Balanced Voltage Drop Report
Source: Beattyville

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
Beattyville		ABC	SRC-Beatty	7.50Y	125.0	0.00	0.00	710.51	0	15184	5001	95	0.00	0.0	0.000	0.000	0	0	0	2879
PL.18986	Beattyville	ABC	336 MCM AC	7.50Y	125.0	0.01	0.01	171.76	33	3622	1348	94	0.12	0.0	0.005	0.005	0	0	0	430
PL.72510	PL.18986	ABC	336 MCM AC	7.50Y	125.0	0.01	0.01	171.76	33	3622	1347	94	0.10	0.0	0.009	0.004	0	0	0	430
---------- Feeder No. 1 (Zoe F1) Beginning with Device PD.10791 ----------																				
PD.10791	PL.72510	ABC	480VWE	7.50Y	125.0	0.00	0.01	171.76	0	3622	1347	94	0.00	0.0	0.009	0.004	0	0	0	430
PL.72511	PD.10791	ABC	336 MCM AC	7.50Y	125.0	0.01	0.03	171.76	33	3622	1347	94	0.22	0.0	0.018	0.009	0	0	0	430
PL.16884	PL.72511	ABC	336 MCM AC	7.48Y	124.7	0.24	0.27	171.76	33	3622	1347	94	4.24	0.1	0.189	0.171	0	0	0	430
PL.17036	PL.16884	ABC	336 MCM AC	7.48Y	124.6	0.11	0.38	171.76	33	3617	1337	94	2.03	0.1	0.270	0.082	0	0	0	430
PD.2612-A	PL.17036	ABC	Closed	7.48Y	124.6	0.00	0.38	171.76	0	3615	1332	94	0.00	0.0	0.270	0.082	0	0	0	430
PD.2612-B	PD.2612-A	ABC	Closed	7.48Y	124.6	0.00	0.38	171.76	0	3615	1332	94	0.00	0.0	0.270	0.082	0	0	0	430
PL.17037	PD.2612-B	ABC	336 MCM AC	7.48Y	124.6	0.01	0.39	171.76	33	3615	1332	94	0.11	0.0	0.275	0.005	0	0	0	430
PL.16560	PL.17037	ABC	336 MCM AC	7.47Y	124.6	0.05	0.44	167.39	32	3526	1289	94	0.95	0.0	0.315	0.040	0	0	0	429
PL.16240	PL.16560	ABC	336 MCM AC	7.47Y	124.6	0.00	0.44	0.00	0	0	0	100	0.00	0.0	0.316	0.001	0	0	0	0
PD.2610-A	PL.16240	ABC	Open	7.47Y	124.6	0.00	0.44	0.00	0	0	0	100	0.00	0.0	0.316	0.001	0	0	0	0
PL.16859	PL.16560	ABC	336 MCM AC	7.47Y	124.5	0.07	0.51	167.39	32	3526	1287	94	1.23	0.0	0.367	0.052	17	4	1	429
PL.16860	PL.16859	ABC	336 MCM AC	7.47Y	124.4	0.04	0.55	166.62	32	3507	1280	94	0.73	0.0	0.399	0.031	5	2	1	428
PL.16241	PL.16860	ABC	336 MCM AC	7.46Y	124.3	0.15	0.70	166.39	32	3502	1276	94	2.55	0.1	0.508	0.109	0	0	0	427
PL.16936	PL.16241	A	6 A (CWC)	7.46Y	124.3	0.00	0.70	0.18	0	1	0	100	0.00	0.0	0.513	0.005	0	0	0	1
PD.2554	PL.16936	A	65T	7.46Y	124.3	0.00	0.70	0.18	0	1	0	100	0.00	0.0	0.513	0.005	0	0	0	1
PL.16937	PD.2554	A	6 A (CWC)	7.46Y	124.3	0.00	0.70	0.18	0	1	0	100	0.00	0.0	0.532	0.019	1	0	1	1
PL.16804	PL.16241	ABC	336 MCM AC	7.45Y	124.2	0.05	0.75	166.33	32	3498	1270	94	0.90	0.0	0.547	0.039	0	0	0	426
PL.16242	PL.16804	ABC	#1/0 ACSR	7.45Y	124.2	0.00	0.76	0.83	0	17	8	90	0.00	0.0	0.560	0.013	17	8	1	1
PL.16805	PL.16804	ABC	336 MCM AC	7.45Y	124.1	0.11	0.87	165.50	32	3480	1259	94	1.93	0.1	0.631	0.084	0	0	1	425
PL.16803	PL.16805	ABC	#3/0 ACSR	7.44Y	123.9	0.21	1.07	165.50	55	3479	1255	94	4.27	0.1	0.723	0.093	0	0	0	424
PL.16857	PL.16803	ABC	#3/0 ACSR	7.42Y	123.6	0.29	1.36	158.87	53	3339	1186	94	5.73	0.2	0.859	0.135	2	0	1	420
PL.16858	PL.16857	ABC	#3/0 ACSR	7.41Y	123.6	0.08	1.44	158.80	53	3332	1178	94	1.68	0.1	0.899	0.040	0	0	0	419
PL.17016	PL.16858	ABC	#4 ACSR	7.41Y	123.6	0.00	1.45	13.22	10	265	127	90	0.01	0.0	0.903	0.005	0	0	0	2
PD.2599	PL.17016	ABC	65T	7.41Y	123.6	0.00	1.45	13.22	0	265	127	90	0.00	0.0	0.903	0.005	0	0	0	2
PL.17017	PD.2599	ABC	#4 ACSR	7.41Y	123.5	0.02	1.47	13.22	10	265	127	90	0.03	0.0	0.980	0.077	258	125	1	2
PL.16885	PL.17017	ABC	#4 ACSR	7.41Y	123.5	0.00	1.47	0.35	0	7	2	96	0.00	0.0	0.983	0.003	7	2	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: Beattyville

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.16562	PL.16858	ABC	#3/0 ACSR	7.41Y	123.4	0.14	1.58	145.67	49	3065	1049	95	2.53	0.1	0.970	0.071	0	0	0	417
PL.17010	PL.16562	C	#2 ACSR	7.41Y	123.4	0.00	1.58	2.04	1	15	3	98	0.00	0.0	0.974	0.005	0	0	0	1
PD.2596	PL.17010	C	65T	7.41Y	123.4	0.00	1.58	2.04	0	15	3	98	0.00	0.0	0.974	0.005	0	0	0	1
PL.17011	PD.2596	C	#2 ACSR	7.41Y	123.4	0.00	1.58	2.04	1	15	3	98	0.00	0.0	1.027	0.053	15	3	1	1
PL.16799	PL.16562	ABC	#3/0 ACSR	7.39Y	123.2	0.19	1.77	144.99	48	3048	1042	95	3.42	0.1	1.066	0.097	2	1	1	416
PL.16800	PL.16799	ABC	#3/0 ACSR	7.38Y	123.1	0.16	1.93	143.51	48	3012	1029	95	2.98	0.1	1.153	0.086	6	1	1	409
PL.16795	PL.16800	ABC	#3/0 ACSR	7.38Y	122.9	0.13	2.06	143.22	48	3003	1024	95	2.33	0.1	1.220	0.068	0	0	1	408
PL.16796	PL.16795	ABC	#3/0 ACSR	7.37Y	122.8	0.12	2.18	143.22	48	3001	1020	95	2.25	0.1	1.286	0.065	0	0	0	407
PL.16793	PL.16796	ABC	#3/0 ACSR	7.37Y	122.8	0.04	2.22	143.22	48	2998	1017	95	0.66	0.0	1.305	0.019	12	3	2	407
PL.16794	PL.16793	ABC	#3/0 ACSR	7.35Y	122.6	0.22	2.44	141.88	47	2969	1009	95	4.05	0.1	1.424	0.120	0	0	0	401
PL.16792	PL.16794	ABC	#3/0 ACSR	7.35Y	122.6	0.01	2.45	141.88	47	2965	1003	95	0.12	0.0	1.428	0.003	6	1	2	401
PL.16932	PL.16792	C	#4 ACSR	7.35Y	122.6	0.00	2.45	2.40	2	17	4	97	0.00	0.0	1.430	0.002	0	0	0	5
PD.2551	PL.16932	C	65T	7.35Y	122.6	0.00	2.45	2.40	0	17	4	97	0.00	0.0	1.430	0.002	0	0	0	5
PL.16933	PD.2551	C	#4 ACSR	7.35Y	122.6	0.00	2.45	2.40	2	17	4	97	0.00	0.0	1.432	0.002	0	0	0	5
PL.16252	PL.16933	C	#4 ACSR	7.35Y	122.6	0.00	2.45	1.86	1	13	3	97	0.00	0.0	1.474	0.042	13	3	4	4
PL.16641	PL.16933	C	#4 ACSR	7.35Y	122.6	0.00	2.45	0.55	0	4	1	97	0.00	0.0	1.468	0.036	4	1	1	1
PL.16791	PL.16792	ABC	#3/0 ACSR	7.35Y	122.4	0.13	2.58	140.80	47	2941	998	95	2.38	0.1	1.499	0.072	3	1	1	394
PL.16849	PL.16791	ABC	#3/0 ACSR	7.33Y	122.2	0.20	2.77	130.67	44	2722	938	95	3.23	0.1	1.613	0.113	16	4	2	361
PL.16850	PL.16849	ABC	#3/0 ACSR	7.32Y	122.0	0.21	2.98	129.95	43	2704	929	95	3.39	0.1	1.732	0.119	1	0	1	359
PL.16790	PL.16850	ABC	#3/0 ACSR	7.32Y	121.9	0.10	3.08	129.76	43	2696	924	95	1.68	0.1	1.791	0.059	0	0	0	356
PL.16592	PL.16790	ABC	#3/0 ACSR	7.30Y	121.7	0.22	3.30	129.76	43	2694	921	95	3.64	0.1	1.920	0.129	0	0	0	356
PL.16593	PL.16592	ABC	#3/0 ACSR	7.30Y	121.6	0.08	3.39	129.76	43	2691	916	95	1.38	0.1	1.969	0.049	0	0	0	356
PL.16262	PL.16593	A	#4 ACSR	7.30Y	121.6	0.00	3.39	11.50	9	82	19	97	0.00	0.0	1.973	0.005	0	0	0	12
PD.2583	PL.16262	A	65T	7.30Y	121.6	0.00	3.39	11.50	0	82	19	97	0.00	0.0	1.973	0.005	0	0	0	12
PL.16642	PD.2583	A	#4 ACSR	7.30Y	121.6	0.00	3.39	2.90	2	21	5	97	0.00	0.0	2.040	0.067	21	5	3	3
PL.16786	PD.2583	A	#4 ACSR	7.30Y	121.6	0.00	3.39	8.60	7	61	14	97	0.00	0.0	1.976	0.003	0	0	0	9
PL.16787	PL.16786	A	#4 ACSR	7.30Y	121.6	0.00	3.39	8.60	7	61	14	97	0.00	0.0	1.976	0.000	0	0	0	9
PL.16788	PL.16787	A	#4 ACSR	7.29Y	121.6	0.06	3.44	8.60	7	61	14	97	0.02	0.0	2.133	0.156	8	2	1	9
PL.16263	PL.16788	A	#2 ACSR	7.29Y	121.6	0.00	3.45	1.07	1	8	2	97	0.00	0.0	2.177	0.044	8	2	1	1
PL.16789	PL.16788	A	#4 ACSR	7.29Y	121.5	0.01	3.46	6.38	5	45	10	98	0.00	0.0	2.191	0.058	30	7	3	7
PL.16264	PL.16789	A	#4 ACSR	7.29Y	121.5	0.01	3.46	2.19	2	16	4	97	0.00	0.0	2.264	0.073	0	0	0	4

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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.16643	PL.16264	A	#4 ACSR	7.29Y	121.5	0.00	3.46	1.25	1	9	2	98	0.00	0.0	2.284	0.020	9	2	2	2
PL.16265	PL.16264	A	#1/0 ACSR	7.29Y	121.5	0.00	3.47	0.95	0	7	2	96	0.00	0.0	2.411	0.148	0	0	0	2
PL.16706	PL.16265	A	#1/0 ACSR	7.29Y	121.5	0.00	3.47	0.95	0	7	2	96	0.00	0.0	2.557	0.145	0	0	0	2
PL.16707	PL.16706	A	#1/0 ACSR	7.29Y	121.5	0.00	3.47	0.95	0	7	2	96	0.00	0.0	2.718	0.161	0	0	0	2
PL.16597	PL.16707	A	#1/0 ACSR	7.29Y	121.5	0.00	3.47	0.95	0	7	2	96	0.00	0.0	2.826	0.108	0	0	1	2
PL.16598	PL.16597	A	#1/0 ACSR	7.29Y	121.5	0.00	3.48	0.93	0	7	2	96	0.00	0.0	2.971	0.145	7	2	1	1
PL.16784	PL.16593	ABC	#3/0 ACSR	7.29Y	121.5	0.13	3.51	125.95	42	2608	895	95	2.06	0.1	2.046	0.077	4	1	1	344
PL.16924	PL.16784	C	#2 ACSR	7.29Y	121.5	0.00	3.51	3.19	2	23	5	98	0.00	0.0	2.051	0.005	0	0	0	4
PD.2547	PL.16924	C	65T	7.29Y	121.5	0.00	3.51	3.19	0	23	5	98	0.00	0.0	2.051	0.005	0	0	0	4
PL.16925	PD.2547	C	#2 ACSR	7.29Y	121.5	0.00	3.52	3.19	2	23	5	98	0.00	0.0	2.094	0.044	7	2	1	4
PL.16591	PL.16925	C	#2 ACSR	7.29Y	121.5	0.00	3.52	2.17	1	15	4	97	0.00	0.0	2.151	0.056	0	0	0	3
PL.16594	PL.16591	C	#2 ACSR	7.29Y	121.5	0.00	3.53	2.17	1	15	4	97	0.00	0.0	2.226	0.075	1	0	1	3
PL.16595	PL.16594	C	#2 ACSR	7.29Y	121.5	0.00	3.53	1.97	1	14	3	98	0.00	0.0	2.234	0.008	14	3	2	2
PL.16785	PL.16784	ABC	#3/0 ACSR	7.29Y	121.4	0.06	3.58	124.72	42	2579	886	95	1.01	0.0	2.085	0.039	8	2	1	339
PL.16783	PL.16785	ABC	#3/0 ACSR	7.27Y	121.2	0.25	3.83	123.88	41	2560	881	95	3.94	0.2	2.237	0.153	0	0	0	336
PL.16782	PL.16783	ABC	#3/0 ACSR	7.26Y	121.0	0.18	4.01	113.84	38	2347	811	95	2.65	0.1	2.359	0.122	3	1	1	316
PL.16926	PL.16782	A	#1/0 ACSR	7.26Y	121.0	0.00	4.01	0.70	0	5	1	98	0.00	0.0	2.364	0.004	0	0	0	1
PD.2548	PL.16926	A	65T	7.26Y	121.0	0.00	4.01	0.70	0	5	1	98	0.00	0.0	2.364	0.004	0	0	0	1
PL.16927	PD.2548	A	#1/0 ACSR	7.26Y	121.0	0.00	4.01	0.70	0	5	1	98	0.00	0.0	2.407	0.044	5	1	1	1
PL.16781	PL.16782	ABC	#3/0 ACSR	7.25Y	120.8	0.18	4.19	113.47	38	2336	805	95	2.57	0.1	2.478	0.119	0	0	1	314
PL.16582	PL.16781	ABC	#3/0 ACSR	7.23Y	120.6	0.25	4.44	112.01	37	2302	794	95	3.53	0.2	2.646	0.168	7	2	1	307
PL.16583	PL.16582	ABC	#3/0 ACSR	7.23Y	120.5	0.06	4.50	111.68	37	2292	788	95	0.90	0.0	2.689	0.043	6	1	3	306
PL.16584	PL.16583	ABC	#3/0 ACSR	7.21Y	120.2	0.25	4.75	111.39	37	2285	785	95	3.56	0.2	2.860	0.171	5	1	1	303
PL.17046	PL.16584	A	6 A (CWC)	7.21Y	120.2	0.00	4.76	23.21	17	163	37	98	0.00	0.0	2.863	0.003	0	0	0	31
PD.2617	PL.17046	A	35L	7.21Y	120.2	0.00	4.76	23.21	66	163	37	98	0.00	0.0	2.863	0.003	0	0	0	31
PL.17047	PD.2617	A	6 A (CWC)	7.21Y	120.1	0.12	4.88	23.21	17	163	37	98	0.16	0.1	2.981	0.118	0	0	0	31
PL.16772	PL.17047	A	6 A (CWC)	7.21Y	120.1	0.02	4.90	23.21	17	163	37	98	0.02	0.0	2.996	0.015	4	1	2	31
PL.16284	PL.16772	A	#2 ACSR	7.21Y	120.1	0.00	4.90	1.30	1	9	2	98	0.00	0.0	3.063	0.067	5	1	1	2
PL.16285	PL.16284	A	#1/0 ACSR	7.21Y	120.1	0.00	4.90	0.61	0	4	1	97	0.00	0.0	3.196	0.132	4	1	1	1
PL.16773	PL.16772	A	6 A (CWC)	7.20Y	120.0	0.07	4.96	21.34	15	150	34	98	0.08	0.1	3.067	0.071	0	0	0	27
PL.16288	PL.16773	A	#4 ACSR	7.20Y	120.0	0.02	4.98	6.15	5	43	10	97	0.01	0.0	3.132	0.065	8	2	1	6

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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.16289	PL.16288	A	#4 ACSR	7.20Y	120.0	0.01	4.99	5.06	4	36	8	98	0.00	0.0	3.175	0.043	5	1	1	5
PL.16290	PL.16289	A	#2 ACSR	7.20Y	120.0	0.00	4.99	1.08	1	8	2	97	0.00	0.0	3.196	0.021	8	2	1	1
PL.16291	PL.16289	A	#4 ACSR	7.20Y	120.0	0.01	5.00	3.27	3	23	5	98	0.00	0.0	3.235	0.060	9	2	2	3
PL.16292	PL.16291	A	#4 ACSR	7.20Y	120.0	0.00	5.00	1.95	2	14	3	98	0.00	0.0	3.273	0.038	14	3	1	1
PL.16286	PL.16773	A	6 A (CWC)	7.20Y	120.0	0.07	5.04	12.25	9	86	20	97	0.05	0.1	3.194	0.127	0	0	0	16
PL.16744	PL.16286	A	6 A (CWC)	7.19Y	119.9	0.05	5.09	12.25	9	86	20	97	0.04	0.0	3.292	0.097	0	0	0	16
PL.16711	PL.16744	A	6 A (CWC)	7.19Y	119.8	0.08	5.17	12.25	9	86	20	97	0.05	0.1	3.450	0.159	18	4	2	16
PL.16293	PL.16711	A	6 A (CWC)	7.19Y	119.8	0.03	5.20	9.69	7	68	15	98	0.02	0.0	3.527	0.077	0	0	0	14
PL.16298	PL.16293	A	#4 ACSR	7.19Y	119.8	0.02	5.22	3.52	3	25	6	97	0.00	0.0	3.655	0.128	0	0	0	4
PL.16299	PL.16298	A	#2 ACSR	7.19Y	119.8	0.00	5.22	2.22	1	16	4	97	0.00	0.0	3.687	0.032	0	0	0	3
PL.16305	PL.16299	A	#2 ACSR	7.19Y	119.8	0.00	5.23	2.22	1	16	4	97	0.00	0.0	3.718	0.031	0	0	0	3
PL.16306	PL.16305	A	#2 ACSR	7.19Y	119.8	0.01	5.23	2.22	1	16	4	97	0.00	0.0	3.819	0.101	0	0	0	3
PL.16309	PL.16306	A	#2 ACSR	7.19Y	119.8	0.00	5.23	2.22	1	16	4	97	0.00	0.0	3.858	0.039	0	0	0	3
PL.16307	PL.16309	A	#2 ACSR	7.19Y	119.8	0.00	5.24	2.22	1	16	4	97	0.00	0.0	3.896	0.038	0	0	0	3
PL.16308	PL.16307	A	#1/0 ACSR	7.19Y	119.8	0.00	5.24	0.61	0	4	1	97	0.00	0.0	4.011	0.115	4	1	1	1
PL.16647	PL.16307	A	#2 ACSR	7.19Y	119.8	0.00	5.24	1.60	1	11	3	96	0.00	0.0	3.972	0.076	0	0	0	2
PL.16648	PL.16647	A	#2 ACSR	7.19Y	119.8	0.00	5.24	0.32	0	2	1	89	0.00	0.0	4.039	0.068	0	0	0	1
PL.16311	PL.16648	A	#2 ACSR	7.19Y	119.8	0.00	5.24	0.32	0	2	1	89	0.00	0.0	4.080	0.041	2	1	1	1
PL.16310	PL.16647	A	#1/0 ACSR	7.19Y	119.8	0.00	5.24	1.29	1	9	2	98	0.00	0.0	4.020	0.048	9	2	1	1
PL.16300	PL.16298	A	#4 ACSR	7.19Y	119.8	0.00	5.22	1.31	1	9	2	98	0.00	0.0	3.726	0.071	9	2	1	1
PL.16294	PL.16293	A	6 A (CWC)	7.19Y	119.8	0.02	5.22	3.72	3	26	6	97	0.00	0.0	3.655	0.128	0	0	0	8
PL.16295	PL.16294	A	#4 ACSR	7.19Y	119.8	0.00	5.22	2.07	2	14	3	98	0.00	0.0	3.699	0.044	14	3	3	3
PL.16296	PL.16294	A	6 A (CWC)	7.19Y	119.8	0.00	5.23	1.65	1	12	3	97	0.00	0.0	3.711	0.056	0	0	0	5
PL.16777	PL.16296	A	#2 ACSR	7.19Y	119.8	0.00	5.23	1.65	1	12	3	97	0.00	0.0	3.769	0.059	4	1	2	5
PL.16778	PL.16777	A	#2 ACSR	7.19Y	119.8	0.00	5.23	0.00	0	0	0	100	0.00	0.0	3.796	0.027	0	0	0	0
PL.16297	PL.16777	A	#4 ACSR	7.19Y	119.8	0.00	5.23	1.04	1	7	2	96	0.00	0.0	3.865	0.095	7	2	3	3
PL.16646	PL.16293	A	6 A (CWC)	7.19Y	119.8	0.02	5.22	2.45	2	17	4	97	0.00	0.0	3.709	0.182	0	0	0	2
PL.16301	PL.16646	A	6 A (CWC)	7.19Y	119.8	0.01	5.23	2.45	2	17	4	97	0.00	0.0	3.813	0.103	0	0	0	2
PL.16742	PL.16301	A	6 A (CWC)	7.19Y	119.8	0.01	5.24	2.45	2	17	4	97	0.00	0.0	3.913	0.101	0	0	0	2
PL.16712	PL.16742	A	6 A (CWC)	7.18Y	119.7	0.01	5.26	2.45	2	17	4	97	0.00	0.0	4.021	0.108	0	0	0	2
PL.16302	PL.16712	A	6 A (CWC)	7.18Y	119.7	0.01	5.27	2.45	2	17	4	97	0.00	0.0	4.144	0.123	0	0	0	2

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Balanced Voltage Drop Report
Source: Beattyville

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.16713	PL.16302	A	6 A (CWC)	7.18Y	119.7	0.01	5.28	2.45	2	17	4	97	0.00	0.0	4.235	0.091	0	0	0	2
PL.16303	PL.16713	A	#2 ACSR	7.18Y	119.7	0.01	5.29	2.45	1	17	4	97	0.00	0.0	4.344	0.108	8	2	1	2
PL.16896	PL.16303	A	1/0 AL URD	7.18Y	119.7	0.00	5.29	1.30	1	9	2	98	0.00	0.0	4.348	0.005	0	0	0	1
PD.2532	PL.16896	A	15T	7.18Y	119.7	0.00	5.29	1.30	0	9	2	98	0.00	0.0	4.348	0.005	0	0	0	1
PL.16897	PD.2532	A	1/0 AL URD	7.18Y	119.7	0.00	5.29	1.30	1	9	2	98	0.00	0.0	4.441	0.093	9	2	1	1
PL.16287	PL.16773	A	6 A (CWC)	7.20Y	120.0	0.01	4.98	2.94	2	21	5	97	0.00	0.0	3.151	0.084	3	1	2	5
PL.16312	PL.16287	A	#4 ACSR	7.20Y	120.0	0.00	4.98	2.55	2	18	4	98	0.00	0.0	3.185	0.034	0	0	0	3
PL.16313	PL.16312	A	#4 ACSR	7.20Y	120.0	0.00	4.98	2.55	2	18	4	98	0.00	0.0	3.219	0.034	0	0	0	3
PL.16314	PL.16313	A	#4 ACSR	7.20Y	120.0	0.00	4.98	1.30	1	9	2	98	0.00	0.0	3.252	0.033	0	0	1	2
PL.16316	PL.16314	A	#4 ACSR	7.20Y	120.0	0.00	4.99	1.28	1	9	2	98	0.00	0.0	3.289	0.036	9	2	1	1
PL.16315	PL.16313	A	#4 ACSR	7.20Y	120.0	0.00	4.99	1.26	1	9	2	98	0.00	0.0	3.276	0.057	0	0	0	1
PL.16317	PL.16315	A	#4 ACSR	7.20Y	120.0	0.00	4.99	1.26	1	9	2	98	0.00	0.0	3.367	0.091	9	2	1	1
PL.16774	PL.16584	ABC	#3/0 ACSR	7.21Y	120.1	0.12	4.88	103.47	34	2113	741	94	1.61	0.1	2.950	0.089	0	0	0	271
PL.16649	PL.16774	ABC	#3/0 ACSR	7.20Y	120.1	0.07	4.94	99.63	33	2030	720	94	0.82	0.0	2.999	0.049	0	0	0	256
PL.16578	PL.16649	ABC	#3/0 ACSR	7.20Y	120.0	0.06	5.01	99.63	33	2029	719	94	0.81	0.0	3.047	0.049	14	3	3	256
PL.16579	PL.16578	ABC	#3/0 ACSR	7.20Y	119.9	0.05	5.06	98.95	33	2014	715	94	0.61	0.0	3.085	0.037	0	0	0	253
PL.16914	PL.16579	A	#4 ACSR	7.20Y	119.9	0.00	5.06	0.07	0	1	0	100	0.00	0.0	3.089	0.005	0	0	0	1
PD.2541	PL.16914	A	65T	7.20Y	119.9	0.00	5.06	0.07	0	1	0	100	0.00	0.0	3.089	0.005	0	0	0	1
PL.16915	PD.2541	A	#4 ACSR	7.20Y	119.9	0.00	5.06	0.07	0	1	0	100	0.00	0.0	3.142	0.053	1	0	1	1
PL.16580	PL.16579	ABC	#3/0 ACSR	7.19Y	119.9	0.06	5.12	98.93	33	2013	714	94	0.79	0.0	3.133	0.048	0	0	0	252
PL.16581	PL.16580	ABC	#3/0 ACSR	7.19Y	119.8	0.09	5.21	98.93	33	2012	713	94	1.09	0.1	3.199	0.067	7	2	2	252
PL.16912	PL.16581	A	6 A (CWC)	7.19Y	119.8	0.00	5.21	0.00	0	0	0	100	0.00	0.0	3.204	0.005	0	0	0	0
PD.2540	PL.16912	A	65T	7.19Y	119.8	0.00	5.21	0.00	0	0	0	100	0.00	0.0	3.204	0.005	0	0	0	0
PL.16913	PD.2540	A	6 A (CWC)	7.19Y	119.8	0.00	5.21	0.00	0	0	0	100	0.00	0.0	3.240	0.036	0	0	0	0
PL.16771	PL.16581	ABC	#3/0 ACSR	7.19Y	119.8	0.04	5.24	98.58	33	2004	709	94	0.44	0.0	3.226	0.027	0	0	0	250
PL.16324	PL.16771	ABC	#3/0 ACSR	7.18Y	119.7	0.02	5.26	97.63	33	1983	704	94	0.24	0.0	3.241	0.015	0	0	0	247
PL.16325	PL.16324	ABC	#3/0 ACSR	7.18Y	119.7	0.00	5.26	97.63	33	1983	704	94	0.03	0.0	3.243	0.002	0	0	0	247
RG.21	PL.16325	ABC	114.3 KVA	7.46Y	124.4	-4.67	0.60	97.63	65	1983	704	94	percent Boost= 3.75		Tap= 6.0					247
PL.16651	RG.21	ABC	#3/0 ACSR	7.46Y	124.3	0.09	0.69	93.97	31	1983	704	94	1.08	0.1	3.316	0.073	0	0	0	247
PL.16910	PL.16651	A	#4 ACSR	7.46Y	124.3	0.00	0.69	2.25	2	16	4	97	0.00	0.0	3.320	0.005	0	0	0	3
PD.2539	PL.16910	A	65T	7.46Y	124.3	0.00	0.69	2.25	0	16	4	97	0.00	0.0	3.320	0.005	0	0	0	3

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Balanced Voltage Drop Report
Source: Beattyville

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.16911	PD.2539	A	#4 ACSR	7.46Y	124.3	0.01	0.70	2.25	2	16	4	97	0.00	0.0	3.479	0.159	8	2	1	3
PL.16326	PL.16911	A	#4 ACSR	7.46Y	124.3	0.00	0.70	1.21	1	9	2	98	0.00	0.0	3.533	0.054	9	2	2	2
PL.16769	PL.16651	ABC	#3/0 ACSR	7.45Y	124.2	0.07	0.76	93.22	31	1966	698	94	0.81	0.0	3.371	0.056	5	1	1	244
PL.16770	PL.16769	ABC	#3/0 ACSR	7.45Y	124.2	0.00	0.76	92.99	31	1960	696	94	0.02	0.0	3.373	0.001	38	18	1	243
PL.16767	PL.16770	ABC	#3/0 ACSR	7.45Y	124.2	0.08	0.84	91.13	30	1922	678	94	0.87	0.0	3.435	0.063	5	1	1	242
PL.16922	PL.16767	C	6 A (CWC)	7.45Y	124.2	0.00	0.84	0.74	1	5	1	98	0.00	0.0	3.440	0.005	0	0	0	1
PD.2546	PL.16922	C	65T	7.45Y	124.2	0.00	0.84	0.74	0	5	1	98	0.00	0.0	3.440	0.005	0	0	0	1
PL.16923	PD.2546	C	6 A (CWC)	7.45Y	124.2	0.00	0.84	0.74	1	5	1	98	0.00	0.0	3.483	0.043	5	1	1	1
PL.16994	PL.16767	A	6 A (CWC)	7.45Y	124.2	0.00	0.84	2.09	1	15	3	98	0.00	0.0	3.440	0.005	0	0	0	4
PD.2586	PL.16994	A	65T	7.45Y	124.2	0.00	0.84	2.09	0	15	3	98	0.00	0.0	3.440	0.005	0	0	0	4
PL.16995	PD.2586	A	6 A (CWC)	7.45Y	124.2	0.01	0.84	2.09	1	15	3	98	0.00	0.0	3.505	0.065	0	0	0	4
PL.16327	PL.16995	A	#1/0 ACSR	7.45Y	124.2	0.00	0.84	0.93	0	7	2	96	0.00	0.0	3.534	0.029	7	2	1	1
PL.16652	PL.16995	A	6 A (CWC)	7.45Y	124.2	0.01	0.85	1.16	1	8	2	97	0.00	0.0	3.626	0.120	2	1	1	3
PL.16486	PL.16652	A	#4 ACSR	7.45Y	124.1	0.00	0.85	0.85	1	6	1	99	0.00	0.0	3.692	0.066	3	1	1	2
PL.16487	PL.16486	A	#4 ACSR	7.45Y	124.1	0.00	0.85	0.40	0	3	1	95	0.00	0.0	3.786	0.094	3	1	1	1
PL.16768	PL.16767	ABC	#3/0 ACSR	7.45Y	124.1	0.03	0.87	89.99	30	1896	671	94	0.38	0.0	3.463	0.028	0	0	0	236
PL.16920	PL.16768	C	6 A (CWC)	7.45Y	124.1	0.00	0.87	1.40	1	10	2	98	0.00	0.0	3.468	0.005	0	0	0	2
PD.2545	PL.16920	C	65T	7.45Y	124.1	0.00	0.87	1.40	0	10	2	98	0.00	0.0	3.468	0.005	0	0	0	2
PL.16921	PD.2545	C	6 A (CWC)	7.45Y	124.1	0.00	0.87	1.40	1	10	2	98	0.00	0.0	3.491	0.023	10	2	1	2
PL.16588	PL.16921	C	6 A (CWC)	7.45Y	124.1	0.00	0.87	0.00	0	0	0	100	0.00	0.0	3.541	0.050	0	0	1	1
PL.16328	PL.16768	ABC	#3/0 ACSR	7.44Y	124.0	0.13	1.00	89.52	30	1885	668	94	1.45	0.1	3.571	0.107	0	0	0	234
PL.16867	PL.16328	ABC	#3/0 ACSR	7.44Y	124.0	0.01	1.01	89.26	30	1878	665	94	0.12	0.0	3.580	0.009	5	1	2	233
PL.16868	PL.16867	ABC	#3/0 ACSR	7.44Y	123.9	0.04	1.05	89.01	30	1873	663	94	0.49	0.0	3.617	0.037	0	0	0	231
PL.16488	PL.16868	ABC	#1/0 ACSR	7.42Y	123.7	0.23	1.28	89.01	39	1872	662	94	2.91	0.2	3.755	0.138	0	0	0	231
PL.16950	PL.16488	C	6 A (CWC)	7.42Y	123.7	0.00	1.28	1.22	1	9	2	98	0.00	0.0	3.759	0.004	0	0	0	1
PD.2562	PL.16950	C	65T	7.42Y	123.7	0.00	1.28	1.22	0	9	2	98	0.00	0.0	3.759	0.004	0	0	0	1
PL.16951	PD.2562	C	6 A (CWC)	7.42Y	123.7	0.00	1.28	1.22	1	9	2	98	0.00	0.0	3.830	0.071	9	2	1	1
PL.16653	PL.16488	ABC	#1/0 ACSR	7.41Y	123.5	0.26	1.54	88.60	39	1860	658	94	3.30	0.2	3.912	0.158	0	0	0	230
PL.16948	PL.16653	A	#4 ACSR	7.41Y	123.5	0.00	1.54	0.16	0	1	0	100	0.00	0.0	3.917	0.005	0	0	0	1
PD.2561	PL.16948	A	65T	7.41Y	123.5	0.00	1.54	0.16	0	1	0	100	0.00	0.0	3.917	0.005	0	0	0	1
PL.16949	PD.2561	A	#4 ACSR	7.41Y	123.5	0.00	1.54	0.16	0	1	0	100	0.00	0.0	4.024	0.108	1	0	1	1

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Balanced Voltage Drop Report
Source: Beattyville

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.16654	PL.16653	ABC	#1/0 ACSR	7.40Y	123.4	0.08	1.63	88.55	39	1856	654	94	1.05	0.1	3.962	0.050	0	0	0	229
PL.16946	PL.16654	C	#2 ACSR	7.40Y	123.4	0.00	1.63	0.00	0	0	0	100	0.00	0.0	3.967	0.005	0	0	0	1
PD.2560	PL.16946	C	65T	7.40Y	123.4	0.00	1.63	0.00	0	0	0	100	0.00	0.0	3.967	0.005	0	0	0	1
PL.16947	PD.2560	C	#2 ACSR	7.40Y	123.4	0.00	1.63	0.00	0	0	0	100	0.00	0.0	4.093	0.126	0	0	1	1
PL.16865	PL.16654	ABC	#1/0 ACSR	7.40Y	123.3	0.06	1.69	88.55	39	1855	653	94	0.79	0.0	4.000	0.038	5	1	1	228
PL.16866	PL.16865	ABC	#1/0 ACSR	7.39Y	123.1	0.17	1.86	88.33	38	1849	651	94	2.13	0.1	4.103	0.102	0	0	0	227
PL.16655	PL.16866	ABC	#1/0 ACSR	7.39Y	123.1	0.02	1.88	62.75	27	1331	402	96	0.22	0.0	4.123	0.021	0	0	0	223
PL.16490	PL.16655	ABC	#1/0 ACSR	7.38Y	123.0	0.11	1.99	62.75	27	1331	402	96	1.00	0.1	4.219	0.095	0	0	0	223
PL.16495	PL.16490	C	#4 ACSR	7.38Y	123.0	0.00	1.99	3.46	3	25	6	97	0.00	0.0	4.223	0.005	0	0	0	3
PD.2558	PL.16495	C	20T	7.38Y	123.0	0.00	1.99	3.46	0	25	6	97	0.00	0.0	4.223	0.005	0	0	0	3
PL.16656	PD.2558	C	#4 ACSR	7.38Y	123.0	0.00	1.99	1.77	1	13	3	97	0.00	0.0	4.304	0.081	13	3	1	1
PL.16765	PD.2558	C	#4 ACSR	7.38Y	123.0	0.00	1.99	1.69	1	12	3	97	0.00	0.0	4.240	0.016	0	0	0	2
PL.16766	PL.16765	C	#4 ACSR	7.38Y	123.0	0.00	1.99	1.69	1	12	3	97	0.00	0.0	4.240	0.000	0	0	0	2
PL.16496	PL.16766	C	#4 ACSR	7.38Y	123.0	0.00	2.00	1.69	1	12	3	97	0.00	0.0	4.301	0.061	6	1	1	2
PL.16497	PL.16496	C	#4 ACSR	7.38Y	123.0	0.00	2.00	0.88	1	6	1	99	0.00	0.0	4.387	0.086	6	1	1	1
PL.16491	PL.16490	ABC	#1/0 ACSR	7.38Y	123.0	0.05	2.04	61.60	27	1305	395	96	0.48	0.0	4.266	0.047	0	0	0	220
PL.16498	PL.16491	ABC	#1/0 ACSR	7.38Y	123.0	0.00	2.05	61.60	27	1305	395	96	0.03	0.0	4.269	0.003	0	0	0	220
PD.2621	PL.16498	ABC	100L	7.38Y	123.0	0.00	2.05	61.60	62	1305	395	96	0.00	0.0	4.269	0.003	0	0	0	220
PL.16657	PD.2621	ABC	#1/0 ACSR	7.37Y	122.9	0.04	2.09	61.60	27	1305	395	96	0.38	0.0	4.307	0.038	0	0	0	220
PL.17024	PL.16657	ABC	#1/0 ACSR	7.37Y	122.9	0.00	2.09	0.84	0	17	8	90	0.00	0.0	4.311	0.004	0	0	0	1
PD.2604	PL.17024	ABC	20T	7.37Y	122.9	0.00	2.09	0.84	0	17	8	90	0.00	0.0	4.311	0.004	0	0	0	1
PL.17025	PD.2604	ABC	#1/0 ACSR	7.37Y	122.9	0.00	2.09	0.84	0	17	8	90	0.00	0.0	4.317	0.006	17	8	1	1
PL.16658	PL.16657	ABC	#1/0 ACSR	7.37Y	122.9	0.06	2.15	60.77	26	1288	386	96	0.50	0.0	4.357	0.050	0	0	0	219
PL.16659	PL.16658	ABC	#1/0 ACSR	7.37Y	122.8	0.09	2.24	60.16	26	1274	383	96	0.81	0.1	4.442	0.084	0	0	0	218
PL.16660	PL.16659	ABC	#1/0 ACSR	7.36Y	122.7	0.04	2.28	56.45	25	1198	347	96	0.32	0.0	4.479	0.037	2	0	1	216
PL.16763	PL.16660	ABC	#1/0 ACSR	7.36Y	122.7	0.04	2.32	56.37	25	1196	346	96	0.36	0.0	4.521	0.042	5	1	2	215
PL.16940	PL.16763	A	#1/0 ACSR	7.36Y	122.7	0.00	2.32	1.33	1	10	2	98	0.00	0.0	4.526	0.005	0	0	0	1
PD.2556	PL.16940	A	20T	7.36Y	122.7	0.00	2.32	1.33	0	10	2	98	0.00	0.0	4.526	0.005	0	0	0	1
PL.16941	PD.2556	A	#1/0 ACSR	7.36Y	122.7	0.00	2.32	1.33	1	10	2	98	0.00	0.0	4.557	0.032	10	2	1	1
PL.16764	PL.16763	ABC	#1/0 ACSR	7.36Y	122.6	0.06	2.37	55.71	24	1181	343	96	0.45	0.0	4.576	0.054	0	0	0	212
PL.16876	PL.16764	ABC	#1/0 ACSR	7.35Y	122.6	0.04	2.42	55.71	24	1181	342	96	0.36	0.0	4.620	0.044	3	1	1	212

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: Beattyville

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.16877	PL.16876	ABC	#1/0 ACSR	7.35Y	122.5	0.06	2.48	55.57	24	1178	341	96	0.51	0.0	4.682	0.062	2	1	1	211
PL.16998	PL.16877	C	#4 ACSR	7.35Y	122.5	0.00	2.48	1.70	1	12	3	97	0.00	0.0	4.686	0.005	0	0	0	3
PD.2590	PL.16998	C	20T	7.35Y	122.5	0.00	2.48	1.70	0	12	3	97	0.00	0.0	4.686	0.005	0	0	0	3
PL.16999	PD.2590	C	#4 ACSR	7.35Y	122.5	0.00	2.49	1.70	1	12	3	97	0.00	0.0	4.762	0.076	5	1	1	3
PL.16518	PL.16999	C	#4 ACSR	7.35Y	122.5	0.00	2.49	0.96	1	7	2	96	0.00	0.0	4.824	0.062	7	2	1	1
PL.16517	PL.16999	C	#4 ACSR	7.35Y	122.5	0.00	2.49	0.09	0	1	0	100	0.00	0.0	4.840	0.078	1	0	1	1
PL.16874	PL.16877	ABC	#1/0 ACSR	7.35Y	122.4	0.10	2.58	54.57	24	1155	336	96	0.80	0.1	4.784	0.102	21	5	3	205
PL.16875	PL.16874	ABC	#1/0 ACSR	7.34Y	122.3	0.09	2.68	53.59	23	1134	330	96	0.75	0.1	4.881	0.097	0	0	0	202
PL.16757	PL.16875	ABC	#1/0 ACSR	7.33Y	122.2	0.12	2.79	53.59	23	1133	330	96	0.93	0.1	5.003	0.121	3	1	1	202
PL.16758	PL.16757	ABC	#1/0 ACSR	7.33Y	122.2	0.05	2.84	49.87	22	1054	304	96	0.34	0.0	5.053	0.051	0	0	0	194
PL.16976	PL.16758	A	#2 ACSR	7.33Y	122.2	0.00	2.84	0.00	0	0	0	100	0.00	0.0	5.058	0.005	0	0	0	0
PD.2575	PL.16976	A	20T	7.33Y	122.2	0.00	2.84	0.00	0	0	0	100	0.00	0.0	5.058	0.005	0	0	0	0
PL.16977	PD.2575	A	#2 ACSR	7.33Y	122.2	0.00	2.84	0.00	0	0	0	100	0.00	0.0	5.200	0.142	0	0	0	0
PL.16662	PL.16758	ABC	#1/0 ACSR	7.32Y	122.0	0.12	2.96	49.87	22	1054	303	96	0.85	0.1	5.182	0.128	0	0	0	194
PL.16663	PL.16662	ABC	#1/0 ACSR	7.32Y	122.0	0.05	3.01	49.56	22	1046	301	96	0.38	0.0	5.239	0.058	0	0	0	193
PL.16664	PL.16663	ABC	#1/0 ACSR	7.32Y	121.9	0.08	3.08	48.28	21	1018	294	96	0.53	0.1	5.325	0.086	0	0	0	187
PL.16665	PL.16664	ABC	#1/0 ACSR	7.31Y	121.8	0.13	3.22	47.77	21	1007	291	96	0.94	0.1	5.480	0.155	0	0	0	185
PL.16666	PL.16665	ABC	#1/0 ACSR	7.31Y	121.8	0.03	3.25	47.13	20	992	287	96	0.22	0.0	5.517	0.037	0	0	0	184
PL.16966	PL.16666	A	#1/0 ACSR	7.31Y	121.8	0.00	3.25	1.09	0	8	2	97	0.00	0.0	5.521	0.004	0	0	0	1
PD.2570	PL.16966	A	20T	7.31Y	121.8	0.00	3.25	1.09	0	8	2	97	0.00	0.0	5.521	0.004	0	0	0	1
PL.16967	PD.2570	A	#1/0 ACSR	7.31Y	121.8	0.00	3.25	1.09	0	8	2	97	0.00	0.0	5.591	0.070	8	2	1	1
PL.16519	PL.16666	ABC	#1/0 ACSR	7.30Y	121.7	0.08	3.33	46.42	20	977	284	96	0.55	0.1	5.612	0.095	0	0	0	181
PL.16964	PL.16519	C	#1/0 ACSR	7.30Y	121.7	0.00	3.33	2.15	1	15	3	98	0.00	0.0	5.617	0.005	0	0	0	3
PD.2569	PL.16964	C	20T	7.30Y	121.7	0.00	3.33	2.15	0	15	3	98	0.00	0.0	5.617	0.005	0	0	0	3
PL.16965	PD.2569	C	#1/0 ACSR	7.30Y	121.7	0.00	3.33	2.15	1	15	3	98	0.00	0.0	5.652	0.035	0	0	0	3
PL.16520	PL.16965	C	6 A (CWC)	7.30Y	121.7	0.00	3.33	2.15	2	15	3	98	0.00	0.0	5.690	0.038	0	0	0	3
PL.16871	PL.16520	C	#4 ACSR	7.30Y	121.7	0.00	3.34	2.15	2	15	3	98	0.00	0.0	5.720	0.030	12	3	2	3
PL.16872	PL.16871	C	#4 ACSR	7.30Y	121.7	0.00	3.34	0.52	0	4	1	97	0.00	0.0	5.800	0.081	0	0	0	1
PL.16531	PL.16872	C	#4 ACSR	7.30Y	121.7	0.00	3.34	0.52	0	4	1	97	0.00	0.0	5.925	0.125	4	1	1	1
PL.16667	PL.16519	ABC	#1/0 ACSR	7.30Y	121.6	0.07	3.39	45.71	20	961	280	96	0.44	0.0	5.691	0.079	0	0	0	178
PL.16522	PL.16667	ABC	#1/0 ACSR	7.29Y	121.5	0.11	3.51	45.71	20	961	279	96	0.75	0.1	5.826	0.135	0	0	0	178

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Balanced Voltage Drop Report
Source: Beattyville

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.16962	PL.16522	C	#1/0 ACSR	7.29Y	121.5	0.00	3.51	1.10	0	8	2	97	0.00	0.0	5.830	0.004	0	0	0	2
PD.2568	PL.16962	C	20T	7.29Y	121.5	0.00	3.51	1.10	0	8	2	97	0.00	0.0	5.830	0.004	0	0	0	2
PL.16963	PD.2568	C	#1/0 ACSR	7.29Y	121.5	0.00	3.51	1.10	0	8	2	97	0.00	0.0	5.871	0.041	0	0	0	2
PL.16869	PL.16963	C	#1/0 ACSR	7.29Y	121.5	0.00	3.51	1.10	0	8	2	97	0.00	0.0	5.936	0.066	7	1	1	2
PL.16870	PL.16869	C	#1/0 ACSR	7.29Y	121.5	0.00	3.51	0.17	0	1	0	100	0.00	0.0	5.980	0.044	1	0	1	1
PL.16668	PL.16522	ABC	#1/0 ACSR	7.28Y	121.4	0.12	3.63	45.34	20	952	277	96	0.80	0.1	5.972	0.147	0	0	0	176
PL.16960	PL.16668	C	#1/0 ACSR	7.28Y	121.4	0.00	3.63	1.28	1	9	2	98	0.00	0.0	5.977	0.004	0	0	0	2
PD.2567	PL.16960	C	20T	7.28Y	121.4	0.00	3.63	1.28	0	9	2	98	0.00	0.0	5.977	0.004	0	0	0	2
PL.16961	PD.2567	C	#1/0 ACSR	7.28Y	121.4	0.00	3.63	1.28	1	9	2	98	0.00	0.0	6.093	0.116	0	0	0	2
PL.16721	PL.16961	C	#1/0 ACSR	7.28Y	121.4	0.00	3.63	1.28	1	9	2	98	0.00	0.0	6.204	0.111	0	0	0	2
PL.16523	PL.16721	C	#1/0 ACSR	7.28Y	121.4	0.00	3.63	1.28	1	9	2	98	0.00	0.0	6.260	0.056	9	2	2	2
PL.28274	PL.16721	C	#1/0 ACSR	7.28Y	121.4	0.00	3.63	0.00	0	0	0	100	0.00	0.0	6.276	0.073	0	0	0	0
PL.16669	PL.16668	ABC	#1/0 ACSR	7.28Y	121.3	0.04	3.67	44.92	20	942	274	96	0.27	0.0	6.022	0.050	0	0	0	174
PL.16670	PL.16669	ABC	#1/0 ACSR	7.28Y	121.3	0.05	3.71	44.92	20	942	274	96	0.31	0.0	6.080	0.057	0	0	0	174
PL.16671	PL.16670	ABC	#1/0 ACSR	7.28Y	121.3	0.02	3.74	44.55	19	934	272	96	0.13	0.0	6.105	0.025	0	0	0	172
PL.16524	PL.16671	ABC	6 A (CWC)	7.26Y	121.1	0.19	3.92	44.55	32	934	272	96	1.41	0.2	6.212	0.107	0	0	0	172
PL.16672	PL.16524	ABC	6 A (CWC)	7.25Y	120.9	0.17	4.10	44.11	32	923	269	96	1.28	0.1	6.311	0.099	0	0	0	171
PL.16673	PL.16672	ABC	6 A (CWC)	7.25Y	120.8	0.13	4.22	42.96	31	897	263	96	0.92	0.1	6.386	0.075	0	0	0	169
PL.65704	PL.16673	ABC	6 A (CWC)	7.25Y	120.8	0.00	4.22	0.00	0	0	0	100	0.00	0.0	6.391	0.004	0	0	0	0
PL.17039	PL.16673	ABC	6 A (CWC)	7.23Y	120.5	0.27	4.49	42.96	31	896	262	96	1.93	0.2	6.544	0.158	0	0	0	169
PD.2613-A	PL.17039	ABC	Closed	7.23Y	120.5	0.00	4.49	42.96	0	894	262	96	0.00	0.0	6.544	0.158	0	0	0	169
PD.2613-B	PD.2613-A	ABC	Closed	7.23Y	120.5	0.00	4.49	42.96	0	894	262	96	0.00	0.0	6.544	0.158	0	0	0	169
PL.17038	PD.2613-B	ABC	6 A (CWC)	7.22Y	120.3	0.25	4.74	42.96	31	894	262	96	1.81	0.2	6.692	0.148	0	0	0	169
PL.16577	PL.17038	ABC	6 A (CWC)	7.21Y	120.2	0.08	4.81	42.96	31	893	261	96	0.55	0.1	6.737	0.045	0	0	0	169
PL.16329	PL.16577	ABC	6 A (CWC)	7.21Y	120.2	0.00	4.81	0.28	0	5	3	86	0.00	0.0	6.877	0.140	0	0	0	1
PL.16722	PL.16329	ABC	6 A (CWC)	7.21Y	120.2	0.00	4.82	0.28	0	5	3	86	0.00	0.0	6.983	0.107	0	0	0	1
PL.16723	PL.16722	ABC	6 A (CWC)	7.21Y	120.2	0.00	4.82	0.28	0	5	3	86	0.00	0.0	7.069	0.085	0	0	0	1
PL.16330	PL.16723	ABC	6 A (CWC)	7.21Y	120.2	0.00	4.82	0.00	0	0	0	100	0.00	0.0	7.138	0.070	0	0	0	0
PL.16702	PL.16330	ABC	6 A (CWC)	7.21Y	120.2	0.00	4.82	0.00	0	0	0	100	0.00	0.0	7.143	0.004	0	0	0	0
PD.2611-A	PL.16702	ABC	Open	7.21Y	120.2	0.00	4.82	0.00	0	0	0	100	0.00	0.0	7.143	0.004	0	0	0	0
PL.16674	PL.16723	ABC	6 A (CWC)	7.21Y	120.2	0.00	4.82	0.28	0	5	3	86	0.00	0.0	7.089	0.020	5	3	1	1

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Balanced Voltage Drop Report
Source: Beattyville

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.25746	PL.16577	ABC	6 A (CWC)	7.21Y	120.1	0.06	4.87	42.69	30	887	258	96	0.43	0.0	6.773	0.036	0	0	2	168
PL.25745	PL.25746	ABC	6 A (CWC)	7.20Y	120.0	0.15	5.02	42.68	30	886	258	96	1.06	0.1	6.860	0.087	0	0	0	166
PD.2615-A	PL.25745	ABC	Closed	7.20Y	120.0	0.00	5.02	42.68	0	885	258	96	0.00	0.0	6.860	0.087	0	0	0	166
PD.2615-B	PD.2615-A	ABC	Closed	7.20Y	120.0	0.00	5.02	42.68	0	885	258	96	0.00	0.0	6.860	0.087	0	0	0	166
PL.17042	PD.2615-B	ABC	6 A (CWC)	7.20Y	120.0	0.03	5.05	42.68	30	885	258	96	0.21	0.0	6.877	0.017	0	0	0	166
PL.16675	PL.17042	ABC	6 A (CWC)	7.19Y	119.8	0.18	5.23	42.30	30	877	254	96	1.28	0.1	6.985	0.108	0	0	0	164
PL.16334	PL.16675	A	6 A (CWC)	7.19Y	119.8	0.00	5.23	0.06	0	0	0	100	0.00	0.0	7.066	0.080	0	0	1	1
PL.16724	PL.16675	ABC	6 A (CWC)	7.17Y	119.6	0.21	5.43	42.28	30	876	253	96	1.47	0.2	7.110	0.124	0	0	0	163
PL.16676	PL.16724	ABC	6 A (CWC)	7.16Y	119.4	0.21	5.64	42.28	30	874	253	96	1.48	0.2	7.234	0.125	0	0	0	163
PL.16743	PL.16676	ABC	6 A (CWC)	7.15Y	119.2	0.13	5.77	42.28	30	873	252	96	0.90	0.1	7.310	0.076	0	0	0	162
PL.16726	PL.16743	ABC	6 A (CWC)	7.14Y	119.0	0.19	5.96	42.28	30	872	252	96	1.35	0.2	7.424	0.114	0	0	0	162
PL.16727	PL.16726	ABC	6 A (CWC)	7.13Y	118.8	0.20	6.16	42.28	30	870	251	96	1.43	0.2	7.544	0.120	0	0	0	162
PL.16677	PL.16727	ABC	6 A (CWC)	7.12Y	118.7	0.13	6.28	42.28	30	869	251	96	0.89	0.1	7.620	0.075	0	0	0	162
PL.17020	PL.16677	ABC	#4 ACSR	7.12Y	118.7	0.00	6.28	0.61	0	13	3	97	0.00	0.0	7.624	0.005	0	0	0	6
PD.2602	PL.17020	ABC	20T	7.12Y	118.7	0.00	6.28	0.61	0	13	3	97	0.00	0.0	7.624	0.005	0	0	0	6
PL.17021	PD.2602	ABC	#4 ACSR	7.12Y	118.7	0.00	6.28	0.61	0	13	3	97	0.00	0.0	7.699	0.074	2	0	1	6
PL.16335	PL.17021	A	#4 ACSR	7.12Y	118.7	0.00	6.29	1.57	1	11	2	98	0.00	0.0	7.771	0.072	5	1	2	5
PL.16337	PL.16335	A	#4 ACSR	7.12Y	118.7	0.00	6.29	0.37	0	3	1	95	0.00	0.0	7.868	0.096	3	1	2	2
PL.16336	PL.16335	A	#2 ACSR	7.12Y	118.7	0.00	6.29	0.45	0	3	1	95	0.00	0.0	7.786	0.015	3	1	1	1
PL.16751	PL.16677	ABC	6 A (CWC)	7.11Y	118.5	0.24	6.52	41.67	30	855	248	96	1.66	0.2	7.764	0.144	0	0	0	156
PL.16338	PL.16751	ABC	6 A (CWC)	7.11Y	118.4	0.06	6.58	16.03	11	333	78	97	0.17	0.0	7.861	0.097	0	0	0	84
PL.16339	PL.16338	ABC	6 A (CWC)	7.10Y	118.4	0.03	6.61	16.03	11	333	78	97	0.09	0.0	7.917	0.056	1	0	2	84
PL.16340	PL.16339	ABC	6 A (CWC)	7.10Y	118.4	0.01	6.62	15.96	11	331	78	97	0.03	0.0	7.932	0.015	0	0	0	82
PL.16341	PL.16340	ABC	#4 ACSR	7.10Y	118.3	0.08	6.70	15.96	12	331	77	97	0.22	0.1	8.066	0.134	4	1	1	82
PL.16348	PL.16341	ABC	#4 ACSR	7.10Y	118.3	0.00	6.71	1.21	1	25	6	97	0.00	0.0	8.141	0.075	0	0	0	5
PL.16439	PL.16348	ABC	#4 ACSR	7.10Y	118.3	0.00	6.71	1.21	1	25	6	97	0.00	0.0	8.200	0.059	0	0	0	5
PL.16441	PL.16439	B	#4 ACSR	7.10Y	118.3	0.00	6.71	1.70	1	12	3	97	0.00	0.0	8.249	0.049	0	0	0	3
PL.16442	PL.16441	B	#4 ACSR	7.10Y	118.3	0.00	6.72	1.70	1	12	3	97	0.00	0.0	8.320	0.071	10	2	1	3
PL.16443	PL.16442	B	#4 ACSR	7.10Y	118.3	0.00	6.72	0.31	0	2	0	100	0.00	0.0	8.403	0.084	0	0	1	2
PL.16444	PL.16443	B	6 A (CWC)	7.10Y	118.3	0.00	6.72	0.31	0	2	0	100	0.00	0.0	8.462	0.059	2	0	1	1
PL.16440	PL.16439	B	#4 ACSR	7.10Y	118.3	0.00	6.71	1.94	1	13	3	97	0.00	0.0	8.208	0.009	13	3	2	2

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

Balanced Voltage Drop Report
Source: Beattyville

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.16938	PL.16341	A	#2 ACSR	7.10Y	118.3	0.00	6.70	0.14	0	1	0	100	0.00	0.0	8.071	0.005	0	0	0	2
PD.2555	PL.16938	A	20T	7.10Y	118.3	0.00	6.70	0.14	0	1	0	100	0.00	0.0	8.071	0.005	0	0	0	2
PL.16939	PD.2555	A	#2 ACSR	7.10Y	118.3	0.00	6.70	0.14	0	1	0	100	0.00	0.0	8.092	0.022	0	0	0	2
PL.16350	PL.16939	A	#2 ACSR	7.10Y	118.3	0.00	6.70	0.14	0	1	0	100	0.00	0.0	8.154	0.062	1	0	2	2
PL.16349	PL.16341	B	#2 ACSR	7.10Y	118.3	0.01	6.71	43.58	25	301	71	97	0.02	0.0	8.073	0.007	0	0	0	74
PL.17050	PL.16349	B	#2 ACSR	7.10Y	118.3	0.00	6.72	43.58	25	301	71	97	0.01	0.0	8.076	0.003	0	0	0	74
PD.2619	PL.17050	B	70L	7.10Y	118.3	0.00	6.72	43.58	62	301	71	97	0.00	0.0	8.076	0.003	0	0	0	74
PL.17051	PD.2619	B	#2 ACSR	7.09Y	118.2	0.08	6.79	43.58	25	301	71	97	0.17	0.1	8.134	0.058	11	2	3	74
PL.16351	PL.17051	B	#4 ACSR	7.09Y	118.2	0.00	6.79	0.56	0	4	1	97	0.00	0.0	8.189	0.054	4	1	2	2
PL.16752	PL.17051	B	#2 ACSR	7.09Y	118.1	0.11	6.90	41.49	24	286	67	97	0.23	0.1	8.219	0.084	4	1	2	69
REG25	PL.16752	B	76.2 KVA	7.51Y	125.1	-7.04	-0.14	40.85	41	282	66	97	percent Boost= 0.00 Tap= 0.0							67
PL.16352	REG25	B	#2 ACSR	7.50Y	125.1	0.06	-0.08	38.55	22	282	66	97	0.12	0.0	8.268	0.049	0	0	0	67
PL.16826	PL.16352	B	#2 ACSR	7.50Y	125.0	0.09	0.01	38.55	22	282	66	97	0.18	0.1	8.344	0.076	0	0	1	67
PL.16827	PL.16826	B	#2 ACSR	7.50Y	125.0	0.04	0.05	38.55	22	282	66	97	0.08	0.0	8.376	0.032	0	0	0	66
PL.16353	PL.16827	B	#2 ACSR	7.48Y	124.7	0.21	0.26	38.55	22	281	66	97	0.42	0.2	8.553	0.177	0	0	0	66
PL.16678	PL.16353	B	#2 ACSR	7.48Y	124.6	0.14	0.40	38.51	22	281	65	97	0.28	0.1	8.670	0.117	0	0	0	65
PL.16359	PL.16678	B	#2 ACSR	7.47Y	124.4	0.17	0.57	38.22	22	278	65	97	0.33	0.1	8.817	0.147	17	4	3	64
PL.16361	PL.16359	B	#2 ACSR	7.46Y	124.3	0.09	0.66	35.95	21	261	61	97	0.17	0.1	8.898	0.081	0	0	0	61
PL.16362	PL.16361	B	#2 ACSR	7.45Y	124.2	0.11	0.77	35.95	21	261	60	97	0.20	0.1	8.996	0.098	0	0	0	61
PL.16753	PL.16362	B	#4 ACSR	7.44Y	124.0	0.22	0.99	35.95	28	261	60	97	0.42	0.2	9.139	0.143	14	3	2	61
PL.16363	PL.16753	B	#4 ACSR	7.44Y	124.0	0.02	1.00	5.15	4	37	9	97	0.00	0.0	9.214	0.076	0	0	0	7
PL.16367	PL.16363	B	#4 ACSR	7.44Y	124.0	0.00	1.01	5.15	4	37	9	97	0.00	0.0	9.225	0.011	0	0	0	7
PL.16680	PL.16367	B	#4 ACSR	7.44Y	124.0	0.02	1.03	5.15	4	37	9	97	0.00	0.0	9.369	0.144	23	5	2	7
PL.16829	PL.16680	B	#2 ACSR	7.44Y	124.0	0.00	1.03	1.93	1	14	3	98	0.00	0.0	9.408	0.039	4	1	3	5
PL.16828	PL.16829	B	#2 ACSR	7.44Y	124.0	0.00	1.03	1.34	1	10	2	98	0.00	0.0	9.432	0.024	10	2	2	2
PL.16754	PL.16753	B	#4 ACSR	7.44Y	124.0	0.05	1.04	28.86	22	209	48	97	0.08	0.0	9.180	0.042	0	0	0	52
PL.16364	PL.16754	B	#2 ACSR	7.44Y	124.0	0.00	1.04	0.99	1	7	2	96	0.00	0.0	9.233	0.053	7	2	1	1
PL.16365	PL.16754	B	#4 ACSR	7.43Y	123.8	0.19	1.23	27.87	21	202	47	97	0.29	0.1	9.337	0.157	0	0	0	51
PL.16371	PL.16365	B	#4 ACSR	7.42Y	123.7	0.09	1.32	26.38	20	191	44	97	0.13	0.1	9.418	0.081	8	2	1	46
PL.16374	PL.16371	B	#4 ACSR	7.42Y	123.7	0.00	1.32	0.12	0	1	0	100	0.00	0.0	9.431	0.013	1	0	1	1
PL.16375	PL.16371	B	#4 ACSR	7.41Y	123.6	0.12	1.44	23.42	18	169	39	97	0.15	0.1	9.533	0.115	0	0	0	41

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: Beattyville

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.16729	PL.16375	B	#4 ACSR	7.41Y	123.5	0.10	1.54	23.42	18	169	39	97	0.12	0.1	9.629	0.095	1	0	1	41
PL.16381	PL.16729	B	#4 ACSR	7.41Y	123.4	0.02	1.56	21.64	17	156	36	97	0.03	0.0	9.652	0.023	0	0	0	37
PL.16682	PL.16381	B	#4 ACSR	7.40Y	123.3	0.15	1.71	21.64	17	156	36	97	0.18	0.1	9.810	0.158	0	0	0	37
PL.16755	PL.16682	B	#4 ACSR	7.40Y	123.3	0.00	1.72	0.39	0	3	1	95	0.00	0.0	9.904	0.094	0	0	0	1
PL.16386	PL.16755	B	#4 ACSR	7.40Y	123.3	0.00	1.72	0.39	0	3	1	95	0.00	0.0	9.942	0.038	0	0	0	1
PL.16387	PL.16386	B	#4 ACSR	7.40Y	123.3	0.00	1.72	0.39	0	3	1	95	0.00	0.0	9.992	0.050	3	1	1	1
PL.16756	PL.16755	B	#4 ACSR	7.40Y	123.3	0.00	1.72	0.00	0	0	0	100	0.00	0.0	9.925	0.021	0	0	0	0
PL.16683	PL.16682	B	#4 ACSR	7.39Y	123.2	0.10	1.81	21.24	16	153	35	97	0.11	0.1	9.915	0.105	0	0	0	36
PL.16388	PL.16683	B	#4 ACSR	7.38Y	123.0	0.16	1.97	20.90	16	151	35	97	0.18	0.1	10.085	0.170	0	0	0	35
PL.16390	PL.16388	B	#4 ACSR	7.38Y	122.9	0.08	2.05	20.73	16	149	34	97	0.09	0.1	10.175	0.089	0	0	0	34
PL.16730	PL.16390	B	#4 ACSR	7.37Y	122.9	0.09	2.15	20.73	16	149	34	97	0.11	0.1	10.279	0.104	0	0	0	34
PL.16812	PL.16730	B	#4 ACSR	7.37Y	122.8	0.09	2.24	20.73	16	149	34	97	0.10	0.1	10.386	0.107	9	2	1	34
PL.16813	PL.16812	B	#4 ACSR	7.36Y	122.7	0.03	2.27	19.51	15	140	32	97	0.03	0.0	10.419	0.033	7	1	1	33
PL.16392	PL.16813	B	#4 ACSR	7.36Y	122.7	0.00	2.27	0.37	0	3	1	95	0.00	0.0	10.509	0.090	3	1	1	1
PL.16393	PL.16813	B	#4 ACSR	7.36Y	122.7	0.07	2.34	18.24	14	131	30	97	0.07	0.1	10.513	0.094	9	2	1	31
PL.16398	PL.16393	B	#4 ACSR	7.36Y	122.7	0.00	2.34	17.00	13	122	28	97	0.00	0.0	10.518	0.005	0	0	0	30
PD.2527	PL.16398	B	15T	7.36Y	122.7	0.00	2.34	17.00	0	122	28	97	0.00	0.0	10.518	0.005	0	0	0	30
PL.16759	PD.2527	B	#4 ACSR	7.36Y	122.7	0.00	2.35	5.13	4	37	8	98	0.00	0.0	10.524	0.006	0	0	0	8
PL.16760	PL.16759	B	#4 ACSR	7.36Y	122.7	0.00	2.35	5.13	4	37	8	98	0.00	0.0	10.524	0.000	0	0	0	8
PL.16684	PL.16760	B	#4 ACSR	7.36Y	122.6	0.03	2.37	5.13	4	37	8	98	0.01	0.0	10.645	0.121	0	0	0	8
PL.16399	PL.16684	B	#4 ACSR	7.36Y	122.6	0.01	2.39	5.13	4	37	8	98	0.00	0.0	10.701	0.056	0	0	0	8
PL.16400	PL.16399	B	#4 ACSR	7.36Y	122.6	0.01	2.40	3.46	3	25	6	97	0.00	0.0	10.791	0.090	5	1	1	5
PL.16808	PL.16400	B	#4 ACSR	7.36Y	122.6	0.00	2.40	1.57	1	11	3	96	0.00	0.0	10.849	0.057	11	3	1	1
PL.16809	PL.16808	B	#4 ACSR	7.36Y	122.6	0.00	2.40	0.00	0	0	0	100	0.00	0.0	10.882	0.033	0	0	0	0
PL.16405	PL.16400	B	#4 ACSR	7.36Y	122.6	0.01	2.40	1.22	1	9	2	98	0.00	0.0	10.886	0.095	0	0	1	3
PL.16806	PL.16405	B	#4 ACSR	7.36Y	122.6	0.00	2.41	1.22	1	9	2	98	0.00	0.0	10.942	0.055	6	1	1	2
PL.16807	PL.16806	B	#4 ACSR	7.36Y	122.6	0.00	2.41	0.45	0	3	1	95	0.00	0.0	10.957	0.016	3	1	1	1
PL.16401	PL.16399	B	#4 ACSR	7.36Y	122.6	0.00	2.39	1.67	1	12	3	97	0.00	0.0	10.741	0.039	12	3	2	3
PL.16403	PL.16401	B	#1/0 ACSR	7.36Y	122.6	0.00	2.39	0.05	0	0	0	100	0.00	0.0	10.850	0.109	0	0	0	1
PL.16402	PL.16403	B	#4 ACSR	7.36Y	122.6	0.00	2.39	0.05	0	0	0	100	0.00	0.0	10.905	0.056	0	0	1	1
PL.16810	PD.2527	B	#4 ACSR	7.36Y	122.6	0.01	2.35	11.69	9	84	19	98	0.00	0.0	10.531	0.014	11	2	2	21

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

Balanced Voltage Drop Report
Source: Beattyville

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.16811	PL.16810	B	#4 ACSR	7.36Y	122.6	0.05	2.41	10.18	8	73	17	97	0.03	0.0	10.651	0.120	0	0	0	19
PL.16406	PL.16811	B	#4 ACSR	7.35Y	122.6	0.01	2.42	8.23	6	59	13	98	0.01	0.0	10.686	0.035	0	0	0	15
PL.16404	PL.16406	B	#4 ACSR	7.35Y	122.6	0.00	2.42	0.00	0	0	0	100	0.00	0.0	10.767	0.081	0	0	0	0
PL.16407	PL.16406	B	#4 ACSR	7.35Y	122.5	0.05	2.47	8.23	6	59	13	98	0.02	0.0	10.818	0.132	0	0	0	15
PL.16408	PL.16407	B	#4 ACSR	7.35Y	122.5	0.03	2.50	8.23	6	59	13	98	0.01	0.0	10.904	0.086	0	0	0	15
PL.16421	PL.16408	B	#4 ACSR	7.35Y	122.5	0.03	2.52	6.62	5	47	11	97	0.01	0.0	10.998	0.094	0	0	0	8
PL.16732	PL.16421	B	#4 ACSR	7.35Y	122.4	0.04	2.56	6.62	5	47	11	97	0.01	0.0	11.132	0.135	0	0	0	8
PL.16685	PL.16732	B	#1/0 ACSR	7.35Y	122.4	0.00	2.56	0.11	0	1	0	100	0.00	0.0	11.188	0.055	0	0	0	1
PL.16423	PL.16685	B	#1/0 ACSR	7.35Y	122.4	0.00	2.56	0.11	0	1	0	100	0.00	0.0	11.247	0.059	1	0	1	1
PL.16424	PL.16685	B	1/0 AL URD	7.35Y	122.4	0.00	2.56	0.00	0	0	0	100	0.00	0.0	11.192	0.004	0	0	0	0
PD.2588	PL.16424	B	10T	7.35Y	122.4	0.00	2.56	0.00	0	0	0	100	0.00	0.0	11.192	0.004	0	0	0	0
PL.16697	PD.2588	B	1/0 AL URD	7.35Y	122.4	0.00	2.56	0.00	0	0	0	100	0.00	0.0	11.214	0.022	0	0	0	0
PL.16426	PL.16697	B	1/0 AL URD	7.35Y	122.4	0.00	2.56	0.00	0	0	0	100	0.00	0.0	11.306	0.091	0	0	0	0
PL.16535	PL.16426	B	1/0 AL URD	7.35Y	122.4	0.00	2.56	0.00	0	0	0	100	0.00	0.0	11.376	0.070	0	0	0	0
PL.16428	PL.16535	B	1/0 AL URD	7.35Y	122.4	0.00	2.56	0.00	0	0	0	100	0.00	0.0	11.400	0.025	0	0	0	0
PL.16427	PL.16428	B	1/0 AL URD	7.35Y	122.4	0.00	2.56	0.00	0	0	0	100	0.00	0.0	11.485	0.084	0	0	0	0
PL.16425	PL.16685	B	1/0 AL URD	7.35Y	122.4	0.00	2.56	0.00	0	0	0	100	0.00	0.0	11.192	0.005	0	0	0	0
PD.2529	PL.16425	B	10T	7.35Y	122.4	0.00	2.56	0.00	0	0	0	100	0.00	0.0	11.192	0.005	0	0	0	0
PL.16698	PD.2529	B	1/0 AL URD	7.35Y	122.4	0.00	2.56	0.00	0	0	0	100	0.00	0.0	11.287	0.094	0	0	0	0
PL.16559	PL.16698	B	1/0 AL URD	7.35Y	122.4	0.00	2.56	0.00	0	0	0	100	0.00	0.0	11.398	0.111	0	0	0	0
PL.16422	PL.16732	B	#4 ACSR	7.35Y	122.4	0.01	2.58	6.51	5	47	11	97	0.00	0.0	11.177	0.045	0	0	0	7
PL.16839	PL.16422	B	#4 ACSR	7.34Y	122.4	0.02	2.60	6.51	5	47	11	97	0.01	0.0	11.264	0.086	3	1	1	7
PL.16840	PL.16839	B	#4 ACSR	7.34Y	122.4	0.03	2.63	6.14	5	44	10	98	0.01	0.0	11.385	0.121	0	0	0	6
PL.16838	PL.16840	B	#4 ACSR	7.34Y	122.3	0.04	2.68	6.14	5	44	10	98	0.01	0.0	11.546	0.162	0	0	0	6
PL.16429	PL.16838	B	#4 ACSR	7.34Y	122.3	0.02	2.70	6.14	5	44	10	98	0.01	0.0	11.629	0.083	0	0	0	6
PL.16430	PL.16429	B	#4 ACSR	7.34Y	122.3	0.01	2.71	1.55	1	11	3	96	0.00	0.0	11.780	0.151	0	0	0	1
PL.16431	PL.16430	B	#1/0 ACSR	7.34Y	122.3	0.00	2.71	1.55	1	11	3	96	0.00	0.0	11.871	0.092	11	3	1	1
PL.16686	PL.16429	B	#4 ACSR	7.34Y	122.3	0.03	2.73	4.59	4	33	7	98	0.01	0.0	11.798	0.169	0	0	0	5
PL.16687	PL.16686	B	#4 ACSR	7.33Y	122.2	0.02	2.76	4.17	3	30	7	97	0.01	0.0	11.922	0.124	0	0	0	4
PL.16433	PL.16687	B	#1/0 ACSR	7.33Y	122.2	0.00	2.76	0.00	0	0	0	100	0.00	0.0	11.957	0.034	0	0	0	0
PL.16434	PL.16687	B	#4 ACSR	7.33Y	122.2	0.01	2.76	4.17	3	30	7	97	0.00	0.0	11.977	0.055	11	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: Beattyville

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.16435	PL.16434	B	#4 ACSR	7.33Y	122.2	0.02	2.78	2.68	2	19	4	98	0.00	0.0	12.119	0.142	0	0	0	3
PL.16733	PL.16435	B	#4 ACSR	7.33Y	122.2	0.02	2.80	2.68	2	19	4	98	0.00	0.0	12.297	0.177	5	1	1	3
PL.16834	PL.16733	B	#4 ACSR	7.33Y	122.2	0.00	2.80	0.88	1	6	1	99	0.00	0.0	12.406	0.109	0	0	0	1
PL.16835	PL.16834	B	#4 ACSR	7.33Y	122.2	0.00	2.81	0.88	1	6	1	99	0.00	0.0	12.477	0.071	0	0	0	1
PL.16438	PL.16835	B	#4 ACSR	7.33Y	122.2	0.00	2.81	0.88	1	6	1	99	0.00	0.0	12.581	0.105	6	1	1	1
PL.16836	PL.16438	B	#4 ACSR	7.33Y	122.2	0.00	2.81	0.00	0	0	0	100	0.00	0.0	12.658	0.077	0	0	0	0
PL.16837	PL.16836	B	#4 ACSR	7.33Y	122.2	0.00	2.81	0.00	0	0	0	100	0.00	0.0	12.749	0.091	0	0	0	0
PL.16437	PL.16733	B	#4 ACSR	7.33Y	122.2	0.00	2.80	1.05	1	7	2	96	0.00	0.0	12.398	0.102	0	0	0	1
PL.16436	PL.16437	B	#2 ACSR	7.33Y	122.2	0.00	2.80	0.00	0	0	0	100	0.00	0.0	12.537	0.138	0	0	0	0
PL.16688	PL.16437	B	#4 ACSR	7.33Y	122.2	0.00	2.81	1.05	1	7	2	96	0.00	0.0	12.462	0.064	7	2	1	1
PL.16432	PL.16686	B	#1/0 ACSR	7.34Y	122.3	0.00	2.73	0.42	0	3	1	95	0.00	0.0	11.872	0.074	3	1	1	1
PL.16409	PL.16408	B	#1/0 ACSR	7.35Y	122.5	0.00	2.50	1.61	1	12	3	97	0.00	0.0	11.024	0.120	0	0	0	7
PL.16700	PL.16409	B	1/0 AL URD	7.35Y	122.5	0.00	2.50	0.32	0	2	1	89	0.00	0.0	11.029	0.005	0	0	0	2
PD.2528	PL.16700	B	10T	7.35Y	122.5	0.00	2.50	0.32	0	2	1	89	0.00	0.0	11.029	0.005	0	0	0	2
PL.16420	PD.2528	B	1/0 AL URD	7.35Y	122.5	0.00	2.50	0.32	0	2	1	89	0.00	0.0	11.148	0.119	0	0	0	2
PL.16418	PL.16420	B	1/0 AL URD	7.35Y	122.5	0.00	2.50	0.32	0	2	1	89	0.00	0.0	11.199	0.052	0	0	0	2
PL.16412	PL.16418	B	1/0 AL URD	7.35Y	122.5	0.00	2.50	0.32	0	2	1	89	0.00	0.0	11.241	0.041	0	0	0	2
PL.16533	PL.16412	B	1/0 AL URD	7.35Y	122.5	0.00	2.50	0.32	0	2	1	89	0.00	0.0	11.298	0.057	2	1	2	2
PL.16413	PL.16533	B	1/0 AL URD	7.35Y	122.5	0.00	2.50	0.00	0	0	0	100	0.00	0.0	11.381	0.083	0	0	0	0
PL.16415	PL.16413	B	1/0 AL URD	7.35Y	122.5	0.00	2.50	0.00	0	0	0	100	0.00	0.0	11.465	0.084	0	0	0	0
PL.16558	PL.16415	B	1/0 AL URD	7.35Y	122.5	0.00	2.50	0.00	0	0	0	100	0.00	0.0	11.635	0.170	0	0	0	0
PL.16410	PL.16409	B	1/0 AL URD	7.35Y	122.5	0.00	2.50	1.29	1	9	2	98	0.00	0.0	11.029	0.004	0	0	0	5
PD.2587	PL.16410	B	10T	7.35Y	122.5	0.00	2.50	1.29	0	9	2	98	0.00	0.0	11.029	0.004	0	0	0	5
PL.16699	PD.2587	B	1/0 AL URD	7.35Y	122.5	0.00	2.50	1.29	1	9	2	98	0.00	0.0	11.100	0.072	0	0	0	5
PL.16419	PL.16699	B	1/0 AL URD	7.35Y	122.5	0.00	2.51	1.29	1	9	2	98	0.00	0.0	11.174	0.074	0	0	2	5
PL.16411	PL.16419	B	1/0 AL URD	7.35Y	122.5	0.01	2.51	1.29	1	9	2	98	0.00	0.0	11.321	0.147	0	0	0	3
PL.16414	PL.16411	B	1/0 AL URD	7.35Y	122.5	0.00	2.52	1.29	1	9	2	98	0.00	0.0	11.422	0.101	3	1	1	3
PL.16416	PL.16414	B	1/0 AL URD	7.35Y	122.5	0.00	2.52	0.86	1	6	1	99	0.00	0.0	11.485	0.063	3	1	1	2
PL.16417	PL.16416	B	1/0 AL URD	7.35Y	122.5	0.00	2.52	0.44	0	3	1	95	0.00	0.0	11.568	0.082	3	1	1	1
PL.16534	PL.16417	B	1/0 AL URD	7.35Y	122.5	0.00	2.52	0.00	0	0	0	100	0.00	0.0	11.584	0.016	0	0	0	0
PL.16816	PL.16811	B	#4 ACSR	7.36Y	122.6	0.00	2.41	1.94	1	14	3	98	0.00	0.0	10.668	0.017	0	0	1	4

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

Balanced Voltage Drop Report
Source: Beattyville

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.16818	PL.16816	B	#4 ACSR	7.36Y	122.6	0.00	2.41	1.93	1	14	3	98	0.00	0.0	10.708	0.041	0	0	1	3
PL.16817	PL.16818	B	#4 ACSR	7.35Y	122.6	0.01	2.42	1.92	1	14	3	98	0.00	0.0	10.827	0.118	0	0	0	2
PL.16731	PL.16817	B	#4 ACSR	7.35Y	122.6	0.01	2.43	1.92	1	14	3	98	0.00	0.0	10.916	0.089	0	0	0	2
PL.16397	PL.16731	B	#4 ACSR	7.35Y	122.6	0.01	2.43	1.92	1	14	3	98	0.00	0.0	10.987	0.071	4	1	1	2
PL.16395	PL.16397	B	#4 ACSR	7.35Y	122.6	0.01	2.44	1.41	1	10	2	98	0.00	0.0	11.088	0.102	0	0	0	1
PL.16394	PL.16395	B	#4 ACSR	7.35Y	122.6	0.00	2.44	1.41	1	10	2	98	0.00	0.0	11.154	0.066	10	2	1	1
PL.16761	PD.2527	B	#4 ACSR	7.36Y	122.7	0.00	2.34	0.18	0	1	0	100	0.00	0.0	10.522	0.004	0	0	0	1
PL.16762	PL.16761	B	#4 ACSR	7.36Y	122.7	0.00	2.34	0.18	0	1	0	100	0.00	0.0	10.522	0.000	0	0	0	1
PL.16814	PL.16762	B	#4 ACSR	7.36Y	122.7	0.00	2.35	0.18	0	1	0	100	0.00	0.0	10.554	0.032	1	0	1	1
PL.16815	PL.16814	B	#4 ACSR	7.36Y	122.7	0.00	2.35	0.00	0	0	0	100	0.00	0.0	10.614	0.059	0	0	0	0
PL.16391	PL.16388	B	#4 ACSR	7.38Y	123.0	0.00	1.97	0.17	0	1	0	100	0.00	0.0	10.211	0.126	1	0	1	1
PL.16389	PL.16683	B	#2 ACSR	7.39Y	123.2	0.00	1.81	0.35	0	3	1	95	0.00	0.0	9.957	0.042	3	1	1	1
PL.16383	PL.16381	B	#4 ACSR	7.41Y	123.4	0.00	1.56	0.00	0	0	0	100	0.00	0.0	9.693	0.041	0	0	0	0
PL.16382	PL.16383	B	#4 ACSR	7.41Y	123.4	0.00	1.56	0.00	0	0	0	100	0.00	0.0	9.764	0.071	0	0	0	0
PL.16830	PL.16729	B	#4 ACSR	7.41Y	123.5	0.01	1.55	1.64	1	12	3	97	0.00	0.0	9.746	0.118	4	1	1	3
PL.16831	PL.16830	B	#4 ACSR	7.41Y	123.4	0.00	1.55	1.09	1	8	2	97	0.00	0.0	9.804	0.058	0	0	1	2
PL.16384	PL.16831	B	#1/0 ACSR	7.41Y	123.4	0.00	1.55	1.09	0	8	2	97	0.00	0.0	9.851	0.047	0	0	0	1
PL.16385	PL.16384	B	#1/0 ACSR	7.41Y	123.4	0.00	1.55	1.09	0	8	2	97	0.00	0.0	9.896	0.044	8	2	1	1
PL.16376	PL.16371	B	#4 ACSR	7.42Y	123.7	0.01	1.33	1.75	1	13	3	97	0.00	0.0	9.534	0.116	0	0	1	3
PL.16377	PL.16376	B	#4 ACSR	7.42Y	123.7	0.00	1.34	1.69	1	12	3	97	0.00	0.0	9.599	0.066	0	0	0	2
PL.16379	PL.16377	B	#1/0 ACSR	7.42Y	123.7	0.00	1.34	0.35	0	3	1	95	0.00	0.0	9.686	0.086	0	0	0	1
PL.16380	PL.16379	B	#1/0 ACSR	7.42Y	123.7	0.00	1.34	0.35	0	3	1	95	0.00	0.0	9.786	0.100	3	1	1	1
PL.16378	PL.16377	B	#1/0 ACSR	7.42Y	123.7	0.00	1.34	1.34	1	10	2	98	0.00	0.0	9.667	0.068	10	2	1	1
PL.16370	PL.16365	B	#4 ACSR	7.43Y	123.8	0.00	1.23	1.49	1	11	2	98	0.00	0.0	9.354	0.017	0	0	0	5
PL.16372	PL.16370	B	#4 ACSR	7.43Y	123.8	0.01	1.24	1.49	1	11	2	98	0.00	0.0	9.490	0.136	0	0	0	5
PL.16681	PL.16372	B	#4 ACSR	7.43Y	123.8	0.00	1.24	0.45	0	3	1	95	0.00	0.0	9.612	0.121	3	1	2	2
PL.16832	PL.16372	B	#2 ACSR	7.43Y	123.8	0.00	1.24	1.04	1	8	2	97	0.00	0.0	9.564	0.073	3	1	2	3
PL.16833	PL.16832	B	#2 ACSR	7.43Y	123.8	0.00	1.24	0.63	0	5	1	98	0.00	0.0	9.602	0.038	5	1	1	1
PL.16360	PL.16678	B	#1/0 ACSR	7.48Y	124.6	0.00	0.40	0.29	0	2	0	100	0.00	0.0	8.739	0.069	2	0	1	1
PL.16358	PL.16353	B	#2 ACSR	7.48Y	124.7	0.00	0.26	0.04	0	0	0	100	0.00	0.0	8.647	0.095	0	0	0	1
PL.16357	PL.16358	B	#2 ACSR	7.48Y	124.7	0.00	0.26	0.04	0	0	0	100	0.00	0.0	8.657	0.009	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: Beattyville

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.16356	PL.16357	B	#2 ACSR	7.48Y	124.7	0.00	0.26	0.04	0	0	0	100	0.00	0.0	8.701	0.044	0	0	0	1
PL.16354	PL.16356	B	#1/0 ACSR	7.48Y	124.7	0.00	0.26	0.00	0	0	0	100	0.00	0.0	8.783	0.083	0	0	0	0
PL.16355	PL.16356	B	#2 ACSR	7.48Y	124.7	0.00	0.26	0.04	0	0	0	100	0.00	0.0	8.781	0.080	0	0	1	1
PL.16679	PL.16358	B	#2 ACSR	7.48Y	124.7	0.00	0.26	0.00	0	0	0	100	0.00	0.0	8.696	0.049	0	0	0	0
PL.16750	PL.16751	ABC	6 A (CWC)	7.10Y	118.4	0.07	6.58	25.68	18	521	169	95	0.28	0.1	7.829	0.065	0	0	0	72
PL.16749	PL.16750	ABC	6 A (CWC)	7.10Y	118.4	0.02	6.61	25.53	18	517	168	95	0.10	0.0	7.853	0.024	3	1	1	70
PL.16748	PL.16749	ABC	6 A (CWC)	7.10Y	118.3	0.06	6.66	25.10	18	509	166	95	0.24	0.0	7.910	0.057	0	0	0	68
PL.16689	PL.16748	ABC	6 A (CWC)	7.10Y	118.3	0.01	6.68	24.91	18	504	165	95	0.05	0.0	7.923	0.013	0	0	0	67
PD.2620	PL.16689	ABC	35L	7.10Y	118.3	0.00	6.68	24.91	71	504	165	95	0.00	0.0	7.923	0.013	0	0	0	67
PL.16747	PD.2620	ABC	6 A (CWC)	7.10Y	118.3	0.00	6.68	24.91	18	504	165	95	0.01	0.0	7.924	0.002	0	0	0	67
PL.16576	PL.16747	ABC	6 A (CWC)	7.10Y	118.3	0.03	6.71	24.91	18	504	165	95	0.14	0.0	7.959	0.035	6	1	2	67
PL.16575	PL.16576	ABC	6 A (CWC)	7.10Y	118.3	0.03	6.74	24.60	18	498	164	95	0.12	0.0	7.990	0.031	0	0	0	65
PL.16345	PL.16575	ABC	#4 ACSR	7.09Y	118.2	0.01	6.75	3.85	3	80	18	98	0.01	0.0	8.073	0.083	0	0	0	20
PL.16445	PL.16345	ABC	#4 ACSR	7.09Y	118.2	0.01	6.76	3.85	3	80	18	98	0.01	0.0	8.149	0.075	0	0	1	20
PL.16446	PL.16445	ABC	#4 ACSR	7.09Y	118.2	0.02	6.78	3.85	3	80	18	98	0.01	0.0	8.274	0.125	1	0	1	19
PL.16447	PL.16446	ABC	#4 ACSR	7.09Y	118.2	0.02	6.80	3.81	3	79	18	98	0.01	0.0	8.389	0.115	6	1	1	18
PL.16824	PL.16447	ABC	#4 ACSR	7.09Y	118.2	0.01	6.81	3.53	3	73	17	97	0.00	0.0	8.452	0.064	4	1	1	17
PL.16825	PL.16824	ABC	#4 ACSR	7.09Y	118.2	0.01	6.82	3.33	3	69	16	97	0.01	0.0	8.543	0.091	4	1	1	16
PL.16894	PL.16825	C	#4 ACSR	7.09Y	118.2	0.00	6.82	0.23	0	2	0	100	0.00	0.0	8.548	0.005	0	0	0	1
PD.2531	PL.16894	C	15T	7.09Y	118.2	0.00	6.82	0.23	0	2	0	100	0.00	0.0	8.548	0.005	0	0	0	1
PL.16895	PD.2531	C	#4 ACSR	7.09Y	118.2	0.00	6.82	0.23	0	2	0	100	0.00	0.0	8.575	0.027	0	0	0	1
PL.16449	PL.16895	C	#4 ACSR	7.09Y	118.2	0.00	6.82	0.23	0	2	0	100	0.00	0.0	8.702	0.127	2	0	1	1
PL.16448	PL.16825	ABC	#4 ACSR	7.09Y	118.2	0.01	6.83	3.06	2	63	14	98	0.01	0.0	8.632	0.089	2	1	1	14
PL.16450	PL.16448	ABC	#4 ACSR	7.09Y	118.2	0.00	6.83	0.00	0	0	0	100	0.00	0.0	8.706	0.074	0	0	0	0
PL.16536	PL.16450	ABC	#4 ACSR	7.09Y	118.2	0.00	6.83	0.00	0	0	0	100	0.00	0.0	8.732	0.025	0	0	0	0
PL.16892	PL.16448	A	#4 ACSR	7.09Y	118.2	0.00	6.83	8.83	7	61	14	97	0.00	0.0	8.637	0.005	0	0	0	13
PD.2530	PL.16892	A	15T	7.09Y	118.2	0.00	6.83	8.83	0	61	14	97	0.00	0.0	8.637	0.005	0	0	0	13
PL.16893	PD.2530	A	#4 ACSR	7.09Y	118.1	0.02	6.85	8.83	7	61	14	97	0.01	0.0	8.693	0.056	2	0	1	13
PL.16821	PL.16893	A	#4 ACSR	7.09Y	118.1	0.04	6.89	8.53	7	59	13	98	0.02	0.0	8.798	0.106	0	0	0	12
PL.16453	PL.16821	A	#4 ACSR	7.09Y	118.1	0.02	6.91	5.96	5	41	9	98	0.01	0.0	8.867	0.068	0	0	0	9
PL.16819	PL.16453	A	#4 ACSR	7.08Y	118.1	0.02	6.93	5.96	5	41	9	98	0.01	0.0	8.949	0.083	10	2	1	9

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Balanced Voltage Drop Report
Source: Beattyville

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.16820	PL.16819	A	#4 ACSR	7.08Y	118.1	0.01	6.94	4.47	3	31	7	98	0.00	0.0	9.005	0.056	14	3	1	8
PL.16455	PL.16820	A	#4 ACSR	7.08Y	118.0	0.01	6.95	2.48	2	17	4	97	0.00	0.0	9.138	0.133	1	0	2	7
PL.16456	PL.16455	A	#4 ACSR	7.08Y	118.0	0.01	6.96	2.37	2	16	4	97	0.00	0.0	9.286	0.148	4	1	2	5
PL.16457	PL.16456	A	#4 ACSR	7.08Y	118.0	0.00	6.96	0.00	0	0	0	100	0.00	0.0	9.304	0.018	0	0	0	0
PL.16460	PL.16457	A	#4 ACSR	7.08Y	118.0	0.00	6.96	0.00	0	0	0	100	0.00	0.0	9.362	0.059	0	0	0	0
PL.16458	PL.16456	A	#4 ACSR	7.08Y	118.0	0.00	6.97	1.72	1	12	3	97	0.00	0.0	9.337	0.052	12	3	3	3
PL.16451	PL.16821	A	#4 ACSR	7.09Y	118.1	0.00	6.90	2.57	2	18	4	98	0.00	0.0	8.852	0.054	7	2	1	3
PL.16454	PL.16451	A	#4 ACSR	7.09Y	118.1	0.01	6.91	1.56	1	11	2	98	0.00	0.0	9.017	0.165	0	0	0	2
PL.16822	PL.16454	A	#4 ACSR	7.09Y	118.1	0.00	6.91	1.56	1	11	2	98	0.00	0.0	9.069	0.051	11	2	2	2
PL.16823	PL.16822	A	#4 ACSR	7.09Y	118.1	0.00	6.91	0.00	0	0	0	100	0.00	0.0	9.123	0.055	0	0	0	0
PL.16452	PL.16821	A	#4 ACSR	7.09Y	118.1	0.00	6.89	0.00	0	0	0	100	0.00	0.0	8.876	0.077	0	0	0	0
PL.16346	PL.16575	ABC	6 A (CWC)	7.09Y	118.2	0.03	6.77	20.77	15	418	145	94	0.10	0.0	8.025	0.034	0	0	0	45
REG26	PL.16346	ABC	76.2 KVA	7.52Y	125.3	-7.05	-0.28	20.77	21	417	145	94	percent Boost= 5.62			Tap= 9.0				45
PL.16347	REG26	ABC	6 A (CWC)	7.51Y	125.2	0.10	-0.17	19.60	14	417	145	94	0.34	0.1	8.157	0.133	0	0	0	45
PL.16904	PL.16347	C	#4 ACSR	7.51Y	125.2	0.00	-0.17	0.21	0	2	0	100	0.00	0.0	8.162	0.005	0	0	0	2
PD.2536	PL.16904	C	15T	7.51Y	125.2	0.00	-0.17	0.21	0	2	0	100	0.00	0.0	8.162	0.005	0	0	0	2
PL.16905	PD.2536	C	#4 ACSR	7.51Y	125.2	0.00	-0.17	0.21	0	2	0	100	0.00	0.0	8.196	0.034	1	0	1	2
PL.16461	PL.16905	C	#1/0 ACSR	7.51Y	125.2	0.00	-0.17	0.00	0	0	0	100	0.00	0.0	8.263	0.066	0	0	1	1
PL.16465	PL.16347	ABC	6 A (CWC)	7.51Y	125.1	0.06	-0.11	19.34	14	411	144	94	0.20	0.0	8.238	0.080	0	0	0	42
PL.16906	PL.16465	A	#4 ACSR	7.51Y	125.1	0.00	-0.11	8.60	7	63	14	98	0.00	0.0	8.242	0.005	0	0	0	6
PD.2537	PL.16906	A	15T	7.51Y	125.1	0.00	-0.11	8.60	0	63	14	98	0.00	0.0	8.242	0.005	0	0	0	6
PL.16907	PD.2537	A	#4 ACSR	7.51Y	125.1	0.02	-0.09	8.60	7	63	14	98	0.01	0.0	8.304	0.062	34	8	3	6
PL.16464	PL.16907	A	#4 ACSR	7.51Y	125.1	0.01	-0.09	3.05	2	22	5	98	0.00	0.0	8.365	0.061	0	0	0	2
PL.16467	PL.16464	A	#4 ACSR	7.51Y	125.1	0.00	-0.08	1.21	1	9	2	98	0.00	0.0	8.447	0.082	9	2	1	1
PL.16691	PL.16464	A	#4 ACSR	7.51Y	125.1	0.00	-0.09	1.84	1	13	3	97	0.00	0.0	8.389	0.024	13	3	1	1
PL.16466	PL.16907	A	#2 ACSR	7.51Y	125.1	0.00	-0.09	0.88	1	6	1	99	0.00	0.0	8.327	0.023	6	1	1	1
PL.16690	PL.16465	ABC	6 A (CWC)	7.50Y	125.1	0.06	-0.06	16.49	12	348	129	94	0.16	0.0	8.324	0.087	0	0	0	36
PL.16538	PL.16690	ABC	6 A (CWC)	7.50Y	125.0	0.02	-0.03	15.94	11	336	127	94	0.07	0.0	8.363	0.039	0	0	0	32
PL.16539	PL.16538	ABC	6 A (CWC)	7.50Y	125.0	0.01	-0.03	15.94	11	336	127	94	0.02	0.0	8.374	0.011	1	0	1	32
PL.17030	PL.16539	ABC	6 A (CWC)	7.50Y	125.0	0.00	-0.02	9.40	7	191	92	90	0.00	0.0	8.379	0.005	0	0	0	2
PD.2607	PL.17030	ABC	15T	7.50Y	125.0	0.00	-0.02	9.40	0	191	92	90	0.00	0.0	8.379	0.005	0	0	0	2

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

Balanced Voltage Drop Report
Source: Beattyville

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.17031	PD.2607	ABC	6 A (CWC)	7.50Y	125.0	0.01	-0.02	9.40	7	191	92	90	0.01	0.0	8.393	0.014	0	0	0	2
PL.16482	PL.17031	ABC	#2 ACSR	7.50Y	125.0	0.01	-0.01	9.40	5	190	92	90	0.02	0.0	8.435	0.042	0	0	0	2
PL.16886	PL.16482	ABC	#2 ACSR	7.50Y	125.0	0.01	0.00	9.40	5	190	92	90	0.02	0.0	8.481	0.046	0	0	0	2
PL.16887	PL.16886	ABC	#2 ACSR	7.50Y	125.0	0.01	0.01	9.40	5	190	92	90	0.01	0.0	8.532	0.050	190	92	1	2
PL.16484	PL.16887	ABC	#1/0 ACSR	7.50Y	125.0	0.00	0.01	0.03	0	1	0	100	0.00	0.0	8.535	0.003	0	0	0	1
PL.16996	PL.16484	A	#1/0 ACSR	7.50Y	125.0	0.00	0.01	0.10	0	1	0	100	0.00	0.0	8.539	0.005	0	0	0	1
PD.2589	PL.16996	A	15T	7.50Y	125.0	0.00	0.01	0.10	0	1	0	100	0.00	0.0	8.539	0.005	0	0	0	1
PL.16997	PD.2589	A	#1/0 ACSR	7.50Y	125.0	0.00	0.01	0.10	0	1	0	100	0.00	0.0	8.584	0.045	1	0	1	1
PL.16540	PL.16539	ABC	6 A (CWC)	7.50Y	125.0	0.03	0.00	6.60	5	144	34	97	0.03	0.0	8.489	0.115	2	0	1	29
PL.16745	PL.16540	ABC	6 A (CWC)	7.50Y	125.0	0.01	0.02	6.52	5	143	34	97	0.02	0.0	8.544	0.054	1	0	1	28
PL.16982	PL.16745	C	6 A (CWC)	7.50Y	125.0	0.00	0.02	11.12	8	81	19	97	0.00	0.0	8.548	0.005	0	0	0	12
PD.2578	PL.16982	C	25T	7.50Y	125.0	0.00	0.02	11.12	0	81	19	97	0.00	0.0	8.548	0.005	0	0	0	12
PL.16983	PD.2578	C	6 A (CWC)	7.50Y	124.9	0.04	0.06	11.12	8	81	19	97	0.02	0.0	8.630	0.082	2	0	1	12
PL.16551	PL.16983	C	#1/0 ACSR	7.50Y	124.9	0.00	0.06	1.96	1	14	3	98	0.00	0.0	8.685	0.055	14	3	1	1
PL.16550	PL.16983	C	6 A (CWC)	7.49Y	124.9	0.04	0.10	8.95	6	65	15	97	0.02	0.0	8.722	0.092	0	0	0	10
PL.16880	PL.16550	C	6 A (CWC)	7.49Y	124.9	0.03	0.12	6.91	5	51	12	97	0.01	0.0	8.809	0.087	2	0	1	6
PL.16881	PL.16880	C	6 A (CWC)	7.49Y	124.8	0.03	0.15	6.64	5	49	11	98	0.01	0.0	8.898	0.089	0	0	0	5
PL.16553	PL.16881	C	#1/0 ACSR	7.49Y	124.8	0.00	0.15	2.10	1	15	3	98	0.00	0.0	8.956	0.058	0	0	0	2
PL.16556	PL.16553	C	6 A (CWC)	7.49Y	124.8	0.00	0.16	2.10	1	15	3	98	0.00	0.0	9.009	0.053	0	0	0	2
PL.16735	PL.16556	C	6 A (CWC)	7.49Y	124.8	0.02	0.18	2.10	1	15	3	98	0.00	0.0	9.200	0.190	0	0	0	2
PL.16736	PL.16735	C	6 A (CWC)	7.49Y	124.8	0.01	0.19	2.10	1	15	3	98	0.00	0.0	9.326	0.127	0	0	0	2
PL.21696	PL.16736	C	6 A (CWC)	7.49Y	124.8	0.01	0.20	2.10	1	15	3	98	0.00	0.0	9.419	0.093	0	0	0	2
PL.27887	PL.21696	C	6 A (CWC)	7.49Y	124.8	0.00	0.20	2.10	1	15	3	98	0.00	0.0	9.439	0.020	0	0	0	2
PL.27888	PL.27887	C	6 A (CWC)	7.49Y	124.8	0.00	0.20	2.10	1	15	3	98	0.00	0.0	9.439	0.000	0	0	0	2
PL.16738	PL.27888	C	6 A (CWC)	7.49Y	124.8	0.01	0.21	2.10	1	15	3	98	0.00	0.0	9.527	0.088	0	0	0	2
PL.16693	PL.16738	C	6 A (CWC)	7.49Y	124.8	0.00	0.21	0.96	1	7	2	96	0.00	0.0	9.626	0.099	7	2	1	1
PL.16557	PL.16738	C	6 A (CWC)	7.49Y	124.8	0.00	0.21	1.14	1	8	2	97	0.00	0.0	9.610	0.083	8	2	1	1
PL.16555	PL.16881	C	#1/0 ACSR	7.49Y	124.8	0.00	0.15	3.51	2	26	6	97	0.00	0.0	8.957	0.059	26	6	1	1
PL.16554	PL.16881	C	#4 ACSR	7.49Y	124.8	0.00	0.15	1.04	1	8	2	97	0.00	0.0	8.942	0.044	8	2	2	2
PL.16552	PL.16550	C	#4 ACSR	7.49Y	124.9	0.00	0.10	2.03	2	15	3	98	0.00	0.0	8.773	0.052	4	1	1	4
PL.16878	PL.16552	C	#2 ACSR	7.49Y	124.9	0.00	0.10	1.54	1	11	3	96	0.00	0.0	8.844	0.070	5	1	1	3

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Balanced Voltage Drop Report
Source: Beattyville

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.16879	PL.16878	C	#2 ACSR	7.49Y	124.9	0.00	0.11	0.84	0	6	1	99	0.00	0.0	8.904	0.060	6	1	2	2
PL.16746	PL.16745	ABC	6 A (CWC)	7.50Y	125.0	0.01	0.03	2.77	2	61	15	97	0.00	0.0	8.633	0.089	1	0	1	15
PL.16468	PL.16746	C	#1/0 ACSR	7.50Y	125.0	0.00	0.03	1.33	1	10	2	98	0.00	0.0	8.646	0.013	10	2	3	3
PL.16469	PL.16746	ABC	6 A (CWC)	7.50Y	125.0	0.00	0.03	1.52	1	33	8	97	0.00	0.0	8.676	0.043	0	0	0	8
PL.16694	PL.16469	ABC	6 A (CWC)	7.50Y	125.0	0.00	0.03	1.29	1	28	6	98	0.00	0.0	8.706	0.030	8	2	2	6
PL.16547	PL.16694	ABC	6 A (CWC)	7.50Y	125.0	0.00	0.03	0.40	0	9	2	98	0.00	0.0	8.747	0.041	9	2	2	2
PL.17008	PL.16694	C	6 A (CWC)	7.50Y	125.0	0.00	0.03	1.60	1	12	3	97	0.00	0.0	8.711	0.005	0	0	0	2
PD.2595	PL.17008	C	15T	7.50Y	125.0	0.00	0.03	1.60	0	12	3	97	0.00	0.0	8.711	0.005	0	0	0	2
PL.17009	PD.2595	C	6 A (CWC)	7.50Y	125.0	0.01	0.04	1.60	1	12	3	97	0.00	0.0	8.798	0.088	0	0	0	2
PL.16470	PL.17009	C	#1/0 ACSR	7.50Y	125.0	0.00	0.04	1.60	1	12	3	97	0.00	0.0	8.898	0.099	12	3	2	2
PL.16882	PL.16469	A	#1/0 ACSR	7.50Y	125.0	0.00	0.03	0.71	0	5	1	98	0.00	0.0	8.713	0.037	3	1	1	2
PL.16883	PL.16882	A	#1/0 ACSR	7.50Y	125.0	0.00	0.03	0.23	0	2	0	100	0.00	0.0	8.750	0.038	2	0	1	1
PL.16545	PL.16746	ABC	6 A (CWC)	7.50Y	125.0	0.00	0.03	0.77	1	17	5	96	0.00	0.0	8.696	0.063	0	0	0	3
PL.16546	PL.16545	ABC	6 A (CWC)	7.50Y	125.0	0.00	0.03	0.77	1	17	5	96	0.00	0.0	8.757	0.061	0	0	0	3
PL.16986	PL.16546	C	#2 ACSR	7.50Y	125.0	0.00	0.03	0.72	0	5	1	98	0.00	0.0	8.762	0.005	0	0	0	1
PD.2580	PL.16986	C	15T	7.50Y	125.0	0.00	0.03	0.72	0	5	1	98	0.00	0.0	8.762	0.005	0	0	0	1
PL.16987	PD.2580	C	#2 ACSR	7.50Y	125.0	0.00	0.03	0.72	0	5	1	98	0.00	0.0	8.847	0.085	5	1	1	1
PL.16549	PL.16546	ABC	6 A (CWC)	7.50Y	125.0	0.00	0.03	0.54	0	11	4	94	0.00	0.0	8.772	0.015	0	0	0	2
PL.17040	PL.16549	ABC	6 A (CWC)	7.50Y	125.0	0.00	0.03	0.54	0	11	4	94	0.00	0.0	8.777	0.005	0	0	0	2
PD.2614-A	PL.17040	ABC	Closed	7.50Y	125.0	0.00	0.03	0.54	0	11	4	94	0.00	0.0	8.777	0.005	0	0	0	2
PD.2614-B	PD.2614-A	ABC	Closed	7.50Y	125.0	0.00	0.03	0.54	0	11	4	94	0.00	0.0	8.777	0.005	0	0	0	2
PL.17041	PD.2614-B	ABC	6 A (CWC)	7.50Y	125.0	0.00	0.03	0.54	0	11	4	94	0.00	0.0	8.812	0.035	0	0	0	2
PL.16548	PL.17041	ABC	6 A (CWC)	7.50Y	125.0	0.00	0.04	0.54	0	11	4	94	0.00	0.0	8.964	0.152	0	0	0	2
PL.16740	PL.16548	ABC	6 A (CWC)	7.50Y	125.0	0.00	0.04	0.54	0	11	4	94	0.00	0.0	9.060	0.097	0	0	0	2
PL.16479	PL.16740	ABC	6 A (CWC)	7.50Y	125.0	0.00	0.04	0.26	0	5	3	86	0.00	0.0	9.182	0.122	0	0	0	1
PL.16480	PL.16479	ABC	6 A (CWC)	7.50Y	125.0	0.00	0.04	0.26	0	5	3	86	0.00	0.0	9.293	0.110	0	0	0	1
PL.16481	PL.16480	ABC	6 A (CWC)	7.50Y	125.0	0.00	0.04	0.26	0	5	3	86	0.00	0.0	9.392	0.100	5	3	1	1
PL.16472	PL.16740	ABC	6 A (CWC)	7.50Y	125.0	0.00	0.04	0.28	0	6	1	99	0.00	0.0	9.137	0.077	0	0	0	1
PL.16741	PL.16472	ABC	6 A (CWC)	7.50Y	125.0	0.00	0.04	0.28	0	6	1	99	0.00	0.0	9.324	0.187	0	0	0	1
PL.16541	PL.16741	ABC	6 A (CWC)	7.50Y	125.0	0.00	0.04	0.28	0	6	1	99	0.00	0.0	9.391	0.067	0	0	0	1
PL.16542	PL.16541	ABC	6 A (CWC)	7.50Y	125.0	0.00	0.04	0.28	0	6	1	99	0.00	0.0	9.403	0.012	0	0	0	1

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Balanced Voltage Drop Report
Source: Beattyville

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.16543	PL.16542	ABC	6 A (CWC)	7.50Y	125.0	0.00	0.04	0.28	0	6	1	99	0.00	0.0	9.444	0.041	0	0	0	1
PL.16544	PL.16543	ABC	6 A (CWC)	7.50Y	125.0	0.00	0.04	0.28	0	6	1	99	0.00	0.0	9.544	0.100	0	0	0	1
PL.16473	PL.16544	ABC	6 A (CWC)	7.50Y	125.0	0.00	0.04	0.28	0	6	1	99	0.00	0.0	9.642	0.098	0	0	0	1
PL.16474	PL.16473	ABC	6 A (CWC)	7.50Y	125.0	0.00	0.04	0.28	0	6	1	99	0.00	0.0	9.687	0.045	0	0	0	1
PL.16475	PL.16474	ABC	6 A (CWC)	7.50Y	125.0	0.00	0.04	0.00	0	0	0	100	0.00	0.0	9.691	0.004	0	0	0	0
PL.16476	PL.16474	A	#4 ACSR	7.50Y	125.0	0.00	0.05	0.84	1	6	1	99	0.00	0.0	9.767	0.080	0	0	0	1
PL.16477	PL.16476	A	#4 ACSR	7.50Y	125.0	0.00	0.05	0.84	1	6	1	99	0.00	0.0	9.825	0.057	6	1	1	1
PL.16478	PL.16740	ABC	6 A (CWC)	7.50Y	125.0	0.00	0.04	0.00	0	0	0	100	0.00	0.0	9.093	0.033	0	0	0	0
PL.16980	PL.16538	B	#4 ACSR	7.50Y	125.0	0.00	-0.03	0.00	0	0	0	100	0.00	0.0	8.368	0.005	0	0	0	0
PD.2577	PL.16980	B	15T	7.50Y	125.0	0.00	-0.03	0.00	0	0	0	100	0.00	0.0	8.368	0.005	0	0	0	0
PL.16981	PD.2577	B	#4 ACSR	7.50Y	125.0	0.00	-0.03	0.00	0	0	0	100	0.00	0.0	8.378	0.011	0	0	0	0
PL.17012	PL.16690	C	#4 ACSR	7.50Y	125.1	0.00	-0.06	1.68	1	12	3	97	0.00	0.0	8.329	0.005	0	0	0	4
PD.2597	PL.17012	C	15T	7.50Y	125.1	0.00	-0.06	1.68	0	12	3	97	0.00	0.0	8.329	0.005	0	0	0	4
PL.17013	PD.2597	C	#4 ACSR	7.50Y	125.1	0.00	-0.05	1.68	1	12	3	97	0.00	0.0	8.373	0.044	9	2	1	4
PL.16483	PL.17013	C	#4 ACSR	7.50Y	125.1	0.00	-0.05	0.41	0	3	1	95	0.00	0.0	8.514	0.141	0	0	0	3
PL.16734	PL.16483	C	#4 ACSR	7.50Y	125.1	0.00	-0.05	0.41	0	3	1	95	0.00	0.0	8.611	0.097	0	0	0	3
PL.16573	PL.16734	C	#2 ACSR	7.50Y	125.1	0.00	-0.05	0.03	0	0	0	100	0.00	0.0	8.701	0.090	0	0	1	1
PL.16574	PL.16573	C	#2 ACSR	7.50Y	125.1	0.00	-0.05	0.00	0	0	0	100	0.00	0.0	8.735	0.033	0	0	0	0
PL.16485	PL.16574	C	#2 ACSR	7.50Y	125.1	0.00	-0.05	0.00	0	0	0	100	0.00	0.0	8.834	0.099	0	0	0	0
PL.16692	PL.16734	C	#4 ACSR	7.50Y	125.1	0.00	-0.05	0.38	0	3	1	95	0.00	0.0	8.627	0.016	3	1	2	2
PL.16462	PL.16347	A	#2 ACSR	7.51Y	125.2	0.00	-0.17	0.58	0	4	1	97	0.00	0.0	8.186	0.029	0	0	0	1
PL.16463	PL.16462	A	#2 ACSR	7.51Y	125.2	0.00	-0.17	0.58	0	4	1	97	0.00	0.0	8.295	0.109	4	1	1	1
PL.16908	PL.16748	C	#1/0 ACSR	7.10Y	118.3	0.00	6.66	0.58	0	4	1	97	0.00	0.0	7.915	0.005	0	0	0	1
PD.2538	PL.16908	C	20T	7.10Y	118.3	0.00	6.66	0.58	0	4	1	97	0.00	0.0	7.915	0.005	0	0	0	1
PL.16909	PD.2538	C	#1/0 ACSR	7.10Y	118.3	0.00	6.66	0.58	0	4	1	97	0.00	0.0	7.988	0.073	0	0	0	1
PL.16344	PL.16909	C	#1/0 ACSR	7.10Y	118.3	0.00	6.67	0.58	0	4	1	97	0.00	0.0	8.070	0.082	4	1	1	1
PL.16343	PL.16749	A	#2 ACSR	7.10Y	118.4	0.00	6.61	0.83	0	6	1	99	0.00	0.0	7.888	0.035	6	1	1	1
PL.16902	PL.16750	C	#4 ACSR	7.10Y	118.4	0.00	6.58	0.45	0	3	1	95	0.00	0.0	7.834	0.005	0	0	0	2
PD.2535	PL.16902	C	20T	7.10Y	118.4	0.00	6.58	0.45	0	3	1	95	0.00	0.0	7.834	0.005	0	0	0	2
PL.16903	PD.2535	C	#4 ACSR	7.10Y	118.4	0.00	6.58	0.45	0	3	1	95	0.00	0.0	7.896	0.063	0	0	1	2
PL.16342	PL.16903	C	#2 ACSR	7.10Y	118.4	0.00	6.58	0.44	0	3	1	95	0.00	0.0	7.915	0.019	3	1	1	1

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Balanced Voltage Drop Report
Source: Beattyville

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.21310	PL.16676	ABC	#1/0 ACSR	7.16Y	119.4	0.00	5.64	0.00	0	0	0	100	0.00	0.0	7.239	0.005	0	0	0	1
PD.3063	PL.21310	ABC	20T	7.16Y	119.4	0.00	5.64	0.00	0	0	0	100	0.00	0.0	7.239	0.005	0	0	0	1
PL.21311	PD.3063	ABC	#1/0 ACSR	7.16Y	119.4	0.00	5.64	0.00	0	0	0	100	0.00	0.0	7.309	0.070	0	0	0	1
PL.16529	PL.21311	ABC	#1/0 ACSR	7.16Y	119.4	0.00	5.64	0.00	0	0	0	100	0.00	0.0	7.441	0.132	0	0	0	1
PL.16725	PL.16529	ABC	#1/0 ACSR	7.16Y	119.4	0.00	5.64	0.00	0	0	0	100	0.00	0.0	7.512	0.071	0	0	0	1
PL.16530	PL.16725	ABC	#1/0 ACSR	7.16Y	119.4	0.00	5.64	0.00	0	0	0	100	0.00	0.0	7.637	0.125	0	0	1	1
PL.16331	PL.17042	ABC	#2 ACSR	7.20Y	120.0	0.00	5.05	0.04	0	1	0	100	0.00	0.0	6.895	0.017	1	0	1	1
PL.16332	PL.17042	ABC	6 A (CWC)	7.20Y	120.0	0.00	5.05	0.34	0	7	3	92	0.00	0.0	6.896	0.018	7	3	1	1
PL.16954	PL.16672	B	6 A (CWC)	7.25Y	120.9	0.00	4.10	3.44	2	24	6	97	0.00	0.0	6.316	0.005	0	0	0	2
PD.2564	PL.16954	B	20T	7.25Y	120.9	0.00	4.10	3.44	0	24	6	97	0.00	0.0	6.316	0.005	0	0	0	2
PL.16955	PD.2564	B	6 A (CWC)	7.25Y	120.9	0.01	4.11	3.44	2	24	6	97	0.00	0.0	6.377	0.061	0	0	0	2
PL.16526	PL.16955	B	#4 ACSR	7.25Y	120.9	0.01	4.11	3.44	3	24	6	97	0.00	0.0	6.412	0.035	0	0	0	2
PL.16527	PL.16526	B	#4 ACSR	7.25Y	120.9	0.00	4.11	3.44	3	24	6	97	0.00	0.0	6.442	0.030	24	6	2	2
PL.16956	PL.16524	A	#4 ACSR	7.26Y	121.1	0.00	3.92	1.34	1	9	2	98	0.00	0.0	6.216	0.004	0	0	0	1
PD.2565	PL.16956	A	20T	7.26Y	121.1	0.00	3.92	1.34	0	9	2	98	0.00	0.0	6.216	0.004	0	0	0	1
PL.16957	PD.2565	A	#4 ACSR	7.26Y	121.1	0.00	3.92	1.34	1	9	2	98	0.00	0.0	6.264	0.048	9	2	1	1
PL.16958	PL.16670	C	#1/0 ACSR	7.28Y	121.3	0.00	3.71	1.10	0	8	2	97	0.00	0.0	6.084	0.004	0	0	0	2
PD.2566	PL.16958	C	20T	7.28Y	121.3	0.00	3.71	1.10	0	8	2	97	0.00	0.0	6.084	0.004	0	0	0	2
PL.16959	PD.2566	C	#1/0 ACSR	7.28Y	121.3	0.00	3.72	1.10	0	8	2	97	0.00	0.0	6.116	0.032	8	2	2	2
PL.17006	PL.16666	C	#4 ACSR	7.31Y	121.8	0.00	3.25	1.04	1	7	2	96	0.00	0.0	5.521	0.005	0	0	0	2
PD.2594	PL.17006	C	20T	7.31Y	121.8	0.00	3.25	1.04	0	7	2	96	0.00	0.0	5.521	0.005	0	0	0	2
PL.17007	PD.2594	C	#4 ACSR	7.30Y	121.7	0.00	3.25	1.04	1	7	2	96	0.00	0.0	5.623	0.102	0	0	1	2
PL.16521	PL.17007	C	#1/0 ACSR	7.30Y	121.7	0.00	3.26	1.04	0	7	2	96	0.00	0.0	5.721	0.098	0	0	0	1
PL.16720	PL.16521	C	#1/0 ACSR	7.30Y	121.7	0.00	3.26	1.04	0	7	2	96	0.00	0.0	5.845	0.124	7	2	1	1
PL.16968	PL.16665	C	#1/0 ACSR	7.31Y	121.8	0.00	3.22	1.91	1	14	3	98	0.00	0.0	5.484	0.005	0	0	0	1
PD.2571	PL.16968	C	20T	7.31Y	121.8	0.00	3.22	1.91	0	14	3	98	0.00	0.0	5.484	0.005	0	0	0	1
PL.16969	PD.2571	C	#1/0 ACSR	7.31Y	121.8	0.00	3.22	1.91	1	14	3	98	0.00	0.0	5.525	0.041	14	3	1	1
PL.16970	PL.16664	A	#1/0 ACSR	7.32Y	121.9	0.00	3.08	1.00	0	7	2	96	0.00	0.0	5.329	0.004	0	0	0	1
PD.2572	PL.16970	A	20T	7.32Y	121.9	0.00	3.08	1.00	0	7	2	96	0.00	0.0	5.329	0.004	0	0	0	1
PL.16971	PD.2572	A	#1/0 ACSR	7.31Y	121.9	0.00	3.08	1.00	0	7	2	96	0.00	0.0	5.373	0.044	7	2	1	1
PL.17004	PL.16664	C	#2 ACSR	7.32Y	121.9	0.00	3.08	0.53	0	4	1	97	0.00	0.0	5.329	0.004	0	0	0	1

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Balanced Voltage Drop Report
Source: Beattyville

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.2593	PL.17004	C	20T	7.32Y	121.9	0.00	3.08	0.53	0	4	1	97	0.00	0.0	5.329	0.004	0	0	0	1
PL.17005	PD.2593	C	#2 ACSR	7.32Y	121.9	0.00	3.08	0.53	0	4	1	97	0.00	0.0	5.355	0.025	4	1	1	1
PL.16514	PL.16663	C	6 A (CWC)	7.32Y	122.0	0.00	3.01	1.64	1	12	3	97	0.00	0.0	5.279	0.040	10	2	1	4
PL.16972	PL.16514	C	#4 ACSR	7.32Y	122.0	0.00	3.01	0.23	0	2	0	100	0.00	0.0	5.284	0.005	0	0	0	3
PD.2573	PL.16972	C	20T	7.32Y	122.0	0.00	3.01	0.23	0	2	0	100	0.00	0.0	5.284	0.005	0	0	0	3
PL.16973	PD.2573	C	#4 ACSR	7.32Y	122.0	0.00	3.01	0.23	0	2	0	100	0.00	0.0	5.443	0.159	1	0	2	3
PL.16515	PL.16973	C	#4 ACSR	7.32Y	122.0	0.00	3.01	0.05	0	0	0	100	0.00	0.0	5.505	0.062	0	0	1	1
PL.16974	PL.16663	C	#4 ACSR	7.32Y	122.0	0.00	3.01	2.21	2	16	4	97	0.00	0.0	5.244	0.005	0	0	0	2
PD.2574	PL.16974	C	20T	7.32Y	122.0	0.00	3.01	2.21	0	16	4	97	0.00	0.0	5.244	0.005	0	0	0	2
PL.16975	PD.2574	C	#4 ACSR	7.32Y	122.0	0.01	3.02	2.21	2	16	4	97	0.00	0.0	5.314	0.070	0	0	0	2
PL.16873	PL.16975	C	#4 ACSR	7.32Y	122.0	0.00	3.02	2.21	2	16	4	97	0.00	0.0	5.332	0.018	16	4	2	2
PL.17002	PL.16662	C	#4 ACSR	7.32Y	122.0	0.00	2.96	0.94	1	7	2	96	0.00	0.0	5.186	0.005	0	0	0	1
PD.2592	PL.17002	C	20T	7.32Y	122.0	0.00	2.96	0.94	0	7	2	96	0.00	0.0	5.186	0.005	0	0	0	1
PL.17003	PD.2592	C	#4 ACSR	7.32Y	122.0	0.00	2.96	0.94	1	7	2	96	0.00	0.0	5.216	0.030	7	2	1	1
PL.17028	PL.16757	ABC	#1/0 ACSR	7.33Y	122.2	0.00	2.80	3.58	2	75	24	95	0.00	0.0	5.015	0.012	0	0	0	7
PD.2606	PL.17028	ABC	20T	7.33Y	122.2	0.00	2.80	3.58	0	75	24	95	0.00	0.0	5.015	0.012	0	0	0	7
PL.17029	PD.2606	ABC	#1/0 ACSR	7.33Y	122.2	0.01	2.80	3.58	2	75	24	95	0.00	0.0	5.140	0.125	8	2	1	7
PL.16502	PL.17029	ABC	#1/0 ACSR	7.33Y	122.2	0.01	2.81	3.20	1	67	23	95	0.00	0.0	5.323	0.183	0	0	0	6
PL.16503	PL.16502	ABC	#1/0 ACSR	7.33Y	122.2	0.00	2.82	1.46	1	29	14	90	0.00	0.0	5.439	0.116	0	0	0	1
PL.17044	PL.16503	ABC	#1/0 ACSR	7.33Y	122.2	0.00	2.82	1.46	1	29	14	90	0.00	0.0	5.443	0.005	0	0	0	1
PD.2616-A	PL.17044	ABC	Closed	7.33Y	122.2	0.00	2.82	1.46	0	29	14	90	0.00	0.0	5.443	0.005	0	0	0	1
PD.2616-B	PD.2616-A	ABC	Closed	7.33Y	122.2	0.00	2.82	1.46	0	29	14	90	0.00	0.0	5.443	0.005	0	0	0	1
PL.17045	PD.2616-B	ABC	#1/0 ACSR	7.33Y	122.2	0.00	2.82	1.46	1	29	14	90	0.00	0.0	5.554	0.111	0	0	0	1
PL.16719	PL.17045	ABC	#1/0 ACSR	7.33Y	122.2	0.00	2.82	1.46	1	29	14	90	0.00	0.0	5.640	0.085	0	0	0	1
PL.16718	PL.16719	ABC	#1/0 ACSR	7.33Y	122.2	0.00	2.83	1.46	1	29	14	90	0.00	0.0	5.800	0.160	0	0	0	1
PL.16516	PL.16718	ABC	#1/0 ACSR	7.33Y	122.2	0.00	2.83	1.46	1	29	14	90	0.00	0.0	5.807	0.008	29	14	1	1
PL.16978	PL.16502	A	#1/0 ACSR	7.33Y	122.2	0.00	2.81	5.28	2	38	9	97	0.00	0.0	5.327	0.005	0	0	0	5
PD.2576	PL.16978	A	12T	7.33Y	122.2	0.00	2.81	5.28	0	38	9	97	0.00	0.0	5.327	0.005	0	0	0	5
PL.16979	PD.2576	A	#1/0 ACSR	7.33Y	122.2	0.02	2.84	5.28	2	38	9	97	0.01	0.0	5.509	0.182	0	0	0	5
PL.16504	PL.16979	A	#1/0 ACSR	7.33Y	122.2	0.01	2.84	5.28	2	38	9	97	0.00	0.0	5.576	0.067	0	0	0	5
PL.16661	PL.16504	A	#1/0 ACSR	7.33Y	122.2	0.00	2.84	0.85	0	6	1	99	0.00	0.0	5.615	0.039	6	1	1	1

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Balanced Voltage Drop Report
Source: Beattyville

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.16505	PL.16504	A	#1/0 ACSR	7.33Y	122.1	0.01	2.85	4.43	2	32	7	98	0.00	0.0	5.647	0.071	0	0	0	4
PL.16507	PL.16505	A	#1/0 ACSR	7.33Y	122.1	0.00	2.85	0.89	0	6	1	99	0.00	0.0	5.739	0.092	0	0	0	1
PL.16717	PL.16507	A	#1/0 ACSR	7.33Y	122.1	0.00	2.85	0.89	0	6	1	99	0.00	0.0	5.843	0.104	6	1	1	1
PL.16506	PL.16505	A	#1/0 ACSR	7.33Y	122.1	0.01	2.86	3.54	2	25	6	97	0.00	0.0	5.763	0.116	0	0	0	3
PL.16508	PL.16506	A	#1/0 ACSR	7.33Y	122.1	0.00	2.86	3.54	2	25	6	97	0.00	0.0	5.814	0.051	0	0	0	3
PL.16510	PL.16508	A	#1/0 ACSR	7.33Y	122.1	0.01	2.87	2.89	1	21	5	97	0.00	0.0	5.897	0.083	0	0	0	2
PL.16511	PL.16510	A	#1/0 ACSR	7.33Y	122.1	0.00	2.87	1.35	1	10	2	98	0.00	0.0	6.011	0.114	0	0	0	1
PL.16513	PL.16511	A	#1/0 ACSR	7.33Y	122.1	0.00	2.87	1.35	1	10	2	98	0.00	0.0	6.092	0.081	10	2	1	1
PL.16512	PL.16510	A	#1/0 ACSR	7.33Y	122.1	0.00	2.87	1.54	1	11	3	96	0.00	0.0	5.975	0.078	11	3	1	1
PL.16509	PL.16508	A	#1/0 ACSR	7.33Y	122.1	0.00	2.86	0.65	0	5	1	98	0.00	0.0	5.859	0.045	5	1	1	1
PL.17000	PL.16877	A	#4 ACSR	7.35Y	122.5	0.00	2.48	0.97	1	7	2	96	0.00	0.0	4.686	0.004	0	0	0	2
PD.2591	PL.17000	A	20T	7.35Y	122.5	0.00	2.48	0.97	0	7	2	96	0.00	0.0	4.686	0.004	0	0	0	2
PL.17001	PD.2591	A	#4 ACSR	7.35Y	122.5	0.00	2.48	0.97	1	7	2	96	0.00	0.0	4.703	0.017	0	0	0	2
PL.16500	PL.17001	A	6 A (CWC)	7.35Y	122.5	0.00	2.48	0.97	1	7	2	96	0.00	0.0	4.734	0.031	0	0	1	2
PL.16501	PL.16500	A	6 A (CWC)	7.35Y	122.5	0.00	2.48	0.96	1	7	2	96	0.00	0.0	4.788	0.053	7	2	1	1
PL.17026	PL.16659	ABC	#1/0 ACSR	7.37Y	122.8	0.00	2.24	3.75	2	75	35	91	0.00	0.0	4.446	0.004	0	0	0	2
PD.2605	PL.17026	ABC	20T	7.37Y	122.8	0.00	2.24	3.75	0	75	35	91	0.00	0.0	4.446	0.004	0	0	0	2
PL.17027	PD.2605	ABC	#1/0 ACSR	7.37Y	122.8	0.00	2.24	3.75	2	75	35	91	0.00	0.0	4.473	0.027	6	1	1	2
PL.16862	PL.17027	ABC	#1/0 ACSR	7.37Y	122.8	0.00	2.24	3.49	2	69	34	90	0.00	0.0	4.502	0.030	69	34	1	1
PL.16942	PL.16658	A	#1/0 ACSR	7.37Y	122.9	0.00	2.15	1.83	1	13	3	97	0.00	0.0	4.362	0.005	0	0	0	1
PD.2557	PL.16942	A	20T	7.37Y	122.9	0.00	2.15	1.83	0	13	3	97	0.00	0.0	4.362	0.005	0	0	0	1
PL.16943	PD.2557	A	#1/0 ACSR	7.37Y	122.9	0.00	2.15	1.83	1	13	3	97	0.00	0.0	4.398	0.036	13	3	1	1
PL.16489	PL.16866	ABC	#4 ACSR	7.39Y	123.1	0.03	1.89	25.80	20	516	247	90	0.13	0.0	4.132	0.029	0	0	0	4
PL.17022	PL.16489	ABC	#4 ACSR	7.39Y	123.1	0.00	1.89	25.80	20	515	247	90	0.02	0.0	4.137	0.004	0	0	0	4
PD.2603	PL.17022	ABC	65T	7.39Y	123.1	0.00	1.89	25.80	0	515	247	90	0.00	0.0	4.137	0.004	0	0	0	4
PL.17023	PD.2603	ABC	#4 ACSR	7.39Y	123.1	0.01	1.90	25.80	20	515	247	90	0.06	0.0	4.152	0.015	0	0	0	4
PL.16863	PL.17023	ABC	#4 ACSR	7.38Y	123.0	0.08	1.99	25.80	20	515	247	90	0.37	0.1	4.238	0.086	4	1	1	4
PL.16864	PL.16863	ABC	#4 ACSR	7.38Y	122.9	0.09	2.07	25.60	20	511	246	90	0.37	0.1	4.326	0.088	0	0	0	3
PL.16944	PL.16864	A	#4 ACSR	7.38Y	122.9	0.00	2.07	0.63	0	5	1	98	0.00	0.0	4.330	0.005	0	0	0	2
PD.2559	PL.16944	A	40T	7.38Y	122.9	0.00	2.07	0.63	0	5	1	98	0.00	0.0	4.330	0.005	0	0	0	2
PL.16945	PD.2559	A	#4 ACSR	7.38Y	122.9	0.00	2.07	0.63	0	5	1	98	0.00	0.0	4.358	0.027	5	1	2	2

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

Balanced Voltage Drop Report
Source: Beattyville

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.16492	PL.16864	ABC	#4 ACSR	7.37Y	122.8	0.12	2.19	25.39	20	506	245	90	0.50	0.1	4.447	0.121	0	0	0	1
PL.16493	PL.16492	ABC	#4 ACSR	7.36Y	122.7	0.08	2.27	25.39	20	505	245	90	0.24	0.0	4.621	0.173	505	245	1	1
PL.16494	PL.16493	ABC	#4 ACSR	7.36Y	122.7	0.00	2.27	0.00	0	0	0	100	0.00	0.0	4.623	0.003	0	0	0	0
PL.16952	PL.16328	A	#2 ACSR	7.44Y	124.0	0.00	1.00	0.81	0	6	1	99	0.00	0.0	3.576	0.005	0	0	0	1
PD.2563	PL.16952	A	65T	7.44Y	124.0	0.00	1.00	0.81	0	6	1	99	0.00	0.0	3.576	0.005	0	0	0	1
PL.16953	PD.2563	A	#2 ACSR	7.44Y	124.0	0.00	1.00	0.81	0	6	1	99	0.00	0.0	3.662	0.087	6	1	1	1
PL.16984	PL.16771	C	6 A (CWC)	7.19Y	119.8	0.00	5.24	2.87	2	20	5	97	0.00	0.0	3.231	0.005	0	0	0	3
PD.2579	PL.16984	C	65T	7.19Y	119.8	0.00	5.24	2.87	0	20	5	97	0.00	0.0	3.231	0.005	0	0	0	3
PL.16985	PD.2579	C	6 A (CWC)	7.19Y	119.8	0.00	5.24	2.87	2	20	5	97	0.00	0.0	3.253	0.022	11	2	2	3
PL.16587	PL.16985	C	6 A (CWC)	7.19Y	119.8	0.00	5.25	1.35	1	9	2	98	0.00	0.0	3.294	0.041	9	2	1	1
CP.26	PL.16649	ABC	Cap (300)	7.20Y	120.1	0.00	4.94	0.00	0	0	0	100	0.00	0.0	2.999	0.041	0	0	0	0
PL.16916	PL.16774	C	6 A (CWC)	7.21Y	120.1	0.00	4.88	11.60	8	81	19	97	0.00	0.0	2.954	0.005	0	0	0	15
PD.2542	PL.16916	C	65T	7.21Y	120.1	0.00	4.88	11.60	0	81	19	97	0.00	0.0	2.954	0.005	0	0	0	15
PL.16917	PD.2542	C	6 A (CWC)	7.21Y	120.1	0.01	4.89	11.60	8	81	19	97	0.01	0.0	2.981	0.027	0	0	0	15
PL.16589	PL.16917	C	6 A (CWC)	7.21Y	120.1	0.01	4.90	7.81	6	55	13	97	0.00	0.0	3.013	0.032	6	1	1	13
PL.16590	PL.16589	C	6 A (CWC)	7.20Y	120.1	0.02	4.93	6.97	5	49	11	98	0.01	0.0	3.088	0.074	0	0	0	12
PL.16775	PL.16590	C	6 A (CWC)	7.20Y	120.0	0.02	4.95	6.97	5	49	11	98	0.01	0.0	3.164	0.077	1	0	3	12
PL.16320	PL.16775	C	6 A (CWC)	7.20Y	120.0	0.00	4.95	1.29	1	9	2	98	0.00	0.0	3.252	0.088	9	2	1	1
PL.16776	PL.16775	C	6 A (CWC)	7.20Y	120.0	0.00	4.95	0.55	0	4	1	97	0.00	0.0	3.284	0.120	4	1	2	2
PL.16319	PL.16775	C	#4 ACSR	7.20Y	120.0	0.01	4.96	4.94	4	35	8	97	0.00	0.0	3.195	0.031	0	0	1	6
PL.16321	PL.16319	C	#4 ACSR	7.20Y	120.0	0.02	4.98	4.94	4	35	8	97	0.01	0.0	3.285	0.090	0	0	0	5
PL.16322	PL.16321	C	#4 ACSR	7.20Y	120.0	0.00	4.98	0.80	1	6	1	99	0.00	0.0	3.404	0.119	6	1	1	1
PL.16650	PL.16321	C	#4 ACSR	7.20Y	120.0	0.01	4.99	4.14	3	29	7	97	0.00	0.0	3.345	0.060	19	4	3	4
PL.16323	PL.16650	C	#4 ACSR	7.20Y	120.0	0.01	4.99	1.49	1	10	2	98	0.00	0.0	3.458	0.113	0	0	0	1
PL.16715	PL.16323	C	#4 ACSR	7.20Y	120.0	0.00	5.00	1.49	1	10	2	98	0.00	0.0	3.534	0.076	10	2	1	1
PL.16318	PL.16917	C	#4 ACSR	7.21Y	120.1	0.00	4.90	3.79	3	27	6	98	0.00	0.0	3.028	0.047	27	6	2	2
PL.16277	PL.16781	C	#2 ACSR	7.25Y	120.8	0.00	4.19	4.43	3	31	7	98	0.00	0.0	2.483	0.005	0	0	0	6
PD.2543	PL.16277	C	65T	7.25Y	120.8	0.00	4.19	4.43	0	31	7	98	0.00	0.0	2.483	0.005	0	0	0	6
PL.16779	PD.2543	C	#2 ACSR	7.25Y	120.8	0.00	4.19	3.56	2	25	6	97	0.00	0.0	2.497	0.015	0	0	0	5
PL.16780	PL.16779	C	#2 ACSR	7.25Y	120.8	0.00	4.19	3.56	2	25	6	97	0.00	0.0	2.498	0.000	0	0	0	5
PL.16278	PL.16780	C	#2 ACSR	7.25Y	120.8	0.01	4.20	3.56	2	25	6	97	0.00	0.0	2.585	0.087	7	2	1	5

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Balanced Voltage Drop Report
Source: Beattyville

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.16279	PL.16278	C	6 A (CWC)	7.25Y	120.8	0.01	4.21	2.60	2	18	4	98	0.00	0.0	2.687	0.103	0	0	0	4
PL.16280	PL.16279	C	#4 ACSR	7.25Y	120.8	0.00	4.21	0.71	1	5	1	98	0.00	0.0	2.755	0.067	5	1	1	1
PL.16281	PL.16279	C	6 A (CWC)	7.25Y	120.8	0.00	4.21	0.88	1	6	1	99	0.00	0.0	2.706	0.019	6	1	2	2
PL.16282	PL.16279	C	#4 ACSR	7.25Y	120.8	0.00	4.22	1.01	1	7	2	96	0.00	0.0	2.755	0.067	0	0	0	1
PL.16283	PL.16282	C	#4 ACSR	7.25Y	120.8	0.00	4.22	1.01	1	7	2	96	0.00	0.0	2.825	0.070	7	2	1	1
PL.16645	PD.2543	C	#2 ACSR	7.25Y	120.8	0.00	4.19	0.86	0	6	1	99	0.00	0.0	2.521	0.038	6	1	1	1
PL.16267	PL.16783	ABC	#1/0 ACSR	7.27Y	121.2	0.00	3.83	7.88	3	166	45	97	0.00	0.0	2.242	0.005	0	0	0	17
PD.2601	PL.16267	ABC	100CodeSMo	7.27Y	121.2	0.00	3.83	7.88	0	166	45	97	0.00	0.0	2.242	0.005	0	0	0	17
PL.16695	PD.2601	ABC	#1/0 ACSR	7.27Y	121.2	0.01	3.84	7.88	3	166	45	97	0.01	0.0	2.337	0.095	27	13	1	17
PL.16269	PL.16695	B	#1/0 ACSR	7.27Y	121.2	0.00	3.84	19.65	9	139	32	97	0.00	0.0	2.340	0.003	0	0	0	16
PL.16918	PL.16269	B	6 A (CWC)	7.27Y	121.2	0.00	3.84	0.03	0	0	0	100	0.00	0.0	2.344	0.005	0	0	0	1
PD.2544	PL.16918	B	40T	7.27Y	121.2	0.00	3.84	0.03	0	0	0	100	0.00	0.0	2.344	0.005	0	0	0	1
PL.16919	PD.2544	B	6 A (CWC)	7.27Y	121.2	0.00	3.84	0.03	0	0	0	100	0.00	0.0	2.351	0.006	0	0	1	1
PL.16992	PL.16269	B	6 A (CWC)	7.27Y	121.2	0.00	3.85	19.62	14	139	32	97	0.00	0.0	2.344	0.005	0	0	0	15
PD.2585	PL.16992	B	30T	7.27Y	121.2	0.00	3.85	19.62	0	139	32	97	0.00	0.0	2.344	0.005	0	0	0	15
PL.16993	PD.2585	B	6 A (CWC)	7.27Y	121.1	0.02	3.87	19.62	14	139	32	97	0.02	0.0	2.371	0.026	3	1	1	15
PL.16586	PL.16993	B	6 A (CWC)	7.27Y	121.1	0.03	3.90	19.16	14	136	31	97	0.03	0.0	2.408	0.038	5	1	2	14
PL.16585	PL.16586	B	6 A (CWC)	7.26Y	120.9	0.15	4.06	18.46	13	131	30	97	0.15	0.1	2.594	0.185	0	0	0	12
PL.16644	PL.16585	B	6 A (CWC)	7.25Y	120.9	0.05	4.11	17.36	12	123	28	98	0.05	0.0	2.659	0.065	0	0	0	11
PL.16272	PL.16644	B	6 A (CWC)	7.25Y	120.8	0.09	4.20	17.36	12	123	28	98	0.09	0.1	2.777	0.117	0	0	0	11
PL.16708	PL.16272	B	6 A (CWC)	7.24Y	120.7	0.09	4.29	17.36	12	123	28	98	0.08	0.1	2.890	0.113	0	0	0	11
PL.16569	PL.16708	B	6 A (CWC)	7.24Y	120.6	0.07	4.36	17.36	12	123	28	98	0.07	0.1	2.983	0.093	2	1	1	11
PL.16570	PL.16569	B	6 A (CWC)	7.24Y	120.6	0.03	4.39	17.04	12	120	28	97	0.02	0.0	3.017	0.033	0	0	0	10
PL.16567	PL.16570	B	6 A (CWC)	7.24Y	120.6	0.00	4.39	0.87	1	6	1	99	0.00	0.0	3.166	0.150	5	1	1	2
PL.16568	PL.16567	B	6 A (CWC)	7.24Y	120.6	0.00	4.39	0.17	0	1	0	100	0.00	0.0	3.244	0.078	0	0	0	1
PL.16571	PL.16568	B	#4 ACSR	7.24Y	120.6	0.00	4.39	0.17	0	1	0	100	0.00	0.0	3.384	0.139	0	0	0	1
PL.16572	PL.16571	B	#4 ACSR	7.24Y	120.6	0.00	4.39	0.17	0	1	0	100	0.00	0.0	3.546	0.163	1	0	1	1
PL.16566	PL.16570	B	6 A (CWC)	7.24Y	120.6	0.01	4.40	16.17	12	114	26	97	0.01	0.0	3.037	0.021	5	1	1	8
PL.16900	PL.16566	B	6 A (CWC)	7.23Y	120.6	0.02	4.42	15.43	11	109	25	97	0.01	0.0	3.062	0.024	0	0	0	7
PD.2534	PL.16900	B	25T	7.23Y	120.6	0.00	4.42	15.43	0	109	25	97	0.00	0.0	3.062	0.024	0	0	0	7
PL.16901	PD.2534	B	6 A (CWC)	7.23Y	120.5	0.04	4.46	15.43	11	109	25	97	0.03	0.0	3.120	0.058	8	2	1	7

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Balanced Voltage Drop Report
Source: Beattyville

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.16565	PL.16901	B	6 A (CWC)	7.23Y	120.4	0.13	4.58	14.33	10	101	23	98	0.10	0.1	3.315	0.195	0	0	0	6
PL.16709	PL.16565	B	6 A (CWC)	7.22Y	120.4	0.06	4.65	14.33	10	101	23	98	0.05	0.0	3.416	0.101	1	0	1	6
PL.16898	PL.16709	B	6 A (CWC)	7.22Y	120.4	0.00	4.65	1.11	1	8	2	97	0.00	0.0	3.421	0.005	0	0	0	2
PD.2533	PL.16898	B	15T	7.22Y	120.4	0.00	4.65	1.11	0	8	2	97	0.00	0.0	3.421	0.005	0	0	0	2
PL.16899	PD.2533	B	6 A (CWC)	7.22Y	120.3	0.00	4.65	1.11	1	8	2	97	0.00	0.0	3.517	0.096	0	0	0	2
PL.16275	PL.16899	B	6 A (CWC)	7.22Y	120.3	0.00	4.65	0.00	0	0	0	100	0.00	0.0	3.607	0.090	0	0	0	1
PL.16710	PL.16275	B	6 A (CWC)	7.22Y	120.3	0.00	4.65	0.00	0	0	0	100	0.00	0.0	3.748	0.141	0	0	1	1
PL.16276	PL.16899	B	#2 ACSR	7.22Y	120.3	0.00	4.65	1.11	1	8	2	97	0.00	0.0	3.540	0.023	8	2	1	1
PL.16841	PL.16709	B	#4 ACSR	7.22Y	120.3	0.07	4.72	13.04	10	92	21	97	0.05	0.1	3.545	0.129	0	0	1	3
PL.16842	PL.16841	B	#4 ACSR	7.21Y	120.2	0.03	4.75	13.02	10	92	21	97	0.02	0.0	3.600	0.055	0	0	0	2
PL.16701	PL.16842	B	#2 ACSR	7.21Y	120.2	0.03	4.78	13.02	7	92	21	97	0.02	0.0	3.674	0.074	0	0	0	2
PL.16563	PL.16701	B	#1/0 ACSR	7.21Y	120.2	0.01	4.79	13.02	6	92	21	97	0.00	0.0	3.731	0.057	83	19	1	2
PL.16564	PL.16563	B	#1/0 ACSR	7.21Y	120.2	0.00	4.79	1.20	1	8	2	97	0.00	0.0	3.813	0.082	8	2	1	1
PL.16273	PL.16708	B	6 A (CWC)	7.24Y	120.7	0.00	4.29	0.00	0	0	0	100	0.00	0.0	2.928	0.038	0	0	0	0
PL.16274	PL.16708	B	6 A (CWC)	7.24Y	120.7	0.00	4.29	0.00	0	0	0	100	0.00	0.0	2.986	0.096	0	0	0	0
PL.16271	PL.16585	B	#4 ACSR	7.26Y	120.9	0.00	4.06	1.10	1	8	2	97	0.00	0.0	2.644	0.050	8	2	1	1
PL.16268	PL.16783	A	#1/0 ACSR	7.27Y	121.2	0.00	3.83	1.17	1	8	2	97	0.00	0.0	2.242	0.005	0	0	0	2
PD.2584	PL.16268	A	65T	7.27Y	121.2	0.00	3.83	1.17	0	8	2	97	0.00	0.0	2.242	0.005	0	0	0	2
PL.16696	PD.2584	A	#1/0 ACSR	7.27Y	121.2	0.00	3.83	1.17	1	8	2	97	0.00	0.0	2.258	0.016	8	2	2	2
PL.17018	PL.16783	ABC	#1/0 ACSR	7.27Y	121.2	0.00	3.83	1.81	1	35	17	90	0.00	0.0	2.267	0.030	0	0	0	1
PD.2600	PL.17018	ABC	65T	7.27Y	121.2	0.00	3.83	1.81	0	35	17	90	0.00	0.0	2.267	0.030	0	0	0	1
PL.17019	PD.2600	ABC	#1/0 ACSR	7.27Y	121.2	0.00	3.83	1.81	1	35	17	90	0.00	0.0	2.320	0.053	0	0	0	1
PL.16266	PL.17019	ABC	#1/0 ACSR	7.27Y	121.2	0.00	3.83	1.81	1	35	17	90	0.00	0.0	2.371	0.052	35	17	1	1
PL.17034	PL.16785	ABC	#4 ACSR	7.29Y	121.4	0.00	3.58	0.48	0	10	2	98	0.00	0.0	2.089	0.005	0	0	0	2
PD.2609	PL.17034	ABC	65T	7.29Y	121.4	0.00	3.58	0.48	0	10	2	98	0.00	0.0	2.089	0.005	0	0	0	2
PL.17035	PD.2609	ABC	#4 ACSR	7.29Y	121.4	0.00	3.58	0.48	0	10	2	98	0.00	0.0	2.179	0.090	10	2	2	2
PL.16930	PL.16850	C	6 A (CWC)	7.32Y	122.0	0.00	2.98	0.39	0	3	1	95	0.00	0.0	1.737	0.005	0	0	0	2
PD.2550	PL.16930	C	50T	7.32Y	122.0	0.00	2.98	0.39	0	3	1	95	0.00	0.0	1.737	0.005	0	0	0	2
PL.16931	PD.2550	C	6 A (CWC)	7.32Y	122.0	0.00	2.98	0.39	0	3	1	95	0.00	0.0	1.811	0.075	1	0	1	2
PL.16596	PL.16931	C	6 A (CWC)	7.32Y	122.0	0.00	2.98	0.23	0	2	0	100	0.00	0.0	1.860	0.049	2	0	1	1
PL.16253	PL.16791	ABC	#1/0 ACSR	7.34Y	122.4	0.01	2.59	10.03	4	214	56	97	0.02	0.0	1.567	0.068	28	14	1	32

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Balanced Voltage Drop Report
Source: Beattyville

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.16254	PL.16253	B	6 A (CWC)	7.34Y	122.3	0.06	2.65	25.91	19	185	43	97	0.09	0.0	1.620	0.053	0	0	0	31
PL.17048	PL.16254	B	6 A (CWC)	7.34Y	122.3	0.00	2.66	25.91	19	185	42	98	0.00	0.0	1.623	0.003	0	0	0	31
PD.2618	PL.17048	B	50L	7.34Y	122.3	0.00	2.66	25.91	52	185	42	98	0.00	0.0	1.623	0.003	0	0	0	31
PL.17049	PD.2618	B	6 A (CWC)	7.34Y	122.3	0.03	2.68	25.91	19	185	42	98	0.04	0.0	1.648	0.025	10	2	1	31
PL.16861	PL.17049	B	6 A (CWC)	7.33Y	122.2	0.08	2.77	24.46	17	175	40	97	0.11	0.1	1.725	0.077	13	3	5	30
PL.16851	PL.16861	B	6 A (CWC)	7.33Y	122.2	0.06	2.83	22.70	16	162	37	97	0.07	0.0	1.783	0.058	5	1	1	25
PL.16852	PL.16851	B	6 A (CWC)	7.32Y	122.1	0.10	2.93	22.05	16	158	36	98	0.12	0.1	1.889	0.106	5	1	1	24
PL.16797	PL.16852	B	6 A (CWC)	7.32Y	122.0	0.06	2.99	14.50	10	103	24	97	0.04	0.0	1.980	0.091	6	1	1	15
PL.16798	PL.16797	B	6 A (CWC)	7.32Y	122.0	0.00	2.99	1.09	1	8	2	97	0.00	0.0	2.028	0.048	8	2	1	1
PL.16845	PL.16797	B	6 A (CWC)	7.32Y	121.9	0.09	3.08	11.48	8	82	19	97	0.06	0.1	2.165	0.186	6	1	1	12
PL.16846	PL.16845	B	6 A (CWC)	7.31Y	121.9	0.02	3.10	10.68	8	76	17	98	0.01	0.0	2.215	0.049	0	0	0	11
PL.16843	PL.16846	B	6 A (CWC)	7.31Y	121.9	0.03	3.13	10.68	8	76	17	98	0.02	0.0	2.280	0.065	8	2	1	11
PL.16844	PL.16843	B	6 A (CWC)	7.31Y	121.8	0.03	3.16	9.49	7	68	15	98	0.02	0.0	2.356	0.076	3	1	1	10
PL.16599	PL.16844	B	6 A (CWC)	7.31Y	121.8	0.04	3.21	9.04	6	64	15	97	0.02	0.0	2.476	0.121	15	3	2	9
PL.16600	PL.16599	B	6 A (CWC)	7.31Y	121.8	0.01	3.22	6.95	5	49	11	98	0.01	0.0	2.523	0.047	5	1	1	7
PL.16928	PL.16600	B	6 A (CWC)	7.31Y	121.8	0.00	3.22	6.25	4	44	10	98	0.00	0.0	2.528	0.005	0	0	0	6
PD.2549	PL.16928	B	20T	7.31Y	121.8	0.00	3.22	6.25	0	44	10	98	0.00	0.0	2.528	0.005	0	0	0	6
PL.16929	PD.2549	B	6 A (CWC)	7.30Y	121.7	0.05	3.27	6.25	4	44	10	98	0.02	0.0	2.693	0.165	0	0	0	6
PL.16705	PL.16929	B	6 A (CWC)	7.30Y	121.7	0.05	3.32	6.25	4	44	10	98	0.02	0.0	2.872	0.179	6	1	1	6
PL.16256	PL.16705	B	#4 ACSR	7.30Y	121.7	0.00	3.32	5.46	4	39	9	97	0.00	0.0	2.888	0.016	0	0	0	5
PL.16257	PL.16256	B	#4 ACSR	7.30Y	121.7	0.00	3.32	3.29	3	23	5	98	0.00	0.0	2.942	0.054	23	5	3	3
PL.16847	PL.16256	B	#1/0 ACSR	7.30Y	121.7	0.00	3.32	2.17	1	15	4	97	0.00	0.0	2.921	0.033	7	2	1	2
PL.16848	PL.16847	B	#1/0 ACSR	7.30Y	121.7	0.00	3.32	1.22	1	9	2	98	0.00	0.0	2.967	0.046	9	2	1	1
PL.16261	PL.16797	B	6 A (CWC)	7.32Y	122.0	0.00	2.99	1.04	1	7	2	96	0.00	0.0	2.007	0.028	7	2	1	1
PL.16255	PL.16852	B	6 A (CWC)	7.32Y	122.0	0.03	2.96	6.92	5	49	11	98	0.01	0.0	1.997	0.108	7	2	1	8
PL.16259	PL.16255	B	#2 ACSR	7.32Y	122.0	0.00	2.96	0.45	0	3	1	95	0.00	0.0	2.024	0.027	3	1	1	1
PL.16258	PL.16255	B	#4 ACSR	7.32Y	122.0	0.02	2.98	5.54	4	40	9	98	0.01	0.0	2.068	0.072	0	0	0	6
PL.16853	PL.16258	B	#4 ACSR	7.32Y	122.0	0.01	2.99	4.78	4	34	8	97	0.00	0.0	2.108	0.040	0	0	1	5
PL.16854	PL.16853	B	#4 ACSR	7.32Y	122.0	0.02	3.00	4.78	4	34	8	97	0.00	0.0	2.194	0.086	0	0	1	4
PL.16855	PL.16854	B	#4 ACSR	7.32Y	122.0	0.02	3.02	4.73	4	34	8	97	0.01	0.0	2.301	0.107	4	1	1	3
PL.16856	PL.16855	B	#4 ACSR	7.32Y	122.0	0.01	3.03	4.11	3	29	7	97	0.00	0.0	2.385	0.084	22	5	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: Beattyville

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.16934	PL.16856	B	1/0 AL URD	7.32Y	122.0	0.00	3.03	1.04	1	7	2	96	0.00	0.0	2.390	0.005	0	0	0	1
PD.2553	PL.16934	B	20T	7.32Y	122.0	0.00	3.03	1.04	0	7	2	96	0.00	0.0	2.390	0.005	0	0	0	1
PL.16935	PD.2553	B	1/0 AL URD	7.32Y	122.0	0.00	3.04	1.04	1	7	2	96	0.00	0.0	2.443	0.053	7	2	1	1
PL.16260	PL.16258	B	#4 ACSR	7.32Y	122.0	0.00	2.98	0.76	1	5	1	98	0.00	0.0	2.120	0.051	5	1	1	1
PL.16990	PL.16793	C	6 A (CWC)	7.37Y	122.8	0.00	2.22	1.28	1	9	2	98	0.00	0.0	1.309	0.005	0	0	0	2
PD.2582	PL.16990	C	65T	7.37Y	122.8	0.00	2.22	1.28	0	9	2	98	0.00	0.0	1.309	0.005	0	0	0	2
PL.16991	PD.2582	C	6 A (CWC)	7.37Y	122.8	0.00	2.22	1.28	1	9	2	98	0.00	0.0	1.389	0.080	9	2	2	2
PL.16988	PL.16793	A	6 A (CWC)	7.37Y	122.8	0.00	2.22	1.11	1	8	2	97	0.00	0.0	1.309	0.005	0	0	0	2
PD.2581	PL.16988	A	65T	7.37Y	122.8	0.00	2.22	1.11	0	8	2	97	0.00	0.0	1.309	0.005	0	0	0	2
PL.16989	PD.2581	A	6 A (CWC)	7.37Y	122.8	0.00	2.22	1.11	1	8	2	97	0.00	0.0	1.368	0.059	8	2	2	2
PL.16246	PL.16799	A	6 A (CWC)	7.39Y	123.2	0.00	1.77	4.16	3	30	7	97	0.00	0.0	1.071	0.005	0	0	0	6
PD.2552	PL.16246	A	65T	7.39Y	123.2	0.00	1.77	4.16	0	30	7	97	0.00	0.0	1.071	0.005	0	0	0	6
PL.16640	PD.2552	A	6 A (CWC)	7.39Y	123.2	0.01	1.78	2.66	2	19	4	98	0.00	0.0	1.184	0.113	0	0	0	3
PL.16248	PL.16640	A	#4 ACSR	7.39Y	123.2	0.00	1.78	1.44	1	10	2	98	0.00	0.0	1.217	0.033	3	1	1	2
PL.16250	PL.16248	A	#1/0 ACSR	7.39Y	123.2	0.00	1.78	1.06	0	8	2	97	0.00	0.0	1.243	0.026	8	2	1	1
PL.16249	PL.16640	A	#4 ACSR	7.39Y	123.2	0.00	1.78	1.22	1	9	2	98	0.00	0.0	1.235	0.051	9	2	1	1
PL.16801	PD.2552	A	6 A (CWC)	7.39Y	123.2	0.00	1.77	1.50	1	11	2	98	0.00	0.0	1.077	0.006	0	0	0	3
PL.16802	PL.16801	A	6 A (CWC)	7.39Y	123.2	0.00	1.77	1.50	1	11	2	98	0.00	0.0	1.078	0.000	0	0	0	3
PL.16247	PL.16802	A	6 A (CWC)	7.39Y	123.2	0.00	1.77	1.50	1	11	2	98	0.00	0.0	1.163	0.086	11	2	3	3
PL.17032	PL.16803	ABC	6 A (CWC)	7.44Y	123.9	0.00	1.07	6.66	5	135	62	91	0.00	0.0	0.728	0.005	0	0	0	4
PD.2608	PL.17032	ABC	65T	7.44Y	123.9	0.00	1.07	6.66	0	135	62	91	0.00	0.0	0.728	0.005	0	0	0	4
PL.17033	PD.2608	ABC	6 A (CWC)	7.43Y	123.9	0.01	1.08	6.66	5	135	62	91	0.01	0.0	0.764	0.035	0	0	1	4
PL.16243	PL.17033	ABC	6 A (CWC)	7.43Y	123.9	0.00	1.09	6.15	4	123	60	90	0.00	0.0	0.797	0.034	123	60	1	1
PL.16244	PL.17033	A	#2 ACSR	7.43Y	123.9	0.00	1.08	1.57	1	11	3	96	0.00	0.0	0.774	0.011	4	1	1	2
PL.16245	PL.16244	A	#2 ACSR	7.43Y	123.9	0.00	1.08	0.98	1	7	2	96	0.00	0.0	0.837	0.063	7	2	1	1
PL.17014	PL.17037	ABC	4/0 AL URD	7.48Y	124.6	0.00	0.39	4.39	2	89	43	90	0.00	0.0	0.280	0.005	0	0	0	1
PD.2598	PL.17014	ABC	65T	7.48Y	124.6	0.00	0.39	4.39	0	89	43	90	0.00	0.0	0.280	0.005	0	0	0	1
PL.17015	PD.2598	ABC	4/0 AL URD	7.48Y	124.6	0.00	0.39	4.39	2	89	43	90	0.00	0.0	0.287	0.008	89	43	1	1
PL.21267	Beattyville	ABC	336 MCM AC	7.50Y	125.0	0.01	0.01	171.80	33	3696	1134	96	0.11	0.0	0.004	0.004	0	0	0	917
PL.72942	PL.21267	ABC	336 MCM AC	7.50Y	125.0	0.00	0.01	171.80	33	3696	1133	96	0.07	0.0	0.007	0.003	0	0	0	917

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Balanced Voltage Drop Report
Source: Beattyville

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
---------- Feeder No. 2 (St. Helens F2) Beginning with Device PD.10790 ----------																				
PD.10790	PL.72942	ABC	480VWE	7.50Y	125.0	0.00	0.01	171.80	0	3695	1133	96	0.00	0.0	0.007	0.003	0	0	0	917
PL.72943	PD.10790	ABC	336 MCM AC	7.50Y	125.0	0.01	0.02	171.80	33	3695	1133	96	0.17	0.0	0.014	0.007	0	0	0	917
PL.21268	PL.72943	ABC	336 MCM AC	7.49Y	124.9	0.10	0.12	171.80	33	3695	1133	96	1.89	0.1	0.090	0.076	0	0	0	917
PL.18992	PL.21268	ABC	336 MCM AC	7.49Y	124.8	0.12	0.24	171.80	33	3693	1128	96	2.32	0.1	0.184	0.093	0	0	0	917
PL.19652	PL.18992	ABC	336 MCM AC	7.48Y	124.6	0.14	0.38	171.80	33	3691	1123	96	2.67	0.1	0.291	0.107	0	0	0	917
PL.18993	PL.19652	ABC	336 MCM AC	7.47Y	124.4	0.19	0.57	171.80	33	3688	1117	96	3.53	0.1	0.433	0.142	0	0	0	917
PL.19353	PL.18993	ABC	336 MCM AC	7.46Y	124.3	0.09	0.66	171.80	33	3685	1108	96	1.67	0.0	0.500	0.067	3	1	2	917
PL.20141	PL.19353	ABC	336 MCM AC	7.45Y	124.2	0.10	0.76	171.52	33	3677	1103	96	1.89	0.1	0.577	0.076	7	2	2	914
PL.20142	PL.20141	ABC	336 MCM AC	7.45Y	124.1	0.10	0.86	171.18	33	3668	1097	96	1.98	0.1	0.657	0.080	0	0	0	912
PL.20365	PL.20142	B	#4 ACSR	7.45Y	124.1	0.00	0.86	0.14	0	1	0	100	0.00	0.0	0.661	0.005	0	0	0	2
PD.2890	PL.20365	B	65T	7.45Y	124.1	0.00	0.86	0.14	0	1	0	100	0.00	0.0	0.661	0.005	0	0	0	2
PL.20366	PD.2890	B	#4 ACSR	7.45Y	124.1	0.00	0.86	0.14	0	1	0	100	0.00	0.0	0.742	0.081	0	0	1	2
PL.19024	PL.20366	B	#4 ACSR	7.45Y	124.1	0.00	0.86	0.13	0	1	0	100	0.00	0.0	0.835	0.093	1	0	1	1
PL.20143	PL.20142	ABC	336 MCM AC	7.44Y	124.0	0.10	0.96	171.13	33	3665	1092	96	1.87	0.1	0.733	0.076	2	1	1	910
PL.20144	PL.20143	ABC	336 MCM AC	7.44Y	124.0	0.05	1.01	171.02	33	3660	1087	96	0.90	0.0	0.769	0.036	0	0	0	909
PL.18994	PL.20144	ABC	336 MCM AC	7.43Y	123.8	0.16	1.16	171.02	33	3659	1085	96	2.95	0.1	0.889	0.120	0	0	0	909
PL.18996	PL.18994	ABC	336 MCM AC	7.42Y	123.7	0.15	1.32	171.02	33	3657	1078	96	2.91	0.1	1.007	0.118	0	0	0	908
PL.19653	PL.18996	ABC	336 MCM AC	7.41Y	123.5	0.15	1.47	171.02	33	3654	1071	96	2.88	0.1	1.124	0.117	0	0	0	908
PL.20363	PL.19653	C	#4 ACSR	7.41Y	123.5	0.00	1.47	0.00	0	0	0	100	0.00	0.0	1.128	0.004	0	0	0	0
PD.2889	PL.20363	C	65T	7.41Y	123.5	0.00	1.47	0.00	0	0	0	100	0.00	0.0	1.128	0.004	0	0	0	0
PL.20364	PD.2889	C	#4 ACSR	7.41Y	123.5	0.00	1.47	0.00	0	0	0	100	0.00	0.0	1.186	0.058	0	0	0	0
PL.18998	PL.20364	C	#1/0 ACSR	7.41Y	123.5	0.00	1.47	0.00	0	0	0	100	0.00	0.0	1.300	0.114	0	0	0	0
PL.19585	PL.19653	ABC	336 MCM AC	7.41Y	123.5	0.05	1.52	171.02	33	3651	1065	96	1.00	0.0	1.164	0.041	0	0	0	908
PL.18997	PL.19585	ABC	336 MCM AC	7.40Y	123.4	0.12	1.64	171.02	33	3650	1062	96	2.38	0.1	1.261	0.097	0	0	0	908
PL.20361	PL.18997	A	#4 ACSR	7.40Y	123.4	0.00	1.64	1.79	1	13	3	97	0.00	0.0	1.266	0.005	0	0	0	1
PD.2888	PL.20361	A	65T	7.40Y	123.4	0.00	1.64	1.79	0	13	3	97	0.00	0.0	1.266	0.005	0	0	0	1
PL.20362	PD.2888	A	#4 ACSR	7.40Y	123.4	0.00	1.65	1.79	1	13	3	97	0.00	0.0	1.386	0.120	13	3	1	1
PL.19586	PL.18997	ABC	336 MCM AC	7.39Y	123.1	0.21	1.85	170.43	33	3634	1054	96	3.99	0.1	1.424	0.163	0	0	0	907
PL.27895	PL.19586	A	#1/0 ACSR	7.39Y	123.1	0.00	1.85	0.00	0	0	0	100	0.00	0.0	1.427	0.003	0	0	0	0

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Balanced Voltage Drop Report
Source: Beattyville

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.3860	PL.27895	A	65T	7.39Y	123.1	0.00	1.85	0.00	0	0	0	100	0.00	0.0	1.427	0.003	0	0	0	0
PL.27896	PD.3860	A	#1/0 ACSR	7.39Y	123.1	0.00	1.85	0.00	0	0	0	100	0.00	0.0	1.495	0.068	0	0	0	0
PL.27897	PL.27896	A	#1/0 ACSR	7.39Y	123.1	0.00	1.85	0.00	0	0	0	100	0.00	0.0	1.561	0.066	0	0	0	0
PL.27898	PL.27897	A	#1/0 ACSR	7.39Y	123.1	0.00	1.85	0.00	0	0	0	100	0.00	0.0	1.618	0.058	0	0	0	0
PL.19654	PL.19586	ABC	336 MCM AC	7.38Y	123.0	0.13	1.98	170.43	33	3630	1045	96	2.48	0.1	1.526	0.101	0	0	0	907
PL.20359	PL.19654	A	#2 ACSR	7.38Y	123.0	0.00	1.98	0.40	0	3	1	95	0.00	0.0	1.530	0.005	0	0	0	1
PD.2887	PL.20359	A	65T	7.38Y	123.0	0.00	1.98	0.40	0	3	1	95	0.00	0.0	1.530	0.005	0	0	0	1
PL.20360	PD.2887	A	#2 ACSR	7.38Y	123.0	0.00	1.98	0.40	0	3	1	95	0.00	0.0	1.592	0.062	3	1	1	1
PL.18999	PL.19654	ABC	336 MCM AC	7.37Y	122.9	0.12	2.10	170.29	33	3625	1038	96	2.22	0.1	1.616	0.091	0	0	0	906
PL.19655	PL.18999	ABC	336 MCM AC	7.37Y	122.8	0.14	2.24	170.29	33	3623	1033	96	2.77	0.1	1.730	0.114	0	0	0	906
PL.19587	PL.19655	ABC	336 MCM AC	7.36Y	122.6	0.13	2.38	169.93	33	3612	1025	96	2.58	0.1	1.836	0.106	13	3	2	904
PL.19002	PL.19587	C	6 A (CWC)	7.36Y	122.6	0.03	2.41	24.36	17	175	40	97	0.04	0.0	1.866	0.030	0	0	0	58
PL.20496	PL.19002	C	6 A (CWC)	7.35Y	122.5	0.07	2.48	24.36	17	175	40	97	0.09	0.1	1.929	0.063	0	0	0	58
PD.2963	PL.20496	C	50L	7.35Y	122.5	0.00	2.48	24.36	49	174	40	97	0.00	0.0	1.929	0.063	0	0	0	58
PL.20497	PD.2963	C	6 A (CWC)	7.34Y	122.3	0.19	2.67	24.36	17	174	40	97	0.25	0.1	2.099	0.171	0	0	0	58
PL.19005	PL.20497	C	#4 ACSR	7.34Y	122.3	0.02	2.69	22.91	18	164	38	97	0.03	0.0	2.122	0.022	0	0	0	54
PL.19588	PL.19005	C	#4 ACSR	7.34Y	122.3	0.02	2.71	2.63	2	19	4	98	0.00	0.0	2.287	0.166	0	0	0	7
PL.19018	PL.19588	C	6 A (CWC)	7.34Y	122.3	0.01	2.72	2.63	2	19	4	98	0.00	0.0	2.365	0.078	0	0	0	7
PL.19010	PL.19018	C	6 A (CWC)	7.34Y	122.3	0.00	2.72	2.63	2	19	4	98	0.00	0.0	2.382	0.016	0	0	0	7
PL.19011	PL.19010	C	6 A (CWC)	7.34Y	122.3	0.02	2.74	2.63	2	19	4	98	0.00	0.0	2.509	0.128	0	0	0	7
PL.19012	PL.19011	C	#4 ACSR	7.34Y	122.3	0.01	2.74	1.72	1	12	3	97	0.00	0.0	2.603	0.094	0	0	0	4
PL.19924	PL.19012	C	#4 ACSR	7.33Y	122.2	0.01	2.75	1.72	1	12	3	97	0.00	0.0	2.696	0.093	0	0	1	4
PL.19013	PL.19924	C	#4 ACSR	7.33Y	122.2	0.00	2.75	1.36	1	10	2	98	0.00	0.0	2.760	0.064	5	1	1	2
PL.19014	PL.19013	C	#4 ACSR	7.33Y	122.2	0.00	2.75	0.67	1	5	1	98	0.00	0.0	2.799	0.039	5	1	1	1
PL.19925	PL.19924	C	#4 ACSR	7.33Y	122.2	0.00	2.75	0.36	0	3	1	95	0.00	0.0	2.862	0.166	3	1	1	1
PL.19015	PL.19011	C	6 A (CWC)	7.34Y	122.3	0.00	2.74	0.91	1	7	1	99	0.00	0.0	2.537	0.028	0	0	1	3
PL.19016	PL.19015	C	#4 ACSR	7.34Y	122.3	0.00	2.74	0.91	1	7	1	99	0.00	0.0	2.646	0.109	5	1	1	2
PL.19017	PL.19016	C	#4 ACSR	7.34Y	122.3	0.00	2.74	0.21	0	1	0	100	0.00	0.0	2.707	0.061	1	0	1	1
PL.19006	PL.19005	C	6 A (CWC)	7.33Y	122.2	0.11	2.80	20.27	14	145	33	98	0.12	0.1	2.243	0.121	0	0	0	47
PL.19481	PL.19006	C	6 A (CWC)	7.33Y	122.1	0.07	2.87	20.27	14	145	33	98	0.07	0.1	2.318	0.076	2	0	1	47
PL.19007	PL.19481	C	6 A (CWC)	7.33Y	122.1	0.00	2.87	0.40	0	3	1	95	0.00	0.0	2.475	0.157	3	1	1	1

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

Balanced Voltage Drop Report
Source: Beattyville

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.19008	PL.19481	C	6 A (CWC)	7.32Y	122.0	0.10	2.97	19.62	14	140	32	97	0.10	0.1	2.427	0.109	0	0	0	45
PL.19009	PL.19008	C	#1/0 ACSR	7.32Y	122.0	0.00	2.97	0.39	0	3	1	95	0.00	0.0	2.534	0.107	3	1	1	1
PL.19589	PL.19008	C	6 A (CWC)	7.32Y	122.0	0.06	3.03	19.24	14	137	31	98	0.07	0.0	2.501	0.073	0	0	0	44
PL.19482	PL.19589	C	6 A (CWC)	7.31Y	121.8	0.16	3.19	19.24	14	137	31	98	0.17	0.1	2.687	0.186	0	0	0	44
PL.19656	PL.19482	C	6 A (CWC)	7.30Y	121.7	0.14	3.33	19.24	14	137	31	98	0.14	0.1	2.847	0.160	0	0	0	44
PL.19496	PL.19656	C	6 A (CWC)	7.30Y	121.7	0.00	3.33	0.43	0	3	1	95	0.00	0.0	2.893	0.045	3	1	2	2
PL.19494	PL.19656	C	6 A (CWC)	7.29Y	121.6	0.09	3.42	14.20	10	101	23	98	0.07	0.1	2.990	0.142	3	1	4	35
PL.19590	PL.19494	C	6 A (CWC)	7.29Y	121.6	0.00	3.42	13.82	10	98	22	98	0.00	0.0	2.994	0.005	0	0	0	30
PD.2920	PL.19590	C	25T	7.29Y	121.6	0.00	3.42	13.82	0	98	22	98	0.00	0.0	2.994	0.005	0	0	0	30
PL.19916	PD.2920	C	6 A (CWC)	7.29Y	121.6	0.00	3.43	11.54	8	82	19	97	0.00	0.0	3.002	0.008	0	0	0	22
PL.19917	PL.19916	C	6 A (CWC)	7.29Y	121.6	0.00	3.43	11.54	8	82	19	97	0.00	0.0	3.002	0.000	0	0	0	22
PL.19493	PL.19917	C	6 A (CWC)	7.29Y	121.6	0.02	3.45	6.33	5	45	10	98	0.01	0.0	3.083	0.081	9	2	1	8
PL.19503	PL.19493	C	#4 ACSR	7.29Y	121.6	0.00	3.45	0.00	0	0	0	100	0.00	0.0	3.117	0.034	0	0	0	0
PL.19502	PL.19493	C	6 A (CWC)	7.29Y	121.5	0.01	3.46	5.03	4	36	8	98	0.00	0.0	3.132	0.049	0	0	1	7
PL.19504	PL.19502	C	6 A (CWC)	7.29Y	121.5	0.00	3.46	1.43	1	10	2	98	0.00	0.0	3.173	0.041	10	2	2	2
PL.19506	PL.19502	C	6 A (CWC)	7.29Y	121.5	0.02	3.48	3.29	2	23	5	98	0.00	0.0	3.258	0.126	2	1	1	3
PL.19507	PL.19506	C	#1/0 ACSR	7.29Y	121.5	0.00	3.48	2.97	1	21	5	97	0.00	0.0	3.275	0.018	21	5	2	2
PL.19505	PL.19502	C	#4 ACSR	7.29Y	121.5	0.00	3.46	0.31	0	2	0	100	0.00	0.0	3.178	0.046	2	0	1	1
PL.19495	PL.19917	C	6 A (CWC)	7.29Y	121.5	0.03	3.46	5.20	4	37	8	98	0.01	0.0	3.148	0.145	0	0	0	14
PL.19501	PL.19495	C	6 A (CWC)	7.29Y	121.5	0.03	3.49	5.20	4	37	8	98	0.01	0.0	3.263	0.116	0	0	0	14
PL.19509	PL.19501	C	6 A (CWC)	7.29Y	121.5	0.01	3.49	1.65	1	12	3	97	0.00	0.0	3.354	0.091	5	1	1	7
PL.20265	PL.19509	C	6 A (CWC)	7.29Y	121.5	0.00	3.50	0.94	1	7	2	96	0.00	0.0	3.440	0.086	5	1	1	6
PL.20267	PL.20265	C	6 A (CWC)	7.29Y	121.5	0.00	3.50	0.24	0	2	0	100	0.00	0.0	3.593	0.153	1	0	1	5
PL.20266	PL.20267	C	6 A (CWC)	7.29Y	121.5	0.00	3.50	0.15	0	1	0	100	0.00	0.0	3.727	0.134	1	0	1	4
PL.20418	PL.20266	C	6 A (CWC)	7.29Y	121.5	0.00	3.50	0.03	0	0	0	100	0.00	0.0	3.732	0.005	0	0	0	3
PD.2919	PL.20418	C	20T	7.29Y	121.5	0.00	3.50	0.03	0	0	0	100	0.00	0.0	3.732	0.005	0	0	0	3
PL.20419	PD.2919	C	6 A (CWC)	7.29Y	121.5	0.00	3.50	0.03	0	0	0	100	0.00	0.0	3.836	0.105	0	0	0	3
PL.19508	PL.20419	C	6 A (CWC)	7.29Y	121.5	0.00	3.50	0.03	0	0	0	100	0.00	0.0	3.934	0.097	0	0	0	3
PL.19657	PL.19508	C	6 A (CWC)	7.29Y	121.5	0.00	3.50	0.03	0	0	0	100	0.00	0.0	4.104	0.170	0	0	0	3
PL.19658	PL.19657	C	6 A (CWC)	7.29Y	121.5	0.00	3.50	0.03	0	0	0	100	0.00	0.0	4.204	0.100	0	0	0	3
PL.19659	PL.19658	C	6 A (CWC)	7.29Y	121.5	0.00	3.50	0.03	0	0	0	100	0.00	0.0	4.378	0.174	0	0	0	3

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Balanced Voltage Drop Report
Source: Beattyville

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.19660	PL.19659	C	6 A (CWC)	7.29Y	121.5	0.00	3.50	0.03	0	0	0	100	0.00	0.0	4.448	0.070	0	0	0	3
PL.19524	PL.19660	C	6 A (CWC)	7.29Y	121.5	0.00	3.50	0.03	0	0	0	100	0.00	0.0	4.513	0.065	0	0	3	3
PL.19510	PL.19501	C	6 A (CWC)	7.29Y	121.5	0.02	3.51	3.55	3	25	6	97	0.00	0.0	3.422	0.158	1	0	1	7
PL.19511	PL.19510	C	#2 ACSR	7.29Y	121.5	0.02	3.53	3.35	2	24	5	98	0.00	0.0	3.582	0.161	0	0	0	6
PL.19661	PL.19511	C	#2 ACSR	7.29Y	121.5	0.01	3.54	3.35	2	24	5	98	0.00	0.0	3.714	0.132	0	0	0	6
PL.20263	PL.19661	C	#2 ACSR	7.29Y	121.5	0.00	3.55	1.82	1	13	3	97	0.00	0.0	3.757	0.042	6	1	1	4
PL.20264	PL.20263	C	#2 ACSR	7.29Y	121.5	0.00	3.55	0.92	1	7	1	99	0.00	0.0	3.861	0.104	0	0	0	3
PL.19513	PL.20264	C	#4 ACSR	7.29Y	121.4	0.00	3.55	0.92	1	7	1	99	0.00	0.0	3.949	0.088	0	0	0	3
PL.19514	PL.19513	C	#4 ACSR	7.29Y	121.4	0.01	3.56	0.92	1	7	1	99	0.00	0.0	4.078	0.130	0	0	0	3
PL.19662	PL.19514	C	#4 ACSR	7.29Y	121.4	0.00	3.56	0.92	1	7	1	99	0.00	0.0	4.193	0.115	0	0	0	3
PL.19663	PL.19662	C	#4 ACSR	7.29Y	121.4	0.00	3.57	0.92	1	7	1	99	0.00	0.0	4.268	0.075	0	0	0	3
PL.19515	PL.19663	C	#4 ACSR	7.29Y	121.4	0.00	3.57	0.92	1	7	1	99	0.00	0.0	4.350	0.082	0	0	0	3
PL.19517	PL.19515	C	#4 ACSR	7.29Y	121.4	0.00	3.57	0.92	1	7	1	99	0.00	0.0	4.460	0.110	0	0	0	3
PL.20261	PL.19517	C	#4 ACSR	7.29Y	121.4	0.00	3.58	0.92	1	7	1	99	0.00	0.0	4.539	0.079	3	1	1	3
PL.20262	PL.20261	C	#4 ACSR	7.29Y	121.4	0.00	3.58	0.44	0	3	1	95	0.00	0.0	4.678	0.139	0	0	0	2
PL.19667	PL.20262	C	#4 ACSR	7.29Y	121.4	0.00	3.58	0.44	0	3	1	95	0.00	0.0	4.769	0.091	0	0	0	2
PL.19520	PL.19667	C	#4 ACSR	7.29Y	121.4	0.00	3.58	0.37	0	3	1	95	0.00	0.0	4.883	0.114	0	0	0	1
PL.19668	PL.19520	C	#4 ACSR	7.29Y	121.4	0.00	3.58	0.37	0	3	1	95	0.00	0.0	4.990	0.107	0	0	0	1
PL.19521	PL.19668	C	#4 ACSR	7.28Y	121.4	0.00	3.58	0.37	0	3	1	95	0.00	0.0	5.097	0.107	0	0	0	1
PL.19669	PL.19521	C	#4 ACSR	7.28Y	121.4	0.00	3.59	0.37	0	3	1	95	0.00	0.0	5.205	0.108	0	0	0	1
PL.20257	PL.19669	C	#4 ACSR	7.28Y	121.4	0.00	3.59	0.37	0	3	1	95	0.00	0.0	5.308	0.104	3	1	1	1
PL.20258	PL.20257	C	#4 ACSR	7.28Y	121.4	0.00	3.59	0.00	0	0	0	100	0.00	0.0	5.406	0.098	0	0	0	0
PL.19522	PL.19669	C	#4 ACSR	7.28Y	121.4	0.00	3.59	0.00	0	0	0	100	0.00	0.0	5.312	0.107	0	0	0	0
PL.19670	PL.19522	C	#4 ACSR	7.28Y	121.4	0.00	3.59	0.00	0	0	0	100	0.00	0.0	5.436	0.124	0	0	0	0
PL.20259	PL.19670	C	#2 ACSR	7.28Y	121.4	0.00	3.59	0.00	0	0	0	100	0.00	0.0	5.479	0.044	0	0	0	0
PL.20260	PL.20259	C	#2 ACSR	7.28Y	121.4	0.00	3.59	0.00	0	0	0	100	0.00	0.0	5.583	0.104	0	0	0	0
PL.19523	PL.20260	C	#2 ACSR	7.28Y	121.4	0.00	3.59	0.00	0	0	0	100	0.00	0.0	5.655	0.072	0	0	0	0
PL.19519	PL.19667	C	#4 ACSR	7.29Y	121.4	0.00	3.58	0.07	0	1	0	100	0.00	0.0	4.838	0.069	0	0	0	1
PL.19518	PL.19519	C	#4 ACSR	7.29Y	121.4	0.00	3.58	0.07	0	1	0	100	0.00	0.0	4.892	0.055	1	0	1	1
PL.19512	PL.19661	C	#2 ACSR	7.29Y	121.5	0.00	3.54	1.53	1	11	2	98	0.00	0.0	3.740	0.026	11	2	2	2
PL.19491	PD.2920	C	6 A (CWC)	7.29Y	121.6	0.00	3.43	2.28	2	16	4	97	0.00	0.0	3.035	0.041	2	0	1	8

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Balanced Voltage Drop Report
Source: Beattyville

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.19490	PL.19491	C	6 A (CWC)	7.29Y	121.6	0.00	3.43	1.98	1	14	3	98	0.00	0.0	3.096	0.061	3	1	1	7
PL.19488	PL.19490	C	6 A (CWC)	7.29Y	121.6	0.00	3.44	1.24	1	9	2	98	0.00	0.0	3.151	0.055	0	0	0	5
PL.19485	PL.19488	C	6 A (CWC)	7.29Y	121.6	0.00	3.44	0.16	0	1	0	100	0.00	0.0	3.306	0.155	1	0	1	2
PL.19483	PL.19485	C	#4 ACSR	7.29Y	121.6	0.00	3.44	0.03	0	0	0	100	0.00	0.0	3.399	0.093	0	0	1	1
PL.19487	PL.19488	C	#4 ACSR	7.29Y	121.6	0.00	3.44	0.86	1	6	1	99	0.00	0.0	3.251	0.100	6	1	2	2
PL.19486	PL.19488	C	6 A (CWC)	7.29Y	121.6	0.00	3.44	0.22	0	2	0	100	0.00	0.0	3.286	0.135	2	0	1	1
PL.19489	PL.19490	C	#4 ACSR	7.29Y	121.6	0.00	3.43	0.30	0	2	0	100	0.00	0.0	3.149	0.053	2	0	1	1
PL.19492	PL.19494	C	#4 ACSR	7.29Y	121.6	0.00	3.42	0.01	0	0	0	100	0.00	0.0	3.061	0.071	0	0	1	1
PL.19497	PL.19656	C	6 A (CWC)	7.30Y	121.6	0.03	3.36	4.60	3	33	7	98	0.01	0.0	2.999	0.152	7	2	2	7
PL.19499	PL.19497	C	#4 ACSR	7.30Y	121.6	0.00	3.36	0.43	0	3	1	95	0.00	0.0	3.045	0.046	3	1	1	1
PL.19498	PL.19497	C	#4 ACSR	7.30Y	121.6	0.00	3.36	0.87	1	6	1	99	0.00	0.0	3.050	0.051	6	1	1	1
PL.19500	PL.19497	C	#4 ACSR	7.30Y	121.6	0.01	3.37	2.32	2	17	4	97	0.00	0.0	3.094	0.095	7	2	1	3
PL.20268	PL.19500	C	#4 ACSR	7.30Y	121.6	0.00	3.37	1.40	1	10	2	98	0.00	0.0	3.149	0.055	7	2	1	2
PL.20269	PL.20268	C	#4 ACSR	7.30Y	121.6	0.00	3.37	0.38	0	3	1	95	0.00	0.0	3.213	0.064	3	1	1	1
PL.20145	PL.20497	C	#4 ACSR	7.34Y	122.3	0.00	2.67	1.45	1	10	2	98	0.00	0.0	2.136	0.036	4	1	2	4
PL.20146	PL.20145	C	1/0 AL URD	7.34Y	122.3	0.00	2.67	0.89	1	6	1	99	0.00	0.0	2.168	0.032	6	1	2	2
PL.19912	PL.19587	ABC	336 MCM AC	7.35Y	122.4	0.19	2.56	161.22	31	3422	975	96	3.37	0.1	1.991	0.154	14	3	4	844
PL.19879	PL.19912	B	6 A (CWC)	7.35Y	122.4	0.00	2.57	2.28	2	16	4	97	0.00	0.0	1.995	0.004	0	0	0	9
PD.2884	PL.19879	B	65T	7.35Y	122.4	0.00	2.57	2.28	0	16	4	97	0.00	0.0	1.995	0.004	0	0	0	9
PL.19880	PD.2884	B	6 A (CWC)	7.35Y	122.4	0.01	2.57	2.28	2	16	4	97	0.00	0.0	2.083	0.088	1	0	3	9
PL.19004	PL.19880	B	6 A (CWC)	7.35Y	122.4	0.00	2.58	2.10	1	15	3	98	0.00	0.0	2.136	0.053	2	0	2	6
PL.19019	PL.19004	B	6 A (CWC)	7.35Y	122.4	0.00	2.58	1.79	1	13	3	97	0.00	0.0	2.204	0.068	11	3	3	4
PL.19020	PL.19019	B	#4 ACSR	7.35Y	122.4	0.00	2.58	0.22	0	2	0	100	0.00	0.0	2.260	0.056	2	0	1	1
PL.19913	PL.19912	ABC	336 MCM AC	7.34Y	122.3	0.09	2.66	159.79	31	3388	961	96	1.63	0.0	2.066	0.076	4	1	1	831
PL.19881	PL.19913	A	#4 ACSR	7.34Y	122.3	0.00	2.66	0.00	0	0	0	100	0.00	0.0	2.071	0.005	0	0	0	0
PD.2885	PL.19881	A	65T	7.34Y	122.3	0.00	2.66	0.00	0	0	0	100	0.00	0.0	2.071	0.005	0	0	0	0
PL.19882	PD.2885	A	#4 ACSR	7.34Y	122.3	0.00	2.66	0.00	0	0	0	100	0.00	0.0	2.126	0.055	0	0	0	0
PL.19003	PL.19913	ABC	336 MCM AC	7.34Y	122.3	0.09	2.75	159.59	31	3382	956	96	1.69	0.1	2.145	0.079	0	0	0	830
PL.20466	PL.19003	C	6 A (CWC)	7.34Y	122.3	0.00	2.75	2.73	2	20	4	98	0.00	0.0	2.150	0.004	0	0	0	5
PD.2946	PL.20466	C	65T	7.34Y	122.3	0.00	2.75	2.73	0	20	4	98	0.00	0.0	2.150	0.004	0	0	0	5
PL.20467	PD.2946	C	6 A (CWC)	7.33Y	122.2	0.00	2.75	2.73	2	20	4	98	0.00	0.0	2.182	0.032	0	0	0	5

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

Balanced Voltage Drop Report
Source: Beattyville

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.19910	PL.20467	C	6 A (CWC)	7.33Y	122.2	0.00	2.76	2.73	2	20	4	98	0.00	0.0	2.216	0.033	9	2	2	5
PL.19021	PL.19910	C	#2 ACSR	7.33Y	122.2	0.00	2.76	0.00	0	0	0	100	0.00	0.0	2.256	0.040	0	0	0	0
PL.19022	PL.19910	C	#4 ACSR	7.33Y	122.2	0.00	2.76	0.77	1	5	1	98	0.00	0.0	2.276	0.060	5	1	1	1
PL.19911	PL.19910	C	6 A (CWC)	7.33Y	122.2	0.00	2.76	0.73	1	5	1	98	0.00	0.0	2.297	0.081	5	1	2	2
PL.19023	PL.19911	C	#2 ACSR	7.33Y	122.2	0.00	2.76	0.00	0	0	0	100	0.00	0.0	2.322	0.025	0	0	0	0
PL.19591	PL.19003	ABC	336 MCM AC	7.33Y	122.1	0.14	2.89	158.55	31	3358	947	96	2.52	0.1	2.264	0.119	0	0	0	824
PL.20436	PL.19591	A	6 A (CWC)	7.33Y	122.1	0.00	2.89	5.28	4	38	9	97	0.00	0.0	2.269	0.004	0	0	0	8
PD.2929	PL.20436	A	65T	7.33Y	122.1	0.00	2.89	5.28	0	38	9	97	0.00	0.0	2.269	0.004	0	0	0	8
PL.20437	PD.2929	A	6 A (CWC)	7.33Y	122.1	0.01	2.90	5.28	4	38	9	97	0.00	0.0	2.294	0.026	1	0	1	8
PL.20134	PL.20437	A	6 A (CWC)	7.33Y	122.1	0.01	2.90	5.16	4	37	8	98	0.00	0.0	2.331	0.037	6	1	2	7
PL.19025	PL.20134	A	6 A (CWC)	7.33Y	122.1	0.01	2.91	4.26	3	30	7	97	0.00	0.0	2.385	0.055	11	3	2	5
PL.19040	PL.19025	A	6 A (CWC)	7.33Y	122.1	0.00	2.92	2.66	2	19	4	98	0.00	0.0	2.427	0.041	14	3	2	3
PL.19041	PL.19040	A	#4 ACSR	7.32Y	122.1	0.00	2.92	0.71	1	5	1	98	0.00	0.0	2.522	0.096	5	1	1	1
PL.20438	PL.19591	C	#4 ACSR	7.33Y	122.1	0.00	2.89	0.36	0	3	1	95	0.00	0.0	2.269	0.005	0	0	0	2
PD.2930	PL.20438	C	65T	7.33Y	122.1	0.00	2.89	0.36	0	3	1	95	0.00	0.0	2.269	0.005	0	0	0	2
PL.20439	PD.2930	C	#4 ACSR	7.33Y	122.1	0.00	2.89	0.36	0	3	1	95	0.00	0.0	2.333	0.064	3	1	2	2
PL.20135	PL.19591	ABC	336 MCM AC	7.32Y	122.1	0.03	2.92	156.68	30	3315	932	96	0.62	0.0	2.294	0.030	1	0	1	814
PL.20136	PL.20135	ABC	336 MCM AC	7.32Y	122.0	0.05	2.98	156.63	30	3314	930	96	0.93	0.0	2.339	0.045	1	0	1	813
PL.20137	PL.20136	ABC	336 MCM AC	7.32Y	122.0	0.06	3.04	152.51	29	3230	888	96	1.09	0.0	2.395	0.056	3	1	1	811
PL.20133	PL.20137	ABC	336 MCM AC	7.31Y	121.9	0.07	3.11	152.36	29	3226	885	96	1.14	0.0	2.453	0.059	12	3	3	810
PL.19026	PL.20133	A	6 A (CWC)	7.31Y	121.9	0.00	3.11	0.64	0	5	1	98	0.00	0.0	2.517	0.064	1	0	1	3
PL.19027	PL.19026	A	#4 ACSR	7.31Y	121.9	0.00	3.11	0.43	0	3	1	95	0.00	0.0	2.535	0.018	3	1	2	2
PL.19357	PL.20133	ABC	336 MCM AC	7.31Y	121.8	0.05	3.16	151.57	29	3207	878	96	0.93	0.0	2.502	0.048	7	2	3	804
PL.19358	PL.19357	ABC	336 MCM AC	7.31Y	121.8	0.06	3.22	148.01	29	3130	859	96	1.06	0.0	2.559	0.058	0	0	0	784
PL.19038	PL.19358	ABC	336 MCM AC	7.30Y	121.6	0.18	3.40	148.01	29	3129	856	96	3.04	0.1	2.724	0.165	0	0	0	784
PL.19675	PL.19038	ABC	336 MCM AC	7.29Y	121.4	0.17	3.57	148.01	29	3126	849	97	2.85	0.1	2.878	0.155	1	0	1	784
PL.20129	PL.19675	ABC	336 MCM AC	7.28Y	121.4	0.03	3.61	147.45	28	3112	838	97	0.59	0.0	2.910	0.032	2	0	1	780
PL.20130	PL.20129	ABC	336 MCM AC	7.28Y	121.3	0.05	3.66	147.38	28	3110	836	97	0.90	0.0	2.959	0.049	0	0	0	779
PL.19044	PL.20130	ABC	336 MCM AC	7.28Y	121.3	0.01	3.67	147.38	28	3109	834	97	0.18	0.0	2.969	0.010	0	0	0	779
PL.20470	PL.19044	ABC	6 A (CWC)	7.28Y	121.3	0.00	3.67	1.46	1	29	14	90	0.00	0.0	2.974	0.005	0	0	0	4
PD.2949	PL.20470	ABC	65T	7.28Y	121.3	0.00	3.67	1.46	0	29	14	90	0.00	0.0	2.974	0.005	0	0	0	4

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Balanced Voltage Drop Report
Source: Beattyville

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.20471	PD.2949	ABC	6 A (CWC)	7.28Y	121.3	0.00	3.67	1.46	1	29	14	90	0.00	0.0	2.988	0.014	0	0	1	4
PL.19047	PL.20471	ABC	6 A (CWC)	7.28Y	121.3	0.00	3.67	1.46	1	29	14	90	0.00	0.0	3.021	0.033	2	0	1	3
PL.19048	PL.19047	ABC	6 A (CWC)	7.28Y	121.3	0.00	3.68	1.39	1	27	13	90	0.00	0.0	3.084	0.063	0	0	0	2
PL.19050	PL.19048	ABC	6 A (CWC)	7.28Y	121.3	0.00	3.68	1.17	1	23	11	90	0.00	0.0	3.112	0.028	0	0	0	1
PL.19051	PL.19050	ABC	6 A (CWC)	7.28Y	121.3	0.00	3.68	1.17	1	23	11	90	0.00	0.0	3.180	0.068	23	11	1	1
PL.19049	PL.19048	ABC	6 A (CWC)	7.28Y	121.3	0.00	3.68	0.22	0	4	2	89	0.00	0.0	3.097	0.013	4	2	1	1
PL.19045	PL.19044	ABC	336 MCM AC	7.27Y	121.2	0.14	3.81	145.94	28	3080	820	97	2.33	0.1	3.099	0.130	0	0	0	775
PL.19676	PL.19045	ABC	336 MCM AC	7.27Y	121.1	0.07	3.87	145.94	28	3078	814	97	1.10	0.0	3.160	0.061	0	0	0	775
PL.19877	PL.19676	A	#4 ACSR	7.27Y	121.1	0.00	3.88	4.07	3	29	7	97	0.00	0.0	3.165	0.005	0	0	0	4
PD.2883	PL.19877	A	65T	7.27Y	121.1	0.00	3.88	4.07	0	29	7	97	0.00	0.0	3.165	0.005	0	0	0	4
PL.19878	PD.2883	A	#4 ACSR	7.27Y	121.1	0.01	3.89	4.07	3	29	7	97	0.00	0.0	3.251	0.086	9	2	1	4
PL.19052	PL.19878	A	#4 ACSR	7.27Y	121.1	0.00	3.89	2.75	2	20	4	98	0.00	0.0	3.288	0.037	0	0	0	3
PL.19053	PL.19052	A	#4 ACSR	7.27Y	121.1	0.00	3.89	2.02	2	14	3	98	0.00	0.0	3.334	0.047	14	3	2	2
PL.19054	PL.19052	A	6 A (CWC)	7.27Y	121.1	0.00	3.89	0.73	1	5	1	98	0.00	0.0	3.361	0.073	5	1	1	1
PL.19046	PL.19676	ABC	336 MCM AC	7.26Y	121.1	0.07	3.94	144.58	28	3048	805	97	1.15	0.0	3.226	0.066	0	0	0	771
PL.19056	PL.19046	ABC	336 MCM AC	7.26Y	121.0	0.06	4.01	142.79	28	3008	794	97	1.06	0.0	3.288	0.062	0	0	0	761
PL.19350	PL.19056	ABC	336 MCM AC	7.26Y	120.9	0.04	4.05	142.78	28	3007	791	97	0.74	0.0	3.331	0.043	2	0	1	760
PL.20127	PL.19350	ABC	336 MCM AC	7.25Y	120.9	0.07	4.12	142.59	27	3002	789	97	1.17	0.0	3.399	0.068	8	2	2	758
PL.20128	PL.20127	ABC	336 MCM AC	7.25Y	120.8	0.06	4.18	142.19	27	2993	784	97	0.94	0.0	3.454	0.055	7	1	1	756
PL.19869	PL.20128	C	6 A (CWC)	7.25Y	120.8	0.00	4.18	0.75	1	5	1	98	0.00	0.0	3.459	0.005	0	0	0	7
PD.2879	PL.19869	C	65T	7.25Y	120.8	0.00	4.18	0.75	0	5	1	98	0.00	0.0	3.459	0.005	0	0	0	7
PL.19870	PD.2879	C	6 A (CWC)	7.25Y	120.8	0.00	4.18	0.75	1	5	1	98	0.00	0.0	3.500	0.041	3	1	1	7
PL.20126	PL.19870	C	6 A (CWC)	7.25Y	120.8	0.00	4.18	0.38	0	3	1	95	0.00	0.0	3.535	0.035	2	0	3	6
PL.19065	PL.20126	C	6 A (CWC)	7.25Y	120.8	0.00	4.18	0.14	0	1	0	100	0.00	0.0	3.582	0.046	0	0	1	3
PL.19063	PL.19065	C	6 A (CWC)	7.25Y	120.8	0.00	4.18	0.14	0	1	0	100	0.00	0.0	3.624	0.042	0	0	1	2
PL.19064	PL.19063	C	#4 ACSR	7.25Y	120.8	0.00	4.18	0.14	0	1	0	100	0.00	0.0	3.670	0.046	1	0	1	1
PL.19348	PL.20128	ABC	336 MCM AC	7.24Y	120.6	0.17	4.35	141.63	27	2980	779	97	2.84	0.1	3.622	0.168	0	0	0	748
PL.20464	PL.19348	A	6 A (CWC)	7.24Y	120.6	0.00	4.36	4.21	3	30	7	97	0.00	0.0	3.627	0.005	0	0	0	6
PD.2945	PL.20464	A	65T	7.24Y	120.6	0.00	4.36	4.21	0	30	7	97	0.00	0.0	3.627	0.005	0	0	0	6
PL.20465	PD.2945	A	6 A (CWC)	7.24Y	120.6	0.03	4.38	4.21	3	30	7	97	0.01	0.0	3.764	0.138	0	0	0	6
PL.19067	PL.20465	A	6 A (CWC)	7.24Y	120.6	0.00	4.38	2.09	1	15	3	98	0.00	0.0	3.797	0.032	0	0	0	3

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Balanced Voltage Drop Report
Source: Beattyville

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.19347	PL.19067	A	#4 ACSR	7.24Y	120.6	0.00	4.39	2.09	2	15	3	98	0.00	0.0	3.841	0.044	5	1	1	3
PL.19346	PL.19347	A	#4 ACSR	7.24Y	120.6	0.00	4.39	0.57	0	4	1	97	0.00	0.0	3.876	0.035	4	1	1	1
PL.19069	PL.19347	A	#4 ACSR	7.24Y	120.6	0.00	4.39	0.87	1	6	1	99	0.00	0.0	3.900	0.059	6	1	1	1
PL.19066	PL.20465	A	6 A (CWC)	7.24Y	120.6	0.00	4.39	2.11	2	15	3	98	0.00	0.0	3.816	0.051	0	0	1	3
PL.19068	PL.19066	A	6 A (CWC)	7.24Y	120.6	0.00	4.39	2.11	2	15	3	98	0.00	0.0	3.871	0.055	15	3	2	2
PL.20124	PL.19348	ABC	336 MCM AC	7.24Y	120.6	0.03	4.38	140.23	27	2947	766	97	0.42	0.0	3.647	0.025	0	0	1	742
PL.20125	PL.20124	ABC	336 MCM AC	7.23Y	120.6	0.06	4.44	140.23	27	2947	765	97	0.94	0.0	3.704	0.057	0	0	0	741
PL.19070	PL.20125	ABC	336 MCM AC	7.23Y	120.5	0.06	4.50	140.23	27	2946	763	97	0.99	0.0	3.764	0.060	0	0	0	741
PL.19071	PL.19070	ABC	#3/0 ACSR	7.23Y	120.5	0.01	4.50	32.28	11	680	167	97	0.03	0.0	3.778	0.014	0	0	1	158
PL.19073	PL.19071	ABC	#3/0 ACSR	7.23Y	120.5	0.02	4.52	32.26	11	679	167	97	0.08	0.0	3.826	0.048	24	5	2	157
PL.20476	PL.19073	ABC	#3/0 ACSR	7.23Y	120.5	0.00	4.53	31.12	10	655	161	97	0.01	0.0	3.831	0.005	0	0	0	155
PD.2953-A	PL.20476	ABC	Closed	7.23Y	120.5	0.00	4.53	31.12	0	655	161	97	0.00	0.0	3.831	0.005	0	0	0	155
PD.2953-B	PD.2953-A	ABC	Closed	7.23Y	120.5	0.00	4.53	31.12	0	655	161	97	0.00	0.0	3.831	0.005	0	0	0	155
PL.20477	PD.2953-B	ABC	#3/0 ACSR	7.22Y	120.4	0.06	4.59	31.12	10	655	161	97	0.27	0.0	3.998	0.167	5	1	1	155
PL.20123	PL.20477	ABC	#3/0 ACSR	7.22Y	120.4	0.02	4.61	30.87	10	650	160	97	0.09	0.0	4.055	0.057	0	0	0	154
PL.19081	PL.20123	ABC	#3/0 ACSR	7.22Y	120.4	0.04	4.65	30.87	10	650	160	97	0.15	0.0	4.151	0.097	0	0	0	154
PL.20444	PL.19081	A	#4 ACSR	7.22Y	120.4	0.00	4.65	1.36	1	10	2	98	0.00	0.0	4.156	0.005	0	0	0	2
PD.2933	PL.20444	A	65T	7.22Y	120.4	0.00	4.65	1.36	0	10	2	98	0.00	0.0	4.156	0.005	0	0	0	2
PL.20445	PD.2933	A	#4 ACSR	7.22Y	120.3	0.01	4.66	1.36	1	10	2	98	0.00	0.0	4.307	0.151	0	0	0	2
PL.19677	PL.20445	A	#4 ACSR	7.22Y	120.3	0.00	4.66	1.36	1	10	2	98	0.00	0.0	4.414	0.107	10	2	2	2
PL.19593	PL.19081	ABC	#3/0 ACSR	7.22Y	120.3	0.02	4.67	30.41	10	640	157	97	0.10	0.0	4.217	0.066	0	0	0	152
PL.19082	PL.19593	ABC	#3/0 ACSR	7.22Y	120.3	0.05	4.72	30.41	10	640	157	97	0.21	0.0	4.352	0.135	0	0	0	152
PL.19678	PL.19082	ABC	#3/0 ACSR	7.21Y	120.2	0.06	4.78	30.41	10	639	157	97	0.26	0.0	4.519	0.167	0	0	0	152
PL.19594	PL.19678	ABC	#3/0 ACSR	7.21Y	120.2	0.00	4.79	25.46	8	535	133	97	0.02	0.0	4.534	0.015	0	0	0	125
PL.19855	PL.19594	B	6 A (CWC)	7.21Y	120.2	0.00	4.79	0.82	1	6	1	99	0.00	0.0	4.554	0.020	0	0	0	1
PD.2872	PL.19855	B	65T	7.21Y	120.2	0.00	4.79	0.82	0	6	1	99	0.00	0.0	4.554	0.020	0	0	0	1
PL.19856	PD.2872	B	6 A (CWC)	7.21Y	120.2	0.00	4.79	0.82	1	6	1	99	0.00	0.0	4.605	0.050	6	1	1	1
PL.19595	PL.19594	ABC	#3/0 ACSR	7.21Y	120.2	0.01	4.79	25.18	8	529	131	97	0.02	0.0	4.551	0.017	0	0	0	124
PL.20500	PL.19595	ABC	#1/0 ACSR	7.21Y	120.2	0.00	4.80	25.18	11	529	131	97	0.00	0.0	4.554	0.003	0	0	0	124
PD.2966	PL.20500	ABC	100L	7.21Y	120.2	0.00	4.80	25.18	25	529	131	97	0.00	0.0	4.554	0.003	0	0	0	124
PL.20501	PD.2966	ABC	#1/0 ACSR	7.21Y	120.1	0.08	4.87	25.18	11	529	131	97	0.29	0.1	4.724	0.170	0	0	0	124

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: Beattyville

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.20514	PL.20501	ABC	#1/0 ACSR	7.21Y	120.1	0.00	4.87	25.18	11	529	131	97	0.01	0.0	4.728	0.004	0	0	0	124
RG.25	PL.20514	ABC	76.2 KVA	7.44Y	124.0	-3.88	1.00	25.18	25	529	131	97	percent Boost= 3.12			Tap= 5.0				124
PL.20515	RG.25	ABC	#1/0 ACSR	7.44Y	123.9	0.06	1.06	24.40	11	529	131	97	0.22	0.0	4.868	0.140	0	0	0	124
PL.19679	PL.20515	ABC	#1/0 ACSR	7.43Y	123.9	0.05	1.11	24.40	11	528	131	97	0.20	0.0	4.991	0.123	0	0	0	124
PL.19094	PL.19679	ABC	#1/0 ACSR	7.43Y	123.9	0.02	1.14	24.40	11	528	130	97	0.09	0.0	5.045	0.054	0	0	0	124
PL.19853	PL.19094	A	#1/0 ACSR	7.43Y	123.9	0.00	1.14	0.80	0	6	1	99	0.00	0.0	5.050	0.004	0	0	0	2
PD.2871	PL.19853	A	30T	7.43Y	123.9	0.00	1.14	0.80	0	6	1	99	0.00	0.0	5.050	0.004	0	0	0	2
PL.19854	PD.2871	A	#1/0 ACSR	7.43Y	123.9	0.00	1.14	0.80	0	6	1	99	0.00	0.0	5.087	0.038	6	1	2	2
PL.19596	PL.19094	ABC	#1/0 ACSR	7.43Y	123.8	0.07	1.21	24.13	10	522	129	97	0.26	0.1	5.214	0.169	0	0	0	122
PL.19095	PL.19596	ABC	#1/0 ACSR	7.42Y	123.7	0.05	1.26	24.13	10	522	129	97	0.17	0.0	5.325	0.111	0	0	0	122
PL.19597	PL.19095	ABC	#1/0 ACSR	7.42Y	123.7	0.05	1.30	23.69	10	512	126	97	0.16	0.0	5.433	0.108	0	0	0	121
PL.19849	PL.19597	C	#4 ACSR	7.42Y	123.7	0.00	1.30	0.00	0	0	0	100	0.00	0.0	5.438	0.005	0	0	0	0
PD.2869	PL.19849	C	30T	7.42Y	123.7	0.00	1.30	0.00	0	0	0	100	0.00	0.0	5.438	0.005	0	0	0	0
PL.19850	PD.2869	C	#4 ACSR	7.42Y	123.7	0.00	1.30	0.00	0	0	0	100	0.00	0.0	5.539	0.101	0	0	0	0
PL.19598	PL.19597	ABC	#1/0 ACSR	7.42Y	123.7	0.04	1.35	23.69	10	512	126	97	0.16	0.0	5.538	0.105	3	1	1	121
PL.19096	PL.19598	ABC	#1/0 ACSR	7.42Y	123.6	0.05	1.40	23.54	10	509	125	97	0.17	0.0	5.656	0.118	0	0	0	120
PL.20462	PL.19096	A	#2 ACSR	7.42Y	123.6	0.00	1.40	0.00	0	0	0	100	0.00	0.0	5.661	0.004	0	0	0	0
PD.2944	PL.20462	A	30T	7.42Y	123.6	0.00	1.40	0.00	0	0	0	100	0.00	0.0	5.661	0.004	0	0	0	0
PL.20463	PD.2944	A	#2 ACSR	7.42Y	123.6	0.00	1.40	0.00	0	0	0	100	0.00	0.0	5.669	0.008	0	0	0	0
PL.19599	PL.19096	ABC	#1/0 ACSR	7.41Y	123.6	0.02	1.42	23.54	10	508	125	97	0.09	0.0	5.714	0.058	0	0	0	120
PL.19847	PL.19599	C	#1/0 ACSR	7.41Y	123.6	0.00	1.42	3.90	2	28	6	98	0.00	0.0	5.719	0.004	0	0	0	3
PD.2868	PL.19847	C	30T	7.41Y	123.6	0.00	1.42	3.90	0	28	6	98	0.00	0.0	5.719	0.004	0	0	0	3
PL.19848	PD.2868	C	#1/0 ACSR	7.41Y	123.6	0.00	1.42	3.90	2	28	6	98	0.00	0.0	5.747	0.028	3	1	1	3
PL.19097	PL.19848	C	#1/0 ACSR	7.41Y	123.6	0.00	1.43	1.99	1	14	3	98	0.00	0.0	5.912	0.165	14	3	1	1
PL.19098	PL.19848	C	#4 ACSR	7.41Y	123.6	0.00	1.42	1.48	1	11	2	98	0.00	0.0	5.770	0.023	11	2	1	1
PL.19600	PL.19599	ABC	#1/0 ACSR	7.41Y	123.5	0.05	1.47	22.24	10	480	119	97	0.16	0.0	5.832	0.118	0	0	0	117
PL.19680	PL.19600	ABC	#1/0 ACSR	7.41Y	123.5	0.06	1.52	22.24	10	480	119	97	0.19	0.0	5.973	0.141	0	0	0	117
PL.20102	PL.19680	ABC	#1/0 ACSR	7.41Y	123.4	0.03	1.56	19.37	8	418	104	97	0.10	0.0	6.073	0.100	5	1	1	109
PL.20103	PL.20102	ABC	#1/0 ACSR	7.40Y	123.4	0.04	1.60	19.14	8	413	103	97	0.11	0.0	6.189	0.116	0	0	0	108
PL.19105	PL.20103	ABC	#1/0 ACSR	7.40Y	123.4	0.04	1.63	18.48	8	398	100	97	0.10	0.0	6.303	0.113	0	0	0	106
PL.20097	PL.19105	ABC	#1/0 ACSR	7.40Y	123.4	0.01	1.65	18.48	8	398	100	97	0.03	0.0	6.340	0.037	0	0	0	106

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Balanced Voltage Drop Report
Source: Beattyville

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.20098	PL.20097	ABC	#1/0 ACSR	7.40Y	123.3	0.02	1.66	18.48	8	398	100	97	0.04	0.0	6.389	0.049	0	0	0	106
PL.20099	PL.20098	ABC	#1/0 ACSR	7.40Y	123.3	0.02	1.68	18.48	8	398	99	97	0.05	0.0	6.439	0.050	0	0	0	106
PL.19601	PL.20099	ABC	#1/0 ACSR	7.40Y	123.3	0.00	1.68	0.00	0	0	0	100	0.00	0.0	6.487	0.048	0	0	0	0
PL.19108	PL.19601	ABC	#1/0 ACSR	7.40Y	123.3	0.00	1.68	0.00	0	0	0	100	0.00	0.0	6.544	0.056	0	0	0	0
PL.20492	PL.20099	B	#1/0 ACSR	7.40Y	123.3	0.02	1.69	55.35	24	397	99	97	0.04	0.0	6.452	0.013	0	0	0	105
PD.2961	PL.20492	B	100L	7.40Y	123.3	0.00	1.69	55.35	55	397	99	97	0.00	0.0	6.452	0.013	0	0	0	105
PL.20493	PD.2961	B	#1/0 ACSR	7.39Y	123.1	0.20	1.89	55.35	24	397	99	97	0.52	0.1	6.607	0.155	0	0	0	105
PL.19111	PL.20493	B	#1/0 ACSR	7.38Y	123.0	0.13	2.01	55.35	24	397	99	97	0.33	0.1	6.707	0.099	0	0	0	105
PL.19112	PL.19111	B	#1/0 ACSR	7.37Y	122.8	0.18	2.20	55.35	24	396	98	97	0.48	0.1	6.850	0.143	0	0	0	105
PL.19681	PL.19112	B	#1/0 ACSR	7.36Y	122.7	0.13	2.32	55.35	24	396	98	97	0.34	0.1	6.951	0.101	0	0	0	105
PL.19683	PL.19681	B	#1/0 ACSR	7.35Y	122.5	0.14	2.46	55.35	24	396	97	97	0.37	0.1	7.062	0.111	0	0	0	105
PL.19682	PL.19683	B	#1/0 ACSR	7.34Y	122.4	0.13	2.59	55.35	24	395	97	97	0.35	0.1	7.169	0.107	8	2	1	105
PL.19115	PL.19682	B	#1/0 ACSR	7.34Y	122.3	0.14	2.74	54.23	24	387	95	97	0.37	0.1	7.285	0.116	0	0	0	104
PL.19116	PL.19115	B	#1/0 ACSR	7.34Y	122.3	0.00	2.74	0.05	0	0	0	100	0.00	0.0	7.458	0.173	0	0	1	1
PL.19602	PL.19115	B	#1/0 ACSR	7.33Y	122.1	0.15	2.88	54.18	24	386	94	97	0.38	0.1	7.404	0.119	1	0	1	103
PL.19119	PL.19602	B	6 A (CWC)	7.33Y	122.1	0.00	2.88	0.49	0	3	1	95	0.00	0.0	7.484	0.080	3	1	1	1
PL.19120	PL.19602	B	#1/0 ACSR	7.32Y	122.1	0.05	2.93	52.47	23	374	91	97	0.12	0.0	7.445	0.041	0	0	0	99
PL.19121	PL.19120	B	#1/0 ACSR	7.31Y	121.9	0.16	3.09	52.47	23	373	91	97	0.39	0.1	7.576	0.131	0	0	0	99
PL.19684	PL.19121	B	#1/0 ACSR	7.31Y	121.8	0.07	3.16	52.47	23	373	90	97	0.17	0.0	7.634	0.058	0	0	0	99
PL.19122	PL.19684	B	#1/0 ACSR	7.30Y	121.7	0.13	3.29	52.47	23	373	90	97	0.33	0.1	7.745	0.111	0	0	0	99
PL.20096	PL.19122	B	6 A (CWC)	7.30Y	121.7	0.00	3.29	0.38	0	3	1	95	0.00	0.0	7.872	0.127	2	0	1	3
PL.19839	PL.20096	B	6 A (CWC)	7.30Y	121.7	0.00	3.29	0.14	0	1	0	100	0.00	0.0	7.876	0.005	0	0	0	2
PD.2864	PL.19839	B	15T	7.30Y	121.7	0.00	3.29	0.14	0	1	0	100	0.00	0.0	7.876	0.005	0	0	0	2
PL.19840	PD.2864	B	6 A (CWC)	7.30Y	121.7	0.00	3.29	0.14	0	1	0	100	0.00	0.0	7.961	0.084	0	0	0	2
PL.25743	PL.19840	B	6 A (CWC)	7.30Y	121.7	0.00	3.29	0.14	0	1	0	100	0.00	0.0	8.070	0.109	0	0	0	2
PL.25742	PL.25743	B	#1/0 ACSR	7.30Y	121.7	0.00	3.29	0.00	0	0	0	100	0.00	0.0	8.122	0.052	0	0	1	1
PL.25744	PL.25743	B	6 A (CWC)	7.30Y	121.7	0.00	3.29	0.14	0	1	0	100	0.00	0.0	8.108	0.038	1	0	1	1
PL.19126	PL.25744	B	6 A (CWC)	7.30Y	121.7	0.00	3.29	0.00	0	0	0	100	0.00	0.0	8.156	0.048	0	0	0	0
PL.19124	PL.19122	B	#1/0 ACSR	7.30Y	121.6	0.11	3.40	51.04	22	362	87	97	0.26	0.1	7.838	0.093	0	0	0	94
PL.20071	PL.19124	B	#1/0 ACSR	7.29Y	121.4	0.16	3.56	51.04	22	362	87	97	0.40	0.1	7.980	0.142	0	0	1	94
PL.20072	PL.20071	B	#1/0 ACSR	7.28Y	121.4	0.06	3.62	50.98	22	361	86	97	0.15	0.0	8.034	0.054	0	0	0	93

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Balanced Voltage Drop Report
Source: Beattyville

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.19125	PL.20072	B	#1/0 ACSR	7.27Y	121.2	0.21	3.83	50.98	22	361	86	97	0.51	0.1	8.213	0.180	0	0	0	93
PL.19128	PL.19125	B	#4 ACSR	7.27Y	121.2	0.01	3.84	2.31	2	16	4	97	0.00	0.0	8.309	0.096	0	0	0	2
PL.19129	PL.19128	B	6 A (CWC)	7.27Y	121.2	0.00	3.84	0.18	0	1	0	100	0.00	0.0	8.361	0.052	1	0	1	1
PL.19130	PL.19128	B	6 A (CWC)	7.27Y	121.2	0.01	3.84	2.12	2	15	3	98	0.00	0.0	8.415	0.106	15	3	1	1
PL.19131	PL.19130	B	#4 ACSR	7.27Y	121.2	0.00	3.84	0.00	0	0	0	100	0.00	0.0	8.424	0.009	0	0	0	0
PL.19811	PL.19125	B	#1/0 ACSR	7.26Y	121.0	0.21	4.03	48.67	21	344	82	97	0.48	0.1	8.401	0.188	0	0	0	91
PL.19155	PL.19811	B	#4 ACSR	7.26Y	121.0	0.00	4.03	0.00	0	0	0	100	0.00	0.0	8.437	0.036	0	0	0	0
PL.19157	PL.19811	B	#4 ACSR	7.26Y	121.0	0.00	4.04	0.39	0	3	1	95	0.00	0.0	8.541	0.140	3	1	1	1
PL.19167	PL.19157	B	6 A (CWC)	7.26Y	121.0	0.00	4.04	0.00	0	0	0	100	0.00	0.0	8.633	0.092	0	0	0	0
PL.19156	PL.19811	B	#4 ACSR	7.26Y	121.0	0.01	4.04	2.97	2	21	5	97	0.00	0.0	8.504	0.103	21	5	1	1
PL.19812	PL.19811	B	#1/0 ACSR	7.25Y	120.8	0.13	4.16	45.32	20	320	76	97	0.28	0.1	8.528	0.127	0	0	0	89
PL.32641	PL.19812	B	#1/0 ACSR	7.24Y	120.7	0.13	4.30	45.32	20	320	76	97	0.29	0.1	8.658	0.130	0	0	0	89
PD.4874	PL.32641	B	70L	7.24Y	120.7	0.00	4.30	45.32	65	319	75	97	0.00	0.0	8.658	0.130	0	0	0	89
PL.32642	PD.4874	B	#1/0 ACSR	7.24Y	120.7	0.02	4.31	45.32	20	319	75	97	0.03	0.0	8.673	0.015	1	0	1	89
PL.20066	PL.32642	B	#1/0 ACSR	7.24Y	120.6	0.06	4.37	45.13	20	318	75	97	0.13	0.0	8.732	0.058	0	0	0	88
PL.20061	PL.20066	B	#1/0 ACSR	7.23Y	120.6	0.06	4.43	45.13	20	318	75	97	0.13	0.0	8.789	0.057	0	0	0	88
PL.20491	PL.20061	B	#1/0 ACSR	7.23Y	120.5	0.08	4.51	45.13	20	318	75	97	0.18	0.1	8.866	0.077	1	0	3	88
PL.19808	PL.20491	B	#1/0 ACSR	7.22Y	120.4	0.09	4.60	42.31	18	298	70	97	0.19	0.1	8.960	0.094	4	1	2	77
PL.19162	PL.19808	B	6 A (CWC)	7.22Y	120.3	0.06	4.66	15.04	11	106	24	98	0.05	0.0	9.043	0.082	0	0	0	12
PL.19164	PL.19162	B	#4 ACSR	7.22Y	120.3	0.00	4.66	15.04	12	106	24	98	0.00	0.0	9.047	0.005	0	0	0	12
PD.2851	PL.19164	B	15T	7.22Y	120.3	0.00	4.66	15.04	0	106	24	98	0.00	0.0	9.047	0.005	0	0	0	12
PL.19605	PD.2851	B	#4 ACSR	7.22Y	120.3	0.00	4.67	0.97	1	7	2	96	0.00	0.0	9.168	0.120	7	2	1	1
PL.19805	PD.2851	B	6 A (CWC)	7.22Y	120.3	0.00	4.67	14.06	10	99	23	97	0.00	0.0	9.052	0.004	0	0	0	11
PL.19806	PL.19805	B	6 A (CWC)	7.22Y	120.3	0.00	4.67	14.06	10	99	23	97	0.00	0.0	9.052	0.000	0	0	0	11
PL.19247	PL.19806	B	6 A (CWC)	7.22Y	120.3	0.08	4.75	14.06	10	99	23	97	0.06	0.1	9.179	0.127	0	0	0	11
PL.19687	PL.19247	B	6 A (CWC)	7.21Y	120.2	0.04	4.79	14.06	10	99	23	97	0.03	0.0	9.244	0.064	0	0	0	11
PL.20057	PL.19687	B	6 A (CWC)	7.21Y	120.1	0.08	4.87	14.00	10	98	23	97	0.06	0.1	9.377	0.133	10	2	2	10
PL.20058	PL.20057	B	6 A (CWC)	7.20Y	120.1	0.06	4.93	12.55	9	88	20	98	0.04	0.0	9.487	0.111	9	2	2	8
PL.20059	PL.20058	B	6 A (CWC)	7.20Y	120.0	0.08	5.01	11.29	8	79	18	98	0.05	0.1	9.652	0.165	4	1	1	6
PL.20060	PL.20059	B	6 A (CWC)	7.20Y	119.9	0.06	5.07	10.75	8	75	17	98	0.04	0.0	9.783	0.130	0	0	0	5
PL.19525	PL.20060	B	6 A (CWC)	7.20Y	119.9	0.00	5.07	0.00	0	0	0	100	0.00	0.0	9.950	0.167	0	0	0	0

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Balanced Voltage Drop Report
Source: Beattyville

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.19526	PL.19525	B	6 A (CWC)	7.20Y	119.9	0.00	5.07	0.00	0	0	0	100	0.00	0.0	9.957	0.007	0	0	0	0
PL.19168	PL.20060	B	6 A (CWC)	7.19Y	119.8	0.08	5.15	10.75	8	75	17	98	0.05	0.1	9.951	0.168	0	0	0	5
PL.20474	PL.19168	B	#4 ACSR	7.19Y	119.8	0.00	5.16	10.75	8	75	17	98	0.00	0.0	9.955	0.004	0	0	0	5
PD.2952-A	PL.20474	B	Closed	7.19Y	119.8	0.00	5.16	10.75	0	75	17	98	0.00	0.0	9.955	0.004	0	0	0	5
PD.2952-B	PD.2952-A	B	Closed	7.19Y	119.8	0.00	5.16	10.75	0	75	17	98	0.00	0.0	9.955	0.004	0	0	0	5
PL.20475	PD.2952-B	B	#4 ACSR	7.19Y	119.8	0.00	5.16	10.75	8	75	17	98	0.00	0.0	9.959	0.004	0	0	0	5
PL.19527	PL.20475	B	#4 ACSR	7.19Y	119.8	0.05	5.21	10.75	8	75	17	98	0.03	0.0	10.070	0.111	0	0	0	5
PL.19606	PL.19527	B	#4 ACSR	7.18Y	119.7	0.06	5.27	10.75	8	75	17	98	0.04	0.1	10.206	0.136	0	0	0	5
PL.19813	PL.19606	B	#4 ACSR	7.18Y	119.7	0.07	5.35	10.75	8	75	17	98	0.04	0.1	10.368	0.162	9	2	1	5
PL.19814	PL.19813	B	#4 ACSR	7.18Y	119.6	0.00	5.35	0.84	1	6	1	99	0.00	0.0	10.482	0.113	0	0	0	1
PL.19690	PL.19814	B	#4 ACSR	7.18Y	119.6	0.00	5.35	0.84	1	6	1	99	0.00	0.0	10.622	0.140	6	1	1	1
PL.20430	PL.19813	B	#1/0 ACSR	7.18Y	119.7	0.00	5.35	8.64	4	60	14	97	0.00	0.0	10.373	0.004	0	0	0	3
PD.2926	PL.20430	B	10T	7.18Y	119.7	0.00	5.35	8.64	0	60	14	97	0.00	0.0	10.373	0.004	0	0	0	3
PL.20431	PD.2926	B	#1/0 ACSR	7.18Y	119.6	0.02	5.37	8.64	4	60	14	97	0.01	0.0	10.470	0.097	0	0	0	3
PL.19688	PL.20431	B	#1/0 ACSR	7.18Y	119.6	0.02	5.38	8.64	4	60	14	97	0.01	0.0	10.555	0.086	0	0	0	3
PL.20292	PL.19688	B	#1/0 ACSR	7.18Y	119.6	0.03	5.41	8.64	4	60	14	97	0.01	0.0	10.734	0.178	17	4	1	3
PL.20293	PL.20292	B	#1/0 ACSR	7.17Y	119.6	0.01	5.43	6.19	3	43	10	97	0.00	0.0	10.836	0.102	0	0	0	2
PL.19689	PL.20293	B	#1/0 ACSR	7.17Y	119.6	0.01	5.44	6.19	3	43	10	97	0.00	0.0	10.936	0.100	0	0	0	2
PL.20290	PL.19689	B	#1/0 ACSR	7.17Y	119.5	0.02	5.46	6.19	3	43	10	97	0.00	0.0	11.073	0.137	16	4	1	2
PL.20291	PL.20290	B	#1/0 ACSR	7.17Y	119.5	0.00	5.46	3.91	2	27	6	98	0.00	0.0	11.187	0.113	27	6	1	1
PL.20294	PL.19527	B	#4 ACSR	7.19Y	119.8	0.00	5.21	0.00	0	0	0	100	0.00	0.0	10.158	0.089	0	0	0	0
PL.20295	PL.20294	B	#4 ACSR	7.19Y	119.8	0.00	5.21	0.00	0	0	0	100	0.00	0.0	10.323	0.164	0	0	0	0
PL.19163	PL.19687	B	#4 ACSR	7.21Y	120.2	0.00	4.79	0.06	0	0	0	100	0.00	0.0	9.343	0.099	0	0	1	1
PL.19807	PL.19808	B	#1/0 ACSR	7.22Y	120.3	0.10	4.71	26.76	12	188	44	97	0.13	0.1	9.123	0.163	0	0	0	63
PL.19691	PL.19807	B	#1/0 ACSR	7.21Y	120.2	0.12	4.83	26.76	12	188	44	97	0.15	0.1	9.315	0.192	0	0	1	63
PL.19159	PL.19691	B	#1/0 ACSR	7.21Y	120.2	0.00	4.83	0.96	0	7	2	96	0.00	0.0	9.343	0.028	7	2	1	1
PL.32653	PL.19691	B	6 A (CWC)	7.21Y	120.2	0.00	4.83	0.58	0	4	1	97	0.00	0.0	9.369	0.054	0	0	0	2
PD.4879	PL.32653	B	10T	7.21Y	120.2	0.00	4.83	0.58	0	4	1	97	0.00	0.0	9.369	0.054	0	0	0	2
PL.32654	PD.4879	B	6 A (CWC)	7.21Y	120.2	0.00	4.83	0.58	0	4	1	97	0.00	0.0	9.473	0.104	0	0	0	2
PL.19692	PL.32654	B	6 A (CWC)	7.21Y	120.2	0.00	4.83	0.58	0	4	1	97	0.00	0.0	9.565	0.092	0	0	0	2
PL.19803	PL.19692	B	6 A (CWC)	7.21Y	120.2	0.00	4.83	0.58	0	4	1	97	0.00	0.0	9.641	0.076	0	0	0	2

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Balanced Voltage Drop Report
Source: Beattyville

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.19804	PL.19803	B	6 A (CWC)	7.21Y	120.2	0.00	4.84	0.11	0	1	0	100	0.00	0.0	9.788	0.148	1	0	1	1
PL.19169	PL.19804	B	#4 ACSR	7.21Y	120.2	0.00	4.84	0.00	0	0	0	100	0.00	0.0	9.898	0.110	0	0	0	0
PL.19165	PL.19803	B	#1/0 ACSR	7.21Y	120.2	0.00	4.84	0.48	0	3	1	95	0.00	0.0	9.683	0.042	3	1	1	1
PL.19801	PL.19691	B	#1/0 ACSR	7.21Y	120.1	0.07	4.90	25.20	11	177	42	97	0.09	0.1	9.444	0.128	4	1	2	59
PL.19166	PL.19801	B	#4 ACSR	7.21Y	120.1	0.00	4.90	0.09	0	1	0	100	0.00	0.0	9.516	0.073	1	0	1	1
PL.19802	PL.19801	B	#1/0 ACSR	7.20Y	120.0	0.05	4.95	24.52	11	172	40	97	0.06	0.0	9.536	0.092	0	0	0	56
PL.19693	PL.19802	B	#1/0 ACSR	7.20Y	120.0	0.07	5.02	24.52	11	172	40	97	0.08	0.0	9.651	0.115	0	0	0	56
PL.19160	PL.19693	B	6 A (CWC)	7.20Y	120.0	0.00	5.02	1.11	1	8	2	97	0.00	0.0	9.723	0.072	0	0	0	1
PL.19171	PL.19160	B	6 A (CWC)	7.20Y	120.0	0.01	5.03	1.11	1	8	2	97	0.00	0.0	9.868	0.145	0	0	0	1
PL.19170	PL.19171	B	#4 ACSR	7.20Y	120.0	0.00	5.03	1.11	1	8	2	97	0.00	0.0	9.937	0.069	8	2	1	1
PL.19607	PL.19693	B	#1/0 ACSR	7.20Y	119.9	0.06	5.08	23.41	10	164	38	97	0.07	0.0	9.762	0.111	0	0	0	55
PL.19694	PL.19607	B	#1/0 ACSR	7.19Y	119.9	0.06	5.14	23.41	10	164	38	97	0.07	0.0	9.874	0.112	0	0	0	55
PL.19788	PL.19694	B	#1/0 ACSR	7.19Y	119.8	0.06	5.20	23.41	10	164	38	97	0.06	0.0	9.976	0.102	0	0	0	55
PL.19695	PL.19788	B	#1/0 ACSR	7.18Y	119.7	0.07	5.27	23.41	10	164	38	97	0.08	0.0	10.108	0.132	0	0	0	55
PL.19172	PL.19695	B	#1/0 ACSR	7.18Y	119.6	0.10	5.37	23.41	10	164	38	97	0.11	0.1	10.287	0.180	0	0	0	55
PL.32646	PL.19172	B	#1/0 ACSR	7.17Y	119.5	0.09	5.46	23.41	10	164	38	97	0.10	0.1	10.457	0.170	0	0	0	55
PL.19532	PL.32646	B	6 A (CWC)	7.17Y	119.5	0.00	5.46	0.58	0	4	1	97	0.00	0.0	10.544	0.087	0	0	0	3
PL.19609	PL.19532	B	6 A (CWC)	7.17Y	119.5	0.00	5.47	0.32	0	2	1	89	0.00	0.0	10.697	0.153	0	0	0	1
PL.19696	PL.19609	B	6 A (CWC)	7.17Y	119.5	0.00	5.47	0.32	0	2	1	89	0.00	0.0	10.856	0.159	2	1	1	1
PL.19534	PL.19696	B	6 A (CWC)	7.17Y	119.5	0.00	5.47	0.00	0	0	0	100	0.00	0.0	10.991	0.135	0	0	0	0
PL.19533	PL.19532	B	#2 ACSR	7.17Y	119.5	0.00	5.46	0.26	0	2	0	100	0.00	0.0	10.575	0.030	2	0	2	2
PL.32645	PL.32646	B	#1/0 ACSR	7.17Y	119.5	0.00	5.46	22.82	10	160	37	97	0.00	0.0	10.462	0.005	0	0	0	52
PD.2941	PL.32645	B	40T	7.17Y	119.5	0.00	5.46	22.82	0	159	37	97	0.00	0.0	10.462	0.005	0	0	0	52
PL.19314	PD.2941	B	#1/0 ACSR	7.17Y	119.5	0.03	5.49	22.82	10	159	37	97	0.03	0.0	10.513	0.051	0	0	0	52
PL.20283	PL.19314	B	#1/0 ACSR	7.17Y	119.5	0.02	5.51	21.64	9	151	35	97	0.02	0.0	10.545	0.032	5	1	1	51
PL.20285	PL.20283	B	#1/0 ACSR	7.17Y	119.4	0.05	5.55	20.92	9	146	34	97	0.05	0.0	10.644	0.099	2	1	1	50
PL.20284	PL.20285	B	#1/0 ACSR	7.16Y	119.4	0.05	5.60	20.58	9	144	33	97	0.05	0.0	10.744	0.100	0	0	0	49
PL.19538	PL.20284	B	#1/0 ACSR	7.16Y	119.3	0.05	5.65	20.34	9	142	33	97	0.05	0.0	10.853	0.109	0	0	0	44
PL.19697	PL.19538	B	#1/0 ACSR	7.16Y	119.3	0.05	5.71	20.34	9	142	33	97	0.05	0.0	10.960	0.107	0	0	0	44
PL.19540	PL.19697	B	6 A (CWC)	7.16Y	119.3	0.01	5.72	4.78	3	33	8	97	0.00	0.0	11.011	0.051	0	0	0	5
PL.20420	PL.19540	B	6 A (CWC)	7.15Y	119.2	0.04	5.76	4.78	3	33	8	97	0.01	0.0	11.202	0.191	0	0	0	5

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Balanced Voltage Drop Report
Source: Beattyville

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.2921	PL.20420	B	10T	7.15Y	119.2	0.00	5.76	4.78	0	33	8	97	0.00	0.0	11.202	0.191	0	0	0	5
PL.20421	PD.2921	B	6 A (CWC)	7.15Y	119.2	0.04	5.80	4.78	3	33	8	97	0.01	0.0	11.384	0.181	0	0	0	5
PL.19698	PL.20421	B	6 A (CWC)	7.15Y	119.2	0.02	5.82	4.78	3	33	8	97	0.01	0.0	11.476	0.093	0	0	0	5
PL.20270	PL.19698	B	6 A (CWC)	7.15Y	119.2	0.02	5.84	4.78	3	33	8	97	0.01	0.0	11.575	0.099	0	0	0	5
PL.20271	PL.20270	B	6 A (CWC)	7.15Y	119.1	0.04	5.87	4.78	3	33	8	97	0.01	0.0	11.742	0.167	0	0	0	5
PL.19541	PL.20271	B	6 A (CWC)	7.15Y	119.1	0.02	5.90	4.78	3	33	8	97	0.00	0.0	11.903	0.161	26	6	2	5
PL.20315	PL.19541	B	6 A (CWC)	7.15Y	119.1	0.01	5.90	1.10	1	8	2	97	0.00	0.0	12.012	0.109	0	0	2	3
PL.20316	PL.20315	B	6 A (CWC)	7.15Y	119.1	0.01	5.91	1.10	1	8	2	97	0.00	0.0	12.123	0.110	0	0	0	1
PL.20313	PL.20316	B	6 A (CWC)	7.15Y	119.1	0.01	5.91	1.10	1	8	2	97	0.00	0.0	12.231	0.109	0	0	0	1
PL.20314	PL.20313	B	6 A (CWC)	7.14Y	119.1	0.01	5.92	1.10	1	8	2	97	0.00	0.0	12.405	0.174	0	0	0	1
PL.19699	PL.20314	B	6 A (CWC)	7.14Y	119.1	0.00	5.92	1.10	1	8	2	97	0.00	0.0	12.486	0.081	0	0	0	1
PL.20311	PL.19699	B	6 A (CWC)	7.14Y	119.1	0.00	5.93	1.10	1	8	2	97	0.00	0.0	12.656	0.170	8	2	1	1
PL.20312	PL.20311	B	6 A (CWC)	7.14Y	119.1	0.00	5.93	0.00	0	0	0	100	0.00	0.0	12.718	0.062	0	0	0	0
PL.20310	PL.20312	B	6 A (CWC)	7.14Y	119.1	0.00	5.93	0.00	0	0	0	100	0.00	0.0	12.820	0.103	0	0	0	0
PL.19539	PL.19697	B	#1/0 ACSR	7.16Y	119.3	0.03	5.73	15.56	7	109	25	97	0.02	0.0	11.041	0.081	0	0	0	39
PL.19543	PL.19539	B	#4 ACSR	7.16Y	119.3	0.00	5.73	0.01	0	0	0	100	0.00	0.0	11.137	0.096	0	0	1	1
PL.19542	PL.19539	B	#1/0 ACSR	7.15Y	119.2	0.07	5.81	15.55	7	108	25	97	0.05	0.0	11.236	0.195	0	0	0	38
PL.19798	PL.19542	B	6 A (CWC)	7.15Y	119.2	0.00	5.81	0.00	0	0	0	100	0.00	0.0	11.395	0.159	0	0	0	0
PL.19797	PL.19542	B	#1/0 ACSR	7.15Y	119.1	0.07	5.87	15.55	7	108	25	97	0.05	0.0	11.424	0.188	4	1	1	38
PL.19553	PL.19797	B	#1/0 ACSR	7.15Y	119.1	0.03	5.90	14.97	7	104	24	97	0.02	0.0	11.501	0.076	0	0	0	37
PL.19552	PL.19553	B	#1/0 ACSR	7.15Y	119.1	0.00	5.90	14.97	7	104	24	97	0.00	0.0	11.506	0.005	0	0	0	37
PD.2923	PL.19552	B	30T	7.15Y	119.1	0.00	5.90	14.97	0	104	24	97	0.00	0.0	11.506	0.005	0	0	0	37
PL.19796	PD.2923	B	6 A (CWC)	7.15Y	119.1	0.00	5.90	4.80	3	33	8	97	0.00	0.0	11.506	0.000	0	0	0	10
PL.20425	PL.19796	B	6 A (CWC)	7.15Y	119.1	0.00	5.90	4.80	3	33	8	97	0.00	0.0	11.506	0.000	0	0	0	10
PL.20424	PL.20425	B	6 A (CWC)	7.15Y	119.1	0.00	5.90	4.80	3	33	8	97	0.00	0.0	11.512	0.006	0	0	0	10
PL.19551	PL.20424	B	6 A (CWC)	7.15Y	119.1	0.01	5.91	4.80	3	33	8	97	0.00	0.0	11.540	0.028	9	2	1	10
PL.20274	PL.19551	B	6 A (CWC)	7.14Y	119.1	0.01	5.92	3.55	3	25	6	97	0.00	0.0	11.628	0.088	4	1	3	9
PL.20276	PL.20274	B	6 A (CWC)	7.14Y	119.1	0.01	5.93	2.93	2	20	5	97	0.00	0.0	11.677	0.049	3	1	1	6
PL.20275	PL.20276	B	6 A (CWC)	7.14Y	119.1	0.01	5.94	2.45	2	17	4	97	0.00	0.0	11.775	0.097	0	0	0	5
PL.19547	PL.20275	B	6 A (CWC)	7.14Y	119.1	0.01	5.94	2.45	2	17	4	97	0.00	0.0	11.831	0.057	0	0	0	5
PL.19544	PL.19547	B	#4 ACSR	7.14Y	119.1	0.00	5.94	0.00	0	0	0	100	0.00	0.0	11.922	0.091	0	0	0	0

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Balanced Voltage Drop Report
Source: Beattyville

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.32650	PL.19547	B	#4 ACSR	7.14Y	119.1	0.00	5.94	2.45	2	17	4	97	0.00	0.0	11.833	0.002	0	0	0	5
PD.4877	PL.32650	B	20T	7.14Y	119.1	0.00	5.94	2.45	0	17	4	97	0.00	0.0	11.833	0.002	0	0	0	5
PL.32649	PD.4877	B	#4 ACSR	7.14Y	119.1	0.01	5.95	2.45	2	17	4	97	0.00	0.0	11.893	0.059	5	1	1	5
PL.20281	PL.32649	B	#4 ACSR	7.14Y	119.0	0.01	5.95	1.78	1	12	3	97	0.00	0.0	12.002	0.109	8	2	1	4
PL.19546	PL.20281	B	#4 ACSR	7.14Y	119.0	0.00	5.95	0.00	0	0	0	100	0.00	0.0	12.146	0.145	0	0	0	1
PL.19700	PL.19546	B	#4 ACSR	7.14Y	119.0	0.00	5.95	0.00	0	0	0	100	0.00	0.0	12.269	0.123	0	0	1	1
PL.19545	PL.20281	B	6 A (CWC)	7.14Y	119.0	0.00	5.96	0.57	0	4	1	97	0.00	0.0	12.169	0.167	0	0	1	2
PL.19548	PL.19545	B	6 A (CWC)	7.14Y	119.0	0.00	5.96	0.57	0	4	1	97	0.00	0.0	12.298	0.129	0	0	0	1
PL.19549	PL.19548	B	6 A (CWC)	7.14Y	119.0	0.00	5.96	0.00	0	0	0	100	0.00	0.0	12.372	0.074	0	0	0	0
PL.19550	PL.19548	B	6 A (CWC)	7.14Y	119.0	0.00	5.97	0.57	0	4	1	97	0.00	0.0	12.412	0.114	0	0	0	1
PL.19701	PL.19550	B	6 A (CWC)	7.14Y	119.0	0.00	5.97	0.57	0	4	1	97	0.00	0.0	12.519	0.106	4	1	1	1
PL.19316	PD.2923	B	#1/0 ACSR	7.14Y	119.1	0.03	5.93	10.17	4	71	16	98	0.01	0.0	11.619	0.113	0	0	0	27
PL.19317	PL.19316	B	#1/0 ACSR	7.14Y	119.1	0.02	5.95	10.17	4	71	16	98	0.01	0.0	11.713	0.095	0	0	0	27
PL.19555	PL.19317	B	#1/0 ACSR	7.14Y	119.0	0.03	5.98	10.17	4	71	16	98	0.02	0.0	11.855	0.142	2	0	1	27
PL.19556	PL.19555	B	6 A (CWC)	7.14Y	119.0	0.00	5.98	0.59	0	4	1	97	0.00	0.0	11.967	0.112	4	1	2	2
PL.19557	PL.19555	B	#1/0 ACSR	7.14Y	119.0	0.04	6.02	9.35	4	65	15	97	0.02	0.0	12.025	0.169	2	1	1	24
PL.19558	PL.19557	B	#1/0 ACSR	7.14Y	118.9	0.04	6.06	9.00	4	63	14	98	0.02	0.0	12.213	0.189	0	0	0	23
PL.20279	PL.19558	B	#1/0 ACSR	7.13Y	118.9	0.03	6.09	9.00	4	63	14	98	0.01	0.0	12.369	0.156	2	0	1	23
PL.20280	PL.20279	B	#1/0 ACSR	7.13Y	118.9	0.01	6.10	8.70	4	61	14	97	0.00	0.0	12.398	0.029	8	2	2	22
PL.19559	PL.20280	B	#1/0 ACSR	7.13Y	118.9	0.02	6.11	7.61	3	53	12	98	0.01	0.0	12.500	0.102	3	1	2	20
PL.32651	PL.19559	B	#1/0 ACSR	7.13Y	118.9	0.00	6.11	3.53	2	25	6	97	0.00	0.0	12.507	0.006	0	0	0	12
PD.4878	PL.32651	B	20T	7.13Y	118.9	0.00	6.11	3.53	0	25	6	97	0.00	0.0	12.507	0.006	0	0	0	12
PL.32652	PD.4878	B	#1/0 ACSR	7.13Y	118.9	0.01	6.12	3.53	2	25	6	97	0.00	0.0	12.607	0.100	2	1	1	12
PL.20272	PL.32652	B	#1/0 ACSR	7.13Y	118.9	0.01	6.13	3.21	1	22	5	98	0.00	0.0	12.720	0.113	3	1	2	11
PL.20273	PL.20272	B	#1/0 ACSR	7.13Y	118.9	0.00	6.13	2.81	1	20	4	98	0.00	0.0	12.799	0.079	5	1	1	9
PL.19565	PL.20273	B	#1/0 ACSR	7.13Y	118.9	0.00	6.14	2.02	1	14	3	98	0.00	0.0	12.861	0.063	4	1	1	8
PL.19566	PL.19565	B	6 A (CWC)	7.13Y	118.9	0.01	6.15	1.42	1	10	2	98	0.00	0.0	13.012	0.151	0	0	0	7
PL.19567	PL.19566	B	6 A (CWC)	7.13Y	118.8	0.00	6.15	1.42	1	10	2	98	0.00	0.0	13.076	0.064	0	0	0	7
PL.19703	PL.19567	B	6 A (CWC)	7.13Y	118.8	0.01	6.16	1.42	1	10	2	98	0.00	0.0	13.198	0.122	0	0	0	7
PL.19704	PL.19703	B	6 A (CWC)	7.13Y	118.8	0.01	6.17	1.42	1	10	2	98	0.00	0.0	13.302	0.103	0	0	0	7
PL.19568	PL.19704	B	6 A (CWC)	7.13Y	118.8	0.01	6.18	1.42	1	10	2	98	0.00	0.0	13.469	0.167	0	0	0	7

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Balanced Voltage Drop Report
Source: Beattyville

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.19571	PL.19568	B	6 A (CWC)	7.13Y	118.8	0.01	6.18	1.42	1	10	2	98	0.00	0.0	13.597	0.129	0	0	0	7
PL.19572	PL.19571	B	6 A (CWC)	7.13Y	118.8	0.00	6.19	1.20	1	8	2	97	0.00	0.0	13.699	0.102	2	0	1	5
PL.19573	PL.19572	B	6 A (CWC)	7.13Y	118.8	0.00	6.19	0.91	1	6	1	99	0.00	0.0	13.725	0.026	0	0	0	4
PL.19574	PL.19573	B	#1/0 ACSR	7.13Y	118.8	0.00	6.19	0.91	0	6	1	99	0.00	0.0	13.845	0.120	0	0	1	4
PL.19575	PL.19574	B	#1/0 ACSR	7.13Y	118.8	0.00	6.19	0.84	0	6	1	99	0.00	0.0	13.941	0.096	4	1	1	3
PL.19576	PL.19575	B	#1/0 ACSR	7.13Y	118.8	0.00	6.19	0.27	0	2	0	100	0.00	0.0	13.996	0.055	0	0	0	2
PL.21291	PL.19576	B	1/0 AL URD	7.13Y	118.8	0.00	6.19	0.27	0	2	0	100	0.00	0.0	14.000	0.004	0	0	0	2
PD.3062	PL.21291	B	10T	7.13Y	118.8	0.00	6.19	0.27	0	2	0	100	0.00	0.0	14.000	0.004	0	0	0	2
PL.21292	PD.3062	B	1/0 AL URD	7.13Y	118.8	0.00	6.19	0.27	0	2	0	100	0.00	0.0	14.019	0.019	2	0	2	2
PL.19570	PL.19571	B	#1/0 ACSR	7.13Y	118.8	0.00	6.18	0.21	0	1	0	100	0.00	0.0	13.652	0.055	0	0	0	2
PL.19569	PL.19570	B	#1/0 ACSR	7.13Y	118.8	0.00	6.19	0.21	0	1	0	100	0.00	0.0	13.787	0.135	1	0	2	2
PL.19564	PL.32652	B	#4 ACSR	7.13Y	118.9	0.00	6.12	0.00	0	0	0	100	0.00	0.0	12.673	0.066	0	0	0	0
PL.19561	PL.19559	B	6 A (CWC)	7.13Y	118.9	0.00	6.12	3.68	3	26	6	97	0.00	0.0	12.505	0.005	0	0	0	6
PD.2947	PL.19561	B	20T	7.13Y	118.9	0.00	6.12	3.68	0	26	6	97	0.00	0.0	12.505	0.005	0	0	0	6
PL.19794	PD.2947	B	#4 ACSR	7.13Y	118.9	0.00	6.12	0.48	0	3	1	95	0.00	0.0	12.517	0.012	0	0	0	2
PL.19795	PL.19794	B	#4 ACSR	7.13Y	118.9	0.00	6.12	0.48	0	3	1	95	0.00	0.0	12.517	0.000	0	0	0	2
PL.19560	PL.19795	B	#4 ACSR	7.13Y	118.9	0.00	6.12	0.48	0	3	1	95	0.00	0.0	12.580	0.063	3	1	2	2
PL.20277	PD.2947	B	6 A (CWC)	7.13Y	118.9	0.01	6.12	3.21	2	22	5	98	0.00	0.0	12.545	0.040	4	1	1	4
PL.20278	PL.20277	B	6 A (CWC)	7.13Y	118.9	0.01	6.13	2.65	2	18	4	98	0.00	0.0	12.652	0.108	11	2	1	3
PL.19563	PL.20278	B	#4 ACSR	7.13Y	118.9	0.00	6.13	1.01	1	7	2	96	0.00	0.0	12.830	0.177	7	2	1	1
PL.19562	PL.20278	B	#4 ACSR	7.13Y	118.9	0.00	6.13	0.06	0	0	0	100	0.00	0.0	12.732	0.080	0	0	1	1
PL.19554	PL.19316	B	#4 ACSR	7.14Y	119.1	0.00	5.93	0.00	0	0	0	100	0.00	0.0	11.749	0.131	0	0	0	0
PL.19702	PL.19554	B	#4 ACSR	7.14Y	119.1	0.00	5.93	0.00	0	0	0	100	0.00	0.0	11.827	0.078	0	0	0	0
PL.19315	PL.20284	B	6 A (CWC)	7.16Y	119.4	0.00	5.60	0.24	0	2	0	100	0.00	0.0	10.932	0.188	0	0	0	5
PL.19531	PL.19315	B	6 A (CWC)	7.16Y	119.4	0.00	5.61	0.05	0	0	0	100	0.00	0.0	11.004	0.072	0	0	1	1
PL.19537	PL.19531	B	6 A (CWC)	7.16Y	119.4	0.00	5.61	0.00	0	0	0	100	0.00	0.0	11.059	0.056	0	0	0	0
PL.19530	PL.19315	B	6 A (CWC)	7.16Y	119.4	0.00	5.61	0.19	0	1	0	100	0.00	0.0	10.958	0.026	0	0	0	4
PL.19529	PL.19530	B	6 A (CWC)	7.16Y	119.4	0.00	5.61	0.19	0	1	0	100	0.00	0.0	11.052	0.094	1	0	2	4
PL.19528	PL.19529	B	#4 ACSR	7.16Y	119.4	0.00	5.61	0.00	0	0	0	100	0.00	0.0	11.159	0.106	0	0	2	2
PL.19536	PL.19314	B	#2 ACSR	7.17Y	119.5	0.00	5.49	1.18	1	8	2	97	0.00	0.0	10.614	0.102	8	2	1	1
PL.32648	PL.32646	B	6 A (CWC)	7.17Y	119.5	0.00	5.46	0.00	0	0	0	100	0.00	0.0	10.461	0.004	0	0	0	0

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Balanced Voltage Drop Report
Source: Beattyville

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.4876	PL.32648	B	20T	7.17Y	119.5	0.00	5.46	0.00	0	0	0	100	0.00	0.0	10.461	0.004	0	0	0	0
PL.32647	PD.4876	B	6 A (CWC)	7.17Y	119.5	0.00	5.46	0.00	0	0	0	100	0.00	0.0	10.462	0.001	0	0	0	0
PL.32643	PL.20491	B	#4 ACSR	7.23Y	120.5	0.00	4.51	2.61	2	18	4	98	0.00	0.0	8.870	0.004	0	0	0	8
PD.4875	PL.32643	B	20T	7.23Y	120.5	0.00	4.51	2.61	0	18	4	98	0.00	0.0	8.870	0.004	0	0	0	8
PL.32644	PD.4875	B	#4 ACSR	7.23Y	120.5	0.01	4.52	2.61	2	18	4	98	0.00	0.0	8.982	0.112	5	1	2	8
PL.20063	PL.32644	B	#4 ACSR	7.23Y	120.5	0.00	4.53	1.90	1	13	3	97	0.00	0.0	9.020	0.038	4	1	1	6
PL.20064	PL.20063	B	#4 ACSR	7.23Y	120.5	0.00	4.53	1.32	1	9	2	98	0.00	0.0	9.097	0.077	0	0	0	5
PL.20067	PL.20064	B	#4 ACSR	7.23Y	120.5	0.00	4.53	0.05	0	0	0	100	0.00	0.0	9.141	0.045	0	0	0	1
PL.20068	PL.20067	B	#4 ACSR	7.23Y	120.5	0.00	4.53	0.05	0	0	0	100	0.00	0.0	9.262	0.121	0	0	1	1
PL.19809	PL.20064	B	#4 ACSR	7.23Y	120.5	0.01	4.54	1.26	1	9	2	98	0.00	0.0	9.199	0.102	0	0	0	4
PL.19161	PL.19809	B	#4 ACSR	7.23Y	120.5	0.00	4.54	0.00	0	0	0	100	0.00	0.0	9.291	0.092	0	0	0	0
PL.19810	PL.19809	B	#4 ACSR	7.23Y	120.5	0.01	4.54	1.26	1	9	2	98	0.00	0.0	9.351	0.152	0	0	0	4
PL.19604	PL.19810	B	#4 ACSR	7.23Y	120.5	0.00	4.55	0.33	0	2	1	89	0.00	0.0	9.433	0.082	0	0	0	2
PL.19686	PL.19604	B	#4 ACSR	7.23Y	120.5	0.00	4.55	0.32	0	2	1	89	0.00	0.0	9.551	0.118	2	1	1	1
PL.27891	PL.19604	B	#1/0 ACSR	7.23Y	120.5	0.00	4.55	0.00	0	0	0	100	0.00	0.0	9.464	0.031	0	0	0	1
PL.27892	PL.27891	B	#1/0 ACSR	7.23Y	120.5	0.00	4.55	0.00	0	0	0	100	0.00	0.0	9.518	0.054	0	0	0	1
PL.27893	PL.27892	B	#1/0 ACSR	7.23Y	120.5	0.00	4.55	0.00	0	0	0	100	0.00	0.0	9.542	0.024	0	0	1	1
PL.20069	PL.19810	B	#4 ACSR	7.23Y	120.5	0.00	4.55	0.93	1	7	1	99	0.00	0.0	9.388	0.037	2	0	1	2
PL.20070	PL.20069	B	#4 ACSR	7.23Y	120.5	0.00	4.55	0.64	0	5	1	98	0.00	0.0	9.444	0.057	5	1	1	1
PL.19123	PL.19122	B	6 A (CWC)	7.30Y	121.7	0.00	3.29	1.04	1	7	2	96	0.00	0.0	7.840	0.096	7	2	2	2
PL.19118	PL.19602	B	6 A (CWC)	7.33Y	122.1	0.00	2.89	1.09	1	8	2	97	0.00	0.0	7.461	0.057	0	0	0	2
PL.19117	PL.19118	B	#1/0 ACSR	7.33Y	122.1	0.00	2.89	0.75	0	5	1	98	0.00	0.0	7.592	0.131	5	1	1	1
PL.19603	PL.19118	B	6 A (CWC)	7.33Y	122.1	0.00	2.89	0.34	0	2	1	89	0.00	0.0	7.532	0.071	2	1	1	1
PL.19107	PL.20099	C	6 A (CWC)	7.40Y	123.3	0.00	1.68	0.08	0	1	0	100	0.00	0.0	6.456	0.016	0	0	0	1
PL.19841	PL.19107	C	#4 ACSR	7.40Y	123.3	0.00	1.68	0.08	0	1	0	100	0.00	0.0	6.460	0.004	0	0	0	1
PD.2865	PL.19841	C	30T	7.40Y	123.3	0.00	1.68	0.08	0	1	0	100	0.00	0.0	6.460	0.004	0	0	0	1
PL.19842	PD.2865	C	#4 ACSR	7.40Y	123.3	0.00	1.68	0.08	0	1	0	100	0.00	0.0	6.570	0.110	0	0	0	1
PL.19109	PL.19842	C	#4 ACSR	7.40Y	123.3	0.00	1.68	0.08	0	1	0	100	0.00	0.0	6.617	0.048	0	0	0	1
PL.19110	PL.19109	C	#4 ACSR	7.40Y	123.3	0.00	1.68	0.08	0	1	0	100	0.00	0.0	6.655	0.037	1	0	1	1
PL.19843	PL.20103	C	#1/0 ACSR	7.40Y	123.4	0.00	1.60	1.97	1	14	3	98	0.00	0.0	6.194	0.004	0	0	0	2
PD.2866	PL.19843	C	30T	7.40Y	123.4	0.00	1.60	1.97	0	14	3	98	0.00	0.0	6.194	0.004	0	0	0	2

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Balanced Voltage Drop Report
Source: Beattyville

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.19844	PD.2866	C	#1/0 ACSR	7.40Y	123.4	0.00	1.60	1.97	1	14	3	98	0.00	0.0	6.217	0.023	8	2	1	2
PL.19106	PL.19844	C	#4 ACSR	7.40Y	123.4	0.00	1.60	0.80	1	6	1	99	0.00	0.0	6.266	0.049	6	1	1	1
PL.19845	PL.19680	C	6 A (CWC)	7.41Y	123.5	0.00	1.52	2.77	2	20	5	97	0.00	0.0	5.978	0.005	0	0	0	2
PD.2867	PL.19845	C	30T	7.41Y	123.5	0.00	1.52	2.77	0	20	5	97	0.00	0.0	5.978	0.005	0	0	0	2
PL.19846	PD.2867	C	6 A (CWC)	7.41Y	123.5	0.00	1.53	2.77	2	20	5	97	0.00	0.0	6.019	0.042	9	2	1	2
PL.19100	PL.19846	C	6 A (CWC)	7.41Y	123.5	0.00	1.53	0.00	0	0	0	100	0.00	0.0	6.136	0.116	0	0	0	0
PL.19101	PL.19846	C	#2 ACSR	7.41Y	123.5	0.00	1.53	1.57	1	11	3	96	0.00	0.0	6.056	0.036	11	3	1	1
PL.20446	PL.19680	A	6 A (CWC)	7.41Y	123.5	0.00	1.52	5.84	4	42	10	97	0.00	0.0	5.978	0.004	0	0	0	6
PD.2934	PL.20446	A	30T	7.41Y	123.5	0.00	1.52	5.84	0	42	10	97	0.00	0.0	5.978	0.004	0	0	0	6
PL.20447	PD.2934	A	6 A (CWC)	7.41Y	123.5	0.00	1.53	5.84	4	42	10	97	0.00	0.0	5.996	0.018	7	2	1	6
PL.20100	PL.20447	A	6 A (CWC)	7.41Y	123.5	0.01	1.54	4.88	3	35	8	97	0.00	0.0	6.053	0.057	6	1	1	5
PL.20101	PL.20100	A	6 A (CWC)	7.41Y	123.5	0.00	1.54	4.11	3	30	7	97	0.00	0.0	6.070	0.017	0	0	0	4
PL.19102	PL.20101	A	6 A (CWC)	7.41Y	123.5	0.00	1.55	2.03	1	15	3	98	0.00	0.0	6.168	0.098	14	3	1	2
PL.65822	PL.19102	A	#1/0 ACSR	7.41Y	123.5	0.00	1.55	0.15	0	1	0	100	0.00	0.0	6.200	0.032	0	0	0	1
PL.65823	PL.65822	A	#1/0 ACSR	7.41Y	123.5	0.00	1.55	0.15	0	1	0	100	0.00	0.0	6.294	0.094	1	0	1	1
PL.19099	PL.20101	A	6 A (CWC)	7.41Y	123.5	0.01	1.55	2.08	1	15	3	98	0.00	0.0	6.152	0.082	4	1	1	2
PL.19104	PL.19099	A	#1/0 ACSR	7.41Y	123.5	0.00	1.55	1.47	1	11	2	98	0.00	0.0	6.223	0.071	11	2	1	1
PL.19851	PL.19095	A	1/0 AL URD	7.42Y	123.7	0.00	1.26	1.32	1	10	2	98	0.00	0.0	5.330	0.004	0	0	0	1
PD.2870	PL.19851	A	30T	7.42Y	123.7	0.00	1.26	1.32	0	10	2	98	0.00	0.0	5.330	0.004	0	0	0	1
PL.19852	PD.2870	A	1/0 AL URD	7.42Y	123.7	0.00	1.26	1.32	1	10	2	98	0.00	0.0	5.411	0.081	10	2	1	1
PL.20494	PL.19678	C	6 A (CWC)	7.21Y	120.2	0.00	4.79	14.87	11	105	24	97	0.00	0.0	4.522	0.003	0	0	0	27
PD.2962	PL.20494	C	50L	7.21Y	120.2	0.00	4.79	14.87	30	105	24	97	0.00	0.0	4.522	0.003	0	0	0	27
PL.20495	PD.2962	C	6 A (CWC)	7.21Y	120.1	0.08	4.87	14.87	11	105	24	97	0.07	0.1	4.652	0.130	7	2	2	27
PL.20106	PL.20495	C	6 A (CWC)	7.21Y	120.1	0.05	4.92	12.95	9	91	21	97	0.03	0.0	4.732	0.081	5	1	1	23
PL.20107	PL.20106	C	6 A (CWC)	7.20Y	120.1	0.02	4.94	12.18	9	86	20	97	0.01	0.0	4.769	0.037	4	1	1	22
PL.20108	PL.20107	C	6 A (CWC)	7.20Y	120.0	0.05	4.99	11.64	8	82	19	97	0.03	0.0	4.871	0.101	1	0	1	21
PL.20109	PL.20108	C	6 A (CWC)	7.20Y	120.0	0.03	5.02	11.54	8	81	18	98	0.02	0.0	4.939	0.068	9	2	1	20
PL.20110	PL.20109	C	6 A (CWC)	7.20Y	120.0	0.01	5.04	10.22	7	72	16	98	0.01	0.0	4.969	0.031	12	3	2	19
PL.19083	PL.20110	C	#2 ACSR	7.20Y	120.0	0.00	5.04	1.39	1	10	2	98	0.00	0.0	5.014	0.045	10	2	1	1
PL.19084	PL.20110	C	#1/0 ACSR	7.20Y	120.0	0.00	5.04	0.08	0	1	0	100	0.00	0.0	5.016	0.046	1	0	2	2
PL.19085	PL.20110	C	6 A (CWC)	7.20Y	119.9	0.02	5.06	7.01	5	49	11	98	0.01	0.0	5.037	0.068	8	2	1	14

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: Beattyville

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.20111	PL.19085	C	6 A (CWC)	7.20Y	119.9	0.01	5.07	5.74	4	40	9	98	0.00	0.0	5.090	0.053	6	1	1	12
PL.20112	PL.20111	C	6 A (CWC)	7.20Y	119.9	0.01	5.08	4.88	3	34	8	97	0.00	0.0	5.132	0.041	8	2	2	11
PL.19088	PL.20112	C	6 A (CWC)	7.20Y	119.9	0.00	5.08	1.59	1	11	3	96	0.00	0.0	5.229	0.097	11	3	3	3
PL.19907	PL.20112	C	6 A (CWC)	7.19Y	119.9	0.01	5.08	2.08	1	15	3	98	0.00	0.0	5.240	0.109	8	2	3	6
PL.19089	PL.19907	C	6 A (CWC)	7.19Y	119.9	0.01	5.09	0.97	1	7	2	96	0.00	0.0	5.356	0.116	0	0	1	3
PL.19090	PL.19089	C	6 A (CWC)	7.19Y	119.9	0.00	5.09	0.65	0	5	1	98	0.00	0.0	5.397	0.040	5	1	1	1
PL.19091	PL.19090	C	#4 ACSR	7.19Y	119.9	0.00	5.09	0.00	0	0	0	100	0.00	0.0	5.435	0.038	0	0	0	0
PL.19092	PL.19089	C	6 A (CWC)	7.19Y	119.9	0.00	5.09	0.31	0	2	0	100	0.00	0.0	5.431	0.075	0	0	0	1
PL.19093	PL.19092	C	#4 ACSR	7.19Y	119.9	0.00	5.09	0.31	0	2	0	100	0.00	0.0	5.482	0.051	2	0	1	1
PL.19086	PL.19085	C	6 A (CWC)	7.20Y	119.9	0.00	5.06	0.17	0	1	0	100	0.00	0.0	5.068	0.031	1	0	1	1
PL.19087	PL.19086	C	6 A (CWC)	7.20Y	119.9	0.00	5.06	0.00	0	0	0	100	0.00	0.0	5.154	0.086	0	0	0	0
PL.20104	PL.20495	C	#4 ACSR	7.21Y	120.1	0.00	4.87	0.87	1	6	1	99	0.00	0.0	4.679	0.027	5	1	1	2
PL.20105	PL.20104	C	#4 ACSR	7.21Y	120.1	0.00	4.87	0.10	0	1	0	100	0.00	0.0	4.718	0.039	1	0	1	1
PL.19072	PL.19070	ABC	336 MCM AC	7.23Y	120.5	0.04	4.54	107.95	21	2265	593	97	0.49	0.0	3.814	0.050	2	0	1	583
PL.20122	PL.19072	ABC	336 MCM AC	7.22Y	120.4	0.09	4.62	107.87	21	2263	592	97	1.06	0.0	3.923	0.108	0	0	1	582
PL.20478	PL.20122	ABC	336 MCM AC	7.22Y	120.3	0.12	4.74	107.87	21	2262	589	97	1.49	0.1	4.075	0.152	0	0	0	581
PD.2954-A	PL.20478	ABC	Closed	7.22Y	120.3	0.00	4.74	107.87	0	2260	586	97	0.00	0.0	4.075	0.152	0	0	0	581
PD.2954-B	PD.2954-A	ABC	Closed	7.22Y	120.3	0.00	4.74	107.87	0	2260	586	97	0.00	0.0	4.075	0.152	0	0	0	581
PL.20479	PD.2954-B	ABC	336 MCM AC	7.21Y	120.2	0.01	4.75	107.87	21	2260	586	97	0.11	0.0	4.086	0.011	1	0	1	581
PL.20510	PL.20479	ABC	336 MCM AC	7.21Y	120.2	0.08	4.83	107.81	21	2259	585	97	0.97	0.0	4.186	0.100	0	0	0	580
PL.20511	PL.20510	ABC	336 MCM AC	7.20Y	120.0	0.13	4.96	107.81	21	2258	583	97	1.62	0.1	4.352	0.166	8	2	2	580
PL.20121	PL.20511	ABC	336 MCM AC	7.20Y	120.0	0.05	5.01	107.43	21	2248	577	97	0.67	0.0	4.421	0.069	0	0	0	578
PL.19074	PL.20121	ABC	336 MCM AC	7.19Y	119.9	0.11	5.12	107.43	21	2248	576	97	1.36	0.1	4.561	0.140	0	0	0	578
PL.20119	PL.19074	ABC	336 MCM AC	7.19Y	119.8	0.08	5.21	107.43	21	2246	572	97	1.03	0.0	4.667	0.106	9	2	1	578
PL.20120	PL.20119	ABC	336 MCM AC	7.19Y	119.8	0.03	5.24	107.00	21	2236	568	97	0.38	0.0	4.707	0.040	0	0	0	577
PL.19075	PL.20120	ABC	336 MCM AC	7.18Y	119.7	0.02	5.25	107.00	21	2236	567	97	0.21	0.0	4.728	0.022	5	1	2	577
PL.19076	PL.19075	ABC	336 MCM AC	7.18Y	119.6	0.12	5.37	106.77	21	2231	566	97	1.49	0.1	4.884	0.155	0	0	0	574
PL.19077	PL.19076	ABC	336 MCM AC	7.17Y	119.6	0.07	5.44	106.77	21	2229	562	97	0.85	0.0	4.972	0.089	0	0	0	574
PL.19078	PL.19077	ABC	336 MCM AC	7.17Y	119.5	0.08	5.52	106.24	20	2217	558	97	1.02	0.0	5.080	0.108	0	0	0	572
PL.19705	PL.19078	ABC	336 MCM AC	7.16Y	119.4	0.08	5.60	106.24	20	2216	555	97	0.98	0.0	5.183	0.103	0	0	0	572
PL.20113	PL.19705	ABC	336 MCM AC	7.16Y	119.3	0.12	5.72	102.78	20	2143	536	97	1.46	0.1	5.347	0.164	0	0	1	560

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Balanced Voltage Drop Report
Source: Beattyville

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.20114	PL.20113	ABC	336 MCM AC	7.15Y	119.2	0.03	5.75	102.76	20	2141	533	97	0.35	0.0	5.387	0.040	13	3	1	559
PL.19861	PL.20114	C	#1/0 ACSR	7.15Y	119.2	0.00	5.75	1.85	1	13	3	97	0.00	0.0	5.392	0.005	0	0	0	1
PD.2875	PL.19861	C	65T	7.15Y	119.2	0.00	5.75	1.85	0	13	3	97	0.00	0.0	5.392	0.005	0	0	0	1
PL.19862	PD.2875	C	#1/0 ACSR	7.15Y	119.2	0.00	5.76	1.85	1	13	3	97	0.00	0.0	5.569	0.177	13	3	1	1
PL.19080	PL.20114	ABC	336 MCM AC	7.15Y	119.1	0.12	5.87	101.50	20	2114	526	97	1.44	0.1	5.554	0.166	0	0	0	557
PL.19173	PL.19080	ABC	336 MCM AC	7.14Y	119.1	0.06	5.94	100.95	19	2101	520	97	0.75	0.0	5.641	0.087	0	0	0	553
PL.19708	PL.19173	ABC	336 MCM AC	7.14Y	118.9	0.12	6.06	100.95	19	2101	518	97	1.45	0.1	5.810	0.168	0	0	0	553
PL.20355	PL.19708	C	6 A (CWC)	7.14Y	118.9	0.00	6.06	2.40	2	17	4	97	0.00	0.0	5.814	0.005	0	0	0	6
PD.2862	PL.20355	C	65T	7.14Y	118.9	0.00	6.06	2.40	0	17	4	97	0.00	0.0	5.814	0.005	0	0	0	6
PL.20356	PD.2862	C	6 A (CWC)	7.14Y	118.9	0.01	6.07	2.40	2	17	4	97	0.00	0.0	5.921	0.107	0	0	0	6
PL.19175	PL.20356	C	6 A (CWC)	7.14Y	118.9	0.01	6.08	2.40	2	17	4	97	0.00	0.0	6.000	0.079	6	1	2	6
PL.19303	PL.19175	C	6 A (CWC)	7.14Y	118.9	0.00	6.08	1.51	1	11	2	98	0.00	0.0	6.097	0.097	11	2	4	4
PL.19340	PL.19708	ABC	336 MCM AC	7.13Y	118.9	0.03	6.09	100.15	19	2082	511	97	0.41	0.0	5.858	0.048	0	0	0	547
PL.19341	PL.19340	ABC	336 MCM AC	7.13Y	118.9	0.00	6.09	100.15	19	2082	510	97	0.01	0.0	5.859	0.001	0	0	0	547
RG.26	PL.19341	ABC	114.3 KVA	7.46Y	124.3	-5.44	0.65	100.15	67	2082	510	97	percent Boost= 4.38 Tap= 7.0							547
PL.19646	RG.26	ABC	336 MCM AC	7.46Y	124.3	0.00	0.65	95.77	18	2082	510	97	0.01	0.0	5.860	0.001	0	0	0	547
PL.20094	PL.19646	ABC	336 MCM AC	7.46Y	124.3	0.05	0.70	95.77	18	2082	510	97	0.52	0.0	5.928	0.067	16	4	4	547
PL.20095	PL.20094	ABC	336 MCM AC	7.46Y	124.3	0.04	0.74	95.03	18	2065	505	97	0.46	0.0	5.988	0.060	2	0	1	543
PL.19176	PL.20095	ABC	336 MCM AC	7.45Y	124.2	0.02	0.76	94.94	18	2063	504	97	0.24	0.0	6.020	0.032	2	0	1	542
PL.19177	PL.19176	ABC	336 MCM AC	7.45Y	124.2	0.03	0.79	94.87	18	2061	503	97	0.31	0.0	6.060	0.040	0	0	0	541
PL.20502	PL.19177	ABC	#1/0 ACSR	7.45Y	124.2	0.04	0.83	33.38	15	724	183	97	0.19	0.0	6.124	0.064	0	0	0	177
PD.2967	PL.20502	ABC	100L	7.45Y	124.2	0.00	0.83	33.38	33	723	183	97	0.00	0.0	6.124	0.064	0	0	0	177
PL.20503	PD.2967	ABC	#1/0 ACSR	7.45Y	124.1	0.05	0.87	33.38	15	723	183	97	0.23	0.0	6.200	0.076	0	0	0	177
PL.20349	PL.20503	A	#4 ACSR	7.45Y	124.1	0.00	0.87	0.75	1	5	1	98	0.00	0.0	6.205	0.005	0	0	0	1
PD.2859	PL.20349	A	20T	7.45Y	124.1	0.00	0.87	0.75	0	5	1	98	0.00	0.0	6.205	0.005	0	0	0	1
PL.20350	PD.2859	A	#4 ACSR	7.45Y	124.1	0.00	0.87	0.75	1	5	1	98	0.00	0.0	6.237	0.032	5	1	1	1
PL.20093	PL.20350	A	#4 ACSR	7.45Y	124.1	0.00	0.87	0.00	0	0	0	100	0.00	0.0	6.326	0.089	0	0	0	0
PL.19905	PL.20503	ABC	#1/0 ACSR	7.44Y	124.1	0.06	0.93	33.13	14	718	181	97	0.29	0.0	6.299	0.099	0	0	0	176
PL.19906	PL.19905	ABC	#1/0 ACSR	7.44Y	124.0	0.04	0.97	33.00	14	715	180	97	0.20	0.0	6.369	0.070	3	1	1	174
PL.20091	PL.19906	ABC	#1/0 ACSR	7.44Y	124.0	0.05	1.02	32.35	14	700	177	97	0.23	0.0	6.452	0.083	8	2	1	170
PL.20092	PL.20091	ABC	#1/0 ACSR	7.44Y	123.9	0.03	1.05	32.00	14	692	175	97	0.15	0.0	6.507	0.055	0	0	0	169

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Balanced Voltage Drop Report
Source: Beattyville

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.20345	PL.20092	C	6 A (CWC)	7.44Y	123.9	0.00	1.05	0.16	0	1	0	100	0.00	0.0	6.512	0.005	0	0	0	1
PD.2857	PL.20345	C	20T	7.44Y	123.9	0.00	1.05	0.16	0	1	0	100	0.00	0.0	6.512	0.005	0	0	0	1
PL.20346	PD.2857	C	6 A (CWC)	7.44Y	123.9	0.00	1.05	0.16	0	1	0	100	0.00	0.0	6.592	0.081	1	0	1	1
PL.20087	PL.20092	ABC	#1/0 ACSR	7.43Y	123.9	0.05	1.10	31.95	14	691	175	97	0.22	0.0	6.590	0.083	4	1	3	168
PL.20088	PL.20087	ABC	#1/0 ACSR	7.43Y	123.9	0.04	1.14	31.76	14	687	174	97	0.20	0.0	6.665	0.075	0	0	0	165
PL.19896	PL.20088	ABC	#1/0 ACSR	7.43Y	123.8	0.04	1.18	30.95	13	669	169	97	0.19	0.0	6.741	0.076	3	1	1	163
PL.19897	PL.19896	ABC	#1/0 ACSR	7.42Y	123.7	0.08	1.26	29.22	13	631	161	97	0.35	0.1	6.894	0.153	0	0	0	155
PL.20341	PL.19897	A	#4 ACSR	7.42Y	123.7	0.00	1.26	2.33	2	17	4	97	0.00	0.0	6.898	0.005	0	0	0	3
PD.2855	PL.20341	A	20T	7.42Y	123.7	0.00	1.26	2.33	0	17	4	97	0.00	0.0	6.898	0.005	0	0	0	3
PL.20342	PD.2855	A	#4 ACSR	7.42Y	123.7	0.01	1.27	2.33	2	17	4	97	0.00	0.0	6.980	0.082	8	2	1	3
PL.20083	PL.20342	A	#4 ACSR	7.42Y	123.7	0.00	1.27	1.27	1	9	2	98	0.00	0.0	7.043	0.062	5	1	1	2
PL.20084	PL.20083	A	#4 ACSR	7.42Y	123.7	0.00	1.27	0.63	0	5	1	98	0.00	0.0	7.135	0.092	5	1	1	1
PL.20082	PL.19897	ABC	#1/0 ACSR	7.42Y	123.7	0.03	1.30	28.45	12	614	156	97	0.14	0.0	6.959	0.065	11	2	2	152
PL.20085	PL.20082	ABC	#1/0 ACSR	7.42Y	123.7	0.03	1.33	27.96	12	603	154	97	0.14	0.0	7.027	0.068	0	0	0	150
PL.20086	PL.20085	ABC	#1/0 ACSR	7.42Y	123.6	0.07	1.40	27.96	12	603	154	97	0.27	0.0	7.160	0.133	6	1	1	150
PL.19888	PL.20086	ABC	#1/0 ACSR	7.41Y	123.6	0.05	1.44	26.53	12	572	146	97	0.18	0.0	7.257	0.097	0	0	0	145
PL.19309	PL.19888	ABC	#1/0 ACSR	7.41Y	123.5	0.05	1.49	20.26	9	436	115	97	0.16	0.0	7.399	0.142	0	0	0	111
PL.19714	PL.19309	ABC	#1/0 ACSR	7.41Y	123.4	0.06	1.56	20.26	9	436	115	97	0.19	0.0	7.573	0.174	0	0	0	111
PL.19715	PL.19714	ABC	#1/0 ACSR	7.40Y	123.4	0.06	1.61	20.26	9	435	115	97	0.18	0.0	7.733	0.160	0	0	0	111
PL.19716	PL.19715	ABC	#1/0 ACSR	7.40Y	123.3	0.04	1.65	20.26	9	435	114	97	0.12	0.0	7.846	0.113	2	0	1	111
PL.19310	PL.19716	ABC	#1/0 ACSR	7.40Y	123.3	0.02	1.68	18.76	8	403	107	97	0.06	0.0	7.910	0.064	0	0	0	103
PL.20031	PL.19310	ABC	#1/0 ACSR	7.40Y	123.3	0.03	1.70	18.76	8	402	107	97	0.08	0.0	7.991	0.082	7	2	1	103
PL.20032	PL.20031	ABC	#1/0 ACSR	7.40Y	123.3	0.03	1.73	18.42	8	395	105	97	0.07	0.0	8.070	0.078	7	2	1	102
PL.20029	PL.20032	ABC	#1/0 ACSR	7.39Y	123.2	0.03	1.76	18.10	8	388	104	97	0.09	0.0	8.174	0.104	2	1	1	101
PL.20030	PL.20029	ABC	#1/0 ACSR	7.39Y	123.2	0.06	1.82	18.00	8	386	103	97	0.16	0.0	8.357	0.183	0	0	1	100
PL.20028	PL.20030	ABC	#1/0 ACSR	7.39Y	123.1	0.04	1.86	18.00	8	386	103	97	0.10	0.0	8.478	0.121	0	0	0	99
PL.19479	PL.20028	ABC	#1/0 ACSR	7.39Y	123.1	0.04	1.90	18.00	8	385	103	97	0.12	0.0	8.612	0.133	0	0	0	99
PL.19827	PL.19479	ABC	#1/0 ACSR	7.38Y	123.0	0.05	1.95	17.90	8	383	102	97	0.13	0.0	8.768	0.156	2	0	1	98
PL.20323	PL.19827	C	6 A (CWC)	7.38Y	123.0	0.00	1.96	2.08	1	15	3	98	0.00	0.0	8.773	0.005	0	0	0	2
PD.2844	PL.20323	C	20T	7.38Y	123.0	0.00	1.96	2.08	0	15	3	98	0.00	0.0	8.773	0.005	0	0	0	2
PL.20324	PD.2844	C	6 A (CWC)	7.38Y	123.0	0.00	1.96	2.08	1	15	3	98	0.00	0.0	8.790	0.017	12	3	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: Beattyville

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.20020	PL.20324	C	6 A (CWC)	7.38Y	123.0	0.00	1.96	0.37	0	3	1	95	0.00	0.0	8.884	0.094	3	1	1	1
PL.20018	PL.19827	ABC	#1/0 ACSR	7.38Y	123.0	0.02	1.98	17.14	7	367	98	97	0.06	0.0	8.846	0.078	10	2	1	95
PL.20019	PL.20018	ABC	#1/0 ACSR	7.38Y	123.0	0.01	1.99	16.70	7	357	96	97	0.03	0.0	8.887	0.041	0	0	0	94
PL.19391	PL.20019	ABC	#1/0 ACSR	7.38Y	123.0	0.03	2.02	10.74	5	228	66	96	0.04	0.0	9.027	0.140	0	0	0	49
PL.19821	PL.19391	ABC	#1/0 ACSR	7.38Y	123.0	0.02	2.04	10.74	5	228	66	96	0.03	0.0	9.125	0.098	11	2	2	49
PL.20321	PL.19821	C	#4 ACSR	7.38Y	123.0	0.00	2.04	0.20	0	1	0	100	0.00	0.0	9.129	0.005	0	0	0	1
PD.2843	PL.20321	C	20T	7.38Y	123.0	0.00	2.04	0.20	0	1	0	100	0.00	0.0	9.129	0.005	0	0	0	1
PL.20322	PD.2843	C	#4 ACSR	7.38Y	123.0	0.00	2.04	0.20	0	1	0	100	0.00	0.0	9.256	0.126	1	0	1	1
PL.19822	PL.19821	ABC	#1/0 ACSR	7.38Y	123.0	0.01	2.05	10.17	4	216	63	96	0.02	0.0	9.193	0.068	0	0	0	46
PL.19820	PL.19822	ABC	#1/0 ACSR	7.38Y	122.9	0.01	2.06	6.38	3	134	45	95	0.01	0.0	9.255	0.062	0	0	0	20
PL.20015	PL.19820	ABC	#1/0 ACSR	7.38Y	122.9	0.00	2.06	6.38	3	134	45	95	0.00	0.0	9.289	0.034	2	0	1	20
PL.20016	PL.20015	ABC	#1/0 ACSR	7.38Y	122.9	0.01	2.07	6.31	3	132	44	95	0.01	0.0	9.371	0.082	0	0	0	19
PL.20488	PL.20016	C	6 A (CWC)	7.38Y	122.9	0.00	2.07	10.73	8	77	18	97	0.00	0.0	9.374	0.003	0	0	0	16
PD.2959	PL.20488	C	35L	7.38Y	122.9	0.00	2.07	10.73	31	77	18	97	0.00	0.0	9.374	0.003	0	0	0	16
PL.20489	PD.2959	C	6 A (CWC)	7.38Y	122.9	0.00	2.07	10.73	8	77	18	97	0.00	0.0	9.378	0.005	9	2	2	16
PL.20017	PL.20489	C	6 A (CWC)	7.37Y	122.9	0.05	2.12	9.44	7	68	16	97	0.02	0.0	9.490	0.112	0	0	0	14
PL.20021	PL.20017	C	6 A (CWC)	7.37Y	122.8	0.05	2.18	9.44	7	68	15	98	0.03	0.0	9.621	0.130	1	0	1	14
PL.20022	PL.20021	C	6 A (CWC)	7.37Y	122.8	0.03	2.21	9.27	7	67	15	98	0.02	0.0	9.695	0.074	0	0	0	13
PL.19447	PL.20022	C	6 A (CWC)	7.37Y	122.8	0.00	2.21	9.27	7	67	15	98	0.00	0.0	9.697	0.002	6	1	2	13
PL.19651	PL.19447	C	6 A (CWC)	7.37Y	122.8	0.02	2.22	4.51	3	32	7	98	0.00	0.0	9.777	0.081	0	0	0	8
PL.19817	PL.19651	C	6 A (CWC)	7.37Y	122.8	0.02	2.24	4.51	3	32	7	98	0.00	0.0	9.875	0.097	2	0	1	8
PL.19448	PL.19817	C	#4 ACSR	7.37Y	122.8	0.00	2.24	0.00	0	0	0	100	0.00	0.0	9.925	0.051	0	0	0	0
PL.20073	PL.19817	C	6 A (CWC)	7.36Y	122.7	0.01	2.26	4.28	3	31	7	98	0.00	0.0	9.948	0.074	0	0	0	7
PL.20074	PL.20073	C	6 A (CWC)	7.36Y	122.7	0.03	2.29	4.28	3	31	7	98	0.01	0.0	10.112	0.164	0	0	0	7
PL.20054	PL.20074	C	6 A (CWC)	7.36Y	122.7	0.03	2.32	4.28	3	31	7	98	0.01	0.0	10.254	0.143	0	0	0	7
PL.20055	PL.20054	C	6 A (CWC)	7.36Y	122.6	0.04	2.35	4.28	3	31	7	98	0.01	0.0	10.451	0.197	3	1	2	7
PL.20056	PL.20055	C	6 A (CWC)	7.36Y	122.6	0.01	2.37	3.86	3	28	6	98	0.00	0.0	10.530	0.079	2	0	1	5
PL.19816	PL.20056	C	6 A (CWC)	7.36Y	122.6	0.01	2.37	3.31	2	24	5	98	0.00	0.0	10.585	0.055	0	0	0	3
PL.19740	PL.19816	C	6 A (CWC)	7.36Y	122.6	0.00	2.37	0.00	0	0	0	100	0.00	0.0	10.631	0.045	0	0	0	0
PL.65705	PL.19740	C	6 A (CWC)	7.36Y	122.6	0.00	2.37	0.00	0	0	0	100	0.00	0.0	10.635	0.005	0	0	0	0
PD.2839-A	PL.65705	C	Open	7.36Y	122.6	0.00	2.37	0.00	0	0	0	100	0.00	0.0	10.635	0.005	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: Beattyville

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.20460	PL.19816	C	6 A (CWC)	7.36Y	122.6	0.00	2.38	3.31	2	24	5	98	0.00	0.0	10.590	0.005	0	0	0	3
PD.2943	PL.20460	C	15T	7.36Y	122.6	0.00	2.38	3.31	0	24	5	98	0.00	0.0	10.590	0.005	0	0	0	3
PL.20461	PD.2943	C	6 A (CWC)	7.36Y	122.6	0.03	2.40	3.31	2	24	5	98	0.00	0.0	10.763	0.173	0	0	0	3
PL.19452	PL.20461	C	6 A (CWC)	7.35Y	122.6	0.02	2.42	3.31	2	24	5	98	0.00	0.0	10.896	0.134	0	0	0	3
PL.19741	PL.19452	C	6 A (CWC)	7.35Y	122.6	0.01	2.44	3.31	2	24	5	98	0.00	0.0	10.997	0.100	0	0	0	3
PL.19451	PL.19741	C	#1/0 ACSR	7.35Y	122.6	0.01	2.44	3.31	1	24	5	98	0.00	0.0	11.110	0.113	0	0	0	3
PL.19742	PL.19451	C	#1/0 ACSR	7.35Y	122.6	0.01	2.45	3.31	1	24	5	98	0.00	0.0	11.212	0.102	13	3	1	3
PL.19450	PL.19742	C	#1/0 ACSR	7.35Y	122.5	0.00	2.45	1.55	1	11	3	96	0.00	0.0	11.394	0.182	11	3	2	2
PL.19442	PL.20056	C	#4 ACSR	7.36Y	122.6	0.00	2.37	0.28	0	2	0	100	0.00	0.0	10.705	0.175	2	0	1	1
PL.20023	PL.19447	C	6 A (CWC)	7.37Y	122.8	0.01	2.22	3.92	3	28	6	98	0.00	0.0	9.798	0.101	10	2	1	3
PL.20024	PL.20023	C	6 A (CWC)	7.37Y	122.8	0.01	2.23	2.52	2	18	4	98	0.00	0.0	9.878	0.080	2	1	1	2
PL.20025	PL.20024	C	6 A (CWC)	7.37Y	122.8	0.01	2.24	2.19	2	16	4	97	0.00	0.0	10.014	0.136	16	4	1	1
PL.19635	PL.20016	ABC	#1/0 ACSR	7.38Y	122.9	0.01	2.08	2.77	1	55	27	90	0.00	0.0	9.503	0.132	0	0	0	3
PL.19734	PL.19635	ABC	#1/0 ACSR	7.38Y	122.9	0.00	2.08	2.77	1	55	27	90	0.00	0.0	9.582	0.079	0	0	0	3
PL.19444	PL.19734	ABC	#3/0 ACSR	7.37Y	122.9	0.00	2.08	2.77	1	55	27	90	0.00	0.0	9.630	0.049	0	0	0	3
PL.19445	PL.19444	ABC	#3/0 ACSR	7.37Y	122.9	0.00	2.08	2.08	1	41	20	90	0.00	0.0	9.716	0.086	41	20	1	1
PL.19443	PL.19444	ABC	#1/0 ACSR	7.37Y	122.9	0.00	2.08	0.70	0	14	7	89	0.00	0.0	9.747	0.117	0	0	0	2
PL.19735	PL.19443	ABC	#1/0 ACSR	7.37Y	122.9	0.00	2.09	0.70	0	14	7	89	0.00	0.0	9.838	0.090	0	0	0	2
PL.19736	PL.19735	ABC	#1/0 ACSR	7.37Y	122.9	0.00	2.09	0.70	0	14	7	89	0.00	0.0	9.909	0.071	0	0	0	2
PL.20458	PL.19736	A	6 A (CWC)	7.37Y	122.9	0.00	2.09	0.07	0	1	0	100	0.00	0.0	9.913	0.004	0	0	0	1
PD.2942	PL.20458	A	20T	7.37Y	122.9	0.00	2.09	0.07	0	1	0	100	0.00	0.0	9.913	0.004	0	0	0	1
PL.20459	PD.2942	A	6 A (CWC)	7.37Y	122.9	0.00	2.09	0.07	0	1	0	100	0.00	0.0	10.012	0.099	0	0	0	1
PL.19981	PL.20459	A	6 A (CWC)	7.37Y	122.9	0.00	2.09	0.07	0	1	0	100	0.00	0.0	10.099	0.088	1	0	1	1
PL.19446	PL.19981	A	#2 ACSR	7.37Y	122.9	0.00	2.09	0.00	0	0	0	100	0.00	0.0	10.198	0.098	0	0	0	0
PL.19737	PL.19446	A	#2 ACSR	7.37Y	122.9	0.00	2.09	0.00	0	0	0	100	0.00	0.0	10.304	0.107	0	0	0	0
PL.19738	PL.19737	A	#2 ACSR	7.37Y	122.9	0.00	2.09	0.00	0	0	0	100	0.00	0.0	10.354	0.050	0	0	0	0
PL.19636	PL.19736	ABC	#1/0 ACSR	7.37Y	122.9	0.00	2.09	0.67	0	13	6	91	0.00	0.0	9.997	0.089	0	0	0	1
PL.19739	PL.19636	ABC	#1/0 ACSR	7.37Y	122.9	0.00	2.09	0.67	0	13	6	91	0.00	0.0	10.157	0.160	13	6	1	1
PL.19404	PL.19822	A	6 A (CWC)	7.38Y	122.9	0.00	2.05	11.39	8	82	19	97	0.00	0.0	9.198	0.005	0	0	0	26
PD.2842	PL.19404	A	50L	7.38Y	122.9	0.00	2.05	11.39	23	82	19	97	0.00	0.0	9.198	0.005	0	0	0	26
PL.19637	PD.2842	A	6 A (CWC)	7.38Y	122.9	0.00	2.05	0.00	0	0	0	100	0.00	0.0	9.241	0.043	0	0	0	0

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Balanced Voltage Drop Report
Source: Beattyville

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.19818	PD.2842	A	6 A (CWC)	7.38Y	122.9	0.01	2.06	11.39	8	82	19	97	0.00	0.0	9.208	0.010	0	0	0	26
PL.19819	PL.19818	A	6 A (CWC)	7.38Y	122.9	0.00	2.06	11.39	8	82	19	97	0.00	0.0	9.208	0.000	0	0	0	26
PL.19405	PL.19819	A	6 A (CWC)	7.37Y	122.9	0.05	2.10	11.39	8	82	19	97	0.03	0.0	9.297	0.089	0	0	0	26
PL.19423	PL.19405	A	6 A (CWC)	7.37Y	122.8	0.06	2.16	10.86	8	78	18	97	0.03	0.0	9.418	0.121	0	0	0	24
PL.19730	PL.19423	A	6 A (CWC)	7.37Y	122.8	0.05	2.21	10.86	8	78	18	97	0.03	0.0	9.515	0.097	0	0	0	24
PL.19979	PL.19730	A	6 A (CWC)	7.36Y	122.7	0.04	2.25	9.91	7	71	16	98	0.02	0.0	9.613	0.098	6	1	1	22
PL.19980	PL.19979	A	6 A (CWC)	7.36Y	122.7	0.04	2.29	9.08	6	65	15	97	0.02	0.0	9.704	0.091	0	0	0	21
PL.19427	PL.19980	A	#1/0 ACSR	7.36Y	122.7	0.00	2.29	0.19	0	1	0	100	0.00	0.0	9.785	0.081	1	0	1	1
PL.19428	PL.19980	A	6 A (CWC)	7.36Y	122.7	0.04	2.33	8.90	6	64	15	97	0.02	0.0	9.802	0.099	0	0	0	20
PL.19977	PL.19428	A	6 A (CWC)	7.36Y	122.6	0.05	2.37	8.90	6	64	15	97	0.02	0.0	9.918	0.116	3	1	1	20
PL.19978	PL.19977	A	6 A (CWC)	7.36Y	122.6	0.03	2.40	8.52	6	61	14	97	0.01	0.0	9.987	0.069	0	0	0	19
PL.19815	PL.19978	A	6 A (CWC)	7.35Y	122.6	0.03	2.43	8.08	6	58	13	98	0.01	0.0	10.077	0.090	1	0	1	18
PL.19975	PL.19815	A	6 A (CWC)	7.35Y	122.5	0.05	2.49	7.14	5	51	12	97	0.02	0.0	10.244	0.167	0	0	0	14
PL.19976	PL.19975	A	6 A (CWC)	7.35Y	122.5	0.02	2.51	7.14	5	51	12	97	0.01	0.0	10.309	0.065	0	0	0	14
PL.19432	PL.19976	A	#4 ACSR	7.35Y	122.5	0.00	2.51	0.41	0	3	1	95	0.00	0.0	10.462	0.154	3	1	1	1
PL.19433	PL.19976	A	#4 ACSR	7.35Y	122.5	0.00	2.51	0.00	0	0	0	100	0.00	0.0	10.338	0.029	0	0	0	0
PL.19639	PL.19976	A	6 A (CWC)	7.35Y	122.5	0.03	2.54	6.73	5	48	11	97	0.01	0.0	10.402	0.093	0	0	0	13
PL.32669	PL.19639	A	6 A (CWC)	7.35Y	122.5	0.00	2.54	3.47	2	25	6	97	0.00	0.0	10.405	0.003	0	0	0	8
PD.4887	PL.32669	A	30T	7.35Y	122.5	0.00	2.54	3.47	0	25	6	97	0.00	0.0	10.405	0.003	0	0	0	8
PL.32670	PD.4887	A	6 A (CWC)	7.35Y	122.4	0.02	2.55	3.47	2	25	6	97	0.00	0.0	10.509	0.104	0	0	0	8
PL.19732	PL.32670	A	6 A (CWC)	7.35Y	122.4	0.02	2.57	3.47	2	25	6	97	0.00	0.0	10.637	0.128	0	0	0	8
PL.19973	PL.19732	A	6 A (CWC)	7.35Y	122.4	0.01	2.58	3.06	2	22	5	98	0.00	0.0	10.691	0.053	1	0	1	6
PL.19974	PL.19973	A	6 A (CWC)	7.34Y	122.4	0.01	2.59	2.92	2	21	5	97	0.00	0.0	10.782	0.091	0	0	0	5
PL.19438	PL.19974	A	6 A (CWC)	7.34Y	122.4	0.00	2.59	0.84	1	6	1	99	0.00	0.0	10.864	0.082	6	1	1	1
PL.19642	PL.19974	A	6 A (CWC)	7.34Y	122.4	0.01	2.60	2.07	1	15	3	98	0.00	0.0	10.905	0.123	0	0	0	4
PL.19643	PL.19642	A	6 A (CWC)	7.34Y	122.4	0.01	2.61	1.83	1	13	3	97	0.00	0.0	11.003	0.098	0	0	0	3
PL.19440	PL.19643	A	6 A (CWC)	7.34Y	122.4	0.01	2.62	1.83	1	13	3	97	0.00	0.0	11.144	0.141	0	0	0	3
PL.19458	PL.19440	A	#4 ACSR	7.34Y	122.4	0.00	2.63	1.83	1	13	3	97	0.00	0.0	11.179	0.035	0	0	0	3
PL.19645	PL.19458	A	#4 ACSR	7.34Y	122.4	0.00	2.63	1.11	1	8	2	97	0.00	0.0	11.320	0.141	8	2	1	1
PL.19441	PL.19458	A	#2 ACSR	7.34Y	122.4	0.00	2.63	0.72	0	5	1	98	0.00	0.0	11.262	0.083	5	1	2	2
PL.19644	PL.19643	A	6 A (CWC)	7.34Y	122.4	0.00	2.61	0.00	0	0	0	100	0.00	0.0	11.060	0.057	0	0	0	0

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Balanced Voltage Drop Report
Source: Beattyville

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.19439	PL.19642	A	#4 ACSR	7.34Y	122.4	0.00	2.60	0.24	0	2	0	100	0.00	0.0	10.997	0.092	2	0	1	1
PL.32671	PL.19732	A	6 A (CWC)	7.35Y	122.4	0.00	2.57	0.41	0	3	1	95	0.00	0.0	10.640	0.003	0	0	0	2
PD.4888	PL.32671	A	15T	7.35Y	122.4	0.00	2.57	0.41	0	3	1	95	0.00	0.0	10.640	0.003	0	0	0	2
PL.32672	PD.4888	A	6 A (CWC)	7.35Y	122.4	0.00	2.57	0.41	0	3	1	95	0.00	0.0	10.745	0.105	1	0	1	2
PL.19457	PL.32672	A	#4 ACSR	7.35Y	122.4	0.00	2.58	0.31	0	2	1	89	0.00	0.0	10.833	0.088	0	0	0	1
PL.19733	PL.19457	A	#4 ACSR	7.35Y	122.4	0.00	2.58	0.31	0	2	1	89	0.00	0.0	10.937	0.104	2	1	1	1
PL.32667	PL.19639	A	6 A (CWC)	7.35Y	122.5	0.00	2.54	3.11	2	22	5	98	0.00	0.0	10.404	0.002	0	0	0	4
PD.4886	PL.32667	A	20T	7.35Y	122.5	0.00	2.54	3.11	0	22	5	98	0.00	0.0	10.404	0.002	0	0	0	4
PL.32668	PD.4886	A	6 A (CWC)	7.35Y	122.4	0.02	2.56	3.11	2	22	5	98	0.00	0.0	10.550	0.146	0	0	0	4
PL.19641	PL.32668	A	6 A (CWC)	7.35Y	122.4	0.00	2.56	0.66	0	5	1	98	0.00	0.0	10.592	0.042	5	1	1	1
PL.19436	PL.32668	A	#2 ACSR	7.35Y	122.4	0.00	2.56	2.44	1	17	4	97	0.00	0.0	10.625	0.075	17	4	3	3
PL.19648	PL.19436	A	#1/0 ACSR	7.35Y	122.4	0.00	2.56	0.00	0	0	0	100	0.00	0.0	10.664	0.039	0	0	0	0
PL.19434	PL.19639	A	#4 ACSR	7.35Y	122.5	0.00	2.54	0.15	0	1	0	100	0.00	0.0	10.457	0.055	1	0	1	1
PL.19430	PL.19815	A	6 A (CWC)	7.35Y	122.6	0.00	2.43	0.09	0	1	0	100	0.00	0.0	10.160	0.083	1	0	1	1
PL.19431	PL.19815	A	#4 ACSR	7.35Y	122.6	0.00	2.43	0.68	1	5	1	98	0.00	0.0	10.201	0.124	5	1	1	2
PL.19456	PL.19431	A	#1/0 ACSR	7.35Y	122.6	0.00	2.43	0.01	0	0	0	100	0.00	0.0	10.279	0.078	0	0	1	1
PL.19429	PL.19978	A	6 A (CWC)	7.36Y	122.6	0.00	2.40	0.44	0	3	1	95	0.00	0.0	10.093	0.105	0	0	0	1
PL.19731	PL.19429	A	6 A (CWC)	7.36Y	122.6	0.00	2.40	0.44	0	3	1	95	0.00	0.0	10.193	0.100	0	0	0	1
PL.19455	PL.19731	A	#4 ACSR	7.36Y	122.6	0.00	2.40	0.44	0	3	1	95	0.00	0.0	10.255	0.062	3	1	1	1
PL.19426	PL.19730	A	#4 ACSR	7.37Y	122.8	0.00	2.21	0.95	1	7	2	96	0.00	0.0	9.587	0.072	7	2	2	2
PL.32665	PL.19405	A	6 A (CWC)	7.37Y	122.9	0.00	2.10	0.54	0	4	1	97	0.00	0.0	9.303	0.007	0	0	0	2
PD.4885	PL.32665	A	20T	7.37Y	122.9	0.00	2.10	0.54	0	4	1	97	0.00	0.0	9.303	0.007	0	0	0	2
PL.32666	PD.4885	A	6 A (CWC)	7.37Y	122.9	0.00	2.11	0.54	0	4	1	97	0.00	0.0	9.408	0.105	0	0	0	2
PL.19728	PL.32666	A	6 A (CWC)	7.37Y	122.9	0.00	2.11	0.54	0	4	1	97	0.00	0.0	9.507	0.099	1	0	1	2
PL.19425	PL.19728	A	#1/0 ACSR	7.37Y	122.9	0.00	2.11	0.44	0	3	1	95	0.00	0.0	9.603	0.096	3	1	1	1
PL.19424	PL.19728	A	6 A (CWC)	7.37Y	122.9	0.00	2.11	0.00	0	0	0	100	0.00	0.0	9.604	0.096	0	0	0	0
PL.19729	PL.19424	A	6 A (CWC)	7.37Y	122.9	0.00	2.11	0.00	0	0	0	100	0.00	0.0	9.768	0.164	0	0	0	0
PL.20486	PL.20019	A	6 A (CWC)	7.37Y	122.9	0.13	2.12	17.90	13	129	30	97	0.13	0.1	9.048	0.161	0	0	0	45
PD.2958	PL.20486	A	50L	7.37Y	122.9	0.00	2.12	17.90	36	129	30	97	0.00	0.0	9.048	0.161	0	0	0	45
PL.20487	PD.2958	A	6 A (CWC)	7.37Y	122.8	0.09	2.21	17.90	13	129	30	97	0.09	0.1	9.158	0.110	0	0	0	45
PL.20012	PL.20487	A	6 A (CWC)	7.36Y	122.7	0.12	2.33	17.90	13	129	30	97	0.12	0.1	9.306	0.148	0	0	0	45

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

Balanced Voltage Drop Report
Source: Beattyville

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.20010	PL.20012	A	6 A (CWC)	7.36Y	122.6	0.05	2.38	16.51	12	118	27	97	0.05	0.0	9.377	0.070	0	0	1	42
PL.20011	PL.20010	A	6 A (CWC)	7.35Y	122.5	0.07	2.45	16.51	12	118	27	97	0.06	0.1	9.470	0.094	0	0	0	41
PL.19392	PL.20011	A	#4 ACSR	7.35Y	122.5	0.00	2.45	0.21	0	2	0	100	0.00	0.0	9.515	0.045	2	0	2	2
PL.20003	PL.20011	A	6 A (CWC)	7.35Y	122.5	0.07	2.52	15.87	11	114	26	97	0.05	0.0	9.565	0.094	7	2	1	36
PL.20004	PL.20003	A	6 A (CWC)	7.34Y	122.4	0.12	2.63	14.82	11	106	24	98	0.09	0.1	9.737	0.172	0	0	0	35
PL.19393	PL.20004	A	#4 ACSR	7.34Y	122.4	0.00	2.63	0.10	0	1	0	100	0.00	0.0	9.783	0.046	1	0	1	1
PL.19326	PL.20004	A	6 A (CWC)	7.34Y	122.3	0.05	2.68	14.72	11	105	24	97	0.04	0.0	9.812	0.076	0	0	0	34
PL.19410	PL.19326	A	6 A (CWC)	7.34Y	122.3	0.06	2.75	9.71	7	69	16	97	0.03	0.0	9.960	0.148	0	0	0	21
PL.20005	PL.19410	A	6 A (CWC)	7.33Y	122.2	0.05	2.79	9.58	7	68	16	97	0.02	0.0	10.074	0.114	3	1	3	20
PL.20006	PL.20005	A	6 A (CWC)	7.33Y	122.2	0.05	2.84	9.20	7	66	15	98	0.02	0.0	10.183	0.109	0	0	0	17
PL.20033	PL.20006	A	6 A (CWC)	7.33Y	122.1	0.04	2.88	9.20	7	66	15	98	0.02	0.0	10.290	0.107	8	2	1	17
PL.20034	PL.20033	A	6 A (CWC)	7.33Y	122.1	0.02	2.90	8.01	6	57	13	97	0.01	0.0	10.336	0.046	8	2	1	16
PL.20035	PL.20034	A	6 A (CWC)	7.32Y	122.1	0.05	2.94	6.91	5	49	11	98	0.02	0.0	10.485	0.149	0	0	0	15
PL.19719	PL.20035	A	6 A (CWC)	7.32Y	122.0	0.02	2.96	6.91	5	49	11	98	0.01	0.0	10.541	0.056	0	0	0	15
PL.20036	PL.19719	A	6 A (CWC)	7.32Y	122.0	0.05	3.01	6.51	5	46	11	97	0.02	0.0	10.727	0.185	2	0	1	14
PL.20037	PL.20036	A	6 A (CWC)	7.32Y	122.0	0.02	3.03	6.26	4	45	10	98	0.01	0.0	10.795	0.069	0	0	0	13
PL.20038	PL.20037	A	#4 ACSR	7.32Y	122.0	0.00	3.04	1.65	1	12	3	97	0.00	0.0	10.850	0.054	0	0	0	3
PL.20039	PL.20038	A	#4 ACSR	7.32Y	122.0	0.01	3.05	1.65	1	12	3	97	0.00	0.0	11.015	0.166	2	0	1	3
PL.19420	PL.20039	A	#1/0 ACSR	7.32Y	122.0	0.00	3.05	1.05	0	7	2	96	0.00	0.0	11.051	0.035	7	2	1	1
PL.19895	PL.20039	A	#4 ACSR	7.32Y	121.9	0.00	3.05	0.38	0	3	1	95	0.00	0.0	11.140	0.124	0	0	0	1
PL.19464	PL.19895	A	#4 ACSR	7.32Y	121.9	0.00	3.05	0.38	0	3	1	95	0.00	0.0	11.171	0.031	3	1	1	1
PL.19893	PL.20037	A	6 A (CWC)	7.32Y	121.9	0.03	3.07	4.61	3	33	7	98	0.01	0.0	10.955	0.160	2	0	1	10
PL.32663	PL.19893	A	6 A (CWC)	7.32Y	121.9	0.00	3.07	4.02	3	29	7	97	0.00	0.0	10.959	0.004	0	0	0	8
PD.4884	PL.32663	A	30T	7.32Y	121.9	0.00	3.07	4.02	0	29	7	97	0.00	0.0	10.959	0.004	0	0	0	8
PL.32664	PD.4884	A	6 A (CWC)	7.32Y	121.9	0.01	3.08	4.02	3	29	7	97	0.00	0.0	11.019	0.060	0	0	0	8
PL.20041	PL.32664	A	6 A (CWC)	7.31Y	121.9	0.03	3.11	4.02	3	29	7	97	0.01	0.0	11.176	0.156	0	0	0	8
PL.19722	PL.20041	A	6 A (CWC)	7.31Y	121.9	0.01	3.11	4.02	3	29	7	97	0.00	0.0	11.213	0.037	0	0	0	8
PL.19465	PL.19722	A	6 A (CWC)	7.31Y	121.9	0.01	3.13	4.02	3	29	7	97	0.00	0.0	11.288	0.075	2	0	1	8
PL.20042	PL.19465	A	#4 ACSR	7.31Y	121.9	0.01	3.14	3.72	3	27	6	98	0.00	0.0	11.380	0.092	7	2	1	7
PL.20255	PL.20042	A	#4 ACSR	7.31Y	121.9	0.00	3.14	2.71	2	19	4	98	0.00	0.0	11.425	0.045	6	1	2	6
PL.20256	PL.20255	A	#4 ACSR	7.31Y	121.9	0.00	3.15	1.88	1	13	3	97	0.00	0.0	11.467	0.042	4	1	1	4

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Balanced Voltage Drop Report
Source: Beattyville

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.20044	PL.20256	A	#4 ACSR	7.31Y	121.9	0.00	3.15	1.27	1	9	2	98	0.00	0.0	11.524	0.057	7	2	1	3
PL.20045	PL.20044	A	#4 ACSR	7.31Y	121.9	0.00	3.15	0.24	0	2	0	100	0.00	0.0	11.596	0.072	1	0	1	2
PL.19422	PL.20045	A	#4 ACSR	7.31Y	121.9	0.00	3.15	0.10	0	1	0	100	0.00	0.0	11.650	0.054	1	0	1	1
PL.19421	PL.19893	A	#4 ACSR	7.32Y	121.9	0.00	3.07	0.37	0	3	1	95	0.00	0.0	11.041	0.085	3	1	1	1
PL.32661	PL.19719	A	6 A (CWC)	7.32Y	122.0	0.00	2.96	0.40	0	3	1	95	0.00	0.0	10.547	0.006	0	0	0	1
PD.4883	PL.32661	A	20T	7.32Y	122.0	0.00	2.96	0.40	0	3	1	95	0.00	0.0	10.547	0.006	0	0	0	1
PL.32662	PD.4883	A	6 A (CWC)	7.32Y	122.0	0.00	2.96	0.40	0	3	1	95	0.00	0.0	10.706	0.159	0	0	0	1
PL.19720	PL.32662	A	6 A (CWC)	7.32Y	122.0	0.00	2.97	0.40	0	3	1	95	0.00	0.0	10.832	0.126	0	0	0	1
PL.19789	PL.19720	A	6 A (CWC)	7.32Y	122.0	0.00	2.97	0.40	0	3	1	95	0.00	0.0	10.918	0.086	0	0	0	1
PL.19463	PL.19789	A	#2 ACSR	7.32Y	122.0	0.00	2.97	0.40	0	3	1	95	0.00	0.0	11.036	0.118	0	0	0	1
PL.19721	PL.19463	A	#2 ACSR	7.32Y	122.0	0.00	2.97	0.40	0	3	1	95	0.00	0.0	11.116	0.081	3	1	1	1
PL.19462	PL.19410	A	6 A (CWC)	7.34Y	122.3	0.00	2.75	0.13	0	1	0	100	0.00	0.0	10.021	0.061	1	0	1	1
PL.20333	PL.19326	A	6 A (CWC)	7.34Y	122.3	0.03	2.71	5.01	4	36	8	98	0.01	0.0	9.927	0.115	0	0	0	13
PD.2849	PL.20333	A	30T	7.34Y	122.3	0.00	2.71	5.01	0	36	8	98	0.00	0.0	9.927	0.115	0	0	0	13
PL.20334	PD.2849	A	6 A (CWC)	7.34Y	122.3	0.03	2.74	5.01	4	36	8	98	0.01	0.0	10.074	0.147	0	0	0	13
PL.19723	PL.20334	A	6 A (CWC)	7.33Y	122.2	0.02	2.77	5.01	4	36	8	98	0.01	0.0	10.183	0.109	0	0	0	13
PL.19477	PL.19723	A	6 A (CWC)	7.33Y	122.2	0.03	2.80	5.01	4	36	8	98	0.01	0.0	10.330	0.147	0	0	0	13
PL.19411	PL.19477	A	6 A (CWC)	7.33Y	122.2	0.02	2.82	2.83	2	20	5	97	0.00	0.0	10.482	0.152	0	0	0	10
PL.19327	PL.19411	A	6 A (CWC)	7.33Y	122.2	0.01	2.83	1.86	1	13	3	97	0.00	0.0	10.662	0.180	10	2	2	7
PL.20473	PL.19327	A	6 A (CWC)	7.33Y	122.2	0.00	2.83	0.00	0	0	0	100	0.00	0.0	10.667	0.005	0	0	0	0
PD.2950-B	PL.20473	A	Open	7.33Y	122.2	0.00	2.83	0.00	0	0	0	100	0.00	0.0	10.667	0.005	0	0	0	0
PL.32659	PL.19327	A	6 A (CWC)	7.33Y	122.2	0.00	2.83	0.43	0	3	1	95	0.00	0.0	10.750	0.088	0	0	0	5
PD.4882	PL.32659	A	20T	7.33Y	122.2	0.00	2.83	0.43	0	3	1	95	0.00	0.0	10.750	0.088	0	0	0	5
PL.32660	PD.4882	A	6 A (CWC)	7.33Y	122.2	0.00	2.83	0.43	0	3	1	95	0.00	0.0	10.810	0.060	3	1	1	5
PL.19829	PL.32660	A	6 A (CWC)	7.33Y	122.2	0.00	2.83	0.02	0	0	0	100	0.00	0.0	10.912	0.101	0	0	0	2
PL.19724	PL.19829	A	6 A (CWC)	7.33Y	122.2	0.00	2.83	0.02	0	0	0	100	0.00	0.0	11.005	0.093	0	0	0	2
PL.19414	PL.19724	A	6 A (CWC)	7.33Y	122.2	0.00	2.83	0.02	0	0	0	100	0.00	0.0	11.169	0.164	0	0	0	2
PL.19725	PL.19414	A	6 A (CWC)	7.33Y	122.2	0.00	2.83	0.02	0	0	0	100	0.00	0.0	11.224	0.055	0	0	0	2
PL.19726	PL.19725	A	6 A (CWC)	7.33Y	122.2	0.00	2.83	0.02	0	0	0	100	0.00	0.0	11.359	0.134	0	0	0	2
PL.19415	PL.19726	A	#4 ACSR	7.33Y	122.2	0.00	2.83	0.02	0	0	0	100	0.00	0.0	11.456	0.097	0	0	0	2
PL.19416	PL.19415	A	#4 ACSR	7.33Y	122.2	0.00	2.83	0.00	0	0	0	100	0.00	0.0	11.522	0.066	0	0	0	0

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Balanced Voltage Drop Report
Source: Beattyville

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.19627	PL.19415	A	#4 ACSR	7.33Y	122.2	0.00	2.83	0.02	0	0	0	100	0.00	0.0	11.565	0.109	0	0	0	2
PL.19727	PL.19627	A	#4 ACSR	7.33Y	122.2	0.00	2.83	0.02	0	0	0	100	0.00	0.0	11.716	0.151	0	0	1	2
PL.19982	PL.19727	A	#2 ACSR	7.33Y	122.2	0.00	2.83	0.00	0	0	0	100	0.00	0.0	11.777	0.061	0	0	1	1
PL.19983	PL.19982	A	#2 ACSR	7.33Y	122.2	0.00	2.83	0.00	0	0	0	100	0.00	0.0	11.845	0.068	0	0	0	0
PL.19417	PL.19727	A	#2 ACSR	7.33Y	122.2	0.00	2.83	0.00	0	0	0	100	0.00	0.0	11.758	0.042	0	0	0	0
PL.19413	PL.32660	A	#1/0 ACSR	7.33Y	122.2	0.00	2.83	0.00	0	0	0	100	0.00	0.0	10.837	0.026	0	0	2	2
PL.19408	PL.19411	A	6 A (CWC)	7.33Y	122.2	0.01	2.82	0.96	1	7	2	96	0.00	0.0	10.636	0.155	3	1	1	3
PL.19409	PL.19408	A	6 A (CWC)	7.33Y	122.2	0.00	2.83	0.52	0	4	1	97	0.00	0.0	10.722	0.085	0	0	1	2
PL.19459	PL.19409	A	#4 ACSR	7.33Y	122.2	0.00	2.83	0.52	0	4	1	97	0.00	0.0	10.767	0.045	4	1	1	1
PL.19407	PL.19477	A	#2 ACSR	7.33Y	122.2	0.00	2.80	1.55	1	11	3	96	0.00	0.0	10.433	0.104	11	3	2	2
PL.19406	PL.19477	A	#1/0 ACSR	7.33Y	122.2	0.00	2.80	0.63	0	5	1	98	0.00	0.0	10.462	0.132	5	1	1	1
PL.32657	PL.20011	A	#4 ACSR	7.35Y	122.5	0.00	2.45	0.43	0	3	1	95	0.00	0.0	9.474	0.004	0	0	0	3
PD.4881	PL.32657	A	20T	7.35Y	122.5	0.00	2.45	0.43	0	3	1	95	0.00	0.0	9.474	0.004	0	0	0	3
PL.32658	PD.4881	A	#4 ACSR	7.35Y	122.5	0.00	2.45	0.43	0	3	1	95	0.00	0.0	9.587	0.113	0	0	1	3
PL.20014	PL.32658	A	#4 ACSR	7.35Y	122.5	0.00	2.46	0.40	0	3	1	95	0.00	0.0	9.699	0.112	0	0	0	2
PL.19478	PL.20014	A	#4 ACSR	7.35Y	122.5	0.00	2.46	0.40	0	3	1	95	0.00	0.0	9.781	0.081	0	0	0	2
PL.20026	PL.19478	A	#4 ACSR	7.35Y	122.5	0.00	2.46	0.40	0	3	1	95	0.00	0.0	9.896	0.116	2	0	1	2
PL.20027	PL.20026	A	#4 ACSR	7.35Y	122.5	0.00	2.46	0.10	0	1	0	100	0.00	0.0	9.935	0.039	1	0	1	1
PL.20008	PL.20012	A	6 A (CWC)	7.36Y	122.7	0.00	2.33	1.39	1	10	2	98	0.00	0.0	9.376	0.070	3	1	1	3
PL.20009	PL.20008	A	6 A (CWC)	7.36Y	122.7	0.00	2.33	0.92	1	7	1	99	0.00	0.0	9.426	0.050	7	1	1	2
PL.20007	PL.20009	A	6 A (CWC)	7.36Y	122.7	0.00	2.33	0.00	0	0	0	100	0.00	0.0	9.569	0.144	0	0	0	1
PL.19718	PL.20007	A	6 A (CWC)	7.36Y	122.7	0.00	2.33	0.00	0	0	0	100	0.00	0.0	9.628	0.059	0	0	1	1
PL.20325	PL.19479	A	#1/0 ACSR	7.39Y	123.1	0.00	1.90	0.28	0	2	0	100	0.00	0.0	8.616	0.005	0	0	0	1
PD.2845	PL.20325	A	20T	7.39Y	123.1	0.00	1.90	0.28	0	2	0	100	0.00	0.0	8.616	0.005	0	0	0	1
PL.20326	PD.2845	A	#1/0 ACSR	7.39Y	123.1	0.00	1.90	0.28	0	2	0	100	0.00	0.0	8.746	0.130	2	0	1	1
PL.20327	PL.20032	A	#2 ACSR	7.40Y	123.3	0.00	1.73	0.00	0	0	0	100	0.00	0.0	8.074	0.004	0	0	0	0
PD.2846	PL.20327	A	20T	7.40Y	123.3	0.00	1.73	0.00	0	0	0	100	0.00	0.0	8.074	0.004	0	0	0	0
PL.20328	PD.2846	A	#2 ACSR	7.40Y	123.3	0.00	1.73	0.00	0	0	0	100	0.00	0.0	8.114	0.040	0	0	0	0
PL.20329	PL.19310	C	6 A (CWC)	7.40Y	123.3	0.00	1.68	0.00	0	0	0	100	0.00	0.0	7.914	0.005	0	0	0	0
PD.2847	PL.20329	C	20T	7.40Y	123.3	0.00	1.68	0.00	0	0	0	100	0.00	0.0	7.914	0.005	0	0	0	0
PL.20330	PD.2847	C	6 A (CWC)	7.40Y	123.3	0.00	1.68	0.00	0	0	0	100	0.00	0.0	8.062	0.148	0	0	0	0

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Balanced Voltage Drop Report
Source: Beattyville

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.20456	PL.19716	A	6 A (CWC)	7.40Y	123.3	0.00	1.66	4.31	3	31	7	98	0.00	0.0	7.851	0.005	0	0	0	7
PD.2940	PL.20456	A	20T	7.40Y	123.3	0.00	1.66	4.31	0	31	7	98	0.00	0.0	7.851	0.005	0	0	0	7
PL.20457	PD.2940	A	6 A (CWC)	7.40Y	123.3	0.01	1.67	4.31	3	31	7	98	0.00	0.0	7.927	0.076	0	0	0	7
PL.20043	PL.20457	A	6 A (CWC)	7.40Y	123.3	0.01	1.68	4.31	3	31	7	98	0.00	0.0	8.006	0.079	12	3	2	7
PL.19388	PL.20043	A	6 A (CWC)	7.40Y	123.3	0.02	1.70	2.59	2	19	4	98	0.00	0.0	8.180	0.174	0	0	0	5
PL.19717	PL.19388	A	6 A (CWC)	7.40Y	123.3	0.02	1.72	2.59	2	19	4	98	0.00	0.0	8.345	0.165	2	0	1	5
PL.19449	PL.19717	A	#4 ACSR	7.40Y	123.3	0.01	1.73	2.29	2	17	4	97	0.00	0.0	8.399	0.054	0	0	0	4
PL.19389	PL.19449	A	#4 ACSR	7.40Y	123.3	0.00	1.73	1.20	1	9	2	98	0.00	0.0	8.451	0.052	9	2	3	3
PL.19390	PL.19449	A	#4 ACSR	7.40Y	123.3	0.00	1.73	1.08	1	8	2	97	0.00	0.0	8.456	0.057	8	2	1	1
PL.20426	PL.19888	B	#4 ACSR	7.41Y	123.6	0.00	1.44	0.16	0	1	0	100	0.00	0.0	7.280	0.023	0	0	0	2
PD.2924	PL.20426	B	25T	7.41Y	123.6	0.00	1.44	0.16	0	1	0	100	0.00	0.0	7.280	0.023	0	0	0	2
PL.20427	PD.2924	B	#4 ACSR	7.41Y	123.6	0.00	1.44	0.16	0	1	0	100	0.00	0.0	7.316	0.035	1	0	2	2
PL.19834	PL.19888	B	6 A (CWC)	7.41Y	123.5	0.09	1.53	18.63	13	135	31	97	0.09	0.1	7.366	0.109	2	0	1	32
PL.19835	PL.19834	B	6 A (CWC)	7.40Y	123.4	0.09	1.62	18.18	13	131	30	97	0.09	0.1	7.473	0.107	0	0	0	30
PL.19710	PL.19835	B	6 A (CWC)	7.40Y	123.3	0.08	1.70	18.18	13	131	30	97	0.08	0.1	7.572	0.099	0	0	0	30
PL.19386	PL.19710	B	#4 ACSR	7.40Y	123.3	0.00	1.70	0.00	0	0	0	100	0.00	0.0	7.606	0.034	0	0	0	0
PL.19321	PL.19710	B	6 A (CWC)	7.39Y	123.2	0.09	1.79	18.09	13	130	30	97	0.08	0.1	7.677	0.104	0	0	0	29
PL.19322	PL.19321	B	6 A (CWC)	7.39Y	123.2	0.05	1.84	16.49	12	119	27	98	0.04	0.0	7.747	0.070	10	2	1	27
PL.20337	PL.19322	B	#1/0 ACSR	7.39Y	123.2	0.00	1.84	1.37	1	10	2	98	0.00	0.0	7.808	0.061	0	0	0	1
PD.2853	PL.20337	B	20T	7.39Y	123.2	0.00	1.84	1.37	0	10	2	98	0.00	0.0	7.808	0.061	0	0	0	1
PL.20338	PD.2853	B	#1/0 ACSR	7.39Y	123.2	0.00	1.84	1.37	1	10	2	98	0.00	0.0	7.915	0.107	0	0	0	1
PL.19711	PL.20338	B	#1/0 ACSR	7.39Y	123.2	0.00	1.85	1.37	1	10	2	98	0.00	0.0	8.029	0.113	0	0	0	1
PL.19712	PL.19711	B	#1/0 ACSR	7.39Y	123.2	0.00	1.85	1.37	1	10	2	98	0.00	0.0	8.142	0.113	10	2	1	1
PL.19377	PL.19322	B	6 A (CWC)	7.39Y	123.1	0.07	1.91	13.75	10	99	23	97	0.05	0.1	7.860	0.113	0	0	0	25
PL.20075	PL.19377	B	6 A (CWC)	7.38Y	123.0	0.05	1.95	12.81	9	92	21	97	0.03	0.0	7.943	0.083	4	1	2	24
PL.20076	PL.20075	B	6 A (CWC)	7.38Y	123.0	0.05	2.00	12.21	9	88	20	98	0.03	0.0	8.036	0.093	0	0	0	22
PL.20077	PL.20076	B	#4 ACSR	7.38Y	123.0	0.02	2.02	2.59	2	19	4	98	0.00	0.0	8.194	0.158	5	1	1	3
PL.20078	PL.20077	B	#4 ACSR	7.38Y	123.0	0.00	2.02	1.84	1	13	3	97	0.00	0.0	8.235	0.041	13	3	2	2
PL.19830	PL.20076	B	6 A (CWC)	7.38Y	123.0	0.04	2.05	9.62	7	69	16	97	0.02	0.0	8.139	0.103	0	0	0	19
PL.19384	PL.19830	B	#4 ACSR	7.38Y	122.9	0.00	2.05	0.83	1	6	1	99	0.00	0.0	8.242	0.103	6	1	1	1
PL.19383	PL.19830	B	#2 ACSR	7.38Y	122.9	0.00	2.05	0.68	0	5	1	98	0.00	0.0	8.205	0.066	5	1	1	1

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Balanced Voltage Drop Report
Source: Beattyville

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.19323	PL.19830	B	6 A (CWC)	7.38Y	122.9	0.02	2.07	8.10	6	58	13	98	0.01	0.0	8.197	0.059	0	0	0	17
PL.19324	PL.19323	B	6 A (CWC)	7.37Y	122.9	0.03	2.10	6.65	5	48	11	97	0.01	0.0	8.288	0.090	0	0	0	13
PL.19713	PL.19324	B	6 A (CWC)	7.37Y	122.9	0.04	2.13	6.65	5	48	11	97	0.01	0.0	8.408	0.120	0	0	0	13
PL.19825	PL.19713	B	6 A (CWC)	7.37Y	122.8	0.02	2.15	6.32	5	45	10	98	0.01	0.0	8.478	0.071	6	1	2	12
PL.19381	PL.19825	B	#4 ACSR	7.37Y	122.8	0.01	2.16	2.09	2	15	3	98	0.00	0.0	8.593	0.115	15	3	4	4
PL.19826	PL.19825	B	6 A (CWC)	7.37Y	122.8	0.02	2.17	3.39	2	24	6	97	0.00	0.0	8.592	0.114	0	0	0	6
PL.19379	PL.19826	B	6 A (CWC)	7.37Y	122.8	0.00	2.17	0.52	0	4	1	97	0.00	0.0	8.690	0.098	4	1	2	2
PL.19378	PL.19826	B	#1/0 ACSR	7.37Y	122.8	0.00	2.17	0.00	0	0	0	100	0.00	0.0	8.693	0.101	0	0	0	0
PL.19325	PL.19826	B	6 A (CWC)	7.37Y	122.8	0.00	2.17	2.87	2	21	5	97	0.00	0.0	8.616	0.024	0	0	0	4
PL.19823	PL.19325	B	6 A (CWC)	7.37Y	122.8	0.01	2.18	2.87	2	21	5	97	0.00	0.0	8.708	0.092	0	0	0	4
PL.19824	PL.19823	B	6 A (CWC)	7.37Y	122.8	0.00	2.19	2.47	2	18	4	98	0.00	0.0	8.730	0.023	18	4	3	3
PL.19380	PL.19823	B	#1/0 ACSR	7.37Y	122.8	0.00	2.19	0.40	0	3	1	95	0.00	0.0	8.754	0.046	3	1	1	1
PL.19382	PL.19713	B	#1/0 ACSR	7.37Y	122.9	0.00	2.13	0.33	0	2	1	89	0.00	0.0	8.435	0.027	2	1	1	1
PL.20079	PL.19323	B	6 A (CWC)	7.38Y	122.9	0.00	2.07	1.46	1	10	2	98	0.00	0.0	8.287	0.090	8	2	2	4
PL.20080	PL.20079	B	6 A (CWC)	7.38Y	122.9	0.00	2.07	0.36	0	3	1	95	0.00	0.0	8.304	0.017	2	0	1	2
PL.19403	PL.20080	B	#1/0 ACSR	7.38Y	122.9	0.00	2.07	0.15	0	1	0	100	0.00	0.0	8.427	0.123	1	0	1	1
PL.19385	PL.19377	B	#4 ACSR	7.39Y	123.1	0.00	1.91	0.94	1	7	2	96	0.00	0.0	7.941	0.081	7	2	1	1
PL.19402	PL.19321	B	#4 ACSR	7.39Y	123.2	0.00	1.79	1.61	1	12	3	97	0.00	0.0	7.743	0.067	3	1	1	2
PL.19401	PL.19402	B	#1/0 ACSR	7.39Y	123.2	0.00	1.79	1.23	1	9	2	98	0.00	0.0	7.779	0.036	9	2	1	1
PL.20335	PL.19710	B	1/0 AL URD	7.40Y	123.3	0.00	1.70	0.08	0	1	0	100	0.00	0.0	7.577	0.005	0	0	0	1
PD.2852	PL.20335	B	20T	7.40Y	123.3	0.00	1.70	0.08	0	1	0	100	0.00	0.0	7.577	0.005	0	0	0	1
PL.20336	PD.2852	B	1/0 AL URD	7.40Y	123.3	0.00	1.70	0.08	0	1	0	100	0.00	0.0	7.677	0.100	1	0	1	1
PL.19387	PL.19834	B	#4 ACSR	7.41Y	123.5	0.00	1.53	0.20	0	1	0	100	0.00	0.0	7.503	0.137	1	0	1	1
PL.20339	PL.20086	A	#4 ACSR	7.42Y	123.6	0.00	1.40	3.53	3	26	6	97	0.00	0.0	7.165	0.005	0	0	0	4
PD.2854	PL.20339	A	20T	7.42Y	123.6	0.00	1.40	3.53	0	26	6	97	0.00	0.0	7.165	0.005	0	0	0	4
PL.20340	PD.2854	A	#4 ACSR	7.42Y	123.6	0.02	1.41	3.53	3	26	6	97	0.00	0.0	7.269	0.104	4	1	1	4
PL.20081	PL.20340	A	#4 ACSR	7.41Y	123.6	0.01	1.42	3.03	2	22	5	98	0.00	0.0	7.363	0.094	0	0	0	3
PL.19837	PL.20081	A	#4 ACSR	7.41Y	123.6	0.02	1.44	3.03	2	22	5	98	0.00	0.0	7.498	0.135	1	0	1	3
PL.19838	PL.19837	A	#4 ACSR	7.41Y	123.6	0.01	1.45	2.85	2	21	5	97	0.00	0.0	7.594	0.096	21	5	1	1
PL.19312	PL.19837	A	#4 ACSR	7.41Y	123.6	0.00	1.44	0.00	0	0	0	100	0.00	0.0	7.632	0.134	0	0	0	1
PL.19313	PL.19312	A	#4 ACSR	7.41Y	123.6	0.00	1.44	0.00	0	0	0	100	0.00	0.0	7.755	0.123	0	0	0	1

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Balanced Voltage Drop Report
Source: Beattyville

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.19709	PL.19313	A	#4 ACSR	7.41Y	123.6	0.00	1.44	0.00	0	0	0	100	0.00	0.0	7.860	0.105	0	0	1	1
PL.19320	PL.19312	A	#4 ACSR	7.41Y	123.6	0.00	1.44	0.00	0	0	0	100	0.00	0.0	7.696	0.064	0	0	0	0
PL.19400	PL.19320	A	#4 ACSR	7.41Y	123.6	0.00	1.44	0.00	0	0	0	100	0.00	0.0	7.772	0.076	0	0	0	0
PL.20343	PL.19896	C	6 A (CWC)	7.43Y	123.8	0.00	1.18	4.76	3	34	8	97	0.00	0.0	6.745	0.005	0	0	0	7
PD.2856	PL.20343	C	30T	7.43Y	123.8	0.00	1.18	4.76	0	34	8	97	0.00	0.0	6.745	0.005	0	0	0	7
PL.20344	PD.2856	C	6 A (CWC)	7.43Y	123.8	0.01	1.20	4.76	3	34	8	97	0.00	0.0	6.809	0.064	2	1	1	7
PL.19899	PL.20344	C	6 A (CWC)	7.43Y	123.8	0.01	1.20	2.19	2	16	4	97	0.00	0.0	6.904	0.095	5	1	1	4
PL.19900	PL.19899	C	6 A (CWC)	7.43Y	123.8	0.00	1.21	1.14	1	8	2	97	0.00	0.0	6.959	0.055	8	2	1	1
PL.19311	PL.19899	C	#4 ACSR	7.43Y	123.8	0.00	1.21	0.31	0	2	1	89	0.00	0.0	6.965	0.061	2	1	2	2
PL.19461	PL.20344	C	#4 ACSR	7.43Y	123.8	0.00	1.20	2.23	2	16	4	97	0.00	0.0	6.889	0.080	16	4	2	2
PL.20347	PL.20088	A	#4 ACSR	7.43Y	123.9	0.00	1.14	2.44	2	18	4	98	0.00	0.0	6.670	0.004	0	0	0	2
PD.2858	PL.20347	A	20T	7.43Y	123.9	0.00	1.14	2.44	0	18	4	98	0.00	0.0	6.670	0.004	0	0	0	2
PL.20348	PD.2858	A	#4 ACSR	7.43Y	123.9	0.00	1.14	2.44	2	18	4	98	0.00	0.0	6.705	0.035	13	3	1	2
PL.20089	PL.20348	A	#4 ACSR	7.43Y	123.9	0.00	1.15	0.67	1	5	1	98	0.00	0.0	6.805	0.100	5	1	1	1
PL.19308	PL.19906	A	#4 ACSR	7.44Y	124.0	0.00	0.97	1.55	1	11	3	96	0.00	0.0	6.373	0.005	0	0	0	3
PD.2939	PL.19308	A	20T	7.44Y	124.0	0.00	0.97	1.55	0	11	3	96	0.00	0.0	6.373	0.005	0	0	0	3
PL.19901	PD.2939	A	#4 ACSR	7.44Y	124.0	0.00	0.97	0.53	0	4	1	97	0.00	0.0	6.376	0.003	0	0	0	1
PL.19902	PL.19901	A	#4 ACSR	7.44Y	124.0	0.00	0.97	0.53	0	4	1	97	0.00	0.0	6.376	0.000	0	0	0	1
PL.19307	PL.19902	A	#4 ACSR	7.44Y	124.0	0.00	0.97	0.53	0	4	1	97	0.00	0.0	6.420	0.043	4	1	1	1
PL.19903	PD.2939	A	#4 ACSR	7.44Y	124.0	0.00	0.97	1.02	1	7	2	96	0.00	0.0	6.377	0.004	0	0	0	2
PL.19904	PL.19903	A	#4 ACSR	7.44Y	124.0	0.00	0.97	1.02	1	7	2	96	0.00	0.0	6.378	0.000	0	0	0	2
PL.19306	PL.19904	A	#4 ACSR	7.44Y	124.0	0.00	0.97	1.02	1	7	2	96	0.00	0.0	6.428	0.051	7	2	2	2
PL.19319	PD.2939	A	#4 ACSR	7.44Y	124.0	0.00	0.97	0.00	0	0	0	100	0.00	0.0	6.470	0.097	0	0	0	0
PL.20331	PL.19905	A	6 A (CWC)	7.44Y	124.1	0.00	0.93	0.40	0	3	1	95	0.00	0.0	6.303	0.005	0	0	0	2
PD.2848	PL.20331	A	20T	7.44Y	124.1	0.00	0.93	0.40	0	3	1	95	0.00	0.0	6.303	0.005	0	0	0	2
PL.20332	PD.2848	A	6 A (CWC)	7.44Y	124.1	0.00	0.93	0.40	0	3	1	95	0.00	0.0	6.353	0.049	2	1	1	2
PL.20090	PL.20332	A	6 A (CWC)	7.44Y	124.1	0.00	0.93	0.07	0	1	0	100	0.00	0.0	6.421	0.069	0	0	0	1
PL.32673	PL.20090	A	#1/0 ACSR	7.44Y	124.1	0.00	0.93	0.07	0	1	0	100	0.00	0.0	6.458	0.036	1	0	1	1
PL.20504	PL.19177	ABC	#1/0 ACSR	7.45Y	124.2	0.05	0.84	60.62	26	1318	315	97	0.42	0.0	6.103	0.043	0	0	0	360
PD.2968	PL.20504	ABC	100L	7.45Y	124.2	0.00	0.84	60.62	61	1318	314	97	0.00	0.0	6.103	0.043	0	0	0	360
PL.20505	PD.2968	ABC	#1/0 ACSR	7.45Y	124.1	0.07	0.91	60.62	26	1318	314	97	0.64	0.0	6.168	0.065	0	0	0	360

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Balanced Voltage Drop Report
Source: Beattyville

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.19328	PL.20505	ABC	#3/0 ACSR	7.44Y	124.0	0.06	0.97	59.99	20	1303	311	97	0.52	0.0	6.255	0.087	0	0	0	359
PL.19178	PL.19328	ABC	#3/0 ACSR	7.44Y	124.0	0.07	1.04	59.99	20	1303	310	97	0.55	0.0	6.346	0.091	0	0	0	359
PL.19179	PL.19178	ABC	#1/0 ACSR	7.43Y	123.9	0.07	1.10	59.72	26	1296	308	97	0.60	0.0	6.410	0.064	1	0	1	358
PL.20048	PL.19179	ABC	#1/0 ACSR	7.43Y	123.8	0.08	1.19	59.67	26	1295	307	97	0.75	0.1	6.489	0.079	0	0	0	357
PL.20049	PL.20048	ABC	#1/0 ACSR	7.43Y	123.8	0.06	1.25	59.67	26	1294	306	97	0.57	0.0	6.549	0.060	1	0	1	357
PL.20046	PL.20049	ABC	#1/0 ACSR	7.42Y	123.7	0.07	1.32	58.79	26	1274	301	97	0.61	0.0	6.614	0.066	0	0	0	351
PL.20047	PL.20046	ABC	#1/0 ACSR	7.42Y	123.6	0.09	1.41	58.79	26	1274	301	97	0.83	0.1	6.705	0.091	1	0	1	351
PL.19174	PL.20047	ABC	#3/0 ACSR	7.41Y	123.6	0.03	1.45	58.77	20	1272	300	97	0.28	0.0	6.753	0.048	0	0	0	350
PL.20512	PL.19174	ABC	#3/0 ACSR	7.41Y	123.6	0.00	1.45	58.77	20	1272	299	97	0.03	0.0	6.757	0.004	0	0	0	350
PL.20513	PL.20512	ABC	#3/0 ACSR	7.41Y	123.5	0.04	1.49	58.77	20	1272	299	97	0.32	0.0	6.814	0.056	10	2	3	350
PL.20050	PL.20513	ABC	#3/0 ACSR	7.41Y	123.5	0.05	1.54	58.31	19	1262	297	97	0.43	0.0	6.889	0.075	2	0	1	347
PL.20051	PL.20050	ABC	#3/0 ACSR	7.40Y	123.4	0.06	1.60	58.21	19	1259	295	97	0.45	0.0	6.967	0.078	0	0	0	346
PL.20167	PL.20051	ABC	#3/0 ACSR	7.40Y	123.4	0.02	1.62	58.21	19	1259	295	97	0.16	0.0	6.995	0.028	14	3	2	346
PL.20168	PL.20167	ABC	#3/0 ACSR	7.40Y	123.3	0.05	1.66	57.59	19	1245	291	97	0.36	0.0	7.061	0.065	0	0	0	344
PL.20452	PL.20168	B	#4 ACSR	7.40Y	123.3	0.00	1.66	3.22	2	23	5	98	0.00	0.0	7.066	0.005	0	0	0	2
PD.2937	PL.20452	B	30T	7.40Y	123.3	0.00	1.66	3.22	0	23	5	98	0.00	0.0	7.066	0.005	0	0	0	2
PL.20453	PD.2937	B	#4 ACSR	7.40Y	123.3	0.00	1.67	3.22	2	23	5	98	0.00	0.0	7.092	0.027	23	5	2	2
PL.19139	PL.20168	ABC	#1/0 ACSR	7.40Y	123.3	0.07	1.73	56.51	25	1222	286	97	0.60	0.0	7.132	0.071	0	0	0	342
PL.19330	PL.19139	ABC	#1/0 ACSR	7.39Y	123.2	0.05	1.79	25.14	11	543	127	97	0.20	0.0	7.253	0.122	0	0	0	143
PL.19135	PL.19330	ABC	#1/0 ACSR	7.39Y	123.2	0.05	1.84	24.35	11	526	123	97	0.19	0.0	7.375	0.122	0	0	0	137
PL.19746	PL.19135	ABC	#1/0 ACSR	7.39Y	123.1	0.07	1.91	24.35	11	526	123	97	0.27	0.1	7.543	0.168	0	0	0	137
PL.20506	PL.19746	ABC	#1/0 ACSR	7.38Y	123.0	0.05	1.97	24.35	11	525	122	97	0.20	0.0	7.671	0.127	0	0	0	137
PD.2969	PL.20506	ABC	50L	7.38Y	123.0	0.00	1.97	24.35	49	525	122	97	0.00	0.0	7.671	0.127	0	0	0	137
PL.20507	PD.2969	ABC	#1/0 ACSR	7.38Y	123.0	0.01	1.98	24.35	11	525	122	97	0.05	0.0	7.701	0.031	5	1	1	137
PL.20166	PL.20507	ABC	#1/0 ACSR	7.38Y	122.9	0.07	2.05	24.11	10	520	121	97	0.25	0.0	7.865	0.164	0	0	0	136
PL.19138	PL.20166	C	6 A (CWC)	7.38Y	122.9	0.00	2.05	0.85	1	6	1	99	0.00	0.0	7.870	0.005	0	0	0	2
PD.2895	PL.19138	C	20T	7.38Y	122.9	0.00	2.05	0.85	0	6	1	99	0.00	0.0	7.870	0.005	0	0	0	2
PL.19331	PD.2895	C	6 A (CWC)	7.38Y	122.9	0.00	2.05	0.08	0	1	0	100	0.00	0.0	7.927	0.057	1	0	1	1
PL.19914	PD.2895	C	6 A (CWC)	7.38Y	122.9	0.00	2.05	0.76	1	5	1	98	0.00	0.0	7.879	0.009	0	0	0	1
PL.19915	PL.19914	C	6 A (CWC)	7.38Y	122.9	0.00	2.05	0.76	1	5	1	98	0.00	0.0	7.879	0.000	0	0	0	1
PL.19137	PL.19915	C	6 A (CWC)	7.38Y	122.9	0.00	2.05	0.76	1	5	1	98	0.00	0.0	7.923	0.044	5	1	1	1

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Balanced Voltage Drop Report
Source: Beattyville

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.20164	PL.20166	ABC	#1/0 ACSR	7.37Y	122.9	0.04	2.09	23.83	10	514	119	97	0.13	0.0	7.952	0.087	4	1	2	134
PL.20165	PL.20164	ABC	#1/0 ACSR	7.37Y	122.9	0.04	2.13	23.63	10	509	118	97	0.15	0.0	8.053	0.101	1	0	1	132
PL.20163	PL.20165	ABC	#1/0 ACSR	7.37Y	122.8	0.03	2.16	23.60	10	509	118	97	0.11	0.0	8.126	0.073	0	0	0	131
PL.19332	PL.20163	ABC	#1/0 ACSR	7.37Y	122.8	0.06	2.22	23.17	10	499	116	97	0.20	0.0	8.268	0.142	0	0	0	128
PL.19333	PL.19332	ABC	#1/0 ACSR	7.36Y	122.7	0.07	2.29	23.17	10	499	116	97	0.25	0.1	8.444	0.176	0	0	0	128
PL.20159	PL.19333	ABC	#1/0 ACSR	7.36Y	122.7	0.03	2.32	21.70	9	467	108	97	0.09	0.0	8.519	0.075	0	0	1	114
PL.20160	PL.20159	ABC	#1/0 ACSR	7.36Y	122.6	0.04	2.36	21.69	9	467	108	97	0.13	0.0	8.626	0.106	0	0	0	113
PL.19752	PL.20160	ABC	#1/0 ACSR	7.36Y	122.6	0.04	2.39	21.69	9	466	108	97	0.12	0.0	8.721	0.096	0	0	0	113
PL.20170	PL.19752	ABC	#1/0 ACSR	7.35Y	122.6	0.03	2.42	21.69	9	466	108	97	0.09	0.0	8.793	0.072	0	0	0	113
PL.20171	PL.20170	ABC	#1/0 ACSR	7.35Y	122.6	0.02	2.44	21.69	9	466	108	97	0.06	0.0	8.844	0.051	0	0	0	113
PL.19141	PL.20171	B	6 A (CWC)	7.35Y	122.6	0.00	2.44	0.19	0	1	0	100	0.00	0.0	8.920	0.076	1	0	1	1
PL.19929	PL.20171	ABC	#1/0 ACSR	7.35Y	122.5	0.03	2.47	21.63	9	465	107	97	0.09	0.0	8.917	0.073	1	0	1	112
PL.20172	PL.19929	ABC	#1/0 ACSR	7.35Y	122.5	0.02	2.49	21.59	9	464	107	97	0.07	0.0	8.974	0.057	15	4	4	111
PL.20173	PL.20172	ABC	#1/0 ACSR	7.35Y	122.5	0.01	2.50	20.87	9	448	103	97	0.04	0.0	9.012	0.038	9	2	1	107
PL.20174	PL.20173	ABC	#1/0 ACSR	7.35Y	122.5	0.02	2.52	20.43	9	439	101	97	0.06	0.0	9.062	0.051	4	1	2	106
PL.20175	PL.20174	ABC	#1/0 ACSR	7.35Y	122.5	0.02	2.54	20.25	9	435	100	97	0.06	0.0	9.116	0.054	7	2	1	104
PL.20176	PL.20175	ABC	#1/0 ACSR	7.35Y	122.4	0.02	2.56	19.93	9	428	99	97	0.06	0.0	9.169	0.053	7	2	1	103
PL.20177	PL.20176	ABC	#1/0 ACSR	7.34Y	122.4	0.06	2.62	19.60	9	421	97	97	0.17	0.0	9.331	0.162	0	0	0	102
PL.19334	PL.20177	ABC	#1/0 ACSR	7.34Y	122.4	0.02	2.63	19.60	9	421	97	97	0.06	0.0	9.386	0.055	0	0	0	102
PL.20377	PL.19334	C	#2 ACSR	7.34Y	122.4	0.00	2.64	1.22	1	9	2	98	0.00	0.0	9.391	0.005	0	0	0	1
PD.2898	PL.20377	C	20T	7.34Y	122.4	0.00	2.64	1.22	0	9	2	98	0.00	0.0	9.391	0.005	0	0	0	1
PL.20378	PD.2898	C	#2 ACSR	7.34Y	122.4	0.00	2.64	1.22	1	9	2	98	0.00	0.0	9.414	0.023	9	2	1	1
PL.19335	PL.19334	ABC	#1/0 ACSR	7.34Y	122.3	0.02	2.65	19.20	8	412	95	97	0.05	0.0	9.437	0.051	0	0	0	101
PL.19143	PL.19335	A	#4 ACSR	7.34Y	122.3	0.04	2.70	20.36	16	146	34	97	0.05	0.0	9.488	0.050	3	1	1	41
PL.20379	PL.19143	A	6 A (CWC)	7.34Y	122.3	0.00	2.70	19.94	14	143	33	97	0.00	0.0	9.492	0.005	0	0	0	40
PD.2899	PL.20379	A	20T	7.34Y	122.3	0.00	2.70	19.94	0	143	33	97	0.00	0.0	9.492	0.005	0	0	0	40
PL.20380	PD.2899	A	6 A (CWC)	7.33Y	122.2	0.10	2.80	19.94	14	143	33	97	0.11	0.1	9.605	0.113	0	0	0	40
PL.20189	PL.20380	A	6 A (CWC)	7.33Y	122.1	0.07	2.88	19.94	14	142	33	97	0.08	0.1	9.687	0.082	1	0	1	40
PL.20190	PL.20189	A	6 A (CWC)	7.32Y	122.0	0.10	2.97	19.78	14	141	32	98	0.10	0.1	9.797	0.110	0	0	0	39
PL.19930	PL.20190	A	6 A (CWC)	7.32Y	121.9	0.08	3.06	19.78	14	141	32	98	0.09	0.1	9.891	0.094	4	1	1	39
PL.19213	PL.19930	A	#4 ACSR	7.32Y	121.9	0.00	3.06	0.15	0	1	0	100	0.00	0.0	9.975	0.084	1	0	1	1

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Balanced Voltage Drop Report
Source: Beattyville

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.19214	PL.19930	A	#4 ACSR	7.32Y	121.9	0.01	3.07	1.80	1	13	3	97	0.00	0.0	10.019	0.128	0	0	0	3
PL.19215	PL.19214	A	#4 ACSR	7.32Y	121.9	0.01	3.07	1.80	1	13	3	97	0.00	0.0	10.109	0.090	0	0	0	3
PL.20191	PL.19215	A	#4 ACSR	7.32Y	121.9	0.01	3.08	1.80	1	13	3	97	0.00	0.0	10.223	0.114	3	1	1	3
PL.20192	PL.20191	A	#4 ACSR	7.31Y	121.9	0.00	3.09	1.34	1	10	2	98	0.00	0.0	10.339	0.116	10	2	2	2
PL.19931	PL.19930	A	6 A (CWC)	7.31Y	121.8	0.15	3.20	17.24	12	123	28	98	0.14	0.1	10.079	0.188	0	0	0	34
PL.19216	PL.19931	A	6 A (CWC)	7.31Y	121.8	0.00	3.20	0.04	0	0	0	100	0.00	0.0	10.150	0.071	0	0	1	1
PL.19217	PL.19931	A	6 A (CWC)	7.30Y	121.7	0.09	3.29	17.20	12	123	28	98	0.08	0.1	10.189	0.110	0	0	0	33
PL.20193	PL.19217	A	6 A (CWC)	7.30Y	121.7	0.06	3.34	14.95	11	106	24	98	0.05	0.0	10.273	0.084	0	0	1	28
PL.20194	PL.20193	A	6 A (CWC)	7.30Y	121.6	0.02	3.37	14.95	11	106	24	98	0.02	0.0	10.305	0.032	10	2	1	27
PL.19220	PL.20194	A	#4 ACSR	7.30Y	121.6	0.00	3.37	1.81	1	13	3	97	0.00	0.0	10.361	0.056	13	3	2	2
PL.19926	PL.20194	A	6 A (CWC)	7.29Y	121.6	0.08	3.44	11.75	8	84	19	98	0.05	0.1	10.447	0.142	0	0	0	24
PL.19754	PL.19926	A	6 A (CWC)	7.29Y	121.5	0.07	3.51	11.75	8	84	19	98	0.04	0.1	10.572	0.125	0	0	0	24
PL.20195	PL.19754	A	6 A (CWC)	7.29Y	121.5	0.03	3.54	11.75	8	83	19	97	0.02	0.0	10.637	0.064	5	1	1	24
PL.20196	PL.20195	A	6 A (CWC)	7.29Y	121.4	0.02	3.56	10.98	8	78	18	97	0.01	0.0	10.674	0.038	0	0	0	23
PL.20383	PL.20196	A	#4 ACSR	7.29Y	121.4	0.00	3.56	1.87	1	13	3	97	0.00	0.0	10.687	0.013	0	0	0	2
PD.2901	PL.20383	A	12T	7.29Y	121.4	0.00	3.56	1.87	0	13	3	97	0.00	0.0	10.687	0.013	0	0	0	2
PL.20384	PD.2901	A	#4 ACSR	7.29Y	121.4	0.00	3.56	1.87	1	13	3	97	0.00	0.0	10.719	0.031	9	2	1	2
PL.19221	PL.20384	A	#4 ACSR	7.29Y	121.4	0.00	3.56	0.00	0	0	0	100	0.00	0.0	10.739	0.020	0	0	0	0
PL.19918	PL.20384	A	#4 ACSR	7.29Y	121.4	0.00	3.56	0.56	0	4	1	97	0.00	0.0	10.851	0.133	4	1	1	1
PL.19336	PL.20196	A	6 A (CWC)	7.28Y	121.4	0.03	3.59	9.12	7	65	15	97	0.01	0.0	10.744	0.070	0	0	0	21
PL.19921	PL.19336	A	6 A (CWC)	7.28Y	121.4	0.06	3.65	9.04	6	64	15	97	0.03	0.0	10.896	0.152	2	0	1	20
PL.20243	PL.19921	A	6 A (CWC)	7.28Y	121.3	0.02	3.66	7.16	5	51	12	97	0.01	0.0	10.946	0.050	0	0	0	15
PL.20244	PL.20243	A	6 A (CWC)	7.28Y	121.3	0.01	3.68	7.16	5	51	12	97	0.00	0.0	10.989	0.043	9	2	2	15
PL.20245	PL.20244	A	6 A (CWC)	7.28Y	121.3	0.02	3.69	5.87	4	42	9	98	0.01	0.0	11.052	0.063	2	1	1	13
PL.20246	PL.20245	A	6 A (CWC)	7.28Y	121.3	0.02	3.71	5.54	4	39	9	97	0.01	0.0	11.124	0.072	0	0	1	12
PL.20242	PL.20246	A	6 A (CWC)	7.28Y	121.3	0.01	3.72	5.54	4	39	9	97	0.00	0.0	11.149	0.025	0	0	0	11
PL.19922	PL.20242	A	6 A (CWC)	7.28Y	121.3	0.01	3.73	5.54	4	39	9	97	0.00	0.0	11.186	0.037	10	2	1	11
PL.19923	PL.19922	A	6 A (CWC)	7.28Y	121.3	0.00	3.73	0.25	0	2	0	100	0.00	0.0	11.250	0.065	2	0	1	1
PL.19223	PL.19922	A	6 A (CWC)	7.28Y	121.3	0.02	3.74	3.88	3	28	6	98	0.00	0.0	11.283	0.097	0	0	0	9
PL.19224	PL.19223	A	6 A (CWC)	7.28Y	121.3	0.00	3.75	1.63	1	12	3	97	0.00	0.0	11.331	0.048	3	1	1	4
PL.19226	PL.19224	A	6 A (CWC)	7.28Y	121.3	0.00	3.75	1.27	1	9	2	98	0.00	0.0	11.379	0.047	6	1	1	3

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

Balanced Voltage Drop Report
Source: Beattyville

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.19227	PL.19226	A	6 A (CWC)	7.28Y	121.3	0.00	3.75	0.43	0	3	1	95	0.00	0.0	11.460	0.081	3	1	2	2
PL.19225	PL.19223	A	#4 ACSR	7.28Y	121.3	0.00	3.74	0.00	0	0	0	100	0.00	0.0	11.312	0.029	0	0	0	0
PL.19337	PL.19223	A	6 A (CWC)	7.27Y	121.2	0.01	3.75	2.25	2	16	4	97	0.00	0.0	11.385	0.102	0	0	0	5
PL.20247	PL.19337	A	6 A (CWC)	7.27Y	121.2	0.00	3.76	1.17	1	8	2	97	0.00	0.0	11.462	0.077	6	1	1	2
PL.20248	PL.20247	A	6 A (CWC)	7.27Y	121.2	0.00	3.76	0.35	0	3	1	95	0.00	0.0	11.512	0.051	3	1	1	1
PL.19228	PL.19337	A	6 A (CWC)	7.27Y	121.2	0.00	3.75	1.08	1	8	2	97	0.00	0.0	11.472	0.088	8	2	3	3
PL.19919	PL.19921	A	6 A (CWC)	7.28Y	121.3	0.00	3.65	1.59	1	11	3	96	0.00	0.0	10.973	0.077	3	1	2	4
PL.19229	PL.19919	A	#1/0 ACSR	7.28Y	121.3	0.00	3.65	0.90	0	6	1	99	0.00	0.0	11.061	0.089	6	1	1	1
PL.19920	PL.19919	A	6 A (CWC)	7.28Y	121.3	0.00	3.65	0.22	0	2	0	100	0.00	0.0	11.052	0.079	2	0	1	1
PL.19222	PL.19336	A	#4 ACSR	7.28Y	121.4	0.00	3.59	0.08	0	1	0	100	0.00	0.0	10.768	0.024	1	0	1	1
PL.66203	PL.19217	A	#1/0 ACSR	7.30Y	121.7	0.00	3.29	1.55	1	11	3	96	0.00	0.0	10.212	0.022	0	0	0	4
PL.66202	PL.66203	A	#1/0 ACSR	7.30Y	121.7	0.00	3.29	1.10	0	8	2	97	0.00	0.0	10.263	0.051	8	2	2	2
PL.66204	PL.66203	A	#1/0 ACSR	7.30Y	121.7	0.00	3.29	0.46	0	3	1	95	0.00	0.0	10.277	0.066	3	1	2	2
PL.19219	PL.19217	A	#4 ACSR	7.30Y	121.7	0.00	3.29	0.69	1	5	1	98	0.00	0.0	10.242	0.053	5	1	1	1
PL.19927	PL.19335	ABC	#1/0 ACSR	7.34Y	122.3	0.03	2.68	12.07	5	259	60	97	0.05	0.0	9.574	0.137	0	0	1	59
PL.19928	PL.19927	ABC	#1/0 ACSR	7.34Y	122.3	0.03	2.71	11.44	5	246	56	98	0.05	0.0	9.711	0.137	0	0	0	57
PL.19755	PL.19928	ABC	#1/0 ACSR	7.34Y	122.3	0.03	2.74	11.44	5	245	56	97	0.05	0.0	9.850	0.138	0	0	0	57
PL.19756	PL.19755	ABC	#1/0 ACSR	7.33Y	122.2	0.03	2.76	11.44	5	245	56	97	0.05	0.0	9.985	0.136	0	0	0	57
PL.19757	PL.19756	ABC	#1/0 ACSR	7.33Y	122.2	0.02	2.79	11.44	5	245	56	97	0.04	0.0	10.093	0.108	0	0	0	57
PL.19758	PL.19757	ABC	#1/0 ACSR	7.33Y	122.2	0.03	2.81	11.44	5	245	56	97	0.04	0.0	10.218	0.126	0	0	0	57
PL.19791	PL.19758	ABC	#1/0 ACSR	7.33Y	122.2	0.01	2.82	11.44	5	245	56	97	0.02	0.0	10.286	0.067	0	0	0	57
PL.19759	PL.19791	ABC	#1/0 ACSR	7.33Y	122.2	0.02	2.85	11.44	5	245	56	97	0.04	0.0	10.391	0.105	0	0	0	57
PL.19338	PL.19759	ABC	#1/0 ACSR	7.33Y	122.1	0.01	2.85	5.08	2	109	25	97	0.00	0.0	10.454	0.063	0	0	0	21
PL.20381	PL.19338	B	#2 ACSR	7.33Y	122.1	0.00	2.85	15.24	9	109	25	97	0.00	0.0	10.459	0.005	0	0	0	21
PD.2900	PL.20381	B	20T	7.33Y	122.1	0.00	2.85	15.24	0	109	25	97	0.00	0.0	10.459	0.005	0	0	0	21
PL.20382	PD.2900	B	#2 ACSR	7.33Y	122.1	0.02	2.87	15.24	9	109	25	97	0.02	0.0	10.500	0.042	0	0	0	21
PL.19145	PL.20382	B	6 A (CWC)	7.32Y	122.1	0.05	2.92	14.46	10	103	24	97	0.04	0.0	10.571	0.071	2	1	2	20
PL.19932	PL.19145	B	6 A (CWC)	7.32Y	122.0	0.10	3.02	14.14	10	101	23	98	0.08	0.1	10.737	0.166	6	1	2	18
PL.20187	PL.19932	B	6 A (CWC)	7.32Y	122.0	0.01	3.03	4.58	3	33	7	98	0.00	0.0	10.812	0.074	32	7	3	4
PL.20188	PL.20187	B	6 A (CWC)	7.32Y	122.0	0.00	3.03	0.15	0	1	0	100	0.00	0.0	10.839	0.027	1	0	1	1
PL.20240	PL.19932	B	6 A (CWC)	7.32Y	122.0	0.01	3.03	8.67	6	62	14	98	0.00	0.0	10.762	0.025	25	6	3	12

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Balanced Voltage Drop Report
Source: Beattyville

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.20241	PL.20240	B	6 A (CWC)	7.32Y	122.0	0.02	3.04	5.10	4	36	8	98	0.00	0.0	10.861	0.099	24	5	4	9
PL.20239	PL.20241	B	6 A (CWC)	7.32Y	122.0	0.00	3.05	1.80	1	13	3	97	0.00	0.0	10.892	0.030	3	1	1	5
PL.20238	PL.20239	B	6 A (CWC)	7.32Y	121.9	0.00	3.05	1.44	1	10	2	98	0.00	0.0	10.987	0.095	5	1	1	4
PL.20236	PL.20238	B	6 A (CWC)	7.32Y	121.9	0.00	3.05	0.69	0	5	1	98	0.00	0.0	11.028	0.041	0	0	2	3
PL.20237	PL.20236	B	6 A (CWC)	7.32Y	121.9	0.00	3.05	0.63	0	4	1	97	0.00	0.0	11.100	0.072	0	0	0	1
PL.19762	PL.20237	B	6 A (CWC)	7.32Y	121.9	0.00	3.06	0.63	0	4	1	97	0.00	0.0	11.264	0.164	0	0	0	1
PL.19763	PL.19762	B	6 A (CWC)	7.32Y	121.9	0.00	3.06	0.63	0	4	1	97	0.00	0.0	11.315	0.051	0	0	0	1
PL.19764	PL.19763	B	6 A (CWC)	7.32Y	121.9	0.00	3.06	0.63	0	4	1	97	0.00	0.0	11.454	0.139	4	1	1	1
PL.19146	PL.20382	B	#4 ACSR	7.33Y	122.1	0.00	2.87	0.78	1	6	1	99	0.00	0.0	10.539	0.039	6	1	1	1
PL.20498	PL.19759	C	6 A (CWC)	7.33Y	122.2	0.00	2.85	19.09	14	136	31	97	0.00	0.0	10.394	0.003	0	0	0	36
PD.2965	PL.20498	C	100CodeSMo	7.33Y	122.2	0.00	2.85	19.09	0	136	31	97	0.00	0.0	10.394	0.003	0	0	0	36
PL.20499	PD.2965	C	6 A (CWC)	7.33Y	122.1	0.01	2.86	19.09	14	136	31	97	0.01	0.0	10.410	0.016	1	0	1	36
PL.20185	PL.20499	C	6 A (CWC)	7.32Y	122.1	0.06	2.92	18.98	14	136	31	97	0.06	0.0	10.479	0.069	7	2	1	35
PL.20186	PL.20185	C	6 A (CWC)	7.32Y	122.0	0.07	2.99	18.00	13	129	29	98	0.07	0.1	10.564	0.085	2	0	1	34
PL.20184	PL.20186	C	6 A (CWC)	7.32Y	122.0	0.05	3.03	17.74	13	127	29	97	0.04	0.0	10.623	0.058	7	1	2	33
PL.19242	PL.20184	C	#4 ACSR	7.32Y	122.0	0.00	3.04	1.35	1	10	2	98	0.00	0.0	10.720	0.098	10	2	1	1
PL.20182	PL.20184	C	6 A (CWC)	7.31Y	121.9	0.08	3.12	15.47	11	110	25	98	0.07	0.1	10.750	0.127	13	3	2	30
PL.20183	PL.20182	C	6 A (CWC)	7.31Y	121.8	0.08	3.20	13.68	10	98	22	98	0.06	0.1	10.877	0.127	0	0	0	28
PL.19241	PL.20183	C	#1/0 ACSR	7.31Y	121.8	0.00	3.20	0.99	0	7	2	96	0.00	0.0	10.945	0.068	7	2	1	1
PL.19610	PL.20183	C	6 A (CWC)	7.30Y	121.7	0.08	3.28	12.69	9	90	21	97	0.06	0.1	11.024	0.147	2	0	1	27
PL.19240	PL.19610	C	#4 ACSR	7.30Y	121.7	0.00	3.28	1.26	1	9	2	98	0.00	0.0	11.100	0.076	9	2	1	1
PL.20180	PL.19610	C	#4 ACSR	7.30Y	121.7	0.02	3.30	11.17	9	80	18	98	0.01	0.0	11.075	0.052	8	2	1	25
PL.20181	PL.20180	C	#4 ACSR	7.30Y	121.7	0.05	3.35	10.05	8	72	16	98	0.03	0.0	11.179	0.104	0	0	0	24
PL.19933	PL.20181	C	#4 ACSR	7.30Y	121.6	0.04	3.39	10.05	8	72	16	98	0.02	0.0	11.269	0.090	9	2	2	24
PL.19239	PL.19933	C	#4 ACSR	7.30Y	121.6	0.00	3.39	0.01	0	0	0	100	0.00	0.0	11.338	0.069	0	0	1	1
PL.19934	PL.19933	C	#4 ACSR	7.29Y	121.6	0.04	3.42	8.83	7	63	14	98	0.02	0.0	11.366	0.097	0	0	0	21
PL.20178	PL.19934	C	#4 ACSR	7.29Y	121.6	0.02	3.44	6.04	5	43	10	97	0.01	0.0	11.439	0.073	0	0	0	16
PL.20179	PL.20178	C	#4 ACSR	7.29Y	121.5	0.02	3.46	6.04	5	43	10	97	0.01	0.0	11.503	0.064	0	0	0	16
PL.19244	PL.20179	C	#4 ACSR	7.29Y	121.5	0.00	3.46	0.00	0	0	0	100	0.00	0.0	11.546	0.043	0	0	1	1
PL.20153	PL.20179	C	#4 ACSR	7.29Y	121.5	0.03	3.49	6.04	5	43	10	97	0.01	0.0	11.621	0.118	0	0	0	15
PL.20154	PL.20153	C	#4 ACSR	7.29Y	121.5	0.02	3.51	6.04	5	43	10	97	0.01	0.0	11.682	0.061	4	1	1	15

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Balanced Voltage Drop Report
Source: Beattyville

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.20155	PL.20154	C	#4 ACSR	7.29Y	121.5	0.02	3.53	5.54	4	39	9	97	0.01	0.0	11.764	0.082	0	0	0	14
PL.20156	PL.20155	C	#4 ACSR	7.29Y	121.4	0.04	3.57	5.54	4	39	9	97	0.01	0.0	11.942	0.178	0	0	0	14
PL.19760	PL.20156	C	#4 ACSR	7.28Y	121.4	0.03	3.60	5.54	4	39	9	97	0.01	0.0	12.075	0.133	0	0	0	14
PL.19935	PL.19760	C	#4 ACSR	7.28Y	121.4	0.01	3.62	5.54	4	39	9	97	0.00	0.0	12.129	0.055	2	1	2	14
PL.19936	PL.19935	C	#4 ACSR	7.28Y	121.4	0.02	3.63	4.76	4	34	8	97	0.00	0.0	12.218	0.089	0	0	0	9
PL.19237	PL.19936	C	#1/0 ACSR	7.28Y	121.4	0.01	3.64	3.01	1	21	5	97	0.00	0.0	12.303	0.085	0	0	0	2
PL.19246	PL.19237	C	#1/0 ACSR	7.28Y	121.4	0.00	3.64	0.00	0	0	0	100	0.00	0.0	12.333	0.030	0	0	0	0
PL.20151	PL.19237	C	#1/0 ACSR	7.28Y	121.4	0.00	3.64	3.01	1	21	5	97	0.00	0.0	12.352	0.049	13	3	1	2
PL.20152	PL.20151	C	#1/0 ACSR	7.28Y	121.4	0.00	3.64	1.20	1	9	2	98	0.00	0.0	12.385	0.033	9	2	1	1
PL.20147	PL.19936	C	#4 ACSR	7.28Y	121.4	0.01	3.64	1.75	1	12	3	97	0.00	0.0	12.343	0.125	2	0	1	7
PL.20148	PL.20147	C	#4 ACSR	7.28Y	121.3	0.01	3.65	1.47	1	10	2	98	0.00	0.0	12.473	0.129	0	0	0	6
PL.19937	PL.20148	C	#4 ACSR	7.28Y	121.3	0.00	3.66	1.47	1	10	2	98	0.00	0.0	12.539	0.067	3	1	1	6
PL.19236	PL.19937	C	#4 ACSR	7.28Y	121.3	0.00	3.66	0.32	0	2	1	89	0.00	0.0	12.589	0.050	2	1	1	1
PL.19938	PL.19937	C	#4 ACSR	7.28Y	121.3	0.00	3.66	0.71	1	5	1	98	0.00	0.0	12.560	0.021	0	0	0	4
PL.19577	PL.19938	C	#4 ACSR	7.28Y	121.3	0.00	3.66	0.71	1	5	1	98	0.00	0.0	12.674	0.113	0	0	0	4
PL.19578	PL.19577	C	#4 ACSR	7.28Y	121.3	0.00	3.66	0.00	0	0	0	100	0.00	0.0	12.712	0.038	0	0	0	0
PL.19611	PL.19577	C	#4 ACSR	7.28Y	121.3	0.00	3.66	0.71	1	5	1	98	0.00	0.0	12.704	0.030	0	0	0	4
PL.19579	PL.19611	C	#4 ACSR	7.28Y	121.3	0.00	3.67	0.71	1	5	1	98	0.00	0.0	12.850	0.147	0	0	0	4
PL.19584	PL.19579	C	#4 ACSR	7.28Y	121.3	0.00	3.67	0.71	1	5	1	98	0.00	0.0	12.963	0.112	0	0	0	4
PL.19581	PL.19584	C	#1/0 ACSR	7.28Y	121.3	0.00	3.67	0.07	0	0	0	100	0.00	0.0	12.996	0.034	0	0	1	1
PL.20308	PL.19584	C	#4 ACSR	7.28Y	121.3	0.00	3.67	0.65	0	5	1	98	0.00	0.0	13.058	0.095	3	1	1	3
PL.20309	PL.20308	C	#4 ACSR	7.28Y	121.3	0.00	3.67	0.26	0	2	0	100	0.00	0.0	13.114	0.057	2	0	1	2
PL.20307	PL.20309	C	#4 ACSR	7.28Y	121.3	0.00	3.67	0.02	0	0	0	100	0.00	0.0	13.254	0.139	0	0	1	1
PL.19580	PL.20307	C	#1/0 ACSR	7.28Y	121.3	0.00	3.67	0.00	0	0	0	100	0.00	0.0	13.401	0.147	0	0	0	0
PL.20149	PL.19935	C	#4 ACSR	7.28Y	121.4	0.00	3.62	0.45	0	3	1	95	0.00	0.0	12.304	0.174	0	0	1	3
PL.20150	PL.20149	C	#4 ACSR	7.28Y	121.4	0.00	3.62	0.45	0	3	1	95	0.00	0.0	12.352	0.048	3	1	2	2
PL.19238	PL.19760	C	6 A (CWC)	7.28Y	121.4	0.00	3.60	0.00	0	0	0	100	0.00	0.0	12.239	0.164	0	0	0	0
PL.19761	PL.19238	C	6 A (CWC)	7.28Y	121.4	0.00	3.60	0.00	0	0	0	100	0.00	0.0	12.389	0.150	0	0	0	0
PL.19243	PL.19934	C	#4 ACSR	7.29Y	121.6	0.00	3.43	2.79	2	20	5	97	0.00	0.0	11.406	0.039	19	4	4	5
PL.19245	PL.19243	C	#2 ACSR	7.29Y	121.6	0.00	3.43	0.09	0	1	0	100	0.00	0.0	11.448	0.043	1	0	1	1
PL.20448	PL.19927	C	#1/0 ACSR	7.34Y	122.3	0.00	2.68	1.86	1	13	3	97	0.00	0.0	9.579	0.005	0	0	0	1

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Balanced Voltage Drop Report
Source: Beattyville

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.2935	PL.20448	C	20T	7.34Y	122.3	0.00	2.68	1.86	0	13	3	97	0.00	0.0	9.579	0.005	0	0	0	1
PL.32639	PD.2935	C	#2 ACSR	7.34Y	122.3	0.00	2.68	1.86	1	13	3	97	0.00	0.0	9.626	0.047	0	0	0	1
PL.32640	PL.32639	C	#2 ACSR	7.34Y	122.3	0.00	2.69	1.86	1	13	3	97	0.00	0.0	9.661	0.035	13	3	1	1
PL.19144	PL.19335	B	6 A (CWC)	7.34Y	122.3	0.00	2.65	1.03	1	7	2	96	0.00	0.0	9.451	0.014	7	2	1	1
PL.19142	PL.20177	A	6 A (CWC)	7.34Y	122.4	0.00	2.62	0.00	0	0	0	100	0.00	0.0	9.376	0.045	0	0	0	0
PL.19753	PL.19929	ABC	6 A (CWC)	7.35Y	122.5	0.00	2.47	0.00	0	0	0	100	0.00	0.0	8.918	0.001	0	0	0	0
PD.2951-B	PL.19753	ABC	Open	7.35Y	122.5	0.00	2.47	0.00	0	0	0	100	0.00	0.0	8.918	0.001	0	0	0	0
PL.19136	PL.19333	B	6 A (CWC)	7.36Y	122.7	0.03	2.32	4.43	3	32	7	98	0.01	0.0	8.577	0.133	0	0	0	14
PL.19747	PL.19136	B	6 A (CWC)	7.36Y	122.7	0.02	2.33	4.43	3	32	7	98	0.00	0.0	8.668	0.092	0	0	0	14
PL.20157	PL.19747	B	6 A (CWC)	7.36Y	122.6	0.02	2.36	4.43	3	32	7	98	0.01	0.0	8.780	0.112	2	0	1	14
PL.20158	PL.20157	B	6 A (CWC)	7.36Y	122.6	0.00	2.36	4.17	3	30	7	97	0.00	0.0	8.801	0.021	0	0	0	13
PL.19649	PL.20158	B	#4 ACSR	7.36Y	122.6	0.00	2.36	4.17	3	30	7	97	0.00	0.0	8.806	0.005	0	0	0	13
PD.2893	PL.19649	B	20T	7.36Y	122.6	0.00	2.36	4.17	0	30	7	97	0.00	0.0	8.806	0.005	0	0	0	13
PL.19650	PD.2893	B	#4 ACSR	7.36Y	122.6	0.02	2.38	4.17	3	30	7	97	0.00	0.0	8.888	0.082	0	0	0	13
PL.19749	PL.19650	B	#4 ACSR	7.36Y	122.6	0.03	2.41	4.17	3	30	7	97	0.01	0.0	9.070	0.182	0	0	0	13
PL.19750	PL.19749	B	#4 ACSR	7.35Y	122.6	0.02	2.42	4.17	3	30	7	97	0.00	0.0	9.155	0.084	0	0	0	13
PL.19289	PL.19750	B	#4 ACSR	7.35Y	122.5	0.03	2.46	4.17	3	30	7	97	0.01	0.0	9.323	0.168	0	0	1	13
PL.19290	PL.19289	B	#4 ACSR	7.35Y	122.5	0.01	2.46	4.16	3	30	7	97	0.00	0.0	9.365	0.042	0	0	0	12
PL.19291	PL.19290	B	#4 ACSR	7.35Y	122.5	0.01	2.48	4.16	3	30	7	97	0.00	0.0	9.438	0.072	0	0	0	12
PL.19292	PL.19291	B	#4 ACSR	7.35Y	122.5	0.01	2.49	4.16	3	30	7	97	0.00	0.0	9.509	0.072	0	0	0	12
PL.20303	PL.19292	B	#4 ACSR	7.35Y	122.5	0.01	2.50	4.16	3	30	7	97	0.00	0.0	9.599	0.090	6	1	4	12
PL.20304	PL.20303	B	#4 ACSR	7.35Y	122.5	0.02	2.52	3.36	3	24	5	98	0.00	0.0	9.730	0.131	1	0	1	8
PL.20302	PL.20304	B	#4 ACSR	7.35Y	122.5	0.01	2.54	3.23	2	23	5	98	0.00	0.0	9.835	0.105	5	1	2	7
PL.20301	PL.20302	B	#4 ACSR	7.35Y	122.5	0.01	2.55	2.48	2	18	4	98	0.00	0.0	9.968	0.133	8	2	1	5
PL.20300	PL.20301	B	#4 ACSR	7.35Y	122.4	0.01	2.55	1.39	1	10	2	98	0.00	0.0	10.065	0.097	0	0	1	4
PL.20299	PL.20300	B	#4 ACSR	7.35Y	122.4	0.00	2.56	1.39	1	10	2	98	0.00	0.0	10.147	0.081	8	2	1	3
PL.20298	PL.20299	B	#4 ACSR	7.35Y	122.4	0.00	2.56	0.34	0	2	1	89	0.00	0.0	10.278	0.132	0	0	0	2
PL.20296	PL.20298	B	#4 ACSR	7.35Y	122.4	0.00	2.56	0.34	0	2	1	89	0.00	0.0	10.358	0.079	2	1	1	2
PL.20297	PL.20296	B	#4 ACSR	7.35Y	122.4	0.00	2.56	0.01	0	0	0	100	0.00	0.0	10.483	0.125	0	0	0	1
PL.19480	PL.20297	B	#1/0 ACSR	7.35Y	122.4	0.00	2.56	0.01	0	0	0	100	0.00	0.0	10.633	0.151	0	0	0	1
PL.19751	PL.19480	B	#1/0 ACSR	7.35Y	122.4	0.00	2.56	0.01	0	0	0	100	0.00	0.0	10.705	0.072	0	0	0	1

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Balanced Voltage Drop Report
Source: Beattyville

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.19293	PL.19751	B	#1/0 ACSR	7.35Y	122.4	0.00	2.56	0.01	0	0	0	100	0.00	0.0	10.755	0.049	0	0	1	1
PL.19206	PL.19747	B	6 A (CWC)	7.36Y	122.7	0.00	2.33	0.00	0	0	0	100	0.00	0.0	8.787	0.118	0	0	0	0
PL.19790	PL.19206	B	6 A (CWC)	7.36Y	122.7	0.00	2.33	0.00	0	0	0	100	0.00	0.0	8.905	0.119	0	0	0	0
PL.19748	PL.19790	B	6 A (CWC)	7.36Y	122.7	0.00	2.33	0.00	0	0	0	100	0.00	0.0	8.985	0.080	0	0	0	0
PL.20371	PL.19332	B	#4 ACSR	7.37Y	122.8	0.00	2.22	0.00	0	0	0	100	0.00	0.0	8.272	0.005	0	0	0	0
PD.2894	PL.20371	B	20T	7.37Y	122.8	0.00	2.22	0.00	0	0	0	100	0.00	0.0	8.272	0.005	0	0	0	0
PL.20372	PD.2894	B	#4 ACSR	7.37Y	122.8	0.00	2.22	0.00	0	0	0	100	0.00	0.0	8.328	0.056	0	0	0	0
PL.20161	PL.20163	C	#4 ACSR	7.37Y	122.8	0.00	2.16	1.30	1	9	2	98	0.00	0.0	8.163	0.037	0	0	1	3
PL.20162	PL.20161	C	#4 ACSR	7.37Y	122.8	0.00	2.16	1.28	1	9	2	98	0.00	0.0	8.209	0.046	9	2	2	2
PL.19154	PL.19330	A	6 A (CWC)	7.39Y	123.2	0.00	1.79	2.37	2	17	4	97	0.00	0.0	7.256	0.003	0	0	0	6
PD.2964	PL.19154	A	35L	7.39Y	123.2	0.00	1.79	2.37	7	17	4	97	0.00	0.0	7.256	0.003	0	0	0	6
PL.19647	PD.2964	A	6 A (CWC)	7.39Y	123.2	0.01	1.80	2.37	2	17	4	97	0.00	0.0	7.355	0.099	0	0	0	6
PL.19744	PL.19647	A	6 A (CWC)	7.39Y	123.2	0.01	1.81	2.37	2	17	4	97	0.00	0.0	7.476	0.122	0	0	0	6
PL.20052	PL.19744	A	6 A (CWC)	7.39Y	123.2	0.00	1.82	1.69	1	12	3	97	0.00	0.0	7.522	0.046	0	0	1	3
PL.20053	PL.20052	A	6 A (CWC)	7.39Y	123.2	0.01	1.83	1.69	1	12	3	97	0.00	0.0	7.652	0.130	0	0	0	2
PL.19745	PL.20053	A	6 A (CWC)	7.39Y	123.2	0.01	1.84	1.69	1	12	3	97	0.00	0.0	7.827	0.175	0	0	0	2
PL.20116	PL.19745	A	6 A (CWC)	7.39Y	123.2	0.01	1.85	1.69	1	12	3	97	0.00	0.0	7.975	0.148	12	3	1	2
PL.20117	PL.20116	A	#4 ACSR	7.39Y	123.2	0.00	1.85	0.05	0	0	0	100	0.00	0.0	8.136	0.161	0	0	0	1
PL.20118	PL.20117	A	#4 ACSR	7.39Y	123.2	0.00	1.85	0.05	0	0	0	100	0.00	0.0	8.202	0.066	0	0	1	1
PL.19190	PL.19744	A	6 A (CWC)	7.39Y	123.2	0.00	1.81	0.69	0	5	1	98	0.00	0.0	7.574	0.098	5	1	3	3
PL.19140	PL.19139	ABC	#3/0 ACSR	7.40Y	123.3	0.01	1.74	31.37	10	678	158	97	0.04	0.0	7.154	0.023	0	0	0	199
PL.20373	PL.19140	A	#4 ACSR	7.40Y	123.3	0.00	1.74	0.17	0	1	0	100	0.00	0.0	7.159	0.005	0	0	0	2
PD.2896	PL.20373	A	30T	7.40Y	123.3	0.00	1.74	0.17	0	1	0	100	0.00	0.0	7.159	0.005	0	0	0	2
PL.20374	PD.2896	A	#4 ACSR	7.40Y	123.3	0.00	1.74	0.17	0	1	0	100	0.00	0.0	7.192	0.033	1	0	2	2
PL.19134	PL.19140	ABC	#1/0 ACSR	7.39Y	123.2	0.04	1.78	31.31	14	677	158	97	0.20	0.0	7.229	0.075	0	0	0	197
PL.20169	PL.19134	ABC	#1/0 ACSR	7.39Y	123.2	0.05	1.83	30.34	13	655	153	97	0.22	0.0	7.319	0.090	8	2	1	195
PL.20508	PL.20169	ABC	#1/0 ACSR	7.39Y	123.1	0.06	1.89	29.96	13	647	151	97	0.25	0.0	7.425	0.106	0	0	0	194
PD.2970	PL.20508	ABC	70L	7.39Y	123.1	0.00	1.89	29.96	43	647	151	97	0.00	0.0	7.425	0.106	0	0	0	194
PL.20509	PD.2970	ABC	#1/0 ACSR	7.38Y	123.1	0.03	1.92	29.96	13	647	151	97	0.13	0.0	7.481	0.056	0	0	0	194
PL.20393	PL.20509	ABC	#1/0 ACSR	7.38Y	123.1	0.00	1.92	29.96	13	647	150	97	0.01	0.0	7.485	0.004	0	0	0	194
PL.19354	PL.20393	ABC	#1/0 ACSR	7.38Y	123.0	0.06	1.98	29.38	13	634	148	97	0.24	0.0	7.592	0.107	6	1	2	190

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Balanced Voltage Drop Report
Source: Beattyville

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.20394	PL.19354	C	6 A (CWC)	7.38Y	123.0	0.00	1.98	1.06	1	8	2	97	0.00	0.0	7.597	0.005	0	0	0	2
PD.2906	PL.20394	C	20T	7.38Y	123.0	0.00	1.98	1.06	0	8	2	97	0.00	0.0	7.597	0.005	0	0	0	2
PL.20395	PD.2906	C	6 A (CWC)	7.38Y	123.0	0.00	1.98	1.06	1	8	2	97	0.00	0.0	7.656	0.059	7	2	1	2
PL.20208	PL.20395	C	6 A (CWC)	7.38Y	123.0	0.00	1.98	0.04	0	0	0	100	0.00	0.0	7.679	0.023	0	0	0	1
PL.19466	PL.20208	C	#1/0 ACSR	7.38Y	123.0	0.00	1.98	0.04	0	0	0	100	0.00	0.0	7.735	0.056	0	0	1	1
PL.19355	PL.19354	ABC	#1/0 ACSR	7.38Y	123.0	0.05	2.03	28.76	13	620	144	97	0.22	0.0	7.691	0.099	8	2	1	186
PL.19356	PL.19355	ABC	#1/0 ACSR	7.37Y	122.9	0.07	2.09	28.31	12	610	142	97	0.29	0.0	7.828	0.137	0	0	0	184
PL.20201	PL.19356	ABC	#1/0 ACSR	7.37Y	122.9	0.02	2.12	27.24	12	587	136	97	0.10	0.0	7.878	0.049	5	1	2	179
PL.20202	PL.20201	ABC	#1/0 ACSR	7.37Y	122.8	0.03	2.15	27.01	12	582	135	97	0.14	0.0	7.951	0.073	7	2	6	177
PL.19147	PL.20202	ABC	#1/0 ACSR	7.37Y	122.8	0.03	2.18	26.69	12	575	133	97	0.13	0.0	8.018	0.067	0	0	0	171
PL.20432	PL.19147	A	6 A (CWC)	7.37Y	122.8	0.00	2.18	2.84	2	20	5	97	0.00	0.0	8.022	0.005	0	0	0	6
PD.2927	PL.20432	A	20T	7.37Y	122.8	0.00	2.18	2.84	0	20	5	97	0.00	0.0	8.022	0.005	0	0	0	6
PL.20433	PD.2927	A	6 A (CWC)	7.37Y	122.8	0.02	2.20	2.84	2	20	5	97	0.00	0.0	8.175	0.152	5	1	2	6
PL.19149	PL.20433	A	6 A (CWC)	7.37Y	122.8	0.01	2.21	2.17	2	16	4	97	0.00	0.0	8.229	0.055	0	0	0	4
PL.20213	PL.19149	A	6 A (CWC)	7.37Y	122.8	0.01	2.22	2.17	2	16	4	97	0.00	0.0	8.333	0.103	0	0	0	4
PL.20214	PL.20213	A	6 A (CWC)	7.37Y	122.8	0.01	2.22	2.17	2	16	4	97	0.00	0.0	8.406	0.073	0	0	0	4
PL.19233	PL.20214	A	#2 ACSR	7.37Y	122.8	0.00	2.22	0.00	0	0	0	100	0.00	0.0	8.436	0.030	0	0	0	0
PL.19232	PL.20214	A	6 A (CWC)	7.37Y	122.8	0.01	2.23	2.17	2	16	4	97	0.00	0.0	8.489	0.083	0	0	0	4
PL.19234	PL.19232	A	6 A (CWC)	7.37Y	122.8	0.01	2.24	2.17	2	16	4	97	0.00	0.0	8.602	0.113	13	3	1	4
PL.19235	PL.19234	A	6 A (CWC)	7.37Y	122.8	0.00	2.24	0.29	0	2	0	100	0.00	0.0	8.692	0.090	0	0	0	3
PL.19468	PL.19235	A	6 A (CWC)	7.37Y	122.8	0.00	2.24	0.29	0	2	0	100	0.00	0.0	8.772	0.080	0	0	0	3
PL.19469	PL.19468	A	6 A (CWC)	7.37Y	122.8	0.00	2.24	0.29	0	2	0	100	0.00	0.0	8.870	0.098	0	0	0	3
PL.20215	PL.19469	A	6 A (CWC)	7.37Y	122.8	0.00	2.24	0.29	0	2	0	100	0.00	0.0	8.964	0.094	0	0	0	3
PL.20216	PL.20215	A	6 A (CWC)	7.37Y	122.8	0.00	2.24	0.29	0	2	0	100	0.00	0.0	9.021	0.057	0	0	0	3
PL.19470	PL.20216	A	6 A (CWC)	7.37Y	122.8	0.00	2.24	0.29	0	2	0	100	0.00	0.0	9.131	0.110	2	0	3	3
PL.19359	PL.19147	ABC	#1/0 ACSR	7.37Y	122.8	0.03	2.21	25.75	11	554	129	97	0.10	0.0	8.074	0.056	11	2	2	165
PL.20387	PL.19359	A	#4 ACSR	7.37Y	122.8	0.00	2.21	0.49	0	3	1	95	0.00	0.0	8.078	0.004	0	0	0	2
PD.2903	PL.20387	A	20T	7.37Y	122.8	0.00	2.21	0.49	0	3	1	95	0.00	0.0	8.078	0.004	0	0	0	2
PL.20388	PD.2903	A	#4 ACSR	7.37Y	122.8	0.00	2.21	0.49	0	3	1	95	0.00	0.0	8.100	0.022	3	1	2	2
PL.20204	PL.19359	ABC	#1/0 ACSR	7.37Y	122.8	0.03	2.23	25.08	11	540	125	97	0.09	0.0	8.131	0.057	1	0	1	161
PL.20205	PL.20204	ABC	#1/0 ACSR	7.36Y	122.7	0.02	2.25	25.01	11	538	125	97	0.08	0.0	8.176	0.046	1	0	1	160

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Balanced Voltage Drop Report
Source: Beattyville

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.20389	PL.20205	A	#1/0 ACSR	7.36Y	122.7	0.00	2.25	1.68	1	12	3	97	0.00	0.0	8.181	0.005	0	0	0	2
PD.2904	PL.20389	A	20T	7.36Y	122.7	0.00	2.25	1.68	0	12	3	97	0.00	0.0	8.181	0.005	0	0	0	2
PL.20390	PD.2904	A	#1/0 ACSR	7.36Y	122.7	0.00	2.25	1.68	1	12	3	97	0.00	0.0	8.204	0.023	10	2	1	2
PL.20203	PL.20390	A	#1/0 ACSR	7.36Y	122.7	0.00	2.25	0.35	0	3	1	95	0.00	0.0	8.233	0.029	3	1	1	1
PL.20206	PL.20205	ABC	#1/0 ACSR	7.36Y	122.7	0.03	2.29	24.41	11	525	122	97	0.12	0.0	8.253	0.076	4	1	1	157
PL.20207	PL.20206	ABC	#1/0 ACSR	7.36Y	122.7	0.04	2.32	24.23	11	521	121	97	0.13	0.0	8.337	0.085	0	0	0	156
PL.19362	PL.20207	ABC	#1/0 ACSR	7.36Y	122.7	0.01	2.33	24.23	11	521	121	97	0.04	0.0	8.363	0.025	1	0	1	156
PL.20454	PL.19362	A	6 A (CWC)	7.36Y	122.7	0.00	2.33	0.47	0	3	1	95	0.00	0.0	8.367	0.005	0	0	0	1
PD.2938	PL.20454	A	20T	7.36Y	122.7	0.00	2.33	0.47	0	3	1	95	0.00	0.0	8.367	0.005	0	0	0	1
PL.20455	PD.2938	A	6 A (CWC)	7.36Y	122.7	0.00	2.33	0.47	0	3	1	95	0.00	0.0	8.428	0.061	3	1	1	1
PL.19152	PL.19362	A	6 A (CWC)	7.36Y	122.7	0.01	2.34	2.11	2	15	3	98	0.00	0.0	8.433	0.071	0	0	0	5
PL.20400	PL.19152	A	6 A (CWC)	7.36Y	122.7	0.00	2.34	2.11	2	15	3	98	0.00	0.0	8.438	0.004	0	0	0	5
PD.2909	PL.20400	A	20T	7.36Y	122.7	0.00	2.34	2.11	0	15	3	98	0.00	0.0	8.438	0.004	0	0	0	5
PL.20401	PD.2909	A	6 A (CWC)	7.36Y	122.7	0.01	2.35	2.11	2	15	3	98	0.00	0.0	8.512	0.074	0	0	0	5
PL.19193	PL.20401	A	6 A (CWC)	7.36Y	122.7	0.00	2.35	0.00	0	0	0	100	0.00	0.0	8.596	0.084	0	0	0	0
PL.19613	PL.20401	A	6 A (CWC)	7.36Y	122.6	0.02	2.36	2.11	2	15	3	98	0.00	0.0	8.678	0.166	0	0	0	5
PL.19199	PL.19613	A	6 A (CWC)	7.36Y	122.6	0.00	2.36	0.00	0	0	0	100	0.00	0.0	8.844	0.166	0	0	0	0
PL.19769	PL.19199	A	6 A (CWC)	7.36Y	122.6	0.00	2.36	0.00	0	0	0	100	0.00	0.0	8.961	0.117	0	0	0	0
PL.19614	PL.19613	A	6 A (CWC)	7.36Y	122.6	0.02	2.38	2.11	2	15	3	98	0.00	0.0	8.838	0.160	0	0	0	5
PL.19770	PL.19614	A	6 A (CWC)	7.36Y	122.6	0.01	2.39	2.11	2	15	3	98	0.00	0.0	8.937	0.098	0	0	0	5
PL.20199	PL.19770	A	6 A (CWC)	7.36Y	122.6	0.00	2.39	2.11	2	15	3	98	0.00	0.0	8.977	0.040	0	0	0	5
PL.20200	PL.20199	A	6 A (CWC)	7.36Y	122.6	0.00	2.40	2.11	2	15	3	98	0.00	0.0	9.023	0.046	0	0	0	5
PL.20198	PL.20200	A	6 A (CWC)	7.36Y	122.6	0.01	2.40	2.11	2	15	3	98	0.00	0.0	9.168	0.145	12	3	1	5
PL.20197	PL.20198	A	6 A (CWC)	7.36Y	122.6	0.00	2.41	0.48	0	3	1	95	0.00	0.0	9.267	0.100	0	0	2	4
PL.19207	PL.20197	A	#4 ACSR	7.36Y	122.6	0.00	2.41	0.48	0	3	1	95	0.00	0.0	9.407	0.140	0	0	0	2
PL.19771	PL.19207	A	#4 ACSR	7.36Y	122.6	0.00	2.41	0.48	0	3	1	95	0.00	0.0	9.488	0.081	0	0	0	2
PL.19200	PL.19771	A	#4 ACSR	7.36Y	122.6	0.00	2.41	0.48	0	3	1	95	0.00	0.0	9.654	0.166	0	0	0	2
PL.19208	PL.19200	A	6 A (CWC)	7.36Y	122.6	0.00	2.42	0.48	0	3	1	95	0.00	0.0	9.720	0.066	0	0	0	2
PL.20305	PL.19208	A	6 A (CWC)	7.35Y	122.6	0.00	2.42	0.48	0	3	1	95	0.00	0.0	9.807	0.087	0	0	1	2
PL.20306	PL.20305	A	6 A (CWC)	7.35Y	122.6	0.00	2.42	0.46	0	3	1	95	0.00	0.0	9.870	0.063	3	1	1	1
PL.19209	PL.19200	A	#4 ACSR	7.36Y	122.6	0.00	2.41	0.00	0	0	0	100	0.00	0.0	9.773	0.120	0	0	0	0

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Balanced Voltage Drop Report
Source: Beattyville

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.19363	PL.19362	ABC	#1/0 ACSR	7.36Y	122.6	0.04	2.37	23.32	10	502	116	97	0.14	0.0	8.462	0.099	3	1	1	149
PL.20402	PL.19363	A	6 A (CWC)	7.36Y	122.6	0.00	2.37	2.30	2	16	4	97	0.00	0.0	8.467	0.005	0	0	0	3
PD.2910	PL.20402	A	20T	7.36Y	122.6	0.00	2.37	2.30	0	16	4	97	0.00	0.0	8.467	0.005	0	0	0	3
PL.20403	PD.2910	A	6 A (CWC)	7.36Y	122.6	0.00	2.38	2.30	2	16	4	97	0.00	0.0	8.515	0.049	1	0	1	3
PL.20218	PL.20403	A	6 A (CWC)	7.36Y	122.6	0.00	2.38	2.21	2	16	4	97	0.00	0.0	8.563	0.048	16	4	2	2
PL.19909	PL.19363	ABC	#1/0 ACSR	7.36Y	122.6	0.02	2.39	22.43	10	482	112	97	0.06	0.0	8.510	0.048	0	0	0	145
PL.20217	PL.19909	ABC	#1/0 ACSR	7.36Y	122.6	0.02	2.41	21.93	10	471	109	97	0.05	0.0	8.549	0.039	0	0	2	144
PL.20219	PL.20217	ABC	#1/0 ACSR	7.35Y	122.6	0.03	2.44	21.92	10	471	109	97	0.10	0.0	8.630	0.082	8	2	1	142
PL.20220	PL.20219	ABC	#1/0 ACSR	7.35Y	122.5	0.03	2.47	21.53	9	463	107	97	0.09	0.0	8.705	0.074	0	0	0	141
PL.19615	PL.20220	ABC	#1/0 ACSR	7.35Y	122.5	0.03	2.50	21.30	9	458	106	97	0.10	0.0	8.787	0.082	0	0	0	140
PL.20406	PL.19615	C	#1/0 ACSR	7.35Y	122.5	0.00	2.50	3.76	2	27	6	98	0.00	0.0	8.792	0.004	0	0	0	3
PD.2913	PL.20406	C	20T	7.35Y	122.5	0.00	2.50	3.76	0	27	6	98	0.00	0.0	8.792	0.004	0	0	0	3
PL.20407	PD.2913	C	#1/0 ACSR	7.35Y	122.5	0.00	2.50	3.76	2	27	6	98	0.00	0.0	8.849	0.057	7	2	1	3
PL.20223	PL.20407	C	#1/0 ACSR	7.35Y	122.5	0.00	2.51	2.76	1	20	5	97	0.00	0.0	8.895	0.046	9	2	1	2
PL.20224	PL.20223	C	#1/0 ACSR	7.35Y	122.5	0.00	2.51	1.49	1	11	2	98	0.00	0.0	8.936	0.040	11	2	1	1
PL.19617	PL.19615	ABC	#1/0 ACSR	7.35Y	122.5	0.03	2.53	20.05	9	431	100	97	0.10	0.0	8.881	0.094	0	0	0	137
PL.19150	PL.19617	ABC	#1/0 ACSR	7.35Y	122.4	0.04	2.57	20.05	9	431	99	97	0.11	0.0	8.982	0.101	0	0	0	137
PL.20408	PL.19150	A	6 A (CWC)	7.35Y	122.4	0.00	2.57	7.18	5	51	12	97	0.00	0.0	8.987	0.005	0	0	0	7
PD.2914	PL.20408	A	20T	7.35Y	122.4	0.00	2.57	7.18	0	51	12	97	0.00	0.0	8.987	0.005	0	0	0	7
PL.20409	PD.2914	A	6 A (CWC)	7.34Y	122.4	0.02	2.59	7.18	5	51	12	97	0.01	0.0	9.053	0.067	0	0	0	7
PL.19619	PL.20409	A	6 A (CWC)	7.34Y	122.4	0.02	2.61	5.42	4	39	9	97	0.00	0.0	9.143	0.089	19	4	2	6
PL.19211	PL.19619	A	#4 ACSR	7.34Y	122.4	0.01	2.62	2.83	2	20	5	97	0.00	0.0	9.251	0.109	2	0	1	4
PL.19188	PL.19211	A	#4 ACSR	7.34Y	122.4	0.01	2.63	2.56	2	18	4	98	0.00	0.0	9.309	0.058	0	0	0	3
PL.19189	PL.19188	A	#4 ACSR	7.34Y	122.4	0.00	2.63	0.00	0	0	0	100	0.00	0.0	9.460	0.151	0	0	0	0
PL.20221	PL.19189	A	#4 ACSR	7.34Y	122.4	0.00	2.63	0.00	0	0	0	100	0.00	0.0	9.585	0.125	0	0	0	0
PL.20222	PL.20221	A	#4 ACSR	7.34Y	122.4	0.00	2.63	0.00	0	0	0	100	0.00	0.0	9.646	0.060	0	0	0	0
PL.20225	PL.19188	A	#4 ACSR	7.34Y	122.4	0.00	2.63	2.56	2	18	4	98	0.00	0.0	9.339	0.031	0	0	1	3
PL.20226	PL.20225	A	#4 ACSR	7.34Y	122.4	0.01	2.64	2.51	2	18	4	98	0.00	0.0	9.467	0.128	0	0	0	2
PL.19201	PL.20226	A	#4 ACSR	7.34Y	122.4	0.00	2.64	1.52	1	11	2	98	0.00	0.0	9.506	0.039	11	2	1	1
PL.19212	PL.20226	A	#2 ACSR	7.34Y	122.4	0.00	2.65	1.00	1	7	2	96	0.00	0.0	9.650	0.183	7	2	1	1
PL.19187	PL.20409	A	#1/0 ACSR	7.34Y	122.4	0.00	2.59	1.77	1	13	3	97	0.00	0.0	9.114	0.061	13	3	1	1

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Balanced Voltage Drop Report
Source: Beattyville

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.19618	PL.19150	ABC	#1/0 ACSR	7.34Y	122.4	0.03	2.60	17.65	8	379	88	97	0.08	0.0	9.073	0.091	0	0	0	130
PL.19772	PL.19618	ABC	#1/0 ACSR	7.34Y	122.4	0.05	2.65	17.65	8	379	88	97	0.15	0.0	9.249	0.176	0	0	0	130
PL.20410	PL.19772	C	#2 ACSR	7.34Y	122.3	0.00	2.65	3.03	2	22	5	98	0.00	0.0	9.253	0.005	0	0	0	4
PD.2915	PL.20410	C	20T	7.34Y	122.3	0.00	2.65	3.03	0	22	5	98	0.00	0.0	9.253	0.005	0	0	0	4
PL.20411	PD.2915	C	#2 ACSR	7.34Y	122.3	0.00	2.65	3.03	2	22	5	98	0.00	0.0	9.260	0.006	0	0	0	4
PL.19621	PL.20411	C	#2 ACSR	7.34Y	122.3	0.00	2.65	0.50	0	4	1	97	0.00	0.0	9.294	0.034	4	1	1	1
PL.20227	PL.20411	C	#2 ACSR	7.34Y	122.3	0.00	2.65	2.53	1	18	4	98	0.00	0.0	9.312	0.053	9	2	2	3
PL.20228	PL.20227	C	#2 ACSR	7.34Y	122.3	0.00	2.66	1.29	1	9	2	98	0.00	0.0	9.402	0.089	0	0	0	1
PL.19194	PL.20228	C	#1/0 ACSR	7.34Y	122.3	0.00	2.66	1.29	1	9	2	98	0.00	0.0	9.460	0.058	9	2	1	1
PL.19620	PL.19772	ABC	#1/0 ACSR	7.34Y	122.3	0.03	2.68	16.64	7	357	83	97	0.09	0.0	9.365	0.116	0	0	0	126
PL.19622	PL.19620	ABC	#1/0 ACSR	7.34Y	122.3	0.01	2.69	14.73	6	316	73	97	0.01	0.0	9.389	0.024	0	0	0	118
PL.20229	PL.19622	ABC	#1/0 ACSR	7.34Y	122.3	0.01	2.70	14.73	6	316	73	97	0.02	0.0	9.431	0.043	2	0	1	118
PL.20231	PL.20229	ABC	#1/0 ACSR	7.34Y	122.3	0.01	2.72	14.63	6	314	73	97	0.03	0.0	9.489	0.057	10	2	1	117
PL.20232	PL.20231	ABC	#1/0 ACSR	7.33Y	122.2	0.04	2.75	14.18	6	304	70	97	0.08	0.0	9.633	0.144	7	2	2	116
PL.20233	PL.20232	ABC	#1/0 ACSR	7.33Y	122.2	0.02	2.77	13.87	6	297	69	97	0.04	0.0	9.707	0.074	0	0	0	114
PL.20414	PL.20233	C	6 A (CWC)	7.33Y	122.2	0.00	2.77	0.33	0	2	1	89	0.00	0.0	9.711	0.005	0	0	0	2
PD.2917	PL.20414	C	20T	7.33Y	122.2	0.00	2.77	0.33	0	2	1	89	0.00	0.0	9.711	0.005	0	0	0	2
PL.20415	PD.2917	C	6 A (CWC)	7.33Y	122.2	0.00	2.77	0.33	0	2	1	89	0.00	0.0	9.751	0.040	2	1	2	2
PL.20234	PL.20233	ABC	#1/0 ACSR	7.33Y	122.2	0.02	2.79	13.76	6	295	68	97	0.05	0.0	9.803	0.096	8	2	1	112
PL.20235	PL.20234	ABC	#1/0 ACSR	7.33Y	122.2	0.02	2.81	13.39	6	287	66	97	0.04	0.0	9.878	0.075	0	0	0	111
PL.19625	PL.20235	ABC	#1/0 ACSR	7.33Y	122.2	0.02	2.83	13.39	6	287	66	97	0.04	0.0	9.960	0.082	3	1	1	111
PL.20416	PL.19625	B	6 A (CWC)	7.33Y	122.2	0.00	2.83	6.86	5	49	11	98	0.00	0.0	9.965	0.005	0	0	0	12
PD.2918	PL.20416	B	20T	7.33Y	122.2	0.00	2.83	6.86	0	49	11	98	0.00	0.0	9.965	0.005	0	0	0	12
PL.20417	PD.2918	B	6 A (CWC)	7.33Y	122.2	0.01	2.84	6.86	5	49	11	98	0.00	0.0	10.007	0.042	0	0	0	12
PL.20251	PL.20417	B	6 A (CWC)	7.33Y	122.1	0.02	2.86	6.86	5	49	11	98	0.01	0.0	10.068	0.061	6	1	1	12
PL.20252	PL.20251	B	6 A (CWC)	7.33Y	122.1	0.02	2.88	6.07	4	43	10	97	0.01	0.0	10.138	0.070	1	0	1	11
PL.20286	PL.20252	B	6 A (CWC)	7.32Y	122.1	0.04	2.92	5.97	4	43	10	97	0.01	0.0	10.289	0.151	9	2	1	10
PL.20287	PL.20286	B	6 A (CWC)	7.32Y	122.0	0.03	2.95	4.70	3	34	8	97	0.01	0.0	10.473	0.184	7	2	2	9
PL.20002	PL.20287	B	6 A (CWC)	7.32Y	122.0	0.02	2.97	3.67	3	26	6	97	0.00	0.0	10.563	0.091	0	0	0	7
PL.20000	PL.20002	B	#2 ACSR	7.32Y	122.0	0.00	2.97	0.60	0	4	1	97	0.00	0.0	10.582	0.019	2	0	1	2
PL.20001	PL.20000	B	#2 ACSR	7.32Y	122.0	0.00	2.97	0.36	0	3	1	95	0.00	0.0	10.616	0.034	3	1	1	1

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Balanced Voltage Drop Report
Source: Beattyville

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.19197	PL.20002	B	#4 ACSR	7.32Y	122.0	0.00	2.97	0.85	1	6	1	99	0.00	0.0	10.696	0.133	6	1	1	1
PL.19196	PL.20002	B	6 A (CWC)	7.32Y	122.0	0.01	2.97	2.22	2	16	4	97	0.00	0.0	10.642	0.079	8	2	3	4
PL.19198	PL.19196	B	6 A (CWC)	7.32Y	122.0	0.00	2.98	1.12	1	8	2	97	0.00	0.0	10.792	0.150	8	2	1	1
PL.19182	PL.19625	ABC	#1/0 ACSR	7.33Y	122.2	0.01	2.84	10.98	5	235	54	97	0.01	0.0	9.993	0.032	1	0	2	98
PL.19183	PL.19182	ABC	#1/0 ACSR	7.33Y	122.2	0.01	2.85	10.96	5	235	54	97	0.02	0.0	10.049	0.056	2	1	1	96
PL.20253	PL.19183	ABC	#1/0 ACSR	7.33Y	122.1	0.03	2.87	10.85	5	232	54	97	0.04	0.0	10.187	0.138	0	0	0	95
PL.20254	PL.20253	ABC	#1/0 ACSR	7.33Y	122.1	0.03	2.90	10.85	5	232	54	97	0.04	0.0	10.327	0.139	0	0	1	95
PL.19184	PL.20254	C	#1/0 ACSR	7.33Y	122.1	0.01	2.91	4.51	2	32	7	98	0.00	0.0	10.427	0.100	1	0	1	18
PL.20482	PL.19184	C	#1/0 ACSR	7.32Y	122.1	0.01	2.92	4.35	2	31	7	98	0.00	0.0	10.545	0.118	0	0	0	17
PD.2956	PL.20482	C	25H	7.32Y	122.1	0.00	2.92	4.35	17	31	7	98	0.00	0.0	10.545	0.118	0	0	0	17
PL.20483	PD.2956	C	#1/0 ACSR	7.32Y	122.1	0.01	2.93	4.35	2	31	7	98	0.00	0.0	10.647	0.101	0	0	0	17
PL.19471	PL.20483	C	#1/0 ACSR	7.32Y	122.1	0.00	2.94	4.35	2	31	7	98	0.00	0.0	10.695	0.049	0	0	0	17
PL.19472	PL.19471	C	#1/0 ACSR	7.32Y	122.0	0.02	2.95	4.35	2	31	7	98	0.00	0.0	10.849	0.153	0	0	0	17
PL.19774	PL.19472	C	#1/0 ACSR	7.32Y	122.0	0.01	2.96	4.35	2	31	7	98	0.00	0.0	10.945	0.096	0	0	0	17
PL.19775	PL.19774	C	#1/0 ACSR	7.32Y	122.0	0.01	2.98	4.35	2	31	7	98	0.00	0.0	11.076	0.131	0	0	0	17
PL.19776	PL.19775	C	#1/0 ACSR	7.32Y	122.0	0.01	2.99	4.35	2	31	7	98	0.00	0.0	11.181	0.104	0	0	0	17
PL.19836	PL.19776	C	#1/0 ACSR	7.32Y	122.0	0.01	3.00	4.35	2	31	7	98	0.00	0.0	11.326	0.146	1	0	1	17
PL.19996	PL.19836	C	#4 ACSR	7.32Y	122.0	0.00	3.00	0.51	0	4	1	97	0.00	0.0	11.421	0.094	4	1	1	1
PL.19997	PL.19996	C	#4 ACSR	7.32Y	122.0	0.00	3.00	0.00	0	0	0	100	0.00	0.0	11.521	0.101	0	0	0	0
PL.19248	PL.19997	C	#4 ACSR	7.32Y	122.0	0.00	3.00	0.00	0	0	0	100	0.00	0.0	11.617	0.096	0	0	0	0
PL.19473	PL.19248	C	#4 ACSR	7.32Y	122.0	0.00	3.00	0.00	0	0	0	100	0.00	0.0	11.703	0.086	0	0	0	0
PL.19994	PL.19836	C	#1/0 ACSR	7.32Y	122.0	0.01	3.01	3.66	2	26	6	97	0.00	0.0	11.399	0.072	1	0	1	15
PL.19995	PL.19994	C	#1/0 ACSR	7.32Y	122.0	0.01	3.02	3.54	2	25	6	97	0.00	0.0	11.516	0.118	0	0	0	14
PL.19984	PL.19995	C	#1/0 ACSR	7.32Y	122.0	0.00	3.02	2.56	1	18	4	98	0.00	0.0	11.597	0.081	0	0	0	13
PL.19985	PL.19984	C	#1/0 ACSR	7.32Y	122.0	0.01	3.03	2.56	1	18	4	98	0.00	0.0	11.725	0.128	0	0	0	13
PL.19777	PL.19985	C	#1/0 ACSR	7.32Y	122.0	0.01	3.03	2.56	1	18	4	98	0.00	0.0	11.817	0.092	0	0	0	13
PL.19989	PL.19777	C	6 A (CWC)	7.32Y	122.0	0.00	3.04	1.61	1	11	3	96	0.00	0.0	11.889	0.072	2	0	2	6
PL.19990	PL.19989	C	6 A (CWC)	7.32Y	122.0	0.00	3.04	1.39	1	10	2	98	0.00	0.0	11.938	0.049	3	1	1	4
PL.19988	PL.19990	C	6 A (CWC)	7.32Y	122.0	0.00	3.04	0.93	1	7	2	96	0.00	0.0	11.992	0.054	0	0	0	3
PL.19250	PL.19988	C	#4 ACSR	7.32Y	122.0	0.00	3.04	0.55	0	4	1	97	0.00	0.0	12.037	0.045	4	1	2	2
PL.19626	PL.19988	C	6 A (CWC)	7.32Y	122.0	0.00	3.05	0.38	0	3	1	95	0.00	0.0	12.090	0.098	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: Beattyville

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.19778	PL.19626	C	6 A (CWC)	7.32Y	122.0	0.00	3.05	0.38	0	3	1	95	0.00	0.0	12.187	0.096	3	1	1	1
PL.19986	PL.19777	C	#1/0 ACSR	7.32Y	122.0	0.00	3.04	0.95	0	7	2	96	0.00	0.0	11.894	0.077	7	2	2	7
PL.19987	PL.19986	C	#1/0 ACSR	7.32Y	122.0	0.00	3.04	0.00	0	0	0	100	0.00	0.0	11.999	0.106	0	0	0	5
PL.19474	PL.19987	C	#1/0 ACSR	7.32Y	122.0	0.00	3.04	0.00	0	0	0	100	0.00	0.0	12.093	0.094	0	0	0	5
PL.19779	PL.19474	C	#1/0 ACSR	7.32Y	122.0	0.00	3.04	0.00	0	0	0	100	0.00	0.0	12.205	0.113	0	0	0	5
PL.19992	PL.19779	C	#1/0 ACSR	7.32Y	122.0	0.00	3.04	0.00	0	0	0	100	0.00	0.0	12.275	0.070	0	0	2	4
PL.19993	PL.19992	C	#1/0 ACSR	7.32Y	122.0	0.00	3.04	0.00	0	0	0	100	0.00	0.0	12.337	0.062	0	0	1	2
PL.19991	PL.19993	C	#1/0 ACSR	7.32Y	122.0	0.00	3.04	0.00	0	0	0	100	0.00	0.0	12.397	0.060	0	0	1	1
PL.20472	PL.19991	C	#1/0 ACSR	7.32Y	122.0	0.00	3.04	0.00	0	0	0	100	0.00	0.0	12.450	0.053	0	0	0	0
PD.2950-A	PL.20472	C	Open	7.32Y	122.0	0.00	3.04	0.00	0	0	0	100	0.00	0.0	12.450	0.053	0	0	0	0
PL.19251	PL.19779	C	#4 ACSR	7.32Y	122.0	0.00	3.04	0.00	0	0	0	100	0.00	0.0	12.260	0.055	0	0	1	1
PL.19249	PL.19995	C	#4 ACSR	7.32Y	122.0	0.00	3.02	0.99	1	7	2	96	0.00	0.0	11.549	0.033	7	2	1	1
PL.20484	PL.20254	A	6 A (CWC)	7.32Y	122.0	0.06	2.96	27.99	20	200	46	97	0.09	0.0	10.372	0.046	0	0	0	76
PD.2957	PL.20484	A	50L	7.32Y	122.0	0.00	2.96	27.99	56	200	46	97	0.00	0.0	10.372	0.046	0	0	0	76
PL.20485	PD.2957	A	6 A (CWC)	7.32Y	122.0	0.03	2.99	27.99	20	200	46	97	0.05	0.0	10.399	0.026	3	1	4	76
PL.19252	PL.20485	A	6 A (CWC)	7.31Y	121.9	0.10	3.09	27.50	20	196	45	97	0.14	0.1	10.477	0.078	0	0	0	72
PL.19253	PL.19252	A	6 A (CWC)	7.31Y	121.8	0.10	3.18	27.50	20	196	45	97	0.14	0.1	10.554	0.077	0	0	0	72
PL.19998	PL.19253	A	6 A (CWC)	7.30Y	121.7	0.14	3.32	26.54	19	189	44	97	0.19	0.1	10.668	0.113	0	0	1	71
PL.19999	PL.19998	A	6 A (CWC)	7.29Y	121.5	0.20	3.52	26.50	19	189	43	98	0.28	0.1	10.837	0.170	11	2	1	70
PL.19255	PL.19999	A	6 A (CWC)	7.29Y	121.5	0.03	3.55	24.96	18	177	41	97	0.04	0.0	10.864	0.027	0	0	0	69
PL.19969	PL.19255	A	6 A (CWC)	7.28Y	121.4	0.08	3.62	24.96	18	177	41	97	0.10	0.1	10.933	0.069	1	0	1	69
PL.19970	PL.19969	A	6 A (CWC)	7.28Y	121.3	0.12	3.74	24.84	18	176	40	98	0.16	0.1	11.043	0.110	7	2	1	68
PL.19968	PL.19970	A	6 A (CWC)	7.27Y	121.2	0.05	3.80	23.87	17	169	39	97	0.07	0.0	11.094	0.051	0	0	0	67
PL.19966	PL.19968	A	6 A (CWC)	7.27Y	121.1	0.08	3.88	18.74	13	133	30	98	0.08	0.1	11.191	0.097	8	2	2	53
PL.20480	PL.19966	A	6 A (CWC)	7.27Y	121.1	0.00	3.88	17.61	13	125	29	97	0.00	0.0	11.194	0.003	0	0	0	51
PD.2955	PL.20480	A	100CodeSMo	7.27Y	121.1	0.00	3.88	17.61	0	125	29	97	0.00	0.0	11.194	0.003	0	0	0	51
PL.20481	PD.2955	A	6 A (CWC)	7.26Y	121.0	0.07	3.95	17.61	13	125	29	97	0.07	0.1	11.283	0.089	1	0	4	51
PL.19898	PL.20481	A	6 A (CWC)	7.26Y	121.0	0.05	4.00	16.75	12	119	27	98	0.05	0.0	11.351	0.068	0	0	0	42
PL.19631	PL.19898	A	6 A (CWC)	7.25Y	120.9	0.11	4.11	13.46	10	95	22	97	0.08	0.1	11.526	0.175	0	0	0	37
PL.19962	PL.19631	A	6 A (CWC)	7.25Y	120.9	0.04	4.15	13.22	9	93	21	98	0.03	0.0	11.593	0.067	6	1	3	34
PL.19963	PL.19962	A	6 A (CWC)	7.25Y	120.8	0.04	4.19	12.34	9	87	20	97	0.03	0.0	11.668	0.075	0	0	1	31

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: Beattyville

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.19894	PL.19963	A	6 A (CWC)	7.24Y	120.7	0.09	4.28	11.99	9	85	19	98	0.06	0.1	11.838	0.169	1	0	1	29
PL.19892	PL.19894	A	6 A (CWC)	7.24Y	120.7	0.03	4.31	11.84	8	84	19	98	0.02	0.0	11.900	0.062	0	0	0	28
PL.19273	PL.19892	A	#4 ACSR	7.24Y	120.7	0.00	4.31	0.55	0	4	1	97	0.00	0.0	11.951	0.051	4	1	1	1
PL.19632	PL.19892	A	6 A (CWC)	7.24Y	120.6	0.04	4.36	11.29	8	80	18	98	0.02	0.0	11.980	0.080	0	0	0	27
PL.19275	PL.19632	A	#4 ACSR	7.24Y	120.6	0.00	4.36	0.00	0	0	0	100	0.00	0.0	12.006	0.026	0	0	0	0
PL.19274	PL.19275	A	#4 ACSR	7.24Y	120.6	0.00	4.36	0.00	0	0	0	100	0.00	0.0	12.044	0.038	0	0	0	0
PL.19890	PL.19632	A	6 A (CWC)	7.24Y	120.6	0.06	4.41	11.29	8	80	18	98	0.03	0.0	12.105	0.125	13	3	4	27
PL.19277	PL.19890	A	#4 ACSR	7.24Y	120.6	0.00	4.42	0.82	1	6	1	99	0.00	0.0	12.154	0.049	0	0	0	2
PL.19475	PL.19277	A	#4 ACSR	7.23Y	120.6	0.00	4.42	0.82	1	6	1	99	0.00	0.0	12.248	0.094	6	1	2	2
PL.19278	PL.19277	A	#2 ACSR	7.24Y	120.6	0.00	4.42	0.00	0	0	0	100	0.00	0.0	12.205	0.050	0	0	0	0
PL.19891	PL.19890	A	6 A (CWC)	7.23Y	120.6	0.01	4.42	8.61	6	61	14	97	0.00	0.0	12.133	0.028	0	0	0	21
PL.19276	PL.19891	A	6 A (CWC)	7.23Y	120.6	0.02	4.45	8.61	6	61	14	97	0.01	0.0	12.190	0.057	0	0	0	21
PL.19633	PL.19276	A	6 A (CWC)	7.23Y	120.5	0.02	4.47	7.37	5	52	12	97	0.01	0.0	12.259	0.070	0	0	1	19
PL.19958	PL.19633	A	6 A (CWC)	7.23Y	120.5	0.05	4.52	7.34	5	52	12	97	0.02	0.0	12.422	0.163	5	1	2	18
PL.19959	PL.19958	A	6 A (CWC)	7.23Y	120.4	0.04	4.56	6.63	5	47	11	97	0.01	0.0	12.572	0.150	8	2	1	16
PL.19950	PL.19959	A	6 A (CWC)	7.23Y	120.4	0.01	4.57	5.53	4	39	9	97	0.00	0.0	12.605	0.033	4	1	1	15
PL.19951	PL.19950	A	6 A (CWC)	7.22Y	120.4	0.02	4.59	4.95	4	35	8	97	0.01	0.0	12.695	0.089	0	0	0	14
PL.19832	PL.19951	A	6 A (CWC)	7.22Y	120.4	0.00	4.59	4.95	4	35	8	97	0.00	0.0	12.705	0.011	2	0	1	14
PL.19282	PL.19832	A	6 A (CWC)	7.22Y	120.4	0.00	4.59	0.60	0	4	1	97	0.00	0.0	12.804	0.099	0	0	0	2
PL.19780	PL.19282	A	6 A (CWC)	7.22Y	120.4	0.00	4.60	0.60	0	4	1	97	0.00	0.0	12.943	0.139	0	0	0	2
PL.19792	PL.19780	A	6 A (CWC)	7.22Y	120.4	0.00	4.60	0.60	0	4	1	97	0.00	0.0	13.000	0.057	0	0	0	2
PL.19288	PL.19792	A	#1/0 ACSR	7.22Y	120.4	0.00	4.60	0.60	0	4	1	97	0.00	0.0	13.119	0.119	4	1	2	2
PL.19833	PL.19832	A	6 A (CWC)	7.22Y	120.4	0.03	4.62	4.08	3	29	7	97	0.01	0.0	12.874	0.168	0	0	0	11
PL.19948	PL.19833	A	6 A (CWC)	7.22Y	120.4	0.02	4.65	4.08	3	29	7	97	0.00	0.0	13.008	0.135	4	1	1	11
PL.19949	PL.19948	A	6 A (CWC)	7.22Y	120.4	0.00	4.65	3.46	2	24	6	97	0.00	0.0	13.032	0.024	2	1	1	10
PL.19947	PL.19949	A	6 A (CWC)	7.22Y	120.3	0.01	4.66	3.12	2	22	5	98	0.00	0.0	13.129	0.097	6	1	2	9
PL.19946	PL.19947	A	6 A (CWC)	7.22Y	120.3	0.01	4.67	2.28	2	16	4	97	0.00	0.0	13.198	0.069	1	0	1	7
PL.19945	PL.19946	A	6 A (CWC)	7.22Y	120.3	0.01	4.68	2.07	1	15	3	98	0.00	0.0	13.310	0.112	0	0	0	6
PL.19941	PL.19945	A	6 A (CWC)	7.22Y	120.3	0.00	4.68	2.07	1	15	3	98	0.00	0.0	13.367	0.057	6	1	1	6
PL.32655	PL.19941	A	6 A (CWC)	7.22Y	120.3	0.00	4.68	1.18	1	8	2	97	0.00	0.0	13.369	0.003	0	0	0	5
PD.4880	PL.32655	A	20T	7.22Y	120.3	0.00	4.68	1.18	0	8	2	97	0.00	0.0	13.369	0.003	0	0	0	5

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Balanced Voltage Drop Report
Source: Beattyville

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.32656	PD.4880	A	6 A (CWC)	7.22Y	120.3	0.00	4.69	1.18	1	8	2	97	0.00	0.0	13.447	0.077	0	0	0	5
PL.19781	PL.32656	A	6 A (CWC)	7.22Y	120.3	0.01	4.70	1.18	1	8	2	97	0.00	0.0	13.642	0.195	0	0	0	5
PL.19943	PL.19781	A	6 A (CWC)	7.22Y	120.3	0.00	4.70	1.18	1	8	2	97	0.00	0.0	13.746	0.104	2	1	1	5
PL.19944	PL.19943	A	6 A (CWC)	7.22Y	120.3	0.00	4.71	0.85	1	6	1	99	0.00	0.0	13.854	0.108	0	0	0	4
PL.19939	PL.19944	A	6 A (CWC)	7.22Y	120.3	0.00	4.71	0.85	1	6	1	99	0.00	0.0	13.898	0.044	0	0	0	4
PL.19940	PL.19939	A	6 A (CWC)	7.22Y	120.3	0.00	4.71	0.85	1	6	1	99	0.00	0.0	13.992	0.094	0	0	0	4
PL.19782	PL.19940	A	6 A (CWC)	7.22Y	120.3	0.00	4.72	0.85	1	6	1	99	0.00	0.0	14.091	0.099	0	0	0	4
PL.19634	PL.19782	A	6 A (CWC)	7.22Y	120.3	0.00	4.72	0.68	0	5	1	98	0.00	0.0	14.165	0.073	3	1	1	2
PL.19284	PL.19634	A	6 A (CWC)	7.22Y	120.3	0.00	4.72	0.29	0	2	0	100	0.00	0.0	14.274	0.109	2	0	1	1
PL.19285	PL.19782	A	6 A (CWC)	7.22Y	120.3	0.00	4.72	0.16	0	1	0	100	0.00	0.0	14.233	0.142	0	0	0	2
PL.19286	PL.19285	A	6 A (CWC)	7.22Y	120.3	0.00	4.72	0.08	0	1	0	100	0.00	0.0	14.357	0.124	0	0	0	1
PL.19783	PL.19286	A	6 A (CWC)	7.22Y	120.3	0.00	4.72	0.08	0	1	0	100	0.00	0.0	14.502	0.145	0	0	0	1
PL.19784	PL.19783	A	6 A (CWC)	7.22Y	120.3	0.00	4.72	0.08	0	1	0	100	0.00	0.0	14.628	0.126	1	0	1	1
PL.19287	PL.19285	A	6 A (CWC)	7.22Y	120.3	0.00	4.72	0.08	0	1	0	100	0.00	0.0	14.305	0.072	1	0	1	1
PL.19283	PL.19944	A	#2 ACSR	7.22Y	120.3	0.00	4.71	0.00	0	0	0	100	0.00	0.0	13.922	0.068	0	0	0	0
PL.19280	PL.19633	A	6 A (CWC)	7.23Y	120.5	0.00	4.47	0.00	0	0	0	100	0.00	0.0	12.305	0.045	0	0	0	0
PL.19281	PL.19280	A	#4 ACSR	7.23Y	120.5	0.00	4.47	0.00	0	0	0	100	0.00	0.0	12.337	0.033	0	0	0	0
PL.19279	PL.19276	A	#4 ACSR	7.23Y	120.6	0.00	4.45	1.24	1	9	2	98	0.00	0.0	12.210	0.020	9	2	2	2
PL.19271	PL.19894	A	#4 ACSR	7.24Y	120.7	0.00	4.28	0.00	0	0	0	100	0.00	0.0	11.904	0.067	0	0	0	0
PL.19270	PL.19963	A	6 A (CWC)	7.25Y	120.8	0.00	4.19	0.36	0	3	1	95	0.00	0.0	11.743	0.074	3	1	1	1
PL.19960	PL.19631	A	6 A (CWC)	7.25Y	120.9	0.00	4.11	0.24	0	2	0	100	0.00	0.0	11.651	0.125	1	0	2	3
PL.19961	PL.19960	A	6 A (CWC)	7.25Y	120.9	0.00	4.11	0.15	0	1	0	100	0.00	0.0	11.720	0.069	1	0	1	1
PL.19265	PL.19898	A	#4 ACSR	7.26Y	121.0	0.01	4.02	3.29	3	23	5	98	0.00	0.0	11.458	0.107	6	1	1	5
PL.19266	PL.19265	A	6 A (CWC)	7.26Y	121.0	0.01	4.03	2.49	2	18	4	98	0.00	0.0	11.620	0.162	8	2	3	4
PL.19267	PL.19266	A	#2 ACSR	7.26Y	121.0	0.00	4.03	1.33	1	9	2	98	0.00	0.0	11.705	0.085	9	2	1	1
PL.19268	PL.19898	A	#4 ACSR	7.26Y	121.0	0.00	4.00	0.00	0	0	0	100	0.00	0.0	11.393	0.042	0	0	0	0
PL.19263	PL.20481	A	6 A (CWC)	7.26Y	121.0	0.00	3.95	0.74	1	5	1	98	0.00	0.0	11.325	0.042	2	0	4	5
PL.19264	PL.19263	A	#4 ACSR	7.26Y	121.0	0.00	3.95	0.44	0	3	1	95	0.00	0.0	11.353	0.028	3	1	1	1
PL.19628	PL.19968	A	6 A (CWC)	7.27Y	121.2	0.02	3.82	5.13	4	36	8	98	0.01	0.0	11.180	0.086	0	0	0	14
PL.20319	PL.19628	A	6 A (CWC)	7.27Y	121.2	0.00	3.82	5.13	4	36	8	98	0.00	0.0	11.185	0.005	0	0	0	14
PD.2841	PL.20319	A	15T	7.27Y	121.2	0.00	3.82	5.13	0	36	8	98	0.00	0.0	11.185	0.005	0	0	0	14

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: Beattyville

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.20320	PD.2841	A	6 A (CWC)	7.27Y	121.2	0.01	3.83	5.13	4	36	8	98	0.00	0.0	11.239	0.055	3	1	1	14
PL.19967	PL.20320	A	6 A (CWC)	7.27Y	121.2	0.02	3.85	4.69	3	33	8	97	0.00	0.0	11.316	0.077	0	0	0	13
PL.19256	PL.19967	A	#1/0 ACSR	7.27Y	121.2	0.00	3.85	0.57	0	4	1	97	0.00	0.0	11.341	0.025	4	1	2	2
PL.19629	PL.19967	A	6 A (CWC)	7.27Y	121.1	0.01	3.86	4.12	3	29	7	97	0.00	0.0	11.390	0.074	0	0	0	11
PL.19257	PL.19629	A	#4 ACSR	7.27Y	121.1	0.00	3.86	0.99	1	7	2	96	0.00	0.0	11.484	0.094	7	2	2	2
PL.19889	PL.19629	A	6 A (CWC)	7.27Y	121.1	0.01	3.87	3.13	2	22	5	98	0.00	0.0	11.473	0.082	6	1	1	9
PL.19964	PL.19889	A	6 A (CWC)	7.27Y	121.1	0.01	3.88	2.26	2	16	4	97	0.00	0.0	11.560	0.087	4	1	1	8
PL.19965	PL.19964	A	6 A (CWC)	7.27Y	121.1	0.01	3.89	1.72	1	12	3	97	0.00	0.0	11.708	0.149	0	0	0	7
PL.19785	PL.19965	A	6 A (CWC)	7.27Y	121.1	0.01	3.90	1.72	1	12	3	97	0.00	0.0	11.795	0.086	0	0	0	7
PL.19954	PL.19785	A	6 A (CWC)	7.27Y	121.1	0.01	3.90	1.51	1	11	2	98	0.00	0.0	11.880	0.085	0	0	1	6
PL.19955	PL.19954	A	6 A (CWC)	7.27Y	121.1	0.01	3.91	1.44	1	10	2	98	0.00	0.0	11.979	0.099	1	0	1	5
PL.19953	PL.19955	A	6 A (CWC)	7.27Y	121.1	0.00	3.91	1.28	1	9	2	98	0.00	0.0	12.046	0.067	0	0	0	4
PL.19952	PL.19953	A	6 A (CWC)	7.26Y	121.1	0.01	3.92	1.28	1	9	2	98	0.00	0.0	12.208	0.162	8	2	2	4
PL.19260	PL.19952	A	6 A (CWC)	7.26Y	121.1	0.00	3.92	0.00	0	0	0	100	0.00	0.0	12.323	0.115	0	0	0	0
PL.19831	PL.19952	A	6 A (CWC)	7.26Y	121.1	0.00	3.92	0.21	0	1	0	100	0.00	0.0	12.274	0.066	0	0	0	2
PL.20288	PL.19831	A	6 A (CWC)	7.26Y	121.1	0.00	3.92	0.21	0	1	0	100	0.00	0.0	12.366	0.092	1	0	2	2
PL.20289	PL.20288	A	6 A (CWC)	7.26Y	121.1	0.00	3.92	0.00	0	0	0	100	0.00	0.0	12.468	0.102	0	0	0	0
PL.19259	PL.19785	A	6 A (CWC)	7.27Y	121.1	0.00	3.90	0.00	0	0	0	100	0.00	0.0	11.858	0.063	0	0	0	0
PL.19956	PL.19785	A	6 A (CWC)	7.27Y	121.1	0.00	3.90	0.21	0	1	0	100	0.00	0.0	11.889	0.094	1	0	1	1
PL.19957	PL.19956	A	6 A (CWC)	7.27Y	121.1	0.00	3.90	0.00	0	0	0	100	0.00	0.0	12.026	0.137	0	0	0	0
PL.19258	PL.19889	A	#4 ACSR	7.27Y	121.1	0.00	3.87	0.00	0	0	0	100	0.00	0.0	11.520	0.048	0	0	0	0
PL.19254	PL.19253	A	#2 ACSR	7.31Y	121.8	0.00	3.18	0.96	1	7	2	96	0.00	0.0	10.567	0.013	7	2	1	1
PL.20412	PL.19620	A	6 A (CWC)	7.34Y	122.3	0.00	2.69	5.75	4	41	9	98	0.00	0.0	9.370	0.005	0	0	0	8
PD.2916	PL.20412	A	20T	7.34Y	122.3	0.00	2.69	5.75	0	41	9	98	0.00	0.0	9.370	0.005	0	0	0	8
PL.20413	PD.2916	A	6 A (CWC)	7.34Y	122.3	0.02	2.71	5.75	4	41	9	98	0.01	0.0	9.463	0.094	4	1	1	8
PL.20230	PL.20413	A	6 A (CWC)	7.34Y	122.3	0.02	2.73	5.20	4	37	8	98	0.00	0.0	9.537	0.074	0	0	0	7
PL.19202	PL.20230	A	6 A (CWC)	7.33Y	122.2	0.04	2.77	5.20	4	37	8	98	0.01	0.0	9.710	0.173	0	0	0	7
PL.19205	PL.19202	A	6 A (CWC)	7.33Y	122.2	0.00	2.77	0.22	0	2	0	100	0.00	0.0	9.759	0.048	2	0	1	1
PL.19623	PL.19202	A	6 A (CWC)	7.33Y	122.2	0.01	2.77	1.58	1	11	3	96	0.00	0.0	9.789	0.079	0	0	0	3
PL.19203	PL.19623	A	#4 ACSR	7.33Y	122.2	0.00	2.77	0.00	0	0	0	100	0.00	0.0	9.904	0.115	0	0	0	0
PL.19624	PL.19623	A	6 A (CWC)	7.33Y	122.2	0.00	2.78	1.58	1	11	3	96	0.00	0.0	9.845	0.055	2	0	1	3

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Balanced Voltage Drop Report
Source: Beattyville

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.19230	PL.19624	A	6 A (CWC)	7.33Y	122.2	0.01	2.78	1.31	1	9	2	98	0.00	0.0	9.932	0.087	0	0	1	2
PL.19231	PL.19230	A	#2 ACSR	7.33Y	122.2	0.01	2.79	1.29	1	9	2	98	0.00	0.0	10.111	0.179	0	0	0	1
PL.19773	PL.19231	A	#2 ACSR	7.33Y	122.2	0.00	2.79	1.29	1	9	2	98	0.00	0.0	10.198	0.087	9	2	1	1
PL.20249	PL.19202	A	#4 ACSR	7.33Y	122.2	0.01	2.78	3.40	3	24	6	97	0.00	0.0	9.784	0.073	0	0	0	3
PL.20250	PL.20249	A	#4 ACSR	7.33Y	122.2	0.01	2.79	3.40	3	24	6	97	0.00	0.0	9.888	0.104	10	2	2	3
PL.19349	PL.20250	A	#4 ACSR	7.33Y	122.2	0.00	2.79	2.05	2	15	3	98	0.00	0.0	9.963	0.075	15	3	1	1
PL.19204	PL.20250	A	#4 ACSR	7.33Y	122.2	0.00	2.79	0.00	0	0	0	100	0.00	0.0	9.941	0.053	0	0	0	0
PL.19153	PL.20220	C	#1/0 ACSR	7.35Y	122.5	0.00	2.47	0.69	0	5	1	98	0.00	0.0	8.709	0.004	0	0	0	1
PD.2912	PL.19153	C	20T	7.35Y	122.5	0.00	2.47	0.69	0	5	1	98	0.00	0.0	8.709	0.004	0	0	0	1
PL.19616	PD.2912	C	#1/0 ACSR	7.35Y	122.5	0.00	2.47	0.69	0	5	1	98	0.00	0.0	8.750	0.041	5	1	1	1
PL.19360	PD.2912	C	#1/0 ACSR	7.35Y	122.5	0.00	2.47	0.00	0	0	0	100	0.00	0.0	8.714	0.004	0	0	0	0
PL.19361	PL.19360	C	#1/0 ACSR	7.35Y	122.5	0.00	2.47	0.00	0	0	0	100	0.00	0.0	8.714	0.000	0	0	0	0
PL.19151	PL.19361	C	#1/0 ACSR	7.35Y	122.5	0.00	2.47	0.00	0	0	0	100	0.00	0.0	8.818	0.103	0	0	0	0
PL.20404	PL.19909	C	#4 ACSR	7.36Y	122.6	0.00	2.39	1.52	1	11	2	98	0.00	0.0	8.515	0.005	0	0	0	1
PD.2911	PL.20404	C	20T	7.36Y	122.6	0.00	2.39	1.52	0	11	2	98	0.00	0.0	8.515	0.005	0	0	0	1
PL.20405	PD.2911	C	#4 ACSR	7.36Y	122.6	0.00	2.40	1.52	1	11	2	98	0.00	0.0	8.586	0.071	11	2	1	1
PL.20450	PL.19356	A	6 A (CWC)	7.37Y	122.9	0.00	2.09	0.00	0	0	0	100	0.00	0.0	7.833	0.005	0	0	0	0
PD.2936	PL.20450	A	20T	7.37Y	122.9	0.00	2.09	0.00	0	0	0	100	0.00	0.0	7.833	0.005	0	0	0	0
PL.20451	PD.2936	A	6 A (CWC)	7.37Y	122.9	0.00	2.09	0.00	0	0	0	100	0.00	0.0	7.944	0.111	0	0	0	0
PL.19768	PL.20451	A	6 A (CWC)	7.37Y	122.9	0.00	2.09	0.00	0	0	0	100	0.00	0.0	8.096	0.152	0	0	0	0
PL.20385	PL.19356	C	6 A (CWC)	7.37Y	122.9	0.00	2.09	3.22	2	23	5	98	0.00	0.0	7.833	0.005	0	0	0	5
PD.2902	PL.20385	C	20T	7.37Y	122.9	0.00	2.09	3.22	0	23	5	98	0.00	0.0	7.833	0.005	0	0	0	5
PL.20386	PD.2902	C	6 A (CWC)	7.37Y	122.9	0.01	2.10	3.22	2	23	5	98	0.00	0.0	7.904	0.071	0	0	0	5
PL.19612	PL.20386	C	6 A (CWC)	7.37Y	122.9	0.00	2.11	2.31	2	17	4	97	0.00	0.0	7.929	0.025	0	0	0	4
PL.20211	PL.19612	C	6 A (CWC)	7.37Y	122.9	0.00	2.11	1.93	1	14	3	98	0.00	0.0	7.940	0.011	6	1	2	3
PL.20212	PL.20211	C	6 A (CWC)	7.37Y	122.9	0.00	2.11	1.08	1	8	2	97	0.00	0.0	8.016	0.076	8	2	1	1
PL.20398	PL.19612	C	#1/0 ACSR	7.37Y	122.9	0.00	2.11	0.38	0	3	1	95	0.00	0.0	7.933	0.005	0	0	0	1
PD.2908	PL.20398	C	12T	7.37Y	122.9	0.00	2.11	0.38	0	3	1	95	0.00	0.0	7.933	0.005	0	0	0	1
PL.20399	PD.2908	C	#1/0 ACSR	7.37Y	122.9	0.00	2.11	0.38	0	3	1	95	0.00	0.0	8.018	0.084	0	0	0	1
PL.19767	PL.20399	C	#1/0 ACSR	7.37Y	122.9	0.00	2.11	0.38	0	3	1	95	0.00	0.0	8.148	0.131	3	1	1	1
PL.19186	PL.20386	C	#4 ACSR	7.37Y	122.9	0.00	2.11	0.91	1	7	1	99	0.00	0.0	7.932	0.028	7	1	1	1

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Balanced Voltage Drop Report
Source: Beattyville

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.20396	PL.19355	C	6 A (CWC)	7.38Y	123.0	0.00	2.03	0.25	0	2	0	100	0.00	0.0	7.696	0.005	0	0	0	1
PD.2907	PL.20396	C	20T	7.38Y	123.0	0.00	2.03	0.25	0	2	0	100	0.00	0.0	7.696	0.005	0	0	0	1
PL.20397	PD.2907	C	6 A (CWC)	7.38Y	123.0	0.00	2.03	0.25	0	2	0	100	0.00	0.0	7.747	0.051	2	0	1	1
PL.20391	PL.20393	C	#2 ACSR	7.38Y	123.1	0.00	1.92	1.75	1	13	3	97	0.00	0.0	7.489	0.004	0	0	0	4
PD.2905	PL.20391	C	20T	7.38Y	123.1	0.00	1.92	1.75	0	13	3	97	0.00	0.0	7.489	0.004	0	0	0	4
PL.20392	PD.2905	C	#2 ACSR	7.38Y	123.1	0.00	1.92	1.75	1	13	3	97	0.00	0.0	7.510	0.020	9	2	2	4
PL.19148	PL.20392	C	#4 ACSR	7.38Y	123.1	0.00	1.93	0.53	0	4	1	97	0.00	0.0	7.685	0.175	0	0	0	2
PL.19766	PL.19148	C	#4 ACSR	7.38Y	123.1	0.00	1.93	0.53	0	4	1	97	0.00	0.0	7.788	0.103	0	0	0	2
PL.20209	PL.19766	C	#4 ACSR	7.38Y	123.1	0.00	1.93	0.53	0	4	1	97	0.00	0.0	7.850	0.063	1	0	1	2
PL.20210	PL.20209	C	#4 ACSR	7.38Y	123.1	0.00	1.93	0.37	0	3	1	95	0.00	0.0	7.913	0.062	3	1	1	1
PL.19185	PL.19766	C	#1/0 ACSR	7.38Y	123.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	7.841	0.053	0	0	0	0
PL.20375	PL.19134	A	6 A (CWC)	7.39Y	123.2	0.00	1.79	2.93	2	21	5	97	0.00	0.0	7.234	0.005	0	0	0	2
PD.2897	PL.20375	A	30T	7.39Y	123.2	0.00	1.79	2.93	0	21	5	97	0.00	0.0	7.234	0.005	0	0	0	2
PL.20376	PD.2897	A	6 A (CWC)	7.39Y	123.2	0.02	1.80	2.93	2	21	5	97	0.00	0.0	7.355	0.121	0	0	0	2
PL.19765	PL.20376	A	6 A (CWC)	7.39Y	123.2	0.01	1.81	2.93	2	21	5	97	0.00	0.0	7.433	0.078	0	0	0	2
PL.19191	PL.19765	A	#4 ACSR	7.39Y	123.2	0.01	1.82	2.93	2	21	5	97	0.00	0.0	7.529	0.095	10	2	1	2
PL.19192	PL.19191	A	#1/0 ACSR	7.39Y	123.2	0.00	1.82	1.53	1	11	3	96	0.00	0.0	7.635	0.106	11	3	1	1
CP.32	PL.20512	ABC	Cap (300)	7.41Y	123.6	0.00	1.45	0.00	0	0	0	100	0.00	0.0	6.757	0.106	0	0	0	0
PL.19180	PL.20049	C	6 A (CWC)	7.43Y	123.8	0.00	1.25	2.42	2	18	4	98	0.00	0.0	6.553	0.005	0	0	0	5
PD.2850	PL.19180	C	30T	7.43Y	123.8	0.00	1.25	2.42	0	18	4	98	0.00	0.0	6.553	0.005	0	0	0	5
PL.19344	PD.2850	C	6 A (CWC)	7.42Y	123.7	0.00	1.25	1.57	1	11	3	96	0.00	0.0	6.557	0.003	0	0	0	3
PL.19181	PL.19344	C	6 A (CWC)	7.42Y	123.7	0.01	1.26	1.57	1	11	3	96	0.00	0.0	6.668	0.111	0	0	0	3
PL.19743	PL.19181	C	6 A (CWC)	7.42Y	123.7	0.01	1.27	1.57	1	11	3	96	0.00	0.0	6.781	0.114	0	0	1	3
PL.19294	PL.19743	C	#1/0 ACSR	7.42Y	123.7	0.01	1.27	1.54	1	11	3	96	0.00	0.0	6.944	0.163	0	0	1	2
PL.19857	PL.19294	C	1/0 AL URD	7.42Y	123.7	0.00	1.27	1.54	1	11	3	96	0.00	0.0	6.949	0.005	0	0	0	1
PD.2873	PL.19857	C	20T	7.42Y	123.7	0.00	1.27	1.54	0	11	3	96	0.00	0.0	6.949	0.005	0	0	0	1
PL.19858	PD.2873	C	1/0 AL URD	7.42Y	123.7	0.00	1.27	1.54	1	11	3	96	0.00	0.0	7.011	0.062	0	0	0	1
PL.19295	PL.19858	C	1/0 AL URD	7.42Y	123.7	0.00	1.28	1.54	1	11	3	96	0.00	0.0	7.072	0.061	11	3	1	1
PL.19329	PD.2850	C	6 A (CWC)	7.42Y	123.7	0.00	1.25	0.85	1	6	1	99	0.00	0.0	6.647	0.094	6	1	2	2
PL.20428	PL.19178	C	#4 ACSR	7.44Y	124.0	0.00	1.04	0.82	1	6	1	99	0.00	0.0	6.351	0.005	0	0	0	1
PD.2925	PL.20428	C	30T	7.44Y	124.0	0.00	1.04	0.82	0	6	1	99	0.00	0.0	6.351	0.005	0	0	0	1

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Source: Beattyville

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.20429	PD.2925	C	#4 ACSR	7.44Y	124.0	0.00	1.04	0.82	1	6	1	99	0.00	0.0	6.403	0.052	6	1	1	1
PL.20351	PL.20505	C	#1/0 ACSR	7.45Y	124.1	0.00	0.91	1.89	1	14	3	98	0.00	0.0	6.173	0.005	0	0	0	1
PD.2860	PL.20351	C	30T	7.45Y	124.1	0.00	0.91	1.89	0	14	3	98	0.00	0.0	6.173	0.005	0	0	0	1
PL.20352	PD.2860	C	#1/0 ACSR	7.45Y	124.1	0.00	0.91	1.89	1	14	3	98	0.00	0.0	6.213	0.040	14	3	1	1
PL.20353	PL.19177	A	#4 ACSR	7.45Y	124.2	0.00	0.79	2.60	2	19	4	98	0.00	0.0	6.065	0.005	0	0	0	4
PD.2861	PL.20353	A	65T	7.45Y	124.2	0.00	0.79	2.60	0	19	4	98	0.00	0.0	6.065	0.005	0	0	0	4
PL.20354	PD.2861	A	#4 ACSR	7.45Y	124.2	0.00	0.79	2.60	2	19	4	98	0.00	0.0	6.107	0.042	16	4	2	4
PL.19305	PL.20354	A	#4 ACSR	7.45Y	124.2	0.00	0.79	0.35	0	3	1	95	0.00	0.0	6.130	0.023	3	1	2	2
PL.19859	PL.19080	B	6 A (CWC)	7.15Y	119.1	0.00	5.87	1.66	1	12	3	97	0.00	0.0	5.558	0.005	0	0	0	4
PD.2874	PL.19859	B	65T	7.15Y	119.1	0.00	5.87	1.66	0	12	3	97	0.00	0.0	5.558	0.005	0	0	0	4
PL.19860	PD.2874	B	6 A (CWC)	7.15Y	119.1	0.01	5.88	1.66	1	12	3	97	0.00	0.0	5.692	0.133	0	0	0	4
PD.2863	PL.19860	B	40T	7.15Y	119.1	0.00	5.88	1.66	0	12	3	97	0.00	0.0	5.692	0.133	0	0	0	4
PL.20357	PD.2863	B	6 A (CWC)	7.15Y	119.1	0.00	5.89	1.66	1	12	3	97	0.00	0.0	5.730	0.038	0	0	0	4
PL.19297	PL.20357	B	6 A (CWC)	7.15Y	119.1	0.01	5.90	1.66	1	12	3	97	0.00	0.0	5.844	0.114	0	0	0	4
PL.19706	PL.19297	B	6 A (CWC)	7.15Y	119.1	0.01	5.90	1.66	1	12	3	97	0.00	0.0	5.957	0.113	0	0	0	4
PL.19707	PL.19706	B	6 A (CWC)	7.15Y	119.1	0.01	5.91	1.66	1	12	3	97	0.00	0.0	6.090	0.133	5	1	1	4
PL.19398	PL.19707	B	#1/0 ACSR	7.15Y	119.1	0.00	5.91	0.97	0	7	2	96	0.00	0.0	6.177	0.087	2	1	1	3
PL.19399	PL.19398	B	#4 ACSR	7.15Y	119.1	0.00	5.91	0.61	0	4	1	97	0.00	0.0	6.257	0.080	4	1	2	2
PL.20442	PL.19705	A	#4 ACSR	7.16Y	119.4	0.00	5.60	2.27	2	16	4	97	0.00	0.0	5.188	0.005	0	0	0	2
PD.2932	PL.20442	A	65T	7.16Y	119.4	0.00	5.60	2.27	0	16	4	97	0.00	0.0	5.188	0.005	0	0	0	2
PL.20443	PD.2932	A	#4 ACSR	7.16Y	119.4	0.01	5.61	2.27	2	16	4	97	0.00	0.0	5.289	0.101	0	0	0	2
PL.19079	PL.20443	A	#2 ACSR	7.16Y	119.4	0.00	5.61	1.23	1	9	2	98	0.00	0.0	5.369	0.081	9	2	1	1
PL.19318	PL.20443	A	#4 ACSR	7.16Y	119.4	0.00	5.61	1.03	1	7	2	96	0.00	0.0	5.393	0.105	7	2	1	1
PL.19863	PL.19705	C	#4 ACSR	7.16Y	119.4	0.00	5.60	8.14	6	57	13	97	0.00	0.0	5.188	0.005	0	0	0	10
PD.2876	PL.19863	C	65T	7.16Y	119.4	0.00	5.60	8.14	0	57	13	97	0.00	0.0	5.188	0.005	0	0	0	10
PL.19864	PD.2876	C	#4 ACSR	7.16Y	119.3	0.05	5.65	8.14	6	57	13	97	0.02	0.0	5.327	0.140	0	0	0	10
PL.19342	PL.19864	C	#4 ACSR	7.16Y	119.3	0.03	5.68	5.96	5	42	9	98	0.01	0.0	5.450	0.123	8	2	1	8
PL.19300	PL.19342	C	#4 ACSR	7.16Y	119.3	0.00	5.68	0.91	1	6	1	99	0.00	0.0	5.505	0.055	6	1	1	1
PL.19343	PL.19342	C	#4 ACSR	7.16Y	119.3	0.01	5.69	3.86	3	27	6	98	0.00	0.0	5.521	0.071	4	1	1	6
PL.19397	PL.19343	C	#2 ACSR	7.16Y	119.3	0.00	5.70	1.25	1	9	2	98	0.00	0.0	5.661	0.140	9	2	1	1
PL.19298	PL.19343	C	6 A (CWC)	7.16Y	119.3	0.01	5.70	2.03	1	14	3	98	0.00	0.0	5.619	0.098	1	0	1	4

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

Balanced Voltage Drop Report
Source: Beattyville

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.19299	PL.19298	C	#4 ACSR	7.16Y	119.3	0.00	5.70	1.05	1	7	2	96	0.00	0.0	5.667	0.048	7	2	1	1
PL.19908	PL.19298	C	#4 ACSR	7.16Y	119.3	0.00	5.71	0.88	1	6	1	99	0.00	0.0	5.780	0.161	3	1	1	2
PL.19339	PL.19908	C	#4 ACSR	7.16Y	119.3	0.00	5.71	0.45	0	3	1	95	0.00	0.0	5.848	0.069	3	1	1	1
PL.19394	PL.19908	C	#4 ACSR	7.16Y	119.3	0.00	5.71	0.00	0	0	0	100	0.00	0.0	5.925	0.145	0	0	0	0
PL.19301	PL.19864	C	6 A (CWC)	7.16Y	119.3	0.01	5.66	2.18	2	15	3	98	0.00	0.0	5.426	0.099	6	1	1	2
PL.19395	PL.19301	C	#4 ACSR	7.16Y	119.3	0.00	5.66	1.35	1	9	2	98	0.00	0.0	5.444	0.018	0	0	0	1
PL.19396	PL.19395	C	#2 ACSR	7.16Y	119.3	0.00	5.66	1.35	1	9	2	98	0.00	0.0	5.452	0.007	0	0	0	1
PL.19302	PL.19396	C	#2 ACSR	7.16Y	119.3	0.00	5.66	1.35	1	9	2	98	0.00	0.0	5.512	0.060	0	0	0	1
PL.19304	PL.19302	C	#1/0 ACSR	7.16Y	119.3	0.00	5.67	1.35	1	9	2	98	0.00	0.0	5.554	0.042	9	2	1	1
PL.20440	PL.19077	C	6 A (CWC)	7.17Y	119.6	0.00	5.44	1.58	1	11	3	96	0.00	0.0	4.977	0.005	0	0	0	2
PD.2931	PL.20440	C	65T	7.17Y	119.6	0.00	5.44	1.58	0	11	3	96	0.00	0.0	4.977	0.005	0	0	0	2
PL.20441	PD.2931	C	6 A (CWC)	7.17Y	119.6	0.01	5.45	1.58	1	11	3	96	0.00	0.0	5.071	0.094	4	1	1	2
PL.20115	PL.20441	C	6 A (CWC)	7.17Y	119.6	0.00	5.45	1.02	1	7	2	96	0.00	0.0	5.153	0.082	7	2	1	1
PL.19865	PL.19075	C	6 A (CWC)	7.18Y	119.7	0.00	5.25	0.03	0	0	0	100	0.00	0.0	4.733	0.005	0	0	0	1
PD.2877	PL.19865	C	65T	7.18Y	119.7	0.00	5.25	0.03	0	0	0	100	0.00	0.0	4.733	0.005	0	0	0	1
PL.19866	PD.2877	C	6 A (CWC)	7.18Y	119.7	0.00	5.25	0.03	0	0	0	100	0.00	0.0	4.789	0.056	0	0	1	1
CP.31	PL.20510	ABC	Cap (300)	7.21Y	120.2	0.00	4.83	0.00	0	0	0	100	0.00	0.0	4.186	0.056	0	0	0	0
PL.66206	PL.20125	B	#1/0 ACSR	7.23Y	120.6	0.00	4.44	0.00	0	0	0	100	0.00	0.0	3.727	0.022	0	0	0	0
PD.10001	PL.66206	B	T	7.23Y	120.6	0.00	4.44	0.00	0	0	0	100	0.00	0.0	3.727	0.022	0	0	0	0
PL.66207	PD.10001	B	#1/0 ACSR	7.23Y	120.6	0.00	4.44	0.00	0	0	0	100	0.00	0.0	3.791	0.064	0	0	0	0
PL.19873	PL.19350	A	6 A (CWC)	7.26Y	120.9	0.00	4.05	0.31	0	2	1	89	0.00	0.0	3.335	0.005	0	0	0	1
PD.2881	PL.19873	A	65T	7.26Y	120.9	0.00	4.05	0.31	0	2	1	89	0.00	0.0	3.335	0.005	0	0	0	1
PL.19874	PD.2881	A	6 A (CWC)	7.26Y	120.9	0.00	4.05	0.31	0	2	1	89	0.00	0.0	3.388	0.053	2	1	1	1
PL.19871	PL.19056	A	6 A (CWC)	7.26Y	121.0	0.00	4.01	0.01	0	0	0	100	0.00	0.0	3.292	0.005	0	0	0	1
PD.2880	PL.19871	A	65T	7.26Y	121.0	0.00	4.01	0.01	0	0	0	100	0.00	0.0	3.292	0.005	0	0	0	1
PL.19872	PD.2880	A	6 A (CWC)	7.26Y	121.0	0.00	4.01	0.01	0	0	0	100	0.00	0.0	3.337	0.044	0	0	1	1
PL.19875	PL.19046	C	6 A (CWC)	7.26Y	121.1	0.00	3.95	5.40	4	38	9	97	0.00	0.0	3.230	0.005	0	0	0	10
PD.2882	PL.19875	C	65T	7.26Y	121.1	0.00	3.95	5.40	0	38	9	97	0.00	0.0	3.230	0.005	0	0	0	10
PL.19876	PD.2882	C	6 A (CWC)	7.26Y	121.0	0.02	3.96	5.40	4	38	9	97	0.00	0.0	3.299	0.068	0	0	0	10
PL.19057	PL.19876	C	#4 ACSR	7.26Y	121.0	0.00	3.96	0.19	0	1	0	100	0.00	0.0	3.318	0.020	1	0	1	1
PL.19351	PL.19876	C	6 A (CWC)	7.26Y	121.0	0.02	3.98	5.20	4	37	8	98	0.01	0.0	3.392	0.093	3	1	1	9

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: Beattyville

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.19352	PL.19351	C	6 A (CWC)	7.26Y	121.0	0.00	3.98	1.04	1	7	2	96	0.00	0.0	3.425	0.033	3	1	2	3
PL.19059	PL.19352	C	#4 ACSR	7.26Y	121.0	0.00	3.98	0.68	1	5	1	98	0.00	0.0	3.470	0.045	5	1	1	1
PL.19058	PL.19351	C	6 A (CWC)	7.26Y	121.0	0.01	3.99	3.75	3	27	6	98	0.00	0.0	3.469	0.077	17	4	3	5
PL.19061	PL.19058	C	6 A (CWC)	7.26Y	121.0	0.00	3.99	1.29	1	9	2	98	0.00	0.0	3.533	0.065	3	1	1	2
PL.19062	PL.19061	C	#2 ACSR	7.26Y	121.0	0.00	4.00	0.83	0	6	1	99	0.00	0.0	3.604	0.070	6	1	1	1
PL.20468	PL.19675	ABC	#1/0 ACSR	7.29Y	121.4	0.00	3.57	0.52	0	10	5	89	0.00	0.0	2.883	0.005	0	0	0	3
PD.2948	PL.20468	ABC	65T	7.29Y	121.4	0.00	3.57	0.52	0	10	5	89	0.00	0.0	2.883	0.005	0	0	0	3
PL.20469	PD.2948	ABC	#1/0 ACSR	7.29Y	121.4	0.00	3.57	0.52	0	10	5	89	0.00	0.0	2.916	0.033	0	0	0	3
PL.19042	PL.20469	ABC	#1/0 ACSR	7.29Y	121.4	0.00	3.57	0.43	0	8	4	89	0.00	0.0	2.964	0.049	8	4	1	1
PL.20131	PL.20469	ABC	#1/0 ACSR	7.29Y	121.4	0.00	3.57	0.09	0	2	0	100	0.00	0.0	2.938	0.023	2	0	1	2
PL.20132	PL.20131	ABC	#1/0 ACSR	7.29Y	121.4	0.00	3.57	0.01	0	0	0	100	0.00	0.0	2.960	0.022	0	0	0	1
PL.19043	PL.20132	B	#2 ACSR	7.29Y	121.4	0.00	3.57	0.04	0	0	0	100	0.00	0.0	2.963	0.003	0	0	1	1
PL.20369	PL.19357	C	6 A (CWC)	7.31Y	121.8	0.00	3.16	9.65	7	69	16	97	0.00	0.0	2.506	0.004	0	0	0	17
PD.2892	PL.20369	C	65T	7.31Y	121.8	0.00	3.16	9.65	0	69	16	97	0.00	0.0	2.506	0.004	0	0	0	17
PL.20370	PD.2892	C	6 A (CWC)	7.31Y	121.8	0.05	3.21	9.65	7	69	16	97	0.03	0.0	2.625	0.119	0	0	0	17
PL.20139	PL.20370	C	#2 ACSR	7.31Y	121.8	0.01	3.22	3.71	2	26	6	97	0.00	0.0	2.712	0.087	7	2	1	5
PL.20140	PL.20139	C	#2 ACSR	7.31Y	121.8	0.00	3.23	2.73	2	19	4	98	0.00	0.0	2.770	0.059	8	2	2	4
PL.19029	PL.20140	C	#2 ACSR	7.31Y	121.8	0.00	3.23	1.59	1	11	3	96	0.00	0.0	2.794	0.024	11	3	2	2
PL.19028	PL.20370	C	6 A (CWC)	7.31Y	121.8	0.03	3.24	5.94	4	42	10	97	0.01	0.0	2.740	0.115	0	0	0	12
PL.19031	PL.19028	C	6 A (CWC)	7.30Y	121.7	0.02	3.27	5.94	4	42	10	97	0.01	0.0	2.822	0.082	0	0	0	12
PL.19033	PL.19031	C	6 A (CWC)	7.30Y	121.7	0.00	3.27	0.35	0	2	1	89	0.00	0.0	2.939	0.118	2	1	1	1
PL.19032	PL.19031	C	6 A (CWC)	7.30Y	121.7	0.01	3.28	2.98	2	21	5	97	0.00	0.0	2.906	0.085	7	2	2	8
PL.19030	PL.19032	C	#4 ACSR	7.30Y	121.7	0.00	3.28	1.95	1	14	3	98	0.00	0.0	2.935	0.029	0	0	0	6
PL.19035	PL.19030	C	#4 ACSR	7.30Y	121.7	0.01	3.29	1.95	1	14	3	98	0.00	0.0	3.040	0.104	0	0	0	6
PL.19037	PL.19035	C	#2 ACSR	7.30Y	121.7	0.00	3.29	1.23	1	9	2	98	0.00	0.0	3.113	0.073	9	2	5	5
PL.19592	PL.19035	C	#4 ACSR	7.30Y	121.7	0.01	3.29	0.72	1	5	1	98	0.00	0.0	3.206	0.166	0	0	0	1
PL.19671	PL.19592	C	#4 ACSR	7.30Y	121.7	0.00	3.29	0.72	1	5	1	98	0.00	0.0	3.284	0.078	5	1	1	1
PL.19034	PL.19031	C	6 A (CWC)	7.30Y	121.7	0.01	3.28	2.61	2	19	4	98	0.00	0.0	2.920	0.098	0	0	0	3
PL.19673	PL.19034	C	6 A (CWC)	7.30Y	121.7	0.01	3.29	2.61	2	19	4	98	0.00	0.0	3.027	0.107	0	0	0	3
PL.33066	PL.19673	C	6 A (CWC)	7.30Y	121.7	0.00	3.29	2.17	2	15	4	97	0.00	0.0	3.096	0.069	15	4	1	1
PL.19672	PL.19673	C	6 A (CWC)	7.30Y	121.7	0.00	3.29	0.44	0	3	1	95	0.00	0.0	3.135	0.108	0	0	0	2

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

Balanced Voltage Drop Report
Source: Beattyville

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.19674	PL.19672	C	6 A (CWC)	7.30Y	121.7	0.00	3.29	0.44	0	3	1	95	0.00	0.0	3.237	0.102	0	0	0	2
PL.19036	PL.19674	C	6 A (CWC)	7.30Y	121.7	0.00	3.30	0.44	0	3	1	95	0.00	0.0	3.342	0.105	0	0	0	2
PL.19060	PL.19036	C	6 A (CWC)	7.30Y	121.7	0.00	3.30	0.44	0	3	1	95	0.00	0.0	3.498	0.155	3	1	2	2
PL.27899	PL.20136	ABC	1/0 AL URD	7.32Y	122.0	0.00	2.98	4.13	2	82	40	90	0.00	0.0	2.393	0.054	82	40	1	1
PL.20434	PL.19003	A	6 A (CWC)	7.34Y	122.3	0.00	2.75	0.39	0	3	1	95	0.00	0.0	2.150	0.004	0	0	0	1
PD.2928	PL.20434	A	65T	7.34Y	122.3	0.00	2.75	0.39	0	3	1	95	0.00	0.0	2.150	0.004	0	0	0	1
PL.20435	PD.2928	A	6 A (CWC)	7.33Y	122.2	0.00	2.75	0.39	0	3	1	95	0.00	0.0	2.231	0.081	3	1	1	1
PL.19000	PL.19655	C	#4 ACSR	7.37Y	122.8	0.00	2.25	1.09	1	8	2	97	0.00	0.0	1.792	0.062	0	0	0	2
PL.19883	PL.19000	C	#2 ACSR	7.37Y	122.8	0.00	2.25	1.09	1	8	2	97	0.00	0.0	1.797	0.005	0	0	0	2
PD.2886	PL.19883	C	65T	7.37Y	122.8	0.00	2.25	1.09	0	8	2	97	0.00	0.0	1.797	0.005	0	0	0	2
PL.20358	PD.2886	C	#2 ACSR	7.37Y	122.8	0.00	2.25	1.09	1	8	2	97	0.00	0.0	1.848	0.051	3	1	1	2
PL.20138	PL.20358	C	#2 ACSR	7.37Y	122.8	0.00	2.25	0.67	0	5	1	98	0.00	0.0	1.924	0.076	5	1	1	1
PL.19001	PL.20138	C	6 A (CWC)	7.37Y	122.8	0.00	2.25	0.00	0	0	0	100	0.00	0.0	2.173	0.249	0	0	0	0
PL.18995	PL.18994	C	6 A (CWC)	7.43Y	123.8	0.00	1.16	0.00	0	0	0	100	0.00	0.0	0.979	0.090	0	0	1	1
PL.20367	PL.19353	A	#4 ACSR	7.46Y	124.3	0.00	0.66	0.43	0	3	1	95	0.00	0.0	0.505	0.005	0	0	0	1
PD.2891	PL.20367	A	65T	7.46Y	124.3	0.00	0.66	0.43	0	3	1	95	0.00	0.0	0.505	0.005	0	0	0	1
PL.20368	PD.2891	A	#4 ACSR	7.46Y	124.3	0.00	0.66	0.43	0	3	1	95	0.00	0.0	0.557	0.052	3	1	1	1
PL.18990	Beattyville	ABC	#3/0 ACSR	7.50Y	125.0	0.01	0.01	196.51	66	4208	1358	95	0.23	0.0	0.004	0.004	0	0	0	801
PL.72514	PL.18990	ABC	#3/0 ACSR	7.50Y	125.0	0.01	0.02	196.51	66	4208	1357	95	0.15	0.0	0.006	0.002	0	0	0	801
---------- Feeder No. 3 (Heidelberg F3) Beginning with Device PD.10793 ----------																				
PD.10793	PL.72514	ABC	480VWE	7.50Y	125.0	0.00	0.02	196.51	0	4207	1357	95	0.00	0.0	0.006	0.002	0	0	0	801
PL.72515	PD.10793	ABC	#3/0 ACSR	7.50Y	125.0	0.01	0.03	196.51	66	4207	1357	95	0.37	0.0	0.012	0.006	0	0	2	801
PL.18027	PL.72515	ABC	#3/0 ACSR	7.48Y	124.7	0.29	0.32	196.51	66	4207	1357	95	7.29	0.2	0.124	0.112	0	0	0	799
PL.17052	PL.18027	ABC	#3/0 ACSR	7.46Y	124.4	0.29	0.61	196.51	66	4200	1346	95	7.34	0.2	0.237	0.113	10	2	1	799
PL.17053	PL.17052	ABC	#3/0 ACSR	7.46Y	124.3	0.11	0.72	196.04	65	4182	1333	95	2.81	0.1	0.281	0.043	0	0	0	798
PL.17054	PL.17053	ABC	#3/0 ACSR	7.44Y	124.0	0.29	1.01	195.87	65	4176	1328	95	7.31	0.2	0.394	0.114	1	0	2	796
PL.17055	PL.17054	ABC	#3/0 ACSR	7.42Y	123.7	0.25	1.26	192.06	64	4085	1298	95	6.28	0.2	0.496	0.101	0	0	0	777
PL.17714	PL.17055	ABC	#3/0 ACSR	7.40Y	123.3	0.46	1.72	192.06	64	4079	1289	95	11.53	0.3	0.682	0.186	0	0	0	777
PL.17057	PL.17714	ABC	#3/0 ACSR	7.37Y	122.9	0.40	2.12	191.87	64	4063	1272	95	9.86	0.2	0.841	0.159	0	0	0	776

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Balanced Voltage Drop Report
Source: Beattyville

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.17797	PL.17057	ABC	#3/0 ACSR	7.36Y	122.7	0.16	2.28	191.87	64	4053	1257	96	4.01	0.1	0.906	0.065	0	0	0	776
PL.17715	PL.17797	ABC	#3/0 ACSR	7.34Y	122.3	0.42	2.70	191.87	64	4049	1252	96	10.42	0.3	1.074	0.169	0	0	0	776
PL.17716	PL.17715	ABC	#3/0 ACSR	7.33Y	122.2	0.12	2.81	191.87	64	4039	1236	96	2.90	0.1	1.121	0.047	0	0	0	776
PL.17058	PL.17716	ABC	#3/0 ACSR	7.32Y	121.9	0.26	3.07	191.87	64	4036	1232	96	6.52	0.2	1.227	0.105	0	0	0	776
PL.17717	PL.17058	ABC	#3/0 ACSR	7.30Y	121.6	0.28	3.36	191.87	64	4029	1223	96	7.14	0.2	1.342	0.115	0	0	0	776
PL.17719	PL.17717	ABC	#3/0 ACSR	7.28Y	121.4	0.25	3.61	191.87	64	4022	1212	96	6.31	0.2	1.444	0.102	0	0	0	776
PL.17718	PL.17719	ABC	#3/0 ACSR	7.27Y	121.2	0.17	3.78	191.87	64	4016	1203	96	4.22	0.1	1.512	0.068	0	0	0	776
PL.18239	PL.17718	ABC	#3/0 ACSR	7.27Y	121.2	0.01	3.79	191.87	64	4012	1197	96	0.29	0.0	1.517	0.005	0	0	0	776
PD.2713-A	PL.18239	ABC	Closed	7.27Y	121.2	0.00	3.79	191.87	0	4012	1197	96	0.00	0.0	1.517	0.005	0	0	0	776
PD.2713-B	PD.2713-A	ABC	Closed	7.27Y	121.2	0.00	3.79	191.87	0	4012	1197	96	0.00	0.0	1.517	0.005	0	0	0	776
PL.18240	PD.2713-B	ABC	#3/0 ACSR	7.25Y	120.9	0.33	4.12	191.87	64	4012	1197	96	8.23	0.2	1.650	0.133	0	0	0	776
PL.18245	PL.18240	A	6 A (CWC)	7.25Y	120.9	0.00	4.12	9.19	7	65	15	97	0.00	0.0	1.653	0.003	0	0	0	16
PD.2716	PL.18245	A	35L	7.25Y	120.9	0.00	4.12	9.19	26	65	15	97	0.00	0.0	1.653	0.003	0	0	0	16
PL.18246	PD.2716	A	6 A (CWC)	7.25Y	120.8	0.03	4.15	9.19	7	65	15	97	0.02	0.0	1.737	0.084	3	1	1	16
PL.17059	PL.18246	A	6 A (CWC)	7.25Y	120.8	0.01	4.16	4.95	4	35	8	97	0.00	0.0	1.763	0.026	0	0	0	11
PL.18025	PL.17059	A	6 A (CWC)	7.25Y	120.8	0.02	4.18	4.95	4	35	8	97	0.01	0.0	1.850	0.087	0	0	0	11
PL.18026	PL.18025	A	6 A (CWC)	7.25Y	120.8	0.01	4.18	4.95	4	35	8	97	0.00	0.0	1.877	0.027	3	1	2	11
PL.17062	PL.18026	A	6 A (CWC)	7.25Y	120.8	0.01	4.19	4.48	3	32	7	98	0.00	0.0	1.903	0.026	4	1	1	9
PL.17804	PL.17062	A	6 A (CWC)	7.25Y	120.8	0.01	4.19	3.95	3	28	6	98	0.00	0.0	1.938	0.034	3	1	1	8
PL.17805	PL.17804	A	6 A (CWC)	7.25Y	120.8	0.02	4.21	3.56	3	25	6	97	0.00	0.0	2.050	0.112	0	0	0	7
PL.17064	PL.17805	A	6 A (CWC)	7.25Y	120.8	0.01	4.22	3.56	3	25	6	97	0.00	0.0	2.104	0.054	0	0	0	7
PL.17065	PL.17064	A	6 A (CWC)	7.25Y	120.8	0.03	4.25	3.56	3	25	6	97	0.01	0.0	2.276	0.172	0	0	1	7
PL.18023	PL.17065	A	6 A (CWC)	7.24Y	120.7	0.01	4.26	1.63	1	12	3	97	0.00	0.0	2.437	0.161	0	0	0	3
PL.18024	PL.18023	A	6 A (CWC)	7.24Y	120.7	0.00	4.26	1.63	1	12	3	97	0.00	0.0	2.452	0.015	8	2	2	3
PL.17070	PL.18024	A	6 A (CWC)	7.24Y	120.7	0.00	4.26	0.52	0	4	1	97	0.00	0.0	2.621	0.168	4	1	1	1
PL.18158	PL.17070	A	6 A (CWC)	7.24Y	120.7	0.00	4.26	0.00	0	0	0	100	0.00	0.0	2.625	0.005	0	0	0	0
PD.2648	PL.18158	A	15T	7.24Y	120.7	0.00	4.26	0.00	0	0	0	100	0.00	0.0	2.625	0.005	0	0	0	0
PL.17066	PL.17065	A	6 A (CWC)	7.25Y	120.8	0.00	4.25	1.92	1	14	3	98	0.00	0.0	2.282	0.006	0	0	0	3
PL.17067	PL.17066	A	6 A (CWC)	7.24Y	120.7	0.01	4.25	1.92	1	14	3	98	0.00	0.0	2.369	0.087	8	2	1	3
PL.17068	PL.17067	A	#2 ACSR	7.24Y	120.7	0.00	4.25	0.62	0	4	1	97	0.00	0.0	2.431	0.062	4	1	1	1
PL.17069	PL.17067	A	6 A (CWC)	7.24Y	120.7	0.00	4.25	0.12	0	1	0	100	0.00	0.0	2.428	0.059	1	0	1	1

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Balanced Voltage Drop Report
Source: Beattyville

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.17063	PL.17804	A	#2 ACSR	7.25Y	120.8	0.00	4.19	0.00	0	0	0	100	0.00	0.0	2.028	0.090	0	0	0	0
PL.17060	PL.18246	A	6 A (CWC)	7.25Y	120.8	0.01	4.16	3.86	3	27	6	98	0.00	0.0	1.776	0.039	5	1	1	4
PL.17061	PL.17060	A	6 A (CWC)	7.25Y	120.8	0.01	4.16	3.17	2	22	5	98	0.00	0.0	1.828	0.051	0	0	0	3
PL.17866	PL.17061	A	6 A (CWC)	7.25Y	120.8	0.01	4.18	3.17	2	22	5	98	0.00	0.0	1.914	0.086	0	0	0	3
PL.17867	PL.17866	A	6 A (CWC)	7.25Y	120.8	0.00	4.18	1.78	1	13	3	97	0.00	0.0	1.974	0.060	0	0	0	2
PL.17184	PL.17867	A	#1/0 ACSR	7.25Y	120.8	0.00	4.18	1.73	1	12	3	97	0.00	0.0	2.014	0.040	12	3	1	1
PL.17185	PL.17867	A	6 A (CWC)	7.25Y	120.8	0.00	4.18	0.05	0	0	0	100	0.00	0.0	2.067	0.093	0	0	0	1
PL.17186	PL.17185	A	6 A (CWC)	7.25Y	120.8	0.00	4.18	0.05	0	0	0	100	0.00	0.0	2.128	0.060	0	0	0	1
PL.17187	PL.17186	A	#1/0 ACSR	7.25Y	120.8	0.00	4.18	0.05	0	0	0	100	0.00	0.0	2.146	0.019	0	0	1	1
PL.65821	PL.17187	A	#1/0 ACSR	7.25Y	120.8	0.00	4.18	0.00	0	0	0	100	0.00	0.0	2.171	0.025	0	0	0	0
PL.17183	PL.17866	A	#1/0 ACSR	7.25Y	120.8	0.00	4.18	1.40	1	10	2	98	0.00	0.0	1.977	0.063	10	2	1	1
PL.17218	PL.18240	ABC	#3/0 ACSR	7.23Y	120.5	0.38	4.50	188.81	63	3938	1170	96	9.47	0.2	1.808	0.158	0	0	0	760
PL.17219	PL.17218	ABC	#3/0 ACSR	7.22Y	120.3	0.17	4.67	188.81	63	3929	1156	96	4.22	0.1	1.879	0.070	0	0	0	760
PL.17356	PL.17219	ABC	#3/0 ACSR	7.21Y	120.2	0.16	4.83	188.81	63	3925	1150	96	4.02	0.1	1.946	0.067	0	0	0	760
PL.17357	PL.17356	ABC	#3/0 ACSR	7.19Y	119.9	0.28	5.11	188.81	63	3921	1144	96	7.02	0.2	2.063	0.117	0	0	0	760
PL.17358	PL.17357	ABC	#3/0 ACSR	7.18Y	119.7	0.14	5.25	188.81	63	3914	1134	96	3.49	0.1	2.121	0.058	0	0	0	760
PL.17361	PL.17358	A	#4 ACSR	7.18Y	119.7	0.00	5.25	0.84	1	6	1	99	0.00	0.0	2.165	0.044	6	1	1	1
PL.17359	PL.17358	ABC	#3/0 ACSR	7.18Y	119.6	0.12	5.37	188.53	63	3904	1128	96	3.02	0.1	2.172	0.051	0	0	0	759
PL.18237	PL.17359	ABC	#3/0 ACSR	7.18Y	119.6	0.01	5.38	188.53	63	3901	1123	96	0.28	0.0	2.176	0.005	0	0	0	759
PD.2712-A	PL.18237	ABC	Closed	7.18Y	119.6	0.00	5.38	188.53	0	3901	1123	96	0.00	0.0	2.176	0.005	0	0	0	759
PD.2712-B	PD.2712-A	ABC	Closed	7.18Y	119.6	0.00	5.38	188.53	0	3901	1123	96	0.00	0.0	2.176	0.005	0	0	0	759
PL.18238	PD.2712-B	ABC	#3/0 ACSR	7.18Y	119.6	0.02	5.40	188.53	63	3901	1123	96	0.38	0.0	2.183	0.006	0	0	0	759
PL.18182	PL.18238	C	#1/0 ACSR	7.18Y	119.6	0.00	5.40	1.16	1	8	2	97	0.00	0.0	2.187	0.005	0	0	0	1
PD.2660	PL.18182	C	65T	7.18Y	119.6	0.00	5.40	1.16	0	8	2	97	0.00	0.0	2.187	0.005	0	0	0	1
PL.18183	PD.2660	C	#1/0 ACSR	7.18Y	119.6	0.00	5.40	1.16	1	8	2	97	0.00	0.0	2.241	0.054	8	2	1	1
PL.17360	PL.18238	ABC	#3/0 ACSR	7.17Y	119.5	0.15	5.55	188.15	63	3892	1120	96	3.65	0.1	2.244	0.061	0	0	0	758
PL.18205	PL.17360	C	6 A (CWC)	7.17Y	119.5	0.00	5.55	6.43	5	45	10	98	0.00	0.0	2.249	0.005	0	0	0	9
PD.2695	PL.18205	C	15T	7.17Y	119.5	0.00	5.55	6.43	0	45	10	98	0.00	0.0	2.249	0.005	0	0	0	9
PL.18206	PD.2695	C	6 A (CWC)	7.17Y	119.4	0.01	5.55	6.43	5	45	10	98	0.00	0.0	2.277	0.028	6	1	3	9
PL.17364	PL.18206	C	#1/0 ACSR	7.17Y	119.4	0.00	5.56	1.76	1	12	3	97	0.00	0.0	2.306	0.029	12	3	1	1
PL.17806	PL.18206	C	6 A (CWC)	7.17Y	119.4	0.01	5.56	3.87	3	27	6	98	0.00	0.0	2.317	0.040	14	3	2	5

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Balanced Voltage Drop Report
Source: Beattyville

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.17827	PL.17806	C	6 A (CWC)	7.17Y	119.4	0.00	5.56	1.46	1	10	2	98	0.00	0.0	2.364	0.048	8	2	1	2
PL.17826	PL.17827	C	6 A (CWC)	7.17Y	119.4	0.00	5.56	0.29	0	2	0	100	0.00	0.0	2.430	0.066	2	0	1	1
PL.17363	PL.17806	C	#1/0 ACSR	7.17Y	119.4	0.00	5.56	0.37	0	3	1	95	0.00	0.0	2.364	0.047	3	1	1	1
PL.17220	PL.17360	ABC	#3/0 ACSR	7.16Y	119.4	0.06	5.60	186.00	62	3844	1105	96	1.46	0.0	2.269	0.025	18	4	4	749
PL.17362	PL.17220	ABC	#3/0 ACSR	7.16Y	119.3	0.13	5.73	185.14	62	3824	1099	96	3.15	0.1	2.324	0.055	20	5	2	745
PL.17365	PL.17362	ABC	#3/0 ACSR	7.15Y	119.2	0.10	5.84	184.17	61	3801	1089	96	2.53	0.1	2.369	0.044	0	0	0	743
PL.17366	PL.17365	ABC	#3/0 ACSR	7.14Y	119.1	0.09	5.93	184.17	61	3798	1086	96	2.14	0.1	2.406	0.038	5	1	2	743
PL.17367	PL.17366	ABC	#3/0 ACSR	7.14Y	118.9	0.13	6.06	183.94	61	3791	1081	96	3.22	0.1	2.463	0.057	0	0	0	741
PL.18172	PL.17367	C	6 A (CWC)	7.14Y	118.9	0.00	6.06	0.74	1	5	1	98	0.00	0.0	2.468	0.005	0	0	0	2
PD.2655	PL.18172	C	65T	7.14Y	118.9	0.00	6.06	0.74	0	5	1	98	0.00	0.0	2.468	0.005	0	0	0	2
PL.18173	PD.2655	C	6 A (CWC)	7.14Y	118.9	0.00	6.06	0.74	1	5	1	98	0.00	0.0	2.527	0.059	0	0	0	2
PL.17372	PL.18173	C	6 A (CWC)	7.14Y	118.9	0.00	6.06	0.74	1	5	1	98	0.00	0.0	2.607	0.080	2	1	1	2
PL.17373	PL.17372	C	#2 ACSR	7.14Y	118.9	0.00	6.06	0.39	0	3	1	95	0.00	0.0	2.660	0.053	3	1	1	1
PL.17368	PL.17367	ABC	#3/0 ACSR	7.13Y	118.8	0.12	6.17	183.69	61	3783	1076	96	2.84	0.1	2.513	0.050	0	0	0	739
PL.17369	PL.17368	ABC	#2/0 ACSR	7.13Y	118.8	0.04	6.21	183.24	68	3771	1069	96	0.96	0.0	2.527	0.013	0	0	0	737
PL.18201	PL.17369	C	6 A (CWC)	7.13Y	118.8	0.00	6.21	7.65	5	53	12	98	0.00	0.0	2.531	0.005	0	0	0	2
PD.2693	PL.18201	C	65T	7.13Y	118.8	0.00	6.21	7.65	0	53	12	98	0.00	0.0	2.531	0.005	0	0	0	2
PL.18202	PD.2693	C	6 A (CWC)	7.13Y	118.8	0.00	6.22	7.65	5	53	12	98	0.00	0.0	2.556	0.025	53	12	2	2
PL.17370	PL.17369	ABC	#3/0 ACSR	7.12Y	118.7	0.07	6.28	180.70	60	3716	1056	96	1.60	0.0	2.556	0.029	0	0	0	735
PL.18251	PL.17370	B	6 A (CWC)	7.12Y	118.7	0.00	6.28	17.85	13	124	28	98	0.00	0.0	2.558	0.003	0	0	0	20
PD.2719	PL.18251	B	35L	7.12Y	118.7	0.00	6.28	17.85	51	124	28	98	0.00	0.0	2.558	0.003	0	0	0	20
PL.18252	PD.2719	B	6 A (CWC)	7.12Y	118.7	0.06	6.34	17.85	13	124	28	98	0.06	0.0	2.640	0.081	8	2	1	20
PL.17814	PL.18252	B	6 A (CWC)	7.12Y	118.6	0.05	6.39	16.06	11	111	25	98	0.04	0.0	2.706	0.066	0	0	0	18
PL.17865	PL.17814	B	6 A (CWC)	7.11Y	118.6	0.03	6.42	14.38	10	100	23	97	0.02	0.0	2.748	0.042	0	0	0	17
PL.17395	PL.17865	B	6 A (CWC)	7.11Y	118.5	0.03	6.45	14.38	10	100	23	97	0.03	0.0	2.802	0.054	3	1	1	17
PL.17399	PL.17395	B	6 A (CWC)	7.11Y	118.5	0.01	6.47	12.73	9	88	20	98	0.01	0.0	2.826	0.024	0	0	0	14
PL.17400	PL.17399	B	#2 ACSR	7.11Y	118.5	0.00	6.47	1.43	1	10	2	98	0.00	0.0	2.871	0.045	0	0	0	1
PL.17401	PL.17400	B	#2 ACSR	7.11Y	118.5	0.00	6.47	1.43	1	10	2	98	0.00	0.0	2.901	0.031	10	2	1	1
PL.17818	PL.17399	B	#4 ACSR	7.11Y	118.5	0.02	6.48	11.30	9	78	18	97	0.01	0.0	2.862	0.036	13	3	2	13
PL.17819	PL.17818	B	#4 ACSR	7.11Y	118.5	0.02	6.51	9.44	7	65	15	97	0.01	0.0	2.917	0.055	0	0	0	11
PL.17660	PL.17819	B	#4 ACSR	7.11Y	118.5	0.00	6.51	2.69	2	19	4	98	0.00	0.0	2.941	0.024	5	1	2	4

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Balanced Voltage Drop Report
Source: Beattyville

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.17407	PL.17660	B	#4 ACSR	7.11Y	118.5	0.00	6.51	2.00	2	14	3	98	0.00	0.0	2.980	0.039	14	3	2	2
PL.17816	PL.17819	B	#4 ACSR	7.11Y	118.5	0.01	6.52	6.75	5	47	11	97	0.01	0.0	2.972	0.054	9	2	1	7
PL.17817	PL.17816	B	#4 ACSR	7.11Y	118.5	0.01	6.53	5.47	4	38	9	97	0.00	0.0	3.010	0.038	0	0	0	6
PL.17402	PL.17817	B	#4 ACSR	7.11Y	118.5	0.00	6.53	1.61	1	11	3	96	0.00	0.0	3.058	0.048	11	3	1	1
PL.17403	PL.17817	B	#2 ACSR	7.11Y	118.5	0.00	6.54	3.86	2	27	6	98	0.00	0.0	3.054	0.044	14	3	3	5
PL.17404	PL.17403	B	#4 ACSR	7.11Y	118.5	0.01	6.54	1.89	1	13	3	97	0.00	0.0	3.118	0.064	0	0	0	2
PL.17405	PL.17404	B	#4 ACSR	7.11Y	118.5	0.00	6.54	1.89	1	13	3	97	0.00	0.0	3.160	0.041	6	1	1	2
PL.17406	PL.17405	B	#4 ACSR	7.11Y	118.5	0.00	6.54	1.04	1	7	2	96	0.00	0.0	3.210	0.050	7	2	1	1
PL.17396	PL.17395	B	#4 ACSR	7.11Y	118.5	0.00	6.46	1.24	1	9	2	98	0.00	0.0	2.877	0.075	0	0	0	2
PL.17659	PL.17396	B	#4 ACSR	7.11Y	118.5	0.00	6.46	0.43	0	3	1	95	0.00	0.0	2.901	0.024	3	1	1	1
PL.17397	PL.17396	B	#4 ACSR	7.11Y	118.5	0.00	6.46	0.81	1	6	1	99	0.00	0.0	2.965	0.088	0	0	0	1
PL.17398	PL.17397	B	#4 ACSR	7.11Y	118.5	0.00	6.46	0.81	1	6	1	99	0.00	0.0	3.022	0.057	6	1	1	1
PL.17394	PL.17814	B	6 A (CWC)	7.12Y	118.6	0.00	6.40	1.68	1	12	3	97	0.00	0.0	2.820	0.114	12	3	1	1
PL.17375	PL.18252	B	#4 ACSR	7.12Y	118.7	0.00	6.35	0.70	1	5	1	98	0.00	0.0	2.725	0.086	5	1	1	1
PL.17374	PL.17370	ABC	#3/0 ACSR	7.11Y	118.5	0.22	6.50	174.75	58	3591	1026	96	5.03	0.1	2.654	0.099	20	5	5	715
PL.17221	PL.17374	ABC	#3/0 ACSR	7.09Y	118.2	0.27	6.76	173.78	58	3565	1014	96	6.16	0.2	2.776	0.121	0	0	0	710
REG24	PL.17221	ABC	250kva	7.52Y	125.3	-7.05	-0.28	173.78	53	3559	1005	96	percent Boost= 5.62		Tap= 9.0					710
PL.17376	REG24	ABC	#3/0 ACSR	7.51Y	125.2	0.05	-0.24	164.00	55	3559	1005	96	0.99	0.0	2.798	0.022	0	0	0	710
PL.18174	PL.17376	A	#4 ACSR	7.51Y	125.2	0.00	-0.24	0.14	0	1	0	100	0.00	0.0	2.802	0.005	0	0	0	1
PD.2656	PL.18174	A	25T	7.51Y	125.2	0.00	-0.24	0.14	0	1	0	100	0.00	0.0	2.802	0.005	0	0	0	1
PL.18175	PD.2656	A	#4 ACSR	7.51Y	125.2	0.00	-0.24	0.14	0	1	0	100	0.00	0.0	2.881	0.078	1	0	1	1
PL.17377	PL.17376	ABC	#3/0 ACSR	7.51Y	125.1	0.12	-0.12	163.95	55	3557	1003	96	2.52	0.1	2.854	0.056	4	1	1	709
PL.17378	PL.17377	ABC	#3/0 ACSR	7.50Y	125.1	0.06	-0.06	145.75	49	3157	898	96	1.17	0.0	2.886	0.033	0	0	0	621
PL.17390	PL.17378	ABC	#3/0 ACSR	7.50Y	125.0	0.06	-0.00	145.75	49	3156	896	96	1.12	0.0	2.918	0.032	17	4	3	621
PL.18176	PL.17390	C	#4 ACSR	7.50Y	125.0	0.00	-0.00	1.19	1	9	2	98	0.00	0.0	2.922	0.005	0	0	0	3
PD.2657	PL.18176	C	65T	7.50Y	125.0	0.00	-0.00	1.19	0	9	2	98	0.00	0.0	2.922	0.005	0	0	0	3
PL.18177	PD.2657	C	#4 ACSR	7.50Y	125.0	0.00	-0.00	1.19	1	9	2	98	0.00	0.0	2.943	0.021	9	2	3	3
PL.17391	PL.17390	ABC	#3/0 ACSR	7.50Y	125.0	0.04	0.03	144.58	48	3129	889	96	0.69	0.0	2.937	0.020	2	1	1	615
PL.17392	PL.17391	ABC	#3/0 ACSR	7.50Y	124.9	0.04	0.08	144.47	48	3126	887	96	0.84	0.0	2.961	0.024	3	1	2	614
PL.17705	PL.17392	ABC	#3/0 ACSR	7.49Y	124.9	0.07	0.14	144.35	48	3123	885	96	1.26	0.0	2.997	0.036	0	0	0	612
PL.18219	PL.17705	ABC	6 A (CWC)	7.49Y	124.9	0.00	0.14	1.37	1	30	7	97	0.00	0.0	3.002	0.005	0	0	0	10

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Balanced Voltage Drop Report
Source: Beattyville

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.2702	PL.18219	ABC	65T	7.49Y	124.9	0.00	0.14	1.37	0	30	7	97	0.00	0.0	3.002	0.005	0	0	0	10
PL.18220	PD.2702	ABC	6 A (CWC)	7.49Y	124.9	0.00	0.15	1.37	1	30	7	97	0.00	0.0	3.090	0.088	3	1	2	10
PL.17408	PL.18220	ABC	6 A (CWC)	7.49Y	124.9	0.00	0.15	1.24	1	27	6	98	0.00	0.0	3.127	0.037	0	0	0	8
PL.17461	PL.17408	ABC	6 A (CWC)	7.49Y	124.8	0.00	0.15	1.24	1	27	6	98	0.00	0.0	3.218	0.091	0	0	0	8
PL.17464	PL.17461	ABC	6 A (CWC)	7.49Y	124.8	0.00	0.16	0.48	0	10	2	98	0.00	0.0	3.312	0.094	0	0	0	4
PL.17465	PL.17464	ABC	6 A (CWC)	7.49Y	124.8	0.00	0.16	0.48	0	10	2	98	0.00	0.0	3.363	0.051	0	0	2	4
PL.18178	PL.17465	C	6 A (CWC)	7.49Y	124.8	0.00	0.16	1.37	1	10	2	98	0.00	0.0	3.368	0.004	0	0	0	2
PD.2658	PL.18178	C	25T	7.49Y	124.8	0.00	0.16	1.37	0	10	2	98	0.00	0.0	3.368	0.004	0	0	0	2
PL.18179	PD.2658	C	6 A (CWC)	7.49Y	124.8	0.00	0.16	1.37	1	10	2	98	0.00	0.0	3.397	0.029	0	0	0	2
PL.17466	PL.18179	C	6 A (CWC)	7.49Y	124.8	0.00	0.16	1.37	1	10	2	98	0.00	0.0	3.414	0.016	10	2	2	2
PL.17125	PL.17461	C	#4 ACSR	7.49Y	124.8	0.00	0.15	2.29	2	17	4	97	0.00	0.0	3.223	0.005	0	0	0	4
PD.2681	PL.17125	C	40T	7.49Y	124.8	0.00	0.15	2.29	0	17	4	97	0.00	0.0	3.223	0.005	0	0	0	4
PL.17126	PD.2681	C	#4 ACSR	7.49Y	124.8	0.00	0.15	2.29	2	17	4	97	0.00	0.0	3.225	0.002	0	0	0	4
PL.17820	PL.17126	C	#4 ACSR	7.49Y	124.8	0.00	0.16	1.61	1	12	3	97	0.00	0.0	3.267	0.042	0	0	1	3
PL.17821	PL.17820	C	#4 ACSR	7.49Y	124.8	0.00	0.16	1.60	1	12	3	97	0.00	0.0	3.331	0.064	10	2	1	2
PL.17463	PL.17821	C	#4 ACSR	7.49Y	124.8	0.00	0.16	0.28	0	2	0	100	0.00	0.0	3.371	0.040	2	0	1	1
PL.17462	PL.17126	C	#2 ACSR	7.49Y	124.8	0.00	0.15	0.68	0	5	1	98	0.00	0.0	3.273	0.048	5	1	1	1
PL.17822	PL.17705	ABC	#3/0 ACSR	7.49Y	124.8	0.08	0.22	142.98	48	3091	877	96	1.52	0.0	3.042	0.044	3	1	1	602
PL.17823	PL.17822	ABC	#3/0 ACSR	7.48Y	124.7	0.06	0.29	142.83	48	3087	874	96	1.22	0.0	3.077	0.035	0	0	0	601
PL.18217	PL.17823	ABC	#2 ACSR	7.48Y	124.7	0.00	0.29	6.36	4	129	61	90	0.00	0.0	3.082	0.005	0	0	0	2
PD.2701	PL.18217	ABC	65T	7.48Y	124.7	0.00	0.29	6.36	0	129	61	90	0.00	0.0	3.082	0.005	0	0	0	2
PL.18218	PD.2701	ABC	#2 ACSR	7.48Y	124.7	0.00	0.29	6.36	4	129	61	90	0.00	0.0	3.096	0.014	0	0	0	2
PL.17824	PL.18218	ABC	#2 ACSR	7.48Y	124.7	0.01	0.30	6.36	4	129	61	90	0.01	0.0	3.147	0.052	7	2	1	2
PL.17825	PL.17824	ABC	#2 ACSR	7.48Y	124.7	0.00	0.30	6.05	3	122	59	90	0.00	0.0	3.167	0.020	0	0	0	1
PL.18221	PL.17825	ABC	1/0 AL URD	7.48Y	124.7	0.00	0.30	6.05	4	122	59	90	0.00	0.0	3.172	0.005	0	0	0	1
PD.2703	PL.18221	ABC	40T	7.48Y	124.7	0.00	0.30	6.05	0	122	59	90	0.00	0.0	3.172	0.005	0	0	0	1
PL.18222	PD.2703	ABC	1/0 AL URD	7.48Y	124.7	0.00	0.30	6.05	4	122	59	90	0.00	0.0	3.192	0.020	122	59	1	1
PL.17663	PL.17823	ABC	#3/0 ACSR	7.48Y	124.6	0.09	0.37	136.56	46	2956	811	96	1.55	0.1	3.127	0.050	2	0	1	599
PL.17417	PL.17663	ABC	#3/0 ACSR	7.47Y	124.6	0.06	0.43	136.46	45	2953	808	96	1.10	0.0	3.162	0.035	0	0	0	598
PL.17415	PL.17417	ABC	#2/0 ACSR	7.47Y	124.5	0.03	0.46	136.46	51	2951	807	96	0.61	0.0	3.177	0.015	0	0	0	598
PL.17416	PL.17415	ABC	#3/0 ACSR	7.47Y	124.4	0.10	0.57	136.46	45	2951	806	96	1.85	0.1	3.236	0.059	2	0	2	598

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Balanced Voltage Drop Report
Source: Beattyville

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.17123	PL.17416	C	6 A (CWC)	7.47Y	124.4	0.00	0.57	0.00	0	0	0	100	0.00	0.0	3.241	0.005	0	0	0	0
PD.2680	PL.17123	C	65T	7.47Y	124.4	0.00	0.57	0.00	0	0	0	100	0.00	0.0	3.241	0.005	0	0	0	0
PL.17124	PD.2680	C	6 A (CWC)	7.47Y	124.4	0.00	0.57	0.00	0	0	0	100	0.00	0.0	3.303	0.062	0	0	0	0
PL.17418	PL.17124	C	#2 ACSR	7.47Y	124.4	0.00	0.57	0.00	0	0	0	100	0.00	0.0	3.343	0.040	0	0	0	0
PL.18180	PL.17416	A	6 A (CWC)	7.47Y	124.4	0.00	0.57	2.00	1	15	3	98	0.00	0.0	3.241	0.004	0	0	0	3
PD.2659	PL.18180	A	65T	7.47Y	124.4	0.00	0.57	2.00	0	15	3	98	0.00	0.0	3.241	0.004	0	0	0	3
PL.18181	PD.2659	A	6 A (CWC)	7.47Y	124.4	0.00	0.57	2.00	1	15	3	98	0.00	0.0	3.245	0.005	0	0	0	3
PL.17706	PL.18181	A	6 A (CWC)	7.47Y	124.4	0.00	0.57	2.00	1	15	3	98	0.00	0.0	3.271	0.026	5	1	1	3
PL.17412	PL.17706	A	6 A (CWC)	7.47Y	124.4	0.00	0.57	1.32	1	10	2	98	0.00	0.0	3.356	0.085	10	2	2	2
PL.17414	PL.17416	ABC	#3/0 ACSR	7.46Y	124.4	0.07	0.63	135.72	45	2933	800	96	1.22	0.0	3.276	0.039	1	0	2	593
PL.17410	PL.17414	ABC	#1/0 ACSR	7.46Y	124.4	0.00	0.63	0.00	0	0	0	100	0.00	0.0	3.298	0.022	0	0	0	0
PL.18225	PL.17410	ABC	1/0 AL URD	7.46Y	124.4	0.00	0.63	0.00	0	0	0	100	0.00	0.0	3.302	0.004	0	0	0	0
PD.2706	PL.18225	ABC	65T	7.46Y	124.4	0.00	0.63	0.00	0	0	0	100	0.00	0.0	3.302	0.004	0	0	0	0
PL.18226	PD.2706	ABC	1/0 AL URD	7.46Y	124.4	0.00	0.63	0.00	0	0	0	100	0.00	0.0	3.428	0.125	0	0	0	0
PL.17411	PL.17414	ABC	#2 ACSR	7.46Y	124.4	0.00	0.63	1.53	1	32	13	93	0.00	0.0	3.280	0.005	0	0	0	4
PD.2705	PL.17411	ABC	65T	7.46Y	124.4	0.00	0.63	1.53	0	32	13	93	0.00	0.0	3.280	0.005	0	0	0	4
PL.17713	PD.2705	ABC	#2 ACSR	7.46Y	124.4	0.00	0.63	1.53	1	32	13	93	0.00	0.0	3.281	0.001	9	2	1	4
PL.17791	PL.17713	ABC	#2 ACSR	7.46Y	124.4	0.00	0.63	1.13	1	23	11	90	0.00	0.0	3.333	0.052	0	0	0	3
PL.17413	PL.17791	ABC	#2 ACSR	7.46Y	124.4	0.00	0.63	1.13	1	23	11	90	0.00	0.0	3.347	0.014	23	11	3	3
PL.17409	PL.17414	ABC	#3/0 ACSR	7.46Y	124.3	0.03	0.67	134.16	45	2899	784	97	0.61	0.0	3.296	0.020	0	0	0	587
PL.17222	PL.17409	ABC	#3/0 ACSR	7.45Y	124.2	0.08	0.75	134.16	45	2898	783	97	1.50	0.1	3.346	0.050	8	4	1	587
PL.17875	PL.17222	ABC	#3/0 ACSR	7.45Y	124.2	0.04	0.79	133.76	45	2889	777	97	0.72	0.0	3.370	0.024	22	5	3	586
PL.17876	PL.17875	ABC	#3/0 ACSR	7.45Y	124.2	0.03	0.82	132.39	44	2858	770	97	0.49	0.0	3.386	0.017	6	1	3	582
PL.17223	PL.17876	ABC	#3/0 ACSR	7.45Y	124.1	0.07	0.89	132.13	44	2852	768	97	1.33	0.0	3.432	0.045	0	0	0	579
PL.18019	PL.17223	ABC	#3/0 ACSR	7.45Y	124.1	0.01	0.91	120.53	40	2608	668	97	0.19	0.0	3.440	0.008	3	1	1	557
PL.18020	PL.18019	ABC	#3/0 ACSR	7.44Y	124.0	0.09	1.00	120.39	40	2605	667	97	1.50	0.1	3.501	0.061	0	0	0	556
PL.17230	PL.18020	ABC	#3/0 ACSR	7.44Y	123.9	0.07	1.07	120.39	40	2604	665	97	1.13	0.0	3.548	0.046	1	0	1	556
PL.17231	PL.17230	ABC	#3/0 ACSR	7.43Y	123.9	0.02	1.08	120.14	40	2597	662	97	0.29	0.0	3.559	0.012	0	0	0	554
PL.18229	PL.17231	ABC	#4 ACSR	7.43Y	123.9	0.00	1.08	1.50	1	31	14	91	0.00	0.0	3.564	0.005	0	0	0	2
PD.2708	PL.18229	ABC	65T	7.43Y	123.9	0.00	1.08	1.50	0	31	14	91	0.00	0.0	3.564	0.005	0	0	0	2
PL.18230	PD.2708	ABC	#4 ACSR	7.43Y	123.9	0.00	1.08	1.50	1	31	14	91	0.00	0.0	3.579	0.015	0	0	0	2

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

Balanced Voltage Drop Report
Source: Beattyville

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.18265	PL.18230	ABC	#4 ACSR	7.43Y	123.9	0.00	1.09	1.50	1	31	14	91	0.00	0.0	3.613	0.034	0	0	0	2
PL.18266	PL.18265	ABC	#4 ACSR	7.43Y	123.9	0.00	1.09	1.50	1	31	14	91	0.00	0.0	3.622	0.009	0	0	0	2
PL.17233	PL.18266	ABC	#4 ACSR	7.43Y	123.9	0.00	1.09	1.50	1	31	14	91	0.00	0.0	3.667	0.044	0	0	0	2
PL.18142	PL.17233	A	#1/0 ACSR	7.43Y	123.9	0.00	1.09	0.57	0	4	1	97	0.00	0.0	3.671	0.005	0	0	0	1
PD.2638	PL.18142	A	40T	7.43Y	123.9	0.00	1.09	0.57	0	4	1	97	0.00	0.0	3.671	0.005	0	0	0	1
PL.18143	PD.2638	A	#1/0 ACSR	7.43Y	123.9	0.00	1.09	0.57	0	4	1	97	0.00	0.0	3.733	0.062	0	0	0	1
PL.17237	PL.18143	A	#1/0 ACSR	7.43Y	123.9	0.00	1.09	0.57	0	4	1	97	0.00	0.0	3.777	0.044	4	1	1	1
PL.17234	PL.17233	ABC	#4 ACSR	7.43Y	123.9	0.00	1.09	1.32	1	26	13	89	0.00	0.0	3.724	0.058	0	0	0	1
PL.18231	PL.17234	ABC	1/0 AL URD	7.43Y	123.9	0.00	1.09	1.32	1	26	13	89	0.00	0.0	3.729	0.005	0	0	0	1
PD.2709	PL.18231	ABC	40T	7.43Y	123.9	0.00	1.09	1.32	0	26	13	89	0.00	0.0	3.729	0.005	0	0	0	1
PL.18232	PD.2709	ABC	1/0 AL URD	7.43Y	123.9	0.00	1.09	1.32	1	26	13	89	0.00	0.0	3.737	0.008	26	13	1	1
PL.17664	PL.17234	ABC	#4 ACSR	7.43Y	123.9	0.00	1.09	0.00	0	0	0	100	0.00	0.0	3.751	0.027	0	0	0	0
CP.28	PL.18265	ABC	Cap (300)	7.43Y	123.9	0.00	1.09	0.00	0	0	0	100	0.00	0.0	3.613	0.027	0	0	0	0
PL.17232	PL.17231	ABC	#3/0 ACSR	7.43Y	123.8	0.07	1.16	118.67	40	2566	648	97	1.20	0.0	3.610	0.051	0	0	0	552
PL.18138	PL.17232	ABC	#3/0 ACSR	7.43Y	123.8	0.01	1.16	118.25	39	2556	644	97	0.11	0.0	3.614	0.005	0	0	0	551
PL.18139	PL.18138	ABC	#3/0 ACSR	7.43Y	123.8	0.07	1.23	118.25	39	2556	644	97	1.06	0.0	3.660	0.045	2	1	1	551
PL.18235	PL.18139	ABC	#3/0 ACSR	7.42Y	123.7	0.07	1.30	117.29	39	2534	638	97	1.08	0.0	3.707	0.047	0	0	0	546
PD.2711-A	PL.18235	ABC	Closed	7.42Y	123.7	0.00	1.30	117.29	0	2533	636	97	0.00	0.0	3.707	0.047	0	0	0	546
PD.2711-B	PD.2711-A	ABC	Closed	7.42Y	123.7	0.00	1.30	117.29	0	2533	636	97	0.00	0.0	3.707	0.047	0	0	0	546
PL.18236	PD.2711-B	ABC	#3/0 ACSR	7.42Y	123.7	0.01	1.31	117.29	39	2533	636	97	0.15	0.0	3.713	0.007	7	2	1	546
PL.17991	PL.18236	ABC	#3/0 ACSR	7.42Y	123.6	0.06	1.37	116.97	39	2526	634	97	1.02	0.0	3.758	0.044	11	3	2	545
PL.17990	PL.17991	ABC	#3/0 ACSR	7.41Y	123.6	0.06	1.43	116.44	39	2513	630	97	0.98	0.0	3.801	0.043	11	3	2	543
PL.17238	PL.17990	ABC	#3/0 ACSR	7.41Y	123.5	0.05	1.48	113.17	38	2441	613	97	0.72	0.0	3.834	0.034	3	1	3	531
PL.17240	PL.17238	ABC	#3/0 ACSR	7.41Y	123.5	0.06	1.54	113.02	38	2437	611	97	0.90	0.0	3.876	0.042	0	0	0	528
PL.17103	PL.17240	A	#1/0 ACSR	7.41Y	123.5	0.00	1.54	0.00	0	0	0	100	0.00	0.0	3.881	0.005	0	0	0	0
PD.2671	PL.17103	A	65T	7.41Y	123.5	0.00	1.54	0.00	0	0	0	100	0.00	0.0	3.881	0.005	0	0	0	0
PL.17104	PD.2671	A	#1/0 ACSR	7.41Y	123.5	0.00	1.54	0.00	0	0	0	100	0.00	0.0	4.032	0.152	0	0	0	0
PL.17105	PL.17240	ABC	#3/0 ACSR	7.41Y	123.5	0.01	1.55	113.02	38	2436	610	97	0.09	0.0	3.880	0.004	0	0	0	528
PL.17106	PL.17105	ABC	#3/0 ACSR	7.40Y	123.4	0.04	1.59	113.02	38	2436	610	97	0.65	0.0	3.911	0.031	32	7	3	528
PL.17880	PL.17106	ABC	#3/0 ACSR	7.40Y	123.3	0.12	1.71	110.87	37	2389	598	97	1.86	0.1	4.001	0.090	0	0	0	514
PL.17837	PL.17880	ABC	#3/0 ACSR	7.39Y	123.1	0.15	1.86	110.87	37	2387	595	97	2.21	0.1	4.109	0.108	14	3	1	514

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Balanced Voltage Drop Report
Source: Beattyville

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.17838	PL.17837	ABC	#3/0 ACSR	7.39Y	123.1	0.02	1.88	110.24	37	2371	589	97	0.35	0.0	4.126	0.017	0	0	0	513
PL.18263	PL.17838	ABC	#3/0 ACSR	7.39Y	123.1	0.01	1.89	110.24	37	2371	588	97	0.09	0.0	4.130	0.004	0	0	0	513
PL.18264	PL.18263	ABC	#3/0 ACSR	7.39Y	123.1	0.03	1.91	110.24	37	2371	588	97	0.42	0.0	4.151	0.020	0	0	0	513
PL.17248	PL.18264	ABC	#1/0 ACSR	7.38Y	123.1	0.02	1.94	43.00	19	924	234	97	0.14	0.0	4.178	0.028	0	0	0	164
PL.18259	PL.17248	ABC	#1/0 ACSR	7.38Y	123.1	0.00	1.94	43.00	19	923	234	97	0.01	0.0	4.181	0.003	0	0	0	164
PD.2723	PL.18259	ABC	100L	7.38Y	123.1	0.00	1.94	43.00	43	923	234	97	0.00	0.0	4.181	0.003	0	0	0	164
PL.18260	PD.2723	ABC	#1/0 ACSR	7.38Y	123.0	0.06	1.99	43.00	19	923	234	97	0.37	0.0	4.255	0.074	0	0	0	164
PL.17476	PL.18260	ABC	#1/0 ACSR	7.37Y	122.9	0.11	2.10	43.00	19	923	234	97	0.70	0.1	4.397	0.141	0	0	0	164
PL.17477	PL.17476	ABC	#1/0 ACSR	7.37Y	122.8	0.07	2.17	43.00	19	922	233	97	0.46	0.0	4.491	0.094	15	3	1	164
PL.18128	PL.17477	A	6 A (CWC)	7.37Y	122.8	0.01	2.18	30.46	22	219	50	97	0.01	0.0	4.496	0.005	0	0	0	49
PD.2632	PL.18128	A	40T	7.37Y	122.8	0.00	2.18	30.46	0	219	50	97	0.00	0.0	4.496	0.005	0	0	0	49
PL.18129	PD.2632	A	6 A (CWC)	7.36Y	122.7	0.12	2.30	30.46	22	219	50	97	0.20	0.1	4.585	0.090	0	0	0	49
PL.17250	PL.18129	A	#4 ACSR	7.36Y	122.7	0.01	2.31	9.29	7	67	15	98	0.00	0.0	4.601	0.016	2	0	1	9
PL.17251	PL.17250	A	#4 ACSR	7.36Y	122.7	0.02	2.33	9.03	7	65	15	97	0.01	0.0	4.654	0.053	18	4	2	8
PL.17252	PL.17251	A	#4 ACSR	7.36Y	122.7	0.02	2.35	6.50	5	47	11	97	0.01	0.0	4.744	0.090	19	4	2	6
PL.17253	PL.17252	A	#4 ACSR	7.36Y	122.6	0.01	2.36	3.92	3	28	6	98	0.00	0.0	4.802	0.058	12	3	2	4
PL.17254	PL.17253	A	#4 ACSR	7.36Y	122.6	0.00	2.36	2.28	2	16	4	97	0.00	0.0	4.864	0.062	16	4	2	2
PL.17985	PL.18129	A	6 A (CWC)	7.36Y	122.7	0.03	2.34	21.18	15	152	35	97	0.03	0.0	4.620	0.035	19	4	3	40
PL.17986	PL.17985	A	6 A (CWC)	7.36Y	122.6	0.07	2.41	18.51	13	133	30	98	0.07	0.1	4.708	0.088	2	0	1	37
PL.17255	PL.17986	A	#1/0 ACSR	7.36Y	122.6	0.00	2.41	0.73	0	5	1	98	0.00	0.0	4.775	0.067	5	1	4	4
PL.17891	PL.17986	A	6 A (CWC)	7.35Y	122.6	0.04	2.45	17.49	12	125	29	97	0.04	0.0	4.763	0.055	14	3	3	32
PL.17894	PL.17891	A	6 A (CWC)	7.35Y	122.5	0.03	2.48	15.52	11	111	25	98	0.03	0.0	4.810	0.047	3	1	2	29
PL.17895	PL.17894	A	6 A (CWC)	7.35Y	122.5	0.00	2.49	1.97	1	14	3	98	0.00	0.0	4.862	0.052	2	0	2	5
PL.17259	PL.17895	A	#2 ACSR	7.35Y	122.5	0.00	2.49	1.67	1	12	3	97	0.00	0.0	4.891	0.029	12	3	3	3
PL.17257	PL.17894	A	#2 ACSR	7.35Y	122.5	0.00	2.48	0.00	0	0	0	100	0.00	0.0	4.880	0.070	0	0	0	0
PL.17258	PL.17894	A	6 A (CWC)	7.35Y	122.5	0.02	2.50	13.12	9	94	21	98	0.01	0.0	4.837	0.028	0	0	0	22
PL.17975	PL.17258	A	6 A (CWC)	7.35Y	122.4	0.06	2.56	12.75	9	91	21	97	0.04	0.0	4.950	0.112	8	2	1	21
PL.17976	PL.17975	A	6 A (CWC)	7.34Y	122.4	0.02	2.58	11.63	8	83	19	97	0.02	0.0	4.996	0.046	0	0	0	20
PL.17970	PL.17976	A	6 A (CWC)	7.34Y	122.4	0.04	2.62	11.63	8	83	19	97	0.02	0.0	5.073	0.077	9	2	1	20
PL.17971	PL.17970	A	6 A (CWC)	7.34Y	122.4	0.02	2.64	10.41	7	75	17	98	0.01	0.0	5.106	0.033	0	0	0	19
PL.17665	PL.17971	A	6 A (CWC)	7.34Y	122.4	0.00	2.64	7.11	5	51	12	97	0.00	0.0	5.119	0.013	0	0	2	13

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

Balanced Voltage Drop Report
Source: Beattyville

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.17966	PL.17665	A	6 A (CWC)	7.34Y	122.3	0.01	2.65	7.08	5	51	12	97	0.00	0.0	5.146	0.027	0	0	0	11
PL.17967	PL.17966	A	6 A (CWC)	7.34Y	122.3	0.01	2.66	7.08	5	51	12	97	0.00	0.0	5.179	0.032	7	2	2	11
PL.17968	PL.17967	A	#4 ACSR	7.34Y	122.3	0.01	2.67	6.05	5	43	10	97	0.00	0.0	5.239	0.060	9	2	3	9
PL.17969	PL.17968	A	#4 ACSR	7.34Y	122.3	0.01	2.69	4.73	4	34	8	97	0.00	0.0	5.307	0.068	16	4	3	6
PL.17972	PL.17969	A	#4 ACSR	7.34Y	122.3	0.00	2.69	2.56	2	18	4	98	0.00	0.0	5.363	0.056	13	3	2	3
PL.17973	PL.17972	A	#4 ACSR	7.34Y	122.3	0.00	2.69	0.73	1	5	1	98	0.00	0.0	5.410	0.047	5	1	1	1
PL.17261	PL.17971	A	6 A (CWC)	7.34Y	122.4	0.01	2.65	3.31	2	24	5	98	0.00	0.0	5.166	0.060	0	0	0	6
PL.17262	PL.17261	A	#4 ACSR	7.34Y	122.4	0.00	2.65	0.50	0	4	1	97	0.00	0.0	5.198	0.032	4	1	1	1
PL.17263	PL.17261	A	#1/0 ACSR	7.34Y	122.4	0.00	2.65	0.84	0	6	1	99	0.00	0.0	5.214	0.048	0	0	0	1
PL.17264	PL.17263	A	#1/0 ACSR	7.34Y	122.4	0.00	2.65	0.84	0	6	1	99	0.00	0.0	5.253	0.038	6	1	1	1
PL.17666	PL.17261	A	6 A (CWC)	7.34Y	122.3	0.00	2.65	1.97	1	14	3	98	0.00	0.0	5.240	0.074	14	3	4	4
PL.17260	PL.17258	A	#1/0 ACSR	7.35Y	122.5	0.00	2.50	0.38	0	3	1	95	0.00	0.0	4.870	0.033	3	1	1	1
PL.18112	PL.17477	ABC	#1/0 ACSR	7.37Y	122.8	0.02	2.19	32.17	14	688	179	97	0.09	0.0	4.526	0.035	76	37	1	114
PL.18113	PL.18112	ABC	#1/0 ACSR	7.37Y	122.8	0.01	2.21	28.43	12	612	142	97	0.05	0.0	4.549	0.023	4	1	3	113
PL.17249	PL.18113	C	6 A (CWC)	7.37Y	122.8	0.00	2.21	0.00	0	0	0	100	0.00	0.0	4.586	0.037	0	0	0	0
PL.18114	PL.17249	C	6 A (CWC)	7.37Y	122.8	0.00	2.21	0.00	0	0	0	100	0.00	0.0	4.590	0.005	0	0	0	0
PL.17888	PL.18113	ABC	#1/0 ACSR	7.36Y	122.7	0.07	2.27	28.26	12	608	141	97	0.28	0.0	4.681	0.133	5	1	1	110
PL.17265	PL.17888	ABC	#1/0 ACSR	7.36Y	122.7	0.01	2.29	27.62	12	594	138	97	0.06	0.0	4.711	0.030	0	0	0	107
PL.17266	PL.17265	ABC	#1/0 ACSR	7.36Y	122.7	0.02	2.31	27.62	12	594	138	97	0.10	0.0	4.758	0.047	0	0	0	107
PL.17667	PL.17266	ABC	#1/0 ACSR	7.36Y	122.6	0.06	2.37	23.23	10	500	116	97	0.22	0.0	4.910	0.151	0	0	0	94
PL.17892	PL.17667	ABC	#1/0 ACSR	7.36Y	122.6	0.03	2.40	23.23	10	500	116	97	0.11	0.0	4.987	0.078	0	0	0	94
PL.17893	PL.17892	ABC	#1/0 ACSR	7.35Y	122.5	0.05	2.46	22.40	10	482	112	97	0.18	0.0	5.122	0.134	0	0	0	91
PL.18195	PL.17893	A	#4 ACSR	7.35Y	122.5	0.00	2.46	0.00	0	0	0	100	0.00	0.0	5.126	0.005	0	0	0	0
PD.2690	PL.18195	A	20T	7.35Y	122.5	0.00	2.46	0.00	0	0	0	100	0.00	0.0	5.126	0.005	0	0	0	0
PL.18196	PD.2690	A	#4 ACSR	7.35Y	122.5	0.00	2.46	0.00	0	0	0	100	0.00	0.0	5.208	0.082	0	0	0	0
PL.17670	PL.17893	ABC	#1/0 ACSR	7.35Y	122.5	0.03	2.48	22.40	10	481	112	97	0.09	0.0	5.190	0.069	0	0	0	91
PL.17671	PL.17670	ABC	#1/0 ACSR	7.35Y	122.5	0.06	2.54	22.22	10	477	111	97	0.20	0.0	5.342	0.152	0	0	0	90
PL.17672	PL.17671	ABC	#1/0 ACSR	7.35Y	122.4	0.04	2.58	21.34	9	458	106	97	0.12	0.0	5.440	0.097	0	0	0	85
PL.17673	PL.17672	ABC	#1/0 ACSR	7.34Y	122.4	0.05	2.63	20.64	9	443	103	97	0.15	0.0	5.570	0.131	0	0	0	83
PL.17674	PL.17673	ABC	#1/0 ACSR	7.34Y	122.3	0.07	2.69	20.58	9	442	102	97	0.21	0.0	5.759	0.189	0	0	0	82
PL.17734	PL.17674	ABC	#1/0 ACSR	7.34Y	122.3	0.03	2.73	20.58	9	441	102	97	0.11	0.0	5.855	0.095	0	0	0	82

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Balanced Voltage Drop Report
Source: Beattyville

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.17675	PL.17734	A	#2 ACSR	7.34Y	122.3	0.00	2.73	9.29	5	66	15	98	0.00	0.0	5.859	0.005	0	0	0	15
PD.2642	PL.17675	A	20T	7.34Y	122.3	0.00	2.73	9.29	0	66	15	98	0.00	0.0	5.859	0.005	0	0	0	15
PL.17281	PD.2642	A	#2 ACSR	7.34Y	122.3	0.00	2.73	0.98	1	7	2	96	0.00	0.0	5.881	0.022	7	2	1	1
PL.17916	PD.2642	A	6 A (CWC)	7.34Y	122.3	0.00	2.73	8.31	6	59	14	97	0.00	0.0	5.860	0.000	0	0	0	14
PL.17915	PL.17916	A	6 A (CWC)	7.34Y	122.3	0.00	2.73	8.31	6	59	14	97	0.00	0.0	5.862	0.003	0	0	0	14
PL.17282	PL.17915	A	6 A (CWC)	7.33Y	122.2	0.03	2.76	8.31	6	59	14	97	0.01	0.0	5.943	0.081	0	0	0	14
PL.17917	PL.17282	A	6 A (CWC)	7.33Y	122.2	0.03	2.79	8.31	6	59	14	97	0.01	0.0	6.016	0.073	2	0	1	14
PL.17283	PL.17917	A	6 A (CWC)	7.33Y	122.2	0.02	2.80	2.54	2	18	4	98	0.00	0.0	6.181	0.165	7	2	1	2
PL.17320	PL.17283	A	6 A (CWC)	7.33Y	122.2	0.00	2.81	1.59	1	11	3	96	0.00	0.0	6.250	0.069	11	3	1	1
PL.17918	PL.17917	A	6 A (CWC)	7.33Y	122.2	0.01	2.80	3.07	2	22	5	98	0.00	0.0	6.108	0.092	0	0	0	5
PL.17962	PL.17918	A	6 A (CWC)	7.33Y	122.2	0.01	2.81	2.32	2	17	4	97	0.00	0.0	6.156	0.048	0	0	0	3
PL.17963	PL.17962	A	6 A (CWC)	7.33Y	122.2	0.01	2.82	2.32	2	17	4	97	0.00	0.0	6.267	0.111	0	0	0	3
PL.17289	PL.17963	A	#4 ACSR	7.33Y	122.2	0.00	2.82	0.90	1	6	1	99	0.00	0.0	6.344	0.077	6	1	1	1
PL.17290	PL.17963	A	#2 ACSR	7.33Y	122.2	0.00	2.82	1.41	1	10	2	98	0.00	0.0	6.301	0.034	10	2	2	2
PL.17287	PL.17918	A	#2 ACSR	7.33Y	122.2	0.00	2.80	0.42	0	3	1	95	0.00	0.0	6.155	0.047	3	1	1	1
PL.17288	PL.17918	A	#2 ACSR	7.33Y	122.2	0.00	2.80	0.33	0	2	1	89	0.00	0.0	6.152	0.044	2	1	1	1
PL.17284	PL.17917	A	6 A (CWC)	7.33Y	122.2	0.01	2.80	2.46	2	18	4	98	0.00	0.0	6.099	0.083	0	0	2	6
PL.17286	PL.17284	A	#4 ACSR	7.33Y	122.2	0.00	2.80	2.46	2	18	4	98	0.00	0.0	6.121	0.022	0	0	0	4
PL.17994	PL.17286	A	#4 ACSR	7.33Y	122.2	0.01	2.81	2.34	2	17	4	97	0.00	0.0	6.188	0.066	5	1	1	2
PL.17995	PL.17994	A	#4 ACSR	7.33Y	122.2	0.00	2.81	1.63	1	12	3	97	0.00	0.0	6.238	0.050	0	0	0	1
PL.17637	PL.17995	A	#2 ACSR	7.33Y	122.2	0.00	2.81	1.63	1	12	3	97	0.00	0.0	6.285	0.048	12	3	1	1
PL.17285	PL.17286	A	#1/0 ACSR	7.33Y	122.2	0.00	2.80	0.11	0	1	0	100	0.00	0.0	6.156	0.035	1	0	2	2
PL.18247	PL.17734	B	6 A (CWC)	7.34Y	122.3	0.01	2.74	52.45	37	375	87	97	0.02	0.0	5.857	0.003	0	0	0	67
PD.2717	PL.18247	B	70L	7.34Y	122.3	0.00	2.74	52.45	75	375	87	97	0.00	0.0	5.857	0.003	0	0	0	67
PL.18248	PD.2717	B	6 A (CWC)	7.33Y	122.1	0.18	2.91	52.45	37	375	87	97	0.50	0.1	5.933	0.075	0	0	0	67
PL.17292	PL.18248	B	#2 ACSR	7.33Y	122.1	0.00	2.92	1.57	1	11	3	96	0.00	0.0	6.023	0.090	11	3	2	2
PL.17293	PL.18248	B	6 A (CWC)	7.31Y	121.9	0.20	3.11	49.40	35	353	81	97	0.53	0.2	6.022	0.090	0	0	0	64
PL.17996	PL.17293	B	6 A (CWC)	7.31Y	121.8	0.06	3.17	47.85	34	341	79	97	0.15	0.0	6.050	0.028	15	3	3	61
PL.17997	PL.17996	B	6 A (CWC)	7.30Y	121.7	0.10	3.28	45.76	33	326	75	97	0.26	0.1	6.101	0.050	0	0	0	58
PL.17297	PL.17997	B	6 A (CWC)	7.29Y	121.6	0.17	3.45	45.76	33	326	75	97	0.41	0.1	6.186	0.085	24	5	2	58
PL.17300	PL.17297	B	6 A (CWC)	7.29Y	121.4	0.11	3.55	39.27	28	279	64	97	0.22	0.1	6.246	0.060	8	2	1	53

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: Beattyville

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.17901	PL.17300	B	6 A (CWC)	7.28Y	121.4	0.07	3.62	38.19	27	271	62	97	0.15	0.1	6.290	0.043	13	3	2	52
PL.17902	PL.17901	B	6 A (CWC)	7.27Y	121.2	0.15	3.78	32.32	23	229	53	97	0.26	0.1	6.395	0.106	9	2	1	44
PL.17307	PL.17902	B	6 A (CWC)	7.27Y	121.2	0.06	3.83	31.04	22	220	50	98	0.09	0.0	6.435	0.040	0	0	0	43
PL.17899	PL.17307	B	6 A (CWC)	7.27Y	121.2	0.02	3.85	27.64	20	196	45	97	0.03	0.0	6.450	0.015	9	2	1	39
PL.17900	PL.17899	B	6 A (CWC)	7.26Y	121.1	0.08	3.93	24.09	17	171	39	97	0.10	0.1	6.522	0.072	0	0	0	37
PL.17309	PL.17900	B	#4 ACSR	7.26Y	121.1	0.00	3.93	4.25	3	30	7	97	0.00	0.0	6.527	0.004	0	0	0	5
PD.2643	PL.17309	B	15T	7.26Y	121.1	0.00	3.93	4.25	0	30	7	97	0.00	0.0	6.527	0.004	0	0	0	5
PL.17677	PD.2643	B	#4 ACSR	7.26Y	121.1	0.00	3.93	1.90	1	13	3	97	0.00	0.0	6.584	0.058	0	0	1	3
PL.17311	PL.17677	B	#2 ACSR	7.26Y	121.1	0.01	3.94	1.88	1	13	3	97	0.00	0.0	6.707	0.123	5	1	1	2
PL.17639	PL.17311	B	#1/0 ACSR	7.26Y	121.1	0.00	3.94	1.22	1	9	2	98	0.00	0.0	6.747	0.041	9	2	1	1
PL.17903	PD.2643	B	#1/0 ACSR	7.26Y	121.1	0.00	3.93	2.35	1	17	4	97	0.00	0.0	6.541	0.014	0	0	0	2
PL.17904	PL.17903	B	#1/0 ACSR	7.26Y	121.1	0.00	3.93	2.35	1	17	4	97	0.00	0.0	6.541	0.000	0	0	0	2
PL.17999	PL.17904	B	#1/0 ACSR	7.26Y	121.1	0.00	3.93	2.35	1	17	4	97	0.00	0.0	6.564	0.024	8	2	1	2
PL.18000	PL.17999	B	#1/0 ACSR	7.26Y	121.1	0.00	3.93	1.24	1	9	2	98	0.00	0.0	6.717	0.152	9	2	1	1
PL.17310	PL.17900	B	6 A (CWC)	7.26Y	121.0	0.07	4.00	19.84	14	140	32	97	0.07	0.1	6.604	0.082	12	3	1	32
PL.18152	PL.17310	B	6 A (CWC)	7.26Y	121.0	0.00	4.00	18.17	13	129	29	98	0.00	0.0	6.608	0.005	0	0	0	31
PD.2645	PL.18152	B	15T	7.26Y	121.0	0.00	4.00	18.17	0	129	29	98	0.00	0.0	6.608	0.005	0	0	0	31
PL.18153	PD.2645	B	6 A (CWC)	7.26Y	120.9	0.06	4.07	18.17	13	129	29	98	0.06	0.0	6.686	0.078	0	0	0	31
PL.17735	PL.18153	B	6 A (CWC)	7.25Y	120.8	0.09	4.16	18.17	13	129	29	98	0.09	0.1	6.801	0.114	0	0	0	31
PL.17312	PL.17735	B	#2 ACSR	7.25Y	120.8	0.00	4.16	0.00	0	0	0	100	0.00	0.0	6.829	0.029	0	0	0	0
PL.18150	PL.17735	B	6 A (CWC)	7.24Y	120.7	0.17	4.33	18.17	13	128	29	98	0.16	0.1	7.014	0.213	11	2	1	31
PL.17121	PL.18150	B	6 A (CWC)	7.24Y	120.7	0.00	4.33	6.49	5	46	10	98	0.00	0.0	7.019	0.005	0	0	0	10
PD.2679	PL.17121	B	10T	7.24Y	120.7	0.00	4.33	6.49	0	46	10	98	0.00	0.0	7.019	0.005	0	0	0	10
PL.17122	PD.2679	B	6 A (CWC)	7.24Y	120.6	0.02	4.35	6.49	5	46	10	98	0.01	0.0	7.111	0.093	9	2	1	10
PL.17313	PL.17122	B	6 A (CWC)	7.24Y	120.6	0.01	4.37	5.22	4	37	8	98	0.00	0.0	7.170	0.058	0	0	0	9
PL.17678	PL.17313	B	6 A (CWC)	7.24Y	120.6	0.01	4.38	5.22	4	37	8	98	0.00	0.0	7.232	0.062	0	0	0	9
PL.17321	PL.17678	B	6 A (CWC)	7.24Y	120.6	0.03	4.41	5.22	4	37	8	98	0.01	0.0	7.339	0.107	0	0	0	9
PL.17736	PL.17321	B	6 A (CWC)	7.23Y	120.6	0.03	4.43	5.22	4	37	8	98	0.01	0.0	7.447	0.108	0	0	0	9
PL.17964	PL.17736	B	6 A (CWC)	7.23Y	120.6	0.01	4.45	5.22	4	37	8	98	0.00	0.0	7.511	0.064	6	1	1	9
PL.17965	PL.17964	B	6 A (CWC)	7.23Y	120.5	0.01	4.46	4.42	3	31	7	98	0.00	0.0	7.578	0.067	0	0	1	8
PL.17323	PL.17965	B	6 A (CWC)	7.23Y	120.5	0.02	4.48	4.20	3	30	7	97	0.00	0.0	7.681	0.102	0	0	0	6

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

Balanced Voltage Drop Report
Source: Beattyville

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.17324	PL.17323	B	#1/0 ACSR	7.23Y	120.5	0.00	4.48	1.25	1	9	2	98	0.00	0.0	7.733	0.053	9	2	1	1
PL.17325	PL.17323	B	6 A (CWC)	7.23Y	120.5	0.01	4.49	2.95	2	21	5	97	0.00	0.0	7.776	0.096	3	1	1	5
PL.17326	PL.17325	B	6 A (CWC)	7.23Y	120.5	0.01	4.50	1.53	1	11	2	98	0.00	0.0	7.872	0.095	0	0	0	1
PL.17328	PL.17326	B	6 A (CWC)	7.23Y	120.5	0.01	4.51	1.53	1	11	2	98	0.00	0.0	8.003	0.132	0	0	0	1
PL.17738	PL.17328	B	6 A (CWC)	7.23Y	120.5	0.01	4.51	1.53	1	11	2	98	0.00	0.0	8.125	0.122	0	0	0	1
PL.17739	PL.17738	B	6 A (CWC)	7.23Y	120.5	0.00	4.52	1.53	1	11	2	98	0.00	0.0	8.244	0.119	11	2	1	1
PL.18122	PL.17325	B	6 A (CWC)	7.23Y	120.5	0.00	4.49	1.02	1	7	2	96	0.00	0.0	7.781	0.005	0	0	0	3
PD.2628	PL.18122	B	10T	7.23Y	120.5	0.00	4.49	1.02	0	7	2	96	0.00	0.0	7.781	0.005	0	0	0	3
PL.18123	PD.2628	B	6 A (CWC)	7.23Y	120.5	0.00	4.49	1.02	1	7	2	96	0.00	0.0	7.858	0.077	3	1	2	3
PL.17327	PL.18123	B	6 A (CWC)	7.23Y	120.5	0.00	4.50	0.60	0	4	1	97	0.00	0.0	7.982	0.124	0	0	0	1
PL.17737	PL.17327	B	6 A (CWC)	7.23Y	120.5	0.00	4.50	0.60	0	4	1	97	0.00	0.0	8.064	0.082	0	0	0	1
PL.17329	PL.17737	B	6 A (CWC)	7.23Y	120.5	0.00	4.50	0.60	0	4	1	97	0.00	0.0	8.166	0.102	4	1	1	1
PL.17322	PL.17965	B	#4 ACSR	7.23Y	120.5	0.00	4.46	0.22	0	2	0	100	0.00	0.0	7.617	0.038	2	0	1	1
PL.21281	PL.18150	B	6 A (CWC)	7.24Y	120.7	0.00	4.33	1.46	1	10	2	98	0.00	0.0	7.017	0.003	0	0	0	3
PD.3058	PL.21281	B	10T	7.24Y	120.7	0.00	4.33	1.46	0	10	2	98	0.00	0.0	7.017	0.003	0	0	0	3
PL.21282	PD.3058	B	6 A (CWC)	7.24Y	120.7	0.01	4.33	1.46	1	10	2	98	0.00	0.0	7.109	0.092	0	0	1	3
PL.17961	PL.21282	B	6 A (CWC)	7.24Y	120.7	0.01	4.34	1.42	1	10	2	98	0.00	0.0	7.212	0.103	0	0	0	2
PL.17314	PL.17961	B	6 A (CWC)	7.24Y	120.7	0.01	4.35	1.42	1	10	2	98	0.00	0.0	7.304	0.092	0	0	0	2
PL.17315	PL.17314	B	#4 ACSR	7.24Y	120.7	0.00	4.35	1.42	1	10	2	98	0.00	0.0	7.343	0.039	0	0	0	2
PL.17316	PL.17315	B	#4 ACSR	7.24Y	120.7	0.00	4.35	0.57	0	4	1	97	0.00	0.0	7.402	0.059	4	1	1	1
PL.17317	PL.17315	B	#4 ACSR	7.24Y	120.6	0.01	4.35	0.85	1	6	1	99	0.00	0.0	7.508	0.165	0	0	0	1
PL.17318	PL.17317	B	#4 ACSR	7.24Y	120.6	0.00	4.36	0.85	1	6	1	99	0.00	0.0	7.616	0.108	6	1	1	1
PL.17119	PL.18150	B	6 A (CWC)	7.24Y	120.7	0.00	4.33	8.68	6	61	14	97	0.00	0.0	7.019	0.005	0	0	0	17
PD.2678	PL.17119	B	10T	7.24Y	120.7	0.00	4.33	8.68	0	61	14	97	0.00	0.0	7.019	0.005	0	0	0	17
PL.17120	PD.2678	B	6 A (CWC)	7.24Y	120.6	0.04	4.37	8.68	6	61	14	97	0.02	0.0	7.116	0.098	0	0	0	17
PL.17330	PL.17120	B	#4 ACSR	7.24Y	120.6	0.03	4.40	8.68	7	61	14	97	0.02	0.0	7.207	0.091	0	0	0	17
PL.17331	PL.17330	B	#4 ACSR	7.23Y	120.5	0.06	4.46	8.68	7	61	14	97	0.03	0.0	7.376	0.169	1	0	1	17
PL.17332	PL.17331	B	#4 ACSR	7.23Y	120.5	0.02	4.48	8.49	7	60	14	97	0.01	0.0	7.417	0.041	0	0	0	16
PL.17333	PL.17332	B	#2 ACSR	7.23Y	120.5	0.04	4.52	8.49	5	60	14	97	0.02	0.0	7.571	0.154	8	2	1	15
PL.17355	PL.17333	B	#2 ACSR	7.23Y	120.5	0.00	4.52	1.25	1	9	2	98	0.00	0.0	7.606	0.035	9	2	1	1
PL.17335	PL.17333	B	#2 ACSR	7.23Y	120.5	0.02	4.54	6.16	4	43	10	97	0.01	0.0	7.668	0.098	0	0	0	13

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

Balanced Voltage Drop Report
Source: Beattyville

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.17679	PL.17335	B	#2 ACSR	7.23Y	120.5	0.00	4.54	0.99	1	7	2	96	0.00	0.0	7.748	0.080	7	2	1	1
PL.17336	PL.17335	B	#2 ACSR	7.23Y	120.4	0.02	4.55	5.17	3	36	8	98	0.00	0.0	7.776	0.108	0	0	0	12
PL.18005	PL.17336	B	#4 ACSR	7.23Y	120.4	0.00	4.56	1.01	1	7	2	96	0.00	0.0	7.809	0.033	0	0	1	2
PL.18006	PL.18005	B	#4 ACSR	7.23Y	120.4	0.00	4.56	1.00	1	7	2	96	0.00	0.0	7.835	0.026	7	2	1	1
PL.17337	PL.17336	B	#2 ACSR	7.23Y	120.4	0.01	4.57	4.17	2	29	7	97	0.00	0.0	7.889	0.112	0	0	0	10
PL.17741	PL.17337	B	#2 ACSR	7.23Y	120.4	0.01	4.58	4.17	2	29	7	97	0.00	0.0	8.002	0.113	0	0	0	10
PL.17740	PL.17741	B	#2 ACSR	7.22Y	120.4	0.01	4.60	4.17	2	29	7	97	0.00	0.0	8.109	0.107	0	0	0	10
PL.17338	PL.17740	B	#2 ACSR	7.22Y	120.4	0.02	4.62	4.17	2	29	7	97	0.00	0.0	8.265	0.156	0	0	0	10
PL.18007	PL.17338	B	#2 ACSR	7.22Y	120.4	0.00	4.62	4.17	2	29	7	97	0.00	0.0	8.304	0.038	0	0	0	10
PL.18008	PL.18007	B	#2 ACSR	7.22Y	120.4	0.02	4.64	4.17	2	29	7	97	0.00	0.0	8.467	0.163	0	0	0	10
PL.17742	PL.18008	B	#2 ACSR	7.22Y	120.3	0.01	4.66	4.17	2	29	7	97	0.00	0.0	8.570	0.104	0	0	0	10
PL.18001	PL.17742	B	#2 ACSR	7.22Y	120.3	0.00	4.66	1.63	1	11	3	96	0.00	0.0	8.609	0.038	0	0	0	3
PL.18002	PL.18001	B	#2 ACSR	7.22Y	120.3	0.00	4.66	1.63	1	11	3	96	0.00	0.0	8.641	0.032	0	0	0	3
PL.18003	PL.18002	B	#2 ACSR	7.22Y	120.3	0.00	4.66	1.63	1	11	3	96	0.00	0.0	8.752	0.111	4	1	2	3
PL.18004	PL.18003	B	#2 ACSR	7.22Y	120.3	0.00	4.67	1.05	1	7	2	96	0.00	0.0	8.872	0.121	0	0	0	1
PL.17340	PL.18004	B	#1/0 ACSR	7.22Y	120.3	0.00	4.67	1.05	0	7	2	96	0.00	0.0	8.920	0.048	7	2	1	1
PL.17339	PL.18004	B	#2 ACSR	7.22Y	120.3	0.00	4.67	0.00	0	0	0	100	0.00	0.0	8.913	0.040	0	0	0	0
PL.18199	PL.17742	B	#2 ACSR	7.22Y	120.3	0.00	4.66	2.54	1	18	4	98	0.00	0.0	8.575	0.005	0	0	0	7
PD.2692	PL.18199	B	10T	7.22Y	120.3	0.00	4.66	2.54	0	18	4	98	0.00	0.0	8.575	0.005	0	0	0	7
PL.18200	PD.2692	B	#2 ACSR	7.22Y	120.3	0.01	4.66	2.54	1	18	4	98	0.00	0.0	8.679	0.104	0	0	0	7
PL.17341	PL.18200	B	#2 ACSR	7.22Y	120.3	0.01	4.67	2.54	1	18	4	98	0.00	0.0	8.792	0.113	0	0	0	7
PL.17743	PL.17341	B	#2 ACSR	7.22Y	120.3	0.01	4.68	2.54	1	18	4	98	0.00	0.0	8.875	0.083	0	0	0	7
PL.18009	PL.17743	B	#2 ACSR	7.22Y	120.3	0.01	4.69	2.54	1	18	4	98	0.00	0.0	8.961	0.087	1	0	1	7
PL.18010	PL.18009	B	#2 ACSR	7.22Y	120.3	0.00	4.69	2.33	1	16	4	97	0.00	0.0	8.993	0.032	5	1	1	6
PL.17342	PL.18010	B	#2 ACSR	7.22Y	120.3	0.00	4.69	1.66	1	12	3	97	0.00	0.0	9.061	0.068	0	0	0	5
PL.17343	PL.17342	B	#2 ACSR	7.22Y	120.3	0.00	4.70	1.66	1	12	3	97	0.00	0.0	9.147	0.086	0	0	0	5
PL.18011	PL.17343	B	#2 ACSR	7.22Y	120.3	0.00	4.70	1.66	1	12	3	97	0.00	0.0	9.213	0.066	0	0	0	5
PL.18012	PL.18011	B	#2 ACSR	7.22Y	120.3	0.00	4.70	1.66	1	12	3	97	0.00	0.0	9.259	0.046	0	0	0	5
PL.17344	PL.18012	B	#2 ACSR	7.22Y	120.3	0.00	4.70	1.66	1	12	3	97	0.00	0.0	9.310	0.051	0	0	0	5
PL.17345	PL.17344	B	#2 ACSR	7.22Y	120.3	0.00	4.71	1.66	1	12	3	97	0.00	0.0	9.354	0.043	0	0	0	5
PL.17346	PL.17345	B	#2 ACSR	7.22Y	120.3	0.00	4.71	1.66	1	12	3	97	0.00	0.0	9.450	0.097	0	0	0	5

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Balanced Voltage Drop Report
Source: Beattyville

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.17347	PL.17346	B	#2 ACSR	7.22Y	120.3	0.00	4.71	1.66	1	12	3	97	0.00	0.0	9.493	0.043	0	0	0	5
PL.17348	PL.17347	B	#2 ACSR	7.22Y	120.3	0.00	4.72	1.66	1	12	3	97	0.00	0.0	9.543	0.049	0	0	0	5
PL.17349	PL.17348	B	#2 ACSR	7.22Y	120.3	0.00	4.72	1.66	1	12	3	97	0.00	0.0	9.590	0.048	0	0	0	5
PL.17350	PL.17349	B	6 A (CWC)	7.22Y	120.3	0.01	4.72	1.66	1	12	3	97	0.00	0.0	9.673	0.082	0	0	1	5
PL.17351	PL.17350	B	#4 ACSR	7.22Y	120.3	0.01	4.73	1.66	1	12	3	97	0.00	0.0	9.752	0.080	0	0	1	4
PL.17352	PL.17351	B	#4 ACSR	7.22Y	120.3	0.00	4.73	0.19	0	1	0	100	0.00	0.0	9.853	0.100	0	0	0	2
PL.17354	PL.17352	B	#4 ACSR	7.22Y	120.3	0.00	4.73	0.19	0	1	0	100	0.00	0.0	9.985	0.132	0	0	0	2
PL.17744	PL.17354	B	#4 ACSR	7.22Y	120.3	0.00	4.73	0.19	0	1	0	100	0.00	0.0	10.061	0.076	1	0	2	2
PL.17353	PL.17351	B	#4 ACSR	7.22Y	120.3	0.00	4.73	1.42	1	10	2	98	0.00	0.0	9.805	0.053	10	2	1	1
PL.17334	PL.17332	B	#4 ACSR	7.23Y	120.5	0.00	4.48	0.00	0	0	0	100	0.00	0.0	7.568	0.151	0	0	1	1
PL.17308	PL.17899	B	#2 ACSR	7.27Y	121.1	0.00	3.85	2.28	1	16	4	97	0.00	0.0	6.515	0.065	16	4	1	1
PL.18148	PL.17307	B	#1/0 ACSR	7.27Y	121.2	0.00	3.83	3.39	1	24	5	98	0.00	0.0	6.440	0.005	0	0	0	4
PD.2641	PL.18148	B	15T	7.27Y	121.2	0.00	3.83	3.39	0	24	5	98	0.00	0.0	6.440	0.005	0	0	0	4
PL.18149	PD.2641	B	#1/0 ACSR	7.27Y	121.2	0.01	3.84	3.39	1	24	5	98	0.00	0.0	6.525	0.085	11	2	2	4
PL.17998	PL.18149	B	#1/0 ACSR	7.27Y	121.2	0.00	3.84	1.90	1	13	3	97	0.00	0.0	6.569	0.044	13	3	2	2
PL.17301	PL.17901	B	#2 ACSR	7.28Y	121.4	0.00	3.62	0.22	0	2	0	100	0.00	0.0	6.342	0.052	2	0	1	1
PL.18146	PL.17901	B	6 A (CWC)	7.28Y	121.4	0.00	3.63	3.89	3	28	6	98	0.00	0.0	6.294	0.005	0	0	0	5
PD.2640	PL.18146	B	15T	7.28Y	121.4	0.00	3.63	3.89	0	28	6	98	0.00	0.0	6.294	0.005	0	0	0	5
PL.18147	PD.2640	B	6 A (CWC)	7.28Y	121.4	0.01	3.63	3.89	3	28	6	98	0.00	0.0	6.325	0.031	0	0	0	5
PL.17302	PL.18147	B	6 A (CWC)	7.28Y	121.4	0.00	3.64	3.89	3	28	6	98	0.00	0.0	6.364	0.039	17	4	2	5
PL.17303	PL.17302	B	#4 ACSR	7.28Y	121.4	0.00	3.64	0.00	0	0	0	100	0.00	0.0	6.388	0.024	0	0	0	1
PL.17676	PL.17303	B	#4 ACSR	7.28Y	121.4	0.00	3.64	0.00	0	0	0	100	0.00	0.0	6.508	0.120	0	0	0	1
PL.17638	PL.17676	B	#2 ACSR	7.28Y	121.4	0.00	3.64	0.00	0	0	0	100	0.00	0.0	6.557	0.049	0	0	1	1
PL.17305	PL.17302	B	#2 ACSR	7.28Y	121.4	0.00	3.64	1.43	1	10	2	98	0.00	0.0	6.408	0.044	4	1	1	2
PL.17306	PL.17305	B	#2 ACSR	7.28Y	121.4	0.00	3.64	0.92	1	7	1	99	0.00	0.0	6.455	0.047	7	1	1	1
PL.17298	PL.17297	B	#4 ACSR	7.29Y	121.6	0.00	3.45	0.92	1	7	1	99	0.00	0.0	6.231	0.045	7	1	1	1
PL.17299	PL.17297	B	6 A (CWC)	7.29Y	121.6	0.00	3.45	2.19	2	16	4	97	0.00	0.0	6.249	0.063	16	4	2	2
PL.17294	PL.17293	B	6 A (CWC)	7.31Y	121.9	0.00	3.11	0.37	0	3	1	95	0.00	0.0	6.041	0.018	3	1	1	1
PL.17295	PL.17293	B	6 A (CWC)	7.31Y	121.9	0.00	3.12	1.19	1	8	2	97	0.00	0.0	6.086	0.064	3	1	1	2
PL.17296	PL.17295	B	#1/0 ACSR	7.31Y	121.9	0.00	3.12	0.75	0	5	1	98	0.00	0.0	6.154	0.068	5	1	1	1
PL.17291	PL.18248	B	#2 ACSR	7.33Y	122.1	0.00	2.91	1.47	1	11	2	98	0.00	0.0	5.960	0.028	11	2	1	1

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Balanced Voltage Drop Report
Source: Beattyville

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.18124	PL.17673	C	6 A (CWC)	7.34Y	122.4	0.00	2.63	0.18	0	1	0	100	0.00	0.0	5.575	0.004	0	0	0	1
PD.2629	PL.18124	C	20T	7.34Y	122.4	0.00	2.63	0.18	0	1	0	100	0.00	0.0	5.575	0.004	0	0	0	1
PL.18125	PD.2629	C	6 A (CWC)	7.34Y	122.4	0.00	2.63	0.18	0	1	0	100	0.00	0.0	5.633	0.058	1	0	1	1
PL.17278	PL.17672	C	6 A (CWC)	7.34Y	122.4	0.01	2.58	2.10	1	15	3	98	0.00	0.0	5.512	0.073	2	1	1	2
PL.17279	PL.17278	C	6 A (CWC)	7.34Y	122.4	0.00	2.58	1.77	1	13	3	97	0.00	0.0	5.517	0.005	0	0	0	1
PD.2631	PL.17279	C	20T	7.34Y	122.4	0.00	2.58	1.77	0	13	3	97	0.00	0.0	5.517	0.005	0	0	0	1
PL.17897	PD.2631	C	6 A (CWC)	7.34Y	122.4	0.00	2.58	0.00	0	0	0	100	0.00	0.0	5.522	0.005	0	0	0	0
PL.17898	PL.17897	C	6 A (CWC)	7.34Y	122.4	0.00	2.58	0.00	0	0	0	100	0.00	0.0	5.522	0.000	0	0	0	0
PL.17280	PL.17898	C	6 A (CWC)	7.34Y	122.4	0.00	2.58	0.00	0	0	0	100	0.00	0.0	5.648	0.126	0	0	0	0
PL.17983	PD.2631	C	6 A (CWC)	7.34Y	122.4	0.00	2.59	1.77	1	13	3	97	0.00	0.0	5.533	0.016	0	0	0	1
PL.17984	PL.17983	C	6 A (CWC)	7.34Y	122.4	0.00	2.59	1.77	1	13	3	97	0.00	0.0	5.654	0.121	13	3	1	1
PL.18197	PL.17671	A	6 A (CWC)	7.35Y	122.5	0.00	2.54	2.66	2	19	4	98	0.00	0.0	5.347	0.005	0	0	0	5
PD.2691	PL.18197	A	20T	7.35Y	122.5	0.00	2.54	2.66	0	19	4	98	0.00	0.0	5.347	0.005	0	0	0	5
PL.18198	PD.2691	A	6 A (CWC)	7.35Y	122.4	0.01	2.55	2.66	2	19	4	98	0.00	0.0	5.441	0.094	0	0	1	5
PL.17276	PL.18198	A	#4 ACSR	7.35Y	122.4	0.02	2.57	2.66	2	19	4	98	0.00	0.0	5.595	0.154	0	0	0	4
PL.17913	PL.17276	A	#4 ACSR	7.35Y	122.4	0.00	2.58	1.93	1	14	3	98	0.00	0.0	5.637	0.042	0	0	0	2
PL.17914	PL.17913	A	#4 ACSR	7.35Y	122.4	0.00	2.58	0.50	0	4	1	97	0.00	0.0	5.702	0.065	4	1	1	1
PL.17277	PL.17913	A	#4 ACSR	7.35Y	122.4	0.00	2.58	1.43	1	10	2	98	0.00	0.0	5.731	0.093	10	2	1	1
PL.17978	PL.17276	A	#4 ACSR	7.35Y	122.4	0.00	2.57	0.73	1	5	1	98	0.00	0.0	5.682	0.087	1	0	1	2
PL.17977	PL.17978	A	#4 ACSR	7.35Y	122.4	0.00	2.57	0.55	0	4	1	97	0.00	0.0	5.739	0.057	4	1	1	1
PL.17275	PL.17670	A	#2 ACSR	7.35Y	122.5	0.00	2.48	0.53	0	4	1	97	0.00	0.0	5.257	0.066	4	1	1	1
PL.18126	PL.17892	C	#4 ACSR	7.36Y	122.6	0.00	2.40	2.50	2	18	4	98	0.00	0.0	4.992	0.005	0	0	0	3
PD.2630	PL.18126	C	20T	7.36Y	122.6	0.00	2.40	2.50	0	18	4	98	0.00	0.0	4.992	0.005	0	0	0	3
PL.18127	PD.2630	C	#4 ACSR	7.36Y	122.6	0.01	2.41	2.50	2	18	4	98	0.00	0.0	5.045	0.053	0	0	0	3
PL.17669	PL.18127	C	#4 ACSR	7.36Y	122.6	0.01	2.41	1.45	1	10	2	98	0.00	0.0	5.221	0.176	10	2	2	2
PL.17992	PL.18127	C	#4 ACSR	7.36Y	122.6	0.00	2.41	1.05	1	8	2	97	0.00	0.0	5.130	0.085	0	0	0	1
PL.17993	PL.17992	C	#4 ACSR	7.36Y	122.6	0.00	2.41	1.05	1	8	2	97	0.00	0.0	5.199	0.069	8	2	1	1
PL.18140	PL.17266	A	6 A (CWC)	7.36Y	122.7	0.00	2.31	4.78	3	34	8	97	0.00	0.0	4.763	0.005	0	0	0	8
PD.2637	PL.18140	A	20T	7.36Y	122.7	0.00	2.31	4.78	0	34	8	97	0.00	0.0	4.763	0.005	0	0	0	8
PL.18141	PD.2637	A	6 A (CWC)	7.36Y	122.7	0.03	2.34	4.78	3	34	8	97	0.01	0.0	4.907	0.144	0	0	0	8
PL.17733	PL.18141	A	6 A (CWC)	7.36Y	122.6	0.01	2.35	4.78	3	34	8	97	0.00	0.0	4.973	0.066	3	1	1	8

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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.17272	PL.17733	A	#4 ACSR	7.36Y	122.6	0.00	2.36	4.43	3	32	7	98	0.00	0.0	4.990	0.016	0	0	0	7
PL.17974	PL.17272	A	#4 ACSR	7.36Y	122.6	0.02	2.38	4.43	3	32	7	98	0.01	0.0	5.118	0.128	5	1	1	7
PL.17981	PL.17974	A	#4 ACSR	7.36Y	122.6	0.02	2.40	3.79	3	27	6	98	0.00	0.0	5.260	0.142	12	3	1	6
PL.17982	PL.17981	A	#4 ACSR	7.36Y	122.6	0.00	2.40	2.08	2	15	3	98	0.00	0.0	5.273	0.014	0	0	0	5
PL.17909	PL.17982	A	#4 ACSR	7.36Y	122.6	0.01	2.41	2.08	2	15	3	98	0.00	0.0	5.365	0.091	4	1	1	5
PL.17273	PL.17909	A	#1/0 ACSR	7.36Y	122.6	0.00	2.41	1.01	0	7	2	96	0.00	0.0	5.448	0.083	0	0	0	2
PL.17274	PL.17273	A	#1/0 ACSR	7.36Y	122.6	0.00	2.41	0.09	0	1	0	100	0.00	0.0	5.527	0.079	1	0	1	1
PL.17640	PL.17273	A	#1/0 ACSR	7.36Y	122.6	0.00	2.41	0.92	0	7	1	99	0.00	0.0	5.472	0.025	7	1	1	1
PL.17910	PL.17909	A	#4 ACSR	7.36Y	122.6	0.00	2.41	0.54	0	4	1	97	0.00	0.0	5.415	0.051	0	0	0	2
PL.17979	PL.17910	A	#4 ACSR	7.36Y	122.6	0.00	2.41	0.54	0	4	1	97	0.00	0.0	5.457	0.042	1	0	1	2
PL.17980	PL.17979	A	#4 ACSR	7.36Y	122.6	0.00	2.41	0.34	0	2	1	89	0.00	0.0	5.525	0.068	2	1	1	1
PL.17117	PL.17266	C	6 A (CWC)	7.36Y	122.7	0.00	2.31	8.36	6	60	14	97	0.00	0.0	4.763	0.005	0	0	0	5
PD.2677	PL.17117	C	20T	7.36Y	122.7	0.00	2.31	8.36	0	60	14	97	0.00	0.0	4.763	0.005	0	0	0	5
PL.17118	PD.2677	C	6 A (CWC)	7.36Y	122.6	0.04	2.35	8.36	6	60	14	97	0.02	0.0	4.877	0.115	0	0	0	5
PL.17668	PL.17118	C	6 A (CWC)	7.36Y	122.6	0.02	2.37	6.61	5	47	11	97	0.01	0.0	4.954	0.077	22	5	1	4
PL.17268	PL.17668	C	#2 ACSR	7.36Y	122.6	0.01	2.38	3.49	2	25	6	97	0.00	0.0	5.003	0.049	0	0	0	3
PL.17269	PL.17268	C	#2 ACSR	7.36Y	122.6	0.00	2.38	2.26	1	16	4	97	0.00	0.0	5.034	0.032	0	0	1	2
PL.17271	PL.17269	C	#2 ACSR	7.36Y	122.6	0.00	2.38	2.24	1	16	4	97	0.00	0.0	5.158	0.123	16	4	1	1
PL.17270	PL.17268	C	#2 ACSR	7.36Y	122.6	0.00	2.38	1.23	1	9	2	98	0.00	0.0	5.087	0.085	9	2	1	1
PL.17267	PL.17118	C	6 A (CWC)	7.36Y	122.6	0.00	2.36	1.74	1	13	3	97	0.00	0.0	4.966	0.088	13	3	1	1
PL.18130	PL.17888	A	#4 ACSR	7.36Y	122.7	0.00	2.27	1.24	1	9	2	98	0.00	0.0	4.686	0.005	0	0	0	2
PD.2633	PL.18130	A	20T	7.36Y	122.7	0.00	2.27	1.24	0	9	2	98	0.00	0.0	4.686	0.005	0	0	0	2
PL.18131	PD.2633	A	#4 ACSR	7.36Y	122.7	0.00	2.27	1.24	1	9	2	98	0.00	0.0	4.717	0.031	5	1	1	2
PL.17987	PL.18131	A	#4 ACSR	7.36Y	122.7	0.00	2.27	0.50	0	4	1	97	0.00	0.0	4.830	0.113	4	1	1	1
PL.17473	PL.18264	ABC	#3/0 ACSR	7.38Y	123.0	0.04	1.96	67.24	22	1447	354	97	0.41	0.0	4.205	0.054	4	1	1	349
PL.17474	PL.17473	ABC	#3/0 ACSR	7.38Y	123.0	0.02	1.98	67.04	22	1442	352	97	0.22	0.0	4.234	0.029	0	0	0	348
PL.17475	PL.17474	ABC	#3/0 ACSR	7.38Y	123.0	0.05	2.04	66.51	22	1431	349	97	0.48	0.0	4.299	0.065	5	1	1	345
PL.17478	PL.17475	ABC	#3/0 ACSR	7.38Y	122.9	0.05	2.08	66.30	22	1426	347	97	0.42	0.0	4.356	0.057	0	0	0	344
PL.17479	PL.17478	ABC	#3/0 ACSR	7.37Y	122.9	0.04	2.12	65.80	22	1415	344	97	0.35	0.0	4.405	0.048	0	0	0	339
PL.17680	PL.17479	ABC	#3/0 ACSR	7.37Y	122.8	0.08	2.20	62.70	21	1347	329	97	0.67	0.0	4.506	0.102	0	0	0	325
PL.17480	PL.17680	ABC	#3/0 ACSR	7.37Y	122.8	0.04	2.24	62.70	21	1347	328	97	0.33	0.0	4.556	0.050	0	0	0	325

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: Beattyville

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.17481	PL.17480	ABC	#3/0 ACSR	7.36Y	122.7	0.04	2.28	62.70	21	1346	327	97	0.38	0.0	4.614	0.058	0	0	0	325
PL.17482	PL.17481	ABC	#3/0 ACSR	7.36Y	122.7	0.03	2.31	62.70	21	1346	327	97	0.25	0.0	4.652	0.038	0	0	0	325
PL.17483	PL.17482	ABC	#3/0 ACSR	7.36Y	122.6	0.08	2.39	62.70	21	1346	326	97	0.67	0.0	4.753	0.101	0	0	0	325
PL.17484	PL.17483	ABC	#3/0 ACSR	7.35Y	122.6	0.04	2.43	62.70	21	1345	325	97	0.33	0.0	4.804	0.050	0	0	0	325
PL.17485	PL.17484	ABC	#3/0 ACSR	7.35Y	122.6	0.00	2.43	62.70	21	1345	325	97	0.04	0.0	4.809	0.006	0	0	0	325
PL.17487	PL.17485	ABC	#3/0 ACSR	7.35Y	122.6	0.00	2.43	62.70	21	1345	325	97	0.01	0.0	4.810	0.001	0	0	0	325
RG.23	PL.17487	ABC	114.3 KVA	7.45Y	124.1	-1.55	0.88	62.70	42	1345	325	97	percent Boost= 1.25		Tap= 2.0					325
PL.17707	RG.23	ABC	#3/0 ACSR	7.45Y	124.1	0.00	0.88	61.92	21	1345	325	97	0.01	0.0	4.812	0.001	0	0	0	325
PL.17488	PL.17707	ABC	#3/0 ACSR	7.45Y	124.1	0.03	0.91	61.92	21	1345	325	97	0.26	0.0	4.853	0.041	0	0	0	325
PL.17489	PL.17488	ABC	336 MCM AC	7.45Y	124.1	0.00	0.91	0.00	0	0	0	100	0.00	0.0	4.869	0.016	0	0	0	0
PL.16213	PL.17489	ABC	336 MCM AC	7.45Y	124.1	0.00	0.91	0.00	0	0	0	100	0.00	0.0	4.874	0.005	0	0	0	0
PD.2510-B	PL.16213	ABC	Open	7.45Y	124.1	0.00	0.91	0.00	0	0	0	100	0.00	0.0	4.874	0.005	0	0	0	0
PL.17490	PL.17488	ABC	#1/0 ACSR	7.44Y	124.0	0.07	0.99	61.92	27	1344	324	97	0.69	0.1	4.920	0.067	0	0	0	325
PD.2724	PL.17490	ABC	100L	7.44Y	124.0	0.00	0.99	61.92	62	1344	324	97	0.00	0.0	4.920	0.067	0	0	0	325
PL.17708	PD.2724	ABC	#1/0 ACSR	7.44Y	124.0	0.00	0.99	61.92	27	1344	324	97	0.01	0.0	4.921	0.001	0	0	0	325
PL.17491	PL.17708	C	#2 ACSR	7.44Y	124.0	0.00	0.99	0.00	0	0	0	100	0.00	0.0	4.959	0.037	0	0	0	0
PL.17896	PL.17708	ABC	#1/0 ACSR	7.44Y	123.9	0.07	1.06	61.92	27	1344	324	97	0.62	0.0	4.982	0.061	0	0	1	325
PL.17839	PL.17896	ABC	#1/0 ACSR	7.44Y	123.9	0.02	1.08	60.89	26	1321	318	97	0.20	0.0	5.003	0.021	3	1	1	317
PL.17840	PL.17839	ABC	#1/0 ACSR	7.43Y	123.9	0.04	1.12	60.78	26	1318	317	97	0.36	0.0	5.040	0.037	0	0	0	316
PL.17094	PL.17840	C	#4 ACSR	7.43Y	123.9	0.00	1.12	0.45	0	3	1	95	0.00	0.0	5.044	0.005	0	0	0	2
PD.2664	PL.17094	C	30T	7.43Y	123.9	0.00	1.12	0.45	0	3	1	95	0.00	0.0	5.044	0.005	0	0	0	2
PL.17093	PD.2664	C	#4 ACSR	7.43Y	123.9	0.00	1.12	0.45	0	3	1	95	0.00	0.0	5.122	0.077	3	1	2	2
PL.17682	PL.17840	ABC	#1/0 ACSR	7.43Y	123.8	0.09	1.21	60.62	26	1314	316	97	0.80	0.1	5.122	0.082	8	2	4	314
PL.17500	PL.17682	ABC	#1/0 ACSR	7.43Y	123.8	0.03	1.24	60.24	26	1305	313	97	0.27	0.0	5.150	0.028	0	0	0	310
PL.18184	PL.17500	B	#2 ACSR	7.43Y	123.8	0.00	1.24	0.67	0	5	1	98	0.00	0.0	5.154	0.005	0	0	0	1
PD.2661	PL.18184	B	30T	7.43Y	123.8	0.00	1.24	0.67	0	5	1	98	0.00	0.0	5.154	0.005	0	0	0	1
PL.17088	PD.2661	B	#2 ACSR	7.43Y	123.8	0.00	1.24	0.67	0	5	1	98	0.00	0.0	5.197	0.042	5	1	1	1
PL.17683	PL.17500	ABC	#1/0 ACSR	7.42Y	123.7	0.04	1.28	60.02	26	1300	312	97	0.36	0.0	5.187	0.038	0	0	0	309
PL.18267	PL.17683	ABC	#1/0 ACSR	7.42Y	123.7	0.00	1.28	60.02	26	1300	312	97	0.04	0.0	5.192	0.004	0	0	0	309
PL.18268	PL.18267	ABC	#1/0 ACSR	7.42Y	123.7	0.02	1.30	60.02	26	1300	312	97	0.20	0.0	5.213	0.021	14	3	4	309
PL.17836	PL.18268	ABC	#1/0 ACSR	7.42Y	123.6	0.08	1.38	59.36	26	1285	308	97	0.72	0.1	5.290	0.077	0	0	0	305

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: Beattyville

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.17834	PL.17836	ABC	#1/0 ACSR	7.42Y	123.6	0.03	1.41	43.65	19	944	229	97	0.20	0.0	5.329	0.039	7	1	1	222
PL.17835	PL.17834	ABC	#1/0 ACSR	7.41Y	123.5	0.06	1.48	43.35	19	937	228	97	0.41	0.0	5.412	0.083	6	1	1	221
PL.17524	PL.17835	ABC	#1/0 ACSR	7.40Y	123.4	0.12	1.60	40.60	18	877	214	97	0.75	0.1	5.584	0.172	0	0	0	211
PL.17527	PL.17524	A	#4 ACSR	7.40Y	123.4	0.00	1.60	1.46	1	11	2	98	0.00	0.0	5.589	0.005	0	0	0	3
PD.2668	PL.17527	A	30T	7.40Y	123.4	0.00	1.60	1.46	0	11	2	98	0.00	0.0	5.589	0.005	0	0	0	3
PL.17886	PD.2668	A	#4 ACSR	7.40Y	123.4	0.00	1.60	0.33	0	2	1	89	0.00	0.0	5.590	0.002	0	0	0	1
PL.17887	PL.17886	A	#4 ACSR	7.40Y	123.4	0.00	1.60	0.33	0	2	1	89	0.00	0.0	5.591	0.000	0	0	0	1
PL.17525	PL.17887	A	#4 ACSR	7.40Y	123.4	0.00	1.60	0.33	0	2	1	89	0.00	0.0	5.628	0.037	0	0	0	1
PL.17526	PL.17525	A	#4 ACSR	7.40Y	123.4	0.00	1.60	0.33	0	2	1	89	0.00	0.0	5.690	0.063	2	1	1	1
PL.17694	PD.2668	A	#4 ACSR	7.40Y	123.4	0.00	1.60	1.13	1	8	2	97	0.00	0.0	5.630	0.042	0	0	1	2
PL.17528	PL.17694	A	#1/0 ACSR	7.40Y	123.4	0.00	1.60	1.10	0	8	2	97	0.00	0.0	5.670	0.040	8	2	1	1
PL.17693	PL.17524	ABC	#1/0 ACSR	7.40Y	123.4	0.05	1.65	40.11	17	866	210	97	0.27	0.0	5.647	0.063	0	0	0	208
PL.17695	PL.17693	ABC	#1/0 ACSR	7.40Y	123.3	0.08	1.73	39.69	17	856	208	97	0.47	0.1	5.759	0.111	0	0	0	206
PL.17794	PL.17695	ABC	#1/0 ACSR	7.39Y	123.2	0.06	1.78	39.69	17	856	208	97	0.35	0.0	5.843	0.084	0	0	0	206
PL.17752	PL.17794	ABC	#1/0 ACSR	7.39Y	123.1	0.09	1.87	39.69	17	855	207	97	0.53	0.1	5.970	0.127	0	0	0	206
PL.18241	PL.17752	ABC	#1/0 ACSR	7.38Y	123.1	0.06	1.93	39.69	17	855	207	97	0.35	0.0	6.053	0.083	0	0	0	206
PD.2714-A	PL.18241	ABC	Closed	7.38Y	123.1	0.00	1.93	39.69	0	855	206	97	0.00	0.0	6.053	0.083	0	0	0	206
PD.2714-B	PD.2714-A	ABC	Closed	7.38Y	123.1	0.00	1.93	39.69	0	855	206	97	0.00	0.0	6.053	0.083	0	0	0	206
PL.18242	PD.2714-B	ABC	#1/0 ACSR	7.38Y	123.0	0.10	2.03	39.69	17	855	206	97	0.59	0.1	6.194	0.141	0	0	0	206
PL.17753	PL.18242	ABC	#1/0 ACSR	7.37Y	122.8	0.13	2.16	39.69	17	854	206	97	0.78	0.1	6.381	0.187	0	0	0	206
PL.17754	PL.17753	ABC	#1/0 ACSR	7.37Y	122.8	0.07	2.23	39.69	17	853	205	97	0.42	0.0	6.482	0.101	0	0	0	206
PL.17529	PL.17754	ABC	#1/0 ACSR	7.36Y	122.7	0.10	2.34	39.33	17	845	202	97	0.62	0.1	6.633	0.151	0	0	0	204
PL.17532	PL.17529	ABC	#1/0 ACSR	7.36Y	122.6	0.05	2.38	39.33	17	845	201	97	0.28	0.0	6.700	0.067	0	0	0	204
PL.17533	PL.17532	ABC	#1/0 ACSR	7.35Y	122.5	0.13	2.52	39.33	17	845	201	97	0.78	0.1	6.889	0.188	0	0	0	204
PL.17542	PL.17533	ABC	#1/0 ACSR	7.35Y	122.4	0.05	2.57	18.04	8	387	90	97	0.15	0.0	7.056	0.167	0	0	0	104
PL.18063	PL.17542	ABC	#1/0 ACSR	7.34Y	122.4	0.02	2.59	18.04	8	387	90	97	0.07	0.0	7.133	0.077	2	0	3	104
PL.18064	PL.18063	ABC	#1/0 ACSR	7.34Y	122.4	0.02	2.61	17.96	8	385	90	97	0.04	0.0	7.185	0.052	4	1	2	101
PL.17582	PL.18064	ABC	#1/0 ACSR	7.34Y	122.4	0.01	2.62	17.78	8	382	89	97	0.03	0.0	7.222	0.037	5	1	1	99
PL.18049	PL.17582	ABC	#1/0 ACSR	7.34Y	122.4	0.01	2.63	15.51	7	333	78	97	0.02	0.0	7.249	0.027	4	1	1	82
PL.18050	PL.18049	ABC	#1/0 ACSR	7.34Y	122.3	0.02	2.65	15.34	7	329	77	97	0.05	0.0	7.330	0.082	4	1	2	81
PL.18048	PL.18050	ABC	#1/0 ACSR	7.34Y	122.3	0.01	2.66	15.15	7	325	76	97	0.03	0.0	7.377	0.047	0	0	0	79

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Balanced Voltage Drop Report
Source: Beattyville

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.18164	PL.18048	C	#1/0 ACSR	7.34Y	122.3	0.00	2.66	0.59	0	4	1	97	0.00	0.0	7.402	0.024	0	0	0	2
PD.2651	PL.18164	C	30T	7.34Y	122.3	0.00	2.66	0.59	0	4	1	97	0.00	0.0	7.402	0.024	0	0	0	2
PL.18165	PD.2651	C	#1/0 ACSR	7.34Y	122.3	0.00	2.66	0.59	0	4	1	97	0.00	0.0	7.415	0.013	4	1	2	2
PL.17583	PL.18048	ABC	#1/0 ACSR	7.34Y	122.3	0.02	2.68	14.95	7	321	75	97	0.04	0.0	7.439	0.062	0	0	0	77
PL.17585	PL.17583	ABC	#1/0 ACSR	7.34Y	122.3	0.00	2.68	0.00	0	0	0	100	0.00	0.0	7.501	0.062	0	0	0	0
PL.18250	PL.17583	C	#1/0 ACSR	7.34Y	122.3	0.00	2.68	44.86	20	321	75	97	0.01	0.0	7.442	0.003	0	0	0	77
PD.2718	PL.18250	C	70L	7.34Y	122.3	0.00	2.68	44.86	64	321	75	97	0.00	0.0	7.442	0.003	0	0	0	77
PL.18249	PD.2718	C	#1/0 ACSR	7.34Y	122.3	0.02	2.70	44.86	20	321	75	97	0.05	0.0	7.463	0.021	3	1	2	77
PL.18051	PL.18249	C	#1/0 ACSR	7.34Y	122.3	0.03	2.74	44.44	19	318	74	97	0.07	0.0	7.498	0.035	6	1	1	75
PL.18052	PL.18051	C	#1/0 ACSR	7.33Y	122.2	0.03	2.77	43.54	19	311	73	97	0.07	0.0	7.530	0.033	0	0	1	74
PL.17871	PL.18052	C	#1/0 ACSR	7.33Y	122.2	0.00	2.77	6.24	3	45	10	98	0.00	0.0	7.555	0.025	5	1	3	15
PL.18053	PL.17871	C	#1/0 ACSR	7.33Y	122.2	0.00	2.78	5.54	2	40	9	98	0.00	0.0	7.587	0.031	4	1	1	12
PL.18054	PL.18053	C	#1/0 ACSR	7.33Y	122.2	0.00	2.78	4.92	2	35	8	97	0.00	0.0	7.616	0.029	0	0	0	11
PL.17590	PL.18054	C	6 A (CWC)	7.33Y	122.2	0.00	2.78	0.66	0	5	1	98	0.00	0.0	7.791	0.175	5	1	1	1
PL.18055	PL.18054	C	6 A (CWC)	7.33Y	122.2	0.00	2.78	2.95	2	21	5	97	0.00	0.0	7.652	0.036	6	1	1	7
PL.18056	PL.18055	C	6 A (CWC)	7.33Y	122.2	0.00	2.79	2.12	2	15	3	98	0.00	0.0	7.678	0.027	3	1	2	6
PL.17592	PL.18056	C	#4 ACSR	7.33Y	122.2	0.01	2.80	1.73	1	12	3	97	0.00	0.0	7.850	0.172	2	1	1	4
PL.17613	PL.17592	C	#2 ACSR	7.33Y	122.2	0.00	2.80	1.39	1	10	2	98	0.00	0.0	7.988	0.138	5	1	1	3
PL.17612	PL.17613	C	#2 ACSR	7.33Y	122.2	0.00	2.80	0.75	0	5	1	98	0.00	0.0	8.023	0.036	0	0	0	2
PL.18062	PL.17612	C	#2 ACSR	7.33Y	122.2	0.00	2.80	0.75	0	5	1	98	0.00	0.0	8.072	0.048	0	0	1	2
PL.18061	PL.18062	C	#2 ACSR	7.33Y	122.2	0.00	2.81	0.75	0	5	1	98	0.00	0.0	8.122	0.051	0	0	0	1
PL.17611	PL.18061	C	#2 ACSR	7.33Y	122.2	0.00	2.81	0.75	0	5	1	98	0.00	0.0	8.244	0.122	5	1	1	1
PL.17589	PL.18054	C	6 A (CWC)	7.33Y	122.2	0.00	2.78	1.31	1	9	2	98	0.00	0.0	7.701	0.085	9	2	3	3
PL.17586	PL.18052	C	#1/0 ACSR	7.33Y	122.2	0.05	2.82	37.29	16	266	62	97	0.09	0.0	7.596	0.066	26	6	6	58
PL.17587	PL.17586	C	#1/0 ACSR	7.33Y	122.1	0.03	2.86	33.40	15	238	56	97	0.06	0.0	7.642	0.046	0	0	1	51
PL.17868	PL.17587	C	6 A (CWC)	7.33Y	122.1	0.03	2.89	33.38	24	238	56	97	0.06	0.0	7.664	0.021	2	1	1	50
PL.17869	PL.17868	C	6 A (CWC)	7.32Y	122.0	0.10	2.99	32.76	23	234	55	97	0.18	0.1	7.732	0.068	0	0	0	48
PL.17605	PL.17869	C	#4 ACSR	7.32Y	122.0	0.06	3.05	32.76	25	234	55	97	0.10	0.0	7.771	0.039	0	0	0	48
PL.17606	PL.17605	C	#4 ACSR	7.31Y	121.8	0.13	3.17	32.76	25	233	54	97	0.22	0.1	7.859	0.087	0	0	0	48
PL.17756	PL.17606	C	#4 ACSR	7.30Y	121.6	0.19	3.36	32.76	25	233	54	97	0.34	0.1	7.989	0.130	0	0	0	48
PL.17607	PL.17756	C	#4 ACSR	7.29Y	121.5	0.18	3.54	32.76	25	233	54	97	0.33	0.1	8.116	0.127	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: Beattyville

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.17757	PL.17607	C	#4 ACSR	7.27Y	121.2	0.22	3.77	32.76	25	233	54	97	0.40	0.2	8.270	0.154	0	0	0	48
PL.17758	PL.17757	C	#4 ACSR	7.27Y	121.1	0.09	3.86	32.76	25	232	54	97	0.17	0.1	8.335	0.065	0	0	0	48
PL.17609	PL.17758	C	#4 ACSR	7.27Y	121.1	0.00	3.86	0.00	0	0	0	100	0.00	0.0	8.383	0.048	0	0	0	0
PL.17610	PL.17609	C	#4 ACSR	7.27Y	121.1	0.00	3.86	0.00	0	0	0	100	0.00	0.0	8.436	0.053	0	0	0	0
PL.17608	PL.17758	C	#4 ACSR	7.26Y	120.9	0.21	4.07	32.76	25	232	54	97	0.38	0.2	8.481	0.147	0	0	0	48
PL.17616	PL.17608	C	#2 ACSR	7.26Y	120.9	0.00	4.07	1.48	1	10	2	98	0.00	0.0	8.604	0.123	10	2	1	1
PL.17615	PL.17608	C	#4 ACSR	7.25Y	120.8	0.14	4.21	31.28	24	221	51	97	0.24	0.1	8.582	0.101	0	0	0	47
PL.17614	PL.17615	C	#4 ACSR	7.25Y	120.8	0.00	4.21	0.81	1	6	1	99	0.00	0.0	8.689	0.107	6	1	1	1
PL.17697	PL.17615	C	#4 ACSR	7.24Y	120.7	0.12	4.33	30.46	23	215	50	97	0.20	0.1	8.675	0.093	8	2	2	46
PL.17617	PL.17697	C	#4 ACSR	7.23Y	120.5	0.14	4.48	29.36	23	207	48	97	0.23	0.1	8.787	0.112	0	0	0	44
PL.18046	PL.17617	C	#4 ACSR	7.23Y	120.5	0.07	4.55	29.36	23	207	48	97	0.11	0.1	8.842	0.055	2	1	2	44
PL.18047	PL.18046	C	#4 ACSR	7.22Y	120.4	0.05	4.60	29.01	22	204	47	97	0.07	0.0	8.878	0.037	0	0	0	42
PL.18045	PL.18047	C	#4 ACSR	7.22Y	120.3	0.13	4.72	29.01	22	204	47	97	0.20	0.1	8.979	0.101	9	2	3	42
PL.17618	PL.18045	C	#4 ACSR	7.22Y	120.3	0.01	4.73	3.40	3	24	5	98	0.00	0.0	9.055	0.076	0	0	0	2
PL.18043	PL.17618	C	#4 ACSR	7.21Y	120.2	0.02	4.75	3.40	3	24	5	98	0.00	0.0	9.236	0.181	9	2	1	2
PL.18044	PL.18043	C	#4 ACSR	7.21Y	120.2	0.00	4.76	2.14	2	15	3	98	0.00	0.0	9.277	0.040	15	3	1	1
PL.18041	PL.18045	C	#4 ACSR	7.21Y	120.2	0.05	4.78	24.32	19	171	39	97	0.07	0.0	9.031	0.051	4	1	1	37
PL.18042	PL.18041	C	#4 ACSR	7.21Y	120.2	0.05	4.83	23.78	18	167	38	98	0.06	0.0	9.080	0.049	10	2	3	36
PL.17619	PL.18042	C	#4 ACSR	7.20Y	120.1	0.10	4.92	22.35	17	157	36	97	0.12	0.1	9.184	0.104	11	3	3	33
PL.17620	PL.17619	C	#4 ACSR	7.20Y	120.0	0.03	4.95	20.74	16	146	33	98	0.03	0.0	9.212	0.028	0	0	0	30
PL.17621	PL.17620	C	#4 ACSR	7.20Y	120.0	0.03	4.98	20.74	16	146	33	98	0.03	0.0	9.241	0.029	0	0	0	30
PL.17622	PL.17621	C	#4 ACSR	7.20Y	120.0	0.00	4.98	2.00	2	14	3	98	0.00	0.0	9.308	0.066	14	3	3	3
PL.17623	PL.17621	C	#2 ACSR	7.20Y	120.0	0.06	5.03	18.74	11	132	30	98	0.05	0.0	9.341	0.100	5	1	1	27
PL.18039	PL.17623	C	#4 ACSR	7.20Y	120.0	0.00	5.04	0.85	1	6	1	99	0.00	0.0	9.382	0.040	0	0	0	1
PL.18040	PL.18039	C	#4 ACSR	7.20Y	120.0	0.00	5.04	0.85	1	6	1	99	0.00	0.0	9.405	0.024	6	1	1	1
PL.17624	PL.17623	C	#4 ACSR	7.20Y	119.9	0.04	5.08	17.19	13	121	28	97	0.04	0.0	9.399	0.058	0	0	0	25
PL.18037	PL.17624	C	#4 ACSR	7.19Y	119.9	0.06	5.13	17.19	13	121	28	97	0.05	0.0	9.478	0.079	10	2	1	25
PL.18038	PL.18037	C	#4 ACSR	7.19Y	119.8	0.04	5.18	15.79	12	111	25	98	0.04	0.0	9.541	0.063	6	1	1	24
PL.18035	PL.18038	C	#4 ACSR	7.19Y	119.8	0.04	5.21	15.00	12	105	24	97	0.03	0.0	9.599	0.058	7	2	1	23
PL.18036	PL.18035	C	#4 ACSR	7.18Y	119.7	0.06	5.27	13.99	11	98	22	98	0.05	0.0	9.696	0.097	0	0	0	22
PL.17698	PL.18036	C	#4 ACSR	7.18Y	119.6	0.09	5.36	13.58	10	95	22	97	0.07	0.1	9.846	0.150	0	0	0	21

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Balanced Voltage Drop Report
Source: Beattyville

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.17799	PL.17698	C	#4 ACSR	7.17Y	119.6	0.07	5.43	13.58	10	95	22	97	0.05	0.1	9.960	0.114	5	1	1	21
PL.17800	PL.17799	C	#4 ACSR	7.17Y	119.5	0.04	5.47	12.07	9	84	19	98	0.03	0.0	10.042	0.082	2	1	1	19
PL.17798	PL.17800	C	#4 ACSR	7.17Y	119.5	0.01	5.48	11.74	9	82	19	97	0.01	0.0	10.064	0.021	0	0	1	18
PL.17628	PL.17798	C	#4 ACSR	7.17Y	119.5	0.00	5.48	0.00	0	0	0	100	0.00	0.0	10.126	0.062	0	0	1	1
PL.18033	PL.17798	C	#4 ACSR	7.17Y	119.5	0.02	5.51	11.74	9	82	19	97	0.02	0.0	10.112	0.049	4	1	1	16
PL.18034	PL.18033	C	#4 ACSR	7.17Y	119.4	0.04	5.55	11.24	9	79	18	98	0.03	0.0	10.204	0.092	4	1	1	15
PL.17629	PL.18034	C	#4 ACSR	7.17Y	119.4	0.03	5.58	10.68	8	75	17	98	0.02	0.0	10.266	0.061	0	0	0	14
PL.17793	PL.17629	C	#4 ACSR	7.16Y	119.3	0.07	5.65	10.68	8	75	17	98	0.04	0.1	10.414	0.148	0	0	0	14
PL.17759	PL.17793	C	#4 ACSR	7.16Y	119.3	0.06	5.71	10.68	8	75	17	98	0.03	0.0	10.535	0.121	0	0	0	14
PL.18031	PL.17759	C	#4 ACSR	7.16Y	119.3	0.04	5.75	9.95	8	69	16	97	0.02	0.0	10.637	0.102	21	5	1	12
PL.18032	PL.18031	C	#4 ACSR	7.15Y	119.2	0.02	5.77	6.96	5	49	11	98	0.01	0.0	10.703	0.066	6	1	1	11
PL.18030	PL.18032	C	#4 ACSR	7.15Y	119.2	0.03	5.79	6.06	5	42	10	97	0.01	0.0	10.815	0.112	8	2	3	10
PL.17631	PL.18030	C	#4 ACSR	7.15Y	119.2	0.02	5.81	4.92	4	34	8	97	0.01	0.0	10.917	0.102	0	0	0	7
PL.17634	PL.17631	C	#4 ACSR	7.15Y	119.2	0.00	5.82	2.97	2	21	5	97	0.00	0.0	10.940	0.023	6	1	1	5
PL.17828	PL.17634	C	#4 ACSR	7.15Y	119.2	0.01	5.82	2.17	2	15	3	98	0.00	0.0	11.003	0.063	4	1	1	4
PL.17829	PL.17828	C	#4 ACSR	7.15Y	119.2	0.01	5.83	1.57	1	11	2	98	0.00	0.0	11.105	0.102	0	0	0	3
PL.17632	PL.17829	C	#4 ACSR	7.15Y	119.2	0.00	5.83	0.17	0	1	0	100	0.00	0.0	11.188	0.083	1	0	1	1
PL.17699	PL.17829	C	#4 ACSR	7.15Y	119.2	0.01	5.84	1.40	1	10	2	98	0.00	0.0	11.254	0.149	0	0	0	2
PL.17760	PL.17699	C	#4 ACSR	7.15Y	119.2	0.00	5.84	1.40	1	10	2	98	0.00	0.0	11.309	0.055	0	0	0	2
PL.17633	PL.17760	C	#4 ACSR	7.15Y	119.2	0.00	5.84	1.40	1	10	2	98	0.00	0.0	11.336	0.027	10	2	2	2
PL.33067	PL.17631	C	#2 ACSR	7.15Y	119.2	0.00	5.82	1.95	1	14	3	98	0.00	0.0	10.951	0.034	0	0	0	2
PD.4891	PL.33067	C	6T	7.15Y	119.2	0.00	5.82	1.95	0	14	3	98	0.00	0.0	10.951	0.034	0	0	0	2
PL.33068	PD.4891	C	#2 ACSR	7.15Y	119.2	0.00	5.82	1.95	1	14	3	98	0.00	0.0	10.952	0.002	14	3	2	2
PL.17630	PL.17759	C	#4 ACSR	7.16Y	119.3	0.00	5.71	0.74	1	5	1	98	0.00	0.0	10.569	0.034	5	1	2	2
PL.17626	PL.17799	C	#4 ACSR	7.17Y	119.6	0.00	5.43	0.82	1	6	1	99	0.00	0.0	10.012	0.052	6	1	1	1
PL.17627	PL.17626	C	#2 ACSR	7.17Y	119.6	0.00	5.43	0.00	0	0	0	100	0.00	0.0	10.058	0.046	0	0	0	0
PL.17625	PL.18036	C	#4 ACSR	7.18Y	119.7	0.00	5.27	0.41	0	3	1	95	0.00	0.0	9.812	0.116	3	1	1	1
PL.17588	PL.17868	C	#2 ACSR	7.33Y	122.1	0.00	2.89	0.30	0	2	0	100	0.00	0.0	7.714	0.051	2	0	1	1
PL.17591	PL.17586	C	#1/0 ACSR	7.33Y	122.2	0.00	2.82	0.30	0	2	0	100	0.00	0.0	7.637	0.040	2	0	1	1
PL.18162	PL.17582	A	#1/0 ACSR	7.34Y	122.4	0.00	2.62	6.10	3	44	10	98	0.00	0.0	7.227	0.005	0	0	0	16
PD.2650	PL.18162	A	30T	7.34Y	122.4	0.00	2.62	6.10	0	44	10	98	0.00	0.0	7.227	0.005	0	0	0	16

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Balanced Voltage Drop Report
Source: Beattyville

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.18163	PD.2650	A	#1/0 ACSR	7.34Y	122.4	0.00	2.63	6.10	3	44	10	98	0.00	0.0	7.258	0.031	0	0	0	16
PL.17593	PL.18163	A	#6 HdCu -	7.34Y	122.4	0.00	2.63	2.58	2	18	4	98	0.00	0.0	7.289	0.031	3	1	2	4
PL.17594	PL.17593	A	#1/0 ACSR	7.34Y	122.4	0.00	2.63	1.49	1	11	2	98	0.00	0.0	7.341	0.052	0	0	0	1
PL.17584	PL.17594	A	#1/0 ACSR	7.34Y	122.4	0.00	2.63	1.49	1	11	2	98	0.00	0.0	7.422	0.081	11	2	1	1
PL.17595	PL.17593	A	#4 ACSR	7.34Y	122.4	0.00	2.63	0.61	0	4	1	97	0.00	0.0	7.350	0.061	0	0	0	1
PL.17596	PL.17595	A	#4 ACSR	7.34Y	122.4	0.00	2.63	0.61	0	4	1	97	0.00	0.0	7.396	0.047	4	1	1	1
PL.17696	PL.18163	A	#1/0 ACSR	7.34Y	122.4	0.00	2.63	3.52	2	25	6	97	0.00	0.0	7.289	0.031	7	2	3	12
PL.18059	PL.17696	A	#1/0 ACSR	7.34Y	122.4	0.00	2.63	2.50	1	18	4	98	0.00	0.0	7.340	0.051	0	0	1	9
PL.18060	PL.18059	A	#1/0 ACSR	7.34Y	122.4	0.00	2.63	2.48	1	18	4	98	0.00	0.0	7.363	0.024	0	0	0	8
PL.18057	PL.18060	A	#1/0 ACSR	7.34Y	122.4	0.00	2.63	2.48	1	18	4	98	0.00	0.0	7.400	0.036	0	0	1	8
PL.18058	PL.18057	A	#1/0 ACSR	7.34Y	122.4	0.00	2.64	2.43	1	17	4	97	0.00	0.0	7.459	0.060	0	0	0	7
PL.18091	PL.18058	A	6 A (CWC)	7.34Y	122.4	0.00	2.64	0.29	0	2	0	100	0.00	0.0	7.514	0.054	2	0	2	2
PL.18090	PL.18091	A	6 A (CWC)	7.34Y	122.4	0.00	2.64	0.00	0	0	0	100	0.00	0.0	7.554	0.041	0	0	0	0
PL.17597	PL.18090	A	6 A (CWC)	7.34Y	122.4	0.00	2.64	0.00	0	0	0	100	0.00	0.0	7.606	0.051	0	0	0	0
PL.17598	PL.18058	A	6 A (CWC)	7.34Y	122.4	0.00	2.64	1.59	1	11	3	96	0.00	0.0	7.475	0.016	8	2	1	4
PL.17600	PL.17598	A	6 A (CWC)	7.34Y	122.4	0.00	2.64	0.44	0	3	1	95	0.00	0.0	7.521	0.046	0	0	0	3
PL.17603	PL.17600	A	6 A (CWC)	7.34Y	122.4	0.00	2.64	0.44	0	3	1	95	0.00	0.0	7.547	0.026	0	0	0	3
PL.17604	PL.17603	A	6 A (CWC)	7.34Y	122.4	0.00	2.64	0.13	0	1	0	100	0.00	0.0	7.616	0.068	1	0	1	1
PL.17602	PL.17603	A	6 A (CWC)	7.34Y	122.4	0.00	2.64	0.30	0	2	0	100	0.00	0.0	7.597	0.049	2	0	1	2
PL.17601	PL.17602	A	6 A (CWC)	7.34Y	122.4	0.00	2.64	0.06	0	0	0	100	0.00	0.0	7.683	0.086	0	0	1	1
PL.17599	PL.18058	A	#1/0 ACSR	7.34Y	122.4	0.00	2.64	0.55	0	4	1	97	0.00	0.0	7.508	0.049	4	1	1	1
PL.17543	PL.17533	ABC	#1/0 ACSR	7.35Y	122.4	0.06	2.57	21.29	9	456	110	97	0.18	0.0	7.039	0.150	0	0	0	100
PL.18065	PL.17543	ABC	#1/0 ACSR	7.34Y	122.4	0.02	2.59	21.29	9	456	110	97	0.07	0.0	7.093	0.054	0	0	0	100
PL.18261	PL.18065	ABC	#1/0 ACSR	7.34Y	122.4	0.02	2.61	21.29	9	456	110	97	0.07	0.0	7.149	0.056	0	0	0	100
PD.2725	PL.18261	ABC	35L	7.34Y	122.4	0.00	2.61	21.29	61	456	110	97	0.00	0.0	7.149	0.056	0	0	0	100
PL.18262	PD.2725	ABC	#1/0 ACSR	7.34Y	122.3	0.04	2.66	21.29	9	456	110	97	0.13	0.0	7.258	0.110	0	0	0	100
PL.17700	PL.18262	ABC	#1/0 ACSR	7.34Y	122.3	0.02	2.67	20.71	9	443	107	97	0.05	0.0	7.301	0.043	7	2	1	99
PL.27889	PL.17700	ABC	#1/0 ACSR	7.34Y	122.3	0.02	2.69	20.39	9	436	105	97	0.07	0.0	7.362	0.061	3	1	1	98
PL.27890	PL.27889	ABC	#1/0 ACSR	7.34Y	122.3	0.02	2.71	20.24	9	433	104	97	0.06	0.0	7.418	0.056	0	0	0	97
PL.17701	PL.27890	ABC	#1/0 ACSR	7.34Y	122.3	0.04	2.75	20.22	9	433	104	97	0.11	0.0	7.521	0.103	0	0	0	96
PL.17761	PL.17701	ABC	#1/0 ACSR	7.33Y	122.2	0.04	2.79	20.22	9	432	104	97	0.13	0.0	7.639	0.118	0	0	0	96

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Balanced Voltage Drop Report
Source: Beattyville

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.17762	PL.17761	ABC	#1/0 ACSR	7.33Y	122.2	0.06	2.85	20.22	9	432	104	97	0.17	0.0	7.798	0.159	0	0	0	96
PL.17763	PL.17762	ABC	#1/0 ACSR	7.33Y	122.1	0.06	2.90	20.22	9	432	104	97	0.17	0.0	7.952	0.154	0	0	0	96
PL.17936	PL.17763	ABC	#1/0 ACSR	7.32Y	122.1	0.04	2.94	20.22	9	432	104	97	0.11	0.0	8.056	0.104	0	0	0	96
PL.17935	PL.17936	ABC	#1/0 ACSR	7.32Y	122.0	0.01	2.95	20.22	9	432	104	97	0.04	0.0	8.094	0.038	5	1	2	96
PL.16611	PL.17935	C	#1/0 ACSR	7.32Y	122.0	0.01	2.96	14.26	6	102	24	97	0.00	0.0	8.114	0.021	0	0	0	34
PL.18253	PL.16611	C	#1/0 ACSR	7.32Y	122.0	0.00	2.96	14.26	6	102	24	97	0.00	0.0	8.117	0.003	0	0	0	34
PD.2720	PL.18253	C	25L	7.32Y	122.0	0.00	2.96	14.26	57	102	24	97	0.00	0.0	8.117	0.003	0	0	0	34
PL.18254	PD.2720	C	#1/0 ACSR	7.32Y	122.0	0.05	3.01	14.26	6	102	24	97	0.03	0.0	8.264	0.146	0	0	0	34
PL.17764	PL.18254	C	#1/0 ACSR	7.32Y	121.9	0.05	3.06	14.26	6	102	23	98	0.04	0.0	8.423	0.159	0	0	0	34
PL.17933	PL.17764	C	#1/0 ACSR	7.31Y	121.9	0.04	3.10	14.26	6	102	23	98	0.02	0.0	8.540	0.117	5	1	2	34
PL.17934	PL.17933	C	#1/0 ACSR	7.31Y	121.9	0.03	3.13	13.50	6	96	22	97	0.02	0.0	8.636	0.096	0	0	0	32
PL.17766	PL.17934	C	#1/0 ACSR	7.31Y	121.9	0.02	3.15	13.50	6	96	22	97	0.01	0.0	8.706	0.070	0	0	0	32
PL.17765	PL.17766	C	#1/0 ACSR	7.31Y	121.8	0.04	3.19	13.50	6	96	22	97	0.03	0.0	8.837	0.131	0	0	0	32
PL.17907	PL.17765	C	#1/0 ACSR	7.31Y	121.8	0.03	3.22	13.50	6	96	22	97	0.02	0.0	8.944	0.107	0	0	0	32
PL.17908	PL.17907	C	#1/0 ACSR	7.31Y	121.8	0.03	3.25	12.75	6	91	21	97	0.02	0.0	9.048	0.104	0	0	0	30
PL.17548	PL.17908	C	#1/0 ACSR	7.30Y	121.7	0.03	3.28	11.93	5	85	20	97	0.02	0.0	9.155	0.107	0	0	0	28
PL.18119	PL.17548	C	#1/0 ACSR	7.30Y	121.7	0.00	3.28	1.25	1	9	2	98	0.00	0.0	9.160	0.005	0	0	0	2
PD.2624	PL.18119	C	10T	7.30Y	121.7	0.00	3.28	1.25	0	9	2	98	0.00	0.0	9.160	0.005	0	0	0	2
PL.18118	PD.2624	C	#1/0 ACSR	7.30Y	121.7	0.00	3.28	1.25	1	9	2	98	0.00	0.0	9.189	0.029	9	2	2	2
PL.17924	PL.17548	C	#1/0 ACSR	7.30Y	121.7	0.02	3.30	10.69	5	76	17	98	0.01	0.0	9.251	0.096	5	1	2	26
PL.17925	PL.17924	C	#1/0 ACSR	7.30Y	121.7	0.02	3.32	10.04	4	71	16	98	0.01	0.0	9.344	0.093	0	0	0	24
PL.17767	PL.17925	C	#1/0 ACSR	7.30Y	121.7	0.02	3.34	10.04	4	71	16	98	0.01	0.0	9.447	0.103	0	0	0	24
PL.17926	PL.17767	C	#1/0 ACSR	7.30Y	121.6	0.02	3.36	9.93	4	71	16	98	0.01	0.0	9.518	0.071	6	1	1	23
PL.17927	PL.17926	C	#1/0 ACSR	7.30Y	121.6	0.02	3.38	9.12	4	65	15	97	0.01	0.0	9.616	0.097	0	0	0	22
PL.17768	PL.17927	C	#1/0 ACSR	7.30Y	121.6	0.03	3.41	9.12	4	65	15	97	0.01	0.0	9.744	0.128	0	0	0	22
PL.17769	PL.17768	C	#1/0 ACSR	7.29Y	121.6	0.02	3.43	9.12	4	65	15	97	0.01	0.0	9.854	0.110	0	0	0	22
PL.17770	PL.17769	C	#1/0 ACSR	7.29Y	121.5	0.03	3.46	9.12	4	65	15	97	0.01	0.0	10.019	0.165	0	0	0	22
PL.17550	PL.17770	C	#1/0 ACSR	7.29Y	121.5	0.03	3.50	9.12	4	65	15	97	0.02	0.0	10.185	0.166	0	0	0	22
PL.17771	PL.17550	C	#1/0 ACSR	7.29Y	121.5	0.03	3.52	9.12	4	65	15	97	0.01	0.0	10.326	0.141	0	0	0	22
PL.17922	PL.17771	C	#1/0 ACSR	7.29Y	121.5	0.02	3.55	9.12	4	65	15	97	0.01	0.0	10.438	0.112	7	2	1	22
PL.17923	PL.17922	C	#1/0 ACSR	7.29Y	121.4	0.02	3.57	8.12	4	58	13	98	0.01	0.0	10.569	0.131	9	2	1	21

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

Balanced Voltage Drop Report
Source: Beattyville

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.17921	PL.17923	C	#1/0 ACSR	7.29Y	121.4	0.01	3.58	6.79	3	48	11	97	0.00	0.0	10.653	0.084	4	1	1	20
PL.17099	PL.17921	C	#4 ACSR	7.29Y	121.4	0.00	3.58	0.87	1	6	1	99	0.00	0.0	10.657	0.005	0	0	0	3
PD.2669	PL.17099	C	10T	7.29Y	121.4	0.00	3.58	0.87	0	6	1	99	0.00	0.0	10.657	0.005	0	0	0	3
PL.17100	PD.2669	C	#4 ACSR	7.28Y	121.4	0.00	3.59	0.87	1	6	1	99	0.00	0.0	10.788	0.130	0	0	0	3
PL.17852	PL.17100	C	#4 ACSR	7.28Y	121.4	0.00	3.59	0.87	1	6	1	99	0.00	0.0	10.858	0.070	0	0	0	3
PL.18073	PL.17852	C	#4 ACSR	7.28Y	121.4	0.01	3.60	0.87	1	6	1	99	0.00	0.0	11.045	0.188	0	0	0	3
PL.17772	PL.18073	C	#4 ACSR	7.28Y	121.4	0.00	3.60	0.87	1	6	1	99	0.00	0.0	11.104	0.059	6	1	3	3
PL.17551	PL.17921	C	#1/0 ACSR	7.28Y	121.4	0.02	3.60	5.41	2	38	9	97	0.00	0.0	10.810	0.157	0	0	0	16
PL.17773	PL.17551	C	#1/0 ACSR	7.28Y	121.4	0.02	3.62	5.41	2	38	9	97	0.01	0.0	10.976	0.166	0	0	0	16
PL.17774	PL.17773	C	#1/0 ACSR	7.28Y	121.4	0.01	3.63	5.41	2	38	9	97	0.00	0.0	11.099	0.123	0	0	0	16
PL.17553	PL.17774	C	#2 ACSR	7.28Y	121.4	0.00	3.63	0.05	0	0	0	100	0.00	0.0	11.113	0.014	0	0	1	1
PL.17101	PL.17774	C	#4 ACSR	7.28Y	121.4	0.00	3.63	0.54	0	4	1	97	0.00	0.0	11.104	0.004	0	0	0	1
PD.2670	PL.17101	C	10T	7.28Y	121.4	0.00	3.63	0.54	0	4	1	97	0.00	0.0	11.104	0.004	0	0	0	1
PL.17102	PD.2670	C	#4 ACSR	7.28Y	121.4	0.00	3.63	0.54	0	4	1	97	0.00	0.0	11.107	0.004	0	0	0	1
PL.18074	PL.17102	C	#4 ACSR	7.28Y	121.4	0.00	3.64	0.54	0	4	1	97	0.00	0.0	11.154	0.046	4	1	1	1
PL.18075	PL.18074	C	#4 ACSR	7.28Y	121.4	0.00	3.64	0.00	0	0	0	100	0.00	0.0	11.189	0.036	0	0	0	0
PL.17554	PL.17102	C	#2 ACSR	7.28Y	121.4	0.00	3.63	0.00	0	0	0	100	0.00	0.0	11.176	0.069	0	0	0	0
PL.18076	PL.17774	C	#1/0 ACSR	7.28Y	121.4	0.00	3.64	4.83	2	34	8	97	0.00	0.0	11.135	0.036	2	1	1	14
PL.18077	PL.18076	C	#1/0 ACSR	7.28Y	121.4	0.01	3.65	4.50	2	32	7	98	0.00	0.0	11.236	0.100	0	0	0	13
PL.18086	PL.18077	C	#1/0 ACSR	7.28Y	121.3	0.01	3.65	4.50	2	32	7	98	0.00	0.0	11.290	0.054	3	1	2	13
PL.18087	PL.18086	C	#1/0 ACSR	7.28Y	121.3	0.00	3.66	4.14	2	29	7	97	0.00	0.0	11.322	0.032	0	0	1	11
PL.17555	PL.18087	C	#4 ACSR	7.28Y	121.3	0.01	3.67	4.14	3	29	7	97	0.00	0.0	11.377	0.055	0	0	0	10
PL.17556	PL.17555	C	#4 ACSR	7.28Y	121.3	0.00	3.67	0.85	1	6	1	99	0.00	0.0	11.465	0.088	6	1	3	4
PL.17557	PL.17556	C	#4 ACSR	7.28Y	121.3	0.00	3.67	0.00	0	0	0	100	0.00	0.0	11.584	0.120	0	0	0	1
PL.17775	PL.17557	C	#4 ACSR	7.28Y	121.3	0.00	3.67	0.00	0	0	0	100	0.00	0.0	11.739	0.155	0	0	0	1
PL.17776	PL.17775	C	#4 ACSR	7.28Y	121.3	0.00	3.67	0.00	0	0	0	100	0.00	0.0	11.878	0.139	0	0	1	1
PL.17558	PL.17555	C	#4 ACSR	7.28Y	121.3	0.03	3.69	3.29	3	23	5	98	0.00	0.0	11.552	0.175	0	0	0	6
PL.17559	PL.17558	C	#4 ACSR	7.28Y	121.3	0.01	3.70	3.29	3	23	5	98	0.00	0.0	11.593	0.041	0	0	0	6
PL.17777	PL.17559	C	#4 ACSR	7.28Y	121.3	0.02	3.72	3.29	3	23	5	98	0.00	0.0	11.755	0.162	6	1	1	6
PL.18082	PL.17777	C	#4 ACSR	7.28Y	121.3	0.00	3.72	0.94	1	7	2	96	0.00	0.0	11.792	0.037	0	0	0	3
PL.18083	PL.18082	C	#4 ACSR	7.28Y	121.3	0.00	3.72	0.94	1	7	2	96	0.00	0.0	11.864	0.072	0	0	0	3

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Balanced Voltage Drop Report
Source: Beattyville

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.65824	PL.18083	C	#4 ACSR	7.28Y	121.3	0.00	3.73	0.94	1	7	2	96	0.00	0.0	11.925	0.061	0	0	1	3
PL.65825	PL.65824	C	#4 ACSR	7.28Y	121.3	0.00	3.73	0.93	1	7	2	96	0.00	0.0	11.975	0.051	0	0	0	2
PL.17562	PL.65825	C	#4 ACSR	7.28Y	121.3	0.00	3.73	0.93	1	7	2	96	0.00	0.0	12.066	0.091	0	0	0	2
PL.17780	PL.17562	C	#4 ACSR	7.28Y	121.3	0.00	3.74	0.93	1	7	2	96	0.00	0.0	12.172	0.106	0	0	0	2
PL.18080	PL.17780	C	#4 ACSR	7.28Y	121.3	0.00	3.74	0.93	1	7	2	96	0.00	0.0	12.276	0.104	3	1	1	2
PL.18081	PL.18080	C	#4 ACSR	7.28Y	121.3	0.00	3.74	0.51	0	4	1	97	0.00	0.0	12.380	0.104	0	0	0	1
PL.17703	PL.18081	C	#4 ACSR	7.28Y	121.3	0.00	3.74	0.00	0	0	0	100	0.00	0.0	12.560	0.181	0	0	0	0
PL.17781	PL.17703	C	#4 ACSR	7.28Y	121.3	0.00	3.74	0.00	0	0	0	100	0.00	0.0	12.718	0.158	0	0	0	0
PL.18078	PL.17781	C	#4 ACSR	7.28Y	121.3	0.00	3.74	0.00	0	0	0	100	0.00	0.0	12.826	0.108	0	0	0	0
PL.18079	PL.18078	C	#4 ACSR	7.28Y	121.3	0.00	3.74	0.00	0	0	0	100	0.00	0.0	12.912	0.085	0	0	0	0
PL.17563	PL.18081	C	#2 ACSR	7.28Y	121.3	0.00	3.74	0.51	0	4	1	97	0.00	0.0	12.423	0.043	4	1	1	1
PL.17560	PL.17777	C	#4 ACSR	7.28Y	121.3	0.01	3.73	1.47	1	10	2	98	0.00	0.0	11.910	0.155	0	0	0	2
PL.17778	PL.17560	C	#4 ACSR	7.28Y	121.3	0.01	3.73	1.47	1	10	2	98	0.00	0.0	11.993	0.082	0	0	0	2
PL.17792	PL.17778	C	#4 ACSR	7.28Y	121.3	0.01	3.74	1.47	1	10	2	98	0.00	0.0	12.104	0.111	0	0	0	2
PL.17779	PL.17792	C	#4 ACSR	7.28Y	121.3	0.01	3.75	1.47	1	10	2	98	0.00	0.0	12.239	0.135	0	0	0	2
PL.18084	PL.17779	C	#4 ACSR	7.27Y	121.2	0.00	3.75	1.47	1	10	2	98	0.00	0.0	12.314	0.075	4	1	1	2
PL.18085	PL.18084	C	#4 ACSR	7.27Y	121.2	0.00	3.76	0.94	1	7	2	96	0.00	0.0	12.400	0.086	7	2	1	1
PL.17549	PL.17767	C	#2 ACSR	7.30Y	121.7	0.00	3.34	0.10	0	1	0	100	0.00	0.0	9.503	0.056	1	0	1	1
PL.18193	PL.17908	C	#1/0 ACSR	7.31Y	121.8	0.00	3.25	0.81	0	6	1	99	0.00	0.0	9.053	0.005	0	0	0	2
PD.2689	PL.18193	C	10T	7.31Y	121.8	0.00	3.25	0.81	0	6	1	99	0.00	0.0	9.053	0.005	0	0	0	2
PL.18194	PD.2689	C	#1/0 ACSR	7.31Y	121.8	0.00	3.25	0.81	0	6	1	99	0.00	0.0	9.094	0.042	6	1	2	2
PL.17702	PL.17907	C	#1/0 ACSR	7.31Y	121.8	0.00	3.22	0.76	0	5	1	98	0.00	0.0	8.949	0.005	0	0	0	2
PD.2625	PL.17702	C	10T	7.31Y	121.8	0.00	3.22	0.76	0	5	1	98	0.00	0.0	8.949	0.005	0	0	0	2
PL.17545	PD.2625	C	#1/0 ACSR	7.31Y	121.8	0.00	3.22	0.22	0	2	0	100	0.00	0.0	8.964	0.015	2	0	1	1
PL.17905	PD.2625	C	#1/0 ACSR	7.31Y	121.8	0.00	3.22	0.53	0	4	1	97	0.00	0.0	8.963	0.014	0	0	0	1
PL.17906	PL.17905	C	#1/0 ACSR	7.31Y	121.8	0.00	3.22	0.53	0	4	1	97	0.00	0.0	8.964	0.000	0	0	0	1
PL.17546	PL.17906	C	#1/0 ACSR	7.31Y	121.8	0.00	3.22	0.53	0	4	1	97	0.00	0.0	8.986	0.023	4	1	1	1
PL.17911	PL.17546	C	#4 ACSR	7.31Y	121.8	0.00	3.22	0.00	0	0	0	100	0.00	0.0	9.076	0.090	0	0	0	0
PL.17912	PL.17911	C	#4 ACSR	7.31Y	121.8	0.00	3.22	0.00	0	0	0	100	0.00	0.0	9.162	0.086	0	0	0	0
PL.17547	PL.17911	C	6 A (CWC)	7.31Y	121.8	0.00	3.22	0.00	0	0	0	100	0.00	0.0	9.169	0.094	0	0	0	0
PL.18243	PL.17935	A	#1/0 ACSR	7.32Y	122.0	0.00	2.96	45.67	20	325	79	97	0.01	0.0	8.096	0.003	0	0	0	60

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Balanced Voltage Drop Report
Source: Beattyville

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.2715	PL.18243	A	70L	7.32Y	122.0	0.00	2.96	45.67	65	325	79	97	0.00	0.0	8.096	0.003	0	0	0	60
PL.18244	PD.2715	A	#1/0 ACSR	7.31Y	121.9	0.13	3.08	45.67	20	325	79	97	0.28	0.1	8.219	0.123	0	0	0	60
PL.17782	PL.18244	A	#1/0 ACSR	7.30Y	121.7	0.17	3.26	45.67	20	325	78	97	0.38	0.1	8.388	0.169	0	0	0	60
PL.17937	PL.17782	A	#1/0 ACSR	7.30Y	121.6	0.13	3.39	45.67	20	324	78	97	0.28	0.1	8.514	0.126	4	1	1	60
PL.17938	PL.17937	A	#1/0 ACSR	7.29Y	121.5	0.10	3.49	45.10	20	320	77	97	0.22	0.1	8.613	0.098	0	0	0	59
PL.16613	PL.17938	A	#1/0 ACSR	7.28Y	121.4	0.14	3.63	45.10	20	320	76	97	0.31	0.1	8.754	0.142	0	0	0	59
PL.17919	PL.16613	A	#1/0 ACSR	7.28Y	121.3	0.10	3.73	45.10	20	319	76	97	0.21	0.1	8.850	0.096	0	0	0	59
PL.17920	PL.17919	A	#1/0 ACSR	7.27Y	121.1	0.15	3.88	45.10	20	319	76	97	0.32	0.1	8.997	0.147	0	0	0	59
PL.17885	PL.17920	A	#1/0 ACSR	7.26Y	121.0	0.08	3.96	45.10	20	319	75	97	0.18	0.1	9.078	0.081	2	0	1	59
PL.17928	PL.17885	A	#1/0 ACSR	7.26Y	121.0	0.07	4.03	44.33	19	313	74	97	0.15	0.0	9.151	0.073	8	2	1	56
PL.17929	PL.17928	A	#1/0 ACSR	7.25Y	120.8	0.17	4.20	43.16	19	305	72	97	0.35	0.1	9.323	0.172	0	0	0	55
PL.17785	PL.17929	A	#1/0 ACSR	7.24Y	120.7	0.06	4.26	43.16	19	305	71	97	0.13	0.0	9.388	0.066	10	2	3	55
PL.16615	PL.17785	A	#1/0 ACSR	7.24Y	120.7	0.00	4.26	1.61	1	11	3	96	0.00	0.0	9.418	0.030	11	3	2	2
PL.17930	PL.17785	A	#1/0 ACSR	7.24Y	120.7	0.06	4.32	39.57	17	279	66	97	0.11	0.0	9.457	0.069	7	2	1	48
PL.17931	PL.17930	A	#1/0 ACSR	7.23Y	120.6	0.11	4.44	38.59	17	272	64	97	0.21	0.1	9.586	0.129	5	1	1	47
PL.17932	PL.17931	A	#1/0 ACSR	7.23Y	120.4	0.13	4.57	37.91	16	267	63	97	0.24	0.1	9.741	0.155	0	0	0	46
PL.17786	PL.17932	A	#1/0 ACSR	7.22Y	120.3	0.12	4.69	37.91	16	267	62	97	0.22	0.1	9.885	0.144	2	0	1	46
PL.17873	PL.17786	A	#1/0 ACSR	7.21Y	120.2	0.09	4.78	37.65	16	265	62	97	0.17	0.1	9.994	0.109	0	0	0	45
PL.17874	PL.17873	A	#1/0 ACSR	7.21Y	120.2	0.03	4.81	37.65	16	265	61	97	0.05	0.0	10.025	0.031	6	1	1	45
PL.16618	PL.17874	A	#1/0 ACSR	7.21Y	120.2	0.00	4.81	0.71	0	5	1	98	0.00	0.0	10.057	0.031	5	1	1	1
PL.17872	PL.17874	A	#1/0 ACSR	7.20Y	120.1	0.13	4.94	36.14	16	254	59	97	0.22	0.1	10.184	0.158	0	0	0	43
PL.17787	PL.17872	A	#1/0 ACSR	7.20Y	120.0	0.03	4.97	36.14	16	254	59	97	0.06	0.0	10.226	0.042	0	0	0	43
PL.17947	PL.17787	A	#1/0 ACSR	7.20Y	120.0	0.05	5.02	35.80	16	251	58	97	0.08	0.0	10.288	0.062	6	1	1	42
PL.17948	PL.17947	A	#1/0 ACSR	7.20Y	119.9	0.03	5.05	34.89	15	245	56	97	0.06	0.0	10.330	0.043	1	0	1	41
PL.17870	PL.17948	A	#1/0 ACSR	7.19Y	119.9	0.07	5.13	33.38	15	234	54	97	0.12	0.1	10.429	0.098	0	0	0	38
PL.17788	PL.17870	A	#1/0 ACSR	7.19Y	119.8	0.07	5.20	33.38	15	234	54	97	0.11	0.0	10.523	0.095	3	1	1	38
PL.17949	PL.17788	A	#1/0 ACSR	7.18Y	119.7	0.07	5.27	32.99	14	231	53	97	0.11	0.0	10.627	0.104	19	4	2	37
PL.17950	PL.17949	A	#1/0 ACSR	7.18Y	119.6	0.09	5.37	30.34	13	212	49	97	0.14	0.1	10.766	0.139	1	0	1	35
PL.16620	PL.17950	A	6 A (CWC)	7.18Y	119.6	0.00	5.37	11.90	8	83	19	97	0.00	0.0	10.771	0.005	0	0	0	16
PD.2626	PL.16620	A	15T	7.18Y	119.6	0.00	5.37	11.90	0	83	19	97	0.00	0.0	10.771	0.005	0	0	0	16
PL.17812	PD.2626	A	#2 ACSR	7.18Y	119.6	0.00	5.37	2.56	1	18	4	98	0.00	0.0	10.772	0.002	0	0	0	2

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Balanced Voltage Drop Report
Source: Beattyville

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.17813	PL.17812	A	#2 ACSR	7.18Y	119.6	0.00	5.37	2.56	1	18	4	98	0.00	0.0	10.772	0.000	0	0	0	2
PL.16621	PL.17813	A	#2 ACSR	7.18Y	119.6	0.00	5.37	2.56	1	18	4	98	0.00	0.0	10.799	0.027	18	4	2	2
PL.17830	PD.2626	A	6 A (CWC)	7.18Y	119.6	0.03	5.40	9.34	7	65	15	97	0.02	0.0	10.862	0.092	14	3	2	14
PL.17831	PL.17830	A	6 A (CWC)	7.17Y	119.5	0.05	5.46	7.40	5	52	12	97	0.02	0.0	11.020	0.158	0	0	0	12
PL.16622	PL.17831	A	#1/0 ACSR	7.17Y	119.5	0.00	5.46	0.44	0	3	1	95	0.00	0.0	11.067	0.047	3	1	2	2
PL.17958	PL.17831	A	6 A (CWC)	7.17Y	119.5	0.05	5.50	6.96	5	49	11	98	0.02	0.0	11.166	0.146	1	0	1	10
PL.17959	PL.17958	A	6 A (CWC)	7.17Y	119.5	0.02	5.52	6.76	5	47	11	97	0.01	0.0	11.226	0.060	14	3	1	9
PL.16623	PL.17959	A	#4 ACSR	7.17Y	119.5	0.00	5.52	0.02	0	0	0	100	0.00	0.0	11.359	0.133	0	0	1	1
PL.17941	PL.17959	A	6 A (CWC)	7.17Y	119.5	0.03	5.55	4.69	3	33	7	98	0.01	0.0	11.372	0.147	0	0	0	7
PL.17942	PL.17941	A	6 A (CWC)	7.17Y	119.4	0.01	5.56	4.69	3	33	7	98	0.00	0.0	11.432	0.059	8	2	1	7
PL.17939	PL.17942	A	#4 ACSR	7.17Y	119.4	0.01	5.56	2.03	2	14	3	98	0.00	0.0	11.499	0.068	2	0	1	4
PL.17940	PL.17939	A	#4 ACSR	7.17Y	119.4	0.01	5.57	1.80	1	13	3	97	0.00	0.0	11.568	0.069	0	0	0	3
PL.16624	PL.17940	A	#2 ACSR	7.17Y	119.4	0.00	5.57	0.23	0	2	0	100	0.00	0.0	11.648	0.079	2	0	1	1
PL.18092	PL.17940	A	#4 ACSR	7.17Y	119.4	0.00	5.57	1.57	1	11	2	98	0.00	0.0	11.614	0.045	0	0	0	2
PL.18093	PL.18092	A	#4 ACSR	7.17Y	119.4	0.00	5.58	1.57	1	11	2	98	0.00	0.0	11.671	0.058	0	0	0	2
PL.17951	PL.18093	A	#4 ACSR	7.17Y	119.4	0.00	5.58	0.75	1	5	1	98	0.00	0.0	11.721	0.050	5	1	1	1
PL.17952	PL.17951	A	#4 ACSR	7.17Y	119.4	0.00	5.58	0.00	0	0	0	100	0.00	0.0	11.765	0.044	0	0	0	0
PL.16625	PL.18093	A	#2 ACSR	7.17Y	119.4	0.00	5.58	0.82	0	6	1	99	0.00	0.0	11.716	0.045	6	1	1	1
PL.17811	PL.17942	A	6 A (CWC)	7.17Y	119.4	0.01	5.57	1.51	1	11	2	98	0.00	0.0	11.531	0.099	0	0	1	2
PL.16626	PL.17811	A	#4 ACSR	7.17Y	119.4	0.00	5.57	1.51	1	11	2	98	0.00	0.0	11.586	0.055	11	2	1	1
PL.17809	PL.17811	A	6 A (CWC)	7.17Y	119.4	0.00	5.57	0.00	0	0	0	100	0.00	0.0	11.635	0.104	0	0	0	0
PL.17129	PL.17950	A	6 A (CWC)	7.18Y	119.6	0.00	5.37	18.36	13	128	29	98	0.00	0.0	10.770	0.005	0	0	0	18
PD.2683	PL.17129	A	10T	7.18Y	119.6	0.00	5.37	18.36	0	128	29	98	0.00	0.0	10.770	0.005	0	0	0	18
PL.17130	PD.2683	A	6 A (CWC)	7.18Y	119.6	0.05	5.42	18.36	13	128	29	98	0.04	0.0	10.829	0.058	13	3	1	18
PL.17955	PL.17130	A	6 A (CWC)	7.17Y	119.5	0.05	5.47	16.53	12	116	26	98	0.05	0.0	10.902	0.074	0	0	0	17
PL.16627	PL.17955	A	6 A (CWC)	7.17Y	119.5	0.00	5.47	0.44	0	3	1	95	0.00	0.0	10.950	0.048	3	1	2	2
PL.17810	PL.17955	A	6 A (CWC)	7.16Y	119.4	0.12	5.59	16.10	11	113	26	97	0.10	0.1	11.067	0.165	0	0	0	15
PL.17803	PL.17810	A	6 A (CWC)	7.16Y	119.4	0.04	5.63	9.23	7	64	15	97	0.02	0.0	11.167	0.101	11	2	2	6
PL.17953	PL.17803	A	6 A (CWC)	7.16Y	119.4	0.02	5.65	6.18	4	43	10	97	0.01	0.0	11.239	0.072	0	0	0	3
PL.17954	PL.17953	A	6 A (CWC)	7.16Y	119.3	0.01	5.66	6.18	4	43	10	97	0.00	0.0	11.280	0.041	6	1	1	3
PL.17956	PL.17954	A	6 A (CWC)	7.16Y	119.3	0.03	5.69	5.32	4	37	8	98	0.01	0.0	11.429	0.149	13	3	1	2

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Balanced Voltage Drop Report
Source: Beattyville

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.17957	PL.17956	A	6 A (CWC)	7.16Y	119.3	0.02	5.71	3.44	2	24	5	98	0.00	0.0	11.574	0.145	0	0	0	1
PL.17581	PL.17957	A	#1/0 ACSR	7.16Y	119.3	0.00	5.71	3.44	1	24	5	98	0.00	0.0	11.602	0.028	24	5	1	1
PL.17579	PL.17803	A	#1/0 ACSR	7.16Y	119.4	0.00	5.63	1.53	1	11	2	98	0.00	0.0	11.248	0.081	11	2	1	1
PL.17569	PL.17810	A	6 A (CWC)	7.16Y	119.4	0.00	5.59	0.87	1	6	1	99	0.00	0.0	11.158	0.091	6	1	1	1
PL.17807	PL.17810	A	#2 ACSR	7.16Y	119.4	0.01	5.60	5.99	3	42	10	97	0.00	0.0	11.117	0.050	0	0	0	8
PL.17570	PL.17807	A	#2 ACSR	7.16Y	119.4	0.00	5.60	0.86	0	6	1	99	0.00	0.0	11.209	0.092	6	1	1	1
PL.17808	PL.17807	A	#2 ACSR	7.16Y	119.4	0.02	5.62	5.13	3	36	8	98	0.01	0.0	11.260	0.144	0	0	0	7
PL.17789	PL.17808	A	#2 ACSR	7.16Y	119.4	0.02	5.65	5.13	3	36	8	98	0.01	0.0	11.411	0.151	0	0	0	7
PL.17571	PL.17789	A	#2 ACSR	7.16Y	119.3	0.02	5.66	4.62	3	32	7	98	0.00	0.0	11.521	0.110	0	0	0	6
PL.17574	PL.17571	A	#4 ACSR	7.16Y	119.3	0.03	5.70	4.62	4	32	7	98	0.01	0.0	11.689	0.168	0	0	0	6
PL.17575	PL.17574	A	#4 ACSR	7.16Y	119.3	0.02	5.72	4.62	4	32	7	98	0.01	0.0	11.802	0.112	0	0	0	6
PL.17576	PL.17575	A	#4 ACSR	7.16Y	119.3	0.01	5.73	2.23	2	16	4	97	0.00	0.0	11.921	0.119	0	0	0	2
PL.17790	PL.17576	A	#4 ACSR	7.16Y	119.3	0.01	5.74	2.23	2	16	4	97	0.00	0.0	12.041	0.120	15	3	1	2
PL.17712	PL.17790	A	#4 ACSR	7.16Y	119.3	0.00	5.74	0.03	0	0	0	100	0.00	0.0	12.174	0.133	0	0	1	1
PL.17704	PL.17575	A	#4 ACSR	7.16Y	119.3	0.01	5.73	2.39	2	17	4	97	0.00	0.0	11.867	0.065	0	0	0	4
PL.17577	PL.17704	A	#4 ACSR	7.16Y	119.3	0.02	5.74	2.39	2	17	4	97	0.00	0.0	12.010	0.143	0	0	0	4
PL.17578	PL.17577	A	#4 ACSR	7.16Y	119.3	0.01	5.75	2.39	2	17	4	97	0.00	0.0	12.090	0.080	6	1	2	4
PL.17945	PL.17578	A	#1/0 ACSR	7.16Y	119.3	0.00	5.75	1.54	1	11	2	98	0.00	0.0	12.114	0.024	3	1	1	2
PL.17946	PL.17945	A	#1/0 ACSR	7.16Y	119.3	0.00	5.75	1.09	0	8	2	97	0.00	0.0	12.166	0.053	8	2	1	1
PL.17572	PL.17789	A	6 A (CWC)	7.16Y	119.4	0.00	5.65	0.51	0	4	1	97	0.00	0.0	11.500	0.089	4	1	1	1
PL.17573	PL.17572	A	#2 ACSR	7.16Y	119.4	0.00	5.65	0.00	0	0	0	100	0.00	0.0	11.560	0.059	0	0	0	0
PL.17943	PL.17948	A	#2 ACSR	7.20Y	119.9	0.01	5.06	1.35	1	9	2	98	0.00	0.0	10.464	0.133	0	0	1	2
PL.17944	PL.17943	A	#2 ACSR	7.20Y	119.9	0.00	5.06	1.34	1	9	2	98	0.00	0.0	10.507	0.044	9	2	1	1
PL.16619	PL.17787	A	#2 ACSR	7.20Y	120.0	0.00	4.97	0.34	0	2	1	89	0.00	0.0	10.241	0.015	2	1	1	1
PL.16616	PL.17785	A	6 A (CWC)	7.24Y	120.7	0.00	4.27	0.57	0	4	1	97	0.00	0.0	9.449	0.061	0	0	0	2
PL.16617	PL.16616	A	#4 ACSR	7.24Y	120.7	0.00	4.27	0.57	0	4	1	97	0.00	0.0	9.526	0.077	4	1	2	2
PL.16614	PL.17885	A	#1/0 ACSR	7.26Y	121.0	0.00	3.96	0.55	0	4	1	97	0.00	0.0	9.222	0.144	0	0	0	2
PL.17783	PL.16614	A	#1/0 ACSR	7.26Y	121.0	0.00	3.97	0.55	0	4	1	97	0.00	0.0	9.321	0.098	0	0	0	2
PL.17784	PL.17783	A	#1/0 ACSR	7.26Y	121.0	0.00	3.97	0.55	0	4	1	97	0.00	0.0	9.455	0.134	4	1	2	2
PL.16612	PL.17782	A	#1/0 ACSR	7.30Y	121.7	0.00	3.26	0.00	0	0	0	100	0.00	0.0	8.403	0.015	0	0	0	0
PL.17127	PL.17935	C	#2 ACSR	7.32Y	122.0	0.00	2.95	0.00	0	0	0	100	0.00	0.0	8.098	0.005	0	0	0	0

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Balanced Voltage Drop Report
Source: Beattyville

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.2682	PL.17127	C	15T	7.32Y	122.0	0.00	2.95	0.00	0	0	0	100	0.00	0.0	8.098	0.005	0	0	0	0
PL.17128	PD.2682	C	#2 ACSR	7.32Y	122.0	0.00	2.95	0.00	0	0	0	100	0.00	0.0	8.254	0.156	0	0	0	0
PL.18168	PL.27890	A	#2 ACSR	7.34Y	122.3	0.00	2.71	0.06	0	0	0	100	0.00	0.0	7.423	0.005	0	0	0	1
PD.2653	PL.18168	A	15T	7.34Y	122.3	0.00	2.71	0.06	0	0	0	100	0.00	0.0	7.423	0.005	0	0	0	1
PL.18169	PD.2653	A	#2 ACSR	7.34Y	122.3	0.00	2.71	0.06	0	0	0	100	0.00	0.0	7.435	0.012	0	0	1	1
PL.18166	PL.18262	C	#1/0 ACSR	7.34Y	122.3	0.00	2.66	1.76	1	13	3	97	0.00	0.0	7.263	0.005	0	0	0	1
PD.2652	PL.18166	C	15T	7.34Y	122.3	0.00	2.66	1.76	0	13	3	97	0.00	0.0	7.263	0.005	0	0	0	1
PL.18167	PD.2652	C	#1/0 ACSR	7.34Y	122.3	0.00	2.66	1.76	1	13	3	97	0.00	0.0	7.309	0.047	13	3	1	1
PL.18233	PL.17754	ABC	#4 ACSR	7.37Y	122.8	0.00	2.23	0.36	0	7	3	92	0.00	0.0	6.486	0.005	0	0	0	2
PD.2710	PL.18233	ABC	30T	7.37Y	122.8	0.00	2.23	0.36	0	7	3	92	0.00	0.0	6.486	0.005	0	0	0	2
PL.18234	PD.2710	ABC	#4 ACSR	7.37Y	122.8	0.00	2.23	0.36	0	7	3	92	0.00	0.0	6.504	0.018	3	1	1	2
PL.17847	PL.18234	ABC	#4 ACSR	7.37Y	122.8	0.00	2.23	0.21	0	4	2	89	0.00	0.0	6.559	0.054	0	0	0	1
PL.17530	PL.17847	ABC	#4 ACSR	7.37Y	122.8	0.00	2.23	0.21	0	4	2	89	0.00	0.0	6.687	0.128	0	0	0	1
PL.17531	PL.17530	ABC	#4 ACSR	7.37Y	122.8	0.00	2.24	0.21	0	4	2	89	0.00	0.0	6.767	0.080	0	0	0	1
PL.17755	PL.17531	ABC	#4 ACSR	7.37Y	122.8	0.00	2.24	0.21	0	4	2	89	0.00	0.0	6.892	0.124	4	2	1	1
PL.18211	PL.17693	A	#4 ACSR	7.40Y	123.4	0.00	1.65	1.27	1	9	2	98	0.00	0.0	5.652	0.005	0	0	0	2
PD.2698	PL.18211	A	30T	7.40Y	123.4	0.00	1.65	1.27	0	9	2	98	0.00	0.0	5.652	0.005	0	0	0	2
PL.18212	PD.2698	A	#4 ACSR	7.40Y	123.4	0.00	1.65	1.27	1	9	2	98	0.00	0.0	5.717	0.065	9	2	2	2
PL.17097	PL.17835	A	#4 ACSR	7.41Y	123.5	0.00	1.48	2.70	2	20	4	98	0.00	0.0	5.417	0.005	0	0	0	4
PD.2667	PL.17097	A	30T	7.41Y	123.5	0.00	1.48	2.70	0	20	4	98	0.00	0.0	5.417	0.005	0	0	0	4
PL.17098	PD.2667	A	#4 ACSR	7.41Y	123.5	0.00	1.48	2.70	2	20	4	98	0.00	0.0	5.468	0.051	7	2	1	4
PL.17846	PL.17098	A	#4 ACSR	7.41Y	123.5	0.00	1.48	1.67	1	12	3	97	0.00	0.0	5.498	0.029	12	3	3	3
PL.17131	PL.17835	B	#2 ACSR	7.41Y	123.5	0.00	1.48	4.67	3	34	8	97	0.00	0.0	5.417	0.005	0	0	0	5
PD.2684	PL.17131	B	30T	7.41Y	123.5	0.00	1.48	4.67	0	34	8	97	0.00	0.0	5.417	0.005	0	0	0	5
PL.17132	PD.2684	B	#2 ACSR	7.41Y	123.5	0.00	1.48	4.67	3	34	8	97	0.00	0.0	5.444	0.027	8	2	4	5
PL.17523	PL.17132	B	#1/0 ACSR	7.41Y	123.5	0.00	1.48	3.51	2	25	6	97	0.00	0.0	5.512	0.068	25	6	1	1
PL.17501	PL.17836	B	#1/0 ACSR	7.42Y	123.6	0.02	1.40	30.52	13	221	51	97	0.03	0.0	5.317	0.027	0	0	0	55
PL.17684	PL.17501	B	#1/0 ACSR	7.42Y	123.6	0.00	1.40	1.50	1	11	2	98	0.00	0.0	5.329	0.012	11	2	1	1
PL.18258	PL.17501	B	#1/0 ACSR	7.42Y	123.6	0.00	1.40	29.01	13	210	48	97	0.00	0.0	5.320	0.003	0	0	0	54
PD.2722	PL.18258	B	50L	7.42Y	123.6	0.00	1.40	29.01	58	210	48	97	0.00	0.0	5.320	0.003	0	0	0	54
PL.18257	PD.2722	B	#1/0 ACSR	7.41Y	123.6	0.02	1.43	29.01	13	210	48	97	0.03	0.0	5.356	0.037	0	0	0	54

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: Beattyville

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.17832	PL.18257	B	#1/0 ACSR	7.41Y	123.5	0.04	1.47	29.01	13	210	48	97	0.05	0.0	5.414	0.058	0	0	0	54
PL.17833	PL.17832	B	#1/0 ACSR	7.41Y	123.5	0.03	1.50	29.01	13	210	48	97	0.05	0.0	5.465	0.051	0	0	0	54
PL.17534	PL.17833	B	#1/0 ACSR	7.41Y	123.4	0.06	1.56	29.01	13	210	48	97	0.09	0.0	5.560	0.095	0	0	1	54
PL.17115	PL.17534	B	6 A (CWC)	7.41Y	123.4	0.00	1.56	14.53	10	105	24	97	0.00	0.0	5.565	0.005	0	0	0	20
PD.2676	PL.17115	B	20T	7.41Y	123.4	0.00	1.56	14.53	0	105	24	97	0.00	0.0	5.565	0.005	0	0	0	20
PL.17116	PD.2676	B	6 A (CWC)	7.40Y	123.3	0.10	1.67	14.53	10	105	24	97	0.08	0.1	5.723	0.158	0	0	0	20
PL.17643	PL.17116	B	#4 ACSR	7.40Y	123.3	0.00	1.67	1.92	1	14	3	98	0.00	0.0	5.757	0.034	0	0	0	3
PL.17644	PL.17643	B	#1/0 ACSR	7.40Y	123.3	0.00	1.67	1.21	1	9	2	98	0.00	0.0	5.788	0.031	0	0	0	2
PL.17685	PL.17644	B	#1/0 ACSR	7.40Y	123.3	0.00	1.67	1.17	1	8	2	97	0.00	0.0	5.828	0.040	8	2	1	1
PL.17645	PL.17644	B	#1/0 ACSR	7.40Y	123.3	0.00	1.67	0.04	0	0	0	100	0.00	0.0	5.867	0.079	0	0	1	1
PL.17686	PL.17643	B	#4 ACSR	7.40Y	123.3	0.00	1.67	0.71	1	5	1	98	0.00	0.0	5.764	0.008	5	1	1	1
PL.18108	PL.17116	B	6 A (CWC)	7.40Y	123.3	0.03	1.69	12.62	9	91	21	97	0.02	0.0	5.773	0.050	10	2	1	17
PL.18109	PL.18108	B	6 A (CWC)	7.40Y	123.3	0.03	1.72	11.20	8	81	18	98	0.01	0.0	5.823	0.050	3	1	1	16
PL.17646	PL.18109	B	6 A (CWC)	7.40Y	123.3	0.02	1.74	10.79	8	78	18	97	0.01	0.0	5.871	0.047	29	7	4	15
PL.17647	PL.17646	B	6 A (CWC)	7.39Y	123.2	0.02	1.75	6.71	5	48	11	97	0.01	0.0	5.925	0.054	0	0	0	11
PL.17687	PL.17647	B	6 A (CWC)	7.39Y	123.2	0.03	1.78	3.71	3	27	6	98	0.01	0.0	6.087	0.162	0	0	0	6
PL.17650	PL.17687	B	#4 ACSR	7.39Y	123.2	0.00	1.78	1.66	1	12	3	97	0.00	0.0	6.124	0.037	0	0	0	3
PL.18102	PL.17650	B	#4 ACSR	7.39Y	123.2	0.00	1.79	0.97	1	7	2	96	0.00	0.0	6.214	0.091	7	2	1	1
PL.18103	PL.18102	B	#4 ACSR	7.39Y	123.2	0.00	1.79	0.00	0	0	0	100	0.00	0.0	6.354	0.140	0	0	0	0
PL.18105	PL.17650	B	#4 ACSR	7.39Y	123.2	0.00	1.79	0.70	1	5	1	98	0.00	0.0	6.213	0.089	0	0	1	2
PL.18104	PL.18105	B	#4 ACSR	7.39Y	123.2	0.00	1.79	0.68	1	5	1	98	0.00	0.0	6.279	0.067	5	1	1	1
PL.17649	PL.17687	B	#4 ACSR	7.39Y	123.2	0.00	1.78	0.48	0	3	1	95	0.00	0.0	6.107	0.020	3	1	1	1
PL.17651	PL.17687	B	6 A (CWC)	7.39Y	123.2	0.01	1.79	1.56	1	11	3	96	0.00	0.0	6.259	0.173	11	3	2	2
PL.17648	PL.17647	B	6 A (CWC)	7.39Y	123.2	0.00	1.76	0.84	1	6	1	99	0.00	0.0	5.957	0.033	6	1	2	2
PL.18106	PL.17647	B	#4 ACSR	7.39Y	123.2	0.00	1.76	2.16	2	16	4	97	0.00	0.0	5.967	0.042	9	2	1	3
PL.18107	PL.18106	B	#4 ACSR	7.39Y	123.2	0.00	1.76	0.86	1	6	1	99	0.00	0.0	6.017	0.050	6	1	2	2
PL.66167	PL.17534	B	#1/0 ACSR	7.41Y	123.4	0.00	1.56	0.00	0	0	0	100	0.00	0.0	5.608	0.048	0	0	0	0
PL.66168	PL.66167	B	#1/0 ACSR	7.41Y	123.4	0.00	1.56	0.00	0	0	0	100	0.00	0.0	5.662	0.054	0	0	0	0
PL.17642	PL.17534	B	#1/0 ACSR	7.41Y	123.4	0.01	1.58	14.47	6	104	24	97	0.01	0.0	5.604	0.044	0	0	0	33
PL.18100	PL.17642	B	#1/0 ACSR	7.40Y	123.4	0.03	1.60	14.47	6	104	24	97	0.02	0.0	5.698	0.095	7	2	1	33
PL.18101	PL.18100	B	#1/0 ACSR	7.40Y	123.4	0.02	1.63	13.46	6	97	22	98	0.01	0.0	5.769	0.071	0	0	0	32

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Balanced Voltage Drop Report
Source: Beattyville

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.17652	PL.18101	B	#1/0 ACSR	7.40Y	123.4	0.02	1.64	12.81	6	92	21	97	0.01	0.0	5.833	0.064	0	0	0	30
PL.18189	PL.17652	B	#1/0 ACSR	7.40Y	123.4	0.00	1.64	1.51	1	11	2	98	0.00	0.0	5.837	0.005	0	0	0	1
PD.2687	PL.18189	B	20T	7.40Y	123.4	0.00	1.64	1.51	0	11	2	98	0.00	0.0	5.837	0.005	0	0	0	1
PL.18190	PD.2687	B	#1/0 ACSR	7.40Y	123.4	0.00	1.65	1.51	1	11	2	98	0.00	0.0	5.871	0.034	11	2	1	1
PL.18097	PL.17652	B	#1/0 ACSR	7.40Y	123.3	0.01	1.66	11.31	5	82	19	97	0.01	0.0	5.887	0.054	0	0	0	29
PL.18098	PL.18097	B	#1/0 ACSR	7.40Y	123.3	0.03	1.69	11.31	5	82	19	97	0.02	0.0	6.020	0.133	0	0	0	29
PL.17688	PL.18098	B	#1/0 ACSR	7.40Y	123.3	0.03	1.73	10.60	5	76	18	97	0.02	0.0	6.161	0.140	0	0	0	28
PL.17689	PL.17688	B	#1/0 ACSR	7.39Y	123.2	0.04	1.76	10.07	4	73	17	97	0.02	0.0	6.327	0.166	0	0	0	27
PL.17690	PL.17689	B	#1/0 ACSR	7.39Y	123.2	0.02	1.78	10.07	4	73	17	97	0.01	0.0	6.406	0.079	0	0	0	27
PL.17653	PL.17690	B	#1/0 ACSR	7.39Y	123.2	0.03	1.81	10.07	4	73	17	97	0.01	0.0	6.529	0.123	0	0	0	27
PL.17747	PL.17653	B	#1/0 ACSR	7.39Y	123.2	0.03	1.84	10.07	4	73	17	97	0.01	0.0	6.658	0.128	0	0	0	27
PL.17748	PL.17747	B	#1/0 ACSR	7.39Y	123.1	0.03	1.87	10.07	4	73	17	97	0.01	0.0	6.789	0.131	0	0	0	27
PL.17749	PL.17748	B	#1/0 ACSR	7.39Y	123.1	0.02	1.89	10.07	4	73	17	97	0.01	0.0	6.878	0.090	0	0	0	27
PL.17656	PL.17749	B	#1/0 ACSR	7.39Y	123.1	0.02	1.91	10.07	4	73	17	97	0.01	0.0	6.965	0.086	0	0	0	27
PL.17750	PL.17656	B	#1/0 ACSR	7.38Y	123.1	0.03	1.94	10.07	4	73	17	97	0.02	0.0	7.109	0.144	0	0	0	27
PL.17691	PL.17750	B	#1/0 ACSR	7.38Y	123.1	0.01	1.95	4.99	2	36	8	98	0.00	0.0	7.162	0.053	5	1	1	16
PL.18191	PL.17691	B	6 A (CWC)	7.38Y	123.1	0.00	1.95	4.28	3	31	7	98	0.00	0.0	7.167	0.005	0	0	0	15
PD.2688	PL.18191	B	20T	7.38Y	123.1	0.00	1.95	4.28	0	31	7	98	0.00	0.0	7.167	0.005	0	0	0	15
PL.18192	PD.2688	B	6 A (CWC)	7.38Y	123.0	0.01	1.96	4.28	3	31	7	98	0.00	0.0	7.235	0.068	9	2	2	15
PL.18094	PL.18192	B	6 A (CWC)	7.38Y	123.0	0.02	1.98	3.00	2	22	5	98	0.00	0.0	7.396	0.161	3	1	2	13
PL.18095	PL.18094	B	6 A (CWC)	7.38Y	123.0	0.01	1.98	2.56	2	18	4	98	0.00	0.0	7.448	0.052	4	1	1	11
PL.18096	PL.18095	B	6 A (CWC)	7.38Y	123.0	0.00	1.99	1.95	1	14	3	98	0.00	0.0	7.490	0.042	4	1	2	10
PL.17535	PL.18096	B	6 A (CWC)	7.38Y	123.0	0.00	1.99	1.35	1	10	2	98	0.00	0.0	7.540	0.050	7	2	1	8
PL.17536	PL.17535	B	6 A (CWC)	7.38Y	123.0	0.00	1.99	0.40	0	3	1	95	0.00	0.0	7.567	0.027	0	0	2	7
PL.17537	PL.17536	B	#4 ACSR	7.38Y	123.0	0.00	1.99	0.06	0	0	0	100	0.00	0.0	7.594	0.028	0	0	2	2
PL.17538	PL.17536	B	6 A (CWC)	7.38Y	123.0	0.00	1.99	0.31	0	2	1	89	0.00	0.0	7.643	0.076	0	0	0	3
PL.25740	PL.17538	B	6 A (CWC)	7.38Y	123.0	0.00	1.99	0.04	0	0	0	100	0.00	0.0	7.645	0.002	0	0	0	2
PD.3634	PL.25740	B	12T	7.38Y	123.0	0.00	1.99	0.04	0	0	0	100	0.00	0.0	7.645	0.002	0	0	0	2
PL.25741	PD.3634	B	#4/0 ACSR	7.38Y	123.0	0.00	1.99	0.04	0	0	0	100	0.00	0.0	7.739	0.094	0	0	0	2
PL.17541	PL.25741	B	#4 ACSR	7.38Y	123.0	0.00	1.99	0.04	0	0	0	100	0.00	0.0	7.909	0.170	0	0	0	2
PL.17751	PL.17541	B	6 A (CWC)	7.38Y	123.0	0.00	1.99	0.04	0	0	0	100	0.00	0.0	8.009	0.099	0	0	2	2

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Balanced Voltage Drop Report
Source: Beattyville

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.17540	PL.17538	B	#4 ACSR	7.38Y	123.0	0.00	1.99	0.27	0	2	0	100	0.00	0.0	7.689	0.047	2	0	1	1
PL.17657	PL.17750	B	#1/0 ACSR	7.38Y	123.1	0.01	1.95	5.08	2	37	8	98	0.00	0.0	7.170	0.061	8	2	2	11
PL.17564	PL.17657	B	#1/0 ACSR	7.38Y	123.1	0.00	1.95	1.31	1	9	2	98	0.00	0.0	7.223	0.053	0	0	1	6
PL.17565	PL.17564	B	#1/0 ACSR	7.38Y	123.1	0.00	1.95	1.30	1	9	2	98	0.00	0.0	7.304	0.081	0	0	0	5
PL.17567	PL.17565	B	#1/0 ACSR	7.38Y	123.1	0.00	1.95	0.29	0	2	0	100	0.00	0.0	7.338	0.035	0	0	0	2
PL.17568	PL.17567	B	#1/0 ACSR	7.38Y	123.0	0.00	1.95	0.29	0	2	0	100	0.00	0.0	7.411	0.073	2	0	2	2
PL.17095	PL.17565	B	#4 ACSR	7.38Y	123.1	0.00	1.95	1.01	1	7	2	96	0.00	0.0	7.308	0.005	0	0	0	3
PD.2666	PL.17095	B	20T	7.38Y	123.1	0.00	1.95	1.01	0	7	2	96	0.00	0.0	7.308	0.005	0	0	0	3
PL.17096	PD.2666	B	#4 ACSR	7.38Y	123.0	0.00	1.95	1.01	1	7	2	96	0.00	0.0	7.312	0.004	0	0	0	3
PL.17845	PL.17096	B	#4 ACSR	7.38Y	123.0	0.00	1.95	1.01	1	7	2	96	0.00	0.0	7.326	0.014	0	0	0	3
PL.17566	PL.17845	B	#4 ACSR	7.38Y	123.0	0.00	1.95	0.00	0	0	0	100	0.00	0.0	7.389	0.063	0	0	1	1
PL.17692	PL.17845	B	#4 ACSR	7.38Y	123.0	0.00	1.95	1.01	1	7	2	96	0.00	0.0	7.349	0.023	7	2	2	2
PL.17110	PL.17657	B	#1/0 ACSR	7.38Y	123.1	0.00	1.95	2.25	1	16	4	97	0.00	0.0	7.174	0.005	0	0	0	2
PD.2673	PL.17110	B	20T	7.38Y	123.1	0.00	1.95	2.25	0	16	4	97	0.00	0.0	7.174	0.005	0	0	0	2
PL.17109	PD.2673	B	#1/0 ACSR	7.38Y	123.1	0.00	1.95	2.25	1	16	4	97	0.00	0.0	7.212	0.037	16	4	2	2
PL.18185	PL.17657	B	6 A (CWC)	7.38Y	123.1	0.00	1.95	0.35	0	3	1	95	0.00	0.0	7.174	0.005	0	0	0	1
PD.2685	PL.18185	B	20T	7.38Y	123.1	0.00	1.95	0.35	0	3	1	95	0.00	0.0	7.174	0.005	0	0	0	1
PL.18186	PD.2685	B	6 A (CWC)	7.38Y	123.1	0.00	1.95	0.35	0	3	1	95	0.00	0.0	7.239	0.065	3	1	1	1
PL.18215	PL.17688	B	#1/0 ACSR	7.40Y	123.3	0.00	1.73	0.53	0	4	1	97	0.00	0.0	6.165	0.005	0	0	0	1
PD.2700	PL.18215	B	20T	7.40Y	123.3	0.00	1.73	0.53	0	4	1	97	0.00	0.0	6.165	0.005	0	0	0	1
PL.18216	PD.2700	B	#1/0 ACSR	7.40Y	123.3	0.00	1.73	0.53	0	4	1	97	0.00	0.0	6.181	0.015	4	1	1	1
PL.17111	PL.18098	B	#1/0 ACSR	7.40Y	123.3	0.00	1.69	0.71	0	5	1	98	0.00	0.0	6.025	0.004	0	0	0	1
PD.2674	PL.17111	B	20T	7.40Y	123.3	0.00	1.69	0.71	0	5	1	98	0.00	0.0	6.025	0.004	0	0	0	1
PL.17112	PD.2674	B	#1/0 ACSR	7.40Y	123.3	0.00	1.69	0.71	0	5	1	98	0.00	0.0	6.057	0.033	5	1	1	1
PL.17113	PL.18101	B	6 A (CWC)	7.40Y	123.4	0.00	1.63	0.65	0	5	1	98	0.00	0.0	5.774	0.005	0	0	0	2
PD.2675	PL.17113	B	20T	7.40Y	123.4	0.00	1.63	0.65	0	5	1	98	0.00	0.0	5.774	0.005	0	0	0	2
PL.17114	PD.2675	B	6 A (CWC)	7.40Y	123.4	0.00	1.63	0.65	0	5	1	98	0.00	0.0	5.799	0.026	5	1	1	2
PL.18099	PL.17114	B	6 A (CWC)	7.40Y	123.4	0.00	1.63	0.01	0	0	0	100	0.00	0.0	5.869	0.070	0	0	1	1
PL.18207	PL.17836	A	6 A (CWC)	7.42Y	123.6	0.00	1.39	16.60	12	120	27	98	0.00	0.0	5.295	0.005	0	0	0	28
PD.2696	PL.18207	A	30T	7.42Y	123.6	0.00	1.39	16.60	0	120	27	98	0.00	0.0	5.295	0.005	0	0	0	28
PL.18208	PD.2696	A	6 A (CWC)	7.41Y	123.5	0.07	1.46	16.60	12	120	27	98	0.06	0.1	5.391	0.096	7	2	3	28

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: Beattyville

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.17502	PL.18208	A	6 A (CWC)	7.41Y	123.5	0.06	1.52	15.58	11	113	26	97	0.05	0.0	5.483	0.092	16	4	3	25
PL.17503	PL.17502	A	#2 ACSR	7.41Y	123.5	0.00	1.52	0.28	0	2	0	100	0.00	0.0	5.530	0.047	2	0	1	1
PL.17504	PL.17502	A	6 A (CWC)	7.41Y	123.4	0.05	1.56	13.13	9	95	22	97	0.03	0.0	5.562	0.079	0	0	0	21
PL.17505	PL.17504	A	6 A (CWC)	7.40Y	123.4	0.02	1.58	10.96	8	79	18	98	0.01	0.0	5.601	0.039	0	0	0	18
PL.17507	PL.17505	A	6 A (CWC)	7.40Y	123.4	0.00	1.58	0.39	0	3	1	95	0.00	0.0	5.691	0.090	3	1	1	1
PL.17881	PL.17505	A	6 A (CWC)	7.40Y	123.3	0.09	1.67	10.57	8	76	17	98	0.05	0.1	5.786	0.185	0	0	0	17
PL.17882	PL.17881	A	6 A (CWC)	7.40Y	123.3	0.03	1.71	10.57	8	76	17	98	0.02	0.0	5.857	0.071	0	0	0	17
PL.17510	PL.17882	A	6 A (CWC)	7.40Y	123.3	0.00	1.71	0.05	0	0	0	100	0.00	0.0	5.996	0.139	0	0	0	1
PL.17512	PL.17510	A	6 A (CWC)	7.40Y	123.3	0.00	1.71	0.05	0	0	0	100	0.00	0.0	6.056	0.059	0	0	1	1
PL.17511	PL.17882	A	6 A (CWC)	7.39Y	123.2	0.07	1.78	10.52	8	76	17	98	0.04	0.1	6.004	0.147	0	0	0	16
PL.17514	PL.17511	A	#4 ACSR	7.39Y	123.2	0.00	1.78	0.26	0	2	0	100	0.00	0.0	6.107	0.102	2	0	1	1
PL.17513	PL.17511	A	6 A (CWC)	7.39Y	123.2	0.02	1.79	10.26	7	74	17	97	0.01	0.0	6.046	0.041	0	0	0	15
PL.17515	PL.17513	A	#2 ACSR	7.39Y	123.2	0.00	1.80	0.93	1	7	2	96	0.00	0.0	6.095	0.050	7	2	1	1
PL.17516	PL.17513	A	6 A (CWC)	7.39Y	123.2	0.03	1.83	9.33	7	67	15	98	0.01	0.0	6.125	0.079	9	2	1	14
PL.17517	PL.17516	A	6 A (CWC)	7.39Y	123.1	0.04	1.86	8.14	6	59	13	98	0.02	0.0	6.225	0.100	0	0	0	13
PL.17518	PL.17517	A	#4 ACSR	7.39Y	123.1	0.03	1.89	8.14	6	59	13	98	0.01	0.0	6.297	0.071	0	0	0	13
PL.17519	PL.17518	A	#4 ACSR	7.39Y	123.1	0.02	1.91	8.14	6	59	13	98	0.01	0.0	6.367	0.070	9	2	2	13
PL.17520	PL.17519	A	#4 ACSR	7.39Y	123.1	0.00	1.92	3.20	2	23	5	98	0.00	0.0	6.419	0.053	23	5	5	5
PL.18110	PL.17519	A	#4 ACSR	7.38Y	123.1	0.01	1.92	3.73	3	27	6	98	0.00	0.0	6.416	0.049	15	3	2	6
PL.18111	PL.18110	A	#4 ACSR	7.38Y	123.1	0.00	1.92	1.68	1	12	3	97	0.00	0.0	6.497	0.081	12	3	1	4
PL.17521	PL.18111	A	#4 ACSR	7.38Y	123.1	0.00	1.92	0.00	0	0	0	100	0.00	0.0	6.543	0.046	0	0	3	3
PL.17506	PL.17504	A	6 A (CWC)	7.41Y	123.4	0.00	1.57	2.18	2	16	4	97	0.00	0.0	5.620	0.058	6	1	1	3
PL.17508	PL.17506	A	#2 ACSR	7.41Y	123.4	0.00	1.57	1.38	1	10	2	98	0.00	0.0	5.669	0.049	10	2	2	2
CP.29	PL.18267	ABC	Cap (300)	7.42Y	123.7	0.00	1.28	0.00	0	0	0	100	0.00	0.0	5.192	0.049	0	0	0	0
PL.18209	PL.17896	A	6 A (CWC)	7.44Y	123.9	0.00	1.06	3.08	2	22	5	98	0.00	0.0	4.987	0.005	0	0	0	7
PD.2697	PL.18209	A	30T	7.44Y	123.9	0.00	1.06	3.08	0	22	5	98	0.00	0.0	4.987	0.005	0	0	0	7
PL.18210	PD.2697	A	6 A (CWC)	7.44Y	123.9	0.01	1.07	3.08	2	22	5	98	0.00	0.0	5.050	0.063	0	0	0	7
PL.17492	PL.18210	A	6 A (CWC)	7.44Y	123.9	0.01	1.08	3.08	2	22	5	98	0.00	0.0	5.143	0.093	2	1	2	7
PL.17493	PL.17492	A	6 A (CWC)	7.43Y	123.9	0.01	1.09	2.75	2	20	5	97	0.00	0.0	5.226	0.083	0	0	0	5
PL.17496	PL.17493	A	6 A (CWC)	7.43Y	123.9	0.00	1.09	0.58	0	4	1	97	0.00	0.0	5.296	0.070	4	1	1	2
PL.17498	PL.17496	A	#2 ACSR	7.43Y	123.9	0.00	1.09	0.00	0	0	0	100	0.00	0.0	5.371	0.075	0	0	0	0

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Balanced Voltage Drop Report
Source: Beattyville

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.17499	PL.17496	A	6 A (CWC)	7.43Y	123.9	0.00	1.09	0.00	0	0	0	100	0.00	0.0	5.372	0.075	0	0	1	1
PL.17494	PL.17493	A	#1/0 ACSR	7.43Y	123.9	0.00	1.09	0.47	0	3	1	95	0.00	0.0	5.251	0.024	3	1	1	1
PL.17495	PL.17493	A	6 A (CWC)	7.43Y	123.9	0.00	1.09	1.70	1	12	3	97	0.00	0.0	5.237	0.011	0	0	1	2
PL.17497	PL.17495	A	6 A (CWC)	7.43Y	123.9	0.00	1.09	1.68	1	12	3	97	0.00	0.0	5.300	0.062	12	3	1	1
PL.17486	PL.17479	C	#4 ACSR	7.37Y	122.9	0.02	2.14	9.30	7	67	15	98	0.01	0.0	4.461	0.057	18	4	2	14
PL.17681	PL.17486	C	#4 ACSR	7.37Y	122.9	0.00	2.14	6.77	5	49	11	98	0.00	0.0	4.465	0.004	0	0	0	12
PD.2665	PL.17681	C	65T	7.37Y	122.9	0.00	2.14	6.77	0	49	11	98	0.00	0.0	4.465	0.004	0	0	0	12
PL.17636	PD.2665	C	#4 ACSR	7.37Y	122.9	0.00	2.14	1.19	1	9	2	98	0.00	0.0	4.504	0.039	9	2	1	1
PL.17889	PD.2665	C	#4 ACSR	7.37Y	122.9	0.00	2.15	5.58	4	40	9	98	0.00	0.0	4.477	0.012	0	0	0	11
PL.17890	PL.17889	C	#4 ACSR	7.37Y	122.9	0.00	2.15	5.58	4	40	9	98	0.00	0.0	4.477	0.000	0	0	0	11
PL.17843	PL.17890	C	#4 ACSR	7.37Y	122.8	0.01	2.15	5.58	4	40	9	98	0.00	0.0	4.512	0.035	10	2	2	11
PL.17844	PL.17843	C	#4 ACSR	7.37Y	122.8	0.01	2.16	4.17	3	30	7	97	0.00	0.0	4.551	0.039	6	1	2	9
PL.17842	PL.17844	C	#4 ACSR	7.37Y	122.8	0.00	2.16	3.33	3	24	5	98	0.00	0.0	4.589	0.038	10	2	4	7
PL.17841	PL.17842	C	#4 ACSR	7.37Y	122.8	0.00	2.17	1.94	1	14	3	98	0.00	0.0	4.629	0.040	14	3	3	3
PL.17091	PL.17478	A	6 A (CWC)	7.38Y	122.9	0.00	2.08	1.48	1	11	2	98	0.00	0.0	4.361	0.005	0	0	0	5
PD.2663	PL.17091	A	65T	7.38Y	122.9	0.00	2.08	1.48	0	11	2	98	0.00	0.0	4.361	0.005	0	0	0	5
PL.17092	PD.2663	A	6 A (CWC)	7.37Y	122.9	0.00	2.09	1.48	1	11	2	98	0.00	0.0	4.425	0.065	11	2	5	5
PL.17090	PL.17474	A	#2 ACSR	7.38Y	123.0	0.00	1.98	1.59	1	11	3	96	0.00	0.0	4.239	0.005	0	0	0	3
PD.2662	PL.17090	A	65T	7.38Y	123.0	0.00	1.98	1.59	0	11	3	96	0.00	0.0	4.239	0.005	0	0	0	3
PL.17089	PD.2662	A	#2 ACSR	7.38Y	123.0	0.00	1.98	1.59	1	11	3	96	0.00	0.0	4.261	0.022	11	3	3	3
CP.27	PL.18263	ABC	Cap (300)	7.39Y	123.1	0.00	1.89	0.00	0	0	0	100	0.00	0.0	4.130	0.022	0	0	0	0
PL.17107	PL.17106	C	6 A (CWC)	7.40Y	123.4	0.00	1.59	2.02	1	15	3	98	0.00	0.0	3.916	0.005	0	0	0	11
PD.2672	PL.17107	C	65T	7.40Y	123.4	0.00	1.59	2.02	0	15	3	98	0.00	0.0	3.916	0.005	0	0	0	11
PL.17108	PD.2672	C	6 A (CWC)	7.40Y	123.4	0.00	1.59	2.02	1	15	3	98	0.00	0.0	3.962	0.047	5	1	2	11
PL.16639	PL.17108	C	6 A (CWC)	7.40Y	123.4	0.00	1.59	0.81	1	6	1	99	0.00	0.0	4.018	0.055	2	1	3	5
PL.17470	PL.16639	C	6 A (CWC)	7.40Y	123.4	0.00	1.59	0.49	0	4	1	97	0.00	0.0	4.080	0.062	0	0	0	2
PL.17471	PL.17470	C	6 A (CWC)	7.40Y	123.4	0.00	1.60	0.49	0	4	1	97	0.00	0.0	4.124	0.044	4	1	2	2
PL.17469	PL.17108	C	6 A (CWC)	7.40Y	123.4	0.00	1.59	0.58	0	4	1	97	0.00	0.0	4.079	0.116	0	0	2	4
PL.18088	PL.17469	C	6 A (CWC)	7.40Y	123.4	0.00	1.60	0.57	0	4	1	97	0.00	0.0	4.161	0.083	0	0	0	2
PL.18089	PL.18088	C	6 A (CWC)	7.40Y	123.4	0.00	1.60	0.57	0	4	1	97	0.00	0.0	4.212	0.050	0	0	0	2
PL.17472	PL.18089	C	6 A (CWC)	7.40Y	123.4	0.00	1.60	0.57	0	4	1	97	0.00	0.0	4.317	0.106	4	1	2	2

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Balanced Voltage Drop Report
Source: Beattyville

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.18115	PL.17472	C	6 A (CWC)	7.40Y	123.4	0.00	1.60	0.00	0	0	0	100	0.00	0.0	4.337	0.020	0	0	0	0
PL.18132	PL.17990	A	6 A (CWC)	7.41Y	123.6	0.00	1.44	8.28	6	60	14	97	0.00	0.0	3.805	0.004	0	0	0	10
PD.2634	PL.18132	A	65T	7.41Y	123.6	0.00	1.44	8.28	0	60	14	97	0.00	0.0	3.805	0.004	0	0	0	10
PL.18133	PD.2634	A	6 A (CWC)	7.41Y	123.6	0.01	1.44	8.28	6	60	14	97	0.00	0.0	3.823	0.017	2	1	1	10
PL.17239	PL.18133	A	6 A (CWC)	7.41Y	123.5	0.01	1.45	7.97	6	58	13	98	0.00	0.0	3.854	0.032	20	5	3	9
PL.17241	PL.17239	A	6 A (CWC)	7.41Y	123.5	0.01	1.46	5.18	4	37	9	97	0.00	0.0	3.892	0.038	10	2	1	6
PL.17242	PL.17241	A	6 A (CWC)	7.41Y	123.5	0.01	1.47	3.79	3	27	6	98	0.00	0.0	3.942	0.049	4	1	1	5
PL.17243	PL.17242	A	#1/0 ACSR	7.41Y	123.5	0.00	1.47	1.23	1	9	2	98	0.00	0.0	3.980	0.038	9	2	1	1
PL.17988	PL.17242	A	6 A (CWC)	7.41Y	123.5	0.00	1.47	1.95	1	14	3	98	0.00	0.0	3.988	0.046	0	0	1	3
PL.17989	PL.17988	A	6 A (CWC)	7.41Y	123.5	0.01	1.48	1.92	1	14	3	98	0.00	0.0	4.051	0.063	0	0	0	2
PL.17244	PL.17989	A	#4 ACSR	7.41Y	123.5	0.00	1.48	1.92	1	14	3	98	0.00	0.0	4.105	0.055	10	2	1	2
PL.17247	PL.17244	A	#4 ACSR	7.41Y	123.5	0.00	1.48	0.54	0	4	1	97	0.00	0.0	4.159	0.054	4	1	1	1
PL.17245	PL.17989	A	#4 ACSR	7.41Y	123.5	0.00	1.48	0.00	0	0	0	100	0.00	0.0	4.060	0.009	0	0	0	0
PL.17246	PL.17245	A	#4 ACSR	7.41Y	123.5	0.00	1.48	0.00	0	0	0	100	0.00	0.0	4.122	0.062	0	0	0	0
PL.18134	PL.18139	C	6 A (CWC)	7.43Y	123.8	0.00	1.23	2.57	2	19	4	98	0.00	0.0	3.664	0.005	0	0	0	4
PD.2635	PL.18134	C	65T	7.43Y	123.8	0.00	1.23	2.57	0	19	4	98	0.00	0.0	3.664	0.005	0	0	0	4
PL.18135	PD.2635	C	6 A (CWC)	7.43Y	123.8	0.01	1.24	2.57	2	19	4	98	0.00	0.0	3.743	0.079	5	1	3	4
PL.17522	PL.18135	C	#2 ACSR	7.43Y	123.8	0.00	1.24	1.82	1	13	3	97	0.00	0.0	3.862	0.119	13	3	1	1
PL.18136	PL.17232	C	#1/0 ACSR	7.43Y	123.8	0.00	1.16	1.24	1	9	2	98	0.00	0.0	3.615	0.005	0	0	0	1
PD.2636	PL.18136	C	65T	7.43Y	123.8	0.00	1.16	1.24	0	9	2	98	0.00	0.0	3.615	0.005	0	0	0	1
PL.18137	PD.2636	C	#1/0 ACSR	7.43Y	123.8	0.00	1.16	1.24	1	9	2	98	0.00	0.0	3.631	0.016	9	2	1	1
PL.18144	PL.17230	A	6 A (CWC)	7.44Y	123.9	0.00	1.07	0.64	0	5	1	98	0.00	0.0	3.552	0.005	0	0	0	1
PD.2639	PL.18144	A	65T	7.44Y	123.9	0.00	1.07	0.64	0	5	1	98	0.00	0.0	3.552	0.005	0	0	0	1
PL.18145	PD.2639	A	6 A (CWC)	7.44Y	123.9	0.00	1.07	0.64	0	5	1	98	0.00	0.0	3.590	0.038	0	0	0	1
PL.17235	PL.18145	A	6 A (CWC)	7.44Y	123.9	0.00	1.07	0.64	0	5	1	98	0.00	0.0	3.611	0.021	0	0	0	1
PL.17236	PL.17235	A	#2 ACSR	7.44Y	123.9	0.00	1.07	0.64	0	5	1	98	0.00	0.0	3.635	0.024	5	1	1	1
PL.17224	PL.17223	ABC	#1/0 ACSR	7.45Y	124.1	0.00	0.90	11.69	5	242	97	93	0.01	0.0	3.447	0.016	6	1	1	22
PL.17225	PL.17224	ABC	#1/0 ACSR	7.45Y	124.1	0.01	0.91	11.40	5	236	96	93	0.02	0.0	3.502	0.054	0	0	0	21
PL.18227	PL.17225	ABC	1/0 AL URD	7.45Y	124.1	0.00	0.91	8.17	5	164	80	90	0.00	0.0	3.506	0.004	0	0	0	2
PD.2707	PL.18227	ABC	65T	7.45Y	124.1	0.00	0.91	8.17	0	164	80	90	0.00	0.0	3.506	0.004	0	0	0	2
PL.18228	PD.2707	ABC	1/0 AL URD	7.45Y	124.1	0.00	0.91	8.17	5	164	80	90	0.00	0.0	3.546	0.040	164	80	2	2

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Balanced Voltage Drop Report
Source: Beattyville

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.18154	PL.17225	A	#4 ACSR	7.45Y	124.1	0.00	0.91	9.88	8	72	16	98	0.00	0.0	3.506	0.005	0	0	0	19
PD.2646	PL.18154	A	65T	7.45Y	124.1	0.00	0.91	9.88	0	72	16	98	0.00	0.0	3.506	0.005	0	0	0	19
PL.18155	PD.2646	A	#4 ACSR	7.44Y	124.1	0.01	0.92	9.88	8	72	16	98	0.01	0.0	3.536	0.030	7	2	1	19
PL.17226	PL.18155	A	#4 ACSR	7.44Y	124.1	0.02	0.94	8.86	7	64	15	97	0.01	0.0	3.593	0.056	14	3	3	18
PL.18021	PL.17226	A	#4 ACSR	7.44Y	124.0	0.01	0.95	6.93	5	50	11	98	0.00	0.0	3.628	0.035	18	4	4	15
PL.18022	PL.18021	A	#4 ACSR	7.44Y	124.0	0.01	0.96	4.46	3	32	7	98	0.00	0.0	3.669	0.041	6	1	3	11
PL.18017	PL.18022	A	#4 ACSR	7.44Y	124.0	0.01	0.96	3.62	3	26	6	97	0.00	0.0	3.709	0.040	6	1	4	8
PL.18018	PL.18017	A	#4 ACSR	7.44Y	124.0	0.00	0.97	2.79	2	20	5	97	0.00	0.0	3.745	0.036	12	3	2	4
PL.17227	PL.18018	A	#4 ACSR	7.44Y	124.0	0.00	0.97	1.15	1	8	2	97	0.00	0.0	3.787	0.042	8	2	1	2
PL.17228	PL.17227	A	#4 ACSR	7.44Y	124.0	0.00	0.97	0.12	0	1	0	100	0.00	0.0	3.816	0.029	0	0	0	1
PL.17229	PL.17228	A	#4 ACSR	7.44Y	124.0	0.00	0.97	0.12	0	1	0	100	0.00	0.0	3.919	0.103	1	0	1	1
PL.18156	PL.17875	C	#2 ACSR	7.45Y	124.2	0.00	0.79	1.10	1	8	2	97	0.00	0.0	3.374	0.005	0	0	0	1
PD.2647	PL.18156	C	65T	7.45Y	124.2	0.00	0.79	1.10	0	8	2	97	0.00	0.0	3.374	0.005	0	0	0	1
PL.18157	PD.2647	C	#2 ACSR	7.45Y	124.2	0.00	0.79	1.10	1	8	2	97	0.00	0.0	3.407	0.033	8	2	1	1
PL.18223	PL.17417	ABC	#1/0 ACSR	7.47Y	124.6	0.00	0.43	0.00	0	0	0	100	0.00	0.0	3.166	0.005	0	0	0	0
PD.2704	PL.18223	ABC	65T	7.47Y	124.6	0.00	0.43	0.00	0	0	0	100	0.00	0.0	3.166	0.005	0	0	0	0
PL.18224	PD.2704	ABC	#1/0 ACSR	7.47Y	124.6	0.00	0.43	0.00	0	0	0	100	0.00	0.0	3.216	0.050	0	0	0	0
PL.17419	PL.18224	ABC	#1/0 ACSR	7.47Y	124.6	0.00	0.43	0.00	0	0	0	100	0.00	0.0	3.252	0.036	0	0	0	0
PL.17379	PL.17377	ABC	6 A (CWC)	7.51Y	125.1	0.03	-0.09	18.05	13	394	101	97	0.11	0.0	2.903	0.049	3	1	1	87
PL.17380	PL.17379	ABC	6 A (CWC)	7.50Y	125.0	0.05	-0.04	17.91	13	391	100	97	0.14	0.0	2.969	0.067	2	1	1	86
PL.17381	PL.17380	ABC	6 A (CWC)	7.50Y	125.0	0.05	0.01	17.79	13	388	99	97	0.15	0.0	3.041	0.072	0	0	0	85
PL.18213	PL.17381	A	6 A (CWC)	7.50Y	125.0	0.00	0.01	4.85	3	35	8	97	0.00	0.0	3.046	0.005	0	0	0	7
PD.2699	PL.18213	A	65T	7.50Y	125.0	0.00	0.01	4.85	0	35	8	97	0.00	0.0	3.046	0.005	0	0	0	7
PL.18214	PD.2699	A	6 A (CWC)	7.50Y	125.0	0.01	0.02	4.85	3	35	8	97	0.00	0.0	3.076	0.030	0	0	0	7
PL.17393	PL.18214	A	6 A (CWC)	7.50Y	125.0	0.02	0.04	4.85	3	35	8	97	0.00	0.0	3.184	0.109	15	3	2	7
PL.17420	PL.17393	A	#4 ACSR	7.50Y	125.0	0.00	0.04	1.56	1	11	3	96	0.00	0.0	3.217	0.033	11	3	1	1
PL.17421	PL.17393	A	6 A (CWC)	7.50Y	125.0	0.00	0.04	1.21	1	9	2	98	0.00	0.0	3.224	0.039	2	1	2	4
PL.17422	PL.17421	A	6 A (CWC)	7.50Y	125.0	0.00	0.04	0.89	1	7	1	99	0.00	0.0	3.242	0.018	6	1	1	2
PL.17423	PL.17422	A	6 A (CWC)	7.50Y	125.0	0.00	0.04	0.01	0	0	0	100	0.00	0.0	3.299	0.058	0	0	1	1
PL.18187	PL.17381	C	6 A (CWC)	7.50Y	125.0	0.00	0.01	2.06	1	15	3	98	0.00	0.0	3.046	0.004	0	0	0	2
PD.2686	PL.18187	C	65T	7.50Y	125.0	0.00	0.01	2.06	0	15	3	98	0.00	0.0	3.046	0.004	0	0	0	2

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

Balanced Voltage Drop Report
Source: Beattyville

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.18188	PD.2686	C	6 A (CWC)	7.50Y	125.0	0.00	0.01	2.06	1	15	3	98	0.00	0.0	3.086	0.040	0	0	0	2
PL.17388	PL.18188	C	6 A (CWC)	7.50Y	125.0	0.01	0.02	2.06	1	15	3	98	0.00	0.0	3.155	0.070	0	0	0	2
PL.18072	PL.17388	C	#4 ACSR	7.50Y	125.0	0.00	0.02	2.06	2	15	3	98	0.00	0.0	3.203	0.048	7	2	1	2
PL.17815	PL.18072	C	#4 ACSR	7.50Y	125.0	0.00	0.03	1.11	1	8	2	97	0.00	0.0	3.261	0.058	8	2	1	1
PL.17389	PL.17815	C	#4 ACSR	7.50Y	125.0	0.00	0.03	0.00	0	0	0	100	0.00	0.0	3.298	0.037	0	0	0	0
PL.17382	PL.17381	ABC	6 A (CWC)	7.50Y	125.0	0.03	0.04	15.49	11	337	88	97	0.07	0.0	3.090	0.049	37	18	3	76
PL.17383	PL.17382	ABC	6 A (CWC)	7.50Y	124.9	0.03	0.06	13.68	10	300	70	97	0.06	0.0	3.138	0.047	0	0	0	73
PL.17384	PL.17383	ABC	6 A (CWC)	7.50Y	124.9	0.00	0.06	0.00	0	0	0	100	0.00	0.0	3.192	0.054	0	0	0	0
PL.17386	PL.17384	ABC	6 A (CWC)	7.50Y	124.9	0.00	0.06	0.00	0	0	0	100	0.00	0.0	3.245	0.053	0	0	0	0
PL.17387	PL.17386	ABC	6 A (CWC)	7.50Y	124.9	0.00	0.06	0.00	0	0	0	100	0.00	0.0	3.254	0.010	0	0	0	0
PL.18255	PL.17383	C	6 A (CWC)	7.49Y	124.9	0.06	0.13	41.05	29	300	70	97	0.14	0.0	3.172	0.034	0	0	0	73
PD.2721	PL.18255	C	70L	7.49Y	124.9	0.00	0.13	41.05	59	300	70	97	0.00	0.0	3.172	0.034	0	0	0	73
PL.18256	PD.2721	C	6 A (CWC)	7.49Y	124.8	0.06	0.18	41.05	29	300	70	97	0.13	0.0	3.203	0.031	0	0	0	73
PL.17385	PL.18256	C	6 A (CWC)	7.48Y	124.6	0.20	0.38	41.05	29	299	69	97	0.44	0.1	3.310	0.107	0	0	1	73
PL.17426	PL.17385	C	6 A (CWC)	7.48Y	124.6	0.00	0.39	1.69	1	12	3	97	0.00	0.0	3.345	0.035	0	0	0	3
PL.17425	PL.17426	C	#2 ACSR	7.48Y	124.6	0.00	0.39	0.74	0	5	1	98	0.00	0.0	3.375	0.029	0	0	0	1
PL.17424	PL.17425	C	#2 ACSR	7.48Y	124.6	0.00	0.39	0.74	0	5	1	98	0.00	0.0	3.402	0.028	5	1	1	1
PL.17427	PL.17426	C	6 A (CWC)	7.48Y	124.6	0.00	0.39	0.96	1	7	2	96	0.00	0.0	3.433	0.088	7	2	2	2
PL.17429	PL.17385	C	6 A (CWC)	7.47Y	124.5	0.13	0.51	37.41	27	272	63	97	0.26	0.1	3.386	0.076	0	0	0	67
PL.17430	PL.17429	C	#4 ACSR	7.47Y	124.5	0.00	0.51	0.74	1	5	1	98	0.00	0.0	3.415	0.029	0	0	0	1
PL.17431	PL.17430	C	#4 ACSR	7.47Y	124.5	0.00	0.51	0.74	1	5	1	98	0.00	0.0	3.524	0.109	5	1	1	1
PL.17661	PL.17429	C	6 A (CWC)	7.46Y	124.3	0.16	0.68	36.67	26	267	62	97	0.32	0.1	3.486	0.100	2	0	1	66
PL.17428	PL.17661	C	6 A (CWC)	7.46Y	124.3	0.00	0.68	0.00	0	0	0	100	0.00	0.0	3.544	0.058	0	0	0	0
PL.17432	PL.17661	C	6 A (CWC)	7.44Y	124.0	0.29	0.96	36.41	26	265	61	97	0.56	0.2	3.662	0.175	3	1	1	65
PL.17433	PL.17432	C	6 A (CWC)	7.44Y	124.0	0.00	0.96	0.00	0	0	0	100	0.00	0.0	3.731	0.069	0	0	0	0
PL.17434	PL.17432	C	6 A (CWC)	7.43Y	123.9	0.18	1.15	35.98	26	261	60	97	0.36	0.1	3.775	0.113	0	0	0	64
PL.17711	PL.17434	C	6 A (CWC)	7.43Y	123.8	0.01	1.15	35.98	26	261	60	97	0.01	0.0	3.780	0.004	0	0	0	64
RG.22	PL.17711	C	76.2 KVA	7.48Y	124.6	-0.78	0.38	35.98	36	261	60	97	percent Boost= 0.00		Tap= 0.0					64
PL.17710	RG.22	C	6 A (CWC)	7.48Y	124.6	0.01	0.39	35.75	26	261	60	97	0.03	0.0	3.788	0.009	0	0	1	64
PL.17447	PL.17710	C	6 A (CWC)	7.47Y	124.6	0.03	0.42	15.21	11	111	25	98	0.03	0.0	3.834	0.046	0	0	0	22
PL.17448	PL.17447	C	6 A (CWC)	7.47Y	124.6	0.00	0.42	1.22	1	9	2	98	0.00	0.0	3.872	0.038	3	1	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: Beattyville

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.17449	PL.17448	C	6 A (CWC)	7.47Y	124.6	0.00	0.42	0.84	1	6	1	99	0.00	0.0	3.937	0.065	6	1	1	1
PL.17458	PL.17449	C	6 A (CWC)	7.47Y	124.6	0.00	0.42	0.00	0	0	0	100	0.00	0.0	3.996	0.059	0	0	0	0
PL.17450	PL.17447	C	6 A (CWC)	7.47Y	124.6	0.03	0.45	13.99	10	102	23	98	0.02	0.0	3.879	0.045	0	0	0	20
PL.17451	PL.17450	C	6 A (CWC)	7.47Y	124.5	0.06	0.51	13.99	10	102	23	98	0.04	0.0	3.969	0.090	0	0	0	20
PL.17452	PL.17451	C	6 A (CWC)	7.47Y	124.4	0.07	0.57	12.65	9	92	21	97	0.04	0.0	4.089	0.120	5	1	1	19
PL.17453	PL.17452	C	#2 ACSR	7.47Y	124.4	0.00	0.58	1.56	1	11	3	96	0.00	0.0	4.197	0.108	11	3	1	1
PL.17456	PL.17452	C	6 A (CWC)	7.46Y	124.4	0.04	0.62	10.37	7	76	17	98	0.02	0.0	4.187	0.098	4	1	1	17
PL.17457	PL.17456	C	6 A (CWC)	7.46Y	124.4	0.02	0.64	9.77	7	71	16	98	0.01	0.0	4.238	0.051	0	0	0	16
PL.17459	PL.17457	C	6 A (CWC)	7.46Y	124.3	0.02	0.66	9.77	7	71	16	98	0.01	0.0	4.294	0.057	7	2	1	16
PL.17460	PL.17459	C	6 A (CWC)	7.46Y	124.3	0.04	0.70	8.79	6	64	15	97	0.02	0.0	4.397	0.103	3	1	1	14
PL.16628	PL.17460	C	6 A (CWC)	7.46Y	124.3	0.03	0.73	8.35	6	61	14	97	0.01	0.0	4.481	0.084	0	0	0	13
PL.16629	PL.16628	C	6 A (CWC)	7.45Y	124.2	0.03	0.76	8.35	6	61	14	97	0.01	0.0	4.552	0.071	0	0	0	13
PL.17662	PL.16629	C	6 A (CWC)	7.45Y	124.2	0.02	0.78	6.77	5	49	11	98	0.01	0.0	4.623	0.071	9	2	1	9
PL.16633	PL.17662	C	6 A (CWC)	7.45Y	124.2	0.00	0.79	5.51	4	40	9	98	0.00	0.0	4.640	0.017	0	0	0	8
PL.16634	PL.16633	C	#2 ACSR	7.45Y	124.2	0.00	0.79	1.05	1	8	2	97	0.00	0.0	4.671	0.031	8	2	2	2
PL.16635	PL.16633	C	6 A (CWC)	7.45Y	124.2	0.01	0.80	4.46	3	32	7	98	0.00	0.0	4.716	0.075	8	2	2	6
PL.16636	PL.16635	C	6 A (CWC)	7.45Y	124.2	0.02	0.81	3.29	2	24	5	98	0.00	0.0	4.820	0.105	1	0	1	4
PL.16637	PL.16636	C	6 A (CWC)	7.45Y	124.2	0.01	0.82	3.12	2	23	5	98	0.00	0.0	4.912	0.092	14	3	2	3
PL.16638	PL.16637	C	#2 ACSR	7.45Y	124.2	0.00	0.82	1.17	1	8	2	97	0.00	0.0	4.960	0.048	8	2	1	1
PL.16630	PL.16629	C	6 A (CWC)	7.45Y	124.2	0.00	0.76	0.35	0	3	1	95	0.00	0.0	4.591	0.039	3	1	2	2
PL.16631	PL.16629	C	#2 ACSR	7.45Y	124.2	0.00	0.76	0.21	0	2	0	100	0.00	0.0	4.588	0.037	2	0	1	1
PL.16632	PL.16629	C	6 A (CWC)	7.45Y	124.2	0.00	0.76	1.03	1	7	2	96	0.00	0.0	4.632	0.081	7	2	1	1
PL.17848	PL.17459	C	#2 ACSR	7.46Y	124.3	0.00	0.66	0.05	0	0	0	100	0.00	0.0	4.325	0.030	0	0	1	1
PL.17849	PL.17848	C	#2 ACSR	7.46Y	124.3	0.00	0.66	0.00	0	0	0	100	0.00	0.0	4.411	0.087	0	0	0	0
PL.17454	PL.17451	C	6 A (CWC)	7.47Y	124.5	0.01	0.51	1.34	1	10	2	98	0.00	0.0	4.058	0.089	0	0	0	1
PL.17455	PL.17454	C	#2 ACSR	7.47Y	124.5	0.00	0.51	1.34	1	10	2	98	0.00	0.0	4.211	0.154	10	2	1	1
PL.17436	PL.17710	C	6 A (CWC)	7.47Y	124.5	0.09	0.48	20.49	15	149	34	97	0.10	0.1	3.890	0.102	0	0	0	41
PL.17437	PL.17436	C	6 A (CWC)	7.47Y	124.4	0.07	0.55	20.06	14	146	34	97	0.08	0.1	3.967	0.077	0	0	0	40
PL.17878	PL.17437	C	6 A (CWC)	7.47Y	124.4	0.01	0.56	2.59	2	19	4	98	0.00	0.0	4.065	0.098	12	3	5	7
PL.17439	PL.17878	C	#2 ACSR	7.47Y	124.4	0.00	0.56	0.50	0	4	1	97	0.00	0.0	4.089	0.024	4	1	1	1
PL.17879	PL.17878	C	6 A (CWC)	7.47Y	124.4	0.00	0.56	0.41	0	3	1	95	0.00	0.0	4.129	0.064	3	1	1	1

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

Balanced Voltage Drop Report
Source: Beattyville

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.17440	PL.17437	C	6 A (CWC)	7.46Y	124.3	0.14	0.69	17.47	12	127	29	97	0.13	0.1	4.144	0.178	0	0	1	33
PL.17442	PL.17440	C	6 A (CWC)	7.45Y	124.2	0.09	0.79	16.57	12	120	28	97	0.08	0.1	4.268	0.124	0	0	0	30
PL.17444	PL.17442	C	6 A (CWC)	7.45Y	124.1	0.09	0.87	16.57	12	120	28	97	0.08	0.1	4.386	0.118	1	0	1	30
PL.18171	PL.17444	C	#1/0 ACSR	7.45Y	124.1	0.00	0.87	0.13	0	1	0	100	0.00	0.0	4.390	0.004	0	0	0	1
PD.2654	PL.18171	C	15T	7.45Y	124.1	0.00	0.87	0.13	0	1	0	100	0.00	0.0	4.390	0.004	0	0	0	1
PL.18170	PD.2654	C	#1/0 ACSR	7.45Y	124.1	0.00	0.87	0.13	0	1	0	100	0.00	0.0	4.420	0.030	1	0	1	1
PL.17445	PL.17444	C	6 A (CWC)	7.44Y	124.0	0.11	0.99	16.27	12	118	27	97	0.10	0.1	4.542	0.157	0	0	0	28
PL.17446	PL.17445	C	#2 ACSR	7.44Y	124.0	0.02	1.00	16.27	9	118	27	97	0.01	0.0	4.574	0.032	0	0	0	28
PL.17467	PL.17446	C	#2 ACSR	7.44Y	123.9	0.07	1.07	16.27	9	118	27	97	0.06	0.1	4.714	0.140	0	0	0	28
PL.16601	PL.17467	C	#2 ACSR	7.44Y	123.9	0.00	1.07	0.00	0	0	0	100	0.00	0.0	4.777	0.063	0	0	0	0
PL.17468	PL.17467	C	#2 ACSR	7.43Y	123.9	0.06	1.14	16.27	9	118	27	97	0.05	0.0	4.843	0.129	11	3	1	28
PL.16602	PL.17468	C	#2 ACSR	7.43Y	123.8	0.03	1.17	14.75	8	107	24	98	0.03	0.0	4.921	0.078	9	2	2	27
PL.16603	PL.16602	C	#2 ACSR	7.43Y	123.8	0.02	1.19	13.50	8	98	22	98	0.02	0.0	4.979	0.058	2	1	1	25
PL.16604	PL.16603	C	#2/0 ACSR	7.43Y	123.8	0.00	1.19	0.00	0	0	0	100	0.00	0.0	5.025	0.046	0	0	1	1
PL.16605	PL.16603	C	#2/0 ACSR	7.43Y	123.8	0.00	1.19	1.48	1	11	2	98	0.00	0.0	4.996	0.017	11	2	1	1
PL.16606	PL.16603	C	#2 ACSR	7.43Y	123.8	0.01	1.21	11.70	7	85	19	98	0.01	0.0	5.018	0.038	0	0	0	22
PL.18068	PL.16606	C	#2 ACSR	7.43Y	123.8	0.00	1.21	1.39	1	10	2	98	0.00	0.0	5.069	0.052	0	0	1	2
PL.18069	PL.18068	C	#2 ACSR	7.43Y	123.8	0.00	1.21	1.33	1	10	2	98	0.00	0.0	5.086	0.017	10	2	1	1
PL.16607	PL.18069	C	#2 ACSR	7.43Y	123.8	0.00	1.21	0.00	0	0	0	100	0.00	0.0	5.243	0.157	0	0	0	0
PL.16609	PL.16607	C	#2 ACSR	7.43Y	123.8	0.00	1.21	0.00	0	0	0	100	0.00	0.0	5.358	0.115	0	0	0	0
PL.18066	PL.16606	C	#2 ACSR	7.43Y	123.8	0.02	1.23	10.32	6	75	17	98	0.01	0.0	5.090	0.073	1	0	1	20
PL.18067	PL.18066	C	#2 ACSR	7.42Y	123.7	0.04	1.27	10.23	6	74	17	97	0.02	0.0	5.221	0.131	14	3	1	19
PL.16608	PL.18067	C	#2 ACSR	7.42Y	123.7	0.01	1.28	8.28	5	60	14	97	0.00	0.0	5.261	0.040	8	2	1	18
OH15	PL.16608	C	#1/0 ACSR	7.42Y	123.7	0.05	1.33	7.13	3	52	12	97	0.02	0.0	5.580	0.319	0	0	0	17
PL.18120	OH15	C	6 A (CWC)	7.42Y	123.6	0.03	1.36	7.13	5	52	12	97	0.01	0.0	5.672	0.091	5	1	1	17
PL.18015	PL.18120	C	6 A (CWC)	7.42Y	123.6	0.03	1.39	6.39	5	46	11	97	0.01	0.0	5.774	0.102	7	2	1	16
PL.18016	PL.18015	C	6 A (CWC)	7.42Y	123.6	0.01	1.40	5.38	4	39	9	97	0.00	0.0	5.817	0.043	0	0	0	15
PL.17188	PL.18016	C	6 A (CWC)	7.42Y	123.6	0.00	1.40	0.54	0	4	1	97	0.00	0.0	5.937	0.120	0	0	0	2
PL.18013	PL.17188	C	6 A (CWC)	7.42Y	123.6	0.00	1.40	0.54	0	4	1	97	0.00	0.0	6.023	0.086	0	0	0	2
PL.18014	PL.18013	C	6 A (CWC)	7.42Y	123.6	0.00	1.40	0.54	0	4	1	97	0.00	0.0	6.157	0.134	4	1	2	2
PL.17189	PL.18016	C	6 A (CWC)	7.41Y	123.6	0.02	1.42	4.84	3	35	8	97	0.01	0.0	5.921	0.104	0	0	0	13

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

Balanced Voltage Drop Report
Source: Beattyville

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.17883	PL.17189	C	#2 ACSR	7.41Y	123.6	0.00	1.42	0.99	1	7	2	96	0.00	0.0	5.995	0.074	7	2	1	1
PL.17191	PL.17883	C	#2 ACSR	7.41Y	123.6	0.00	1.42	0.00	0	0	0	100	0.00	0.0	6.016	0.021	0	0	0	0
PL.17192	PL.17191	C	#2 ACSR	7.41Y	123.6	0.00	1.42	0.00	0	0	0	100	0.00	0.0	6.053	0.037	0	0	0	0
PL.17884	PL.17883	C	#2 ACSR	7.41Y	123.6	0.00	1.42	0.00	0	0	0	100	0.00	0.0	6.044	0.049	0	0	0	0
PL.17190	PL.17189	C	6 A (CWC)	7.41Y	123.6	0.01	1.43	3.85	3	28	6	98	0.00	0.0	5.986	0.065	0	0	0	12
PL.17193	PL.17190	C	6 A (CWC)	7.41Y	123.5	0.03	1.46	3.85	3	28	6	98	0.01	0.0	6.171	0.185	0	0	0	12
PL.17729	PL.17193	C	6 A (CWC)	7.41Y	123.5	0.01	1.48	3.85	3	28	6	98	0.00	0.0	6.255	0.084	0	0	0	12
PL.17196	PL.17729	C	6 A (CWC)	7.41Y	123.5	0.01	1.49	3.85	3	28	6	98	0.00	0.0	6.324	0.069	0	0	0	12
PL.17658	PL.17196	C	6 A (CWC)	7.41Y	123.5	0.00	1.49	1.13	1	8	2	97	0.00	0.0	6.380	0.056	0	0	0	3
PL.17194	PL.17658	C	#4 ACSR	7.41Y	123.5	0.00	1.49	0.47	0	3	1	95	0.00	0.0	6.450	0.070	3	1	1	1
PL.17195	PL.17658	C	6 A (CWC)	7.41Y	123.5	0.00	1.49	0.66	0	5	1	98	0.00	0.0	6.389	0.009	5	1	2	2
PL.17197	PL.17196	C	6 A (CWC)	7.41Y	123.5	0.02	1.51	2.71	2	20	4	98	0.00	0.0	6.463	0.139	0	0	0	9
PL.17877	PL.17197	C	6 A (CWC)	7.41Y	123.5	0.01	1.52	2.71	2	20	4	98	0.00	0.0	6.582	0.118	3	1	1	9
PL.18028	PL.17877	C	6 A (CWC)	7.41Y	123.5	0.00	1.52	0.79	1	6	1	99	0.00	0.0	6.668	0.087	0	0	0	6
PL.18029	PL.18028	C	6 A (CWC)	7.41Y	123.5	0.00	1.52	0.79	1	6	1	99	0.00	0.0	6.709	0.040	0	0	0	6
PL.17198	PL.18029	C	6 A (CWC)	7.41Y	123.5	0.00	1.53	0.79	1	6	1	99	0.00	0.0	6.757	0.048	0	0	0	6
PL.17199	PL.17198	C	6 A (CWC)	7.41Y	123.5	0.00	1.53	0.21	0	2	0	100	0.00	0.0	6.814	0.057	2	0	1	2
PL.17200	PL.17199	C	#4 ACSR	7.41Y	123.5	0.00	1.53	0.00	0	0	0	100	0.00	0.0	6.869	0.056	0	0	1	1
PL.17709	PL.17198	C	6 A (CWC)	7.41Y	123.5	0.00	1.53	0.57	0	4	1	97	0.00	0.0	6.871	0.114	0	0	0	4
PL.17208	PL.17709	C	6 A (CWC)	7.41Y	123.5	0.00	1.53	0.57	0	4	1	97	0.00	0.0	6.999	0.128	0	0	0	4
PL.17731	PL.17208	C	6 A (CWC)	7.41Y	123.5	0.00	1.53	0.57	0	4	1	97	0.00	0.0	7.081	0.082	1	0	1	4
PL.17209	PL.17731	C	6 A (CWC)	7.41Y	123.5	0.00	1.53	0.00	0	0	0	100	0.00	0.0	7.227	0.146	0	0	0	2
PL.17211	PL.17209	C	#4 ACSR	7.41Y	123.5	0.00	1.53	0.00	0	0	0	100	0.00	0.0	7.416	0.189	0	0	2	2
PL.17210	PL.17731	C	6 A (CWC)	7.41Y	123.5	0.00	1.54	0.44	0	3	1	95	0.00	0.0	7.187	0.107	0	0	0	1
PL.17214	PL.17210	C	6 A (CWC)	7.41Y	123.5	0.00	1.54	0.44	0	3	1	95	0.00	0.0	7.342	0.155	0	0	0	1
PL.17215	PL.17214	C	6 A (CWC)	7.41Y	123.5	0.00	1.54	0.00	0	0	0	100	0.00	0.0	7.440	0.098	0	0	0	0
PL.17216	PL.17214	C	6 A (CWC)	7.41Y	123.5	0.00	1.54	0.44	0	3	1	95	0.00	0.0	7.425	0.083	3	1	1	1
PL.17730	PL.17877	C	6 A (CWC)	7.41Y	123.5	0.01	1.53	1.52	1	11	3	96	0.00	0.0	6.730	0.149	0	0	0	2
PL.17207	PL.17730	C	6 A (CWC)	7.41Y	123.5	0.00	1.53	1.52	1	11	3	96	0.00	0.0	6.784	0.054	0	0	0	2
PL.17206	PL.17207	C	6 A (CWC)	7.41Y	123.5	0.00	1.54	1.52	1	11	3	96	0.00	0.0	6.829	0.044	0	0	0	2
PL.17205	PL.17206	C	6 A (CWC)	7.41Y	123.5	0.01	1.54	1.52	1	11	3	96	0.00	0.0	6.925	0.097	0	0	0	2

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

Balanced Voltage Drop Report
Source: Beattyville

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.17203	PL.17205	C	6 A (CWC)	7.41Y	123.5	0.00	1.55	1.52	1	11	3	96	0.00	0.0	6.996	0.071	0	0	0	2
PL.17201	PL.17203	C	#1/0 ACSR	7.41Y	123.5	0.00	1.55	1.10	0	8	2	97	0.00	0.0	7.119	0.123	8	2	1	1
PL.17202	PL.17203	C	6 A (CWC)	7.41Y	123.5	0.00	1.55	0.42	0	3	1	95	0.00	0.0	7.015	0.018	3	1	1	1
PL.17204	PL.17205	C	#1/0 ACSR	7.41Y	123.5	0.00	1.54	0.00	0	0	0	100	0.00	0.0	6.961	0.036	0	0	0	0
PL.17443	PL.17440	C	6 A (CWC)	7.46Y	124.3	0.00	0.69	0.24	0	2	0	100	0.00	0.0	4.266	0.122	0	0	0	1
PL.18070	PL.17443	C	#4 ACSR	7.46Y	124.3	0.00	0.69	0.24	0	2	0	100	0.00	0.0	4.287	0.021	0	0	0	1
PL.18071	PL.18070	C	#4 ACSR	7.46Y	124.3	0.00	0.70	0.24	0	2	0	100	0.00	0.0	4.340	0.054	2	0	1	1
PL.17441	PL.17440	C	#4 ACSR	7.46Y	124.3	0.00	0.69	0.65	1	5	1	98	0.00	0.0	4.235	0.091	5	1	1	1
PL.17435	PL.17436	C	#4 ACSR	7.47Y	124.5	0.00	0.48	0.43	0	3	1	95	0.00	0.0	3.952	0.062	3	1	1	1
PL.17438	PL.17435	C	#4 ACSR	7.47Y	124.5	0.00	0.48	0.00	0	0	0	100	0.00	0.0	4.017	0.065	0	0	0	0
PL.17850	PL.17385	C	#2 ACSR	7.48Y	124.6	0.00	0.38	1.95	1	14	3	98	0.00	0.0	3.331	0.021	0	0	1	2
PL.17851	PL.17850	C	#2 ACSR	7.48Y	124.6	0.00	0.39	1.93	1	14	3	98	0.00	0.0	3.418	0.087	14	3	1	1
PL.18203	PL.17368	A	6 A (CWC)	7.13Y	118.8	0.00	6.18	1.34	1	9	2	98	0.00	0.0	2.518	0.005	0	0	0	2
PD.2694	PL.18203	A	65T	7.13Y	118.8	0.00	6.18	1.34	0	9	2	98	0.00	0.0	2.518	0.005	0	0	0	2
PL.18204	PD.2694	A	6 A (CWC)	7.13Y	118.8	0.00	6.18	1.34	1	9	2	98	0.00	0.0	2.575	0.057	3	1	1	2
PL.17371	PL.18204	A	#1/0 ACSR	7.13Y	118.8	0.00	6.18	0.89	0	6	1	99	0.00	0.0	2.600	0.025	6	1	1	1
PL.17056	PL.17714	A	6 A (CWC)	7.40Y	123.3	0.00	1.72	0.57	0	4	1	97	0.00	0.0	0.730	0.048	4	1	1	1
OH11	PL.17054	A	#1/0 ACSR	7.44Y	123.9	0.06	1.07	11.36	5	82	19	97	0.03	0.0	0.630	0.236	0	0	0	17
PL.17075	OH11	A	#4 ACSR	7.43Y	123.9	0.03	1.10	9.97	8	72	17	97	0.02	0.0	0.705	0.074	5	1	1	16
PL.17076	PL.17075	A	#4 ACSR	7.43Y	123.9	0.03	1.13	9.29	7	67	15	98	0.01	0.0	0.773	0.068	0	0	0	15
PL.17727	PL.17076	A	#4 ACSR	7.43Y	123.8	0.07	1.20	9.29	7	67	15	98	0.04	0.1	0.956	0.183	0	0	0	15
PL.17077	PL.17727	A	#4 ACSR	7.43Y	123.8	0.04	1.24	9.29	7	67	15	98	0.02	0.0	1.051	0.096	1	0	1	15
PL.17726	PL.17077	A	#4 ACSR	7.42Y	123.7	0.05	1.30	9.12	7	66	15	98	0.03	0.0	1.183	0.132	0	0	0	14
PL.17078	PL.17726	A	6 A (CWC)	7.42Y	123.7	0.03	1.33	9.12	7	66	15	98	0.02	0.0	1.259	0.076	0	0	0	14
PL.17079	PL.17078	A	6 A (CWC)	7.42Y	123.7	0.01	1.34	9.12	7	66	15	98	0.01	0.0	1.289	0.030	4	1	2	14
PL.17080	PL.17079	A	6 A (CWC)	7.42Y	123.6	0.04	1.38	8.52	6	62	14	98	0.02	0.0	1.390	0.101	3	1	1	12
PL.17801	PL.17080	A	6 A (CWC)	7.42Y	123.6	0.03	1.41	8.12	6	59	13	98	0.01	0.0	1.491	0.100	9	2	2	11
PL.17081	PL.17801	A	6 A (CWC)	7.41Y	123.6	0.01	1.42	1.68	1	12	3	97	0.00	0.0	1.612	0.121	1	0	1	2
PL.17181	PL.17081	A	#1/0 ACSR	7.41Y	123.6	0.00	1.42	0.00	0	0	0	100	0.00	0.0	1.650	0.038	0	0	0	0
PL.17182	PL.17081	A	6 A (CWC)	7.41Y	123.6	0.00	1.42	1.53	1	11	3	96	0.00	0.0	1.698	0.086	11	3	1	1
PL.17802	PL.17801	A	6 A (CWC)	7.41Y	123.6	0.01	1.42	5.25	4	38	9	97	0.00	0.0	1.535	0.045	15	3	2	7

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Balanced Voltage Drop Report
Source: Beattyville

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.17082	PL.17802	A	6 A (CWC)	7.41Y	123.6	0.01	1.43	1.77	1	13	3	97	0.00	0.0	1.641	0.106	0	0	0	4
PL.17725	PL.17082	A	6 A (CWC)	7.41Y	123.6	0.01	1.44	1.77	1	13	3	97	0.00	0.0	1.746	0.105	0	0	0	4
PL.17085	PL.17725	A	6 A (CWC)	7.41Y	123.6	0.01	1.44	1.77	1	13	3	97	0.00	0.0	1.853	0.106	0	0	0	4
PL.17086	PL.17085	A	6 A (CWC)	7.41Y	123.6	0.00	1.45	1.01	1	7	2	96	0.00	0.0	1.920	0.068	3	1	1	2
PL.17723	PL.17086	A	6 A (CWC)	7.41Y	123.6	0.00	1.45	0.63	0	5	1	98	0.00	0.0	2.002	0.081	0	0	0	1
PL.17796	PL.17723	A	6 A (CWC)	7.41Y	123.5	0.00	1.45	0.63	0	5	1	98	0.00	0.0	2.131	0.130	0	0	0	1
PL.17179	PL.17796	A	6 A (CWC)	7.41Y	123.5	0.00	1.45	0.63	0	5	1	98	0.00	0.0	2.287	0.155	5	1	1	1
PL.17087	PL.17085	A	#1/0 ACSR	7.41Y	123.6	0.00	1.44	0.76	0	5	1	98	0.00	0.0	1.940	0.087	5	1	2	2
PL.17083	PL.17802	A	#1/0 ACSR	7.41Y	123.6	0.00	1.42	1.43	1	10	2	98	0.00	0.0	1.551	0.016	10	2	1	1
PL.17074	OH11	A	#4 ACSR	7.44Y	123.9	0.00	1.07	1.40	1	10	2	98	0.00	0.0	0.671	0.040	10	2	1	1
PL.18160	PL.17053	C	#2 ACSR	7.46Y	124.3	0.00	0.72	0.50	0	4	1	97	0.00	0.0	0.285	0.005	0	0	0	2
PD.2649	PL.18160	C	65T	7.46Y	124.3	0.00	0.72	0.50	0	4	1	97	0.00	0.0	0.285	0.005	0	0	0	2
PL.18161	PD.2649	C	#2 ACSR	7.46Y	124.3	0.00	0.72	0.50	0	4	1	97	0.00	0.0	0.324	0.039	4	1	2	2
PL.18988	Beattyville	ABC	336 MCM AC	7.50Y	125.0	0.01	0.01	170.60	33	3658	1162	95	0.13	0.0	0.005	0.005	0	0	0	731
PL.72512	PL.18988	ABC	336 MCM AC	7.50Y	125.0	0.01	0.01	170.60	33	3658	1162	95	0.10	0.0	0.009	0.004	0	0	0	731
---------- Feeder No. 4 (Bear Track F4) Beginning with Device PD.10792 ----------																				
PD.10792	PL.72512	ABC	480VWE	7.50Y	125.0	0.00	0.01	170.60	0	3658	1162	95	0.00	0.0	0.009	0.004	0	0	0	731
PL.72513	PD.10792	ABC	336 MCM AC	7.50Y	125.0	0.02	0.04	170.60	33	3658	1162	95	0.45	0.0	0.028	0.019	0	0	0	731
PL.18526	PL.72513	ABC	336 MCM AC	7.48Y	124.7	0.22	0.25	170.60	33	3658	1161	95	3.99	0.1	0.191	0.163	0	0	0	731
PL.18972	PL.18526	ABC	336 MCM AC	7.48Y	124.6	0.11	0.36	170.60	33	3654	1151	95	2.01	0.1	0.273	0.082	0	0	0	731
PD.2832-A	PL.18972	ABC	Closed	7.48Y	124.6	0.00	0.36	170.60	0	3652	1147	95	0.00	0.0	0.273	0.082	0	0	0	731
PD.2832-B	PD.2832-A	ABC	Closed	7.48Y	124.6	0.00	0.36	170.60	0	3652	1147	95	0.00	0.0	0.273	0.082	0	0	0	731
PL.18973	PD.2832-B	ABC	336 MCM AC	7.48Y	124.6	0.01	0.37	170.60	33	3652	1147	95	0.14	0.0	0.279	0.006	0	0	0	731
PL.18956	PL.18973	ABC	#2 ACSR	7.48Y	124.6	0.00	0.37	0.60	0	12	6	89	0.00	0.0	0.283	0.005	0	0	0	1
PD.2822	PL.18956	ABC	65T	7.48Y	124.6	0.00	0.37	0.60	0	12	6	89	0.00	0.0	0.283	0.005	0	0	0	1
PL.18957	PD.2822	ABC	#2 ACSR	7.48Y	124.6	0.00	0.37	0.60	0	12	6	89	0.00	0.0	0.344	0.061	12	6	1	1
PL.18505	PL.18973	ABC	336 MCM AC	7.47Y	124.6	0.05	0.42	170.01	33	3640	1140	95	0.91	0.0	0.316	0.037	0	0	0	730
PL.18586	PL.18505	ABC	336 MCM AC	7.47Y	124.5	0.06	0.47	169.54	33	3628	1136	95	1.02	0.0	0.358	0.042	3	1	2	728
PL.18587	PL.18586	ABC	336 MCM AC	7.47Y	124.5	0.07	0.54	169.41	33	3624	1133	95	1.29	0.0	0.412	0.054	4	1	1	726

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Balanced Voltage Drop Report
Source: Beattyville

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.18588	PL.18587	ABC	336 MCM AC	7.47Y	124.4	0.04	0.58	169.23	33	3619	1129	95	0.68	0.0	0.440	0.028	6	1	1	725
PL.18589	PL.18588	ABC	336 MCM AC	7.46Y	124.3	0.08	0.66	168.97	33	3613	1126	95	1.46	0.0	0.500	0.061	7	2	1	724
PL.18904	PL.18589	A	#4 ACSR	7.46Y	124.3	0.00	0.66	4.59	4	33	8	97	0.00	0.0	0.505	0.005	0	0	0	6
PD.2794	PL.18904	A	65T	7.46Y	124.3	0.00	0.66	4.59	0	33	8	97	0.00	0.0	0.505	0.005	0	0	0	6
PL.18905	PD.2794	A	#4 ACSR	7.46Y	124.3	0.01	0.67	4.59	4	33	8	97	0.00	0.0	0.535	0.030	5	1	1	6
PL.18585	PL.18905	A	#4 ACSR	7.46Y	124.3	0.01	0.68	3.91	3	28	6	98	0.00	0.0	0.602	0.067	0	0	0	5
PL.18504	PL.18585	A	#4 ACSR	7.46Y	124.3	0.01	0.69	3.27	3	24	5	98	0.00	0.0	0.720	0.118	24	5	3	3
PL.18270	PL.18585	A	#4 ACSR	7.46Y	124.3	0.00	0.68	0.64	0	5	1	98	0.00	0.0	0.634	0.032	5	1	2	2
PL.18582	PL.18589	ABC	336 MCM AC	7.46Y	124.3	0.08	0.74	166.40	32	3555	1110	95	1.45	0.0	0.563	0.063	21	5	7	714
PL.18906	PL.18582	A	#4 ACSR	7.46Y	124.3	0.00	0.74	1.41	1	10	2	98	0.00	0.0	0.568	0.005	0	0	0	4
PD.2795	PL.18906	A	65T	7.46Y	124.3	0.00	0.74	1.41	0	10	2	98	0.00	0.0	0.568	0.005	0	0	0	4
PL.18907	PD.2795	A	#4 ACSR	7.46Y	124.3	0.00	0.74	1.41	1	10	2	98	0.00	0.0	0.612	0.045	10	2	4	4
PL.18581	PL.18582	ABC	336 MCM AC	7.44Y	124.0	0.25	0.99	164.98	32	3522	1099	95	4.56	0.1	0.762	0.199	0	0	0	703
PL.18527	PL.18581	ABC	336 MCM AC	7.43Y	123.9	0.14	1.13	164.98	32	3518	1089	96	2.51	0.1	0.871	0.109	0	0	0	703
PL.18503	PL.18527	ABC	336 MCM AC	7.43Y	123.8	0.07	1.20	161.44	31	3443	1049	96	1.30	0.0	0.931	0.059	0	0	0	701
PL.18952	PL.18503	ABC	#4 ACSR	7.43Y	123.8	0.00	1.21	8.14	6	163	79	90	0.00	0.0	0.935	0.005	0	0	0	0
PD.2820	PL.18952	ABC	65T	7.43Y	123.8	0.00	1.21	8.14	0	163	79	90	0.00	0.0	0.935	0.005	0	0	0	0
PL.18953	PD.2820	ABC	#4 ACSR	7.43Y	123.8	0.00	1.21	8.14	6	163	79	90	0.00	0.0	0.957	0.022	163	79	0	0
PL.66169	PL.18953	ABC	#4 ACSR	7.43Y	123.8	0.00	1.21	0.00	0	0	0	100	0.00	0.0	1.065	0.108	0	0	0	0
PL.18579	PL.18503	ABC	336 MCM AC	7.42Y	123.7	0.06	1.27	153.41	30	3279	967	96	1.07	0.0	0.985	0.054	5	1	2	701
PL.18580	PL.18579	ABC	336 MCM AC	7.42Y	123.7	0.02	1.29	152.41	29	3256	960	96	0.34	0.0	1.002	0.017	0	0	0	693
PL.18276	PL.18580	ABC	336 MCM AC	7.42Y	123.7	0.01	1.30	152.41	29	3256	959	96	0.14	0.0	1.009	0.007	0	0	0	693
PL.18984	PL.18276	ABC	336 MCM AC	7.42Y	123.7	0.01	1.31	67.27	13	1418	481	95	0.08	0.0	1.031	0.021	0	0	0	281
PD.2838	PL.18984	ABC	100L	7.42Y	123.7	0.00	1.31	67.27	67	1418	481	95	0.00	0.0	1.031	0.021	0	0	0	281
PL.18985	PD.2838	ABC	336 MCM AC	7.42Y	123.7	0.02	1.32	67.27	13	1418	481	95	0.11	0.0	1.060	0.029	3	1	2	281
PL.18748	PL.18985	ABC	336 MCM AC	7.42Y	123.6	0.03	1.35	67.12	13	1415	480	95	0.22	0.0	1.119	0.060	30	12	2	279
PL.18749	PL.18748	ABC	336 MCM AC	7.42Y	123.6	0.03	1.38	65.67	13	1385	467	95	0.18	0.0	1.167	0.048	0	0	0	277
PL.18633	PL.18749	ABC	336 MCM AC	7.42Y	123.6	0.01	1.38	56.15	11	1190	380	95	0.03	0.0	1.180	0.012	11	2	2	269
PL.18634	PL.18633	ABC	336 MCM AC	7.42Y	123.6	0.03	1.41	55.66	11	1179	378	95	0.15	0.0	1.239	0.059	5	1	1	267
PL.18631	PL.18634	ABC	336 MCM AC	7.41Y	123.6	0.04	1.45	55.43	11	1174	376	95	0.21	0.0	1.322	0.083	18	4	3	266
PL.18950	PL.18631	ABC	#1/0 ACSR	7.41Y	123.6	0.00	1.45	15.29	7	332	76	97	0.00	0.0	1.326	0.005	0	0	0	175

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: Beattyville

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.2819	PL.18950	ABC	30T	7.41Y	123.6	0.00	1.45	15.29	0	332	76	97	0.00	0.0	1.326	0.005	0	0	0	175
PL.18951	PD.2819	ABC	#1/0 ACSR	7.41Y	123.5	0.01	1.45	15.29	7	332	76	97	0.01	0.0	1.346	0.019	3	1	1	175
PL.18630	PL.18951	ABC	#1/0 ACSR	7.41Y	123.5	0.00	1.45	15.18	7	329	75	97	0.01	0.0	1.359	0.013	43	10	13	174
PL.18625	PL.18630	ABC	#1/0 ACSR	7.41Y	123.5	0.01	1.46	12.31	5	267	61	97	0.01	0.0	1.397	0.038	46	11	27	148
PL.18626	PL.18625	ABC	#1/0 ACSR	7.41Y	123.5	0.00	1.47	10.18	4	221	50	98	0.00	0.0	1.414	0.018	11	2	7	121
PL.18621	PL.18626	C	#4 ACSR	7.41Y	123.5	0.01	1.48	13.67	11	99	23	97	0.01	0.0	1.438	0.023	23	5	1	49
PL.18622	PL.18621	C	#4 ACSR	7.41Y	123.5	0.03	1.50	10.52	8	76	17	98	0.01	0.0	1.499	0.061	8	2	5	48
PL.18616	PL.18622	C	#4 ACSR	7.41Y	123.5	0.00	1.51	9.48	7	68	16	97	0.00	0.0	1.513	0.014	20	5	17	43
PL.18619	PL.18616	C	#4 ACSR	7.41Y	123.5	0.00	1.51	6.69	5	48	11	97	0.00	0.0	1.531	0.018	29	7	19	26
PL.18620	PL.18619	C	#4 ACSR	7.41Y	123.5	0.00	1.51	2.68	2	19	4	98	0.00	0.0	1.544	0.013	19	4	7	7
PL.18623	PL.18626	A	#4 ACSR	7.41Y	123.5	0.01	1.47	15.39	12	111	25	98	0.01	0.0	1.429	0.015	22	5	21	65
PL.18627	PL.18623	A	#4 ACSR	7.41Y	123.5	0.01	1.48	12.37	10	89	20	98	0.00	0.0	1.446	0.017	27	6	14	44
PL.18628	PL.18627	A	#4 ACSR	7.41Y	123.5	0.01	1.49	8.69	7	63	14	98	0.00	0.0	1.468	0.022	14	3	6	30
PL.18629	PL.18628	A	#4 ACSR	7.41Y	123.5	0.00	1.49	6.82	5	49	11	98	0.00	0.0	1.487	0.020	19	4	8	24
PL.18624	PL.18629	A	#4 ACSR	7.41Y	123.5	0.00	1.50	4.22	3	31	7	98	0.00	0.0	1.512	0.025	31	7	16	16
PL.18272	PL.18630	A	#1/0 ACSR	7.41Y	123.5	0.00	1.46	2.65	1	19	4	98	0.00	0.0	1.372	0.013	19	4	13	13
PL.18617	PL.18631	ABC	336 MCM AC	7.41Y	123.5	0.02	1.47	39.38	8	824	296	94	0.10	0.0	1.395	0.073	0	0	1	88
PL.18618	PL.18617	ABC	336 MCM AC	7.41Y	123.5	0.04	1.51	39.38	8	824	296	94	0.16	0.0	1.515	0.120	0	0	0	87
PL.18528	PL.18618	ABC	336 MCM AC	7.41Y	123.4	0.04	1.55	39.38	8	824	295	94	0.18	0.0	1.654	0.139	0	0	0	87
PL.18802	PL.18528	C	1/0 AL URD	7.41Y	123.4	0.00	1.55	7.24	4	52	12	97	0.00	0.0	1.658	0.005	0	0	0	11
PD.2741	PL.18802	C	30T	7.41Y	123.4	0.00	1.55	7.24	0	52	12	97	0.00	0.0	1.658	0.005	0	0	0	11
PL.18803	PD.2741	C	1/0 AL URD	7.41Y	123.4	0.00	1.56	7.24	4	52	12	97	0.00	0.0	1.675	0.017	0	0	0	11
PL.18567	PL.18803	C	1/0 AL URD	7.41Y	123.4	0.00	1.56	7.24	4	52	12	97	0.00	0.0	1.679	0.004	0	0	0	11
PL.18568	PL.18567	C	1/0 AL URD	7.41Y	123.4	0.00	1.56	7.24	4	52	12	97	0.00	0.0	1.680	0.000	0	0	0	11
PL.18766	PL.18568	C	1/0 AL URD	7.41Y	123.4	0.00	1.56	7.24	4	52	12	97	0.00	0.0	1.685	0.005	5	1	2	11
PL.18767	PL.18766	C	1/0 AL URD	7.41Y	123.4	0.00	1.56	6.50	4	47	11	97	0.00	0.0	1.690	0.006	16	4	2	9
PL.18762	PL.18767	C	1/0 AL URD	7.41Y	123.4	0.00	1.56	4.28	3	31	7	98	0.00	0.0	1.724	0.033	3	1	1	7
PL.18763	PL.18762	C	1/0 AL URD	7.41Y	123.4	0.00	1.56	3.88	2	28	6	98	0.00	0.0	1.730	0.007	10	2	2	6
PL.18764	PL.18763	C	1/0 AL URD	7.41Y	123.4	0.00	1.57	2.48	1	18	4	98	0.00	0.0	1.759	0.029	6	1	2	4
PL.18765	PL.18764	C	1/0 AL URD	7.41Y	123.4	0.00	1.57	1.68	1	12	3	97	0.00	0.0	1.776	0.017	12	3	2	2
PL.18584	PL.18765	C	1/0 AL URD	7.41Y	123.4	0.00	1.57	0.00	0	0	0	100	0.00	0.0	1.791	0.015	0	0	0	0

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Balanced Voltage Drop Report
Source: Beattyville

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.18569	PL.18584	C	1/0 AL URD	7.41Y	123.4	0.00	1.57	0.00	0	0	0	100	0.00	0.0	1.798	0.007	0	0	0	0
PL.18570	PL.18569	C	1/0 AL URD	7.41Y	123.4	0.00	1.57	0.00	0	0	0	100	0.00	0.0	1.798	0.000	0	0	0	0
PL.18483	PL.18570	C	1/0 AL URD	7.41Y	123.4	0.00	1.57	0.00	0	0	0	100	0.00	0.0	1.813	0.015	0	0	0	0
PL.18565	PL.18528	ABC	336 MCM AC	7.41Y	123.4	0.02	1.57	36.98	7	772	283	94	0.08	0.0	1.720	0.067	12	3	3	76
PL.18800	PL.18565	ABC	336 MCM AC	7.40Y	123.4	0.02	1.59	36.20	7	755	278	94	0.07	0.0	1.781	0.061	0	0	0	72
PL.18801	PL.18800	ABC	336 MCM AC	7.40Y	123.4	0.00	1.59	36.20	7	755	278	94	0.00	0.0	1.786	0.005	0	0	0	72
PL.18502	PL.18801	ABC	336 MCM AC	7.40Y	123.4	0.04	1.63	32.69	6	678	260	93	0.15	0.0	1.948	0.162	0	0	0	52
PL.18275	PL.18502	C	1/0 AL URD	7.40Y	123.4	0.00	1.63	1.79	1	13	3	97	0.00	0.0	1.949	0.001	0	0	0	3
PD.2767	PL.18275	C	30T	7.40Y	123.4	0.00	1.63	1.79	0	13	3	97	0.00	0.0	1.949	0.001	0	0	0	3
PL.18521	PD.2767	C	1/0 AL URD	7.40Y	123.4	0.00	1.63	1.79	1	13	3	97	0.00	0.0	1.950	0.001	0	0	0	3
PL.18770	PL.18521	C	1/0 AL URD	7.40Y	123.4	0.00	1.64	1.79	1	13	3	97	0.00	0.0	1.990	0.041	5	1	1	3
PL.18771	PL.18770	C	1/0 AL URD	7.40Y	123.4	0.00	1.64	1.10	1	8	2	97	0.00	0.0	2.030	0.040	0	0	0	2
PL.18550	PL.18771	C	1/0 AL URD	7.40Y	123.4	0.00	1.64	1.10	1	8	2	97	0.00	0.0	2.036	0.006	0	0	0	2
PL.18551	PL.18550	C	1/0 AL URD	7.40Y	123.4	0.00	1.64	1.10	1	8	2	97	0.00	0.0	2.036	0.000	0	0	0	2
PL.18484	PL.18551	C	1/0 AL URD	7.40Y	123.4	0.00	1.64	1.10	1	8	2	97	0.00	0.0	2.056	0.020	8	2	2	2
PL.18501	PL.18502	ABC	336 MCM AC	7.40Y	123.3	0.02	1.65	32.10	6	665	257	93	0.06	0.0	2.015	0.068	0	0	0	49
PL.18850	PL.18501	C	#1/0 ACSR	7.40Y	123.3	0.00	1.65	7.94	3	57	13	97	0.00	0.0	2.020	0.005	0	0	0	7
PD.2766	PL.18850	C	30T	7.40Y	123.3	0.00	1.65	7.94	0	57	13	97	0.00	0.0	2.020	0.005	0	0	0	7
PL.18851	PD.2766	C	#1/0 ACSR	7.40Y	123.3	0.00	1.66	7.94	3	57	13	97	0.00	0.0	2.041	0.021	9	2	1	7
PL.17858	PL.18851	C	#1/0 ACSR	7.40Y	123.3	0.00	1.66	6.66	3	48	11	97	0.00	0.0	2.072	0.031	36	8	4	6
PL.17859	PL.17858	C	#1/0 ACSR	7.40Y	123.3	0.00	1.66	1.63	1	12	3	97	0.00	0.0	2.102	0.030	12	3	2	2
PL.18500	PL.18501	ABC	336 MCM AC	7.40Y	123.3	0.04	1.69	29.48	6	608	244	93	0.12	0.0	2.178	0.163	0	0	0	42
PL.18966	PL.18500	ABC	336 MCM AC	7.40Y	123.3	0.04	1.73	29.48	6	607	244	93	0.11	0.0	2.335	0.156	0	0	0	42
PD.2829-A	PL.18966	ABC	Closed	7.40Y	123.3	0.00	1.73	29.48	0	607	243	93	0.00	0.0	2.335	0.156	0	0	0	42
PD.2829-B	PD.2829-A	ABC	Closed	7.40Y	123.3	0.00	1.73	29.48	0	607	243	93	0.00	0.0	2.335	0.156	0	0	0	42
PL.18967	PD.2829-B	ABC	336 MCM AC	7.40Y	123.3	0.00	1.73	29.48	6	607	243	93	0.01	0.0	2.342	0.008	0	0	0	42
PL.18848	PL.18967	C	#1/0 ACSR	7.40Y	123.3	0.00	1.73	0.37	0	3	1	95	0.00	0.0	2.347	0.005	0	0	0	1
PD.2765	PL.18848	C	30T	7.40Y	123.3	0.00	1.73	0.37	0	3	1	95	0.00	0.0	2.347	0.005	0	0	0	1
PL.18849	PD.2765	C	#1/0 ACSR	7.40Y	123.3	0.00	1.73	0.37	0	3	1	95	0.00	0.0	2.442	0.095	0	0	0	1
PL.17857	PL.18849	C	#1/0 ACSR	7.40Y	123.3	0.00	1.73	0.37	0	3	1	95	0.00	0.0	2.526	0.085	3	1	1	1
PL.18547	PL.18967	ABC	336 MCM AC	7.39Y	123.2	0.02	1.76	29.36	6	605	243	93	0.07	0.0	2.434	0.091	0	0	0	41

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: Beattyville

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.18544	PL.18547	ABC	336 MCM AC	7.39Y	123.2	0.01	1.77	28.89	6	595	238	93	0.04	0.0	2.495	0.061	0	0	0	40
PL.18279	PL.18544	ABC	336 MCM AC	7.39Y	123.2	0.00	1.77	3.15	1	63	29	91	0.00	0.0	2.540	0.045	0	0	0	2
PL.18280	PL.18279	ABC	#1/0 ACSR	7.39Y	123.2	0.00	1.78	3.15	1	63	29	91	0.00	0.0	2.606	0.066	0	0	0	2
PL.18944	PL.18280	ABC	1/0 AL URD	7.39Y	123.2	0.00	1.78	2.83	2	56	27	90	0.00	0.0	2.611	0.005	0	0	0	1
PD.2815	PL.18944	ABC	25T	7.39Y	123.2	0.00	1.78	2.83	0	56	27	90	0.00	0.0	2.611	0.005	0	0	0	1
PL.18945	PD.2815	ABC	1/0 AL URD	7.39Y	123.2	0.00	1.78	2.83	2	56	27	90	0.00	0.0	2.623	0.012	56	27	1	1
PL.18908	PL.18280	C	#1/0 ACSR	7.39Y	123.2	0.00	1.78	0.97	0	7	2	96	0.00	0.0	2.611	0.005	0	0	0	1
PD.2796	PL.18908	C	30T	7.39Y	123.2	0.00	1.78	0.97	0	7	2	96	0.00	0.0	2.611	0.005	0	0	0	1
PL.18909	PD.2796	C	#1/0 ACSR	7.39Y	123.2	0.00	1.78	0.97	0	7	2	96	0.00	0.0	2.714	0.103	7	2	1	1
PL.18278	PL.18544	ABC	336 MCM AC	7.39Y	123.2	0.02	1.80	17.46	3	349	167	90	0.04	0.0	2.653	0.159	0	0	0	4
PL.18946	PL.18278	ABC	#1/0 ACSR	7.39Y	123.2	0.00	1.80	0.90	0	19	7	94	0.00	0.0	2.658	0.005	0	0	0	3
PD.2817	PL.18946	ABC	30T	7.39Y	123.2	0.00	1.80	0.90	0	19	7	94	0.00	0.0	2.658	0.005	0	0	0	3
PL.18947	PD.2817	ABC	#1/0 ACSR	7.39Y	123.2	0.00	1.80	0.90	0	19	7	94	0.00	0.0	2.707	0.049	3	1	1	3
PL.17855	PL.18947	ABC	#1/0 ACSR	7.39Y	123.2	0.00	1.80	0.77	0	16	6	94	0.00	0.0	2.815	0.108	5	1	1	2
PL.17854	PL.17855	ABC	#1/0 ACSR	7.39Y	123.2	0.00	1.80	0.53	0	11	5	91	0.00	0.0	2.900	0.084	11	5	1	1
PL.18281	PL.18278	ABC	336 MCM AC	7.39Y	123.2	0.00	1.80	16.56	3	331	160	90	0.00	0.0	2.657	0.004	0	0	0	1
PL.18282	PL.18281	ABC	1/0 AL URD	7.39Y	123.2	0.00	1.80	16.56	10	331	160	90	0.00	0.0	2.658	0.000	0	0	0	1
PD.2816	PL.18282	ABC	30T	7.39Y	123.2	0.00	1.80	16.56	0	331	160	90	0.00	0.0	2.658	0.000	0	0	0	1
PL.18522	PD.2816	ABC	1/0 AL URD	7.39Y	123.2	0.00	1.80	16.56	10	331	160	90	0.00	0.0	2.658	0.000	331	160	1	1
PL.18545	PL.18544	ABC	336 MCM AC	7.39Y	123.2	0.01	1.78	8.43	2	182	42	97	0.01	0.0	2.629	0.135	0	0	0	34
PL.18529	PL.18545	ABC	336 MCM AC	7.39Y	123.2	0.00	1.78	8.43	2	182	42	97	0.00	0.0	2.700	0.071	0	0	0	34
PL.18846	PL.18529	A	#4 ACSR	7.39Y	123.2	0.00	1.78	1.90	1	14	3	98	0.00	0.0	2.705	0.005	0	0	0	1
PD.2764	PL.18846	A	30T	7.39Y	123.2	0.00	1.78	1.90	0	14	3	98	0.00	0.0	2.705	0.005	0	0	0	1
PL.18847	PD.2764	A	#4 ACSR	7.39Y	123.2	0.00	1.79	1.90	1	14	3	98	0.00	0.0	2.804	0.099	14	3	1	1
PL.17856	PL.18847	A	#4 ACSR	7.39Y	123.2	0.00	1.79	0.00	0	0	0	100	0.00	0.0	2.854	0.050	0	0	0	0
PL.18708	PL.18529	ABC	336 MCM AC	7.39Y	123.2	0.00	1.78	7.79	2	169	38	98	0.00	0.0	2.725	0.025	0	0	0	33
PL.18709	PL.18708	ABC	336 MCM AC	7.39Y	123.2	0.01	1.79	7.79	2	169	38	98	0.01	0.0	2.863	0.138	0	0	0	33
PL.18530	PL.18709	ABC	336 MCM AC	7.39Y	123.2	0.01	1.80	7.79	2	168	38	98	0.01	0.0	3.024	0.161	0	0	0	33
PL.18844	PL.18530	A	#4 ACSR	7.39Y	123.2	0.00	1.80	0.70	1	5	1	98	0.00	0.0	3.028	0.005	0	0	0	1
PD.2763	PL.18844	A	30T	7.39Y	123.2	0.00	1.80	0.70	0	5	1	98	0.00	0.0	3.028	0.005	0	0	0	1
PL.18845	PD.2763	A	#4 ACSR	7.39Y	123.2	0.00	1.80	0.70	1	5	1	98	0.00	0.0	3.056	0.027	5	1	1	1

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

Balanced Voltage Drop Report
Source: Beattyville

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.18672	PL.18530	ABC	336 MCM AC	7.39Y	123.2	0.00	1.80	7.56	1	163	37	98	0.00	0.0	3.070	0.046	5	1	3	32
PL.17853	PL.18672	ABC	336 MCM AC	7.39Y	123.2	0.01	1.81	7.31	1	158	36	98	0.01	0.0	3.200	0.130	7	2	1	29
PL.18667	PL.17853	ABC	336 MCM AC	7.39Y	123.2	0.00	1.81	6.99	1	151	34	98	0.00	0.0	3.280	0.080	5	1	1	28
PL.18852	PL.18667	C	#1/0 ACSR	7.39Y	123.2	0.00	1.81	3.45	2	25	6	97	0.00	0.0	3.284	0.005	0	0	0	5
PD.2768	PL.18852	C	30T	7.39Y	123.2	0.00	1.81	3.45	0	25	6	97	0.00	0.0	3.284	0.005	0	0	0	5
PL.18853	PD.2768	C	#1/0 ACSR	7.39Y	123.2	0.01	1.82	3.45	2	25	6	97	0.00	0.0	3.400	0.115	0	0	0	5
PL.18283	PL.18853	C	#4 ACSR	7.39Y	123.2	0.01	1.83	3.45	3	25	6	97	0.00	0.0	3.450	0.051	0	0	0	5
PL.18284	PL.18283	C	#4 ACSR	7.39Y	123.2	0.00	1.83	1.09	1	8	2	97	0.00	0.0	3.472	0.022	8	2	1	1
PL.18668	PL.18283	C	#4 ACSR	7.39Y	123.2	0.01	1.84	2.37	2	17	4	97	0.00	0.0	3.548	0.097	0	0	0	4
PL.18669	PL.18668	C	#4 ACSR	7.39Y	123.2	0.01	1.85	2.37	2	17	4	97	0.00	0.0	3.610	0.062	7	2	2	4
PL.18670	PL.18669	C	#4 ACSR	7.39Y	123.2	0.00	1.85	1.42	1	10	2	98	0.00	0.0	3.672	0.062	5	1	1	2
PL.18671	PL.18670	C	#4 ACSR	7.39Y	123.2	0.00	1.85	0.78	1	6	1	99	0.00	0.0	3.766	0.095	6	1	1	1
PL.17860	PL.18667	ABC	336 MCM AC	7.39Y	123.2	0.00	1.82	5.62	1	121	28	97	0.00	0.0	3.373	0.093	21	5	2	22
PL.17861	PL.17860	ABC	336 MCM AC	7.39Y	123.2	0.00	1.82	4.65	1	101	23	98	0.00	0.0	3.517	0.144	2	1	1	20
PL.18860	PL.17861	A	#2 ACSR	7.39Y	123.2	0.00	1.82	0.72	0	5	1	98	0.00	0.0	3.522	0.005	0	0	0	1
PD.2772	PL.18860	A	30T	7.39Y	123.2	0.00	1.82	0.72	0	5	1	98	0.00	0.0	3.522	0.005	0	0	0	1
PL.18861	PD.2772	A	#2 ACSR	7.39Y	123.2	0.00	1.82	0.72	0	5	1	98	0.00	0.0	3.566	0.044	5	1	1	1
PL.17173	PL.17861	ABC	336 MCM AC	7.39Y	123.2	0.00	1.82	4.31	1	93	21	98	0.00	0.0	3.586	0.069	6	1	1	18
PL.18862	PL.17173	C	#4 ACSR	7.39Y	123.2	0.00	1.82	7.44	6	54	12	98	0.00	0.0	3.591	0.005	0	0	0	11
PD.2773	PL.18862	C	25T	7.39Y	123.2	0.00	1.82	7.44	0	54	12	98	0.00	0.0	3.591	0.005	0	0	0	11
PL.18863	PD.2773	C	#4 ACSR	7.39Y	123.2	0.01	1.84	7.44	6	54	12	98	0.01	0.0	3.640	0.049	15	3	2	11
PL.18677	PL.18863	C	#4 ACSR	7.39Y	123.1	0.02	1.86	5.36	4	39	9	97	0.01	0.0	3.730	0.089	8	2	1	9
PL.18286	PL.18677	C	#2 ACSR	7.39Y	123.1	0.00	1.86	4.19	2	30	7	97	0.00	0.0	3.747	0.017	0	0	0	8
PL.18680	PL.18286	C	#1/0 ACSR	7.39Y	123.1	0.00	1.86	2.99	1	22	5	98	0.00	0.0	3.783	0.036	7	2	1	7
PL.18681	PL.18680	C	#1/0 ACSR	7.39Y	123.1	0.00	1.86	1.97	1	14	3	98	0.00	0.0	3.849	0.066	0	0	1	6
PL.18682	PL.18681	C	#1/0 ACSR	7.39Y	123.1	0.00	1.87	1.97	1	14	3	98	0.00	0.0	3.909	0.059	0	0	0	5
PL.18910	PL.18682	C	#4 ACSR	7.39Y	123.1	0.00	1.87	0.85	1	6	1	99	0.00	0.0	3.913	0.005	0	0	0	3
PD.2797	PL.18910	C	20T	7.39Y	123.1	0.00	1.87	0.85	0	6	1	99	0.00	0.0	3.913	0.005	0	0	0	3
PL.18911	PD.2797	C	#4 ACSR	7.39Y	123.1	0.00	1.87	0.85	1	6	1	99	0.00	0.0	3.927	0.014	0	0	0	3
PL.17174	PL.18911	C	#4 ACSR	7.39Y	123.1	0.00	1.87	0.05	0	0	0	100	0.00	0.0	3.995	0.068	0	0	1	2
PL.18288	PL.17174	C	#4 ACSR	7.39Y	123.1	0.00	1.87	0.00	0	0	0	100	0.00	0.0	4.167	0.172	0	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: Beattyville

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.17175	PL.17174	C	#4 ACSR	7.39Y	123.1	0.00	1.87	0.00	0	0	0	100	0.00	0.0	4.090	0.094	0	0	0	0
PL.18287	PL.18911	C	#4 ACSR	7.39Y	123.1	0.00	1.87	0.80	1	6	1	99	0.00	0.0	3.995	0.068	6	1	1	1
PL.18842	PL.18682	C	#4 ACSR	7.39Y	123.1	0.00	1.87	1.12	1	8	2	97	0.00	0.0	3.913	0.005	0	0	0	2
PD.2762	PL.18842	C	20T	7.39Y	123.1	0.00	1.87	1.12	0	8	2	97	0.00	0.0	3.913	0.005	0	0	0	2
PL.18843	PD.2762	C	#4 ACSR	7.39Y	123.1	0.00	1.87	1.12	1	8	2	97	0.00	0.0	3.939	0.025	8	2	2	2
PL.18285	PL.18286	C	#2 ACSR	7.39Y	123.1	0.00	1.86	1.20	1	9	2	98	0.00	0.0	3.838	0.091	9	2	1	1
PL.18674	PL.17173	ABC	336 MCM AC	7.39Y	123.2	0.00	1.82	1.55	0	33	8	97	0.00	0.0	3.619	0.033	8	2	1	6
PL.18675	PL.18674	ABC	336 MCM AC	7.39Y	123.2	0.00	1.82	1.19	0	26	6	97	0.00	0.0	3.639	0.020	8	2	2	5
PL.18676	PL.18675	ABC	336 MCM AC	7.39Y	123.2	0.00	1.82	0.83	0	18	4	98	0.00	0.0	3.697	0.058	6	1	1	3
PL.18673	PL.18676	ABC	336 MCM AC	7.39Y	123.2	0.00	1.82	0.54	0	12	3	97	0.00	0.0	3.750	0.053	6	1	1	2
PL.17169	PL.18673	ABC	336 MCM AC	7.39Y	123.2	0.00	1.82	0.00	0	0	0	100	0.00	0.0	3.800	0.050	0	0	0	0
PL.18523	PL.17169	ABC	336 MCM AC	7.39Y	123.2	0.00	1.82	0.00	0	0	0	100	0.00	0.0	3.805	0.005	0	0	0	0
PD.2825-B	PL.18523	ABC	Open	7.39Y	123.2	0.00	1.82	0.00	0	0	0	100	0.00	0.0	3.805	0.005	0	0	0	0
PL.18289	PL.18673	C	#1/0 ACSR	7.39Y	123.2	0.00	1.82	0.84	0	6	1	99	0.00	0.0	3.819	0.069	6	1	1	1
PL.18546	PL.18547	ABC	336 MCM AC	7.39Y	123.2	0.00	1.76	0.48	0	10	5	89	0.00	0.0	2.454	0.021	10	5	1	1
PL.18273	PL.18801	C	#1/0 ACSR	7.40Y	123.4	0.00	1.59	2.69	1	19	4	98	0.00	0.0	1.811	0.026	0	0	0	4
PL.18796	PL.18273	C	1/0 AL URD	7.40Y	123.4	0.00	1.59	2.69	2	19	4	98	0.00	0.0	1.816	0.005	0	0	0	4
PD.2739	PL.18796	C	30T	7.40Y	123.4	0.00	1.59	2.69	0	19	4	98	0.00	0.0	1.816	0.005	0	0	0	4
PL.18797	PD.2739	C	1/0 AL URD	7.40Y	123.4	0.00	1.59	2.69	2	19	4	98	0.00	0.0	1.842	0.026	10	2	2	4
PL.18755	PL.18797	C	1/0 AL URD	7.40Y	123.4	0.00	1.60	1.30	1	9	2	98	0.00	0.0	1.876	0.034	0	0	0	2
PL.18552	PL.18755	C	1/0 AL URD	7.40Y	123.4	0.00	1.60	1.30	1	9	2	98	0.00	0.0	1.880	0.004	0	0	0	2
PL.18553	PL.18552	C	1/0 AL URD	7.40Y	123.4	0.00	1.60	1.30	1	9	2	98	0.00	0.0	1.880	0.000	0	0	0	2
PL.18274	PL.18553	C	1/0 AL URD	7.40Y	123.4	0.00	1.60	1.30	1	9	2	98	0.00	0.0	1.901	0.021	9	2	2	2
PL.18485	PL.18274	C	1/0 AL URD	7.40Y	123.4	0.00	1.60	0.00	0	0	0	100	0.00	0.0	1.904	0.003	0	0	0	0
PL.18798	PL.18801	C	1/0 AL URD	7.40Y	123.4	0.00	1.59	7.94	5	57	13	97	0.00	0.0	1.790	0.005	0	0	0	16
PD.2740	PL.18798	C	30T	7.40Y	123.4	0.00	1.59	7.94	0	57	13	97	0.00	0.0	1.790	0.005	0	0	0	16
PL.18799	PD.2740	C	1/0 AL URD	7.40Y	123.4	0.00	1.59	7.94	5	57	13	97	0.00	0.0	1.796	0.006	0	0	0	16
PL.18555	PL.18799	C	1/0 AL URD	7.40Y	123.4	0.00	1.59	7.94	5	57	13	97	0.00	0.0	1.800	0.004	0	0	0	16
PL.18556	PL.18555	C	1/0 AL URD	7.40Y	123.4	0.00	1.59	7.94	5	57	13	97	0.00	0.0	1.800	0.000	0	0	0	16
PL.18752	PL.18556	C	1/0 AL URD	7.40Y	123.4	0.00	1.60	7.94	5	57	13	97	0.00	0.0	1.813	0.013	11	3	3	16
PL.18753	PL.18752	C	1/0 AL URD	7.40Y	123.4	0.00	1.60	6.37	4	46	10	98	0.00	0.0	1.819	0.006	12	3	2	13

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

Balanced Voltage Drop Report
Source: Beattyville

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.18754	PL.18753	C	1/0 AL URD	7.40Y	123.4	0.00	1.60	4.65	3	34	8	97	0.00	0.0	1.822	0.003	0	0	0	11
PL.18559	PL.18754	C	1/0 AL URD	7.40Y	123.4	0.00	1.60	4.65	3	34	8	97	0.00	0.0	1.827	0.005	0	0	0	11
PL.18560	PL.18559	C	1/0 AL URD	7.40Y	123.4	0.00	1.60	4.65	3	34	8	97	0.00	0.0	1.827	0.000	0	0	0	11
PL.18481	PL.18560	C	1/0 AL URD	7.40Y	123.4	0.00	1.60	4.65	3	34	8	97	0.00	0.0	1.833	0.007	0	0	0	11
PL.18561	PL.18481	C	1/0 AL URD	7.40Y	123.4	0.00	1.60	4.65	3	34	8	97	0.00	0.0	1.838	0.005	0	0	0	11
PL.18562	PL.18561	C	1/0 AL URD	7.40Y	123.4	0.00	1.60	4.65	3	34	8	97	0.00	0.0	1.838	0.000	0	0	0	11
PL.18482	PL.18562	C	1/0 AL URD	7.40Y	123.4	0.00	1.60	4.65	3	34	8	97	0.00	0.0	1.860	0.022	0	0	0	11
PL.18557	PL.18482	C	1/0 AL URD	7.40Y	123.4	0.00	1.60	4.65	3	34	8	97	0.00	0.0	1.864	0.004	0	0	0	11
PL.18558	PL.18557	C	1/0 AL URD	7.40Y	123.4	0.00	1.60	4.65	3	34	8	97	0.00	0.0	1.864	0.000	0	0	0	11
PL.18758	PL.18558	C	1/0 AL URD	7.40Y	123.4	0.00	1.60	4.65	3	34	8	97	0.00	0.0	1.869	0.004	7	2	2	11
PL.18759	PL.18758	C	1/0 AL URD	7.40Y	123.4	0.00	1.61	3.69	2	27	6	98	0.00	0.0	1.896	0.027	0	0	0	9
PL.18563	PL.18759	C	1/0 AL URD	7.40Y	123.4	0.00	1.61	3.69	2	27	6	98	0.00	0.0	1.901	0.006	0	0	0	9
PL.18564	PL.18563	C	1/0 AL URD	7.40Y	123.4	0.00	1.61	3.69	2	27	6	98	0.00	0.0	1.901	0.000	0	0	0	9
PL.18756	PL.18564	C	1/0 AL URD	7.40Y	123.4	0.00	1.61	3.69	2	27	6	98	0.00	0.0	1.911	0.009	4	1	2	9
PL.18760	PL.18756	C	1/0 AL URD	7.40Y	123.4	0.00	1.61	3.12	2	23	5	98	0.00	0.0	1.918	0.008	8	2	2	7
PL.18761	PL.18760	C	1/0 AL URD	7.40Y	123.4	0.00	1.61	2.07	1	15	3	98	0.00	0.0	1.943	0.024	4	1	1	5
PL.18757	PL.18761	C	1/0 AL URD	7.40Y	123.4	0.00	1.61	1.52	1	11	3	96	0.00	0.0	1.948	0.005	7	2	2	4
PL.18768	PL.18757	C	1/0 AL URD	7.40Y	123.4	0.00	1.61	0.49	0	4	1	97	0.00	0.0	1.980	0.032	4	1	2	2
PL.18769	PL.18768	C	1/0 AL URD	7.40Y	123.4	0.00	1.61	0.00	0	0	0	100	0.00	0.0	2.003	0.023	0	0	0	0
PL.18277	PL.18565	ABC	#1/0 ACSR	7.41Y	123.4	0.00	1.57	0.22	0	4	2	89	0.00	0.0	1.736	0.015	0	0	0	1
PL.18948	PL.18277	ABC	4/0 AL URD	7.41Y	123.4	0.00	1.57	0.22	0	4	2	89	0.00	0.0	1.740	0.005	0	0	0	1
PD.2818	PL.18948	ABC	30T	7.41Y	123.4	0.00	1.57	0.22	0	4	2	89	0.00	0.0	1.740	0.005	0	0	0	1
PL.18949	PD.2818	ABC	4/0 AL URD	7.41Y	123.4	0.00	1.57	0.22	0	4	2	89	0.00	0.0	1.817	0.077	4	2	1	1
PL.18804	PL.18749	A	#1/0 ACSR	7.42Y	123.6	0.00	1.38	28.69	12	195	86	91	0.00	0.0	1.172	0.005	0	0	0	8
PD.2742	PL.18804	A	30T	7.42Y	123.6	0.00	1.38	28.69	0	195	86	91	0.00	0.0	1.172	0.005	0	0	0	8
PL.18805	PD.2742	A	#1/0 ACSR	7.42Y	123.6	0.03	1.41	28.69	12	195	86	91	0.04	0.0	1.219	0.047	16	4	4	8
PL.18632	PL.18805	A	#1/0 ACSR	7.41Y	123.6	0.01	1.43	26.53	12	179	83	91	0.01	0.0	1.254	0.035	179	83	4	4
PL.18962	PL.18276	ABC	336 MCM AC	7.42Y	123.7	0.00	1.30	85.25	16	1837	478	97	0.03	0.0	1.014	0.005	0	0	0	412
PD.2827-A	PL.18962	ABC	Closed	7.42Y	123.7	0.00	1.30	85.25	0	1837	478	97	0.00	0.0	1.014	0.005	0	0	0	412
PD.2827-B	PD.2827-A	ABC	Closed	7.42Y	123.7	0.00	1.30	85.25	0	1837	478	97	0.00	0.0	1.014	0.005	0	0	0	412
PL.18963	PD.2827-B	ABC	336 MCM AC	7.42Y	123.7	0.02	1.32	85.25	16	1837	478	97	0.20	0.0	1.046	0.033	0	0	0	412

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: Beattyville

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.18410	PL.18963	ABC	#3/0 ACSR	7.42Y	123.6	0.10	1.41	85.25	28	1837	477	97	1.11	0.1	1.137	0.091	0	0	0	412
PL.18912	PL.18410	A	#4 ACSR	7.42Y	123.6	0.00	1.41	1.20	1	9	2	98	0.00	0.0	1.142	0.005	0	0	0	1
PD.2798	PL.18912	A	65T	7.42Y	123.6	0.00	1.41	1.20	0	9	2	98	0.00	0.0	1.142	0.005	0	0	0	1
PL.18913	PD.2798	A	#4 ACSR	7.42Y	123.6	0.00	1.42	1.20	1	9	2	98	0.00	0.0	1.208	0.067	9	2	1	1
PL.18292	PL.18410	ABC	#3/0 ACSR	7.41Y	123.4	0.14	1.55	84.85	28	1827	474	97	1.60	0.1	1.269	0.132	0	0	0	411
PL.18531	PL.18292	ABC	#3/0 ACSR	7.40Y	123.4	0.09	1.65	84.85	28	1826	471	97	1.07	0.1	1.358	0.089	0	0	0	411
PL.18974	PL.18531	ABC	#3/0 ACSR	7.40Y	123.3	0.05	1.69	84.85	28	1824	470	97	0.52	0.0	1.401	0.043	0	0	0	411
PD.2833-A	PL.18974	ABC	Closed	7.40Y	123.3	0.00	1.69	84.85	0	1824	469	97	0.00	0.0	1.401	0.043	0	0	0	411
PD.2833-B	PD.2833-A	ABC	Closed	7.40Y	123.3	0.00	1.69	84.85	0	1824	469	97	0.00	0.0	1.401	0.043	0	0	0	411
PL.18975	PD.2833-B	ABC	#3/0 ACSR	7.40Y	123.3	0.01	1.70	84.85	28	1824	469	97	0.11	0.0	1.410	0.009	3	1	3	411
PL.18612	PL.18975	ABC	#3/0 ACSR	7.39Y	123.2	0.07	1.78	84.71	28	1821	468	97	0.85	0.0	1.480	0.070	0	0	1	408
PL.18578	PL.18612	ABC	#3/0 ACSR	7.39Y	123.2	0.06	1.83	84.66	28	1819	467	97	0.65	0.0	1.534	0.054	17	4	5	406
PL.18293	PL.18578	ABC	#3/0 ACSR	7.38Y	123.1	0.10	1.93	83.07	28	1784	458	97	1.08	0.1	1.629	0.094	25	6	3	397
PL.18296	PL.18293	C	#4 ACSR	7.38Y	123.1	0.00	1.93	3.03	2	22	5	98	0.00	0.0	1.633	0.005	0	0	0	3
PD.2736	PL.18296	C	65T	7.38Y	123.1	0.00	1.93	3.03	0	22	5	98	0.00	0.0	1.633	0.005	0	0	0	3
PL.18520	PD.2736	C	#4 ACSR	7.38Y	123.1	0.00	1.93	0.80	1	6	1	99	0.00	0.0	1.686	0.052	6	1	1	1
PL.18576	PD.2736	C	#4 ACSR	7.38Y	123.1	0.00	1.93	2.23	2	16	4	97	0.00	0.0	1.643	0.010	0	0	0	2
PL.18577	PL.18576	C	#4 ACSR	7.38Y	123.1	0.00	1.93	2.23	2	16	4	97	0.00	0.0	1.643	0.000	0	0	0	2
PL.18297	PL.18577	C	#4 ACSR	7.38Y	123.1	0.00	1.93	2.23	2	16	4	97	0.00	0.0	1.682	0.039	0	0	0	2
PL.18614	PL.18297	C	#4 ACSR	7.38Y	123.1	0.00	1.94	2.23	2	16	4	97	0.00	0.0	1.749	0.067	14	3	1	2
PL.18615	PL.18614	C	#4 ACSR	7.38Y	123.1	0.00	1.94	0.32	0	2	1	89	0.00	0.0	1.801	0.052	0	0	0	1
PL.18301	PL.18615	C	#4 ACSR	7.38Y	123.1	0.00	1.94	0.32	0	2	1	89	0.00	0.0	1.813	0.012	2	1	1	1
PL.18914	PL.18293	A	#1/0 ACSR	7.38Y	123.1	0.00	1.93	1.76	1	13	3	97	0.00	0.0	1.633	0.005	0	0	0	1
PD.2799	PL.18914	A	65T	7.38Y	123.1	0.00	1.93	1.76	0	13	3	97	0.00	0.0	1.633	0.005	0	0	0	1
PL.18915	PD.2799	A	#1/0 ACSR	7.38Y	123.1	0.00	1.93	1.76	1	13	3	97	0.00	0.0	1.765	0.132	13	3	1	1
PL.18574	PL.18293	ABC	#3/0 ACSR	7.38Y	123.1	0.00	1.93	80.30	27	1723	443	97	0.05	0.0	1.633	0.005	0	0	0	390
PL.18575	PL.18574	ABC	#3/0 ACSR	7.38Y	123.0	0.09	2.02	80.30	27	1723	443	97	0.96	0.1	1.722	0.088	0	0	0	390
PL.18792	PL.18575	A	#4 ACSR	7.38Y	123.0	0.00	2.02	2.12	2	15	3	98	0.00	0.0	1.726	0.005	0	0	0	2
PD.2737	PL.18792	A	65T	7.38Y	123.0	0.00	2.02	2.12	0	15	3	98	0.00	0.0	1.726	0.005	0	0	0	2
PL.18793	PD.2737	A	#4 ACSR	7.38Y	123.0	0.00	2.02	2.12	2	15	3	98	0.00	0.0	1.785	0.058	15	3	2	2
PL.18572	PL.18575	ABC	#3/0 ACSR	7.38Y	123.0	0.02	2.04	79.59	27	1707	438	97	0.24	0.0	1.744	0.022	8	2	2	388

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: Beattyville

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.18573	PL.18572	ABC	#3/0 ACSR	7.37Y	122.8	0.14	2.18	77.55	26	1662	427	97	1.47	0.1	1.890	0.146	0	0	0	380
PL.18532	PL.18573	ABC	#3/0 ACSR	7.36Y	122.7	0.08	2.26	77.55	26	1661	425	97	0.83	0.0	1.972	0.082	0	0	0	380
PL.18519	PL.18532	ABC	#3/0 ACSR	7.36Y	122.7	0.08	2.34	73.83	25	1580	406	97	0.78	0.0	2.057	0.085	0	0	0	360
PL.18782	PL.18519	C	6 A (CWC)	7.36Y	122.7	0.00	2.34	11.45	8	82	19	97	0.00	0.0	2.061	0.005	0	0	0	15
PD.2731	PL.18782	C	65T	7.36Y	122.7	0.00	2.34	11.45	0	82	19	97	0.00	0.0	2.061	0.005	0	0	0	15
PL.18783	PD.2731	C	6 A (CWC)	7.36Y	122.6	0.01	2.35	11.45	8	82	19	97	0.01	0.0	2.083	0.022	8	2	1	15
PL.18603	PL.18783	C	6 A (CWC)	7.36Y	122.6	0.02	2.37	10.30	7	74	17	97	0.01	0.0	2.121	0.037	0	0	0	14
PL.18605	PL.18603	C	6 A (CWC)	7.36Y	122.6	0.02	2.39	6.62	5	47	11	97	0.01	0.0	2.184	0.063	13	3	7	11
PL.18606	PL.18605	C	6 A (CWC)	7.36Y	122.6	0.00	2.39	4.76	3	34	8	97	0.00	0.0	2.208	0.025	8	2	3	4
PL.18307	PL.18606	C	#1/0 ACSR	7.36Y	122.6	0.00	2.39	3.71	2	27	6	98	0.00	0.0	2.222	0.014	27	6	1	1
PL.18601	PL.18603	C	6 A (CWC)	7.36Y	122.6	0.01	2.38	3.68	3	26	6	97	0.00	0.0	2.185	0.064	13	3	1	3
PL.18602	PL.18601	C	6 A (CWC)	7.36Y	122.6	0.00	2.38	1.87	1	13	3	97	0.00	0.0	2.210	0.025	11	3	1	2
PL.18306	PL.18602	C	#4 ACSR	7.36Y	122.6	0.00	2.38	0.29	0	2	0	100	0.00	0.0	2.253	0.043	2	0	1	1
PL.18305	PL.18519	ABC	#3/0 ACSR	7.35Y	122.5	0.14	2.48	70.01	23	1497	386	97	1.30	0.1	2.215	0.158	0	0	0	345
PL.18920	PL.18305	C	6 A (CWC)	7.35Y	122.5	0.00	2.48	0.73	1	5	1	98	0.00	0.0	2.219	0.005	0	0	0	4
PD.2802	PL.18920	C	65T	7.35Y	122.5	0.00	2.48	0.73	0	5	1	98	0.00	0.0	2.219	0.005	0	0	0	4
PL.18921	PD.2802	C	6 A (CWC)	7.35Y	122.5	0.00	2.48	0.73	1	5	1	98	0.00	0.0	2.261	0.042	5	1	4	4
PL.18922	PL.18305	ABC	#3/0 ACSR	7.35Y	122.5	0.00	2.48	68.83	23	1470	378	97	0.03	0.0	2.219	0.004	0	0	0	339
PL.18923	PL.18922	ABC	#3/0 ACSR	7.35Y	122.5	0.06	2.54	68.83	23	1470	378	97	0.56	0.0	2.290	0.071	15	3	3	339
PL.18608	PL.18923	ABC	#3/0 ACSR	7.34Y	122.4	0.04	2.59	68.13	23	1455	374	97	0.40	0.0	2.341	0.051	3	1	1	336
PL.18609	PL.18608	ABC	#3/0 ACSR	7.34Y	122.4	0.03	2.61	68.00	23	1451	373	97	0.26	0.0	2.374	0.033	3	1	1	335
PL.18784	PL.18609	B	6 A (CWC)	7.34Y	122.4	0.00	2.61	8.64	6	62	14	98	0.00	0.0	2.379	0.005	0	0	0	9
PD.2732	PL.18784	B	65T	7.34Y	122.4	0.00	2.61	8.64	0	62	14	98	0.00	0.0	2.379	0.005	0	0	0	9
PL.18785	PD.2732	B	6 A (CWC)	7.34Y	122.4	0.03	2.64	8.64	6	62	14	98	0.01	0.0	2.461	0.082	12	3	2	9
PL.18607	PL.18785	B	6 A (CWC)	7.34Y	122.4	0.00	2.65	6.98	5	50	11	98	0.00	0.0	2.473	0.013	0	0	0	7
PL.18604	PL.18607	B	6 A (CWC)	7.34Y	122.3	0.01	2.66	6.98	5	50	11	98	0.00	0.0	2.512	0.039	20	5	3	7
PL.18590	PL.18604	B	6 A (CWC)	7.34Y	122.3	0.01	2.66	4.20	3	30	7	97	0.00	0.0	2.548	0.036	12	3	2	4
PL.18401	PL.18590	B	#4 ACSR	7.34Y	122.3	0.00	2.66	1.11	1	8	2	97	0.00	0.0	2.631	0.083	8	2	1	1
PL.18402	PL.18590	B	#1/0 ACSR	7.34Y	122.3	0.00	2.66	1.39	1	10	2	98	0.00	0.0	2.590	0.042	10	2	1	1
PL.18317	PL.18609	B	#1/0 ACSR	7.34Y	122.3	0.05	2.66	33.24	14	238	55	97	0.07	0.0	2.436	0.061	0	0	0	58
PL.18980	PL.18317	B	#1/0 ACSR	7.34Y	122.3	0.00	2.66	33.24	14	238	55	97	0.00	0.0	2.438	0.003	0	0	0	58

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Balanced Voltage Drop Report
Source: Beattyville

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.2836	PL.18980	B	50L	7.34Y	122.3	0.00	2.66	33.24	66	238	55	97	0.00	0.0	2.438	0.003	0	0	0	58
PL.18981	PD.2836	B	#1/0 ACSR	7.34Y	122.3	0.02	2.68	33.24	14	238	55	97	0.03	0.0	2.464	0.026	6	1	2	58
PL.18318	PL.18981	B	#1/0 ACSR	7.34Y	122.3	0.06	2.74	32.35	14	231	54	97	0.10	0.0	2.552	0.088	0	0	0	56
PL.18929	PL.18318	B	#4 ACSR	7.34Y	122.3	0.00	2.74	0.34	0	2	1	89	0.00	0.0	2.557	0.005	0	0	0	1
PD.2805	PL.18929	B	20T	7.34Y	122.3	0.00	2.74	0.34	0	2	1	89	0.00	0.0	2.557	0.005	0	0	0	1
PL.18928	PD.2805	B	#4 ACSR	7.34Y	122.3	0.00	2.74	0.34	0	2	1	89	0.00	0.0	2.609	0.053	0	0	0	1
PL.18319	PL.18928	B	#2 ACSR	7.34Y	122.3	0.00	2.74	0.34	0	2	1	89	0.00	0.0	2.652	0.043	2	1	1	1
PL.18320	PL.18318	B	#1/0 ACSR	7.33Y	122.2	0.04	2.79	27.01	12	193	45	97	0.05	0.0	2.623	0.071	8	2	1	51
PL.18321	PL.18320	B	#1/0 ACSR	7.33Y	122.2	0.02	2.80	25.90	11	185	43	97	0.02	0.0	2.651	0.028	2	0	1	50
PL.18322	PL.18321	B	#1/0 ACSR	7.33Y	122.2	0.02	2.83	25.68	11	183	43	97	0.03	0.0	2.691	0.040	0	0	1	49
PL.18323	PL.18322	B	#1/0 ACSR	7.33Y	122.2	0.01	2.84	25.67	11	183	42	97	0.01	0.0	2.708	0.017	0	0	0	48
PL.18896	PL.18323	B	#1/0 ACSR	7.33Y	122.2	0.00	2.84	0.00	0	0	0	100	0.00	0.0	2.713	0.005	0	0	0	0
PD.2790	PL.18896	B	20T	7.33Y	122.2	0.00	2.84	0.00	0	0	0	100	0.00	0.0	2.713	0.005	0	0	0	0
PL.18897	PD.2790	B	#1/0 ACSR	7.33Y	122.2	0.00	2.84	0.00	0	0	0	100	0.00	0.0	2.724	0.011	0	0	0	0
PL.18325	PL.18897	B	#2 ACSR	7.33Y	122.2	0.00	2.84	0.00	0	0	0	100	0.00	0.0	2.797	0.073	0	0	0	0
PL.18326	PL.18325	B	#2 ACSR	7.33Y	122.2	0.00	2.84	0.00	0	0	0	100	0.00	0.0	2.866	0.069	0	0	0	0
PL.18328	PL.18326	B	#2 ACSR	7.33Y	122.2	0.00	2.84	0.00	0	0	0	100	0.00	0.0	2.912	0.047	0	0	0	0
PL.18327	PL.18325	B	#4 ACSR	7.33Y	122.2	0.00	2.84	0.00	0	0	0	100	0.00	0.0	2.893	0.096	0	0	0	0
PL.18324	PL.18323	B	#1/0 ACSR	7.33Y	122.1	0.02	2.86	25.67	11	183	42	97	0.03	0.0	2.746	0.038	0	0	0	48
PL.18329	PL.18324	B	#1/0 ACSR	7.33Y	122.1	0.02	2.88	25.67	11	183	42	97	0.02	0.0	2.782	0.036	10	2	3	48
PL.18330	PL.18329	B	#1/0 ACSR	7.33Y	122.1	0.03	2.91	24.21	11	173	40	97	0.04	0.0	2.842	0.060	4	1	2	45
PL.18331	PL.18330	B	#1/0 ACSR	7.32Y	122.0	0.07	2.98	23.64	10	169	39	97	0.08	0.0	2.980	0.138	0	0	0	43
PL.18533	PL.18331	B	#1/0 ACSR	7.32Y	121.9	0.08	3.07	23.64	10	169	39	97	0.10	0.1	3.139	0.159	0	0	0	43
PL.18534	PL.18533	B	#1/0 ACSR	7.31Y	121.9	0.03	3.10	23.64	10	169	39	97	0.03	0.0	3.193	0.054	0	0	0	43
PL.18333	PL.18534	B	#1/0 ACSR	7.31Y	121.9	0.00	3.10	1.07	0	8	2	97	0.00	0.0	3.216	0.023	8	2	1	1
PL.18332	PL.18534	B	#1/0 ACSR	7.31Y	121.9	0.03	3.12	22.57	10	161	37	97	0.03	0.0	3.244	0.051	0	0	0	42
PL.18334	PL.18332	B	#1/0 ACSR	7.31Y	121.8	0.05	3.18	22.57	10	161	37	97	0.06	0.0	3.352	0.108	0	0	0	42
PL.18894	PL.18334	B	#1/0 ACSR	7.31Y	121.8	0.00	3.18	1.81	1	13	3	97	0.00	0.0	3.356	0.004	0	0	0	1
PD.2789	PL.18894	B	20T	7.31Y	121.8	0.00	3.18	1.81	0	13	3	97	0.00	0.0	3.356	0.004	0	0	0	1
PL.18895	PD.2789	B	#1/0 ACSR	7.31Y	121.8	0.00	3.18	1.81	1	13	3	97	0.00	0.0	3.381	0.025	13	3	1	1
PL.18515	PL.18334	B	#1/0 ACSR	7.31Y	121.8	0.04	3.22	20.76	9	148	34	97	0.04	0.0	3.438	0.086	5	1	1	41

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: Beattyville

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.18892	PL.18515	B	#1/0 ACSR	7.31Y	121.8	0.00	3.22	0.13	0	1	0	100	0.00	0.0	3.443	0.005	0	0	0	1
PD.2788	PL.18892	B	20T	7.31Y	121.8	0.00	3.22	0.13	0	1	0	100	0.00	0.0	3.443	0.005	0	0	0	1
PL.18893	PD.2788	B	#1/0 ACSR	7.31Y	121.8	0.00	3.22	0.13	0	1	0	100	0.00	0.0	3.535	0.093	0	0	0	1
PL.18336	PL.18893	B	#1/0 ACSR	7.31Y	121.8	0.00	3.22	0.13	0	1	0	100	0.00	0.0	3.592	0.057	1	0	1	1
PL.18335	PL.18515	B	#1/0 ACSR	7.30Y	121.7	0.04	3.26	19.99	9	142	33	97	0.04	0.0	3.538	0.100	0	0	0	39
PL.18890	PL.18335	B	#1/0 ACSR	7.30Y	121.7	0.00	3.26	0.73	0	5	1	98	0.00	0.0	3.543	0.005	0	0	0	2
PD.2787	PL.18890	B	20T	7.30Y	121.7	0.00	3.26	0.73	0	5	1	98	0.00	0.0	3.543	0.005	0	0	0	2
PL.18891	PD.2787	B	#1/0 ACSR	7.30Y	121.7	0.00	3.26	0.73	0	5	1	98	0.00	0.0	3.587	0.044	5	1	1	2
PL.18338	PL.18891	B	#1/0 ACSR	7.30Y	121.7	0.00	3.26	0.04	0	0	0	100	0.00	0.0	3.657	0.070	0	0	1	1
PL.18337	PL.18335	B	#1/0 ACSR	7.30Y	121.7	0.03	3.29	19.26	8	137	31	98	0.03	0.0	3.606	0.068	4	1	2	37
PL.18339	PL.18337	B	#1/0 ACSR	7.30Y	121.7	0.03	3.32	18.67	8	133	30	98	0.02	0.0	3.670	0.064	4	1	1	35
PL.18340	PL.18339	B	#1/0 ACSR	7.30Y	121.7	0.02	3.33	18.16	8	129	30	97	0.01	0.0	3.710	0.039	0	0	0	34
PL.18516	PL.18340	B	#1/0 ACSR	7.30Y	121.6	0.03	3.37	16.73	7	119	27	98	0.03	0.0	3.799	0.089	0	0	0	32
PL.18535	PL.18516	B	#1/0 ACSR	7.30Y	121.6	0.04	3.41	16.73	7	119	27	98	0.03	0.0	3.913	0.114	0	0	0	32
PL.18884	PL.18535	B	#1/0 ACSR	7.30Y	121.6	0.00	3.41	16.28	7	116	26	98	0.00	0.0	3.918	0.005	0	0	0	29
PD.2784	PL.18884	B	20T	7.30Y	121.6	0.00	3.41	16.28	0	116	26	98	0.00	0.0	3.918	0.005	0	0	0	29
PL.18885	PD.2784	B	#1/0 ACSR	7.29Y	121.6	0.03	3.44	16.28	7	116	26	98	0.02	0.0	4.001	0.084	10	2	2	29
PL.18345	PL.18885	B	#1/0 ACSR	7.29Y	121.5	0.02	3.46	14.91	6	106	24	98	0.02	0.0	4.072	0.070	5	1	1	27
PL.18346	PL.18345	B	#1/0 ACSR	7.29Y	121.5	0.03	3.49	14.19	6	101	23	98	0.02	0.0	4.157	0.085	0	0	0	26
PL.18347	PL.18346	B	#1/0 ACSR	7.29Y	121.5	0.02	3.51	14.19	6	101	23	98	0.01	0.0	4.223	0.067	0	0	0	26
PL.18517	PL.18347	B	#1/0 ACSR	7.29Y	121.5	0.02	3.54	6.94	3	49	11	98	0.01	0.0	4.384	0.161	4	1	1	14
PL.18348	PL.18517	B	#1/0 ACSR	7.29Y	121.5	0.01	3.55	6.35	3	45	10	98	0.00	0.0	4.473	0.088	0	0	0	13
PL.18356	PL.18348	B	#1/0 ACSR	7.29Y	121.4	0.03	3.57	6.35	3	45	10	98	0.01	0.0	4.655	0.182	0	0	0	13
PL.18536	PL.18356	B	#1/0 ACSR	7.28Y	121.4	0.02	3.60	6.35	3	45	10	98	0.01	0.0	4.818	0.164	0	0	0	13
PL.18537	PL.18536	B	#1/0 ACSR	7.28Y	121.4	0.02	3.61	6.35	3	45	10	98	0.00	0.0	4.940	0.122	5	1	3	13
PL.18881	PL.18537	B	#4 ACSR	7.28Y	121.4	0.00	3.61	2.15	2	15	3	98	0.00	0.0	4.945	0.005	0	0	0	3
PD.2782	PL.18881	B	12T	7.28Y	121.4	0.00	3.61	2.15	0	15	3	98	0.00	0.0	4.945	0.005	0	0	0	3
PL.18880	PD.2782	B	#4 ACSR	7.28Y	121.4	0.01	3.62	2.15	2	15	3	98	0.00	0.0	5.015	0.070	0	0	0	3
PL.18357	PL.18880	B	#4 ACSR	7.28Y	121.4	0.00	3.62	0.73	1	5	1	98	0.00	0.0	5.082	0.067	5	1	1	1
PL.18358	PL.18880	B	#4 ACSR	7.28Y	121.4	0.00	3.62	1.43	1	10	2	98	0.00	0.0	5.061	0.045	10	2	2	2
PL.18359	PL.18537	B	#1/0 ACSR	7.28Y	121.4	0.01	3.63	3.52	2	25	6	97	0.00	0.0	5.127	0.186	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: Beattyville

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.18360	PL.18359	B	#1/0 ACSR	7.28Y	121.4	0.01	3.64	3.52	2	25	6	97	0.00	0.0	5.281	0.154	0	0	0	7
PL.18878	PL.18360	B	#4 ACSR	7.28Y	121.4	0.00	3.64	2.57	2	18	4	98	0.00	0.0	5.285	0.005	0	0	0	5
PD.2781	PL.18878	B	12T	7.28Y	121.4	0.00	3.64	2.57	0	18	4	98	0.00	0.0	5.285	0.005	0	0	0	5
PL.18879	PD.2781	B	#4 ACSR	7.28Y	121.3	0.02	3.66	2.57	2	18	4	98	0.00	0.0	5.427	0.142	0	0	0	5
PL.18362	PL.18879	B	#4 ACSR	7.28Y	121.3	0.01	3.66	2.57	2	18	4	98	0.00	0.0	5.489	0.062	0	0	0	5
PL.18363	PL.18362	B	#4 ACSR	7.28Y	121.3	0.01	3.68	2.57	2	18	4	98	0.00	0.0	5.590	0.101	0	0	0	5
PL.18539	PL.18363	B	#4 ACSR	7.28Y	121.3	0.02	3.70	2.57	2	18	4	98	0.00	0.0	5.765	0.175	0	0	0	5
PL.18710	PL.18539	B	#4 ACSR	7.28Y	121.3	0.00	3.70	2.57	2	18	4	98	0.00	0.0	5.813	0.048	8	2	2	5
PL.18711	PL.18710	B	#4 ACSR	7.28Y	121.3	0.01	3.71	1.45	1	10	2	98	0.00	0.0	5.977	0.165	0	0	0	3
PL.18583	PL.18711	B	#4 ACSR	7.28Y	121.3	0.00	3.71	0.03	0	0	0	100	0.00	0.0	6.058	0.081	0	0	2	2
PL.18364	PL.18711	B	#2 ACSR	7.28Y	121.3	0.00	3.71	1.43	1	10	2	98	0.00	0.0	6.029	0.052	10	2	1	1
PL.18361	PL.18879	B	6 A (CWC)	7.28Y	121.3	0.00	3.66	0.00	0	0	0	100	0.00	0.0	5.474	0.046	0	0	0	0
PL.18932	PL.18360	B	#4 ACSR	7.28Y	121.4	0.00	3.64	0.95	1	7	2	96	0.00	0.0	5.285	0.004	0	0	0	2
PD.2807	PL.18932	B	12T	7.28Y	121.4	0.00	3.64	0.95	0	7	2	96	0.00	0.0	5.285	0.004	0	0	0	2
PL.18933	PD.2807	B	#4 ACSR	7.28Y	121.4	0.01	3.65	0.95	1	7	2	96	0.00	0.0	5.423	0.138	0	0	0	2
PL.18538	PL.18933	B	#4 ACSR	7.28Y	121.3	0.00	3.65	0.95	1	7	2	96	0.00	0.0	5.534	0.111	0	0	0	2
PL.18365	PL.18538	B	#4 ACSR	7.28Y	121.3	0.01	3.66	0.95	1	7	2	96	0.00	0.0	5.688	0.154	0	0	0	2
PL.18366	PL.18365	B	#1/0 ACSR	7.28Y	121.3	0.00	3.66	0.49	0	3	1	95	0.00	0.0	5.748	0.060	3	1	1	1
PL.18369	PL.18365	B	#4 ACSR	7.28Y	121.3	0.00	3.66	0.46	0	3	1	95	0.00	0.0	5.887	0.199	0	0	0	1
PL.18368	PL.18369	B	#4 ACSR	7.28Y	121.3	0.00	3.66	0.46	0	3	1	95	0.00	0.0	5.942	0.054	0	0	0	1
PL.18367	PL.18368	B	#4 ACSR	7.28Y	121.3	0.00	3.66	0.46	0	3	1	95	0.00	0.0	6.034	0.092	3	1	1	1
PL.18882	PL.18347	B	6 A (CWC)	7.29Y	121.5	0.00	3.51	7.25	5	52	12	97	0.00	0.0	4.228	0.005	0	0	0	12
PD.2783	PL.18882	B	12T	7.29Y	121.5	0.00	3.51	7.25	0	52	12	97	0.00	0.0	4.228	0.005	0	0	0	12
PL.18883	PD.2783	B	6 A (CWC)	7.29Y	121.5	0.00	3.52	7.25	5	52	12	97	0.00	0.0	4.236	0.008	3	1	1	12
PL.18713	PL.18883	B	6 A (CWC)	7.29Y	121.5	0.01	3.53	6.79	5	48	11	97	0.00	0.0	4.275	0.039	0	0	0	11
PL.18349	PL.18713	B	6 A (CWC)	7.29Y	121.4	0.04	3.57	6.79	5	48	11	97	0.01	0.0	4.401	0.126	0	0	0	11
PL.18714	PL.18349	B	#4 ACSR	7.29Y	121.4	0.01	3.58	6.79	5	48	11	97	0.00	0.0	4.433	0.032	1	0	1	11
PL.18715	PL.18714	B	#4 ACSR	7.28Y	121.4	0.03	3.61	6.69	5	48	11	97	0.01	0.0	4.544	0.111	0	0	0	10
PL.18351	PL.18715	B	#2 ACSR	7.28Y	121.4	0.00	3.61	0.13	0	1	0	100	0.00	0.0	4.564	0.020	1	0	1	1
PL.18518	PL.18715	B	#4 ACSR	7.28Y	121.4	0.00	3.61	2.64	2	19	4	98	0.00	0.0	4.574	0.030	0	0	0	5
PL.18350	PL.18518	B	#4 ACSR	7.28Y	121.4	0.00	3.61	0.00	0	0	0	100	0.00	0.0	4.586	0.011	0	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: Beattyville

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.18718	PL.18518	B	#2 ACSR	7.28Y	121.4	0.01	3.62	2.64	2	19	4	98	0.00	0.0	4.651	0.077	2	0	1	4
PL.18719	PL.18718	B	#2 ACSR	7.28Y	121.4	0.00	3.62	2.36	1	17	4	97	0.00	0.0	4.716	0.066	8	2	2	3
PL.18712	PL.18719	B	#2 ACSR	7.28Y	121.4	0.00	3.62	1.24	1	9	2	98	0.00	0.0	4.791	0.075	9	2	1	1
PL.18352	PL.18715	B	#4 ACSR	7.28Y	121.4	0.02	3.62	3.92	3	28	6	98	0.00	0.0	4.635	0.091	0	0	0	4
PL.18354	PL.18352	B	#4 ACSR	7.28Y	121.4	0.01	3.63	3.92	3	28	6	98	0.00	0.0	4.691	0.056	13	3	1	3
PL.18355	PL.18354	B	#4 ACSR	7.28Y	121.4	0.00	3.63	2.10	2	15	3	98	0.00	0.0	4.762	0.071	15	3	2	2
PL.18353	PL.18352	B	#2 ACSR	7.28Y	121.4	0.00	3.62	0.00	0	0	0	100	0.00	0.0	4.791	0.156	0	0	0	1
PL.18716	PL.18353	B	#2 ACSR	7.28Y	121.4	0.00	3.62	0.00	0	0	0	100	0.00	0.0	4.893	0.101	0	0	1	1
PL.18717	PL.18716	B	#2 ACSR	7.28Y	121.4	0.00	3.62	0.00	0	0	0	100	0.00	0.0	5.006	0.113	0	0	0	0
PL.18343	PL.18535	B	#1/0 ACSR	7.30Y	121.6	0.00	3.41	0.46	0	3	1	95	0.00	0.0	3.946	0.033	0	0	0	3
PL.18886	PL.18343	B	#1/0 ACSR	7.30Y	121.6	0.00	3.41	0.46	0	3	1	95	0.00	0.0	3.951	0.005	0	0	0	2
PD.2785	PL.18886	B	20T	7.30Y	121.6	0.00	3.41	0.46	0	3	1	95	0.00	0.0	3.951	0.005	0	0	0	2
PL.18887	PD.2785	B	#1/0 ACSR	7.30Y	121.6	0.00	3.41	0.46	0	3	1	95	0.00	0.0	3.981	0.031	3	1	2	2
PL.18344	PL.18343	B	#1/0 ACSR	7.30Y	121.6	0.00	3.41	0.00	0	0	0	100	0.00	0.0	4.074	0.128	0	0	1	1
PL.18888	PL.18340	B	#2 ACSR	7.30Y	121.7	0.00	3.33	1.42	1	10	2	98	0.00	0.0	3.714	0.004	0	0	0	2
PD.2786	PL.18888	B	20T	7.30Y	121.7	0.00	3.33	1.42	0	10	2	98	0.00	0.0	3.714	0.004	0	0	0	2
PL.18889	PD.2786	B	#2 ACSR	7.30Y	121.7	0.00	3.34	1.42	1	10	2	98	0.00	0.0	3.805	0.091	0	0	0	2
PL.18341	PL.18889	B	#2 ACSR	7.30Y	121.7	0.00	3.34	1.42	1	10	2	98	0.00	0.0	3.958	0.154	10	2	1	2
PL.18342	PL.18341	B	#2 ACSR	7.30Y	121.7	0.00	3.34	0.00	0	0	0	100	0.00	0.0	4.113	0.154	0	0	1	1
PL.18930	PL.18318	B	#4 ACSR	7.34Y	122.3	0.00	2.74	2.01	2	14	3	98	0.00	0.0	2.557	0.005	0	0	0	1
PD.2806	PL.18930	B	20T	7.34Y	122.3	0.00	2.74	2.01	0	14	3	98	0.00	0.0	2.557	0.005	0	0	0	1
PL.18931	PD.2806	B	#4 ACSR	7.34Y	122.3	0.00	2.75	2.01	2	14	3	98	0.00	0.0	2.593	0.037	14	3	1	1
PL.18898	PL.18318	B	#1/0 ACSR	7.34Y	122.3	0.00	2.74	2.99	1	21	5	97	0.00	0.0	2.557	0.005	0	0	0	3
PD.2791	PL.18898	B	20T	7.34Y	122.3	0.00	2.74	2.99	0	21	5	97	0.00	0.0	2.557	0.005	0	0	0	3
PL.18899	PD.2791	B	#1/0 ACSR	7.34Y	122.3	0.00	2.75	2.99	1	21	5	97	0.00	0.0	2.578	0.021	6	1	1	3
PL.18720	PL.18899	B	#1/0 ACSR	7.34Y	122.3	0.00	2.75	2.17	1	16	4	97	0.00	0.0	2.612	0.034	16	4	2	2
PL.18571	PL.18609	ABC	#3/0 ACSR	7.34Y	122.3	0.04	2.66	53.89	18	1148	302	97	0.31	0.0	2.438	0.064	0	0	1	267
PL.18566	PL.18571	ABC	#3/0 ACSR	7.34Y	122.3	0.04	2.70	53.89	18	1148	302	97	0.30	0.0	2.501	0.062	2	1	3	266
PL.18786	PL.18566	A	#4 ACSR	7.34Y	122.3	0.00	2.70	0.00	0	0	0	100	0.00	0.0	2.505	0.005	0	0	0	1
PD.2733	PL.18786	A	65T	7.34Y	122.3	0.00	2.70	0.00	0	0	0	100	0.00	0.0	2.505	0.005	0	0	0	1
PL.18787	PD.2733	A	#4 ACSR	7.34Y	122.3	0.00	2.70	0.00	0	0	0	100	0.00	0.0	2.513	0.008	0	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: Beattyville

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.18610	PL.18566	ABC	#3/0 ACSR	7.34Y	122.3	0.03	2.73	53.78	18	1145	301	97	0.20	0.0	2.541	0.041	0	0	0	262
PL.18978	PL.18610	ABC	#3/0 ACSR	7.34Y	122.3	0.00	2.73	53.78	18	1145	300	97	0.01	0.0	2.544	0.003	0	0	0	262
PD.2835	PL.18978	ABC	300VWE	7.34Y	122.3	0.00	2.73	53.78	0	1145	300	97	0.00	0.0	2.544	0.003	0	0	0	262
PL.18979	PD.2835	ABC	#3/0 ACSR	7.33Y	122.2	0.03	2.76	53.78	18	1145	300	97	0.25	0.0	2.596	0.052	3	1	1	262
PL.18611	PL.18979	ABC	#3/0 ACSR	7.33Y	122.2	0.04	2.80	53.63	18	1141	299	97	0.30	0.0	2.659	0.063	6	1	1	261
PL.18776	PL.18611	C	#4 ACSR	7.33Y	122.2	0.00	2.80	0.97	1	7	2	96	0.00	0.0	2.664	0.005	0	0	0	1
PD.2728	PL.18776	C	30T	7.33Y	122.2	0.00	2.80	0.97	0	7	2	96	0.00	0.0	2.664	0.005	0	0	0	1
PL.18777	PD.2728	C	#4 ACSR	7.33Y	122.2	0.00	2.81	0.97	1	7	2	96	0.00	0.0	2.781	0.117	7	2	1	1
PL.18554	PL.18611	ABC	#3/0 ACSR	7.33Y	122.1	0.06	2.87	53.02	18	1128	296	97	0.44	0.0	2.752	0.093	3	1	1	259
PL.18638	PL.18554	ABC	#3/0 ACSR	7.33Y	122.1	0.05	2.92	52.14	17	1109	291	97	0.35	0.0	2.831	0.079	15	3	5	255
PL.18639	PL.18638	ABC	#3/0 ACSR	7.32Y	122.1	0.02	2.94	51.45	17	1094	287	97	0.14	0.0	2.862	0.031	0	0	0	250
PL.18636	PL.18639	ABC	#3/0 ACSR	7.32Y	122.0	0.05	2.98	51.18	17	1088	286	97	0.31	0.0	2.933	0.072	4	1	4	249
PL.18637	PL.18636	ABC	#3/0 ACSR	7.32Y	122.0	0.06	3.04	51.01	17	1084	284	97	0.39	0.0	3.022	0.089	5	1	4	245
PL.18810	PL.18637	A	6 A (CWC)	7.32Y	122.0	0.00	3.04	4.41	3	31	7	98	0.00	0.0	3.027	0.005	0	0	0	6
PD.2745	PL.18810	A	30T	7.32Y	122.0	0.00	3.04	4.41	0	31	7	98	0.00	0.0	3.027	0.005	0	0	0	6
PL.18811	PD.2745	A	6 A (CWC)	7.32Y	122.0	0.01	3.05	4.41	3	31	7	98	0.00	0.0	3.061	0.034	3	1	1	6
PL.18645	PL.18811	A	6 A (CWC)	7.32Y	122.0	0.00	3.05	4.06	3	29	7	97	0.00	0.0	3.102	0.041	22	5	3	5
PL.18311	PL.18645	A	#4 ACSR	7.32Y	121.9	0.01	3.06	0.97	1	7	2	96	0.00	0.0	3.223	0.121	0	0	0	2
PL.18540	PL.18311	A	#4 ACSR	7.32Y	121.9	0.00	3.06	0.97	1	7	2	96	0.00	0.0	3.340	0.116	6	1	1	2
PL.18310	PL.18540	A	#1/0 ACSR	7.32Y	121.9	0.00	3.06	0.12	0	1	0	100	0.00	0.0	3.384	0.044	1	0	1	1
PL.18548	PL.18637	ABC	#3/0 ACSR	7.31Y	121.9	0.05	3.09	49.31	16	1047	275	97	0.33	0.0	3.102	0.080	3	1	5	235
PL.18549	PL.18548	ABC	#3/0 ACSR	7.31Y	121.9	0.05	3.14	49.17	16	1044	274	97	0.35	0.0	3.188	0.086	6	1	1	227
PL.18826	PL.18549	A	6 A (CWC)	7.31Y	121.9	0.00	3.14	1.58	1	11	3	96	0.00	0.0	3.193	0.005	0	0	0	6
PD.2752	PL.18826	A	30T	7.31Y	121.9	0.00	3.14	1.58	0	11	3	96	0.00	0.0	3.193	0.005	0	0	0	6
PL.18827	PD.2752	A	6 A (CWC)	7.31Y	121.9	0.00	3.14	1.58	1	11	3	96	0.00	0.0	3.234	0.042	11	3	6	6
PL.18309	PL.18549	ABC	#3/0 ACSR	7.31Y	121.8	0.08	3.21	48.36	16	1026	270	97	0.49	0.0	3.313	0.125	0	0	0	220
PL.18824	PL.18309	A	6 A (CWC)	7.31Y	121.8	0.00	3.22	1.62	1	12	3	97	0.00	0.0	3.317	0.005	0	0	0	5
PD.2751	PL.18824	A	30T	7.31Y	121.8	0.00	3.22	1.62	0	12	3	97	0.00	0.0	3.317	0.005	0	0	0	5
PL.18825	PD.2751	A	6 A (CWC)	7.31Y	121.8	0.00	3.22	1.62	1	12	3	97	0.00	0.0	3.381	0.064	4	1	2	5
PL.18642	PL.18825	A	6 A (CWC)	7.31Y	121.8	0.00	3.22	1.11	1	8	2	97	0.00	0.0	3.472	0.091	4	1	2	3
PL.18312	PL.18642	A	#4 ACSR	7.31Y	121.8	0.00	3.22	0.55	0	4	1	97	0.00	0.0	3.492	0.020	0	0	0	1

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Balanced Voltage Drop Report
Source: Beattyville

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.18514	PL.18312	A	#4 ACSR	7.31Y	121.8	0.00	3.22	0.55	0	4	1	97	0.00	0.0	3.561	0.068	4	1	1	1
PL.18313	PL.18312	A	#4 ACSR	7.31Y	121.8	0.00	3.22	0.00	0	0	0	100	0.00	0.0	3.614	0.121	0	0	0	0
PL.18541	PL.18313	A	#4 ACSR	7.31Y	121.8	0.00	3.22	0.00	0	0	0	100	0.00	0.0	3.740	0.126	0	0	0	0
PL.18644	PL.18309	ABC	#3/0 ACSR	7.30Y	121.7	0.04	3.25	47.82	16	1014	266	97	0.26	0.0	3.380	0.067	7	2	2	215
PL.18820	PL.18644	ABC	#3/0 ACSR	7.30Y	121.7	0.03	3.29	47.49	16	1006	264	97	0.20	0.0	3.433	0.054	0	0	0	213
PL.18821	PL.18820	ABC	#3/0 ACSR	7.30Y	121.7	0.00	3.29	47.49	16	1006	264	97	0.02	0.0	3.438	0.004	0	0	0	213
PL.18818	PL.18821	C	#4 ACSR	7.30Y	121.7	0.00	3.29	7.22	6	51	12	97	0.00	0.0	3.442	0.005	0	0	0	8
PD.2749	PL.18818	C	25T	7.30Y	121.7	0.00	3.29	7.22	0	51	12	97	0.00	0.0	3.442	0.005	0	0	0	8
PL.18819	PD.2749	C	#4 ACSR	7.30Y	121.7	0.02	3.31	7.22	6	51	12	97	0.01	0.0	3.510	0.068	0	0	0	8
PL.18382	PL.18819	C	#4 ACSR	7.30Y	121.7	0.02	3.33	7.22	6	51	12	97	0.01	0.0	3.565	0.055	0	0	0	8
PL.18542	PL.18382	C	#4 ACSR	7.30Y	121.6	0.06	3.39	7.22	6	51	12	97	0.02	0.0	3.747	0.182	0	0	0	8
PL.18383	PL.18542	C	#4 ACSR	7.29Y	121.6	0.04	3.42	5.92	5	42	10	97	0.01	0.0	3.925	0.178	20	5	3	6
PL.18403	PL.18383	C	#1/0 ACSR	7.29Y	121.6	0.01	3.43	3.11	1	22	5	98	0.00	0.0	4.055	0.130	0	0	0	3
PL.18543	PL.18403	C	#1/0 ACSR	7.29Y	121.6	0.01	3.44	3.11	1	22	5	98	0.00	0.0	4.173	0.118	0	0	0	3
PL.17133	PL.18543	C	#1/0 ACSR	7.29Y	121.6	0.01	3.45	3.11	1	22	5	98	0.00	0.0	4.310	0.138	0	0	0	3
PL.17176	PL.17133	C	#1/0 ACSR	7.29Y	121.5	0.00	3.45	3.11	1	22	5	98	0.00	0.0	4.382	0.071	0	0	1	3
PL.17177	PL.17176	C	#1/0 ACSR	7.29Y	121.5	0.00	3.46	1.90	1	13	3	97	0.00	0.0	4.433	0.051	13	3	1	1
PL.18900	PL.17176	C	1/0 AL URD	7.29Y	121.5	0.00	3.45	1.21	1	9	2	98	0.00	0.0	4.386	0.005	0	0	0	1
PD.2792	PL.18900	C	20T	7.29Y	121.5	0.00	3.45	1.21	0	9	2	98	0.00	0.0	4.386	0.005	0	0	0	1
PL.18901	PD.2792	C	1/0 AL URD	7.29Y	121.5	0.00	3.46	1.21	1	9	2	98	0.00	0.0	4.420	0.033	9	2	1	1
PL.18724	PL.18542	C	#4 ACSR	7.30Y	121.6	0.00	3.39	1.30	1	9	2	98	0.00	0.0	3.815	0.068	0	0	1	2
PL.18725	PL.18724	C	#4 ACSR	7.30Y	121.6	0.00	3.39	1.30	1	9	2	98	0.00	0.0	3.911	0.096	9	2	1	1
PL.18721	PL.18725	C	#4 ACSR	7.30Y	121.6	0.00	3.39	0.00	0	0	0	100	0.00	0.0	3.989	0.079	0	0	0	0
PL.18513	PL.18821	ABC	#3/0 ACSR	7.30Y	121.7	0.02	3.31	45.08	15	955	252	97	0.10	0.0	3.467	0.029	0	0	0	205
PL.18822	PL.18513	A	6 A (CWC)	7.30Y	121.7	0.00	3.31	0.46	0	3	1	95	0.00	0.0	3.471	0.005	0	0	0	2
PD.2750	PL.18822	A	30T	7.30Y	121.7	0.00	3.31	0.46	0	3	1	95	0.00	0.0	3.471	0.005	0	0	0	2
PL.18823	PD.2750	A	6 A (CWC)	7.30Y	121.7	0.00	3.31	0.46	0	3	1	95	0.00	0.0	3.503	0.032	0	0	0	2
PL.18640	PL.18823	A	6 A (CWC)	7.30Y	121.7	0.00	3.31	0.46	0	3	1	95	0.00	0.0	3.643	0.139	1	0	1	2
PL.18641	PL.18640	A	6 A (CWC)	7.30Y	121.7	0.00	3.31	0.33	0	2	1	89	0.00	0.0	3.725	0.083	2	1	1	1
PL.18314	PL.18823	A	#4 ACSR	7.30Y	121.7	0.00	3.31	0.00	0	0	0	100	0.00	0.0	3.554	0.051	0	0	0	0
PL.18512	PL.18513	ABC	#3/0 ACSR	7.30Y	121.6	0.08	3.38	44.63	15	945	250	97	0.46	0.0	3.605	0.139	0	0	0	202

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Balanced Voltage Drop Report
Source: Beattyville

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.18511	PL.18512	ABC	#3/0 ACSR	7.29Y	121.5	0.08	3.46	43.57	15	922	244	97	0.45	0.0	3.748	0.142	0	0	0	198
PL.18381	PL.18511	B	#4 ACSR	7.29Y	121.5	0.02	3.48	11.24	9	80	18	98	0.01	0.0	3.793	0.045	0	0	0	21
PL.18903	PL.18381	B	#4 ACSR	7.29Y	121.5	0.01	3.50	11.24	9	80	18	98	0.01	0.0	3.820	0.027	0	0	0	21
PD.2793	PL.18903	B	25T	7.29Y	121.5	0.00	3.50	11.24	0	80	18	98	0.00	0.0	3.820	0.027	0	0	0	21
PL.18902	PD.2793	B	#4 ACSR	7.29Y	121.5	0.04	3.53	11.24	9	80	18	98	0.02	0.0	3.897	0.077	8	2	1	21
PL.18728	PL.18902	B	#4 ACSR	7.29Y	121.4	0.03	3.56	10.15	8	72	16	98	0.01	0.0	3.963	0.066	10	2	1	20
PL.18729	PL.18728	B	#4 ACSR	7.29Y	121.4	0.02	3.58	8.72	7	62	14	98	0.01	0.0	4.022	0.059	0	0	0	19
PL.18370	PL.18729	B	#4 ACSR	7.28Y	121.4	0.02	3.60	8.72	7	62	14	98	0.01	0.0	4.077	0.055	0	0	0	19
PL.18372	PL.18370	B	#4 ACSR	7.28Y	121.4	0.03	3.63	8.64	7	61	14	97	0.01	0.0	4.152	0.075	6	1	1	17
PL.18726	PL.18372	B	#4 ACSR	7.28Y	121.4	0.02	3.65	6.60	5	47	11	97	0.01	0.0	4.208	0.057	0	0	0	12
PL.18727	PL.18726	B	#4 ACSR	7.28Y	121.3	0.02	3.66	6.60	5	47	11	97	0.01	0.0	4.270	0.061	9	2	3	12
PL.18374	PL.18727	B	#4 ACSR	7.28Y	121.3	0.00	3.66	0.79	1	6	1	99	0.00	0.0	4.346	0.076	6	1	1	1
PL.18375	PL.18727	B	#4 ACSR	7.28Y	121.3	0.01	3.67	4.47	3	32	7	98	0.00	0.0	4.331	0.062	0	0	0	8
PL.18376	PL.18375	B	#4 ACSR	7.28Y	121.3	0.01	3.68	4.47	3	32	7	98	0.00	0.0	4.386	0.055	15	3	2	8
PL.18377	PL.18376	B	#4 ACSR	7.28Y	121.3	0.00	3.69	2.43	2	17	4	97	0.00	0.0	4.414	0.028	0	0	0	6
PL.18509	PL.18377	B	#4 ACSR	7.28Y	121.3	0.00	3.69	1.40	1	10	2	98	0.00	0.0	4.430	0.016	0	0	0	5
PL.18510	PL.18509	B	#4 ACSR	7.28Y	121.3	0.00	3.69	1.40	1	10	2	98	0.00	0.0	4.487	0.057	3	1	1	5
PL.18722	PL.18510	B	#4 ACSR	7.28Y	121.3	0.00	3.69	0.94	1	7	2	96	0.00	0.0	4.517	0.030	0	0	2	4
PL.18723	PL.18722	B	#4 ACSR	7.28Y	121.3	0.00	3.69	0.93	1	7	1	99	0.00	0.0	4.573	0.057	7	1	2	2
PL.18378	PL.18377	B	#4 ACSR	7.28Y	121.3	0.00	3.69	1.03	1	7	2	96	0.00	0.0	4.506	0.092	7	2	1	1
PL.18373	PL.18372	B	#1/0 ACSR	7.28Y	121.4	0.00	3.63	1.26	1	9	2	98	0.00	0.0	4.260	0.109	0	0	0	4
PL.17134	PL.18373	B	#1/0 ACSR	7.28Y	121.4	0.00	3.64	1.26	1	9	2	98	0.00	0.0	4.386	0.126	0	0	0	4
PL.17135	PL.17134	B	#1/0 ACSR	7.28Y	121.4	0.00	3.64	1.26	1	9	2	98	0.00	0.0	4.499	0.113	9	2	4	4
PL.18371	PL.18370	B	#4 ACSR	7.28Y	121.4	0.00	3.60	0.09	0	1	0	100	0.00	0.0	4.156	0.078	1	0	2	2
PL.18384	PL.18511	ABC	#3/0 ACSR	7.29Y	121.5	0.04	3.50	39.82	13	842	225	97	0.21	0.0	3.827	0.079	0	0	0	177
PL.18958	PL.18384	ABC	6 A (CWC)	7.29Y	121.5	0.00	3.50	0.20	0	4	2	89	0.00	0.0	3.832	0.005	0	0	0	2
PD.2823	PL.18958	ABC	30T	7.29Y	121.5	0.00	3.50	0.20	0	4	2	89	0.00	0.0	3.832	0.005	0	0	0	2
PL.18959	PD.2823	ABC	6 A (CWC)	7.29Y	121.5	0.00	3.50	0.20	0	4	2	89	0.00	0.0	3.840	0.009	4	2	2	2
PL.18508	PL.18384	ABC	#3/0 ACSR	7.29Y	121.4	0.08	3.58	39.63	13	837	223	97	0.43	0.1	3.990	0.162	0	0	0	175
PL.18387	PL.18508	B	6 A (CWC)	7.29Y	121.4	0.00	3.58	1.22	1	9	2	98	0.00	0.0	3.994	0.005	0	0	0	3
PD.2808	PL.18387	B	30T	7.29Y	121.4	0.00	3.58	1.22	0	9	2	98	0.00	0.0	3.994	0.005	0	0	0	3

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

Balanced Voltage Drop Report
Source: Beattyville

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.18524	PD.2808	B	6 A (CWC)	7.29Y	121.4	0.00	3.58	1.22	1	9	2	98	0.00	0.0	4.049	0.055	5	1	2	3
PL.18388	PL.18524	B	#1/0 ACSR	7.28Y	121.4	0.00	3.58	0.56	0	4	1	97	0.00	0.0	4.140	0.091	0	0	0	1
PL.18836	PL.18388	B	1/0 AL URD	7.28Y	121.4	0.00	3.58	0.56	0	4	1	97	0.00	0.0	4.144	0.005	0	0	0	1
PD.2758	PL.18836	B	20T	7.28Y	121.4	0.00	3.58	0.56	0	4	1	97	0.00	0.0	4.144	0.005	0	0	0	1
PL.18837	PD.2758	B	1/0 AL URD	7.28Y	121.4	0.00	3.58	0.56	0	4	1	97	0.00	0.0	4.169	0.025	0	0	0	1
PL.18834	PL.18837	B	#1/0 ACSR	7.28Y	121.4	0.00	3.58	0.56	0	4	1	97	0.00	0.0	4.174	0.005	0	0	0	1
PD.2757	PL.18834	B	12T	7.28Y	121.4	0.00	3.58	0.56	0	4	1	97	0.00	0.0	4.174	0.005	0	0	0	1
PL.18835	PD.2757	B	#1/0 ACSR	7.28Y	121.4	0.00	3.58	0.56	0	4	1	97	0.00	0.0	4.236	0.062	4	1	1	1
PL.18663	PL.18508	ABC	#3/0 ACSR	7.28Y	121.4	0.03	3.61	39.02	13	824	220	97	0.17	0.0	4.057	0.068	8	2	1	171
PL.18664	PL.18663	ABC	#3/0 ACSR	7.28Y	121.4	0.03	3.64	38.63	13	816	217	97	0.15	0.0	4.118	0.061	11	3	3	170
PL.17172	PL.18664	ABC	#3/0 ACSR	7.28Y	121.3	0.04	3.68	37.60	13	794	212	97	0.19	0.0	4.200	0.081	4	1	2	165
PL.18840	PL.17172	C	6 A (CWC)	7.28Y	121.3	0.00	3.68	3.94	3	28	6	98	0.00	0.0	4.204	0.005	0	0	0	7
PD.2760	PL.18840	C	30T	7.28Y	121.3	0.00	3.68	3.94	0	28	6	98	0.00	0.0	4.204	0.005	0	0	0	7
PL.18841	PD.2760	C	6 A (CWC)	7.28Y	121.3	0.01	3.69	3.94	3	28	6	98	0.00	0.0	4.282	0.078	2	1	1	7
PL.18390	PL.18841	C	6 A (CWC)	7.28Y	121.3	0.01	3.71	3.57	3	25	6	97	0.00	0.0	4.380	0.098	11	3	1	4
PL.18392	PL.18390	C	#2 ACSR	7.28Y	121.3	0.00	3.71	0.86	0	6	1	99	0.00	0.0	4.452	0.073	6	1	1	1
PL.18391	PL.18390	C	6 A (CWC)	7.28Y	121.3	0.01	3.71	1.12	1	8	2	97	0.00	0.0	4.482	0.102	0	0	0	2
PL.18661	PL.18391	C	6 A (CWC)	7.28Y	121.3	0.00	3.71	1.12	1	8	2	97	0.00	0.0	4.514	0.032	6	1	1	2
PL.18662	PL.18661	C	6 A (CWC)	7.28Y	121.3	0.00	3.71	0.31	0	2	1	89	0.00	0.0	4.571	0.057	2	1	1	1
PL.17170	PL.18841	C	6 A (CWC)	7.28Y	121.3	0.00	3.69	0.06	0	0	0	100	0.00	0.0	4.329	0.047	0	0	2	2
PL.18389	PL.17170	C	6 A (CWC)	7.28Y	121.3	0.00	3.69	0.00	0	0	0	100	0.00	0.0	4.421	0.092	0	0	0	0
PL.17171	PL.17172	ABC	#3/0 ACSR	7.28Y	121.3	0.04	3.72	36.09	12	761	205	97	0.20	0.0	4.292	0.093	0	0	0	156
PL.18838	PL.17171	B	#2 ACSR	7.28Y	121.3	0.00	3.72	8.04	5	57	13	97	0.00	0.0	4.297	0.005	0	0	0	10
PD.2759	PL.18838	B	20T	7.28Y	121.3	0.00	3.72	8.04	0	57	13	97	0.00	0.0	4.297	0.005	0	0	0	10
PL.18839	PD.2759	B	#2 ACSR	7.28Y	121.3	0.02	3.74	8.04	5	57	13	97	0.01	0.0	4.385	0.088	9	2	1	10
PL.18404	PL.18839	B	#2 ACSR	7.28Y	121.3	0.00	3.75	6.73	4	48	11	97	0.00	0.0	4.397	0.011	0	0	0	9
PL.18507	PL.18404	B	#2 ACSR	7.27Y	121.2	0.01	3.76	5.25	3	37	8	98	0.00	0.0	4.462	0.065	0	0	0	6
PL.18652	PL.18507	B	#4 ACSR	7.27Y	121.2	0.01	3.77	4.04	3	29	7	97	0.00	0.0	4.565	0.103	14	3	3	5
PL.18653	PL.18652	B	#4 ACSR	7.27Y	121.2	0.01	3.78	2.12	2	15	3	98	0.00	0.0	4.640	0.075	8	2	1	2
PL.18651	PL.18653	B	#4 ACSR	7.27Y	121.2	0.00	3.78	0.93	1	7	1	99	0.00	0.0	4.707	0.067	7	1	1	1
PL.18407	PL.18507	B	#2 ACSR	7.27Y	121.2	0.00	3.76	1.21	1	9	2	98	0.00	0.0	4.502	0.040	9	2	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: Beattyville

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.18405	PL.18404	B	#2 ACSR	7.28Y	121.3	0.00	3.75	1.47	1	10	2	98	0.00	0.0	4.471	0.074	10	2	2	3
PL.18406	PL.18405	B	#1/0 ACSR	7.28Y	121.3	0.00	3.75	0.00	0	0	0	100	0.00	0.0	4.593	0.122	0	0	1	1
PL.18657	PL.17171	ABC	#3/0 ACSR	7.27Y	121.2	0.06	3.78	33.41	11	704	191	97	0.25	0.0	4.426	0.134	0	0	0	146
PL.18658	PL.18657	ABC	#3/0 ACSR	7.27Y	121.2	0.04	3.81	33.41	11	704	191	97	0.16	0.0	4.512	0.086	0	0	0	146
PL.18654	PL.18658	ABC	#3/0 ACSR	7.27Y	121.2	0.02	3.84	33.41	11	703	191	97	0.10	0.0	4.566	0.054	8	2	1	146
PL.18655	PL.18654	ABC	#3/0 ACSR	7.27Y	121.1	0.04	3.87	33.05	11	696	189	97	0.16	0.0	4.653	0.088	0	0	0	145
RG.24	PL.18655	ABC	114.3 KVA	7.45Y	124.2	-3.11	0.77	33.05	22	695	189	96	percent Boost= 2.50		Tap= 4.0					145
PL.18506	RG.24	ABC	#3/0 ACSR	7.45Y	124.2	0.01	0.77	32.22	11	695	189	96	0.03	0.0	4.671	0.017	4	1	3	145
PL.18964	PL.18506	ABC	336 MCM AC	7.45Y	124.2	0.00	0.78	31.31	6	675	184	96	0.02	0.0	4.689	0.019	0	0	0	138
PD.2828-A	PL.18964	ABC	Closed	7.45Y	124.2	0.00	0.78	31.31	0	675	184	96	0.00	0.0	4.689	0.019	0	0	0	138
PD.2828-B	PD.2828-A	ABC	Closed	7.45Y	124.2	0.00	0.78	31.31	0	675	184	96	0.00	0.0	4.689	0.019	0	0	0	138
PL.18965	PD.2828-B	ABC	336 MCM AC	7.45Y	124.2	0.03	0.80	31.31	6	675	184	96	0.09	0.0	4.798	0.109	1	0	1	138
PL.18656	PL.18965	ABC	336 MCM AC	7.45Y	124.2	0.01	0.81	31.27	6	675	184	96	0.02	0.0	4.825	0.026	0	0	0	137
PL.18960	PL.18656	ABC	336 MCM AC	7.45Y	124.2	0.00	0.81	0.00	0	0	0	100	0.00	0.0	4.972	0.148	0	0	0	0
PD.2824-A	PL.18960	ABC	Open	7.45Y	124.2	0.00	0.81	0.00	0	0	0	100	0.00	0.0	4.972	0.148	0	0	0	0
PL.18408	PL.18656	ABC	336 MCM AC	7.45Y	124.2	0.03	0.84	31.27	6	675	183	97	0.10	0.0	4.944	0.120	0	0	0	137
PL.17166	PL.18408	ABC	336 MCM AC	7.45Y	124.1	0.02	0.86	31.27	6	675	183	97	0.08	0.0	5.041	0.096	0	0	0	137
PL.17167	PL.17166	ABC	336 MCM AC	7.45Y	124.1	0.00	0.86	31.27	6	674	183	97	0.00	0.0	5.045	0.004	2	0	1	137
PL.18409	PL.17167	A	#1/0 ACSR	7.45Y	124.1	0.00	0.86	1.75	1	13	3	97	0.00	0.0	5.050	0.005	0	0	0	4
PD.2755	PL.18409	A	30T	7.45Y	124.1	0.00	0.86	1.75	0	13	3	97	0.00	0.0	5.050	0.005	0	0	0	4
PL.17164	PD.2755	A	#1/0 ACSR	7.45Y	124.1	0.00	0.86	0.67	0	5	1	98	0.00	0.0	5.054	0.004	0	0	0	2
PL.17165	PL.17164	A	#1/0 ACSR	7.45Y	124.1	0.00	0.86	0.67	0	5	1	98	0.00	0.0	5.054	0.000	0	0	0	2
PL.18649	PL.17165	A	#1/0 ACSR	7.45Y	124.1	0.00	0.86	0.67	0	5	1	98	0.00	0.0	5.104	0.050	3	1	1	2
PL.18650	PL.18649	A	#1/0 ACSR	7.45Y	124.1	0.00	0.86	0.19	0	1	0	100	0.00	0.0	5.147	0.043	1	0	1	1
PL.18647	PD.2755	A	#1/0 ACSR	7.45Y	124.1	0.00	0.86	1.08	0	8	2	97	0.00	0.0	5.071	0.021	0	0	1	2
PL.18648	PL.18647	A	#1/0 ACSR	7.45Y	124.1	0.00	0.86	1.07	0	8	2	97	0.00	0.0	5.113	0.043	8	2	1	1
PL.17163	PL.17167	ABC	336 MCM AC	7.45Y	124.1	0.04	0.90	30.62	6	660	180	96	0.14	0.0	5.217	0.172	0	0	1	132
PL.17162	PL.17163	ABC	336 MCM AC	7.44Y	124.1	0.02	0.92	30.52	6	658	179	96	0.08	0.0	5.326	0.108	0	0	0	130
PL.18700	PL.17162	ABC	336 MCM AC	7.44Y	124.1	0.02	0.94	30.02	6	647	176	96	0.06	0.0	5.403	0.078	2	0	2	128
PL.18701	PL.18700	ABC	336 MCM AC	7.44Y	124.0	0.01	0.95	29.95	6	645	176	96	0.03	0.0	5.449	0.046	0	0	0	126
PL.18874	PL.18701	A	#4 ACSR	7.44Y	124.0	0.00	0.95	1.16	1	8	2	97	0.00	0.0	5.454	0.005	0	0	0	1

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Balanced Voltage Drop Report
Source: Beattyville

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.2779	PL.18874	A	30T	7.44Y	124.0	0.00	0.95	1.16	0	8	2	97	0.00	0.0	5.454	0.005	0	0	0	1
PL.18875	PD.2779	A	#4 ACSR	7.44Y	124.0	0.01	0.96	1.16	1	8	2	97	0.00	0.0	5.596	0.142	0	0	0	1
PL.18872	PL.18875	A	1/0 AL URD	7.44Y	124.0	0.00	0.96	1.16	1	8	2	97	0.00	0.0	5.601	0.005	0	0	0	1
PD.2778	PL.18872	A	20T	7.44Y	124.0	0.00	0.96	1.16	0	8	2	97	0.00	0.0	5.601	0.005	0	0	0	1
PL.18873	PD.2778	A	1/0 AL URD	7.44Y	124.0	0.00	0.96	1.16	1	8	2	97	0.00	0.0	5.653	0.052	8	2	1	1
PL.18698	PL.18701	ABC	336 MCM AC	7.44Y	124.0	0.00	0.95	5.66	1	123	28	98	0.00	0.0	5.481	0.031	3	1	1	26
PL.18699	PL.18698	ABC	336 MCM AC	7.44Y	124.0	0.00	0.95	5.55	1	121	28	97	0.00	0.0	5.526	0.046	0	0	0	25
PL.17161	PL.18699	ABC	336 MCM AC	7.44Y	124.0	0.00	0.96	5.27	1	115	26	98	0.00	0.0	5.576	0.050	11	3	4	24
PL.18942	PL.17161	C	6 A (CWC)	7.44Y	124.0	0.00	0.96	1.96	1	14	3	98	0.00	0.0	5.581	0.005	0	0	0	4
PD.2814	PL.18942	C	30T	7.44Y	124.0	0.00	0.96	1.96	0	14	3	98	0.00	0.0	5.581	0.005	0	0	0	4
PL.18943	PD.2814	C	6 A (CWC)	7.44Y	124.0	0.00	0.96	1.96	1	14	3	98	0.00	0.0	5.624	0.043	12	3	1	4
PL.18683	PL.18943	C	6 A (CWC)	7.44Y	124.0	0.00	0.96	0.29	0	2	0	100	0.00	0.0	5.642	0.018	2	0	1	3
PL.18439	PL.18683	C	6 A (CWC)	7.44Y	124.0	0.00	0.96	0.02	0	0	0	100	0.00	0.0	5.720	0.078	0	0	0	2
PL.18440	PL.18439	C	6 A (CWC)	7.44Y	124.0	0.00	0.96	0.02	0	0	0	100	0.00	0.0	5.792	0.071	0	0	2	2
PL.18684	PL.17161	ABC	336 MCM AC	7.44Y	124.0	0.00	0.96	4.09	1	89	20	98	0.00	0.0	5.616	0.040	1	0	1	16
PL.18685	PL.18684	ABC	336 MCM AC	7.44Y	124.0	0.01	0.96	4.03	1	88	20	98	0.00	0.0	5.800	0.184	4	1	1	15
PL.18938	PL.18685	C	#4 ACSR	7.44Y	124.0	0.00	0.96	2.32	2	17	4	97	0.00	0.0	5.805	0.005	0	0	0	2
PD.2812	PL.18938	C	30T	7.44Y	124.0	0.00	0.96	2.32	0	17	4	97	0.00	0.0	5.805	0.005	0	0	0	2
PL.18939	PD.2812	C	#4 ACSR	7.44Y	124.0	0.00	0.96	2.32	2	17	4	97	0.00	0.0	5.822	0.017	17	4	2	2
PL.18686	PL.18685	ABC	336 MCM AC	7.44Y	124.0	0.00	0.97	3.06	1	67	15	98	0.00	0.0	5.928	0.128	5	1	1	12
PL.18687	PL.18686	ABC	336 MCM AC	7.44Y	124.0	0.00	0.97	2.84	1	62	14	98	0.00	0.0	6.077	0.149	10	2	1	11
PL.17864	PL.18687	ABC	336 MCM AC	7.44Y	124.0	0.00	0.97	2.38	0	52	12	97	0.00	0.0	6.185	0.108	12	3	1	10
PL.17168	PL.17864	ABC	336 MCM AC	7.44Y	124.0	0.00	0.97	1.62	0	35	8	97	0.00	0.0	6.252	0.067	0	0	0	8
PL.18499	PL.17168	ABC	336 MCM AC	7.44Y	124.0	0.00	0.97	1.29	0	28	6	98	0.00	0.0	6.343	0.091	0	0	0	7
PL.17862	PL.18499	ABC	336 MCM AC	7.44Y	124.0	0.00	0.97	0.32	0	7	2	96	0.00	0.0	6.390	0.047	7	2	2	2
PL.17863	PL.17862	ABC	336 MCM AC	7.44Y	124.0	0.00	0.97	0.00	0	0	0	100	0.00	0.0	6.485	0.095	0	0	0	0
PD.2825-A	PL.17863	ABC	Open	7.44Y	124.0	0.00	0.97	0.00	0	0	0	100	0.00	0.0	6.485	0.095	0	0	0	0
PL.18940	PL.18499	C	#4 ACSR	7.44Y	124.0	0.00	0.97	2.08	2	15	3	98	0.00	0.0	6.348	0.005	0	0	0	4
PD.2813	PL.18940	C	30T	7.44Y	124.0	0.00	0.97	2.08	0	15	3	98	0.00	0.0	6.348	0.005	0	0	0	4
PL.18941	PD.2813	C	#4 ACSR	7.44Y	124.0	0.01	0.98	2.08	2	15	3	98	0.00	0.0	6.415	0.067	2	1	1	4
PL.18678	PL.18941	C	#4 ACSR	7.44Y	124.0	0.01	0.98	1.75	1	13	3	97	0.00	0.0	6.511	0.096	1	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: Beattyville

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.18679	PL.18678	C	#4 ACSR	7.44Y	124.0	0.00	0.99	1.64	1	12	3	97	0.00	0.0	6.562	0.051	12	3	2	2
PL.18854	PL.18499	C	#2 ACSR	7.44Y	124.0	0.00	0.97	0.82	0	6	1	99	0.00	0.0	6.348	0.005	0	0	0	1
PD.2769	PL.18854	C	30T	7.44Y	124.0	0.00	0.97	0.82	0	6	1	99	0.00	0.0	6.348	0.005	0	0	0	1
PL.18855	PD.2769	C	#2 ACSR	7.44Y	124.0	0.00	0.97	0.82	0	6	1	99	0.00	0.0	6.411	0.063	6	1	1	1
PL.18856	PL.17168	C	#2 ACSR	7.44Y	124.0	0.00	0.97	0.99	1	7	2	96	0.00	0.0	6.257	0.005	0	0	0	1
PD.2770	PL.18856	C	30T	7.44Y	124.0	0.00	0.97	0.99	0	7	2	96	0.00	0.0	6.257	0.005	0	0	0	1
PL.18857	PD.2770	C	#2 ACSR	7.44Y	124.0	0.00	0.97	0.99	1	7	2	96	0.00	0.0	6.294	0.038	7	2	1	1
PL.18858	PL.17864	A	#1/0 ACSR	7.44Y	124.0	0.00	0.97	0.60	0	4	1	97	0.00	0.0	6.205	0.020	0	0	0	1
PD.2771	PL.18858	A	30T	7.44Y	124.0	0.00	0.97	0.60	0	4	1	97	0.00	0.0	6.205	0.020	0	0	0	1
PL.18859	PD.2771	A	#1/0 ACSR	7.44Y	124.0	0.00	0.97	0.60	0	4	1	97	0.00	0.0	6.269	0.064	4	1	1	1
PL.18864	PL.18699	A	#1/0 ACSR	7.44Y	124.0	0.00	0.95	0.84	0	6	1	99	0.00	0.0	5.531	0.005	0	0	0	1
PD.2774	PL.18864	A	30T	7.44Y	124.0	0.00	0.95	0.84	0	6	1	99	0.00	0.0	5.531	0.005	0	0	0	1
PL.18865	PD.2774	A	#1/0 ACSR	7.44Y	124.0	0.00	0.95	0.84	0	6	1	99	0.00	0.0	5.553	0.023	6	1	1	1
PL.17160	PL.18701	ABC	6 A (CWC)	7.44Y	124.0	0.04	0.99	23.91	17	514	146	96	0.16	0.0	5.493	0.044	11	2	2	99
PL.18411	PL.17160	A	#4 ACSR	7.44Y	124.0	0.00	0.99	0.00	0	0	0	100	0.00	0.0	5.523	0.030	0	0	0	0
PL.18479	PL.18411	A	#4 ACSR	7.44Y	124.0	0.00	0.99	0.00	0	0	0	100	0.00	0.0	5.600	0.076	0	0	0	0
PL.18696	PL.17160	ABC	6 A (CWC)	7.44Y	124.0	0.02	1.01	23.43	17	503	143	96	0.09	0.0	5.517	0.024	10	2	2	97
PL.18697	PL.18696	ABC	6 A (CWC)	7.43Y	123.9	0.07	1.09	22.95	16	492	141	96	0.28	0.1	5.599	0.082	10	2	1	95
PL.18412	PL.18697	A	#2 ACSR	7.43Y	123.9	0.00	1.09	1.70	1	12	3	97	0.00	0.0	5.604	0.005	0	0	0	3
PD.2810	PL.18412	A	30T	7.43Y	123.9	0.00	1.09	1.70	0	12	3	97	0.00	0.0	5.604	0.005	0	0	0	3
PL.17156	PD.2810	A	6 A (CWC)	7.43Y	123.9	0.00	1.09	1.28	1	9	2	98	0.00	0.0	5.609	0.005	0	0	0	2
PL.17157	PL.17156	A	6 A (CWC)	7.43Y	123.9	0.00	1.09	1.28	1	9	2	98	0.00	0.0	5.609	0.000	0	0	0	2
PL.18413	PL.17157	A	6 A (CWC)	7.43Y	123.9	0.01	1.09	1.28	1	9	2	98	0.00	0.0	5.715	0.106	0	0	0	2
PL.18437	PL.18413	A	#4 ACSR	7.43Y	123.9	0.00	1.09	0.00	0	0	0	100	0.00	0.0	5.771	0.056	0	0	1	1
PL.18438	PL.18413	A	#1/0 ACSR	7.43Y	123.9	0.00	1.10	1.28	1	9	2	98	0.00	0.0	5.796	0.081	9	2	1	1
PL.18498	PD.2810	A	#2 ACSR	7.43Y	123.9	0.00	1.09	0.43	0	3	1	95	0.00	0.0	5.618	0.014	3	1	1	1
PL.17152	PL.18697	ABC	6 A (CWC)	7.43Y	123.8	0.08	1.16	21.92	16	470	136	96	0.28	0.1	5.687	0.088	0	0	0	91
PL.17153	PL.17152	ABC	6 A (CWC)	7.43Y	123.8	0.08	1.25	21.62	15	463	134	96	0.30	0.1	5.786	0.098	0	0	0	90
PL.18868	PL.17153	B	#2 ACSR	7.43Y	123.8	0.00	1.25	1.14	1	8	2	97	0.00	0.0	5.790	0.005	0	0	0	1
PD.2776	PL.18868	B	30T	7.43Y	123.8	0.00	1.25	1.14	0	8	2	97	0.00	0.0	5.790	0.005	0	0	0	1
PL.18869	PD.2776	B	#1/0 ACSR	7.43Y	123.8	0.00	1.25	1.14	0	8	2	97	0.00	0.0	5.821	0.031	8	2	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: Beattyville

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.18497	PL.17153	ABC	6 A (CWC)	7.42Y	123.6	0.15	1.40	21.24	15	454	132	96	0.54	0.1	5.969	0.183	8	2	1	89
PL.18866	PL.18497	C	6 A (CWC)	7.42Y	123.6	0.00	1.40	1.07	1	8	2	97	0.00	0.0	5.973	0.005	0	0	0	2
PD.2775	PL.18866	C	30T	7.42Y	123.6	0.00	1.40	1.07	0	8	2	97	0.00	0.0	5.973	0.005	0	0	0	2
PL.18867	PD.2775	C	6 A (CWC)	7.42Y	123.6	0.00	1.40	1.07	1	8	2	97	0.00	0.0	6.049	0.076	0	0	0	2
PL.18422	PL.18867	C	#4 ACSR	7.42Y	123.6	0.00	1.40	0.00	0	0	0	100	0.00	0.0	6.092	0.043	0	0	0	0
PL.18694	PL.18867	C	6 A (CWC)	7.42Y	123.6	0.00	1.40	1.07	1	8	2	97	0.00	0.0	6.068	0.019	3	1	1	2
PL.18695	PL.18694	C	6 A (CWC)	7.42Y	123.6	0.00	1.40	0.64	0	5	1	98	0.00	0.0	6.119	0.051	0	0	0	1
PL.18420	PL.18695	C	6 A (CWC)	7.42Y	123.6	0.00	1.40	0.64	0	5	1	98	0.00	0.0	6.154	0.035	5	1	1	1
PL.18415	PL.18497	ABC	6 A (CWC)	7.41Y	123.6	0.04	1.44	20.54	15	439	128	96	0.16	0.0	6.024	0.056	0	0	0	86
PL.18417	PL.18415	ABC	6 A (CWC)	7.41Y	123.5	0.05	1.49	20.54	15	438	128	96	0.17	0.0	6.086	0.062	0	0	3	86
PL.18416	PL.18417	ABC	6 A (CWC)	7.40Y	123.4	0.13	1.62	20.53	15	438	128	96	0.45	0.1	6.248	0.162	0	0	0	83
PL.18936	PL.18416	A	6 A (CWC)	7.40Y	123.4	0.00	1.62	1.81	1	13	3	97	0.00	0.0	6.253	0.005	0	0	0	2
PD.2811	PL.18936	A	30T	7.40Y	123.4	0.00	1.62	1.81	0	13	3	97	0.00	0.0	6.253	0.005	0	0	0	2
PL.18937	PD.2811	A	6 A (CWC)	7.40Y	123.4	0.00	1.63	1.81	1	13	3	97	0.00	0.0	6.298	0.044	1	0	1	2
PL.18707	PL.18937	A	6 A (CWC)	7.40Y	123.4	0.00	1.63	1.69	1	12	3	97	0.00	0.0	6.355	0.057	12	3	1	1
PL.18419	PL.18707	A	#1/0 ACSR	7.40Y	123.4	0.00	1.63	0.00	0	0	0	100	0.00	0.0	6.379	0.025	0	0	0	0
PL.18982	PL.18416	ABC	6 A (CWC)	7.40Y	123.4	0.01	1.63	5.57	4	112	53	90	0.01	0.0	6.277	0.029	0	0	0	10
PD.2837	PL.18982	ABC	50L	7.40Y	123.4	0.00	1.63	5.57	11	112	53	90	0.00	0.0	6.277	0.029	0	0	0	10
PL.18983	PD.2837	ABC	6 A (CWC)	7.40Y	123.4	0.02	1.65	5.57	4	112	53	90	0.02	0.0	6.351	0.074	0	0	0	10
PL.18746	PL.18983	ABC	6 A (CWC)	7.40Y	123.3	0.03	1.67	5.57	4	112	53	90	0.03	0.0	6.473	0.122	1	0	1	9
PL.18747	PL.18746	ABC	6 A (CWC)	7.40Y	123.3	0.01	1.69	5.54	4	111	53	90	0.01	0.0	6.541	0.068	0	0	0	8
PL.18706	PL.18747	ABC	6 A (CWC)	7.40Y	123.3	0.02	1.70	5.54	4	111	53	90	0.01	0.0	6.614	0.073	0	0	0	8
PL.18692	PL.18706	ABC	6 A (CWC)	7.40Y	123.3	0.03	1.73	5.54	4	111	53	90	0.03	0.0	6.750	0.136	0	0	0	8
PL.18693	PL.18692	ABC	6 A (CWC)	7.39Y	123.2	0.03	1.77	5.54	4	111	53	90	0.03	0.0	6.904	0.154	0	0	0	8
PL.18690	PL.18693	ABC	6 A (CWC)	7.39Y	123.2	0.01	1.78	5.54	4	111	53	90	0.01	0.0	6.964	0.060	1	0	1	8
PL.18691	PL.18690	ABC	6 A (CWC)	7.39Y	123.2	0.03	1.81	5.51	4	110	52	90	0.03	0.0	7.117	0.153	0	0	0	7
PL.17137	PL.18691	ABC	6 A (CWC)	7.39Y	123.2	0.02	1.84	5.51	4	110	52	90	0.02	0.0	7.226	0.108	0	0	0	7
PL.18421	PL.17137	ABC	#4 ACSR	7.39Y	123.2	0.00	1.84	1.57	1	31	15	90	0.00	0.0	7.238	0.013	31	15	1	1
PL.18491	PL.17137	ABC	6 A (CWC)	7.39Y	123.1	0.03	1.86	3.94	3	79	37	91	0.02	0.0	7.391	0.165	0	0	0	6
PL.17138	PL.18491	ABC	6 A (CWC)	7.39Y	123.1	0.02	1.88	3.94	3	79	37	91	0.01	0.0	7.536	0.145	0	0	0	6
PL.18426	PL.17138	ABC	6 A (CWC)	7.39Y	123.1	0.00	1.89	3.94	3	79	37	91	0.00	0.0	7.549	0.013	0	0	0	6

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Balanced Voltage Drop Report
Source: Beattyville

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.18423	PL.18426	ABC	6 A (CWC)	7.39Y	123.1	0.00	1.89	0.34	0	7	3	92	0.00	0.0	7.571	0.022	0	0	0	2
PL.18425	PL.18423	ABC	6 A (CWC)	7.39Y	123.1	0.00	1.89	0.34	0	7	3	92	0.00	0.0	7.661	0.090	0	0	0	2
PL.18424	PL.18425	ABC	6 A (CWC)	7.39Y	123.1	0.00	1.89	0.34	0	7	3	92	0.00	0.0	7.770	0.109	7	3	2	2
PL.18490	PL.18426	ABC	6 A (CWC)	7.39Y	123.1	0.02	1.91	3.60	3	72	34	90	0.01	0.0	7.684	0.135	0	0	0	4
PL.18970	PL.18490	ABC	6 A (CWC)	7.38Y	123.1	0.02	1.93	3.60	3	72	34	90	0.01	0.0	7.843	0.159	0	0	0	4
PD.2831-A	PL.18970	ABC	Closed	7.38Y	123.1	0.00	1.93	3.60	0	72	34	90	0.00	0.0	7.843	0.159	0	0	0	4
PD.2831-B	PD.2831-A	ABC	Closed	7.38Y	123.1	0.00	1.93	3.60	0	72	34	90	0.00	0.0	7.843	0.159	0	0	0	4
PL.18971	PD.2831-B	ABC	6 A (CWC)	7.38Y	123.1	0.00	1.93	3.60	3	72	34	90	0.00	0.0	7.859	0.016	0	0	0	4
PL.17150	PL.18971	ABC	6 A (CWC)	7.38Y	123.1	0.01	1.94	3.60	3	72	34	90	0.00	0.0	7.907	0.048	0	0	0	4
PL.18876	PL.17150	C	#4 ACSR	7.38Y	123.1	0.00	1.94	0.61	0	4	1	97	0.00	0.0	7.910	0.003	0	0	0	2
PD.2780	PL.18876	C	30T	7.38Y	123.1	0.00	1.94	0.61	0	4	1	97	0.00	0.0	7.910	0.003	0	0	0	2
PL.18877	PD.2780	C	#4 ACSR	7.38Y	123.1	0.00	1.94	0.61	0	4	1	97	0.00	0.0	7.993	0.082	0	0	0	2
PL.18744	PL.18877	C	#4 ACSR	7.38Y	123.1	0.00	1.94	0.61	0	4	1	97	0.00	0.0	8.019	0.027	4	1	2	2
PL.18745	PL.18744	C	#4 ACSR	7.38Y	123.1	0.00	1.94	0.00	0	0	0	100	0.00	0.0	8.096	0.077	0	0	0	0
PL.17151	PL.17150	ABC	6 A (CWC)	7.38Y	123.1	0.00	1.94	3.41	2	68	33	90	0.00	0.0	7.913	0.006	68	33	2	2
PL.18968	PL.18971	ABC	6 A (CWC)	7.38Y	123.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	7.871	0.012	0	0	0	0
PD.2830-A	PL.18968	ABC	Closed	7.38Y	123.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	7.871	0.012	0	0	0	0
PD.2830-B	PD.2830-A	ABC	Closed	7.38Y	123.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	7.871	0.012	0	0	0	0
PL.18969	PD.2830-B	ABC	6 A (CWC)	7.38Y	123.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	7.983	0.112	0	0	0	0
PL.17139	PL.18969	ABC	6 A (CWC)	7.38Y	123.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	8.064	0.081	0	0	0	0
PL.17140	PL.17139	ABC	6 A (CWC)	7.38Y	123.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	8.226	0.162	0	0	0	0
PL.18427	PL.17140	ABC	6 A (CWC)	7.38Y	123.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	8.236	0.010	0	0	0	0
PL.18428	PL.18427	ABC	6 A (CWC)	7.38Y	123.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	8.398	0.162	0	0	0	0
PL.17141	PL.18428	ABC	6 A (CWC)	7.38Y	123.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	8.459	0.061	0	0	0	0
PL.66208	PL.17141	ABC	6 A (CWC)	7.38Y	123.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	8.462	0.004	0	0	0	0
PD.10002	PL.66208	ABC	T	7.38Y	123.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	8.462	0.004	0	0	0	0
PL.66209	PD.10002	ABC	6 A (CWC)	7.38Y	123.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	8.512	0.050	0	0	0	0
PL.18432	PL.66209	ABC	6 A (CWC)	7.38Y	123.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	8.583	0.071	0	0	0	0
PL.18489	PL.17141	ABC	6 A (CWC)	7.38Y	123.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	8.561	0.103	0	0	0	0
PL.18665	PL.18489	ABC	6 A (CWC)	7.38Y	123.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	8.689	0.127	0	0	0	0
PL.18666	PL.18665	ABC	6 A (CWC)	7.38Y	123.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	8.716	0.027	0	0	0	0

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Balanced Voltage Drop Report
Source: Beattyville

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.18429	PL.18427	ABC	6 A (CWC)	7.38Y	123.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	8.266	0.030	0	0	0	0
PL.18430	PL.18429	ABC	6 A (CWC)	7.38Y	123.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	8.393	0.127	0	0	0	0
PL.17142	PL.18430	ABC	6 A (CWC)	7.38Y	123.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	8.516	0.122	0	0	0	0
PL.17143	PL.17142	ABC	6 A (CWC)	7.38Y	123.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	8.590	0.074	0	0	0	0
PL.18487	PL.17143	ABC	6 A (CWC)	7.38Y	123.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	8.695	0.105	0	0	0	0
PL.17144	PL.18487	ABC	6 A (CWC)	7.38Y	123.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	8.785	0.090	0	0	0	0
PL.18486	PL.17144	ABC	6 A (CWC)	7.38Y	123.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	8.892	0.107	0	0	0	0
PL.17145	PL.18486	ABC	6 A (CWC)	7.38Y	123.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	9.017	0.125	0	0	0	0
PL.17146	PL.17145	ABC	6 A (CWC)	7.38Y	123.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	9.153	0.136	0	0	0	0
PL.17147	PL.17146	ABC	6 A (CWC)	7.38Y	123.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	9.320	0.167	0	0	0	0
PL.17148	PL.17147	ABC	6 A (CWC)	7.38Y	123.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	9.445	0.125	0	0	0	0
PL.18436	PL.17148	ABC	6 A (CWC)	7.38Y	123.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	9.480	0.036	0	0	0	0
PD.2611-B	PL.18436	ABC	Open	7.38Y	123.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	9.480	0.036	0	0	0	0
PL.18488	PL.18429	ABC	6 A (CWC)	7.38Y	123.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	8.334	0.068	0	0	0	0
PL.18418	PL.18983	B	#4 ACSR	7.40Y	123.4	0.00	1.65	0.00	0	0	0	100	0.00	0.0	6.415	0.064	0	0	1	1
PL.18976	PL.18416	A	6 A (CWC)	7.40Y	123.4	0.01	1.63	43.34	31	313	72	97	0.01	0.0	6.251	0.003	0	0	0	71
PD.2834	PL.18976	A	70L	7.40Y	123.4	0.00	1.63	43.34	62	313	72	97	0.00	0.0	6.251	0.003	0	0	0	71
PL.18977	PD.2834	A	6 A (CWC)	7.39Y	123.2	0.21	1.84	43.34	31	313	72	97	0.49	0.2	6.358	0.107	0	0	0	71
PL.17155	PL.18977	A	6 A (CWC)	7.38Y	123.0	0.18	2.02	43.34	31	312	72	97	0.43	0.1	6.452	0.094	3	1	2	71
PL.18441	PL.17155	A	6 A (CWC)	7.38Y	123.0	0.00	2.02	1.67	1	12	3	97	0.00	0.0	6.499	0.047	0	0	0	4
PL.17158	PL.18441	A	6 A (CWC)	7.38Y	123.0	0.00	2.03	1.30	1	9	2	98	0.00	0.0	6.560	0.061	5	1	1	3
PL.17159	PL.17158	A	6 A (CWC)	7.38Y	123.0	0.00	2.03	0.60	0	4	1	97	0.00	0.0	6.607	0.048	4	1	1	1
PL.18442	PL.17158	A	#1/0 ACSR	7.38Y	123.0	0.00	2.03	0.06	0	0	0	100	0.00	0.0	6.693	0.133	0	0	1	1
PL.18445	PL.18441	A	6 A (CWC)	7.38Y	123.0	0.00	2.03	0.37	0	3	1	95	0.00	0.0	6.552	0.053	3	1	1	1
PL.18444	PL.17155	A	6 A (CWC)	7.38Y	123.0	0.01	2.03	4.55	3	33	7	98	0.00	0.0	6.542	0.090	28	6	4	6
PL.18443	PL.18444	A	6 A (CWC)	7.38Y	123.0	0.00	2.03	0.63	0	5	1	98	0.00	0.0	6.581	0.038	5	1	2	2
PL.18704	PL.17155	A	6 A (CWC)	7.38Y	122.9	0.05	2.07	36.77	26	264	61	97	0.09	0.0	6.480	0.028	4	1	3	59
PL.18705	PL.18704	A	6 A (CWC)	7.37Y	122.8	0.16	2.23	36.27	26	261	60	97	0.32	0.1	6.582	0.102	7	2	2	56
PL.18702	PL.18705	A	6 A (CWC)	7.36Y	122.7	0.12	2.35	33.61	24	241	55	97	0.21	0.1	6.660	0.078	2	1	1	53
PL.18703	PL.18702	A	6 A (CWC)	7.36Y	122.6	0.06	2.41	33.27	24	239	55	97	0.10	0.0	6.701	0.041	14	3	3	52
PL.18448	PL.18703	A	#1/0 ACSR	7.36Y	122.6	0.00	2.41	1.30	1	9	2	98	0.00	0.0	6.828	0.127	0	0	0	2

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Balanced Voltage Drop Report
Source: Beattyville

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.18492	PL.18448	A	#1/0 ACSR	7.36Y	122.6	0.00	2.41	0.37	0	3	1	95	0.00	0.0	6.872	0.045	3	1	1	1
PL.18449	PL.18448	A	#1/0 ACSR	7.36Y	122.6	0.00	2.41	0.93	0	7	2	96	0.00	0.0	6.867	0.039	7	2	1	1
PL.18447	PL.18703	A	6 A (CWC)	7.35Y	122.5	0.12	2.53	30.02	21	215	49	97	0.19	0.1	6.792	0.091	9	2	4	47
PL.18450	PL.18447	A	6 A (CWC)	7.34Y	122.4	0.12	2.65	28.79	21	206	47	97	0.18	0.1	6.883	0.091	0	0	0	43
PL.18451	PL.18450	A	6 A (CWC)	7.34Y	122.3	0.02	2.67	15.24	11	109	25	97	0.02	0.0	6.914	0.031	0	0	0	23
PL.18452	PL.18451	A	#4 ACSR	7.34Y	122.3	0.00	2.67	0.60	0	4	1	97	0.00	0.0	7.007	0.093	4	1	1	1
PL.18493	PL.18451	A	6 A (CWC)	7.34Y	122.3	0.07	2.74	14.65	10	105	24	97	0.05	0.1	7.017	0.103	0	0	0	22
PL.18453	PL.18493	A	6 A (CWC)	7.34Y	122.3	0.00	2.74	0.38	0	3	1	95	0.00	0.0	7.063	0.046	3	1	1	1
PL.18738	PL.18493	A	6 A (CWC)	7.33Y	122.2	0.05	2.79	14.27	10	102	23	98	0.04	0.0	7.104	0.087	4	1	1	21
PL.18739	PL.18738	A	6 A (CWC)	7.33Y	122.2	0.04	2.84	13.75	10	98	22	98	0.03	0.0	7.174	0.070	0	0	1	20
PL.18455	PL.18739	A	#2 ACSR	7.33Y	122.2	0.00	2.84	0.97	1	7	2	96	0.00	0.0	7.210	0.036	7	2	1	1
PL.18734	PL.18739	A	6 A (CWC)	7.33Y	122.1	0.06	2.89	11.20	8	80	18	98	0.03	0.0	7.293	0.120	6	1	1	15
PL.18735	PL.18734	A	6 A (CWC)	7.32Y	122.1	0.05	2.95	10.37	7	74	17	97	0.03	0.0	7.403	0.110	0	0	0	14
PL.18459	PL.18735	A	6 A (CWC)	7.32Y	122.1	0.00	2.95	0.59	0	4	1	97	0.00	0.0	7.488	0.084	0	0	0	1
PL.18462	PL.18459	A	#1/0 ACSR	7.32Y	122.1	0.00	2.95	0.59	0	4	1	97	0.00	0.0	7.515	0.027	0	0	0	1
PL.18461	PL.18462	A	#2 ACSR	7.32Y	122.1	0.00	2.95	0.59	0	4	1	97	0.00	0.0	7.561	0.046	4	1	1	1
PL.18460	PL.18735	A	6 A (CWC)	7.32Y	122.0	0.03	2.97	9.79	7	70	16	97	0.01	0.0	7.465	0.062	2	0	1	13
PL.18458	PL.18460	A	6 A (CWC)	7.32Y	122.0	0.03	3.00	9.56	7	68	16	97	0.01	0.0	7.530	0.065	10	2	1	12
PL.18464	PL.18458	A	6 A (CWC)	7.32Y	122.0	0.00	3.00	1.50	1	11	2	98	0.00	0.0	7.599	0.069	0	0	0	4
PL.18466	PL.18464	A	#1/0 ACSR	7.32Y	122.0	0.00	3.00	0.70	0	5	1	98	0.00	0.0	7.634	0.035	5	1	2	2
PL.18465	PL.18464	A	#4 ACSR	7.32Y	122.0	0.00	3.00	0.80	1	6	1	99	0.00	0.0	7.637	0.038	4	1	1	2
PL.18732	PL.18465	A	#4 ACSR	7.32Y	122.0	0.00	3.00	0.17	0	1	0	100	0.00	0.0	7.717	0.080	0	0	0	1
PL.18733	PL.18732	A	#4 ACSR	7.32Y	122.0	0.00	3.00	0.17	0	1	0	100	0.00	0.0	7.772	0.054	1	0	1	1
PL.18463	PL.18458	A	6 A (CWC)	7.32Y	122.0	0.02	3.01	6.66	5	48	11	97	0.01	0.0	7.583	0.053	0	0	0	7
PL.18742	PL.18463	A	#4 ACSR	7.32Y	122.0	0.00	3.02	6.66	5	48	11	97	0.00	0.0	7.595	0.012	10	2	1	7
PL.18743	PL.18742	A	#4 ACSR	7.32Y	122.0	0.03	3.05	5.30	4	38	9	97	0.01	0.0	7.723	0.127	0	0	0	6
PL.18467	PL.18743	A	#4 ACSR	7.32Y	121.9	0.00	3.05	2.48	2	18	4	98	0.00	0.0	7.759	0.037	0	0	0	3
PL.18495	PL.18467	A	#4 ACSR	7.32Y	121.9	0.00	3.05	1.06	1	8	2	97	0.00	0.0	7.767	0.008	8	2	1	1
PL.18688	PL.18467	A	#2 ACSR	7.32Y	121.9	0.00	3.06	1.41	1	10	2	98	0.00	0.0	7.924	0.165	7	2	1	2
PL.18689	PL.18688	A	#2 ACSR	7.32Y	121.9	0.00	3.06	0.46	0	3	1	95	0.00	0.0	8.042	0.118	3	1	1	1
PL.18494	PL.18743	A	#4 ACSR	7.32Y	122.0	0.00	3.05	2.82	2	20	5	97	0.00	0.0	7.740	0.017	9	2	2	3

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Balanced Voltage Drop Report
Source: Beattyville

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.18468	PL.18494	A	#4 ACSR	7.32Y	121.9	0.00	3.05	1.53	1	11	2	98	0.00	0.0	7.839	0.100	11	2	1	1
PL.18454	PL.18739	A	6 A (CWC)	7.33Y	122.2	0.01	2.85	1.52	1	11	2	98	0.00	0.0	7.345	0.171	0	0	0	3
PL.17136	PL.18454	A	6 A (CWC)	7.33Y	122.1	0.01	2.85	1.52	1	11	2	98	0.00	0.0	7.456	0.111	7	2	2	3
PL.18456	PL.17136	A	#4 ACSR	7.33Y	122.1	0.00	2.85	0.52	0	4	1	97	0.00	0.0	7.512	0.056	4	1	1	1
PL.18457	PL.18456	A	#2 ACSR	7.33Y	122.1	0.00	2.85	0.00	0	0	0	100	0.00	0.0	7.559	0.047	0	0	0	0
PL.17154	PL.18450	A	6 A (CWC)	7.34Y	122.3	0.07	2.72	13.54	10	97	22	98	0.05	0.1	6.997	0.114	3	1	1	20
PL.18469	PL.17154	A	#4 ACSR	7.34Y	122.3	0.03	2.74	9.03	7	65	15	97	0.01	0.0	7.071	0.074	9	2	1	10
PL.18473	PL.18469	A	6 A (CWC)	7.33Y	122.2	0.02	2.77	7.76	6	55	13	97	0.01	0.0	7.137	0.066	9	2	2	9
PL.18472	PL.18473	A	#4 ACSR	7.33Y	122.2	0.02	2.78	6.46	5	46	11	97	0.01	0.0	7.204	0.067	0	0	0	7
PL.18471	PL.18472	A	#2 ACSR	7.33Y	122.2	0.00	2.78	0.56	0	4	1	97	0.00	0.0	7.248	0.043	4	1	1	1
PL.18496	PL.18472	A	#4 ACSR	7.33Y	122.2	0.02	2.81	5.90	5	42	10	97	0.01	0.0	7.286	0.081	0	0	0	6
PL.18474	PL.18496	A	#4 ACSR	7.33Y	122.2	0.00	2.81	0.70	1	5	1	98	0.00	0.0	7.321	0.035	5	1	1	1
PL.18475	PL.18496	A	#4 ACSR	7.33Y	122.2	0.00	2.81	1.34	1	10	2	98	0.00	0.0	7.328	0.043	0	0	0	2
PL.18476	PL.18475	A	#2 ACSR	7.33Y	122.2	0.00	2.81	1.34	1	10	2	98	0.00	0.0	7.357	0.029	9	2	1	2
PL.18477	PL.18476	A	#2 ACSR	7.33Y	122.2	0.00	2.81	0.03	0	0	0	100	0.00	0.0	7.436	0.079	0	0	1	1
PL.18730	PL.18496	A	#4 ACSR	7.33Y	122.2	0.01	2.81	3.86	3	28	6	98	0.00	0.0	7.336	0.050	17	4	2	3
PL.18731	PL.18730	A	#4 ACSR	7.33Y	122.2	0.00	2.81	1.55	1	11	3	96	0.00	0.0	7.401	0.064	11	3	1	1
PL.18736	PL.17154	A	6 A (CWC)	7.34Y	122.3	0.00	2.72	4.05	3	29	7	97	0.00	0.0	7.024	0.027	4	1	1	9
PL.18737	PL.18736	A	6 A (CWC)	7.34Y	122.3	0.01	2.73	3.46	2	25	6	97	0.00	0.0	7.110	0.086	9	2	2	8
PL.18740	PL.18737	A	6 A (CWC)	7.34Y	122.3	0.00	2.74	1.53	1	11	3	96	0.00	0.0	7.198	0.088	6	1	3	4
PL.18741	PL.18740	A	6 A (CWC)	7.34Y	122.3	0.00	2.74	0.76	1	5	1	98	0.00	0.0	7.310	0.112	0	0	0	1
PL.18478	PL.18741	A	#1/0 ACSR	7.34Y	122.3	0.00	2.74	0.76	0	5	1	98	0.00	0.0	7.345	0.035	5	1	1	1
PL.18470	PL.18737	A	6 A (CWC)	7.34Y	122.3	0.00	2.73	0.65	0	5	1	98	0.00	0.0	7.171	0.061	5	1	2	2
PL.18446	PL.18705	A	6 A (CWC)	7.37Y	122.8	0.00	2.23	1.65	1	12	3	97	0.00	0.0	6.628	0.046	12	3	1	1
PL.18870	PL.17152	A	#2 ACSR	7.43Y	123.8	0.00	1.16	0.89	1	6	1	99	0.00	0.0	5.692	0.005	0	0	0	1
PD.2777	PL.18870	A	30T	7.43Y	123.8	0.00	1.16	0.89	0	6	1	99	0.00	0.0	5.692	0.005	0	0	0	1
PL.18871	PD.2777	A	#2 ACSR	7.43Y	123.8	0.00	1.16	0.89	1	6	1	99	0.00	0.0	5.715	0.023	6	1	1	1
PL.18830	PL.17162	C	#4 ACSR	7.44Y	124.1	0.00	0.92	1.49	1	11	2	98	0.00	0.0	5.329	0.003	0	0	0	2
PD.2754	PL.18830	C	30T	7.44Y	124.1	0.00	0.92	1.49	0	11	2	98	0.00	0.0	5.329	0.003	0	0	0	2
PL.18831	PD.2754	C	#4 ACSR	7.44Y	124.1	0.00	0.92	1.49	1	11	2	98	0.00	0.0	5.332	0.003	2	0	1	2
PL.18646	PL.18831	C	#4 ACSR	7.44Y	124.1	0.00	0.93	1.26	1	9	2	98	0.00	0.0	5.397	0.064	9	2	1	1

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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.18828	PL.17163	A	#1/0 ACSR	7.45Y	124.1	0.00	0.90	0.28	0	2	0	100	0.00	0.0	5.222	0.005	0	0	0	1
PD.2753	PL.18828	A	30T	7.45Y	124.1	0.00	0.90	0.28	0	2	0	100	0.00	0.0	5.222	0.005	0	0	0	1
PL.18829	PD.2753	A	#1/0 ACSR	7.45Y	124.1	0.00	0.90	0.28	0	2	0	100	0.00	0.0	5.252	0.030	2	0	1	1
PL.18832	PL.18506	A	#2 ACSR	7.45Y	124.2	0.00	0.78	2.19	1	16	4	97	0.00	0.0	4.703	0.033	0	0	0	4
PD.2756	PL.18832	A	30T	7.45Y	124.2	0.00	0.78	2.19	0	16	4	97	0.00	0.0	4.703	0.033	0	0	0	4
PL.18833	PD.2756	A	#2 ACSR	7.45Y	124.2	0.00	0.78	2.19	1	16	4	97	0.00	0.0	4.730	0.027	0	0	0	4
PL.18659	PL.18833	A	#1/0 ACSR	7.45Y	124.2	0.00	0.78	2.19	1	16	4	97	0.00	0.0	4.775	0.045	8	2	2	4
PL.18660	PL.18659	A	#1/0 ACSR	7.45Y	124.2	0.00	0.78	1.05	0	8	2	97	0.00	0.0	4.791	0.016	8	2	2	2
PL.18934	PL.18664	C	6 A (CWC)	7.28Y	121.4	0.00	3.64	1.48	1	10	2	98	0.00	0.0	4.123	0.005	0	0	0	2
PD.2809	PL.18934	C	30T	7.28Y	121.4	0.00	3.64	1.48	0	10	2	98	0.00	0.0	4.123	0.005	0	0	0	2
PL.18935	PD.2809	C	6 A (CWC)	7.28Y	121.4	0.00	3.64	1.48	1	10	2	98	0.00	0.0	4.135	0.012	10	2	2	2
PL.18386	PL.18508	A	#2 ACSR	7.29Y	121.4	0.00	3.58	0.61	0	4	1	97	0.00	0.0	3.994	0.005	0	0	0	1
PD.2761	PL.18386	A	30T	7.29Y	121.4	0.00	3.58	0.61	0	4	1	97	0.00	0.0	3.994	0.005	0	0	0	1
PL.18525	PD.2761	A	#2 ACSR	7.29Y	121.4	0.00	3.58	0.61	0	4	1	97	0.00	0.0	4.006	0.012	0	0	0	1
PL.18385	PL.18525	A	#2 ACSR	7.29Y	121.4	0.00	3.58	0.61	0	4	1	97	0.00	0.0	4.025	0.019	4	1	1	1
PL.18816	PL.18512	A	6 A (CWC)	7.30Y	121.6	0.00	3.38	2.52	2	18	4	98	0.00	0.0	3.610	0.005	0	0	0	3
PD.2748	PL.18816	A	30T	7.30Y	121.6	0.00	3.38	2.52	0	18	4	98	0.00	0.0	3.610	0.005	0	0	0	3
PL.18817	PD.2748	A	6 A (CWC)	7.30Y	121.6	0.00	3.39	2.52	2	18	4	98	0.00	0.0	3.644	0.034	0	0	0	3
PL.18316	PL.18817	A	6 A (CWC)	7.30Y	121.6	0.00	3.39	0.05	0	0	0	100	0.00	0.0	3.703	0.059	0	0	1	1
PL.18315	PL.18817	A	6 A (CWC)	7.30Y	121.6	0.01	3.39	2.47	2	18	4	98	0.00	0.0	3.736	0.092	18	4	2	2
PL.18926	PL.18512	C	#4 ACSR	7.30Y	121.6	0.00	3.38	0.69	1	5	1	98	0.00	0.0	3.610	0.005	0	0	0	1
PD.2804	PL.18926	C	30T	7.30Y	121.6	0.00	3.38	0.69	0	5	1	98	0.00	0.0	3.610	0.005	0	0	0	1
PL.18927	PD.2804	C	#4 ACSR	7.30Y	121.6	0.00	3.38	0.69	1	5	1	98	0.00	0.0	3.652	0.042	5	1	1	1
PL.18643	PL.18927	C	#4 ACSR	7.30Y	121.6	0.00	3.38	0.00	0	0	0	100	0.00	0.0	3.689	0.037	0	0	0	0
PL.18924	PL.18513	C	6 A (CWC)	7.30Y	121.7	0.00	3.31	0.89	1	6	1	99	0.00	0.0	3.471	0.005	0	0	0	1
PD.2803	PL.18924	C	30T	7.30Y	121.7	0.00	3.31	0.89	0	6	1	99	0.00	0.0	3.471	0.005	0	0	0	1
PL.18925	PD.2803	C	6 A (CWC)	7.30Y	121.7	0.00	3.31	0.89	1	6	1	99	0.00	0.0	3.551	0.080	6	1	1	1
PL.18808	PL.18548	A	#4 ACSR	7.31Y	121.9	0.00	3.09	0.00	0	0	0	100	0.00	0.0	3.107	0.005	0	0	0	3
PD.2744	PL.18808	A	30T	7.31Y	121.9	0.00	3.09	0.00	0	0	0	100	0.00	0.0	3.107	0.005	0	0	0	3
PL.18809	PD.2744	A	#4 ACSR	7.31Y	121.9	0.00	3.09	0.00	0	0	0	100	0.00	0.0	3.158	0.051	0	0	3	3
PL.18812	PL.18639	C	#2 ACSR	7.32Y	122.1	0.00	2.94	0.83	0	6	1	99	0.00	0.0	2.866	0.005	0	0	0	1

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

Balanced Voltage Drop Report
Source: Beattyville

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.2746	PL.18812	C	30T	7.32Y	122.1	0.00	2.94	0.83	0	6	1	99	0.00	0.0	2.866	0.005	0	0	0	1
PL.18813	PD.2746	C	#2 ACSR	7.32Y	122.1	0.00	2.94	0.83	0	6	1	99	0.00	0.0	2.896	0.030	6	1	1	1
PL.18814	PL.18554	A	6 A (CWC)	7.33Y	122.1	0.00	2.87	2.24	2	16	4	97	0.00	0.0	2.757	0.005	0	0	0	3
PD.2747	PL.18814	A	30T	7.33Y	122.1	0.00	2.87	2.24	0	16	4	97	0.00	0.0	2.757	0.005	0	0	0	3
PL.18815	PD.2747	A	6 A (CWC)	7.33Y	122.1	0.00	2.87	2.24	2	16	4	97	0.00	0.0	2.788	0.031	16	4	3	3
PL.18780	PL.18305	A	#1/0 ACSR	7.35Y	122.5	0.00	2.48	2.83	1	20	5	97	0.00	0.0	2.219	0.005	0	0	0	2
PD.2730	PL.18780	A	65T	7.35Y	122.5	0.00	2.48	2.83	0	20	5	97	0.00	0.0	2.219	0.005	0	0	0	2
PL.18781	PD.2730	A	#1/0 ACSR	7.35Y	122.5	0.00	2.48	2.83	1	20	5	97	0.00	0.0	2.263	0.043	13	3	1	2
PL.18600	PL.18781	A	#1/0 ACSR	7.35Y	122.5	0.00	2.48	0.99	0	7	2	96	0.00	0.0	2.316	0.053	0	0	0	1
PL.18308	PL.18600	A	#1/0 ACSR	7.35Y	122.5	0.00	2.48	0.99	0	7	2	96	0.00	0.0	2.438	0.122	7	2	1	1
PL.18303	PL.18532	C	6 A (CWC)	7.36Y	122.7	0.02	2.29	10.04	7	72	16	98	0.01	0.0	2.025	0.054	2	0	1	19
PL.18304	PL.18303	C	6 A (CWC)	7.36Y	122.7	0.03	2.31	9.75	7	70	16	97	0.01	0.0	2.092	0.066	7	2	1	18
PL.18778	PL.18304	C	6 A (CWC)	7.36Y	122.7	0.00	2.32	8.73	6	63	14	98	0.00	0.0	2.096	0.005	0	0	0	17
PD.2729	PL.18778	C	65T	7.36Y	122.7	0.00	2.32	8.73	0	63	14	98	0.00	0.0	2.096	0.005	0	0	0	17
PL.18779	PD.2729	C	6 A (CWC)	7.36Y	122.7	0.02	2.34	8.73	6	63	14	98	0.01	0.0	2.147	0.050	4	1	1	17
PL.18591	PL.18779	C	6 A (CWC)	7.36Y	122.6	0.03	2.36	8.20	6	59	13	98	0.01	0.0	2.230	0.084	9	2	2	16
PL.18592	PL.18591	C	6 A (CWC)	7.36Y	122.6	0.01	2.37	6.90	5	49	11	98	0.00	0.0	2.266	0.035	0	0	1	14
PL.18593	PL.18592	C	6 A (CWC)	7.36Y	122.6	0.01	2.39	6.90	5	49	11	98	0.00	0.0	2.303	0.038	0	0	0	13
PL.18393	PL.18593	C	#4 ACSR	7.36Y	122.6	0.00	2.39	6.90	5	49	11	98	0.00	0.0	2.314	0.011	0	0	0	13
PL.18594	PL.18393	C	#4 ACSR	7.36Y	122.6	0.01	2.40	5.55	4	40	9	98	0.00	0.0	2.359	0.045	10	2	2	9
PL.18595	PL.18594	C	#4 ACSR	7.36Y	122.6	0.00	2.40	4.13	3	30	7	97	0.00	0.0	2.390	0.030	8	2	1	7
PL.18394	PL.18595	C	#4 ACSR	7.36Y	122.6	0.01	2.41	1.66	1	12	3	97	0.00	0.0	2.528	0.139	0	0	0	5
PL.18398	PL.18394	C	#4 ACSR	7.36Y	122.6	0.00	2.41	0.00	0	0	0	100	0.00	0.0	2.592	0.063	0	0	1	1
PL.18397	PL.18394	C	#4 ACSR	7.36Y	122.6	0.00	2.41	0.00	0	0	0	100	0.00	0.0	2.630	0.101	0	0	0	0
PL.18395	PL.18394	C	#4 ACSR	7.35Y	122.6	0.00	2.42	1.65	1	12	3	97	0.00	0.0	2.581	0.053	3	1	2	4
PL.18396	PL.18395	C	#4 ACSR	7.35Y	122.6	0.01	2.42	1.21	1	9	2	98	0.00	0.0	2.681	0.100	0	0	0	2
PL.18400	PL.18396	C	#2 ACSR	7.35Y	122.6	0.00	2.42	1.21	1	9	2	98	0.00	0.0	2.704	0.023	3	1	1	2
PL.18399	PL.18400	C	#1/0 ACSR	7.35Y	122.6	0.00	2.42	0.84	0	6	1	99	0.00	0.0	2.746	0.042	6	1	1	1
PL.66205	PL.18595	C	#1/0 ACSR	7.36Y	122.6	0.00	2.40	1.41	1	10	2	98	0.00	0.0	2.412	0.022	10	2	1	1
PL.18596	PL.18393	C	#4 ACSR	7.36Y	122.6	0.00	2.39	1.35	1	10	2	98	0.00	0.0	2.377	0.063	0	0	0	4
PL.18597	PL.18596	C	#4 ACSR	7.36Y	122.6	0.00	2.40	1.35	1	10	2	98	0.00	0.0	2.418	0.041	0	0	1	4

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

Balanced Voltage Drop Report
Source: Beattyville

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.18598	PL.18597	C	#4 ACSR	7.36Y	122.6	0.00	2.40	1.30	1	9	2	98	0.00	0.0	2.486	0.068	6	1	2	3
PL.18599	PL.18598	C	#4 ACSR	7.36Y	122.6	0.00	2.40	0.44	0	3	1	95	0.00	0.0	2.524	0.038	3	1	1	1
PL.18918	PL.18532	A	6 A (CWC)	7.36Y	122.7	0.00	2.26	1.14	1	8	2	97	0.00	0.0	1.976	0.005	0	0	0	1
PD.2801	PL.18918	A	65T	7.36Y	122.7	0.00	2.26	1.14	0	8	2	97	0.00	0.0	1.976	0.005	0	0	0	1
PL.18919	PD.2801	A	6 A (CWC)	7.36Y	122.7	0.00	2.26	1.14	1	8	2	97	0.00	0.0	2.021	0.044	8	2	1	1
PL.18794	PL.18572	A	#4 ACSR	7.38Y	123.0	0.00	2.04	2.14	2	15	4	97	0.00	0.0	1.749	0.005	0	0	0	3
PD.2738	PL.18794	A	65T	7.38Y	123.0	0.00	2.04	2.14	0	15	4	97	0.00	0.0	1.749	0.005	0	0	0	3
PL.18795	PD.2738	A	#4 ACSR	7.38Y	122.9	0.01	2.05	2.14	2	15	4	97	0.00	0.0	1.838	0.089	7	2	1	3
PL.18299	PL.18795	A	#2 ACSR	7.38Y	122.9	0.00	2.05	1.10	1	8	2	97	0.00	0.0	1.853	0.016	8	2	2	2
PL.18298	PL.18795	A	#4 ACSR	7.38Y	122.9	0.00	2.05	0.00	0	0	0	100	0.00	0.0	1.893	0.056	0	0	0	0
PL.18300	PL.18298	A	#1/0 ACSR	7.38Y	122.9	0.00	2.05	0.00	0	0	0	100	0.00	0.0	1.951	0.058	0	0	0	0
PL.18916	PL.18572	C	6 A (CWC)	7.38Y	123.0	0.00	2.04	2.86	2	21	5	97	0.00	0.0	1.749	0.005	0	0	0	3
PD.2800	PL.18916	C	65T	7.38Y	123.0	0.00	2.04	2.86	0	21	5	97	0.00	0.0	1.749	0.005	0	0	0	3
PL.18917	PD.2800	C	6 A (CWC)	7.38Y	123.0	0.00	2.05	2.86	2	21	5	97	0.00	0.0	1.793	0.044	8	2	1	3
PL.18302	PL.18917	C	#4 ACSR	7.38Y	123.0	0.00	2.05	1.71	1	12	3	97	0.00	0.0	1.820	0.027	12	3	2	2
PL.18790	PL.18578	C	#4 ACSR	7.39Y	123.2	0.00	1.83	2.35	2	17	4	97	0.00	0.0	1.539	0.005	0	0	0	4
PD.2735	PL.18790	C	65T	7.39Y	123.2	0.00	1.83	2.35	0	17	4	97	0.00	0.0	1.539	0.005	0	0	0	4
PL.18791	PD.2735	C	#4 ACSR	7.39Y	123.2	0.01	1.84	2.35	2	17	4	97	0.00	0.0	1.638	0.099	1	0	1	4
PL.18613	PL.18791	C	#4 ACSR	7.39Y	123.2	0.01	1.85	2.25	2	16	4	97	0.00	0.0	1.690	0.051	0	0	0	3
PL.18295	PL.18613	C	#4 ACSR	7.39Y	123.1	0.00	1.85	2.25	2	16	4	97	0.00	0.0	1.737	0.047	2	0	1	3
PL.18294	PL.18295	C	#4 ACSR	7.39Y	123.1	0.00	1.85	2.02	2	15	3	98	0.00	0.0	1.776	0.039	15	3	2	2
PL.18788	PL.18612	C	#4 ACSR	7.39Y	123.2	0.00	1.78	0.14	0	1	0	100	0.00	0.0	1.485	0.005	0	0	0	1
PD.2734	PL.18788	C	65T	7.39Y	123.2	0.00	1.78	0.14	0	1	0	100	0.00	0.0	1.485	0.005	0	0	0	1
PL.18789	PD.2734	C	#4 ACSR	7.39Y	123.2	0.00	1.78	0.14	0	1	0	100	0.00	0.0	1.532	0.047	1	0	1	1
PL.18806	PL.18579	C	6 A (CWC)	7.42Y	123.7	0.00	1.27	2.25	2	16	4	97	0.00	0.0	0.989	0.005	0	0	0	6
PD.2743	PL.18806	C	65T	7.42Y	123.7	0.00	1.27	2.25	0	16	4	97	0.00	0.0	0.989	0.005	0	0	0	6
PL.18807	PD.2743	C	6 A (CWC)	7.42Y	123.7	0.01	1.28	2.25	2	16	4	97	0.00	0.0	1.072	0.083	2	0	2	6
PL.18635	PL.18807	C	6 A (CWC)	7.42Y	123.7	0.00	1.28	2.03	1	15	3	98	0.00	0.0	1.101	0.028	15	3	4	4
PL.18954	PL.18527	ABC	#4 ACSR	7.43Y	123.9	0.00	1.13	3.57	3	72	34	90	0.00	0.0	0.876	0.005	0	0	0	2
PD.2821	PL.18954	ABC	65T	7.43Y	123.9	0.00	1.13	3.57	0	72	34	90	0.00	0.0	0.876	0.005	0	0	0	2
PL.18955	PD.2821	ABC	#4 ACSR	7.43Y	123.9	0.01	1.14	3.57	3	72	34	90	0.01	0.0	0.952	0.076	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: Beattyville

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.18750	PL.18955	ABC	#4 ACSR	7.43Y	123.9	0.01	1.15	3.56	3	72	33	91	0.00	0.0	1.005	0.053	5	1	1	1
PL.18751	PL.18750	ABC	#4 ACSR	7.43Y	123.9	0.00	1.15	3.33	3	67	32	90	0.00	0.0	1.008	0.003	67	32	0	0
PL.18774	PL.18589	C	#4 ACSR	7.46Y	124.3	0.00	0.66	2.14	2	16	4	97	0.00	0.0	0.505	0.005	0	0	0	3
PD.2727	PL.18774	C	65T	7.46Y	124.3	0.00	0.66	2.14	0	16	4	97	0.00	0.0	0.505	0.005	0	0	0	3
PL.18775	PD.2727	C	#4 ACSR	7.46Y	124.3	0.00	0.66	2.14	2	16	4	97	0.00	0.0	0.557	0.052	16	4	3	3
PL.18269	PL.18505	ABC	336 MCM AC	7.47Y	124.6	0.00	0.42	0.00	0	0	0	100	0.00	0.0	0.317	0.002	0	0	0	0
PL.16561	PL.18269	ABC	336 MCM AC	7.47Y	124.6	0.00	0.42	0.00	0	0	0	100	0.00	0.0	0.318	0.001	0	0	0	0
PD.2610-B	PL.16561	ABC	Open	7.47Y	124.6	0.00	0.42	0.00	0	0	0	100	0.00	0.0	0.318	0.001	0	0	0	0
PL.18772	PL.18505	C	6 A (CWC)	7.47Y	124.6	0.00	0.42	1.41	1	10	2	98	0.00	0.0	0.321	0.005	0	0	0	2
PD.2726	PL.18772	C	65T	7.47Y	124.6	0.00	0.42	1.41	0	10	2	98	0.00	0.0	0.321	0.005	0	0	0	2
PL.18773	PD.2726	C	6 A (CWC)	7.47Y	124.6	0.00	0.42	1.41	1	10	2	98	0.00	0.0	0.372	0.052	10	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

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	14591	0	0	0	0	0	593	0.00	15184
KVAR	4102	0	0	0	0	0	900		5001

Lowest Voltage = 118.03 on Element PL.16458
Max Accm VoltD = 6.97 on Element PL.16458
Max Elem VoltD = 0.46 on Element PL.17714