	894	243	96	0.16	0.0	1.621	0.109	0	0	0	162
PL.15249	PL.15492	ABC	336 MCM AC	7.35Y	122.4	0.04	2.57	42.00	8	894	243	96	0.19	0.0	1.749	0.127	0	0	0	162
PL.15250	PL.15249	ABC	336 MCM AC	7.35Y	122.4	0.00	2.57	42.00	8	893	242	97	0.00	0.0	1.751	0.002	0	0	0	162
PL.15468	PL.15250	ABC	336 MCM AC	7.34Y	122.4	0.04	2.61	31.76	6	675	184	96	0.14	0.0	1.911	0.160	0	0	0	121
PL.15205	PL.15468	ABC	336 MCM AC	7.34Y	122.4	0.03	2.64	31.76	6	675	183	97	0.10	0.0	2.025	0.114	0	0	0	121
PL.15206	PL.15205	ABC	336 MCM AC	7.34Y	122.4	0.01	2.65	31.76	6	675	183	97	0.05	0.0	2.082	0.056	0	0	0	121
PL.15473	PL.15206	ABC	336 MCM AC	7.34Y	122.3	0.01	2.66	31.76	6	675	183	97	0.05	0.0	2.138	0.057	0	0	0	121
PL.15233	PL.15473	ABC	336 MCM AC	7.34Y	122.3	0.02	2.68	31.29	6	665	180	97	0.07	0.0	2.221	0.082	4	1	1	120
PL.15234	PL.15233	ABC	336 MCM AC	7.34Y	122.3	0.02	2.70	30.53	6	649	176	97	0.05	0.0	2.288	0.067	0	0	0	117
PL.15474	PL.15234	ABC	336 MCM AC	7.34Y	122.3	0.00	2.70	0.00	0	0	0	100	0.00	0.0	2.317	0.029	0	0	0	0
PL.12507	PL.15474	ABC	336 MCM AC	7.34Y	122.3	0.00	2.70	0.00	0	0	0	100	0.00	0.0	2.322	0.005	0	0	0	0
PD.2137-B	PL.12507	ABC	Open	7.34Y	122.3	0.00	2.70	0.00	0	0	0	100	0.00	0.0	2.322	0.005	0	0	0	0
PL.15580	PL.15234	A	#1/0 ACSR	7.34Y	122.3	0.00	2.70	3.53	2	25	7	96	0.00	0.0	2.308	0.020	7	2	1	4
PL.15660	PL.15580	A	#1/0 ACSR	7.34Y	122.3	0.00	2.70	2.53	1	18	5	96	0.00	0.0	2.312	0.005	0	0	0	3
PD.2398	PL.15660	A	65T	7.34Y	122.3	0.00	2.70	2.53	0	18	5	96	0.00	0.0	2.312	0.005	0	0	0	3

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Balanced Voltage Drop Report
Source: Booneville

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.15661	PD.2398	A	#1/0 ACSR	7.34Y	122.3	0.00	2.70	2.53	1	18	5	96	0.00	0.0	2.336	0.024	5	1	1	3
PL.15581	PL.15661	A	#1/0 ACSR	7.34Y	122.3	0.00	2.70	1.78	1	13	3	97	0.00	0.0	2.352	0.015	13	3	2	2
PL.15124	PL.15234	ABC	#1/0 ACSR	7.34Y	122.3	0.01	2.71	29.35	13	624	169	97	0.05	0.0	2.311	0.023	7	2	1	113
PL.15582	PL.15124	ABC	#1/0 ACSR	7.34Y	122.3	0.02	2.73	29.00	13	616	167	97	0.09	0.0	2.353	0.042	9	2	1	112
PL.15583	PL.15582	ABC	#1/0 ACSR	7.33Y	122.2	0.03	2.76	28.56	12	607	164	97	0.12	0.0	2.407	0.054	0	0	0	111
PL.15702	PL.15583	C	#2 ACSR	7.33Y	122.2	0.00	2.76	3.11	2	22	6	96	0.00	0.0	2.412	0.005	0	0	0	2
PD.2420	PL.15702	C	65T	7.33Y	122.2	0.00	2.76	3.11	0	22	6	96	0.00	0.0	2.412	0.005	0	0	0	2
PL.15703	PD.2420	C	#2 ACSR	7.33Y	122.2	0.00	2.76	3.11	2	22	6	96	0.00	0.0	2.419	0.007	10	3	1	2
PL.15385	PL.15703	C	#2 ACSR	7.33Y	122.2	0.00	2.76	1.72	1	12	3	97	0.00	0.0	2.473	0.054	0	0	0	1
PL.15391	PL.15385	C	#2 ACSR	7.33Y	122.2	0.00	2.76	1.72	1	12	3	97	0.00	0.0	2.489	0.016	12	3	1	1
PL.15386	PL.15583	ABC	#1/0 ACSR	7.33Y	122.2	0.02	2.78	27.53	12	585	158	97	0.10	0.0	2.456	0.049	15	4	2	109
PL.15387	PL.15386	ABC	#1/0 ACSR	7.33Y	122.2	0.03	2.82	26.82	12	569	154	97	0.14	0.0	2.528	0.072	15	4	4	107
PL.15388	PL.15387	ABC	#1/0 ACSR	7.33Y	122.1	0.04	2.85	25.85	11	549	148	97	0.14	0.0	2.608	0.079	0	0	0	102
PL.15392	PL.15388	ABC	#1/0 ACSR	7.33Y	122.1	0.02	2.87	25.85	11	549	148	97	0.08	0.0	2.650	0.043	7	2	1	102
PL.15666	PL.15392	C	#1/0 ACSR	7.33Y	122.1	0.00	2.87	9.96	4	70	19	97	0.00	0.0	2.655	0.005	0	0	0	14
PD.2401	PL.15666	C	65T	7.33Y	122.1	0.00	2.87	9.96	0	70	19	97	0.00	0.0	2.655	0.005	0	0	0	14
PL.15667	PD.2401	C	#1/0 ACSR	7.33Y	122.1	0.00	2.88	9.96	4	70	19	97	0.00	0.0	2.675	0.020	0	0	0	14
PL.15586	PL.15667	C	6 A (CWC)	7.33Y	122.1	0.00	2.88	1.18	1	8	2	97	0.00	0.0	2.706	0.031	8	2	1	2
PL.15587	PL.15586	C	6 A (CWC)	7.33Y	122.1	0.00	2.88	0.03	0	0	0	100	0.00	0.0	2.767	0.061	0	0	1	1
PL.15475	PL.15667	C	#1/0 ACSR	7.33Y	122.1	0.01	2.89	6.57	3	47	12	97	0.00	0.0	2.741	0.066	0	0	0	9
PL.15396	PL.15475	C	6 A (CWC)	7.33Y	122.1	0.02	2.91	6.57	5	46	12	97	0.01	0.0	2.813	0.072	4	1	2	8
PL.15397	PL.15396	C	6 A (CWC)	7.33Y	122.1	0.00	2.91	2.64	2	19	5	97	0.00	0.0	2.830	0.017	12	3	1	3
PL.15404	PL.15397	C	6 A (CWC)	7.33Y	122.1	0.00	2.91	0.97	1	7	2	96	0.00	0.0	2.874	0.044	7	2	2	2
PL.15588	PL.15396	C	#1/0 ACSR	7.33Y	122.1	0.00	2.91	3.29	1	23	6	97	0.00	0.0	2.832	0.019	10	3	1	3
PL.15589	PL.15588	C	#1/0 ACSR	7.33Y	122.1	0.00	2.91	1.94	1	14	4	96	0.00	0.0	2.864	0.032	0	0	0	2
PL.15398	PL.15589	C	#1/0 ACSR	7.33Y	122.1	0.00	2.91	0.03	0	0	0	100	0.00	0.0	2.930	0.066	0	0	1	1
PL.15399	PL.15589	C	#1/0 ACSR	7.33Y	122.1	0.00	2.91	1.91	1	14	4	96	0.00	0.0	2.939	0.075	14	4	1	1
PL.15395	PL.15475	C	#1/0 ACSR	7.33Y	122.1	0.00	2.89	0.01	0	0	0	100	0.00	0.0	2.775	0.034	0	0	1	1
PL.15393	PL.15667	C	#1/0 ACSR	7.33Y	122.1	0.00	2.88	2.21	1	16	4	97	0.00	0.0	2.720	0.045	16	4	3	3
PL.15253	PL.15392	ABC	#1/0 ACSR	7.33Y	122.1	0.01	2.88	22.20	10	471	127	97	0.04	0.0	2.680	0.030	0	0	0	87
PD.2438	PL.15253	ABC	35L	7.33Y	122.1	0.00	2.88	22.20	63	471	127	97	0.00	0.0	2.680	0.030	0	0	0	87

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Balanced Voltage Drop Report
Source: Booneville

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.15254	PD.2438	ABC	#1/0 ACSR	7.33Y	122.1	0.01	2.90	22.20	10	471	127	97	0.04	0.0	2.710	0.030	0	0	0	87
PL.15394	PL.15254	ABC	#1/0 ACSR	7.32Y	122.1	0.02	2.92	22.20	10	471	127	97	0.07	0.0	2.766	0.056	11	3	1	87
PL.15400	PL.15394	ABC	#1/0 ACSR	7.32Y	122.1	0.01	2.92	21.69	9	460	124	97	0.02	0.0	2.782	0.016	0	0	0	86
PL.15402	PL.15400	A	#1/0 ACSR	7.32Y	122.1	0.00	2.92	3.67	2	26	7	97	0.00	0.0	2.787	0.005	0	0	0	4
PD.2424	PL.15402	A	15T	7.32Y	122.1	0.00	2.92	3.67	0	26	7	97	0.00	0.0	2.787	0.005	0	0	0	4
PL.15477	PD.2424	A	#1/0 ACSR	7.32Y	122.1	0.00	2.93	2.57	1	18	5	96	0.00	0.0	2.801	0.014	8	2	1	2
PL.15403	PL.15477	A	#1/0 ACSR	7.32Y	122.1	0.00	2.93	1.49	1	11	3	96	0.00	0.0	2.897	0.097	11	3	1	1
PL.15237	PD.2424	A	#1/0 ACSR	7.32Y	122.1	0.00	2.92	1.10	0	8	2	97	0.00	0.0	2.793	0.006	0	0	0	2
PL.15238	PL.15237	A	#1/0 ACSR	7.32Y	122.1	0.00	2.92	1.10	0	8	2	97	0.00	0.0	2.793	0.000	0	0	0	2
PL.15401	PL.15238	A	#1/0 ACSR	7.32Y	122.1	0.00	2.93	1.10	0	8	2	97	0.00	0.0	2.807	0.014	8	2	2	2
PL.15476	PL.15400	ABC	#1/0 ACSR	7.32Y	122.0	0.03	2.95	20.47	9	434	117	97	0.09	0.0	2.863	0.080	3	1	1	82
PL.15405	PL.15476	ABC	#1/0 ACSR	7.32Y	122.0	0.03	2.98	20.32	9	431	116	97	0.09	0.0	2.942	0.079	0	0	0	81
PL.15668	PL.15405	C	#1/0 ACSR	7.32Y	122.0	0.00	2.98	0.79	0	6	2	95	0.00	0.0	2.946	0.005	0	0	0	2
PD.2402	PL.15668	C	15T	7.32Y	122.0	0.00	2.98	0.79	0	6	2	95	0.00	0.0	2.946	0.005	0	0	0	2
PL.15669	PD.2402	C	#1/0 ACSR	7.32Y	122.0	0.00	2.98	0.79	0	6	2	95	0.00	0.0	2.968	0.022	6	2	2	2
PL.15406	PL.15405	ABC	#1/0 ACSR	7.32Y	122.0	0.02	3.00	20.06	9	425	115	97	0.05	0.0	2.987	0.046	4	1	2	79
PL.15407	PL.15406	ABC	#1/0 ACSR	7.32Y	122.0	0.02	3.02	19.86	9	421	114	97	0.05	0.0	3.039	0.052	0	0	0	77
PL.15708	PL.15407	C	#1/0 ACSR	7.32Y	122.0	0.00	3.02	1.75	1	12	3	97	0.00	0.0	3.044	0.005	0	0	0	1
PD.2425	PL.15708	C	15T	7.32Y	122.0	0.00	3.02	1.75	0	12	3	97	0.00	0.0	3.044	0.005	0	0	0	1
PL.15709	PD.2425	C	#1/0 ACSR	7.32Y	122.0	0.00	3.02	1.75	1	12	3	97	0.00	0.0	3.063	0.019	12	3	1	1
PL.15501	PL.15407	ABC	#1/0 ACSR	7.32Y	122.0	0.02	3.04	19.27	8	409	110	97	0.05	0.0	3.091	0.052	6	2	1	76
PL.15408	PL.15501	A	#1/0 ACSR	7.32Y	122.0	0.00	3.04	2.82	1	20	5	97	0.00	0.0	3.096	0.005	0	0	0	2
PD.2421	PL.15408	A	15T	7.32Y	122.0	0.00	3.04	2.82	0	20	5	97	0.00	0.0	3.096	0.005	0	0	0	2
PL.15502	PD.2421	A	#1/0 ACSR	7.32Y	122.0	0.00	3.04	1.81	1	13	3	97	0.00	0.0	3.100	0.004	0	0	0	1
PL.15503	PL.15502	A	#1/0 ACSR	7.32Y	122.0	0.00	3.04	1.81	1	13	3	97	0.00	0.0	3.100	0.000	0	0	0	1
PL.15453	PL.15503	A	#1/0 ACSR	7.32Y	122.0	0.00	3.04	1.81	1	13	3	97	0.00	0.0	3.103	0.003	0	0	0	1
PL.15454	PL.15453	A	#1/0 ACSR	7.32Y	122.0	0.00	3.04	1.81	1	13	3	97	0.00	0.0	3.103	0.001	0	0	0	1
PL.15455	PL.15454	A	#1/0 ACSR	7.32Y	122.0	0.00	3.04	1.81	1	13	3	97	0.00	0.0	3.134	0.030	13	3	1	1
PL.15478	PD.2421	A	#1/0 ACSR	7.32Y	122.0	0.00	3.04	1.02	0	7	2	96	0.00	0.0	3.126	0.030	0	0	0	1
PL.15409	PL.15478	A	#1/0 ACSR	7.32Y	122.0	0.00	3.04	1.02	0	7	2	96	0.00	0.0	3.169	0.042	7	2	1	1
PL.15504	PL.15501	ABC	#1/0 ACSR	7.32Y	122.0	0.00	3.04	18.07	8	383	103	97	0.00	0.0	3.096	0.005	0	0	0	73

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: Booneville

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.15505	PL.15504	ABC	#1/0 ACSR	7.32Y	121.9	0.04	3.08	18.07	8	383	103	97	0.12	0.0	3.232	0.136	7	2	2	73
PL.15672	PL.15505	A	6 A (CWC)	7.32Y	121.9	0.00	3.08	1.49	1	11	3	96	0.00	0.0	3.236	0.005	0	0	0	1
PD.2404	PL.15672	A	15T	7.32Y	121.9	0.00	3.08	1.49	0	11	3	96	0.00	0.0	3.236	0.005	0	0	0	1
PL.15673	PD.2404	A	6 A (CWC)	7.31Y	121.9	0.00	3.09	1.49	1	11	3	96	0.00	0.0	3.359	0.122	11	3	1	1
PL.15410	PL.15505	ABC	#1/0 ACSR	7.31Y	121.9	0.03	3.11	17.25	8	366	99	97	0.06	0.0	3.313	0.081	0	0	0	70
PL.15479	PL.15410	ABC	#1/0 ACSR	7.31Y	121.9	0.01	3.11	16.44	7	348	94	97	0.02	0.0	3.341	0.028	0	0	0	69
PL.15411	PL.15479	ABC	#1/0 ACSR	7.31Y	121.9	0.01	3.13	16.44	7	348	94	97	0.03	0.0	3.389	0.048	0	0	0	69
PL.15480	PL.15411	ABC	#1/0 ACSR	7.31Y	121.8	0.04	3.16	16.44	7	348	94	97	0.09	0.0	3.511	0.123	0	0	0	69
PL.15412	PL.15480	ABC	#1/0 ACSR	7.31Y	121.8	0.01	3.18	16.44	7	348	94	97	0.03	0.0	3.557	0.045	0	0	0	69
PL.15676	PL.15412	C	6 A (CWC)	7.31Y	121.8	0.00	3.18	4.35	3	31	8	97	0.00	0.0	3.561	0.005	0	0	0	7
PD.2406	PL.15676	C	15T	7.31Y	121.8	0.00	3.18	4.35	0	31	8	97	0.00	0.0	3.561	0.005	0	0	0	7
PL.15677	PD.2406	C	6 A (CWC)	7.31Y	121.8	0.01	3.19	4.35	3	31	8	97	0.00	0.0	3.601	0.039	0	0	0	7
PL.15414	PL.15677	C	6 A (CWC)	7.31Y	121.8	0.03	3.22	4.35	3	31	8	97	0.01	0.0	3.754	0.153	0	0	0	7
PL.15590	PL.15414	C	6 A (CWC)	7.31Y	121.8	0.01	3.23	4.35	3	31	8	97	0.00	0.0	3.829	0.075	1	0	1	7
PL.15591	PL.15590	C	6 A (CWC)	7.31Y	121.8	0.01	3.24	4.14	3	29	8	96	0.00	0.0	3.873	0.044	4	1	1	6
PL.15415	PL.15591	C	6 A (CWC)	7.31Y	121.8	0.01	3.25	3.61	3	26	7	97	0.00	0.0	3.926	0.053	8	2	1	5
PL.15416	PL.15415	C	6 A (CWC)	7.30Y	121.7	0.01	3.26	2.43	2	17	5	96	0.00	0.0	4.015	0.089	0	0	0	4
PL.15417	PL.15416	C	#2 ACSR	7.30Y	121.7	0.00	3.26	2.43	1	17	5	96	0.00	0.0	4.111	0.095	17	5	4	4
PL.15704	PL.15412	A	6 A (CWC)	7.31Y	121.8	0.00	3.18	6.08	4	43	12	96	0.00	0.0	3.561	0.005	0	0	0	4
PD.2422	PL.15704	A	15T	7.31Y	121.8	0.00	3.18	6.08	0	43	12	96	0.00	0.0	3.561	0.005	0	0	0	4
PL.15705	PD.2422	A	6 A (CWC)	7.31Y	121.8	0.00	3.18	6.08	4	43	12	96	0.00	0.0	3.572	0.010	0	0	0	4
PL.15481	PL.15705	A	6 A (CWC)	7.31Y	121.8	0.00	3.18	1.94	1	14	4	96	0.00	0.0	3.604	0.033	14	4	1	1
PL.15413	PL.15705	A	6 A (CWC)	7.31Y	121.8	0.01	3.19	4.14	3	29	8	96	0.00	0.0	3.651	0.079	18	5	2	3
PL.15418	PL.15413	A	6 A (CWC)	7.31Y	121.8	0.00	3.20	1.56	1	11	3	96	0.00	0.0	3.755	0.104	11	3	1	1
PL.15592	PL.15412	ABC	#1/0 ACSR	7.31Y	121.8	0.02	3.19	12.96	6	274	74	97	0.03	0.0	3.630	0.073	8	2	1	58
PL.15593	PL.15592	ABC	#1/0 ACSR	7.31Y	121.8	0.01	3.21	12.60	5	267	72	97	0.02	0.0	3.676	0.046	0	0	0	57
PL.15419	PL.15593	ABC	#1/0 ACSR	7.31Y	121.8	0.01	3.21	12.60	5	267	72	97	0.01	0.0	3.700	0.024	0	0	0	57
PL.15420	PL.15419	ABC	#1/0 ACSR	7.31Y	121.8	0.01	3.22	12.60	5	267	72	97	0.02	0.0	3.749	0.049	0	0	0	57
PL.15594	PL.15420	ABC	#1/0 ACSR	7.31Y	121.8	0.02	3.25	12.60	5	267	72	97	0.05	0.0	3.861	0.112	12	3	1	57
PL.15595	PL.15594	ABC	#1/0 ACSR	7.30Y	121.7	0.02	3.26	12.05	5	255	69	97	0.03	0.0	3.932	0.071	0	0	1	56
PL.15596	PL.15595	ABC	#1/0 ACSR	7.30Y	121.7	0.01	3.27	12.05	5	255	69	97	0.02	0.0	3.984	0.052	0	0	0	55

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: Booneville

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.15421	PL.15596	ABC	#1/0 ACSR	7.30Y	121.7	0.02	3.29	11.40	5	241	65	97	0.04	0.0	4.086	0.102	0	0	0	53
PL.15422	PL.15421	ABC	#1/0 ACSR	7.30Y	121.7	0.01	3.30	11.40	5	241	65	97	0.01	0.0	4.122	0.036	0	0	0	53
PL.15679	PL.15422	A	#1/0 ACSR	7.30Y	121.7	0.00	3.30	1.51	1	11	3	96	0.00	0.0	4.127	0.005	0	0	0	1
PD.2407	PL.15679	A	15T	7.30Y	121.7	0.00	3.30	1.51	0	11	3	96	0.00	0.0	4.127	0.005	0	0	0	1
PL.15678	PD.2407	A	#1/0 ACSR	7.30Y	121.7	0.00	3.30	1.51	1	11	3	96	0.00	0.0	4.152	0.026	11	3	1	1
PL.15506	PL.15422	ABC	#1/0 ACSR	7.30Y	121.7	0.01	3.31	10.90	5	230	62	97	0.02	0.0	4.178	0.056	3	1	1	52
PL.15684	PL.15506	ABC	#1/0 ACSR	7.30Y	121.7	0.00	3.31	10.57	5	223	60	97	0.00	0.0	4.182	0.005	0	0	0	50
PL.15685	PL.15684	ABC	#1/0 ACSR	7.30Y	121.7	0.01	3.32	10.57	5	223	60	97	0.02	0.0	4.244	0.062	0	0	0	50
PL.15597	PL.15685	ABC	#1/0 ACSR	7.30Y	121.7	0.01	3.33	10.57	5	223	60	97	0.02	0.0	4.298	0.054	12	3	3	50
PL.15598	PL.15597	ABC	#1/0 ACSR	7.30Y	121.7	0.01	3.35	10.02	4	212	57	97	0.02	0.0	4.365	0.067	0	0	0	47
PL.15423	PL.15598	ABC	#1/0 ACSR	7.30Y	121.6	0.02	3.36	9.48	4	200	54	97	0.02	0.0	4.469	0.104	4	1	2	44
PL.15427	PL.15423	ABC	#1/0 ACSR	7.30Y	121.6	0.01	3.37	9.29	4	197	53	97	0.01	0.0	4.521	0.052	0	0	0	42
PL.15688	PL.15427	A	#1/0 ACSR	7.30Y	121.6	0.00	3.37	0.96	0	7	2	96	0.00	0.0	4.525	0.005	0	0	0	2
PD.2411	PL.15688	A	15T	7.30Y	121.6	0.00	3.37	0.96	0	7	2	96	0.00	0.0	4.525	0.005	0	0	0	2
PL.15689	PD.2411	A	#1/0 ACSR	7.30Y	121.6	0.00	3.37	0.96	0	7	2	96	0.00	0.0	4.552	0.026	7	2	2	2
PL.15428	PL.15427	ABC	#1/0 ACSR	7.30Y	121.6	0.02	3.39	8.97	4	190	51	97	0.02	0.0	4.625	0.104	8	2	1	40
PL.15429	PL.15428	ABC	#1/0 ACSR	7.30Y	121.6	0.01	3.39	8.58	4	181	49	97	0.01	0.0	4.660	0.034	0	0	0	39
PL.15430	PL.15429	ABC	#1/0 ACSR	7.30Y	121.6	0.00	3.40	4.50	2	95	26	96	0.00	0.0	4.715	0.055	0	0	0	24
PL.15690	PL.15430	C	#1/0 ACSR	7.30Y	121.6	0.00	3.40	13.51	6	95	26	96	0.00	0.0	4.720	0.005	0	0	0	24
PD.2413	PL.15690	C	15T	7.30Y	121.6	0.00	3.40	13.51	0	95	26	96	0.00	0.0	4.720	0.005	0	0	0	24
PL.15691	PD.2413	C	#1/0 ACSR	7.30Y	121.6	0.00	3.40	13.51	6	95	26	96	0.00	0.0	4.732	0.012	0	0	0	24
PL.15436	PL.15691	C	6 A (CWC)	7.29Y	121.6	0.03	3.43	13.51	10	95	26	96	0.02	0.0	4.779	0.047	3	1	1	24
PL.15438	PL.15436	C	6 A (CWC)	7.29Y	121.5	0.03	3.46	8.76	6	62	17	96	0.01	0.0	4.842	0.063	0	0	0	16
PL.14543	PL.15438	C	6 A (CWC)	7.29Y	121.5	0.02	3.48	8.76	6	62	17	96	0.01	0.0	4.902	0.060	0	0	0	16
PL.14544	PL.14543	C	6 A (CWC)	7.29Y	121.5	0.04	3.52	8.76	6	62	17	96	0.02	0.0	5.008	0.106	18	5	5	16
PL.14545	PL.14544	C	6 A (CWC)	7.29Y	121.5	0.03	3.55	6.20	4	44	12	96	0.01	0.0	5.113	0.105	0	0	1	11
PL.15445	PL.14545	C	6 A (CWC)	7.29Y	121.4	0.01	3.56	3.00	2	21	6	96	0.00	0.0	5.201	0.089	0	0	2	5
PL.15447	PL.15445	C	#4 ACSR	7.29Y	121.4	0.00	3.56	1.35	1	9	3	95	0.00	0.0	5.262	0.060	0	0	1	2
PL.15450	PL.15447	C	#1/0 ACSR	7.29Y	121.4	0.00	3.56	1.34	1	9	3	95	0.00	0.0	5.288	0.027	9	3	1	1
PL.15446	PL.15445	C	#4 ACSR	7.29Y	121.4	0.00	3.56	1.61	1	11	3	96	0.00	0.0	5.218	0.017	0	0	0	1
PL.15491	PL.15446	C	#4 ACSR	7.29Y	121.4	0.01	3.57	1.61	1	11	3	96	0.00	0.0	5.292	0.074	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: Booneville

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.15449	PL.15491	C	#4 ACSR	7.29Y	121.4	0.01	3.57	1.61	1	11	3	96	0.00	0.0	5.476	0.184	11	3	1	1
PL.15442	PL.14545	C	6 A (CWC)	7.29Y	121.4	0.00	3.55	1.32	1	9	2	98	0.00	0.0	5.184	0.071	9	2	2	2
PL.15443	PL.14545	C	6 A (CWC)	7.29Y	121.4	0.00	3.55	1.82	1	13	3	97	0.00	0.0	5.159	0.047	0	0	0	3
PL.15610	PL.15443	C	#2 ACSR	7.29Y	121.4	0.00	3.55	1.82	1	13	3	97	0.00	0.0	5.206	0.047	4	1	1	3
PL.15611	PL.15610	C	#2 ACSR	7.29Y	121.4	0.00	3.56	1.19	1	8	2	97	0.00	0.0	5.269	0.062	0	0	1	2
PL.15444	PL.15611	C	#2 ACSR	7.29Y	121.4	0.00	3.56	1.19	1	8	2	97	0.00	0.0	5.414	0.145	8	2	1	1
PL.15437	PL.15436	C	6 A (CWC)	7.29Y	121.6	0.02	3.45	4.34	3	31	8	97	0.00	0.0	4.883	0.104	13	4	5	7
PL.15439	PL.15437	C	#2 ACSR	7.29Y	121.5	0.00	3.45	1.87	1	13	4	96	0.00	0.0	4.941	0.058	13	4	1	1
PL.14546	PL.15437	C	#2 ACSR	7.29Y	121.6	0.00	3.45	0.57	0	4	1	97	0.00	0.0	4.951	0.068	4	1	1	1
PL.15487	PL.15430	ABC	#1/0 ACSR	7.30Y	121.6	0.00	3.40	0.00	0	0	0	100	0.00	0.0	4.779	0.064	0	0	0	0
PL.15483	PL.15429	C	#1/0 ACSR	7.30Y	121.6	0.00	3.40	12.23	5	86	23	97	0.00	0.0	4.664	0.005	0	0	0	15
PD.2412	PL.15483	C	25T	7.30Y	121.6	0.00	3.40	12.23	0	86	23	97	0.00	0.0	4.664	0.005	0	0	0	15
PL.15499	PD.2412	C	#1/0 ACSR	7.30Y	121.6	0.00	3.40	3.25	1	23	6	97	0.00	0.0	4.667	0.002	0	0	0	4
PL.15500	PL.15499	C	#1/0 ACSR	7.30Y	121.6	0.00	3.40	3.25	1	23	6	97	0.00	0.0	4.667	0.000	0	0	0	4
PL.15241	PL.15500	C	#1/0 ACSR	7.30Y	121.6	0.00	3.40	3.25	1	23	6	97	0.00	0.0	4.672	0.005	0	0	0	4
PL.15498	PL.15241	C	#1/0 ACSR	7.30Y	121.6	0.00	3.40	3.25	1	23	6	97	0.00	0.0	4.672	0.000	0	0	0	4
PL.15239	PL.15498	C	#1/0 ACSR	7.30Y	121.6	0.00	3.40	3.25	1	23	6	97	0.00	0.0	4.676	0.004	0	0	0	4
PL.15240	PL.15239	C	#1/0 ACSR	7.30Y	121.6	0.00	3.40	3.25	1	23	6	97	0.00	0.0	4.676	0.000	0	0	0	4
PL.15456	PL.15240	C	#1/0 ACSR	7.30Y	121.6	0.00	3.40	3.25	1	23	6	97	0.00	0.0	4.683	0.007	1	0	1	4
PL.15432	PL.15456	C	#2 ACSR	7.30Y	121.6	0.00	3.40	3.15	2	22	6	96	0.00	0.0	4.708	0.025	0	0	0	3
PL.15433	PL.15432	C	#2 ACSR	7.30Y	121.6	0.00	3.40	3.15	2	22	6	96	0.00	0.0	4.762	0.055	6	2	1	3
PL.15434	PL.15433	C	#1/0 ACSR	7.30Y	121.6	0.00	3.41	2.23	1	16	4	97	0.00	0.0	4.798	0.036	11	3	1	2
PL.27900	PL.15434	C	#1/0 ACSR	7.30Y	121.6	0.00	3.41	0.68	0	5	1	98	0.00	0.0	4.840	0.041	5	1	1	1
PL.15431	PD.2412	C	#1/0 ACSR	7.30Y	121.6	0.00	3.40	8.98	4	63	17	97	0.00	0.0	4.679	0.015	17	5	1	11
PL.15435	PL.15431	C	6 A (CWC)	7.30Y	121.6	0.01	3.41	6.58	5	46	12	97	0.00	0.0	4.711	0.031	0	0	0	10
PL.14547	PL.15435	C	6 A (CWC)	7.29Y	121.6	0.02	3.43	6.58	5	46	12	97	0.01	0.0	4.792	0.081	0	0	0	10
PL.15484	PL.14547	C	6 A (CWC)	7.29Y	121.5	0.03	3.46	5.00	4	35	9	97	0.01	0.0	4.914	0.122	1	0	1	9
PL.14549	PL.15484	C	6 A (CWC)	7.29Y	121.5	0.01	3.47	4.81	3	34	9	97	0.00	0.0	4.954	0.040	0	0	0	8
PL.14550	PL.14549	C	6 A (CWC)	7.29Y	121.5	0.02	3.49	4.81	3	34	9	97	0.00	0.0	5.034	0.080	0	0	0	8
PL.14551	PL.14550	C	#1/0 ACSR	7.29Y	121.5	0.00	3.49	1.05	0	7	2	96	0.00	0.0	5.073	0.039	7	2	1	1
PL.15485	PL.14550	C	6 A (CWC)	7.29Y	121.5	0.02	3.50	3.77	3	27	7	97	0.00	0.0	5.128	0.093	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: Booneville

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.14552	PL.15485	C	6 A (CWC)	7.29Y	121.5	0.01	3.51	2.67	2	19	5	97	0.00	0.0	5.189	0.061	0	0	0	5
PL.14553	PL.14552	C	6 A (CWC)	7.29Y	121.5	0.01	3.52	2.67	2	19	5	97	0.00	0.0	5.263	0.074	6	2	3	5
PL.14554	PL.14553	C	6 A (CWC)	7.29Y	121.5	0.01	3.52	1.86	1	13	4	96	0.00	0.0	5.346	0.083	0	0	0	2
PL.14555	PL.14554	C	6 A (CWC)	7.29Y	121.5	0.00	3.53	0.62	0	4	1	97	0.00	0.0	5.364	0.018	0	0	0	1
PL.15486	PL.14555	C	6 A (CWC)	7.29Y	121.5	0.00	3.53	0.00	0	0	0	100	0.00	0.0	5.435	0.072	0	0	0	0
PL.15441	PL.14555	C	#2 ACSR	7.29Y	121.5	0.00	3.53	0.62	0	4	1	97	0.00	0.0	5.424	0.060	4	1	1	1
PL.15440	PL.14554	C	#2 ACSR	7.29Y	121.5	0.00	3.53	1.24	1	9	2	98	0.00	0.0	5.377	0.031	9	2	1	1
PL.15600	PL.15485	C	6 A (CWC)	7.29Y	121.5	0.00	3.50	1.10	1	8	2	97	0.00	0.0	5.176	0.048	3	1	1	2
PL.15599	PL.15600	C	6 A (CWC)	7.29Y	121.5	0.00	3.50	0.64	0	5	1	98	0.00	0.0	5.212	0.036	5	1	1	1
PL.14548	PL.14547	C	6 A (CWC)	7.29Y	121.6	0.00	3.43	1.58	1	11	3	96	0.00	0.0	4.826	0.034	11	3	1	1
PL.15686	PL.15598	A	#2 ACSR	7.30Y	121.7	0.00	3.35	1.61	1	11	3	96	0.00	0.0	4.370	0.005	0	0	0	3
PD.2410	PL.15686	A	15T	7.30Y	121.7	0.00	3.35	1.61	0	11	3	96	0.00	0.0	4.370	0.005	0	0	0	3
PL.15687	PD.2410	A	#2 ACSR	7.30Y	121.7	0.00	3.35	1.61	1	11	3	96	0.00	0.0	4.405	0.035	11	3	2	3
PL.15424	PL.15687	A	6 A (CWC)	7.30Y	121.7	0.00	3.35	0.01	0	0	0	100	0.00	0.0	4.495	0.091	0	0	0	1
PL.15425	PL.15424	A	6 A (CWC)	7.30Y	121.7	0.00	3.35	0.01	0	0	0	100	0.00	0.0	4.657	0.162	0	0	0	1
PL.15482	PL.15425	A	6 A (CWC)	7.30Y	121.7	0.00	3.35	0.01	0	0	0	100	0.00	0.0	4.743	0.086	0	0	1	1
PL.15682	PL.15506	A	#1/0 ACSR	7.30Y	121.7	0.00	3.31	0.50	0	4	1	97	0.00	0.0	4.182	0.005	0	0	0	1
PD.2409	PL.15682	A	15T	7.30Y	121.7	0.00	3.31	0.50	0	4	1	97	0.00	0.0	4.182	0.005	0	0	0	1
PL.15683	PD.2409	A	#1/0 ACSR	7.30Y	121.7	0.00	3.31	0.50	0	4	1	97	0.00	0.0	4.201	0.019	4	1	1	1
PL.15680	PL.15596	A	#4 ACSR	7.30Y	121.7	0.00	3.27	1.95	1	14	4	96	0.00	0.0	3.989	0.005	0	0	0	2
PD.2408	PL.15680	A	15T	7.30Y	121.7	0.00	3.27	1.95	0	14	4	96	0.00	0.0	3.989	0.005	0	0	0	2
PL.15681	PD.2408	A	#4 ACSR	7.30Y	121.7	0.00	3.27	1.95	1	14	4	96	0.00	0.0	4.012	0.024	14	4	2	2
PL.15671	PL.15411	A	#1/0 ACSR	7.31Y	121.9	0.00	3.13	0.00	0	0	0	100	0.00	0.0	3.393	0.005	0	0	0	0
PD.2403	PL.15671	A	15T	7.31Y	121.9	0.00	3.13	0.00	0	0	0	100	0.00	0.0	3.393	0.005	0	0	0	0
PL.15670	PD.2403	A	#1/0 ACSR	7.31Y	121.9	0.00	3.13	0.00	0	0	0	100	0.00	0.0	3.422	0.029	0	0	0	0
PL.15674	PL.15410	C	#1/0 ACSR	7.31Y	121.9	0.00	3.11	2.44	1	17	5	96	0.00	0.0	3.317	0.005	0	0	0	1
PD.2405	PL.15674	C	15T	7.31Y	121.9	0.00	3.11	2.44	0	17	5	96	0.00	0.0	3.317	0.005	0	0	0	1
PL.15675	PD.2405	C	#1/0 ACSR	7.31Y	121.9	0.00	3.11	2.44	1	17	5	96	0.00	0.0	3.357	0.040	17	5	1	1
PL.15662	PL.15387	C	6 A (CWC)	7.33Y	122.2	0.00	2.82	0.78	1	6	1	99	0.00	0.0	2.533	0.005	0	0	0	1
PD.2399	PL.15662	C	65T	7.33Y	122.2	0.00	2.82	0.78	0	6	1	99	0.00	0.0	2.533	0.005	0	0	0	1
PL.15663	PD.2399	C	6 A (CWC)	7.33Y	122.2	0.00	2.82	0.78	1	6	1	99	0.00	0.0	2.541	0.008	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: Booneville

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.15389	PL.15663	C	6 A (CWC)	7.33Y	122.2	0.00	2.82	0.78	1	6	1	99	0.00	0.0	2.556	0.015	0	0	0	1
PL.15390	PL.15389	C	#2 ACSR	7.33Y	122.2	0.00	2.82	0.78	0	6	1	99	0.00	0.0	2.611	0.055	6	1	1	1
PL.15658	PL.15233	A	#2 ACSR	7.34Y	122.3	0.00	2.68	1.78	1	13	3	97	0.00	0.0	2.225	0.005	0	0	0	2
PD.2397	PL.15658	A	65T	7.34Y	122.3	0.00	2.68	1.78	0	13	3	97	0.00	0.0	2.225	0.005	0	0	0	2
PL.15659	PD.2397	A	#2 ACSR	7.34Y	122.3	0.00	2.68	1.78	1	13	3	97	0.00	0.0	2.235	0.009	13	3	2	2
PL.15664	PL.15473	C	#1/0 ACSR	7.34Y	122.3	0.00	2.66	1.42	1	10	3	96	0.00	0.0	2.143	0.005	0	0	0	1
PD.2400	PL.15664	C	65T	7.34Y	122.3	0.00	2.66	1.42	0	10	3	96	0.00	0.0	2.143	0.005	0	0	0	1
PL.15665	PD.2400	C	#1/0 ACSR	7.34Y	122.3	0.00	2.66	1.42	1	10	3	96	0.00	0.0	2.151	0.008	0	0	0	1
PL.15123	PL.15665	C	#1/0 ACSR	7.34Y	122.3	0.00	2.66	1.42	1	10	3	96	0.00	0.0	2.177	0.025	0	0	0	1
PL.15125	PL.15123	C	#1/0 ACSR	7.34Y	122.3	0.00	2.66	1.42	1	10	3	96	0.00	0.0	2.229	0.052	10	3	1	1
PL.15656	PL.15206	C	#2 ACSR	7.34Y	122.4	0.00	2.65	0.00	0	0	0	100	0.00	0.0	2.086	0.005	0	0	0	0
PD.2396	PL.15656	C	65T	7.34Y	122.4	0.00	2.65	0.00	0	0	0	100	0.00	0.0	2.086	0.005	0	0	0	0
PL.15657	PD.2396	C	#2 ACSR	7.34Y	122.4	0.00	2.65	0.00	0	0	0	100	0.00	0.0	2.146	0.059	0	0	0	0
PL.15361	PL.15250	ABC	336 MCM AC	7.35Y	122.4	0.00	2.57	7.62	1	162	44	97	0.00	0.0	1.767	0.016	0	0	0	26
PL.15362	PL.15361	ABC	#1/0 ACSR	7.35Y	122.4	0.01	2.58	7.62	3	162	44	97	0.01	0.0	1.807	0.041	0	0	0	26
PL.15251	PL.15362	ABC	#1/0 ACSR	7.35Y	122.4	0.00	2.58	7.62	3	162	44	97	0.00	0.0	1.810	0.003	0	0	0	26
PD.2437	PL.15251	ABC	70L	7.35Y	122.4	0.00	2.58	7.62	11	162	44	97	0.00	0.0	1.810	0.003	0	0	0	26
PL.15252	PD.2437	ABC	#1/0 ACSR	7.34Y	122.4	0.02	2.59	7.62	3	162	44	97	0.02	0.0	1.929	0.119	6	2	1	26
PL.15564	PL.15252	ABC	#1/0 ACSR	7.34Y	122.4	0.01	2.60	7.34	3	156	42	97	0.01	0.0	1.994	0.065	0	0	1	25
PL.15565	PL.15564	ABC	#1/0 ACSR	7.34Y	122.4	0.01	2.61	7.34	3	156	42	97	0.01	0.0	2.051	0.057	0	0	0	24
PL.15654	PL.15565	C	#1/0 ACSR	7.34Y	122.4	0.00	2.61	19.32	8	137	37	97	0.00	0.0	2.056	0.005	0	0	0	21
PD.2395	PL.15654	C	30T	7.34Y	122.4	0.00	2.61	19.32	0	137	37	97	0.00	0.0	2.056	0.005	0	0	0	21
PL.15655	PD.2395	C	#1/0 ACSR	7.34Y	122.4	0.02	2.63	19.32	8	137	37	97	0.02	0.0	2.099	0.044	0	0	0	21
PL.15370	PL.15655	C	#1/0 ACSR	7.34Y	122.3	0.07	2.70	19.32	8	137	37	97	0.06	0.0	2.252	0.153	0	0	0	21
PL.15369	PL.15370	C	6 A (CWC)	7.34Y	122.3	0.03	2.73	19.32	14	137	37	97	0.04	0.0	2.292	0.040	5	1	1	21
PL.15557	PL.15369	C	6 A (CWC)	7.33Y	122.2	0.03	2.76	18.56	13	132	35	97	0.03	0.0	2.330	0.038	10	3	1	20
PL.15558	PL.15557	C	6 A (CWC)	7.33Y	122.2	0.03	2.79	17.16	12	122	33	97	0.03	0.0	2.367	0.037	7	2	2	19
PL.15374	PL.15558	C	6 A (CWC)	7.33Y	122.2	0.00	2.79	0.00	0	0	0	100	0.00	0.0	2.410	0.043	0	0	0	0
PL.15373	PL.15558	C	6 A (CWC)	7.33Y	122.2	0.02	2.81	16.18	12	115	31	97	0.02	0.0	2.395	0.028	0	0	0	17
PL.15559	PL.15373	C	6 A (CWC)	7.33Y	122.2	0.01	2.83	12.51	9	89	24	97	0.01	0.0	2.421	0.026	18	5	2	14
PL.15561	PL.15559	C	6 A (CWC)	7.33Y	122.2	0.02	2.84	9.96	7	71	19	97	0.01	0.0	2.460	0.039	17	5	2	12

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Balanced Voltage Drop Report
Source: Booneville

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.15560	PL.15561	C	6 A (CWC)	7.33Y	122.1	0.01	2.85	7.56	5	53	14	97	0.00	0.0	2.497	0.037	20	5	2	10
PL.15556	PL.15560	C	6 A (CWC)	7.33Y	122.1	0.01	2.86	4.77	3	34	9	97	0.00	0.0	2.523	0.026	7	2	1	8
PL.15376	PL.15556	C	6 A (CWC)	7.33Y	122.1	0.00	2.86	1.83	1	13	3	97	0.00	0.0	2.552	0.029	0	0	0	4
PL.15378	PL.15376	C	6 A (CWC)	7.33Y	122.1	0.01	2.87	1.83	1	13	3	97	0.00	0.0	2.625	0.073	0	0	0	4
PL.15380	PL.15378	C	#2 ACSR	7.33Y	122.1	0.01	2.87	1.83	1	13	3	97	0.00	0.0	2.719	0.093	0	0	0	3
PL.15381	PL.15380	C	#2 ACSR	7.33Y	122.1	0.00	2.87	0.77	0	5	1	98	0.00	0.0	2.807	0.088	5	1	1	1
PL.15472	PL.15380	C	#2 ACSR	7.33Y	122.1	0.00	2.87	1.06	1	8	2	97	0.00	0.0	2.776	0.057	8	2	2	2
PL.15471	PL.15378	C	6 A (CWC)	7.33Y	122.1	0.00	2.87	0.00	0	0	0	100	0.00	0.0	2.662	0.037	0	0	1	1
PL.15379	PL.15471	C	6 A (CWC)	7.33Y	122.1	0.00	2.87	0.00	0	0	0	100	0.00	0.0	2.691	0.029	0	0	0	0
PL.15375	PL.15556	C	#1/0 ACSR	7.33Y	122.1	0.00	2.86	0.23	0	2	0	100	0.00	0.0	2.562	0.039	2	0	1	1
PL.15377	PL.15556	C	#2 ACSR	7.33Y	122.1	0.00	2.86	1.64	1	12	3	97	0.00	0.0	2.558	0.034	11	3	1	2
PL.15382	PL.15377	C	#2 ACSR	7.33Y	122.1	0.00	2.86	0.12	0	1	0	100	0.00	0.0	2.583	0.025	1	0	1	1
PL.15372	PL.15373	C	6 A (CWC)	7.33Y	122.2	0.01	2.82	3.67	3	26	7	97	0.00	0.0	2.431	0.037	8	2	1	3
PL.15371	PL.15372	C	6 A (CWC)	7.33Y	122.2	0.01	2.83	2.59	2	18	5	96	0.00	0.0	2.489	0.058	0	0	0	2
PL.15368	PL.15371	C	6 A (CWC)	7.33Y	122.2	0.00	2.83	2.59	2	18	5	96	0.00	0.0	2.526	0.038	8	2	1	2
PL.15367	PL.15368	C	#2 ACSR	7.33Y	122.2	0.00	2.83	1.40	1	10	3	96	0.00	0.0	2.576	0.050	0	0	0	1
PL.15366	PL.15367	C	#2 ACSR	7.33Y	122.2	0.00	2.83	1.40	1	10	3	96	0.00	0.0	2.619	0.043	10	3	1	1
PL.15470	PL.15565	ABC	#1/0 ACSR	7.34Y	122.4	0.00	2.61	0.90	0	19	5	97	0.00	0.0	2.146	0.096	0	0	0	3
PL.15363	PL.15470	ABC	#1/0 ACSR	7.34Y	122.4	0.00	2.61	0.90	0	19	5	97	0.00	0.0	2.318	0.171	0	0	0	3
PL.15202	PL.15363	ABC	#1/0 ACSR	7.34Y	122.4	0.00	2.62	0.90	0	19	5	97	0.00	0.0	2.490	0.173	6	2	1	3
PL.15364	PL.15202	ABC	#1/0 ACSR	7.34Y	122.4	0.00	2.62	0.63	0	13	4	96	0.00	0.0	2.638	0.148	0	0	0	2
PL.15203	PL.15364	ABC	#1/0 ACSR	7.34Y	122.4	0.00	2.62	0.63	0	13	4	96	0.00	0.0	2.774	0.136	0	0	0	2
PL.15720	PL.15203	ABC	1/0 AL URD	7.34Y	122.4	0.00	2.62	0.63	0	13	4	96	0.00	0.0	2.779	0.005	0	0	0	2
PD.2433	PL.15720	ABC	30T	7.34Y	122.4	0.00	2.62	0.63	0	13	4	96	0.00	0.0	2.779	0.005	0	0	0	2
PL.15721	PD.2433	ABC	1/0 AL URD	7.34Y	122.4	0.00	2.62	0.63	0	13	4	96	0.00	0.0	2.816	0.037	0	0	0	2
PL.15384	PL.15721	A	1/0 AL URD	7.34Y	122.4	0.00	2.62	1.81	1	13	3	97	0.00	0.0	2.919	0.104	13	3	1	1
PL.15383	PL.15721	A	1/0 AL URD	7.34Y	122.4	0.00	2.62	0.08	0	1	0	100	0.00	0.0	2.819	0.003	1	0	1	1
PL.15365	PL.15721	ABC	1/0 AL URD	7.34Y	122.4	0.00	2.62	0.00	0	0	0	100	0.00	0.0	2.937	0.121	0	0	0	0
PL.15204	PL.15365	ABC	1/0 AL URD	7.34Y	122.4	0.00	2.62	0.00	0	0	0	100	0.00	0.0	3.086	0.149	0	0	0	0
PL.15247	PL.15250	A	#2 ACSR	7.35Y	122.4	0.00	2.57	7.87	4	56	15	97	0.00	0.0	1.754	0.003	0	0	0	15
PD.2436	PL.15247	A	50L	7.35Y	122.4	0.00	2.57	7.87	16	56	15	97	0.00	0.0	1.754	0.003	0	0	0	15

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Balanced Voltage Drop Report
Source: Booneville

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.15248	PD.2436	A	#2 ACSR	7.34Y	122.4	0.05	2.62	7.87	4	56	15	97	0.02	0.0	1.939	0.186	0	0	0	15
PL.15346	PL.15248	A	6 A (CWC)	7.34Y	122.4	0.02	2.64	7.87	6	56	15	97	0.01	0.0	2.011	0.072	5	1	1	15
PL.15347	PL.15346	A	6 A (CWC)	7.34Y	122.3	0.06	2.70	7.20	5	51	14	96	0.02	0.0	2.188	0.176	0	0	0	14
PL.15197	PL.15347	A	6 A (CWC)	7.34Y	122.3	0.01	2.71	7.20	5	51	14	96	0.01	0.0	2.230	0.042	1	0	1	14
PL.15578	PL.15197	A	6 A (CWC)	7.34Y	122.3	0.02	2.73	7.04	5	50	13	97	0.01	0.0	2.291	0.061	9	3	1	13
PL.15579	PL.15578	A	6 A (CWC)	7.33Y	122.2	0.03	2.76	5.72	4	41	11	97	0.01	0.0	2.403	0.113	0	0	0	12
PL.15348	PL.15579	A	#1/0 ACSR	7.33Y	122.2	0.01	2.77	1.53	1	11	3	96	0.00	0.0	2.566	0.163	0	0	0	2
PL.15198	PL.15348	A	#1/0 ACSR	7.33Y	122.2	0.00	2.77	1.53	1	11	3	96	0.00	0.0	2.688	0.122	11	3	2	2
PL.15349	PL.15579	A	#2 ACSR	7.33Y	122.2	0.00	2.76	1.30	1	9	2	98	0.00	0.0	2.435	0.032	9	2	1	1
PL.15469	PL.15579	A	6 A (CWC)	7.33Y	122.2	0.01	2.78	2.89	2	20	5	97	0.00	0.0	2.513	0.109	0	0	0	9
PL.15350	PL.15469	A	6 A (CWC)	7.33Y	122.2	0.01	2.79	2.89	2	20	5	97	0.00	0.0	2.612	0.100	0	0	0	9
PL.15199	PL.15350	A	6 A (CWC)	7.33Y	122.2	0.02	2.81	2.89	2	20	5	97	0.00	0.0	2.765	0.153	1	0	1	9
PL.15353	PL.15199	A	6 A (CWC)	7.33Y	122.2	0.00	2.81	1.35	1	10	3	96	0.00	0.0	2.828	0.063	0	0	3	6
PL.15355	PL.15353	A	6 A (CWC)	7.33Y	122.2	0.00	2.81	1.35	1	10	3	96	0.00	0.0	2.895	0.066	8	2	1	3
PL.15571	PL.15355	A	#2 ACSR	7.33Y	122.2	0.00	2.82	0.28	0	2	1	89	0.00	0.0	3.010	0.115	0	0	0	2
PL.15572	PL.15571	A	#2 ACSR	7.33Y	122.2	0.00	2.82	0.28	0	2	1	89	0.00	0.0	3.136	0.127	0	0	0	2
PL.15200	PL.15572	A	#2 ACSR	7.33Y	122.2	0.00	2.82	0.28	0	2	1	89	0.00	0.0	3.246	0.109	0	0	0	2
PL.15201	PL.15200	A	#2 ACSR	7.33Y	122.2	0.00	2.82	0.28	0	2	1	89	0.00	0.0	3.420	0.174	2	1	2	2
PL.15352	PL.15199	A	#4 ACSR	7.33Y	122.2	0.00	2.81	0.00	0	0	0	100	0.00	0.0	2.849	0.084	0	0	0	0
PL.15354	PL.15352	A	#4 ACSR	7.33Y	122.2	0.00	2.81	0.00	0	0	0	100	0.00	0.0	2.905	0.055	0	0	0	0
PL.15351	PL.15199	A	6 A (CWC)	7.33Y	122.2	0.00	2.81	1.42	1	10	3	96	0.00	0.0	2.836	0.070	10	3	2	2
PL.15652	PL.15497	C	#1/0 ACSR	7.35Y	122.5	0.00	2.50	2.79	1	20	5	97	0.00	0.0	1.517	0.005	0	0	0	7
PD.2394	PL.15652	C	65T	7.35Y	122.5	0.00	2.50	2.79	0	20	5	97	0.00	0.0	1.517	0.005	0	0	0	7
PL.15653	PD.2394	C	#1/0 ACSR	7.35Y	122.5	0.00	2.50	2.79	1	20	5	97	0.00	0.0	1.557	0.039	1	0	3	7
PL.15232	PL.15653	C	#1/0 ACSR	7.35Y	122.5	0.00	2.50	0.73	0	5	1	98	0.00	0.0	1.602	0.046	5	1	2	2
PL.15562	PL.15653	C	#1/0 ACSR	7.35Y	122.5	0.00	2.50	1.92	1	14	4	96	0.00	0.0	1.624	0.067	0	0	1	2
PL.15563	PL.15562	C	#1/0 ACSR	7.35Y	122.5	0.00	2.50	1.92	1	14	4	96	0.00	0.0	1.718	0.094	14	4	1	1
PL.15098	PL.15210	A	#4 ACSR	7.38Y	123.0	0.00	1.99	1.49	1	11	3	96	0.00	0.0	0.861	0.044	11	3	2	2
PL.15096	PL.15210	ABC	#2 ACSR	7.38Y	123.0	0.00	1.99	0.03	0	1	0	100	0.00	0.0	0.842	0.025	1	0	1	1
PL.15099	PL.15210	A	#1/0 ACSR	7.38Y	123.0	0.01	2.00	5.80	3	41	11	97	0.00	0.0	0.860	0.043	0	0	0	2
PL.15100	PL.15099	A	#1/0 ACSR	7.38Y	123.0	0.00	2.00	0.11	0	1	0	100	0.00	0.0	0.926	0.066	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: Booneville

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.15460	PL.15099	A	#1/0 ACSR	7.38Y	123.0	0.00	2.00	5.69	2	41	11	97	0.00	0.0	0.909	0.049	41	11	1	1
PL.15710	PL.15713	A	#2 ACSR	7.40Y	123.3	0.00	1.70	0.65	0	5	1	98	0.00	0.0	0.678	0.004	0	0	0	1
PD.2426	PL.15710	A	65T	7.40Y	123.3	0.00	1.70	0.65	0	5	1	98	0.00	0.0	0.678	0.004	0	0	0	1
PL.15711	PD.2426	A	#2 ACSR	7.40Y	123.3	0.00	1.70	0.65	0	5	1	98	0.00	0.0	0.697	0.019	5	1	1	1
PL.15092	PL.72521	ABC	#1/0 ACSR	7.50Y	125.0	0.00	0.03	0.00	0	0	0	100	0.00	0.0	0.017	0.006	0	0	0	0
PL.16236	Booneville	ABC	#3/0 ACSR	7.50Y	125.0	0.01	0.01	191.62	64	4080	1393	95	0.24	0.0	0.004	0.004	0	0	0	611
PL.72518	PL.16236	ABC	#3/0 ACSR	7.50Y	125.0	0.01	0.02	191.62	64	4080	1392	95	0.17	0.0	0.007	0.003	0	0	0	611
---------- Feeder No. 1 (Lerose F1) Beginning with Device PD.10795 ----------																				
PD.10795	PL.72518	ABC	480VWE	7.50Y	125.0	0.00	0.02	191.62	0	4080	1392	95	0.00	0.0	0.007	0.003	0	0	0	611
PL.72519	PD.10795	ABC	#3/0 ACSR	7.50Y	125.0	0.02	0.03	191.62	64	4080	1392	95	0.40	0.0	0.013	0.007	0	0	0	611
PL.14247	PL.72519	ABC	#3/0 ACSR	7.48Y	124.7	0.22	0.26	191.62	64	4080	1392	95	5.47	0.1	0.102	0.089	2	1	1	611
PL.14391	PL.14247	ABC	#3/0 ACSR	7.46Y	124.4	0.33	0.58	191.52	64	4072	1383	95	7.96	0.2	0.231	0.129	0	0	0	610
PL.14395	PL.14391	ABC	#3/0 ACSR	7.45Y	124.1	0.33	0.91	191.39	64	4061	1371	95	8.02	0.2	0.361	0.130	0	0	0	609
PL.14394	PL.14395	ABC	#3/0 ACSR	7.43Y	123.8	0.24	1.15	191.39	64	4053	1359	95	5.91	0.1	0.457	0.096	0	0	0	609
PL.14248	PL.14394	ABC	#3/0 ACSR	7.41Y	123.6	0.29	1.44	191.39	64	4047	1351	95	7.09	0.2	0.573	0.115	0	0	0	609
PL.14393	PL.14248	ABC	#3/0 ACSR	7.40Y	123.4	0.20	1.64	191.39	64	4040	1340	95	4.78	0.1	0.650	0.078	0	0	0	609
PL.14384	PL.14393	ABC	#3/0 ACSR	7.39Y	123.1	0.22	1.86	191.34	64	4034	1333	95	5.40	0.1	0.738	0.088	0	0	0	608
PL.14250	PL.14384	ABC	336 MCM AC	7.37Y	122.9	0.23	2.09	191.34	37	4029	1325	95	4.80	0.1	0.894	0.156	0	0	0	608
PL.14397	PL.14250	ABC	336 MCM AC	7.36Y	122.7	0.18	2.28	191.34	37	4024	1314	95	3.79	0.1	1.017	0.123	0	0	0	608
PL.14777	PL.14397	ABC	336 MCM AC	7.36Y	122.6	0.11	2.38	189.25	36	3977	1288	95	2.19	0.1	1.089	0.073	4	1	1	604
PL.14778	PL.14777	ABC	336 MCM AC	7.35Y	122.5	0.12	2.50	189.07	36	3971	1282	95	2.41	0.1	1.169	0.080	13	3	1	603
PL.14774	PL.14778	ABC	336 MCM AC	7.35Y	122.4	0.07	2.58	188.46	36	3956	1273	95	1.53	0.0	1.220	0.051	0	0	0	602
PL.14616	PL.14774	ABC	#3/0 ACSR	7.34Y	122.3	0.11	2.69	188.46	63	3954	1270	95	2.67	0.1	1.266	0.045	34	9	7	602
PL.14617	PL.14616	ABC	#3/0 ACSR	7.34Y	122.3	0.04	2.73	162.29	54	3395	1115	95	0.80	0.0	1.284	0.018	0	0	0	496
PL.14763	PL.14617	ABC	#3/0 ACSR	7.33Y	122.1	0.15	2.88	162.29	54	3394	1114	95	3.20	0.1	1.356	0.073	10	3	1	496
PL.15068	PL.14763	ABC	#3/0 ACSR	7.31Y	121.8	0.30	3.18	161.85	54	3381	1107	95	6.26	0.2	1.498	0.142	0	0	0	495
PD.2370-A	PL.15068	ABC	Closed	7.31Y	121.8	0.00	3.18	161.85	0	3375	1098	95	0.00	0.0	1.498	0.142	0	0	0	495
PD.2370-B	PD.2370-A	ABC	Closed	7.31Y	121.8	0.00	3.18	161.85	0	3375	1098	95	0.00	0.0	1.498	0.142	0	0	0	495
PL.15069	PD.2370-B	ABC	#3/0 ACSR	7.30Y	121.7	0.16	3.34	161.85	54	3375	1098	95	3.39	0.1	1.576	0.077	0	0	0	495

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Balanced Voltage Drop Report
Source: Booneville

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.14614	PL.15069	ABC	#3/0 ACSR	7.29Y	121.5	0.18	3.52	160.24	53	3337	1084	95	3.70	0.1	1.662	0.086	13	4	4	490
PL.14753	PL.14614	ABC	#3/0 ACSR	7.28Y	121.4	0.08	3.61	122.73	41	2575	756	96	1.36	0.1	1.715	0.054	9	3	2	449
PL.14754	PL.14753	ABC	#3/0 ACSR	7.28Y	121.3	0.11	3.72	122.28	41	2564	752	96	1.78	0.1	1.786	0.071	0	0	0	447
PL.14615	PL.14754	ABC	#3/0 ACSR	7.28Y	121.3	0.00	3.72	122.28	41	2562	749	96	0.04	0.0	1.788	0.002	0	0	0	447
RG.19	PL.14615	ABC	167Kkva	7.46Y	124.4	-3.11	0.61	122.28	56	2562	749	96	percent Boost= 2.50 Tap= 4.0							447
PL.14779	RG.19	ABC	#3/0 ACSR	7.46Y	124.3	0.04	0.65	119.23	40	2562	749	96	0.66	0.0	1.816	0.027	4	1	2	447
PL.15066	PL.14779	ABC	336 MCM AC	7.46Y	124.3	0.00	0.66	119.03	23	2557	747	96	0.06	0.0	1.820	0.005	0	0	0	445
PD.2369-A	PL.15066	ABC	Closed	7.46Y	124.3	0.00	0.66	119.03	0	2557	747	96	0.00	0.0	1.820	0.005	0	0	0	445
PD.2369-B	PD.2369-A	ABC	Closed	7.46Y	124.3	0.00	0.66	119.03	0	2557	747	96	0.00	0.0	1.820	0.005	0	0	0	445
PL.14964	PD.2369-B	A	#2 ACSR	7.46Y	124.3	0.00	0.66	0.71	0	5	1	98	0.00	0.0	1.824	0.004	0	0	0	2
PD.2316	PL.14964	A	65T	7.46Y	124.3	0.00	0.66	0.71	0	5	1	98	0.00	0.0	1.824	0.004	0	0	0	2
PL.14965	PD.2316	A	#2 ACSR	7.46Y	124.3	0.00	0.66	0.71	0	5	1	98	0.00	0.0	1.937	0.112	5	1	2	2
PL.14745	PD.2369-B	ABC	336 MCM AC	7.46Y	124.3	0.03	0.69	118.66	23	2549	745	96	0.40	0.0	1.854	0.033	0	0	0	441
PL.15090	PL.14745	ABC	336 MCM AC	7.45Y	124.2	0.08	0.76	118.66	23	2549	744	96	1.01	0.0	1.938	0.085	0	0	0	441
PL.15091	PL.15090	ABC	336 MCM AC	7.45Y	124.2	0.06	0.83	118.66	23	2548	741	96	0.82	0.0	2.008	0.069	2	0	1	441
PL.14607	PL.15091	ABC	336 MCM AC	7.45Y	124.1	0.03	0.86	106.70	21	2289	670	96	0.41	0.0	2.051	0.043	0	0	0	390
PL.14885	PL.14607	ABC	336 MCM AC	7.45Y	124.1	0.03	0.89	105.22	20	2257	660	96	0.37	0.0	2.090	0.039	19	5	2	386
PL.14886	PL.14885	ABC	336 MCM AC	7.44Y	124.1	0.06	0.95	104.35	20	2237	654	96	0.64	0.0	2.160	0.070	0	0	0	384
PL.14602	PL.14886	ABC	336 MCM AC	7.44Y	124.0	0.06	1.01	103.90	20	2227	650	96	0.72	0.0	2.239	0.079	0	0	0	382
PL.15084	PL.14602	ABC	#1/0 ACSR	7.44Y	124.0	0.02	1.03	20.41	9	440	119	97	0.06	0.0	2.290	0.051	0	0	0	70
PD.2377	PL.15084	ABC	35L	7.44Y	124.0	0.00	1.03	20.41	58	440	119	97	0.00	0.0	2.290	0.051	0	0	0	70
PL.15085	PD.2377	ABC	#1/0 ACSR	7.44Y	124.0	0.01	1.03	20.41	9	440	119	97	0.02	0.0	2.308	0.018	0	0	0	70
PL.14883	PL.15085	ABC	#1/0 ACSR	7.44Y	123.9	0.05	1.08	19.38	8	418	113	97	0.14	0.0	2.444	0.136	0	0	1	65
PL.14884	PL.14883	ABC	#1/0 ACSR	7.43Y	123.9	0.03	1.11	19.37	8	417	113	97	0.08	0.0	2.529	0.086	7	2	1	64
PL.14882	PL.14884	ABC	#1/0 ACSR	7.43Y	123.9	0.03	1.14	19.03	8	410	111	97	0.09	0.0	2.622	0.093	0	0	0	63
PL.14880	PL.14882	ABC	#1/0 ACSR	7.43Y	123.8	0.03	1.18	18.52	8	399	108	97	0.09	0.0	2.728	0.106	11	3	2	62
PL.14881	PL.14880	ABC	#1/0 ACSR	7.43Y	123.8	0.01	1.19	18.03	8	388	105	97	0.03	0.0	2.766	0.038	2	1	2	60
PL.14879	PL.14881	ABC	#1/0 ACSR	7.43Y	123.8	0.02	1.21	17.93	8	386	104	97	0.05	0.0	2.825	0.059	19	5	3	58
PL.15012	PL.14879	A	#1/0 ACSR	7.43Y	123.8	0.00	1.21	1.64	1	12	3	97	0.00	0.0	2.829	0.004	0	0	0	1
PD.2341	PL.15012	A	15T	7.43Y	123.8	0.00	1.21	1.64	0	12	3	97	0.00	0.0	2.829	0.004	0	0	0	1
PL.15013	PD.2341	A	#1/0 ACSR	7.43Y	123.8	0.00	1.21	1.64	1	12	3	97	0.00	0.0	2.854	0.025	12	3	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: Booneville

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.14877	PL.14879	ABC	#1/0 ACSR	7.43Y	123.8	0.03	1.23	16.51	7	355	96	97	0.06	0.0	2.915	0.090	7	2	3	54
PL.14878	PL.14877	ABC	#1/0 ACSR	7.43Y	123.8	0.01	1.25	16.20	7	348	94	97	0.03	0.0	2.958	0.043	0	0	0	51
PL.14875	PL.14878	ABC	#1/0 ACSR	7.42Y	123.7	0.01	1.26	15.20	7	327	88	97	0.03	0.0	3.005	0.047	8	2	1	49
PL.14876	PL.14875	ABC	#1/0 ACSR	7.42Y	123.7	0.02	1.28	14.83	6	319	86	97	0.04	0.0	3.073	0.068	11	3	1	48
PL.14873	PL.14876	ABC	#1/0 ACSR	7.42Y	123.7	0.01	1.28	14.31	6	308	83	97	0.01	0.0	3.098	0.025	16	4	1	47
PL.14874	PL.14873	ABC	#1/0 ACSR	7.42Y	123.7	0.01	1.30	13.58	6	292	79	97	0.03	0.0	3.160	0.061	0	0	0	46
PL.14494	PL.14874	ABC	#1/0 ACSR	7.42Y	123.7	0.02	1.32	13.29	6	286	77	97	0.04	0.0	3.252	0.092	0	0	0	44
PL.14871	PL.14494	ABC	#1/0 ACSR	7.42Y	123.7	0.02	1.34	13.17	6	283	76	97	0.04	0.0	3.346	0.095	6	2	2	43
PL.14872	PL.14871	ABC	#1/0 ACSR	7.42Y	123.6	0.02	1.36	12.88	6	277	75	97	0.04	0.0	3.438	0.091	0	0	0	41
PL.14479	PL.14872	ABC	#1/0 ACSR	7.42Y	123.6	0.03	1.39	12.56	5	270	73	97	0.06	0.0	3.571	0.134	0	0	0	39
PL.15004	PL.14479	A	#1/0 ACSR	7.42Y	123.6	0.00	1.39	1.41	1	10	3	96	0.00	0.0	3.576	0.005	0	0	0	1
PD.2337	PL.15004	A	15T	7.42Y	123.6	0.00	1.39	1.41	0	10	3	96	0.00	0.0	3.576	0.005	0	0	0	1
PL.15005	PD.2337	A	#1/0 ACSR	7.42Y	123.6	0.00	1.39	1.41	1	10	3	96	0.00	0.0	3.581	0.005	0	0	0	1
PL.14392	PL.15005	A	#1/0 ACSR	7.42Y	123.6	0.00	1.40	1.41	1	10	3	96	0.00	0.0	3.630	0.049	10	3	1	1
PL.14869	PL.14479	ABC	#1/0 ACSR	7.42Y	123.6	0.01	1.40	12.09	5	260	70	97	0.02	0.0	3.612	0.041	12	3	1	38
PL.14870	PL.14869	ABC	#1/0 ACSR	7.42Y	123.6	0.01	1.42	11.53	5	248	67	97	0.02	0.0	3.677	0.065	3	1	2	37
PL.14868	PL.14870	ABC	#1/0 ACSR	7.41Y	123.6	0.01	1.43	11.38	5	244	66	97	0.02	0.0	3.732	0.055	0	0	0	35
PL.14474	PL.14868	ABC	#1/0 ACSR	7.41Y	123.5	0.03	1.45	10.90	5	234	63	97	0.04	0.0	3.864	0.131	0	0	0	34
PL.14305	PL.14474	ABC	#1/0 ACSR	7.41Y	123.5	0.02	1.48	10.55	5	227	61	97	0.04	0.0	3.985	0.121	0	0	0	32
PL.14866	PL.14305	ABC	#1/0 ACSR	7.41Y	123.5	0.01	1.49	10.55	5	227	61	97	0.02	0.0	4.064	0.079	7	2	1	32
PL.14867	PL.14866	ABC	#1/0 ACSR	7.41Y	123.5	0.03	1.52	10.22	4	219	59	97	0.04	0.0	4.226	0.162	10	3	1	31
PL.14861	PL.14867	ABC	#1/0 ACSR	7.41Y	123.5	0.01	1.53	9.77	4	210	57	97	0.01	0.0	4.262	0.036	7	2	1	30
PL.14860	PL.14861	ABC	#1/0 ACSR	7.41Y	123.5	0.01	1.54	9.44	4	203	55	97	0.01	0.0	4.314	0.052	1	0	1	29
PL.15078	PL.14860	ABC	#1/0 ACSR	7.41Y	123.5	0.00	1.54	1.24	1	27	7	97	0.00	0.0	4.316	0.002	0	0	0	4
PL.15079	PL.15078	ABC	#1/0 ACSR	7.41Y	123.5	0.00	1.54	1.24	1	27	7	97	0.00	0.0	4.343	0.027	0	0	0	4
PL.14308	PL.15079	A	#1/0 ACSR	7.41Y	123.5	0.00	1.54	3.71	2	27	7	97	0.00	0.0	4.368	0.025	0	0	0	4
PL.15024	PL.14308	A	6 A (CWC)	7.41Y	123.5	0.00	1.54	3.71	3	27	7	97	0.00	0.0	4.373	0.005	0	0	0	4
PD.2347	PL.15024	A	20T	7.41Y	123.5	0.00	1.54	3.71	0	27	7	97	0.00	0.0	4.373	0.005	0	0	0	4
PL.15025	PD.2347	A	6 A (CWC)	7.41Y	123.4	0.01	1.55	3.71	3	27	7	97	0.00	0.0	4.460	0.087	0	0	0	4
PL.14406	PL.15025	A	6 A (CWC)	7.41Y	123.4	0.03	1.58	3.71	3	27	7	97	0.00	0.0	4.608	0.148	0	0	0	4
PL.14407	PL.14406	A	6 A (CWC)	7.40Y	123.4	0.03	1.61	3.71	3	27	7	97	0.01	0.0	4.776	0.169	0	0	0	4

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

Balanced Voltage Drop Report
Source: Booneville

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.14463	PL.14407	A	6 A (CWC)	7.40Y	123.4	0.02	1.63	3.71	3	26	7	97	0.00	0.0	4.900	0.123	0	0	0	4
PL.14309	PL.14463	A	#2 ACSR	7.40Y	123.4	0.00	1.63	0.54	0	4	1	97	0.00	0.0	4.935	0.036	4	1	1	1
PL.14464	PL.14463	A	6 A (CWC)	7.40Y	123.4	0.01	1.64	3.17	2	23	6	97	0.00	0.0	4.978	0.079	2	0	1	3
OH12	PL.14464	A	#1/0 ACSR	7.40Y	123.3	0.04	1.68	2.91	1	21	6	96	0.01	0.0	5.567	0.589	0	0	0	2
OH13	OH12	A	#1/0 ACSR	7.40Y	123.3	0.02	1.70	2.91	1	21	6	96	0.00	0.0	5.810	0.242	0	0	0	2
PL.14898	OH13	A	#4 ACSR	7.40Y	123.3	0.00	1.70	2.91	2	21	6	96	0.00	0.0	5.866	0.057	17	5	1	2
PL.14900	PL.14898	A	#4 ACSR	7.40Y	123.3	0.00	1.70	0.49	0	3	1	95	0.00	0.0	5.940	0.074	0	0	0	1
PL.14899	PL.14900	A	#4 ACSR	7.40Y	123.3	0.00	1.71	0.49	0	3	1	95	0.00	0.0	6.127	0.186	3	1	1	1
PL.14413	PL.14899	A	#4 ACSR	7.40Y	123.3	0.00	1.71	0.00	0	0	0	100	0.00	0.0	6.289	0.162	0	0	0	0
PL.14322	PL.14413	A	#4 ACSR	7.40Y	123.3	0.00	1.71	0.00	0	0	0	100	0.00	0.0	6.431	0.143	0	0	0	0
PL.15022	PL.14322	A	#4 ACSR	7.40Y	123.3	0.00	1.71	0.00	0	0	0	100	0.00	0.0	6.483	0.051	0	0	0	0
PD.2346	PL.15022	A	10T	7.40Y	123.3	0.00	1.71	0.00	0	0	0	100	0.00	0.0	6.483	0.051	0	0	0	0
PL.15023	PD.2346	A	#4 ACSR	7.40Y	123.3	0.00	1.71	0.00	0	0	0	100	0.00	0.0	6.487	0.005	0	0	0	0
PL.15080	PL.14860	A	6 A (CWC)	7.41Y	123.5	0.00	1.54	23.35	17	167	45	97	0.00	0.0	4.317	0.003	0	0	0	22
PD.2375	PL.15080	A	35T	7.41Y	123.5	0.00	1.54	23.35	0	167	45	97	0.00	0.0	4.317	0.003	0	0	0	22
PL.15081	PD.2375	A	6 A (CWC)	7.40Y	123.3	0.15	1.68	23.35	17	167	45	97	0.18	0.1	4.453	0.137	0	0	0	22
PL.14311	PL.15081	A	#1/0 ACSR	7.40Y	123.3	0.00	1.68	1.88	1	13	4	96	0.00	0.0	4.473	0.019	13	4	1	1
PL.14910	PL.15081	A	6 A (CWC)	7.40Y	123.3	0.04	1.73	12.32	9	88	24	96	0.03	0.0	4.533	0.080	7	2	1	11
PL.14911	PL.14910	A	6 A (CWC)	7.39Y	123.2	0.04	1.77	11.31	8	81	22	97	0.02	0.0	4.613	0.079	9	2	1	10
PL.14909	PL.14911	A	6 A (CWC)	7.39Y	123.2	0.06	1.82	10.09	7	72	19	97	0.03	0.0	4.737	0.124	0	0	0	9
PL.14312	PL.14909	A	6 A (CWC)	7.39Y	123.2	0.00	1.82	0.00	0	0	0	100	0.00	0.0	4.793	0.056	0	0	0	0
PL.14469	PL.14909	A	6 A (CWC)	7.39Y	123.1	0.05	1.88	10.09	7	72	19	97	0.03	0.0	4.851	0.115	0	0	0	9
PL.14408	PL.14469	A	6 A (CWC)	7.38Y	123.0	0.08	1.96	10.09	7	72	19	97	0.04	0.1	5.028	0.177	0	0	0	9
PL.14473	PL.14408	A	6 A (CWC)	7.38Y	123.0	0.05	2.01	10.09	7	72	19	97	0.02	0.0	5.143	0.115	12	3	2	9
PL.14907	PL.14473	A	6 A (CWC)	7.38Y	123.0	0.04	2.05	8.42	6	60	16	97	0.02	0.0	5.253	0.110	0	0	1	6
PL.14908	PL.14907	A	6 A (CWC)	7.37Y	122.9	0.04	2.09	8.42	6	60	16	97	0.02	0.0	5.364	0.111	0	0	0	5
PL.14314	PL.14908	A	#4 ACSR	7.37Y	122.9	0.00	2.09	1.15	1	8	2	97	0.00	0.0	5.434	0.070	8	2	1	1
PL.14475	PL.14908	A	6 A (CWC)	7.37Y	122.9	0.04	2.13	7.26	5	52	14	97	0.01	0.0	5.472	0.109	0	0	0	4
PL.14905	PL.14475	A	6 A (CWC)	7.37Y	122.8	0.03	2.16	7.26	5	52	14	97	0.01	0.0	5.568	0.096	8	2	1	4
PL.14906	PL.14905	A	6 A (CWC)	7.37Y	122.8	0.05	2.20	6.19	4	44	12	96	0.01	0.0	5.728	0.160	0	0	0	3
PL.14481	PL.14906	A	6 A (CWC)	7.37Y	122.8	0.01	2.21	2.87	2	20	5	97	0.00	0.0	5.804	0.076	0	0	0	2

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Balanced Voltage Drop Report
Source: Booneville

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.14316	PL.14481	A	#2 ACSR	7.37Y	122.8	0.01	2.22	1.10	1	8	2	97	0.00	0.0	5.950	0.146	0	0	0	1
PL.14903	PL.14316	A	#2 ACSR	7.37Y	122.8	0.00	2.22	1.10	1	8	2	97	0.00	0.0	6.059	0.109	0	0	0	1
PL.14904	PL.14903	A	#2 ACSR	7.37Y	122.8	0.00	2.22	1.10	1	8	2	97	0.00	0.0	6.103	0.044	8	2	1	1
PL.14478	PL.14481	A	6 A (CWC)	7.37Y	122.8	0.01	2.22	1.76	1	13	3	97	0.00	0.0	5.963	0.159	0	0	0	1
PL.14901	PL.14478	A	6 A (CWC)	7.37Y	122.8	0.00	2.23	1.76	1	13	3	97	0.00	0.0	6.023	0.060	0	0	0	1
PL.14902	PL.14901	A	6 A (CWC)	7.37Y	122.8	0.01	2.24	1.76	1	13	3	97	0.00	0.0	6.173	0.150	0	0	0	1
PL.14317	PL.14902	A	6 A (CWC)	7.37Y	122.8	0.01	2.25	1.76	1	13	3	97	0.00	0.0	6.345	0.172	13	3	1	1
PL.14315	PL.14906	A	#4 ACSR	7.37Y	122.8	0.00	2.20	3.33	3	24	6	97	0.00	0.0	5.757	0.029	24	6	1	1
PL.14313	PL.14473	A	#4 ACSR	7.38Y	123.0	0.00	2.01	0.00	0	0	0	100	0.00	0.0	5.199	0.056	0	0	1	1
PL.14310	PL.15081	A	6 A (CWC)	7.40Y	123.3	0.06	1.75	9.16	7	65	18	96	0.03	0.0	4.601	0.147	0	0	0	10
PL.14409	PL.14310	A	6 A (CWC)	7.39Y	123.2	0.07	1.81	9.16	7	65	18	96	0.03	0.0	4.761	0.160	0	0	0	10
PL.14410	PL.14409	A	6 A (CWC)	7.39Y	123.1	0.07	1.88	9.16	7	65	18	96	0.03	0.1	4.927	0.166	0	0	0	10
PL.14858	PL.14410	A	6 A (CWC)	7.38Y	123.1	0.04	1.93	9.16	7	65	18	96	0.02	0.0	5.044	0.117	13	4	1	10
PL.14859	PL.14858	A	6 A (CWC)	7.38Y	123.0	0.06	1.98	7.27	5	52	14	97	0.02	0.0	5.216	0.172	2	1	1	9
PL.14321	PL.14859	A	6 A (CWC)	7.38Y	123.0	0.00	1.98	1.07	1	8	2	97	0.00	0.0	5.255	0.040	0	0	0	1
PL.14320	PL.14321	A	#1/0 ACSR	7.38Y	123.0	0.00	1.99	1.07	0	8	2	97	0.00	0.0	5.367	0.111	8	2	1	1
PL.14318	PL.14859	A	6 A (CWC)	7.38Y	123.0	0.01	2.00	5.87	4	42	11	97	0.00	0.0	5.284	0.069	17	5	1	7
PL.14319	PL.14318	A	6 A (CWC)	7.38Y	123.0	0.01	2.00	3.43	2	24	7	96	0.00	0.0	5.317	0.033	1	0	1	6
PL.14856	PL.14319	A	6 A (CWC)	7.38Y	123.0	0.01	2.01	3.36	2	24	6	97	0.00	0.0	5.373	0.056	3	1	1	5
PL.14857	PL.14856	A	6 A (CWC)	7.38Y	123.0	0.02	2.03	2.88	2	21	6	96	0.00	0.0	5.515	0.142	0	0	0	4
PL.14465	PL.14857	A	6 A (CWC)	7.38Y	123.0	0.01	2.04	2.88	2	21	6	96	0.00	0.0	5.572	0.056	1	0	1	4
PL.25749	PL.14465	A	6 A (CWC)	7.38Y	123.0	0.00	2.04	2.79	2	20	5	97	0.00	0.0	5.596	0.025	12	3	1	3
PL.25748	PL.25749	A	6 A (CWC)	7.38Y	123.0	0.00	2.04	1.11	1	8	2	97	0.00	0.0	5.728	0.131	8	2	1	2
PL.14855	PL.25748	A	6 A (CWC)	7.38Y	123.0	0.00	2.04	0.03	0	0	0	100	0.00	0.0	5.880	0.152	0	0	0	1
PL.14411	PL.14855	A	6 A (CWC)	7.38Y	123.0	0.00	2.04	0.03	0	0	0	100	0.00	0.0	6.019	0.140	0	0	1	1
PL.15052	PL.14860	C	#1/0 ACSR	7.41Y	123.5	0.00	1.54	1.09	0	8	2	97	0.00	0.0	4.319	0.005	0	0	0	2
PD.2361	PL.15052	C	15T	7.41Y	123.5	0.00	1.54	1.09	0	8	2	97	0.00	0.0	4.319	0.005	0	0	0	2
PL.15053	PD.2361	C	#1/0 ACSR	7.41Y	123.5	0.00	1.54	1.09	0	8	2	97	0.00	0.0	4.341	0.022	8	2	2	2
PL.14306	PL.14474	C	#1/0 ACSR	7.41Y	123.5	0.00	1.45	1.03	0	7	2	96	0.00	0.0	3.875	0.011	0	0	0	2
PL.15000	PL.14306	C	#4 ACSR	7.41Y	123.5	0.00	1.45	1.03	1	7	2	96	0.00	0.0	3.879	0.005	0	0	0	2
PD.2335	PL.15000	C	15T	7.41Y	123.5	0.00	1.45	1.03	0	7	2	96	0.00	0.0	3.879	0.005	0	0	0	2

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Balanced Voltage Drop Report
Source: Booneville

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.15001	PD.2335	C	#4 ACSR	7.41Y	123.5	0.01	1.46	1.03	1	7	2	96	0.00	0.0	4.064	0.184	0	0	0	2
PL.14307	PL.15001	C	#4 ACSR	7.41Y	123.5	0.00	1.46	0.20	0	1	0	100	0.00	0.0	4.107	0.043	1	0	1	1
PL.14471	PL.15001	C	#4 ACSR	7.41Y	123.5	0.00	1.47	0.83	1	6	2	95	0.00	0.0	4.202	0.139	6	2	1	1
PL.15002	PL.14868	A	#1/0 ACSR	7.41Y	123.6	0.00	1.43	1.44	1	10	3	96	0.00	0.0	3.737	0.005	0	0	0	1
PD.2336	PL.15002	A	15T	7.41Y	123.6	0.00	1.43	1.44	0	10	3	96	0.00	0.0	3.737	0.005	0	0	0	1
PL.15003	PD.2336	A	#1/0 ACSR	7.41Y	123.6	0.00	1.43	1.44	1	10	3	96	0.00	0.0	3.750	0.013	10	3	1	1
PL.15006	PL.14872	C	#1/0 ACSR	7.42Y	123.6	0.00	1.36	0.93	0	7	2	96	0.00	0.0	3.442	0.005	0	0	0	2
PD.2338	PL.15006	C	15T	7.42Y	123.6	0.00	1.36	0.93	0	7	2	96	0.00	0.0	3.442	0.005	0	0	0	2
PL.15007	PD.2338	C	#1/0 ACSR	7.42Y	123.6	0.00	1.36	0.93	0	7	2	96	0.00	0.0	3.460	0.018	7	2	2	2
PL.15062	PL.14494	C	#4 ACSR	7.42Y	123.7	0.00	1.32	0.36	0	3	1	95	0.00	0.0	3.256	0.004	0	0	0	1
PD.2367	PL.15062	C	15T	7.42Y	123.7	0.00	1.32	0.36	0	3	1	95	0.00	0.0	3.256	0.004	0	0	0	1
PL.15063	PD.2367	C	#4 ACSR	7.42Y	123.7	0.00	1.32	0.36	0	3	1	95	0.00	0.0	3.271	0.015	3	1	1	1
PL.15008	PL.14874	A	#2 ACSR	7.42Y	123.7	0.00	1.30	0.78	0	6	1	99	0.00	0.0	3.164	0.004	0	0	0	1
PD.2339	PL.15008	A	15T	7.42Y	123.7	0.00	1.30	0.78	0	6	1	99	0.00	0.0	3.164	0.004	0	0	0	1
PL.15009	PD.2339	A	#2 ACSR	7.42Y	123.7	0.00	1.30	0.78	0	6	1	99	0.00	0.0	3.183	0.020	6	1	1	1
PL.15050	PL.14874	C	#2 ACSR	7.42Y	123.7	0.00	1.30	0.11	0	1	0	100	0.00	0.0	3.164	0.005	0	0	0	1
PD.2360	PL.15050	C	15T	7.42Y	123.7	0.00	1.30	0.11	0	1	0	100	0.00	0.0	3.164	0.005	0	0	0	1
PL.15051	PD.2360	C	#2 ACSR	7.42Y	123.7	0.00	1.30	0.11	0	1	0	100	0.00	0.0	3.174	0.009	1	0	1	1
PL.15010	PL.14878	A	#1/0 ACSR	7.43Y	123.8	0.00	1.25	3.02	1	22	6	96	0.00	0.0	2.963	0.005	0	0	0	2
PD.2340	PL.15010	A	15T	7.43Y	123.8	0.00	1.25	3.02	0	22	6	96	0.00	0.0	2.963	0.005	0	0	0	2
PL.15011	PD.2340	A	#1/0 ACSR	7.43Y	123.8	0.00	1.25	3.02	1	22	6	96	0.00	0.0	2.990	0.027	22	6	2	2
PL.15014	PL.14882	C	#1/0 ACSR	7.43Y	123.9	0.00	1.14	1.51	1	11	3	96	0.00	0.0	2.627	0.005	0	0	0	1
PD.2342	PL.15014	C	15T	7.43Y	123.9	0.00	1.14	1.51	0	11	3	96	0.00	0.0	2.627	0.005	0	0	0	1
PL.15015	PD.2342	C	#1/0 ACSR	7.43Y	123.9	0.00	1.14	1.51	1	11	3	96	0.00	0.0	2.636	0.010	11	3	1	1
PL.15016	PL.15085	C	#1/0 ACSR	7.44Y	124.0	0.00	1.03	3.07	1	22	6	96	0.00	0.0	2.313	0.005	0	0	0	5
PD.2343	PL.15016	C	15T	7.44Y	124.0	0.00	1.03	3.07	0	22	6	96	0.00	0.0	2.313	0.005	0	0	0	5
PL.15017	PD.2343	C	#1/0 ACSR	7.44Y	124.0	0.00	1.04	3.07	1	22	6	96	0.00	0.0	2.348	0.035	22	6	5	5
PL.14601	PL.14602	ABC	336 MCM AC	7.44Y	124.0	0.02	1.03	83.49	16	1787	529	96	0.22	0.0	2.276	0.037	0	0	0	312
PL.14600	PL.14601	ABC	336 MCM AC	7.43Y	123.9	0.07	1.10	82.35	16	1762	522	96	0.60	0.0	2.381	0.105	0	0	0	307
PL.14794	PL.14600	ABC	336 MCM AC	7.43Y	123.8	0.08	1.18	82.35	16	1761	521	96	0.75	0.0	2.513	0.132	14	4	4	307
PL.14795	PL.14794	ABC	336 MCM AC	7.43Y	123.8	0.03	1.21	81.69	16	1746	515	96	0.29	0.0	2.565	0.052	1	0	1	303

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Balanced Voltage Drop Report
Source: Booneville

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.14986	PL.14795	A	6 A (CWC)	7.43Y	123.8	0.00	1.21	1.77	1	13	3	97	0.00	0.0	2.569	0.004	0	0	0	1
PD.2328	PL.14986	A	65T	7.43Y	123.8	0.00	1.21	1.77	0	13	3	97	0.00	0.0	2.569	0.004	0	0	0	1
PL.14987	PD.2328	A	6 A (CWC)	7.43Y	123.8	0.01	1.22	1.77	1	13	3	97	0.00	0.0	2.731	0.161	13	3	1	1
PL.14595	PL.14795	ABC	336 MCM AC	7.42Y	123.7	0.06	1.27	80.34	15	1717	507	96	0.50	0.0	2.659	0.094	38	10	5	299
PL.14984	PL.14595	A	#4 ACSR	7.42Y	123.7	0.00	1.27	3.19	2	23	6	97	0.00	0.0	2.664	0.005	0	0	0	3
PD.2327	PL.14984	A	65T	7.42Y	123.7	0.00	1.27	3.19	0	23	6	97	0.00	0.0	2.664	0.005	0	0	0	3
PL.14985	PD.2327	A	#4 ACSR	7.42Y	123.7	0.00	1.27	3.19	2	23	6	97	0.00	0.0	2.684	0.021	0	0	1	3
PL.14793	PL.14985	A	#4 ACSR	7.42Y	123.7	0.00	1.28	3.19	2	23	6	97	0.00	0.0	2.730	0.046	23	6	2	2
PL.14527	PL.14595	ABC	336 MCM AC	7.42Y	123.7	0.04	1.30	77.52	15	1656	489	96	0.31	0.0	2.720	0.061	8	2	1	291
PL.14522	PL.14527	ABC	336 MCM AC	7.42Y	123.7	0.04	1.34	77.14	15	1647	486	96	0.33	0.0	2.787	0.067	0	0	0	290
PL.14791	PL.14522	ABC	336 MCM AC	7.42Y	123.6	0.04	1.39	77.14	15	1647	486	96	0.36	0.0	2.860	0.073	12	3	1	290
PL.14792	PL.14791	ABC	336 MCM AC	7.42Y	123.6	0.02	1.41	76.57	15	1634	482	96	0.19	0.0	2.899	0.039	0	0	0	289
PL.14704	PL.14792	ABC	336 MCM AC	7.41Y	123.6	0.03	1.44	74.02	14	1579	466	96	0.26	0.0	2.956	0.057	15	4	2	283
PL.14705	PL.14704	ABC	336 MCM AC	7.41Y	123.5	0.03	1.47	73.34	14	1564	462	96	0.27	0.0	3.015	0.060	0	0	0	281
PL.14520	PL.14705	ABC	336 MCM AC	7.41Y	123.5	0.05	1.52	72.78	14	1552	458	96	0.39	0.0	3.102	0.087	0	0	0	279
PL.14515	PL.14520	ABC	336 MCM AC	7.41Y	123.4	0.03	1.55	71.87	14	1532	452	96	0.26	0.0	3.162	0.060	0	0	0	275
PL.14930	PL.14515	C	6 A (CWC)	7.41Y	123.4	0.00	1.55	5.12	4	37	10	97	0.00	0.0	3.166	0.005	0	0	0	7
PD.2299	PL.14930	C	65T	7.41Y	123.4	0.00	1.55	5.12	0	37	10	97	0.00	0.0	3.166	0.005	0	0	0	7
PL.14931	PD.2299	C	6 A (CWC)	7.41Y	123.4	0.02	1.57	5.12	4	37	10	97	0.00	0.0	3.233	0.066	0	0	3	7
PL.14679	PL.14931	C	6 A (CWC)	7.41Y	123.4	0.00	1.57	3.47	2	25	7	96	0.00	0.0	3.270	0.037	19	5	1	2
PL.14680	PL.14679	C	6 A (CWC)	7.41Y	123.4	0.00	1.57	0.77	1	6	1	99	0.00	0.0	3.286	0.016	6	1	1	1
PL.14508	PL.14931	C	6 A (CWC)	7.41Y	123.4	0.00	1.57	1.65	1	12	3	97	0.00	0.0	3.288	0.055	12	3	2	2
PL.14513	PL.14515	ABC	336 MCM AC	7.40Y	123.4	0.05	1.61	70.16	14	1495	441	96	0.43	0.0	3.264	0.103	0	0	0	268
PL.14505	PL.14513	ABC	336 MCM AC	7.40Y	123.3	0.05	1.66	70.16	14	1495	440	96	0.42	0.0	3.366	0.102	2	1	1	268
PL.14677	PL.14505	ABC	336 MCM AC	7.40Y	123.3	0.05	1.71	69.80	13	1487	437	96	0.35	0.0	3.452	0.086	11	3	3	265
PL.14678	PL.14677	ABC	336 MCM AC	7.39Y	123.2	0.05	1.76	69.27	13	1475	433	96	0.41	0.0	3.553	0.100	0	0	0	262
PL.14296	PL.14678	ABC	#1/0 ACSR	7.39Y	123.2	0.00	1.76	7.16	3	143	68	90	0.00	0.0	3.598	0.046	143	68	2	2
PL.14506	PL.14678	ABC	336 MCM AC	7.39Y	123.2	0.01	1.77	62.21	12	1331	364	96	0.08	0.0	3.577	0.024	5	1	2	260
PL.14926	PL.14506	C	6 A (CWC)	7.39Y	123.2	0.00	1.77	8.55	6	61	16	97	0.00	0.0	3.581	0.005	0	0	0	12
PD.2297	PL.14926	C	65T	7.39Y	123.2	0.00	1.77	8.55	0	61	16	97	0.00	0.0	3.581	0.005	0	0	0	12
PL.14927	PD.2297	C	6 A (CWC)	7.39Y	123.2	0.02	1.79	8.55	6	61	16	97	0.01	0.0	3.634	0.052	16	4	2	12

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: Booneville

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.14676	PL.14927	C	6 A (CWC)	7.39Y	123.2	0.01	1.80	6.34	5	45	12	97	0.00	0.0	3.659	0.025	10	3	3	10
PL.14297	PL.14676	C	#4 ACSR	7.39Y	123.2	0.02	1.81	4.95	4	35	9	97	0.00	0.0	3.732	0.073	0	0	0	7
PL.14503	PL.14297	C	#4 ACSR	7.39Y	123.2	0.01	1.82	3.14	2	22	6	96	0.00	0.0	3.784	0.052	0	0	0	5
PL.14683	PL.14503	C	#4 ACSR	7.39Y	123.2	0.00	1.82	2.68	2	19	5	97	0.00	0.0	3.810	0.026	7	2	2	4
PL.14684	PL.14683	C	#4 ACSR	7.39Y	123.2	0.00	1.83	1.71	1	12	3	97	0.00	0.0	3.864	0.053	0	0	1	2
PL.14670	PL.14684	C	#4 ACSR	7.39Y	123.2	0.00	1.83	1.71	1	12	3	97	0.00	0.0	3.911	0.047	12	3	1	1
PL.14504	PL.14503	C	#4 ACSR	7.39Y	123.2	0.00	1.82	0.46	0	3	1	95	0.00	0.0	3.804	0.020	3	1	1	1
PL.14298	PL.14297	C	#4 ACSR	7.39Y	123.2	0.00	1.81	1.81	1	13	3	97	0.00	0.0	3.759	0.027	13	3	2	2
PL.14507	PL.14506	ABC	336 MCM AC	7.39Y	123.2	0.02	1.79	59.12	11	1265	346	96	0.11	0.0	3.613	0.036	0	0	0	246
PL.14510	PL.14507	ABC	336 MCM AC	7.39Y	123.2	0.02	1.80	59.12	11	1265	346	96	0.11	0.0	3.652	0.039	5	1	4	246
PL.14674	PL.14510	ABC	336 MCM AC	7.39Y	123.2	0.02	1.83	58.40	11	1249	342	96	0.15	0.0	3.706	0.054	19	5	5	241
PL.14675	PL.14674	ABC	336 MCM AC	7.39Y	123.2	0.02	1.84	57.49	11	1230	336	96	0.10	0.0	3.744	0.038	12	3	3	236
PL.14673	PL.14675	ABC	336 MCM AC	7.39Y	123.1	0.02	1.86	56.92	11	1217	332	96	0.10	0.0	3.782	0.038	34	9	3	233
PL.14702	PL.14673	ABC	336 MCM AC	7.39Y	123.1	0.03	1.89	55.34	11	1183	323	96	0.17	0.0	3.847	0.065	5	1	1	230
PL.14703	PL.14702	ABC	336 MCM AC	7.39Y	123.1	0.02	1.91	55.11	11	1178	321	96	0.14	0.0	3.900	0.053	8	2	1	229
PL.14701	PL.14703	ABC	336 MCM AC	7.38Y	123.1	0.02	1.93	54.76	11	1171	319	96	0.13	0.0	3.953	0.053	24	6	6	228
PL.14698	PL.14701	ABC	336 MCM AC	7.38Y	123.1	0.02	1.95	51.19	10	1094	298	96	0.09	0.0	3.996	0.043	0	0	0	210
PL.14699	PL.14698	ABC	336 MCM AC	7.38Y	123.0	0.02	1.97	51.19	10	1094	298	96	0.12	0.0	4.050	0.054	0	0	0	210
PL.14938	PL.14699	C	6 A (CWC)	7.38Y	123.0	0.00	1.97	8.16	6	58	16	96	0.00	0.0	4.055	0.005	0	0	0	9
PD.2303	PL.14938	C	65T	7.38Y	123.0	0.00	1.97	8.16	0	58	16	96	0.00	0.0	4.055	0.005	0	0	0	9
PL.14939	PD.2303	C	6 A (CWC)	7.38Y	123.0	0.01	1.98	8.16	6	58	16	96	0.00	0.0	4.099	0.044	30	8	5	9
PL.14697	PL.14939	C	6 A (CWC)	7.38Y	123.0	0.01	1.98	3.90	3	28	7	97	0.00	0.0	4.138	0.039	12	3	2	4
PL.14516	PL.14697	C	#4 ACSR	7.38Y	123.0	0.00	1.99	2.21	2	16	4	97	0.00	0.0	4.174	0.036	0	0	0	2
PL.14303	PL.14516	C	#4 ACSR	7.38Y	123.0	0.00	1.99	1.06	1	8	2	97	0.00	0.0	4.213	0.040	8	2	1	1
PL.14517	PL.14516	C	#4 ACSR	7.38Y	123.0	0.00	1.99	1.15	1	8	2	97	0.00	0.0	4.206	0.032	8	2	1	1
PL.14695	PL.14699	ABC	336 MCM AC	7.38Y	123.0	0.01	1.98	48.47	9	1036	282	96	0.07	0.0	4.085	0.035	44	12	4	201
PL.14696	PL.14695	ABC	336 MCM AC	7.38Y	123.0	0.02	2.00	46.40	9	991	270	96	0.10	0.0	4.142	0.057	33	9	5	197
PL.14523	PL.14696	ABC	336 MCM AC	7.38Y	123.0	0.01	2.01	44.84	9	958	261	96	0.07	0.0	4.181	0.039	10	3	4	192
PL.14300	PL.14523	C	#2 ACSR	7.38Y	123.0	0.00	2.01	1.57	1	11	3	96	0.00	0.0	4.212	0.032	11	3	2	2
PL.14525	PL.14523	ABC	336 MCM AC	7.38Y	123.0	0.01	2.02	43.84	8	936	255	96	0.06	0.0	4.219	0.038	22	6	3	186
PL.14693	PL.14525	ABC	336 MCM AC	7.38Y	123.0	0.01	2.03	41.58	8	888	242	96	0.04	0.0	4.244	0.025	7	2	1	178

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: Booneville

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.14694	PL.14693	ABC	336 MCM AC	7.38Y	123.0	0.01	2.04	41.24	8	881	240	96	0.07	0.0	4.292	0.048	4	1	2	177
PL.14687	PL.14694	ABC	336 MCM AC	7.38Y	122.9	0.01	2.06	41.06	8	877	239	96	0.06	0.0	4.331	0.039	0	0	0	175
PL.14932	PL.14687	C	#2 ACSR	7.38Y	122.9	0.00	2.06	2.17	1	15	4	97	0.00	0.0	4.335	0.005	0	0	0	2
PD.2300	PL.14932	C	65T	7.38Y	122.9	0.00	2.06	2.17	0	15	4	97	0.00	0.0	4.335	0.005	0	0	0	2
PL.14933	PD.2300	C	#2 ACSR	7.38Y	122.9	0.00	2.06	2.17	1	15	4	97	0.00	0.0	4.372	0.037	15	4	2	2
PL.14596	PL.14687	ABC	336 MCM AC	7.38Y	122.9	0.01	2.07	39.77	8	849	231	96	0.07	0.0	4.381	0.050	0	0	0	170
PL.14597	PL.14596	ABC	336 MCM AC	7.38Y	122.9	0.00	2.07	1.37	0	29	8	96	0.00	0.0	4.412	0.031	0	0	0	4
PL.14688	PL.14597	ABC	336 MCM AC	7.38Y	122.9	0.00	2.07	1.37	0	29	8	96	0.00	0.0	4.457	0.045	1	0	1	4
PL.14689	PL.14688	ABC	336 MCM AC	7.38Y	122.9	0.00	2.07	1.34	0	29	8	96	0.00	0.0	4.609	0.152	0	0	0	3
PL.14620	PL.14689	ABC	336 MCM AC	7.38Y	122.9	0.00	2.07	0.91	0	19	5	97	0.00	0.0	4.714	0.105	0	0	0	2
PL.14623	PL.14620	ABC	336 MCM AC	7.38Y	122.9	0.00	2.07	0.00	0	0	0	100	0.00	0.0	4.825	0.111	0	0	0	1
PL.15048	PL.14623	C	#2 ACSR	7.38Y	122.9	0.00	2.07	0.00	0	0	0	100	0.00	0.0	4.829	0.005	0	0	0	1
PD.2359	PL.15048	C	65T	7.38Y	122.9	0.00	2.07	0.00	0	0	0	100	0.00	0.0	4.829	0.005	0	0	0	1
PL.15049	PD.2359	C	#2 ACSR	7.38Y	122.9	0.00	2.07	0.00	0	0	0	100	0.00	0.0	4.900	0.071	0	0	1	1
PL.14624	PL.14623	ABC	336 MCM AC	7.38Y	122.9	0.00	2.07	0.00	0	0	0	100	0.00	0.0	4.908	0.083	0	0	0	0
PL.12997	PL.14624	ABC	#2 ACSR	7.38Y	122.9	0.00	2.07	0.00	0	0	0	100	0.00	0.0	4.912	0.005	0	0	0	0
PD.2221-B	PL.12997	ABC	Open	7.38Y	122.9	0.00	2.07	0.00	0	0	0	100	0.00	0.0	4.912	0.005	0	0	0	0
PL.14936	PL.14620	A	6 A (CWC)	7.38Y	122.9	0.00	2.07	2.72	2	19	5	97	0.00	0.0	4.718	0.005	0	0	0	1
PD.2302	PL.14936	A	65T	7.38Y	122.9	0.00	2.07	2.72	0	19	5	97	0.00	0.0	4.718	0.005	0	0	0	1
PL.14937	PD.2302	A	6 A (CWC)	7.38Y	122.9	0.00	2.08	2.72	2	19	5	97	0.00	0.0	4.779	0.060	19	5	1	1
PL.14934	PL.14689	A	6 A (CWC)	7.38Y	122.9	0.00	2.07	1.29	1	9	2	98	0.00	0.0	4.614	0.005	0	0	0	1
PD.2301	PL.14934	A	65T	7.38Y	122.9	0.00	2.07	1.29	0	9	2	98	0.00	0.0	4.614	0.005	0	0	0	1
PL.14935	PD.2301	A	6 A (CWC)	7.38Y	122.9	0.00	2.07	1.29	1	9	2	98	0.00	0.0	4.642	0.028	9	2	1	1
PL.15086	PL.14596	ABC	#1/0 ACSR	7.37Y	122.9	0.03	2.10	38.40	17	820	223	96	0.19	0.0	4.430	0.049	0	0	0	166
PD.2378	PL.15086	ABC	70L	7.37Y	122.9	0.00	2.10	38.40	55	820	223	96	0.00	0.0	4.430	0.049	0	0	0	166
PL.15087	PD.2378	ABC	#1/0 ACSR	7.37Y	122.9	0.02	2.12	38.40	17	820	223	96	0.12	0.0	4.460	0.030	0	0	1	166
PL.14685	PL.15087	B	#2 ACSR	7.37Y	122.9	0.00	2.13	1.24	1	9	2	98	0.00	0.0	4.477	0.017	9	2	1	2
PL.14686	PL.14685	B	#2 ACSR	7.37Y	122.9	0.00	2.13	0.01	0	0	0	100	0.00	0.0	4.504	0.027	0	0	1	1
PL.14529	PL.15087	ABC	#1/0 ACSR	7.37Y	122.8	0.05	2.17	37.97	17	810	220	97	0.27	0.0	4.530	0.071	0	0	0	163
PL.14524	PL.14529	ABC	#1/0 ACSR	7.37Y	122.8	0.06	2.24	37.97	17	810	220	97	0.35	0.0	4.621	0.090	0	0	0	163
PL.14533	PL.14524	ABC	#1/0 ACSR	7.36Y	122.7	0.07	2.30	28.27	12	603	164	96	0.28	0.0	4.755	0.135	4	1	1	115

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: Booneville

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.14534	PL.14533	ABC	#1/0 ACSR	7.36Y	122.7	0.03	2.33	28.10	12	599	163	96	0.11	0.0	4.806	0.051	0	0	0	114
PL.14535	PL.14534	ABC	#1/0 ACSR	7.36Y	122.6	0.02	2.35	28.10	12	599	163	96	0.09	0.0	4.850	0.044	0	0	1	114
PL.14536	PL.14535	ABC	#1/0 ACSR	7.36Y	122.6	0.02	2.37	28.08	12	598	162	97	0.09	0.0	4.892	0.042	6	2	1	113
PL.14537	PL.14536	ABC	#1/0 ACSR	7.36Y	122.6	0.02	2.39	27.82	12	593	161	97	0.08	0.0	4.933	0.041	0	0	0	112
PL.14335	PL.14537	A	#4 ACSR	7.36Y	122.6	0.00	2.39	1.53	1	11	3	96	0.00	0.0	4.951	0.018	11	3	1	1
PL.14538	PL.14537	ABC	#1/0 ACSR	7.35Y	122.6	0.03	2.42	27.31	12	582	158	97	0.11	0.0	4.991	0.058	15	4	2	111
PL.14539	PL.14538	ABC	#1/0 ACSR	7.35Y	122.6	0.02	2.44	26.59	12	566	154	96	0.08	0.0	5.034	0.042	6	2	1	109
PL.14502	PL.14539	ABC	#1/0 ACSR	7.35Y	122.5	0.02	2.46	26.29	11	560	152	97	0.07	0.0	5.073	0.039	0	0	0	108
PL.14824	PL.14502	ABC	#1/0 ACSR	7.35Y	122.5	0.01	2.47	21.57	9	459	125	96	0.05	0.0	5.112	0.039	16	4	2	87
PL.14825	PL.14824	ABC	#1/0 ACSR	7.35Y	122.5	0.02	2.49	20.83	9	443	120	97	0.05	0.0	5.153	0.041	6	2	1	85
PL.14826	PL.14825	ABC	#1/0 ACSR	7.35Y	122.5	0.01	2.50	20.54	9	437	119	96	0.04	0.0	5.191	0.038	4	1	1	84
PL.14827	PL.14826	ABC	#1/0 ACSR	7.35Y	122.5	0.02	2.52	20.36	9	433	118	96	0.06	0.0	5.245	0.054	0	0	0	83
PL.14828	PL.14827	ABC	#1/0 ACSR	7.35Y	122.5	0.01	2.54	20.36	9	433	118	96	0.04	0.0	5.281	0.036	5	1	1	83
PL.14829	PL.14828	ABC	#1/0 ACSR	7.35Y	122.4	0.02	2.56	20.11	9	428	116	97	0.06	0.0	5.338	0.057	0	0	0	82
PL.14830	PL.14829	ABC	#1/0 ACSR	7.35Y	122.4	0.02	2.58	19.63	9	418	113	97	0.06	0.0	5.399	0.061	2	1	1	81
PL.14831	PL.14830	ABC	#1/0 ACSR	7.34Y	122.4	0.02	2.60	19.52	8	415	113	96	0.05	0.0	5.451	0.053	0	0	0	80
PL.14832	PL.14831	ABC	#1/0 ACSR	7.34Y	122.4	0.03	2.63	19.52	8	415	113	96	0.10	0.0	5.551	0.100	4	1	1	80
PL.14833	PL.14832	ABC	#1/0 ACSR	7.34Y	122.3	0.04	2.68	19.32	8	411	111	97	0.13	0.0	5.682	0.130	7	2	2	79
PL.14834	PL.14833	ABC	#1/0 ACSR	7.34Y	122.3	0.02	2.70	18.97	8	403	109	97	0.06	0.0	5.748	0.066	0	0	1	77
PL.14835	PL.14834	ABC	#1/0 ACSR	7.34Y	122.3	0.03	2.73	18.95	8	403	109	97	0.10	0.0	5.850	0.102	4	1	1	76
PL.14836	PL.14835	ABC	#1/0 ACSR	7.33Y	122.2	0.02	2.76	18.76	8	398	108	97	0.06	0.0	5.916	0.067	1	0	2	75
PL.14837	PL.14836	ABC	#1/0 ACSR	7.33Y	122.2	0.03	2.79	18.69	8	397	107	97	0.08	0.0	6.004	0.088	8	2	1	73
PL.14838	PL.14837	ABC	#1/0 ACSR	7.33Y	122.2	0.02	2.81	18.31	8	389	105	97	0.06	0.0	6.069	0.065	0	0	0	72
PL.14990	PL.14838	C	#2 ACSR	7.33Y	122.2	0.00	2.81	0.03	0	0	0	100	0.00	0.0	6.074	0.005	0	0	0	1
PD.2330	PL.14990	C	20T	7.33Y	122.2	0.00	2.81	0.03	0	0	0	100	0.00	0.0	6.074	0.005	0	0	0	1
PL.14991	PD.2330	C	#2 ACSR	7.33Y	122.2	0.00	2.81	0.03	0	0	0	100	0.00	0.0	6.115	0.041	0	0	1	1
PL.14472	PL.14838	ABC	#1/0 ACSR	7.33Y	122.2	0.04	2.84	18.30	8	388	105	97	0.10	0.0	6.182	0.113	2	1	1	71
PL.14992	PL.14472	C	#2 ACSR	7.33Y	122.2	0.00	2.85	5.89	3	42	11	97	0.00	0.0	6.187	0.005	0	0	0	4
PD.2331	PL.14992	C	20T	7.33Y	122.2	0.00	2.85	5.89	0	42	11	97	0.00	0.0	6.187	0.005	0	0	0	4
PL.14993	PD.2331	C	#2 ACSR	7.33Y	122.1	0.02	2.86	5.89	3	42	11	97	0.00	0.0	6.300	0.114	23	6	2	4
PL.14840	PL.14993	C	#2 ACSR	7.33Y	122.1	0.00	2.86	2.59	1	18	5	96	0.00	0.0	6.343	0.042	0	0	1	2

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

Balanced Voltage Drop Report
Source: Booneville

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.14839	PL.14840	C	#2 ACSR	7.33Y	122.1	0.01	2.87	2.54	1	18	5	96	0.00	0.0	6.486	0.143	18	5	1	1
PL.14470	PL.14472	ABC	#1/0 ACSR	7.33Y	122.1	0.02	2.86	16.23	7	344	93	97	0.04	0.0	6.245	0.063	0	0	0	66
PL.14338	PL.14470	C	#4 ACSR	7.33Y	122.1	0.00	2.86	0.57	0	4	1	97	0.00	0.0	6.277	0.032	4	1	1	1
PL.14468	PL.14470	ABC	#1/0 ACSR	7.33Y	122.1	0.05	2.91	16.04	7	340	92	97	0.11	0.0	6.411	0.166	0	0	0	65
PL.14841	PL.14468	ABC	#1/0 ACSR	7.32Y	122.1	0.01	2.92	15.80	7	335	91	97	0.03	0.0	6.449	0.038	5	1	1	64
PL.14842	PL.14841	ABC	#1/0 ACSR	7.32Y	122.1	0.02	2.94	15.57	7	330	89	97	0.04	0.0	6.509	0.059	17	5	1	63
PL.14843	PL.14842	ABC	#1/0 ACSR	7.32Y	122.0	0.04	2.98	14.04	6	298	80	97	0.08	0.0	6.664	0.155	14	4	1	61
PL.14844	PL.14843	ABC	#1/0 ACSR	7.32Y	122.0	0.02	3.00	13.36	6	283	77	96	0.04	0.0	6.754	0.090	8	2	2	60
PL.14845	PL.14844	ABC	#1/0 ACSR	7.32Y	122.0	0.02	3.02	12.98	6	275	74	97	0.04	0.0	6.855	0.101	7	2	2	58
PL.14846	PL.14845	ABC	#1/0 ACSR	7.32Y	121.9	0.04	3.06	12.64	5	268	72	97	0.08	0.0	7.041	0.186	0	0	1	56
PL.14847	PL.14846	ABC	#1/0 ACSR	7.31Y	121.9	0.03	3.09	12.64	5	268	72	97	0.05	0.0	7.165	0.124	0	0	0	55
PL.14426	PL.14847	ABC	#1/0 ACSR	7.31Y	121.9	0.02	3.12	12.64	5	268	72	97	0.05	0.0	7.274	0.109	0	0	0	55
PL.14427	PL.14426	ABC	#1/0 ACSR	7.31Y	121.9	0.02	3.14	12.64	5	268	72	97	0.04	0.0	7.374	0.100	0	0	0	55
PL.14428	PL.14427	ABC	#1/0 ACSR	7.31Y	121.8	0.02	3.16	12.64	5	268	72	97	0.05	0.0	7.480	0.106	0	0	0	55
PL.14461	PL.14428	ABC	#1/0 ACSR	7.31Y	121.8	0.01	3.17	12.64	5	268	72	97	0.02	0.0	7.535	0.055	0	0	0	55
PL.14462	PL.14461	ABC	#1/0 ACSR	7.31Y	121.8	0.02	3.20	12.05	5	255	69	97	0.04	0.0	7.644	0.109	0	0	0	54
PL.14429	PL.14462	ABC	#1/0 ACSR	7.31Y	121.8	0.02	3.22	12.05	5	255	69	97	0.04	0.0	7.758	0.114	0	0	0	54
PL.14459	PL.14429	ABC	#1/0 ACSR	7.31Y	121.8	0.01	3.24	12.05	5	255	69	97	0.02	0.0	7.818	0.060	0	0	0	54
PL.14340	PL.14459	A	#4 ACSR	7.31Y	121.8	0.00	3.24	1.13	1	8	2	97	0.00	0.0	7.850	0.032	8	2	1	1
PL.14460	PL.14459	ABC	#1/0 ACSR	7.30Y	121.7	0.03	3.27	11.67	5	247	66	97	0.06	0.0	7.976	0.158	3	1	1	53
PL.14848	PL.14460	ABC	#1/0 ACSR	7.30Y	121.7	0.03	3.30	11.54	5	244	66	97	0.05	0.0	8.118	0.142	2	0	1	52
PL.14849	PL.14848	ABC	#1/0 ACSR	7.30Y	121.7	0.02	3.32	11.46	5	242	65	97	0.03	0.0	8.218	0.099	0	0	0	51
PL.15070	PL.14849	A	6 A (CWC)	7.30Y	121.7	0.00	3.32	10.88	8	77	21	96	0.00	0.0	8.220	0.003	0	0	0	16
PD.2371	PL.15070	A	35L	7.30Y	121.7	0.00	3.32	10.88	31	77	21	96	0.00	0.0	8.220	0.003	0	0	0	16
PL.15071	PD.2371	A	6 A (CWC)	7.30Y	121.7	0.02	3.34	10.88	8	77	21	96	0.01	0.0	8.259	0.038	7	2	1	16
PL.14343	PL.15071	A	#4 ACSR	7.30Y	121.7	0.00	3.34	0.06	0	0	0	100	0.00	0.0	8.307	0.048	0	0	2	2
PL.14452	PL.15071	A	6 A (CWC)	7.30Y	121.6	0.04	3.38	9.82	7	69	19	96	0.02	0.0	8.344	0.085	0	0	0	13
PL.14457	PL.14452	A	6 A (CWC)	7.30Y	121.6	0.04	3.42	9.82	7	69	19	96	0.02	0.0	8.430	0.086	1	0	1	13
PL.14455	PL.14457	A	#4 ACSR	7.29Y	121.6	0.03	3.44	5.44	4	38	10	97	0.01	0.0	8.552	0.122	0	0	0	7
PL.14456	PL.14455	A	#4 ACSR	7.29Y	121.5	0.01	3.46	2.74	2	19	5	97	0.00	0.0	8.651	0.099	0	0	0	5
PL.14454	PL.14456	A	#4 ACSR	7.29Y	121.5	0.01	3.46	1.85	1	13	4	96	0.00	0.0	8.740	0.089	5	1	1	4

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Balanced Voltage Drop Report
Source: Booneville

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.14342	PL.14454	A	#4 ACSR	7.29Y	121.5	0.01	3.47	1.09	1	8	2	97	0.00	0.0	8.875	0.135	0	0	0	3
PL.14430	PL.14342	A	#4 ACSR	7.29Y	121.5	0.00	3.47	1.09	1	8	2	97	0.00	0.0	8.954	0.079	0	0	0	3
PL.14666	PL.14430	A	#4 ACSR	7.29Y	121.5	0.00	3.48	1.09	1	8	2	97	0.00	0.0	9.073	0.120	7	2	1	3
PL.14667	PL.14666	A	#4 ACSR	7.29Y	121.5	0.00	3.48	0.04	0	0	0	100	0.00	0.0	9.120	0.047	0	0	1	2
PL.14453	PL.14667	A	#4 ACSR	7.29Y	121.5	0.00	3.48	0.00	0	0	0	100	0.00	0.0	9.288	0.168	0	0	0	0
PL.14431	PL.14453	A	#4 ACSR	7.29Y	121.5	0.00	3.48	0.00	0	0	0	100	0.00	0.0	9.409	0.121	0	0	0	0
PL.14345	PL.14667	A	#4 ACSR	7.29Y	121.5	0.00	3.48	0.02	0	0	0	100	0.00	0.0	9.159	0.039	0	0	1	1
PL.14344	PL.14456	A	#4 ACSR	7.29Y	121.5	0.00	3.46	0.89	1	6	2	95	0.00	0.0	8.694	0.043	6	2	1	1
PL.14661	PL.14455	A	#4 ACSR	7.29Y	121.6	0.00	3.45	2.70	2	19	5	97	0.00	0.0	8.604	0.052	9	2	1	2
PL.14662	PL.14661	A	#4 ACSR	7.29Y	121.5	0.00	3.45	1.39	1	10	3	96	0.00	0.0	8.628	0.024	10	3	1	1
PL.14458	PL.14457	A	6 A (CWC)	7.29Y	121.6	0.02	3.43	4.21	3	30	8	97	0.00	0.0	8.511	0.081	0	0	0	5
PL.14663	PL.14458	A	6 A (CWC)	7.29Y	121.5	0.02	3.45	4.21	3	30	8	97	0.00	0.0	8.636	0.126	9	2	1	5
PL.14664	PL.14663	A	6 A (CWC)	7.29Y	121.5	0.02	3.47	2.96	2	21	6	96	0.00	0.0	8.759	0.122	0	0	0	4
PL.14850	PL.14664	A	6 A (CWC)	7.29Y	121.5	0.01	3.47	2.62	2	18	5	96	0.00	0.0	8.822	0.063	5	1	1	2
PL.14851	PL.14850	A	6 A (CWC)	7.29Y	121.5	0.01	3.48	1.93	1	14	4	96	0.00	0.0	9.006	0.183	14	4	1	1
PL.14665	PL.14851	A	6 A (CWC)	7.29Y	121.5	0.00	3.48	0.00	0	0	0	100	0.00	0.0	9.112	0.107	0	0	0	0
PL.14852	PL.14664	A	#4 ACSR	7.29Y	121.5	0.00	3.47	0.33	0	2	1	89	0.00	0.0	8.782	0.023	2	1	1	2
PL.27920	PL.14852	A	#4 ACSR	7.29Y	121.5	0.00	3.47	0.03	0	0	0	100	0.00	0.0	8.837	0.055	0	0	1	1
PL.27921	PL.27920	A	#4 ACSR	7.29Y	121.5	0.00	3.47	0.00	0	0	0	100	0.00	0.0	8.943	0.106	0	0	0	0
PL.14341	PL.14849	ABC	#1/0 ACSR	7.30Y	121.7	0.00	3.32	7.83	3	166	45	97	0.00	0.0	8.239	0.021	0	0	0	35
PL.15072	PL.14341	ABC	#1/0 ACSR	7.30Y	121.7	0.01	3.33	7.83	3	166	45	97	0.01	0.0	8.286	0.047	0	0	0	35
PD.2372	PL.15072	ABC	35L	7.30Y	121.7	0.00	3.33	7.83	22	166	45	97	0.00	0.0	8.286	0.047	0	0	0	35
PL.15073	PD.2372	ABC	#1/0 ACSR	7.30Y	121.7	0.01	3.34	7.83	3	166	45	97	0.01	0.0	8.360	0.074	0	0	0	35
PL.14451	PL.15073	ABC	#1/0 ACSR	7.30Y	121.7	0.01	3.35	7.30	3	154	42	96	0.01	0.0	8.436	0.076	0	0	0	33
PL.14348	PL.14451	C	#1/0 ACSR	7.30Y	121.7	0.00	3.35	0.79	0	6	1	99	0.00	0.0	8.463	0.027	6	1	1	1
PL.14347	PL.14451	ABC	#1/0 ACSR	7.30Y	121.6	0.00	3.35	7.04	3	149	40	97	0.00	0.0	8.460	0.024	11	3	1	32
PL.14650	PL.14347	ABC	#1/0 ACSR	7.30Y	121.6	0.01	3.36	6.51	3	138	37	97	0.01	0.0	8.535	0.075	9	2	1	31
PL.14651	PL.14650	ABC	#1/0 ACSR	7.30Y	121.6	0.01	3.37	6.08	3	129	35	97	0.01	0.0	8.664	0.128	0	0	0	30
PL.14648	PL.14651	ABC	#1/0 ACSR	7.30Y	121.6	0.01	3.38	4.76	2	101	27	97	0.01	0.0	8.753	0.090	7	2	1	21
PL.14649	PL.14648	ABC	#1/0 ACSR	7.30Y	121.6	0.01	3.39	4.41	2	93	25	97	0.00	0.0	8.828	0.075	0	0	0	20
PL.14355	PL.14649	ABC	#1/0 ACSR	7.30Y	121.6	0.00	3.39	4.41	2	93	25	97	0.00	0.0	8.843	0.015	5	1	2	20

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Balanced Voltage Drop Report
Source: Booneville

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.14356	PL.14355	ABC	#1/0 ACSR	7.30Y	121.6	0.01	3.39	4.19	2	89	24	97	0.00	0.0	8.917	0.073	0	0	0	18
PL.14646	PL.14356	ABC	#1/0 ACSR	7.30Y	121.6	0.01	3.40	4.19	2	89	24	97	0.01	0.0	9.036	0.120	0	0	0	18
PL.14647	PL.14646	ABC	#1/0 ACSR	7.30Y	121.6	0.00	3.41	4.19	2	89	24	97	0.00	0.0	9.086	0.049	8	2	1	18
PL.14645	PL.14647	ABC	#1/0 ACSR	7.30Y	121.6	0.01	3.41	3.80	2	80	22	96	0.00	0.0	9.162	0.077	0	0	0	17
PL.14357	PL.14645	ABC	#1/0 ACSR	7.29Y	121.6	0.01	3.42	2.70	1	57	15	97	0.00	0.0	9.331	0.169	0	0	0	14
PL.14435	PL.14357	ABC	#1/0 ACSR	7.29Y	121.6	0.00	3.42	2.70	1	57	15	97	0.00	0.0	9.410	0.078	0	0	0	14
PL.14436	PL.14435	ABC	#1/0 ACSR	7.29Y	121.6	0.01	3.43	2.70	1	57	15	97	0.00	0.0	9.521	0.112	6	2	1	14
PL.14359	PL.14436	C	#2 ACSR	7.29Y	121.6	0.00	3.43	0.00	0	0	0	100	0.00	0.0	9.555	0.033	0	0	0	0
PL.14358	PL.14436	C	#4 ACSR	7.29Y	121.6	0.00	3.43	1.05	1	7	2	96	0.00	0.0	9.580	0.059	7	2	1	1
PL.14450	PL.14436	ABC	#1/0 ACSR	7.29Y	121.6	0.00	3.43	2.06	1	43	12	96	0.00	0.0	9.566	0.045	0	0	0	12
PL.14643	PL.14450	C	#1/0 ACSR	7.29Y	121.6	0.00	3.43	1.30	1	9	2	98	0.00	0.0	9.592	0.026	4	1	2	4
PL.14644	PL.14643	C	#1/0 ACSR	7.29Y	121.6	0.00	3.43	0.67	0	5	1	98	0.00	0.0	9.638	0.047	0	0	1	2
PL.14642	PL.14644	C	#1/0 ACSR	7.29Y	121.6	0.00	3.43	0.65	0	5	1	98	0.00	0.0	9.818	0.179	5	1	1	1
PL.14640	PL.14450	ABC	#1/0 ACSR	7.29Y	121.6	0.00	3.43	1.62	1	34	9	97	0.00	0.0	9.616	0.050	15	4	1	8
PL.14641	PL.14640	ABC	#1/0 ACSR	7.29Y	121.6	0.00	3.43	0.92	0	19	5	97	0.00	0.0	9.775	0.160	0	0	0	7
PL.14437	PL.14641	ABC	#1/0 ACSR	7.29Y	121.6	0.00	3.44	0.92	0	19	5	97	0.00	0.0	9.921	0.146	0	0	0	7
PL.14438	PL.14437	ABC	#1/0 ACSR	7.29Y	121.6	0.00	3.44	0.92	0	19	5	97	0.00	0.0	9.995	0.074	6	2	1	7
PL.14448	PL.14438	ABC	#1/0 ACSR	7.29Y	121.6	0.00	3.44	0.63	0	13	4	96	0.00	0.0	10.051	0.057	0	0	0	6
PL.14360	PL.14448	C	6 A (CWC)	7.29Y	121.6	0.00	3.44	0.30	0	2	1	89	0.00	0.0	10.179	0.128	0	0	0	2
PL.14446	PL.14360	C	#4 ACSR	7.29Y	121.6	0.00	3.44	0.30	0	2	1	89	0.00	0.0	10.243	0.064	0	0	0	1
PL.14361	PL.14446	C	#4 ACSR	7.29Y	121.6	0.00	3.44	0.30	0	2	1	89	0.00	0.0	10.291	0.048	2	1	1	1
PL.14447	PL.14446	C	#4 ACSR	7.29Y	121.6	0.00	3.44	0.00	0	0	0	100	0.00	0.0	10.374	0.131	0	0	0	0
PL.14439	PL.14447	C	#4 ACSR	7.29Y	121.6	0.00	3.44	0.00	0	0	0	100	0.00	0.0	10.446	0.072	0	0	0	0
PL.14362	PL.14360	C	6 A (CWC)	7.29Y	121.6	0.00	3.44	0.00	0	0	0	100	0.00	0.0	10.247	0.067	0	0	1	1
PL.14449	PL.14448	ABC	#1/0 ACSR	7.29Y	121.6	0.00	3.44	0.53	0	11	3	96	0.00	0.0	10.081	0.030	0	0	0	4
PL.14363	PL.14449	ABC	#1/0 ACSR	7.29Y	121.6	0.00	3.44	0.41	0	9	2	98	0.00	0.0	10.241	0.160	0	0	0	2
PL.14445	PL.14363	ABC	#1/0 ACSR	7.29Y	121.6	0.00	3.44	0.41	0	9	2	98	0.00	0.0	10.369	0.127	0	0	0	2
PL.14364	PL.14445	C	6 A (CWC)	7.29Y	121.6	0.01	3.45	1.24	1	9	2	98	0.00	0.0	10.477	0.108	0	0	0	2
PL.14443	PL.14364	C	6 A (CWC)	7.29Y	121.5	0.01	3.45	1.24	1	9	2	98	0.00	0.0	10.593	0.117	0	0	0	2
PL.14442	PL.14443	C	6 A (CWC)	7.29Y	121.5	0.01	3.46	1.24	1	9	2	98	0.00	0.0	10.762	0.168	0	0	0	2
PL.14636	PL.14442	C	6 A (CWC)	7.29Y	121.5	0.01	3.47	1.24	1	9	2	98	0.00	0.0	10.936	0.175	5	1	1	2

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Balanced Voltage Drop Report
Source: Booneville

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.14637	PL.14636	C	6 A (CWC)	7.29Y	121.5	0.00	3.47	0.51	0	4	1	97	0.00	0.0	11.123	0.187	0	0	0	1
PL.14444	PL.14637	C	6 A (CWC)	7.29Y	121.5	0.00	3.48	0.51	0	4	1	97	0.00	0.0	11.302	0.178	4	1	1	1
PL.14638	PL.14445	ABC	#1/0 ACSR	7.29Y	121.6	0.00	3.44	0.00	0	0	0	100	0.00	0.0	10.426	0.058	0	0	0	0
PL.14639	PL.14638	ABC	#1/0 ACSR	7.29Y	121.6	0.00	3.44	0.00	0	0	0	100	0.00	0.0	10.568	0.142	0	0	0	0
PL.14440	PL.14639	ABC	#1/0 ACSR	7.29Y	121.6	0.00	3.44	0.00	0	0	0	100	0.00	0.0	10.722	0.154	0	0	0	0
PL.14441	PL.14440	ABC	#1/0 ACSR	7.29Y	121.6	0.00	3.44	0.00	0	0	0	100	0.00	0.0	10.806	0.084	0	0	0	0
PD.2951-A	PL.14441	ABC	Open	7.29Y	121.6	0.00	3.44	0.00	0	0	0	100	0.00	0.0	10.806	0.084	0	0	0	0
PL.14365	PL.14449	C	#2 ACSR	7.29Y	121.6	0.00	3.44	0.33	0	2	1	89	0.00	0.0	10.103	0.022	2	1	2	2
PL.14653	PL.14645	C	6 A (CWC)	7.29Y	121.6	0.01	3.42	3.30	2	23	6	97	0.00	0.0	9.235	0.073	0	0	1	3
PL.14654	PL.14653	C	6 A (CWC)	7.29Y	121.6	0.00	3.43	3.30	2	23	6	97	0.00	0.0	9.294	0.059	23	6	2	2
PL.14922	PL.14651	C	8 A (CWC)	7.30Y	121.6	0.00	3.38	3.97	4	28	8	96	0.00	0.0	8.668	0.004	0	0	0	9
PD.2295	PL.14922	C	15T	7.30Y	121.6	0.00	3.38	3.97	0	28	8	96	0.00	0.0	8.668	0.004	0	0	0	9
PL.14923	PD.2295	C	8 A (CWC)	7.30Y	121.6	0.01	3.39	3.97	4	28	8	96	0.00	0.0	8.722	0.054	10	3	2	9
PL.14652	PL.14923	C	8 A (CWC)	7.30Y	121.6	0.01	3.40	2.49	2	18	5	96	0.00	0.0	8.800	0.078	0	0	0	7
PL.14655	PL.14652	C	8 A (CWC)	7.29Y	121.6	0.02	3.42	2.49	2	18	5	96	0.00	0.0	8.939	0.139	1	0	2	7
PL.14656	PL.14655	C	8 A (CWC)	7.29Y	121.6	0.01	3.44	2.30	2	16	4	97	0.00	0.0	9.031	0.092	2	1	2	5
PL.14349	PL.14656	C	8 A (CWC)	7.29Y	121.6	0.01	3.45	1.99	2	14	4	96	0.00	0.0	9.170	0.139	10	3	1	3
PL.14350	PL.14349	C	8 A (CWC)	7.29Y	121.5	0.00	3.45	0.57	1	4	1	97	0.00	0.0	9.249	0.079	0	0	0	2
PL.14432	PL.14350	C	8 A (CWC)	7.29Y	121.5	0.01	3.46	0.57	1	4	1	97	0.00	0.0	9.420	0.171	0	0	0	2
PL.14433	PL.14432	C	8 A (CWC)	7.29Y	121.5	0.00	3.46	0.57	1	4	1	97	0.00	0.0	9.474	0.054	0	0	0	2
PL.14657	PL.14433	C	#2 ACSR	7.29Y	121.5	0.00	3.46	0.57	0	4	1	97	0.00	0.0	9.641	0.167	0	0	0	2
PL.14658	PL.14657	C	#2 ACSR	7.29Y	121.5	0.00	3.46	0.57	0	4	1	97	0.00	0.0	9.761	0.121	0	0	0	2
PL.14659	PL.14658	C	#2 ACSR	7.29Y	121.5	0.00	3.47	0.57	0	4	1	97	0.00	0.0	9.917	0.156	2	1	1	2
PL.14660	PL.14659	C	#2 ACSR	7.29Y	121.5	0.00	3.47	0.23	0	2	0	100	0.00	0.0	10.029	0.112	0	0	0	1
PL.14434	PL.14660	C	#2 ACSR	7.29Y	121.5	0.00	3.47	0.23	0	2	0	100	0.00	0.0	10.114	0.085	0	0	0	1
PL.14351	PL.14434	C	#2 ACSR	7.29Y	121.5	0.00	3.47	0.23	0	2	0	100	0.00	0.0	10.200	0.085	2	0	1	1
PL.14346	PL.15073	C	6 A (CWC)	7.30Y	121.7	0.00	3.34	1.59	1	11	3	96	0.00	0.0	8.372	0.013	11	3	2	2
PL.14996	PL.14461	C	#2 ACSR	7.31Y	121.8	0.00	3.18	1.76	1	12	3	97	0.00	0.0	7.540	0.005	0	0	0	1
PD.2333	PL.14996	C	20T	7.31Y	121.8	0.00	3.18	1.76	0	12	3	97	0.00	0.0	7.540	0.005	0	0	0	1
PL.14997	PD.2333	C	#2 ACSR	7.31Y	121.8	0.00	3.18	1.76	1	12	3	97	0.00	0.0	7.595	0.055	12	3	1	1
PL.14339	PL.14842	C	#1/0 ACSR	7.32Y	122.1	0.00	2.94	2.20	1	16	4	97	0.00	0.0	6.622	0.114	16	4	1	1

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Balanced Voltage Drop Report
Source: Booneville

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.14994	PL.14468	C	#2 ACSR	7.33Y	122.1	0.00	2.91	0.71	0	5	1	98	0.00	0.0	6.416	0.005	0	0	0	1
PD.2332	PL.14994	C	20T	7.33Y	122.1	0.00	2.91	0.71	0	5	1	98	0.00	0.0	6.416	0.005	0	0	0	1
PL.14995	PD.2332	C	#2 ACSR	7.33Y	122.1	0.00	2.91	0.71	0	5	1	98	0.00	0.0	6.439	0.023	5	1	1	1
PL.14337	PL.14829	C	#4 ACSR	7.35Y	122.4	0.00	2.56	1.45	1	10	3	96	0.00	0.0	5.353	0.016	10	3	1	1
PL.14336	PL.14502	ABC	#1/0 ACSR	7.35Y	122.5	0.00	2.46	4.72	2	101	27	97	0.00	0.0	5.106	0.033	0	0	0	21
PL.14499	PL.14336	B	6 A (CWC)	7.35Y	122.5	0.00	2.47	14.16	10	101	27	97	0.00	0.0	5.111	0.005	0	0	0	21
PD.2366	PL.14499	B	20T	7.35Y	122.5	0.00	2.47	14.16	0	101	27	97	0.00	0.0	5.111	0.005	0	0	0	21
PL.14500	PD.2366	B	#4 ACSR	7.35Y	122.5	0.00	2.47	1.49	1	11	3	96	0.00	0.0	5.119	0.008	0	0	0	1
PL.14501	PL.14500	B	#4 ACSR	7.35Y	122.5	0.00	2.47	1.49	1	11	3	96	0.00	0.0	5.119	0.000	0	0	0	1
PL.14379	PL.14501	B	#4 ACSR	7.35Y	122.5	0.00	2.47	1.49	1	11	3	96	0.00	0.0	5.147	0.029	11	3	1	1
PL.14822	PD.2366	B	6 A (CWC)	7.35Y	122.5	0.04	2.50	12.67	9	90	24	97	0.02	0.0	5.177	0.066	8	2	1	20
PL.14823	PL.14822	B	6 A (CWC)	7.35Y	122.5	0.03	2.54	11.61	8	82	22	97	0.02	0.0	5.244	0.068	5	1	2	19
PL.14821	PL.14823	B	6 A (CWC)	7.35Y	122.4	0.04	2.58	10.97	8	78	21	97	0.02	0.0	5.325	0.081	0	0	0	17
PL.14380	PL.14821	B	#1/0 ACSR	7.35Y	122.4	0.00	2.58	1.79	1	13	3	97	0.00	0.0	5.359	0.033	13	3	2	2
PL.14819	PL.14821	B	6 A (CWC)	7.34Y	122.4	0.03	2.60	9.18	7	65	18	96	0.01	0.0	5.395	0.070	11	3	1	15
PL.14820	PL.14819	B	6 A (CWC)	7.34Y	122.3	0.06	2.66	7.64	5	54	15	96	0.02	0.0	5.556	0.161	0	0	0	14
PL.14485	PL.14820	B	6 A (CWC)	7.34Y	122.3	0.03	2.69	7.64	5	54	15	96	0.01	0.0	5.657	0.101	12	3	4	14
PL.14817	PL.14485	B	6 A (CWC)	7.34Y	122.3	0.01	2.70	5.75	4	41	11	97	0.00	0.0	5.693	0.036	0	0	0	9
PL.14818	PL.14817	B	6 A (CWC)	7.34Y	122.3	0.03	2.73	5.75	4	41	11	97	0.01	0.0	5.816	0.123	0	0	0	9
PL.14815	PL.14818	B	6 A (CWC)	7.34Y	122.3	0.00	2.74	2.26	2	16	4	97	0.00	0.0	5.871	0.055	10	3	1	2
PL.14816	PL.14815	B	6 A (CWC)	7.34Y	122.3	0.00	2.74	0.86	1	6	2	95	0.00	0.0	5.924	0.053	0	0	0	1
PL.14423	PL.14816	B	6 A (CWC)	7.34Y	122.3	0.01	2.75	0.86	1	6	2	95	0.00	0.0	6.106	0.182	0	0	0	1
PL.14424	PL.14423	B	6 A (CWC)	7.34Y	122.3	0.00	2.75	0.86	1	6	2	95	0.00	0.0	6.143	0.037	6	2	1	1
PL.14484	PL.14818	B	6 A (CWC)	7.34Y	122.3	0.01	2.75	3.49	2	25	7	96	0.00	0.0	5.902	0.086	0	0	0	7
PL.14541	PL.14484	B	6 A (CWC)	7.33Y	122.2	0.02	2.76	3.49	2	25	7	96	0.00	0.0	6.015	0.113	6	2	1	7
PL.14542	PL.14541	B	6 A (CWC)	7.33Y	122.2	0.01	2.77	2.64	2	19	5	97	0.00	0.0	6.099	0.084	6	2	3	6
PL.14540	PL.14542	B	6 A (CWC)	7.33Y	122.2	0.00	2.78	1.79	1	13	3	97	0.00	0.0	6.212	0.113	12	3	2	3
PL.14382	PL.14540	B	#4 ACSR	7.33Y	122.2	0.00	2.78	0.12	0	1	0	100	0.00	0.0	6.308	0.095	0	0	0	1
PL.14425	PL.14382	B	#4 ACSR	7.33Y	122.2	0.00	2.78	0.12	0	1	0	100	0.00	0.0	6.417	0.109	1	0	1	1
PL.14383	PL.14425	B	#4 ACSR	7.33Y	122.2	0.00	2.78	0.00	0	0	0	100	0.00	0.0	6.473	0.056	0	0	0	0
PL.14381	PL.14485	B	#2 ACSR	7.34Y	122.3	0.00	2.69	0.21	0	1	0	100	0.00	0.0	5.680	0.024	1	0	1	1

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Balanced Voltage Drop Report
Source: Booneville

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.14526	PL.14524	B	6 A (CWC)	7.36Y	122.7	0.06	2.30	29.09	21	207	56	97	0.09	0.0	4.667	0.046	7	2	1	48
PL.14864	PL.14526	B	#2 ACSR	7.36Y	122.7	0.00	2.30	5.78	3	41	11	97	0.00	0.0	4.692	0.025	14	4	4	8
PL.14865	PL.14864	B	#2 ACSR	7.36Y	122.7	0.00	2.30	3.78	2	27	7	97	0.00	0.0	4.715	0.023	10	3	2	4
PL.14531	PL.14865	B	#2 ACSR	7.36Y	122.7	0.00	2.30	2.35	1	17	4	97	0.00	0.0	4.738	0.023	7	2	1	2
PL.14532	PL.14531	B	#2 ACSR	7.36Y	122.7	0.00	2.30	1.38	1	10	3	96	0.00	0.0	4.756	0.018	10	3	1	1
PL.15076	PL.14526	B	6 A (CWC)	7.36Y	122.7	0.02	2.32	22.30	16	159	43	97	0.03	0.0	4.689	0.022	0	0	0	39
PD.2374	PL.15076	B	35L	7.36Y	122.7	0.00	2.32	22.30	64	158	43	96	0.00	0.0	4.689	0.022	0	0	0	39
PL.15077	PD.2374	B	6 A (CWC)	7.36Y	122.6	0.06	2.38	22.30	16	158	43	96	0.07	0.0	4.749	0.061	15	4	2	39
PL.14814	PL.15077	B	6 A (CWC)	7.35Y	122.5	0.10	2.48	20.20	14	143	39	96	0.10	0.1	4.860	0.110	8	2	3	37
PL.14812	PL.14814	B	6 A (CWC)	7.35Y	122.5	0.07	2.55	18.22	13	129	35	97	0.07	0.1	4.945	0.086	3	1	2	33
PL.14813	PL.14812	B	6 A (CWC)	7.34Y	122.3	0.12	2.67	17.81	13	126	34	97	0.11	0.1	5.103	0.158	12	3	2	31
PL.14811	PL.14813	B	6 A (CWC)	7.34Y	122.3	0.07	2.73	16.10	12	114	31	96	0.06	0.0	5.194	0.090	0	0	0	29
PL.14367	PL.14811	B	6 A (CWC)	7.34Y	122.3	0.00	2.74	0.41	0	3	1	95	0.00	0.0	5.273	0.079	3	1	1	1
PL.14598	PL.14811	B	6 A (CWC)	7.33Y	122.2	0.10	2.84	15.69	11	111	30	97	0.08	0.1	5.335	0.141	0	0	0	28
PL.14368	PL.14598	B	#4 ACSR	7.33Y	122.2	0.00	2.84	1.64	1	12	3	97	0.00	0.0	5.404	0.070	12	3	1	1
PL.14599	PL.14598	B	6 A (CWC)	7.33Y	122.1	0.07	2.90	14.05	10	99	27	96	0.05	0.1	5.439	0.104	0	0	0	27
PL.14369	PL.14599	B	6 A (CWC)	7.33Y	122.1	0.00	2.90	1.13	1	8	2	97	0.00	0.0	5.478	0.039	8	2	1	1
PL.14862	PL.14599	B	6 A (CWC)	7.32Y	122.0	0.10	3.00	12.91	9	91	25	96	0.07	0.1	5.610	0.172	0	0	0	26
PL.14863	PL.14862	B	6 A (CWC)	7.32Y	121.9	0.05	3.05	12.91	9	91	25	96	0.03	0.0	5.697	0.087	2	1	2	26
PL.14810	PL.14863	B	6 A (CWC)	7.31Y	121.9	0.04	3.09	12.59	9	89	24	97	0.02	0.0	5.761	0.064	8	2	2	24
PL.14809	PL.14810	B	6 A (CWC)	7.31Y	121.9	0.05	3.14	11.53	8	81	22	97	0.03	0.0	5.861	0.100	0	0	0	22
PL.14799	PL.14809	B	6 A (CWC)	7.31Y	121.8	0.02	3.16	11.14	8	79	21	97	0.01	0.0	5.898	0.037	11	3	2	18
PL.14800	PL.14799	B	6 A (CWC)	7.31Y	121.8	0.02	3.18	9.59	7	68	18	97	0.01	0.0	5.937	0.038	9	2	3	16
PL.14371	PL.14800	B	6 A (CWC)	7.31Y	121.8	0.03	3.21	8.30	6	59	16	97	0.01	0.0	6.019	0.083	0	0	0	13
PL.14390	PL.14371	B	6 A (CWC)	7.31Y	121.8	0.03	3.23	8.30	6	59	16	97	0.01	0.0	6.086	0.066	0	0	0	13
PL.14807	PL.14390	B	6 A (CWC)	7.31Y	121.8	0.01	3.24	8.30	6	59	16	97	0.01	0.0	6.120	0.034	3	1	1	13
PL.14808	PL.14807	B	6 A (CWC)	7.30Y	121.7	0.01	3.25	7.88	6	56	15	97	0.00	0.0	6.152	0.032	10	3	2	12
PL.14806	PL.14808	B	6 A (CWC)	7.30Y	121.7	0.02	3.28	6.43	5	45	12	97	0.01	0.0	6.244	0.092	8	2	1	10
PL.14528	PL.14806	B	6 A (CWC)	7.30Y	121.7	0.01	3.29	4.08	3	29	8	96	0.00	0.0	6.297	0.053	0	0	0	8
PL.14803	PL.14528	B	#4 ACSR	7.30Y	121.7	0.00	3.29	1.17	1	8	2	97	0.00	0.0	6.344	0.047	0	0	0	3
PL.14804	PL.14803	B	#4 ACSR	7.30Y	121.7	0.00	3.30	1.17	1	8	2	97	0.00	0.0	6.442	0.098	2	1	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: Booneville

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.14805	PL.14804	B	#4 ACSR	7.30Y	121.7	0.00	3.30	0.86	1	6	2	95	0.00	0.0	6.526	0.085	6	2	1	1
PL.14373	PL.14528	B	6 A (CWC)	7.30Y	121.7	0.02	3.31	2.91	2	21	6	96	0.00	0.0	6.457	0.159	0	0	0	5
PL.14417	PL.14373	B	6 A (CWC)	7.30Y	121.7	0.01	3.32	2.91	2	21	6	96	0.00	0.0	6.558	0.101	4	1	1	5
PL.14801	PL.14417	B	6 A (CWC)	7.30Y	121.7	0.01	3.33	2.39	2	17	5	96	0.00	0.0	6.623	0.065	2	1	1	4
PL.14802	PL.14801	B	6 A (CWC)	7.30Y	121.7	0.01	3.34	2.06	1	15	4	97	0.00	0.0	6.776	0.154	8	2	2	3
PL.14374	PL.14802	B	#4 ACSR	7.30Y	121.7	0.00	3.34	0.95	1	7	2	96	0.00	0.0	6.808	0.032	7	2	1	1
PL.14372	PL.14806	B	#1/0 ACSR	7.30Y	121.7	0.00	3.28	1.25	1	9	2	98	0.00	0.0	6.276	0.033	9	2	1	1
PL.14618	PL.14809	B	6 A (CWC)	7.31Y	121.9	0.00	3.14	0.39	0	3	1	95	0.00	0.0	5.924	0.063	0	0	0	4
PL.14370	PL.14618	B	#4 ACSR	7.31Y	121.9	0.00	3.14	0.00	0	0	0	100	0.00	0.0	5.947	0.023	0	0	0	0
PL.14619	PL.14618	B	6 A (CWC)	7.31Y	121.9	0.00	3.14	0.39	0	3	1	95	0.00	0.0	6.008	0.084	0	0	0	4
PL.14375	PL.14619	B	#4 ACSR	7.31Y	121.9	0.00	3.15	0.39	0	3	1	95	0.00	0.0	6.114	0.107	0	0	0	4
PL.14418	PL.14375	B	#4 ACSR	7.31Y	121.9	0.00	3.15	0.39	0	3	1	95	0.00	0.0	6.269	0.154	0	0	0	4
PL.14419	PL.14418	B	#4 ACSR	7.31Y	121.8	0.00	3.15	0.39	0	3	1	95	0.00	0.0	6.379	0.110	2	1	1	4
PL.14625	PL.14419	B	6 A (CWC)	7.31Y	121.8	0.00	3.15	0.05	0	0	0	100	0.00	0.0	6.441	0.062	0	0	0	3
PL.14376	PL.14625	B	#2 ACSR	7.31Y	121.8	0.00	3.15	0.05	0	0	0	100	0.00	0.0	6.484	0.043	0	0	1	1
PL.14626	PL.14625	B	6 A (CWC)	7.31Y	121.8	0.00	3.15	0.01	0	0	0	100	0.00	0.0	6.615	0.174	0	0	0	2
PL.14633	PL.14626	B	6 A (CWC)	7.31Y	121.8	0.00	3.15	0.00	0	0	0	100	0.00	0.0	6.729	0.114	0	0	0	0
PL.14634	PL.14633	B	6 A (CWC)	7.31Y	121.8	0.00	3.15	0.00	0	0	0	100	0.00	0.0	6.900	0.171	0	0	0	0
PL.14377	PL.14626	B	#4 ACSR	7.31Y	121.8	0.00	3.15	0.01	0	0	0	100	0.00	0.0	6.686	0.071	0	0	0	2
PL.14797	PL.14377	B	#4 ACSR	7.31Y	121.8	0.00	3.15	0.01	0	0	0	100	0.00	0.0	6.824	0.138	0	0	1	2
PL.14798	PL.14797	B	#4 ACSR	7.31Y	121.8	0.00	3.15	0.01	0	0	0	100	0.00	0.0	6.937	0.113	0	0	0	1
PL.14420	PL.14798	B	#4 ACSR	7.31Y	121.8	0.00	3.15	0.01	0	0	0	100	0.00	0.0	7.051	0.114	0	0	1	1
PL.14366	PL.14814	B	6 A (CWC)	7.35Y	122.5	0.00	2.48	0.88	1	6	2	95	0.00	0.0	4.918	0.058	6	2	1	1
PL.14301	PL.14687	A	#2 ACSR	7.38Y	122.9	0.00	2.06	1.68	1	12	3	97	0.00	0.0	4.353	0.022	12	3	3	3
PL.15046	PL.14525	C	6 A (CWC)	7.38Y	123.0	0.00	2.02	3.75	3	27	7	97	0.00	0.0	4.223	0.005	0	0	0	5
PD.2358	PL.15046	C	65T	7.38Y	123.0	0.00	2.02	3.75	0	27	7	97	0.00	0.0	4.223	0.005	0	0	0	5
PL.15047	PD.2358	C	6 A (CWC)	7.38Y	123.0	0.01	2.03	3.75	3	27	7	97	0.00	0.0	4.268	0.044	16	4	2	5
PL.14690	PL.15047	C	6 A (CWC)	7.38Y	123.0	0.00	2.03	1.47	1	10	3	96	0.00	0.0	4.314	0.047	4	1	1	3
PL.14521	PL.14690	C	6 A (CWC)	7.38Y	123.0	0.00	2.03	0.37	0	3	1	95	0.00	0.0	4.387	0.072	3	1	1	1
PL.14691	PL.14690	C	#1/0 ACSR	7.38Y	123.0	0.00	2.03	0.48	0	3	1	95	0.00	0.0	4.345	0.031	3	1	1	1
PL.14692	PL.14691	C	#1/0 ACSR	7.38Y	123.0	0.00	2.03	0.00	0	0	0	100	0.00	0.0	4.388	0.042	0	0	0	0

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Balanced Voltage Drop Report
Source: Booneville

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.14940	PL.14696	A	#4 ACSR	7.38Y	123.0	0.00	2.00	0.00	0	0	0	100	0.00	0.0	4.146	0.004	0	0	0	0
PD.2304	PL.14940	A	65T	7.38Y	123.0	0.00	2.00	0.00	0	0	0	100	0.00	0.0	4.146	0.004	0	0	0	0
PL.14941	PD.2304	A	#4 ACSR	7.38Y	123.0	0.00	2.00	0.00	0	0	0	100	0.00	0.0	4.159	0.013	0	0	0	0
PL.14942	PL.14701	C	6 A (CWC)	7.38Y	123.1	0.00	1.93	7.31	5	52	14	97	0.00	0.0	3.958	0.005	0	0	0	12
PD.2305	PL.14942	C	65T	7.38Y	123.1	0.00	1.93	7.31	0	52	14	97	0.00	0.0	3.958	0.005	0	0	0	12
PL.14943	PD.2305	C	6 A (CWC)	7.38Y	123.1	0.01	1.94	7.31	5	52	14	97	0.00	0.0	4.003	0.045	27	7	4	12
PL.14700	PL.14943	C	6 A (CWC)	7.38Y	123.1	0.01	1.95	3.53	3	25	7	96	0.00	0.0	4.041	0.038	6	2	1	8
PL.14671	PL.14700	C	6 A (CWC)	7.38Y	123.1	0.00	1.95	2.68	2	19	5	97	0.00	0.0	4.072	0.031	9	2	3	7
PL.14672	PL.14671	C	6 A (CWC)	7.38Y	123.0	0.01	1.96	1.45	1	10	3	96	0.00	0.0	4.170	0.098	1	0	3	4
PL.14668	PL.14672	C	6 A (CWC)	7.38Y	123.0	0.00	1.96	1.32	1	9	3	95	0.00	0.0	4.227	0.057	9	3	1	1
PL.33073	PL.14668	C	6 A (CWC)	7.38Y	123.0	0.00	1.96	0.00	0	0	0	100	0.00	0.0	4.280	0.052	0	0	0	0
PL.14924	PL.14510	C	#1/0 ACSR	7.39Y	123.2	0.00	1.80	1.44	1	10	3	96	0.00	0.0	3.657	0.005	0	0	0	1
PD.2296	PL.14924	C	65T	7.39Y	123.2	0.00	1.80	1.44	0	10	3	96	0.00	0.0	3.657	0.005	0	0	0	1
PL.14925	PD.2296	C	#1/0 ACSR	7.39Y	123.2	0.00	1.80	1.44	1	10	3	96	0.00	0.0	3.667	0.010	10	3	1	1
PL.14928	PL.14505	A	#2 ACSR	7.40Y	123.3	0.00	1.66	0.16	0	1	0	100	0.00	0.0	3.370	0.004	0	0	0	1
PD.2298	PL.14928	A	65T	7.40Y	123.3	0.00	1.66	0.16	0	1	0	100	0.00	0.0	3.370	0.004	0	0	0	1
PL.14929	PD.2298	A	#2 ACSR	7.40Y	123.3	0.00	1.66	0.16	0	1	0	100	0.00	0.0	3.414	0.044	1	0	1	1
PL.15044	PL.14505	C	6 A (CWC)	7.40Y	123.3	0.00	1.66	0.60	0	4	1	97	0.00	0.0	3.370	0.004	0	0	0	1
PD.2357	PL.15044	C	65T	7.40Y	123.3	0.00	1.66	0.60	0	4	1	97	0.00	0.0	3.370	0.004	0	0	0	1
PL.15045	PD.2357	C	6 A (CWC)	7.40Y	123.3	0.00	1.66	0.60	0	4	1	97	0.00	0.0	3.424	0.054	4	1	1	1
PL.14946	PL.14520	C	#4 ACSR	7.41Y	123.5	0.00	1.52	2.73	2	20	5	97	0.00	0.0	3.107	0.005	0	0	0	4
PD.2307	PL.14946	C	65T	7.41Y	123.5	0.00	1.52	2.73	0	20	5	97	0.00	0.0	3.107	0.005	0	0	0	4
PL.14947	PD.2307	C	#4 ACSR	7.41Y	123.5	0.00	1.53	2.73	2	20	5	97	0.00	0.0	3.155	0.049	11	3	1	4
PL.14295	PL.14947	C	#4 ACSR	7.41Y	123.5	0.00	1.53	1.26	1	9	2	98	0.00	0.0	3.194	0.038	9	2	3	3
PL.14944	PL.14705	C	6 A (CWC)	7.41Y	123.5	0.00	1.47	1.69	1	12	3	97	0.00	0.0	3.020	0.005	0	0	0	2
PD.2306	PL.14944	C	65T	7.41Y	123.5	0.00	1.47	1.69	0	12	3	97	0.00	0.0	3.020	0.005	0	0	0	2
PL.14945	PD.2306	C	6 A (CWC)	7.41Y	123.5	0.00	1.48	1.69	1	12	3	97	0.00	0.0	3.079	0.059	12	3	2	2
PL.14948	PL.14792	C	6 A (CWC)	7.42Y	123.6	0.00	1.41	4.14	3	30	8	97	0.00	0.0	2.903	0.005	0	0	0	4
PD.2308	PL.14948	C	65T	7.42Y	123.6	0.00	1.41	4.14	0	30	8	97	0.00	0.0	2.903	0.005	0	0	0	4
PL.14949	PD.2308	C	6 A (CWC)	7.42Y	123.6	0.01	1.42	4.14	3	30	8	97	0.00	0.0	2.940	0.037	8	2	1	4
PL.14706	PL.14949	C	6 A (CWC)	7.41Y	123.6	0.00	1.42	3.07	2	22	6	96	0.00	0.0	2.955	0.015	0	0	0	3

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Balanced Voltage Drop Report
Source: Booneville

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.14681	PL.14706	C	#4 ACSR	7.41Y	123.6	0.01	1.43	3.07	2	22	6	96	0.00	0.0	3.034	0.080	0	0	1	3
PL.14682	PL.14681	C	#4 ACSR	7.41Y	123.6	0.00	1.43	3.03	2	22	6	96	0.00	0.0	3.090	0.056	22	6	2	2
PL.15042	PL.14792	A	6 A (CWC)	7.42Y	123.6	0.00	1.41	3.51	3	25	7	96	0.00	0.0	2.903	0.005	0	0	0	2
PD.2356	PL.15042	A	65T	7.42Y	123.6	0.00	1.41	3.51	0	25	7	96	0.00	0.0	2.903	0.005	0	0	0	2
PL.15043	PD.2356	A	6 A (CWC)	7.42Y	123.6	0.01	1.42	3.51	3	25	7	96	0.00	0.0	2.989	0.085	25	7	2	2
PL.15040	PL.14795	C	#4 ACSR	7.43Y	123.8	0.00	1.21	2.09	2	15	4	97	0.00	0.0	2.569	0.004	0	0	0	2
PD.2355	PL.15040	C	65T	7.43Y	123.8	0.00	1.21	2.09	0	15	4	97	0.00	0.0	2.569	0.004	0	0	0	2
PL.15041	PD.2355	C	#4 ACSR	7.43Y	123.8	0.00	1.21	2.09	2	15	4	97	0.00	0.0	2.585	0.015	0	0	0	2
PL.14294	PL.15041	C	#4 ACSR	7.43Y	123.8	0.00	1.21	2.09	2	15	4	97	0.00	0.0	2.600	0.015	15	4	2	2
PL.14988	PL.14601	C	6 A (CWC)	7.44Y	124.0	0.00	1.03	3.41	2	25	7	96	0.00	0.0	2.280	0.005	0	0	0	5
PD.2329	PL.14988	C	65T	7.44Y	124.0	0.00	1.03	3.41	0	25	7	96	0.00	0.0	2.280	0.005	0	0	0	5
PL.14989	PD.2329	C	6 A (CWC)	7.44Y	124.0	0.00	1.04	3.41	2	25	7	96	0.00	0.0	2.315	0.035	5	1	3	5
PL.14796	PL.14989	C	6 A (CWC)	7.44Y	124.0	0.00	1.04	2.68	2	19	5	97	0.00	0.0	2.334	0.019	0	0	0	2
PL.14293	PL.14796	C	6 A (CWC)	7.44Y	124.0	0.00	1.04	2.68	2	19	5	97	0.00	0.0	2.359	0.025	19	5	2	2
PL.15018	PL.14886	C	6 A (CWC)	7.44Y	124.1	0.00	0.95	1.35	1	10	3	96	0.00	0.0	2.165	0.005	0	0	0	2
PD.2344	PL.15018	C	65T	7.44Y	124.1	0.00	0.95	1.35	0	10	3	96	0.00	0.0	2.165	0.005	0	0	0	2
PL.15019	PD.2344	C	6 A (CWC)	7.44Y	124.0	0.01	0.95	1.35	1	10	3	96	0.00	0.0	2.284	0.119	0	0	0	2
PL.14292	PL.15019	C	6 A (CWC)	7.44Y	124.0	0.00	0.96	1.35	1	10	3	96	0.00	0.0	2.322	0.038	10	3	2	2
PL.15020	PL.14607	B	#1/0 ACSR	7.45Y	124.1	0.00	0.86	4.43	2	32	9	96	0.00	0.0	2.055	0.005	0	0	0	4
PD.2345	PL.15020	B	65T	7.45Y	124.1	0.00	0.86	4.43	0	32	9	96	0.00	0.0	2.055	0.005	0	0	0	4
PL.15021	PD.2345	B	#1/0 ACSR	7.45Y	124.1	0.00	0.86	4.43	2	32	9	96	0.00	0.0	2.089	0.034	20	5	2	4
PL.14887	PL.15021	B	#1/0 ACSR	7.45Y	124.1	0.00	0.86	1.60	1	11	3	96	0.00	0.0	2.121	0.032	0	0	0	2
PL.14291	PL.14887	B	#1/0 ACSR	7.45Y	124.1	0.00	0.86	1.60	1	11	3	96	0.00	0.0	2.157	0.035	11	3	2	2
PL.15074	PL.15091	A	6 A (CWC)	7.45Y	124.2	0.00	0.83	35.64	25	256	69	97	0.01	0.0	2.010	0.003	0	0	0	50
PD.2373	PL.15074	A	50L	7.45Y	124.2	0.00	0.83	35.64	71	256	69	97	0.00	0.0	2.010	0.003	0	0	0	50
PL.15075	PD.2373	A	6 A (CWC)	7.45Y	124.2	0.00	0.83	35.64	25	256	69	97	0.01	0.0	2.013	0.002	0	0	0	50
PL.14608	PL.15075	A	6 A (CWC)	7.45Y	124.2	0.00	0.83	0.00	0	0	0	100	0.00	0.0	2.017	0.005	0	0	0	0
PL.14609	PL.14608	A	6 A (CWC)	7.45Y	124.2	0.00	0.83	0.00	0	0	0	100	0.00	0.0	2.018	0.000	0	0	0	0
PL.14605	PL.14609	A	6 A (CWC)	7.45Y	124.2	0.00	0.83	0.00	0	0	0	100	0.00	0.0	2.022	0.004	0	0	0	0
PL.14606	PL.14605	A	6 A (CWC)	7.45Y	124.2	0.00	0.83	0.00	0	0	0	100	0.00	0.0	2.022	0.000	0	0	0	0
PL.14603	PL.14606	A	6 A (CWC)	7.45Y	124.2	0.00	0.83	0.00	0	0	0	100	0.00	0.0	2.028	0.006	0	0	0	0

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Balanced Voltage Drop Report
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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.14604	PL.14603	A	6 A (CWC)	7.45Y	124.2	0.00	0.83	0.00	0	0	0	100	0.00	0.0	2.028	0.000	0	0	0	0
PL.14290	PL.14604	A	6 A (CWC)	7.45Y	124.2	0.00	0.83	0.00	0	0	0	100	0.00	0.0	2.095	0.067	0	0	0	0
PL.14610	PL.15075	A	6 A (CWC)	7.44Y	124.1	0.11	0.94	35.64	25	256	69	97	0.20	0.1	2.078	0.066	0	0	0	50
PL.14743	PL.14610	A	6 A (CWC)	7.44Y	124.0	0.02	0.96	35.64	25	256	69	97	0.04	0.0	2.092	0.014	8	2	3	50
PL.14744	PL.14743	A	6 A (CWC)	7.43Y	123.9	0.16	1.12	34.52	25	248	67	97	0.30	0.1	2.195	0.103	0	0	1	47
PL.14746	PL.14744	A	6 A (CWC)	7.43Y	123.8	0.08	1.21	34.33	25	246	67	96	0.15	0.1	2.250	0.055	9	2	2	45
PL.14747	PL.14746	A	6 A (CWC)	7.42Y	123.7	0.09	1.30	33.07	24	237	64	97	0.16	0.1	2.309	0.060	0	0	0	43
PL.14735	PL.14747	A	6 A (CWC)	7.42Y	123.6	0.10	1.40	32.45	23	233	63	97	0.17	0.1	2.379	0.069	11	3	1	41
PL.14736	PL.14735	A	6 A (CWC)	7.41Y	123.6	0.04	1.44	30.98	22	222	60	97	0.06	0.0	2.408	0.030	23	6	2	40
PL.14737	PL.14736	A	6 A (CWC)	7.41Y	123.5	0.05	1.49	27.83	20	199	54	97	0.07	0.0	2.449	0.041	11	3	1	38
PL.14738	PL.14737	A	6 A (CWC)	7.41Y	123.5	0.06	1.55	26.36	19	189	51	97	0.08	0.0	2.501	0.051	22	6	4	37
PL.14741	PL.14738	A	6 A (CWC)	7.40Y	123.4	0.07	1.62	21.87	16	156	42	97	0.08	0.1	2.570	0.069	0	0	1	32
PL.14742	PL.14741	A	6 A (CWC)	7.40Y	123.3	0.06	1.68	21.87	16	156	42	97	0.06	0.0	2.631	0.061	17	5	3	31
PL.14739	PL.14742	A	6 A (CWC)	7.40Y	123.3	0.02	1.69	19.45	14	139	37	97	0.02	0.0	2.649	0.018	7	2	1	28
PL.14740	PL.14739	A	6 A (CWC)	7.40Y	123.3	0.05	1.74	18.53	13	132	36	96	0.05	0.0	2.711	0.062	5	1	1	27
PL.14352	PL.14740	A	6 A (CWC)	7.40Y	123.3	0.00	1.74	0.00	0	0	0	100	0.00	0.0	2.751	0.040	0	0	0	0
PL.14912	PL.14740	A	6 A (CWC)	7.39Y	123.2	0.03	1.77	17.83	13	127	34	97	0.03	0.0	2.749	0.038	10	3	1	26
PL.14913	PL.14912	A	6 A (CWC)	7.39Y	123.2	0.03	1.81	16.36	12	117	31	97	0.03	0.0	2.794	0.045	7	2	2	25
PL.14752	PL.14913	A	6 A (CWC)	7.39Y	123.1	0.11	1.92	15.36	11	110	29	97	0.09	0.1	2.968	0.173	18	5	2	23
PL.14890	PL.14752	A	6 A (CWC)	7.38Y	123.1	0.01	1.92	2.98	2	21	6	96	0.00	0.0	3.034	0.067	6	2	1	6
PL.14891	PL.14890	A	6 A (CWC)	7.38Y	123.1	0.01	1.93	2.17	2	15	4	97	0.00	0.0	3.112	0.077	0	0	2	5
PL.14888	PL.14891	A	#4 ACSR	7.38Y	123.1	0.00	1.94	2.17	2	15	4	97	0.00	0.0	3.165	0.053	5	1	1	3
PL.14889	PL.14888	A	#4 ACSR	7.38Y	123.1	0.01	1.94	1.51	1	11	3	96	0.00	0.0	3.246	0.081	0	0	0	2
PL.14635	PL.14889	A	#4 ACSR	7.38Y	123.0	0.01	1.95	1.51	1	11	3	96	0.00	0.0	3.389	0.143	0	0	0	1
PL.14404	PL.14635	A	#4 ACSR	7.38Y	123.0	0.01	1.96	1.51	1	11	3	96	0.00	0.0	3.551	0.162	0	0	0	1
PL.14405	PL.14404	A	#4 ACSR	7.38Y	123.0	0.00	1.97	1.51	1	11	3	96	0.00	0.0	3.660	0.109	11	3	1	1
PL.14333	PL.14889	A	#4 ACSR	7.38Y	123.1	0.00	1.94	0.00	0	0	0	100	0.00	0.0	3.271	0.025	0	0	1	1
PL.14750	PL.14752	A	6 A (CWC)	7.38Y	123.0	0.04	1.95	9.80	7	70	19	97	0.02	0.0	3.053	0.085	5	1	1	15
PL.14751	PL.14750	A	6 A (CWC)	7.38Y	123.0	0.03	1.99	9.12	7	65	17	97	0.02	0.0	3.143	0.090	12	3	3	14
PL.14707	PL.14751	A	6 A (CWC)	7.38Y	123.0	0.01	2.00	7.47	5	53	14	97	0.00	0.0	3.176	0.033	5	1	1	11
PL.14708	PL.14707	A	6 A (CWC)	7.38Y	123.0	0.03	2.02	6.84	5	49	13	97	0.01	0.0	3.261	0.085	6	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: Booneville

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.14896	PL.14708	A	6 A (CWC)	7.38Y	123.0	0.02	2.05	6.05	4	43	12	96	0.01	0.0	3.354	0.093	3	1	1	9
PL.14897	PL.14896	A	6 A (CWC)	7.38Y	122.9	0.01	2.06	5.68	4	40	11	96	0.00	0.0	3.414	0.059	8	2	2	8
PL.14334	PL.14897	A	6 A (CWC)	7.38Y	122.9	0.00	2.06	3.40	2	24	6	97	0.00	0.0	3.421	0.007	0	0	0	2
PL.14354	PL.14334	A	6 A (CWC)	7.38Y	122.9	0.00	2.07	3.40	2	24	6	97	0.00	0.0	3.465	0.044	24	6	2	2
PL.14894	PL.14897	A	6 A (CWC)	7.38Y	122.9	0.00	2.06	1.17	1	8	2	97	0.00	0.0	3.455	0.041	2	1	1	4
PL.14895	PL.14894	A	6 A (CWC)	7.38Y	122.9	0.00	2.07	0.83	1	6	2	95	0.00	0.0	3.497	0.042	2	1	1	3
PL.14893	PL.14895	A	6 A (CWC)	7.38Y	122.9	0.00	2.07	0.55	0	4	1	97	0.00	0.0	3.520	0.023	4	1	2	2
PL.14892	PL.14893	A	6 A (CWC)	7.38Y	122.9	0.00	2.07	0.00	0	0	0	100	0.00	0.0	3.584	0.065	0	0	0	0
PL.14332	PL.14738	A	#4 ACSR	7.41Y	123.5	0.00	1.55	1.46	1	10	3	96	0.00	0.0	2.522	0.022	10	3	1	1
PL.14331	PL.14747	A	#4 ACSR	7.42Y	123.7	0.00	1.30	0.62	0	4	1	97	0.00	0.0	2.369	0.060	4	1	2	2
PL.14966	PL.14744	A	6 A (CWC)	7.43Y	123.9	0.00	1.12	0.19	0	1	0	100	0.00	0.0	2.199	0.005	0	0	0	1
PD.2317	PL.14966	A	15T	7.43Y	123.9	0.00	1.12	0.19	0	1	0	100	0.00	0.0	2.199	0.005	0	0	0	1
PL.14967	PD.2317	A	6 A (CWC)	7.43Y	123.9	0.00	1.13	0.19	0	1	0	100	0.00	0.0	2.363	0.164	1	0	1	1
CP.25	PL.15090	ABC	Cap (300)	7.45Y	124.2	0.00	0.76	0.00	0	0	0	100	0.00	0.0	1.938	0.164	0	0	0	0
PL.15038	PD.2369-B	C	6 A (CWC)	7.46Y	124.3	0.00	0.66	0.39	0	3	1	95	0.00	0.0	1.824	0.004	0	0	0	2
PD.2354	PL.15038	C	65T	7.46Y	124.3	0.00	0.66	0.39	0	3	1	95	0.00	0.0	1.824	0.004	0	0	0	2
PL.15039	PD.2354	C	6 A (CWC)	7.46Y	124.3	0.00	0.66	0.39	0	3	1	95	0.00	0.0	1.874	0.050	3	1	2	2
PL.14287	PL.14614	ABC	#3/0 ACSR	7.29Y	121.4	0.05	3.58	37.08	12	745	319	92	0.23	0.0	1.762	0.101	0	0	0	37
PL.14403	PL.14287	ABC	#3/0 ACSR	7.28Y	121.3	0.08	3.65	37.08	12	745	318	92	0.34	0.0	1.909	0.147	0	0	0	37
PL.14323	PL.14403	ABC	#3/0 ACSR	7.28Y	121.3	0.09	3.74	33.73	11	679	286	92	0.35	0.1	2.096	0.187	25	7	2	34
PL.14631	PL.14323	ABC	#3/0 ACSR	7.27Y	121.2	0.02	3.76	31.04	10	621	270	92	0.07	0.0	2.137	0.041	5	1	1	21
PL.14972	PL.14631	C	6 A (CWC)	7.27Y	121.2	0.00	3.76	2.28	2	16	4	97	0.00	0.0	2.142	0.005	0	0	0	2
PD.2321	PL.14972	C	65T	7.27Y	121.2	0.00	3.76	2.28	0	16	4	97	0.00	0.0	2.142	0.005	0	0	0	2
PL.14973	PD.2321	C	6 A (CWC)	7.27Y	121.2	0.00	3.76	2.28	2	16	4	97	0.00	0.0	2.168	0.026	0	0	1	2
PL.14767	PL.14973	C	6 A (CWC)	7.27Y	121.2	0.00	3.76	2.28	2	16	4	97	0.00	0.0	2.208	0.041	16	4	1	1
PL.14632	PL.14631	ABC	#3/0 ACSR	7.27Y	121.2	0.00	3.76	30.06	10	600	265	91	0.01	0.0	2.142	0.006	0	0	0	18
PL.14329	PL.14632	ABC	#1/0 ACSR	7.27Y	121.2	0.01	3.77	24.07	10	473	229	90	0.02	0.0	2.177	0.035	473	229	0	0
PL.25708	PL.14329	ABC	#1/0 ACSR	7.27Y	121.2	0.00	3.77	0.00	0	0	0	100	0.00	0.0	2.188	0.011	0	0	0	0
PL.25709	PL.25708	ABC	#1/0 ACSR	7.27Y	121.2	0.00	3.77	0.00	0	0	0	100	0.00	0.0	2.241	0.053	0	0	0	0
PL.25710	PL.25709	ABC	#1/0 ACSR	7.27Y	121.2	0.00	3.77	0.00	0	0	0	100	0.00	0.0	2.251	0.009	0	0	0	0
PL.25711	PL.25710	ABC	#1/0 ACSR	7.27Y	121.2	0.00	3.77	0.00	0	0	0	100	0.00	0.0	2.267	0.016	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: Booneville

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.25712	PL.25711	ABC	#1/0 ACSR	7.27Y	121.2	0.00	3.77	0.00	0	0	0	100	0.00	0.0	2.336	0.069	0	0	0	0
PL.14768	PL.14632	ABC	#3/0 ACSR	7.27Y	121.2	0.00	3.76	6.06	2	127	36	96	0.00	0.0	2.168	0.026	0	0	0	18
PL.27901	PL.14768	ABC	#3/0 ACSR	7.27Y	121.2	0.00	3.76	6.06	2	127	36	96	0.00	0.0	2.189	0.021	1	0	1	18
PL.27902	PL.27901	ABC	#3/0 ACSR	7.27Y	121.2	0.00	3.76	6.03	2	127	35	96	0.00	0.0	2.233	0.045	3	1	1	17
PL.14974	PL.27902	C	6 A (CWC)	7.27Y	121.2	0.00	3.77	5.40	4	38	10	97	0.00	0.0	2.238	0.005	0	0	0	5
PD.2322	PL.14974	C	65T	7.27Y	121.2	0.00	3.77	5.40	0	38	10	97	0.00	0.0	2.238	0.005	0	0	0	5
PL.14975	PD.2322	C	6 A (CWC)	7.27Y	121.2	0.00	3.77	5.40	4	38	10	97	0.00	0.0	2.256	0.018	15	4	1	5
PL.14771	PL.14975	C	6 A (CWC)	7.27Y	121.2	0.00	3.77	3.28	2	23	6	97	0.00	0.0	2.299	0.043	23	6	4	4
PL.15088	PL.27902	ABC	#3/0 ACSR	7.27Y	121.2	0.00	3.77	4.06	1	85	24	96	0.00	0.0	2.278	0.044	0	0	0	11
PL.15089	PL.15088	ABC	#3/0 ACSR	7.27Y	121.2	0.00	3.77	4.06	1	85	24	96	0.00	0.0	2.301	0.024	2	1	2	11
PL.15054	PL.15089	C	#1/0 ACSR	7.27Y	121.2	0.00	3.77	6.93	3	49	13	97	0.00	0.0	2.305	0.004	0	0	0	2
PD.2363	PL.15054	C	65T	7.27Y	121.2	0.00	3.77	6.93	0	49	13	97	0.00	0.0	2.305	0.004	0	0	0	2
PL.15055	PD.2363	C	#1/0 ACSR	7.27Y	121.2	0.00	3.77	6.93	3	49	13	97	0.00	0.0	2.341	0.036	49	13	2	2
PL.15056	PL.15089	C	#1/0 ACSR	7.27Y	121.2	0.00	3.77	0.46	0	3	1	95	0.00	0.0	2.305	0.004	0	0	0	2
PD.2364	PL.15056	C	65T	7.27Y	121.2	0.00	3.77	0.46	0	3	1	95	0.00	0.0	2.305	0.004	0	0	0	2
PL.15057	PD.2364	C	#1/0 ACSR	7.27Y	121.2	0.00	3.77	0.46	0	3	1	95	0.00	0.0	2.344	0.038	0	0	0	2
PL.14330	PL.15057	C	#1/0 ACSR	7.27Y	121.2	0.00	3.77	0.46	0	3	1	95	0.00	0.0	2.392	0.048	3	1	2	2
PL.15058	PL.15089	ABC	#3/0 ACSR	7.27Y	121.2	0.00	3.77	1.49	0	31	10	95	0.00	0.0	2.305	0.004	0	0	0	3
PL.15059	PL.15058	ABC	#3/0 ACSR	7.27Y	121.2	0.00	3.77	1.49	0	31	10	95	0.00	0.0	2.410	0.105	31	10	3	3
PL.14976	PL.15089	A	#1/0 ACSR	7.27Y	121.2	0.00	3.77	0.02	0	0	0	100	0.00	0.0	2.305	0.004	0	0	0	2
PD.2323	PL.14976	A	65T	7.27Y	121.2	0.00	3.77	0.02	0	0	0	100	0.00	0.0	2.305	0.004	0	0	0	2
PL.14977	PD.2323	A	#1/0 ACSR	7.27Y	121.2	0.00	3.77	0.02	0	0	0	100	0.00	0.0	2.353	0.048	0	0	1	2
PL.14770	PL.14977	A	#1/0 ACSR	7.27Y	121.2	0.00	3.77	0.00	0	0	0	100	0.00	0.0	2.423	0.070	0	0	1	1
CP.24	PL.15088	ABC	Cap (300)	7.27Y	121.2	0.00	3.77	0.00	0	0	0	100	0.00	0.0	2.278	0.070	0	0	0	0
PL.14628	PL.14323	B	6 A (CWC)	7.28Y	121.3	0.01	3.75	4.56	3	32	9	96	0.00	0.0	2.140	0.044	0	0	0	11
PD.2362	PL.14628	B	65T	7.28Y	121.3	0.00	3.75	4.56	0	32	9	96	0.00	0.0	2.140	0.044	0	0	0	11
PL.14629	PD.2362	B	6 A (CWC)	7.28Y	121.3	0.00	3.75	0.02	0	0	0	100	0.00	0.0	2.149	0.009	0	0	0	1
PL.14630	PL.14629	B	6 A (CWC)	7.28Y	121.3	0.00	3.75	0.02	0	0	0	100	0.00	0.0	2.149	0.000	0	0	0	1
PL.14326	PL.14630	B	6 A (CWC)	7.28Y	121.3	0.00	3.75	0.02	0	0	0	100	0.00	0.0	2.214	0.065	0	0	1	1
PL.14765	PD.2362	B	6 A (CWC)	7.27Y	121.2	0.01	3.75	4.54	3	32	9	96	0.00	0.0	2.166	0.026	1	0	2	10
PL.14766	PL.14765	B	6 A (CWC)	7.27Y	121.2	0.01	3.76	4.46	3	31	8	97	0.00	0.0	2.207	0.041	0	0	1	8

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

Balanced Voltage Drop Report
Source: Booneville

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.14764	PL.14766	B	6 A (CWC)	7.27Y	121.2	0.01	3.77	4.46	3	31	8	97	0.00	0.0	2.246	0.040	0	0	1	7
PL.14627	PL.14764	B	6 A (CWC)	7.27Y	121.2	0.00	3.77	1.23	1	9	2	98	0.00	0.0	2.282	0.036	9	2	3	3
PL.14748	PL.14764	B	6 A (CWC)	7.27Y	121.2	0.01	3.78	3.23	2	23	6	97	0.00	0.0	2.339	0.092	18	5	2	3
PL.14749	PL.14748	B	6 A (CWC)	7.27Y	121.2	0.00	3.78	0.73	1	5	1	98	0.00	0.0	2.358	0.019	0	0	0	1
PL.14327	PL.14749	B	6 A (CWC)	7.27Y	121.2	0.00	3.78	0.00	0	0	0	100	0.00	0.0	2.392	0.034	0	0	0	0
PL.14328	PL.14749	B	6 A (CWC)	7.27Y	121.2	0.00	3.78	0.73	1	5	1	98	0.00	0.0	2.404	0.047	5	1	1	1
PL.15064	PL.14403	ABC	#1/0 ACSR	7.28Y	121.3	0.00	3.65	3.35	1	66	32	90	0.00	0.0	1.914	0.005	0	0	0	3
PD.2368	PL.15064	ABC	65T	7.28Y	121.3	0.00	3.65	3.35	0	66	32	90	0.00	0.0	1.914	0.005	0	0	0	3
PL.15065	PD.2368	ABC	#1/0 ACSR	7.28Y	121.3	0.00	3.65	3.35	1	66	32	90	0.00	0.0	1.939	0.025	0	0	0	3
PL.14325	PL.15065	B	#1/0 ACSR	7.28Y	121.3	0.00	3.65	0.10	0	1	0	100	0.00	0.0	1.984	0.046	1	0	1	1
PL.14914	PL.15065	ABC	#1/0 ACSR	7.28Y	121.3	0.00	3.65	3.32	1	65	32	90	0.00	0.0	1.948	0.009	45	22	1	2
PL.14915	PL.14914	ABC	#1/0 ACSR	7.28Y	121.3	0.00	3.65	1.02	0	20	10	89	0.00	0.0	1.953	0.005	0	0	0	1
PL.14324	PL.14915	ABC	#1/0 ACSR	7.28Y	121.3	0.00	3.65	1.02	0	20	10	89	0.00	0.0	1.981	0.029	20	10	1	1
PL.14611	PL.15069	C	6 A (CWC)	7.30Y	121.7	0.00	3.35	4.83	3	34	9	97	0.00	0.0	1.580	0.004	0	0	0	5
PD.2318	PL.14611	C	30T	7.30Y	121.7	0.00	3.35	4.83	0	34	9	97	0.00	0.0	1.580	0.004	0	0	0	5
PL.14761	PD.2318	C	6 A (CWC)	7.30Y	121.6	0.01	3.36	4.83	3	34	9	97	0.00	0.0	1.654	0.074	21	6	2	5
PL.14762	PL.14761	C	6 A (CWC)	7.30Y	121.6	0.00	3.36	1.80	1	13	3	97	0.00	0.0	1.727	0.073	9	2	1	3
PL.14755	PL.14762	C	6 A (CWC)	7.30Y	121.6	0.00	3.37	0.58	0	4	1	97	0.00	0.0	1.907	0.181	0	0	0	2
PL.14718	PL.14755	C	6 A (CWC)	7.30Y	121.6	0.00	3.37	0.58	0	4	1	97	0.00	0.0	1.987	0.080	1	0	1	2
PL.14719	PL.14718	C	6 A (CWC)	7.30Y	121.6	0.00	3.37	0.43	0	3	1	95	0.00	0.0	2.019	0.032	0	0	0	1
PL.14509	PL.14719	C	6 A (CWC)	7.30Y	121.6	0.00	3.37	0.00	0	0	0	100	0.00	0.0	2.129	0.110	0	0	0	0
PL.14385	PL.14509	C	6 A (CWC)	7.30Y	121.6	0.00	3.37	0.00	0	0	0	100	0.00	0.0	2.199	0.070	0	0	0	0
PL.14386	PL.14385	C	6 A (CWC)	7.30Y	121.6	0.00	3.37	0.00	0	0	0	100	0.00	0.0	2.297	0.098	0	0	0	0
PL.14289	PL.14386	C	6 A (CWC)	7.30Y	121.6	0.00	3.37	0.00	0	0	0	100	0.00	0.0	2.377	0.080	0	0	0	0
PL.14387	PL.14289	C	6 A (CWC)	7.30Y	121.6	0.00	3.37	0.00	0	0	0	100	0.00	0.0	2.541	0.164	0	0	0	0
PL.14288	PL.14719	C	#2 ACSR	7.30Y	121.6	0.00	3.37	0.43	0	3	1	95	0.00	0.0	2.156	0.138	3	1	1	1
PL.14612	PD.2318	C	#2 ACSR	7.30Y	121.7	0.00	3.35	0.00	0	0	0	100	0.00	0.0	1.586	0.006	0	0	0	0
PL.14613	PL.14612	C	#2 ACSR	7.30Y	121.7	0.00	3.35	0.00	0	0	0	100	0.00	0.0	1.586	0.000	0	0	0	0
PL.14286	PL.14613	C	#2 ACSR	7.30Y	121.7	0.00	3.35	0.00	0	0	0	100	0.00	0.0	1.602	0.016	0	0	0	0
PL.15082	PL.14616	ABC	#1/0 ACSR	7.34Y	122.3	0.02	2.70	24.59	11	523	141	97	0.06	0.0	1.302	0.037	0	0	0	99
PD.2376	PL.15082	ABC	70L	7.34Y	122.3	0.00	2.70	24.59	35	523	141	97	0.00	0.0	1.302	0.037	0	0	0	99

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Balanced Voltage Drop Report
Source: Booneville

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.15083	PD.2376	ABC	#1/0 ACSR	7.34Y	122.3	0.02	2.73	24.59	11	523	141	97	0.08	0.0	1.354	0.052	0	0	0	99
PL.14252	PL.15083	A	#4 ACSR	7.34Y	122.3	0.00	2.73	0.48	0	3	1	95	0.00	0.0	1.416	0.061	3	1	1	1
PL.14772	PL.15083	ABC	#1/0 ACSR	7.33Y	122.2	0.04	2.77	24.33	11	517	139	97	0.15	0.0	1.449	0.095	5	1	1	97
PL.14773	PL.14772	ABC	#1/0 ACSR	7.33Y	122.2	0.02	2.79	24.10	10	512	138	97	0.07	0.0	1.493	0.044	0	0	0	96
PL.14530	PL.14773	ABC	#1/0 ACSR	7.33Y	122.2	0.01	2.80	23.49	10	499	134	97	0.05	0.0	1.526	0.033	14	4	2	95
PL.15028	PL.14530	A	6 A (CWC)	7.33Y	122.2	0.00	2.80	1.49	1	11	3	96	0.00	0.0	1.530	0.004	0	0	0	3
PD.2349	PL.15028	A	30T	7.33Y	122.2	0.00	2.80	1.49	0	11	3	96	0.00	0.0	1.530	0.004	0	0	0	3
PL.15029	PD.2349	A	6 A (CWC)	7.33Y	122.2	0.00	2.80	1.49	1	11	3	96	0.00	0.0	1.581	0.051	8	2	2	3
PL.14760	PL.15029	A	6 A (CWC)	7.33Y	122.2	0.00	2.80	0.36	0	3	1	95	0.00	0.0	1.625	0.044	3	1	1	1
PL.14970	PL.14530	C	#1/0 ACSR	7.33Y	122.2	0.00	2.80	0.00	0	0	0	100	0.00	0.0	1.530	0.004	0	0	0	0
PD.2320	PL.14970	C	30T	7.33Y	122.2	0.00	2.80	0.00	0	0	0	100	0.00	0.0	1.530	0.004	0	0	0	0
PL.14971	PD.2320	C	#1/0 ACSR	7.33Y	122.2	0.00	2.80	0.00	0	0	0	100	0.00	0.0	1.548	0.017	0	0	0	0
PL.14758	PL.14530	ABC	#1/0 ACSR	7.33Y	122.2	0.01	2.81	22.33	10	474	128	97	0.05	0.0	1.561	0.035	5	1	1	90
PL.14759	PL.14758	ABC	#1/0 ACSR	7.33Y	122.2	0.01	2.83	22.08	10	469	126	97	0.05	0.0	1.596	0.035	0	0	0	89
PL.14756	PL.14759	ABC	#1/0 ACSR	7.33Y	122.2	0.01	2.84	20.31	9	431	116	97	0.04	0.0	1.634	0.038	7	2	2	83
PL.14757	PL.14756	ABC	#1/0 ACSR	7.33Y	122.1	0.06	2.90	19.99	9	424	114	97	0.17	0.0	1.793	0.159	0	0	0	81
PL.15030	PL.14757	A	#4 ACSR	7.33Y	122.1	0.00	2.90	2.70	2	19	5	97	0.00	0.0	1.797	0.004	0	0	0	3
PD.2350	PL.15030	A	30T	7.33Y	122.1	0.00	2.90	2.70	0	19	5	97	0.00	0.0	1.797	0.004	0	0	0	3
PL.15031	PD.2350	A	#4 ACSR	7.33Y	122.1	0.00	2.90	2.70	2	19	5	97	0.00	0.0	1.835	0.038	19	5	3	3
PL.14514	PL.14757	ABC	#1/0 ACSR	7.33Y	122.1	0.01	2.91	13.10	6	278	75	97	0.02	0.0	1.832	0.039	3	1	1	55
PL.14962	PL.14514	A	#2 ACSR	7.33Y	122.1	0.00	2.91	2.19	1	16	4	97	0.00	0.0	1.836	0.004	0	0	0	2
PD.2315	PL.14962	A	30T	7.33Y	122.1	0.00	2.91	2.19	0	16	4	97	0.00	0.0	1.836	0.004	0	0	0	2
PL.14963	PD.2315	A	#2 ACSR	7.33Y	122.1	0.00	2.91	2.19	1	16	4	97	0.00	0.0	1.879	0.043	9	3	1	2
PL.14256	PL.14963	A	#2 ACSR	7.33Y	122.1	0.00	2.91	0.86	0	6	2	95	0.00	0.0	1.977	0.097	6	2	1	1
PL.14511	PL.14514	ABC	#1/0 ACSR	7.32Y	122.1	0.03	2.94	12.24	5	260	70	97	0.05	0.0	1.958	0.126	0	0	0	52
PL.14399	PL.14511	ABC	#1/0 ACSR	7.32Y	122.0	0.03	2.96	12.24	5	260	70	97	0.05	0.0	2.079	0.120	0	0	0	52
PL.14497	PL.14399	ABC	#1/0 ACSR	7.32Y	122.0	0.01	2.98	12.24	5	260	70	97	0.03	0.0	2.148	0.070	16	4	1	52
PL.14498	PL.14497	ABC	#1/0 ACSR	7.32Y	122.0	0.01	2.99	11.50	5	244	66	97	0.02	0.0	2.218	0.069	5	1	1	51
PL.14263	PL.14498	A	#4 ACSR	7.32Y	122.0	0.00	2.99	0.03	0	0	0	100	0.00	0.0	2.308	0.091	0	0	0	1
PL.14265	PL.14263	A	#4 ACSR	7.32Y	122.0	0.00	2.99	0.03	0	0	0	100	0.00	0.0	2.419	0.111	0	0	1	1
PL.14496	PL.14498	ABC	#1/0 ACSR	7.32Y	122.0	0.01	3.00	11.27	5	239	64	97	0.01	0.0	2.252	0.035	0	0	0	49

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Balanced Voltage Drop Report
Source: Booneville

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.14958	PL.14496	A	#2 ACSR	7.32Y	122.0	0.00	3.00	2.04	1	14	4	96	0.00	0.0	2.257	0.005	0	0	0	2
PD.2313	PL.14958	A	30T	7.32Y	122.0	0.00	3.00	2.04	0	14	4	96	0.00	0.0	2.257	0.005	0	0	0	2
PL.14959	PD.2313	A	#2 ACSR	7.32Y	122.0	0.00	3.00	2.04	1	14	4	96	0.00	0.0	2.337	0.080	7	2	1	2
PL.14264	PL.14959	A	#2 ACSR	7.32Y	122.0	0.00	3.00	1.04	1	7	2	96	0.00	0.0	2.419	0.083	7	2	1	1
PL.14733	PL.14496	ABC	#1/0 ACSR	7.32Y	122.0	0.01	3.01	8.74	4	185	50	97	0.01	0.0	2.299	0.047	5	1	1	36
PL.14734	PL.14733	ABC	#1/0 ACSR	7.32Y	122.0	0.01	3.02	8.52	4	181	49	97	0.01	0.0	2.371	0.073	8	2	1	35
PL.14267	PL.14734	C	#2 ACSR	7.32Y	122.0	0.00	3.02	0.65	0	5	1	98	0.00	0.0	2.399	0.027	5	1	1	1
PL.14495	PL.14734	ABC	#1/0 ACSR	7.32Y	122.0	0.01	3.03	7.92	3	168	45	97	0.01	0.0	2.434	0.062	0	0	0	33
PL.14492	PL.14495	C	#2 ACSR	7.32Y	122.0	0.00	3.03	0.49	0	3	1	95	0.00	0.0	2.439	0.005	0	0	0	4
PD.2309	PL.14492	C	30T	7.32Y	122.0	0.00	3.03	0.49	0	3	1	95	0.00	0.0	2.439	0.005	0	0	0	4
PL.14714	PD.2309	C	#2 ACSR	7.32Y	122.0	0.00	3.03	0.11	0	1	0	100	0.00	0.0	2.450	0.012	0	0	0	2
PL.14715	PL.14714	C	#2 ACSR	7.32Y	122.0	0.00	3.03	0.11	0	1	0	100	0.00	0.0	2.507	0.057	1	0	2	2
PL.14488	PD.2309	C	#2 ACSR	7.32Y	122.0	0.00	3.03	0.38	0	3	1	95	0.00	0.0	2.442	0.004	0	0	0	2
PL.14489	PL.14488	C	#2 ACSR	7.32Y	122.0	0.00	3.03	0.38	0	3	1	95	0.00	0.0	2.442	0.000	0	0	0	2
PL.14486	PL.14489	C	#2 ACSR	7.32Y	122.0	0.00	3.03	0.38	0	3	1	95	0.00	0.0	2.446	0.003	0	0	0	2
PL.14487	PL.14486	C	#2 ACSR	7.32Y	122.0	0.00	3.03	0.38	0	3	1	95	0.00	0.0	2.446	0.000	0	0	0	2
PL.14490	PL.14487	C	#2 ACSR	7.32Y	122.0	0.00	3.03	0.38	0	3	1	95	0.00	0.0	2.450	0.005	0	0	0	2
PL.14491	PL.14490	C	#2 ACSR	7.32Y	122.0	0.00	3.03	0.38	0	3	1	95	0.00	0.0	2.450	0.000	0	0	0	2
PL.14268	PL.14491	C	#2 ACSR	7.32Y	122.0	0.00	3.03	0.38	0	3	1	95	0.00	0.0	2.462	0.011	3	1	2	2
PL.14493	PL.14495	ABC	#1/0 ACSR	7.32Y	122.0	0.00	3.03	7.75	3	164	44	97	0.00	0.0	2.438	0.004	0	0	0	29
PL.14716	PL.14493	ABC	#1/0 ACSR	7.32Y	122.0	0.00	3.03	7.75	3	164	44	97	0.00	0.0	2.468	0.030	10	3	1	29
PL.14717	PL.14716	ABC	#1/0 ACSR	7.32Y	122.0	0.01	3.04	7.30	3	155	42	97	0.01	0.0	2.541	0.073	11	3	1	28
PL.14713	PL.14717	ABC	#1/0 ACSR	7.32Y	121.9	0.01	3.05	6.77	3	144	39	97	0.01	0.0	2.651	0.110	0	0	0	27
PL.14950	PL.14713	C	#2 ACSR	7.32Y	121.9	0.00	3.05	5.16	3	36	10	96	0.00	0.0	2.655	0.005	0	0	0	4
PD.2310	PL.14950	C	30T	7.32Y	121.9	0.00	3.05	5.16	0	36	10	96	0.00	0.0	2.655	0.005	0	0	0	4
PL.14951	PD.2310	C	#2 ACSR	7.32Y	121.9	0.01	3.06	5.16	3	36	10	96	0.00	0.0	2.697	0.041	9	3	1	4
PL.14712	PL.14951	C	#2 ACSR	7.32Y	121.9	0.00	3.06	3.84	2	27	7	97	0.00	0.0	2.730	0.034	0	0	0	3
PL.14269	PL.14712	C	#2 ACSR	7.32Y	121.9	0.01	3.07	3.84	2	27	7	97	0.00	0.0	2.825	0.095	27	7	3	3
PL.14709	PL.14713	ABC	#1/0 ACSR	7.32Y	121.9	0.01	3.06	5.05	2	107	29	97	0.01	0.0	2.745	0.094	2	0	1	23
PL.27906	PL.14709	C	#1/0 ACSR	7.32Y	121.9	0.00	3.06	0.00	0	0	0	100	0.00	0.0	2.749	0.003	0	0	0	1
PD.3862	PL.27906	C	30T	7.32Y	121.9	0.00	3.06	0.00	0	0	0	100	0.00	0.0	2.749	0.003	0	0	0	1

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Balanced Voltage Drop Report
Source: Booneville

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.27907	PD.3862	C	#1/0 ACSR	7.32Y	121.9	0.00	3.06	0.00	0	0	0	100	0.00	0.0	2.820	0.071	0	0	0	1
PL.27918	PL.27907	C	#1/0 ACSR	7.32Y	121.9	0.00	3.06	0.00	0	0	0	100	0.00	0.0	2.878	0.059	0	0	0	1
PL.27919	PL.27918	C	#1/0 ACSR	7.32Y	121.9	0.00	3.06	0.00	0	0	0	100	0.00	0.0	2.922	0.044	0	0	1	1
PL.14710	PL.14709	ABC	#1/0 ACSR	7.32Y	121.9	0.00	3.06	4.98	2	106	28	97	0.00	0.0	2.782	0.037	9	2	1	21
PL.14711	PL.14710	ABC	#1/0 ACSR	7.32Y	121.9	0.01	3.08	4.57	2	97	26	97	0.01	0.0	2.908	0.126	0	0	0	20
PL.14400	PL.14711	ABC	#1/0 ACSR	7.31Y	121.9	0.01	3.09	4.57	2	97	26	97	0.01	0.0	3.039	0.131	0	0	0	20
PL.14482	PL.14400	ABC	#1/0 ACSR	7.31Y	121.9	0.00	3.09	4.57	2	97	26	97	0.00	0.0	3.078	0.039	0	0	0	20
PL.14483	PL.14482	ABC	#1/0 ACSR	7.31Y	121.9	0.01	3.10	4.16	2	88	24	96	0.00	0.0	3.181	0.103	4	1	1	19
PL.14956	PL.14483	ABC	#1/0 ACSR	7.31Y	121.9	0.00	3.10	3.96	2	84	23	96	0.00	0.0	3.229	0.048	0	0	0	18
PL.14957	PL.14956	ABC	#1/0 ACSR	7.31Y	121.9	0.00	3.10	3.96	2	84	23	96	0.00	0.0	3.233	0.005	0	0	0	18
PL.14480	PL.14957	ABC	#1/0 ACSR	7.31Y	121.9	0.01	3.11	3.63	2	77	21	96	0.00	0.0	3.338	0.104	0	0	0	17
PL.14477	PL.14480	ABC	#1/0 ACSR	7.31Y	121.9	0.01	3.12	3.62	2	77	21	96	0.01	0.0	3.487	0.149	0	0	0	16
PL.14274	PL.14477	ABC	#1/0 ACSR	7.31Y	121.9	0.00	3.12	3.62	2	77	21	96	0.00	0.0	3.497	0.010	0	0	0	16
PL.14982	PL.14274	A	6 A (CWC)	7.31Y	121.9	0.00	3.12	1.24	1	9	2	98	0.00	0.0	3.501	0.005	0	0	0	6
PD.2326	PL.14982	A	30T	7.31Y	121.9	0.00	3.12	1.24	0	9	2	98	0.00	0.0	3.501	0.005	0	0	0	6
PL.14983	PD.2326	A	6 A (CWC)	7.31Y	121.9	0.00	3.12	1.24	1	9	2	98	0.00	0.0	3.531	0.029	5	1	2	6
PL.14782	PL.14983	A	6 A (CWC)	7.31Y	121.9	0.00	3.12	0.50	0	4	1	97	0.00	0.0	3.611	0.080	1	0	2	4
PL.14781	PL.14782	A	6 A (CWC)	7.31Y	121.9	0.00	3.12	0.35	0	2	1	89	0.00	0.0	3.766	0.155	0	0	0	2
PL.14401	PL.14781	A	6 A (CWC)	7.31Y	121.9	0.00	3.12	0.35	0	2	1	89	0.00	0.0	3.848	0.082	0	0	0	2
PL.14275	PL.14401	A	#4 ACSR	7.31Y	121.9	0.00	3.13	0.35	0	2	1	89	0.00	0.0	3.996	0.148	0	0	0	2
PL.14466	PL.14275	A	#4 ACSR	7.31Y	121.9	0.00	3.13	0.35	0	2	1	89	0.00	0.0	4.044	0.048	0	0	0	2
PL.14276	PL.14466	A	#1/0 ACSR	7.31Y	121.9	0.00	3.13	0.00	0	0	0	100	0.00	0.0	4.113	0.069	0	0	0	0
PL.14467	PL.14466	A	#4 ACSR	7.31Y	121.9	0.00	3.13	0.35	0	2	1	89	0.00	0.0	4.205	0.161	0	0	0	2
PL.14277	PL.14467	A	#4 ACSR	7.31Y	121.9	0.00	3.13	0.35	0	2	1	89	0.00	0.0	4.273	0.068	2	1	2	2
PL.15036	PL.14274	C	6 A (CWC)	7.31Y	121.9	0.00	3.12	9.63	7	68	18	97	0.00	0.0	3.501	0.004	0	0	0	10
PD.2353	PL.15036	C	30T	7.31Y	121.9	0.00	3.12	9.63	0	68	18	97	0.00	0.0	3.501	0.004	0	0	0	10
PL.15037	PD.2353	C	6 A (CWC)	7.31Y	121.8	0.04	3.16	9.63	7	68	18	97	0.02	0.0	3.593	0.092	0	0	0	10
PL.14476	PL.15037	C	6 A (CWC)	7.31Y	121.8	0.03	3.19	8.59	6	61	16	97	0.01	0.0	3.668	0.075	0	0	0	9
PL.14783	PL.14476	C	6 A (CWC)	7.31Y	121.8	0.03	3.22	6.88	5	49	13	97	0.01	0.0	3.768	0.100	10	3	3	8
PL.14784	PL.14783	C	6 A (CWC)	7.31Y	121.8	0.03	3.25	5.48	4	39	10	97	0.01	0.0	3.888	0.120	0	0	1	5
PL.14789	PL.14784	C	6 A (CWC)	7.30Y	121.7	0.02	3.27	5.48	4	39	10	97	0.00	0.0	3.968	0.080	8	2	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: Booneville

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.14790	PL.14789	C	6 A (CWC)	7.30Y	121.7	0.03	3.30	4.37	3	31	8	97	0.01	0.0	4.117	0.149	0	0	0	3
PL.14787	PL.14790	C	6 A (CWC)	7.30Y	121.7	0.02	3.32	4.37	3	31	8	97	0.01	0.0	4.233	0.116	0	0	0	3
PL.14788	PL.14787	C	6 A (CWC)	7.30Y	121.7	0.03	3.35	4.37	3	31	8	97	0.01	0.0	4.384	0.151	0	0	0	3
PL.14402	PL.14788	C	6 A (CWC)	7.30Y	121.6	0.02	3.37	4.37	3	31	8	97	0.00	0.0	4.467	0.084	0	0	0	3
PL.14785	PL.14402	C	6 A (CWC)	7.30Y	121.6	0.03	3.39	4.37	3	31	8	97	0.01	0.0	4.598	0.131	2	0	1	3
PL.14786	PL.14785	C	6 A (CWC)	7.30Y	121.6	0.03	3.42	4.14	3	29	8	96	0.01	0.0	4.733	0.135	0	0	0	2
PL.14280	PL.14786	C	6 A (CWC)	7.29Y	121.6	0.00	3.42	2.28	2	16	4	97	0.00	0.0	4.797	0.064	16	4	1	1
PL.14281	PL.14786	C	6 A (CWC)	7.29Y	121.6	0.00	3.42	1.85	1	13	4	96	0.00	0.0	4.804	0.071	13	4	1	1
PL.14279	PL.14476	C	#2 ACSR	7.31Y	121.8	0.00	3.19	1.71	1	12	3	97	0.00	0.0	3.719	0.051	12	3	1	1
PL.14278	PL.15037	C	#2 ACSR	7.31Y	121.8	0.00	3.16	1.04	1	7	2	96	0.00	0.0	3.638	0.045	7	2	1	1
PL.14952	PL.14480	A	#2 ACSR	7.31Y	121.9	0.00	3.11	0.00	0	0	0	100	0.00	0.0	3.342	0.005	0	0	0	1
PD.2311	PL.14952	A	30T	7.31Y	121.9	0.00	3.11	0.00	0	0	0	100	0.00	0.0	3.342	0.005	0	0	0	1
PL.14953	PD.2311	A	6 A (CWC)	7.31Y	121.9	0.00	3.11	0.00	0	0	0	100	0.00	0.0	3.367	0.024	0	0	1	1
PL.14272	PL.14953	A	#2 ACSR	7.31Y	121.9	0.00	3.11	0.00	0	0	0	100	0.00	0.0	3.465	0.098	0	0	0	0
PL.14273	PL.14272	A	#2 ACSR	7.31Y	121.9	0.00	3.11	0.00	0	0	0	100	0.00	0.0	3.576	0.111	0	0	0	0
PL.14954	PL.14957	C	#1/0 ACSR	7.31Y	121.9	0.00	3.10	1.01	0	7	2	96	0.00	0.0	3.238	0.005	0	0	0	1
PD.2312	PL.14954	C	30T	7.31Y	121.9	0.00	3.10	1.01	0	7	2	96	0.00	0.0	3.238	0.005	0	0	0	1
PL.14955	PD.2312	C	#1/0 ACSR	7.31Y	121.9	0.00	3.10	1.01	0	7	2	96	0.00	0.0	3.259	0.021	0	0	0	1
PL.14271	PL.14955	C	#1/0 ACSR	7.31Y	121.9	0.00	3.10	1.01	0	7	2	96	0.00	0.0	3.388	0.129	7	2	1	1
PL.15034	PL.14482	C	#2 ACSR	7.31Y	121.9	0.00	3.09	1.21	1	9	2	98	0.00	0.0	3.082	0.004	0	0	0	1
PD.2352	PL.15034	C	30T	7.31Y	121.9	0.00	3.09	1.21	0	9	2	98	0.00	0.0	3.082	0.004	0	0	0	1
PL.15035	PD.2352	C	#2 ACSR	7.31Y	121.9	0.00	3.09	1.21	1	9	2	98	0.00	0.0	3.196	0.114	0	0	0	1
PL.14270	PL.15035	C	#2 ACSR	7.31Y	121.9	0.00	3.09	1.21	1	9	2	98	0.00	0.0	3.244	0.048	9	2	1	1
PL.15032	PL.14496	C	#2 ACSR	7.32Y	122.0	0.00	3.00	5.55	3	39	11	96	0.00	0.0	2.257	0.005	0	0	0	11
PD.2351	PL.15032	C	30T	7.32Y	122.0	0.00	3.00	5.55	0	39	11	96	0.00	0.0	2.257	0.005	0	0	0	11
PL.15033	PD.2351	C	#2 ACSR	7.32Y	122.0	0.01	3.01	5.55	3	39	11	96	0.00	0.0	2.328	0.072	17	4	3	11
PL.14720	PL.15033	C	#4 ACSR	7.32Y	122.0	0.01	3.02	1.94	1	14	4	96	0.00	0.0	2.432	0.104	7	2	2	6
PL.14721	PL.14720	C	#4 ACSR	7.32Y	122.0	0.00	3.02	0.91	1	6	2	95	0.00	0.0	2.479	0.047	2	0	1	4
PL.65700	PL.14721	C	#4 ACSR	7.32Y	122.0	0.00	3.02	0.67	1	5	1	98	0.00	0.0	2.534	0.055	5	1	3	3
PL.65701	PL.65700	C	#4 ACSR	7.32Y	122.0	0.00	3.02	0.00	0	0	0	100	0.00	0.0	2.540	0.006	0	0	0	0
PL.14266	PL.15033	C	#2 ACSR	7.32Y	122.0	0.01	3.01	1.27	1	9	2	98	0.00	0.0	2.459	0.131	0	0	0	2

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Balanced Voltage Drop Report
Source: Booneville

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.14284	PL.14266	C	#2 ACSR	7.32Y	122.0	0.00	3.02	1.27	1	9	2	98	0.00	0.0	2.540	0.081	9	2	2	2
PL.14960	PL.14757	C	#4 ACSR	7.33Y	122.1	0.02	2.92	17.97	14	127	34	97	0.02	0.0	1.813	0.020	0	0	0	23
PL.27903	PL.14960	C	6 A (CWC)	7.32Y	122.1	0.00	2.92	17.97	13	127	34	97	0.00	0.0	1.815	0.003	0	0	0	23
PD.3861	PL.27903	C	30T	7.32Y	122.1	0.00	2.92	17.97	0	127	34	97	0.00	0.0	1.815	0.003	0	0	0	23
PL.27904	PD.3861	C	6 A (CWC)	7.32Y	122.1	0.03	2.95	17.97	13	127	34	97	0.03	0.0	1.853	0.037	12	3	2	23
PL.14724	PL.27904	C	6 A (CWC)	7.32Y	122.0	0.04	2.99	16.20	12	115	31	97	0.03	0.0	1.907	0.055	11	3	2	21
PL.14512	PL.14724	C	#4 ACSR	7.32Y	122.0	0.00	2.99	2.57	2	18	5	96	0.00	0.0	1.924	0.017	0	0	0	3
PL.14257	PL.14512	C	#2 ACSR	7.32Y	122.0	0.00	2.99	0.00	0	0	0	100	0.00	0.0	1.942	0.018	0	0	0	0
PL.14725	PL.14512	C	#4 ACSR	7.32Y	122.0	0.00	2.99	2.57	2	18	5	96	0.00	0.0	1.952	0.028	6	2	1	3
PL.14726	PL.14725	C	#4 ACSR	7.32Y	122.0	0.00	2.99	1.68	1	12	3	97	0.00	0.0	1.980	0.027	12	3	2	2
PL.14727	PL.14724	C	6 A (CWC)	7.32Y	122.0	0.03	3.01	12.08	9	85	23	97	0.02	0.0	1.960	0.053	0	0	0	16
PL.14728	PL.14727	C	6 A (CWC)	7.32Y	122.0	0.03	3.04	12.08	9	85	23	97	0.02	0.0	2.008	0.048	0	0	0	16
PL.14775	PL.14728	C	#4 ACSR	7.32Y	121.9	0.02	3.06	11.29	9	80	21	97	0.01	0.0	2.057	0.049	11	3	1	10
PL.14776	PL.14775	C	#4 ACSR	7.32Y	121.9	0.01	3.08	9.71	7	69	18	97	0.01	0.0	2.091	0.034	17	4	2	9
PL.14259	PL.14776	C	#4 ACSR	7.32Y	121.9	0.00	3.08	0.59	0	4	1	97	0.00	0.0	2.141	0.050	4	1	1	1
PL.14518	PL.14776	C	#4 ACSR	7.31Y	121.9	0.01	3.09	5.43	4	38	10	97	0.00	0.0	2.139	0.047	17	5	2	4
PL.14260	PL.14518	C	#2 ACSR	7.31Y	121.9	0.00	3.09	0.00	0	0	0	100	0.00	0.0	2.148	0.010	0	0	0	0
PL.14519	PL.14518	C	#4 ACSR	7.31Y	121.9	0.00	3.09	2.97	2	21	6	96	0.00	0.0	2.173	0.034	21	6	2	2
PL.14258	PL.14776	C	#2 ACSR	7.32Y	121.9	0.00	3.08	1.33	1	9	3	95	0.00	0.0	2.115	0.024	9	3	2	2
PL.14731	PL.14728	C	6 A (CWC)	7.32Y	122.0	0.01	3.05	0.79	1	6	1	99	0.00	0.0	2.181	0.172	0	0	0	6
PL.14732	PL.14731	C	6 A (CWC)	7.32Y	121.9	0.00	3.05	0.79	1	6	1	99	0.00	0.0	2.315	0.135	1	0	1	6
PL.14729	PL.14732	C	#4 ACSR	7.32Y	121.9	0.00	3.05	0.65	0	5	1	98	0.00	0.0	2.442	0.127	1	0	2	5
PL.14730	PL.14729	C	#4 ACSR	7.32Y	121.9	0.00	3.06	0.55	0	4	1	97	0.00	0.0	2.503	0.062	4	1	2	3
PL.65702	PL.14730	C	#2 ACSR	7.32Y	121.9	0.00	3.06	0.00	0	0	0	100	0.00	0.0	2.560	0.057	0	0	1	1
PL.65703	PL.65702	C	#2 ACSR	7.32Y	121.9	0.00	3.06	0.00	0	0	0	100	0.00	0.0	2.567	0.006	0	0	0	0
PL.14968	PL.14759	A	#2 ACSR	7.33Y	122.2	0.00	2.83	5.30	3	38	10	97	0.00	0.0	1.600	0.005	0	0	0	6
PD.2319	PL.14968	A	30T	7.33Y	122.2	0.00	2.83	5.30	0	38	10	97	0.00	0.0	1.600	0.005	0	0	0	6
PL.14969	PD.2319	A	#2 ACSR	7.33Y	122.2	0.01	2.84	5.30	3	38	10	97	0.00	0.0	1.649	0.049	11	3	3	6
PL.14254	PL.14969	A	#2 ACSR	7.33Y	122.2	0.00	2.84	2.19	1	16	4	97	0.00	0.0	1.722	0.072	16	4	2	2
PL.14253	PL.14969	A	#2 ACSR	7.33Y	122.2	0.00	2.84	1.59	1	11	3	96	0.00	0.0	1.683	0.034	11	3	1	1
PL.14980	PL.14773	B	#2 ACSR	7.33Y	122.2	0.00	2.79	1.86	1	13	4	96	0.00	0.0	1.498	0.005	0	0	0	1

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Balanced Voltage Drop Report
Source: Booneville

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.2325	PL.14980	B	30T	7.33Y	122.2	0.00	2.79	1.86	0	13	4	96	0.00	0.0	1.498	0.005	0	0	0	1
PL.14981	PD.2325	B	#2 ACSR	7.33Y	122.2	0.00	2.79	1.86	1	13	4	96	0.00	0.0	1.535	0.037	13	4	1	1
PL.14978	PL.15083	A	#2 ACSR	7.34Y	122.3	0.00	2.73	0.30	0	2	1	89	0.00	0.0	1.359	0.005	0	0	0	1
PD.2324	PL.14978	A	30T	7.34Y	122.3	0.00	2.73	0.30	0	2	1	89	0.00	0.0	1.359	0.005	0	0	0	1
PL.14979	PD.2324	A	#2 ACSR	7.34Y	122.3	0.00	2.73	0.30	0	2	1	89	0.00	0.0	1.382	0.023	2	1	1	1
PL.14621	PL.14397	ABC	#4 ACSR	7.36Y	122.7	0.01	2.29	2.09	2	43	17	93	0.00	0.0	1.131	0.114	0	0	0	4
PL.14622	PL.14621	ABC	#4 ACSR	7.36Y	122.7	0.00	2.29	1.44	1	30	10	95	0.00	0.0	1.167	0.036	30	10	3	3
PL.14251	PL.14621	ABC	#4 ACSR	7.36Y	122.7	0.00	2.29	0.65	1	13	6	91	0.00	0.0	1.162	0.031	13	6	1	1
PL.15026	PL.14393	C	8 A (CWC)	7.40Y	123.4	0.00	1.64	0.16	0	1	0	100	0.00	0.0	0.654	0.004	0	0	0	1
PD.2348	PL.15026	C	65T	7.40Y	123.4	0.00	1.64	0.16	0	1	0	100	0.00	0.0	0.654	0.004	0	0	0	1
PL.15027	PD.2348	C	8 A (CWC)	7.40Y	123.4	0.00	1.64	0.16	0	1	0	100	0.00	0.0	0.661	0.007	0	0	0	1
PL.14249	PL.15027	C	#4 ACSR	7.40Y	123.4	0.00	1.64	0.16	0	1	0	100	0.00	0.0	0.788	0.127	0	0	0	1
PL.14396	PL.14249	C	#4 ACSR	7.40Y	123.4	0.00	1.64	0.16	0	1	0	100	0.00	0.0	0.889	0.101	1	0	1	1
PL.15060	PL.14391	C	6 A (CWC)	7.46Y	124.4	0.00	0.58	0.38	0	3	1	95	0.00	0.0	0.235	0.004	0	0	0	1
PD.2365	PL.15060	C	65T	7.46Y	124.4	0.00	0.58	0.38	0	3	1	95	0.00	0.0	0.235	0.004	0	0	0	1
PL.15061	PD.2365	C	6 A (CWC)	7.46Y	124.4	0.00	0.58	0.38	0	3	1	95	0.00	0.0	0.328	0.093	3	1	1	1
PL.16238	Booneville	ABC	336 MCM AC	7.50Y	125.0	0.01	0.01	150.40	29	3226	1021	95	0.08	0.0	0.004	0.004	0	0	0	494
PL.72516	PL.16238	ABC	336 MCM AC	7.50Y	125.0	0.00	0.01	150.40	29	3226	1020	95	0.06	0.0	0.007	0.003	0	0	0	494
---------- Feeder No. 3 (Levi F3) Beginning with Device PD.10794 ----------																				
PD.10794	PL.72516	ABC	480VWE	7.50Y	125.0	0.00	0.01	150.40	0	3226	1020	95	0.00	0.0	0.007	0.003	0	0	0	494
PL.72517	PD.10794	ABC	336 MCM AC	7.49Y	124.9	0.11	0.11	150.40	29	3226	1020	95	1.72	0.1	0.097	0.090	0	0	0	494
PL.16084	PL.72517	C	#1/0 ACSR	7.49Y	124.9	0.00	0.12	4.28	2	31	8	97	0.00	0.0	0.114	0.017	0	0	0	7
PD.2442	PL.16084	C	20T	7.49Y	124.9	0.00	0.12	4.28	0	31	8	97	0.00	0.0	0.114	0.017	0	0	0	7
PL.16085	PD.2442	C	#1/0 ACSR	7.49Y	124.9	0.00	0.12	4.28	2	31	8	97	0.00	0.0	0.135	0.021	7	2	1	7
PL.15954	PL.16085	C	#1/0 ACSR	7.49Y	124.9	0.00	0.12	3.30	1	24	6	97	0.00	0.0	0.179	0.043	0	0	1	6
PL.15927	PL.15954	C	6 A (CWC)	7.49Y	124.9	0.00	0.12	3.30	2	24	6	97	0.00	0.0	0.195	0.016	10	3	1	5
PL.15928	PL.15927	C	6 A (CWC)	7.49Y	124.9	0.00	0.12	1.98	1	14	4	96	0.00	0.0	0.217	0.022	3	1	1	4
PL.15255	PL.15928	C	6 A (CWC)	7.49Y	124.9	0.01	0.13	1.55	1	11	3	96	0.00	0.0	0.294	0.078	0	0	0	3
PL.15925	PL.15255	C	6 A (CWC)	7.49Y	124.9	0.01	0.14	1.55	1	11	3	96	0.00	0.0	0.448	0.154	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: Booneville

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.15926	PL.15925	C	6 A (CWC)	7.49Y	124.9	0.00	0.14	1.52	1	11	3	96	0.00	0.0	0.510	0.062	8	2	1	2
PL.15257	PL.15926	C	#4 ACSR	7.49Y	124.9	0.00	0.14	0.42	0	3	1	95	0.00	0.0	0.545	0.035	0	0	0	1
PL.15256	PL.15257	C	6 A (CWC)	7.49Y	124.9	0.00	0.14	0.42	0	3	1	95	0.00	0.0	0.580	0.035	3	1	1	1
PL.15789	PL.72517	ABC	336 MCM AC	7.48Y	124.7	0.16	0.28	148.97	29	3194	1008	95	2.63	0.1	0.238	0.141	2	1	1	487
PL.15890	PL.15789	ABC	336 MCM AC	7.48Y	124.6	0.09	0.36	146.41	28	3135	987	95	1.36	0.0	0.313	0.075	1	0	1	476
PL.15259	PL.15890	C	6 A (CWC)	7.47Y	124.6	0.07	0.43	18.44	13	133	36	97	0.07	0.0	0.394	0.080	0	0	0	21
PL.15261	PL.15259	C	6 A (CWC)	7.47Y	124.6	0.00	0.43	18.44	13	133	36	97	0.00	0.0	0.396	0.002	0	0	0	21
PD.2512	PL.15261	C	50L	7.47Y	124.6	0.00	0.43	18.44	37	133	36	97	0.00	0.0	0.396	0.002	0	0	0	21
PL.15830	PD.2512	C	6 A (CWC)	7.47Y	124.6	0.00	0.43	18.44	13	133	36	97	0.00	0.0	0.397	0.002	0	0	0	21
PL.15938	PL.15830	C	6 A (CWC)	7.47Y	124.5	0.02	0.46	17.56	13	127	34	97	0.02	0.0	0.429	0.032	14	4	1	20
PL.15939	PL.15938	C	6 A (CWC)	7.47Y	124.5	0.03	0.49	15.66	11	113	30	97	0.02	0.0	0.473	0.044	11	3	2	19
PL.15888	PL.15939	C	6 A (CWC)	7.47Y	124.5	0.04	0.52	14.20	10	102	28	96	0.03	0.0	0.530	0.058	5	1	1	17
PL.15889	PL.15888	C	6 A (CWC)	7.47Y	124.5	0.02	0.54	3.32	2	24	6	97	0.00	0.0	0.634	0.104	0	0	1	4
PL.15264	PL.15889	C	6 A (CWC)	7.47Y	124.5	0.00	0.54	2.13	2	15	4	97	0.00	0.0	0.689	0.055	15	4	1	1
PL.15263	PL.15889	C	6 A (CWC)	7.47Y	124.5	0.00	0.54	1.17	1	8	2	97	0.00	0.0	0.692	0.058	8	2	1	1
PL.15265	PL.15889	C	6 A (CWC)	7.47Y	124.5	0.00	0.54	0.00	0	0	0	100	0.00	0.0	0.710	0.075	0	0	1	1
PL.15929	PL.15888	C	6 A (CWC)	7.47Y	124.4	0.04	0.56	10.17	7	73	20	96	0.02	0.0	0.615	0.084	6	2	1	12
PL.15930	PL.15929	C	6 A (CWC)	7.47Y	124.4	0.01	0.57	9.31	7	67	18	97	0.00	0.0	0.629	0.015	0	0	0	11
PL.15931	PL.15930	C	#4 ACSR	7.47Y	124.4	0.01	0.57	4.49	3	32	9	96	0.00	0.0	0.656	0.027	1	0	2	6
PL.15932	PL.15931	C	#4 ACSR	7.47Y	124.4	0.01	0.58	4.29	3	31	8	97	0.00	0.0	0.696	0.040	8	2	2	4
PL.15267	PL.15932	C	#4 ACSR	7.47Y	124.4	0.00	0.58	3.25	3	23	6	97	0.00	0.0	0.730	0.034	23	6	2	2
PL.15268	PL.15930	C	6 A (CWC)	7.46Y	124.4	0.02	0.58	3.48	2	25	7	96	0.00	0.0	0.747	0.118	0	0	0	4
PL.15269	PL.15268	C	#4 ACSR	7.46Y	124.4	0.00	0.59	3.48	3	25	7	96	0.00	0.0	0.770	0.022	0	0	0	4
PL.15790	PL.15269	C	#4 ACSR	7.46Y	124.4	0.01	0.60	2.56	2	18	5	96	0.00	0.0	0.847	0.077	0	0	0	3
PL.15271	PL.15790	C	#1/0 ACSR	7.46Y	124.4	0.00	0.60	2.56	1	18	5	96	0.00	0.0	0.867	0.020	18	5	3	3
PL.15270	PL.15269	C	#2 ACSR	7.46Y	124.4	0.00	0.59	0.92	1	7	2	96	0.00	0.0	0.807	0.038	7	2	1	1
PL.15266	PL.15930	C	#2 ACSR	7.47Y	124.4	0.00	0.57	1.34	1	10	3	96	0.00	0.0	0.688	0.059	10	3	1	1
PL.15262	PL.15830	C	#4 ACSR	7.47Y	124.6	0.00	0.43	0.88	1	6	2	95	0.00	0.0	0.467	0.070	6	2	1	1
PL.15272	PL.15262	C	#4 ACSR	7.47Y	124.6	0.00	0.43	0.00	0	0	0	100	0.00	0.0	0.507	0.040	0	0	0	0
PL.15940	PL.15890	ABC	336 MCM AC	7.47Y	124.6	0.07	0.44	138.72	27	2967	939	95	1.13	0.0	0.383	0.070	6	2	2	450
PL.15941	PL.15940	ABC	336 MCM AC	7.47Y	124.5	0.04	0.48	138.42	27	2960	934	95	0.59	0.0	0.420	0.037	15	4	2	448

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Balanced Voltage Drop Report
Source: Booneville

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.16088	PL.15941	A	6 A (CWC)	7.47Y	124.5	0.00	0.48	0.78	1	6	2	95	0.00	0.0	0.425	0.005	0	0	0	1
PD.2444	PL.16088	A	65T	7.47Y	124.5	0.00	0.48	0.78	0	6	2	95	0.00	0.0	0.425	0.005	0	0	0	1
PL.16089	PD.2444	A	6 A (CWC)	7.47Y	124.5	0.00	0.48	0.78	1	6	2	95	0.00	0.0	0.475	0.050	6	2	1	1
PL.15273	PL.15941	C	6 A (CWC)	7.47Y	124.5	0.00	0.48	1.58	1	11	3	96	0.00	0.0	0.425	0.005	0	0	0	3
PD.2493	PL.15273	C	65T	7.47Y	124.5	0.00	0.48	1.58	0	11	3	96	0.00	0.0	0.425	0.005	0	0	0	3
PL.15791	PD.2493	C	6 A (CWC)	7.47Y	124.5	0.00	0.48	1.58	1	11	3	96	0.00	0.0	0.467	0.043	11	3	3	3
PL.15891	PD.2493	C	#1/0 ACSR	7.47Y	124.5	0.00	0.48	0.00	0	0	0	100	0.00	0.0	0.429	0.004	0	0	0	0
PL.15892	PL.15891	C	#1/0 ACSR	7.47Y	124.5	0.00	0.48	0.00	0	0	0	100	0.00	0.0	0.429	0.000	0	0	0	0
PL.15274	PL.15892	C	#1/0 ACSR	7.47Y	124.5	0.00	0.48	0.00	0	0	0	100	0.00	0.0	0.457	0.028	0	0	0	0
PL.15893	PL.15941	ABC	336 MCM AC	7.47Y	124.4	0.10	0.57	136.96	26	2927	925	95	1.44	0.0	0.511	0.091	0	0	0	442
PL.15945	PL.15893	ABC	336 MCM AC	7.46Y	124.4	0.04	0.61	136.03	26	2906	916	95	0.53	0.0	0.545	0.034	9	3	1	441
PL.15946	PL.15945	ABC	336 MCM AC	7.46Y	124.3	0.05	0.66	135.60	26	2896	912	95	0.75	0.0	0.594	0.049	5	1	1	440
PL.15947	PL.15946	ABC	336 MCM AC	7.46Y	124.3	0.05	0.71	135.36	26	2890	909	95	0.69	0.0	0.638	0.045	0	0	0	439
PL.16216	PL.15947	A	#1/0 ACSR	7.46Y	124.3	0.00	0.71	10.77	5	78	21	97	0.00	0.0	0.641	0.003	0	0	0	14
PD.2513	PL.16216	A	50L	7.46Y	124.3	0.00	0.71	10.77	22	78	21	97	0.00	0.0	0.641	0.003	0	0	0	14
PL.16217	PD.2513	A	#1/0 ACSR	7.46Y	124.3	0.02	0.73	10.77	5	78	21	97	0.01	0.0	0.725	0.084	0	0	0	14
PL.15276	PL.16217	A	6 A (CWC)	7.46Y	124.3	0.00	0.73	0.84	1	6	2	95	0.00	0.0	0.787	0.062	6	2	1	1
PL.15826	PL.16217	A	#1/0 ACSR	7.46Y	124.3	0.02	0.74	8.22	4	59	16	97	0.01	0.0	0.813	0.088	5	1	1	12
PL.15277	PL.15826	A	6 A (CWC)	7.45Y	124.2	0.03	0.77	7.57	5	55	15	96	0.01	0.0	0.901	0.088	0	0	2	11
PL.15278	PL.15277	A	6 A (CWC)	7.45Y	124.2	0.06	0.83	7.57	5	55	15	96	0.02	0.0	1.077	0.176	9	2	1	9
PL.15279	PL.15278	A	#4 ACSR	7.45Y	124.1	0.04	0.87	6.30	5	45	12	97	0.01	0.0	1.204	0.127	0	0	0	8
PL.15280	PL.15279	A	#1/0 ACSR	7.45Y	124.1	0.00	0.87	1.39	1	10	3	96	0.00	0.0	1.235	0.031	10	3	1	1
PL.15950	PL.15279	A	#4 ACSR	7.45Y	124.1	0.04	0.90	4.91	4	35	9	97	0.01	0.0	1.387	0.183	6	2	2	7
PL.15951	PL.15950	A	#4 ACSR	7.45Y	124.1	0.01	0.91	4.13	3	30	8	97	0.00	0.0	1.431	0.045	0	0	0	5
PL.15281	PL.15951	A	#4 ACSR	7.45Y	124.1	0.00	0.91	4.13	3	30	8	97	0.00	0.0	1.447	0.016	16	4	3	5
PL.15952	PL.15281	A	#2 ACSR	7.45Y	124.1	0.00	0.91	1.85	1	13	4	96	0.00	0.0	1.475	0.028	13	3	1	2
PL.15953	PL.15952	A	#2 ACSR	7.45Y	124.1	0.00	0.91	0.10	0	1	0	100	0.00	0.0	1.596	0.121	1	0	1	1
PL.15275	PL.16217	A	6 A (CWC)	7.46Y	124.3	0.00	0.73	1.71	1	12	3	97	0.00	0.0	0.749	0.024	12	3	1	1
PL.15948	PL.15947	ABC	336 MCM AC	7.46Y	124.3	0.04	0.75	131.77	25	2812	886	95	0.61	0.0	0.680	0.042	10	3	2	425
PL.15949	PL.15948	ABC	336 MCM AC	7.45Y	124.2	0.04	0.79	131.32	25	2801	882	95	0.55	0.0	0.718	0.038	3	1	2	423
PL.15282	PL.15949	ABC	#4 ACSR	7.45Y	124.2	0.00	0.79	1.77	1	37	14	94	0.00	0.0	0.723	0.005	0	0	0	4

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Balanced Voltage Drop Report
Source: Booneville

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.2508	PL.15282	ABC	65T	7.45Y	124.2	0.00	0.79	1.77	0	37	14	94	0.00	0.0	0.723	0.005	0	0	0	4
PL.15792	PD.2508	ABC	#4 ACSR	7.45Y	124.2	0.00	0.79	1.20	1	25	11	92	0.00	0.0	0.809	0.086	5	1	2	3
PL.15283	PL.15792	ABC	#4 ACSR	7.45Y	124.2	0.00	0.79	0.97	1	19	9	90	0.00	0.0	0.851	0.041	19	9	1	1
PL.15897	PD.2508	A	#4 ACSR	7.45Y	124.2	0.00	0.79	1.72	1	12	3	97	0.00	0.0	0.732	0.009	0	0	0	1
PL.15898	PL.15897	A	#4 ACSR	7.45Y	124.2	0.00	0.79	1.72	1	12	3	97	0.00	0.0	0.732	0.000	0	0	0	1
PL.15833	PL.15898	A	#4 ACSR	7.45Y	124.2	0.00	0.79	1.72	1	12	3	97	0.00	0.0	0.745	0.013	12	3	1	1
PL.15899	PL.15949	ABC	336 MCM AC	7.45Y	124.1	0.07	0.86	129.39	25	2760	866	95	0.97	0.0	0.787	0.069	0	0	0	417
PL.16218	PL.15899	B	#4 ACSR	7.45Y	124.1	0.00	0.86	14.86	11	107	29	97	0.00	0.0	0.790	0.003	0	0	0	22
PD.2514	PL.16218	B	50L	7.45Y	124.1	0.00	0.86	14.86	30	107	29	97	0.00	0.0	0.790	0.003	0	0	0	22
PL.16219	PD.2514	B	#4 ACSR	7.45Y	124.1	0.04	0.89	14.86	11	107	29	97	0.03	0.0	0.846	0.056	8	2	3	22
PL.15955	PL.16219	B	#4 ACSR	7.44Y	124.1	0.02	0.92	13.77	11	99	27	96	0.02	0.0	0.890	0.043	26	7	3	19
PL.15956	PL.15955	B	#4 ACSR	7.44Y	124.1	0.01	0.92	10.21	8	73	20	96	0.00	0.0	0.908	0.018	18	5	1	16
PL.15284	PL.15956	B	#4 ACSR	7.44Y	124.1	0.00	0.93	0.95	1	7	2	96	0.00	0.0	0.971	0.063	7	2	3	3
PL.15894	PL.15956	B	#4 ACSR	7.44Y	124.1	0.01	0.93	6.78	5	49	13	97	0.00	0.0	0.935	0.027	0	0	0	12
PL.15285	PL.15894	B	#4 ACSR	7.44Y	124.1	0.00	0.93	0.68	1	5	1	98	0.00	0.0	1.013	0.078	5	1	1	1
PL.16092	PL.15894	B	#4 ACSR	7.44Y	124.1	0.00	0.93	6.10	5	44	12	96	0.00	0.0	0.940	0.005	0	0	0	11
PD.2446	PL.16092	B	40T	7.44Y	124.1	0.00	0.93	6.10	0	44	12	96	0.00	0.0	0.940	0.005	0	0	0	11
PL.16093	PD.2446	B	#4 ACSR	7.44Y	124.1	0.01	0.95	6.10	5	44	12	96	0.00	0.0	0.985	0.045	0	0	0	11
PL.15723	PL.16093	B	#4 ACSR	7.44Y	124.0	0.01	0.95	6.10	5	44	12	96	0.00	0.0	1.019	0.034	30	8	7	11
PL.15724	PL.15723	B	#4 ACSR	7.44Y	124.0	0.00	0.95	1.92	1	14	4	96	0.00	0.0	1.038	0.019	14	4	4	4
PL.15957	PL.15899	ABC	336 MCM AC	7.44Y	124.1	0.07	0.92	121.83	23	2596	820	95	0.89	0.0	0.859	0.071	14	4	3	391
PL.15958	PL.15957	ABC	336 MCM AC	7.44Y	124.0	0.03	0.95	121.18	23	2581	814	95	0.36	0.0	0.888	0.030	0	0	1	388
PL.15793	PL.15958	ABC	336 MCM AC	7.44Y	124.0	0.04	0.99	120.27	23	2561	808	95	0.47	0.0	0.926	0.038	0	0	1	385
PL.16184	PL.15793	C	6 A (CWC)	7.44Y	124.0	0.00	0.99	0.85	1	6	2	95	0.00	0.0	0.931	0.005	0	0	0	2
PD.2495	PL.16184	C	65T	7.44Y	124.0	0.00	0.99	0.85	0	6	2	95	0.00	0.0	0.931	0.005	0	0	0	2
PL.16185	PD.2495	C	6 A (CWC)	7.44Y	124.0	0.00	0.99	0.85	1	6	2	95	0.00	0.0	0.956	0.025	6	2	2	2
PL.16096	PL.15793	A	6 A (CWC)	7.44Y	124.0	0.00	0.99	4.37	3	31	8	97	0.00	0.0	0.931	0.005	0	0	0	3
PD.2448	PL.16096	A	65T	7.44Y	124.0	0.00	0.99	4.37	0	31	8	97	0.00	0.0	0.931	0.005	0	0	0	3
PL.16097	PD.2448	A	6 A (CWC)	7.44Y	124.0	0.01	0.99	4.37	3	31	8	97	0.00	0.0	0.967	0.036	15	4	1	3
PL.15961	PL.16097	A	6 A (CWC)	7.44Y	124.0	0.00	0.99	2.24	2	16	4	97	0.00	0.0	0.994	0.027	11	3	1	2
PL.15726	PL.15961	A	#1/0 ACSR	7.44Y	124.0	0.00	1.00	0.77	0	6	1	99	0.00	0.0	1.033	0.039	6	1	1	1

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Balanced Voltage Drop Report
Source: Booneville

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.15904	PL.15793	ABC	336 MCM AC	7.44Y	124.0	0.05	1.03	118.53	23	2523	797	95	0.59	0.0	0.977	0.050	3	1	2	379
PL.16098	PL.15904	C	#4 ACSR	7.44Y	124.0	0.00	1.03	2.24	2	16	4	97	0.00	0.0	0.981	0.005	0	0	0	3
PD.2449	PL.16098	C	65T	7.44Y	124.0	0.00	1.03	2.24	0	16	4	97	0.00	0.0	0.981	0.005	0	0	0	3
PL.16099	PD.2449	C	#4 ACSR	7.44Y	124.0	0.00	1.03	2.24	2	16	4	97	0.00	0.0	1.009	0.027	16	4	3	3
PL.15959	PL.15904	ABC	336 MCM AC	7.44Y	123.9	0.03	1.06	117.66	23	2504	790	95	0.34	0.0	1.006	0.029	4	1	1	374
PL.15960	PL.15959	ABC	336 MCM AC	7.43Y	123.9	0.05	1.11	117.48	23	2500	789	95	0.58	0.0	1.056	0.051	22	6	2	373
PL.15962	PL.15960	ABC	336 MCM AC	7.43Y	123.9	0.04	1.15	116.29	22	2473	780	95	0.54	0.0	1.104	0.048	3	1	1	370
PL.15968	PL.15962	ABC	336 MCM AC	7.43Y	123.8	0.02	1.16	116.15	22	2470	778	95	0.20	0.0	1.121	0.018	24	6	7	369
PL.15969	PL.15968	ABC	336 MCM AC	7.43Y	123.8	0.04	1.20	115.04	22	2446	771	95	0.44	0.0	1.161	0.039	0	0	0	362
PL.15965	PL.15969	ABC	336 MCM AC	7.43Y	123.8	0.04	1.24	115.04	22	2445	770	95	0.53	0.0	1.208	0.048	0	0	0	362
PL.16108	PL.15965	C	#4 ACSR	7.43Y	123.8	0.00	1.24	1.86	1	13	4	96	0.00	0.0	1.213	0.005	0	0	0	2
PD.2454	PL.16108	C	65T	7.43Y	123.8	0.00	1.24	1.86	0	13	4	96	0.00	0.0	1.213	0.005	0	0	0	2
PL.16109	PD.2454	C	#4 ACSR	7.43Y	123.8	0.00	1.24	1.86	1	13	4	96	0.00	0.0	1.240	0.027	13	4	2	2
PL.15966	PL.15965	ABC	336 MCM AC	7.42Y	123.7	0.04	1.28	114.42	22	2431	765	95	0.52	0.0	1.256	0.048	6	2	1	360
PL.15967	PL.15966	ABC	336 MCM AC	7.42Y	123.7	0.03	1.32	114.14	22	2425	763	95	0.42	0.0	1.294	0.038	0	0	0	359
PL.16110	PL.15967	A	6 A (CWC)	7.42Y	123.7	0.00	1.32	1.33	1	10	3	96	0.00	0.0	1.299	0.005	0	0	0	2
PD.2455	PL.16110	A	65T	7.42Y	123.7	0.00	1.32	1.33	0	10	3	96	0.00	0.0	1.299	0.005	0	0	0	2
PL.16111	PD.2455	A	6 A (CWC)	7.42Y	123.7	0.00	1.32	1.33	1	10	3	96	0.00	0.0	1.371	0.072	9	3	2	2
PL.15910	PL.15967	ABC	336 MCM AC	7.42Y	123.6	0.06	1.38	113.70	22	2415	759	95	0.78	0.0	1.366	0.072	17	5	1	357
PL.15911	PL.15910	ABC	336 MCM AC	7.41Y	123.6	0.06	1.44	112.40	22	2386	750	95	0.68	0.0	1.430	0.064	0	0	1	354
PL.16104	PL.15911	A	6 A (CWC)	7.41Y	123.6	0.00	1.44	2.08	1	15	4	97	0.00	0.0	1.435	0.005	0	0	0	2
PD.2452	PL.16104	A	50T	7.41Y	123.6	0.00	1.44	2.08	0	15	4	97	0.00	0.0	1.435	0.005	0	0	0	2
PL.16105	PD.2452	A	6 A (CWC)	7.41Y	123.6	0.00	1.44	2.08	1	15	4	97	0.00	0.0	1.469	0.034	15	4	2	2
PL.15903	PL.15911	ABC	336 MCM AC	7.41Y	123.5	0.06	1.49	111.70	22	2370	744	95	0.69	0.0	1.496	0.066	0	0	0	351
PL.16186	PL.15903	C	#2 ACSR	7.41Y	123.5	0.00	1.49	0.00	0	0	0	100	0.00	0.0	1.500	0.005	0	0	0	1
PD.2496	PL.16186	C	65T	7.41Y	123.5	0.00	1.49	0.00	0	0	0	100	0.00	0.0	1.500	0.005	0	0	0	1
PL.16187	PD.2496	C	#1/0 ACSR	7.41Y	123.5	0.00	1.49	0.00	0	0	0	100	0.00	0.0	1.528	0.028	0	0	1	1
PL.16106	PL.15903	A	#1/0 ACSR	7.41Y	123.5	0.00	1.49	1.39	1	10	3	96	0.00	0.0	1.500	0.005	0	0	0	1
PD.2453	PL.16106	A	50T	7.41Y	123.5	0.00	1.49	1.39	0	10	3	96	0.00	0.0	1.500	0.005	0	0	0	1
PL.16107	PD.2453	A	#1/0 ACSR	7.41Y	123.5	0.00	1.49	1.39	1	10	3	96	0.00	0.0	1.553	0.053	10	3	1	1
PL.15963	PL.15903	ABC	336 MCM AC	7.41Y	123.5	0.04	1.53	111.24	21	2360	740	95	0.48	0.0	1.541	0.046	0	0	1	349

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: Booneville

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.15964	PL.15963	ABC	336 MCM AC	7.40Y	123.4	0.08	1.62	111.23	21	2359	739	95	1.02	0.0	1.639	0.097	0	0	0	348
PL.15728	PL.15964	ABC	336 MCM AC	7.40Y	123.4	0.02	1.63	111.08	21	2355	735	95	0.23	0.0	1.661	0.022	0	0	0	347
PL.15970	PL.15728	ABC	336 MCM AC	7.40Y	123.3	0.03	1.67	111.08	21	2355	734	95	0.38	0.0	1.697	0.036	0	0	0	347
PL.15971	PL.15970	ABC	336 MCM AC	7.40Y	123.3	0.05	1.72	111.08	21	2354	733	95	0.63	0.0	1.758	0.061	0	0	0	347
PL.16116	PL.15971	C	#1/0 ACSR	7.40Y	123.3	0.00	1.72	1.24	1	9	2	98	0.00	0.0	1.763	0.005	0	0	0	1
PD.2458	PL.16116	C	50T	7.40Y	123.3	0.00	1.72	1.24	0	9	2	98	0.00	0.0	1.763	0.005	0	0	0	1
PL.16117	PD.2458	C	#1/0 ACSR	7.40Y	123.3	0.00	1.72	1.24	1	9	2	98	0.00	0.0	1.804	0.041	9	2	1	1
PL.15794	PL.15971	ABC	336 MCM AC	7.39Y	123.2	0.10	1.82	110.66	21	2345	730	95	1.17	0.1	1.872	0.114	0	0	0	346
PL.16112	PL.15794	C	#4 ACSR	7.39Y	123.2	0.00	1.82	2.73	2	19	5	97	0.00	0.0	1.877	0.005	0	0	0	4
PD.2456	PL.16112	C	65T	7.39Y	123.2	0.00	1.82	2.73	0	19	5	97	0.00	0.0	1.877	0.005	0	0	0	4
PL.16113	PD.2456	C	#4 ACSR	7.39Y	123.2	0.01	1.82	2.73	2	19	5	97	0.00	0.0	1.936	0.059	0	0	1	4
PL.15972	PL.16113	C	#4 ACSR	7.39Y	123.2	0.01	1.83	2.73	2	19	5	97	0.00	0.0	2.047	0.111	19	5	3	3
PL.15900	PL.15794	ABC	336 MCM AC	7.39Y	123.1	0.05	1.87	109.75	21	2324	722	95	0.62	0.0	1.934	0.062	1	0	1	342
PL.16214	PL.15900	ABC	336 MCM AC	7.38Y	123.1	0.05	1.92	108.47	21	2296	713	96	0.61	0.0	1.995	0.061	0	0	0	337
PD.2511-A	PL.16214	ABC	Closed	7.38Y	123.1	0.00	1.92	108.47	0	2295	711	96	0.00	0.0	1.995	0.061	0	0	0	337
PD.2511-B	PD.2511-A	ABC	Closed	7.38Y	123.1	0.00	1.92	108.47	0	2295	711	96	0.00	0.0	1.995	0.061	0	0	0	337
PL.16215	PD.2511-B	ABC	336 MCM AC	7.38Y	123.0	0.10	2.01	108.47	21	2295	711	96	1.13	0.0	2.109	0.114	0	0	0	337
PL.15983	PL.16215	ABC	336 MCM AC	7.37Y	122.9	0.07	2.08	107.69	21	2278	704	96	0.82	0.0	2.193	0.084	0	0	1	336
PL.15984	PL.15983	ABC	336 MCM AC	7.37Y	122.9	0.04	2.12	107.68	21	2277	702	96	0.43	0.0	2.238	0.044	10	3	1	335
PL.16222	PL.15984	B	6 A (CWC)	7.37Y	122.9	0.02	2.14	12.82	9	91	25	96	0.01	0.0	2.265	0.028	0	0	0	16
PD.2516	PL.16222	B	50L	7.37Y	122.9	0.00	2.14	12.82	26	91	25	96	0.00	0.0	2.265	0.028	0	0	0	16
PL.16223	PD.2516	B	6 A (CWC)	7.37Y	122.8	0.02	2.16	12.82	9	91	25	96	0.02	0.0	2.306	0.040	0	0	0	16
PL.15733	PL.16223	B	6 A (CWC)	7.37Y	122.8	0.04	2.20	8.93	6	64	17	97	0.02	0.0	2.401	0.096	0	0	0	13
PL.15795	PL.15733	B	6 A (CWC)	7.37Y	122.8	0.04	2.24	8.31	6	59	16	97	0.02	0.0	2.514	0.112	0	0	0	12
PL.15912	PL.15795	B	6 A (CWC)	7.36Y	122.7	0.06	2.30	8.31	6	59	16	97	0.02	0.0	2.672	0.159	7	2	1	12
PL.15913	PL.15912	B	6 A (CWC)	7.36Y	122.7	0.03	2.33	7.33	5	52	14	97	0.01	0.0	2.766	0.094	0	0	0	11
PL.15862	PL.15913	B	6 A (CWC)	7.36Y	122.6	0.03	2.36	7.33	5	52	14	97	0.01	0.0	2.865	0.098	0	0	0	11
PL.15977	PL.15862	B	6 A (CWC)	7.36Y	122.6	0.03	2.40	7.33	5	52	14	97	0.01	0.0	2.961	0.097	0	0	0	11
PL.15978	PL.15977	B	6 A (CWC)	7.35Y	122.6	0.02	2.42	7.33	5	52	14	97	0.01	0.0	3.033	0.072	0	0	0	11
PL.15737	PL.15978	B	6 A (CWC)	7.35Y	122.6	0.00	2.42	1.13	1	8	2	97	0.00	0.0	3.072	0.039	8	2	2	2
PL.15979	PL.15978	B	6 A (CWC)	7.35Y	122.6	0.01	2.43	6.06	4	43	12	96	0.00	0.0	3.072	0.038	16	4	1	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: Booneville

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.15980	PL.15979	B	6 A (CWC)	7.35Y	122.6	0.02	2.45	3.83	3	27	7	97	0.00	0.0	3.192	0.120	0	0	0	6
PL.15914	PL.15980	B	6 A (CWC)	7.35Y	122.5	0.03	2.48	3.83	3	27	7	97	0.01	0.0	3.365	0.174	0	0	1	6
PL.15738	PL.15914	B	#4 ACSR	7.35Y	122.5	0.00	2.48	0.00	0	0	0	100	0.00	0.0	3.441	0.076	0	0	0	0
PL.15915	PL.15914	B	6 A (CWC)	7.35Y	122.5	0.03	2.51	3.83	3	27	7	97	0.01	0.0	3.521	0.155	0	0	0	5
PL.15739	PL.15915	B	#4 ACSR	7.35Y	122.5	0.00	2.51	0.67	1	5	1	98	0.00	0.0	3.577	0.056	5	1	1	1
PL.15740	PL.15739	B	#4 ACSR	7.35Y	122.5	0.00	2.51	0.00	0	0	0	100	0.00	0.0	3.755	0.179	0	0	0	0
PL.15839	PL.15740	B	#4 ACSR	7.35Y	122.5	0.00	2.51	0.00	0	0	0	100	0.00	0.0	3.829	0.074	0	0	0	0
PL.15796	PL.15915	B	6 A (CWC)	7.35Y	122.5	0.02	2.53	3.16	2	22	6	96	0.00	0.0	3.689	0.168	8	2	1	4
PL.15985	PL.15796	B	#4 ACSR	7.35Y	122.5	0.00	2.53	0.37	0	3	1	95	0.00	0.0	3.764	0.076	3	1	1	1
PL.15986	PL.15985	B	#4 ACSR	7.35Y	122.5	0.00	2.53	0.00	0	0	0	100	0.00	0.0	3.793	0.029	0	0	0	0
PL.15741	PL.15796	B	6 A (CWC)	7.35Y	122.5	0.00	2.53	1.61	1	11	3	96	0.00	0.0	3.774	0.085	11	3	1	2
PL.15742	PL.15741	B	#4 ACSR	7.35Y	122.5	0.00	2.53	0.06	0	0	0	100	0.00	0.0	3.862	0.088	0	0	1	1
PL.15736	PL.15978	B	6 A (CWC)	7.35Y	122.6	0.00	2.42	0.14	0	1	0	100	0.00	0.0	3.140	0.106	0	0	0	2
PL.15838	PL.15736	B	6 A (CWC)	7.35Y	122.6	0.00	2.42	0.14	0	1	0	100	0.00	0.0	3.252	0.112	0	0	0	2
PL.15827	PL.15838	B	6 A (CWC)	7.35Y	122.6	0.00	2.42	0.00	0	0	0	100	0.00	0.0	3.410	0.158	0	0	1	1
PL.15987	PL.15838	B	#4 ACSR	7.35Y	122.6	0.00	2.42	0.14	0	1	0	100	0.00	0.0	3.322	0.070	0	0	0	1
PL.15988	PL.15987	B	#4 ACSR	7.35Y	122.6	0.00	2.42	0.14	0	1	0	100	0.00	0.0	3.370	0.048	1	0	1	1
PL.15735	PL.15912	B	6 A (CWC)	7.36Y	122.7	0.00	2.30	0.00	0	0	0	100	0.00	0.0	2.724	0.051	0	0	0	0
PL.15734	PL.15733	B	#4 ACSR	7.37Y	122.8	0.00	2.20	0.62	0	4	1	97	0.00	0.0	2.472	0.070	4	1	1	1
PL.15981	PL.16223	B	6 A (CWC)	7.37Y	122.8	0.00	2.16	3.88	3	28	7	97	0.00	0.0	2.339	0.034	21	6	1	3
PL.15982	PL.15981	B	6 A (CWC)	7.37Y	122.8	0.00	2.16	0.86	1	6	2	95	0.00	0.0	2.395	0.056	6	2	2	2
PL.15732	PL.15984	ABC	336 MCM AC	7.37Y	122.8	0.04	2.16	102.94	20	2175	674	96	0.42	0.0	2.285	0.047	6	2	2	318
PL.16220	PL.15732	B	#1/0 ACSR	7.37Y	122.8	0.00	2.16	27.55	12	196	53	97	0.00	0.0	2.288	0.003	0	0	0	36
PD.2515	PL.16220	B	50L	7.37Y	122.8	0.00	2.16	27.55	55	196	53	97	0.00	0.0	2.288	0.003	0	0	0	36
PL.16221	PD.2515	B	#1/0 ACSR	7.37Y	122.8	0.04	2.20	27.55	12	196	53	97	0.05	0.0	2.350	0.062	15	4	3	36
PL.15905	PL.16221	B	#1/0 ACSR	7.36Y	122.7	0.06	2.25	25.48	11	181	49	97	0.07	0.0	2.443	0.093	7	2	1	33
PL.16042	PL.15905	B	#1/0 ACSR	7.36Y	122.7	0.06	2.32	24.48	11	174	47	97	0.07	0.0	2.551	0.108	11	3	1	31
PL.16043	PL.16042	B	#1/0 ACSR	7.36Y	122.6	0.05	2.36	22.94	10	163	44	97	0.05	0.0	2.636	0.085	2	0	1	30
PL.16044	PL.16043	B	#1/0 ACSR	7.36Y	122.6	0.04	2.41	22.71	10	161	44	96	0.05	0.0	2.720	0.085	15	4	2	29
PL.15908	PL.16044	B	#4 ACSR	7.36Y	122.6	0.01	2.42	3.82	3	27	7	97	0.00	0.0	2.775	0.054	6	2	1	4
PL.14585	PL.15908	B	#4 ACSR	7.36Y	122.6	0.00	2.42	1.43	1	10	3	96	0.00	0.0	2.793	0.018	10	3	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: Booneville

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.15909	PL.15908	B	#4 ACSR	7.35Y	122.6	0.00	2.42	1.57	1	11	3	96	0.00	0.0	2.819	0.045	11	3	2	2
PL.16047	PL.16044	B	#1/0 ACSR	7.35Y	122.6	0.04	2.44	15.41	7	109	30	96	0.03	0.0	2.823	0.102	3	1	2	21
PL.16048	PL.16047	B	#1/0 ACSR	7.35Y	122.5	0.05	2.49	14.98	7	106	29	96	0.03	0.0	2.954	0.131	0	0	1	19
PL.14586	PL.16048	B	#4 ACSR	7.35Y	122.5	0.00	2.49	0.00	0	0	0	100	0.00	0.0	3.082	0.128	0	0	0	0
PL.15840	PL.14586	B	#4 ACSR	7.35Y	122.5	0.00	2.49	0.00	0	0	0	100	0.00	0.0	3.239	0.157	0	0	0	0
PL.16049	PL.16048	B	#1/0 ACSR	7.35Y	122.5	0.03	2.52	14.92	6	106	29	96	0.02	0.0	3.034	0.081	7	2	1	18
PL.16050	PL.16049	B	#1/0 ACSR	7.35Y	122.5	0.03	2.55	13.95	6	99	27	96	0.02	0.0	3.124	0.090	4	1	1	17
PL.16051	PL.16050	B	#1/0 ACSR	7.34Y	122.4	0.05	2.60	13.42	6	95	26	96	0.03	0.0	3.285	0.160	0	0	0	16
PL.15841	PL.16051	B	#1/0 ACSR	7.34Y	122.4	0.02	2.62	13.42	6	95	26	96	0.01	0.0	3.347	0.062	0	0	0	16
PL.16052	PL.15841	B	#1/0 ACSR	7.34Y	122.3	0.04	2.66	13.42	6	95	26	96	0.03	0.0	3.492	0.145	14	4	1	16
PL.16053	PL.16052	B	#1/0 ACSR	7.34Y	122.3	0.04	2.70	11.48	5	81	22	97	0.02	0.0	3.633	0.141	1	0	1	15
PL.16204	PL.16053	B	6 A (CWC)	7.34Y	122.3	0.00	2.70	2.95	2	21	6	96	0.00	0.0	3.637	0.005	0	0	0	4
PD.2505	PL.16204	B	25T	7.34Y	122.3	0.00	2.70	2.95	0	21	6	96	0.00	0.0	3.637	0.005	0	0	0	4
PL.16205	PD.2505	B	6 A (CWC)	7.34Y	122.3	0.02	2.72	2.95	2	21	6	96	0.00	0.0	3.774	0.137	0	0	0	4
PL.15842	PL.16205	B	6 A (CWC)	7.34Y	122.3	0.02	2.74	2.95	2	21	6	96	0.00	0.0	3.892	0.118	0	0	0	4
PL.15843	PL.15842	B	6 A (CWC)	7.33Y	122.2	0.02	2.75	2.95	2	21	6	96	0.00	0.0	4.015	0.124	0	0	0	4
PL.15771	PL.15843	B	#4 ACSR	7.33Y	122.2	0.01	2.76	2.95	2	21	6	96	0.00	0.0	4.102	0.087	0	0	0	4
PL.15770	PL.15771	B	6 A (CWC)	7.33Y	122.2	0.01	2.78	2.95	2	21	6	96	0.00	0.0	4.183	0.081	0	0	0	4
PL.16057	PL.15770	B	6 A (CWC)	7.33Y	122.2	0.01	2.79	2.95	2	21	6	96	0.00	0.0	4.296	0.113	11	3	1	4
PL.16058	PL.16057	B	6 A (CWC)	7.33Y	122.2	0.00	2.79	1.41	1	10	3	96	0.00	0.0	4.390	0.094	4	1	1	3
PL.15769	PL.16058	B	#2 ACSR	7.33Y	122.2	0.00	2.79	0.81	0	6	2	95	0.00	0.0	4.519	0.129	6	2	1	1
PL.14587	PL.16058	B	#2 ACSR	7.33Y	122.2	0.00	2.79	0.02	0	0	0	100	0.00	0.0	4.421	0.031	0	0	1	1
PL.16059	PL.16053	B	#1/0 ACSR	7.34Y	122.3	0.02	2.72	8.35	4	59	16	97	0.01	0.0	3.727	0.095	14	4	2	10
PL.16064	PL.16059	B	#1/0 ACSR	7.34Y	122.3	0.01	2.73	6.31	3	45	12	97	0.00	0.0	3.793	0.066	6	2	1	8
PL.16065	PL.16064	B	#1/0 ACSR	7.34Y	122.3	0.01	2.74	5.46	2	39	10	97	0.00	0.0	3.882	0.089	3	1	2	7
PL.16174	PL.16065	B	#1/0 ACSR	7.34Y	122.3	0.00	2.74	5.04	2	36	10	96	0.00	0.0	3.887	0.005	0	0	0	5
PD.2489	PL.16174	B	15T	7.34Y	122.3	0.00	2.74	5.04	0	36	10	96	0.00	0.0	3.887	0.005	0	0	0	5
PL.16175	PD.2489	B	#1/0 ACSR	7.33Y	122.2	0.02	2.76	5.04	2	36	10	96	0.00	0.0	4.023	0.136	0	0	0	5
PL.16062	PL.16175	B	#1/0 ACSR	7.33Y	122.2	0.00	2.76	1.08	0	8	2	97	0.00	0.0	4.165	0.142	6	2	1	2
PL.16063	PL.16062	B	6 A (CWC)	7.33Y	122.2	0.00	2.76	0.16	0	1	0	100	0.00	0.0	4.260	0.096	1	0	1	1
PL.14588	PL.16175	B	6 A (CWC)	7.33Y	122.2	0.02	2.77	3.97	3	28	8	96	0.00	0.0	4.123	0.099	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: Booneville

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.15844	PL.14588	B	6 A (CWC)	7.33Y	122.2	0.02	2.79	3.97	3	28	8	96	0.00	0.0	4.215	0.092	0	0	0	3
PL.16172	PL.15844	B	#4 ACSR	7.33Y	122.2	0.00	2.79	2.83	2	20	5	97	0.00	0.0	4.219	0.005	0	0	0	2
PD.2488	PL.16172	B	10T	7.33Y	122.2	0.00	2.79	2.83	0	20	5	97	0.00	0.0	4.219	0.005	0	0	0	2
PL.16173	PD.2488	B	#4 ACSR	7.33Y	122.2	0.02	2.81	2.83	2	20	5	97	0.00	0.0	4.392	0.172	0	0	0	2
PL.16060	PL.16173	B	#4 ACSR	7.33Y	122.2	0.01	2.82	2.83	2	20	5	97	0.00	0.0	4.559	0.167	18	5	1	2
PL.16061	PL.16060	B	#4 ACSR	7.33Y	122.2	0.00	2.83	0.35	0	2	1	89	0.00	0.0	4.680	0.122	0	0	0	1
PL.15845	PL.16061	B	#4 ACSR	7.33Y	122.2	0.00	2.83	0.35	0	2	1	89	0.00	0.0	4.859	0.178	2	1	1	1
PL.15797	PL.15844	B	6 A (CWC)	7.33Y	122.2	0.00	2.79	1.14	1	8	2	97	0.00	0.0	4.342	0.128	8	2	1	1
PL.16045	PL.16044	B	#4 ACSR	7.36Y	122.6	0.00	2.41	1.44	1	10	3	96	0.00	0.0	2.839	0.119	10	3	2	2
PL.16046	PL.16045	B	#4 ACSR	7.36Y	122.6	0.00	2.41	0.00	0	0	0	100	0.00	0.0	2.890	0.051	0	0	0	0
PL.14584	PL.15905	B	#4 ACSR	7.36Y	122.7	0.00	2.25	0.03	0	0	0	100	0.00	0.0	2.517	0.074	0	0	1	1
PL.15901	PL.15732	ABC	336 MCM AC	7.37Y	122.8	0.03	2.19	93.50	18	1973	618	95	0.29	0.0	2.324	0.039	10	3	1	280
PL.15902	PL.15901	ABC	336 MCM AC	7.37Y	122.8	0.06	2.24	92.65	18	1954	613	95	0.56	0.0	2.402	0.078	10	3	1	278
PL.16188	PL.15902	C	6 A (CWC)	7.37Y	122.8	0.00	2.24	0.39	0	3	1	95	0.00	0.0	2.406	0.005	0	0	0	1
PD.2497	PL.16188	C	65T	7.37Y	122.8	0.00	2.24	0.39	0	3	1	95	0.00	0.0	2.406	0.005	0	0	0	1
PL.16189	PD.2497	C	6 A (CWC)	7.37Y	122.8	0.00	2.24	0.39	0	3	1	95	0.00	0.0	2.479	0.073	3	1	1	1
PL.15975	PL.15902	ABC	336 MCM AC	7.36Y	122.7	0.06	2.30	92.06	18	1941	608	95	0.60	0.0	2.486	0.084	1	0	1	275
PL.15976	PL.15975	ABC	336 MCM AC	7.36Y	122.6	0.07	2.37	92.00	18	1939	606	95	0.66	0.0	2.579	0.093	0	0	0	274
PL.15743	PL.15976	ABC	336 MCM AC	7.35Y	122.6	0.05	2.42	92.00	18	1939	605	95	0.50	0.0	2.649	0.071	0	0	0	274
PL.15798	PL.15743	ABC	336 MCM AC	7.35Y	122.6	0.00	2.42	91.63	18	1930	602	95	0.01	0.0	2.651	0.001	0	0	0	273
RG.20	PL.15798	ABC	114.3 KVA	7.45Y	124.1	-1.55	0.87	91.63	61	1930	602	95	percent Boost= 1.25 Tap= 2.0							273
PL.16040	RG.20	ABC	336 MCM AC	7.45Y	124.1	0.02	0.89	90.49	17	1930	602	95	0.20	0.0	2.680	0.030	5	1	1	273
PL.16041	PL.16040	ABC	336 MCM AC	7.44Y	124.1	0.04	0.93	90.26	17	1925	600	95	0.39	0.0	2.737	0.056	2	1	1	272
PL.16170	PL.16041	C	6 A (CWC)	7.44Y	124.1	0.00	0.93	1.51	1	11	3	96	0.00	0.0	2.741	0.005	0	0	0	2
PD.2487	PL.16170	C	65T	7.44Y	124.1	0.00	0.93	1.51	0	11	3	96	0.00	0.0	2.741	0.005	0	0	0	2
PL.16171	PD.2487	C	6 A (CWC)	7.44Y	124.1	0.00	0.93	1.51	1	11	3	96	0.00	0.0	2.786	0.045	11	3	2	2
PL.15887	PL.16041	ABC	336 MCM AC	7.44Y	124.0	0.05	0.98	89.66	17	1912	595	95	0.52	0.0	2.814	0.077	0	0	0	269
PL.16168	PL.15887	C	6 A (CWC)	7.44Y	124.0	0.00	0.98	4.28	3	31	8	97	0.00	0.0	2.818	0.005	0	0	0	6
PD.2486	PL.16168	C	65T	7.44Y	124.0	0.00	0.98	4.28	0	31	8	97	0.00	0.0	2.818	0.005	0	0	0	6
PL.16169	PD.2486	C	6 A (CWC)	7.44Y	124.0	0.01	0.99	4.28	3	31	8	97	0.00	0.0	2.870	0.052	13	3	1	6
PL.15973	PL.16169	C	6 A (CWC)	7.44Y	124.0	0.00	0.99	2.48	2	18	5	96	0.00	0.0	2.889	0.019	3	1	1	5

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Balanced Voltage Drop Report
Source: Booneville

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.15974	PL.15973	C	6 A (CWC)	7.44Y	124.0	0.01	1.00	2.02	1	14	4	96	0.00	0.0	3.048	0.159	6	2	1	4
PL.15744	PL.15974	C	#4 ACSR	7.44Y	124.0	0.00	1.00	1.17	1	8	2	97	0.00	0.0	3.110	0.062	8	2	3	3
PL.16038	PL.15887	ABC	336 MCM AC	7.44Y	124.0	0.03	1.01	88.23	17	1880	586	95	0.24	0.0	2.851	0.037	8	2	2	263
PL.16039	PL.16038	ABC	336 MCM AC	7.43Y	123.9	0.10	1.11	87.85	17	1872	583	95	0.99	0.1	3.003	0.152	1	0	1	261
PL.16037	PL.16039	ABC	336 MCM AC	7.43Y	123.8	0.07	1.18	87.81	17	1870	581	95	0.71	0.0	3.112	0.110	0	0	0	260
PL.15799	PL.16037	ABC	336 MCM AC	7.43Y	123.8	0.03	1.21	86.31	17	1837	570	96	0.29	0.0	3.158	0.046	0	0	0	256
PL.16148	PL.15799	C	6 A (CWC)	7.43Y	123.8	0.00	1.21	1.16	1	8	2	97	0.00	0.0	3.163	0.005	0	0	0	3
PD.2475	PL.16148	C	65T	7.43Y	123.8	0.00	1.21	1.16	0	8	2	97	0.00	0.0	3.163	0.005	0	0	0	3
PL.16149	PD.2475	C	6 A (CWC)	7.43Y	123.8	0.00	1.21	1.16	1	8	2	97	0.00	0.0	3.200	0.037	8	2	3	3
PL.15800	PL.15799	ABC	336 MCM AC	7.43Y	123.8	0.03	1.24	84.98	16	1808	562	95	0.26	0.0	3.202	0.043	0	0	0	249
PL.14556	PL.15800	ABC	336 MCM AC	7.43Y	123.8	0.00	1.24	84.98	16	1808	561	96	0.02	0.0	3.204	0.003	0	0	0	249
PD.2520	PL.14556	ABC	140L	7.43Y	123.8	0.00	1.24	84.98	61	1808	561	96	0.00	0.0	3.204	0.003	0	0	0	249
PL.15831	PD.2520	ABC	336 MCM AC	7.42Y	123.7	0.05	1.29	84.98	16	1808	561	96	0.44	0.0	3.277	0.072	0	0	0	249
PL.15801	PL.15831	ABC	336 MCM AC	7.42Y	123.7	0.04	1.33	83.06	16	1766	549	95	0.38	0.0	3.342	0.065	18	5	3	243
PL.16146	PL.15801	A	6 A (CWC)	7.42Y	123.7	0.00	1.33	1.84	1	13	4	96	0.00	0.0	3.347	0.005	0	0	0	4
PD.2474	PL.16146	A	30T	7.42Y	123.7	0.00	1.33	1.84	0	13	4	96	0.00	0.0	3.347	0.005	0	0	0	4
PL.16147	PD.2474	A	6 A (CWC)	7.42Y	123.7	0.00	1.33	1.84	1	13	4	96	0.00	0.0	3.365	0.019	0	0	0	4
PL.15317	PL.16147	A	6 A (CWC)	7.42Y	123.7	0.01	1.34	1.84	1	13	4	96	0.00	0.0	3.477	0.112	0	0	0	4
PL.15318	PL.15317	A	6 A (CWC)	7.42Y	123.6	0.01	1.35	1.84	1	13	4	96	0.00	0.0	3.603	0.125	0	0	1	4
PL.15319	PL.15318	A	6 A (CWC)	7.42Y	123.6	0.01	1.36	1.83	1	13	4	96	0.00	0.0	3.722	0.120	12	3	2	3
PL.14572	PL.15319	A	#1/0 ACSR	7.42Y	123.6	0.00	1.36	0.09	0	1	0	100	0.00	0.0	3.877	0.155	1	0	1	1
PL.15314	PL.15801	ABC	336 MCM AC	7.42Y	123.6	0.02	1.36	81.61	16	1735	540	95	0.21	0.0	3.381	0.039	28	7	2	236
PL.15315	PL.15314	ABC	336 MCM AC	7.42Y	123.6	0.05	1.41	80.31	15	1707	532	95	0.47	0.0	3.468	0.087	0	0	0	234
PL.15802	PL.15315	ABC	336 MCM AC	7.41Y	123.5	0.05	1.46	79.00	15	1678	523	95	0.39	0.0	3.542	0.074	0	0	0	229
PL.14557	PL.15802	ABC	336 MCM AC	7.41Y	123.5	0.04	1.50	79.00	15	1677	522	95	0.38	0.0	3.614	0.072	0	0	0	229
PL.16140	PL.14557	B	6 A (CWC)	7.41Y	123.5	0.00	1.50	0.24	0	2	0	100	0.00	0.0	3.618	0.005	0	0	0	1
PD.2471	PL.16140	B	30T	7.41Y	123.5	0.00	1.50	0.24	0	2	0	100	0.00	0.0	3.618	0.005	0	0	0	1
PL.16141	PD.2471	B	6 A (CWC)	7.41Y	123.5	0.00	1.50	0.24	0	2	0	100	0.00	0.0	3.657	0.039	2	0	1	1
PL.15316	PL.16141	B	6 A (CWC)	7.41Y	123.5	0.00	1.50	0.00	0	0	0	100	0.00	0.0	3.703	0.046	0	0	0	0
PL.15311	PL.14557	ABC	336 MCM AC	7.41Y	123.5	0.04	1.54	78.92	15	1675	521	95	0.37	0.0	3.685	0.071	11	3	2	228
PL.15312	PL.15311	ABC	336 MCM AC	7.41Y	123.4	0.03	1.58	78.41	15	1664	517	95	0.30	0.0	3.742	0.057	0	0	0	226

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Balanced Voltage Drop Report
Source: Booneville

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.16196	PL.15312	A	6 A (CWC)	7.41Y	123.4	0.00	1.58	1.77	1	13	3	97	0.00	0.0	3.746	0.005	0	0	0	2
PD.2501	PL.16196	A	30T	7.41Y	123.4	0.00	1.58	1.77	0	13	3	97	0.00	0.0	3.746	0.005	0	0	0	2
PL.16197	PD.2501	A	6 A (CWC)	7.41Y	123.4	0.00	1.58	1.77	1	13	3	97	0.00	0.0	3.806	0.060	13	3	2	2
PL.16226	PL.15312	C	6 A (CWC)	7.41Y	123.4	0.00	1.58	22.83	16	163	44	97	0.00	0.0	3.745	0.003	0	0	0	26
PD.2518	PL.16226	C	35L	7.41Y	123.4	0.00	1.58	22.83	65	163	44	97	0.00	0.0	3.745	0.003	0	0	0	26
PL.16227	PD.2518	C	6 A (CWC)	7.39Y	123.2	0.17	1.75	22.83	16	163	44	97	0.21	0.1	3.912	0.168	0	0	0	26
PL.15876	PL.16227	C	6 A (CWC)	7.38Y	123.1	0.17	1.92	22.83	16	163	44	97	0.20	0.1	4.076	0.164	4	1	1	26
PL.15877	PL.15876	C	6 A (CWC)	7.38Y	123.0	0.11	2.04	14.48	10	103	28	96	0.09	0.1	4.253	0.177	5	1	1	19
PL.14565	PL.15877	C	6 A (CWC)	7.38Y	123.0	0.00	2.04	1.16	1	8	2	97	0.00	0.0	4.331	0.078	8	2	2	2
PL.15880	PL.15877	C	6 A (CWC)	7.37Y	122.9	0.09	2.13	12.67	9	90	24	97	0.06	0.1	4.421	0.168	15	4	2	16
PL.15878	PL.15880	C	6 A (CWC)	7.37Y	122.9	0.01	2.13	2.58	2	18	5	96	0.00	0.0	4.477	0.056	7	2	1	3
PL.15879	PL.15878	C	6 A (CWC)	7.37Y	122.9	0.00	2.13	0.06	0	0	0	100	0.00	0.0	4.532	0.055	0	0	1	1
PL.14566	PL.15878	C	6 A (CWC)	7.37Y	122.9	0.01	2.14	1.49	1	11	3	96	0.00	0.0	4.567	0.090	0	0	0	1
PL.14567	PL.14566	C	#2 ACSR	7.37Y	122.9	0.00	2.14	1.49	1	11	3	96	0.00	0.0	4.591	0.024	11	3	1	1
PL.15920	PL.15880	C	6 A (CWC)	7.37Y	122.8	0.03	2.16	7.92	6	56	15	97	0.01	0.0	4.511	0.090	2	1	1	11
PL.15921	PL.15920	C	6 A (CWC)	7.37Y	122.8	0.03	2.18	7.57	5	54	14	97	0.01	0.0	4.595	0.084	13	3	3	10
PL.15918	PL.15921	C	6 A (CWC)	7.37Y	122.8	0.01	2.19	1.68	1	12	3	97	0.00	0.0	4.691	0.096	5	1	1	3
PL.15919	PL.15918	C	6 A (CWC)	7.37Y	122.8	0.00	2.19	0.92	1	7	2	96	0.00	0.0	4.784	0.094	5	1	1	2
PL.15922	PL.15919	C	#4 ACSR	7.37Y	122.8	0.00	2.19	0.25	0	2	0	100	0.00	0.0	4.843	0.059	2	0	1	1
PL.15923	PL.15922	C	#4 ACSR	7.37Y	122.8	0.00	2.19	0.00	0	0	0	100	0.00	0.0	4.894	0.051	0	0	0	0
PL.15924	PL.15923	C	#4 ACSR	7.37Y	122.8	0.00	2.19	0.00	0	0	0	100	0.00	0.0	4.966	0.071	0	0	0	0
PL.15916	PL.15921	C	#4 ACSR	7.37Y	122.8	0.01	2.19	4.12	3	29	8	96	0.00	0.0	4.653	0.058	0	0	0	4
PL.15917	PL.15916	C	#4 ACSR	7.37Y	122.8	0.01	2.21	4.12	3	29	8	96	0.00	0.0	4.715	0.062	0	0	0	4
PL.14568	PL.15917	C	#4 ACSR	7.37Y	122.8	0.02	2.22	3.24	2	23	6	97	0.00	0.0	4.843	0.128	0	0	0	3
PL.14570	PL.14568	C	#1/0 ACSR	7.37Y	122.8	0.00	2.23	2.36	1	17	5	96	0.00	0.0	4.904	0.061	17	5	1	1
PL.14569	PL.14568	C	#4 ACSR	7.37Y	122.8	0.00	2.23	0.87	1	6	2	95	0.00	0.0	4.925	0.082	6	2	2	2
PL.15804	PL.15917	C	#4 ACSR	7.37Y	122.8	0.00	2.21	0.88	1	6	2	95	0.00	0.0	4.833	0.117	6	2	1	1
PL.14563	PL.15876	C	#4 ACSR	7.38Y	123.1	0.02	1.94	7.78	6	56	15	97	0.01	0.0	4.128	0.052	0	0	0	6
PL.14564	PL.14563	C	#4 ACSR	7.38Y	123.1	0.00	1.94	1.46	1	10	3	96	0.00	0.0	4.198	0.070	10	3	1	1
PL.15326	PL.14563	C	#4 ACSR	7.38Y	123.0	0.04	1.98	6.32	5	45	12	97	0.01	0.0	4.264	0.136	7	2	1	5
PL.15327	PL.15326	C	#4 ACSR	7.38Y	123.0	0.01	1.99	5.39	4	38	10	97	0.00	0.0	4.319	0.055	0	0	0	4

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Balanced Voltage Drop Report
Source: Booneville

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.15303	PL.15327	C	#1/0 ACSR	7.38Y	123.0	0.00	1.99	4.09	2	29	8	96	0.00	0.0	4.347	0.028	9	3	1	3
PL.15304	PL.15303	C	#1/0 ACSR	7.38Y	123.0	0.00	1.99	2.78	1	20	5	97	0.00	0.0	4.434	0.087	20	5	2	2
PL.15803	PL.15327	C	#4 ACSR	7.38Y	123.0	0.00	1.99	1.30	1	9	2	98	0.00	0.0	4.340	0.021	0	0	0	1
PL.14571	PL.15803	C	#1/0 ACSR	7.38Y	123.0	0.00	2.00	1.30	1	9	2	98	0.00	0.0	4.490	0.149	0	0	0	1
PL.15847	PL.14571	C	#1/0 ACSR	7.38Y	123.0	0.00	2.00	1.30	1	9	2	98	0.00	0.0	4.572	0.083	9	2	1	1
PL.15883	PL.15312	ABC	336 MCM AC	7.40Y	123.4	0.05	1.62	70.21	14	1488	469	95	0.35	0.0	3.825	0.083	8	2	2	198
PL.14573	PL.15883	C	#4 ACSR	7.40Y	123.4	0.00	1.62	2.52	2	18	5	96	0.00	0.0	3.830	0.005	0	0	0	2
PD.2477	PL.14573	C	30T	7.40Y	123.4	0.00	1.62	2.52	0	18	5	96	0.00	0.0	3.830	0.005	0	0	0	2
PL.15805	PD.2477	C	#4 ACSR	7.40Y	123.4	0.00	1.62	1.44	1	10	3	96	0.00	0.0	3.857	0.027	10	3	1	1
PL.15881	PD.2477	C	#4 ACSR	7.40Y	123.4	0.00	1.62	1.09	1	8	2	97	0.00	0.0	3.833	0.003	0	0	0	1
PL.15882	PL.15881	C	#4 ACSR	7.40Y	123.4	0.00	1.62	1.09	1	8	2	97	0.00	0.0	3.834	0.001	0	0	0	1
PL.14574	PL.15882	C	#4 ACSR	7.40Y	123.4	0.00	1.62	1.09	1	8	2	97	0.00	0.0	3.905	0.072	8	2	1	1
PL.15322	PL.15883	ABC	336 MCM AC	7.40Y	123.3	0.05	1.67	69.00	13	1461	461	95	0.37	0.0	3.917	0.092	10	3	1	194
PL.15323	PL.15322	ABC	336 MCM AC	7.40Y	123.3	0.03	1.70	68.53	13	1451	458	95	0.22	0.0	3.973	0.056	0	0	0	193
PL.16150	PL.15323	C	6 A (CWC)	7.40Y	123.3	0.00	1.70	3.95	3	28	8	96	0.00	0.0	3.978	0.005	0	0	0	9
PD.2476	PL.16150	C	30T	7.40Y	123.3	0.00	1.70	3.95	0	28	8	96	0.00	0.0	3.978	0.005	0	0	0	9
PL.16151	PD.2476	C	6 A (CWC)	7.40Y	123.3	0.01	1.71	3.95	3	28	8	96	0.00	0.0	4.017	0.039	6	2	4	9
PL.15320	PL.16151	C	6 A (CWC)	7.40Y	123.3	0.00	1.71	3.14	2	22	6	96	0.00	0.0	4.053	0.036	4	1	3	5
PL.15321	PL.15320	C	6 A (CWC)	7.40Y	123.3	0.00	1.72	2.58	2	18	5	96	0.00	0.0	4.096	0.043	1	0	1	2
PL.14575	PL.15321	C	#1/0 ACSR	7.40Y	123.3	0.00	1.72	2.47	1	18	5	96	0.00	0.0	4.241	0.146	18	5	1	1
PL.15806	PL.15323	ABC	336 MCM AC	7.39Y	123.2	0.05	1.75	67.21	13	1422	450	95	0.37	0.0	4.071	0.098	0	0	0	184
PL.16152	PL.15806	C	6 A (CWC)	7.39Y	123.2	0.00	1.75	0.31	0	2	1	89	0.00	0.0	4.075	0.005	0	0	0	1
PD.2478	PL.16152	C	30T	7.39Y	123.2	0.00	1.75	0.31	0	2	1	89	0.00	0.0	4.075	0.005	0	0	0	1
PL.16153	PD.2478	C	6 A (CWC)	7.39Y	123.2	0.00	1.75	0.31	0	2	1	89	0.00	0.0	4.124	0.049	2	1	1	1
PL.15324	PL.15806	ABC	336 MCM AC	7.39Y	123.2	0.05	1.80	67.11	13	1420	448	95	0.34	0.0	4.162	0.092	16	4	2	183
PL.15325	PL.15324	ABC	336 MCM AC	7.39Y	123.2	0.03	1.82	66.36	13	1403	443	95	0.19	0.0	4.213	0.050	0	0	0	181
PL.16134	PL.15325	A	6 A (CWC)	7.39Y	123.2	0.00	1.83	3.28	2	23	6	97	0.00	0.0	4.217	0.005	0	0	0	3
PD.2467	PL.16134	A	30T	7.39Y	123.2	0.00	1.83	3.28	0	23	6	97	0.00	0.0	4.217	0.005	0	0	0	3
PL.16135	PD.2467	A	6 A (CWC)	7.39Y	123.2	0.01	1.83	3.28	2	23	6	97	0.00	0.0	4.275	0.058	0	0	0	3
PL.15807	PL.16135	A	6 A (CWC)	7.39Y	123.2	0.00	1.84	0.70	0	5	1	98	0.00	0.0	4.413	0.138	5	1	1	1
PL.14582	PL.16135	A	6 A (CWC)	7.39Y	123.2	0.00	1.84	2.58	2	18	5	96	0.00	0.0	4.323	0.048	18	5	2	2

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Balanced Voltage Drop Report
Source: Booneville

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.15874	PL.15325	ABC	336 MCM AC	7.39Y	123.1	0.06	1.88	65.26	13	1380	436	95	0.41	0.0	4.327	0.115	11	3	2	178
PL.16198	PL.15874	A	6 A (CWC)	7.39Y	123.1	0.00	1.88	6.64	5	47	13	96	0.00	0.0	4.332	0.005	0	0	0	9
PD.2502	PL.16198	A	30T	7.39Y	123.1	0.00	1.88	6.64	0	47	13	96	0.00	0.0	4.332	0.005	0	0	0	9
PL.16199	PD.2502	A	6 A (CWC)	7.39Y	123.1	0.02	1.91	6.64	5	47	13	96	0.01	0.0	4.417	0.085	5	1	2	9
PL.16003	PL.16199	A	6 A (CWC)	7.39Y	123.1	0.01	1.92	5.92	4	42	11	97	0.00	0.0	4.448	0.032	10	3	1	7
PL.16004	PL.16003	A	6 A (CWC)	7.38Y	123.1	0.02	1.93	4.46	3	32	9	96	0.00	0.0	4.541	0.093	0	0	1	6
PL.16005	PL.16004	A	#4 ACSR	7.38Y	123.1	0.01	1.94	4.46	3	32	9	96	0.00	0.0	4.581	0.039	13	4	2	5
PL.16006	PL.16005	A	#4 ACSR	7.38Y	123.1	0.01	1.95	2.62	2	19	5	97	0.00	0.0	4.640	0.059	0	0	0	3
PL.14581	PL.16006	A	#4 ACSR	7.38Y	123.1	0.00	1.95	0.64	0	5	1	98	0.00	0.0	4.723	0.084	5	1	2	2
PL.15753	PL.16006	A	#1/0 ACSR	7.38Y	123.1	0.00	1.95	1.98	1	14	4	96	0.00	0.0	4.672	0.032	14	4	1	1
PL.15875	PL.15874	ABC	336 MCM AC	7.39Y	123.1	0.03	1.91	62.05	12	1310	417	95	0.22	0.0	4.394	0.066	0	0	1	163
PL.16138	PL.15875	C	#4 ACSR	7.39Y	123.1	0.00	1.92	4.61	4	33	9	96	0.00	0.0	4.398	0.005	0	0	0	2
PD.2469	PL.16138	C	30T	7.39Y	123.1	0.00	1.92	4.61	0	33	9	96	0.00	0.0	4.398	0.005	0	0	0	2
PL.16139	PD.2469	C	#4 ACSR	7.38Y	123.1	0.00	1.92	4.61	4	33	9	96	0.00	0.0	4.417	0.018	33	9	2	2
PL.15310	PL.15875	A	#4 ACSR	7.39Y	123.1	0.00	1.92	2.08	2	15	4	97	0.00	0.0	4.407	0.013	7	2	1	2
PL.16136	PL.15310	A	#4 ACSR	7.39Y	123.1	0.00	1.92	1.11	1	8	2	97	0.00	0.0	4.412	0.005	0	0	0	1
PD.2468	PL.16136	A	30T	7.39Y	123.1	0.00	1.92	1.11	0	8	2	97	0.00	0.0	4.412	0.005	0	0	0	1
PL.16137	PD.2468	A	#4 ACSR	7.38Y	123.1	0.00	1.92	1.11	1	8	2	97	0.00	0.0	4.483	0.071	8	2	1	1
PL.15871	PL.15875	ABC	336 MCM AC	7.38Y	123.1	0.03	1.95	59.83	12	1263	404	95	0.22	0.0	4.468	0.074	11	3	2	158
PL.16230	PL.15871	ABC	#1/0 ACSR	7.38Y	123.0	0.00	1.95	21.97	10	469	128	96	0.01	0.0	4.477	0.009	0	0	0	85
PD.2521	PL.16230	ABC	50L	7.38Y	123.0	0.00	1.95	21.97	44	469	128	96	0.00	0.0	4.477	0.009	0	0	0	85
PL.16231	PD.2521	ABC	#1/0 ACSR	7.38Y	123.0	0.03	1.98	21.97	10	469	128	96	0.10	0.0	4.554	0.077	0	0	0	85
PL.15848	PL.16231	ABC	#1/0 ACSR	7.38Y	123.0	0.06	2.05	21.97	10	469	128	96	0.21	0.0	4.717	0.164	0	0	0	85
PL.15849	PL.15848	ABC	#1/0 ACSR	7.37Y	122.9	0.05	2.10	21.97	10	469	128	96	0.16	0.0	4.842	0.125	0	0	0	85
PL.15850	PL.15849	ABC	#1/0 ACSR	7.37Y	122.9	0.02	2.11	21.97	10	469	128	96	0.06	0.0	4.887	0.045	5	1	1	85
PL.14589	PL.15850	ABC	#1/0 ACSR	7.37Y	122.9	0.02	2.14	21.73	9	464	126	97	0.08	0.0	4.948	0.060	0	0	0	84
PL.16160	PL.14589	C	#1/0 ACSR	7.37Y	122.9	0.00	2.14	2.97	1	21	6	96	0.00	0.0	4.952	0.005	0	0	0	2
PD.2482	PL.16160	C	20T	7.37Y	122.9	0.00	2.14	2.97	0	21	6	96	0.00	0.0	4.952	0.005	0	0	0	2
PL.16161	PD.2482	C	#1/0 ACSR	7.37Y	122.9	0.00	2.14	2.97	1	21	6	96	0.00	0.0	4.975	0.022	13	4	1	2
PL.16007	PL.16161	C	#1/0 ACSR	7.37Y	122.9	0.00	2.14	1.10	0	8	2	97	0.00	0.0	5.021	0.046	8	2	1	1
PL.15809	PL.14589	ABC	#1/0 ACSR	7.37Y	122.8	0.01	2.15	20.74	9	443	121	96	0.04	0.0	4.980	0.033	0	0	0	82

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Balanced Voltage Drop Report
Source: Booneville

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.16228	PL.15809	A	6 A (CWC)	7.37Y	122.8	0.05	2.21	37.82	27	269	74	96	0.11	0.0	5.012	0.032	0	0	0	55
PD.2519	PL.16228	A	70L	7.37Y	122.8	0.00	2.21	37.82	54	269	74	96	0.00	0.0	5.012	0.032	0	0	0	55
PL.16229	PD.2519	A	6 A (CWC)	7.36Y	122.7	0.10	2.31	37.82	27	269	74	96	0.20	0.1	5.070	0.058	0	0	0	55
PL.14591	PL.16229	A	#4 ACSR	7.36Y	122.7	0.00	2.31	0.69	1	5	1	98	0.00	0.0	5.139	0.069	5	1	1	1
PL.16009	PL.16229	A	6 A (CWC)	7.35Y	122.5	0.16	2.46	37.14	27	264	72	96	0.31	0.1	5.164	0.094	7	2	2	54
PL.16010	PL.16009	A	6 A (CWC)	7.34Y	122.3	0.19	2.65	36.08	26	256	70	96	0.36	0.1	5.278	0.114	0	0	0	52
PL.16011	PL.16010	A	6 A (CWC)	7.33Y	122.2	0.12	2.77	34.81	25	247	67	97	0.21	0.1	5.352	0.074	4	1	1	48
PL.16012	PL.16011	A	6 A (CWC)	7.32Y	122.1	0.16	2.93	34.28	24	243	66	97	0.29	0.1	5.452	0.101	0	0	0	47
PL.16013	PL.16012	A	6 A (CWC)	7.32Y	121.9	0.15	3.07	34.28	24	242	66	96	0.27	0.1	5.548	0.096	5	1	1	47
PL.16014	PL.16013	A	6 A (CWC)	7.31Y	121.8	0.16	3.23	33.54	24	237	65	96	0.28	0.1	5.652	0.104	1	0	1	46
PL.16015	PL.16014	A	6 A (CWC)	7.30Y	121.6	0.13	3.36	33.43	24	236	64	97	0.23	0.1	5.737	0.086	0	0	0	45
PL.15811	PL.16015	A	6 A (CWC)	7.29Y	121.5	0.12	3.48	31.78	23	224	61	96	0.20	0.1	5.818	0.081	0	0	0	43
PL.15812	PL.15811	A	6 A (CWC)	7.28Y	121.4	0.11	3.59	30.87	22	217	59	96	0.19	0.1	5.899	0.080	0	0	0	42
PL.15885	PL.15812	A	6 A (CWC)	7.27Y	121.2	0.21	3.80	30.87	22	217	59	96	0.34	0.2	6.044	0.146	1	0	1	42
PL.15886	PL.15885	A	6 A (CWC)	7.27Y	121.1	0.08	3.88	29.31	21	206	56	96	0.13	0.1	6.108	0.064	4	1	2	40
PL.15746	PL.15886	A	6 A (CWC)	7.26Y	121.0	0.08	3.96	26.30	19	184	50	97	0.11	0.1	6.174	0.065	0	0	0	35
PL.15749	PL.15746	A	6 A (CWC)	7.26Y	121.0	0.08	4.04	24.58	18	172	47	96	0.11	0.1	6.246	0.073	0	0	0	30
PL.15759	PL.15749	A	6 A (CWC)	7.25Y	120.8	0.12	4.16	24.58	18	172	47	96	0.16	0.1	6.352	0.106	0	0	0	30
PL.15760	PL.15759	A	6 A (CWC)	7.24Y	120.7	0.12	4.28	24.58	18	172	47	96	0.15	0.1	6.456	0.104	0	0	0	30
PL.15761	PL.15760	A	6 A (CWC)	7.24Y	120.7	0.01	4.29	2.51	2	18	5	96	0.00	0.0	6.517	0.061	0	0	0	5
PL.15762	PL.15761	A	#4 ACSR	7.24Y	120.7	0.00	4.29	0.70	1	5	1	98	0.00	0.0	6.578	0.061	5	1	1	1
PL.15814	PL.15761	A	6 A (CWC)	7.24Y	120.7	0.00	4.29	1.80	1	13	3	97	0.00	0.0	6.558	0.041	12	3	2	4
PL.15763	PL.15814	A	#4 ACSR	7.24Y	120.7	0.00	4.29	0.09	0	1	0	100	0.00	0.0	6.618	0.060	0	0	1	2
PL.25715	PL.15763	A	#1/0 ACSR	7.24Y	120.7	0.00	4.29	0.09	0	1	0	100	0.00	0.0	6.663	0.045	1	0	1	1
PL.15828	PL.15760	A	6 A (CWC)	7.24Y	120.6	0.14	4.42	22.07	16	154	42	96	0.16	0.1	6.591	0.136	0	0	0	25
PL.16054	PL.15828	A	6 A (CWC)	7.23Y	120.4	0.15	4.57	22.07	16	154	42	96	0.17	0.1	6.741	0.149	3	1	4	25
PL.16055	PL.16054	A	6 A (CWC)	7.22Y	120.4	0.08	4.65	21.71	16	151	41	97	0.09	0.1	6.824	0.083	0	0	0	21
PL.16056	PL.16055	A	6 A (CWC)	7.22Y	120.3	0.10	4.75	21.71	16	151	41	97	0.12	0.1	6.927	0.103	4	1	1	21
PL.16066	PL.16056	A	6 A (CWC)	7.21Y	120.2	0.10	4.84	21.08	15	147	40	96	0.11	0.1	7.026	0.099	0	0	0	20
PL.16067	PL.16066	A	6 A (CWC)	7.20Y	120.1	0.10	4.94	21.08	15	147	39	97	0.11	0.1	7.131	0.105	0	0	0	20
PL.15764	PL.16067	A	6 A (CWC)	7.20Y	120.0	0.08	5.02	21.08	15	147	39	97	0.09	0.1	7.215	0.083	0	0	0	20

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: Booneville

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.15906	PL.15764	A	6 A (CWC)	7.19Y	119.9	0.07	5.09	20.35	15	141	38	97	0.07	0.1	7.294	0.080	20	5	3	19
PL.16176	PL.15906	A	6 A (CWC)	7.19Y	119.9	0.00	5.09	5.64	4	39	11	96	0.00	0.0	7.299	0.005	0	0	0	6
PD.2490	PL.16176	A	15T	7.19Y	119.9	0.00	5.09	5.64	0	39	11	96	0.00	0.0	7.299	0.005	0	0	0	6
PL.16177	PD.2490	A	6 A (CWC)	7.19Y	119.9	0.03	5.12	5.64	4	39	11	96	0.01	0.0	7.400	0.101	0	0	0	6
PL.16068	PL.16177	A	#4 ACSR	7.19Y	119.9	0.00	5.12	2.39	2	17	4	97	0.00	0.0	7.443	0.044	0	0	0	1
PL.16069	PL.16068	A	#4 ACSR	7.19Y	119.9	0.00	5.13	2.39	2	17	4	97	0.00	0.0	7.458	0.014	17	4	1	1
PL.15766	PL.16177	A	6 A (CWC)	7.19Y	119.9	0.00	5.12	0.00	0	0	0	100	0.00	0.0	7.450	0.051	0	0	0	0
PL.15815	PL.16177	A	6 A (CWC)	7.19Y	119.9	0.02	5.14	3.25	2	23	6	97	0.00	0.0	7.544	0.144	0	0	0	5
PL.15767	PL.15815	A	#4 ACSR	7.19Y	119.9	0.00	5.14	2.58	2	18	5	96	0.00	0.0	7.581	0.037	18	5	1	1
PL.15895	PL.15815	A	6 A (CWC)	7.19Y	119.9	0.00	5.14	0.67	0	5	1	98	0.00	0.0	7.669	0.126	0	0	1	4
PL.15896	PL.15895	A	6 A (CWC)	7.19Y	119.9	0.00	5.15	0.67	0	5	1	98	0.00	0.0	7.812	0.143	5	1	1	2
PL.15768	PL.15896	A	#1/0 ACSR	7.19Y	119.9	0.00	5.15	0.01	0	0	0	100	0.00	0.0	7.994	0.182	0	0	1	1
PL.16178	PL.15895	A	#4 ACSR	7.19Y	119.9	0.00	5.14	0.00	0	0	0	100	0.00	0.0	7.674	0.004	0	0	0	1
PD.2491	PL.16178	A	30T	7.19Y	119.9	0.00	5.14	0.00	0	0	0	100	0.00	0.0	7.674	0.004	0	0	0	1
PL.16179	PD.2491	A	#4 ACSR	7.19Y	119.9	0.00	5.14	0.00	0	0	0	100	0.00	0.0	7.751	0.077	0	0	1	1
PL.15907	PL.15906	A	6 A (CWC)	7.19Y	119.9	0.01	5.10	5.56	4	39	10	97	0.00	0.0	7.320	0.026	0	0	0	5
PL.16076	PL.15907	A	#4 ACSR	7.19Y	119.9	0.00	5.10	5.56	4	39	10	97	0.00	0.0	7.334	0.013	8	2	1	5
PL.16077	PL.16076	A	#4 ACSR	7.19Y	119.9	0.02	5.12	4.41	3	31	8	97	0.00	0.0	7.432	0.099	11	3	1	4
PL.16078	PL.16077	A	#4 ACSR	7.19Y	119.9	0.02	5.14	2.77	2	19	5	97	0.00	0.0	7.601	0.168	6	2	1	3
PL.16079	PL.16078	A	#4 ACSR	7.19Y	119.9	0.00	5.14	1.95	1	14	4	96	0.00	0.0	7.714	0.114	14	4	2	2
PL.16202	PL.15906	A	#4 ACSR	7.19Y	119.9	0.00	5.09	6.20	5	43	12	96	0.00	0.0	7.299	0.005	0	0	0	5
PD.2504	PL.16202	A	15T	7.19Y	119.9	0.00	5.09	6.20	0	43	12	96	0.00	0.0	7.299	0.005	0	0	0	5
PL.16203	PD.2504	A	#4 ACSR	7.19Y	119.9	0.02	5.11	6.20	5	43	12	96	0.01	0.0	7.373	0.074	9	2	1	5
PL.16075	PL.16203	A	#4 ACSR	7.19Y	119.9	0.01	5.13	4.90	4	34	9	97	0.00	0.0	7.434	0.061	0	0	0	4
PL.16071	PL.16075	A	#4 ACSR	7.19Y	119.9	0.00	5.13	1.56	1	11	3	96	0.00	0.0	7.456	0.021	11	3	1	1
PL.16072	PL.16071	A	#4 ACSR	7.19Y	119.9	0.00	5.13	0.00	0	0	0	100	0.00	0.0	7.545	0.090	0	0	0	0
PL.16073	PL.16075	A	#4 ACSR	7.19Y	119.9	0.00	5.13	3.33	3	23	6	97	0.00	0.0	7.470	0.036	10	3	1	3
PL.16074	PL.16073	A	#4 ACSR	7.19Y	119.9	0.01	5.13	1.93	1	13	4	96	0.00	0.0	7.535	0.065	1	0	1	2
PL.16070	PL.16074	A	#4 ACSR	7.19Y	119.9	0.00	5.14	1.73	1	12	3	97	0.00	0.0	7.580	0.045	12	3	1	1
PL.15765	PL.15764	A	6 A (CWC)	7.20Y	120.0	0.00	5.02	0.73	1	5	1	98	0.00	0.0	7.276	0.062	5	1	1	1
PL.15752	PL.15749	A	#2 ACSR	7.26Y	121.0	0.00	4.04	0.00	0	0	0	100	0.00	0.0	6.347	0.101	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: Booneville

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.16016	PL.15746	A	6 A (CWC)	7.26Y	121.0	0.01	3.97	1.73	1	12	3	97	0.00	0.0	6.354	0.180	3	1	1	5
PL.16033	PL.16016	A	6 A (CWC)	7.26Y	121.0	0.00	3.98	1.24	1	9	2	98	0.00	0.0	6.481	0.128	7	2	2	4
PL.16034	PL.16033	A	6 A (CWC)	7.26Y	121.0	0.00	3.98	0.26	0	2	0	100	0.00	0.0	6.593	0.112	0	0	0	2
PL.15851	PL.16034	A	6 A (CWC)	7.26Y	121.0	0.00	3.98	0.26	0	2	0	100	0.00	0.0	6.676	0.083	0	0	0	2
PL.15747	PL.15851	A	6 A (CWC)	7.26Y	121.0	0.00	3.98	0.26	0	2	0	100	0.00	0.0	6.734	0.057	2	0	2	2
PL.15829	PL.15851	A	6 A (CWC)	7.26Y	121.0	0.00	3.98	0.00	0	0	0	100	0.00	0.0	6.769	0.093	0	0	0	0
PL.15750	PL.15886	A	#2 ACSR	7.27Y	121.1	0.01	3.89	2.40	1	17	5	96	0.00	0.0	6.243	0.135	0	0	0	3
PL.15813	PL.15750	A	#2 ACSR	7.27Y	121.1	0.00	3.90	1.49	1	10	3	96	0.00	0.0	6.353	0.109	10	3	2	2
PL.15751	PL.15750	A	#2 ACSR	7.27Y	121.1	0.00	3.90	0.91	1	6	2	95	0.00	0.0	6.329	0.086	6	2	1	1
PL.15745	PL.15885	A	#2 ACSR	7.27Y	121.2	0.00	3.80	1.46	1	10	3	96	0.00	0.0	6.103	0.059	10	3	1	1
PL.14594	PL.15812	A	#1/0 ACSR	7.28Y	121.4	0.00	3.59	0.00	0	0	0	100	0.00	0.0	5.941	0.042	0	0	0	0
PL.14593	PL.15811	A	#1/0 ACSR	7.29Y	121.5	0.00	3.48	0.91	0	6	2	95	0.00	0.0	5.879	0.061	6	2	1	1
PL.14592	PL.16015	A	6 A (CWC)	7.30Y	121.6	0.00	3.37	1.65	1	12	3	97	0.00	0.0	5.785	0.048	12	3	2	2
PL.16035	PL.16010	A	#4 ACSR	7.34Y	122.3	0.01	2.66	1.27	1	9	2	98	0.00	0.0	5.430	0.152	0	0	1	4
PL.16036	PL.16035	A	#4 ACSR	7.34Y	122.3	0.00	2.66	1.27	1	9	2	98	0.00	0.0	5.543	0.113	8	2	2	3
PL.16032	PL.16036	A	#1/0 ACSR	7.34Y	122.3	0.00	2.66	0.14	0	1	0	100	0.00	0.0	5.588	0.045	1	0	1	1
PL.14590	PL.15809	C	6 A (CWC)	7.37Y	122.8	0.08	2.23	24.41	17	174	47	97	0.10	0.1	5.052	0.072	8	2	1	27
PL.16162	PL.14590	C	6 A (CWC)	7.36Y	122.7	0.04	2.27	21.78	16	155	42	97	0.05	0.0	5.096	0.043	0	0	0	25
PD.2483	PL.16162	C	20T	7.36Y	122.7	0.00	2.27	21.78	0	155	42	97	0.00	0.0	5.096	0.043	0	0	0	25
PL.16163	PD.2483	C	6 A (CWC)	7.36Y	122.7	0.04	2.31	21.78	16	155	42	97	0.05	0.0	5.139	0.044	8	2	3	25
PL.16008	PL.16163	C	6 A (CWC)	7.36Y	122.6	0.08	2.39	20.71	15	147	40	96	0.08	0.1	5.220	0.081	0	0	0	22
PL.16017	PL.16008	C	6 A (CWC)	7.36Y	122.6	0.02	2.41	20.71	15	147	40	96	0.02	0.0	5.244	0.024	5	1	2	22
PL.16018	PL.16017	C	6 A (CWC)	7.35Y	122.5	0.09	2.50	20.02	14	142	38	97	0.09	0.1	5.340	0.096	0	0	1	20
PL.15755	PL.16018	C	#2 ACSR	7.35Y	122.5	0.00	2.50	1.04	1	7	2	96	0.00	0.0	5.410	0.070	7	2	1	1
PL.16019	PL.16018	C	#4 ACSR	7.35Y	122.5	0.03	2.53	18.94	15	134	36	97	0.03	0.0	5.375	0.035	10	3	1	18
PL.16020	PL.16019	C	#4 ACSR	7.35Y	122.4	0.02	2.55	17.47	13	124	33	97	0.02	0.0	5.406	0.031	15	4	2	17
PL.16025	PL.16020	C	#4 ACSR	7.35Y	122.4	0.02	2.57	9.07	7	64	17	97	0.01	0.0	5.468	0.062	21	6	2	9
PL.16028	PL.16025	C	#4 ACSR	7.34Y	122.4	0.01	2.58	6.12	5	43	12	96	0.00	0.0	5.520	0.052	14	4	1	7
PL.16029	PL.16028	C	#4 ACSR	7.34Y	122.4	0.00	2.59	4.19	3	30	8	97	0.00	0.0	5.546	0.026	0	0	1	6
PL.16030	PL.16029	C	#4 ACSR	7.34Y	122.4	0.01	2.60	4.15	3	29	8	96	0.00	0.0	5.606	0.059	8	2	2	5
PL.16031	PL.16030	C	#4 ACSR	7.34Y	122.4	0.00	2.60	3.06	2	22	6	96	0.00	0.0	5.669	0.064	22	6	3	3

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Balanced Voltage Drop Report
Source: Booneville

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.16021	PL.16020	C	#4 ACSR	7.35Y	122.4	0.00	2.55	6.24	5	44	12	96	0.00	0.0	5.416	0.010	0	0	0	6
PL.16022	PL.16021	C	#4 ACSR	7.35Y	122.4	0.02	2.57	6.24	5	44	12	96	0.01	0.0	5.482	0.066	0	0	0	6
PL.15810	PL.16022	C	#4 ACSR	7.34Y	122.4	0.02	2.60	3.55	3	25	7	96	0.00	0.0	5.626	0.145	0	0	0	3
PL.15757	PL.15810	C	#2 ACSR	7.34Y	122.4	0.00	2.60	0.97	1	7	2	96	0.00	0.0	5.664	0.038	7	2	1	1
PL.16026	PL.15810	C	#4 ACSR	7.34Y	122.4	0.00	2.60	2.58	2	18	5	96	0.00	0.0	5.663	0.036	5	1	1	2
PL.16027	PL.16026	C	#4 ACSR	7.34Y	122.4	0.01	2.61	1.88	1	13	4	96	0.00	0.0	5.833	0.171	13	4	1	1
PL.15756	PL.16022	C	#1/0 ACSR	7.35Y	122.4	0.00	2.57	0.71	0	5	1	98	0.00	0.0	5.508	0.027	5	1	1	1
PL.16023	PL.16022	C	#4 ACSR	7.35Y	122.4	0.00	2.57	1.98	2	14	4	96	0.00	0.0	5.510	0.028	11	3	1	2
PL.16024	PL.16023	C	#4 ACSR	7.35Y	122.4	0.00	2.57	0.44	0	3	1	95	0.00	0.0	5.583	0.073	3	1	1	1
PL.16164	PL.14590	C	#1/0 ACSR	7.37Y	122.8	0.00	2.23	1.53	1	11	3	96	0.00	0.0	5.071	0.018	0	0	0	1
PD.2484	PL.16164	C	20T	7.37Y	122.8	0.00	2.23	1.53	0	11	3	96	0.00	0.0	5.071	0.018	0	0	0	1
PL.16165	PD.2484	C	#1/0 ACSR	7.37Y	122.8	0.00	2.23	1.53	1	11	3	96	0.00	0.0	5.193	0.122	11	3	1	1
PL.14578	PL.15871	ABC	336 MCM AC	7.38Y	123.0	0.02	1.97	37.39	7	782	272	94	0.07	0.0	4.526	0.058	0	0	0	71
PL.15816	PL.14578	ABC	336 MCM AC	7.38Y	123.0	0.04	2.01	36.23	7	757	265	94	0.15	0.0	4.666	0.140	0	0	0	67
PL.15783	PL.15816	ABC	336 MCM AC	7.38Y	123.0	0.03	2.04	35.29	7	737	259	94	0.12	0.0	4.779	0.113	0	0	0	65
PL.16156	PL.15783	C	6 A (CWC)	7.38Y	123.0	0.00	2.04	2.55	2	18	5	96	0.00	0.0	4.783	0.005	0	0	0	2
PD.2480	PL.16156	C	30T	7.38Y	123.0	0.00	2.04	2.55	0	18	5	96	0.00	0.0	4.783	0.005	0	0	0	2
PL.16157	PD.2480	C	6 A (CWC)	7.38Y	123.0	0.00	2.04	2.55	2	18	5	96	0.00	0.0	4.859	0.075	18	5	2	2
PL.15999	PL.15783	ABC	336 MCM AC	7.38Y	123.0	0.01	2.05	34.44	7	719	254	94	0.04	0.0	4.817	0.038	14	4	1	63
PL.16000	PL.15999	ABC	336 MCM AC	7.38Y	122.9	0.03	2.07	33.81	7	705	250	94	0.09	0.0	4.910	0.093	0	0	0	62
PL.15328	PL.16000	ABC	336 MCM AC	7.37Y	122.9	0.01	2.09	32.92	6	686	245	94	0.05	0.0	4.960	0.050	10	3	1	59
PL.15329	PL.15328	ABC	336 MCM AC	7.37Y	122.9	0.02	2.11	32.45	6	676	242	94	0.07	0.0	5.035	0.075	0	0	0	58
PL.16232	PL.15329	ABC	336 MCM AC	7.37Y	122.9	0.01	2.12	9.50	2	203	55	97	0.01	0.0	5.170	0.135	0	0	0	37
PD.2522	PL.16232	ABC	50L	7.37Y	122.9	0.00	2.12	9.50	19	203	55	97	0.00	0.0	5.170	0.135	0	0	0	37
PL.16233	PD.2522	ABC	336 MCM AC	7.37Y	122.9	0.00	2.12	9.50	2	203	55	97	0.00	0.0	5.177	0.007	0	0	0	37
PL.15825	PL.16233	ABC	336 MCM AC	7.37Y	122.9	0.01	2.13	8.11	2	173	47	97	0.01	0.0	5.328	0.151	0	0	0	30
PL.15854	PL.15825	ABC	336 MCM AC	7.37Y	122.9	0.01	2.14	8.11	2	173	47	97	0.01	0.0	5.471	0.143	0	0	0	30
PL.15823	PL.15854	ABC	336 MCM AC	7.37Y	122.9	0.00	2.14	0.80	0	17	5	96	0.00	0.0	5.594	0.123	0	0	0	2
PL.15861	PL.15823	ABC	336 MCM AC	7.37Y	122.9	0.00	2.14	0.80	0	17	5	96	0.00	0.0	5.704	0.110	0	0	0	2
PL.15300	PL.15861	ABC	336 MCM AC	7.37Y	122.9	0.00	2.14	0.80	0	17	5	96	0.00	0.0	5.838	0.135	0	0	0	2
PL.15301	PL.15300	ABC	336 MCM AC	7.37Y	122.9	0.00	2.14	0.80	0	17	5	96	0.00	0.0	5.916	0.078	0	0	0	2

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Balanced Voltage Drop Report
Source: Booneville

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.15824	PL.15301	ABC	336 MCM AC	7.37Y	122.9	0.00	2.14	0.46	0	10	3	96	0.00	0.0	6.040	0.124	0	0	0	1
PL.15297	PL.15824	ABC	336 MCM AC	7.37Y	122.9	0.00	2.14	0.46	0	10	3	96	0.00	0.0	6.152	0.113	10	3	1	1
PL.16212	PL.15297	ABC	336 MCM AC	7.37Y	122.9	0.00	2.14	0.00	0	0	0	100	0.00	0.0	6.160	0.007	0	0	0	0
PD.2510-A	PL.16212	ABC	Open	7.37Y	122.9	0.00	2.14	0.00	0	0	0	100	0.00	0.0	6.160	0.007	0	0	0	0
PL.16126	PL.15301	A	#2 ACSR	7.37Y	122.9	0.00	2.14	1.03	1	7	2	96	0.00	0.0	5.920	0.004	0	0	0	1
PD.2463	PL.16126	A	20T	7.37Y	122.9	0.00	2.14	1.03	0	7	2	96	0.00	0.0	5.920	0.004	0	0	0	1
PL.16127	PD.2463	A	#2 ACSR	7.37Y	122.9	0.00	2.14	1.03	1	7	2	96	0.00	0.0	6.038	0.118	7	2	1	1
PL.16128	PL.15854	A	6 A (CWC)	7.37Y	122.9	0.00	2.14	0.00	0	0	0	100	0.00	0.0	5.475	0.005	0	0	0	1
PD.2464	PL.16128	A	20T	7.37Y	122.9	0.00	2.14	0.00	0	0	0	100	0.00	0.0	5.475	0.005	0	0	0	1
PL.16129	PD.2464	A	6 A (CWC)	7.37Y	122.9	0.00	2.14	0.00	0	0	0	100	0.00	0.0	5.562	0.087	0	0	1	1
PL.15775	PL.15854	C	6 A (CWC)	7.36Y	122.7	0.12	2.25	21.92	16	156	42	97	0.14	0.1	5.587	0.116	0	0	0	27
PL.15779	PL.15775	C	#1/0 ACSR	7.36Y	122.7	0.00	2.25	2.38	1	17	5	96	0.00	0.0	5.666	0.080	17	5	1	1
PL.16224	PL.15775	C	6 A (CWC)	7.36Y	122.7	0.08	2.33	19.54	14	139	37	97	0.08	0.1	5.674	0.088	0	0	0	26
PD.2517	PL.16224	C	100CodeSMo	7.36Y	122.7	0.00	2.33	19.54	0	139	37	97	0.00	0.0	5.674	0.088	0	0	0	26
PL.16225	PD.2517	C	6 A (CWC)	7.36Y	122.6	0.02	2.35	19.54	14	139	37	97	0.02	0.0	5.701	0.026	0	0	0	26
PL.15287	PL.16225	C	6 A (CWC)	7.36Y	122.6	0.04	2.39	19.54	14	139	37	97	0.04	0.0	5.746	0.045	0	0	1	26
PL.15286	PL.15287	C	6 A (CWC)	7.35Y	122.5	0.07	2.46	19.47	14	138	37	97	0.07	0.1	5.826	0.081	0	0	0	25
PL.16124	PL.15286	C	6 A (CWC)	7.35Y	122.5	0.00	2.47	6.55	5	47	13	96	0.00	0.0	5.831	0.005	0	0	0	11
PD.2462	PL.16124	C	10T	7.35Y	122.5	0.00	2.47	6.55	0	47	13	96	0.00	0.0	5.831	0.005	0	0	0	11
PL.16125	PD.2462	C	6 A (CWC)	7.35Y	122.5	0.05	2.52	6.55	5	47	13	96	0.02	0.0	6.011	0.180	0	0	0	11
PL.15820	PL.16125	C	6 A (CWC)	7.35Y	122.4	0.04	2.56	6.55	5	46	12	97	0.01	0.0	6.129	0.118	0	0	0	11
PL.15865	PL.15820	C	6 A (CWC)	7.34Y	122.4	0.04	2.59	6.55	5	46	12	97	0.01	0.0	6.259	0.131	0	0	1	11
PL.15866	PL.15865	C	6 A (CWC)	7.34Y	122.4	0.00	2.60	0.57	0	4	1	97	0.00	0.0	6.299	0.040	4	1	2	2
PL.15991	PL.15865	C	6 A (CWC)	7.34Y	122.4	0.02	2.62	5.95	4	42	11	97	0.01	0.0	6.355	0.096	5	1	1	8
PL.15992	PL.15991	C	6 A (CWC)	7.34Y	122.3	0.03	2.65	5.28	4	37	10	97	0.01	0.0	6.506	0.151	4	1	1	7
PL.15993	PL.15992	C	6 A (CWC)	7.34Y	122.3	0.02	2.68	4.68	3	33	9	96	0.01	0.0	6.608	0.102	0	0	0	6
PL.15855	PL.15993	C	6 A (CWC)	7.34Y	122.3	0.02	2.70	4.68	3	33	9	96	0.01	0.0	6.708	0.100	0	0	0	6
PL.15994	PL.15855	C	#4 ACSR	7.34Y	122.3	0.01	2.71	3.94	3	28	8	96	0.00	0.0	6.803	0.095	12	3	2	3
PL.15995	PL.15994	C	#4 ACSR	7.34Y	122.3	0.00	2.71	2.28	2	16	4	97	0.00	0.0	6.861	0.057	16	4	1	1
PL.15867	PL.15855	C	6 A (CWC)	7.34Y	122.3	0.00	2.70	0.74	1	5	1	98	0.00	0.0	6.797	0.089	0	0	1	3
PL.15781	PL.15867	C	#1/0 ACSR	7.34Y	122.3	0.00	2.70	0.00	0	0	0	100	0.00	0.0	6.856	0.059	0	0	0	0

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Balanced Voltage Drop Report
Source: Booneville

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.15868	PL.15867	C	6 A (CWC)	7.34Y	122.3	0.00	2.70	0.74	1	5	1	98	0.00	0.0	6.919	0.122	0	0	0	2
PL.15856	PL.15868	C	6 A (CWC)	7.34Y	122.3	0.00	2.71	0.74	1	5	1	98	0.00	0.0	7.039	0.120	0	0	0	2
PL.15863	PL.15856	C	6 A (CWC)	7.34Y	122.3	0.00	2.71	0.74	1	5	1	98	0.00	0.0	7.121	0.081	0	0	0	2
PL.15857	PL.15863	C	6 A (CWC)	7.34Y	122.3	0.01	2.72	0.74	1	5	1	98	0.00	0.0	7.287	0.166	0	0	0	2
PL.15858	PL.15857	C	6 A (CWC)	7.34Y	122.3	0.00	2.72	0.74	1	5	1	98	0.00	0.0	7.424	0.137	0	0	0	2
PL.15780	PL.15858	C	6 A (CWC)	7.34Y	122.3	0.00	2.72	0.00	0	0	0	100	0.00	0.0	7.496	0.072	0	0	0	0
PL.15819	PL.15858	C	6 A (CWC)	7.34Y	122.3	0.00	2.72	0.74	1	5	1	98	0.00	0.0	7.523	0.099	0	0	0	2
PL.15860	PL.15819	C	6 A (CWC)	7.34Y	122.3	0.00	2.73	0.74	1	5	1	98	0.00	0.0	7.626	0.104	0	0	1	2
PL.15787	PL.15860	C	#1/0 ACSR	7.34Y	122.3	0.00	2.73	0.73	0	5	1	98	0.00	0.0	7.741	0.115	5	1	1	1
PL.15785	PL.16125	C	#1/0 ACSR	7.35Y	122.5	0.00	2.52	0.00	0	0	0	100	0.00	0.0	6.051	0.040	0	0	0	0
PL.15821	PL.15286	C	6 A (CWC)	7.35Y	122.5	0.03	2.49	12.92	9	92	25	97	0.02	0.0	5.872	0.045	0	0	0	14
PL.15864	PL.15821	C	6 A (CWC)	7.35Y	122.5	0.04	2.54	12.28	9	87	23	97	0.03	0.0	5.952	0.080	0	0	1	12
PL.15777	PL.15864	C	#4 ACSR	7.35Y	122.4	0.02	2.55	5.25	4	37	10	97	0.00	0.0	6.022	0.070	0	0	0	3
PL.15298	PL.15777	C	#4 ACSR	7.35Y	122.4	0.01	2.57	3.30	3	23	6	97	0.00	0.0	6.155	0.133	13	3	1	2
PL.15299	PL.15298	C	#4 ACSR	7.35Y	122.4	0.00	2.57	1.49	1	11	3	96	0.00	0.0	6.271	0.115	11	3	1	1
PL.15778	PL.15777	C	#4 ACSR	7.35Y	122.4	0.00	2.56	1.95	1	14	4	96	0.00	0.0	6.137	0.115	14	4	1	1
PL.15998	PL.15864	C	6 A (CWC)	7.35Y	122.4	0.02	2.56	7.03	5	50	13	97	0.01	0.0	6.019	0.067	5	1	1	8
PL.15288	PL.15998	C	6 A (CWC)	7.35Y	122.4	0.02	2.58	6.38	5	45	12	97	0.01	0.0	6.108	0.089	4	1	1	7
PL.15289	PL.15288	C	6 A (CWC)	7.34Y	122.4	0.03	2.61	5.80	4	41	11	97	0.01	0.0	6.232	0.124	8	2	1	6
PL.15776	PL.15289	C	6 A (CWC)	7.34Y	122.4	0.00	2.62	1.96	1	14	4	96	0.00	0.0	6.287	0.055	0	0	0	3
PL.15822	PL.15776	C	6 A (CWC)	7.34Y	122.4	0.00	2.62	1.41	1	10	3	96	0.00	0.0	6.312	0.026	10	3	1	1
PL.15989	PL.15776	C	#2 ACSR	7.34Y	122.4	0.00	2.62	0.55	0	4	1	97	0.00	0.0	6.298	0.012	4	1	2	2
PL.15990	PL.15989	C	#2 ACSR	7.34Y	122.4	0.00	2.62	0.00	0	0	0	100	0.00	0.0	6.346	0.048	0	0	0	0
PL.15996	PL.15289	C	#4 ACSR	7.34Y	122.4	0.00	2.62	2.67	2	19	5	97	0.00	0.0	6.270	0.038	7	2	1	2
PL.15997	PL.15996	C	#4 ACSR	7.34Y	122.4	0.00	2.62	1.64	1	12	3	97	0.00	0.0	6.300	0.030	12	3	1	1
PL.15784	PL.15821	C	#4 ACSR	7.35Y	122.5	0.00	2.49	0.65	0	5	1	98	0.00	0.0	5.883	0.011	5	1	2	2
PL.16206	PL.16233	A	#2 ACSR	7.37Y	122.9	0.00	2.12	0.55	0	4	1	97	0.00	0.0	5.181	0.005	0	0	0	2
PD.2506	PL.16206	A	20T	7.37Y	122.9	0.00	2.12	0.55	0	4	1	97	0.00	0.0	5.181	0.005	0	0	0	2
PL.16207	PD.2506	A	#2 ACSR	7.37Y	122.9	0.00	2.12	0.55	0	4	1	97	0.00	0.0	5.313	0.132	2	1	1	2
PL.15330	PL.16207	A	#2 ACSR	7.37Y	122.9	0.00	2.12	0.28	0	2	1	89	0.00	0.0	5.379	0.066	2	1	1	1
PL.16130	PL.16233	C	6 A (CWC)	7.37Y	122.9	0.00	2.12	3.62	3	26	7	97	0.00	0.0	5.181	0.005	0	0	0	5

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Balanced Voltage Drop Report
Source: Booneville

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.2465	PL.16130	C	20T	7.37Y	122.9	0.00	2.12	3.62	0	26	7	97	0.00	0.0	5.181	0.005	0	0	0	5
PL.16131	PD.2465	C	6 A (CWC)	7.37Y	122.9	0.01	2.12	3.62	3	26	7	97	0.00	0.0	5.217	0.036	7	2	1	5
PL.15302	PL.16131	C	6 A (CWC)	7.37Y	122.9	0.01	2.13	2.68	2	19	5	97	0.00	0.0	5.285	0.068	5	1	1	4
PL.15292	PL.15302	C	#2 ACSR	7.37Y	122.9	0.00	2.13	0.98	1	7	2	96	0.00	0.0	5.408	0.123	6	2	1	2
PL.15293	PL.15292	C	#2 ACSR	7.37Y	122.9	0.00	2.13	0.16	0	1	0	100	0.00	0.0	5.475	0.068	1	0	1	1
PL.15774	PL.15302	C	#1/0 ACSR	7.37Y	122.9	0.00	2.13	1.04	0	7	2	96	0.00	0.0	5.351	0.066	7	2	1	1
PL.16210	PL.15329	ABC	#1/0 ACSR	7.37Y	122.9	0.00	2.11	22.99	10	473	187	93	0.01	0.0	5.039	0.005	0	0	0	21
PD.2509	PL.16210	ABC	30T	7.37Y	122.9	0.00	2.11	22.99	0	473	187	93	0.00	0.0	5.039	0.005	0	0	0	21
PL.16211	PD.2509	ABC	#1/0 ACSR	7.37Y	122.9	0.03	2.14	22.99	10	473	187	93	0.09	0.0	5.101	0.061	6	2	1	21
PL.15869	PL.16211	ABC	#1/0 ACSR	7.37Y	122.9	0.01	2.15	21.17	9	434	177	93	0.04	0.0	5.135	0.034	26	7	5	17
PL.15870	PL.15869	ABC	#1/0 ACSR	7.37Y	122.8	0.03	2.18	17.70	8	359	157	92	0.07	0.0	5.224	0.089	17	5	1	9
PL.15294	PL.15870	ABC	#1/0 ACSR	7.37Y	122.8	0.02	2.20	16.24	7	327	148	91	0.04	0.0	5.281	0.057	17	5	2	7
PL.15295	PL.15294	ABC	#1/0 ACSR	7.37Y	122.8	0.01	2.21	15.46	7	310	144	91	0.03	0.0	5.327	0.046	9	2	1	5
PL.15296	PL.15295	ABC	#1/0 ACSR	7.37Y	122.8	0.01	2.22	15.05	7	301	141	91	0.03	0.0	5.375	0.048	20	5	2	4
PL.15290	PL.15296	ABC	#1/0 ACSR	7.37Y	122.8	0.02	2.25	14.13	6	281	136	90	0.04	0.0	5.454	0.079	2	0	1	2
PL.15291	PL.15290	ABC	#1/0 ACSR	7.36Y	122.7	0.01	2.25	14.05	6	279	135	90	0.01	0.0	5.478	0.024	0	0	0	1
PL.15818	PL.15291	ABC	#1/0 ACSR	7.36Y	122.7	0.01	2.26	14.05	6	279	135	90	0.01	0.0	5.522	0.044	279	135	1	1
PL.15782	PL.15291	ABC	#1/0 ACSR	7.36Y	122.7	0.00	2.25	0.00	0	0	0	100	0.00	0.0	5.522	0.044	0	0	0	0
PL.16132	PL.15870	A	#2 ACSR	7.37Y	122.8	0.00	2.18	2.05	1	15	4	97	0.00	0.0	5.229	0.005	0	0	0	1
PD.2466	PL.16132	A	20T	7.37Y	122.8	0.00	2.18	2.05	0	15	4	97	0.00	0.0	5.229	0.005	0	0	0	1
PL.16133	PD.2466	A	#2 ACSR	7.37Y	122.8	0.00	2.18	2.05	1	15	4	97	0.00	0.0	5.280	0.051	15	4	1	1
PL.15305	PL.15869	A	6 A (CWC)	7.37Y	122.8	0.01	2.16	6.90	5	49	13	97	0.00	0.0	5.185	0.050	16	4	1	3
PL.15306	PL.15305	A	#4 ACSR	7.37Y	122.8	0.01	2.17	4.66	4	33	9	96	0.00	0.0	5.229	0.044	21	6	1	2
PL.15307	PL.15306	A	#4 ACSR	7.37Y	122.8	0.00	2.17	1.69	1	12	3	97	0.00	0.0	5.273	0.044	12	3	1	1
PL.15772	PL.16211	A	#2 ACSR	7.37Y	122.9	0.01	2.14	4.64	3	33	9	96	0.00	0.0	5.155	0.054	0	0	0	3
PL.15773	PL.15772	A	#2 ACSR	7.37Y	122.9	0.00	2.15	1.56	1	11	3	96	0.00	0.0	5.210	0.055	11	3	1	1
PL.15817	PL.15772	A	#2 ACSR	7.37Y	122.9	0.00	2.15	3.07	2	22	6	96	0.00	0.0	5.209	0.054	8	2	1	2
PL.15786	PL.15817	A	#1/0 ACSR	7.37Y	122.9	0.00	2.15	1.95	1	14	4	96	0.00	0.0	5.239	0.029	14	4	1	1
PL.16154	PL.16000	C	#4 ACSR	7.38Y	122.9	0.00	2.08	2.67	2	19	5	97	0.00	0.0	4.914	0.005	0	0	0	3
PD.2479	PL.16154	C	30T	7.38Y	122.9	0.00	2.08	2.67	0	19	5	97	0.00	0.0	4.914	0.005	0	0	0	3
PL.16155	PD.2479	C	#4 ACSR	7.38Y	122.9	0.00	2.08	2.67	2	19	5	97	0.00	0.0	4.964	0.050	19	5	3	3

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Balanced Voltage Drop Report
Source: Booneville

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.16158	PL.15816	C	6 A (CWC)	7.38Y	123.0	0.00	2.01	2.84	2	20	5	97	0.00	0.0	4.671	0.005	0	0	0	2
PD.2481	PL.16158	C	30T	7.38Y	123.0	0.00	2.01	2.84	0	20	5	97	0.00	0.0	4.671	0.005	0	0	0	2
PL.16159	PD.2481	C	6 A (CWC)	7.38Y	123.0	0.00	2.01	2.84	2	20	5	97	0.00	0.0	4.728	0.057	20	5	2	2
PL.16200	PL.14578	C	6 A (CWC)	7.38Y	123.0	0.00	1.97	3.48	2	25	7	96	0.00	0.0	4.531	0.005	0	0	0	4
PD.2503	PL.16200	C	30T	7.38Y	123.0	0.00	1.97	3.48	0	25	7	96	0.00	0.0	4.531	0.005	0	0	0	4
PL.16201	PD.2503	C	6 A (CWC)	7.38Y	123.0	0.00	1.97	3.48	2	25	7	96	0.00	0.0	4.560	0.029	0	0	0	4
PL.14580	PL.16201	C	6 A (CWC)	7.38Y	123.0	0.00	1.97	0.00	0	0	0	100	0.00	0.0	4.624	0.064	0	0	0	0
PL.16001	PL.16201	C	#2 ACSR	7.38Y	123.0	0.00	1.98	3.48	2	25	7	96	0.00	0.0	4.610	0.050	11	3	3	4
PL.16002	PL.16001	C	#2 ACSR	7.38Y	123.0	0.00	1.98	1.89	1	13	4	96	0.00	0.0	4.702	0.092	13	4	1	1
PL.14576	PL.15874	C	6 A (CWC)	7.39Y	123.1	0.00	1.88	1.49	1	11	3	96	0.00	0.0	4.332	0.005	0	0	0	4
PD.2470	PL.14576	C	30T	7.39Y	123.1	0.00	1.88	1.49	0	11	3	96	0.00	0.0	4.332	0.005	0	0	0	4
PL.15872	PD.2470	C	6 A (CWC)	7.39Y	123.1	0.00	1.88	1.38	1	10	3	96	0.00	0.0	4.334	0.002	0	0	0	3
PL.15873	PL.15872	C	6 A (CWC)	7.39Y	123.1	0.00	1.88	1.38	1	10	3	96	0.00	0.0	4.334	0.000	0	0	0	3
PL.15308	PL.15873	C	6 A (CWC)	7.39Y	123.1	0.00	1.89	1.38	1	10	3	96	0.00	0.0	4.374	0.040	0	0	0	3
PL.15309	PL.15308	C	6 A (CWC)	7.39Y	123.1	0.00	1.89	1.38	1	10	3	96	0.00	0.0	4.393	0.018	0	0	0	3
PL.14583	PL.15309	C	6 A (CWC)	7.39Y	123.1	0.00	1.89	1.38	1	10	3	96	0.00	0.0	4.440	0.047	0	0	0	3
PL.14579	PL.14583	C	6 A (CWC)	7.39Y	123.1	0.00	1.89	1.38	1	10	3	96	0.00	0.0	4.507	0.068	10	3	3	3
PL.15808	PD.2470	C	6 A (CWC)	7.39Y	123.1	0.00	1.88	0.11	0	1	0	100	0.00	0.0	4.363	0.031	1	0	1	1
PL.14577	PL.15808	C	6 A (CWC)	7.39Y	123.1	0.00	1.88	0.00	0	0	0	100	0.00	0.0	4.396	0.033	0	0	0	0
PL.15832	PL.14577	C	6 A (CWC)	7.39Y	123.1	0.00	1.88	0.00	0	0	0	100	0.00	0.0	4.432	0.036	0	0	0	0
PL.14561	PL.15802	ABC	#4 ACSR	7.41Y	123.5	0.00	1.46	0.00	0	0	0	100	0.00	0.0	3.597	0.055	0	0	0	0
PL.16142	PL.15315	C	#2 ACSR	7.42Y	123.6	0.00	1.41	2.04	1	15	4	97	0.00	0.0	3.472	0.005	0	0	0	3
PD.2472	PL.16142	C	30T	7.42Y	123.6	0.00	1.41	2.04	0	15	4	97	0.00	0.0	3.472	0.005	0	0	0	3
PL.16143	PD.2472	C	#2 ACSR	7.42Y	123.6	0.00	1.41	2.04	1	15	4	97	0.00	0.0	3.539	0.067	0	0	1	3
PL.15313	PL.16143	C	#2 ACSR	7.41Y	123.6	0.01	1.42	2.04	1	15	4	97	0.00	0.0	3.671	0.132	3	1	1	2
PL.14560	PL.15313	C	#2 ACSR	7.41Y	123.6	0.00	1.42	1.57	1	11	3	96	0.00	0.0	3.746	0.076	11	3	1	1
PL.16194	PL.15315	A	#2 ACSR	7.42Y	123.6	0.00	1.41	1.91	1	14	4	96	0.00	0.0	3.472	0.005	0	0	0	2
PD.2500	PL.16194	A	30T	7.42Y	123.6	0.00	1.41	1.91	0	14	4	96	0.00	0.0	3.472	0.005	0	0	0	2
PL.16195	PD.2500	A	#2 ACSR	7.42Y	123.6	0.00	1.41	1.91	1	14	4	96	0.00	0.0	3.522	0.050	14	4	2	2
PL.16144	PL.15831	C	6 A (CWC)	7.42Y	123.7	0.00	1.29	5.77	4	41	11	97	0.00	0.0	3.281	0.005	0	0	0	6
PD.2473	PL.16144	C	30T	7.42Y	123.7	0.00	1.29	5.77	0	41	11	97	0.00	0.0	3.281	0.005	0	0	0	6

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Balanced Voltage Drop Report
Source: Booneville

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.16145	PD.2473	C	6 A (CWC)	7.42Y	123.7	0.01	1.30	5.77	4	41	11	97	0.00	0.0	3.307	0.026	11	3	2	6
PL.15884	PL.16145	C	6 A (CWC)	7.42Y	123.7	0.01	1.30	2.53	2	18	5	96	0.00	0.0	3.370	0.063	0	0	2	3
PL.14559	PL.15884	C	#4 ACSR	7.42Y	123.7	0.00	1.31	2.53	2	18	5	96	0.00	0.0	3.438	0.068	18	5	1	1
PL.14558	PL.16145	C	#1/0 ACSR	7.42Y	123.7	0.00	1.30	1.67	1	12	3	97	0.00	0.0	3.333	0.026	12	3	1	1
PL.16192	PL.15799	A	#4 ACSR	7.43Y	123.8	0.00	1.21	2.82	2	20	5	97	0.00	0.0	3.163	0.005	0	0	0	4
PD.2499	PL.16192	A	65T	7.43Y	123.8	0.00	1.21	2.82	0	20	5	97	0.00	0.0	3.163	0.005	0	0	0	4
PL.16193	PD.2499	A	#4 ACSR	7.43Y	123.8	0.00	1.21	2.82	2	20	5	97	0.00	0.0	3.182	0.019	20	5	4	4
PL.16166	PL.16037	C	#4 ACSR	7.43Y	123.8	0.00	1.18	2.41	2	17	5	96	0.00	0.0	3.117	0.005	0	0	0	2
PD.2485	PL.16166	C	65T	7.43Y	123.8	0.00	1.18	2.41	0	17	5	96	0.00	0.0	3.117	0.005	0	0	0	2
PL.16167	PD.2485	C	#4 ACSR	7.43Y	123.8	0.00	1.19	2.41	2	17	5	96	0.00	0.0	3.173	0.056	17	5	2	2
PL.16190	PL.16037	A	6 A (CWC)	7.43Y	123.8	0.00	1.18	2.11	2	15	4	97	0.00	0.0	3.117	0.005	0	0	0	2
PD.2498	PL.16190	A	65T	7.43Y	123.8	0.00	1.18	2.11	0	15	4	97	0.00	0.0	3.117	0.005	0	0	0	2
PL.16191	PD.2498	A	6 A (CWC)	7.43Y	123.8	0.00	1.18	2.11	2	15	4	97	0.00	0.0	3.163	0.046	15	4	2	2
PL.16180	PL.15743	C	#1/0 ACSR	7.35Y	122.6	0.00	2.42	1.11	0	8	2	97	0.00	0.0	2.654	0.005	0	0	0	1
PD.2492	PL.16180	C	65T	7.35Y	122.6	0.00	2.42	1.11	0	8	2	97	0.00	0.0	2.654	0.005	0	0	0	1
PL.16181	PD.2492	C	#1/0 ACSR	7.35Y	122.6	0.00	2.42	1.11	0	8	2	97	0.00	0.0	2.719	0.064	8	2	1	1
PL.16118	PL.15902	A	#4 ACSR	7.37Y	122.8	0.00	2.24	0.00	0	0	0	100	0.00	0.0	2.406	0.005	0	0	0	1
PD.2459	PL.16118	A	65T	7.37Y	122.8	0.00	2.24	0.00	0	0	0	100	0.00	0.0	2.406	0.005	0	0	0	1
PL.16119	PD.2459	A	#4 ACSR	7.37Y	122.8	0.00	2.24	0.00	0	0	0	100	0.00	0.0	2.499	0.093	0	0	1	1
PL.16120	PL.15901	C	#1/0 ACSR	7.37Y	122.8	0.00	2.19	1.21	1	9	2	98	0.00	0.0	2.329	0.005	0	0	0	1
PD.2460	PL.16120	C	65T	7.37Y	122.8	0.00	2.19	1.21	0	9	2	98	0.00	0.0	2.329	0.005	0	0	0	1
PL.16121	PD.2460	C	#1/0 ACSR	7.37Y	122.8	0.00	2.19	1.21	1	9	2	98	0.00	0.0	2.376	0.047	9	2	1	1
PL.16122	PL.16215	C	#2 ACSR	7.38Y	123.0	0.00	2.01	2.35	1	17	5	96	0.00	0.0	2.114	0.005	0	0	0	1
PD.2461	PL.16122	C	65T	7.38Y	123.0	0.00	2.01	2.35	0	17	5	96	0.00	0.0	2.114	0.005	0	0	0	1
PL.16123	PD.2461	C	#2 ACSR	7.38Y	123.0	0.00	2.02	2.35	1	17	5	96	0.00	0.0	2.154	0.040	17	5	1	1
PL.16114	PL.15900	C	6 A (CWC)	7.39Y	123.1	0.00	1.87	3.70	3	26	7	97	0.00	0.0	1.938	0.005	0	0	0	4
PD.2457	PL.16114	C	65T	7.39Y	123.1	0.00	1.87	3.70	0	26	7	97	0.00	0.0	1.938	0.005	0	0	0	4
PL.16115	PD.2457	C	6 A (CWC)	7.39Y	123.1	0.00	1.87	3.70	3	26	7	97	0.00	0.0	1.950	0.011	8	2	1	4
PL.15731	PL.16115	C	#1/0 ACSR	7.39Y	123.1	0.00	1.87	2.59	1	18	5	96	0.00	0.0	1.980	0.031	18	5	3	3
PL.15730	PL.15728	C	#1/0 ACSR	7.40Y	123.4	0.00	1.63	0.00	0	0	0	100	0.00	0.0	1.690	0.028	0	0	0	0
PL.15729	PL.15964	ABC	#1/0 ACSR	7.40Y	123.4	0.00	1.62	0.16	0	3	2	83	0.00	0.0	1.676	0.037	3	2	1	1

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Balanced Voltage Drop Report
Source: Booneville

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.16102	PL.15910	A	6 A (CWC)	7.42Y	123.6	0.00	1.38	1.55	1	11	3	96	0.00	0.0	1.371	0.005	0	0	0	2
PD.2451	PL.16102	A	65T	7.42Y	123.6	0.00	1.38	1.55	0	11	3	96	0.00	0.0	1.371	0.005	0	0	0	2
PL.16103	PD.2451	A	6 A (CWC)	7.42Y	123.6	0.00	1.38	1.55	1	11	3	96	0.00	0.0	1.423	0.052	11	3	2	2
PL.16100	PL.15960	A	#4 ACSR	7.43Y	123.9	0.00	1.11	0.51	0	4	1	97	0.00	0.0	1.061	0.005	0	0	0	1
PD.2450	PL.16100	A	65T	7.43Y	123.9	0.00	1.11	0.51	0	4	1	97	0.00	0.0	1.061	0.005	0	0	0	1
PL.16101	PD.2450	A	#4 ACSR	7.43Y	123.9	0.00	1.11	0.51	0	4	1	97	0.00	0.0	1.075	0.014	4	1	1	1
PL.16094	PL.15958	A	#4 ACSR	7.44Y	124.0	0.00	0.95	2.72	2	20	5	97	0.00	0.0	0.893	0.005	0	0	0	2
PD.2447	PL.16094	A	65T	7.44Y	124.0	0.00	0.95	2.72	0	20	5	97	0.00	0.0	0.893	0.005	0	0	0	2
PL.16095	PD.2447	A	#4 ACSR	7.44Y	124.0	0.00	0.96	2.72	2	20	5	97	0.00	0.0	0.955	0.063	20	5	2	2
PL.16182	PL.15899	A	6 A (CWC)	7.45Y	124.1	0.00	0.86	7.83	6	56	15	97	0.00	0.0	0.792	0.005	0	0	0	4
PD.2494	PL.16182	A	65T	7.45Y	124.1	0.00	0.86	7.83	0	56	15	97	0.00	0.0	0.792	0.005	0	0	0	4
PL.16183	PD.2494	A	6 A (CWC)	7.45Y	124.1	0.01	0.87	7.83	6	56	15	97	0.00	0.0	0.828	0.036	49	13	3	4
PL.15725	PL.16183	A	#4 ACSR	7.45Y	124.1	0.00	0.87	1.05	1	8	2	97	0.00	0.0	0.916	0.088	8	2	1	1
PL.16090	PL.15893	C	#1/0 ACSR	7.47Y	124.4	0.00	0.57	2.81	1	20	5	97	0.00	0.0	0.515	0.004	0	0	0	1
PD.2445	PL.16090	C	65T	7.47Y	124.4	0.00	0.57	2.81	0	20	5	97	0.00	0.0	0.515	0.004	0	0	0	1
PL.16091	PD.2445	C	#1/0 ACSR	7.47Y	124.4	0.00	0.57	2.81	1	20	5	97	0.00	0.0	0.545	0.029	20	5	1	1
PL.16086	PL.15890	A	6 A (CWC)	7.48Y	124.6	0.00	0.36	4.55	3	33	9	96	0.00	0.0	0.318	0.005	0	0	0	4
PD.2443	PL.16086	A	65T	7.48Y	124.6	0.00	0.36	4.55	0	33	9	96	0.00	0.0	0.318	0.005	0	0	0	4
PL.16087	PD.2443	A	6 A (CWC)	7.48Y	124.6	0.01	0.37	4.55	3	33	9	96	0.00	0.0	0.371	0.053	14	4	1	4
PL.15942	PL.16087	A	6 A (CWC)	7.48Y	124.6	0.00	0.37	2.67	2	19	5	97	0.00	0.0	0.396	0.025	6	2	1	3
PL.15943	PL.15942	A	6 A (CWC)	7.48Y	124.6	0.00	0.38	1.81	1	13	4	96	0.00	0.0	0.422	0.026	0	0	0	2
PL.15944	PL.15943	A	6 A (CWC)	7.48Y	124.6	0.00	0.38	1.81	1	13	4	96	0.00	0.0	0.445	0.023	0	0	0	2
PL.15260	PL.15944	A	6 A (CWC)	7.48Y	124.6	0.00	0.38	1.81	1	13	4	96	0.00	0.0	0.457	0.012	13	4	2	2
PL.15937	PL.15789	C	#4 ACSR	7.48Y	124.7	0.01	0.28	7.37	6	53	14	97	0.00	0.0	0.258	0.020	12	3	1	10
PL.16082	PL.15937	C	#4 ACSR	7.48Y	124.7	0.00	0.28	5.77	4	42	11	97	0.00	0.0	0.263	0.004	0	0	0	9
PD.2441	PL.16082	C	65T	7.48Y	124.7	0.00	0.28	5.77	0	42	11	97	0.00	0.0	0.263	0.004	0	0	0	9
PL.16083	PD.2441	C	#4 ACSR	7.48Y	124.7	0.01	0.30	5.77	4	42	11	97	0.00	0.0	0.327	0.064	7	2	2	9
PL.15258	PL.16083	C	#1/0 ACSR	7.48Y	124.7	0.00	0.30	0.00	0	0	0	100	0.00	0.0	0.368	0.041	0	0	1	1
PL.15934	PL.16083	C	#2 ACSR	7.48Y	124.7	0.01	0.30	4.76	3	34	9	97	0.00	0.0	0.374	0.047	9	2	3	6
PL.15935	PL.15934	C	#2 ACSR	7.48Y	124.7	0.00	0.31	3.51	2	25	7	96	0.00	0.0	0.397	0.023	9	2	1	3
PL.15936	PL.15935	C	#2 ACSR	7.48Y	124.7	0.00	0.31	2.26	1	16	4	97	0.00	0.0	0.433	0.036	14	4	1	2

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Balanced Voltage Drop Report
Source: Booneville

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.15933	PL.15936	C	#2 ACSR	7.48Y	124.7	0.00	0.31	0.28	0	2	1	89	0.00	0.0	0.478	0.045	2	1	1	1

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	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	11391	0	0	0	0	0	233	0.00	11624
KVAR	3449	0	0	0	0	0	386		3835

Lowest Voltage = 119.85 on Element PL.15768
Max Accm VoltD = 5.15 on Element PL.15768
Max Elem VoltD = 0.33 on Element PL.15459