Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
Fall Rock		ABC	SRC-Fall R	7.50Y	125.0	0.00	0.00	542.12	0	11588	3809	95	0.00	0.0	0.000	0.000	0	0	0	2488
PL.9895	Fall Rock	ABC	397 SPACER	7.50Y	125.0	0.01	0.01	349.65	67	7428	2593	94	0.08	0.0	0.005	0.005	0	0	0	1557
PL.27881	PL.9895	ABC	397 SPACER	7.50Y	125.0	0.01	0.01	349.65	67	7428	2592	94	0.11	0.0	0.012	0.007	0	0	0	1557
---------- Feeder No. 3 (Foggertown F3) Beginning with Device PD.3854 ----------																				
PD.3854	PL.27881	ABC	480VWE	7.50Y	125.0	0.00	0.01	349.65	0	7427	2590	94	0.00	0.0	0.012	0.007	0	0	0	1557
PL.9896	PD.3854	ABC	397 SPACER	7.49Y	124.9	0.07	0.08	349.65	67	7427	2590	94	0.90	0.0	0.068	0.056	0	0	0	1557
PL.9770	PL.9896	ABC	336 MCM AC	7.49Y	124.8	0.09	0.17	349.65	67	7427	2580	94	3.17	0.0	0.098	0.031	13	3	2	1557
PL.9771	PL.9770	ABC	336 MCM AC	7.48Y	124.6	0.20	0.37	349.05	67	7410	2569	94	7.32	0.1	0.170	0.071	17	4	2	1555
PL.9772	PL.9771	ABC	336 MCM AC	7.47Y	124.5	0.13	0.50	348.29	67	7386	2548	95	4.96	0.1	0.219	0.049	3	1	1	1553
PL.9773	PL.9772	ABC	336 MCM AC	7.46Y	124.3	0.19	0.70	348.14	67	7378	2535	95	7.08	0.1	0.288	0.070	19	5	5	1552
PL.9959	PL.9773	A	6 A (CWC)	7.46Y	124.3	0.00	0.70	0.35	0	3	1	95	0.00	0.0	0.293	0.005	0	0	0	1
PD.1812	PL.9959	A	65T	7.46Y	124.3	0.00	0.70	0.35	0	3	1	95	0.00	0.0	0.293	0.005	0	0	0	1
PL.9960	PD.1812	A	6 A (CWC)	7.46Y	124.3	0.00	0.70	0.35	0	3	1	95	0.00	0.0	0.376	0.083	3	1	1	1
PL.8804	PL.9773	ABC	336 MCM AC	7.44Y	124.0	0.28	0.97	346.74	67	7341	2511	95	10.15	0.1	0.388	0.100	0	0	1	1544
PL.8805	PL.8804	ABC	336 MCM AC	7.44Y	123.9	0.09	1.07	345.94	67	7313	2483	95	3.47	0.0	0.423	0.034	0	0	0	1541
PL.9917	PL.8805	A	6 A (CWC)	7.44Y	123.9	0.00	1.07	0.82	1	6	2	95	0.00	0.0	0.427	0.005	0	0	0	5
PD.1790	PL.9917	A	65T	7.44Y	123.9	0.00	1.07	0.82	0	6	2	95	0.00	0.0	0.427	0.005	0	0	0	5
PL.9918	PD.1790	A	6 A (CWC)	7.44Y	123.9	0.00	1.07	0.82	1	6	2	95	0.00	0.0	0.441	0.014	0	0	1	5
PL.9776	PL.9918	A	6 A (CWC)	7.44Y	123.9	0.00	1.07	0.77	1	6	1	99	0.00	0.0	0.466	0.024	4	1	2	4
PL.9777	PL.9776	A	6 A (CWC)	7.44Y	123.9	0.00	1.07	0.21	0	2	0	100	0.00	0.0	0.512	0.047	2	0	2	2
PL.8806	PL.8805	ABC	336 MCM AC	7.43Y	123.8	0.16	1.22	345.67	67	7304	2473	95	5.75	0.1	0.480	0.057	17	4	4	1536
PL.9919	PL.8806	C	#4 ACSR	7.43Y	123.8	0.00	1.23	25.33	19	182	47	97	0.01	0.0	0.484	0.004	0	0	0	44
PD.1791	PL.9919	C	65T	7.43Y	123.8	0.00	1.23	25.33	0	182	47	97	0.00	0.0	0.484	0.004	0	0	0	44
PL.9920	PD.1791	C	#4 ACSR	7.42Y	123.7	0.05	1.28	25.33	19	182	47	97	0.07	0.0	0.527	0.042	0	0	3	44
PL.9650	PL.9920	C	#4 ACSR	7.42Y	123.7	0.02	1.29	25.30	19	182	47	97	0.02	0.0	0.543	0.017	16	4	3	41
PL.9651	PL.9650	C	#4 ACSR	7.42Y	123.6	0.06	1.36	23.02	18	165	42	97	0.07	0.0	0.604	0.061	6	2	1	38
PL.9658	PL.9651	C	#4 ACSR	7.42Y	123.6	0.04	1.39	22.13	17	159	41	97	0.04	0.0	0.641	0.037	11	3	2	37
PL.9659	PL.9658	C	#4 ACSR	7.42Y	123.6	0.01	1.41	20.66	16	148	38	97	0.02	0.0	0.657	0.016	0	0	0	35
PL.9643	PL.9659	C	#4 ACSR	7.41Y	123.6	0.04	1.44	20.66	16	148	38	97	0.04	0.0	0.702	0.045	15	4	4	35
PL.9774	PL.9643	C	#4 ACSR	7.41Y	123.5	0.02	1.47	18.53	14	133	34	97	0.02	0.0	0.734	0.032	18	5	3	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: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.9775	PL.9774	C	#4 ACSR	7.41Y	123.5	0.03	1.50	15.96	12	115	29	97	0.03	0.0	0.783	0.049	18	5	6	28
PL.8807	PL.9775	C	#4 ACSR	7.41Y	123.5	0.02	1.52	9.90	8	71	18	97	0.01	0.0	0.826	0.043	22	6	4	16
PL.9762	PL.8807	C	#4 ACSR	7.41Y	123.5	0.01	1.53	6.90	5	50	13	97	0.00	0.0	0.875	0.049	14	4	3	12
PL.9763	PL.9762	C	#4 ACSR	7.41Y	123.5	0.01	1.54	4.93	4	35	9	97	0.00	0.0	0.916	0.041	0	0	1	9
PL.9764	PL.9763	C	#4 ACSR	7.41Y	123.5	0.01	1.55	4.93	4	35	9	97	0.00	0.0	0.959	0.043	6	2	1	8
PL.9761	PL.9764	C	#4 ACSR	7.41Y	123.4	0.01	1.55	4.03	3	29	7	97	0.00	0.0	0.995	0.036	11	3	2	7
PL.9765	PL.9761	C	#4 ACSR	7.41Y	123.4	0.00	1.56	2.49	2	18	5	96	0.00	0.0	1.023	0.029	8	2	3	5
PL.9766	PL.9765	C	#4 ACSR	7.41Y	123.4	0.00	1.56	1.31	1	9	2	98	0.00	0.0	1.062	0.039	9	2	2	2
PL.9767	PL.9775	C	#2 ACSR	7.41Y	123.5	0.00	1.51	3.53	2	25	6	97	0.00	0.0	0.832	0.049	9	2	3	6
PL.9768	PL.9767	C	#2 ACSR	7.41Y	123.5	0.00	1.51	2.22	1	16	4	97	0.00	0.0	0.893	0.060	10	3	2	3
PL.9769	PL.9768	C	#2 ACSR	7.41Y	123.5	0.00	1.51	0.83	0	6	2	95	0.00	0.0	0.971	0.078	6	2	1	1
PL.9310	PL.8806	ABC	336 MCM AC	7.41Y	123.6	0.22	1.45	336.44	65	7098	2408	95	7.93	0.1	0.564	0.084	52	13	13	1488
PL.9306	PL.9310	ABC	336 MCM AC	7.41Y	123.5	0.03	1.48	332.37	64	7002	2367	95	1.23	0.0	0.577	0.013	0	0	0	1473
PL.10106	PL.9306	ABC	336 MCM AC	7.41Y	123.4	0.09	1.57	325.56	63	6854	2327	95	3.12	0.0	0.612	0.035	10	3	2	1449
PL.8220	PL.10106	ABC	336 MCM AC	7.40Y	123.3	0.13	1.70	325.09	63	6841	2317	95	4.34	0.1	0.661	0.049	5	1	2	1447
PL.9923	PL.8220	A	#2 ACSR	7.40Y	123.3	0.00	1.70	1.66	1	12	3	97	0.00	0.0	0.665	0.004	0	0	0	3
PD.1793	PL.9923	A	65T	7.40Y	123.3	0.00	1.70	1.66	0	12	3	97	0.00	0.0	0.665	0.004	0	0	0	3
PL.9924	PD.1793	A	#2 ACSR	7.40Y	123.3	0.00	1.70	1.66	1	12	3	97	0.00	0.0	0.722	0.057	12	3	3	3
PL.9656	PL.8220	ABC	336 MCM AC	7.39Y	123.2	0.09	1.78	324.32	62	6820	2302	95	2.98	0.0	0.694	0.034	15	4	5	1442
PL.9657	PL.9656	ABC	336 MCM AC	7.39Y	123.1	0.11	1.89	323.62	62	6802	2291	95	3.75	0.1	0.737	0.043	25	6	5	1437
PL.9644	PL.9657	ABC	336 MCM AC	7.38Y	123.0	0.07	1.97	322.45	62	6773	2276	95	2.52	0.0	0.766	0.029	10	3	1	1432
PL.9915	PL.9644	A	#4 ACSR	7.38Y	123.0	0.00	1.97	2.83	2	20	5	97	0.00	0.0	0.770	0.004	0	0	0	5
PD.1789	PL.9915	A	65T	7.38Y	123.0	0.00	1.97	2.83	0	20	5	97	0.00	0.0	0.770	0.004	0	0	0	5
PL.9916	PD.1789	A	#4 ACSR	7.38Y	123.0	0.00	1.97	2.83	2	20	5	97	0.00	0.0	0.799	0.029	20	5	5	5
PL.9303	PL.9644	ABC	336 MCM AC	7.37Y	122.9	0.18	2.15	321.03	62	6740	2263	95	6.12	0.1	0.836	0.071	19	5	2	1426
PL.9645	PL.9303	ABC	336 MCM AC	7.36Y	122.7	0.15	2.30	312.19	60	6544	2199	95	4.99	0.1	0.897	0.061	7	2	1	1397
PL.9646	PL.9645	ABC	336 MCM AC	7.36Y	122.6	0.11	2.40	311.87	60	6532	2186	95	3.56	0.1	0.941	0.043	0	0	1	1396
PL.9647	PL.9646	ABC	336 MCM AC	7.35Y	122.5	0.11	2.52	311.87	60	6529	2178	95	3.78	0.1	0.987	0.046	14	4	3	1395
PL.9660	PL.9647	ABC	336 MCM AC	7.34Y	122.3	0.18	2.70	311.20	60	6510	2165	95	6.00	0.1	1.061	0.074	14	4	4	1392
PL.9661	PL.9660	ABC	336 MCM AC	7.33Y	122.2	0.11	2.80	310.53	60	6490	2148	95	3.53	0.1	1.104	0.044	15	4	4	1388
PL.9662	PL.9661	ABC	336 MCM AC	7.32Y	122.0	0.15	2.95	309.82	60	6471	2136	95	4.93	0.1	1.165	0.061	13	3	5	1384

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Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.9925	PL.9662	C	#4 ACSR	7.32Y	122.0	0.00	2.95	4.13	3	29	8	96	0.00	0.0	1.169	0.004	0	0	0	2
PD.1794	PL.9925	C	65T	7.32Y	122.0	0.00	2.95	4.13	0	29	8	96	0.00	0.0	1.169	0.004	0	0	0	2
PL.9926	PD.1794	C	#4 ACSR	7.32Y	122.0	0.01	2.96	4.13	3	29	8	96	0.00	0.0	1.218	0.049	14	3	1	2
PL.8221	PL.9926	C	#4 ACSR	7.32Y	122.0	0.02	2.98	2.22	2	16	4	97	0.00	0.0	1.538	0.320	16	4	1	1
PL.9887	PL.9662	ABC	336 MCM AC	7.32Y	121.9	0.10	3.05	307.83	59	6424	2113	95	3.33	0.1	1.207	0.042	0	0	0	1377
PL.9888	PL.9887	ABC	336 MCM AC	7.31Y	121.8	0.11	3.16	307.83	59	6421	2105	95	3.56	0.1	1.251	0.045	6	2	2	1377
PL.9806	PL.9888	ABC	336 MCM AC	7.31Y	121.8	0.08	3.24	307.55	59	6411	2096	95	2.75	0.0	1.286	0.035	9	2	1	1375
PL.9663	PL.9806	ABC	336 MCM AC	7.30Y	121.6	0.16	3.41	307.15	59	6400	2087	95	5.39	0.1	1.354	0.068	3	1	2	1374
PL.9664	PL.9663	ABC	336 MCM AC	7.29Y	121.5	0.10	3.51	307.00	59	6391	2073	95	3.34	0.1	1.396	0.042	36	9	6	1372
PL.9665	PL.9664	ABC	336 MCM AC	7.28Y	121.3	0.19	3.70	305.31	59	6352	2057	95	6.27	0.1	1.476	0.080	4	1	2	1366
PL.10109	PL.9665	A	6 A (CWC)	7.28Y	121.3	0.00	3.70	5.50	4	39	10	97	0.00	0.0	1.479	0.003	0	0	0	11
PD.1854	PL.10109	A	65T	7.28Y	121.3	0.00	3.70	5.50	0	39	10	97	0.00	0.0	1.479	0.003	0	0	0	11
PL.10110	PD.1854	A	6 A (CWC)	7.28Y	121.3	0.02	3.72	5.50	4	39	10	97	0.00	0.0	1.549	0.070	5	1	1	11
PL.9666	PL.10110	A	6 A (CWC)	7.28Y	121.3	0.01	3.73	4.76	3	34	9	97	0.00	0.0	1.610	0.061	1	0	1	10
PL.9667	PL.9666	A	6 A (CWC)	7.28Y	121.3	0.01	3.74	4.58	3	32	8	97	0.00	0.0	1.685	0.075	10	3	1	9
PL.9668	PL.9667	A	6 A (CWC)	7.27Y	121.2	0.03	3.77	3.19	2	22	6	96	0.00	0.0	1.914	0.229	5	1	2	8
PL.9927	PL.9668	A	6 A (CWC)	7.27Y	121.2	0.00	3.77	0.01	0	0	0	100	0.00	0.0	1.918	0.004	0	0	0	1
PD.1796	PL.9927	A	20T	7.27Y	121.2	0.00	3.77	0.01	0	0	0	100	0.00	0.0	1.918	0.004	0	0	0	1
PL.9928	PD.1796	A	6 A (CWC)	7.27Y	121.2	0.00	3.77	0.01	0	0	0	100	0.00	0.0	2.171	0.253	0	0	1	1
PL.9304	PL.9668	A	6 A (CWC)	7.27Y	121.2	0.01	3.78	2.50	2	18	5	96	0.00	0.0	2.032	0.118	5	1	2	5
PL.9305	PL.9304	A	6 A (CWC)	7.27Y	121.2	0.00	3.78	0.00	0	0	0	100	0.00	0.0	2.267	0.235	0	0	0	0
PL.9670	PL.9305	A	6 A (CWC)	7.27Y	121.2	0.00	3.78	0.00	0	0	0	100	0.00	0.0	2.365	0.098	0	0	0	0
PL.8239	PL.9670	A	#1/0 ACSR	7.27Y	121.2	0.00	3.78	0.00	0	0	0	100	0.00	0.0	2.434	0.069	0	0	0	0
PL.8225	PL.9304	A	#4 ACSR	7.27Y	121.2	0.00	3.78	1.12	1	8	2	97	0.00	0.0	2.076	0.044	8	2	1	1
PL.8226	PL.9304	A	#4 ACSR	7.27Y	121.2	0.00	3.78	0.70	1	5	1	98	0.00	0.0	2.104	0.073	5	1	2	2
PL.8809	PL.9665	ABC	336 MCM AC	7.26Y	121.0	0.35	4.05	303.31	58	6303	2031	95	11.50	0.2	1.624	0.148	5	1	1	1353
PL.8240	PL.8809	ABC	336 MCM AC	7.25Y	120.8	0.12	4.17	303.10	58	6287	2003	95	3.84	0.1	1.674	0.050	16	4	2	1352
PL.8242	PL.8240	C	#4 ACSR	7.25Y	120.8	0.05	4.21	12.10	9	85	22	97	0.03	0.0	1.760	0.086	1	0	2	28
PL.8243	PL.8242	C	#4 ACSR	7.25Y	120.8	0.00	4.21	1.16	1	8	2	97	0.00	0.0	1.807	0.048	8	2	1	1
PL.8244	PL.8242	C	6 A (CWC)	7.25Y	120.8	0.01	4.22	10.84	8	76	20	97	0.01	0.0	1.781	0.021	0	0	0	25
PL.10101	PL.8244	C	6 A (CWC)	7.25Y	120.8	0.00	4.22	10.84	8	76	20	97	0.00	0.0	1.784	0.003	0	0	0	25

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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
PD.1851	PL.10101	C	35L	7.25Y	120.8	0.00	4.22	10.84	31	76	20	97	0.00	0.0	1.784	0.003	0	0	0	25
PL.10102	PD.1851	C	6 A (CWC)	7.24Y	120.7	0.03	4.26	10.84	8	76	20	97	0.02	0.0	1.851	0.067	5	1	1	25
PL.8755	PL.10102	C	#4 ACSR	7.24Y	120.7	0.02	4.28	8.49	7	60	15	97	0.01	0.0	1.916	0.065	0	0	0	22
PL.8765	PL.8755	C	6 A (CWC)	7.24Y	120.7	0.00	4.28	0.28	0	2	1	89	0.00	0.0	1.966	0.050	2	1	1	1
PL.9852	PL.8755	C	6 A (CWC)	7.24Y	120.7	0.04	4.32	8.21	6	58	15	97	0.02	0.0	2.039	0.123	6	1	2	21
PL.9853	PL.9852	C	6 A (CWC)	7.24Y	120.6	0.03	4.36	7.38	5	52	13	97	0.01	0.0	2.140	0.102	0	0	0	19
PL.9851	PL.9853	C	6 A (CWC)	7.24Y	120.6	0.04	4.39	7.38	5	52	13	97	0.01	0.0	2.249	0.109	4	1	1	19
PL.8811	PL.9851	C	6 A (CWC)	7.24Y	120.6	0.01	4.41	6.30	5	44	11	97	0.00	0.0	2.299	0.049	0	0	1	16
PL.8762	PL.8811	C	6 A (CWC)	7.24Y	120.6	0.01	4.42	2.00	1	14	4	96	0.00	0.0	2.378	0.079	1	0	1	12
PL.8761	PL.8762	C	6 A (CWC)	7.23Y	120.6	0.01	4.43	1.92	1	13	3	97	0.00	0.0	2.497	0.119	0	0	0	11
PL.8756	PL.8761	C	6 A (CWC)	7.23Y	120.6	0.00	4.43	0.02	0	0	0	100	0.00	0.0	2.534	0.037	0	0	1	1
PL.9282	PL.8756	C	#4 ACSR	7.23Y	120.6	0.00	4.43	0.00	0	0	0	100	0.00	0.0	2.593	0.059	0	0	0	0
PL.9847	PL.9282	C	#4 ACSR	7.23Y	120.6	0.00	4.43	0.00	0	0	0	100	0.00	0.0	2.615	0.022	0	0	0	0
PL.9848	PL.9847	C	#4 ACSR	7.23Y	120.6	0.00	4.43	0.00	0	0	0	100	0.00	0.0	2.633	0.018	0	0	0	0
PL.9227	PL.8761	C	6 A (CWC)	7.23Y	120.6	0.00	4.43	0.27	0	2	0	100	0.00	0.0	2.569	0.073	2	0	1	1
PL.9845	PL.8761	C	6 A (CWC)	7.23Y	120.6	0.01	4.43	1.63	1	11	3	96	0.00	0.0	2.623	0.126	6	1	4	9
PL.9846	PL.9845	C	6 A (CWC)	7.23Y	120.6	0.00	4.43	0.84	1	6	2	95	0.00	0.0	2.694	0.072	3	1	1	5
PL.9844	PL.9846	C	6 A (CWC)	7.23Y	120.6	0.00	4.44	0.48	0	3	1	95	0.00	0.0	2.750	0.056	2	1	2	4
PL.8764	PL.9844	C	#2 ACSR	7.23Y	120.6	0.00	4.44	0.14	0	1	0	100	0.00	0.0	2.851	0.101	0	0	1	2
PL.9843	PL.8764	C	#2 ACSR	7.23Y	120.6	0.00	4.44	0.11	0	1	0	100	0.00	0.0	2.919	0.067	1	0	1	1
PL.9849	PL.8811	C	#4 ACSR	7.24Y	120.6	0.01	4.42	4.29	3	30	8	97	0.00	0.0	2.350	0.051	14	4	2	3
PL.9850	PL.9849	C	#4 ACSR	7.23Y	120.6	0.00	4.42	2.31	2	16	4	97	0.00	0.0	2.384	0.035	16	4	1	1
PL.8758	PL.9851	C	#4 ACSR	7.24Y	120.6	0.00	4.39	0.55	0	4	1	97	0.00	0.0	2.297	0.048	4	1	2	2
PL.8759	PL.9851	C	#1/0 ACSR	7.24Y	120.6	0.00	4.39	0.00	0	0	0	100	0.00	0.0	2.277	0.028	0	0	0	0
PL.8760	PL.8759	C	#1/0 ACSR	7.24Y	120.6	0.00	4.39	0.00	0	0	0	100	0.00	0.0	2.289	0.012	0	0	0	0
PL.8757	PL.10102	C	#2 ACSR	7.24Y	120.7	0.00	4.26	1.62	1	11	3	96	0.00	0.0	1.927	0.076	11	3	2	2
PL.8810	PL.8240	ABC	336 MCM AC	7.25Y	120.8	0.04	4.21	298.33	57	6183	1968	95	1.32	0.0	1.692	0.018	0	0	0	1322
PL.9297	PL.8810	ABC	336 MCM AC	7.25Y	120.8	0.01	4.22	298.05	57	6176	1964	95	0.34	0.0	1.696	0.005	0	0	0	1320
PL.9298	PL.9297	ABC	336 MCM AC	7.24Y	120.6	0.20	4.41	298.05	57	6175	1963	95	6.32	0.1	1.781	0.084	0	0	0	1320
PL.8245	PL.9298	C	#2 ACSR	7.24Y	120.6	0.00	4.41	5.95	3	42	11	97	0.00	0.0	1.785	0.004	0	0	0	12
PD.1822	PL.8245	C	65T	7.24Y	120.6	0.00	4.41	5.95	0	42	11	97	0.00	0.0	1.785	0.004	0	0	0	12

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.8431	PD.1822	C	#4 ACSR	7.23Y	120.6	0.00	4.42	1.80	1	13	3	97	0.00	0.0	1.838	0.053	8	2	2	7
PL.8247	PL.8431	C	#4 ACSR	7.23Y	120.6	0.00	4.42	0.00	0	0	0	100	0.00	0.0	1.863	0.025	0	0	0	0
PL.8248	PL.8431	C	#2 ACSR	7.23Y	120.6	0.00	4.42	0.71	0	5	1	98	0.00	0.0	1.876	0.039	5	1	5	5
PL.9293	PD.1822	C	#4 ACSR	7.24Y	120.6	0.00	4.42	4.16	3	29	7	97	0.00	0.0	1.789	0.004	0	0	0	5
PL.9295	PL.9293	C	#4 ACSR	7.24Y	120.6	0.00	4.42	1.52	1	11	3	96	0.00	0.0	1.794	0.005	0	0	0	2
PL.8415	PL.9295	C	#4 ACSR	7.24Y	120.6	0.00	4.42	1.52	1	11	3	96	0.00	0.0	1.807	0.013	0	0	0	2
PL.8251	PL.8415	C	#4 ACSR	7.23Y	120.6	0.00	4.42	1.52	1	11	3	96	0.00	0.0	1.842	0.035	11	3	2	2
PL.8246	PL.9293	C	#2 ACSR	7.23Y	120.6	0.01	4.42	2.64	2	18	5	96	0.00	0.0	1.866	0.077	0	0	0	3
PL.8253	PL.8246	C	#2 ACSR	7.23Y	120.6	0.00	4.42	2.64	2	18	5	96	0.00	0.0	1.917	0.051	18	5	3	3
PL.8812	PL.9298	ABC	336 MCM AC	7.22Y	120.3	0.26	4.68	296.07	57	6127	1937	95	8.51	0.1	1.896	0.115	1	0	1	1308
PL.9979	PL.8812	C	#2 ACSR	7.22Y	120.3	0.00	4.68	0.72	0	5	1	98	0.00	0.0	1.900	0.004	0	0	0	1
PD.1823	PL.9979	C	65T	7.22Y	120.3	0.00	4.68	0.72	0	5	1	98	0.00	0.0	1.900	0.004	0	0	0	1
PL.9980	PD.1823	C	#2 ACSR	7.22Y	120.3	0.00	4.68	0.72	0	5	1	98	0.00	0.0	1.976	0.076	5	1	1	1
PL.8813	PL.8812	ABC	336 MCM AC	7.21Y	120.2	0.10	4.78	295.77	57	6113	1916	95	3.20	0.1	1.939	0.043	0	0	1	1306
PL.9636	PL.8813	ABC	336 MCM AC	7.20Y	120.1	0.15	4.93	295.77	57	6109	1908	95	4.88	0.1	2.006	0.066	8	2	1	1305
PL.10168	PL.9636	A	#1/0 ACSR	7.20Y	120.1	0.00	4.93	1.12	0	8	2	97	0.00	0.0	2.008	0.003	0	0	0	1
PD.1880	PL.10168	A	15T	7.20Y	120.1	0.00	4.93	1.12	0	8	2	97	0.00	0.0	2.008	0.003	0	0	0	1
PL.10169	PD.1880	A	#1/0 ACSR	7.20Y	120.1	0.00	4.93	1.12	0	8	2	97	0.00	0.0	2.063	0.055	8	2	1	1
PL.9637	PL.9636	ABC	336 MCM AC	7.20Y	119.9	0.14	5.07	295.02	57	6089	1893	95	4.54	0.1	2.068	0.062	11	3	1	1303
PL.8814	PL.9637	ABC	336 MCM AC	7.19Y	119.8	0.13	5.20	293.82	57	6059	1876	96	4.26	0.1	2.126	0.059	0	0	0	1299
PL.9638	PL.8814	ABC	336 MCM AC	7.18Y	119.7	0.08	5.28	292.90	56	6036	1861	96	2.64	0.0	2.163	0.036	5	1	1	1297
PL.9639	PL.9638	ABC	336 MCM AC	7.18Y	119.6	0.13	5.41	292.67	56	6028	1854	96	4.08	0.1	2.219	0.057	0	0	0	1296
PL.9641	PL.9639	ABC	336 MCM AC	7.17Y	119.5	0.05	5.46	290.53	56	5979	1833	96	1.71	0.0	2.243	0.024	2	1	1	1278
PL.9642	PL.9641	ABC	336 MCM AC	7.16Y	119.4	0.13	5.59	290.43	56	5976	1828	96	4.08	0.1	2.301	0.058	9	2	3	1277
PL.9640	PL.9642	ABC	336 MCM AC	7.15Y	119.2	0.24	5.83	290.01	56	5963	1816	96	7.60	0.1	2.408	0.107	0	0	0	1274
PL.8255	PL.9640	ABC	336 MCM AC	7.14Y	119.1	0.12	5.95	289.29	56	5940	1795	96	3.75	0.1	2.461	0.053	1	0	1	1271
PL.8815	PL.8255	ABC	336 MCM AC	7.14Y	119.0	0.07	6.02	288.82	56	5927	1784	96	2.35	0.0	2.495	0.033	5	1	2	1268
PL.9286	PL.8815	ABC	#1/0 ACSR	7.13Y	118.9	0.08	6.10	103.15	45	2122	614	96	1.21	0.1	2.538	0.043	0	0	0	450
PL.9287	PL.9286	ABC	#1/0 ACSR	7.13Y	118.9	0.00	6.10	103.15	45	2121	613	96	0.04	0.0	2.539	0.001	0	0	0	450
PD.1860	PL.9287	ABC	2004C	7.13Y	118.9	0.00	6.10	103.15	0	2121	613	96	0.00	0.0	2.539	0.001	0	0	0	450
PL.8417	PD.1860	ABC	#1/0 ACSR	7.13Y	118.9	0.00	6.11	103.15	45	2121	613	96	0.04	0.0	2.540	0.001	10	3	1	450

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.8419	PL.8417	ABC	#1/0 ACSR	7.13Y	118.8	0.14	6.24	102.67	45	2111	610	96	2.07	0.1	2.614	0.074	1	0	1	449
PL.10003	PL.8419	ABC	#1/0 ACSR	7.12Y	118.7	0.01	6.25	101.92	44	2093	604	96	0.11	0.0	2.618	0.004	0	0	0	443
PL.10004	PL.10003	ABC	#1/0 ACSR	7.11Y	118.4	0.30	6.55	101.92	44	2093	604	96	4.47	0.2	2.780	0.162	2	1	1	443
PL.9534	PL.10004	ABC	#1/0 ACSR	7.10Y	118.3	0.17	6.72	101.81	44	2086	599	96	2.51	0.1	2.871	0.091	4	1	2	442
PL.9290	PL.9534	ABC	#1/0 ACSR	7.09Y	118.1	0.19	6.90	101.52	44	2078	595	96	2.77	0.1	2.972	0.101	0	0	0	438
PL.8368	PL.9290	C	#1/0 ACSR	7.09Y	118.1	0.00	6.90	0.43	0	3	1	95	0.00	0.0	2.976	0.004	0	0	0	1
PD.1766	PL.8368	C	40T	7.09Y	118.1	0.00	6.90	0.43	0	3	1	95	0.00	0.0	2.976	0.004	0	0	0	1
PL.8369	PD.1766	C	#1/0 ACSR	7.09Y	118.1	0.00	6.90	0.43	0	3	1	95	0.00	0.0	3.016	0.041	3	1	1	1
PL.9291	PL.9290	ABC	#1/0 ACSR	7.08Y	118.0	0.09	6.99	101.38	44	2072	592	96	1.33	0.1	3.020	0.048	0	0	0	437
PL.9292	PL.9291	ABC	#1/0 ACSR	7.08Y	118.0	0.00	6.99	101.38	44	2071	590	96	0.02	0.0	3.021	0.001	0	0	0	437
RG.14	PL.9292	ABC	114.3 KVA	7.45Y	124.2	-6.21	0.78	101.38	68	2071	590	96	percent Boost= 5.00 Tap= 8.0							437
PL.8820	RG.14	ABC	#1/0 ACSR	7.43Y	123.9	0.33	1.11	96.31	42	2071	590	96	4.61	0.2	3.207	0.186	0	0	0	437
PL.8821	PL.8820	ABC	#1/0 ACSR	7.41Y	123.5	0.43	1.54	96.31	42	2066	586	96	6.08	0.3	3.453	0.246	0	0	0	437
PL.10096	PL.8821	ABC	#1/0 ACSR	7.40Y	123.4	0.09	1.63	81.30	35	1737	496	96	1.13	0.1	3.518	0.064	4	1	1	362
PL.8311	PL.10096	ABC	#1/0 ACSR	7.40Y	123.3	0.11	1.74	81.13	35	1733	494	96	1.33	0.1	3.594	0.076	0	0	0	361
PL.8659	PL.8311	A	#1/0 ACSR	7.40Y	123.3	0.00	1.74	0.75	0	5	1	98	0.00	0.0	3.598	0.005	0	0	0	1
PD.1762	PL.8659	A	40T	7.40Y	123.3	0.00	1.74	0.75	0	5	1	98	0.00	0.0	3.598	0.005	0	0	0	1
PL.8660	PD.1762	A	#1/0 ACSR	7.40Y	123.3	0.00	1.74	0.75	0	5	1	98	0.00	0.0	3.618	0.020	5	1	1	1
PL.8822	PL.8311	ABC	#1/0 ACSR	7.38Y	122.9	0.31	2.06	80.88	35	1726	491	96	3.73	0.2	3.808	0.214	3	1	1	360
PL.9536	PL.8822	ABC	#1/0 ACSR	7.35Y	122.6	0.37	2.42	80.75	35	1719	487	96	4.33	0.3	4.058	0.251	9	2	2	359
PL.10220	PL.9536	ABC	#1/0 ACSR	7.34Y	122.4	0.16	2.58	72.77	32	1545	439	96	1.74	0.1	4.182	0.123	0	0	1	335
PL.10221	PL.10220	ABC	#1/0 ACSR	7.33Y	122.2	0.24	2.82	72.77	32	1543	437	96	2.54	0.2	4.362	0.180	0	0	0	334
PL.8655	PL.10221	C	#1/0 ACSR	7.33Y	122.2	0.00	2.82	0.00	0	0	0	100	0.00	0.0	4.367	0.005	0	0	0	0
PD.1760	PL.8655	C	40T	7.33Y	122.2	0.00	2.82	0.00	0	0	0	100	0.00	0.0	4.367	0.005	0	0	0	0
PL.8656	PD.1760	C	#1/0 ACSR	7.33Y	122.2	0.00	2.82	0.00	0	0	0	100	0.00	0.0	4.540	0.173	0	0	0	0
PL.8657	PL.8656	C	1/0 AL URD	7.33Y	122.2	0.00	2.82	0.00	0	0	0	100	0.00	0.0	4.545	0.005	0	0	0	0
PD.1761	PL.8657	C	25T	7.33Y	122.2	0.00	2.82	0.00	0	0	0	100	0.00	0.0	4.545	0.005	0	0	0	0
PL.8658	PD.1761	C	1/0 AL URD	7.33Y	122.2	0.00	2.82	0.00	0	0	0	100	0.00	0.0	4.624	0.080	0	0	0	0
PL.8824	PL.10221	ABC	#1/0 ACSR	7.31Y	121.8	0.33	3.15	72.61	32	1537	434	96	3.56	0.2	4.615	0.253	0	0	0	333
PL.8825	PL.8824	ABC	#1/0 ACSR	7.29Y	121.5	0.37	3.52	66.93	29	1412	400	96	3.64	0.3	4.921	0.306	3	1	3	312
PL.9054	PL.8825	A	#4 ACSR	7.29Y	121.5	0.00	3.52	0.00	0	0	0	100	0.00	0.0	4.926	0.005	0	0	0	0

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% 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.1737	PL.9054	A	40T	7.29Y	121.5	0.00	3.52	0.00	0	0	0	100	0.00	0.0	4.926	0.005	0	0	0	0
PL.9055	PD.1737	A	#4 ACSR	7.29Y	121.5	0.00	3.52	0.00	0	0	0	100	0.00	0.0	5.102	0.176	0	0	0	0
PL.9058	PL.8825	C	6 A (CWC)	7.29Y	121.5	0.02	3.54	8.73	6	62	16	97	0.01	0.0	4.968	0.047	0	0	0	20
PD.1739	PL.9058	C	40T	7.29Y	121.5	0.00	3.54	8.73	0	62	16	97	0.00	0.0	4.968	0.047	0	0	0	20
PL.9059	PD.1739	C	6 A (CWC)	7.29Y	121.4	0.02	3.56	8.73	6	62	16	97	0.01	0.0	5.016	0.048	9	2	4	20
PL.9456	PL.9059	C	6 A (CWC)	7.28Y	121.4	0.03	3.59	7.43	5	52	13	97	0.01	0.0	5.093	0.077	0	0	0	16
PL.8346	PL.9456	C	#4 ACSR	7.28Y	121.4	0.00	3.59	1.24	1	9	2	98	0.00	0.0	5.128	0.035	9	2	1	1
PL.9457	PL.9456	C	6 A (CWC)	7.28Y	121.4	0.02	3.60	5.40	4	38	10	97	0.00	0.0	5.172	0.079	9	2	1	13
PL.21307	PL.9457	C	6 A (CWC)	7.28Y	121.4	0.02	3.62	4.12	3	29	7	97	0.00	0.0	5.282	0.110	0	0	0	12
PL.21308	PL.21307	C	6 A (CWC)	7.28Y	121.4	0.01	3.63	3.79	3	27	7	97	0.00	0.0	5.344	0.062	9	2	2	11
PL.9471	PL.21308	C	6 A (CWC)	7.28Y	121.4	0.01	3.64	2.56	2	18	5	96	0.00	0.0	5.419	0.075	1	0	1	9
PL.8348	PL.9471	C	#1/0 ACSR	7.28Y	121.4	0.00	3.64	0.44	0	3	1	95	0.00	0.0	5.461	0.042	3	1	1	1
PL.8828	PL.9471	C	6 A (CWC)	7.28Y	121.4	0.01	3.65	2.04	1	14	4	96	0.00	0.0	5.493	0.074	0	0	0	7
PL.8349	PL.8828	C	6 A (CWC)	7.28Y	121.4	0.00	3.65	0.68	0	5	1	98	0.00	0.0	5.549	0.055	3	1	2	3
PL.8350	PL.8349	C	#1/0 ACSR	7.28Y	121.4	0.00	3.65	0.25	0	2	0	100	0.00	0.0	5.611	0.062	2	0	1	1
PL.9437	PL.8828	C	6 A (CWC)	7.28Y	121.3	0.01	3.65	1.36	1	10	2	98	0.00	0.0	5.601	0.108	2	0	1	4
PL.9438	PL.9437	C	6 A (CWC)	7.28Y	121.3	0.01	3.66	1.10	1	8	2	97	0.00	0.0	5.706	0.105	0	0	0	3
PL.8352	PL.9438	C	#1/0 ACSR	7.28Y	121.3	0.00	3.66	0.36	0	3	1	95	0.00	0.0	5.921	0.216	3	1	1	1
PL.8829	PL.9438	C	6 A (CWC)	7.28Y	121.3	0.00	3.66	0.74	1	5	1	98	0.00	0.0	5.845	0.139	5	1	1	2
PL.9463	PL.8829	C	6 A (CWC)	7.28Y	121.3	0.00	3.66	0.00	0	0	0	100	0.00	0.0	6.047	0.202	0	0	1	1
PL.21306	PL.21307	C	#1/0 ACSR	7.28Y	121.4	0.00	3.62	0.33	0	2	1	89	0.00	0.0	5.387	0.105	2	1	1	1
PL.8347	PL.9456	C	#4 ACSR	7.28Y	121.4	0.00	3.59	0.79	1	6	1	99	0.00	0.0	5.147	0.054	6	1	2	2
PL.8827	PL.8825	ABC	#1/0 ACSR	7.28Y	121.4	0.11	3.64	63.87	28	1344	380	96	1.06	0.1	5.019	0.097	0	0	0	289
PL.8830	PL.8827	ABC	#1/0 ACSR	7.28Y	121.3	0.09	3.73	63.83	28	1342	378	96	0.86	0.1	5.098	0.080	0	0	0	288
PL.10015	PL.8830	C	#4 ACSR	7.28Y	121.3	0.00	3.73	1.43	1	10	3	96	0.00	0.0	5.103	0.005	0	0	0	1
PD.1638	PL.10015	C	40T	7.28Y	121.3	0.00	3.73	1.43	0	10	3	96	0.00	0.0	5.103	0.005	0	0	0	1
PL.10016	PD.1638	C	#4 ACSR	7.28Y	121.3	0.00	3.73	1.43	1	10	3	96	0.00	0.0	5.173	0.070	10	3	1	1
PL.9459	PL.8830	ABC	#1/0 ACSR	7.27Y	121.2	0.06	3.79	63.15	27	1327	374	96	0.56	0.0	5.151	0.052	2	0	2	286
PL.9460	PL.9459	ABC	#1/0 ACSR	7.24Y	120.6	0.60	4.39	63.07	27	1325	373	96	5.57	0.4	5.677	0.526	0	0	0	284
PL.10075	PL.9460	C	#1/0 ACSR	7.24Y	120.6	0.00	4.39	0.09	0	1	0	100	0.00	0.0	5.681	0.005	0	0	0	1
PD.1668	PL.10075	C	40T	7.24Y	120.6	0.00	4.39	0.09	0	1	0	100	0.00	0.0	5.681	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: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.10076	PD.1668	C	#1/0 ACSR	7.24Y	120.6	0.00	4.39	0.09	0	1	0	100	0.00	0.0	5.720	0.038	1	0	1	1
PL.9231	PL.9460	ABC	#1/0 ACSR	7.23Y	120.5	0.12	4.51	63.04	27	1318	367	96	1.10	0.1	5.780	0.104	0	0	0	283
PL.9232	PL.9231	ABC	#1/0 ACSR	7.23Y	120.5	0.04	4.55	61.35	27	1282	357	96	0.38	0.0	5.818	0.038	0	0	0	280
PL.9311	PL.9232	ABC	#1/0 ACSR	7.22Y	120.4	0.06	4.61	61.35	27	1281	357	96	0.55	0.0	5.873	0.055	4	1	3	280
PL.9312	PL.9311	ABC	#1/0 ACSR	7.22Y	120.3	0.10	4.71	59.93	26	1251	349	96	0.90	0.1	5.968	0.094	2	1	2	270
PL.10025	PL.9312	A	#2 ACSR	7.22Y	120.3	0.00	4.71	0.83	0	6	1	99	0.00	0.0	5.972	0.004	0	0	0	3
PD.1643	PL.10025	A	40T	7.22Y	120.3	0.00	4.71	0.83	0	6	1	99	0.00	0.0	5.972	0.004	0	0	0	3
PL.10026	PD.1643	A	#2 ACSR	7.22Y	120.3	0.00	4.71	0.83	0	6	1	99	0.00	0.0	6.016	0.044	3	1	2	3
PL.9461	PL.10026	A	#2 ACSR	7.22Y	120.3	0.00	4.71	0.39	0	3	1	95	0.00	0.0	6.041	0.025	0	0	0	1
PL.8491	PL.9461	A	#2 ACSR	7.22Y	120.3	0.00	4.71	0.39	0	3	1	95	0.00	0.0	6.078	0.037	3	1	1	1
PL.8832	PL.9312	ABC	#1/0 ACSR	7.21Y	120.2	0.09	4.80	59.54	26	1242	346	96	0.78	0.1	6.051	0.083	0	0	0	265
PL.10027	PL.8832	A	6 A (CWC)	7.21Y	120.2	0.00	4.80	0.46	0	3	1	95	0.00	0.0	6.055	0.004	0	0	0	1
PD.1644	PL.10027	A	40T	7.21Y	120.2	0.00	4.80	0.46	0	3	1	95	0.00	0.0	6.055	0.004	0	0	0	1
PL.10028	PD.1644	A	6 A (CWC)	7.21Y	120.2	0.00	4.80	0.46	0	3	1	95	0.00	0.0	6.108	0.053	3	1	1	1
PL.9464	PL.8832	ABC	#1/0 ACSR	7.21Y	120.1	0.07	4.87	59.38	26	1238	344	96	0.61	0.0	6.116	0.066	7	2	1	264
PL.9465	PL.9464	ABC	#1/0 ACSR	7.19Y	119.9	0.22	5.09	59.03	26	1230	342	96	1.88	0.2	6.319	0.202	0	0	0	263
PL.9062	PL.9465	C	#4 ACSR	7.19Y	119.9	0.00	5.09	1.58	1	11	3	96	0.00	0.0	6.323	0.005	0	0	0	1
PD.1742	PL.9062	C	40T	7.19Y	119.9	0.00	5.09	1.58	0	11	3	96	0.00	0.0	6.323	0.005	0	0	0	1
PL.9063	PD.1742	C	#4 ACSR	7.19Y	119.9	0.00	5.09	1.58	1	11	3	96	0.00	0.0	6.375	0.051	11	3	1	1
PL.8833	PL.9465	ABC	#1/0 ACSR	7.17Y	119.6	0.36	5.44	58.51	25	1217	337	96	3.09	0.3	6.657	0.338	0	0	0	262
PL.8834	PL.8833	ABC	#1/0 ACSR	7.16Y	119.4	0.17	5.61	58.35	25	1211	333	96	1.46	0.1	6.819	0.162	1	0	1	261
PL.9064	PL.8834	A	#2 ACSR	7.16Y	119.4	0.00	5.61	0.69	0	5	1	98	0.00	0.0	6.823	0.004	0	0	0	5
PD.1743	PL.9064	A	40T	7.16Y	119.4	0.00	5.61	0.69	0	5	1	98	0.00	0.0	6.823	0.004	0	0	0	5
PL.9065	PD.1743	A	#2 ACSR	7.16Y	119.4	0.01	5.62	0.69	0	5	1	98	0.00	0.0	7.254	0.432	1	0	2	5
PL.9322	PL.9065	A	#2 ACSR	7.16Y	119.4	0.00	5.62	0.04	0	0	0	100	0.00	0.0	7.271	0.016	0	0	2	2
PL.8539	PL.9065	A	#1/0 ACSR	7.16Y	119.4	0.00	5.62	0.51	0	4	1	97	0.00	0.0	7.301	0.047	4	1	1	1
PL.8835	PL.8834	ABC	#1/0 ACSR	7.15Y	119.2	0.16	5.78	58.07	25	1203	330	96	1.41	0.1	6.975	0.157	0	0	0	255
PL.9468	PL.8835	ABC	#1/0 ACSR	7.14Y	119.0	0.19	5.96	57.79	25	1196	328	96	1.59	0.1	7.156	0.181	18	5	2	254
PL.9469	PL.9468	ABC	#1/0 ACSR	7.14Y	118.9	0.09	6.05	56.92	25	1177	321	96	0.76	0.1	7.244	0.088	0	0	0	252
PL.8493	PL.9469	ABC	#1/0 ACSR	7.13Y	118.8	0.20	6.25	55.78	24	1152	315	96	1.60	0.1	7.440	0.195	12	3	1	248
PL.9038	PL.8493	C	6 A (CWC)	7.13Y	118.8	0.00	6.25	1.57	1	11	3	96	0.00	0.0	7.444	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: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% 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.1727	PL.9038	C	40T	7.13Y	118.8	0.00	6.25	1.57	0	11	3	96	0.00	0.0	7.444	0.005	0	0	0	1
PL.9039	PD.1727	C	6 A (CWC)	7.12Y	118.7	0.00	6.25	1.57	1	11	3	96	0.00	0.0	7.524	0.079	11	3	1	1
PL.8838	PL.8493	ABC	#1/0 ACSR	7.12Y	118.7	0.08	6.33	54.69	24	1128	307	96	0.65	0.1	7.522	0.082	1	0	1	246
PL.8839	PL.8838	ABC	#1/0 ACSR	7.11Y	118.6	0.09	6.42	54.33	24	1120	305	96	0.76	0.1	7.618	0.096	0	0	0	244
PL.10033	PL.8839	C	#1/0 ACSR	7.11Y	118.6	0.00	6.42	0.00	0	0	0	100	0.00	0.0	7.622	0.005	0	0	0	0
PD.1647	PL.10033	C	40T	7.11Y	118.6	0.00	6.42	0.00	0	0	0	100	0.00	0.0	7.622	0.005	0	0	0	0
PL.10034	PD.1647	C	#1/0 ACSR	7.11Y	118.6	0.00	6.42	0.00	0	0	0	100	0.00	0.0	7.839	0.217	0	0	0	0
PL.8840	PL.8839	ABC	#1/0 ACSR	7.11Y	118.5	0.13	6.55	54.33	24	1119	304	97	1.00	0.1	7.747	0.129	10	2	1	244
PL.9403	PL.8840	ABC	#1/0 ACSR	7.11Y	118.4	0.02	6.57	47.23	21	971	265	96	0.12	0.0	7.766	0.020	0	0	0	189
PL.9404	PL.9403	ABC	#1/0 ACSR	7.10Y	118.4	0.06	6.62	47.23	21	971	265	96	0.39	0.0	7.832	0.066	3	1	2	189
PL.9405	PL.9404	ABC	#1/0 ACSR	7.10Y	118.3	0.06	6.68	47.06	20	968	264	96	0.40	0.0	7.900	0.068	6	1	2	187
PL.9812	PL.9405	ABC	#1/0 ACSR	7.09Y	118.2	0.13	6.81	46.80	20	962	262	96	0.92	0.1	8.058	0.158	1	0	1	185
REG51	PL.9812	ABC	76.2 KVA	7.51Y	125.2	-7.04	-0.23	46.74	47	960	261	96	percent Boost= 5.62 Tap= 9.0							184
PL.9813	REG51	ABC	#1/0 ACSR	7.51Y	125.2	0.06	-0.17	44.11	19	960	261	96	0.42	0.0	8.139	0.081	11	3	2	184
PL.10093	PL.9813	B	6 A (CWC)	7.50Y	125.1	0.12	-0.05	39.95	29	290	77	97	0.25	0.1	8.204	0.065	0	0	0	61
PD.1847	PL.10093	B	70L	7.50Y	125.1	0.00	-0.05	39.95	57	290	77	97	0.00	0.0	8.204	0.065	0	0	0	61
PL.10094	PD.1847	B	6 A (CWC)	7.49Y	124.8	0.21	0.16	39.95	29	290	77	97	0.46	0.2	8.321	0.117	0	0	0	61
PL.9429	PL.10094	B	6 A (CWC)	7.49Y	124.8	0.05	0.22	39.95	29	289	77	97	0.11	0.0	8.351	0.030	4	1	1	61
PL.9430	PL.9429	B	6 A (CWC)	7.48Y	124.7	0.12	0.34	39.45	28	286	76	97	0.26	0.1	8.418	0.068	0	0	0	60
PL.9431	PL.9430	B	6 A (CWC)	7.37Y	122.8	1.81	2.15	39.45	28	285	76	97	3.81	1.3	9.426	1.008	0	0	0	60
PL.8846	PL.9431	B	6 A (CWC)	7.36Y	122.7	0.10	2.25	36.57	26	261	68	97	0.20	0.1	9.487	0.061	0	0	0	57
PL.8517	PL.8846	B	#4 ACSR	7.36Y	122.7	0.00	2.25	0.96	1	7	2	96	0.00	0.0	9.510	0.023	7	2	2	2
PL.9327	PL.8846	B	6 A (CWC)	7.36Y	122.7	0.09	2.34	35.60	25	254	66	97	0.16	0.1	9.540	0.053	7	2	1	55
PL.9328	PL.9327	B	6 A (CWC)	7.33Y	122.2	0.50	2.84	31.67	23	226	59	97	0.83	0.4	9.896	0.356	10	3	1	51
PL.9815	PL.9328	B	6 A (CWC)	7.32Y	122.0	0.12	2.96	30.21	22	214	56	97	0.19	0.1	9.981	0.085	0	0	0	50
PL.8849	PL.9815	B	6 A (CWC)	7.31Y	121.9	0.14	3.10	28.30	20	201	52	97	0.22	0.1	10.096	0.115	9	2	1	44
PL.33076	PL.8849	B	6 A (CWC)	7.30Y	121.7	0.24	3.33	27.02	19	191	49	97	0.34	0.2	10.287	0.191	0	0	0	43
PD.4893	PL.33076	B	30T	7.30Y	121.7	0.00	3.33	27.02	0	191	49	97	0.00	0.0	10.287	0.191	0	0	0	43
PL.33077	PD.4893	B	6 A (CWC)	7.29Y	121.6	0.11	3.44	27.02	19	191	49	97	0.16	0.1	10.376	0.089	0	0	0	43
PL.8524	PL.33077	B	#4 ACSR	7.29Y	121.5	0.04	3.48	27.02	21	191	49	97	0.06	0.0	10.410	0.034	9	2	2	43
PL.8564	PL.8524	B	6 A (CWC)	7.28Y	121.3	0.23	3.72	25.77	18	182	47	97	0.32	0.2	10.610	0.200	0	0	1	41

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.8525	PL.8564	B	#1/0 ACSR	7.28Y	121.3	0.00	3.72	1.42	1	10	3	96	0.00	0.0	10.651	0.041	10	3	2	2
PL.8850	PL.8564	B	6 A (CWC)	7.27Y	121.2	0.04	3.76	24.32	17	171	44	97	0.06	0.0	10.649	0.039	0	0	0	38
PL.8526	PL.8850	B	#4 ACSR	7.27Y	121.2	0.01	3.77	6.09	5	43	11	97	0.00	0.0	10.699	0.051	1	0	1	6
PL.8852	PL.8526	B	#4 ACSR	7.27Y	121.2	0.00	3.78	1.39	1	10	3	96	0.00	0.0	10.811	0.112	10	3	2	2
PL.66253	PL.8526	B	#4 ACSR	7.27Y	121.2	0.01	3.78	4.61	4	32	8	97	0.00	0.0	10.748	0.049	0	0	0	3
PL.66252	PL.66253	B	#1/0 ACSR	7.27Y	121.2	0.00	3.79	0.99	0	7	2	96	0.00	0.0	10.789	0.041	0	0	0	1
PL.66255	PL.66252	B	#1/0 ACSR	7.27Y	121.2	0.00	3.79	0.99	0	7	2	96	0.00	0.0	10.838	0.049	7	2	1	1
PL.66254	PL.66253	B	#4 ACSR	7.27Y	121.2	0.00	3.79	3.61	3	25	7	96	0.00	0.0	10.777	0.029	25	7	2	2
PL.8851	PL.8850	B	6 A (CWC)	7.27Y	121.1	0.10	3.86	18.23	13	128	33	97	0.09	0.1	10.763	0.115	0	0	0	32
PL.8853	PL.8851	B	6 A (CWC)	7.26Y	121.1	0.06	3.92	18.23	13	128	33	97	0.06	0.0	10.836	0.073	0	0	0	32
PL.8565	PL.8853	B	#4 ACSR	7.26Y	121.1	0.00	3.92	0.06	0	0	0	100	0.00	0.0	10.876	0.040	0	0	1	1
PL.9334	PL.8853	B	6 A (CWC)	7.26Y	121.0	0.08	4.00	18.16	13	128	33	97	0.08	0.1	10.934	0.098	1	0	1	31
PL.9335	PL.9334	B	6 A (CWC)	7.26Y	121.0	0.02	4.02	17.96	13	126	32	97	0.02	0.0	10.964	0.030	0	0	0	30
PL.9862	PL.9335	B	6 A (CWC)	7.26Y	121.0	0.00	4.02	7.82	6	55	14	97	0.00	0.0	10.969	0.005	0	0	0	10
PD.1718	PL.9862	B	20T	7.26Y	121.0	0.00	4.02	7.82	0	55	14	97	0.00	0.0	10.969	0.005	0	0	0	10
PL.9863	PD.1718	B	6 A (CWC)	7.25Y	120.9	0.10	4.13	7.82	6	55	14	97	0.04	0.1	11.259	0.290	0	0	0	10
PL.8528	PL.9863	B	#4 ACSR	7.25Y	120.9	0.00	4.13	0.94	1	7	2	96	0.00	0.0	11.314	0.055	7	2	1	1
PL.8856	PL.9863	B	6 A (CWC)	7.25Y	120.8	0.04	4.17	6.88	5	48	12	97	0.02	0.0	11.391	0.132	0	0	0	9
PL.9864	PL.8856	B	#2 ACSR	7.25Y	120.8	0.00	4.17	6.63	4	47	12	97	0.00	0.0	11.395	0.004	0	0	0	8
PD.1719	PL.9864	B	12T	7.25Y	120.8	0.00	4.17	6.63	0	47	12	97	0.00	0.0	11.395	0.004	0	0	0	8
PL.9865	PD.1719	B	#2 ACSR	7.25Y	120.8	0.01	4.18	6.63	4	47	12	97	0.00	0.0	11.473	0.078	10	3	1	8
PL.9338	PL.9865	B	#2 ACSR	7.25Y	120.8	0.03	4.21	5.15	3	36	9	97	0.01	0.0	11.634	0.161	0	0	0	7
PL.9333	PL.9338	B	#2 ACSR	7.25Y	120.8	0.01	4.22	5.15	3	36	9	97	0.00	0.0	11.716	0.082	12	3	2	7
PL.8566	PL.9333	B	6 A (CWC)	7.25Y	120.8	0.01	4.23	3.44	2	24	6	97	0.00	0.0	11.757	0.041	0	0	0	5
PL.8529	PL.8566	B	#4 ACSR	7.25Y	120.8	0.00	4.23	1.36	1	10	2	98	0.00	0.0	11.842	0.085	10	2	1	1
PL.8855	PL.8566	B	6 A (CWC)	7.25Y	120.8	0.01	4.23	2.09	1	15	4	97	0.00	0.0	11.870	0.113	12	3	2	4
PL.8567	PL.8855	B	#2 ACSR	7.25Y	120.8	0.00	4.23	0.41	0	3	1	95	0.00	0.0	12.124	0.254	3	1	1	2
PL.9350	PL.8567	B	#2 ACSR	7.25Y	120.8	0.00	4.23	0.00	0	0	0	100	0.00	0.0	12.202	0.078	0	0	1	1
PL.10049	PL.8856	B	#2 ACSR	7.25Y	120.8	0.00	4.17	0.26	0	2	0	100	0.00	0.0	11.395	0.004	0	0	0	1
PD.1655	PL.10049	B	12T	7.25Y	120.8	0.00	4.17	0.26	0	2	0	100	0.00	0.0	11.395	0.004	0	0	0	1
PL.10050	PD.1655	B	#2 ACSR	7.25Y	120.8	0.00	4.17	0.26	0	2	0	100	0.00	0.0	11.628	0.233	2	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: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.8854	PL.9335	B	6 A (CWC)	7.26Y	121.0	0.03	4.05	10.14	7	71	18	97	0.01	0.0	11.021	0.057	0	0	0	20
PL.8531	PL.8854	B	#4 ACSR	7.26Y	120.9	0.01	4.06	1.31	1	9	2	98	0.00	0.0	11.188	0.167	0	0	0	2
PL.9233	PL.8531	B	#4 ACSR	7.26Y	120.9	0.00	4.06	0.54	0	4	1	97	0.00	0.0	11.230	0.042	4	1	1	1
PL.8532	PL.8531	B	#4 ACSR	7.26Y	120.9	0.00	4.06	0.76	1	5	1	98	0.00	0.0	11.224	0.036	5	1	1	1
PL.9336	PL.8854	B	6 A (CWC)	7.26Y	120.9	0.03	4.08	7.29	5	51	13	97	0.01	0.0	11.109	0.088	4	1	2	17
PL.9337	PL.9336	B	6 A (CWC)	7.25Y	120.9	0.01	4.09	6.75	5	47	12	97	0.00	0.0	11.145	0.036	5	1	2	15
PL.8857	PL.9337	B	6 A (CWC)	7.25Y	120.9	0.01	4.10	5.18	4	36	9	97	0.00	0.0	11.190	0.045	0	0	0	10
PL.8533	PL.8857	B	#4 ACSR	7.25Y	120.9	0.00	4.10	0.74	1	5	1	98	0.00	0.0	11.203	0.013	0	0	0	1
PL.8568	PL.8533	B	#4 ACSR	7.25Y	120.9	0.00	4.10	0.74	1	5	1	98	0.00	0.0	11.259	0.056	5	1	1	1
PL.9234	PL.8857	B	6 A (CWC)	7.25Y	120.9	0.02	4.12	4.43	3	31	8	97	0.00	0.0	11.292	0.102	0	0	0	9
PL.8858	PL.9234	B	6 A (CWC)	7.25Y	120.9	0.01	4.13	2.78	2	20	5	97	0.00	0.0	11.390	0.098	0	0	0	6
PL.8536	PL.8858	B	#1/0 ACSR	7.25Y	120.9	0.00	4.13	0.00	0	0	0	100	0.00	0.0	11.533	0.144	0	0	0	1
PL.9105	PL.8536	B	#1/0 ACSR	7.25Y	120.9	0.00	4.13	0.00	0	0	0	100	0.00	0.0	11.658	0.125	0	0	1	1
PL.8537	PL.8858	B	#1/0 ACSR	7.25Y	120.9	0.00	4.13	1.70	1	12	3	97	0.00	0.0	11.460	0.070	12	3	1	1
PL.9341	PL.8858	B	6 A (CWC)	7.25Y	120.9	0.00	4.13	1.08	1	8	2	97	0.00	0.0	11.468	0.078	0	0	0	4
PL.9342	PL.9341	B	6 A (CWC)	7.25Y	120.9	0.00	4.14	1.08	1	8	2	97	0.00	0.0	11.583	0.115	8	2	4	4
PL.8535	PL.9234	B	#1/0 ACSR	7.25Y	120.9	0.00	4.12	0.00	0	0	0	100	0.00	0.0	11.319	0.027	0	0	1	1
PL.8534	PL.9234	B	#1/0 ACSR	7.25Y	120.9	0.00	4.12	1.65	1	12	3	97	0.00	0.0	11.387	0.095	12	3	2	2
PL.8538	PL.9337	B	#2 ACSR	7.25Y	120.9	0.00	4.09	0.00	0	0	0	100	0.00	0.0	11.206	0.061	0	0	1	1
PL.65802	PL.8538	B	#1/0 ACSR	7.25Y	120.9	0.00	4.09	0.00	0	0	0	100	0.00	0.0	11.259	0.053	0	0	0	0
PL.9339	PL.9337	B	#4 ACSR	7.25Y	120.9	0.00	4.09	0.81	1	6	1	99	0.00	0.0	11.160	0.015	1	0	1	2
PL.9340	PL.9339	B	#4 ACSR	7.25Y	120.9	0.00	4.09	0.66	1	5	1	98	0.00	0.0	11.200	0.040	5	1	1	1
PL.8530	PL.8854	B	#4 ACSR	7.26Y	120.9	0.00	4.05	1.54	1	11	3	96	0.00	0.0	11.087	0.066	11	3	1	1
PL.10047	PL.9815	B	#4 ACSR	7.32Y	122.0	0.00	2.96	1.91	1	14	3	98	0.00	0.0	9.986	0.005	0	0	0	6
PD.1654	PL.10047	B	12T	7.32Y	122.0	0.00	2.96	1.91	0	14	3	98	0.00	0.0	9.986	0.005	0	0	0	6
PL.10048	PD.1654	B	#4 ACSR	7.32Y	122.0	0.05	3.01	1.91	1	14	3	98	0.01	0.0	10.596	0.611	0	0	0	6
PL.8523	PL.10048	B	#4 ACSR	7.32Y	122.0	0.00	3.01	0.86	1	6	2	95	0.00	0.0	10.669	0.072	0	0	0	2
PL.8562	PL.8523	B	#1/0 ACSR	7.32Y	122.0	0.00	3.01	0.86	0	6	2	95	0.00	0.0	11.007	0.339	6	2	2	2
PL.8522	PL.10048	B	#4 ACSR	7.32Y	122.0	0.00	3.01	0.92	1	7	2	96	0.00	0.0	10.627	0.030	3	1	1	3
PL.8563	PL.8522	B	#1/0 ACSR	7.32Y	122.0	0.00	3.01	0.45	0	3	1	95	0.00	0.0	11.256	0.629	2	0	1	2
PL.10148	PL.8563	B	#1/0 ACSR	7.32Y	122.0	0.00	3.01	0.21	0	2	0	100	0.00	0.0	11.630	0.374	2	0	1	1

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.8521	PL.10048	B	#4 ACSR	7.32Y	122.0	0.00	3.01	0.13	0	1	0	100	0.00	0.0	10.676	0.079	1	0	1	1
PL.8518	PL.9327	B	#4 ACSR	7.36Y	122.7	0.01	2.35	3.02	2	22	6	96	0.00	0.0	9.633	0.093	0	0	0	3
PL.8847	PL.8518	B	#4 ACSR	7.36Y	122.6	0.00	2.35	1.39	1	10	3	96	0.00	0.0	9.684	0.051	0	0	0	2
PL.8520	PL.8847	B	#4 ACSR	7.36Y	122.6	0.00	2.35	0.00	0	0	0	100	0.00	0.0	9.742	0.058	0	0	1	1
PL.8848	PL.8847	B	#4 ACSR	7.36Y	122.6	0.00	2.35	1.39	1	10	3	96	0.00	0.0	9.735	0.051	10	3	1	1
PL.8519	PL.8518	B	#4 ACSR	7.36Y	122.6	0.00	2.35	1.63	1	12	3	97	0.00	0.0	9.678	0.045	12	3	1	1
PL.9345	PL.9431	B	#2 ACSR	7.37Y	122.8	0.00	2.15	2.88	2	21	5	97	0.00	0.0	9.436	0.009	19	5	2	3
PL.9346	PL.9345	B	#2 ACSR	7.37Y	122.8	0.00	2.15	0.21	0	1	0	100	0.00	0.0	9.512	0.076	1	0	1	1
PL.9418	PL.9813	ABC	#1/0 ACSR	7.51Y	125.1	0.07	-0.09	30.27	13	658	180	96	0.33	0.1	8.276	0.137	0	0	1	121
PL.9889	PL.9418	ABC	#1/0 ACSR	7.50Y	125.1	0.03	-0.06	30.26	13	657	180	96	0.15	0.0	8.338	0.062	0	0	0	120
PL.9890	PL.9889	ABC	#1/0 ACSR	7.50Y	125.0	0.03	-0.03	30.26	13	657	180	96	0.15	0.0	8.399	0.062	0	0	0	120
PL.9040	PL.9890	C	6 A (CWC)	7.50Y	125.0	0.00	-0.02	14.60	10	106	27	97	0.00	0.0	8.403	0.004	0	0	0	23
PD.1729	PL.9040	C	40T	7.50Y	125.0	0.00	-0.02	14.60	0	106	27	97	0.00	0.0	8.403	0.004	0	0	0	23
PL.9041	PD.1729	C	6 A (CWC)	7.50Y	125.0	0.06	0.04	14.60	10	106	27	97	0.05	0.0	8.498	0.095	7	2	1	23
PL.9414	PL.9041	C	6 A (CWC)	7.49Y	124.9	0.06	0.10	13.67	10	99	26	97	0.04	0.0	8.598	0.100	11	3	1	21
PL.9415	PL.9414	C	6 A (CWC)	7.49Y	124.9	0.03	0.13	12.16	9	88	23	97	0.02	0.0	8.657	0.059	0	0	1	20
PL.9416	PL.9415	C	6 A (CWC)	7.48Y	124.7	0.16	0.28	12.12	9	88	23	97	0.10	0.1	8.971	0.314	16	4	2	19
PL.9402	PL.9416	C	6 A (CWC)	7.48Y	124.6	0.11	0.39	9.85	7	71	18	97	0.06	0.1	9.213	0.242	0	0	0	17
PL.9235	PL.9402	C	6 A (CWC)	7.47Y	124.5	0.06	0.45	8.08	6	58	15	97	0.02	0.0	9.390	0.177	10	3	2	15
PL.8540	PL.9235	C	6 A (CWC)	7.47Y	124.5	0.03	0.48	6.70	5	49	12	97	0.01	0.0	9.484	0.095	0	0	0	13
PL.8506	PL.8540	C	6 A (CWC)	7.47Y	124.5	0.01	0.49	0.64	0	5	1	98	0.00	0.0	9.750	0.266	0	0	1	2
PL.9394	PL.8506	C	6 A (CWC)	7.47Y	124.5	0.00	0.49	0.57	0	4	1	97	0.00	0.0	9.943	0.193	4	1	1	1
PL.9397	PL.8540	C	#2 ACSR	7.47Y	124.5	0.00	0.48	0.76	0	6	1	99	0.00	0.0	9.540	0.056	3	1	1	2
PL.9398	PL.9397	C	#2 ACSR	7.47Y	124.5	0.00	0.48	0.39	0	3	1	95	0.00	0.0	9.559	0.019	3	1	1	1
PL.8859	PL.8540	C	6 A (CWC)	7.47Y	124.5	0.01	0.49	5.30	4	38	10	97	0.00	0.0	9.552	0.068	19	5	4	9
PL.9395	PL.8859	C	#2 ACSR	7.47Y	124.5	0.00	0.50	1.82	1	13	3	97	0.00	0.0	9.598	0.047	3	1	1	4
PL.9396	PL.9395	C	#2 ACSR	7.47Y	124.5	0.00	0.50	1.40	1	10	3	96	0.00	0.0	9.636	0.037	2	0	1	3
PL.9474	PL.9396	C	#2 ACSR	7.47Y	124.5	0.00	0.50	1.16	1	8	2	97	0.00	0.0	9.695	0.060	5	1	1	2
PL.9475	PL.9474	C	#2 ACSR	7.47Y	124.5	0.00	0.50	0.50	0	4	1	97	0.00	0.0	9.753	0.058	4	1	1	1
PL.8507	PL.8859	C	#2 ACSR	7.47Y	124.5	0.00	0.49	0.83	0	6	2	95	0.00	0.0	9.640	0.088	6	2	1	1
PL.8505	PL.9402	C	#4 ACSR	7.48Y	124.6	0.00	0.40	1.77	1	13	3	97	0.00	0.0	9.278	0.065	13	3	2	2

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.8499	PL.9041	C	#2 ACSR	7.50Y	125.0	0.00	0.04	0.03	0	0	0	100	0.00	0.0	8.555	0.057	0	0	1	1
PL.10121	PL.9890	ABC	#1/0 ACSR	7.50Y	125.0	0.02	-0.00	25.39	11	551	152	96	0.09	0.0	8.452	0.053	0	0	0	97
PD.1861	PL.10121	ABC	50H	7.50Y	125.0	0.00	-0.00	25.39	51	551	152	96	0.00	0.0	8.452	0.053	0	0	0	97
PL.10122	PD.1861	ABC	#1/0 ACSR	7.50Y	125.0	0.02	0.02	25.39	11	551	152	96	0.07	0.0	8.495	0.042	5	1	3	97
PL.9419	PL.10122	ABC	#1/0 ACSR	7.50Y	124.9	0.04	0.05	21.62	9	468	131	96	0.11	0.0	8.588	0.093	11	3	3	79
PL.9420	PL.9419	ABC	#1/0 ACSR	7.49Y	124.9	0.03	0.09	21.13	9	458	128	96	0.10	0.0	8.673	0.086	0	0	0	76
PL.8863	PL.9420	ABC	#1/0 ACSR	7.49Y	124.9	0.03	0.12	21.12	9	457	128	96	0.10	0.0	8.758	0.085	0	0	1	75
PL.9044	PL.8863	C	6 A (CWC)	7.49Y	124.9	0.00	0.12	4.73	3	34	9	97	0.00	0.0	8.762	0.004	0	0	0	10
PD.1731	PL.9044	C	25T	7.49Y	124.9	0.00	0.12	4.73	0	34	9	97	0.00	0.0	8.762	0.004	0	0	0	10
PL.9045	PD.1731	C	6 A (CWC)	7.49Y	124.9	0.02	0.14	4.73	3	34	9	97	0.00	0.0	8.851	0.089	5	1	4	10
PL.9417	PL.9045	C	6 A (CWC)	7.49Y	124.8	0.05	0.19	4.06	3	29	8	96	0.01	0.0	9.126	0.275	0	0	0	6
PL.8861	PL.9417	C	6 A (CWC)	7.49Y	124.8	0.04	0.22	4.06	3	29	8	96	0.01	0.0	9.319	0.194	0	0	0	5
PL.9411	PL.8861	C	6 A (CWC)	7.49Y	124.8	0.01	0.23	2.71	2	20	5	97	0.00	0.0	9.385	0.066	3	1	1	3
PL.9412	PL.9411	C	6 A (CWC)	7.49Y	124.8	0.00	0.23	2.29	2	17	4	97	0.00	0.0	9.396	0.011	8	2	1	2
PL.9413	PL.9412	C	6 A (CWC)	7.49Y	124.8	0.00	0.23	1.18	1	9	2	98	0.00	0.0	9.532	0.137	9	2	1	1
PL.8862	PL.8861	C	6 A (CWC)	7.49Y	124.8	0.01	0.23	1.35	1	10	3	96	0.00	0.0	9.414	0.095	0	0	0	2
PL.9408	PL.8862	C	6 A (CWC)	7.49Y	124.8	0.00	0.23	0.05	0	0	0	100	0.00	0.0	9.509	0.095	0	0	1	1
PL.9409	PL.9408	C	6 A (CWC)	7.49Y	124.8	0.00	0.23	0.00	0	0	0	100	0.00	0.0	9.599	0.090	0	0	0	0
PL.9410	PL.9409	C	6 A (CWC)	7.49Y	124.8	0.00	0.23	0.00	0	0	0	100	0.00	0.0	9.891	0.292	0	0	0	0
PL.9407	PL.9410	C	6 A (CWC)	7.49Y	124.8	0.00	0.23	0.00	0	0	0	100	0.00	0.0	10.073	0.182	0	0	0	0
PL.8509	PL.8862	C	6 A (CWC)	7.49Y	124.8	0.00	0.23	1.30	1	9	2	98	0.00	0.0	9.480	0.066	9	2	1	1
PL.8508	PL.9417	C	#4 ACSR	7.49Y	124.8	0.00	0.19	0.00	0	0	0	100	0.00	0.0	9.357	0.232	0	0	1	1
PL.9421	PL.8863	ABC	#1/0 ACSR	7.49Y	124.8	0.05	0.17	19.54	8	423	119	96	0.15	0.0	8.909	0.151	0	0	0	64
PL.9422	PL.9421	ABC	#1/0 ACSR	7.49Y	124.8	0.04	0.22	19.54	8	423	119	96	0.13	0.0	9.035	0.126	0	0	0	64
PL.8502	PL.9422	C	6 A (CWC)	7.49Y	124.8	0.00	0.22	1.75	1	13	3	97	0.00	0.0	9.100	0.064	11	3	1	2
PL.8503	PL.8502	C	#2 ACSR	7.49Y	124.8	0.00	0.22	0.25	0	2	0	100	0.00	0.0	9.206	0.106	0	0	0	1
PL.9042	PL.8503	C	1/0 AL URD	7.49Y	124.8	0.00	0.22	0.25	0	2	0	100	0.00	0.0	9.210	0.005	0	0	0	1
PD.1730	PL.9042	C	20T	7.49Y	124.8	0.00	0.22	0.25	0	2	0	100	0.00	0.0	9.210	0.005	0	0	0	1
PL.9043	PD.1730	C	1/0 AL URD	7.49Y	124.8	0.00	0.22	0.25	0	2	0	100	0.00	0.0	9.313	0.102	2	0	1	1
PL.9423	PL.9422	ABC	#1/0 ACSR	7.49Y	124.8	0.02	0.24	18.96	8	410	116	96	0.06	0.0	9.099	0.064	6	2	1	62
PL.9424	PL.9423	ABC	#1/0 ACSR	7.48Y	124.6	0.11	0.35	18.67	8	403	114	96	0.31	0.1	9.434	0.334	0	0	0	61

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.8864	PL.9424	ABC	#1/0 ACSR	7.48Y	124.6	0.06	0.41	17.38	8	375	107	96	0.15	0.0	9.623	0.189	0	0	0	58
PL.10053	PL.8864	C	#4 ACSR	7.48Y	124.6	0.00	0.41	0.90	1	6	2	95	0.00	0.0	9.627	0.004	0	0	0	2
PD.1657	PL.10053	C	20T	7.48Y	124.6	0.00	0.41	0.90	0	6	2	95	0.00	0.0	9.627	0.004	0	0	0	2
PL.10054	PD.1657	C	#4 ACSR	7.48Y	124.6	0.00	0.41	0.90	1	6	2	95	0.00	0.0	9.674	0.047	6	2	2	2
PL.8670	PL.8864	ABC	#1/0 ACSR	7.47Y	124.6	0.02	0.43	17.09	7	369	105	96	0.05	0.0	9.685	0.063	0	0	0	56
PL.8865	PL.8670	ABC	#1/0 ACSR	7.47Y	124.5	0.04	0.47	16.18	7	349	100	96	0.10	0.0	9.832	0.147	0	0	0	54
PL.8866	PL.8865	ABC	#1/0 ACSR	7.47Y	124.5	0.02	0.50	16.18	7	349	100	96	0.06	0.0	9.912	0.080	0	0	1	54
PL.8867	PL.8866	ABC	#1/0 ACSR	7.47Y	124.5	0.01	0.50	14.69	6	316	91	96	0.01	0.0	9.936	0.024	7	2	1	48
PL.8672	PL.8867	ABC	#1/0 ACSR	7.47Y	124.5	0.01	0.51	14.36	6	309	89	96	0.03	0.0	9.982	0.047	8	2	2	47
PL.27925	PL.8672	ABC	#1/0 ACSR	7.47Y	124.5	0.02	0.54	14.00	6	301	87	96	0.05	0.0	10.071	0.089	0	0	0	45
PL.27926	PL.27925	ABC	#1/0 ACSR	7.47Y	124.4	0.02	0.55	14.00	6	301	87	96	0.04	0.0	10.145	0.074	8	2	1	45
PL.9386	PL.27926	ABC	#1/0 ACSR	7.47Y	124.4	0.03	0.58	13.65	6	294	85	96	0.05	0.0	10.251	0.106	0	0	0	44
PL.9381	PL.9386	ABC	#1/0 ACSR	7.46Y	124.4	0.05	0.63	13.65	6	294	85	96	0.10	0.0	10.453	0.203	0	0	0	44
PL.8870	PL.9381	ABC	#1/0 ACSR	7.46Y	124.3	0.04	0.67	13.16	6	283	82	96	0.07	0.0	10.615	0.162	3	1	2	43
PL.10071	PL.8870	A	#4 ACSR	7.46Y	124.3	0.00	0.67	1.41	1	10	3	96	0.00	0.0	10.620	0.005	0	0	0	2
PD.1666	PL.10071	A	20T	7.46Y	124.3	0.00	0.67	1.41	0	10	3	96	0.00	0.0	10.620	0.005	0	0	0	2
PL.10072	PD.1666	A	#4 ACSR	7.46Y	124.3	0.01	0.68	1.41	1	10	3	96	0.00	0.0	10.826	0.205	8	2	1	2
PL.9383	PL.10072	A	#4 ACSR	7.46Y	124.3	0.00	0.68	0.37	0	3	1	95	0.00	0.0	11.007	0.182	0	0	0	1
PL.9237	PL.9383	A	#4 ACSR	7.46Y	124.3	0.00	0.68	0.00	0	0	0	100	0.00	0.0	11.316	0.309	0	0	0	0
PL.8676	PL.9383	A	#4 ACSR	7.46Y	124.3	0.00	0.68	0.37	0	3	1	95	0.00	0.0	11.061	0.053	3	1	1	1
PL.8874	PL.8870	ABC	#1/0 ACSR	7.46Y	124.3	0.06	0.73	10.81	5	232	69	96	0.09	0.0	10.910	0.295	0	0	0	35
PL.8875	PL.8874	ABC	#1/0 ACSR	7.45Y	124.2	0.03	0.76	10.07	4	216	65	96	0.05	0.0	11.109	0.199	33	8	4	32
PL.9818	PL.8875	ABC	#1/0 ACSR	7.45Y	124.2	0.01	0.77	8.55	4	183	57	95	0.01	0.0	11.161	0.052	9	2	1	28
PL.8679	PL.9818	ABC	#1/0 ACSR	7.45Y	124.2	0.00	0.77	8.13	4	174	54	96	0.00	0.0	11.175	0.014	0	0	0	27
PL.8681	PL.8679	A	#4 ACSR	7.45Y	124.2	0.00	0.78	2.52	2	18	5	96	0.00	0.0	11.236	0.061	18	5	2	2
PL.9036	PL.8679	A	6 A (CWC)	7.45Y	124.2	0.00	0.77	4.98	4	36	9	97	0.00	0.0	11.180	0.005	0	0	0	8
PD.1726	PL.9036	A	20T	7.45Y	124.2	0.00	0.77	4.98	0	36	9	97	0.00	0.0	11.180	0.005	0	0	0	8
PL.9037	PD.1726	A	6 A (CWC)	7.45Y	124.2	0.02	0.79	4.98	4	36	9	97	0.00	0.0	11.268	0.088	8	2	1	8
PL.8680	PL.9037	A	#4 ACSR	7.45Y	124.2	0.00	0.79	1.49	1	11	3	96	0.00	0.0	11.299	0.031	11	3	5	5
PL.8688	PL.9037	A	6 A (CWC)	7.45Y	124.2	0.01	0.80	2.41	2	17	4	97	0.00	0.0	11.419	0.151	12	3	1	2
PL.8771	PL.8688	A	6 A (CWC)	7.45Y	124.2	0.00	0.80	0.81	1	6	2	95	0.00	0.0	11.455	0.036	6	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: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.8877	PL.8679	ABC	#1/0 ACSR	7.45Y	124.2	0.01	0.78	5.64	2	119	40	95	0.01	0.0	11.280	0.105	11	3	2	17
PL.9872	PL.8877	A	6 A (CWC)	7.45Y	124.2	0.00	0.78	8.61	6	62	16	97	0.00	0.0	11.284	0.004	0	0	0	13
PD.1725	PL.9872	A	20T	7.45Y	124.2	0.00	0.78	8.61	0	62	16	97	0.00	0.0	11.284	0.004	0	0	0	13
PL.9035	PD.1725	A	6 A (CWC)	7.45Y	124.2	0.06	0.85	8.61	6	62	16	97	0.03	0.0	11.448	0.164	0	0	0	13
PL.9384	PL.9035	A	6 A (CWC)	7.44Y	124.1	0.07	0.92	8.61	6	62	16	97	0.03	0.1	11.639	0.191	2	1	1	13
PL.9380	PL.9384	A	6 A (CWC)	7.44Y	124.1	0.03	0.95	8.29	6	60	15	97	0.01	0.0	11.706	0.067	0	0	0	12
PL.8682	PL.9380	A	6 A (CWC)	7.44Y	124.0	0.01	0.95	1.22	1	9	2	98	0.00	0.0	11.855	0.149	3	1	1	2
PL.8683	PL.8682	A	#4 ACSR	7.44Y	124.0	0.00	0.96	0.79	1	6	1	99	0.00	0.0	12.053	0.198	6	1	1	1
PL.8878	PL.9380	A	6 A (CWC)	7.44Y	124.0	0.01	0.95	1.11	1	8	2	97	0.00	0.0	11.824	0.118	0	0	0	2
PL.9238	PL.8878	A	6 A (CWC)	7.44Y	124.0	0.00	0.95	0.05	0	0	0	100	0.00	0.0	11.854	0.030	0	0	1	1
PL.8684	PL.8878	A	#4 ACSR	7.44Y	124.0	0.00	0.95	1.06	1	8	2	97	0.00	0.0	11.853	0.029	8	2	1	1
PL.8786	PL.9380	A	6 A (CWC)	7.44Y	124.0	0.08	1.02	5.96	4	43	11	97	0.02	0.1	11.991	0.285	0	0	0	8
PL.8792	PL.8786	A	6 A (CWC)	7.44Y	124.0	0.02	1.04	5.19	4	37	10	97	0.00	0.0	12.081	0.090	10	2	1	7
PL.8793	PL.8792	A	6 A (CWC)	7.44Y	123.9	0.01	1.05	3.87	3	28	7	97	0.00	0.0	12.149	0.068	0	0	0	6
PL.8794	PL.8793	A	6 A (CWC)	7.44Y	123.9	0.03	1.08	3.87	3	28	7	97	0.01	0.0	12.293	0.144	0	0	0	6
PL.8797	PL.8794	A	6 A (CWC)	7.44Y	123.9	0.00	1.08	0.00	0	0	0	100	0.00	0.0	12.414	0.121	0	0	1	1
PL.8796	PL.8794	A	6 A (CWC)	7.43Y	123.9	0.01	1.10	3.87	3	28	7	97	0.00	0.0	12.378	0.085	0	0	0	5
PL.8799	PL.8796	A	6 A (CWC)	7.43Y	123.9	0.01	1.10	3.34	2	24	6	97	0.00	0.0	12.437	0.059	0	0	0	4
PL.8800	PL.8799	A	#4 ACSR	7.43Y	123.9	0.00	1.11	3.34	3	24	6	97	0.00	0.0	12.471	0.034	8	2	2	4
PL.8801	PL.8800	A	#4 ACSR	7.43Y	123.9	0.00	1.11	2.18	2	16	4	97	0.00	0.0	12.502	0.031	8	2	1	2
PL.8802	PL.8801	A	#1/0 ACSR	7.43Y	123.9	0.00	1.11	1.02	0	7	2	96	0.00	0.0	12.561	0.059	0	0	0	1
PL.8803	PL.8802	A	#4 ACSR	7.43Y	123.9	0.00	1.11	1.02	1	7	2	96	0.00	0.0	12.598	0.038	7	2	1	1
PL.8798	PL.8796	A	#1/0 ACSR	7.43Y	123.9	0.00	1.10	0.53	0	4	1	97	0.00	0.0	12.423	0.045	4	1	1	1
PL.8791	PL.8786	A	#1/0 ACSR	7.44Y	124.0	0.00	1.03	0.77	0	6	1	99	0.00	0.0	12.139	0.149	6	1	1	1
PL.9325	PL.8877	ABC	#1/0 ACSR	7.45Y	124.2	0.00	0.79	2.26	1	46	22	90	0.00	0.0	11.382	0.103	0	0	0	2
PL.9326	PL.9325	ABC	#1/0 ACSR	7.45Y	124.2	0.00	0.79	2.14	1	43	21	90	0.00	0.0	11.435	0.053	0	0	0	1
PL.8685	PL.9326	ABC	#1/0 ACSR	7.45Y	124.2	0.00	0.79	2.14	1	43	21	90	0.00	0.0	11.480	0.046	43	21	1	1
PL.9870	PL.9325	A	#2 ACSR	7.45Y	124.2	0.00	0.79	0.37	0	3	1	95	0.00	0.0	11.387	0.005	0	0	0	1
PD.1724	PL.9870	A	10T	7.45Y	124.2	0.00	0.79	0.37	0	3	1	95	0.00	0.0	11.387	0.005	0	0	0	1
PL.9871	PD.1724	A	#2 ACSR	7.45Y	124.2	0.00	0.79	0.37	0	3	1	95	0.00	0.0	11.423	0.037	3	1	1	1
PL.10059	PL.8874	C	6 A (CWC)	7.46Y	124.3	0.00	0.73	2.23	2	16	4	97	0.00	0.0	10.915	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: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% 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.1660	PL.10059	C	20T	7.46Y	124.3	0.00	0.73	2.23	0	16	4	97	0.00	0.0	10.915	0.005	0	0	0	3
PL.10060	PD.1660	C	6 A (CWC)	7.46Y	124.3	0.02	0.75	2.23	2	16	4	97	0.00	0.0	11.119	0.205	0	0	0	3
PL.8677	PL.10060	C	#4 ACSR	7.46Y	124.3	0.00	0.75	0.00	0	0	0	100	0.00	0.0	11.149	0.030	0	0	0	0
PL.8876	PL.10060	C	6 A (CWC)	7.45Y	124.2	0.01	0.75	2.23	2	16	4	97	0.00	0.0	11.196	0.077	9	2	2	3
PL.8678	PL.8876	C	#4 ACSR	7.45Y	124.2	0.00	0.76	1.00	1	7	2	96	0.00	0.0	11.227	0.031	7	2	1	1
PL.8673	PL.8870	B	6 A (CWC)	7.46Y	124.3	0.02	0.69	5.17	4	37	10	97	0.01	0.0	10.708	0.092	0	0	0	4
PL.8871	PL.8673	B	6 A (CWC)	7.46Y	124.3	0.00	0.69	5.17	4	37	10	97	0.00	0.0	10.712	0.004	0	0	0	4
PD.1722	PL.8871	B	20T	7.46Y	124.3	0.00	0.69	5.17	0	37	10	97	0.00	0.0	10.712	0.004	0	0	0	4
PL.9122	PD.1722	B	6 A (CWC)	7.46Y	124.3	0.01	0.70	3.63	3	26	7	97	0.00	0.0	10.781	0.070	8	2	1	3
PL.8872	PL.9122	B	6 A (CWC)	7.46Y	124.3	0.00	0.71	1.53	1	11	3	96	0.00	0.0	10.842	0.061	0	0	0	1
PL.8873	PL.8872	B	6 A (CWC)	7.46Y	124.3	0.00	0.71	1.53	1	11	3	96	0.00	0.0	10.913	0.071	11	3	1	1
PL.8675	PL.9122	B	6 A (CWC)	7.46Y	124.3	0.00	0.70	1.05	1	8	2	97	0.00	0.0	10.816	0.035	8	2	1	1
PL.9317	PD.1722	B	#4 ACSR	7.46Y	124.3	0.00	0.69	1.54	1	11	3	96	0.00	0.0	10.714	0.003	0	0	0	1
PL.8674	PL.9317	B	#4 ACSR	7.46Y	124.3	0.00	0.69	1.54	1	11	3	96	0.00	0.0	10.731	0.017	11	3	1	1
PL.9868	PL.9381	A	#1/0 ACSR	7.46Y	124.4	0.00	0.63	1.46	1	11	3	96	0.00	0.0	10.458	0.005	0	0	0	1
PD.1723	PL.9868	A	20T	7.46Y	124.4	0.00	0.63	1.46	0	11	3	96	0.00	0.0	10.458	0.005	0	0	0	1
PL.9869	PD.1723	A	#1/0 ACSR	7.46Y	124.4	0.00	0.63	1.46	1	11	3	96	0.00	0.0	10.520	0.062	11	3	1	1
PL.27927	PL.27925	C	#1/0 ACSR	7.47Y	124.5	0.00	0.54	0.00	0	0	0	100	0.00	0.0	10.074	0.002	0	0	0	0
PD.3863	PL.27927	C	10T	7.47Y	124.5	0.00	0.54	0.00	0	0	0	100	0.00	0.0	10.074	0.002	0	0	0	0
PL.27928	PD.3863	C	#1/0 ACSR	7.47Y	124.5	0.00	0.54	0.00	0	0	0	100	0.00	0.0	10.105	0.031	0	0	0	0
PL.27929	PL.27928	C	#1/0 ACSR	7.47Y	124.5	0.00	0.54	0.00	0	0	0	100	0.00	0.0	10.136	0.032	0	0	0	0
PL.9866	PL.8866	A	6 A (CWC)	7.47Y	124.5	0.00	0.50	0.57	0	4	1	97	0.00	0.0	9.916	0.005	0	0	0	1
PD.1721	PL.9866	A	20T	7.47Y	124.5	0.00	0.50	0.57	0	4	1	97	0.00	0.0	9.916	0.005	0	0	0	1
PL.9867	PD.1721	A	6 A (CWC)	7.47Y	124.5	0.00	0.50	0.57	0	4	1	97	0.00	0.0	10.048	0.131	4	1	1	1
PL.10057	PL.8866	C	#1/0 ACSR	7.47Y	124.5	0.00	0.50	3.89	2	28	7	97	0.00	0.0	9.916	0.005	0	0	0	4
PD.1659	PL.10057	C	20T	7.47Y	124.5	0.00	0.50	3.89	0	28	7	97	0.00	0.0	9.916	0.005	0	0	0	4
PL.10058	PD.1659	C	#1/0 ACSR	7.47Y	124.5	0.01	0.51	3.89	2	28	7	97	0.00	0.0	10.045	0.129	0	0	0	4
PL.8671	PL.10058	C	#1/0 ACSR	7.47Y	124.5	0.00	0.51	1.17	1	8	2	97	0.00	0.0	10.143	0.097	8	2	1	1
PL.8868	PL.10058	C	#1/0 ACSR	7.47Y	124.5	0.00	0.51	2.72	1	20	5	97	0.00	0.0	10.118	0.073	0	0	0	3
PL.8686	PL.8868	C	#1/0 ACSR	7.47Y	124.5	0.00	0.51	1.83	1	13	3	97	0.00	0.0	10.182	0.064	10	3	1	2
PL.10211	PL.8686	C	#1/0 ACSR	7.47Y	124.5	0.00	0.51	0.46	0	3	1	95	0.00	0.0	10.243	0.061	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: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.10212	PL.10211	C	#1/0 ACSR	7.47Y	124.5	0.00	0.51	0.46	0	3	1	95	0.00	0.0	10.276	0.033	3	1	1	1
PL.8869	PL.8868	C	#1/0 ACSR	7.47Y	124.5	0.00	0.51	0.89	0	6	2	95	0.00	0.0	10.267	0.148	6	2	1	1
PL.10055	PL.8670	C	#4 ACSR	7.47Y	124.6	0.00	0.43	2.72	2	20	5	97	0.00	0.0	9.690	0.005	0	0	0	2
PD.1658	PL.10055	C	20T	7.47Y	124.6	0.00	0.43	2.72	0	20	5	97	0.00	0.0	9.690	0.005	0	0	0	2
PL.10056	PD.1658	C	#4 ACSR	7.47Y	124.6	0.00	0.43	2.72	2	20	5	97	0.00	0.0	9.768	0.078	20	5	2	2
PL.10037	PL.9424	C	6 A (CWC)	7.48Y	124.6	0.00	0.35	3.86	3	28	7	97	0.00	0.0	9.438	0.005	0	0	0	3
PD.1649	PL.10037	C	20T	7.48Y	124.6	0.00	0.35	3.86	0	28	7	97	0.00	0.0	9.438	0.005	0	0	0	3
PL.10038	PD.1649	C	6 A (CWC)	7.48Y	124.6	0.00	0.36	3.86	3	28	7	97	0.00	0.0	9.492	0.053	28	7	3	3
PL.8500	PL.9420	B	#4 ACSR	7.49Y	124.9	0.00	0.09	0.05	0	0	0	100	0.00	0.0	8.677	0.004	0	0	0	1
PD.1728	PL.8500	B	20T	7.49Y	124.9	0.00	0.09	0.05	0	0	0	100	0.00	0.0	8.677	0.004	0	0	0	1
PL.9319	PD.1728	B	#4 ACSR	7.49Y	124.9	0.00	0.09	0.05	0	0	0	100	0.00	0.0	8.683	0.005	0	0	0	1
PL.8501	PL.9319	B	#4 ACSR	7.49Y	124.9	0.00	0.09	0.05	0	0	0	100	0.00	0.0	8.748	0.065	0	0	1	1
PL.9114	PD.1728	B	#4 ACSR	7.49Y	124.9	0.00	0.09	0.00	0	0	0	100	0.00	0.0	8.721	0.043	0	0	0	0
PL.10035	PL.10122	A	6 A (CWC)	7.50Y	125.0	0.00	0.02	10.65	8	77	20	97	0.00	0.0	8.499	0.005	0	0	0	15
PD.1648	PL.10035	A	20T	7.50Y	125.0	0.00	0.02	10.65	0	77	20	97	0.00	0.0	8.499	0.005	0	0	0	15
PL.10036	PD.1648	A	6 A (CWC)	7.49Y	124.8	0.16	0.18	10.65	8	77	20	97	0.09	0.1	8.850	0.351	8	2	1	15
PL.9426	PL.10036	A	6 A (CWC)	7.49Y	124.8	0.02	0.20	9.61	7	70	18	97	0.01	0.0	8.895	0.045	19	5	2	14
PL.8510	PL.9426	A	#4 ACSR	7.49Y	124.8	0.00	0.20	2.49	2	18	5	96	0.00	0.0	8.970	0.075	18	5	2	2
PL.8860	PL.9426	A	6 A (CWC)	7.49Y	124.8	0.04	0.24	4.52	3	33	8	97	0.01	0.0	9.113	0.218	5	1	1	10
PL.8541	PL.8860	A	#4 ACSR	7.49Y	124.8	0.01	0.24	2.01	2	15	4	97	0.00	0.0	9.179	0.066	0	0	0	6
PL.9236	PL.8541	A	#4 ACSR	7.48Y	124.7	0.01	0.25	0.73	1	5	1	98	0.00	0.0	9.347	0.168	0	0	0	3
PL.8515	PL.9236	A	#4 ACSR	7.48Y	124.7	0.00	0.25	0.65	0	5	1	98	0.00	0.0	9.384	0.037	1	0	1	2
PL.8542	PL.8515	A	#1/0 ACSR	7.48Y	124.7	0.00	0.25	0.57	0	4	1	97	0.00	0.0	9.486	0.103	4	1	1	1
PL.8516	PL.9236	A	#2 ACSR	7.48Y	124.7	0.00	0.25	0.08	0	1	0	100	0.00	0.0	9.585	0.237	0	0	0	1
PL.10149	PL.8516	A	#2 ACSR	7.48Y	124.7	0.00	0.25	0.08	0	1	0	100	0.00	0.0	9.589	0.005	0	0	0	1
PD.1650	PL.10149	A	12T	7.48Y	124.7	0.00	0.25	0.08	0	1	0	100	0.00	0.0	9.589	0.005	0	0	0	1
PL.10040	PD.1650	A	#2 ACSR	7.48Y	124.7	0.00	0.25	0.08	0	1	0	100	0.00	0.0	9.694	0.105	1	0	1	1
PL.8514	PL.8541	A	#1/0 ACSR	7.49Y	124.8	0.00	0.25	1.28	1	9	2	98	0.00	0.0	9.240	0.061	9	2	3	3
PL.8513	PL.8541	A	#4 ACSR	7.49Y	124.8	0.00	0.24	0.00	0	0	0	100	0.00	0.0	9.272	0.092	0	0	0	0
PL.8511	PL.8860	A	#1/0 ACSR	7.49Y	124.8	0.00	0.24	1.82	1	13	3	97	0.00	0.0	9.182	0.069	0	0	0	3
PL.8512	PL.8511	A	#1/0 ACSR	7.49Y	124.8	0.00	0.24	1.82	1	13	3	97	0.00	0.0	9.186	0.004	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: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% 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.1732	PL.8512	A	12T	7.49Y	124.8	0.00	0.24	1.82	0	13	3	97	0.00	0.0	9.186	0.004	0	0	0	3
PL.9323	PD.1732	A	#1/0 ACSR	7.49Y	124.8	0.00	0.24	1.25	1	9	2	98	0.00	0.0	9.199	0.013	0	0	0	2
PL.9427	PL.9323	A	#1/0 ACSR	7.49Y	124.8	0.00	0.24	1.25	1	9	2	98	0.00	0.0	9.222	0.023	7	2	1	2
PL.9428	PL.9427	A	#1/0 ACSR	7.49Y	124.8	0.00	0.24	0.32	0	2	1	89	0.00	0.0	9.318	0.096	2	1	1	1
PL.9113	PD.1732	A	#1/0 ACSR	7.49Y	124.8	0.00	0.24	0.57	0	4	1	97	0.00	0.0	9.219	0.033	4	1	1	1
CP.16	PL.9889	ABC	Cap (300)	7.50Y	125.1	0.00	-0.06	0.00	0	0	0	100	0.00	0.0	8.338	0.033	0	0	0	0
PL.10091	PL.8840	A	#1/0 ACSR	7.11Y	118.4	0.03	6.58	19.89	9	137	35	97	0.03	0.0	7.813	0.066	0	0	0	54
PD.1846	PL.10091	A	50H	7.11Y	118.4	0.00	6.58	19.89	40	137	35	97	0.00	0.0	7.813	0.066	0	0	0	54
PL.10092	PD.1846	A	#1/0 ACSR	7.10Y	118.4	0.06	6.64	19.89	9	137	35	97	0.06	0.0	7.950	0.137	0	0	1	54
PL.9399	PL.10092	A	#1/0 ACSR	7.10Y	118.3	0.03	6.68	19.89	9	137	35	97	0.03	0.0	8.027	0.077	2	1	1	53
PL.9400	PL.9399	A	#1/0 ACSR	7.10Y	118.3	0.03	6.71	19.57	9	135	35	97	0.03	0.0	8.100	0.073	7	2	1	52
PL.8841	PL.9400	A	#1/0 ACSR	7.10Y	118.3	0.03	6.74	17.80	8	122	32	97	0.03	0.0	8.182	0.083	0	0	0	49
REG52	PL.8841	A	76.2 KVA	7.52Y	125.3	-7.05	-0.31	17.80	18	122	32	97	percent Boost= 5.62			Tap= 9.0				49
PL.8842	REG52	A	#1/0 ACSR	7.51Y	125.2	0.09	-0.21	15.53	7	113	29	97	0.07	0.1	8.449	0.267	2	1	2	48
PL.8543	PL.8842	A	6 A (CWC)	7.51Y	125.2	0.01	-0.21	0.96	1	7	2	96	0.00	0.0	8.601	0.152	0	0	0	3
PL.8387	PL.8543	A	#1/0 ACSR	7.51Y	125.2	0.00	-0.20	0.68	0	5	1	98	0.00	0.0	8.772	0.171	5	1	1	2
PL.9832	PL.8387	A	#1/0 ACSR	7.51Y	125.2	0.00	-0.20	0.05	0	0	0	100	0.00	0.0	8.991	0.219	0	0	1	1
PL.8595	PL.8543	A	#2 ACSR	7.51Y	125.2	0.00	-0.21	0.28	0	2	1	89	0.00	0.0	8.663	0.062	2	1	1	1
PL.8544	PL.8842	A	6 A (CWC)	7.51Y	125.2	0.00	-0.21	0.89	1	6	2	95	0.00	0.0	8.523	0.075	6	2	1	1
PL.8545	PL.8544	A	#4 ACSR	7.51Y	125.2	0.00	-0.21	0.00	0	0	0	100	0.00	0.0	9.049	0.525	0	0	0	0
PL.8546	PL.8544	A	#4 ACSR	7.51Y	125.2	0.00	-0.21	0.00	0	0	0	100	0.00	0.0	8.657	0.133	0	0	0	0
PL.9378	PL.8546	A	#4 ACSR	7.51Y	125.2	0.00	-0.21	0.00	0	0	0	100	0.00	0.0	8.714	0.057	0	0	0	0
PL.8843	PL.8842	A	#1/0 ACSR	7.51Y	125.1	0.13	-0.09	13.39	6	97	25	97	0.08	0.1	8.860	0.412	0	0	0	42
PL.9362	PL.8843	A	#1/0 ACSR	7.50Y	125.0	0.05	-0.03	13.39	6	97	25	97	0.03	0.0	9.043	0.182	4	1	2	42
PL.9363	PL.9362	A	#1/0 ACSR	7.50Y	125.0	0.02	-0.01	12.83	6	93	24	97	0.01	0.0	9.105	0.062	0	0	0	40
PL.9360	PL.9363	A	#1/0 ACSR	7.50Y	125.0	0.03	0.02	11.40	5	83	21	97	0.02	0.0	9.233	0.128	1	0	2	36
PL.9361	PL.9360	A	#1/0 ACSR	7.49Y	124.9	0.06	0.08	11.20	5	81	21	97	0.03	0.0	9.486	0.253	0	0	0	34
PL.8583	PL.9361	A	#1/0 ACSR	7.49Y	124.9	0.00	0.08	0.35	0	3	1	95	0.00	0.0	9.549	0.064	3	1	1	1
PL.9364	PL.9361	A	#1/0 ACSR	7.49Y	124.9	0.00	0.09	1.42	1	10	3	96	0.00	0.0	9.526	0.040	4	1	1	4
PL.9365	PL.9364	A	#1/0 ACSR	7.49Y	124.9	0.00	0.09	0.89	0	6	2	95	0.00	0.0	9.638	0.112	0	0	0	3
PL.8388	PL.9365	A	#1/0 ACSR	7.49Y	124.9	0.00	0.09	0.69	0	5	1	98	0.00	0.0	9.690	0.052	5	1	2	2

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.8584	PL.9365	A	#4 ACSR	7.49Y	124.9	0.00	0.09	0.20	0	1	0	100	0.00	0.0	9.679	0.041	1	0	1	1
PL.8581	PL.9361	A	#1/0 ACSR	7.49Y	124.9	0.03	0.11	9.43	4	68	18	97	0.01	0.0	9.608	0.122	0	0	0	29
PL.8582	PL.8581	A	#1/0 ACSR	7.49Y	124.9	0.02	0.13	6.55	3	48	12	97	0.01	0.0	9.755	0.147	0	0	0	21
PL.8578	PL.8582	A	#2 ACSR	7.49Y	124.9	0.00	0.13	0.28	0	2	1	89	0.00	0.0	9.799	0.044	2	1	1	1
PL.9329	PL.8582	A	#1/0 ACSR	7.49Y	124.9	0.01	0.15	5.77	3	42	11	97	0.00	0.0	9.857	0.102	0	0	0	17
PL.9354	PL.9329	A	#1/0 ACSR	7.49Y	124.8	0.02	0.16	5.30	2	38	10	97	0.00	0.0	9.998	0.141	3	1	1	14
PL.9355	PL.9354	A	#1/0 ACSR	7.49Y	124.8	0.01	0.18	4.94	2	36	9	97	0.00	0.0	10.140	0.141	7	2	1	13
PL.9353	PL.9355	A	#1/0 ACSR	7.49Y	124.8	0.03	0.20	3.93	2	29	7	97	0.00	0.0	10.418	0.279	0	0	0	12
PL.8575	PL.9353	A	#1/0 ACSR	7.49Y	124.8	0.00	0.20	0.63	0	5	1	98	0.00	0.0	10.446	0.028	5	1	1	1
PL.9351	PL.9353	A	#1/0 ACSR	7.49Y	124.8	0.01	0.21	3.30	1	24	6	97	0.00	0.0	10.568	0.150	1	0	1	11
PL.9352	PL.9351	A	#1/0 ACSR	7.49Y	124.8	0.01	0.22	3.20	1	23	6	97	0.00	0.0	10.696	0.128	0	0	1	10
PL.8844	PL.9352	A	#1/0 ACSR	7.49Y	124.8	0.01	0.23	2.73	1	20	5	97	0.00	0.0	10.805	0.109	10	3	1	8
PL.9830	PL.8844	A	#1/0 ACSR	7.49Y	124.8	0.00	0.23	1.29	1	9	2	98	0.00	0.0	10.945	0.140	0	0	0	7
PL.8573	PL.9830	A	#2 ACSR	7.49Y	124.8	0.00	0.23	0.43	0	3	1	95	0.00	0.0	10.974	0.029	3	1	2	2
PL.9332	PL.9830	A	#1/0 ACSR	7.49Y	124.8	0.00	0.24	0.86	0	6	2	95	0.00	0.0	11.164	0.219	0	0	0	5
PL.8845	PL.9332	A	#1/0 ACSR	7.49Y	124.8	0.00	0.24	0.14	0	1	0	100	0.00	0.0	11.386	0.222	0	0	0	1
PL.10147	PL.8845	A	#1/0 ACSR	7.49Y	124.8	0.00	0.24	0.14	0	1	0	100	0.00	0.0	11.391	0.005	0	0	0	1
PD.1845-A	PL.10147	A	Closed	7.49Y	124.8	0.00	0.24	0.14	0	1	0	100	0.00	0.0	11.391	0.005	0	0	0	1
PD.1845-B	PD.1845-A	A	Closed	7.49Y	124.8	0.00	0.24	0.14	0	1	0	100	0.00	0.0	11.391	0.005	0	0	0	1
PL.10090	PD.1845-B	A	#1/0 ACSR	7.49Y	124.8	0.00	0.24	0.14	0	1	0	100	0.00	0.0	11.425	0.033	1	0	1	1
PL.8571	PL.10090	A	6 A (CWC)	7.49Y	124.8	0.00	0.24	0.00	0	0	0	100	0.00	0.0	11.510	0.085	0	0	0	0
PL.6806	PL.8571	A	6 A (CWC)	7.49Y	124.8	0.00	0.24	0.00	0	0	0	100	0.00	0.0	11.514	0.005	0	0	0	0
PD.1442-A	PL.6806	A	Open	7.49Y	124.8	0.00	0.24	0.00	0	0	0	100	0.00	0.0	11.514	0.005	0	0	0	0
PL.8570	PL.10090	A	6 A (CWC)	7.49Y	124.8	0.00	0.24	0.00	0	0	0	100	0.00	0.0	11.443	0.018	0	0	0	0
PD.1441-B	PL.8570	A	Open	7.49Y	124.8	0.00	0.24	0.00	0	0	0	100	0.00	0.0	11.443	0.018	0	0	0	0
PL.9476	PL.9332	A	#2 ACSR	7.49Y	124.8	0.00	0.24	0.42	0	3	1	95	0.00	0.0	11.257	0.093	3	1	2	3
PL.9477	PL.9476	A	#2 ACSR	7.49Y	124.8	0.00	0.24	0.05	0	0	0	100	0.00	0.0	11.297	0.040	0	0	1	1
PL.8572	PL.9332	A	#2 ACSR	7.49Y	124.8	0.00	0.24	0.30	0	2	1	89	0.00	0.0	11.187	0.023	2	1	1	1
PL.8574	PL.9352	A	#1/0 ACSR	7.49Y	124.8	0.00	0.22	0.44	0	3	1	95	0.00	0.0	10.718	0.022	3	1	1	1
PL.8576	PL.9329	A	#1/0 ACSR	7.49Y	124.9	0.00	0.15	0.47	0	3	1	95	0.00	0.0	9.869	0.012	3	1	3	3
PL.8577	PL.8582	A	#1/0 ACSR	7.49Y	124.9	0.00	0.13	0.24	0	2	0	100	0.00	0.0	9.806	0.051	2	0	1	1

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.8579	PL.8582	A	#1/0 ACSR	7.49Y	124.9	0.00	0.13	0.26	0	2	0	100	0.00	0.0	9.789	0.034	2	0	2	2
PL.8580	PL.8581	A	#2 ACSR	7.49Y	124.9	0.00	0.12	2.88	2	21	5	97	0.00	0.0	9.663	0.055	0	0	0	8
PL.9366	PL.8580	A	6 A (CWC)	7.49Y	124.9	0.01	0.12	2.88	2	21	5	97	0.00	0.0	9.734	0.072	3	1	1	8
PL.9367	PL.9366	A	6 A (CWC)	7.49Y	124.9	0.01	0.13	2.51	2	18	5	96	0.00	0.0	9.824	0.090	0	0	0	7
PL.8411	PL.9367	A	#4 ACSR	7.49Y	124.9	0.00	0.13	2.51	2	18	5	96	0.00	0.0	9.828	0.004	0	0	0	7
PD.1720	PL.8411	A	15T	7.49Y	124.9	0.00	0.13	2.51	0	18	5	96	0.00	0.0	9.828	0.004	0	0	0	7
PL.9368	PD.1720	A	#4 ACSR	7.49Y	124.9	0.01	0.14	1.37	1	10	3	96	0.00	0.0	9.949	0.120	3	1	1	5
PL.9369	PL.9368	A	#4 ACSR	7.49Y	124.9	0.00	0.14	0.99	1	7	2	96	0.00	0.0	10.021	0.072	2	1	1	4
PL.9370	PL.9369	A	#4 ACSR	7.49Y	124.9	0.00	0.14	0.65	0	5	1	98	0.00	0.0	10.058	0.038	2	0	1	3
PL.9371	PL.9370	A	#4 ACSR	7.49Y	124.9	0.00	0.15	0.42	0	3	1	95	0.00	0.0	10.262	0.204	0	0	0	2
PL.9376	PL.9371	A	#4 ACSR	7.49Y	124.9	0.00	0.15	0.42	0	3	1	95	0.00	0.0	10.325	0.063	0	0	0	2
PL.9372	PL.9376	A	#4 ACSR	7.49Y	124.8	0.00	0.15	0.42	0	3	1	95	0.00	0.0	10.455	0.130	1	0	1	2
PL.9373	PL.9372	A	#4 ACSR	7.49Y	124.8	0.00	0.15	0.23	0	2	0	100	0.00	0.0	10.514	0.059	2	0	1	1
PL.9374	PL.9373	A	#4 ACSR	7.49Y	124.8	0.00	0.15	0.00	0	0	0	100	0.00	0.0	10.819	0.305	0	0	0	0
PL.8389	PL.9374	A	#2 ACSR	7.49Y	124.8	0.00	0.15	0.00	0	0	0	100	0.00	0.0	11.172	0.354	0	0	0	0
PL.9330	PD.1720	A	#4 ACSR	7.49Y	124.9	0.00	0.14	1.14	1	8	2	97	0.00	0.0	9.833	0.004	0	0	0	2
PL.8585	PL.9330	A	#4 ACSR	7.49Y	124.9	0.00	0.14	1.14	1	8	2	97	0.00	0.0	9.875	0.042	8	2	2	2
PL.9358	PL.9363	A	#4 ACSR	7.50Y	125.0	0.00	-0.01	1.43	1	10	3	96	0.00	0.0	9.131	0.026	9	2	2	4
PL.9359	PL.9358	A	#4 ACSR	7.50Y	125.0	0.00	-0.01	0.23	0	2	0	100	0.00	0.0	9.238	0.107	0	0	1	2
PL.9356	PL.9359	A	#4 ACSR	7.50Y	125.0	0.00	-0.01	0.16	0	1	0	100	0.00	0.0	9.308	0.071	1	0	1	1
PL.9357	PL.9356	A	#4 ACSR	7.50Y	125.0	0.00	-0.01	0.00	0	0	0	100	0.00	0.0	9.482	0.173	0	0	0	0
PL.8560	PL.8843	A	#4 ACSR	7.51Y	125.1	0.00	-0.09	0.00	0	0	0	100	0.00	0.0	8.903	0.043	0	0	0	0
PL.8569	REG52	A	#1/0 ACSR	7.52Y	125.3	0.00	-0.31	1.27	1	9	2	98	0.00	0.0	8.208	0.026	9	2	1	1
PL.9343	PL.9400	A	#1/0 ACSR	7.10Y	118.3	0.00	6.71	0.78	0	5	1	98	0.00	0.0	8.192	0.092	0	0	1	2
PL.9344	PL.9343	A	#1/0 ACSR	7.10Y	118.3	0.00	6.71	0.78	0	5	1	98	0.00	0.0	8.233	0.041	5	1	1	1
PL.8498	PL.8838	C	#1/0 ACSR	7.12Y	118.7	0.00	6.33	0.95	0	7	2	96	0.00	0.0	7.572	0.050	7	2	1	1
PL.10031	PL.9469	C	6 A (CWC)	7.14Y	118.9	0.00	6.05	3.42	2	24	6	97	0.00	0.0	7.248	0.004	0	0	0	4
PD.1646	PL.10031	C	40T	7.14Y	118.9	0.00	6.05	3.42	0	24	6	97	0.00	0.0	7.248	0.004	0	0	0	4
PL.10032	PD.1646	C	6 A (CWC)	7.14Y	118.9	0.00	6.06	3.42	2	24	6	97	0.00	0.0	7.271	0.023	12	3	1	4
PL.8494	PL.10032	C	#4 ACSR	7.14Y	118.9	0.00	6.06	0.00	0	0	0	100	0.00	0.0	7.329	0.057	0	0	0	0
PL.8836	PL.10032	C	6 A (CWC)	7.14Y	118.9	0.01	6.06	1.65	1	11	3	96	0.00	0.0	7.341	0.070	0	0	0	3

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.8837	PL.8836	C	6 A (CWC)	7.14Y	118.9	0.00	6.06	0.67	0	5	1	98	0.00	0.0	7.435	0.094	0	0	0	2
PL.8496	PL.8837	C	6 A (CWC)	7.14Y	118.9	0.00	6.06	0.15	0	1	0	100	0.00	0.0	7.446	0.010	1	0	1	1
PL.8497	PL.8837	C	#2 ACSR	7.14Y	118.9	0.00	6.07	0.52	0	4	1	97	0.00	0.0	7.564	0.129	4	1	1	1
PL.8495	PL.8836	C	#1/0 ACSR	7.14Y	118.9	0.00	6.06	0.98	0	7	2	96	0.00	0.0	7.370	0.029	7	2	1	1
PL.10029	PL.8835	C	6 A (CWC)	7.15Y	119.2	0.00	5.78	0.85	1	6	2	95	0.00	0.0	6.979	0.004	0	0	0	1
PD.1645	PL.10029	C	40T	7.15Y	119.2	0.00	5.78	0.85	0	6	2	95	0.00	0.0	6.979	0.004	0	0	0	1
PL.10030	PD.1645	C	6 A (CWC)	7.15Y	119.2	0.00	5.78	0.85	1	6	2	95	0.00	0.0	7.039	0.059	6	2	1	1
PL.8492	PL.8833	A	#1/0 ACSR	7.17Y	119.6	0.00	5.44	0.48	0	3	1	95	0.00	0.0	6.685	0.028	3	1	1	1
PL.10017	PL.9311	C	#4 ACSR	7.22Y	120.4	0.00	4.61	3.66	3	26	7	97	0.00	0.0	5.878	0.005	0	0	0	7
PD.1639	PL.10017	C	40T	7.22Y	120.4	0.00	4.61	3.66	0	26	7	97	0.00	0.0	5.878	0.005	0	0	0	7
PL.10018	PD.1639	C	#4 ACSR	7.22Y	120.4	0.01	4.62	3.66	3	26	7	97	0.00	0.0	5.948	0.070	0	0	0	7
PL.8488	PL.10018	C	#4 ACSR	7.22Y	120.4	0.00	4.62	0.25	0	2	0	100	0.00	0.0	6.023	0.075	2	0	1	1
PL.8831	PL.10018	C	#4 ACSR	7.22Y	120.3	0.04	4.66	3.41	3	24	6	97	0.01	0.0	6.222	0.274	0	0	1	6
PL.9467	PL.8831	C	#4 ACSR	7.22Y	120.3	0.02	4.69	3.40	3	24	6	97	0.00	0.0	6.399	0.177	3	1	1	5
PL.8490	PL.9467	C	#1/0 ACSR	7.22Y	120.3	0.00	4.69	2.48	1	17	4	97	0.00	0.0	6.474	0.075	17	4	2	2
PL.8487	PL.9467	C	#1/0 ACSR	7.22Y	120.3	0.00	4.69	0.46	0	3	1	95	0.00	0.0	6.416	0.017	0	0	0	2
PL.8489	PL.8487	C	#4 ACSR	7.22Y	120.3	0.00	4.69	0.46	0	3	1	95	0.00	0.0	6.480	0.064	3	1	2	2
PL.8354	PL.9231	A	#2 ACSR	7.23Y	120.5	0.00	4.51	5.08	3	36	9	97	0.00	0.0	5.784	0.004	0	0	0	3
PD.1741	PL.8354	A	40T	7.23Y	120.5	0.00	4.51	5.08	0	36	9	97	0.00	0.0	5.784	0.004	0	0	0	3
PL.9307	PD.1741	A	#2 ACSR	7.23Y	120.5	0.00	4.51	1.52	1	11	3	96	0.00	0.0	5.789	0.005	0	0	0	2
PL.8355	PL.9307	A	#2 ACSR	7.23Y	120.5	0.00	4.51	1.52	1	11	3	96	0.00	0.0	5.830	0.041	11	3	2	2
PL.8990	PD.1741	A	#2 ACSR	7.23Y	120.5	0.00	4.51	3.56	2	25	6	97	0.00	0.0	5.860	0.075	25	6	1	1
PL.9060	PL.8830	A	#4 ACSR	7.28Y	121.3	0.00	3.73	0.62	0	4	1	97	0.00	0.0	5.103	0.005	0	0	0	1
PD.1740	PL.9060	A	40T	7.28Y	121.3	0.00	3.73	0.62	0	4	1	97	0.00	0.0	5.103	0.005	0	0	0	1
PL.9061	PD.1740	A	#4 ACSR	7.28Y	121.3	0.00	3.73	0.62	0	4	1	97	0.00	0.0	5.147	0.045	4	1	1	1
PL.9056	PL.8827	C	#4 ACSR	7.28Y	121.4	0.00	3.64	0.12	0	1	0	100	0.00	0.0	5.023	0.005	0	0	0	1
PD.1738	PL.9056	C	40T	7.28Y	121.4	0.00	3.64	0.12	0	1	0	100	0.00	0.0	5.023	0.005	0	0	0	1
PL.9057	PD.1738	C	#4 ACSR	7.28Y	121.4	0.00	3.64	0.12	0	1	0	100	0.00	0.0	5.088	0.065	1	0	1	1
PL.10013	PL.8824	A	6 A (CWC)	7.31Y	121.8	0.00	3.16	15.83	11	112	29	97	0.00	0.0	4.620	0.004	0	0	0	20
PD.1637	PL.10013	A	40T	7.31Y	121.8	0.00	3.16	15.83	0	112	29	97	0.00	0.0	4.620	0.004	0	0	0	20
PL.10014	PD.1637	A	6 A (CWC)	7.31Y	121.8	0.06	3.22	15.83	11	112	29	97	0.05	0.0	4.709	0.089	9	2	2	20

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.8826	PL.10014	A	6 A (CWC)	7.31Y	121.8	0.01	3.23	10.78	8	76	20	97	0.01	0.0	4.728	0.019	6	2	1	12
PL.9559	PL.8826	A	6 A (CWC)	7.30Y	121.7	0.06	3.29	9.91	7	70	18	97	0.03	0.0	4.891	0.162	19	5	2	11
PL.9560	PL.9559	A	6 A (CWC)	7.30Y	121.7	0.02	3.31	7.19	5	51	13	97	0.01	0.0	4.938	0.047	0	0	0	9
PL.9558	PL.9560	A	6 A (CWC)	7.30Y	121.6	0.05	3.36	7.19	5	51	13	97	0.02	0.0	5.125	0.187	12	3	3	9
PL.8345	PL.9558	A	#4 ACSR	7.30Y	121.6	0.04	3.40	5.47	4	39	10	97	0.01	0.0	5.270	0.145	0	0	0	6
PL.8344	PL.8345	A	#1/0 ACSR	7.30Y	121.6	0.00	3.40	3.26	1	23	6	97	0.00	0.0	5.310	0.040	8	2	1	2
PL.21309	PL.8344	A	#1/0 ACSR	7.30Y	121.6	0.00	3.40	2.07	1	15	4	97	0.00	0.0	5.367	0.057	15	4	1	1
PL.9561	PL.8345	A	#4 ACSR	7.30Y	121.6	0.01	3.40	2.21	2	16	4	97	0.00	0.0	5.322	0.052	0	0	1	4
PL.9562	PL.9561	A	#4 ACSR	7.30Y	121.6	0.00	3.40	2.18	2	15	4	97	0.00	0.0	5.347	0.025	5	1	2	3
PL.9563	PL.9562	A	6 A (CWC)	7.30Y	121.6	0.00	3.41	1.53	1	11	3	96	0.00	0.0	5.385	0.038	0	0	0	1
PL.8997	PL.9563	A	6 A (CWC)	7.30Y	121.6	0.00	3.41	1.53	1	11	3	96	0.00	0.0	5.420	0.035	11	3	1	1
PL.8342	PL.10014	A	6 A (CWC)	7.31Y	121.8	0.01	3.23	3.81	3	27	7	97	0.00	0.0	4.770	0.061	3	1	1	6
PL.8343	PL.8342	A	#4 ACSR	7.31Y	121.8	0.00	3.23	3.40	3	24	6	97	0.00	0.0	4.816	0.045	24	6	5	5
PL.8370	PL.8824	C	6 A (CWC)	7.31Y	121.8	0.00	3.15	1.21	1	9	2	98	0.00	0.0	4.620	0.005	0	0	0	1
PD.1767	PL.8370	C	40T	7.31Y	121.8	0.00	3.15	1.21	0	9	2	98	0.00	0.0	4.620	0.005	0	0	0	1
PL.8371	PD.1767	C	6 A (CWC)	7.31Y	121.8	0.00	3.16	1.21	1	9	2	98	0.00	0.0	4.688	0.069	9	2	1	1
PL.10011	PL.10221	A	#1/0 ACSR	7.33Y	122.2	0.00	2.82	0.49	0	3	1	95	0.00	0.0	4.367	0.005	0	0	0	1
PD.1840	PL.10011	A	20T	7.33Y	122.2	0.00	2.82	0.49	0	3	1	95	0.00	0.0	4.367	0.005	0	0	0	1
PL.10012	PD.1840	A	#1/0 ACSR	7.33Y	122.2	0.00	2.82	0.49	0	3	1	95	0.00	0.0	4.536	0.170	3	1	1	1
PL.8331	PL.9536	B	6 A (CWC)	7.35Y	122.5	0.08	2.50	22.69	16	162	42	97	0.10	0.1	4.140	0.082	14	4	2	22
PL.8332	PL.8331	B	6 A (CWC)	7.35Y	122.5	0.00	2.51	20.68	15	147	38	97	0.00	0.0	4.144	0.004	0	0	0	20
PD.1759	PL.8332	B	30T	7.35Y	122.5	0.00	2.51	20.68	0	147	38	97	0.00	0.0	4.144	0.004	0	0	0	20
PL.9284	PD.1759	B	6 A (CWC)	7.35Y	122.5	0.01	2.51	17.61	13	125	32	97	0.00	0.0	4.151	0.006	0	0	0	18
PL.9537	PL.9284	B	6 A (CWC)	7.35Y	122.5	0.04	2.55	17.61	13	125	32	97	0.03	0.0	4.198	0.047	12	3	1	18
PL.9538	PL.9537	B	6 A (CWC)	7.34Y	122.4	0.04	2.59	15.87	11	113	29	97	0.04	0.0	4.260	0.062	0	0	1	17
PL.8334	PL.9538	B	#2 ACSR	7.33Y	122.2	0.20	2.79	15.87	9	113	29	97	0.17	0.1	4.668	0.409	0	0	0	16
PL.9539	PL.8334	B	#2 ACSR	7.33Y	122.2	0.02	2.82	12.67	7	90	23	97	0.01	0.0	4.728	0.060	9	2	1	13
PL.9540	PL.9539	B	#2 ACSR	7.33Y	122.1	0.04	2.86	11.41	7	81	21	97	0.02	0.0	4.878	0.150	37	9	8	12
PL.9435	PL.9540	B	#2 ACSR	7.33Y	122.1	0.01	2.87	6.20	4	44	11	97	0.00	0.0	4.932	0.055	26	7	3	4
PL.9436	PL.9435	B	#2 ACSR	7.33Y	122.1	0.00	2.87	2.60	1	18	5	96	0.00	0.0	4.988	0.055	18	5	1	1
PL.8335	PL.8334	B	#4 ACSR	7.33Y	122.2	0.04	2.84	3.20	2	23	6	97	0.01	0.0	4.992	0.324	5	1	1	3

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.9279	PL.8335	B	#4 ACSR	7.33Y	122.2	0.00	2.84	0.00	0	0	0	100	0.00	0.0	5.037	0.045	0	0	0	0
PL.8336	PL.8335	B	#4 ACSR	7.33Y	122.2	0.01	2.85	2.55	2	18	5	96	0.00	0.0	5.104	0.112	6	1	1	2
PL.8337	PL.8336	B	#1/0 ACSR	7.33Y	122.2	0.00	2.85	1.77	1	13	3	97	0.00	0.0	5.148	0.044	13	3	1	1
PL.8338	PL.8336	B	#4 ACSR	7.33Y	122.2	0.00	2.85	0.00	0	0	0	100	0.00	0.0	5.194	0.090	0	0	0	0
PL.8977	PD.1759	B	6 A (CWC)	7.35Y	122.5	0.01	2.51	3.07	2	22	6	96	0.00	0.0	4.193	0.048	0	0	0	2
PL.8339	PL.8977	B	#1/0 ACSR	7.35Y	122.5	0.00	2.51	0.00	0	0	0	100	0.00	0.0	4.229	0.036	0	0	1	1
PL.8340	PL.8977	B	#1/0 ACSR	7.35Y	122.5	0.00	2.51	3.07	1	22	6	96	0.00	0.0	4.232	0.040	22	6	1	1
PL.10097	PL.8821	A	6 A (CWC)	7.41Y	123.5	0.01	1.54	45.03	32	323	84	97	0.01	0.0	3.456	0.003	0	0	0	75
PD.1848	PL.10097	A	40T	7.41Y	123.5	0.00	1.54	45.03	0	323	84	97	0.00	0.0	3.456	0.003	0	0	0	75
PL.10098	PD.1848	A	6 A (CWC)	7.39Y	123.2	0.24	1.78	45.03	32	323	84	97	0.57	0.2	3.571	0.115	0	0	0	75
PL.9011	PL.10098	A	6 A (CWC)	7.39Y	123.2	0.07	1.84	45.03	32	322	84	97	0.16	0.0	3.603	0.032	0	0	0	75
PL.8661	PL.9011	A	1/0 AL URD	7.39Y	123.2	0.00	1.85	1.87	1	13	3	97	0.00	0.0	3.608	0.004	0	0	0	1
PD.1763	PL.8661	A	25T	7.39Y	123.2	0.00	1.85	1.87	0	13	3	97	0.00	0.0	3.608	0.004	0	0	0	1
PL.8662	PD.1763	A	1/0 AL URD	7.39Y	123.2	0.00	1.85	1.87	1	13	3	97	0.00	0.0	3.641	0.033	13	3	1	1
PL.9546	PL.9011	A	6 A (CWC)	7.38Y	123.0	0.16	2.01	43.17	31	309	80	97	0.38	0.1	3.688	0.085	6	1	2	74
PL.9547	PL.9546	A	6 A (CWC)	7.37Y	122.8	0.14	2.15	42.36	30	303	79	97	0.33	0.1	3.763	0.075	0	0	0	72
PL.10009	PL.9547	A	#4 ACSR	7.37Y	122.8	0.00	2.15	0.00	0	0	0	100	0.00	0.0	3.768	0.005	0	0	0	0
PD.1839	PL.10009	A	25T	7.37Y	122.8	0.00	2.15	0.00	0	0	0	100	0.00	0.0	3.768	0.005	0	0	0	0
PL.10010	PD.1839	A	#4 ACSR	7.37Y	122.8	0.00	2.15	0.00	0	0	0	100	0.00	0.0	3.940	0.173	0	0	0	0
PL.9548	PL.9547	A	6 A (CWC)	7.36Y	122.7	0.12	2.27	42.36	30	302	78	97	0.26	0.1	3.823	0.060	0	0	1	72
PL.9549	PL.9548	A	6 A (CWC)	7.36Y	122.7	0.08	2.35	42.36	30	302	78	97	0.18	0.1	3.863	0.041	0	0	0	71
PL.8312	PL.9549	A	#1/0 ACSR	7.36Y	122.7	0.00	2.35	2.05	1	15	4	97	0.00	0.0	3.886	0.023	15	4	2	2
PL.9550	PL.9549	A	6 A (CWC)	7.35Y	122.5	0.15	2.50	40.31	29	287	74	97	0.32	0.1	3.945	0.081	0	0	0	69
PL.9551	PL.9550	A	6 A (CWC)	7.34Y	122.3	0.19	2.68	40.31	29	287	74	97	0.40	0.1	4.047	0.103	1	0	1	69
PL.9552	PL.9551	A	6 A (CWC)	7.34Y	122.3	0.03	2.71	40.12	29	285	74	97	0.06	0.0	4.062	0.015	0	0	0	68
PL.9555	PL.9552	A	6 A (CWC)	7.33Y	122.2	0.09	2.81	36.24	26	257	67	97	0.18	0.1	4.120	0.058	4	1	2	60
PL.9556	PL.9555	A	6 A (CWC)	7.32Y	122.0	0.16	2.97	35.71	26	254	65	97	0.31	0.1	4.220	0.100	0	0	0	58
PL.8315	PL.9556	A	6 A (CWC)	7.32Y	122.0	0.01	2.98	6.89	5	49	13	97	0.00	0.0	4.271	0.051	31	8	5	7
PL.8316	PL.8315	A	6 A (CWC)	7.32Y	122.0	0.00	2.98	2.49	2	18	5	96	0.00	0.0	4.348	0.078	18	5	2	2
PL.8317	PL.8316	A	#1/0 ACSR	7.32Y	122.0	0.00	2.98	0.00	0	0	0	100	0.00	0.0	4.362	0.014	0	0	0	0
PL.8751	PL.8317	A	#1/0 ACSR	7.32Y	122.0	0.00	2.98	0.00	0	0	0	100	0.00	0.0	4.399	0.037	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: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.9541	PL.9556	A	#4 ACSR	7.32Y	122.0	0.01	2.98	3.41	3	24	6	97	0.00	0.0	4.306	0.086	18	5	2	4
PL.9542	PL.9541	A	#4 ACSR	7.32Y	122.0	0.00	2.98	0.85	1	6	2	95	0.00	0.0	4.350	0.044	6	2	2	2
PL.9543	PL.9556	A	6 A (CWC)	7.32Y	122.0	0.07	3.04	25.41	18	180	47	97	0.09	0.1	4.279	0.059	2	0	1	47
PL.9544	PL.9543	A	6 A (CWC)	7.31Y	121.9	0.09	3.13	25.16	18	178	46	97	0.12	0.1	4.363	0.083	9	2	2	46
PL.9315	PL.9544	A	6 A (CWC)	7.31Y	121.8	0.08	3.21	23.74	17	168	43	97	0.10	0.1	4.438	0.076	1	0	1	42
PL.8320	PL.9315	A	#2 ACSR	7.31Y	121.8	0.00	3.21	0.00	0	0	0	100	0.00	0.0	4.511	0.072	0	0	0	0
PL.8319	PL.9315	A	#4 ACSR	7.31Y	121.8	0.00	3.21	0.00	0	0	0	100	0.00	0.0	4.495	0.056	0	0	0	0
PL.8998	PL.9315	A	6 A (CWC)	7.30Y	121.6	0.18	3.40	23.56	17	167	43	97	0.23	0.1	4.611	0.172	0	0	0	41
PL.8999	PL.8998	A	6 A (CWC)	7.29Y	121.6	0.04	3.44	23.56	17	166	43	97	0.06	0.0	4.652	0.041	0	0	0	41
PL.9228	PL.8999	A	6 A (CWC)	7.29Y	121.5	0.08	3.52	19.56	14	138	36	97	0.09	0.1	4.744	0.092	0	0	0	30
PL.9000	PL.9228	A	6 A (CWC)	7.28Y	121.4	0.11	3.63	17.95	13	127	33	97	0.10	0.1	4.876	0.132	0	0	1	27
PL.9003	PL.9000	A	6 A (CWC)	7.28Y	121.3	0.05	3.68	17.93	13	126	32	97	0.05	0.0	4.938	0.061	5	1	1	26
PL.9004	PL.9003	A	6 A (CWC)	7.28Y	121.3	0.05	3.73	17.18	12	121	31	97	0.05	0.0	5.003	0.065	0	0	0	25
PL.9229	PL.9004	A	6 A (CWC)	7.27Y	121.2	0.08	3.82	16.72	12	118	30	97	0.08	0.1	5.113	0.111	0	0	0	24
PL.9005	PL.9229	A	#1/0 ACSR	7.27Y	121.2	0.00	3.82	2.96	1	21	5	97	0.00	0.0	5.162	0.049	8	2	1	3
PL.9006	PL.9005	A	#1/0 ACSR	7.27Y	121.2	0.00	3.82	1.80	1	13	3	97	0.00	0.0	5.202	0.040	8	2	1	2
PL.8324	PL.9006	A	#1/0 ACSR	7.27Y	121.2	0.00	3.82	0.60	0	4	1	97	0.00	0.0	5.259	0.057	4	1	1	1
PL.9230	PL.9229	A	6 A (CWC)	7.27Y	121.1	0.04	3.85	13.76	10	97	25	97	0.03	0.0	5.174	0.061	0	0	0	21
PL.8325	PL.9230	A	6 A (CWC)	7.27Y	121.1	0.03	3.89	13.76	10	97	25	97	0.02	0.0	5.226	0.052	0	0	0	21
PL.8328	PL.8325	A	#4 ACSR	7.26Y	121.1	0.04	3.93	13.76	11	97	25	97	0.03	0.0	5.303	0.077	9	2	2	21
PL.8327	PL.8328	A	#1/0 ACSR	7.26Y	121.1	0.00	3.93	2.52	1	18	5	96	0.00	0.0	5.374	0.071	18	5	3	3
PL.8413	PL.8328	A	#1/0 ACSR	7.26Y	121.1	0.01	3.94	9.99	4	70	18	97	0.00	0.0	5.352	0.049	10	2	2	16
PL.9007	PL.8413	A	#1/0 ACSR	7.26Y	121.1	0.00	3.94	3.25	1	23	6	97	0.00	0.0	5.417	0.064	18	5	3	6
PL.9008	PL.9007	A	#1/0 ACSR	7.26Y	121.1	0.00	3.94	0.70	0	5	1	98	0.00	0.0	5.464	0.048	5	1	3	3
PL.8414	PL.8413	A	#1/0 ACSR	7.26Y	121.1	0.00	3.94	5.36	2	38	10	97	0.00	0.0	5.381	0.029	6	2	1	8
PL.8329	PL.8414	A	#1/0 ACSR	7.26Y	121.0	0.01	3.95	4.52	2	32	8	97	0.00	0.0	5.452	0.071	0	0	0	7
PL.8330	PL.8329	A	#1/0 ACSR	7.26Y	121.0	0.00	3.95	2.15	1	15	4	97	0.00	0.0	5.498	0.045	15	4	4	4
PL.9009	PL.8329	A	#1/0 ACSR	7.26Y	121.0	0.00	3.95	2.37	1	17	4	97	0.00	0.0	5.493	0.040	11	3	2	3
PL.9010	PL.9009	A	#1/0 ACSR	7.26Y	121.0	0.00	3.95	0.82	0	6	1	99	0.00	0.0	5.518	0.026	6	1	1	1
PL.8326	PL.8325	A	#2 ACSR	7.27Y	121.1	0.00	3.89	0.00	0	0	0	100	0.00	0.0	5.307	0.080	0	0	0	0
PL.8323	PL.9004	A	#4 ACSR	7.28Y	121.3	0.00	3.73	0.46	0	3	1	95	0.00	0.0	5.055	0.052	3	1	1	1

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.8321	PL.9228	A	#4 ACSR	7.29Y	121.5	0.00	3.52	1.61	1	11	3	96	0.00	0.0	4.803	0.059	11	3	3	3
PL.8665	PL.8999	A	#4 ACSR	7.29Y	121.6	0.00	3.44	4.00	3	28	7	97	0.00	0.0	4.657	0.005	0	0	0	11
PD.1765	PL.8665	A	25T	7.29Y	121.6	0.00	3.44	4.00	0	28	7	97	0.00	0.0	4.657	0.005	0	0	0	11
PL.8666	PD.1765	A	#4 ACSR	7.29Y	121.5	0.01	3.45	4.00	3	28	7	97	0.00	0.0	4.722	0.065	11	3	4	11
PL.9545	PL.8666	A	#4 ACSR	7.29Y	121.5	0.01	3.46	2.39	2	17	4	97	0.00	0.0	4.797	0.075	0	0	0	7
PL.8322	PL.9545	A	#4 ACSR	7.29Y	121.5	0.01	3.46	1.36	1	10	2	98	0.00	0.0	4.889	0.092	0	0	0	5
PL.10204	PL.8322	A	#1/0 ACSR	7.29Y	121.5	0.00	3.46	0.00	0	0	0	100	0.00	0.0	4.925	0.035	0	0	0	0
PL.10205	PL.10204	A	#1/0 ACSR	7.29Y	121.5	0.00	3.46	0.00	0	0	0	100	0.00	0.0	4.937	0.013	0	0	0	0
PL.9833	PL.8322	A	#4 ACSR	7.29Y	121.5	0.01	3.47	1.36	1	10	2	98	0.00	0.0	5.058	0.168	6	2	4	5
PL.9834	PL.9833	A	#4 ACSR	7.29Y	121.5	0.00	3.47	0.45	0	3	1	95	0.00	0.0	5.072	0.014	0	0	0	1
PL.8775	PL.9834	A	#4 ACSR	7.29Y	121.5	0.00	3.47	0.45	0	3	1	95	0.00	0.0	5.140	0.068	3	1	1	1
PL.9316	PL.9545	A	#4 ACSR	7.29Y	121.5	0.00	3.46	1.03	1	7	2	96	0.00	0.0	4.823	0.026	0	0	0	2
PL.8418	PL.9316	A	#4 ACSR	7.29Y	121.5	0.00	3.46	1.03	1	7	2	96	0.00	0.0	4.848	0.024	7	2	2	2
PL.8318	PL.9544	A	#4 ACSR	7.31Y	121.9	0.00	3.13	0.14	0	1	0	100	0.00	0.0	4.425	0.062	1	0	2	2
PL.9553	PL.9552	A	#2 ACSR	7.34Y	122.3	0.01	2.72	3.87	2	28	7	97	0.00	0.0	4.155	0.093	3	1	2	8
PL.9554	PL.9553	A	#2 ACSR	7.34Y	122.3	0.00	2.73	3.48	2	25	6	97	0.00	0.0	4.189	0.034	14	4	1	6
PL.8663	PL.9554	A	#2 ACSR	7.34Y	122.3	0.00	2.73	0.51	0	4	1	97	0.00	0.0	4.193	0.004	0	0	0	1
PD.1764	PL.8663	A	15T	7.34Y	122.3	0.00	2.73	0.51	0	4	1	97	0.00	0.0	4.193	0.004	0	0	0	1
PL.8664	PD.1764	A	#2 ACSR	7.34Y	122.3	0.00	2.73	0.51	0	4	1	97	0.00	0.0	4.207	0.014	0	0	0	1
PL.8314	PL.8664	A	#2 ACSR	7.34Y	122.3	0.00	2.73	0.51	0	4	1	97	0.00	0.0	4.250	0.043	4	1	1	1
PL.8313	PL.9554	A	#2 ACSR	7.34Y	122.3	0.01	2.73	1.00	1	7	2	96	0.00	0.0	4.451	0.262	2	0	1	4
PL.9001	PL.8313	A	#2 ACSR	7.34Y	122.3	0.00	2.73	0.73	0	5	1	98	0.00	0.0	4.530	0.079	2	1	1	3
PL.9002	PL.9001	A	#2 ACSR	7.34Y	122.3	0.00	2.74	0.43	0	3	1	95	0.00	0.0	4.765	0.235	3	1	2	2
PL.10023	PL.8820	A	#4 ACSR	7.43Y	123.9	0.00	1.11	0.00	0	0	0	100	0.00	0.0	3.212	0.005	0	0	0	0
PD.1642	PL.10023	A	40T	7.43Y	123.9	0.00	1.11	0.00	0	0	0	100	0.00	0.0	3.212	0.005	0	0	0	0
PL.10024	PD.1642	A	#4 ACSR	7.43Y	123.9	0.00	1.11	0.00	0	0	0	100	0.00	0.0	3.472	0.260	0	0	0	0
PL.8653	PL.9534	C	6 A (CWC)	7.10Y	118.3	0.00	6.72	0.18	0	1	0	100	0.00	0.0	2.875	0.005	0	0	0	1
PD.1758	PL.8653	C	40T	7.10Y	118.3	0.00	6.72	0.18	0	1	0	100	0.00	0.0	2.875	0.005	0	0	0	1
PL.8654	PD.1758	C	6 A (CWC)	7.10Y	118.3	0.00	6.72	0.18	0	1	0	100	0.00	0.0	2.927	0.051	1	0	1	1
PL.10007	PL.9534	A	#2 ACSR	7.10Y	118.3	0.00	6.72	0.16	0	1	0	100	0.00	0.0	2.875	0.004	0	0	0	1
PD.1838	PL.10007	A	40T	7.10Y	118.3	0.00	6.72	0.16	0	1	0	100	0.00	0.0	2.875	0.004	0	0	0	1

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.10008	PD.1838	A	#2 ACSR	7.10Y	118.3	0.00	6.72	0.16	0	1	0	100	0.00	0.0	2.955	0.080	1	0	1	1
PL.8651	PL.8419	C	#4 ACSR	7.13Y	118.8	0.00	6.24	0.49	0	3	1	95	0.00	0.0	2.618	0.004	0	0	0	2
PD.1757	PL.8651	C	40T	7.13Y	118.8	0.00	6.24	0.49	0	3	1	95	0.00	0.0	2.618	0.004	0	0	0	2
PL.8652	PD.1757	C	#4 ACSR	7.13Y	118.8	0.00	6.25	0.49	0	3	1	95	0.00	0.0	2.702	0.084	2	1	1	2
PL.9531	PL.8652	C	#4 ACSR	7.13Y	118.8	0.00	6.25	0.18	0	1	0	100	0.00	0.0	2.801	0.100	1	0	1	1
PL.10005	PL.8419	A	6 A (CWC)	7.13Y	118.8	0.00	6.24	1.58	1	11	3	96	0.00	0.0	2.618	0.004	0	0	0	3
PD.1837	PL.10005	A	40T	7.13Y	118.8	0.00	6.24	1.58	0	11	3	96	0.00	0.0	2.618	0.004	0	0	0	3
PL.10006	PD.1837	A	6 A (CWC)	7.13Y	118.8	0.00	6.25	1.58	1	11	3	96	0.00	0.0	2.684	0.066	2	1	2	3
PL.9532	PL.10006	A	6 A (CWC)	7.13Y	118.8	0.00	6.25	1.24	1	9	2	98	0.00	0.0	2.731	0.047	9	2	1	1
PL.8816	PL.8815	ABC	336 MCM AC	7.14Y	118.9	0.05	6.07	185.42	36	3797	1163	96	0.92	0.0	2.527	0.032	2	0	1	816
PL.8261	PL.8816	ABC	#3/0 ACSR	7.12Y	118.7	0.22	6.29	185.35	62	3794	1161	96	5.31	0.1	2.619	0.092	0	0	0	815
PL.9933	PL.8261	C	#4 ACSR	7.12Y	118.7	0.00	6.29	4.96	4	34	9	97	0.00	0.0	2.623	0.005	0	0	0	7
PD.1799	PL.9933	C	65T	7.12Y	118.7	0.00	6.29	4.96	0	34	9	97	0.00	0.0	2.623	0.005	0	0	0	7
PL.9934	PD.1799	C	#4 ACSR	7.12Y	118.7	0.01	6.30	4.96	4	34	9	97	0.00	0.0	2.680	0.057	8	2	2	7
PL.8262	PL.9934	C	#1/0 ACSR	7.12Y	118.7	0.00	6.30	3.14	1	22	6	96	0.00	0.0	2.726	0.045	4	1	2	3
PL.8263	PL.8262	C	#1/0 ACSR	7.12Y	118.7	0.00	6.30	2.60	1	18	5	96	0.00	0.0	2.749	0.024	18	5	1	1
PL.9283	PL.9934	C	#4 ACSR	7.12Y	118.7	0.00	6.30	0.59	0	4	1	97	0.00	0.0	2.727	0.047	4	1	2	2
PL.9239	PL.8261	ABC	#3/0 ACSR	7.11Y	118.6	0.16	6.45	183.70	61	3755	1144	96	3.91	0.1	2.688	0.069	10	2	2	808
PL.8264	PL.9239	ABC	#3/0 ACSR	7.10Y	118.4	0.17	6.62	182.02	61	3716	1130	96	4.15	0.1	2.762	0.074	0	0	0	800
PL.9929	PL.8264	C	#4 ACSR	7.10Y	118.4	0.00	6.62	0.26	0	2	0	100	0.00	0.0	2.767	0.005	0	0	0	1
PD.1797	PL.9929	C	65T	7.10Y	118.4	0.00	6.62	0.26	0	2	0	100	0.00	0.0	2.767	0.005	0	0	0	1
PL.9930	PD.1797	C	#4 ACSR	7.10Y	118.4	0.00	6.62	0.26	0	2	0	100	0.00	0.0	2.812	0.045	2	0	1	1
PL.9631	PL.9930	C	#4 ACSR	7.10Y	118.4	0.00	6.62	0.00	0	0	0	100	0.00	0.0	2.938	0.126	0	0	0	0
PL.8880	PL.8264	ABC	#3/0 ACSR	7.10Y	118.3	0.11	6.74	181.94	61	3710	1123	96	2.68	0.1	2.810	0.048	0	0	0	799
PL.9909	PL.8880	A	#1/0 ACSR	7.10Y	118.3	0.00	6.74	0.10	0	1	0	100	0.00	0.0	2.814	0.004	0	0	0	2
PD.1786	PL.9909	A	65T	7.10Y	118.3	0.00	6.74	0.10	0	1	0	100	0.00	0.0	2.814	0.004	0	0	0	2
PL.9910	PD.1786	A	#1/0 ACSR	7.10Y	118.3	0.00	6.74	0.10	0	1	0	100	0.00	0.0	2.832	0.017	1	0	2	2
PL.9632	PL.8880	ABC	#3/0 ACSR	7.09Y	118.2	0.08	6.82	181.90	61	3707	1119	96	1.92	0.1	2.845	0.035	18	5	6	797
REG50	PL.9632	ABC	250kva	7.51Y	125.2	-7.04	-0.23	181.03	55	3687	1112	96	percent Boost= 5.62 Tap= 9.0							791
PL.9633	REG50	ABC	#3/0 ACSR	7.51Y	125.1	0.13	-0.10	170.85	57	3687	1112	96	2.83	0.1	2.903	0.058	27	7	3	791
PL.9911	PL.9633	A	#4 ACSR	7.51Y	125.1	0.00	-0.10	1.27	1	9	2	98	0.00	0.0	2.908	0.005	0	0	0	3

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% 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.1787	PL.9911	A	65T	7.51Y	125.1	0.00	-0.10	1.27	0	9	2	98	0.00	0.0	2.908	0.005	0	0	0	3
PL.9912	PD.1787	A	#4 ACSR	7.51Y	125.1	0.00	-0.10	1.27	1	9	2	98	0.00	0.0	2.959	0.051	0	0	1	3
PL.9685	PL.9912	A	#4 ACSR	7.51Y	125.1	0.00	-0.10	1.22	1	9	2	98	0.00	0.0	2.972	0.013	0	0	0	2
PL.8269	PL.9685	A	#1/0 ACSR	7.51Y	125.1	0.00	-0.09	1.02	0	7	2	96	0.00	0.0	3.017	0.045	7	2	1	1
PL.8882	PL.9685	A	#4 ACSR	7.51Y	125.1	0.00	-0.10	0.20	0	1	0	100	0.00	0.0	3.019	0.047	1	0	1	1
PL.8881	PL.9633	ABC	#3/0 ACSR	7.50Y	125.0	0.08	-0.02	169.17	56	3648	1098	96	1.67	0.0	2.938	0.035	24	6	4	785
PL.8883	PL.8881	ABC	#3/0 ACSR	7.49Y	124.8	0.18	0.15	168.07	56	3622	1090	96	3.90	0.1	3.020	0.082	9	2	3	781
PL.9629	PL.8883	ABC	#3/0 ACSR	7.48Y	124.7	0.14	0.29	167.19	56	3599	1079	96	3.04	0.1	3.085	0.065	0	0	1	777
PL.9630	PL.9629	ABC	#3/0 ACSR	7.48Y	124.6	0.07	0.36	167.17	56	3595	1074	96	1.50	0.0	3.117	0.032	3	1	2	776
PL.9625	PL.9630	ABC	#3/0 ACSR	7.47Y	124.5	0.12	0.48	161.53	54	3471	1041	96	2.44	0.1	3.173	0.056	2	1	1	747
PL.9626	PL.9625	ABC	#3/0 ACSR	7.47Y	124.4	0.10	0.58	161.44	54	3467	1037	96	2.13	0.1	3.222	0.049	5	1	3	746
PL.9616	PL.9626	ABC	#3/0 ACSR	7.46Y	124.3	0.08	0.66	161.22	54	3460	1032	96	1.65	0.0	3.260	0.038	4	1	2	743
PL.9617	PL.9616	ABC	#3/0 ACSR	7.45Y	124.2	0.12	0.78	161.02	54	3454	1029	96	2.62	0.1	3.320	0.060	13	3	2	741
PL.9272	PL.9617	ABC	#3/0 ACSR	7.44Y	124.0	0.20	0.98	159.30	53	3414	1016	96	4.17	0.1	3.419	0.099	30	8	4	732
PL.9905	PL.9272	C	#4 ACSR	7.44Y	124.0	0.00	0.98	4.88	4	35	9	97	0.00	0.0	3.430	0.012	0	0	0	7
PD.1784	PL.9905	C	65T	7.44Y	124.0	0.00	0.98	4.88	0	35	9	97	0.00	0.0	3.430	0.012	0	0	0	7
PL.9906	PD.1784	C	#4 ACSR	7.44Y	124.0	0.01	1.00	4.88	4	35	9	97	0.00	0.0	3.501	0.071	8	2	1	7
PL.8281	PL.9906	C	#4 ACSR	7.44Y	124.0	0.01	1.00	3.76	3	27	7	97	0.00	0.0	3.555	0.054	10	3	2	6
PL.8282	PL.8281	C	#4 ACSR	7.44Y	124.0	0.00	1.01	2.33	2	17	4	97	0.00	0.0	3.598	0.043	5	1	1	4
PL.9619	PL.8282	C	#4 ACSR	7.44Y	124.0	0.00	1.01	1.60	1	12	3	97	0.00	0.0	3.652	0.055	12	3	3	3
PL.8885	PL.9272	ABC	#3/0 ACSR	7.43Y	123.9	0.15	1.13	156.30	52	3345	993	96	3.14	0.1	3.495	0.077	0	0	0	721
PL.8280	PL.8885	ABC	#3/0 ACSR	7.42Y	123.7	0.14	1.28	155.28	52	3320	983	96	2.92	0.1	3.567	0.072	0	0	0	716
PL.9612	PL.8280	C	#4 ACSR	7.42Y	123.7	0.05	1.32	27.28	21	196	50	97	0.07	0.0	3.605	0.038	6	1	3	37
PL.9613	PL.9612	C	#4 ACSR	7.42Y	123.6	0.05	1.37	26.49	20	190	49	97	0.07	0.0	3.648	0.043	0	0	1	34
PL.9614	PL.9613	C	#2 ACSR	7.42Y	123.6	0.01	1.38	5.58	3	40	10	97	0.00	0.0	3.686	0.038	10	2	2	5
PL.9615	PL.9614	C	#2 ACSR	7.42Y	123.6	0.00	1.38	4.23	2	30	8	97	0.00	0.0	3.708	0.022	21	5	2	3
PL.8294	PL.9615	C	#1/0 ACSR	7.42Y	123.6	0.00	1.38	1.26	1	9	2	98	0.00	0.0	3.767	0.060	9	2	1	1
PL.8286	PL.9613	C	6 A (CWC)	7.42Y	123.6	0.00	1.38	20.90	15	150	39	97	0.00	0.0	3.652	0.004	0	0	0	28
PD.1782	PL.8286	C	25T	7.42Y	123.6	0.00	1.38	20.90	0	150	39	97	0.00	0.0	3.652	0.004	0	0	0	28
PL.9270	PD.1782	C	#4 ACSR	7.42Y	123.6	0.00	1.38	0.81	1	6	1	99	0.00	0.0	3.657	0.005	0	0	0	1
PL.8285	PL.9270	C	#4 ACSR	7.42Y	123.6	0.00	1.38	0.81	1	6	1	99	0.00	0.0	3.760	0.104	6	1	1	1

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

Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.9608	PD.1782	C	6 A (CWC)	7.41Y	123.6	0.04	1.42	20.10	14	144	37	97	0.05	0.0	3.701	0.049	5	1	2	27
PL.9609	PL.9608	C	6 A (CWC)	7.41Y	123.5	0.04	1.46	19.45	14	140	36	97	0.04	0.0	3.749	0.048	10	3	3	25
PL.9610	PL.9609	C	6 A (CWC)	7.41Y	123.5	0.04	1.50	18.06	13	130	33	97	0.03	0.0	3.792	0.043	4	1	1	22
PL.9611	PL.9610	C	6 A (CWC)	7.41Y	123.5	0.02	1.52	17.53	13	126	32	97	0.02	0.0	3.821	0.029	1	0	1	21
PL.8287	PL.9611	C	6 A (CWC)	7.41Y	123.4	0.06	1.58	17.43	12	125	32	97	0.05	0.0	3.903	0.082	28	7	4	20
PL.9603	PL.8287	C	6 A (CWC)	7.40Y	123.4	0.01	1.59	5.33	4	38	10	97	0.00	0.0	3.964	0.061	0	0	0	7
PL.9604	PL.9603	C	6 A (CWC)	7.40Y	123.4	0.00	1.60	5.33	4	38	10	97	0.00	0.0	3.986	0.022	25	6	4	7
PL.9605	PL.9604	C	6 A (CWC)	7.40Y	123.4	0.00	1.60	1.91	1	14	4	96	0.00	0.0	4.029	0.044	14	4	3	3
PL.9601	PL.8287	C	#4 ACSR	7.40Y	123.4	0.02	1.60	8.17	6	59	15	97	0.01	0.0	3.971	0.068	3	1	1	9
PL.9602	PL.9601	C	#4 ACSR	7.40Y	123.4	0.00	1.60	7.76	6	56	14	97	0.00	0.0	3.982	0.011	0	0	0	8
PL.8887	PL.9602	C	#4 ACSR	7.40Y	123.4	0.01	1.61	7.20	6	52	13	97	0.00	0.0	4.019	0.037	12	3	2	7
PL.8289	PL.8887	C	#4 ACSR	7.40Y	123.4	0.01	1.63	5.48	4	39	10	97	0.00	0.0	4.067	0.048	0	0	1	5
PL.8290	PL.8289	C	#4 ACSR	7.40Y	123.4	0.00	1.63	1.49	1	11	3	96	0.00	0.0	4.094	0.026	11	3	1	1
PL.8292	PL.8289	C	#4 ACSR	7.40Y	123.4	0.00	1.63	2.17	2	16	4	97	0.00	0.0	4.140	0.073	10	2	1	2
PL.8293	PL.8292	C	#4 ACSR	7.40Y	123.4	0.00	1.63	0.83	1	6	2	95	0.00	0.0	4.284	0.144	6	2	1	1
PL.8291	PL.8289	C	#4 ACSR	7.40Y	123.4	0.00	1.63	1.82	1	13	3	97	0.00	0.0	4.147	0.079	13	3	1	1
PL.8288	PL.9602	C	#4 ACSR	7.40Y	123.4	0.00	1.61	0.56	0	4	1	97	0.00	0.0	4.048	0.066	4	1	1	1
PL.8886	PL.8280	ABC	#3/0 ACSR	7.41Y	123.5	0.21	1.49	146.19	49	3121	928	96	4.09	0.1	3.681	0.114	2	0	1	679
PL.8888	PL.8886	ABC	#3/0 ACSR	7.40Y	123.4	0.15	1.64	145.19	48	3095	917	96	2.88	0.1	3.763	0.082	21	5	2	671
PL.8889	PL.8888	ABC	#3/0 ACSR	7.39Y	123.2	0.17	1.81	144.24	48	3072	907	96	3.27	0.1	3.856	0.094	0	0	0	669
PL.9987	PL.8889	C	#4 ACSR	7.39Y	123.2	0.00	1.81	4.25	3	30	8	97	0.00	0.0	3.861	0.005	0	0	0	5
PD.1829	PL.9987	C	65T	7.39Y	123.2	0.00	1.81	4.25	0	30	8	97	0.00	0.0	3.861	0.005	0	0	0	5
PL.9988	PD.1829	C	#4 ACSR	7.39Y	123.2	0.01	1.82	4.25	3	30	8	97	0.00	0.0	3.907	0.046	11	3	1	5
PL.9607	PL.9988	C	#4 ACSR	7.39Y	123.2	0.00	1.82	2.73	2	20	5	97	0.00	0.0	3.941	0.034	11	3	1	4
PL.9606	PL.9607	C	#4 ACSR	7.39Y	123.2	0.00	1.83	1.25	1	9	2	98	0.00	0.0	3.967	0.026	9	2	3	3
PL.8890	PL.8889	ABC	#3/0 ACSR	7.39Y	123.1	0.08	1.90	142.82	48	3038	895	96	1.60	0.1	3.903	0.047	0	0	0	664
PL.9827	PL.8890	ABC	#3/0 ACSR	7.38Y	123.0	0.06	1.96	129.50	43	2767	762	96	0.98	0.0	3.938	0.035	5	1	1	663
PL.9828	PL.9827	ABC	#3/0 ACSR	7.38Y	123.0	0.01	1.97	129.25	43	2760	759	96	0.19	0.0	3.944	0.007	0	0	0	662
PL.10099	PL.9828	A	6 A (CWC)	7.38Y	123.0	0.00	1.97	25.63	18	183	47	97	0.00	0.0	3.947	0.003	0	0	0	52
PD.1850	PL.10099	A	50L	7.38Y	123.0	0.00	1.97	25.63	51	183	47	97	0.00	0.0	3.947	0.003	0	0	0	52
PL.10100	PD.1850	A	6 A (CWC)	7.38Y	123.0	0.02	1.99	25.63	18	183	47	97	0.02	0.0	3.962	0.015	8	2	1	52

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.9686	PL.10100	A	6 A (CWC)	7.38Y	122.9	0.08	2.07	24.47	17	175	45	97	0.10	0.1	4.034	0.072	2	0	1	51
PL.9687	PL.9686	A	6 A (CWC)	7.37Y	122.8	0.09	2.16	24.24	17	173	45	97	0.12	0.1	4.117	0.083	4	1	2	50
PL.9269	PL.9687	A	6 A (CWC)	7.37Y	122.8	0.05	2.21	23.63	17	169	43	97	0.06	0.0	4.163	0.047	3	1	1	48
PL.8892	PL.9269	A	6 A (CWC)	7.37Y	122.8	0.02	2.22	22.17	16	158	41	97	0.02	0.0	4.181	0.017	4	1	1	44
PL.9518	PL.8892	A	6 A (CWC)	7.36Y	122.7	0.07	2.29	21.62	15	154	40	97	0.07	0.0	4.254	0.073	23	6	4	43
PL.9521	PL.9518	A	6 A (CWC)	7.36Y	122.7	0.06	2.35	18.44	13	131	34	97	0.06	0.0	4.328	0.074	10	3	2	39
PL.9522	PL.9521	A	6 A (CWC)	7.36Y	122.6	0.03	2.38	17.00	12	121	31	97	0.03	0.0	4.367	0.039	0	0	0	37
PL.9523	PL.9522	A	6 A (CWC)	7.35Y	122.6	0.06	2.44	17.00	12	121	31	97	0.05	0.0	4.446	0.079	3	1	1	37
PL.9524	PL.9523	A	6 A (CWC)	7.35Y	122.4	0.13	2.57	16.59	12	118	30	97	0.12	0.1	4.622	0.176	0	0	0	36
PL.9525	PL.9524	A	6 A (CWC)	7.34Y	122.4	0.07	2.64	14.02	10	100	26	97	0.05	0.1	4.737	0.115	8	2	1	29
PL.9526	PL.9525	A	6 A (CWC)	7.33Y	122.2	0.14	2.78	12.85	9	91	23	97	0.09	0.1	4.984	0.247	7	2	2	28
PL.9528	PL.9526	A	6 A (CWC)	7.33Y	122.2	0.04	2.82	11.84	8	84	22	97	0.02	0.0	5.052	0.068	0	0	0	26
PL.8894	PL.9528	A	6 A (CWC)	7.33Y	122.2	0.03	2.85	6.36	5	45	12	97	0.01	0.0	5.155	0.103	0	0	0	14
PL.8367	PL.8894	A	#4 ACSR	7.33Y	122.2	0.00	2.85	0.57	0	4	1	97	0.00	0.0	5.202	0.047	4	1	2	2
PL.9274	PL.8894	A	6 A (CWC)	7.33Y	122.1	0.03	2.88	5.79	4	41	11	97	0.01	0.0	5.271	0.116	1	0	1	12
PL.10019	PL.9274	A	6 A (CWC)	7.33Y	122.1	0.00	2.88	1.78	1	13	3	97	0.00	0.0	5.276	0.005	0	0	0	3
PD.1640	PL.10019	A	20T	7.33Y	122.1	0.00	2.88	1.78	0	13	3	97	0.00	0.0	5.276	0.005	0	0	0	3
PL.10020	PD.1640	A	6 A (CWC)	7.33Y	122.1	0.01	2.89	1.78	1	13	3	97	0.00	0.0	5.452	0.176	0	0	0	3
PL.8781	PL.10020	A	6 A (CWC)	7.33Y	122.1	0.02	2.91	1.77	1	13	3	97	0.00	0.0	5.658	0.206	0	0	0	2
PL.8782	PL.8781	A	#4 ACSR	7.32Y	122.1	0.01	2.92	1.77	1	13	3	97	0.00	0.0	5.773	0.115	0	0	0	2
PL.9241	PL.8782	A	#4 ACSR	7.32Y	122.1	0.01	2.93	1.77	1	13	3	97	0.00	0.0	5.913	0.140	0	0	0	2
PL.8779	PL.9241	A	#4 ACSR	7.32Y	122.1	0.00	2.93	0.84	1	6	2	95	0.00	0.0	5.930	0.017	6	2	1	1
PL.9242	PL.9241	A	#4 ACSR	7.32Y	122.1	0.00	2.93	0.93	1	7	2	96	0.00	0.0	5.952	0.039	7	2	1	1
PL.8780	PL.8782	A	#4 ACSR	7.32Y	122.1	0.00	2.92	0.00	0	0	0	100	0.00	0.0	6.055	0.282	0	0	0	0
PL.9240	PL.10020	A	6 A (CWC)	7.33Y	122.1	0.00	2.89	0.01	0	0	0	100	0.00	0.0	5.512	0.060	0	0	1	1
PL.8433	PL.9274	A	6 A (CWC)	7.33Y	122.1	0.01	2.89	2.87	2	20	5	97	0.00	0.0	5.376	0.105	0	0	3	6
PL.8436	PL.8433	A	#2 ACSR	7.33Y	122.1	0.00	2.89	2.87	2	20	5	97	0.00	0.0	5.396	0.019	0	0	0	3
PL.8437	PL.8436	A	#2 ACSR	7.33Y	122.1	0.00	2.90	0.73	0	5	1	98	0.00	0.0	5.458	0.062	5	1	1	1
PL.8438	PL.8436	A	#2 ACSR	7.33Y	122.1	0.00	2.90	2.14	1	15	4	97	0.00	0.0	5.425	0.029	15	4	2	2
PL.9275	PL.9274	A	6 A (CWC)	7.33Y	122.1	0.00	2.88	0.95	1	7	2	96	0.00	0.0	5.352	0.081	0	0	0	2
PL.8895	PL.9275	A	6 A (CWC)	7.33Y	122.1	0.00	2.88	0.95	1	7	2	96	0.00	0.0	5.452	0.100	7	2	1	2

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.10153	PL.8895	A	#1/0 ACSR	7.33Y	122.1	0.00	2.88	0.00	0	0	0	100	0.00	0.0	5.539	0.087	0	0	1	1
PL.8435	PL.9275	A	#4 ACSR	7.33Y	122.1	0.00	2.88	0.00	0	0	0	100	0.00	0.0	5.414	0.062	0	0	0	0
PL.9273	PL.9528	A	6 A (CWC)	7.33Y	122.2	0.03	2.85	5.48	4	39	10	97	0.01	0.0	5.184	0.131	6	2	1	12
PL.9276	PL.9273	A	6 A (CWC)	7.33Y	122.1	0.01	2.86	3.89	3	28	7	97	0.00	0.0	5.237	0.053	4	1	1	9
PL.8364	PL.9276	A	6 A (CWC)	7.33Y	122.1	0.01	2.87	1.75	1	12	3	97	0.00	0.0	5.375	0.138	2	1	2	5
PL.8365	PL.8364	A	#4 ACSR	7.33Y	122.1	0.00	2.87	0.01	0	0	0	100	0.00	0.0	5.538	0.163	0	0	1	1
PL.9808	PL.8364	A	6 A (CWC)	7.33Y	122.1	0.00	2.87	1.42	1	10	3	96	0.00	0.0	5.437	0.062	0	0	0	2
PL.9809	PL.9808	A	6 A (CWC)	7.33Y	122.1	0.00	2.87	1.42	1	10	3	96	0.00	0.0	5.463	0.026	10	3	2	2
PL.9277	PL.9276	A	6 A (CWC)	7.33Y	122.1	0.00	2.86	1.52	1	11	3	96	0.00	0.0	5.266	0.029	11	3	3	3
PL.8363	PL.9273	A	#4 ACSR	7.33Y	122.2	0.00	2.85	0.68	1	5	1	98	0.00	0.0	5.195	0.012	0	0	0	2
PL.8366	PL.8363	A	#4 ACSR	7.33Y	122.1	0.00	2.85	0.68	1	5	1	98	0.00	0.0	5.233	0.038	5	1	2	2
PL.8359	PL.9524	A	#4 ACSR	7.34Y	122.4	0.01	2.59	2.57	2	18	5	96	0.00	0.0	4.750	0.128	0	0	0	7
PL.8361	PL.8359	A	#4 ACSR	7.34Y	122.4	0.00	2.59	0.42	0	3	1	95	0.00	0.0	4.807	0.057	1	0	2	3
PL.8362	PL.8361	A	#4 ACSR	7.34Y	122.4	0.00	2.59	0.31	0	2	1	89	0.00	0.0	4.860	0.054	2	1	1	1
PL.8893	PL.8359	A	#4 ACSR	7.34Y	122.4	0.00	2.59	2.15	2	15	4	97	0.00	0.0	4.776	0.026	15	4	4	4
PL.8360	PL.8359	A	#2 ACSR	7.34Y	122.4	0.00	2.59	0.00	0	0	0	100	0.00	0.0	4.789	0.039	0	0	0	0
PL.9519	PL.9269	A	#4 ACSR	7.37Y	122.8	0.00	2.21	1.03	1	7	2	96	0.00	0.0	4.266	0.102	3	1	2	3
PL.9520	PL.9519	A	#4 ACSR	7.37Y	122.8	0.00	2.21	0.60	0	4	1	97	0.00	0.0	4.409	0.143	4	1	1	1
PL.8356	PL.9687	A	#2 ACSR	7.37Y	122.8	0.00	2.16	0.00	0	0	0	100	0.00	0.0	4.157	0.040	0	0	0	0
PL.8891	PL.9828	ABC	#3/0 ACSR	7.38Y	122.9	0.11	2.07	120.71	40	2577	711	96	1.75	0.1	4.016	0.071	0	0	1	610
PL.8297	PL.8891	ABC	#3/0 ACSR	7.38Y	122.9	0.00	2.08	120.71	40	2575	709	96	0.03	0.0	4.017	0.001	0	0	0	609
PL.8416	PL.8297	ABC	#3/0 ACSR	7.38Y	122.9	0.00	2.08	120.71	40	2575	709	96	0.03	0.0	4.018	0.001	0	0	0	609
PL.8296	PL.8416	ABC	#3/0 ACSR	7.36Y	122.6	0.29	2.37	120.71	40	2575	709	96	4.66	0.2	4.209	0.190	0	0	0	609
PL.9243	PL.8296	ABC	#3/0 ACSR	7.35Y	122.5	0.18	2.55	120.59	40	2568	701	96	2.92	0.1	4.328	0.119	0	0	0	608
PL.9901	PL.9243	C	#4 ACSR	7.35Y	122.5	0.00	2.55	0.45	0	3	1	95	0.00	0.0	4.333	0.005	0	0	0	2
PD.1781	PL.9901	C	65T	7.35Y	122.5	0.00	2.55	0.45	0	3	1	95	0.00	0.0	4.333	0.005	0	0	0	2
PL.9902	PD.1781	C	#4 ACSR	7.35Y	122.4	0.00	2.55	0.45	0	3	1	95	0.00	0.0	4.410	0.078	1	0	1	2
PL.9577	PL.9902	C	#4 ACSR	7.35Y	122.4	0.00	2.55	0.30	0	2	1	89	0.00	0.0	4.453	0.043	2	1	1	1
PL.9578	PL.9577	C	#4 ACSR	7.35Y	122.4	0.00	2.55	0.00	0	0	0	100	0.00	0.0	4.513	0.060	0	0	0	0
PL.8298	PL.9243	ABC	#3/0 ACSR	7.34Y	122.3	0.17	2.72	120.44	40	2562	696	97	2.69	0.1	4.438	0.110	0	0	0	606
PL.8896	PL.8298	ABC	#3/0 ACSR	7.32Y	122.0	0.24	2.95	120.26	40	2555	691	97	3.79	0.1	4.594	0.156	0	0	0	605

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.8302	PL.8896	ABC	336 MCM AC	7.32Y	121.9	0.12	3.07	73.60	14	1560	427	96	1.02	0.1	4.819	0.224	0	0	0	394
PL.10045	PL.8302	A	#1/0 ACSR	7.32Y	121.9	0.00	3.07	1.67	1	12	3	97	0.00	0.0	4.823	0.005	0	0	0	1
PD.1653	PL.10045	A	65T	7.32Y	121.9	0.00	3.07	1.67	0	12	3	97	0.00	0.0	4.823	0.005	0	0	0	1
PL.10046	PD.1653	A	#1/0 ACSR	7.32Y	121.9	0.00	3.07	1.67	1	12	3	97	0.00	0.0	4.839	0.016	12	3	1	1
PL.10127	PL.8302	ABC	336 MCM AC	7.31Y	121.9	0.03	3.10	73.04	14	1547	421	96	0.23	0.0	4.870	0.052	0	0	0	393
PD.1864	PL.10127	ABC	100L	7.31Y	121.9	0.00	3.10	73.04	73	1546	421	96	0.00	0.0	4.870	0.052	0	0	0	393
PL.10128	PD.1864	ABC	336 MCM AC	7.31Y	121.8	0.05	3.15	73.04	14	1546	421	96	0.43	0.0	4.966	0.096	10	3	2	393
PL.9579	PL.10128	ABC	336 MCM AC	7.31Y	121.8	0.08	3.23	72.55	14	1536	417	97	0.68	0.0	5.119	0.153	0	0	0	391
PL.9572	PL.9579	C	#1/0 ACSR	7.31Y	121.8	0.00	3.23	3.05	1	22	6	96	0.00	0.0	5.134	0.015	10	3	3	5
PL.10041	PL.9572	C	#1/0 ACSR	7.31Y	121.8	0.00	3.24	1.65	1	12	3	97	0.00	0.0	5.138	0.005	0	0	0	2
PD.1651	PL.10041	C	40T	7.31Y	121.8	0.00	3.24	1.65	0	12	3	97	0.00	0.0	5.138	0.005	0	0	0	2
PL.10042	PD.1651	C	#1/0 ACSR	7.31Y	121.8	0.00	3.24	1.65	1	12	3	97	0.00	0.0	5.162	0.024	5	1	1	2
PL.9573	PL.10042	C	#1/0 ACSR	7.31Y	121.8	0.00	3.24	0.95	0	7	2	96	0.00	0.0	5.219	0.056	7	2	1	1
PL.8547	PL.9579	ABC	336 MCM AC	7.30Y	121.7	0.05	3.28	71.53	14	1513	410	97	0.41	0.0	5.215	0.096	12	3	2	386
PL.8548	PL.8547	A	#1/0 ACSR	7.30Y	121.7	0.00	3.28	5.40	2	38	10	97	0.00	0.0	5.219	0.004	0	0	0	7
PD.1779	PL.8548	A	40T	7.30Y	121.7	0.00	3.28	5.40	0	38	10	97	0.00	0.0	5.219	0.004	0	0	0	7
PL.9262	PD.1779	A	6 A (CWC)	7.30Y	121.7	0.00	3.29	3.31	2	23	6	97	0.00	0.0	5.221	0.003	0	0	0	6
PL.9568	PL.9262	A	6 A (CWC)	7.30Y	121.7	0.02	3.30	3.31	2	23	6	97	0.00	0.0	5.366	0.145	7	2	2	6
PL.9569	PL.9568	A	6 A (CWC)	7.30Y	121.7	0.01	3.31	2.37	2	17	4	97	0.00	0.0	5.462	0.096	17	4	4	4
PL.9145	PD.1779	A	#1/0 ACSR	7.30Y	121.7	0.00	3.29	2.09	1	15	4	97	0.00	0.0	5.292	0.074	15	4	1	1
PL.8920	PL.8547	ABC	336 MCM AC	7.30Y	121.6	0.07	3.35	69.15	13	1462	396	97	0.55	0.0	5.351	0.136	10	3	1	377
PL.9571	PL.8920	ABC	336 MCM AC	7.29Y	121.6	0.07	3.42	68.67	13	1452	392	97	0.55	0.0	5.489	0.138	0	0	0	376
PL.8554	PL.9571	ABC	#1/0 ACSR	7.29Y	121.6	0.00	3.42	0.00	0	0	0	100	0.00	0.0	5.516	0.027	0	0	0	0
PL.8550	PL.9571	ABC	#1/0 ACSR	7.29Y	121.6	0.02	3.45	68.67	30	1451	391	97	0.24	0.0	5.509	0.019	0	0	0	376
PL.8551	PL.8550	C	6 A (CWC)	7.29Y	121.6	0.00	3.45	2.42	2	17	4	97	0.00	0.0	5.513	0.004	0	0	0	1
PD.1778	PL.8551	C	40T	7.29Y	121.6	0.00	3.45	2.42	0	17	4	97	0.00	0.0	5.513	0.004	0	0	0	1
PL.9264	PD.1778	C	6 A (CWC)	7.29Y	121.6	0.00	3.45	0.00	0	0	0	100	0.00	0.0	5.517	0.005	0	0	0	0
PL.8552	PL.9264	C	6 A (CWC)	7.29Y	121.6	0.00	3.45	0.00	0	0	0	100	0.00	0.0	5.574	0.056	0	0	0	0
PL.9146	PD.1778	C	6 A (CWC)	7.29Y	121.5	0.00	3.45	2.42	2	17	4	97	0.00	0.0	5.557	0.044	17	4	1	1
PL.8921	PL.8550	ABC	#1/0 ACSR	7.28Y	121.4	0.15	3.60	67.87	30	1434	386	97	1.50	0.1	5.631	0.122	0	0	0	375
PL.8553	PL.8921	C	6 A (CWC)	7.27Y	121.1	0.27	3.86	34.42	25	243	63	97	0.49	0.2	5.800	0.170	0	0	0	61

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: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.8923	PL.8553	C	6 A (CWC)	7.27Y	121.1	0.00	3.87	34.42	25	242	63	97	0.01	0.0	5.803	0.003	0	0	0	61
PD.1849	PL.8923	C	50L	7.27Y	121.1	0.00	3.87	34.42	69	242	63	97	0.00	0.0	5.803	0.003	0	0	0	61
PL.9266	PD.1849	C	#4 ACSR	7.27Y	121.1	0.00	3.87	0.54	0	4	1	97	0.00	0.0	5.808	0.005	0	0	0	2
PL.8586	PL.9266	C	#4 ACSR	7.27Y	121.1	0.00	3.87	0.54	0	4	1	97	0.00	0.0	5.861	0.053	4	1	2	2
PL.9031	PD.1849	C	6 A (CWC)	7.26Y	121.0	0.14	4.01	33.88	24	238	62	97	0.26	0.1	5.897	0.094	2	0	1	59
PL.9032	PL.9031	C	6 A (CWC)	7.25Y	120.9	0.09	4.11	33.64	24	236	61	97	0.17	0.1	5.960	0.063	12	3	3	58
PL.9029	PL.9032	C	6 A (CWC)	7.25Y	120.8	0.09	4.20	31.95	23	224	58	97	0.16	0.1	6.023	0.063	0	0	0	55
PL.9030	PL.9029	C	6 A (CWC)	7.24Y	120.6	0.17	4.37	31.95	23	224	58	97	0.29	0.1	6.143	0.120	8	2	3	55
PL.9564	PL.9030	C	6 A (CWC)	7.24Y	120.6	0.01	4.38	5.35	4	38	10	97	0.00	0.0	6.176	0.033	7	2	2	9
PL.9565	PL.9564	C	6 A (CWC)	7.24Y	120.6	0.01	4.38	4.38	3	31	8	97	0.00	0.0	6.224	0.048	8	2	1	7
PL.8924	PL.9565	C	6 A (CWC)	7.24Y	120.6	0.00	4.39	1.24	1	9	2	98	0.00	0.0	6.278	0.054	9	2	1	3
PL.9574	PL.8924	C	#4 ACSR	7.24Y	120.6	0.00	4.39	0.01	0	0	0	100	0.00	0.0	6.304	0.026	0	0	2	2
PL.9575	PL.9574	C	#4 ACSR	7.24Y	120.6	0.00	4.39	0.00	0	0	0	100	0.00	0.0	6.353	0.049	0	0	0	0
PL.8588	PL.9565	C	#1/0 ACSR	7.24Y	120.6	0.00	4.39	2.06	1	14	4	96	0.00	0.0	6.275	0.050	14	4	3	3
PL.9033	PL.9030	C	#2 ACSR	7.24Y	120.6	0.03	4.40	25.49	15	179	46	97	0.04	0.0	6.179	0.036	2	0	1	43
PL.9034	PL.9033	C	#2 ACSR	7.23Y	120.4	0.17	4.57	25.26	14	177	46	97	0.23	0.1	6.402	0.223	2	1	1	42
PL.9589	PL.9034	C	#2 ACSR	7.22Y	120.4	0.03	4.60	23.85	14	167	43	97	0.03	0.0	6.436	0.035	9	2	1	39
PL.9590	PL.9589	C	#2 ACSR	7.22Y	120.4	0.02	4.62	22.55	13	158	41	97	0.03	0.0	6.471	0.034	5	1	2	38
PL.9582	PL.9590	C	#2 ACSR	7.22Y	120.3	0.10	4.72	21.84	12	153	39	97	0.12	0.1	6.622	0.151	1	0	1	36
PL.9583	PL.9582	C	6 A (CWC)	7.21Y	120.2	0.08	4.81	21.72	16	152	39	97	0.10	0.1	6.705	0.084	1	0	1	35
PL.9584	PL.9583	C	6 A (CWC)	7.21Y	120.2	0.02	4.83	21.63	15	151	39	97	0.03	0.0	6.728	0.023	3	1	2	34
PL.10051	PL.9584	C	6 A (CWC)	7.21Y	120.2	0.00	4.83	16.35	12	114	29	97	0.00	0.0	6.732	0.004	0	0	0	21
PD.1656	PL.10051	C	15T	7.21Y	120.2	0.00	4.83	16.35	0	114	29	97	0.00	0.0	6.732	0.004	0	0	0	21
PL.10052	PD.1656	C	6 A (CWC)	7.21Y	120.1	0.07	4.90	16.35	12	114	29	97	0.06	0.1	6.832	0.099	7	2	2	21
PL.9588	PL.10052	C	6 A (CWC)	7.20Y	120.0	0.06	4.96	15.41	11	108	28	97	0.05	0.0	6.913	0.081	0	0	0	19
PL.8590	PL.9588	C	#1/0 ACSR	7.20Y	120.0	0.00	4.96	0.27	0	2	0	100	0.00	0.0	6.955	0.042	2	0	1	1
PL.9591	PL.9588	C	6 A (CWC)	7.20Y	120.0	0.05	5.01	15.14	11	106	27	97	0.04	0.0	6.992	0.079	1	0	1	18
PL.9592	PL.9591	C	6 A (CWC)	7.19Y	119.8	0.14	5.15	14.94	11	104	27	97	0.11	0.1	7.206	0.213	7	2	1	17
PL.9594	PL.9592	C	6 A (CWC)	7.19Y	119.8	0.04	5.20	13.97	10	97	25	97	0.03	0.0	7.270	0.065	0	0	0	16
PL.8591	PL.9594	C	#2 ACSR	7.19Y	119.8	0.00	5.20	1.99	1	14	4	96	0.00	0.0	7.306	0.035	14	4	2	2
PL.8928	PL.9594	C	6 A (CWC)	7.19Y	119.8	0.02	5.22	11.98	9	83	21	97	0.01	0.0	7.320	0.050	20	5	2	14

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.8390	PL.8928	C	#1/0 ACSR	7.19Y	119.8	0.00	5.22	0.51	0	4	1	97	0.00	0.0	7.360	0.040	4	1	1	1
PL.8929	PL.8928	C	6 A (CWC)	7.18Y	119.7	0.07	5.28	8.66	6	60	15	97	0.03	0.0	7.489	0.169	2	1	1	11
PL.8592	PL.8929	C	#1/0 ACSR	7.18Y	119.7	0.00	5.29	1.83	1	13	3	97	0.00	0.0	7.541	0.053	13	3	1	1
PL.9595	PL.8929	C	6 A (CWC)	7.18Y	119.7	0.01	5.30	6.47	5	45	12	97	0.00	0.0	7.542	0.053	12	3	2	9
PL.9596	PL.9595	C	6 A (CWC)	7.18Y	119.7	0.01	5.31	4.71	3	33	8	97	0.00	0.0	7.593	0.051	0	0	1	7
PL.8593	PL.9596	C	6 A (CWC)	7.18Y	119.7	0.00	5.31	0.75	1	5	1	98	0.00	0.0	7.646	0.053	0	0	0	1
PL.8391	PL.8593	C	#2 ACSR	7.18Y	119.7	0.00	5.31	0.75	0	5	1	98	0.00	0.0	7.674	0.028	5	1	1	1
PL.8392	PL.8391	C	#1/0 ACSR	7.18Y	119.7	0.00	5.31	0.00	0	0	0	100	0.00	0.0	7.749	0.074	0	0	0	0
PL.8930	PL.9596	C	6 A (CWC)	7.18Y	119.7	0.02	5.33	3.94	3	27	7	97	0.00	0.0	7.690	0.097	2	1	1	5
PL.8594	PL.8930	C	#2 ACSR	7.18Y	119.7	0.00	5.33	1.47	1	10	3	96	0.00	0.0	7.757	0.067	10	3	1	1
PL.8393	PL.8930	C	#2 ACSR	7.18Y	119.7	0.00	5.33	1.27	1	9	2	98	0.00	0.0	7.740	0.050	0	0	1	2
PL.8394	PL.8393	C	#1/0 ACSR	7.18Y	119.7	0.00	5.33	1.27	1	9	2	98	0.00	0.0	7.801	0.061	9	2	1	1
PL.33078	PL.8930	C	#1/0 ACSR	7.18Y	119.7	0.00	5.33	0.92	0	6	2	95	0.00	0.0	7.750	0.060	6	2	1	1
PL.9585	PL.9584	C	6 A (CWC)	7.21Y	120.2	0.01	4.84	4.82	3	34	9	97	0.00	0.0	6.769	0.041	13	3	2	11
PL.9586	PL.9585	C	6 A (CWC)	7.21Y	120.2	0.00	4.84	3.01	2	21	5	97	0.00	0.0	6.795	0.026	0	0	0	9
PL.9587	PL.9586	C	6 A (CWC)	7.21Y	120.2	0.01	4.85	3.01	2	21	5	97	0.00	0.0	6.886	0.091	5	1	1	9
PL.9580	PL.9587	C	6 A (CWC)	7.21Y	120.1	0.00	4.85	0.76	1	5	1	98	0.00	0.0	6.988	0.102	1	0	2	7
PL.9581	PL.9580	C	6 A (CWC)	7.21Y	120.1	0.00	4.86	0.55	0	4	1	97	0.00	0.0	7.156	0.168	0	0	0	5
PL.8396	PL.9581	C	#1/0 ACSR	7.21Y	120.1	0.00	4.86	0.13	0	1	0	100	0.00	0.0	7.409	0.253	1	0	1	1
PL.8925	PL.9581	C	6 A (CWC)	7.21Y	120.1	0.00	4.86	0.42	0	3	1	95	0.00	0.0	7.264	0.108	0	0	0	4
PL.8926	PL.8925	C	6 A (CWC)	7.21Y	120.1	0.00	4.86	0.42	0	3	1	95	0.00	0.0	7.520	0.256	1	0	1	4
PL.8399	PL.8926	C	6 A (CWC)	7.21Y	120.1	0.00	4.86	0.31	0	2	1	89	0.00	0.0	7.559	0.038	0	0	0	3
PL.9759	PL.8399	C	#1/0 ACSR	7.21Y	120.1	0.00	4.86	0.31	0	2	1	89	0.00	0.0	7.668	0.109	2	1	2	3
PL.9760	PL.9759	C	#1/0 ACSR	7.21Y	120.1	0.00	4.86	0.00	0	0	0	100	0.00	0.0	7.892	0.224	0	0	0	1
PL.8927	PL.9760	C	#1/0 ACSR	7.21Y	120.1	0.00	4.86	0.00	0	0	0	100	0.00	0.0	7.944	0.052	0	0	0	0
PD.1629-B	PL.8927	C	Open	7.21Y	120.1	0.00	4.86	0.00	0	0	0	100	0.00	0.0	7.944	0.052	0	0	0	0
PL.8401	PL.9760	C	#2 ACSR	7.21Y	120.1	0.00	4.86	0.00	0	0	0	100	0.00	0.0	7.924	0.032	0	0	1	1
PL.8398	PL.8925	C	6 A (CWC)	7.21Y	120.1	0.00	4.86	0.00	0	0	0	100	0.00	0.0	7.406	0.142	0	0	0	0
PL.8395	PL.9587	C	#1/0 ACSR	7.21Y	120.1	0.00	4.85	1.51	1	11	3	96	0.00	0.0	6.945	0.059	11	3	1	1
PL.8589	PL.9034	C	#4 ACSR	7.23Y	120.4	0.00	4.57	1.10	1	8	2	97	0.00	0.0	6.446	0.044	8	2	2	2
PL.8587	PL.9032	C	#4 ACSR	7.25Y	120.9	0.00	4.11	0.00	0	0	0	100	0.00	0.0	5.987	0.027	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: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.8922	PL.8921	ABC	#1/0 ACSR	7.27Y	121.2	0.16	3.76	56.39	25	1190	322	97	1.34	0.1	5.789	0.158	0	0	0	314
PL.9893	PL.8922	ABC	#1/0 ACSR	7.27Y	121.1	0.10	3.85	56.39	25	1188	320	97	0.82	0.1	5.885	0.096	0	0	0	314
PL.9894	PL.9893	ABC	#1/0 ACSR	7.26Y	121.0	0.12	3.97	56.39	25	1187	320	97	0.97	0.1	5.999	0.114	0	0	0	314
PL.8931	PL.9894	ABC	#1/0 ACSR	7.26Y	120.9	0.09	4.06	56.39	25	1186	319	97	0.73	0.1	6.086	0.086	0	0	0	314
PL.9882	PL.8931	B	#1/0 ACSR	7.26Y	120.9	0.00	4.06	0.24	0	2	0	100	0.00	0.0	6.090	0.004	0	0	0	1
PD.1776	PL.9882	B	40T	7.26Y	120.9	0.00	4.06	0.24	0	2	0	100	0.00	0.0	6.090	0.004	0	0	0	1
PL.9883	PD.1776	B	#1/0 ACSR	7.26Y	120.9	0.00	4.06	0.24	0	2	0	100	0.00	0.0	6.109	0.020	2	0	1	1
PL.8932	PL.8931	ABC	#1/0 ACSR	7.25Y	120.9	0.06	4.12	56.31	24	1184	318	97	0.53	0.0	6.148	0.062	0	0	0	313
PL.9024	PL.8932	ABC	#1/0 ACSR	7.25Y	120.8	0.06	4.18	56.18	24	1181	316	97	0.52	0.0	6.210	0.062	6	1	6	312
PL.9025	PL.9024	ABC	#1/0 ACSR	7.25Y	120.8	0.06	4.25	55.92	24	1175	315	97	0.53	0.0	6.274	0.065	9	2	4	306
PL.9026	PL.9025	ABC	#1/0 ACSR	7.24Y	120.7	0.02	4.27	55.49	24	1165	312	97	0.18	0.0	6.296	0.022	5	1	2	302
PL.9027	PL.9026	ABC	#1/0 ACSR	7.24Y	120.6	0.09	4.36	55.23	24	1159	310	97	0.71	0.1	6.384	0.088	0	0	0	300
PL.8384	PL.9027	A	6 A (CWC)	7.24Y	120.6	0.00	4.36	0.36	0	3	1	95	0.00	0.0	6.389	0.005	0	0	0	3
PD.1774	PL.8384	A	40T	7.24Y	120.6	0.00	4.36	0.36	0	3	1	95	0.00	0.0	6.389	0.005	0	0	0	3
PL.8385	PD.1774	A	6 A (CWC)	7.24Y	120.6	0.00	4.36	0.36	0	3	1	95	0.00	0.0	6.424	0.035	0	0	1	3
PL.9821	PL.8385	A	6 A (CWC)	7.24Y	120.6	0.00	4.36	0.34	0	2	1	89	0.00	0.0	6.496	0.072	2	1	2	2
PL.9822	PL.9821	A	6 A (CWC)	7.24Y	120.6	0.00	4.36	0.00	0	0	0	100	0.00	0.0	6.510	0.014	0	0	0	0
PL.9023	PL.9822	A	6 A (CWC)	7.24Y	120.6	0.00	4.36	0.00	0	0	0	100	0.00	0.0	6.887	0.378	0	0	0	0
PL.9567	PL.9023	A	6 A (CWC)	7.24Y	120.6	0.00	4.36	0.00	0	0	0	100	0.00	0.0	7.198	0.311	0	0	0	0
PL.8933	PL.9027	ABC	#1/0 ACSR	7.23Y	120.5	0.12	4.47	55.11	24	1156	309	97	0.94	0.1	6.501	0.117	8	2	1	297
PL.9022	PL.8933	ABC	#1/0 ACSR	7.23Y	120.5	0.07	4.54	54.71	24	1147	306	97	0.54	0.0	6.569	0.068	0	0	0	296
PL.8386	PL.9022	B	#4 ACSR	7.23Y	120.5	0.00	4.54	1.15	1	8	2	97	0.00	0.0	6.573	0.004	0	0	0	1
PD.1775	PL.8386	B	40T	7.23Y	120.5	0.00	4.54	1.15	0	8	2	97	0.00	0.0	6.573	0.004	0	0	0	1
PL.9881	PD.1775	B	#4 ACSR	7.23Y	120.5	0.00	4.54	1.15	1	8	2	97	0.00	0.0	6.628	0.055	8	2	1	1
PL.8934	PL.9022	ABC	#1/0 ACSR	7.22Y	120.4	0.09	4.63	54.33	24	1138	303	97	0.75	0.1	6.664	0.095	0	0	0	295
PL.9816	PL.8934	ABC	#1/0 ACSR	7.22Y	120.3	0.02	4.65	14.08	6	295	76	97	0.04	0.0	6.746	0.082	3	1	2	103
PL.10131	PL.9816	ABC	#1/0 ACSR	7.22Y	120.3	0.01	4.66	13.93	6	292	75	97	0.02	0.0	6.785	0.039	0	0	0	101
PD.1866	PL.10131	ABC	35L	7.22Y	120.3	0.00	4.66	13.93	40	292	75	97	0.00	0.0	6.785	0.039	0	0	0	101
PL.9886	PD.1866	ABC	#1/0 ACSR	7.22Y	120.3	0.02	4.68	13.93	6	292	75	97	0.04	0.0	6.869	0.084	1	0	1	101
PL.8555	PL.9886	ABC	#1/0 ACSR	7.22Y	120.3	0.01	4.70	13.89	6	291	75	97	0.03	0.0	6.925	0.056	0	0	0	100
PL.8936	PL.8555	ABC	#1/0 ACSR	7.22Y	120.3	0.03	4.72	13.29	6	279	72	97	0.05	0.0	7.037	0.112	0	0	0	97

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.8937	PL.8936	ABC	#1/0 ACSR	7.21Y	120.2	0.04	4.76	13.13	6	275	71	97	0.07	0.0	7.199	0.162	0	0	0	96
PL.8938	PL.8937	ABC	#1/0 ACSR	7.21Y	120.2	0.01	4.77	12.52	5	262	68	97	0.02	0.0	7.238	0.039	0	0	0	90
PL.8940	PL.8938	ABC	#1/0 ACSR	7.21Y	120.2	0.01	4.78	12.34	5	259	67	97	0.02	0.0	7.286	0.047	0	0	0	89
PL.9955	PL.8940	C	#2 ACSR	7.21Y	120.2	0.00	4.78	2.89	2	20	5	97	0.00	0.0	7.290	0.004	0	0	0	4
PD.1810	PL.9955	C	15T	7.21Y	120.2	0.00	4.78	2.89	0	20	5	97	0.00	0.0	7.290	0.004	0	0	0	4
PL.9956	PD.1810	C	#2 ACSR	7.21Y	120.2	0.00	4.78	2.89	2	20	5	97	0.00	0.0	7.312	0.022	6	2	1	4
PL.8402	PL.9956	C	#2 ACSR	7.21Y	120.2	0.00	4.78	0.16	0	1	0	100	0.00	0.0	7.332	0.020	1	0	1	1
PL.8403	PL.9956	C	#2 ACSR	7.21Y	120.2	0.00	4.78	0.78	0	5	1	98	0.00	0.0	7.329	0.017	5	1	1	1
PL.8404	PL.9956	C	#2 ACSR	7.21Y	120.2	0.00	4.78	1.07	1	7	2	96	0.00	0.0	7.401	0.090	7	2	1	1
PL.9754	PL.8940	ABC	#1/0 ACSR	7.21Y	120.2	0.01	4.79	11.37	5	238	61	97	0.02	0.0	7.359	0.073	5	1	1	85
PL.9755	PL.9754	ABC	#1/0 ACSR	7.21Y	120.2	0.02	4.81	11.16	5	234	60	97	0.03	0.0	7.457	0.098	0	0	0	84
PL.8941	PL.9755	ABC	#1/0 ACSR	7.21Y	120.2	0.01	4.82	10.47	5	219	57	97	0.01	0.0	7.509	0.052	11	3	2	81
PL.8942	PL.8941	ABC	#1/0 ACSR	7.21Y	120.1	0.03	4.85	9.76	4	204	53	97	0.05	0.0	7.690	0.182	0	0	0	78
PL.8943	PL.8942	ABC	#1/0 ACSR	7.21Y	120.1	0.02	4.87	9.66	4	202	52	97	0.02	0.0	7.780	0.090	0	0	0	77
PL.9947	PL.8943	C	6 A (CWC)	7.21Y	120.1	0.00	4.87	0.60	0	4	1	97	0.00	0.0	7.784	0.004	0	0	0	2
PD.1806	PL.9947	C	15T	7.21Y	120.1	0.00	4.87	0.60	0	4	1	97	0.00	0.0	7.784	0.004	0	0	0	2
PL.9948	PD.1806	C	6 A (CWC)	7.21Y	120.1	0.00	4.87	0.60	0	4	1	97	0.00	0.0	7.812	0.028	0	0	0	2
PL.8406	PL.9948	C	6 A (CWC)	7.21Y	120.1	0.00	4.87	0.25	0	2	0	100	0.00	0.0	7.847	0.035	2	0	1	1
PL.8945	PL.9948	C	6 A (CWC)	7.21Y	120.1	0.00	4.87	0.35	0	2	1	89	0.00	0.0	7.890	0.078	2	1	1	1
PL.8944	PL.8943	ABC	#1/0 ACSR	7.20Y	120.1	0.05	4.92	9.46	4	198	51	97	0.07	0.0	8.094	0.314	10	3	2	75
PL.9973	PL.8944	A	#2 ACSR	7.20Y	120.1	0.00	4.92	4.67	3	33	8	97	0.00	0.0	8.099	0.005	0	0	0	10
PD.1819	PL.9973	A	15T	7.20Y	120.1	0.00	4.92	4.67	0	33	8	97	0.00	0.0	8.099	0.005	0	0	0	10
PL.9974	PD.1819	A	#2 ACSR	7.20Y	120.1	0.01	4.93	4.67	3	33	8	97	0.00	0.0	8.136	0.038	0	0	1	10
PL.8704	PL.9974	A	#1/0 ACSR	7.20Y	120.0	0.03	4.96	4.61	2	32	8	97	0.01	0.0	8.423	0.287	0	0	0	9
PL.9248	PL.8704	A	#1/0 ACSR	7.20Y	120.0	0.01	4.97	2.35	1	16	4	97	0.00	0.0	8.562	0.138	0	0	0	7
PL.9751	PL.9248	A	#1/0 ACSR	7.20Y	120.0	0.00	4.97	1.78	1	12	3	97	0.00	0.0	8.645	0.084	0	0	1	5
PL.9752	PL.9751	A	#1/0 ACSR	7.20Y	120.0	0.00	4.97	1.73	1	12	3	97	0.00	0.0	8.693	0.048	1	0	2	4
PL.9753	PL.9752	A	#1/0 ACSR	7.20Y	120.0	0.01	4.98	1.58	1	11	3	96	0.00	0.0	8.949	0.256	3	1	1	2
PL.9757	PL.9753	A	#1/0 ACSR	7.20Y	120.0	0.00	4.98	1.14	0	8	2	97	0.00	0.0	9.138	0.189	0	0	0	1
PL.8702	PL.9757	A	#2 ACSR	7.20Y	120.0	0.00	4.98	1.14	1	8	2	97	0.00	0.0	9.157	0.018	8	2	1	1
PL.9249	PL.9757	A	#1/0 ACSR	7.20Y	120.0	0.00	4.98	0.00	0	0	0	100	0.00	0.0	9.180	0.042	0	0	0	0

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.8700	PL.9248	A	#4 ACSR	7.20Y	120.0	0.00	4.97	0.57	0	4	1	97	0.00	0.0	8.591	0.029	4	1	2	2
PL.9749	PL.8704	A	#2 ACSR	7.20Y	120.0	0.00	4.96	2.26	1	16	4	97	0.00	0.0	8.435	0.011	0	0	0	2
PL.9750	PL.9749	A	#2 ACSR	7.20Y	120.0	0.00	4.96	2.26	1	16	4	97	0.00	0.0	8.474	0.039	16	4	2	2
PL.9745	PL.8944	ABC	#1/0 ACSR	7.20Y	120.1	0.01	4.93	7.41	3	155	40	97	0.01	0.0	8.147	0.053	1	0	1	63
PL.9746	PL.9745	ABC	#1/0 ACSR	7.20Y	120.1	0.01	4.94	7.37	3	154	40	97	0.01	0.0	8.204	0.057	2	0	2	62
PL.9945	PL.9746	C	#2 ACSR	7.20Y	120.1	0.01	4.94	5.04	3	35	9	97	0.00	0.0	8.249	0.045	0	0	0	7
PD.1805	PL.9945	C	15T	7.20Y	120.1	0.00	4.94	5.04	0	35	9	97	0.00	0.0	8.249	0.045	0	0	0	7
PL.9946	PD.1805	C	#2 ACSR	7.20Y	120.1	0.00	4.95	5.04	3	35	9	97	0.00	0.0	8.282	0.033	18	5	3	7
PL.9744	PL.9946	C	#2 ACSR	7.20Y	120.0	0.01	4.95	2.44	1	17	4	97	0.00	0.0	8.385	0.103	7	2	1	4
PL.8668	PL.9744	C	#2 ACSR	7.20Y	120.0	0.00	4.96	1.44	1	10	3	96	0.00	0.0	8.483	0.098	4	1	1	3
PL.8669	PL.8668	C	#2 ACSR	7.20Y	120.0	0.00	4.96	0.90	1	6	2	95	0.00	0.0	8.626	0.144	3	1	1	2
PL.9748	PL.8669	C	#2 ACSR	7.20Y	120.0	0.00	4.96	0.48	0	3	1	95	0.00	0.0	9.229	0.602	3	1	1	1
PL.8946	PL.9746	ABC	#1/0 ACSR	7.20Y	120.1	0.00	4.94	5.61	2	117	30	97	0.00	0.0	8.243	0.039	0	0	0	53
PL.8667	PL.8946	B	#1/0 ACSR	7.20Y	120.0	0.02	4.96	16.84	7	117	30	97	0.02	0.0	8.301	0.058	0	0	0	53
PL.8689	PL.8667	B	#4 ACSR	7.20Y	120.0	0.00	4.96	0.61	0	4	1	97	0.00	0.0	8.347	0.046	4	1	2	2
PL.8690	PL.8689	B	#1/0 ACSR	7.20Y	120.0	0.00	4.96	0.00	0	0	0	100	0.00	0.0	8.393	0.045	0	0	0	0
PL.8947	PL.8667	B	#1/0 ACSR	7.20Y	120.0	0.07	5.04	16.23	7	113	29	97	0.06	0.1	8.494	0.193	0	0	0	51
PL.8948	PL.8947	B	#1/0 ACSR	7.20Y	119.9	0.04	5.08	15.89	7	111	29	97	0.03	0.0	8.597	0.103	4	1	1	48
PL.8691	PL.8948	B	#1/0 ACSR	7.19Y	119.9	0.04	5.12	15.33	7	107	28	97	0.03	0.0	8.714	0.117	8	2	2	47
PL.9738	PL.8691	B	#4 ACSR	7.19Y	119.9	0.01	5.12	2.26	2	16	4	97	0.00	0.0	8.771	0.057	2	1	1	4
PL.9739	PL.9738	B	#4 ACSR	7.19Y	119.9	0.00	5.13	1.98	2	14	4	96	0.00	0.0	8.855	0.084	10	3	1	3
PL.9740	PL.9739	B	#4 ACSR	7.19Y	119.9	0.00	5.13	0.56	0	4	1	97	0.00	0.0	8.894	0.039	1	0	1	2
PL.9741	PL.9740	B	#4 ACSR	7.19Y	119.9	0.00	5.13	0.45	0	3	1	95	0.00	0.0	9.006	0.113	3	1	1	1
PL.8950	PL.8691	B	#1/0 ACSR	7.19Y	119.9	0.03	5.15	11.96	5	83	21	97	0.02	0.0	8.823	0.109	0	0	0	41
PL.8695	PL.8950	B	#4 ACSR	7.19Y	119.9	0.00	5.15	0.00	0	0	0	100	0.00	0.0	8.874	0.051	0	0	1	1
PL.8951	PL.8950	B	#1/0 ACSR	7.19Y	119.8	0.03	5.17	11.96	5	83	21	97	0.01	0.0	8.912	0.089	0	0	1	40
PL.9943	PL.8951	B	#4 ACSR	7.19Y	119.8	0.00	5.17	1.12	1	8	2	97	0.00	0.0	8.916	0.005	0	0	0	4
PD.1804	PL.9943	B	15T	7.19Y	119.8	0.00	5.17	1.12	0	8	2	97	0.00	0.0	8.916	0.005	0	0	0	4
PL.9944	PD.1804	B	#4 ACSR	7.19Y	119.8	0.01	5.18	1.12	1	8	2	97	0.00	0.0	9.071	0.155	1	0	1	4
PL.9736	PL.9944	B	#4 ACSR	7.19Y	119.8	0.00	5.18	0.61	0	4	1	97	0.00	0.0	9.145	0.074	2	0	1	2
PL.9737	PL.9736	B	#4 ACSR	7.19Y	119.8	0.00	5.18	0.33	0	2	1	89	0.00	0.0	9.195	0.050	2	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: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.9734	PL.9944	B	#4 ACSR	7.19Y	119.8	0.00	5.18	0.39	0	3	1	95	0.00	0.0	9.254	0.183	0	0	0	1
PL.9735	PL.9734	B	#4 ACSR	7.19Y	119.8	0.00	5.19	0.39	0	3	1	95	0.00	0.0	9.544	0.290	3	1	1	1
PL.8692	PL.8951	B	#1/0 ACSR	7.19Y	119.8	0.03	5.21	10.78	5	75	19	97	0.02	0.0	9.038	0.126	3	1	1	35
PL.8699	PL.8692	B	#1/0 ACSR	7.19Y	119.8	0.03	5.23	8.30	4	58	15	97	0.01	0.0	9.189	0.151	4	1	1	29
PL.9840	PL.8699	B	#1/0 ACSR	7.19Y	119.8	0.01	5.24	7.69	3	54	14	97	0.00	0.0	9.245	0.056	0	0	0	28
PL.9841	PL.9840	B	#1/0 ACSR	7.18Y	119.7	0.01	5.25	7.69	3	54	14	97	0.00	0.0	9.281	0.036	0	0	0	28
PL.65754	PL.9841	B	#1/0 ACSR	7.18Y	119.7	0.00	5.25	7.34	3	51	13	97	0.00	0.0	9.284	0.003	0	0	0	27
PD.9590	PL.65754	B	100CodeSMo	7.18Y	119.7	0.00	5.25	7.34	0	51	13	97	0.00	0.0	9.284	0.003	0	0	0	27
PL.65755	PD.9590	B	#1/0 ACSR	7.18Y	119.7	0.04	5.30	7.34	3	51	13	97	0.02	0.0	9.535	0.251	0	0	0	27
PL.10117	PL.65755	B	#1/0 ACSR	7.18Y	119.7	0.00	5.30	0.52	0	4	1	97	0.00	0.0	9.538	0.003	0	0	0	1
PD.1859	PL.10117	B	100CodeSMo	7.18Y	119.7	0.00	5.30	0.52	0	4	1	97	0.00	0.0	9.538	0.003	0	0	0	1
PL.10118	PD.1859	B	#1/0 ACSR	7.18Y	119.7	0.00	5.30	0.52	0	4	1	97	0.00	0.0	9.596	0.058	0	0	0	1
PL.10069	PL.10118	B	#1/0 ACSR	7.18Y	119.7	0.00	5.30	0.52	0	4	1	97	0.00	0.0	9.601	0.005	0	0	0	1
PD.1665	PL.10069	B	15T	7.18Y	119.7	0.00	5.30	0.52	0	4	1	97	0.00	0.0	9.601	0.005	0	0	0	1
PL.10070	PD.1665	B	#1/0 ACSR	7.18Y	119.7	0.01	5.30	0.52	0	4	1	97	0.00	0.0	10.075	0.475	0	0	0	1
PL.9171	PL.10070	B	#1/0 ACSR	7.18Y	119.7	0.00	5.31	0.52	0	4	1	97	0.00	0.0	10.749	0.674	4	1	1	1
PL.8785	PL.9171	B	#1/0 ACSR	7.18Y	119.7	0.00	5.31	0.00	0	0	0	100	0.00	0.0	10.831	0.082	0	0	0	0
PL.10119	PL.65755	B	#1/0 ACSR	7.18Y	119.7	0.00	5.30	6.82	3	47	12	97	0.00	0.0	9.537	0.002	0	0	0	26
PL.10120	PL.10119	B	#1/0 ACSR	7.18Y	119.6	0.07	5.36	6.82	3	47	12	97	0.02	0.0	9.963	0.425	0	0	0	26
PL.8637	PL.10120	B	#4 ACSR	7.18Y	119.6	0.00	5.37	0.27	0	2	0	100	0.00	0.0	10.151	0.188	2	0	1	1
PL.8955	PL.10120	B	#1/0 ACSR	7.17Y	119.6	0.06	5.42	6.55	3	46	12	97	0.02	0.0	10.334	0.372	0	0	0	25
PL.8956	PL.8955	B	#1/0 ACSR	7.17Y	119.5	0.12	5.54	6.28	3	44	11	97	0.03	0.1	11.122	0.788	0	0	0	24
PL.8738	PL.8956	B	#1/0 ACSR	7.17Y	119.4	0.01	5.55	6.28	3	44	11	97	0.00	0.0	11.196	0.074	0	0	0	24
PL.8640	PL.8738	B	6 A (CWC)	7.17Y	119.4	0.01	5.56	1.89	1	13	3	97	0.00	0.0	11.312	0.116	2	0	1	8
PL.8741	PL.8640	B	6 A (CWC)	7.16Y	119.4	0.04	5.60	1.66	1	12	3	97	0.00	0.0	11.895	0.583	2	1	3	7
PL.9835	PL.8741	B	#4 ACSR	7.16Y	119.4	0.00	5.60	1.38	1	10	2	98	0.00	0.0	11.956	0.060	3	1	1	4
PL.9836	PL.9835	B	#4 ACSR	7.16Y	119.4	0.00	5.61	0.97	1	7	2	96	0.00	0.0	11.988	0.032	7	2	3	3
PL.9837	PL.9836	B	#4 ACSR	7.16Y	119.4	0.00	5.61	0.00	0	0	0	100	0.00	0.0	12.082	0.094	0	0	0	0
PL.9977	PL.8738	B	#1/0 ACSR	7.17Y	119.4	0.00	5.55	4.40	2	31	8	97	0.00	0.0	11.201	0.005	0	0	0	16
PD.1821	PL.9977	B	15T	7.17Y	119.4	0.00	5.55	4.40	0	31	8	97	0.00	0.0	11.201	0.005	0	0	0	16
PL.9978	PD.1821	B	#1/0 ACSR	7.17Y	119.4	0.01	5.56	4.40	2	31	8	97	0.00	0.0	11.270	0.069	5	1	3	16

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.9259	PL.9978	B	#1/0 ACSR	7.16Y	119.4	0.03	5.58	2.68	1	19	5	97	0.00	0.0	11.672	0.402	0	0	0	11
PL.9854	PL.9259	B	6 A (CWC)	7.16Y	119.4	0.00	5.59	2.22	2	15	4	97	0.00	0.0	11.713	0.041	5	1	2	9
PL.9855	PL.9854	B	6 A (CWC)	7.16Y	119.4	0.01	5.60	1.53	1	11	3	96	0.00	0.0	11.988	0.275	7	2	4	7
PL.8747	PL.9855	B	6 A (CWC)	7.16Y	119.4	0.00	5.60	0.59	0	4	1	97	0.00	0.0	12.040	0.052	4	1	3	3
PL.8745	PL.9259	B	#1/0 ACSR	7.16Y	119.4	0.00	5.59	0.46	0	3	1	95	0.00	0.0	12.041	0.369	0	0	0	2
PL.8748	PL.8745	B	#1/0 ACSR	7.16Y	119.4	0.00	5.59	0.46	0	3	1	95	0.00	0.0	12.376	0.336	1	0	1	2
PL.9839	PL.8748	B	#1/0 ACSR	7.16Y	119.4	0.00	5.59	0.33	0	2	1	89	0.00	0.0	12.646	0.269	2	1	1	1
PL.8739	PL.9978	B	#2 ACSR	7.17Y	119.4	0.00	5.56	0.92	1	6	2	95	0.00	0.0	11.326	0.057	6	2	2	2
PL.8638	PL.8955	B	6 A (CWC)	7.17Y	119.6	0.00	5.42	0.27	0	2	0	100	0.00	0.0	10.526	0.192	2	0	1	1
PL.8634	PL.9841	B	6 A (CWC)	7.18Y	119.7	0.00	5.25	0.35	0	2	1	89	0.00	0.0	9.339	0.058	2	1	1	1
PL.8697	PL.8692	B	6 A (CWC)	7.19Y	119.8	0.01	5.22	0.77	1	5	1	98	0.00	0.0	9.314	0.276	0	0	0	4
PL.9820	PL.8697	B	6 A (CWC)	7.19Y	119.8	0.00	5.22	0.77	1	5	1	98	0.00	0.0	9.363	0.049	0	0	0	4
PL.8952	PL.9820	B	6 A (CWC)	7.19Y	119.8	0.00	5.22	0.76	1	5	1	98	0.00	0.0	9.481	0.118	0	0	0	3
PL.8693	PL.8952	B	#4 ACSR	7.19Y	119.8	0.00	5.22	0.48	0	3	1	95	0.00	0.0	9.630	0.148	3	1	2	2
PL.10223	PL.8952	B	6 A (CWC)	7.19Y	119.8	0.00	5.22	0.28	0	2	1	89	0.00	0.0	9.595	0.113	0	0	0	1
PL.10224	PL.10223	B	#1/0 ACSR	7.19Y	119.8	0.00	5.22	0.28	0	2	1	89	0.00	0.0	9.642	0.048	2	1	1	1
PL.8694	PL.9820	B	#4 ACSR	7.19Y	119.8	0.00	5.22	0.02	0	0	0	100	0.00	0.0	9.418	0.055	0	0	1	1
PL.8698	PL.8692	B	#4 ACSR	7.19Y	119.8	0.00	5.21	1.28	1	9	2	98	0.00	0.0	9.097	0.060	9	2	1	1
PL.9742	PL.8947	B	#4 ACSR	7.20Y	120.0	0.00	5.04	0.34	0	2	1	89	0.00	0.0	8.605	0.111	1	0	1	3
PL.9743	PL.9742	B	#4 ACSR	7.20Y	120.0	0.00	5.04	0.24	0	2	0	100	0.00	0.0	8.683	0.078	0	0	0	2
PL.8949	PL.9743	B	#4 ACSR	7.20Y	120.0	0.00	5.04	0.24	0	2	0	100	0.00	0.0	8.745	0.062	2	0	1	1
PL.8696	PL.9743	B	#2 ACSR	7.20Y	120.0	0.00	5.04	0.00	0	0	0	100	0.00	0.0	8.765	0.082	0	0	1	1
PL.8405	PL.8942	C	#1/0 ACSR	7.21Y	120.1	0.00	4.85	0.29	0	2	1	89	0.00	0.0	7.723	0.033	2	1	1	1
PL.9949	PL.8941	C	#4 ACSR	7.21Y	120.2	0.00	4.82	0.54	0	4	1	97	0.00	0.0	7.513	0.004	0	0	0	1
PD.1807	PL.9949	C	15T	7.21Y	120.2	0.00	4.82	0.54	0	4	1	97	0.00	0.0	7.513	0.004	0	0	0	1
PL.9950	PD.1807	C	#4 ACSR	7.21Y	120.2	0.00	4.82	0.54	0	4	1	97	0.00	0.0	7.588	0.075	4	1	1	1
PL.9957	PL.9755	C	#2 ACSR	7.21Y	120.2	0.00	4.81	2.07	1	14	4	96	0.00	0.0	7.461	0.004	0	0	0	3
PD.1811	PL.9957	C	15T	7.21Y	120.2	0.00	4.81	2.07	0	14	4	96	0.00	0.0	7.461	0.004	0	0	0	3
PL.9958	PD.1811	C	#2 ACSR	7.21Y	120.2	0.00	4.82	2.07	1	14	4	96	0.00	0.0	7.481	0.020	2	0	1	3
PL.9758	PL.9958	C	#2 ACSR	7.21Y	120.2	0.00	4.82	1.84	1	13	3	97	0.00	0.0	7.511	0.030	13	3	2	2
PL.9951	PL.8938	A	#2 ACSR	7.21Y	120.2	0.00	4.77	0.56	0	4	1	97	0.00	0.0	7.243	0.005	0	0	0	1

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% 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.1808	PL.9951	A	15T	7.21Y	120.2	0.00	4.77	0.56	0	4	1	97	0.00	0.0	7.243	0.005	0	0	0	1
PL.9952	PD.1808	A	#2 ACSR	7.21Y	120.2	0.00	4.77	0.56	0	4	1	97	0.00	0.0	7.270	0.028	4	1	1	1
PL.9953	PL.8937	C	#2 ACSR	7.21Y	120.2	0.00	4.76	1.81	1	13	3	97	0.00	0.0	7.204	0.005	0	0	0	6
PD.1809	PL.9953	C	15T	7.21Y	120.2	0.00	4.76	1.81	0	13	3	97	0.00	0.0	7.204	0.005	0	0	0	6
PL.9954	PD.1809	C	#2 ACSR	7.21Y	120.2	0.00	4.76	1.81	1	13	3	97	0.00	0.0	7.258	0.055	1	0	1	6
PL.8557	PL.9954	C	#2 ACSR	7.21Y	120.2	0.00	4.76	0.23	0	2	0	100	0.00	0.0	7.335	0.077	2	0	1	1
PL.8556	PL.9954	C	#4 ACSR	7.21Y	120.2	0.00	4.76	0.56	0	4	1	97	0.00	0.0	7.314	0.056	4	1	1	1
PL.8939	PL.9954	C	#2 ACSR	7.21Y	120.2	0.00	4.76	0.87	0	6	2	95	0.00	0.0	7.327	0.069	2	0	1	3
PL.8559	PL.8939	C	#1/0 ACSR	7.21Y	120.2	0.00	4.77	0.60	0	4	1	97	0.00	0.0	7.530	0.203	0	0	0	2
PL.8558	PL.8559	C	#1/0 ACSR	7.21Y	120.2	0.00	4.77	0.31	0	2	1	89	0.00	0.0	7.551	0.020	2	1	1	1
PL.9247	PL.8559	C	#1/0 ACSR	7.21Y	120.2	0.00	4.77	0.30	0	2	1	89	0.00	0.0	7.681	0.151	2	1	1	1
PL.8378	PL.8936	C	#1/0 ACSR	7.22Y	120.3	0.00	4.72	0.50	0	3	1	95	0.00	0.0	7.041	0.005	0	0	0	1
PD.1771	PL.8378	C	15T	7.22Y	120.3	0.00	4.72	0.50	0	3	1	95	0.00	0.0	7.041	0.005	0	0	0	1
PL.8379	PD.1771	C	#1/0 ACSR	7.22Y	120.3	0.00	4.72	0.50	0	3	1	95	0.00	0.0	7.058	0.017	3	1	1	1
PL.8380	PL.8555	A	#2 ACSR	7.22Y	120.3	0.00	4.70	1.79	1	13	3	97	0.00	0.0	6.929	0.004	0	0	0	3
PD.1772	PL.8380	A	15T	7.22Y	120.3	0.00	4.70	1.79	0	13	3	97	0.00	0.0	6.929	0.004	0	0	0	3
PL.8381	PD.1772	A	#2 ACSR	7.22Y	120.3	0.00	4.70	1.79	1	13	3	97	0.00	0.0	6.943	0.014	13	3	3	3
PL.8935	PL.8934	ABC	#1/0 ACSR	7.21Y	120.2	0.19	4.82	40.25	17	842	226	97	1.12	0.1	6.922	0.258	0	0	0	192
PL.9019	PL.8935	ABC	#1/0 ACSR	7.21Y	120.1	0.04	4.86	38.19	17	798	214	97	0.24	0.0	6.984	0.062	5	1	1	184
PL.9020	PL.9019	ABC	#1/0 ACSR	7.20Y	120.1	0.09	4.95	37.93	16	792	212	97	0.49	0.1	7.112	0.127	6	1	1	183
PL.9014	PL.9020	ABC	#1/0 ACSR	7.20Y	120.0	0.07	5.01	37.66	16	786	211	97	0.37	0.0	7.210	0.098	5	1	2	182
PL.9015	PL.9014	ABC	#1/0 ACSR	7.20Y	119.9	0.06	5.07	37.43	16	781	209	97	0.31	0.0	7.293	0.083	0	0	0	180
PL.8376	PL.9015	C	#2 ACSR	7.20Y	119.9	0.00	5.07	1.80	1	13	3	97	0.00	0.0	7.298	0.005	0	0	0	1
PD.1770	PL.8376	C	40T	7.20Y	119.9	0.00	5.07	1.80	0	13	3	97	0.00	0.0	7.298	0.005	0	0	0	1
PL.8377	PD.1770	C	#2 ACSR	7.20Y	119.9	0.00	5.07	1.80	1	13	3	97	0.00	0.0	7.316	0.018	13	3	1	1
PL.9012	PL.9015	ABC	#1/0 ACSR	7.19Y	119.9	0.03	5.10	36.83	16	768	205	97	0.15	0.0	7.335	0.042	1	0	1	179
PL.9013	PL.9012	ABC	#1/0 ACSR	7.19Y	119.8	0.07	5.16	36.76	16	767	205	97	0.37	0.0	7.439	0.104	2	1	1	178
PL.8374	PL.9013	A	6 A (CWC)	7.19Y	119.8	0.00	5.16	0.19	0	1	0	100	0.00	0.0	7.444	0.005	0	0	0	1
PD.1769	PL.8374	A	40T	7.19Y	119.8	0.00	5.16	0.19	0	1	0	100	0.00	0.0	7.444	0.005	0	0	0	1
PL.8375	PD.1769	A	6 A (CWC)	7.19Y	119.8	0.00	5.16	0.19	0	1	0	100	0.00	0.0	7.479	0.035	1	0	1	1
PL.8705	PL.9013	ABC	#1/0 ACSR	7.19Y	119.8	0.08	5.25	36.59	16	762	204	97	0.46	0.1	7.568	0.129	0	0	0	176

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.10129	PL.8705	ABC	#1/0 ACSR	7.18Y	119.7	0.00	5.25	36.59	16	762	203	97	0.01	0.0	7.571	0.003	0	0	0	176
PD.1865	PL.10129	ABC	50L	7.18Y	119.7	0.00	5.25	36.59	73	762	203	97	0.00	0.0	7.571	0.003	0	0	0	176
PL.10130	PD.1865	ABC	#1/0 ACSR	7.18Y	119.7	0.03	5.28	36.59	16	762	203	97	0.16	0.0	7.617	0.046	8	2	1	176
PL.8706	PL.10130	A	#1/0 ACSR	7.18Y	119.7	0.00	5.28	0.01	0	0	0	100	0.00	0.0	7.670	0.053	0	0	0	2
PL.9971	PL.8706	A	#1/0 ACSR	7.18Y	119.7	0.00	5.28	0.01	0	0	0	100	0.00	0.0	7.675	0.005	0	0	0	2
PD.1818	PL.9971	A	30T	7.18Y	119.7	0.00	5.28	0.01	0	0	0	100	0.00	0.0	7.675	0.005	0	0	0	2
PL.9972	PD.1818	A	#1/0 ACSR	7.18Y	119.7	0.00	5.28	0.01	0	0	0	100	0.00	0.0	7.719	0.045	0	0	0	2
PL.8788	PL.9972	A	#1/0 ACSR	7.18Y	119.7	0.00	5.28	0.01	0	0	0	100	0.00	0.0	7.746	0.026	0	0	2	2
PL.8957	PL.10130	ABC	#1/0 ACSR	7.18Y	119.7	0.05	5.33	36.20	16	754	201	97	0.27	0.0	7.694	0.077	0	0	0	173
PL.10081	PL.8957	A	#4 ACSR	7.18Y	119.7	0.00	5.33	1.57	1	11	3	96	0.00	0.0	7.699	0.005	0	0	0	2
PD.1841	PL.10081	A	30T	7.18Y	119.7	0.00	5.33	1.57	0	11	3	96	0.00	0.0	7.699	0.005	0	0	0	2
PL.10082	PD.1841	A	#4 ACSR	7.18Y	119.7	0.00	5.33	1.57	1	11	3	96	0.00	0.0	7.718	0.019	11	3	2	2
PL.9250	PL.8957	ABC	#1/0 ACSR	7.18Y	119.6	0.05	5.38	35.68	16	743	198	97	0.26	0.0	7.771	0.076	0	0	0	171
PL.9725	PL.9250	ABC	#1/0 ACSR	7.17Y	119.6	0.05	5.43	35.42	15	737	196	97	0.27	0.0	7.852	0.082	15	4	3	168
PL.9726	PL.9725	ABC	#1/0 ACSR	7.17Y	119.5	0.05	5.48	34.71	15	722	192	97	0.24	0.0	7.928	0.076	8	2	1	165
PL.9724	PL.9726	ABC	#1/0 ACSR	7.17Y	119.5	0.05	5.53	34.33	15	714	190	97	0.24	0.0	8.004	0.076	6	1	1	164
PL.9723	PL.9724	ABC	#1/0 ACSR	7.16Y	119.4	0.07	5.59	34.06	15	708	188	97	0.35	0.0	8.116	0.112	0	0	0	163
PL.9720	PL.9723	ABC	#1/0 ACSR	7.16Y	119.4	0.05	5.64	33.96	15	705	187	97	0.26	0.0	8.201	0.084	9	2	2	162
PL.9721	PL.9720	ABC	#1/0 ACSR	7.16Y	119.3	0.03	5.67	33.54	15	696	185	97	0.13	0.0	8.243	0.042	0	0	0	160
PL.9800	PL.9721	ABC	#1/0 ACSR	7.16Y	119.3	0.06	5.73	33.32	14	692	184	97	0.31	0.0	8.347	0.104	4	1	1	159
PL.9801	PL.9800	ABC	#1/0 ACSR	7.15Y	119.2	0.06	5.80	33.15	14	688	182	97	0.32	0.0	8.455	0.108	4	1	2	158
PL.9799	PL.9801	ABC	#1/0 ACSR	7.15Y	119.2	0.03	5.82	32.97	14	684	181	97	0.12	0.0	8.498	0.042	0	0	0	156
PL.8708	PL.9799	ABC	#1/0 ACSR	7.15Y	119.1	0.05	5.87	19.25	8	399	107	97	0.14	0.0	8.639	0.141	0	0	0	87
PL.8731	PL.8708	B	#1/0 ACSR	7.14Y	118.9	0.21	6.08	57.75	25	399	107	97	0.57	0.1	8.791	0.152	0	0	0	87
REG53	PL.8731	B	76.2 KVA	7.51Y	125.2	-6.26	-0.18	57.75	58	398	106	97	percent Boost= 0.00 Tap= 0.0							87
PL.10150	REG53	B	#1/0 ACSR	7.51Y	125.2	0.00	-0.17	54.86	24	398	106	97	0.01	0.0	8.794	0.003	0	0	0	87
PD.1856	PL.10150	B	100CodeSMo	7.51Y	125.2	0.00	-0.17	54.86	0	398	106	97	0.00	0.0	8.794	0.003	0	0	0	87
PL.10114	PD.1856	B	#1/0 ACSR	7.46Y	124.3	0.89	0.71	54.86	24	398	106	97	2.29	0.6	9.471	0.678	0	0	0	87
PL.8733	PL.10114	B	6 A (CWC)	7.46Y	124.3	0.00	0.71	0.31	0	2	1	89	0.00	0.0	9.526	0.055	2	1	1	1
PL.8966	PL.10114	B	#1/0 ACSR	7.44Y	124.0	0.25	0.96	54.55	24	394	103	97	0.64	0.2	9.663	0.191	0	0	0	86
PL.9722	PL.8966	B	6 A (CWC)	7.44Y	123.9	0.11	1.07	23.96	17	173	45	97	0.14	0.1	9.759	0.096	0	0	0	33

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: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.9939	PL.9722	B	6 A (CWC)	7.43Y	123.9	0.05	1.11	23.96	17	173	45	97	0.06	0.0	9.801	0.042	0	0	0	33
PD.1802	PL.9939	B	30T	7.43Y	123.9	0.00	1.11	23.96	0	172	45	97	0.00	0.0	9.801	0.042	0	0	0	33
PL.9940	PD.1802	B	6 A (CWC)	7.41Y	123.6	0.32	1.43	23.96	17	172	45	97	0.41	0.2	10.094	0.293	0	0	0	33
PL.8968	PL.9940	B	6 A (CWC)	7.40Y	123.4	0.19	1.62	16.48	12	118	31	97	0.17	0.1	10.350	0.256	3	1	2	25
PL.8735	PL.8968	B	6 A (CWC)	7.39Y	123.2	0.13	1.75	16.09	11	115	30	97	0.11	0.1	10.525	0.175	0	0	0	23
PL.8596	PL.8735	B	#4 ACSR	7.39Y	123.2	0.00	1.75	1.44	1	10	3	96	0.00	0.0	10.563	0.038	10	3	1	1
PL.9718	PL.8735	B	6 A (CWC)	7.39Y	123.1	0.11	1.86	13.92	10	100	26	97	0.08	0.1	10.702	0.177	2	1	1	21
PL.9719	PL.9718	B	6 A (CWC)	7.38Y	123.0	0.16	2.03	13.60	10	97	25	97	0.11	0.1	10.979	0.277	10	3	1	20
PL.9256	PL.9719	B	#2 ACSR	7.38Y	123.0	0.01	2.03	12.18	7	87	22	97	0.00	0.0	10.994	0.016	6	1	1	19
PL.8598	PL.9256	B	#1/0 ACSR	7.37Y	122.9	0.06	2.09	11.36	5	81	21	97	0.03	0.0	11.224	0.230	1	0	1	17
PL.8601	PL.8598	B	6 A (CWC)	7.37Y	122.9	0.03	2.12	9.92	7	71	18	97	0.02	0.0	11.293	0.069	6	1	2	15
PL.9254	PL.8601	B	6 A (CWC)	7.37Y	122.8	0.04	2.16	9.14	7	65	17	97	0.02	0.0	11.386	0.093	9	2	1	13
PL.9255	PL.9254	B	6 A (CWC)	7.37Y	122.8	0.00	2.16	4.26	3	30	8	97	0.00	0.0	11.429	0.043	27	7	3	4
PL.8603	PL.9255	B	6 A (CWC)	7.37Y	122.8	0.00	2.16	0.47	0	3	1	95	0.00	0.0	11.535	0.106	0	0	0	1
PL.8604	PL.8603	B	#1/0 ACSR	7.37Y	122.8	0.00	2.16	0.47	0	3	1	95	0.00	0.0	11.649	0.113	3	1	1	1
PL.9716	PL.9254	B	6 A (CWC)	7.37Y	122.8	0.01	2.17	3.56	3	25	7	96	0.00	0.0	11.483	0.097	5	1	2	8
PL.9717	PL.9716	B	6 A (CWC)	7.37Y	122.8	0.01	2.18	2.82	2	20	5	97	0.00	0.0	11.567	0.085	7	2	1	6
PL.9715	PL.9717	B	6 A (CWC)	7.37Y	122.8	0.01	2.19	1.82	1	13	3	97	0.00	0.0	11.669	0.102	2	1	1	5
PL.9712	PL.9715	B	6 A (CWC)	7.37Y	122.8	0.01	2.20	1.48	1	11	3	96	0.00	0.0	11.800	0.131	0	0	0	4
PL.8605	PL.9712	B	6 A (CWC)	7.37Y	122.8	0.00	2.20	0.65	0	5	1	98	0.00	0.0	12.012	0.212	5	1	1	1
PL.8969	PL.9712	B	6 A (CWC)	7.37Y	122.8	0.01	2.21	0.83	1	6	2	95	0.00	0.0	12.117	0.317	1	0	1	3
PL.9711	PL.8969	B	6 A (CWC)	7.37Y	122.8	0.00	2.21	0.75	1	5	1	98	0.00	0.0	12.304	0.187	2	1	1	2
PL.9709	PL.9711	B	6 A (CWC)	7.37Y	122.8	0.00	2.21	0.40	0	3	1	95	0.00	0.0	12.464	0.160	3	1	1	1
PL.10214	PL.8601	B	#4 ACSR	7.37Y	122.9	0.00	2.12	0.00	0	0	0	100	0.00	0.0	11.295	0.002	0	0	0	0
PD.1912	PL.10214	B	15T	7.37Y	122.9	0.00	2.12	0.00	0	0	0	100	0.00	0.0	11.295	0.002	0	0	0	0
PL.10215	PD.1912	B	#4 ACSR	7.37Y	122.9	0.00	2.12	0.00	0	0	0	100	0.00	0.0	11.359	0.065	0	0	0	0
PL.8600	PL.8598	B	6 A (CWC)	7.37Y	122.9	0.00	2.09	1.24	1	9	2	98	0.00	0.0	11.287	0.063	9	2	1	1
PL.8597	PL.9256	B	#1/0 ACSR	7.38Y	123.0	0.00	2.03	0.00	0	0	0	100	0.00	0.0	11.035	0.041	0	0	1	1
PL.8736	PL.8735	B	6 A (CWC)	7.39Y	123.2	0.00	1.75	0.73	1	5	1	98	0.00	0.0	10.561	0.037	5	1	1	1
PL.9258	PL.9940	B	6 A (CWC)	7.41Y	123.5	0.03	1.47	7.48	5	54	14	97	0.01	0.0	10.198	0.104	11	3	1	8
PL.32614	PL.9258	B	6 A (CWC)	7.41Y	123.5	0.02	1.49	5.95	4	43	11	97	0.01	0.0	10.282	0.083	5	1	1	7

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

Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.32615	PL.32614	B	6 A (CWC)	7.41Y	123.5	0.00	1.49	5.19	4	37	10	97	0.00	0.0	10.310	0.028	21	5	2	6
PL.9714	PL.32615	B	6 A (CWC)	7.41Y	123.5	0.00	1.50	2.32	2	17	4	97	0.00	0.0	10.400	0.090	17	4	4	4
PL.8967	PL.8966	B	#1/0 ACSR	7.42Y	123.7	0.38	1.34	30.58	13	220	58	97	0.54	0.2	10.195	0.532	8	2	1	53
PL.8630	PL.8967	B	#1/0 ACSR	7.42Y	123.6	0.07	1.41	29.51	13	212	55	97	0.09	0.0	10.290	0.096	0	0	0	52
PL.10111	PL.8630	B	#1/0 ACSR	7.41Y	123.5	0.07	1.48	25.80	11	185	48	97	0.08	0.0	10.407	0.116	0	0	0	34
PD.1855	PL.10111	B	25T	7.41Y	123.5	0.00	1.48	25.80	0	185	48	97	0.00	0.0	10.407	0.116	0	0	0	34
PL.10112	PD.1855	B	#1/0 ACSR	7.41Y	123.4	0.08	1.56	25.80	11	185	48	97	0.09	0.1	10.538	0.131	0	0	0	34
PL.9732	PL.10112	B	#1/0 ACSR	7.40Y	123.4	0.06	1.62	23.47	10	168	43	97	0.06	0.0	10.652	0.114	14	4	1	31
PL.9733	PL.9732	B	#1/0 ACSR	7.40Y	123.4	0.03	1.65	21.48	9	154	40	97	0.03	0.0	10.716	0.064	0	0	0	30
PL.8407	PL.9733	B	#1/0 ACSR	7.40Y	123.3	0.05	1.70	20.40	9	146	38	97	0.05	0.0	10.834	0.118	0	0	0	29
PL.8408	PL.8407	B	#1/0 ACSR	7.39Y	123.2	0.09	1.80	19.26	8	138	36	97	0.09	0.1	11.049	0.215	0	0	0	27
PL.9251	PL.8408	B	#1/0 ACSR	7.39Y	123.1	0.06	1.85	17.89	8	128	33	97	0.05	0.0	11.188	0.139	0	0	0	26
PL.9935	PL.9251	B	#1/0 ACSR	7.39Y	123.1	0.00	1.86	12.15	5	87	22	97	0.00	0.0	11.193	0.005	0	0	0	15
PD.1800	PL.9935	B	30T	7.39Y	123.1	0.00	1.86	12.15	0	87	22	97	0.00	0.0	11.193	0.005	0	0	0	15
PL.9936	PD.1800	B	#1/0 ACSR	7.39Y	123.1	0.02	1.88	12.15	5	87	22	97	0.01	0.0	11.289	0.096	14	4	2	15
PL.9692	PL.9936	B	#1/0 ACSR	7.39Y	123.1	0.01	1.89	10.23	4	73	19	97	0.01	0.0	11.355	0.067	6	2	1	13
PL.9693	PL.9692	B	#1/0 ACSR	7.39Y	123.1	0.01	1.91	9.38	4	67	17	97	0.01	0.0	11.413	0.058	0	0	0	12
PL.9694	PL.9693	B	#1/0 ACSR	7.38Y	123.1	0.01	1.92	9.38	4	67	17	97	0.00	0.0	11.458	0.046	4	1	1	12
PL.9695	PL.9694	B	#1/0 ACSR	7.38Y	123.0	0.05	1.96	8.79	4	63	16	97	0.02	0.0	11.693	0.234	1	0	1	11
PL.9700	PL.9695	B	#1/0 ACSR	7.38Y	123.0	0.01	1.98	8.67	4	62	16	97	0.00	0.0	11.759	0.066	10	3	1	10
PL.9698	PL.9700	B	#1/0 ACSR	7.38Y	123.0	0.02	2.00	7.26	3	52	13	97	0.01	0.0	11.887	0.128	0	0	0	9
PL.8615	PL.9698	B	#1/0 ACSR	7.38Y	123.0	0.00	2.00	0.28	0	2	1	89	0.00	0.0	11.950	0.064	2	1	2	2
PL.8614	PL.9698	B	#1/0 ACSR	7.38Y	123.0	0.01	2.01	6.99	3	50	13	97	0.00	0.0	11.971	0.084	11	3	2	7
PL.9701	PL.8614	B	#1/0 ACSR	7.38Y	123.0	0.01	2.02	5.41	2	39	10	97	0.00	0.0	12.041	0.070	6	1	1	5
PL.9702	PL.9701	B	#1/0 ACSR	7.38Y	123.0	0.00	2.02	4.62	2	33	8	97	0.00	0.0	12.056	0.015	0	0	0	4
PL.8616	PL.9702	B	#4 ACSR	7.38Y	123.0	0.02	2.04	1.74	1	12	3	97	0.00	0.0	12.352	0.296	0	0	0	2
PL.8618	PL.8616	B	#2 ACSR	7.38Y	123.0	0.00	2.04	1.74	1	12	3	97	0.00	0.0	12.368	0.016	2	1	1	2
PL.8617	PL.8618	B	#2 ACSR	7.38Y	123.0	0.00	2.04	1.39	1	10	3	96	0.00	0.0	12.489	0.121	10	3	1	1
PL.9703	PL.9702	B	#1/0 ACSR	7.38Y	123.0	0.01	2.02	2.88	1	21	5	97	0.00	0.0	12.173	0.117	10	3	1	2
PL.9704	PL.9703	B	#1/0 ACSR	7.38Y	123.0	0.00	2.03	1.49	1	11	3	96	0.00	0.0	12.238	0.065	11	3	1	1
PL.8612	PL.9251	B	#1/0 ACSR	7.39Y	123.1	0.00	1.85	0.36	0	3	1	95	0.00	0.0	11.228	0.040	3	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: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.9690	PL.9251	B	#1/0 ACSR	7.39Y	123.1	0.01	1.86	5.38	2	39	10	97	0.00	0.0	11.233	0.045	0	0	1	9
PL.9691	PL.9690	B	#1/0 ACSR	7.39Y	123.1	0.01	1.87	5.38	2	38	10	97	0.00	0.0	11.282	0.049	6	2	2	8
PL.9696	PL.9691	B	#1/0 ACSR	7.39Y	123.1	0.01	1.88	4.50	2	32	8	97	0.00	0.0	11.397	0.115	9	2	1	6
PL.9697	PL.9696	B	#1/0 ACSR	7.39Y	123.1	0.01	1.88	3.18	1	23	6	97	0.00	0.0	11.467	0.069	0	0	0	5
PL.8613	PL.9697	B	#1/0 ACSR	7.39Y	123.1	0.00	1.88	1.63	1	12	3	97	0.00	0.0	11.503	0.036	12	3	2	2
PL.9252	PL.9697	B	#1/0 ACSR	7.39Y	123.1	0.01	1.89	1.54	1	11	3	96	0.00	0.0	11.722	0.256	4	1	2	3
PL.9689	PL.9252	B	#1/0 ACSR	7.39Y	123.1	0.00	1.89	1.05	0	8	2	97	0.00	0.0	11.747	0.025	8	2	1	1
PL.8611	PL.8408	B	#1/0 ACSR	7.39Y	123.2	0.00	1.80	1.37	1	10	3	96	0.00	0.0	11.067	0.018	10	3	1	1
PL.8610	PL.8407	B	#1/0 ACSR	7.40Y	123.3	0.00	1.70	1.14	0	8	2	97	0.00	0.0	10.898	0.064	8	2	2	2
PL.8609	PL.9733	B	#4 ACSR	7.40Y	123.4	0.00	1.65	1.09	1	8	2	97	0.00	0.0	10.767	0.051	8	2	1	1
PL.9730	PL.10112	B	#2 ACSR	7.41Y	123.4	0.00	1.56	2.33	1	17	4	97	0.00	0.0	10.584	0.046	9	2	1	3
PL.9731	PL.9730	B	#2 ACSR	7.41Y	123.4	0.00	1.56	1.08	1	8	2	97	0.00	0.0	10.708	0.124	8	2	2	2
PL.33074	PL.8630	B	6 A (CWC)	7.42Y	123.6	0.00	1.41	3.71	3	27	7	97	0.00	0.0	10.292	0.002	0	0	0	18
PD.4892	PL.33074	B	20T	7.42Y	123.6	0.00	1.41	3.71	0	27	7	97	0.00	0.0	10.292	0.002	0	0	0	18
PL.33075	PD.4892	B	6 A (CWC)	7.42Y	123.6	0.01	1.42	3.71	3	27	7	97	0.00	0.0	10.324	0.032	0	0	1	18
PL.9728	PL.33075	B	6 A (CWC)	7.41Y	123.6	0.01	1.43	3.71	3	27	7	97	0.00	0.0	10.389	0.065	0	0	0	17
PL.9729	PL.9728	B	6 A (CWC)	7.41Y	123.6	0.01	1.44	3.71	3	27	7	97	0.00	0.0	10.462	0.073	5	1	1	17
PL.8619	PL.9729	B	6 A (CWC)	7.41Y	123.6	0.01	1.45	2.99	2	21	6	96	0.00	0.0	10.543	0.081	2	0	1	16
PL.8608	PL.8619	B	6 A (CWC)	7.41Y	123.5	0.02	1.47	2.76	2	20	5	97	0.00	0.0	10.695	0.152	0	0	0	15
PL.8970	PL.8608	B	6 A (CWC)	7.41Y	123.5	0.04	1.51	2.61	2	19	5	97	0.01	0.0	11.044	0.349	0	0	0	14
PL.8621	PL.8970	B	#4 ACSR	7.41Y	123.5	0.00	1.51	0.00	0	0	0	100	0.00	0.0	11.182	0.138	0	0	0	0
PL.8971	PL.8970	B	6 A (CWC)	7.41Y	123.5	0.03	1.54	2.61	2	19	5	97	0.00	0.0	11.354	0.310	4	1	1	14
PL.8622	PL.8971	B	#4 ACSR	7.41Y	123.5	0.00	1.54	0.04	0	0	0	100	0.00	0.0	11.390	0.036	0	0	1	1
PL.9707	PL.8971	B	6 A (CWC)	7.41Y	123.4	0.01	1.55	1.99	1	14	4	96	0.00	0.0	11.449	0.094	1	0	2	12
PL.9708	PL.9707	B	6 A (CWC)	7.41Y	123.4	0.01	1.56	1.85	1	13	3	97	0.00	0.0	11.593	0.144	1	0	2	10
PL.8972	PL.9708	B	6 A (CWC)	7.41Y	123.4	0.00	1.56	1.29	1	9	2	98	0.00	0.0	11.622	0.029	6	2	1	7
PL.9705	PL.8972	B	6 A (CWC)	7.41Y	123.4	0.00	1.56	0.45	0	3	1	95	0.00	0.0	11.662	0.040	0	0	1	6
PL.9706	PL.9705	B	6 A (CWC)	7.41Y	123.4	0.01	1.57	0.40	0	3	1	95	0.00	0.0	11.936	0.275	0	0	1	5
PL.8624	PL.9706	B	#4 ACSR	7.41Y	123.4	0.00	1.57	0.40	0	3	1	95	0.00	0.0	12.021	0.085	0	0	0	4
PL.9858	PL.8624	B	#4 ACSR	7.41Y	123.4	0.00	1.57	0.04	0	0	0	100	0.00	0.0	12.059	0.038	0	0	1	2
PL.9859	PL.9858	B	#4 ACSR	7.41Y	123.4	0.00	1.57	0.02	0	0	0	100	0.00	0.0	12.143	0.084	0	0	1	1

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.8625	PL.8624	B	#4 ACSR	7.41Y	123.4	0.00	1.57	0.36	0	3	1	95	0.00	0.0	12.089	0.068	3	1	2	2
PL.8623	PL.9708	B	#2 ACSR	7.41Y	123.4	0.00	1.56	0.45	0	3	1	95	0.00	0.0	11.633	0.040	3	1	1	1
PL.8620	PL.8608	B	6 A (CWC)	7.41Y	123.5	0.00	1.47	0.15	0	1	0	100	0.00	0.0	10.872	0.178	1	0	1	1
PL.8709	PL.9799	ABC	#1/0 ACSR	7.15Y	119.2	0.01	5.83	13.72	6	285	74	97	0.02	0.0	8.532	0.035	0	0	0	69
PL.8958	PL.8709	ABC	#1/0 ACSR	7.15Y	119.1	0.07	5.90	13.72	6	285	74	97	0.15	0.1	8.823	0.291	0	0	0	69
PL.10063	PL.8958	A	#4 ACSR	7.15Y	119.1	0.00	5.90	0.80	1	6	1	99	0.00	0.0	8.828	0.005	0	0	0	2
PD.1662	PL.10063	A	30T	7.15Y	119.1	0.00	5.90	0.80	0	6	1	99	0.00	0.0	8.828	0.005	0	0	0	2
PL.10064	PD.1662	A	#4 ACSR	7.15Y	119.1	0.00	5.90	0.80	1	6	1	99	0.00	0.0	8.846	0.018	6	1	2	2
PL.8959	PL.8958	ABC	#1/0 ACSR	7.14Y	119.0	0.07	5.97	12.95	6	269	70	97	0.14	0.1	9.139	0.316	0	0	0	66
PL.9965	PL.8959	C	#2 ACSR	7.14Y	119.0	0.00	5.97	0.49	0	3	1	95	0.00	0.0	9.142	0.002	0	0	0	2
PD.1815	PL.9965	C	30T	7.14Y	119.0	0.00	5.97	0.49	0	3	1	95	0.00	0.0	9.142	0.002	0	0	0	2
PL.9966	PD.1815	C	#2 ACSR	7.14Y	119.0	0.00	5.98	0.49	0	3	1	95	0.00	0.0	9.229	0.087	1	0	1	2
PL.9798	PL.9966	C	#2 ACSR	7.14Y	119.0	0.00	5.98	0.30	0	2	1	89	0.00	0.0	9.246	0.017	2	1	1	1
PL.8711	PL.9798	C	#2 ACSR	7.14Y	119.0	0.00	5.98	0.00	0	0	0	100	0.00	0.0	9.347	0.101	0	0	0	0
PL.8712	PL.8711	C	#4 ACSR	7.14Y	119.0	0.00	5.98	0.00	0	0	0	100	0.00	0.0	9.432	0.086	0	0	0	0
PL.8766	PL.8712	C	#4 ACSR	7.14Y	119.0	0.00	5.98	0.00	0	0	0	100	0.00	0.0	9.469	0.037	0	0	0	0
PL.8960	PL.8959	ABC	#1/0 ACSR	7.14Y	119.0	0.05	6.02	12.78	6	265	69	97	0.09	0.0	9.357	0.218	0	0	0	64
PL.8961	PL.8960	ABC	#1/0 ACSR	7.14Y	118.9	0.04	6.06	12.55	5	260	67	97	0.07	0.0	9.519	0.161	0	0	0	62
PL.9963	PL.8961	C	#2 ACSR	7.14Y	118.9	0.00	6.06	0.00	0	0	0	100	0.00	0.0	9.523	0.005	0	0	0	1
PD.1814	PL.9963	C	30T	7.14Y	118.9	0.00	6.06	0.00	0	0	0	100	0.00	0.0	9.523	0.005	0	0	0	1
PL.9964	PD.1814	C	#2 ACSR	7.14Y	118.9	0.00	6.06	0.00	0	0	0	100	0.00	0.0	9.545	0.022	0	0	1	1
PL.9253	PL.8961	ABC	#1/0 ACSR	7.14Y	118.9	0.01	6.07	12.55	5	260	67	97	0.02	0.0	9.574	0.055	1	0	2	61
PL.8715	PL.9253	A	#1/0 ACSR	7.13Y	118.9	0.02	6.10	27.53	12	190	49	97	0.03	0.0	9.608	0.035	0	0	0	40
PL.8410	PL.8715	A	#1/0 ACSR	7.13Y	118.9	0.00	6.10	27.53	12	190	49	97	0.00	0.0	9.611	0.003	0	0	0	40
PD.1858	PL.8410	A	50L	7.13Y	118.9	0.00	6.10	27.53	55	190	49	97	0.00	0.0	9.611	0.003	0	0	0	40
PL.8409	PD.1858	A	#1/0 ACSR	7.12Y	118.7	0.23	6.33	27.53	12	190	49	97	0.30	0.2	9.973	0.362	7	2	1	40
PL.9796	PL.8409	A	#1/0 ACSR	7.12Y	118.6	0.04	6.37	26.56	12	183	47	97	0.05	0.0	10.038	0.066	18	5	3	39
PL.9797	PL.9796	A	#1/0 ACSR	7.12Y	118.6	0.02	6.39	23.95	10	165	42	97	0.02	0.0	10.072	0.034	7	2	2	36
PL.9780	PL.9797	A	#1/0 ACSR	7.11Y	118.6	0.03	6.42	22.92	10	158	41	97	0.03	0.0	10.127	0.055	5	1	2	34
PL.9781	PL.9780	A	#1/0 ACSR	7.11Y	118.6	0.01	6.43	22.20	10	153	39	97	0.01	0.0	10.150	0.023	36	9	5	32
PL.8723	PL.9781	A	#1/0 ACSR	7.11Y	118.5	0.03	6.46	16.90	7	116	30	97	0.03	0.0	10.244	0.094	17	4	4	27

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.9778	PL.8723	A	6 A (CWC)	7.11Y	118.5	0.01	6.47	3.87	3	27	7	97	0.00	0.0	10.291	0.047	0	0	0	5
PL.9779	PL.9778	A	6 A (CWC)	7.11Y	118.5	0.01	6.48	3.87	3	27	7	97	0.00	0.0	10.352	0.061	17	4	3	5
PL.8725	PL.9779	A	#4 ACSR	7.11Y	118.5	0.01	6.49	1.42	1	10	3	96	0.00	0.0	10.758	0.407	10	3	2	2
PL.8724	PL.8723	A	#1/0 ACSR	7.11Y	118.5	0.06	6.53	10.56	5	73	19	97	0.03	0.0	10.492	0.248	0	0	1	18
PL.9790	PL.8724	A	#1/0 ACSR	7.10Y	118.4	0.07	6.59	10.56	5	73	19	97	0.03	0.0	10.751	0.259	0	0	0	17
PL.8726	PL.9790	A	6 A (CWC)	7.10Y	118.4	0.00	6.59	0.00	0	0	0	100	0.00	0.0	10.886	0.135	0	0	0	0
PL.10225	PL.9790	A	#1/0 ACSR	7.10Y	118.4	0.01	6.60	10.56	5	73	19	97	0.00	0.0	10.785	0.034	0	0	1	17
PL.10226	PL.10225	A	#1/0 ACSR	7.10Y	118.4	0.02	6.62	10.56	5	73	19	97	0.01	0.0	10.850	0.065	1	0	1	16
PL.9787	PL.10226	A	#1/0 ACSR	7.10Y	118.4	0.01	6.63	10.36	5	71	18	97	0.01	0.0	10.920	0.070	22	6	3	15
PL.9788	PL.9787	A	#1/0 ACSR	7.10Y	118.4	0.01	6.64	7.17	3	49	13	97	0.00	0.0	10.979	0.059	0	0	0	12
PL.8727	PL.9788	A	6 A (CWC)	7.10Y	118.4	0.00	6.64	0.21	0	1	0	100	0.00	0.0	11.041	0.062	0	0	0	1
PL.8728	PL.8727	A	#2 ACSR	7.10Y	118.4	0.00	6.64	0.21	0	1	0	100	0.00	0.0	11.133	0.093	1	0	1	1
PL.8964	PL.9788	A	#1/0 ACSR	7.10Y	118.4	0.01	6.65	6.96	3	48	12	97	0.00	0.0	11.022	0.043	0	0	0	11
PL.8965	PL.8964	A	#1/0 ACSR	7.10Y	118.3	0.02	6.67	6.96	3	48	12	97	0.01	0.0	11.203	0.182	31	8	4	10
PL.9785	PL.8965	A	#1/0 ACSR	7.10Y	118.3	0.00	6.67	2.48	1	17	4	97	0.00	0.0	11.288	0.085	4	1	1	6
PL.9786	PL.9785	A	#1/0 ACSR	7.10Y	118.3	0.00	6.67	1.84	1	13	3	97	0.00	0.0	11.358	0.070	7	2	1	5
PL.9784	PL.9786	A	#1/0 ACSR	7.10Y	118.3	0.00	6.67	0.78	0	5	1	98	0.00	0.0	11.432	0.074	5	1	3	4
PL.9783	PL.9784	A	#1/0 ACSR	7.10Y	118.3	0.00	6.67	0.01	0	0	0	100	0.00	0.0	11.624	0.191	0	0	1	1
PL.8729	PL.8964	A	#4 ACSR	7.10Y	118.4	0.00	6.65	0.01	0	0	0	100	0.00	0.0	11.062	0.040	0	0	1	1
PL.8713	PL.9253	C	#2 ACSR	7.14Y	118.9	0.01	6.08	10.03	6	69	18	97	0.00	0.0	9.593	0.020	14	4	2	19
PL.10083	PL.8713	C	6 A (CWC)	7.14Y	118.9	0.00	6.08	7.98	6	55	14	97	0.00	0.0	9.598	0.005	0	0	0	17
PD.1842	PL.10083	C	30T	7.14Y	118.9	0.00	6.08	7.98	0	55	14	97	0.00	0.0	9.598	0.005	0	0	0	17
PL.10084	PD.1842	C	6 A (CWC)	7.13Y	118.8	0.10	6.18	7.98	6	55	14	97	0.04	0.1	9.864	0.266	0	0	0	17
PL.8716	PL.10084	C	6 A (CWC)	7.13Y	118.8	0.00	6.18	0.18	0	1	0	100	0.00	0.0	9.914	0.050	1	0	3	3
PL.8962	PL.10084	C	6 A (CWC)	7.13Y	118.8	0.04	6.22	7.80	6	54	14	97	0.02	0.0	9.987	0.123	1	0	1	14
PL.9793	PL.8962	C	6 A (CWC)	7.13Y	118.8	0.03	6.25	7.71	6	53	14	97	0.01	0.0	10.067	0.080	0	0	1	13
PL.9794	PL.9793	C	6 A (CWC)	7.12Y	118.7	0.08	6.33	7.66	5	53	14	97	0.03	0.1	10.298	0.232	1	0	1	12
PL.8719	PL.9794	C	6 A (CWC)	7.12Y	118.6	0.03	6.35	7.53	5	52	13	97	0.01	0.0	10.387	0.089	13	3	2	11
PL.8720	PL.8719	C	6 A (CWC)	7.12Y	118.6	0.01	6.36	5.59	4	39	10	97	0.00	0.0	10.411	0.023	0	0	0	9
PL.9791	PL.8720	C	6 A (CWC)	7.12Y	118.6	0.02	6.39	3.72	3	26	7	97	0.00	0.0	10.576	0.165	5	1	2	7
PL.9792	PL.9791	C	6 A (CWC)	7.12Y	118.6	0.01	6.39	2.93	2	20	5	97	0.00	0.0	10.662	0.086	18	5	1	5

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.9802	PL.9792	C	6 A (CWC)	7.12Y	118.6	0.00	6.39	0.35	0	2	1	89	0.00	0.0	10.747	0.086	0	0	1	4
PL.9803	PL.9802	C	6 A (CWC)	7.12Y	118.6	0.00	6.39	0.29	0	2	1	89	0.00	0.0	10.777	0.030	0	0	0	3
PL.8722	PL.9803	C	6 A (CWC)	7.12Y	118.6	0.00	6.39	0.17	0	1	0	100	0.00	0.0	11.046	0.270	1	0	1	1
PL.9804	PL.9803	C	#2 ACSR	7.12Y	118.6	0.00	6.39	0.12	0	1	0	100	0.00	0.0	10.791	0.014	0	0	1	2
PL.9805	PL.9804	C	#2 ACSR	7.12Y	118.6	0.00	6.39	0.12	0	1	0	100	0.00	0.0	10.809	0.018	1	0	1	1
PL.8721	PL.8720	C	#4 ACSR	7.12Y	118.6	0.00	6.36	1.87	1	13	3	97	0.00	0.0	10.499	0.088	13	3	2	2
PL.8717	PL.8962	C	#1/0 ACSR	7.13Y	118.8	0.00	6.22	0.00	0	0	0	100	0.00	0.0	10.039	0.052	0	0	0	0
PL.10216	PL.8713	C	6 A (CWC)	7.14Y	118.9	0.00	6.08	0.00	0	0	0	100	0.00	0.0	9.596	0.003	0	0	0	0
PD.1913	PL.10216	C	20T	7.14Y	118.9	0.00	6.08	0.00	0	0	0	100	0.00	0.0	9.596	0.003	0	0	0	0
PL.10217	PD.1913	C	6 A (CWC)	7.14Y	118.9	0.00	6.08	0.00	0	0	0	100	0.00	0.0	9.766	0.170	0	0	0	0
PL.8750	PL.10217	C	#4 ACSR	7.14Y	118.9	0.00	6.08	0.00	0	0	0	100	0.00	0.0	9.988	0.222	0	0	0	0
PL.9857	PL.8750	C	#4 ACSR	7.14Y	118.9	0.00	6.08	0.00	0	0	0	100	0.00	0.0	10.098	0.111	0	0	0	0
PL.10065	PL.8960	A	#4 ACSR	7.14Y	119.0	0.00	6.02	0.25	0	2	0	100	0.00	0.0	9.362	0.005	0	0	0	1
PD.1663	PL.10065	A	30T	7.14Y	119.0	0.00	6.02	0.25	0	2	0	100	0.00	0.0	9.362	0.005	0	0	0	1
PL.10066	PD.1663	A	#4 ACSR	7.14Y	119.0	0.00	6.02	0.25	0	2	0	100	0.00	0.0	9.433	0.071	2	0	1	1
PL.10067	PL.8960	C	#2 ACSR	7.14Y	119.0	0.00	6.02	0.45	0	3	1	95	0.00	0.0	9.361	0.003	0	0	0	1
PD.1664	PL.10067	C	30T	7.14Y	119.0	0.00	6.02	0.45	0	3	1	95	0.00	0.0	9.361	0.003	0	0	0	1
PL.10068	PD.1664	C	#2 ACSR	7.14Y	119.0	0.00	6.03	0.45	0	3	1	95	0.00	0.0	9.439	0.078	3	1	1	1
PL.9967	PL.8958	C	#4 ACSR	7.15Y	119.1	0.00	5.90	1.53	1	11	3	96	0.00	0.0	8.828	0.005	0	0	0	1
PD.1816	PL.9967	C	30T	7.15Y	119.1	0.00	5.90	1.53	0	11	3	96	0.00	0.0	8.828	0.005	0	0	0	1
PL.9968	PD.1816	C	#4 ACSR	7.15Y	119.1	0.00	5.90	1.53	1	11	3	96	0.00	0.0	8.860	0.032	11	3	1	1
PL.9969	PL.8709	A	#2 ACSR	7.15Y	119.2	0.00	5.83	0.00	0	0	0	100	0.00	0.0	8.537	0.005	0	0	0	0
PD.1817	PL.9969	A	30T	7.15Y	119.2	0.00	5.83	0.00	0	0	0	100	0.00	0.0	8.537	0.005	0	0	0	0
PL.9970	PD.1817	A	#2 ACSR	7.15Y	119.2	0.00	5.83	0.00	0	0	0	100	0.00	0.0	8.594	0.057	0	0	0	0
PL.9937	PL.9721	C	#4 ACSR	7.16Y	119.3	0.00	5.67	0.68	1	5	1	98	0.00	0.0	8.248	0.005	0	0	0	1
PD.1801	PL.9937	C	30T	7.16Y	119.3	0.00	5.67	0.68	0	5	1	98	0.00	0.0	8.248	0.005	0	0	0	1
PL.9938	PD.1801	C	#4 ACSR	7.16Y	119.3	0.00	5.67	0.68	1	5	1	98	0.00	0.0	8.298	0.050	5	1	1	1
PL.8707	PL.9723	A	#1/0 ACSR	7.16Y	119.4	0.00	5.59	0.32	0	2	1	89	0.00	0.0	8.152	0.035	2	1	1	1
PL.9941	PL.9250	A	#4 ACSR	7.18Y	119.6	0.00	5.38	0.76	1	5	1	98	0.00	0.0	7.775	0.005	0	0	0	3
PD.1803	PL.9941	A	30T	7.18Y	119.6	0.00	5.38	0.76	0	5	1	98	0.00	0.0	7.775	0.005	0	0	0	3
PL.9942	PD.1803	A	#4 ACSR	7.18Y	119.6	0.00	5.38	0.76	1	5	1	98	0.00	0.0	7.836	0.061	5	1	3	3

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.10061	PL.8935	A	#4 ACSR	7.21Y	120.2	0.00	4.82	2.41	2	17	4	97	0.00	0.0	6.926	0.004	0	0	0	1
PD.1661	PL.10061	A	40T	7.21Y	120.2	0.00	4.82	2.41	0	17	4	97	0.00	0.0	6.926	0.004	0	0	0	1
PL.10062	PD.1661	A	#4 ACSR	7.21Y	120.2	0.01	4.82	2.41	2	17	4	97	0.00	0.0	7.048	0.122	17	4	1	1
PL.8382	PL.8935	A	#1/0 ACSR	7.21Y	120.2	0.00	4.82	3.76	2	26	7	97	0.00	0.0	6.926	0.004	0	0	0	7
PD.1773	PL.8382	A	40T	7.21Y	120.2	0.00	4.82	3.76	0	26	7	97	0.00	0.0	6.926	0.004	0	0	0	7
PL.8383	PD.1773	A	#1/0 ACSR	7.21Y	120.2	0.00	4.82	3.76	2	26	7	97	0.00	0.0	6.974	0.048	15	4	3	7
PL.9016	PL.8383	A	#1/0 ACSR	7.21Y	120.2	0.00	4.82	1.64	1	11	3	96	0.00	0.0	7.039	0.065	0	0	1	4
PL.9260	PL.9016	A	#1/0 ACSR	7.21Y	120.2	0.00	4.82	0.00	0	0	0	100	0.00	0.0	7.101	0.062	0	0	0	0
PL.9017	PL.9016	A	#4 ACSR	7.21Y	120.2	0.00	4.82	1.58	1	11	3	96	0.00	0.0	7.058	0.019	9	2	2	3
PL.9018	PL.9017	A	#4 ACSR	7.21Y	120.2	0.00	4.82	0.24	0	2	0	100	0.00	0.0	7.091	0.033	2	0	1	1
PL.9884	PL.8932	C	#4 ACSR	7.25Y	120.9	0.00	4.12	0.39	0	3	1	95	0.00	0.0	6.152	0.005	0	0	0	1
PD.1777	PL.9884	C	40T	7.25Y	120.9	0.00	4.12	0.39	0	3	1	95	0.00	0.0	6.152	0.005	0	0	0	1
PL.9885	PD.1777	C	#4 ACSR	7.25Y	120.9	0.00	4.12	0.39	0	3	1	95	0.00	0.0	6.235	0.083	3	1	1	1
PL.10043	PL.9894	C	#4 ACSR	7.26Y	121.0	0.00	3.97	0.00	0	0	0	100	0.00	0.0	6.003	0.004	0	0	0	0
PD.1652	PL.10043	C	40T	7.26Y	121.0	0.00	3.97	0.00	0	0	0	100	0.00	0.0	6.003	0.004	0	0	0	0
PL.10044	PD.1652	C	#4 ACSR	7.26Y	121.0	0.00	3.97	0.00	0	0	0	100	0.00	0.0	6.111	0.108	0	0	0	0
CP.18	PL.9893	ABC	Cap (300)	7.27Y	121.1	0.00	3.85	0.00	0	0	0	100	0.00	0.0	5.885	0.108	0	0	0	0
PL.10123	PL.8896	ABC	336 MCM AC	7.32Y	122.0	0.03	2.98	46.67	9	992	259	97	0.14	0.0	4.671	0.076	0	0	0	211
PD.1862	PL.10123	ABC	70L	7.32Y	122.0	0.00	2.98	46.67	67	992	259	97	0.00	0.0	4.671	0.076	0	0	0	211
PL.10124	PD.1862	ABC	336 MCM AC	7.32Y	122.0	0.01	2.98	46.67	9	992	259	97	0.04	0.0	4.692	0.021	4	1	1	211
PL.9576	PL.10124	ABC	336 MCM AC	7.32Y	121.9	0.07	3.05	46.46	9	987	258	97	0.38	0.0	4.900	0.208	5	1	1	210
PL.8897	PL.9576	ABC	336 MCM AC	7.32Y	121.9	0.02	3.08	45.73	9	971	253	97	0.13	0.0	4.974	0.075	0	0	0	208
PL.9068	PL.8897	C	#4 ACSR	7.32Y	121.9	0.00	3.08	0.91	1	6	2	95	0.00	0.0	4.979	0.005	0	0	0	1
PD.1745	PL.9068	C	30T	7.32Y	121.9	0.00	3.08	0.91	0	6	2	95	0.00	0.0	4.979	0.005	0	0	0	1
PL.9069	PD.1745	C	#4 ACSR	7.32Y	121.9	0.00	3.08	0.91	1	6	2	95	0.00	0.0	4.994	0.015	6	2	1	1
PL.8898	PL.8897	ABC	336 MCM AC	7.31Y	121.9	0.03	3.10	45.42	9	965	251	97	0.13	0.0	5.051	0.077	0	0	0	207
PL.8899	PL.8898	ABC	336 MCM AC	7.31Y	121.9	0.05	3.15	35.58	7	756	197	97	0.19	0.0	5.226	0.175	0	0	0	159
PL.9993	PL.8899	A	#1/0 ACSR	7.31Y	121.8	0.00	3.15	1.95	1	14	4	96	0.00	0.0	5.231	0.004	0	0	0	2
PD.1832	PL.9993	A	30T	7.31Y	121.8	0.00	3.15	1.95	0	14	4	96	0.00	0.0	5.231	0.004	0	0	0	2
PL.9994	PD.1832	A	#1/0 ACSR	7.31Y	121.8	0.00	3.15	1.95	1	14	4	96	0.00	0.0	5.286	0.055	14	4	2	2
PL.9244	PL.8899	ABC	336 MCM AC	7.31Y	121.8	0.02	3.17	34.93	7	742	193	97	0.08	0.0	5.309	0.082	11	3	8	157

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.9995	PL.9244	A	#4 ACSR	7.31Y	121.8	0.00	3.17	0.53	0	4	1	97	0.00	0.0	5.313	0.005	0	0	0	2
PD.1833	PL.9995	A	30T	7.31Y	121.8	0.00	3.17	0.53	0	4	1	97	0.00	0.0	5.313	0.005	0	0	0	2
PL.9996	PD.1833	A	#4 ACSR	7.31Y	121.8	0.00	3.17	0.53	0	4	1	97	0.00	0.0	5.357	0.044	4	1	2	2
PL.8903	PL.9244	ABC	336 MCM AC	7.31Y	121.8	0.03	3.20	33.81	7	718	186	97	0.11	0.0	5.425	0.116	5	1	3	145
PL.9500	PL.8903	ABC	336 MCM AC	7.31Y	121.8	0.01	3.21	32.42	6	688	179	97	0.04	0.0	5.473	0.049	1	0	1	139
PL.9501	PL.9500	ABC	336 MCM AC	7.31Y	121.8	0.02	3.23	32.36	6	687	178	97	0.06	0.0	5.539	0.066	0	0	0	138
PL.9999	PL.9501	C	#4 ACSR	7.31Y	121.8	0.00	3.23	3.45	3	24	6	97	0.00	0.0	5.544	0.005	0	0	0	5
PD.1835	PL.9999	C	30T	7.31Y	121.8	0.00	3.23	3.45	0	24	6	97	0.00	0.0	5.544	0.005	0	0	0	5
PL.10000	PD.1835	C	#4 ACSR	7.31Y	121.8	0.00	3.23	3.45	3	24	6	97	0.00	0.0	5.563	0.020	6	1	2	5
PL.9268	PL.10000	C	#4 ACSR	7.31Y	121.8	0.00	3.23	1.59	1	11	3	96	0.00	0.0	5.604	0.041	11	3	1	1
PL.9498	PL.10000	C	#4 ACSR	7.31Y	121.8	0.00	3.23	1.06	1	7	2	96	0.00	0.0	5.586	0.022	6	1	1	2
PL.9499	PL.9498	C	#4 ACSR	7.31Y	121.8	0.00	3.23	0.25	0	2	0	100	0.00	0.0	5.604	0.018	2	0	1	1
PL.9072	PL.9501	A	#4 ACSR	7.31Y	121.8	0.00	3.23	0.32	0	2	1	89	0.00	0.0	5.544	0.005	0	0	0	1
PD.1747	PL.9072	A	30T	7.31Y	121.8	0.00	3.23	0.32	0	2	1	89	0.00	0.0	5.544	0.005	0	0	0	1
PL.9073	PD.1747	A	#4 ACSR	7.31Y	121.8	0.00	3.23	0.32	0	2	1	89	0.00	0.0	5.703	0.159	2	1	1	1
PL.8905	PL.9501	ABC	336 MCM AC	7.31Y	121.8	0.02	3.24	31.11	6	660	171	97	0.06	0.0	5.610	0.071	7	2	1	132
PL.9891	PL.8905	ABC	336 MCM AC	7.30Y	121.7	0.01	3.26	29.37	6	623	162	97	0.04	0.0	5.671	0.061	0	0	0	125
PL.9892	PL.9891	ABC	336 MCM AC	7.30Y	121.7	0.01	3.27	29.37	6	623	162	97	0.04	0.0	5.721	0.050	0	0	0	125
PL.8906	PL.9892	ABC	336 MCM AC	7.30Y	121.7	0.01	3.28	24.35	5	516	134	97	0.03	0.0	5.776	0.056	0	0	0	100
PL.9879	PL.8906	C	#1/0 ACSR	7.30Y	121.7	0.00	3.28	5.67	2	40	10	97	0.00	0.0	5.781	0.005	0	0	0	1
PD.1751	PL.9879	C	30T	7.30Y	121.7	0.00	3.28	5.67	0	40	10	97	0.00	0.0	5.781	0.005	0	0	0	1
PL.9880	PD.1751	C	#1/0 ACSR	7.30Y	121.7	0.00	3.28	5.67	2	40	10	97	0.00	0.0	5.791	0.010	40	10	1	1
PL.9510	PL.8906	ABC	336 MCM AC	7.30Y	121.7	0.01	3.28	22.46	4	476	124	97	0.02	0.0	5.813	0.037	23	6	8	99
PL.9511	PL.9510	ABC	336 MCM AC	7.30Y	121.7	0.03	3.31	21.36	4	453	118	97	0.06	0.0	5.982	0.168	0	0	0	91
PL.8309	PL.9511	ABC	336 MCM AC	7.30Y	121.7	0.01	3.32	21.36	4	453	118	97	0.02	0.0	6.033	0.051	0	0	0	91
PL.8907	PL.8309	ABC	336 MCM AC	7.30Y	121.7	0.00	3.32	20.54	4	435	113	97	0.01	0.0	6.059	0.026	3	1	2	90
PL.9512	PL.8907	ABC	336 MCM AC	7.30Y	121.7	0.00	3.32	2.68	1	57	15	97	0.00	0.0	6.158	0.099	7	2	1	12
PL.9513	PL.9512	ABC	336 MCM AC	7.30Y	121.7	0.00	3.32	2.37	0	50	13	97	0.00	0.0	6.232	0.074	13	3	4	11
PL.10087	PL.9513	ABC	336 MCM AC	7.30Y	121.7	0.00	3.32	0.00	0	0	0	100	0.00	0.0	6.330	0.097	0	0	0	0
PD.1844-A	PL.10087	ABC	Open	7.30Y	121.7	0.00	3.32	0.00	0	0	0	100	0.00	0.0	6.330	0.097	0	0	0	0
PL.10001	PL.9513	C	#4 ACSR	7.30Y	121.7	0.00	3.32	4.18	3	30	8	97	0.00	0.0	6.237	0.004	0	0	0	6

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% 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.1836	PL.10001	C	30T	7.30Y	121.7	0.00	3.32	4.18	0	30	8	97	0.00	0.0	6.237	0.004	0	0	0	6
PL.10002	PD.1836	C	#4 ACSR	7.30Y	121.7	0.00	3.33	4.18	3	30	8	97	0.00	0.0	6.257	0.021	0	0	0	6
PL.9515	PL.10002	C	#4 ACSR	7.30Y	121.7	0.01	3.33	4.18	3	30	8	97	0.00	0.0	6.291	0.034	7	2	2	6
PL.9514	PL.9515	C	#4 ACSR	7.30Y	121.7	0.00	3.34	3.25	3	23	6	97	0.00	0.0	6.330	0.038	15	4	2	4
PL.8643	PL.9514	C	1/0 AL URD	7.30Y	121.7	0.00	3.34	1.10	1	8	2	97	0.00	0.0	6.334	0.004	0	0	0	2
PD.1753	PL.8643	C	20T	7.30Y	121.7	0.00	3.34	1.10	0	8	2	97	0.00	0.0	6.334	0.004	0	0	0	2
PL.8644	PD.1753	C	1/0 AL URD	7.30Y	121.7	0.00	3.34	1.10	1	8	2	97	0.00	0.0	6.377	0.043	8	2	2	2
PL.8645	PL.9513	A	#4 ACSR	7.30Y	121.7	0.00	3.32	1.06	1	8	2	97	0.00	0.0	6.236	0.004	0	0	0	1
PD.1754	PL.8645	A	30T	7.30Y	121.7	0.00	3.32	1.06	0	8	2	97	0.00	0.0	6.236	0.004	0	0	0	1
PL.8646	PD.1754	A	#1/0 ACSR	7.30Y	121.7	0.00	3.32	1.06	0	8	2	97	0.00	0.0	6.276	0.039	8	2	1	1
PL.8310	PL.8907	ABC	#1/0 ACSR	7.30Y	121.7	0.03	3.35	17.71	8	375	98	97	0.07	0.0	6.148	0.090	0	0	0	76
PL.9875	PL.8310	C	#4 ACSR	7.30Y	121.7	0.00	3.35	0.00	0	0	0	100	0.00	0.0	6.153	0.005	0	0	0	0
PD.1749	PL.9875	C	30T	7.30Y	121.7	0.00	3.35	0.00	0	0	0	100	0.00	0.0	6.153	0.005	0	0	0	0
PL.9876	PD.1749	C	#4 ACSR	7.30Y	121.7	0.00	3.35	0.00	0	0	0	100	0.00	0.0	6.220	0.067	0	0	0	0
PL.10125	PL.8310	ABC	#1/0 ACSR	7.30Y	121.6	0.04	3.39	17.71	8	375	98	97	0.11	0.0	6.275	0.127	0	0	0	76
PD.1863	PL.10125	ABC	50H	7.30Y	121.6	0.00	3.39	17.71	35	375	98	97	0.00	0.0	6.275	0.127	0	0	0	76
PL.10126	PD.1863	ABC	#1/0 ACSR	7.29Y	121.5	0.09	3.48	17.71	8	375	98	97	0.25	0.1	6.569	0.294	0	0	0	76
PL.8448	PL.10126	ABC	#1/0 ACSR	7.29Y	121.5	0.03	3.52	17.51	8	371	96	97	0.09	0.0	6.679	0.110	0	0	0	75
PL.8447	PL.8448	ABC	#1/0 ACSR	7.29Y	121.5	0.03	3.54	17.42	8	369	96	97	0.08	0.0	6.772	0.093	0	0	0	73
PL.8908	PL.8447	ABC	#1/0 ACSR	7.28Y	121.4	0.04	3.59	16.82	7	356	92	97	0.11	0.0	6.912	0.139	0	0	0	71
PL.8909	PL.8908	ABC	#1/0 ACSR	7.28Y	121.4	0.05	3.63	16.82	7	356	92	97	0.11	0.0	7.062	0.150	0	0	0	71
PL.9046	PL.8909	C	6 A (CWC)	7.28Y	121.4	0.00	3.63	2.37	2	17	4	97	0.00	0.0	7.066	0.004	0	0	0	1
PD.1733	PL.9046	C	20T	7.28Y	121.4	0.00	3.63	2.37	0	17	4	97	0.00	0.0	7.066	0.004	0	0	0	1
PL.9047	PD.1733	C	6 A (CWC)	7.28Y	121.4	0.00	3.63	2.37	2	17	4	97	0.00	0.0	7.118	0.053	17	4	1	1
PL.8910	PL.8909	ABC	#1/0 ACSR	7.28Y	121.3	0.04	3.67	16.03	7	339	88	97	0.08	0.0	7.187	0.125	6	2	1	70
PL.10073	PL.8910	C	#1/0 ACSR	7.28Y	121.3	0.00	3.67	1.02	0	7	2	96	0.00	0.0	7.191	0.005	0	0	0	1
PD.1667	PL.10073	C	20T	7.28Y	121.3	0.00	3.67	1.02	0	7	2	96	0.00	0.0	7.191	0.005	0	0	0	1
PL.10074	PD.1667	C	#1/0 ACSR	7.28Y	121.3	0.00	3.67	1.02	0	7	2	96	0.00	0.0	7.251	0.059	7	2	1	1
PL.8911	PL.8910	ABC	#1/0 ACSR	7.28Y	121.3	0.03	3.69	15.39	7	325	84	97	0.06	0.0	7.288	0.101	0	0	0	68
PL.8912	PL.8911	ABC	#1/0 ACSR	7.28Y	121.3	0.03	3.72	15.27	7	323	84	97	0.06	0.0	7.387	0.099	0	0	0	67
PL.9432	PL.8912	ABC	#1/0 ACSR	7.28Y	121.3	0.02	3.74	14.68	6	310	80	97	0.04	0.0	7.450	0.063	9	2	1	66

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: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.9433	PL.9432	ABC	#1/0 ACSR	7.27Y	121.2	0.04	3.77	14.23	6	301	78	97	0.07	0.0	7.594	0.144	20	5	4	65
PL.9810	PL.9433	ABC	#1/0 ACSR	7.27Y	121.2	0.02	3.80	13.30	6	281	73	97	0.05	0.0	7.692	0.099	4	1	1	61
PL.9811	PL.9810	ABC	#1/0 ACSR	7.27Y	121.2	0.02	3.82	13.12	6	277	72	97	0.04	0.0	7.792	0.099	5	1	1	60
PL.9434	PL.9811	ABC	#1/0 ACSR	7.27Y	121.1	0.05	3.87	12.87	6	272	70	97	0.10	0.0	8.008	0.217	0	0	0	59
PL.9052	PL.9434	B	#1/0 ACSR	7.27Y	121.1	0.04	3.91	27.57	12	194	50	97	0.05	0.0	8.073	0.065	0	0	0	36
PD.1736	PL.9052	B	30T	7.27Y	121.1	0.00	3.91	27.57	0	194	50	97	0.00	0.0	8.073	0.065	0	0	0	36
PL.9053	PD.1736	B	#1/0 ACSR	7.26Y	120.9	0.15	4.06	27.57	12	194	50	97	0.19	0.1	8.303	0.230	0	0	0	36
PL.8466	PL.9053	B	#4 ACSR	7.26Y	120.9	0.00	4.06	0.76	1	5	1	98	0.00	0.0	8.357	0.054	5	1	2	2
PL.9439	PL.9053	B	#1/0 ACSR	7.25Y	120.9	0.06	4.12	26.81	12	188	49	97	0.08	0.0	8.408	0.105	7	2	2	34
PL.9440	PL.9439	B	#1/0 ACSR	7.25Y	120.9	0.02	4.14	25.79	11	181	47	97	0.02	0.0	8.438	0.030	0	0	0	32
PL.9448	PL.9440	B	#1/0 ACSR	7.25Y	120.8	0.10	4.23	25.79	11	181	47	97	0.12	0.1	8.608	0.170	9	2	1	32
PL.9449	PL.9448	B	#1/0 ACSR	7.24Y	120.7	0.05	4.29	24.48	11	172	44	97	0.06	0.0	8.699	0.091	0	0	0	31
PL.8468	PL.9449	B	#1/0 ACSR	7.24Y	120.7	0.00	4.29	1.86	1	13	3	97	0.00	0.0	8.724	0.025	13	3	3	3
PL.8913	PL.9449	B	#1/0 ACSR	7.24Y	120.7	0.05	4.34	22.62	10	159	41	97	0.05	0.0	8.797	0.098	0	0	0	28
PL.8469	PL.8913	B	6 A (CWC)	7.24Y	120.6	0.03	4.37	8.06	6	57	15	97	0.01	0.0	8.888	0.091	0	0	0	9
PL.8471	PL.8469	B	#4 ACSR	7.24Y	120.6	0.00	4.37	1.28	1	9	2	98	0.00	0.0	8.916	0.027	9	2	2	2
PL.9245	PL.8469	B	6 A (CWC)	7.24Y	120.6	0.02	4.39	6.78	5	48	12	97	0.01	0.0	8.945	0.056	0	0	0	7
PL.9472	PL.9245	B	6 A (CWC)	7.23Y	120.6	0.04	4.43	6.78	5	48	12	97	0.01	0.0	9.071	0.126	3	1	1	7
PL.9473	PL.9472	B	6 A (CWC)	7.23Y	120.5	0.08	4.50	6.42	5	45	12	97	0.03	0.1	9.329	0.258	0	0	0	6
PL.8412	PL.9473	B	#4 ACSR	7.23Y	120.5	0.05	4.55	6.42	5	45	12	97	0.02	0.0	9.525	0.196	12	3	2	6
PL.8483	PL.8412	B	#2 ACSR	7.22Y	120.4	0.04	4.58	4.76	3	33	9	96	0.01	0.0	9.781	0.255	4	1	1	4
PL.8481	PL.8483	B	#2 ACSR	7.22Y	120.4	0.01	4.59	2.83	2	20	5	97	0.00	0.0	9.881	0.100	9	2	1	2
PL.8482	PL.8481	B	#1/0 ACSR	7.22Y	120.4	0.00	4.59	1.55	1	11	3	96	0.00	0.0	9.923	0.042	11	3	1	1
PL.8480	PL.8483	B	#2 ACSR	7.22Y	120.4	0.00	4.59	1.34	1	9	2	98	0.00	0.0	9.808	0.027	9	2	1	1
PL.9450	PL.8913	B	#1/0 ACSR	7.24Y	120.6	0.03	4.37	12.75	6	89	23	97	0.02	0.0	8.914	0.118	10	3	1	18
PL.9451	PL.9450	B	#1/0 ACSR	7.23Y	120.6	0.08	4.45	11.29	5	79	20	97	0.04	0.1	9.212	0.298	0	0	0	17
PL.8914	PL.9451	B	#1/0 ACSR	7.23Y	120.5	0.05	4.50	9.86	4	69	18	97	0.02	0.0	9.458	0.246	8	2	3	16
PL.8474	PL.8914	B	#4 ACSR	7.23Y	120.5	0.00	4.50	1.63	1	11	3	96	0.00	0.0	9.508	0.050	11	3	2	2
PL.8915	PL.8914	B	#1/0 ACSR	7.23Y	120.5	0.01	4.51	7.09	3	50	13	97	0.00	0.0	9.524	0.065	12	3	2	11
PL.8475	PL.8915	B	#4 ACSR	7.23Y	120.5	0.00	4.51	0.00	0	0	0	100	0.00	0.0	9.880	0.356	0	0	1	1
PL.9389	PL.8915	B	#1/0 ACSR	7.23Y	120.5	0.00	4.51	5.35	2	37	10	97	0.00	0.0	9.562	0.038	2	1	1	8

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.9390	PL.9389	B	#1/0 ACSR	7.23Y	120.5	0.03	4.54	5.05	2	35	9	97	0.01	0.0	9.820	0.258	0	0	0	7
PL.8916	PL.9390	B	#1/0 ACSR	7.23Y	120.4	0.02	4.56	3.78	2	26	7	97	0.00	0.0	10.035	0.215	1	0	1	6
PL.9392	PL.8916	B	#1/0 ACSR	7.23Y	120.4	0.01	4.57	3.59	2	25	6	97	0.00	0.0	10.160	0.125	8	2	2	5
PL.8478	PL.9392	B	#4 ACSR	7.23Y	120.4	0.00	4.57	2.38	2	17	4	97	0.00	0.0	10.186	0.026	0	0	0	3
PL.8477	PL.8478	B	#4 ACSR	7.23Y	120.4	0.00	4.57	0.81	1	6	1	99	0.00	0.0	10.268	0.082	6	1	1	1
PL.9246	PL.8478	B	#4 ACSR	7.23Y	120.4	0.01	4.58	1.57	1	11	3	96	0.00	0.0	10.283	0.097	0	0	0	2
PL.9387	PL.9246	B	6 A (CWC)	7.23Y	120.4	0.00	4.58	1.57	1	11	3	96	0.00	0.0	10.338	0.056	8	2	1	2
PL.9388	PL.9387	B	6 A (CWC)	7.23Y	120.4	0.00	4.58	0.45	0	3	1	95	0.00	0.0	10.436	0.098	3	1	1	1
PL.8476	PL.9390	B	#4 ACSR	7.23Y	120.5	0.00	4.54	1.27	1	9	2	98	0.00	0.0	9.862	0.043	9	2	1	1
PL.8472	PL.9451	B	#4 ACSR	7.23Y	120.6	0.00	4.45	1.43	1	10	3	96	0.00	0.0	9.261	0.049	10	3	1	1
PL.8470	PL.8913	B	#4 ACSR	7.24Y	120.7	0.00	4.34	1.81	1	13	3	97	0.00	0.0	8.827	0.030	13	3	1	1
PL.8453	PL.9434	A	6 A (CWC)	7.26Y	121.1	0.07	3.93	11.05	8	78	20	97	0.04	0.0	8.138	0.130	0	0	3	23
PL.10021	PL.8453	A	6 A (CWC)	7.26Y	121.1	0.00	3.94	11.05	8	78	20	97	0.00	0.0	8.142	0.005	0	0	0	20
PD.1641	PL.10021	A	15T	7.26Y	121.1	0.00	3.94	11.05	0	78	20	97	0.00	0.0	8.142	0.005	0	0	0	20
PL.10022	PD.1641	A	6 A (CWC)	7.26Y	121.0	0.03	3.97	11.05	8	78	20	97	0.02	0.0	8.200	0.058	2	1	1	20
PL.8917	PL.10022	A	6 A (CWC)	7.26Y	121.0	0.05	4.02	10.35	7	73	19	97	0.03	0.0	8.330	0.129	15	4	1	13
PL.8456	PL.8917	A	#4 ACSR	7.26Y	121.0	0.01	4.03	2.49	2	18	4	98	0.00	0.0	8.396	0.066	5	1	1	3
PL.8458	PL.8456	A	#4 ACSR	7.26Y	121.0	0.00	4.03	1.22	1	9	2	98	0.00	0.0	8.429	0.033	9	2	1	1
PL.9446	PL.8456	A	#2 ACSR	7.26Y	121.0	0.00	4.03	0.61	0	4	1	97	0.00	0.0	8.433	0.037	0	0	0	1
PL.9447	PL.9446	A	#2 ACSR	7.26Y	121.0	0.00	4.03	0.61	0	4	1	97	0.00	0.0	8.462	0.029	4	1	1	1
PL.8457	PL.8456	A	#2 ACSR	7.26Y	121.0	0.00	4.03	0.00	0	0	0	100	0.00	0.0	8.433	0.037	0	0	0	0
PL.8455	PL.8917	A	#4 ACSR	7.26Y	121.0	0.00	4.02	0.00	0	0	0	100	0.00	0.0	8.361	0.032	0	0	0	0
PL.8454	PL.8917	A	6 A (CWC)	7.26Y	121.0	0.03	4.05	5.78	4	41	10	97	0.01	0.0	8.426	0.096	0	0	0	9
PL.8459	PL.8454	A	#1/0 ACSR	7.26Y	121.0	0.00	4.05	1.12	0	8	2	97	0.00	0.0	8.467	0.041	8	2	1	1
PL.8918	PL.8454	A	6 A (CWC)	7.26Y	120.9	0.01	4.05	4.66	3	33	8	97	0.00	0.0	8.450	0.024	0	0	0	8
PL.8460	PL.8918	A	#4 ACSR	7.26Y	120.9	0.00	4.05	0.46	0	3	1	95	0.00	0.0	8.522	0.072	3	1	2	2
PL.8919	PL.8918	A	6 A (CWC)	7.26Y	120.9	0.02	4.07	4.20	3	30	8	97	0.00	0.0	8.576	0.126	7	2	1	6
PL.8461	PL.8919	A	6 A (CWC)	7.26Y	120.9	0.00	4.07	0.00	0	0	0	100	0.00	0.0	8.641	0.065	0	0	0	0
PL.8463	PL.8919	A	6 A (CWC)	7.25Y	120.9	0.02	4.09	2.38	2	17	4	97	0.00	0.0	8.816	0.240	8	2	1	4
PL.9453	PL.8463	A	6 A (CWC)	7.25Y	120.9	0.00	4.09	1.27	1	9	2	98	0.00	0.0	8.854	0.038	0	0	0	3
PL.8464	PL.9453	A	6 A (CWC)	7.25Y	120.9	0.00	4.10	0.50	0	4	1	97	0.00	0.0	9.060	0.206	4	1	1	1

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.9455	PL.8464	A	6 A (CWC)	7.25Y	120.9	0.00	4.10	0.00	0	0	0	100	0.00	0.0	9.186	0.126	0	0	0	0
PL.8465	PL.9453	A	#1/0 ACSR	7.25Y	120.9	0.00	4.09	0.76	0	5	1	98	0.00	0.0	8.892	0.038	5	1	2	2
PL.8462	PL.8919	A	6 A (CWC)	7.26Y	120.9	0.00	4.07	0.90	1	6	2	95	0.00	0.0	8.634	0.059	6	2	1	1
PL.9444	PL.10022	A	#4 ACSR	7.26Y	121.0	0.00	3.97	0.38	0	3	1	95	0.00	0.0	8.256	0.056	0	0	1	5
PL.9445	PL.9444	A	#4 ACSR	7.26Y	121.0	0.00	3.97	0.36	0	3	1	95	0.00	0.0	8.290	0.034	3	1	4	4
PL.9442	PL.10022	A	#2 ACSR	7.26Y	121.0	0.00	3.97	0.00	0	0	0	100	0.00	0.0	8.251	0.051	0	0	0	1
PL.9443	PL.9442	A	#2 ACSR	7.26Y	121.0	0.00	3.97	0.00	0	0	0	100	0.00	0.0	8.296	0.045	0	0	1	1
PL.9048	PL.8912	C	#1/0 ACSR	7.28Y	121.3	0.00	3.72	1.79	1	13	3	97	0.00	0.0	7.391	0.004	0	0	0	1
PD.1734	PL.9048	C	20T	7.28Y	121.3	0.00	3.72	1.79	0	13	3	97	0.00	0.0	7.391	0.004	0	0	0	1
PL.9049	PD.1734	C	#1/0 ACSR	7.28Y	121.3	0.00	3.72	1.79	1	13	3	97	0.00	0.0	7.399	0.008	13	3	1	1
PL.9050	PL.8911	C	#4 ACSR	7.28Y	121.3	0.00	3.69	0.35	0	2	1	89	0.00	0.0	7.293	0.005	0	0	0	1
PD.1735	PL.9050	C	20T	7.28Y	121.3	0.00	3.69	0.35	0	2	1	89	0.00	0.0	7.293	0.005	0	0	0	1
PL.9051	PD.1735	C	#4 ACSR	7.28Y	121.3	0.00	3.70	0.35	0	2	1	89	0.00	0.0	7.327	0.035	0	0	0	1
PL.8628	PL.9051	C	#4 ACSR	7.28Y	121.3	0.00	3.70	0.35	0	2	1	89	0.00	0.0	7.348	0.021	2	1	1	1
PL.8372	PL.8908	C	6 A (CWC)	7.28Y	121.4	0.00	3.59	0.00	0	0	0	100	0.00	0.0	6.916	0.005	0	0	0	0
PD.1768	PL.8372	C	20T	7.28Y	121.4	0.00	3.59	0.00	0	0	0	100	0.00	0.0	6.916	0.005	0	0	0	0
PL.8373	PD.1768	C	6 A (CWC)	7.28Y	121.4	0.00	3.59	0.00	0	0	0	100	0.00	0.0	6.976	0.060	0	0	0	0
PL.8649	PL.8447	C	#2 ACSR	7.29Y	121.5	0.00	3.54	1.82	1	13	3	97	0.00	0.0	6.777	0.005	0	0	0	2
PD.1756	PL.8649	C	20T	7.29Y	121.5	0.00	3.54	1.82	0	13	3	97	0.00	0.0	6.777	0.005	0	0	0	2
PL.8650	PD.1756	C	#2 ACSR	7.29Y	121.5	0.00	3.55	1.82	1	13	3	97	0.00	0.0	6.827	0.050	13	3	2	2
PL.8647	PL.8448	A	6 A (CWC)	7.29Y	121.5	0.00	3.52	0.24	0	2	0	100	0.00	0.0	6.683	0.004	0	0	0	2
PD.1755	PL.8647	A	20T	7.29Y	121.5	0.00	3.52	0.24	0	2	0	100	0.00	0.0	6.683	0.004	0	0	0	2
PL.8648	PD.1755	A	6 A (CWC)	7.29Y	121.5	0.00	3.52	0.24	0	2	0	100	0.00	0.0	6.737	0.054	2	0	1	2
PL.9516	PL.8648	A	#4 ACSR	7.29Y	121.5	0.00	3.52	0.03	0	0	0	100	0.00	0.0	6.777	0.041	0	0	1	1
PL.9517	PL.9516	A	#4 ACSR	7.29Y	121.5	0.00	3.52	0.00	0	0	0	100	0.00	0.0	6.796	0.018	0	0	0	0
PL.8450	PL.9517	A	6 A (CWC)	7.29Y	121.5	0.00	3.52	0.00	0	0	0	100	0.00	0.0	6.880	0.084	0	0	0	0
PL.8451	PL.8450	A	6 A (CWC)	7.29Y	121.5	0.00	3.52	0.00	0	0	0	100	0.00	0.0	6.945	0.065	0	0	0	0
PL.8627	PL.8451	A	6 A (CWC)	7.29Y	121.5	0.00	3.52	0.00	0	0	0	100	0.00	0.0	6.972	0.027	0	0	0	0
PL.9975	PL.10126	A	6 A (CWC)	7.29Y	121.5	0.00	3.48	0.61	0	4	1	97	0.00	0.0	6.574	0.005	0	0	0	1
PD.1820	PL.9975	A	20T	7.29Y	121.5	0.00	3.48	0.61	0	4	1	97	0.00	0.0	6.574	0.005	0	0	0	1
PL.9976	PD.1820	A	6 A (CWC)	7.29Y	121.5	0.00	3.48	0.61	0	4	1	97	0.00	0.0	6.645	0.071	4	1	1	1

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.8449	PL.9976	A	#4 ACSR	7.29Y	121.5	0.00	3.48	0.00	0	0	0	100	0.00	0.0	6.672	0.027	0	0	0	0
PL.8641	PL.8309	C	1/0 AL URD	7.30Y	121.7	0.00	3.32	2.47	1	17	4	97	0.00	0.0	6.037	0.005	0	0	0	1
PD.1752	PL.8641	C	30T	7.30Y	121.7	0.00	3.32	2.47	0	17	4	97	0.00	0.0	6.037	0.005	0	0	0	1
PL.8642	PD.1752	C	1/0 AL URD	7.30Y	121.7	0.00	3.32	2.47	1	17	4	97	0.00	0.0	6.058	0.020	17	4	1	1
PL.9877	PL.9892	A	6 A (CWC)	7.30Y	121.7	0.00	3.27	12.97	9	92	24	97	0.00	0.0	5.725	0.005	0	0	0	20
PD.1750	PL.9877	A	30T	7.30Y	121.7	0.00	3.27	12.97	0	92	24	97	0.00	0.0	5.725	0.005	0	0	0	20
PL.9878	PD.1750	A	6 A (CWC)	7.30Y	121.7	0.02	3.29	12.97	9	92	24	97	0.01	0.0	5.759	0.033	0	0	0	20
PL.8306	PL.9878	A	#4 ACSR	7.30Y	121.7	0.01	3.30	10.54	8	75	19	97	0.01	0.0	5.794	0.035	26	7	3	14
PL.8307	PL.8306	A	#4 ACSR	7.30Y	121.7	0.00	3.30	6.80	5	48	12	97	0.00	0.0	5.798	0.004	0	0	0	11
PL.8308	PL.8307	A	#4 ACSR	7.30Y	121.7	0.03	3.33	6.80	5	48	12	97	0.01	0.0	5.887	0.089	0	0	0	11
PL.8485	PL.8308	A	#4 ACSR	7.30Y	121.7	0.00	3.33	6.80	5	48	12	97	0.00	0.0	5.904	0.017	8	2	2	11
PL.8904	PL.8485	A	#4 ACSR	7.30Y	121.7	0.00	3.33	0.00	0	0	0	100	0.00	0.0	5.947	0.043	0	0	0	0
PL.9505	PL.8485	A	#4 ACSR	7.30Y	121.7	0.00	3.34	5.60	4	40	10	97	0.00	0.0	5.923	0.019	11	3	2	9
PL.9506	PL.9505	A	#4 ACSR	7.30Y	121.7	0.00	3.34	4.01	3	28	7	97	0.00	0.0	5.952	0.029	5	1	1	7
PL.9507	PL.9506	A	#4 ACSR	7.30Y	121.7	0.00	3.35	3.37	3	24	6	97	0.00	0.0	5.976	0.024	19	5	5	6
PL.8486	PL.9507	A	#1/0 ACSR	7.30Y	121.7	0.00	3.35	0.63	0	4	1	97	0.00	0.0	6.028	0.052	4	1	1	1
PL.9502	PL.9878	A	6 A (CWC)	7.30Y	121.7	0.00	3.29	2.43	2	17	4	97	0.00	0.0	5.778	0.019	13	3	3	6
PL.9503	PL.9502	A	6 A (CWC)	7.30Y	121.7	0.00	3.29	0.65	0	5	1	98	0.00	0.0	5.802	0.024	4	1	2	3
PL.9504	PL.9503	A	6 A (CWC)	7.30Y	121.7	0.00	3.29	0.10	0	1	0	100	0.00	0.0	5.978	0.176	1	0	1	1
PL.8484	PL.9504	A	6 A (CWC)	7.30Y	121.7	0.00	3.29	0.00	0	0	0	100	0.00	0.0	6.010	0.032	0	0	0	0
PL.9508	PL.9892	ABC	#1/0 ACSR	7.30Y	121.7	0.00	3.27	0.69	0	15	4	97	0.00	0.0	5.759	0.038	12	3	4	5
PL.9509	PL.9508	ABC	#1/0 ACSR	7.30Y	121.7	0.00	3.27	0.12	0	3	1	95	0.00	0.0	5.781	0.022	3	1	1	1
CP.17	PL.9891	ABC	Cap (300)	7.30Y	121.7	0.00	3.26	0.00	0	0	0	100	0.00	0.0	5.671	0.022	0	0	0	0
PL.9873	PL.8905	C	#4 ACSR	7.31Y	121.8	0.00	3.24	4.29	3	30	8	97	0.00	0.0	5.615	0.005	0	0	0	6
PD.1748	PL.9873	C	15T	7.31Y	121.8	0.00	3.24	4.29	0	30	8	97	0.00	0.0	5.615	0.005	0	0	0	6
PL.9874	PD.1748	C	#4 ACSR	7.31Y	121.8	0.00	3.25	4.29	3	30	8	97	0.00	0.0	5.633	0.018	16	4	3	6
PL.9497	PL.9874	C	#4 ACSR	7.31Y	121.8	0.00	3.25	2.02	2	14	4	96	0.00	0.0	5.644	0.011	14	4	3	3
PL.9997	PL.8903	C	#4 ACSR	7.31Y	121.8	0.00	3.20	3.41	3	24	6	97	0.00	0.0	5.429	0.004	0	0	0	3
PD.1834	PL.9997	C	30T	7.31Y	121.8	0.00	3.20	3.41	0	24	6	97	0.00	0.0	5.429	0.004	0	0	0	3
PL.9998	PD.1834	C	#4 ACSR	7.31Y	121.8	0.00	3.20	3.41	3	24	6	97	0.00	0.0	5.439	0.010	0	0	0	3
PL.9496	PL.9998	C	#4 ACSR	7.31Y	121.8	0.00	3.20	3.41	3	24	6	97	0.00	0.0	5.458	0.019	16	4	2	3

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

Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.9823	PL.9496	C	#4 ACSR	7.31Y	121.8	0.00	3.21	1.21	1	9	2	98	0.00	0.0	5.497	0.040	0	0	0	1
PL.9824	PL.9823	C	#4 ACSR	7.31Y	121.8	0.00	3.21	1.21	1	9	2	98	0.00	0.0	5.563	0.065	9	2	1	1
PL.9070	PL.9244	C	#4 ACSR	7.31Y	121.8	0.00	3.17	1.24	1	9	2	98	0.00	0.0	5.313	0.005	0	0	0	2
PD.1746	PL.9070	C	30T	7.31Y	121.8	0.00	3.17	1.24	0	9	2	98	0.00	0.0	5.313	0.005	0	0	0	2
PL.9071	PD.1746	C	#4 ACSR	7.31Y	121.8	0.00	3.17	1.24	1	9	2	98	0.00	0.0	5.349	0.036	9	2	1	2
PL.8305	PL.9071	C	#2 ACSR	7.31Y	121.8	0.00	3.17	0.00	0	0	0	100	0.00	0.0	5.391	0.042	0	0	1	1
PL.9991	PL.8898	C	#2 ACSR	7.31Y	121.9	0.00	3.10	0.03	0	0	0	100	0.00	0.0	5.056	0.005	0	0	0	1
PD.1831	PL.9991	C	30T	7.31Y	121.9	0.00	3.10	0.03	0	0	0	100	0.00	0.0	5.056	0.005	0	0	0	1
PL.9992	PD.1831	C	#2 ACSR	7.31Y	121.9	0.00	3.10	0.03	0	0	0	100	0.00	0.0	5.068	0.012	0	0	1	1
PL.10115	PL.8898	A	#4 ACSR	7.31Y	121.9	0.00	3.11	29.49	23	209	54	97	0.01	0.0	5.054	0.003	0	0	0	47
PD.1857	PL.10115	A	50L	7.31Y	121.9	0.00	3.11	29.49	59	209	54	97	0.00	0.0	5.054	0.003	0	0	0	47
PL.10116	PD.1857	A	#4 ACSR	7.31Y	121.8	0.07	3.18	29.49	23	209	54	97	0.11	0.1	5.106	0.052	0	0	1	47
PL.8304	PL.10116	A	#4 ACSR	7.31Y	121.8	0.00	3.18	0.05	0	0	0	100	0.00	0.0	5.171	0.065	0	0	1	1
PL.8303	PL.10116	A	#4 ACSR	7.31Y	121.8	0.00	3.18	1.34	1	9	2	98	0.00	0.0	5.136	0.030	9	2	3	3
PL.8439	PL.10116	A	#4 ACSR	7.30Y	121.7	0.07	3.25	28.09	22	199	51	97	0.11	0.1	5.165	0.059	0	0	0	42
PL.9494	PL.8439	A	#4 ACSR	7.30Y	121.7	0.07	3.32	28.09	22	199	51	97	0.10	0.1	5.222	0.057	10	3	6	42
PL.9495	PL.9494	A	#4 ACSR	7.30Y	121.7	0.01	3.33	26.67	21	189	49	97	0.02	0.0	5.233	0.011	7	2	1	36
PL.9492	PL.9495	A	#4 ACSR	7.30Y	121.6	0.08	3.41	25.64	20	181	47	97	0.11	0.1	5.304	0.071	7	2	1	35
PL.9493	PL.9492	A	#4 ACSR	7.29Y	121.5	0.07	3.48	24.58	19	174	45	97	0.09	0.1	5.368	0.064	10	3	2	34
PL.8901	PL.9493	A	#4 ACSR	7.29Y	121.5	0.00	3.48	1.11	1	8	2	97	0.00	0.0	5.395	0.027	8	2	1	1
PL.9486	PL.9493	A	#4 ACSR	7.29Y	121.5	0.06	3.54	21.99	17	155	40	97	0.07	0.0	5.429	0.062	6	2	1	31
PL.9487	PL.9486	A	#4 ACSR	7.29Y	121.4	0.04	3.58	21.09	16	149	38	97	0.05	0.0	5.473	0.043	0	0	0	30
PL.9488	PL.9487	A	#4 ACSR	7.28Y	121.4	0.03	3.61	21.09	16	149	38	97	0.04	0.0	5.509	0.036	0	0	0	30
PL.9489	PL.9488	A	#4 ACSR	7.28Y	121.4	0.02	3.63	21.09	16	149	38	97	0.02	0.0	5.530	0.021	15	4	2	30
PL.9490	PL.9489	A	6 A (CWC)	7.28Y	121.3	0.04	3.67	19.01	14	134	34	97	0.04	0.0	5.583	0.053	10	2	1	28
PL.9491	PL.9490	A	6 A (CWC)	7.28Y	121.3	0.07	3.74	17.65	13	124	32	97	0.06	0.1	5.666	0.083	1	0	1	27
PL.9482	PL.9491	A	6 A (CWC)	7.27Y	121.2	0.09	3.83	17.24	12	122	31	97	0.08	0.1	5.790	0.124	10	3	1	25
PL.9483	PL.9482	A	6 A (CWC)	7.27Y	121.1	0.04	3.87	15.84	11	112	29	97	0.03	0.0	5.840	0.050	0	0	1	24
PL.8440	PL.9483	A	#4 ACSR	7.27Y	121.1	0.05	3.92	14.76	11	104	27	97	0.03	0.0	5.915	0.076	17	4	3	22
PL.8442	PL.8440	A	6 A (CWC)	7.26Y	121.1	0.00	3.92	1.33	1	9	2	98	0.00	0.0	5.994	0.079	9	2	1	1
PL.9480	PL.8440	A	6 A (CWC)	7.26Y	121.0	0.04	3.95	11.06	8	78	20	97	0.02	0.0	5.993	0.078	14	4	2	18

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: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.9481	PL.9480	A	6 A (CWC)	7.26Y	121.0	0.03	3.98	9.11	7	64	16	97	0.01	0.0	6.059	0.066	3	1	1	16
PL.9261	PL.9481	A	6 A (CWC)	7.26Y	121.0	0.01	3.99	7.21	5	51	13	97	0.00	0.0	6.098	0.039	14	4	2	13
PL.8444	PL.9261	A	#1/0 ACSR	7.26Y	121.0	0.00	3.99	0.88	0	6	2	95	0.00	0.0	6.159	0.061	6	2	2	2
PL.9825	PL.9261	A	6 A (CWC)	7.26Y	121.0	0.02	4.01	4.29	3	30	8	97	0.00	0.0	6.202	0.103	9	2	1	9
PL.9826	PL.9825	A	6 A (CWC)	7.26Y	121.0	0.02	4.02	3.03	2	21	5	97	0.00	0.0	6.336	0.135	0	0	0	8
PL.8902	PL.9826	A	6 A (CWC)	7.26Y	121.0	0.02	4.05	2.64	2	19	5	97	0.00	0.0	6.514	0.178	0	0	1	6
PL.9478	PL.8902	A	#2 ACSR	7.26Y	121.0	0.00	4.05	1.95	1	14	4	96	0.00	0.0	6.568	0.054	8	2	1	3
PL.9479	PL.9478	A	#2 ACSR	7.26Y	120.9	0.00	4.05	0.84	0	6	2	95	0.00	0.0	6.754	0.186	6	2	2	2
PL.9484	PL.8902	A	6 A (CWC)	7.26Y	121.0	0.00	4.05	0.66	0	5	1	98	0.00	0.0	6.656	0.141	3	1	1	2
PL.9485	PL.9484	A	6 A (CWC)	7.26Y	121.0	0.00	4.05	0.29	0	2	1	89	0.00	0.0	6.710	0.054	2	1	1	1
PL.8446	PL.9826	A	#4 ACSR	7.26Y	121.0	0.00	4.03	0.38	0	3	1	95	0.00	0.0	6.391	0.054	3	1	1	1
PL.8445	PL.9826	A	#1/0 ACSR	7.26Y	121.0	0.00	4.02	0.01	0	0	0	100	0.00	0.0	6.384	0.047	0	0	1	1
PL.8443	PL.9481	A	#4 ACSR	7.26Y	121.0	0.00	3.98	1.42	1	10	3	96	0.00	0.0	6.090	0.031	10	3	2	2
PL.8441	PL.9483	A	#4 ACSR	7.27Y	121.1	0.00	3.87	1.07	1	8	2	97	0.00	0.0	5.863	0.024	8	2	1	1
PL.10207	PL.9491	A	#1/0 ACSR	7.28Y	121.3	0.00	3.74	0.26	0	2	0	100	0.00	0.0	5.702	0.036	2	0	1	1
PL.8900	PL.8439	A	#4 ACSR	7.30Y	121.7	0.00	3.25	0.00	0	0	0	100	0.00	0.0	5.218	0.052	0	0	0	0
PL.9066	PL.9576	A	1/0 AL URD	7.32Y	121.9	0.00	3.05	1.45	1	10	3	96	0.00	0.0	4.904	0.005	0	0	0	1
PD.1744	PL.9066	A	30T	7.32Y	121.9	0.00	3.05	1.45	0	10	3	96	0.00	0.0	4.904	0.005	0	0	0	1
PL.9067	PD.1744	A	1/0 AL URD	7.32Y	121.9	0.00	3.06	1.45	1	10	3	96	0.00	0.0	4.948	0.044	10	3	1	1
PL.9989	PL.8298	C	6 A (CWC)	7.34Y	122.3	0.00	2.72	0.54	0	4	1	97	0.00	0.0	4.443	0.005	0	0	0	1
PD.1830	PL.9989	C	65T	7.34Y	122.3	0.00	2.72	0.54	0	4	1	97	0.00	0.0	4.443	0.005	0	0	0	1
PL.9990	PD.1830	C	6 A (CWC)	7.34Y	122.3	0.00	2.72	0.54	0	4	1	97	0.00	0.0	4.522	0.079	4	1	1	1
PL.8301	PL.9990	C	6 A (CWC)	7.34Y	122.3	0.00	2.72	0.00	0	0	0	100	0.00	0.0	4.569	0.046	0	0	0	0
PL.9899	PL.8296	A	#4 ACSR	7.36Y	122.6	0.00	2.37	0.34	0	2	1	89	0.00	0.0	4.213	0.005	0	0	0	1
PD.1780	PL.9899	A	65T	7.36Y	122.6	0.00	2.37	0.34	0	2	1	89	0.00	0.0	4.213	0.005	0	0	0	1
PL.9900	PD.1780	A	6 A (CWC)	7.36Y	122.6	0.00	2.37	0.34	0	2	1	89	0.00	0.0	4.298	0.084	2	1	1	1
PL.10085	PL.8890	ABC	1/0 AL URD	7.39Y	123.1	0.00	1.90	13.52	8	270	131	90	0.00	0.0	3.907	0.004	0	0	0	1
PD.1843	PL.10085	ABC	65T	7.39Y	123.1	0.00	1.90	13.52	0	270	131	90	0.00	0.0	3.907	0.004	0	0	0	1
PL.10086	PD.1843	ABC	1/0 AL URD	7.39Y	123.1	0.01	1.91	13.52	8	270	131	90	0.01	0.0	3.978	0.071	270	131	1	1
PL.10077	PL.8886	C	#4 ACSR	7.41Y	123.5	0.00	1.49	2.74	2	20	5	97	0.00	0.0	3.685	0.004	0	0	0	7
PD.1669	PL.10077	C	65T	7.41Y	123.5	0.00	1.49	2.74	0	20	5	97	0.00	0.0	3.685	0.004	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: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.10078	PD.1669	C	#4 ACSR	7.41Y	123.5	0.01	1.50	2.74	2	20	5	97	0.00	0.0	3.726	0.041	0	0	0	7
PL.9620	PL.10078	C	#4 ACSR	7.41Y	123.5	0.00	1.50	2.74	2	20	5	97	0.00	0.0	3.738	0.011	9	2	5	7
PL.9621	PL.9620	C	#4 ACSR	7.41Y	123.5	0.00	1.50	1.52	1	11	3	96	0.00	0.0	3.793	0.055	11	3	2	2
PL.8283	PL.8885	C	#4 ACSR	7.43Y	123.9	0.00	1.14	3.07	2	22	6	96	0.00	0.0	3.523	0.028	22	6	5	5
PL.9903	PL.9617	C	6 A (CWC)	7.45Y	124.2	0.00	0.78	2.92	2	21	5	97	0.00	0.0	3.324	0.004	0	0	0	6
PD.1783	PL.9903	C	65T	7.45Y	124.2	0.00	0.78	2.92	0	21	5	97	0.00	0.0	3.324	0.004	0	0	0	6
PL.9904	PD.1783	C	6 A (CWC)	7.45Y	124.2	0.01	0.79	2.92	2	21	5	97	0.00	0.0	3.391	0.067	15	4	4	6
PL.8278	PL.9904	C	#2 ACSR	7.45Y	124.2	0.00	0.79	0.88	1	6	2	95	0.00	0.0	3.433	0.042	6	2	2	2
PL.8277	PL.9617	A	#4 ACSR	7.45Y	124.2	0.00	0.78	0.39	0	3	1	95	0.00	0.0	3.348	0.028	3	1	1	1
PL.9907	PL.9630	B	6 A (CWC)	7.48Y	124.6	0.00	0.36	16.50	12	120	31	97	0.00	0.0	3.122	0.005	0	0	0	27
PD.1785	PL.9907	B	30T	7.48Y	124.6	0.00	0.36	16.50	0	120	31	97	0.00	0.0	3.122	0.005	0	0	0	27
PL.9908	PD.1785	B	6 A (CWC)	7.48Y	124.6	0.03	0.39	16.50	12	120	31	97	0.02	0.0	3.156	0.034	2	1	3	27
PL.8272	PL.9908	B	#4 ACSR	7.48Y	124.6	0.01	0.40	16.19	12	117	30	97	0.01	0.0	3.164	0.009	9	2	1	24
PL.8884	PL.8272	B	#4 ACSR	7.47Y	124.6	0.03	0.43	13.90	11	101	26	97	0.02	0.0	3.217	0.053	16	4	3	20
PL.8274	PL.8884	B	#4 ACSR	7.47Y	124.5	0.03	0.46	11.75	9	85	22	97	0.02	0.0	3.273	0.056	0	0	0	17
PL.8276	PL.8274	B	#4 ACSR	7.47Y	124.5	0.02	0.47	6.27	5	45	12	97	0.01	0.0	3.337	0.064	0	0	0	9
PL.9627	PL.8276	B	#4 ACSR	7.47Y	124.5	0.01	0.48	5.43	4	39	10	97	0.00	0.0	3.371	0.035	5	1	1	7
PL.9628	PL.9627	B	#4 ACSR	7.47Y	124.5	0.00	0.49	4.71	4	34	9	97	0.00	0.0	3.410	0.038	29	7	4	6
PL.8279	PL.9628	B	#4 ACSR	7.47Y	124.5	0.00	0.49	0.68	1	5	1	98	0.00	0.0	3.446	0.036	5	1	2	2
PL.9622	PL.8276	B	#4 ACSR	7.47Y	124.5	0.01	0.48	0.83	1	6	2	95	0.00	0.0	3.513	0.176	2	1	1	2
PL.9623	PL.9622	B	#4 ACSR	7.47Y	124.5	0.00	0.48	0.56	0	4	1	97	0.00	0.0	3.653	0.140	4	1	1	1
PL.28277	PL.8274	B	#1/0 ACSR	7.47Y	124.5	0.00	0.46	0.00	0	0	0	100	0.00	0.0	3.292	0.020	0	0	0	0
PL.8275	PL.8274	B	#1/0 ACSR	7.47Y	124.5	0.00	0.46	1.06	0	8	2	97	0.00	0.0	3.328	0.055	8	2	1	1
PL.9624	PL.8274	B	#4 ACSR	7.47Y	124.5	0.01	0.47	4.43	3	32	8	97	0.00	0.0	3.365	0.092	12	3	2	7
PL.9634	PL.9624	B	#4 ACSR	7.47Y	124.5	0.00	0.47	2.78	2	20	5	97	0.00	0.0	3.407	0.043	13	3	4	5
PL.9635	PL.9634	B	#4 ACSR	7.47Y	124.5	0.00	0.48	1.01	1	7	2	96	0.00	0.0	3.495	0.088	7	2	1	1
PL.8273	PL.8272	B	#1/0 ACSR	7.48Y	124.6	0.00	0.40	1.09	0	8	2	97	0.00	0.0	3.190	0.026	8	2	3	3
PL.8270	PL.8883	A	#4 ACSR	7.49Y	124.8	0.00	0.15	1.42	1	10	3	96	0.00	0.0	3.025	0.004	0	0	0	1
PD.1828	PL.8270	A	65T	7.49Y	124.8	0.00	0.15	1.42	0	10	3	96	0.00	0.0	3.025	0.004	0	0	0	1
PL.9280	PD.1828	A	#4 ACSR	7.49Y	124.8	0.00	0.15	1.42	1	10	3	96	0.00	0.0	3.029	0.005	0	0	0	1
PL.8271	PL.9280	A	#4 ACSR	7.49Y	124.8	0.00	0.16	1.42	1	10	3	96	0.00	0.0	3.082	0.053	10	3	1	1

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.9127	PD.1828	A	#4 ACSR	7.49Y	124.8	0.00	0.15	0.00	0	0	0	100	0.00	0.0	3.064	0.040	0	0	0	0
PL.9913	PL.8881	C	#2 ACSR	7.50Y	125.0	0.00	-0.02	0.00	0	0	0	100	0.00	0.0	2.942	0.004	0	0	0	0
PD.1788	PL.9913	C	65T	7.50Y	125.0	0.00	-0.02	0.00	0	0	0	100	0.00	0.0	2.942	0.004	0	0	0	0
PL.9914	PD.1788	C	#2 ACSR	7.50Y	125.0	0.00	-0.02	0.00	0	0	0	100	0.00	0.0	2.954	0.011	0	0	0	0
PL.9931	PL.9239	C	#4 ACSR	7.11Y	118.5	0.00	6.45	3.66	3	25	6	97	0.00	0.0	2.692	0.005	0	0	0	6
PD.1798	PL.9931	C	30T	7.11Y	118.5	0.00	6.45	3.66	0	25	6	97	0.00	0.0	2.692	0.005	0	0	0	6
PL.9932	PD.1798	C	#4 ACSR	7.11Y	118.5	0.01	6.46	3.66	3	25	6	97	0.00	0.0	2.755	0.063	10	3	2	6
PL.9529	PL.9932	C	#4 ACSR	7.11Y	118.5	0.01	6.46	2.15	2	15	4	97	0.00	0.0	2.815	0.060	0	0	0	4
PL.27922	PL.9529	C	#4 ACSR	7.11Y	118.5	0.00	6.47	2.15	2	15	4	97	0.00	0.0	2.852	0.037	6	2	1	4
PL.27923	PL.27922	C	#4 ACSR	7.11Y	118.5	0.00	6.47	1.24	1	9	2	98	0.00	0.0	2.873	0.021	0	0	0	3
PL.8265	PL.27923	C	6 A (CWC)	7.11Y	118.5	0.00	6.47	1.24	1	9	2	98	0.00	0.0	2.937	0.064	3	1	1	3
PL.8267	PL.8265	C	#4 ACSR	7.11Y	118.5	0.00	6.47	0.00	0	0	0	100	0.00	0.0	3.018	0.081	0	0	0	0
PL.8266	PL.8265	C	#4 ACSR	7.11Y	118.5	0.00	6.47	0.77	1	5	1	98	0.00	0.0	3.024	0.087	0	0	0	2
PL.8268	PL.8266	C	#2 ACSR	7.11Y	118.5	0.00	6.47	0.05	0	0	0	100	0.00	0.0	3.066	0.042	0	0	1	1
PL.8879	PL.8266	C	#4 ACSR	7.11Y	118.5	0.00	6.48	0.71	1	5	1	98	0.00	0.0	3.083	0.059	5	1	1	1
PL.9985	PL.8255	A	#4 ACSR	7.14Y	119.1	0.00	5.95	1.28	1	9	2	98	0.00	0.0	2.466	0.004	0	0	0	2
PD.1827	PL.9985	A	65T	7.14Y	119.1	0.00	5.95	1.28	0	9	2	98	0.00	0.0	2.466	0.004	0	0	0	2
PL.9986	PD.1827	A	#4 ACSR	7.14Y	119.1	0.00	5.95	1.28	1	9	2	98	0.00	0.0	2.515	0.049	9	2	2	2
PL.9983	PL.9640	C	6 A (CWC)	7.15Y	119.2	0.00	5.83	2.17	2	15	4	97	0.00	0.0	2.412	0.004	0	0	0	3
PD.1826	PL.9983	C	65T	7.15Y	119.2	0.00	5.83	2.17	0	15	4	97	0.00	0.0	2.412	0.004	0	0	0	3
PL.9984	PD.1826	C	6 A (CWC)	7.15Y	119.2	0.00	5.84	2.17	2	15	4	97	0.00	0.0	2.485	0.072	9	2	2	3
PL.8256	PL.9984	C	6 A (CWC)	7.15Y	119.2	0.00	5.84	0.81	1	6	1	99	0.00	0.0	2.537	0.052	6	1	1	1
PL.8254	PL.9639	C	#1/0 ACSR	7.18Y	119.6	0.00	5.41	6.43	3	45	11	97	0.00	0.0	2.223	0.004	0	0	0	18
PD.1825	PL.8254	C	65T	7.18Y	119.6	0.00	5.41	6.43	0	45	11	97	0.00	0.0	2.223	0.004	0	0	0	18
PL.8432	PD.1825	C	#1/0 ACSR	7.18Y	119.6	0.00	5.41	2.18	1	15	4	97	0.00	0.0	2.248	0.025	15	4	8	8
PL.9288	PD.1825	C	6 A (CWC)	7.18Y	119.6	0.00	5.41	4.25	3	30	8	97	0.00	0.0	2.227	0.004	0	0	0	10
PL.8260	PL.9288	C	6 A (CWC)	7.17Y	119.6	0.01	5.42	4.25	3	30	8	97	0.00	0.0	2.309	0.082	13	3	4	10
PL.8258	PL.8260	C	#4 ACSR	7.17Y	119.6	0.00	5.43	0.45	0	3	1	95	0.00	0.0	2.333	0.024	0	0	0	1
PL.8257	PL.8258	C	#4 ACSR	7.17Y	119.6	0.00	5.43	0.45	0	3	1	95	0.00	0.0	2.390	0.057	3	1	1	1
PL.10164	PL.8260	C	#4 ACSR	7.17Y	119.6	0.00	5.43	1.97	2	14	4	96	0.00	0.0	2.312	0.003	0	0	0	5
PD.1879	PL.10164	C	20T	7.17Y	119.6	0.00	5.43	1.97	0	14	4	96	0.00	0.0	2.312	0.003	0	0	0	5

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.10165	PD.1879	C	#4 ACSR	7.17Y	119.6	0.00	5.43	1.97	2	14	4	96	0.00	0.0	2.343	0.030	14	4	5	5
PL.10079	PL.8814	A	#2 ACSR	7.19Y	119.8	0.00	5.20	2.75	2	19	5	97	0.00	0.0	2.130	0.004	0	0	0	2
PD.1670	PL.10079	A	65T	7.19Y	119.8	0.00	5.20	2.75	0	19	5	97	0.00	0.0	2.130	0.004	0	0	0	2
PL.10080	PD.1670	A	#2 ACSR	7.19Y	119.8	0.00	5.20	2.75	2	19	5	97	0.00	0.0	2.156	0.025	19	5	2	2
PL.9981	PL.9637	C	#4 ACSR	7.20Y	119.9	0.00	5.07	2.00	2	14	4	96	0.00	0.0	2.072	0.004	0	0	0	3
PD.1824	PL.9981	C	65T	7.20Y	119.9	0.00	5.07	2.00	0	14	4	96	0.00	0.0	2.072	0.004	0	0	0	3
PL.9982	PD.1824	C	#4 ACSR	7.20Y	119.9	0.00	5.07	2.00	2	14	4	96	0.00	0.0	2.097	0.025	0	0	0	3
PL.8783	PL.9982	C	#4 ACSR	7.20Y	119.9	0.00	5.07	2.00	2	14	4	96	0.00	0.0	2.119	0.021	6	1	2	3
PL.8784	PL.8783	C	#4 ACSR	7.20Y	119.9	0.00	5.07	1.18	1	8	2	97	0.00	0.0	2.152	0.034	8	2	1	1
PL.8250	PL.8810	A	#2 ACSR	7.25Y	120.8	0.00	4.21	0.84	0	6	2	95	0.00	0.0	1.696	0.004	0	0	0	2
PD.1795	PL.8250	A	65T	7.25Y	120.8	0.00	4.21	0.84	0	6	2	95	0.00	0.0	1.696	0.004	0	0	0	2
PL.8430	PD.1795	A	#2 ACSR	7.25Y	120.8	0.00	4.21	0.84	0	6	2	95	0.00	0.0	1.741	0.045	6	2	1	1
PL.9299	PD.1795	A	#4 ACSR	7.25Y	120.8	0.00	4.21	0.00	0	0	0	100	0.00	0.0	1.701	0.005	0	0	0	1
PL.8249	PL.9299	A	#4 ACSR	7.25Y	120.8	0.00	4.21	0.00	0	0	0	100	0.00	0.0	1.721	0.020	0	0	1	1
CP.15	PL.9887	ABC	Cap (450)	7.32Y	121.9	0.00	3.05	0.00	0	0	0	100	0.00	0.0	1.207	0.020	0	0	0	0
PL.10103	PL.9303	C	#4 ACSR	7.37Y	122.9	0.00	2.15	23.86	18	170	44	97	0.00	0.0	0.839	0.003	0	0	0	27
PD.1852	PL.10103	C	65T	7.37Y	122.9	0.00	2.15	23.86	0	170	44	97	0.00	0.0	0.839	0.003	0	0	0	27
PL.10104	PD.1852	C	#4 ACSR	7.37Y	122.8	0.05	2.20	23.86	18	170	44	97	0.06	0.0	0.887	0.048	12	3	1	27
PL.9807	PL.10104	C	#4 ACSR	7.37Y	122.8	0.04	2.24	22.14	17	158	41	97	0.05	0.0	0.927	0.040	5	1	1	26
PL.9648	PL.9807	C	6 A (CWC)	7.36Y	122.7	0.04	2.28	21.15	15	151	39	97	0.05	0.0	0.975	0.048	10	3	1	24
PL.9649	PL.9648	C	6 A (CWC)	7.36Y	122.7	0.04	2.32	19.74	14	141	36	97	0.04	0.0	1.023	0.048	4	1	1	23
PL.8231	PL.9649	C	#1/0 ACSR	7.36Y	122.7	0.00	2.32	0.87	0	6	2	95	0.00	0.0	1.053	0.030	6	2	1	1
PL.9301	PL.9649	C	6 A (CWC)	7.36Y	122.6	0.07	2.39	18.33	13	131	34	97	0.06	0.0	1.102	0.079	0	0	0	21
PL.9302	PL.9301	C	6 A (CWC)	7.35Y	122.6	0.06	2.45	16.90	12	120	31	97	0.04	0.0	1.186	0.084	36	9	4	20
PL.9683	PL.9302	C	6 A (CWC)	7.35Y	122.5	0.03	2.48	9.79	7	70	18	97	0.02	0.0	1.256	0.070	0	0	0	11
PL.9684	PL.9683	C	6 A (CWC)	7.35Y	122.5	0.03	2.51	9.79	7	70	18	97	0.02	0.0	1.331	0.075	2	1	1	11
PL.9597	PL.9684	C	#4 ACSR	7.35Y	122.5	0.04	2.55	9.48	7	67	17	97	0.02	0.0	1.437	0.106	12	3	2	10
PL.25734	PL.9597	C	#4 ACSR	7.35Y	122.4	0.02	2.57	7.81	6	56	14	97	0.01	0.0	1.487	0.050	8	2	1	8
PL.25735	PL.25734	C	6 A (CWC)	7.34Y	122.4	0.03	2.59	6.65	5	47	12	97	0.01	0.0	1.575	0.088	0	0	0	7
PL.8233	PL.25735	C	#2 ACSR	7.34Y	122.4	0.00	2.59	1.55	1	11	3	96	0.00	0.0	1.598	0.023	11	3	3	3
PL.8234	PL.25735	C	#4 ACSR	7.34Y	122.4	0.01	2.60	5.10	4	36	9	97	0.00	0.0	1.604	0.029	0	0	0	4

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.8808	PL.8234	C	#4 ACSR	7.34Y	122.4	0.01	2.61	4.30	3	31	8	97	0.00	0.0	1.657	0.053	0	0	0	3
PL.8236	PL.8808	C	#4 ACSR	7.34Y	122.4	0.00	2.61	4.30	3	31	8	97	0.00	0.0	1.680	0.023	2	1	1	3
PL.8237	PL.8236	C	#4 ACSR	7.34Y	122.4	0.01	2.62	4.01	3	29	7	97	0.00	0.0	1.778	0.098	20	5	1	2
PL.8238	PL.8237	C	#1/0 ACSR	7.34Y	122.4	0.00	2.63	1.18	1	8	2	97	0.00	0.0	1.819	0.041	8	2	1	1
PL.8235	PL.8234	C	#4 ACSR	7.34Y	122.4	0.00	2.60	0.80	1	6	1	99	0.00	0.0	1.645	0.041	6	1	1	1
PL.9681	PL.9302	C	6 A (CWC)	7.35Y	122.6	0.00	2.45	2.06	1	15	4	97	0.00	0.0	1.237	0.051	3	1	2	5
PL.9682	PL.9681	C	6 A (CWC)	7.35Y	122.5	0.00	2.45	1.57	1	11	3	96	0.00	0.0	1.371	0.133	11	3	1	3
PL.8232	PL.9682	C	#1/0 ACSR	7.35Y	122.5	0.00	2.45	0.00	0	0	0	100	0.00	0.0	1.853	0.482	0	0	0	2
PL.9600	PL.8232	C	#1/0 ACSR	7.35Y	122.5	0.00	2.45	0.00	0	0	0	100	0.00	0.0	1.910	0.057	0	0	2	2
PL.8227	PL.9301	C	#2 ACSR	7.36Y	122.6	0.00	2.39	1.43	1	10	3	96	0.00	0.0	1.118	0.016	10	3	1	1
PL.8230	PL.9807	C	#4 ACSR	7.37Y	122.8	0.00	2.24	0.31	0	2	1	89	0.00	0.0	0.959	0.032	2	1	1	1
PL.10107	PL.9306	C	8 A (CWC)	7.41Y	123.5	0.00	1.49	20.48	20	147	38	97	0.00	0.0	0.580	0.003	0	0	0	24
PD.1853	PL.10107	C	65T	7.41Y	123.5	0.00	1.49	20.48	0	147	38	97	0.00	0.0	0.580	0.003	0	0	0	24
PL.10108	PD.1853	C	8 A (CWC)	7.41Y	123.5	0.02	1.51	20.48	20	147	38	97	0.03	0.0	0.597	0.017	5	1	5	24
PL.9652	PL.10108	C	8 A (CWC)	7.40Y	123.4	0.12	1.63	19.75	20	142	37	97	0.13	0.1	0.686	0.089	0	0	0	19
PL.9654	PL.9652	C	6 A (CWC)	7.40Y	123.3	0.06	1.69	19.75	14	142	37	97	0.06	0.0	0.756	0.070	9	2	1	19
PL.9655	PL.9654	C	6 A (CWC)	7.39Y	123.2	0.13	1.82	18.56	13	133	34	97	0.13	0.1	0.912	0.156	0	0	0	18
PL.8817	PL.9655	C	6 A (CWC)	7.37Y	122.8	0.42	2.24	17.67	13	126	33	97	0.40	0.3	1.428	0.516	0	0	0	16
PL.8818	PL.8817	C	6 A (CWC)	7.36Y	122.7	0.08	2.31	14.55	10	104	27	97	0.06	0.1	1.552	0.124	11	3	2	13
PL.9671	PL.8818	C	6 A (CWC)	7.36Y	122.6	0.04	2.35	13.05	9	93	24	97	0.03	0.0	1.619	0.067	3	1	1	11
PL.9672	PL.9671	C	6 A (CWC)	7.36Y	122.6	0.04	2.40	12.62	9	90	23	97	0.03	0.0	1.699	0.080	5	1	1	10
PL.9673	PL.9672	C	6 A (CWC)	7.35Y	122.5	0.08	2.48	11.91	9	85	22	97	0.05	0.1	1.849	0.150	7	2	1	9
PL.9674	PL.9673	C	6 A (CWC)	7.35Y	122.5	0.05	2.53	11.00	8	78	20	97	0.03	0.0	1.951	0.102	0	0	0	8
PL.9675	PL.9674	C	6 A (CWC)	7.35Y	122.4	0.05	2.57	11.00	8	78	20	97	0.03	0.0	2.051	0.100	12	3	1	8
PL.8819	PL.9675	C	6 A (CWC)	7.35Y	122.4	0.00	2.57	1.29	1	9	2	98	0.00	0.0	2.114	0.063	9	2	1	1
PL.9676	PL.9675	C	#1/0 ACSR	7.35Y	122.4	0.00	2.58	3.11	1	22	6	96	0.00	0.0	2.121	0.070	21	5	2	3
PL.9677	PL.9676	C	#1/0 ACSR	7.35Y	122.4	0.00	2.58	0.17	0	1	0	100	0.00	0.0	2.174	0.053	1	0	1	1
PL.9678	PL.9675	C	#1/0 ACSR	7.35Y	122.4	0.00	2.58	4.92	2	35	9	97	0.00	0.0	2.086	0.035	12	3	1	3
PL.9679	PL.9678	C	#1/0 ACSR	7.35Y	122.4	0.00	2.58	3.24	1	23	6	97	0.00	0.0	2.163	0.077	14	3	1	2
PL.9680	PL.9679	C	#1/0 ACSR	7.35Y	122.4	0.00	2.58	1.34	1	10	2	98	0.00	0.0	2.204	0.041	10	2	1	1
PL.8229	PL.9673	C	6 A (CWC)	7.35Y	122.5	0.00	2.48	0.00	0	0	0	100	0.00	0.0	1.899	0.051	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: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.8228	PL.8817	C	#1/0 ACSR	7.37Y	122.8	0.00	2.24	3.12	1	22	6	96	0.00	0.0	1.456	0.029	22	6	3	3
PL.8222	PL.9655	C	6 A (CWC)	7.39Y	123.2	0.01	1.83	0.89	1	6	2	95	0.00	0.0	1.207	0.295	6	2	2	2
PL.9921	PL.9310	C	6 A (CWC)	7.41Y	123.6	0.00	1.45	4.94	4	35	9	97	0.00	0.0	0.568	0.004	0	0	0	2
PD.1792	PL.9921	C	65T	7.41Y	123.6	0.00	1.45	4.94	0	35	9	97	0.00	0.0	0.568	0.004	0	0	0	2
PL.9922	PD.1792	C	6 A (CWC)	7.41Y	123.5	0.01	1.45	4.94	4	35	9	97	0.00	0.0	0.620	0.052	35	9	2	2
PL.9961	PL.8804	A	6 A (CWC)	7.44Y	124.0	0.00	0.97	2.41	2	17	4	97	0.00	0.0	0.393	0.005	0	0	0	2
PD.1813	PL.9961	A	65T	7.44Y	124.0	0.00	0.97	2.41	0	17	4	97	0.00	0.0	0.393	0.005	0	0	0	2
PL.9962	PD.1813	A	6 A (CWC)	7.44Y	124.0	0.00	0.98	2.41	2	17	4	97	0.00	0.0	0.448	0.055	17	4	2	2
PL.9653	PL.9962	A	6 A (CWC)	7.44Y	124.0	0.00	0.98	0.00	0	0	0	100	0.00	0.0	0.502	0.054	0	0	0	0
PL.8219	PL.9653	A	#1/0 ACSR	7.44Y	124.0	0.00	0.98	0.00	0	0	0	100	0.00	0.0	0.578	0.076	0	0	0	0
PL.8217	PL.9773	C	#4 ACSR	7.46Y	124.3	0.00	0.70	1.20	1	9	2	98	0.00	0.0	0.339	0.051	4	1	1	2
PL.8218	PL.8217	C	#1/0 ACSR	7.46Y	124.3	0.00	0.70	0.62	0	5	1	98	0.00	0.0	0.391	0.052	5	1	1	1
PL.7580	Fall Rock	ABC	#4/0 ACSR	7.50Y	125.0	0.01	0.01	82.53	24	1778	536	96	0.06	0.0	0.006	0.006	0	0	0	436
PL.27880	PL.7580	ABC	#4/0 ACSR	7.50Y	125.0	0.00	0.01	82.53	24	1778	536	96	0.03	0.0	0.010	0.004	0	0	0	436
---------- Feeder No. 1 (Oneida F1) Beginning with Device PD.3852 ----------																				
PD.3852	PL.27880	ABC	480VWE	7.50Y	125.0	0.00	0.01	82.53	0	1778	536	96	0.00	0.0	0.010	0.004	0	0	0	436
PL.7581	PD.3852	ABC	#4/0 ACSR	7.50Y	125.0	0.01	0.02	82.53	24	1778	536	96	0.07	0.0	0.018	0.008	0	0	0	436
PL.7260	PL.7581	ABC	#2/0 ACSR	7.50Y	125.0	0.00	0.02	0.00	0	0	0	100	0.00	0.0	0.023	0.006	0	0	0	0
PL.7454	PL.7581	ABC	#4/0 ACSR	7.50Y	125.0	0.01	0.02	82.53	24	1778	536	96	0.09	0.0	0.027	0.010	0	0	0	436
PL.7696	PL.7454	C	#1/0 ACSR	7.50Y	125.0	0.00	0.02	0.87	0	6	2	95	0.00	0.0	0.032	0.005	0	0	0	1
PD.1569	PL.7696	C	10T	7.50Y	125.0	0.00	0.02	0.87	0	6	2	95	0.00	0.0	0.032	0.005	0	0	0	1
PL.7697	PD.1569	C	#1/0 ACSR	7.50Y	125.0	0.00	0.03	0.87	0	6	2	95	0.00	0.0	0.119	0.087	6	2	1	1
PL.7453	PL.7454	ABC	#4/0 ACSR	7.50Y	124.9	0.04	0.07	82.24	24	1771	534	96	0.42	0.0	0.074	0.047	0	0	0	435
PL.7259	PL.7453	ABC	#1/0 ACSR	7.49Y	124.8	0.16	0.23	82.24	36	1771	534	96	1.92	0.1	0.181	0.107	3	1	1	435
PL.7261	PL.7259	ABC	#1/0 ACSR	7.48Y	124.7	0.09	0.32	82.10	36	1766	531	96	1.09	0.1	0.242	0.061	20	5	1	434
PL.7694	PL.7261	A	6 A (CWC)	7.48Y	124.7	0.00	0.32	0.47	0	3	1	95	0.00	0.0	0.247	0.004	0	0	0	1
PD.1568	PL.7694	A	65T	7.48Y	124.7	0.00	0.32	0.47	0	3	1	95	0.00	0.0	0.247	0.004	0	0	0	1
PL.10210	PD.1568	A	6 A (CWC)	7.48Y	124.7	0.00	0.32	0.47	0	3	1	95	0.00	0.0	0.324	0.077	3	1	1	1
PL.7346	PL.7261	ABC	#1/0 ACSR	7.47Y	124.6	0.11	0.43	81.03	35	1741	524	96	1.31	0.1	0.317	0.075	0	0	0	432

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: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.7347	PL.7346	ABC	#1/0 ACSR	7.47Y	124.5	0.08	0.51	80.27	35	1724	518	96	0.96	0.1	0.373	0.056	3	1	1	428
PL.7611	PL.7347	ABC	#1/0 ACSR	7.47Y	124.4	0.07	0.58	80.14	35	1720	517	96	0.77	0.0	0.418	0.045	9	2	1	427
PL.7612	PL.7611	ABC	#1/0 ACSR	7.46Y	124.3	0.12	0.70	79.72	35	1710	514	96	1.42	0.1	0.503	0.084	14	3	2	426
PL.7752	PL.7612	C	6 A (CWC)	7.46Y	124.3	0.00	0.70	1.44	1	10	3	96	0.00	0.0	0.507	0.004	0	0	0	3
PD.1598	PL.7752	C	65T	7.46Y	124.3	0.00	0.70	1.44	0	10	3	96	0.00	0.0	0.507	0.004	0	0	0	3
PL.7753	PD.1598	C	6 A (CWC)	7.46Y	124.3	0.00	0.70	1.44	1	10	3	96	0.00	0.0	0.546	0.039	1	0	1	3
PL.7263	PL.7753	C	#1/0 ACSR	7.46Y	124.3	0.00	0.70	1.28	1	9	2	98	0.00	0.0	0.588	0.042	9	2	2	2
PL.7348	PL.7612	ABC	#1/0 ACSR	7.45Y	124.1	0.21	0.91	78.62	34	1685	506	96	2.39	0.1	0.648	0.145	0	0	0	421
PL.7754	PL.7348	C	#4 ACSR	7.45Y	124.1	0.00	0.91	10.35	8	75	19	97	0.00	0.0	0.651	0.003	0	0	0	19
PD.1599	PL.7754	C	65T	7.45Y	124.1	0.00	0.91	10.35	0	75	19	97	0.00	0.0	0.651	0.003	0	0	0	19
PL.7755	PD.1599	C	#4 ACSR	7.44Y	124.1	0.03	0.94	10.35	8	75	19	97	0.02	0.0	0.712	0.061	1	0	2	19
PL.7609	PL.7755	C	#4 ACSR	7.44Y	124.0	0.02	0.96	10.15	8	73	19	97	0.01	0.0	0.758	0.046	4	1	2	17
PL.7610	PL.7609	C	#4 ACSR	7.44Y	124.0	0.05	1.01	9.55	7	69	18	97	0.03	0.0	0.884	0.126	0	0	0	15
PL.7608	PL.7610	C	#4 ACSR	7.44Y	124.0	0.04	1.04	9.55	7	69	18	97	0.02	0.0	0.972	0.088	6	2	1	15
PL.7432	PL.7608	C	#4 ACSR	7.44Y	123.9	0.03	1.08	8.67	7	62	16	97	0.01	0.0	1.060	0.088	7	2	2	13
PL.7600	PL.7432	C	#4 ACSR	7.44Y	123.9	0.01	1.08	5.17	4	37	10	97	0.00	0.0	1.091	0.031	15	4	3	8
PL.7601	PL.7600	C	#4 ACSR	7.43Y	123.9	0.00	1.09	3.05	2	22	6	96	0.00	0.0	1.145	0.053	22	6	5	5
PL.7613	PL.7432	C	#4 ACSR	7.43Y	123.9	0.01	1.08	2.57	2	18	5	96	0.00	0.0	1.123	0.063	4	1	1	3
PL.7614	PL.7613	C	#4 ACSR	7.43Y	123.9	0.00	1.08	2.06	2	15	4	97	0.00	0.0	1.156	0.033	15	4	2	2
PL.7264	PL.7608	C	#2 ACSR	7.44Y	124.0	0.00	1.04	0.00	0	0	0	100	0.00	0.0	1.039	0.067	0	0	1	1
PL.7262	PL.7348	ABC	#1/0 ACSR	7.44Y	124.0	0.14	1.05	75.17	33	1608	485	96	1.55	0.1	0.751	0.103	0	0	1	402
PL.7349	PL.7262	ABC	#1/0 ACSR	7.43Y	123.8	0.11	1.16	75.05	33	1603	483	96	1.17	0.1	0.829	0.078	0	0	1	399
PL.7351	PL.7349	ABC	#1/0 ACSR	7.42Y	123.7	0.13	1.29	75.03	33	1602	481	96	1.43	0.1	0.925	0.095	0	0	0	398
PL.7750	PL.7351	A	#1/0 ACSR	7.42Y	123.7	0.00	1.29	0.42	0	3	1	95	0.00	0.0	0.929	0.005	0	0	0	1
PD.1597	PL.7750	A	65T	7.42Y	123.7	0.00	1.29	0.42	0	3	1	95	0.00	0.0	0.929	0.005	0	0	0	1
PL.7751	PD.1597	A	#1/0 ACSR	7.42Y	123.7	0.00	1.29	0.42	0	3	1	95	0.00	0.0	1.002	0.072	3	1	1	1
PL.7352	PL.7351	ABC	#1/0 ACSR	7.40Y	123.4	0.33	1.62	74.89	33	1597	479	96	3.63	0.2	1.167	0.243	0	0	0	397
PL.7748	PL.7352	A	#4 ACSR	7.40Y	123.4	0.00	1.62	7.15	5	51	13	97	0.00	0.0	1.172	0.004	0	0	0	8
PD.1596	PL.7748	A	65T	7.40Y	123.4	0.00	1.62	7.15	0	51	13	97	0.00	0.0	1.172	0.004	0	0	0	8
PL.7749	PD.1596	A	#4 ACSR	7.40Y	123.4	0.02	1.64	7.15	5	51	13	97	0.01	0.0	1.225	0.054	0	0	0	8
PL.7267	PL.7749	A	#2 ACSR	7.40Y	123.4	0.00	1.64	5.99	3	43	11	97	0.00	0.0	1.239	0.014	1	0	1	7

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.7448	PL.7267	A	#1/0 ACSR	7.40Y	123.4	0.00	1.64	5.84	3	42	11	97	0.00	0.0	1.262	0.023	8	2	2	6
PL.7604	PL.7448	A	#1/0 ACSR	7.40Y	123.4	0.00	1.64	3.13	1	22	6	96	0.00	0.0	1.311	0.049	13	3	1	2
PL.7605	PL.7604	A	#1/0 ACSR	7.40Y	123.4	0.00	1.64	1.30	1	9	2	98	0.00	0.0	1.357	0.046	9	2	1	1
PL.7449	PL.7448	A	#1/0 ACSR	7.40Y	123.4	0.00	1.64	1.55	1	11	3	96	0.00	0.0	1.305	0.044	11	3	2	2
PL.7447	PL.7749	A	#4 ACSR	7.40Y	123.4	0.00	1.64	1.16	1	8	2	97	0.00	0.0	1.287	0.062	8	2	1	1
PL.7353	PL.7352	ABC	#1/0 ACSR	7.40Y	123.3	0.05	1.67	72.51	32	1542	463	96	0.55	0.0	1.207	0.039	0	0	0	389
PL.7602	PL.7353	ABC	#1/0 ACSR	7.40Y	123.3	0.03	1.70	67.38	29	1438	412	96	0.33	0.0	1.234	0.027	16	4	3	388
PL.7603	PL.7602	ABC	#1/0 ACSR	7.40Y	123.3	0.04	1.75	66.66	29	1422	408	96	0.44	0.0	1.271	0.037	0	0	0	385
PL.7806	PL.7603	ABC	1/0 AL URD	7.40Y	123.3	0.00	1.75	3.13	2	63	30	90	0.00	0.0	1.275	0.005	0	0	0	1
PD.1626	PL.7806	ABC	65T	7.40Y	123.3	0.00	1.75	3.13	0	63	30	90	0.00	0.0	1.275	0.005	0	0	0	1
PL.7807	PD.1626	ABC	1/0 AL URD	7.40Y	123.3	0.00	1.75	3.13	2	63	30	90	0.00	0.0	1.284	0.009	63	30	1	1
PL.7445	PL.7603	ABC	#1/0 ACSR	7.39Y	123.2	0.05	1.80	63.58	28	1359	377	96	0.46	0.0	1.314	0.043	0	0	0	384
PL.7587	PL.7445	B	6 A (CWC)	7.39Y	123.2	0.00	1.80	3.58	3	26	7	97	0.00	0.0	1.347	0.033	5	1	2	10
PL.7744	PL.7587	B	6 A (CWC)	7.39Y	123.2	0.00	1.80	2.93	2	21	5	97	0.00	0.0	1.352	0.005	0	0	0	8
PD.1594	PL.7744	B	65T	7.39Y	123.2	0.00	1.80	2.93	0	21	5	97	0.00	0.0	1.352	0.005	0	0	0	8
PL.7745	PD.1594	B	6 A (CWC)	7.39Y	123.2	0.01	1.82	2.93	2	21	5	97	0.00	0.0	1.485	0.133	7	2	2	8
PL.7589	PL.7745	B	6 A (CWC)	7.39Y	123.2	0.01	1.82	2.01	1	14	4	96	0.00	0.0	1.543	0.059	0	0	0	6
PL.7590	PL.7589	B	6 A (CWC)	7.39Y	123.2	0.00	1.83	2.01	1	14	4	96	0.00	0.0	1.597	0.053	5	1	2	6
PL.7592	PL.7590	B	6 A (CWC)	7.39Y	123.2	0.00	1.83	0.87	1	6	2	95	0.00	0.0	1.654	0.057	3	1	1	3
PL.7593	PL.7592	B	6 A (CWC)	7.39Y	123.2	0.00	1.83	0.39	0	3	1	95	0.00	0.0	1.677	0.023	1	0	1	2
PL.7591	PL.7593	B	6 A (CWC)	7.39Y	123.2	0.00	1.83	0.19	0	1	0	100	0.00	0.0	1.727	0.050	1	0	1	1
PL.7269	PL.7590	B	#4 ACSR	7.39Y	123.2	0.00	1.83	0.41	0	3	1	95	0.00	0.0	1.657	0.060	3	1	1	1
PL.7446	PL.7445	ABC	#1/0 ACSR	7.39Y	123.1	0.11	1.90	62.39	27	1333	370	96	0.97	0.1	1.408	0.094	0	0	0	374
PL.7808	PL.7446	ABC	1/0 AL URD	7.39Y	123.1	0.00	1.90	3.85	2	77	37	90	0.00	0.0	1.412	0.005	0	0	0	1
PD.1627	PL.7808	ABC	65T	7.39Y	123.1	0.00	1.90	3.85	0	77	37	90	0.00	0.0	1.412	0.005	0	0	0	1
PL.7809	PD.1627	ABC	1/0 AL URD	7.39Y	123.1	0.00	1.90	3.85	2	77	37	90	0.00	0.0	1.459	0.046	77	37	1	1
PL.7354	PL.7446	ABC	#1/0 ACSR	7.38Y	123.0	0.12	2.02	58.60	25	1255	332	97	1.01	0.1	1.518	0.110	0	0	0	373
PL.7812	PL.7354	ABC	#1/0 ACSR	7.37Y	122.9	0.13	2.15	58.60	25	1254	331	97	1.11	0.1	1.639	0.121	0	0	0	373
PD.1630-A	PL.7812	ABC	Closed	7.37Y	122.9	0.00	2.15	58.60	0	1253	330	97	0.00	0.0	1.639	0.121	0	0	0	373
PD.1630-B	PD.1630-A	ABC	Closed	7.37Y	122.9	0.00	2.15	58.60	0	1253	330	97	0.00	0.0	1.639	0.121	0	0	0	373
PL.7565	PD.1630-B	ABC	#1/0 ACSR	7.37Y	122.8	0.04	2.19	58.60	25	1253	330	97	0.36	0.0	1.679	0.039	1	0	1	373

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: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.7438	PL.7565	ABC	#1/0 ACSR	7.37Y	122.8	0.01	2.19	5.32	2	114	29	97	0.01	0.0	1.754	0.075	0	0	0	36
PL.7792	PL.7438	A	#4 ACSR	7.37Y	122.8	0.00	2.19	0.28	0	2	1	89	0.00	0.0	1.759	0.005	0	0	0	1
PD.1619	PL.7792	A	65T	7.37Y	122.8	0.00	2.19	0.28	0	2	1	89	0.00	0.0	1.759	0.005	0	0	0	1
PL.7793	PD.1619	A	#4 ACSR	7.37Y	122.8	0.00	2.19	0.28	0	2	1	89	0.00	0.0	1.823	0.064	2	1	1	1
PL.7586	PL.7793	A	#4 ACSR	7.37Y	122.8	0.00	2.19	0.00	0	0	0	100	0.00	0.0	1.891	0.068	0	0	0	0
PL.7742	PL.7438	C	#4 ACSR	7.37Y	122.8	0.00	2.19	0.00	0	0	0	100	0.00	0.0	1.759	0.005	0	0	0	0
PD.1593	PL.7742	C	65T	7.37Y	122.8	0.00	2.19	0.00	0	0	0	100	0.00	0.0	1.759	0.005	0	0	0	0
PL.7743	PD.1593	C	#4 ACSR	7.37Y	122.8	0.00	2.19	0.00	0	0	0	100	0.00	0.0	1.801	0.042	0	0	0	0
PL.7439	PL.7438	ABC	#1/0 ACSR	7.37Y	122.8	0.02	2.21	5.22	2	112	29	97	0.01	0.0	1.953	0.199	0	0	0	35
PL.7566	PL.7439	C	#1/0 ACSR	7.37Y	122.8	0.00	2.21	15.13	7	108	28	97	0.00	0.0	1.956	0.003	0	0	0	33
PD.1631	PL.7566	C	35L	7.37Y	122.8	0.00	2.21	15.13	43	108	28	97	0.00	0.0	1.956	0.003	0	0	0	33
PL.7567	PD.1631	C	#1/0 ACSR	7.36Y	122.7	0.05	2.27	15.13	7	108	28	97	0.04	0.0	2.107	0.151	9	2	1	33
PL.7356	PL.7567	C	#1/0 ACSR	7.36Y	122.7	0.04	2.30	13.55	6	97	25	97	0.02	0.0	2.216	0.109	0	0	0	31
PL.7598	PL.7356	C	#1/0 ACSR	7.36Y	122.7	0.05	2.35	12.49	5	89	23	97	0.03	0.0	2.369	0.153	2	0	1	30
PL.7599	PL.7598	C	#1/0 ACSR	7.36Y	122.6	0.06	2.41	12.23	5	87	23	97	0.04	0.0	2.581	0.212	0	0	0	29
PL.7596	PL.7599	C	#1/0 ACSR	7.35Y	122.6	0.03	2.43	12.23	5	87	22	97	0.01	0.0	2.669	0.088	1	0	1	29
PL.7597	PL.7596	C	#1/0 ACSR	7.35Y	122.5	0.02	2.45	12.04	5	86	22	97	0.01	0.0	2.743	0.073	5	1	2	28
PL.7595	PL.7597	C	#1/0 ACSR	7.35Y	122.4	0.11	2.56	11.37	5	81	21	97	0.06	0.1	3.142	0.399	1	0	1	26
PL.7278	PL.7595	C	#1/0 ACSR	7.35Y	122.4	0.01	2.57	11.26	5	80	21	97	0.00	0.0	3.169	0.027	0	0	0	25
PL.7279	PL.7278	C	#2 ACSR	7.35Y	122.4	0.00	2.57	0.43	0	3	1	95	0.00	0.0	3.208	0.039	0	0	0	1
PL.7280	PL.7279	C	#1/0 ACSR	7.35Y	122.4	0.00	2.57	0.43	0	3	1	95	0.00	0.0	3.352	0.144	3	1	1	1
PL.7554	PL.7278	C	#1/0 ACSR	7.34Y	122.4	0.02	2.59	10.83	5	77	20	97	0.01	0.0	3.256	0.087	2	1	1	24
PL.7555	PL.7554	C	#1/0 ACSR	7.34Y	122.4	0.02	2.61	10.49	5	75	19	97	0.01	0.0	3.341	0.085	0	0	1	23
PL.7553	PL.7555	C	#1/0 ACSR	7.34Y	122.4	0.02	2.63	10.45	5	74	19	97	0.01	0.0	3.425	0.084	3	1	2	22
PL.7734	PL.7553	C	#1/0 ACSR	7.34Y	122.4	0.00	2.63	9.36	4	67	17	97	0.00	0.0	3.429	0.005	0	0	0	18
PD.1588	PL.7734	C	15T	7.34Y	122.4	0.00	2.63	9.36	0	67	17	97	0.00	0.0	3.429	0.005	0	0	0	18
PL.7735	PD.1588	C	#1/0 ACSR	7.34Y	122.3	0.03	2.66	9.36	4	67	17	97	0.01	0.0	3.568	0.139	0	0	0	18
PL.7283	PL.7735	C	#4 ACSR	7.34Y	122.3	0.00	2.66	0.32	0	2	1	89	0.00	0.0	3.640	0.072	2	1	1	1
PL.7358	PL.7735	C	#1/0 ACSR	7.34Y	122.3	0.02	2.68	9.04	4	64	17	97	0.01	0.0	3.646	0.079	3	1	3	17
PL.7284	PL.7358	C	#4 ACSR	7.34Y	122.3	0.01	2.69	2.27	2	16	4	97	0.00	0.0	3.720	0.074	0	0	0	3
PL.7472	PL.7284	C	#4 ACSR	7.34Y	122.3	0.01	2.70	1.38	1	10	3	96	0.00	0.0	3.873	0.153	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: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.7473	PL.7472	C	#4 ACSR	7.34Y	122.3	0.00	2.70	1.34	1	10	2	98	0.00	0.0	3.901	0.027	0	0	0	1
PL.7471	PL.7473	C	#4 ACSR	7.34Y	122.3	0.00	2.70	1.34	1	10	2	98	0.00	0.0	3.947	0.046	10	2	1	1
PL.7285	PL.7284	C	#4 ACSR	7.34Y	122.3	0.00	2.69	0.89	1	6	2	95	0.00	0.0	3.819	0.099	6	2	1	1
PL.10151	PL.7358	C	#1/0 ACSR	7.34Y	122.3	0.01	2.69	6.41	3	46	12	97	0.00	0.0	3.701	0.054	0	0	0	11
PL.10152	PL.10151	C	#1/0 ACSR	7.34Y	122.3	0.03	2.72	6.41	3	46	12	97	0.01	0.0	3.890	0.189	0	0	0	11
PL.7286	PL.10152	C	6 A (CWC)	7.34Y	122.3	0.00	2.72	0.25	0	2	0	100	0.00	0.0	3.955	0.065	2	0	1	1
PL.7360	PL.10152	C	#1/0 ACSR	7.34Y	122.3	0.03	2.75	6.15	3	44	11	97	0.01	0.0	4.130	0.240	8	2	1	10
PL.7475	PL.7360	C	#1/0 ACSR	7.33Y	122.2	0.02	2.77	5.01	2	36	9	97	0.00	0.0	4.287	0.157	0	0	1	9
PL.7287	PL.7475	C	#4 ACSR	7.33Y	122.2	0.00	2.77	0.00	0	0	0	100	0.00	0.0	4.335	0.048	0	0	0	0
PL.7361	PL.7475	C	#1/0 ACSR	7.33Y	122.2	0.02	2.79	5.01	2	36	9	97	0.00	0.0	4.444	0.157	0	0	0	8
PL.7362	PL.7361	C	#1/0 ACSR	7.33Y	122.2	0.00	2.79	3.74	2	27	7	97	0.00	0.0	4.497	0.053	7	2	1	6
PL.7476	PL.7362	C	#1/0 ACSR	7.33Y	122.2	0.00	2.79	1.41	1	10	3	96	0.00	0.0	4.554	0.057	6	2	1	2
PL.7477	PL.7476	C	#1/0 ACSR	7.33Y	122.2	0.00	2.79	0.51	0	4	1	97	0.00	0.0	4.614	0.060	4	1	1	1
PL.7289	PL.7362	C	#1/0 ACSR	7.33Y	122.2	0.00	2.79	1.33	1	9	2	98	0.00	0.0	4.530	0.033	3	1	1	3
PL.7290	PL.7289	C	#1/0 ACSR	7.33Y	122.2	0.00	2.79	0.84	0	6	2	95	0.00	0.0	4.560	0.030	6	2	2	2
PL.7288	PL.7361	C	#4 ACSR	7.33Y	122.2	0.00	2.79	1.27	1	9	2	98	0.00	0.0	4.496	0.052	9	2	2	2
PL.7281	PL.7553	C	6 A (CWC)	7.34Y	122.4	0.00	2.63	0.72	1	5	1	98	0.00	0.0	3.486	0.061	0	0	0	2
PL.10166	PL.7281	C	6 A (CWC)	7.34Y	122.4	0.00	2.64	0.42	0	3	1	95	0.00	0.0	3.759	0.273	3	1	1	1
PL.7421	PL.10166	C	#1/0 ACSR	7.34Y	122.4	0.00	2.64	0.00	0	0	0	100	0.00	0.0	3.763	0.005	0	0	0	0
PD.1629-A	PL.7421	C	Open	7.34Y	122.4	0.00	2.64	0.00	0	0	0	100	0.00	0.0	3.763	0.005	0	0	0	0
PL.7282	PL.7281	C	#2 ACSR	7.34Y	122.4	0.00	2.63	0.30	0	2	1	89	0.00	0.0	3.552	0.066	2	1	1	1
PL.7276	PL.7356	C	6 A (CWC)	7.36Y	122.7	0.00	2.30	1.06	1	8	2	97	0.00	0.0	2.338	0.122	8	2	1	1
PL.7275	PL.7567	C	#4 ACSR	7.36Y	122.7	0.00	2.27	0.31	0	2	1	89	0.00	0.0	2.146	0.039	2	1	1	1
PL.7431	PL.7439	ABC	#1/0 ACSR	7.37Y	122.8	0.00	2.21	0.18	0	4	1	97	0.00	0.0	1.986	0.033	0	0	0	2
PL.7274	PL.7431	ABC	#1/0 ACSR	7.37Y	122.8	0.00	2.21	0.18	0	4	1	97	0.00	0.0	2.018	0.032	4	1	2	2
PL.7355	PL.7565	ABC	#1/0 ACSR	7.36Y	122.7	0.14	2.33	53.22	23	1138	300	97	1.13	0.1	1.828	0.149	0	0	0	336
PL.7746	PL.7355	C	#4 ACSR	7.36Y	122.7	0.00	2.33	1.83	1	13	3	97	0.00	0.0	1.833	0.005	0	0	0	7
PD.1595	PL.7746	C	65T	7.36Y	122.7	0.00	2.33	1.83	0	13	3	97	0.00	0.0	1.833	0.005	0	0	0	7
PL.7747	PD.1595	C	#4 ACSR	7.36Y	122.7	0.00	2.33	1.83	1	13	3	97	0.00	0.0	1.890	0.057	11	3	5	7
PL.7270	PL.7747	C	#4 ACSR	7.36Y	122.7	0.00	2.33	0.35	0	2	1	89	0.00	0.0	1.913	0.023	2	1	2	2
PL.7584	PL.7355	ABC	#1/0 ACSR	7.36Y	122.6	0.03	2.36	52.61	23	1123	295	97	0.23	0.0	1.860	0.032	4	1	1	329

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.7585	PL.7584	ABC	#1/0 ACSR	7.36Y	122.6	0.04	2.39	52.43	23	1119	294	97	0.27	0.0	1.898	0.038	12	3	2	328
PL.7583	PL.7585	ABC	#1/0 ACSR	7.35Y	122.6	0.02	2.42	51.89	23	1108	291	97	0.18	0.0	1.923	0.025	12	3	3	326
PL.7578	PL.7583	ABC	#1/0 ACSR	7.35Y	122.5	0.06	2.47	51.33	22	1095	287	97	0.43	0.0	1.984	0.061	0	0	0	323
PL.7579	PL.7578	ABC	#1/0 ACSR	7.35Y	122.5	0.04	2.51	51.33	22	1095	287	97	0.27	0.0	2.023	0.039	8	2	2	323
PL.7559	PL.7579	ABC	#1/0 ACSR	7.34Y	122.4	0.08	2.59	48.07	21	1025	269	97	0.59	0.1	2.118	0.095	1	0	1	308
PL.7560	PL.7559	ABC	#1/0 ACSR	7.34Y	122.3	0.08	2.67	48.02	21	1023	268	97	0.54	0.1	2.206	0.088	0	0	0	307
PL.7568	PL.7560	B	#1/0 ACSR	7.34Y	122.3	0.02	2.69	33.85	15	240	63	97	0.04	0.0	2.237	0.031	0	0	0	82
PD.1632	PL.7568	B	70L	7.34Y	122.3	0.00	2.69	33.85	48	240	63	97	0.00	0.0	2.237	0.031	0	0	0	82
PL.7569	PD.1632	B	#1/0 ACSR	7.34Y	122.3	0.03	2.72	33.85	15	240	63	97	0.05	0.0	2.277	0.040	4	1	1	82
PL.7561	PL.7569	B	#1/0 ACSR	7.33Y	122.2	0.04	2.76	33.34	14	237	62	97	0.07	0.0	2.333	0.056	6	1	2	81
PL.7558	PL.7561	B	#1/0 ACSR	7.33Y	122.2	0.03	2.79	32.55	14	231	60	97	0.04	0.0	2.372	0.038	13	3	1	79
PL.7556	PL.7558	B	#1/0 ACSR	7.31Y	121.8	0.43	3.22	30.69	13	218	57	97	0.61	0.3	2.989	0.617	8	2	1	78
PL.7364	PL.7556	B	#1/0 ACSR	7.30Y	121.7	0.04	3.26	27.80	12	197	51	97	0.05	0.0	3.048	0.059	0	0	0	76
PL.7615	PL.7364	B	#1/0 ACSR	7.30Y	121.7	0.03	3.28	26.31	11	186	48	97	0.03	0.0	3.091	0.043	0	0	0	73
PL.7616	PL.7615	B	#1/0 ACSR	7.30Y	121.7	0.02	3.31	26.31	11	186	48	97	0.03	0.0	3.132	0.041	17	4	2	73
PL.7544	PL.7616	B	#1/0 ACSR	7.30Y	121.7	0.03	3.34	23.95	10	169	44	97	0.04	0.0	3.195	0.063	3	1	2	71
PL.10202	PL.7544	B	#1/0 ACSR	7.30Y	121.6	0.02	3.36	23.58	10	167	43	97	0.02	0.0	3.236	0.040	11	3	2	69
PL.10203	PL.10202	B	#1/0 ACSR	7.30Y	121.6	0.02	3.38	21.97	10	155	40	97	0.02	0.0	3.274	0.038	0	0	1	67
PL.7732	PL.10203	B	#4 ACSR	7.30Y	121.6	0.00	3.38	4.41	3	31	8	97	0.00	0.0	3.279	0.005	0	0	0	3
PD.1587	PL.7732	B	30T	7.30Y	121.6	0.00	3.38	4.41	0	31	8	97	0.00	0.0	3.279	0.005	0	0	0	3
PL.7733	PD.1587	B	#4 ACSR	7.30Y	121.6	0.01	3.39	4.41	3	31	8	97	0.00	0.0	3.340	0.062	5	1	1	3
PL.7539	PL.7733	B	#4 ACSR	7.30Y	121.6	0.01	3.40	3.76	3	27	7	97	0.00	0.0	3.459	0.119	27	7	2	2
PL.7538	PL.7539	B	#4 ACSR	7.30Y	121.6	0.00	3.40	0.00	0	0	0	100	0.00	0.0	3.486	0.027	0	0	0	0
PL.7540	PL.10203	B	#1/0 ACSR	7.30Y	121.6	0.01	3.39	17.56	8	124	32	97	0.01	0.0	3.304	0.030	7	2	1	63
PL.7541	PL.7540	B	#1/0 ACSR	7.30Y	121.6	0.02	3.41	16.62	7	117	30	97	0.01	0.0	3.347	0.043	13	3	2	62
PL.7542	PL.7541	B	#1/0 ACSR	7.29Y	121.5	0.07	3.47	14.72	6	104	27	97	0.05	0.0	3.551	0.204	3	1	1	60
PL.7536	PL.7542	B	#1/0 ACSR	7.29Y	121.5	0.03	3.51	14.29	6	101	26	97	0.02	0.0	3.669	0.118	20	5	8	59
PL.7365	PL.7536	B	#1/0 ACSR	7.29Y	121.5	0.02	3.52	7.26	3	51	13	97	0.01	0.0	3.761	0.093	0	0	0	26
PL.7534	PL.7365	B	#1/0 ACSR	7.29Y	121.5	0.01	3.54	6.73	3	48	12	97	0.00	0.0	3.839	0.078	0	0	1	24
PL.7548	PL.7534	B	#1/0 ACSR	7.29Y	121.4	0.02	3.55	6.73	3	48	12	97	0.01	0.0	3.946	0.108	0	0	0	23
PL.7549	PL.7548	B	#1/0 ACSR	7.29Y	121.4	0.01	3.56	6.73	3	48	12	97	0.00	0.0	3.985	0.039	3	1	1	23

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: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.7551	PL.7549	B	#1/0 ACSR	7.29Y	121.4	0.00	3.56	6.34	3	45	11	97	0.00	0.0	4.007	0.022	9	2	1	22
PL.7552	PL.7551	B	#1/0 ACSR	7.29Y	121.4	0.01	3.57	5.06	2	36	9	97	0.00	0.0	4.081	0.074	0	0	1	21
PL.7533	PL.7552	B	#1/0 ACSR	7.29Y	121.4	0.01	3.58	5.06	2	36	9	97	0.00	0.0	4.137	0.056	1	0	1	20
PL.7720	PL.7533	B	#4 ACSR	7.29Y	121.4	0.00	3.58	0.62	0	4	1	97	0.00	0.0	4.141	0.005	0	0	0	2
PD.1581	PL.7720	B	30T	7.29Y	121.4	0.00	3.58	0.62	0	4	1	97	0.00	0.0	4.141	0.005	0	0	0	2
PL.7721	PD.1581	B	#4 ACSR	7.29Y	121.4	0.00	3.58	0.62	0	4	1	97	0.00	0.0	4.155	0.014	4	1	2	2
PL.7425	PL.7533	B	#1/0 ACSR	7.29Y	121.4	0.00	3.58	4.31	2	30	8	97	0.00	0.0	4.176	0.039	1	0	1	17
PL.7718	PL.7425	B	#4 ACSR	7.29Y	121.4	0.00	3.58	0.25	0	2	0	100	0.00	0.0	4.181	0.005	0	0	0	1
PD.1580	PL.7718	B	25T	7.29Y	121.4	0.00	3.58	0.25	0	2	0	100	0.00	0.0	4.181	0.005	0	0	0	1
PL.7719	PD.1580	B	#4 ACSR	7.29Y	121.4	0.00	3.58	0.25	0	2	0	100	0.00	0.0	4.247	0.067	2	0	1	1
PL.7424	PL.7425	B	#1/0 ACSR	7.28Y	121.4	0.02	3.60	3.87	2	27	7	97	0.00	0.0	4.358	0.182	0	0	0	15
PL.7724	PL.7424	B	#4 ACSR	7.28Y	121.4	0.00	3.60	0.09	0	1	0	100	0.00	0.0	4.363	0.005	0	0	0	2
PD.1583	PL.7724	B	30T	7.28Y	121.4	0.00	3.60	0.09	0	1	0	100	0.00	0.0	4.363	0.005	0	0	0	2
PL.7725	PD.1583	B	#4 ACSR	7.28Y	121.4	0.00	3.60	0.09	0	1	0	100	0.00	0.0	4.418	0.055	1	0	2	2
PL.7423	PL.7424	B	#1/0 ACSR	7.28Y	121.4	0.00	3.60	3.77	2	27	7	97	0.00	0.0	4.390	0.032	0	0	0	13
PL.7523	PL.7423	B	#1/0 ACSR	7.28Y	121.4	0.01	3.61	3.24	1	23	6	97	0.00	0.0	4.555	0.165	1	0	1	12
PL.7532	PL.7523	B	#1/0 ACSR	7.28Y	121.4	0.01	3.62	3.14	1	22	6	96	0.00	0.0	4.708	0.153	0	0	0	11
PL.7422	PL.7532	B	#1/0 ACSR	7.28Y	121.4	0.02	3.64	2.57	1	18	5	96	0.00	0.0	5.058	0.350	2	0	3	10
PL.7512	PL.7422	B	#1/0 ACSR	7.28Y	121.3	0.01	3.65	2.31	1	16	4	97	0.00	0.0	5.285	0.227	0	0	0	7
PL.7712	PL.7512	B	#2 ACSR	7.28Y	121.3	0.00	3.65	2.31	1	16	4	97	0.00	0.0	5.289	0.005	0	0	0	7
PD.1577	PL.7712	B	30T	7.28Y	121.3	0.00	3.65	2.31	0	16	4	97	0.00	0.0	5.289	0.005	0	0	0	7
PL.7713	PD.1577	B	#2 ACSR	7.28Y	121.3	0.03	3.68	2.31	1	16	4	97	0.00	0.0	5.638	0.349	0	0	0	7
PL.7710	PL.7713	B	#2 ACSR	7.28Y	121.3	0.00	3.68	0.00	0	0	0	100	0.00	0.0	5.642	0.005	0	0	0	2
PD.1576	PL.7710	B	20T	7.28Y	121.3	0.00	3.68	0.00	0	0	0	100	0.00	0.0	5.642	0.005	0	0	0	2
PL.7711	PD.1576	B	#2 ACSR	7.28Y	121.3	0.00	3.68	0.00	0	0	0	100	0.00	0.0	5.800	0.158	0	0	1	2
PL.7296	PL.7711	B	#2 ACSR	7.28Y	121.3	0.00	3.68	0.00	0	0	0	100	0.00	0.0	5.857	0.057	0	0	0	1
PL.7509	PL.7296	B	#2 ACSR	7.28Y	121.3	0.00	3.68	0.00	0	0	0	100	0.00	0.0	5.912	0.055	0	0	1	1
PL.7510	PL.7509	B	#2 ACSR	7.28Y	121.3	0.00	3.68	0.00	0	0	0	100	0.00	0.0	5.944	0.033	0	0	0	0
PL.7292	PL.7296	B	#1/0 ACSR	7.28Y	121.3	0.00	3.68	0.00	0	0	0	100	0.00	0.0	5.962	0.105	0	0	0	0
PL.7366	PL.7713	B	#2 ACSR	7.28Y	121.3	0.01	3.69	2.31	1	16	4	97	0.00	0.0	5.728	0.090	1	0	1	5
PL.7708	PL.7366	B	#4 ACSR	7.28Y	121.3	0.00	3.69	0.58	0	4	1	97	0.00	0.0	5.733	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: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% 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.1575	PL.7708	B	30T	7.28Y	121.3	0.00	3.69	0.58	0	4	1	97	0.00	0.0	5.733	0.005	0	0	0	1
PL.7709	PD.1575	B	#4 ACSR	7.28Y	121.3	0.00	3.69	0.58	0	4	1	97	0.00	0.0	5.871	0.138	4	1	1	1
PL.7507	PL.7366	B	#2 ACSR	7.28Y	121.3	0.00	3.69	1.55	1	11	3	96	0.00	0.0	5.802	0.074	7	2	1	3
PL.7508	PL.7507	B	#2 ACSR	7.28Y	121.3	0.00	3.69	0.52	0	4	1	97	0.00	0.0	5.880	0.078	2	0	1	2
PL.7506	PL.7508	B	#2 ACSR	7.28Y	121.3	0.00	3.69	0.30	0	2	1	89	0.00	0.0	5.931	0.051	2	1	1	1
PL.7716	PL.7532	B	#4 ACSR	7.28Y	121.4	0.00	3.62	0.57	0	4	1	97	0.00	0.0	4.712	0.005	0	0	0	1
PD.1579	PL.7716	B	15T	7.28Y	121.4	0.00	3.62	0.57	0	4	1	97	0.00	0.0	4.712	0.005	0	0	0	1
PL.7717	PD.1579	B	#4 ACSR	7.28Y	121.4	0.00	3.62	0.57	0	4	1	97	0.00	0.0	4.771	0.059	4	1	1	1
PL.7722	PL.7423	B	#4 ACSR	7.28Y	121.4	0.00	3.60	0.53	0	4	1	97	0.00	0.0	4.395	0.005	0	0	0	1
PD.1582	PL.7722	B	30T	7.28Y	121.4	0.00	3.60	0.53	0	4	1	97	0.00	0.0	4.395	0.005	0	0	0	1
PL.7723	PD.1582	B	#4 ACSR	7.28Y	121.4	0.00	3.60	0.53	0	4	1	97	0.00	0.0	4.459	0.064	4	1	1	1
PL.7730	PL.7365	B	#1/0 ACSR	7.29Y	121.5	0.00	3.52	0.53	0	4	1	97	0.00	0.0	3.766	0.005	0	0	0	2
PD.1586	PL.7730	B	15T	7.29Y	121.5	0.00	3.52	0.53	0	4	1	97	0.00	0.0	3.766	0.005	0	0	0	2
PL.7731	PD.1586	B	#1/0 ACSR	7.29Y	121.5	0.00	3.53	0.53	0	4	1	97	0.00	0.0	3.883	0.117	1	0	1	2
PL.7550	PL.7731	B	#1/0 ACSR	7.29Y	121.5	0.00	3.53	0.40	0	3	1	95	0.00	0.0	3.926	0.042	3	1	1	1
PL.7728	PL.7536	B	6 A (CWC)	7.29Y	121.5	0.00	3.51	4.20	3	30	8	97	0.00	0.0	3.673	0.005	0	0	0	25
PD.1585	PL.7728	B	30T	7.29Y	121.5	0.00	3.51	4.20	0	30	8	97	0.00	0.0	3.673	0.005	0	0	0	25
PL.7729	PD.1585	B	6 A (CWC)	7.29Y	121.5	0.02	3.53	4.20	3	30	8	97	0.01	0.0	3.796	0.123	0	0	1	25
PL.7537	PL.7729	B	6 A (CWC)	7.29Y	121.5	0.02	3.55	4.17	3	29	8	96	0.00	0.0	3.884	0.088	0	0	1	24
PL.7521	PL.7537	B	6 A (CWC)	7.29Y	121.4	0.02	3.57	3.99	3	28	7	97	0.00	0.0	3.992	0.108	4	1	2	22
PL.7522	PL.7521	B	6 A (CWC)	7.28Y	121.4	0.02	3.58	3.36	2	24	6	97	0.00	0.0	4.104	0.112	2	0	3	20
PL.7520	PL.7522	B	6 A (CWC)	7.28Y	121.4	0.01	3.60	3.09	2	22	6	96	0.00	0.0	4.204	0.101	0	0	0	17
PL.7519	PL.7520	B	6 A (CWC)	7.28Y	121.4	0.04	3.63	3.09	2	22	6	96	0.01	0.0	4.460	0.256	0	0	0	17
PL.7518	PL.7519	B	6 A (CWC)	7.28Y	121.3	0.02	3.65	3.09	2	22	6	96	0.00	0.0	4.602	0.142	1	0	1	17
PL.7515	PL.7518	B	6 A (CWC)	7.28Y	121.3	0.00	3.66	2.95	2	21	5	97	0.00	0.0	4.633	0.031	0	0	2	16
PL.7516	PL.7515	B	6 A (CWC)	7.28Y	121.3	0.01	3.66	2.88	2	20	5	97	0.00	0.0	4.681	0.049	2	0	1	14
PL.7514	PL.7516	B	6 A (CWC)	7.28Y	121.3	0.01	3.67	2.64	2	19	5	97	0.00	0.0	4.752	0.071	0	0	0	13
PL.7298	PL.7514	B	8 A (CWC)	7.28Y	121.3	0.04	3.71	2.54	3	18	5	96	0.00	0.0	5.011	0.259	5	1	2	12
PL.7637	PL.7298	B	8 A (CWC)	7.28Y	121.3	0.01	3.72	1.81	2	13	3	97	0.00	0.0	5.060	0.049	0	0	0	10
PL.7635	PL.7637	B	8 A (CWC)	7.28Y	121.3	0.01	3.73	1.81	2	13	3	97	0.00	0.0	5.141	0.081	1	0	1	10
PL.7634	PL.7635	B	8 A (CWC)	7.28Y	121.3	0.01	3.74	1.66	2	12	3	97	0.00	0.0	5.243	0.102	1	0	1	9

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.7633	PL.7634	B	8 A (CWC)	7.28Y	121.3	0.01	3.75	1.50	1	11	3	96	0.00	0.0	5.356	0.113	0	0	0	8
PL.7629	PL.7633	B	8 A (CWC)	7.27Y	121.2	0.01	3.76	1.23	1	9	2	98	0.00	0.0	5.467	0.111	0	0	0	7
PL.7630	PL.7629	B	8 A (CWC)	7.27Y	121.2	0.00	3.76	1.23	1	9	2	98	0.00	0.0	5.525	0.058	1	0	1	7
PL.7300	PL.7630	B	#1/0 ACSR	7.27Y	121.2	0.00	3.76	0.34	0	2	1	89	0.00	0.0	5.568	0.043	2	1	1	1
PL.7631	PL.7630	B	6 A (CWC)	7.27Y	121.2	0.00	3.77	0.74	1	5	1	98	0.00	0.0	5.672	0.148	1	0	1	5
PL.7632	PL.7631	B	6 A (CWC)	7.27Y	121.2	0.01	3.78	0.54	0	4	1	97	0.00	0.0	6.072	0.400	0	0	0	4
PL.10132	PL.7632	B	6 A (CWC)	7.27Y	121.2	0.00	3.78	0.54	0	4	1	97	0.00	0.0	6.077	0.005	0	0	0	4
PD.1601	PL.10132	B	10T	7.27Y	121.2	0.00	3.78	0.54	0	4	1	97	0.00	0.0	6.077	0.005	0	0	0	4
PL.7759	PD.1601	B	8 A (CWC)	7.27Y	121.2	0.00	3.78	0.54	1	4	1	97	0.00	0.0	6.147	0.070	0	0	0	4
PL.7301	PL.7759	B	#4 ACSR	7.27Y	121.2	0.00	3.78	0.12	0	1	0	100	0.00	0.0	6.343	0.196	0	0	1	2
PL.7618	PL.7301	B	#4 ACSR	7.27Y	121.2	0.00	3.78	0.10	0	1	0	100	0.00	0.0	6.459	0.117	1	0	1	1
PL.7302	PL.7759	B	6 A (CWC)	7.27Y	121.2	0.00	3.78	0.41	0	3	1	95	0.00	0.0	6.166	0.019	0	0	0	2
PL.7619	PL.7302	B	#4 ACSR	7.27Y	121.2	0.00	3.78	0.41	0	3	1	95	0.00	0.0	6.234	0.068	3	1	1	2
PL.7620	PL.7619	B	#4 ACSR	7.27Y	121.2	0.00	3.78	0.02	0	0	0	100	0.00	0.0	6.622	0.388	0	0	1	1
PL.7299	PL.7633	B	#4 ACSR	7.28Y	121.3	0.00	3.75	0.27	0	2	0	100	0.00	0.0	5.426	0.070	2	0	1	1
PL.7297	PL.7514	B	6 A (CWC)	7.28Y	121.3	0.00	3.67	0.09	0	1	0	100	0.00	0.0	4.821	0.069	0	0	0	1
PL.7714	PL.7297	B	6 A (CWC)	7.28Y	121.3	0.00	3.67	0.09	0	1	0	100	0.00	0.0	4.826	0.005	0	0	0	1
PD.1578	PL.7714	B	20T	7.28Y	121.3	0.00	3.67	0.09	0	1	0	100	0.00	0.0	4.826	0.005	0	0	0	1
PL.7715	PD.1578	B	6 A (CWC)	7.28Y	121.3	0.00	3.67	0.09	0	1	0	100	0.00	0.0	4.854	0.029	1	0	1	1
PL.7513	PL.7715	B	6 A (CWC)	7.28Y	121.3	0.00	3.67	0.00	0	0	0	100	0.00	0.0	4.912	0.058	0	0	0	0
PL.7293	PL.7537	B	#4 ACSR	7.29Y	121.4	0.00	3.55	0.11	0	1	0	100	0.00	0.0	3.905	0.022	0	0	0	1
PL.7726	PL.7293	B	#2 ACSR	7.29Y	121.4	0.00	3.55	0.11	0	1	0	100	0.00	0.0	3.909	0.004	0	0	0	1
PD.1584	PL.7726	B	30T	7.29Y	121.4	0.00	3.55	0.11	0	1	0	100	0.00	0.0	3.909	0.004	0	0	0	1
PL.7727	PD.1584	B	#2 ACSR	7.29Y	121.4	0.00	3.55	0.11	0	1	0	100	0.00	0.0	3.962	0.053	1	0	1	1
PL.7736	PL.7364	B	#1/0 ACSR	7.30Y	121.7	0.00	3.26	1.48	1	11	3	96	0.00	0.0	3.053	0.005	0	0	0	3
PD.1589	PL.7736	B	30T	7.30Y	121.7	0.00	3.26	1.48	0	11	3	96	0.00	0.0	3.053	0.005	0	0	0	3
PL.7737	PD.1589	B	#1/0 ACSR	7.30Y	121.7	0.00	3.26	1.48	1	11	3	96	0.00	0.0	3.193	0.140	3	1	1	3
PL.7546	PL.7737	B	#1/0 ACSR	7.30Y	121.7	0.00	3.26	1.09	0	8	2	97	0.00	0.0	3.250	0.057	3	1	1	2
PL.7547	PL.7546	B	#1/0 ACSR	7.30Y	121.7	0.00	3.26	0.66	0	5	1	98	0.00	0.0	3.289	0.039	5	1	1	1
PL.7738	PL.7556	B	#4 ACSR	7.31Y	121.8	0.00	3.22	1.70	1	12	3	97	0.00	0.0	2.994	0.005	0	0	0	1
PD.1590	PL.7738	B	30T	7.31Y	121.8	0.00	3.22	1.70	0	12	3	97	0.00	0.0	2.994	0.005	0	0	0	1

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.7739	PD.1590	B	#4 ACSR	7.31Y	121.8	0.00	3.22	1.70	1	12	3	97	0.00	0.0	3.085	0.091	12	3	1	1
PL.7363	PL.7560	ABC	#1/0 ACSR	7.34Y	122.3	0.04	2.71	36.73	16	782	205	97	0.22	0.0	2.267	0.061	0	0	0	225
PL.7505	PL.7363	ABC	#1/0 ACSR	7.34Y	122.3	0.04	2.74	35.00	15	745	195	97	0.19	0.0	2.327	0.060	13	3	3	217
PL.7650	PL.7505	ABC	#1/0 ACSR	7.33Y	122.2	0.06	2.81	34.38	15	732	192	97	0.32	0.0	2.428	0.101	0	0	1	214
PL.7651	PL.7650	ABC	#1/0 ACSR	7.33Y	122.1	0.04	2.85	34.38	15	731	191	97	0.23	0.0	2.500	0.072	1	0	1	213
PL.7649	PL.7651	ABC	#1/0 ACSR	7.32Y	122.0	0.11	2.96	34.32	15	730	191	97	0.54	0.1	2.674	0.173	1	0	1	212
PL.7648	PL.7649	ABC	#1/0 ACSR	7.31Y	121.9	0.13	3.09	34.27	15	728	190	97	0.67	0.1	2.889	0.215	0	0	0	211
PL.7646	PL.7648	ABC	#1/0 ACSR	7.31Y	121.9	0.02	3.11	29.90	13	635	166	97	0.08	0.0	2.922	0.033	1	0	1	186
PL.7647	PL.7646	ABC	#1/0 ACSR	7.31Y	121.8	0.08	3.18	29.86	13	634	165	97	0.34	0.1	3.064	0.142	0	0	0	185
PL.7642	PL.7647	ABC	#1/0 ACSR	7.31Y	121.8	0.06	3.24	28.62	12	607	158	97	0.26	0.0	3.183	0.119	0	0	0	174
PL.7643	PL.7642	ABC	#1/0 ACSR	7.30Y	121.7	0.03	3.27	28.62	12	607	158	97	0.11	0.0	3.232	0.049	4	1	1	174
PL.7644	PL.7643	ABC	#1/0 ACSR	7.30Y	121.7	0.05	3.32	28.45	12	603	157	97	0.20	0.0	3.325	0.093	7	2	5	173
PL.7760	PL.7644	C	6 A (CWC)	7.30Y	121.7	0.00	3.32	5.23	4	37	9	97	0.00	0.0	3.329	0.004	0	0	0	7
PD.1602	PL.7760	C	65T	7.30Y	121.7	0.00	3.32	5.23	0	37	9	97	0.00	0.0	3.329	0.004	0	0	0	7
PL.7761	PD.1602	C	6 A (CWC)	7.30Y	121.6	0.05	3.36	5.23	4	37	9	97	0.01	0.0	3.546	0.216	9	2	2	7
PL.7641	PL.7761	C	6 A (CWC)	7.30Y	121.6	0.02	3.38	4.01	3	28	7	97	0.00	0.0	3.680	0.134	14	3	1	5
PL.7627	PL.7641	C	6 A (CWC)	7.30Y	121.6	0.00	3.39	2.08	1	15	4	97	0.00	0.0	3.740	0.060	5	1	2	3
PL.7628	PL.7627	C	6 A (CWC)	7.30Y	121.6	0.00	3.39	1.41	1	10	3	96	0.00	0.0	3.841	0.101	10	3	1	1
PL.7321	PL.7641	C	#2 ACSR	7.30Y	121.6	0.00	3.38	0.00	0	0	0	100	0.00	0.0	3.757	0.077	0	0	1	1
PL.7455	PL.7644	ABC	#1/0 ACSR	7.30Y	121.7	0.03	3.34	26.37	11	559	145	97	0.10	0.0	3.380	0.055	8	2	3	161
PL.7460	PL.7455	ABC	#1/0 ACSR	7.30Y	121.6	0.02	3.36	26.02	11	551	143	97	0.06	0.0	3.413	0.032	0	0	0	158
PL.7463	PL.7460	ABC	#1/0 ACSR	7.30Y	121.6	0.04	3.39	23.28	10	493	128	97	0.13	0.0	3.503	0.091	0	0	0	145
PL.7464	PL.7463	ABC	#1/0 ACSR	7.30Y	121.6	0.02	3.41	23.19	10	491	128	97	0.07	0.0	3.551	0.048	0	0	0	144
PL.7702	PL.7464	C	#1/0 ACSR	7.30Y	121.6	0.00	3.41	2.63	1	19	5	97	0.00	0.0	3.556	0.005	0	0	0	3
PD.1572	PL.7702	C	65T	7.30Y	121.6	0.00	3.41	2.63	0	19	5	97	0.00	0.0	3.556	0.005	0	0	0	3
PL.7703	PD.1572	C	#1/0 ACSR	7.30Y	121.6	0.00	3.41	2.63	1	19	5	97	0.00	0.0	3.567	0.012	19	5	3	3
PL.7465	PL.7464	ABC	#1/0 ACSR	7.29Y	121.5	0.06	3.47	22.32	10	473	123	97	0.19	0.0	3.692	0.141	6	2	1	141
PL.7700	PL.7465	C	#1/0 ACSR	7.29Y	121.5	0.00	3.47	2.23	1	16	4	97	0.00	0.0	3.697	0.005	0	0	0	2
PD.1571	PL.7700	C	65T	7.29Y	121.5	0.00	3.47	2.23	0	16	4	97	0.00	0.0	3.697	0.005	0	0	0	2
PL.7701	PD.1571	C	#1/0 ACSR	7.29Y	121.5	0.00	3.47	2.23	1	16	4	97	0.00	0.0	3.833	0.136	16	4	2	2
PL.7374	PL.7465	ABC	#1/0 ACSR	7.29Y	121.5	0.02	3.49	21.28	9	450	117	97	0.06	0.0	3.740	0.048	14	4	3	138

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.7798	PL.7374	A	#2 ACSR	7.29Y	121.5	0.00	3.49	3.09	2	22	6	96	0.00	0.0	3.745	0.005	0	0	0	5
PD.1622	PL.7798	A	65T	7.29Y	121.5	0.00	3.49	3.09	0	22	6	96	0.00	0.0	3.745	0.005	0	0	0	5
PL.7799	PD.1622	A	#2 ACSR	7.29Y	121.5	0.01	3.50	3.09	2	22	6	96	0.00	0.0	3.828	0.083	0	0	0	5
PL.7491	PL.7799	A	#4 ACSR	7.29Y	121.5	0.00	3.50	0.64	0	5	1	98	0.00	0.0	3.928	0.100	2	1	1	3
PL.7492	PL.7491	A	#4 ACSR	7.29Y	121.5	0.00	3.50	0.32	0	2	1	89	0.00	0.0	4.027	0.100	0	0	0	2
PL.7383	PL.7492	A	#4 ACSR	7.29Y	121.5	0.00	3.50	0.32	0	2	1	89	0.00	0.0	4.154	0.126	2	1	2	2
PL.7325	PL.7799	A	#2 ACSR	7.29Y	121.5	0.00	3.50	1.35	1	10	2	98	0.00	0.0	3.908	0.080	10	2	1	1
PL.7376	PL.7799	A	#2 ACSR	7.29Y	121.5	0.00	3.50	1.10	1	8	2	97	0.00	0.0	3.888	0.060	8	2	1	1
PL.7375	PL.7374	ABC	#1/0 ACSR	7.28Y	121.4	0.14	3.63	19.60	9	415	108	97	0.41	0.1	4.138	0.397	0	0	0	130
PL.10143	PL.7375	ABC	#1/0 ACSR	7.28Y	121.4	0.00	3.63	19.60	9	414	108	97	0.00	0.0	4.140	0.003	0	0	0	130
PD.1636	PL.10143	ABC	50L	7.28Y	121.4	0.00	3.63	19.60	39	414	108	97	0.00	0.0	4.140	0.003	0	0	0	130
PL.7577	PD.1636	ABC	#1/0 ACSR	7.28Y	121.4	0.02	3.65	19.60	9	414	108	97	0.05	0.0	4.190	0.049	11	3	2	130
PL.7486	PL.7577	ABC	#1/0 ACSR	7.28Y	121.3	0.06	3.71	19.09	8	404	105	97	0.18	0.0	4.378	0.188	5	1	2	128
PL.7488	PL.7486	ABC	#1/0 ACSR	7.28Y	121.3	0.02	3.73	16.90	7	357	93	97	0.05	0.0	4.445	0.067	0	0	0	115
PL.7489	PL.7488	ABC	#1/0 ACSR	7.28Y	121.3	0.01	3.74	16.90	7	357	93	97	0.02	0.0	4.472	0.028	4	1	1	115
PL.7487	PL.7489	ABC	#1/0 ACSR	7.27Y	121.2	0.01	3.75	16.71	7	353	92	97	0.04	0.0	4.520	0.048	0	0	0	114
PL.7772	PL.7487	A	#2 ACSR	7.27Y	121.2	0.00	3.75	1.42	1	10	3	96	0.00	0.0	4.525	0.005	0	0	0	2
PD.1609	PL.7772	A	20T	7.27Y	121.2	0.00	3.75	1.42	0	10	3	96	0.00	0.0	4.525	0.005	0	0	0	2
PL.7773	PD.1609	A	#2 ACSR	7.27Y	121.2	0.00	3.75	1.42	1	10	3	96	0.00	0.0	4.547	0.022	10	3	2	2
PL.7666	PL.7487	ABC	#1/0 ACSR	7.27Y	121.2	0.01	3.76	16.24	7	343	89	97	0.03	0.0	4.562	0.041	7	2	3	112
PL.7667	PL.7666	ABC	#1/0 ACSR	7.27Y	121.2	0.02	3.78	15.90	7	336	87	97	0.04	0.0	4.629	0.067	8	2	3	109
PL.7770	PL.7667	A	#2 ACSR	7.27Y	121.2	0.00	3.78	0.49	0	3	1	95	0.00	0.0	4.633	0.005	0	0	0	1
PD.1608	PL.7770	A	20T	7.27Y	121.2	0.00	3.78	0.49	0	3	1	95	0.00	0.0	4.633	0.005	0	0	0	1
PL.7771	PD.1608	A	#2 ACSR	7.27Y	121.2	0.00	3.78	0.49	0	3	1	95	0.00	0.0	4.671	0.037	0	0	0	1
PL.7295	PL.7771	A	#2 ACSR	7.27Y	121.2	0.00	3.78	0.00	0	0	0	100	0.00	0.0	4.734	0.063	0	0	0	0
PL.7378	PL.7771	A	#2 ACSR	7.27Y	121.2	0.00	3.78	0.49	0	3	1	95	0.00	0.0	4.727	0.056	3	1	1	1
PL.7664	PL.7667	ABC	#1/0 ACSR	7.27Y	121.2	0.02	3.80	15.33	7	324	84	97	0.04	0.0	4.694	0.065	1	0	1	105
PL.7665	PL.7664	ABC	#1/0 ACSR	7.27Y	121.2	0.00	3.81	15.27	7	322	84	97	0.01	0.0	4.712	0.018	5	1	2	104
PL.7663	PL.7665	ABC	#1/0 ACSR	7.27Y	121.2	0.02	3.83	15.02	7	317	82	97	0.05	0.0	4.797	0.085	9	2	3	102
PL.7692	PL.7663	ABC	#1/0 ACSR	7.27Y	121.1	0.03	3.86	14.61	6	308	80	97	0.06	0.0	4.906	0.109	2	1	1	99
PL.7693	PL.7692	ABC	#1/0 ACSR	7.27Y	121.1	0.01	3.87	14.51	6	306	79	97	0.02	0.0	4.939	0.033	1	0	2	98

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.7470	PL.7693	ABC	#1/0 ACSR	7.27Y	121.1	0.04	3.91	14.41	6	304	79	97	0.09	0.0	5.095	0.156	1	0	1	95
PL.7766	PL.7470	C	#4 ACSR	7.27Y	121.1	0.00	3.91	0.45	0	3	1	95	0.00	0.0	5.099	0.005	0	0	0	1
PD.1606	PL.7766	C	20T	7.27Y	121.1	0.00	3.91	0.45	0	3	1	95	0.00	0.0	5.099	0.005	0	0	0	1
PL.7767	PD.1606	C	#4 ACSR	7.27Y	121.1	0.00	3.91	0.45	0	3	1	95	0.00	0.0	5.189	0.090	3	1	1	1
PL.7469	PL.7470	ABC	#1/0 ACSR	7.26Y	121.0	0.11	4.02	14.24	6	300	78	97	0.24	0.1	5.542	0.447	0	0	1	93
PL.7468	PL.7469	ABC	#1/0 ACSR	7.26Y	120.9	0.06	4.08	12.64	5	267	69	97	0.12	0.0	5.825	0.283	5	1	4	83
PL.7656	PL.7468	ABC	#1/0 ACSR	7.25Y	120.9	0.02	4.10	12.43	5	262	67	97	0.03	0.0	5.905	0.080	0	0	0	79
PL.7466	PL.7656	ABC	#1/0 ACSR	7.25Y	120.9	0.01	4.11	9.73	4	205	53	97	0.01	0.0	5.956	0.051	0	0	0	66
PL.7654	PL.7466	ABC	#1/0 ACSR	7.25Y	120.9	0.00	4.11	9.73	4	205	53	97	0.00	0.0	5.975	0.020	3	1	1	66
PL.7673	PL.7654	ABC	#1/0 ACSR	7.25Y	120.9	0.03	4.14	9.60	4	202	52	97	0.05	0.0	6.162	0.187	0	0	0	65
PL.7674	PL.7673	ABC	#1/0 ACSR	7.25Y	120.8	0.05	4.19	9.60	4	202	52	97	0.06	0.0	6.427	0.265	0	0	0	65
PL.7780	PL.7674	C	6 A (CWC)	7.25Y	120.8	0.00	4.19	0.00	0	0	0	100	0.00	0.0	6.431	0.004	0	0	0	2
PD.1613	PL.7780	C	20T	7.25Y	120.8	0.00	4.19	0.00	0	0	0	100	0.00	0.0	6.431	0.004	0	0	0	2
PL.7781	PD.1613	C	6 A (CWC)	7.25Y	120.8	0.00	4.19	0.00	0	0	0	100	0.00	0.0	6.521	0.090	0	0	2	2
PL.7671	PL.7674	ABC	#1/0 ACSR	7.25Y	120.8	0.02	4.21	9.60	4	202	52	97	0.02	0.0	6.525	0.098	1	0	1	63
PL.7672	PL.7671	ABC	#1/0 ACSR	7.25Y	120.8	0.03	4.24	9.55	4	201	52	97	0.04	0.0	6.703	0.178	0	0	0	62
PL.7379	PL.7672	ABC	#1/0 ACSR	7.24Y	120.7	0.02	4.25	4.84	2	102	26	97	0.01	0.0	6.885	0.182	0	0	1	27
PL.7776	PL.7379	C	6 A (CWC)	7.24Y	120.7	0.00	4.25	2.85	2	20	5	97	0.00	0.0	6.889	0.005	0	0	0	4
PD.1611	PL.7776	C	20T	7.24Y	120.7	0.00	4.25	2.85	0	20	5	97	0.00	0.0	6.889	0.005	0	0	0	4
PL.7777	PD.1611	C	6 A (CWC)	7.24Y	120.7	0.01	4.26	2.85	2	20	5	97	0.00	0.0	6.940	0.051	2	1	2	4
PL.7670	PL.7777	C	6 A (CWC)	7.24Y	120.7	0.00	4.26	2.52	2	18	5	96	0.00	0.0	6.982	0.043	18	5	2	2
PL.7380	PL.7379	ABC	#1/0 ACSR	7.24Y	120.7	0.01	4.26	3.89	2	82	21	97	0.00	0.0	6.979	0.095	0	0	0	22
PL.7668	PL.7380	ABC	#1/0 ACSR	7.24Y	120.7	0.00	4.26	3.63	2	76	20	97	0.00	0.0	7.019	0.040	11	3	1	21
PL.7669	PL.7668	ABC	#1/0 ACSR	7.24Y	120.7	0.00	4.27	3.12	1	66	17	97	0.00	0.0	7.107	0.087	0	0	0	20
PL.7774	PL.7669	A	#4 ACSR	7.24Y	120.7	0.00	4.27	0.00	0	0	0	100	0.00	0.0	7.111	0.005	0	0	0	0
PD.1610	PL.7774	A	20T	7.24Y	120.7	0.00	4.27	0.00	0	0	0	100	0.00	0.0	7.111	0.005	0	0	0	0
PL.7775	PD.1610	A	#4 ACSR	7.24Y	120.7	0.00	4.27	0.00	0	0	0	100	0.00	0.0	7.221	0.110	0	0	0	0
PL.7381	PL.7669	ABC	#1/0 ACSR	7.24Y	120.7	0.01	4.27	3.12	1	66	17	97	0.00	0.0	7.208	0.101	0	0	0	20
PL.7341	PL.7381	ABC	#1/0 ACSR	7.24Y	120.7	0.00	4.28	3.12	1	66	17	97	0.00	0.0	7.281	0.073	5	1	2	20
PL.7688	PL.7341	ABC	#1/0 ACSR	7.24Y	120.7	0.00	4.28	2.89	1	61	16	97	0.00	0.0	7.331	0.050	14	3	3	18
PL.7689	PL.7688	ABC	#1/0 ACSR	7.24Y	120.7	0.01	4.29	2.24	1	47	12	97	0.00	0.0	7.547	0.216	0	0	0	15

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.7382	PL.7689	ABC	#1/0 ACSR	7.24Y	120.7	0.00	4.29	1.99	1	42	11	97	0.00	0.0	7.632	0.084	0	0	0	11
PL.7429	PL.7382	ABC	#1/0 ACSR	7.24Y	120.7	0.00	4.29	1.52	1	32	8	97	0.00	0.0	7.718	0.086	4	1	2	8
PL.7782	PL.7429	C	#4 ACSR	7.24Y	120.7	0.00	4.29	3.43	3	24	6	97	0.00	0.0	7.722	0.005	0	0	0	4
PD.1614	PL.7782	C	20T	7.24Y	120.7	0.00	4.29	3.43	0	24	6	97	0.00	0.0	7.722	0.005	0	0	0	4
PL.7783	PD.1614	C	#4 ACSR	7.24Y	120.7	0.00	4.30	3.43	3	24	6	97	0.00	0.0	7.758	0.035	14	4	3	4
PL.7687	PL.7783	C	#4 ACSR	7.24Y	120.7	0.00	4.30	1.45	1	10	3	96	0.00	0.0	7.804	0.046	10	3	1	1
PL.7802	PL.7429	A	#2/0 ACSR	7.24Y	120.7	0.00	4.29	0.59	0	4	1	97	0.00	0.0	7.722	0.005	0	0	0	2
PD.1624	PL.7802	A	20T	7.24Y	120.7	0.00	4.29	0.59	0	4	1	97	0.00	0.0	7.722	0.005	0	0	0	2
PL.7803	PD.1624	A	#2/0 ACSR	7.24Y	120.7	0.00	4.29	0.59	0	4	1	97	0.00	0.0	7.740	0.017	4	1	2	2
PL.7810	PL.7429	ABC	#1/0 ACSR	7.24Y	120.7	0.00	4.29	0.00	0	0	0	100	0.00	0.0	7.747	0.029	0	0	0	0
PD.1628-A	PL.7810	ABC	Open	7.24Y	120.7	0.00	4.29	0.00	0	0	0	100	0.00	0.0	7.747	0.029	0	0	0	0
PL.7686	PL.7382	A	#4 ACSR	7.24Y	120.7	0.00	4.29	1.40	1	10	3	96	0.00	0.0	7.656	0.024	0	0	1	3
PL.7784	PL.7686	A	#4 ACSR	7.24Y	120.7	0.00	4.29	1.40	1	10	3	96	0.00	0.0	7.660	0.005	0	0	0	2
PD.1615	PL.7784	A	20T	7.24Y	120.7	0.00	4.29	1.40	0	10	3	96	0.00	0.0	7.660	0.005	0	0	0	2
PL.7785	PD.1615	A	#4 ACSR	7.24Y	120.7	0.00	4.29	1.40	1	10	3	96	0.00	0.0	7.688	0.027	10	3	2	2
PL.7786	PL.7689	B	6 A (CWC)	7.24Y	120.7	0.00	4.29	0.76	1	5	1	98	0.00	0.0	7.552	0.005	0	0	0	4
PD.1616	PL.7786	B	20T	7.24Y	120.7	0.00	4.29	0.76	0	5	1	98	0.00	0.0	7.552	0.005	0	0	0	4
PL.7787	PD.1616	B	6 A (CWC)	7.24Y	120.7	0.00	4.29	0.76	1	5	1	98	0.00	0.0	7.751	0.199	5	1	2	4
PL.7441	PL.7787	B	6 A (CWC)	7.24Y	120.7	0.00	4.29	0.08	0	1	0	100	0.00	0.0	8.130	0.379	1	0	1	1
PL.7344	PL.7787	B	#4 ACSR	7.24Y	120.7	0.00	4.29	0.03	0	0	0	100	0.00	0.0	7.932	0.181	0	0	1	1
PL.7778	PL.7380	C	#2 ACSR	7.24Y	120.7	0.00	4.26	0.77	0	5	1	98	0.00	0.0	6.984	0.005	0	0	0	1
PD.1612	PL.7778	C	20T	7.24Y	120.7	0.00	4.26	0.77	0	5	1	98	0.00	0.0	6.984	0.005	0	0	0	1
PL.7779	PD.1612	C	#2 ACSR	7.24Y	120.7	0.00	4.26	0.77	0	5	1	98	0.00	0.0	7.048	0.064	5	1	1	1
PL.7433	PL.7672	C	#4 ACSR	7.24Y	120.7	0.08	4.31	14.13	11	99	26	97	0.06	0.1	6.826	0.123	0	0	1	35
PL.7434	PL.7433	C	#4 ACSR	7.23Y	120.5	0.14	4.46	13.88	11	97	25	97	0.11	0.1	7.060	0.234	3	1	2	33
PL.7676	PL.7434	C	#4 ACSR	7.23Y	120.5	0.03	4.49	13.47	10	94	24	97	0.02	0.0	7.116	0.056	1	0	1	31
PL.7574	PL.7676	C	6 A (CWC)	7.23Y	120.5	0.03	4.52	13.35	10	93	24	97	0.02	0.0	7.170	0.054	0	0	0	30
PD.1635	PL.7574	C	100CodeSMo	7.23Y	120.5	0.00	4.52	13.35	0	93	24	97	0.00	0.0	7.170	0.054	0	0	0	30
PL.7575	PD.1635	C	6 A (CWC)	7.23Y	120.5	0.02	4.54	13.35	10	93	24	97	0.01	0.0	7.200	0.030	0	0	0	30
PL.7435	PL.7575	C	6 A (CWC)	7.22Y	120.4	0.11	4.65	12.81	9	90	23	97	0.07	0.1	7.384	0.185	0	0	0	29
PL.7436	PL.7435	C	6 A (CWC)	7.22Y	120.3	0.06	4.71	12.81	9	90	23	97	0.04	0.0	7.490	0.106	4	1	1	29

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: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.7343	PL.7436	C	#4 ACSR	7.22Y	120.3	0.00	4.71	3.23	2	23	6	97	0.00	0.0	7.533	0.043	23	6	5	5
PL.7680	PL.7436	C	6 A (CWC)	7.22Y	120.3	0.01	4.72	8.94	6	62	16	97	0.00	0.0	7.514	0.024	20	5	4	23
PL.7681	PL.7680	C	6 A (CWC)	7.21Y	120.2	0.11	4.83	6.03	4	42	11	97	0.03	0.1	7.927	0.413	3	1	3	19
PL.7679	PL.7681	C	6 A (CWC)	7.21Y	120.2	0.01	4.84	5.64	4	39	10	97	0.00	0.0	7.978	0.051	0	0	1	16
PL.7677	PL.7679	C	6 A (CWC)	7.21Y	120.1	0.01	4.85	5.64	4	39	10	97	0.00	0.0	8.042	0.064	20	5	6	15
PL.7684	PL.7677	C	6 A (CWC)	7.21Y	120.1	0.01	4.86	2.82	2	20	5	97	0.00	0.0	8.092	0.050	3	1	1	9
PL.7685	PL.7684	C	6 A (CWC)	7.21Y	120.1	0.00	4.86	2.37	2	17	4	97	0.00	0.0	8.138	0.046	4	1	1	8
PL.7478	PL.7685	C	6 A (CWC)	7.21Y	120.1	0.03	4.89	1.86	1	13	3	97	0.00	0.0	8.436	0.298	0	0	0	7
PL.7623	PL.7478	C	6 A (CWC)	7.21Y	120.1	0.01	4.90	1.70	1	12	3	97	0.00	0.0	8.594	0.158	2	1	2	6
PL.7624	PL.7623	C	6 A (CWC)	7.21Y	120.1	0.01	4.90	1.34	1	9	2	98	0.00	0.0	8.688	0.094	0	0	0	4
PL.7625	PL.7624	C	#4 ACSR	7.21Y	120.1	0.01	4.91	1.34	1	9	2	98	0.00	0.0	8.780	0.092	0	0	1	4
PL.7626	PL.7625	C	#4 ACSR	7.21Y	120.1	0.00	4.91	1.34	1	9	2	98	0.00	0.0	8.845	0.066	9	2	3	3
PL.7621	PL.7478	C	#4 ACSR	7.21Y	120.1	0.00	4.89	0.16	0	1	0	100	0.00	0.0	8.489	0.053	0	0	0	1
PL.7622	PL.7621	C	#4 ACSR	7.21Y	120.1	0.00	4.89	0.16	0	1	0	100	0.00	0.0	8.650	0.161	1	0	1	1
PL.7682	PL.7435	C	#4 ACSR	7.22Y	120.4	0.00	4.65	0.00	0	0	0	100	0.00	0.0	7.489	0.105	0	0	0	0
PL.7683	PL.7682	C	#1/0 ACSR	7.22Y	120.4	0.00	4.65	0.00	0	0	0	100	0.00	0.0	7.549	0.060	0	0	0	0
PL.7342	PL.7575	C	#4 ACSR	7.23Y	120.5	0.00	4.54	0.54	0	4	1	97	0.00	0.0	7.243	0.043	4	1	1	1
PL.7339	PL.7433	C	6 A (CWC)	7.24Y	120.7	0.00	4.31	0.22	0	2	0	100	0.00	0.0	6.915	0.089	2	0	1	1
PL.7572	PL.7656	A	#4 ACSR	7.25Y	120.9	0.00	4.10	8.08	6	57	15	97	0.00	0.0	5.908	0.003	0	0	0	13
PD.1634	PL.7572	A	35H	7.25Y	120.9	0.00	4.10	8.08	23	57	15	97	0.00	0.0	5.908	0.003	0	0	0	13
PL.7573	PD.1634	A	#4 ACSR	7.25Y	120.9	0.04	4.15	8.08	6	57	15	97	0.02	0.0	6.038	0.130	4	1	2	13
PL.7652	PL.7573	A	#4 ACSR	7.25Y	120.8	0.01	4.16	2.57	2	18	5	96	0.00	0.0	6.119	0.081	0	0	0	3
PL.7653	PL.7652	A	#4 ACSR	7.25Y	120.8	0.02	4.17	2.57	2	18	5	96	0.00	0.0	6.295	0.176	3	1	1	3
PL.7336	PL.7653	A	#2 ACSR	7.25Y	120.8	0.00	4.18	2.17	1	15	4	97	0.00	0.0	6.316	0.021	0	0	0	2
PL.7690	PL.7336	A	#4 ACSR	7.25Y	120.8	0.00	4.18	1.12	1	8	2	97	0.00	0.0	6.387	0.071	8	2	1	1
PL.7691	PL.7690	A	#4 ACSR	7.25Y	120.8	0.00	4.18	0.00	0	0	0	100	0.00	0.0	6.504	0.117	0	0	0	0
PL.7337	PL.7336	A	#2 ACSR	7.25Y	120.8	0.00	4.18	1.05	1	7	2	96	0.00	0.0	6.335	0.019	7	2	1	1
PL.7657	PL.7573	A	#4 ACSR	7.25Y	120.8	0.01	4.15	4.90	4	34	9	97	0.00	0.0	6.064	0.026	5	1	1	8
PL.7658	PL.7657	A	#4 ACSR	7.25Y	120.8	0.06	4.21	4.12	3	29	7	97	0.01	0.0	6.382	0.318	2	1	1	7
PL.7659	PL.7658	A	6 A (CWC)	7.25Y	120.8	0.02	4.22	3.77	3	26	7	97	0.00	0.0	6.473	0.091	2	1	1	6
PL.7660	PL.7659	A	6 A (CWC)	7.25Y	120.8	0.02	4.25	3.49	2	24	6	97	0.00	0.0	6.644	0.171	4	1	1	5

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.7661	PL.7660	A	6 A (CWC)	7.24Y	120.7	0.01	4.26	2.92	2	20	5	97	0.00	0.0	6.742	0.098	7	2	1	4
PL.7662	PL.7661	A	6 A (CWC)	7.24Y	120.7	0.00	4.26	1.96	1	14	4	96	0.00	0.0	6.755	0.013	2	0	2	3
PL.7338	PL.7662	A	6 A (CWC)	7.24Y	120.7	0.00	4.26	1.69	1	12	3	97	0.00	0.0	6.811	0.055	12	3	1	1
PL.7800	PL.7469	C	#2 ACSR	7.26Y	121.0	0.00	4.02	4.71	3	33	8	97	0.00	0.0	5.546	0.005	0	0	0	8
PD.1623	PL.7800	C	20T	7.26Y	121.0	0.00	4.02	4.71	0	33	8	97	0.00	0.0	5.546	0.005	0	0	0	8
PL.7801	PD.1623	C	#2 ACSR	7.26Y	121.0	0.03	4.05	4.71	3	33	8	97	0.01	0.0	5.740	0.193	0	0	0	8
PL.10144	PL.7801	C	6 A (CWC)	7.26Y	121.0	0.00	4.05	4.71	3	33	8	97	0.00	0.0	5.741	0.001	0	0	0	8
PD.1877	PL.10144	C	T	7.26Y	121.0	0.00	4.05	4.71	0	33	8	97	0.00	0.0	5.741	0.001	0	0	0	8
PL.10145	PD.1877	C	6 A (CWC)	7.26Y	121.0	0.00	4.05	4.71	3	33	8	97	0.00	0.0	5.744	0.003	0	0	0	8
PL.7461	PL.10145	C	6 A (CWC)	7.26Y	121.0	0.00	4.05	0.12	0	1	0	100	0.00	0.0	5.756	0.013	0	0	0	1
PL.7420	PL.7461	C	6 A (CWC)	7.26Y	121.0	0.00	4.05	0.12	0	1	0	100	0.00	0.0	5.879	0.122	1	0	1	1
PL.7329	PL.7420	C	#4 ACSR	7.26Y	121.0	0.00	4.05	0.00	0	0	0	100	0.00	0.0	5.967	0.088	0	0	0	0
PL.7458	PL.10145	C	#4 ACSR	7.26Y	121.0	0.00	4.05	0.65	0	5	1	98	0.00	0.0	5.751	0.007	0	0	0	2
PL.7331	PL.7458	C	#4 ACSR	7.26Y	120.9	0.00	4.05	0.65	0	5	1	98	0.00	0.0	5.857	0.107	5	1	2	2
PL.7457	PL.10145	C	6 A (CWC)	7.26Y	120.9	0.01	4.06	3.95	3	28	7	97	0.00	0.0	5.809	0.065	0	0	0	5
PL.7332	PL.7457	C	#2 ACSR	7.26Y	120.9	0.00	4.06	3.95	2	28	7	97	0.00	0.0	5.843	0.034	8	2	1	5
PL.7333	PL.7332	C	#2 ACSR	7.26Y	120.9	0.01	4.07	2.83	2	20	5	97	0.00	0.0	5.915	0.072	6	1	1	4
PL.7334	PL.7333	C	#4 ACSR	7.26Y	120.9	0.00	4.07	0.84	1	6	2	95	0.00	0.0	5.944	0.029	6	2	2	2
PL.7451	PL.7333	C	#2 ACSR	7.26Y	120.9	0.00	4.07	1.18	1	8	2	97	0.00	0.0	5.969	0.053	0	0	0	1
PL.7452	PL.7451	C	#2 ACSR	7.26Y	120.9	0.00	4.07	0.00	0	0	0	100	0.00	0.0	6.015	0.046	0	0	0	0
PL.7335	PL.7451	C	#2 ACSR	7.26Y	120.9	0.00	4.07	1.18	1	8	2	97	0.00	0.0	6.009	0.041	8	2	1	1
PL.7764	PL.7469	A	#2 ACSR	7.26Y	121.0	0.00	4.02	0.06	0	0	0	100	0.00	0.0	5.546	0.005	0	0	0	1
PD.1605	PL.7764	A	20T	7.26Y	121.0	0.00	4.02	0.06	0	0	0	100	0.00	0.0	5.546	0.005	0	0	0	1
PL.7765	PD.1605	A	#2 ACSR	7.26Y	121.0	0.00	4.02	0.06	0	0	0	100	0.00	0.0	5.690	0.143	0	0	1	1
PL.7768	PL.7693	A	6 A (CWC)	7.27Y	121.1	0.00	3.87	0.20	0	1	0	100	0.00	0.0	4.944	0.005	0	0	0	1
PD.1607	PL.7768	A	20T	7.27Y	121.1	0.00	3.87	0.20	0	1	0	100	0.00	0.0	4.944	0.005	0	0	0	1
PL.7769	PD.1607	A	6 A (CWC)	7.27Y	121.1	0.00	3.87	0.20	0	1	0	100	0.00	0.0	4.996	0.053	1	0	1	1
PL.7698	PL.7486	A	6 A (CWC)	7.28Y	121.3	0.00	3.71	5.80	4	41	10	97	0.00	0.0	4.382	0.005	0	0	0	11
PD.1570	PL.7698	A	25T	7.28Y	121.3	0.00	3.71	5.80	0	41	10	97	0.00	0.0	4.382	0.005	0	0	0	11
PL.7699	PD.1570	A	6 A (CWC)	7.28Y	121.3	0.00	3.71	5.80	4	41	10	97	0.00	0.0	4.395	0.013	1	0	1	11
PL.7490	PL.7699	A	6 A (CWC)	7.27Y	121.2	0.05	3.76	5.67	4	40	10	97	0.01	0.0	4.574	0.179	0	0	0	10

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.7493	PL.7490	A	#4 ACSR	7.27Y	121.2	0.01	3.77	1.58	1	11	3	96	0.00	0.0	4.709	0.135	5	1	2	4
PL.7494	PL.7493	A	#4 ACSR	7.27Y	121.2	0.00	3.77	0.83	1	6	1	99	0.00	0.0	4.759	0.051	6	1	2	2
PL.7495	PL.7490	A	6 A (CWC)	7.27Y	121.2	0.02	3.78	4.09	3	29	7	97	0.00	0.0	4.683	0.109	3	1	2	6
PL.7496	PL.7495	A	6 A (CWC)	7.27Y	121.2	0.01	3.79	3.69	3	26	7	97	0.00	0.0	4.744	0.060	0	0	0	4
PL.7326	PL.7496	A	6 A (CWC)	7.27Y	121.2	0.01	3.80	2.27	2	16	4	97	0.00	0.0	4.890	0.146	10	3	1	3
PL.7328	PL.7326	A	#2 ACSR	7.27Y	121.2	0.00	3.80	0.89	1	6	2	95	0.00	0.0	4.910	0.020	6	2	1	1
PL.7327	PL.7326	A	#1/0 ACSR	7.27Y	121.2	0.00	3.80	0.00	0	0	0	100	0.00	0.0	4.907	0.018	0	0	1	1
PL.7377	PL.7496	A	6 A (CWC)	7.27Y	121.2	0.00	3.79	1.42	1	10	3	96	0.00	0.0	4.804	0.060	10	3	1	1
PL.7704	PL.7463	A	#4 ACSR	7.30Y	121.6	0.00	3.39	0.27	0	2	0	100	0.00	0.0	3.508	0.005	0	0	0	1
PD.1573	PL.7704	A	65T	7.30Y	121.6	0.00	3.39	0.27	0	2	0	100	0.00	0.0	3.508	0.005	0	0	0	1
PL.7705	PD.1573	A	#4 ACSR	7.30Y	121.6	0.00	3.39	0.27	0	2	0	100	0.00	0.0	3.540	0.032	2	0	1	1
PL.7706	PL.7460	A	#4 ACSR	7.30Y	121.6	0.00	3.36	8.22	6	58	15	97	0.00	0.0	3.417	0.005	0	0	0	13
PD.1574	PL.7706	A	65T	7.30Y	121.6	0.00	3.36	8.22	0	58	15	97	0.00	0.0	3.417	0.005	0	0	0	13
PL.7707	PD.1574	A	#4 ACSR	7.30Y	121.6	0.03	3.38	8.22	6	58	15	97	0.01	0.0	3.493	0.075	5	1	1	13
PL.7497	PL.7707	A	#4 ACSR	7.30Y	121.6	0.03	3.41	7.48	6	53	14	97	0.01	0.0	3.578	0.086	2	1	1	12
PL.7498	PL.7497	A	#4 ACSR	7.29Y	121.6	0.01	3.42	7.15	5	51	13	97	0.00	0.0	3.617	0.039	0	0	0	11
PL.7499	PL.7498	A	6 A (CWC)	7.29Y	121.5	0.03	3.46	7.15	5	50	13	97	0.01	0.0	3.714	0.097	0	0	0	11
PL.7500	PL.7499	A	6 A (CWC)	7.29Y	121.5	0.03	3.48	7.15	5	50	13	97	0.01	0.0	3.815	0.100	12	3	1	11
PL.7501	PL.7500	A	6 A (CWC)	7.29Y	121.5	0.01	3.49	5.39	4	38	10	97	0.00	0.0	3.855	0.040	1	0	1	10
PL.7502	PL.7501	A	6 A (CWC)	7.29Y	121.5	0.01	3.51	5.20	4	37	9	97	0.00	0.0	3.921	0.066	15	4	3	9
PL.7322	PL.7502	A	#4 ACSR	7.29Y	121.5	0.00	3.51	1.27	1	9	2	98	0.00	0.0	3.944	0.023	9	2	2	2
PL.7324	PL.7502	A	#4 ACSR	7.29Y	121.5	0.01	3.52	1.75	1	12	3	97	0.00	0.0	4.030	0.110	0	0	1	4
PL.7503	PL.7324	A	#4 ACSR	7.29Y	121.5	0.00	3.52	0.64	0	4	1	97	0.00	0.0	4.141	0.111	4	1	2	2
PL.7504	PL.7503	A	#4 ACSR	7.29Y	121.5	0.00	3.52	0.00	0	0	0	100	0.00	0.0	4.207	0.066	0	0	0	0
PL.7323	PL.7324	A	#4 ACSR	7.29Y	121.5	0.00	3.52	1.07	1	8	2	97	0.00	0.0	4.098	0.067	8	2	1	1
PL.7762	PL.7647	C	6 A (CWC)	7.31Y	121.8	0.00	3.18	3.40	2	24	6	97	0.00	0.0	3.069	0.005	0	0	0	10
PD.1603	PL.7762	C	65T	7.31Y	121.8	0.00	3.18	3.40	0	24	6	97	0.00	0.0	3.069	0.005	0	0	0	10
PL.7763	PD.1603	C	6 A (CWC)	7.31Y	121.8	0.01	3.19	3.40	2	24	6	97	0.00	0.0	3.114	0.045	7	2	2	10
PL.7319	PL.7763	C	#1/0 ACSR	7.31Y	121.8	0.00	3.19	0.43	0	3	1	95	0.00	0.0	3.144	0.030	3	1	2	2
PL.7450	PL.7763	C	6 A (CWC)	7.31Y	121.8	0.00	3.19	0.28	0	2	1	89	0.00	0.0	3.255	0.141	2	1	1	1
PL.7318	PL.7763	C	6 A (CWC)	7.31Y	121.8	0.00	3.19	1.70	1	12	3	97	0.00	0.0	3.180	0.066	12	3	5	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: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.7796	PL.7647	A	#4 ACSR	7.31Y	121.8	0.00	3.18	0.34	0	2	1	89	0.00	0.0	3.068	0.004	0	0	0	1
PD.1621	PL.7796	A	65T	7.31Y	121.8	0.00	3.18	0.34	0	2	1	89	0.00	0.0	3.068	0.004	0	0	0	1
PL.7797	PD.1621	A	#4 ACSR	7.31Y	121.8	0.00	3.18	0.34	0	2	1	89	0.00	0.0	3.225	0.156	2	1	1	1
PL.7794	PL.7648	C	6 A (CWC)	7.31Y	121.9	0.00	3.09	3.04	2	22	6	96	0.00	0.0	2.893	0.004	0	0	0	6
PD.1620	PL.7794	C	65T	7.31Y	121.9	0.00	3.09	3.04	0	22	6	96	0.00	0.0	2.893	0.004	0	0	0	6
PL.7795	PD.1620	C	6 A (CWC)	7.31Y	121.9	0.00	3.09	3.04	2	22	6	96	0.00	0.0	2.919	0.026	4	1	2	6
PL.7645	PL.7795	C	6 A (CWC)	7.31Y	121.9	0.00	3.10	2.51	2	18	5	96	0.00	0.0	2.958	0.039	0	0	0	4
PL.7317	PL.7645	C	#2 ACSR	7.31Y	121.9	0.00	3.10	1.62	1	11	3	96	0.00	0.0	3.003	0.045	11	3	2	2
PL.7316	PL.7645	C	#2 ACSR	7.31Y	121.9	0.00	3.10	0.89	1	6	2	95	0.00	0.0	3.026	0.068	6	2	2	2
PL.7570	PL.7648	B	6 A (CWC)	7.31Y	121.9	0.00	3.09	10.06	7	71	18	97	0.00	0.0	2.892	0.003	0	0	0	19
PD.1633	PL.7570	B	50L	7.31Y	121.9	0.00	3.09	10.06	20	71	18	97	0.00	0.0	2.892	0.003	0	0	0	19
PL.7571	PD.1633	B	6 A (CWC)	7.31Y	121.9	0.05	3.14	10.06	7	71	18	97	0.02	0.0	2.993	0.101	0	0	0	19
PL.7307	PL.7571	B	#1/0 ACSR	7.31Y	121.9	0.00	3.14	0.45	0	3	1	95	0.00	0.0	3.196	0.203	3	1	1	1
PL.7368	PL.7571	B	6 A (CWC)	7.30Y	121.7	0.17	3.30	9.61	7	68	17	97	0.08	0.1	3.377	0.384	2	1	2	18
PL.7308	PL.7368	B	#4 ACSR	7.30Y	121.7	0.00	3.30	1.34	1	9	2	98	0.00	0.0	3.421	0.044	9	2	3	3
PL.7309	PL.7308	B	#4 ACSR	7.30Y	121.7	0.00	3.30	0.00	0	0	0	100	0.00	0.0	3.508	0.087	0	0	0	0
PL.7369	PL.7368	B	6 A (CWC)	7.30Y	121.7	0.03	3.33	7.94	6	56	14	97	0.01	0.0	3.462	0.086	0	0	0	13
PL.7310	PL.7369	B	6 A (CWC)	7.30Y	121.7	0.00	3.33	0.29	0	2	1	89	0.00	0.0	3.525	0.062	2	1	1	1
PL.7370	PL.7369	B	6 A (CWC)	7.30Y	121.6	0.05	3.39	7.65	5	54	14	97	0.02	0.0	3.620	0.158	2	0	1	12
PL.7371	PL.7370	B	6 A (CWC)	7.29Y	121.6	0.03	3.42	7.24	5	51	13	97	0.01	0.0	3.720	0.100	0	0	1	10
PL.7372	PL.7371	B	6 A (CWC)	7.29Y	121.6	0.02	3.44	6.55	5	46	12	97	0.01	0.0	3.781	0.060	0	0	0	8
PL.7373	PL.7372	B	6 A (CWC)	7.29Y	121.5	0.02	3.46	6.30	4	44	11	97	0.01	0.0	3.843	0.062	0	0	0	7
PL.7479	PL.7373	B	#1/0 ACSR	7.29Y	121.5	0.00	3.46	2.58	1	18	5	96	0.00	0.0	3.874	0.031	6	2	1	2
PL.7480	PL.7479	B	#1/0 ACSR	7.29Y	121.5	0.00	3.46	1.74	1	12	3	97	0.00	0.0	3.921	0.047	12	3	1	1
PL.7315	PL.7373	B	#4 ACSR	7.29Y	121.5	0.01	3.47	3.72	3	26	7	97	0.00	0.0	3.934	0.091	0	0	0	5
PL.7483	PL.7315	B	#1/0 ACSR	7.29Y	121.5	0.01	3.48	2.68	1	19	5	97	0.00	0.0	4.055	0.121	2	0	1	3
PL.7484	PL.7483	B	#1/0 ACSR	7.29Y	121.5	0.00	3.48	2.41	1	17	4	97	0.00	0.0	4.131	0.076	6	2	1	2
PL.7485	PL.7484	B	#1/0 ACSR	7.29Y	121.5	0.00	3.48	1.54	1	11	3	96	0.00	0.0	4.201	0.070	11	3	1	1
PL.7481	PL.7315	B	#4 ACSR	7.29Y	121.5	0.00	3.47	1.04	1	7	2	96	0.00	0.0	4.038	0.104	7	2	2	2
PL.7482	PL.7481	B	#4 ACSR	7.29Y	121.5	0.00	3.47	0.00	0	0	0	100	0.00	0.0	4.075	0.038	0	0	0	0
PL.7313	PL.7372	B	#2 ACSR	7.29Y	121.6	0.00	3.44	0.25	0	2	0	100	0.00	0.0	3.810	0.029	2	0	1	1

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.7312	PL.7371	B	#4 ACSR	7.29Y	121.6	0.00	3.42	0.64	0	5	1	98	0.00	0.0	3.756	0.036	5	1	1	1
PL.7311	PL.7370	B	#4 ACSR	7.30Y	121.6	0.00	3.39	0.19	0	1	0	100	0.00	0.0	3.678	0.058	1	0	1	1
PL.7740	PL.7363	C	#4 ACSR	7.34Y	122.3	0.00	2.71	5.19	4	37	9	97	0.00	0.0	2.272	0.005	0	0	0	8
PD.1591	PL.7740	C	65T	7.34Y	122.3	0.00	2.71	5.19	0	37	9	97	0.00	0.0	2.272	0.005	0	0	0	8
PL.7741	PD.1591	C	#4 ACSR	7.34Y	122.3	0.02	2.73	5.19	4	37	9	97	0.01	0.0	2.375	0.103	6	2	2	8
PL.7557	PL.7741	C	#4 ACSR	7.33Y	122.2	0.02	2.75	4.37	3	31	8	97	0.01	0.0	2.504	0.129	0	0	0	6
PL.7367	PL.7557	C	#4 ACSR	7.33Y	122.2	0.01	2.76	2.87	2	20	5	97	0.00	0.0	2.559	0.055	0	0	0	5
PL.7304	PL.7367	C	#1/0 ACSR	7.33Y	122.2	0.01	2.78	2.87	1	20	5	97	0.00	0.0	2.762	0.204	0	0	0	5
PL.7428	PL.7304	C	#1/0 ACSR	7.33Y	122.2	0.01	2.79	2.87	1	20	5	97	0.00	0.0	2.912	0.150	0	0	0	5
PL.7306	PL.7428	C	#1/0 ACSR	7.33Y	122.2	0.00	2.79	1.51	1	11	3	96	0.00	0.0	2.970	0.058	11	3	3	3
PL.7638	PL.7428	C	#1/0 ACSR	7.33Y	122.2	0.00	2.79	1.36	1	10	2	98	0.00	0.0	2.938	0.026	0	0	1	2
PL.7639	PL.7638	C	#1/0 ACSR	7.33Y	122.2	0.00	2.79	1.36	1	10	2	98	0.00	0.0	3.030	0.092	10	2	1	1
PL.7303	PL.7557	C	#1/0 ACSR	7.33Y	122.2	0.00	2.76	1.50	1	11	3	96	0.00	0.0	2.581	0.078	11	3	1	1
PL.7444	PL.7579	C	#4 ACSR	7.35Y	122.5	0.00	2.51	8.72	7	62	16	97	0.00	0.0	2.027	0.004	0	0	0	13
PD.1592	PL.7444	C	65T	7.35Y	122.5	0.00	2.51	8.72	0	62	16	97	0.00	0.0	2.027	0.004	0	0	0	13
PL.7442	PD.1592	C	#4 ACSR	7.35Y	122.5	0.00	2.51	8.62	7	61	16	97	0.00	0.0	2.030	0.004	0	0	0	12
PL.7437	PL.7442	C	#4 ACSR	7.35Y	122.5	0.02	2.53	8.62	7	61	16	97	0.01	0.0	2.071	0.041	0	0	0	12
PL.7271	PL.7437	C	#4 ACSR	7.35Y	122.5	0.00	2.53	0.52	0	4	1	97	0.00	0.0	2.167	0.096	4	1	1	1
PL.7562	PL.7437	C	#4 ACSR	7.35Y	122.5	0.01	2.54	8.10	6	58	15	97	0.00	0.0	2.100	0.029	33	8	7	11
PL.7563	PL.7562	C	#4 ACSR	7.35Y	122.5	0.00	2.54	3.49	3	25	6	97	0.00	0.0	2.130	0.031	3	1	1	4
PL.7272	PL.7563	C	#4 ACSR	7.35Y	122.5	0.00	2.54	3.06	2	22	6	96	0.00	0.0	2.165	0.035	22	6	3	3
PL.7564	PD.1592	C	#4 ACSR	7.35Y	122.5	0.00	2.51	0.10	0	1	0	100	0.00	0.0	2.095	0.068	1	0	1	1
PL.10213	PL.7564	C	#4 ACSR	7.35Y	122.5	0.00	2.51	0.00	0	0	0	100	0.00	0.0	2.149	0.054	0	0	0	0
CP.13	PL.7578	ABC	Cap (300)	7.35Y	122.5	0.00	2.47	0.00	0	0	0	100	0.00	0.0	1.984	0.054	0	0	0	0
PL.7804	PL.7353	ABC	#4 ACSR	7.40Y	123.3	0.00	1.67	5.20	4	104	50	90	0.00	0.0	1.211	0.005	0	0	0	1
PD.1625	PL.7804	ABC	65T	7.40Y	123.3	0.00	1.67	5.20	0	104	50	90	0.00	0.0	1.211	0.005	0	0	0	1
PL.7805	PD.1625	ABC	#4 ACSR	7.40Y	123.3	0.00	1.67	5.20	4	104	50	90	0.00	0.0	1.219	0.008	104	50	1	1
PL.7266	PL.7805	ABC	#4 ACSR	7.40Y	123.3	0.00	1.67	0.00	0	0	0	100	0.00	0.0	1.222	0.003	0	0	0	0
PL.7788	PL.7349	ABC	#4 ACSR	7.43Y	123.8	0.00	1.16	0.00	0	0	0	100	0.00	0.0	0.834	0.005	0	0	0	0
PL.7756	PL.7262	C	#2 ACSR	7.44Y	124.0	0.00	1.05	0.33	0	2	1	89	0.00	0.0	0.755	0.004	0	0	0	2
PD.1600	PL.7756	C	65T	7.44Y	124.0	0.00	1.05	0.33	0	2	1	89	0.00	0.0	0.755	0.004	0	0	0	2

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.7757	PD.1600	C	#2 ACSR	7.44Y	124.0	0.00	1.05	0.33	0	2	1	89	0.00	0.0	0.777	0.022	2	1	2	2
PL.7790	PL.7346	C	#4 ACSR	7.47Y	124.6	0.00	0.43	2.30	2	17	4	97	0.00	0.0	0.322	0.004	0	0	0	4
PD.1618	PL.7790	C	65T	7.47Y	124.6	0.00	0.43	2.30	0	17	4	97	0.00	0.0	0.322	0.004	0	0	0	4
PL.7791	PD.1618	C	#4 ACSR	7.47Y	124.6	0.00	0.43	2.30	2	17	4	97	0.00	0.0	0.376	0.055	17	4	4	4
PL.9897	Fall Rock	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	110.11	21	2382	680	96	0.01	0.0	0.005	0.005	0	0	0	495
PL.27879	PL.9897	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	110.11	21	2382	680	96	0.01	0.0	0.010	0.005	0	0	0	495
---------- Feeder No. 2 (Greenbriar F2) Beginning with Device PD.3853 ----------																				
PD.3853	PL.27879	ABC	480VWE	7.50Y	125.0	0.00	0.00	110.11	0	2382	680	96	0.00	0.0	0.010	0.005	0	0	0	495
PL.9898	PD.3853	ABC	397 SPACER	7.50Y	125.0	0.04	0.04	110.11	21	2382	680	96	0.18	0.0	0.120	0.110	0	0	0	495
PL.8096	PL.9898	ABC	#3/0 ACSR	7.49Y	124.8	0.21	0.25	110.11	37	2382	677	96	3.02	0.1	0.269	0.148	4	1	4	495
PL.8097	PL.8096	ABC	#3/0 ACSR	7.48Y	124.6	0.11	0.35	109.92	37	2375	672	96	1.56	0.1	0.346	0.077	7	2	5	491
PL.8161	PL.8097	A	#4 ACSR	7.48Y	124.6	0.00	0.35	0.65	0	5	1	98	0.00	0.0	0.350	0.004	0	0	0	2
PD.1687	PL.8161	A	65T	7.48Y	124.6	0.00	0.35	0.65	0	5	1	98	0.00	0.0	0.350	0.004	0	0	0	2
PL.8162	PD.1687	A	#4 ACSR	7.48Y	124.6	0.00	0.36	0.65	0	5	1	98	0.00	0.0	0.395	0.046	0	0	1	2
PL.8098	PL.8162	A	#4 ACSR	7.48Y	124.6	0.00	0.36	0.62	0	5	1	98	0.00	0.0	0.429	0.034	5	1	1	1
PL.8099	PL.8097	C	6 A (CWC)	7.48Y	124.6	0.02	0.37	8.05	6	58	15	97	0.01	0.0	0.396	0.051	10	3	1	13
PL.8169	PL.8099	C	6 A (CWC)	7.48Y	124.6	0.00	0.37	6.62	5	48	12	97	0.00	0.0	0.400	0.004	0	0	0	12
PD.1692	PL.8169	C	65T	7.48Y	124.6	0.00	0.37	6.62	0	48	12	97	0.00	0.0	0.400	0.004	0	0	0	12
PL.8170	PD.1692	C	6 A (CWC)	7.48Y	124.6	0.01	0.38	6.62	5	48	12	97	0.00	0.0	0.426	0.025	2	1	2	12
PL.7840	PL.8170	C	#4 ACSR	7.48Y	124.6	0.01	0.39	3.43	3	25	6	97	0.00	0.0	0.464	0.038	2	0	1	7
PL.8093	PL.7840	C	#4 ACSR	7.48Y	124.6	0.01	0.40	3.19	2	23	6	97	0.00	0.0	0.561	0.097	12	3	3	6
PL.8094	PL.8093	C	#4 ACSR	7.48Y	124.6	0.00	0.40	1.57	1	11	3	96	0.00	0.0	0.624	0.063	6	2	1	3
PL.8095	PL.8094	C	#4 ACSR	7.48Y	124.6	0.00	0.40	0.70	1	5	1	98	0.00	0.0	0.690	0.065	5	1	2	2
PL.7839	PL.8170	C	#4 ACSR	7.48Y	124.6	0.00	0.38	2.87	2	21	5	97	0.00	0.0	0.493	0.067	21	5	3	3
PL.8091	PL.8097	ABC	#3/0 ACSR	7.47Y	124.5	0.10	0.46	106.72	36	2304	652	96	1.42	0.1	0.420	0.074	11	3	2	471
PL.8092	PL.8091	ABC	#3/0 ACSR	7.47Y	124.5	0.08	0.53	106.23	35	2292	647	96	1.06	0.0	0.476	0.056	14	4	2	469
PL.7983	PL.8092	ABC	#3/0 ACSR	7.46Y	124.4	0.09	0.62	104.44	35	2252	636	96	1.28	0.1	0.546	0.070	0	0	0	460
PL.7822	PL.7983	ABC	#3/0 ACSR	7.46Y	124.3	0.06	0.68	103.23	34	2225	627	96	0.78	0.0	0.589	0.044	0	0	0	456
PL.8171	PL.7822	A	6 A (CWC)	7.46Y	124.3	0.00	0.68	1.35	1	10	2	98	0.00	0.0	0.593	0.004	0	0	0	2

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% 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.1693	PL.8171	A	65T	7.46Y	124.3	0.00	0.68	1.35	0	10	2	98	0.00	0.0	0.593	0.004	0	0	0	2
PL.8172	PD.1693	A	6 A (CWC)	7.46Y	124.3	0.00	0.68	1.35	1	10	2	98	0.00	0.0	0.691	0.098	10	2	2	2
PL.7841	PL.7822	ABC	#3/0 ACSR	7.46Y	124.3	0.06	0.74	102.78	34	2214	624	96	0.84	0.0	0.637	0.047	0	0	0	454
PL.8149	PL.7841	A	#2 ACSR	7.46Y	124.3	0.00	0.74	0.21	0	1	0	100	0.00	0.0	0.641	0.004	0	0	0	2
PD.1681	PL.8149	A	65T	7.46Y	124.3	0.00	0.74	0.21	0	1	0	100	0.00	0.0	0.641	0.004	0	0	0	2
PL.8150	PD.1681	A	#2 ACSR	7.46Y	124.3	0.00	0.74	0.21	0	1	0	100	0.00	0.0	0.688	0.048	1	0	2	2
PL.7984	PL.7841	ABC	#3/0 ACSR	7.45Y	124.1	0.12	0.86	102.72	34	2212	622	96	1.67	0.1	0.731	0.094	0	0	0	452
PL.8081	PL.7984	ABC	#3/0 ACSR	7.45Y	124.1	0.05	0.91	78.41	26	1684	484	96	0.49	0.0	0.778	0.048	4	1	3	359
PL.8082	PL.8081	ABC	#3/0 ACSR	7.44Y	124.0	0.09	1.00	78.23	26	1679	482	96	0.92	0.1	0.869	0.090	10	3	2	356
PL.7994	PL.8082	ABC	#3/0 ACSR	7.43Y	123.9	0.09	1.09	77.62	26	1665	477	96	0.93	0.1	0.961	0.092	0	0	0	352
PL.8083	PL.7994	ABC	#3/0 ACSR	7.43Y	123.8	0.07	1.16	76.62	26	1643	471	96	0.74	0.0	1.036	0.076	7	2	1	351
PL.8084	PL.8083	ABC	#3/0 ACSR	7.42Y	123.7	0.09	1.26	76.29	25	1635	468	96	0.92	0.1	1.131	0.095	17	4	2	350
PL.8076	PL.8084	ABC	#3/0 ACSR	7.42Y	123.7	0.04	1.30	66.23	22	1426	376	97	0.36	0.0	1.181	0.050	14	4	5	332
PL.8077	PL.8076	ABC	#3/0 ACSR	7.42Y	123.6	0.06	1.35	65.59	22	1412	372	97	0.49	0.0	1.249	0.068	0	0	0	327
PL.7995	PL.8077	ABC	#3/0 ACSR	7.41Y	123.6	0.08	1.43	65.59	22	1412	372	97	0.67	0.0	1.342	0.093	0	0	0	327
PL.7996	PL.7995	ABC	#3/0 ACSR	7.41Y	123.5	0.05	1.48	45.49	15	979	254	97	0.29	0.0	1.425	0.083	8	2	1	231
PL.8167	PL.7996	A	#2 ACSR	7.41Y	123.5	0.00	1.48	0.47	0	3	1	95	0.00	0.0	1.429	0.004	0	0	0	2
PD.1691	PL.8167	A	65T	7.41Y	123.5	0.00	1.48	0.47	0	3	1	95	0.00	0.0	1.429	0.004	0	0	0	2
PL.8168	PD.1691	A	#2 ACSR	7.41Y	123.5	0.00	1.48	0.47	0	3	1	95	0.00	0.0	1.441	0.012	3	1	2	2
PL.8074	PL.7996	ABC	#3/0 ACSR	7.41Y	123.5	0.05	1.52	44.96	15	968	251	97	0.30	0.0	1.514	0.089	6	1	1	228
PL.8075	PL.8074	ABC	#3/0 ACSR	7.41Y	123.4	0.05	1.57	44.69	15	962	249	97	0.30	0.0	1.602	0.088	0	0	0	227
PL.8016	PL.8075	ABC	#3/0 ACSR	7.40Y	123.4	0.04	1.62	42.80	14	921	238	97	0.26	0.0	1.687	0.085	13	3	2	217
PL.8044	PL.8016	ABC	#3/0 ACSR	7.40Y	123.4	0.02	1.64	42.19	14	907	234	97	0.10	0.0	1.719	0.032	1	0	1	215
PL.8045	PL.8044	ABC	#3/0 ACSR	7.40Y	123.3	0.03	1.67	42.14	14	906	234	97	0.17	0.0	1.776	0.058	6	2	3	214
PL.7831	PL.8045	ABC	#3/0 ACSR	7.40Y	123.3	0.03	1.69	39.52	13	849	219	97	0.13	0.0	1.828	0.051	8	2	4	202
PL.7832	PL.7831	ABC	#3/0 ACSR	7.40Y	123.3	0.03	1.72	35.22	12	757	195	97	0.13	0.0	1.890	0.063	0	0	0	184
PL.8203	PL.7832	C	6 A (CWC)	7.40Y	123.3	0.00	1.72	0.62	0	4	1	97	0.00	0.0	1.894	0.004	0	0	0	1
PD.1710	PL.8203	C	65T	7.40Y	123.3	0.00	1.72	0.62	0	4	1	97	0.00	0.0	1.894	0.004	0	0	0	1
PL.8204	PD.1710	C	6 A (CWC)	7.40Y	123.3	0.00	1.72	0.62	0	4	1	97	0.00	0.0	1.923	0.028	4	1	1	1
PL.8019	PL.7832	ABC	#3/0 ACSR	7.40Y	123.3	0.02	1.74	35.02	12	752	194	97	0.11	0.0	1.941	0.051	0	0	0	183
PL.8207	PL.8019	ABC	#3/0 ACSR	7.40Y	123.3	0.00	1.74	35.02	12	752	194	97	0.01	0.0	1.946	0.005	0	0	0	183

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% 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.1713-A	PL.8207	ABC	Closed	7.40Y	123.3	0.00	1.74	35.02	0	752	194	97	0.00	0.0	1.946	0.005	0	0	0	183
PD.1713-B	PD.1713-A	ABC	Closed	7.40Y	123.3	0.00	1.74	35.02	0	752	194	97	0.00	0.0	1.946	0.005	0	0	0	183
PL.8208	PD.1713-B	ABC	#3/0 ACSR	7.39Y	123.2	0.03	1.77	35.02	12	752	194	97	0.13	0.0	2.010	0.064	3	1	2	183
PL.8181	PL.8208	C	#4 ACSR	7.39Y	123.2	0.00	1.77	2.21	2	16	4	97	0.00	0.0	2.015	0.005	0	0	0	6
PD.1698	PL.8181	C	65T	7.39Y	123.2	0.00	1.77	2.21	0	16	4	97	0.00	0.0	2.015	0.005	0	0	0	6
PL.8182	PD.1698	C	#4 ACSR	7.39Y	123.2	0.00	1.77	2.21	2	16	4	97	0.00	0.0	2.029	0.014	12	3	4	6
PL.8040	PL.8182	C	#4 ACSR	7.39Y	123.2	0.00	1.77	0.58	0	4	1	97	0.00	0.0	2.056	0.027	4	1	2	2
PL.8020	PL.8208	ABC	#3/0 ACSR	7.39Y	123.2	0.01	1.78	34.13	11	733	189	97	0.05	0.0	2.036	0.026	0	0	0	175
PL.8183	PL.8020	A	6 A (CWC)	7.39Y	123.2	0.00	1.78	2.90	2	21	5	97	0.00	0.0	2.041	0.005	0	0	0	3
PD.1699	PL.8183	A	65T	7.39Y	123.2	0.00	1.78	2.90	0	21	5	97	0.00	0.0	2.041	0.005	0	0	0	3
PL.8184	PD.1699	A	6 A (CWC)	7.39Y	123.2	0.00	1.79	2.90	2	21	5	97	0.00	0.0	2.101	0.060	20	5	2	3
PL.7857	PL.8184	A	#4 ACSR	7.39Y	123.2	0.00	1.79	0.12	0	1	0	100	0.00	0.0	2.111	0.010	0	0	0	1
PL.7858	PL.7857	A	#4 ACSR	7.39Y	123.2	0.00	1.79	0.00	0	0	0	100	0.00	0.0	2.212	0.101	0	0	0	0
PL.7859	PL.7857	A	#2 ACSR	7.39Y	123.2	0.00	1.79	0.12	0	1	0	100	0.00	0.0	2.169	0.058	1	0	1	1
PL.7813	PL.8020	ABC	#3/0 ACSR	7.39Y	123.2	0.03	1.81	30.22	10	649	167	97	0.13	0.0	2.125	0.089	10	3	5	162
PL.7856	PL.7813	ABC	#3/0 ACSR	7.39Y	123.2	0.02	1.84	29.75	10	639	164	97	0.09	0.0	2.183	0.058	9	2	1	157
PL.8036	PL.7856	ABC	#3/0 ACSR	7.39Y	123.1	0.04	1.87	27.26	9	585	150	97	0.14	0.0	2.298	0.114	5	1	1	139
PL.8037	PL.8036	ABC	#3/0 ACSR	7.39Y	123.1	0.01	1.88	27.04	9	581	149	97	0.02	0.0	2.315	0.017	1	0	1	138
PL.8035	PL.8037	ABC	#3/0 ACSR	7.39Y	123.1	0.01	1.89	27.00	9	580	149	97	0.03	0.0	2.336	0.021	3	1	1	137
PL.8185	PL.8035	A	6 A (CWC)	7.39Y	123.1	0.00	1.89	4.06	3	29	7	97	0.00	0.0	2.340	0.004	0	0	0	5
PD.1700	PL.8185	A	65T	7.39Y	123.1	0.00	1.89	4.06	0	29	7	97	0.00	0.0	2.340	0.004	0	0	0	5
PL.8186	PD.1700	A	6 A (CWC)	7.39Y	123.1	0.01	1.89	4.06	3	29	7	97	0.00	0.0	2.383	0.043	4	1	1	5
PL.7865	PL.8186	A	#4 ACSR	7.39Y	123.1	0.00	1.90	3.56	3	25	7	96	0.00	0.0	2.426	0.044	25	7	4	4
PL.8141	PL.8035	C	6 A (CWC)	7.39Y	123.1	0.00	1.89	3.32	2	24	6	97	0.00	0.0	2.340	0.004	0	0	0	5
PD.1676	PL.8141	C	65T	7.39Y	123.1	0.00	1.89	3.32	0	24	6	97	0.00	0.0	2.340	0.004	0	0	0	5
PL.8142	PD.1676	C	6 A (CWC)	7.39Y	123.1	0.01	1.90	3.32	2	24	6	97	0.00	0.0	2.418	0.077	0	0	0	5
PL.7866	PL.8142	C	#1/0 ACSR	7.39Y	123.1	0.00	1.90	0.55	0	4	1	97	0.00	0.0	2.494	0.076	4	1	1	1
PL.7864	PL.8142	C	#4 ACSR	7.39Y	123.1	0.00	1.90	2.77	2	20	5	97	0.00	0.0	2.474	0.056	20	5	4	4
PL.7815	PL.8035	ABC	#3/0 ACSR	7.39Y	123.1	0.03	1.91	24.39	8	523	134	97	0.08	0.0	2.425	0.088	25	6	6	126
PL.8137	PL.7815	C	6 A (CWC)	7.39Y	123.1	0.00	1.91	4.36	3	31	8	97	0.00	0.0	2.429	0.005	0	0	0	3
PD.1674	PL.8137	C	65T	7.39Y	123.1	0.00	1.91	4.36	0	31	8	97	0.00	0.0	2.429	0.005	0	0	0	3

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.8138	PD.1674	C	6 A (CWC)	7.39Y	123.1	0.00	1.91	4.36	3	31	8	97	0.00	0.0	2.435	0.006	31	8	3	3
PL.8213	PL.7815	ABC	#3/0 ACSR	7.38Y	123.1	0.02	1.93	21.79	7	468	120	97	0.06	0.0	2.501	0.077	0	0	0	117
PL.8214	PL.8213	ABC	#3/0 ACSR	7.38Y	123.1	0.01	1.94	21.79	7	468	120	97	0.02	0.0	2.524	0.023	0	0	0	117
PL.8187	PL.8214	B	#2 ACSR	7.38Y	123.1	0.00	1.94	19.54	11	140	36	97	0.00	0.0	2.528	0.004	0	0	0	27
PD.1701	PL.8187	B	65T	7.38Y	123.1	0.00	1.94	19.54	0	140	36	97	0.00	0.0	2.528	0.004	0	0	0	27
PL.8188	PD.1701	B	#2 ACSR	7.38Y	123.0	0.03	1.97	19.54	11	140	36	97	0.03	0.0	2.582	0.054	31	8	3	27
PL.8021	PL.8188	B	#2 ACSR	7.38Y	123.0	0.02	2.00	15.20	9	109	28	97	0.02	0.0	2.633	0.051	0	0	0	24
PL.7869	PL.8021	B	#2 ACSR	7.38Y	123.0	0.02	2.02	15.20	9	109	28	97	0.02	0.0	2.684	0.051	11	3	3	24
PL.7867	PL.7869	B	#4 ACSR	7.38Y	123.0	0.01	2.03	13.70	11	98	25	97	0.01	0.0	2.707	0.023	5	1	1	21
PL.7868	PL.7867	B	6 A (CWC)	7.38Y	122.9	0.04	2.07	10.65	8	76	19	97	0.02	0.0	2.792	0.085	17	4	3	17
PL.8046	PL.7868	B	6 A (CWC)	7.38Y	122.9	0.01	2.08	5.03	4	36	9	97	0.00	0.0	2.829	0.037	0	0	0	10
PL.8047	PL.8046	B	6 A (CWC)	7.37Y	122.9	0.01	2.08	5.03	4	36	9	97	0.00	0.0	2.863	0.034	8	2	4	10
PL.7872	PL.8047	B	#2 ACSR	7.37Y	122.9	0.00	2.09	1.68	1	12	3	97	0.00	0.0	2.909	0.046	12	3	2	2
PL.7873	PL.8047	B	6 A (CWC)	7.37Y	122.9	0.00	2.09	2.20	2	16	4	97	0.00	0.0	2.938	0.076	16	4	4	4
PL.7871	PL.7868	B	#4 ACSR	7.38Y	122.9	0.00	2.07	3.28	3	23	6	97	0.00	0.0	2.840	0.048	23	6	4	4
PL.7870	PL.7867	B	#4 ACSR	7.38Y	123.0	0.00	2.03	2.41	2	17	4	97	0.00	0.0	2.747	0.040	17	4	3	3
PL.8189	PL.8214	A	#4 ACSR	7.38Y	123.1	0.00	1.94	0.39	0	3	1	95	0.00	0.0	2.528	0.005	0	0	0	3
PD.1702	PL.8189	A	65T	7.38Y	123.1	0.00	1.94	0.39	0	3	1	95	0.00	0.0	2.528	0.005	0	0	0	3
PL.8190	PD.1702	A	#4 ACSR	7.38Y	123.1	0.00	1.94	0.39	0	3	1	95	0.00	0.0	2.534	0.005	0	0	0	3
PL.7875	PL.8190	A	#4 ACSR	7.38Y	123.1	0.00	1.94	0.39	0	3	1	95	0.00	0.0	2.551	0.017	3	1	3	3
PL.8029	PL.8214	ABC	#3/0 ACSR	7.38Y	123.1	0.01	1.95	15.15	5	325	83	97	0.01	0.0	2.556	0.032	4	1	2	87
PL.8030	PL.8029	ABC	#3/0 ACSR	7.38Y	123.0	0.01	1.96	14.98	5	321	82	97	0.02	0.0	2.612	0.056	33	9	7	85
PL.7876	PL.8030	ABC	#3/0 ACSR	7.38Y	123.0	0.00	1.96	13.43	4	288	74	97	0.01	0.0	2.640	0.028	7	2	2	78
PL.8191	PL.7876	C	6 A (CWC)	7.38Y	123.0	0.00	1.96	9.45	7	68	17	97	0.00	0.0	2.644	0.004	0	0	0	16
PD.1703	PL.8191	C	65T	7.38Y	123.0	0.00	1.96	9.45	0	68	17	97	0.00	0.0	2.644	0.004	0	0	0	16
PL.8192	PD.1703	C	6 A (CWC)	7.38Y	123.0	0.00	1.96	9.45	7	68	17	97	0.00	0.0	2.647	0.004	2	0	2	16
PL.8028	PL.8192	C	6 A (CWC)	7.38Y	123.0	0.01	1.97	9.22	7	66	17	97	0.00	0.0	2.674	0.027	11	3	1	14
PL.7877	PL.8028	C	6 A (CWC)	7.38Y	123.0	0.02	1.99	7.62	5	55	14	97	0.01	0.0	2.731	0.056	0	0	0	13
PL.7816	PL.7877	C	6 A (CWC)	7.38Y	123.0	0.01	2.00	3.66	3	26	7	97	0.00	0.0	2.788	0.057	6	1	2	5
PL.7879	PL.7816	C	6 A (CWC)	7.38Y	123.0	0.01	2.01	2.86	2	20	5	97	0.00	0.0	2.833	0.045	2	1	1	3
PL.7880	PL.7879	C	#4 ACSR	7.38Y	123.0	0.00	2.01	1.43	1	10	3	96	0.00	0.0	2.868	0.035	10	3	1	1

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.7817	PL.7879	C	6 A (CWC)	7.38Y	123.0	0.00	2.01	1.13	1	8	2	97	0.00	0.0	2.891	0.059	0	0	0	1
PL.7881	PL.7817	C	#2 ACSR	7.38Y	123.0	0.00	2.01	1.13	1	8	2	97	0.00	0.0	2.957	0.065	8	2	1	1
PL.8032	PL.7877	C	#4 ACSR	7.38Y	123.0	0.00	1.99	3.44	3	25	6	97	0.00	0.0	2.747	0.016	13	3	2	6
PL.8033	PL.8032	C	#4 ACSR	7.38Y	123.0	0.00	2.00	1.64	1	12	3	97	0.00	0.0	2.788	0.041	9	2	3	4
PL.8031	PL.8033	C	#4 ACSR	7.38Y	123.0	0.00	2.00	0.32	0	2	1	89	0.00	0.0	2.828	0.039	2	1	1	1
PL.7874	PL.7877	C	#4 ACSR	7.38Y	123.0	0.00	1.99	0.53	0	4	1	97	0.00	0.0	2.754	0.023	2	1	1	2
PL.7878	PL.7874	C	#4 ACSR	7.38Y	123.0	0.00	1.99	0.23	0	2	0	100	0.00	0.0	2.789	0.035	2	0	1	1
PL.7818	PL.7876	ABC	#3/0 ACSR	7.38Y	123.0	0.01	1.97	9.97	3	214	55	97	0.01	0.0	2.697	0.057	12	3	4	60
PL.7882	PL.7818	ABC	#3/0 ACSR	7.38Y	123.0	0.01	1.98	8.48	3	182	47	97	0.01	0.0	2.775	0.077	6	2	2	49
PL.7819	PL.7882	ABC	#3/0 ACSR	7.38Y	123.0	0.00	1.98	6.25	2	134	34	97	0.00	0.0	2.822	0.047	16	4	4	36
PL.7884	PL.7819	ABC	#3/0 ACSR	7.38Y	123.0	0.00	1.98	5.52	2	118	30	97	0.00	0.0	2.861	0.039	7	2	2	32
PL.7886	PL.7884	A	6 A (CWC)	7.38Y	123.0	0.00	1.98	6.30	5	45	12	97	0.00	0.0	2.865	0.004	0	0	0	6
PD.1709	PL.7886	A	65T	7.38Y	123.0	0.00	1.98	6.30	0	45	12	97	0.00	0.0	2.865	0.004	0	0	0	6
PL.8025	PD.1709	A	6 A (CWC)	7.38Y	123.0	0.01	1.99	5.88	4	42	11	97	0.00	0.0	2.903	0.038	29	7	3	5
PL.8026	PL.8025	A	6 A (CWC)	7.38Y	123.0	0.00	1.99	1.89	1	13	3	97	0.00	0.0	2.936	0.034	6	1	1	2
PL.8027	PL.8026	A	6 A (CWC)	7.38Y	123.0	0.00	1.99	1.08	1	8	2	97	0.00	0.0	2.974	0.038	8	2	1	1
PL.7837	PD.1709	A	#4 ACSR	7.38Y	123.0	0.00	1.98	0.42	0	3	1	95	0.00	0.0	2.870	0.005	0	0	0	1
PL.7887	PL.7837	A	#4 ACSR	7.38Y	123.0	0.00	1.98	0.42	0	3	1	95	0.00	0.0	2.875	0.005	3	1	1	1
PL.8023	PL.7884	ABC	#3/0 ACSR	7.38Y	123.0	0.00	1.98	3.10	1	67	17	97	0.00	0.0	2.924	0.064	8	2	5	24
PL.8024	PL.8023	ABC	#3/0 ACSR	7.38Y	123.0	0.00	1.98	2.74	1	59	15	97	0.00	0.0	2.970	0.045	9	2	2	19
PL.7888	PL.8024	ABC	#3/0 ACSR	7.38Y	123.0	0.00	1.98	0.00	0	0	0	100	0.00	0.0	3.001	0.031	0	0	0	0
PL.6804	PL.7888	ABC	336 MCM AC	7.38Y	123.0	0.00	1.98	0.00	0	0	0	100	0.00	0.0	3.005	0.005	0	0	0	0
PD.1440-B	PL.6804	ABC	Open	7.38Y	123.0	0.00	1.98	0.00	0	0	0	100	0.00	0.0	3.005	0.005	0	0	0	0
PL.8133	PL.8024	A	#4 ACSR	7.38Y	123.0	0.00	1.99	6.95	5	50	13	97	0.00	0.0	2.974	0.004	0	0	0	17
PD.1672	PL.8133	A	20T	7.38Y	123.0	0.00	1.99	6.95	0	50	13	97	0.00	0.0	2.974	0.004	0	0	0	17
PL.8134	PD.1672	A	#4 ACSR	7.38Y	123.0	0.01	2.00	6.95	5	50	13	97	0.00	0.0	3.012	0.038	8	2	4	17
PL.8022	PL.8134	A	#4 ACSR	7.38Y	123.0	0.01	2.01	5.77	4	41	11	97	0.00	0.0	3.048	0.037	0	0	0	13
PL.7892	PL.8022	A	#4 ACSR	7.38Y	123.0	0.00	2.01	2.74	2	20	5	97	0.00	0.0	3.093	0.045	14	4	2	3
PL.7890	PL.7892	A	#4 ACSR	7.38Y	123.0	0.00	2.01	0.76	1	5	1	98	0.00	0.0	3.149	0.057	5	1	1	1
PL.8195	PL.7890	A	#2 ACSR	7.38Y	123.0	0.00	2.01	0.00	0	0	0	100	0.00	0.0	3.154	0.004	0	0	0	0
PD.1705	PL.8195	A	40T	7.38Y	123.0	0.00	2.01	0.00	0	0	0	100	0.00	0.0	3.154	0.004	0	0	0	0

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.8196	PD.1705	A	#2 ACSR	7.38Y	123.0	0.00	2.01	0.00	0	0	0	100	0.00	0.0	3.187	0.033	0	0	0	0
PL.7889	PL.8022	A	#4 ACSR	7.38Y	123.0	0.00	2.01	3.03	2	22	6	96	0.00	0.0	3.070	0.022	14	4	2	10
PL.7893	PL.7889	A	#4 ACSR	7.38Y	123.0	0.00	2.01	0.63	0	5	1	98	0.00	0.0	3.139	0.069	5	1	7	7
PL.7891	PL.7889	A	#4 ACSR	7.38Y	123.0	0.00	2.01	0.44	0	3	1	95	0.00	0.0	3.119	0.049	3	1	1	1
PL.8135	PL.7882	A	6 A (CWC)	7.38Y	123.0	0.00	1.98	5.82	4	42	11	97	0.00	0.0	2.779	0.005	0	0	0	11
PD.1673	PL.8135	A	65T	7.38Y	123.0	0.00	1.98	5.82	0	42	11	97	0.00	0.0	2.779	0.005	0	0	0	11
PL.8136	PD.1673	A	6 A (CWC)	7.38Y	123.0	0.01	1.98	5.82	4	42	11	97	0.00	0.0	2.805	0.025	11	3	4	11
PL.7820	PL.8136	A	6 A (CWC)	7.38Y	123.0	0.01	1.99	3.39	2	24	6	97	0.00	0.0	2.856	0.052	16	4	2	4
PL.7885	PL.7820	A	#4 ACSR	7.38Y	123.0	0.00	1.99	1.18	1	8	2	97	0.00	0.0	2.898	0.041	4	1	1	2
PL.10218	PL.7885	A	#1/0 ACSR	7.38Y	123.0	0.00	1.99	0.67	0	5	1	98	0.00	0.0	2.904	0.007	0	0	0	1
PL.10219	PL.10218	A	#1/0 ACSR	7.38Y	123.0	0.00	1.99	0.67	0	5	1	98	0.00	0.0	2.952	0.048	5	1	1	1
PL.7883	PL.8136	A	#4 ACSR	7.38Y	123.0	0.00	1.98	0.87	1	6	2	95	0.00	0.0	2.842	0.037	6	2	3	3
PL.8193	PL.7818	C	6 A (CWC)	7.38Y	123.0	0.00	1.97	0.90	1	6	2	95	0.00	0.0	2.701	0.004	0	0	0	5
PD.1704	PL.8193	C	65T	7.38Y	123.0	0.00	1.97	0.90	0	6	2	95	0.00	0.0	2.701	0.004	0	0	0	5
PL.8194	PD.1704	C	6 A (CWC)	7.38Y	123.0	0.00	1.97	0.90	1	6	2	95	0.00	0.0	2.745	0.044	6	2	5	5
PL.25736	PL.7818	B	#1/0 ACSR	7.38Y	123.0	0.00	1.97	1.94	1	14	4	96	0.00	0.0	2.700	0.002	0	0	0	2
PD.3632	PL.25736	B	65T	7.38Y	123.0	0.00	1.97	1.94	0	14	4	96	0.00	0.0	2.700	0.002	0	0	0	2
PL.25737	PD.3632	B	#1/0 ACSR	7.38Y	123.0	0.00	1.97	1.94	1	14	4	96	0.00	0.0	2.723	0.023	14	4	2	2
CP.14	PL.8213	ABC	Cap (300)	7.38Y	123.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	2.501	0.023	0	0	0	0
PL.7863	PL.7856	C	#4 ACSR	7.39Y	123.2	0.00	1.84	6.19	5	44	11	97	0.00	0.0	2.187	0.004	0	0	0	17
PD.1690	PL.7863	C	65T	7.39Y	123.2	0.00	1.84	6.19	0	44	11	97	0.00	0.0	2.187	0.004	0	0	0	17
PL.7835	PD.1690	C	#4 ACSR	7.39Y	123.2	0.00	1.84	1.87	1	13	3	97	0.00	0.0	2.190	0.003	0	0	0	6
PL.7981	PL.7835	C	#4 ACSR	7.39Y	123.2	0.00	1.84	1.87	1	13	3	97	0.00	0.0	2.224	0.034	11	3	4	6
PL.7982	PL.7981	C	#4 ACSR	7.39Y	123.2	0.00	1.84	0.30	0	2	1	89	0.00	0.0	2.304	0.080	2	1	2	2
PL.8038	PD.1690	C	#4 ACSR	7.39Y	123.2	0.00	1.84	1.99	2	14	4	96	0.00	0.0	2.195	0.008	11	3	1	3
PL.8039	PL.8038	C	#4 ACSR	7.39Y	123.2	0.00	1.84	0.52	0	4	1	97	0.00	0.0	2.250	0.055	4	1	2	2
PL.7833	PD.1690	C	#4 ACSR	7.39Y	123.2	0.00	1.84	2.33	2	17	4	97	0.00	0.0	2.190	0.003	0	0	0	8
PL.7980	PL.7833	C	#4 ACSR	7.39Y	123.2	0.00	1.84	2.33	2	17	4	97	0.00	0.0	2.198	0.007	0	0	0	8
PL.7860	PL.7980	C	#4 ACSR	7.39Y	123.2	0.00	1.84	2.33	2	17	4	97	0.00	0.0	2.250	0.052	17	4	8	8
PL.8139	PL.8020	C	6 A (CWC)	7.39Y	123.2	0.00	1.78	8.83	6	63	16	97	0.00	0.0	2.041	0.005	0	0	0	10
PD.1675	PL.8139	C	65T	7.39Y	123.2	0.00	1.78	8.83	0	63	16	97	0.00	0.0	2.041	0.005	0	0	0	10

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.8140	PD.1675	C	6 A (CWC)	7.39Y	123.2	0.00	1.78	8.83	6	63	16	97	0.00	0.0	2.047	0.006	5	1	2	10
PL.8034	PL.8140	C	6 A (CWC)	7.39Y	123.2	0.01	1.80	8.15	6	58	15	97	0.00	0.0	2.098	0.051	39	10	6	8
PL.7855	PL.8034	C	#4 ACSR	7.39Y	123.2	0.00	1.80	2.75	2	20	5	97	0.00	0.0	2.115	0.018	0	0	0	2
PL.7861	PL.7855	C	#4 ACSR	7.39Y	123.2	0.00	1.80	0.29	0	2	1	89	0.00	0.0	2.166	0.050	2	1	1	1
PL.7862	PL.7855	C	#1/0 ACSR	7.39Y	123.2	0.00	1.80	2.45	1	18	4	98	0.00	0.0	2.153	0.037	18	4	1	1
PL.8179	PL.7831	C	6 A (CWC)	7.40Y	123.3	0.00	1.69	11.80	8	85	22	97	0.00	0.0	1.832	0.005	0	0	0	14
PD.1697	PL.8179	C	65T	7.40Y	123.3	0.00	1.69	11.80	0	85	22	97	0.00	0.0	1.832	0.005	0	0	0	14
PL.8180	PD.1697	C	6 A (CWC)	7.40Y	123.3	0.04	1.73	11.80	8	85	22	97	0.02	0.0	1.903	0.071	9	2	2	14
PL.8041	PL.8180	C	6 A (CWC)	7.40Y	123.3	0.02	1.74	10.50	8	75	19	97	0.01	0.0	1.936	0.033	0	0	0	12
PL.8018	PL.8041	C	6 A (CWC)	7.40Y	123.3	0.01	1.75	2.08	1	15	4	97	0.00	0.0	1.998	0.062	1	0	1	4
PL.7854	PL.8018	C	#4 ACSR	7.39Y	123.2	0.00	1.75	1.69	1	12	3	97	0.00	0.0	2.027	0.029	12	3	2	2
PL.7851	PL.8018	C	6 A (CWC)	7.39Y	123.2	0.00	1.75	0.20	0	1	0	100	0.00	0.0	2.051	0.053	1	0	1	1
PL.7852	PL.8041	C	#4 ACSR	7.39Y	123.2	0.04	1.79	8.42	6	60	15	97	0.02	0.0	2.061	0.126	15	4	1	8
PL.7853	PL.7852	C	#4 ACSR	7.39Y	123.2	0.01	1.80	6.33	5	45	12	97	0.00	0.0	2.096	0.035	0	0	1	7
PL.7974	PL.7853	C	#4 ACSR	7.39Y	123.2	0.01	1.80	6.33	5	45	12	97	0.00	0.0	2.126	0.030	0	0	0	6
PL.7814	PL.7974	C	#4 ACSR	7.39Y	123.2	0.00	1.80	1.21	1	9	2	98	0.00	0.0	2.176	0.049	9	2	1	1
PL.8129	PL.7974	C	#4 ACSR	7.39Y	123.2	0.01	1.81	5.12	4	37	9	97	0.00	0.0	2.155	0.029	17	4	2	5
PL.8130	PL.8129	C	#4 ACSR	7.39Y	123.2	0.00	1.81	2.76	2	20	5	97	0.00	0.0	2.177	0.022	7	2	1	3
PL.7976	PL.8130	C	#4 ACSR	7.39Y	123.2	0.00	1.81	0.73	1	5	1	98	0.00	0.0	2.255	0.078	5	1	1	1
PL.7975	PL.8130	C	#4 ACSR	7.39Y	123.2	0.00	1.81	1.09	1	8	2	97	0.00	0.0	2.200	0.023	8	2	1	1
PL.7849	PL.8045	ABC	#1/0 ACSR	7.40Y	123.3	0.00	1.67	1.78	1	38	10	97	0.00	0.0	1.781	0.005	0	0	0	7
PD.1712	PL.7849	ABC	65T	7.40Y	123.3	0.00	1.67	1.78	0	38	10	97	0.00	0.0	1.781	0.005	0	0	0	7
PL.8042	PD.1712	ABC	#1/0 ACSR	7.40Y	123.3	0.00	1.67	1.78	1	38	10	97	0.00	0.0	1.840	0.059	13	3	3	7
PL.8043	PL.8042	ABC	#1/0 ACSR	7.40Y	123.3	0.00	1.67	1.19	1	26	7	97	0.00	0.0	1.928	0.088	0	0	0	4
PL.8175	PL.8043	A	#4 ACSR	7.40Y	123.3	0.00	1.67	3.56	3	26	7	97	0.00	0.0	1.936	0.008	0	0	0	3
PD.1695	PL.8175	A	65T	7.40Y	123.3	0.00	1.67	3.56	0	26	7	97	0.00	0.0	1.936	0.008	0	0	0	3
PL.8176	PD.1695	A	#4 ACSR	7.40Y	123.3	0.00	1.67	3.56	3	26	7	97	0.00	0.0	1.973	0.037	26	7	3	3
PL.7850	PL.8043	ABC	#1/0 ACSR	7.40Y	123.3	0.00	1.67	0.00	0	0	0	100	0.00	0.0	1.971	0.043	0	0	1	1
PL.8177	PL.8045	C	#4 ACSR	7.40Y	123.3	0.00	1.67	1.66	1	12	3	97	0.00	0.0	1.780	0.004	0	0	0	2
PD.1696	PL.8177	C	65T	7.40Y	123.3	0.00	1.67	1.66	0	12	3	97	0.00	0.0	1.780	0.004	0	0	0	2
PL.8178	PD.1696	C	#4 ACSR	7.40Y	123.3	0.00	1.67	1.66	1	12	3	97	0.00	0.0	1.814	0.033	12	3	2	2

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.8143	PL.8075	A	6 A (CWC)	7.41Y	123.4	0.00	1.57	5.68	4	41	10	97	0.00	0.0	1.607	0.005	0	0	0	10
PD.1677	PL.8143	A	65T	7.41Y	123.4	0.00	1.57	5.68	0	41	10	97	0.00	0.0	1.607	0.005	0	0	0	10
PL.8144	PD.1677	A	6 A (CWC)	7.40Y	123.4	0.01	1.58	5.68	4	41	10	97	0.00	0.0	1.644	0.037	0	0	0	10
PL.7848	PL.8144	A	6 A (CWC)	7.40Y	123.4	0.00	1.59	3.80	3	27	7	97	0.00	0.0	1.677	0.033	27	7	7	7
PL.8017	PL.8144	A	6 A (CWC)	7.40Y	123.4	0.00	1.59	1.87	1	13	3	97	0.00	0.0	1.698	0.054	13	3	3	3
PL.8209	PL.7995	C	#1/0 ACSR	7.41Y	123.6	0.00	1.43	60.30	26	432	117	97	0.01	0.0	1.344	0.003	0	0	0	96
PD.1714	PL.8209	C	100L	7.41Y	123.6	0.00	1.43	60.30	60	432	117	97	0.00	0.0	1.344	0.003	0	0	0	96
PL.8210	PD.1714	C	#1/0 ACSR	7.41Y	123.5	0.10	1.53	60.30	26	432	117	97	0.28	0.1	1.416	0.072	0	0	0	96
PL.10146	PL.8210	C	#1/0 ACSR	7.41Y	123.5	0.01	1.54	60.30	26	431	116	97	0.02	0.0	1.421	0.004	0	0	0	96
RG.13	PL.10146	C	76.2 KVA	7.45Y	124.2	-0.78	0.76	60.30	60	431	116	97	percent Boost= 0.00 Tap= 0.0							96
PL.8216	RG.13	C	#1/0 ACSR	7.45Y	124.2	0.01	0.77	59.93	26	431	116	97	0.03	0.0	1.429	0.009	3	1	2	96
PL.7917	PL.8216	C	#1/0 ACSR	7.45Y	124.2	0.02	0.79	59.48	26	428	115	97	0.04	0.0	1.441	0.011	0	0	0	94
PL.7997	PL.7917	C	#1/0 ACSR	7.45Y	124.2	0.00	0.79	0.28	0	2	1	89	0.00	0.0	1.475	0.034	2	1	2	2
PL.8078	PL.7917	C	#1/0 ACSR	7.45Y	124.1	0.09	0.88	59.20	26	426	115	97	0.26	0.1	1.510	0.069	1	0	1	92
PL.8085	PL.8078	C	#1/0 ACSR	7.44Y	124.0	0.15	1.03	59.12	26	425	114	97	0.40	0.1	1.618	0.108	10	2	1	91
PL.8086	PL.8085	C	#1/0 ACSR	7.43Y	123.8	0.14	1.17	57.79	25	415	111	97	0.39	0.1	1.725	0.107	2	1	2	90
PL.8087	PL.8086	C	#1/0 ACSR	7.42Y	123.7	0.10	1.27	57.48	25	413	110	97	0.27	0.1	1.801	0.076	3	1	1	88
PL.7998	PL.8087	C	#1/0 ACSR	7.42Y	123.6	0.10	1.37	55.83	24	400	107	97	0.26	0.1	1.877	0.076	0	0	0	86
PL.7919	PL.7998	C	#1/0 ACSR	7.42Y	123.6	0.05	1.42	55.83	24	400	107	97	0.12	0.0	1.913	0.036	0	0	0	86
PL.7999	PL.7919	C	#1/0 ACSR	7.40Y	123.3	0.24	1.66	55.83	24	400	107	97	0.63	0.2	2.100	0.187	0	0	0	86
PL.8089	PL.7999	C	#1/0 ACSR	7.40Y	123.3	0.05	1.71	55.83	24	399	106	97	0.13	0.0	2.138	0.038	0	0	0	86
PL.7920	PL.8089	C	#1/0 ACSR	7.40Y	123.3	0.00	1.71	0.95	0	7	2	96	0.00	0.0	2.183	0.045	7	2	1	1
PL.7921	PL.8089	C	#1/0 ACSR	7.40Y	123.3	0.00	1.71	0.92	0	7	2	96	0.00	0.0	2.245	0.107	7	2	1	1
PL.8000	PL.8089	C	#1/0 ACSR	7.39Y	123.1	0.20	1.91	53.96	23	386	102	97	0.52	0.1	2.302	0.164	0	0	0	84
PL.8001	PL.8000	C	#1/0 ACSR	7.38Y	122.9	0.17	2.08	53.17	23	380	100	97	0.41	0.1	2.440	0.138	10	3	1	83
PL.8090	PL.8001	C	#1/0 ACSR	7.37Y	122.9	0.04	2.12	51.72	22	369	97	97	0.10	0.0	2.476	0.035	0	0	0	82
PL.8114	PL.8090	C	#1/0 ACSR	7.37Y	122.8	0.10	2.22	51.72	22	369	97	97	0.25	0.1	2.560	0.085	0	0	0	82
PL.8115	PL.8114	C	#1/0 ACSR	7.36Y	122.7	0.06	2.28	51.72	22	369	97	97	0.14	0.0	2.609	0.049	0	0	1	82
PL.8116	PL.8115	C	#1/0 ACSR	7.36Y	122.7	0.04	2.31	51.72	22	368	96	97	0.10	0.0	2.642	0.033	0	0	0	81
PL.8002	PL.8116	C	#1/0 ACSR	7.35Y	122.5	0.22	2.53	49.27	21	351	92	97	0.51	0.1	2.836	0.195	0	0	2	74
PL.7928	PL.8002	C	#4 ACSR	7.35Y	122.5	0.00	2.54	2.78	2	20	5	97	0.00	0.0	2.881	0.044	20	5	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: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.7927	PL.8002	C	#4 ACSR	7.35Y	122.5	0.00	2.53	0.31	0	2	1	89	0.00	0.0	2.862	0.026	2	1	2	2
PL.7929	PL.8002	C	#1/0 ACSR	7.35Y	122.5	0.00	2.53	0.26	0	2	0	100	0.00	0.0	2.897	0.061	2	0	1	1
PL.8004	PL.8002	C	#1/0 ACSR	7.34Y	122.3	0.15	2.68	45.91	20	326	85	97	0.31	0.1	2.980	0.144	16	4	2	67
PL.8125	PL.8004	C	#1/0 ACSR	7.34Y	122.3	0.05	2.73	43.61	19	310	80	97	0.10	0.0	3.031	0.051	9	2	2	65
PL.8126	PL.8125	C	#1/0 ACSR	7.33Y	122.2	0.10	2.84	42.31	18	300	78	97	0.21	0.1	3.139	0.108	4	1	1	63
PL.7829	PL.8126	C	6 A (CWC)	7.33Y	122.2	0.00	2.84	2.57	2	18	5	96	0.00	0.0	3.174	0.035	10	2	1	3
PL.7932	PL.7829	C	#4 ACSR	7.33Y	122.2	0.00	2.84	0.00	0	0	0	100	0.00	0.0	3.344	0.170	0	0	1	1
PL.7830	PL.7829	C	6 A (CWC)	7.33Y	122.2	0.00	2.84	1.21	1	9	2	98	0.00	0.0	3.204	0.030	9	2	1	1
PL.8005	PL.8126	C	#1/0 ACSR	7.32Y	122.0	0.14	2.98	39.17	17	278	72	97	0.26	0.1	3.303	0.164	13	3	1	59
PL.8006	PL.8005	C	#1/0 ACSR	7.32Y	121.9	0.08	3.06	35.91	16	255	66	97	0.13	0.1	3.398	0.095	0	0	0	56
PL.7937	PL.8006	C	#1/0 ACSR	7.31Y	121.9	0.07	3.13	34.00	15	241	62	97	0.12	0.0	3.494	0.096	2	0	1	55
PL.7939	PL.7937	C	6 A (CWC)	7.31Y	121.9	0.00	3.13	1.41	1	10	3	96	0.00	0.0	3.547	0.053	10	3	1	1
PL.8007	PL.7937	C	#1/0 ACSR	7.31Y	121.8	0.04	3.18	32.34	14	229	59	97	0.07	0.0	3.553	0.059	0	0	0	53
PL.7940	PL.8007	C	#1/0 ACSR	7.31Y	121.8	0.06	3.24	31.21	14	221	57	97	0.10	0.0	3.644	0.091	0	0	0	52
PL.7943	PL.7940	C	#4 ACSR	7.30Y	121.7	0.03	3.27	6.74	5	48	12	97	0.01	0.0	3.747	0.103	5	1	1	6
PL.7951	PL.7943	C	#2 ACSR	7.30Y	121.7	0.00	3.27	2.56	1	18	5	96	0.00	0.0	3.781	0.034	0	0	0	2
PL.7953	PL.7951	C	#1/0 ACSR	7.30Y	121.7	0.00	3.27	1.37	1	10	2	98	0.00	0.0	3.818	0.037	10	2	1	1
PL.8012	PL.7951	C	#2 ACSR	7.30Y	121.7	0.00	3.27	1.19	1	8	2	97	0.00	0.0	3.815	0.034	8	2	1	1
PL.7952	PL.7943	C	#4 ACSR	7.30Y	121.7	0.00	3.27	3.48	3	25	6	97	0.00	0.0	3.803	0.056	25	6	3	3
PL.7944	PL.7940	C	#1/0 ACSR	7.30Y	121.7	0.03	3.28	24.15	10	171	44	97	0.04	0.0	3.705	0.062	0	0	0	45
PL.8008	PL.7944	C	#1/0 ACSR	7.30Y	121.7	0.01	3.29	18.45	8	130	34	97	0.01	0.0	3.739	0.034	2	1	1	38
PL.7946	PL.8008	C	#1/0 ACSR	7.30Y	121.7	0.02	3.31	18.14	8	128	33	97	0.02	0.0	3.793	0.054	0	0	0	37
PL.8011	PL.7946	C	#1/0 ACSR	7.30Y	121.7	0.02	3.33	16.64	7	118	30	97	0.02	0.0	3.850	0.057	0	0	0	36
PL.7955	PL.8011	C	#1/0 ACSR	7.30Y	121.7	0.00	3.33	1.37	1	10	2	98	0.00	0.0	3.863	0.013	10	2	2	2
PL.8106	PL.8011	C	#1/0 ACSR	7.30Y	121.7	0.01	3.34	15.27	7	108	28	97	0.01	0.0	3.883	0.033	6	2	2	34
PL.8107	PL.8106	C	#1/0 ACSR	7.30Y	121.6	0.05	3.40	14.43	6	102	26	97	0.04	0.0	4.040	0.157	0	0	0	32
PL.7827	PL.8107	C	#1/0 ACSR	7.29Y	121.6	0.03	3.43	13.97	6	99	25	97	0.02	0.0	4.141	0.101	4	1	1	31
PL.8163	PL.7827	C	6 A (CWC)	7.29Y	121.6	0.00	3.43	7.80	6	55	14	97	0.00	0.0	4.146	0.005	0	0	0	14
PD.1688	PL.8163	C	30T	7.29Y	121.6	0.00	3.43	7.80	0	55	14	97	0.00	0.0	4.146	0.005	0	0	0	14
PL.8164	PD.1688	C	6 A (CWC)	7.29Y	121.6	0.02	3.45	7.80	6	55	14	97	0.01	0.0	4.192	0.045	3	1	1	14
PL.8108	PL.8164	C	6 A (CWC)	7.29Y	121.5	0.03	3.48	7.32	5	52	13	97	0.01	0.0	4.289	0.097	0	0	0	13

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.8112	PL.8108	C	6 A (CWC)	7.29Y	121.5	0.04	3.52	6.60	5	47	12	97	0.01	0.0	4.427	0.138	0	0	0	12
PL.8113	PL.8112	C	6 A (CWC)	7.29Y	121.4	0.04	3.56	6.60	5	47	12	97	0.01	0.0	4.559	0.132	0	0	0	12
PL.8013	PL.8113	C	6 A (CWC)	7.28Y	121.4	0.04	3.60	6.07	4	43	11	97	0.01	0.0	4.714	0.155	0	0	0	9
PL.8014	PL.8013	C	6 A (CWC)	7.28Y	121.4	0.03	3.64	3.75	3	26	7	97	0.01	0.0	4.910	0.197	0	0	0	8
PL.7963	PL.8014	C	6 A (CWC)	7.28Y	121.4	0.00	3.64	0.47	0	3	1	95	0.00	0.0	5.067	0.156	3	1	2	2
PL.8015	PL.8014	C	6 A (CWC)	7.28Y	121.4	0.00	3.64	1.36	1	10	2	98	0.00	0.0	5.050	0.140	10	2	2	2
PL.8104	PL.8014	C	#4 ACSR	7.28Y	121.4	0.00	3.64	1.93	1	14	3	98	0.00	0.0	4.956	0.046	7	2	1	4
PL.8105	PL.8104	C	#4 ACSR	7.28Y	121.4	0.00	3.64	0.95	1	7	2	96	0.00	0.0	5.019	0.063	2	1	1	3
PL.8103	PL.8105	C	#4 ACSR	7.28Y	121.4	0.00	3.64	0.65	0	5	1	98	0.00	0.0	5.101	0.082	1	0	1	2
PL.7962	PL.8103	C	#1/0 ACSR	7.28Y	121.4	0.00	3.64	0.51	0	4	1	97	0.00	0.0	5.140	0.039	4	1	1	1
PL.7960	PL.8013	C	#1/0 ACSR	7.28Y	121.4	0.00	3.60	2.31	1	16	4	97	0.00	0.0	4.745	0.031	16	4	1	1
PL.7961	PL.8013	C	6 A (CWC)	7.28Y	121.4	0.00	3.60	0.00	0	0	0	100	0.00	0.0	4.785	0.072	0	0	0	0
PL.7959	PL.8113	C	#4 ACSR	7.29Y	121.4	0.00	3.56	0.53	0	4	1	97	0.00	0.0	4.622	0.063	4	1	3	3
PL.7958	PL.8108	C	#1/0 ACSR	7.29Y	121.5	0.00	3.48	0.71	0	5	1	98	0.00	0.0	4.333	0.044	5	1	1	1
PL.8110	PL.7827	C	6 A (CWC)	7.29Y	121.5	0.03	3.46	5.65	4	40	10	97	0.01	0.0	4.252	0.110	3	1	1	16
PL.8111	PL.8110	C	6 A (CWC)	7.29Y	121.5	0.01	3.47	5.23	4	37	9	97	0.00	0.0	4.299	0.047	3	1	3	15
PL.8109	PL.8111	C	6 A (CWC)	7.29Y	121.5	0.03	3.49	4.77	3	34	9	97	0.01	0.0	4.418	0.119	0	0	0	12
PL.7965	PL.8109	C	6 A (CWC)	7.29Y	121.5	0.02	3.51	4.77	3	34	9	97	0.01	0.0	4.516	0.097	0	0	0	12
PL.7967	PL.7965	C	6 A (CWC)	7.29Y	121.5	0.00	3.51	0.00	0	0	0	100	0.00	0.0	4.558	0.042	0	0	0	0
PL.7969	PL.7965	C	6 A (CWC)	7.29Y	121.5	0.01	3.53	4.77	3	34	9	97	0.00	0.0	4.581	0.065	0	0	0	12
PL.7968	PL.7969	C	#4 ACSR	7.29Y	121.5	0.00	3.53	0.24	0	2	0	100	0.00	0.0	4.669	0.088	2	0	1	1
PL.7970	PL.7968	C	#4 ACSR	7.29Y	121.5	0.00	3.53	0.00	0	0	0	100	0.00	0.0	4.752	0.084	0	0	0	0
PL.7977	PL.7969	C	6 A (CWC)	7.28Y	121.4	0.07	3.60	4.52	3	32	8	97	0.02	0.1	4.914	0.333	1	0	1	11
PL.8121	PL.7977	C	6 A (CWC)	7.28Y	121.4	0.01	3.60	4.31	3	30	8	97	0.00	0.0	4.958	0.044	1	0	1	9
PL.8122	PL.8121	C	6 A (CWC)	7.28Y	121.4	0.05	3.65	4.10	3	29	7	97	0.01	0.0	5.204	0.245	0	0	0	8
PL.7973	PL.8122	C	#4 ACSR	7.28Y	121.3	0.00	3.65	1.30	1	9	2	98	0.00	0.0	5.226	0.022	9	2	4	4
PL.32609	PL.8122	C	6 A (CWC)	7.28Y	121.3	0.00	3.65	2.80	2	20	5	97	0.00	0.0	5.242	0.038	0	0	0	4
PL.32611	PL.32609	C	6 A (CWC)	7.28Y	121.3	0.01	3.66	2.80	2	20	5	97	0.00	0.0	5.288	0.046	0	0	0	4
PL.32612	PL.32611	C	6 A (CWC)	7.28Y	121.3	0.01	3.67	2.80	2	20	5	97	0.00	0.0	5.336	0.048	0	0	1	4
PL.8123	PL.32612	C	6 A (CWC)	7.28Y	121.3	0.01	3.67	2.80	2	20	5	97	0.00	0.0	5.418	0.082	12	3	2	3
PL.8124	PL.8123	C	6 A (CWC)	7.28Y	121.3	0.00	3.68	1.14	1	8	2	97	0.00	0.0	5.482	0.064	8	2	1	1

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Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.7971	PL.7977	C	#4 ACSR	7.28Y	121.4	0.00	3.60	0.13	0	1	0	100	0.00	0.0	4.988	0.074	1	0	1	1
PL.7966	PL.8109	C	6 A (CWC)	7.29Y	121.5	0.00	3.49	0.00	0	0	0	100	0.00	0.0	4.463	0.045	0	0	0	0
PL.7956	PL.8107	C	#1/0 ACSR	7.30Y	121.6	0.00	3.40	0.45	0	3	1	95	0.00	0.0	4.121	0.080	3	1	1	1
PL.7954	PL.7946	C	#1/0 ACSR	7.30Y	121.7	0.00	3.31	1.50	1	11	3	96	0.00	0.0	3.811	0.018	11	3	1	1
PL.33063	PL.7944	C	#4 ACSR	7.30Y	121.7	0.02	3.29	5.70	4	40	10	97	0.01	0.0	3.773	0.068	0	0	0	7
PL.33064	PL.33063	C	#2 ACSR	7.30Y	121.7	0.00	3.29	5.70	3	40	10	97	0.00	0.0	3.776	0.002	0	0	0	7
PD.4890	PL.33064	C	25T	7.30Y	121.7	0.00	3.29	5.70	0	40	10	97	0.00	0.0	3.776	0.002	0	0	0	7
PL.33065	PD.4890	C	#2 ACSR	7.30Y	121.7	0.05	3.34	5.70	3	40	10	97	0.01	0.0	4.061	0.286	8	2	1	7
PL.7947	PL.33065	C	#1/0 ACSR	7.30Y	121.7	0.00	3.34	1.72	1	12	3	97	0.00	0.0	4.105	0.043	12	3	1	1
PL.8009	PL.33065	C	#2 ACSR	7.30Y	121.7	0.01	3.35	2.89	2	20	5	97	0.00	0.0	4.173	0.112	0	0	0	5
PL.7949	PL.8009	C	#1/0 ACSR	7.30Y	121.6	0.00	3.35	2.25	1	16	4	97	0.00	0.0	4.239	0.066	0	0	0	2
PL.7950	PL.7949	C	#1/0 ACSR	7.30Y	121.6	0.00	3.35	0.53	0	4	1	97	0.00	0.0	4.288	0.049	4	1	1	1
PL.8010	PL.7949	C	#1/0 ACSR	7.30Y	121.6	0.00	3.35	1.72	1	12	3	97	0.00	0.0	4.331	0.092	12	3	1	1
PL.8119	PL.8009	C	#2 ACSR	7.30Y	121.7	0.00	3.35	0.65	0	5	1	98	0.00	0.0	4.201	0.028	3	1	2	3
PL.8120	PL.8119	C	#2 ACSR	7.30Y	121.7	0.00	3.35	0.27	0	2	0	100	0.00	0.0	4.275	0.073	2	0	1	1
PL.7945	PL.7940	C	#4 ACSR	7.31Y	121.8	0.00	3.24	0.33	0	2	1	89	0.00	0.0	3.661	0.018	2	1	1	1
PL.7941	PL.8007	C	#4 ACSR	7.31Y	121.8	0.00	3.18	1.13	1	8	2	97	0.00	0.0	3.584	0.031	8	2	1	1
PL.7938	PL.8006	C	#4 ACSR	7.32Y	121.9	0.00	3.06	1.91	1	14	3	98	0.00	0.0	3.426	0.028	14	3	1	1
PL.8101	PL.8005	C	#4 ACSR	7.32Y	122.0	0.00	2.98	0.00	0	0	0	100	0.00	0.0	3.357	0.054	0	0	0	1
PL.8102	PL.8101	C	#4 ACSR	7.32Y	122.0	0.00	2.98	0.00	0	0	0	100	0.00	0.0	3.394	0.037	0	0	0	1
PL.8100	PL.8102	C	#4 ACSR	7.32Y	122.0	0.00	2.98	0.00	0	0	0	100	0.00	0.0	3.416	0.023	0	0	0	1
PL.7935	PL.8100	C	#4 ACSR	7.32Y	122.0	0.00	2.98	0.00	0	0	0	100	0.00	0.0	3.474	0.058	0	0	1	1
PL.7934	PL.8005	C	#1/0 ACSR	7.32Y	122.0	0.00	2.98	1.40	1	10	3	96	0.00	0.0	3.352	0.050	10	3	1	1
PL.8117	PL.8116	C	#1/0 ACSR	7.36Y	122.7	0.00	2.31	1.96	1	14	4	96	0.00	0.0	2.651	0.009	3	1	3	6
PL.8118	PL.8117	C	#1/0 ACSR	7.36Y	122.7	0.00	2.32	1.48	1	11	3	96	0.00	0.0	2.689	0.038	0	0	0	3
PL.7926	PL.8118	C	#1/0 ACSR	7.36Y	122.7	0.00	2.32	0.27	0	2	0	100	0.00	0.0	2.734	0.045	2	0	1	1
PL.8003	PL.8118	C	#1/0 ACSR	7.36Y	122.7	0.00	2.32	0.37	0	3	1	95	0.00	0.0	2.729	0.040	3	1	1	1
PL.7925	PL.8118	C	#1/0 ACSR	7.36Y	122.7	0.00	2.32	0.84	0	6	2	95	0.00	0.0	2.731	0.042	6	2	1	1
PL.7924	PL.8116	C	#1/0 ACSR	7.36Y	122.7	0.00	2.31	0.49	0	3	1	95	0.00	0.0	2.677	0.035	3	1	1	1
PL.7922	PL.8000	C	#1/0 ACSR	7.39Y	123.1	0.00	1.91	0.79	0	6	1	99	0.00	0.0	2.371	0.069	6	1	1	1
PL.7918	PL.8087	C	#1/0 ACSR	7.42Y	123.7	0.00	1.27	1.28	1	9	2	98	0.00	0.0	1.839	0.037	9	2	1	1

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Balanced Voltage Drop Report
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Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2013 Projected load with Phase 2 Improvements

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.8173	PL.8077	A	#2 ACSR	7.42Y	123.6	0.00	1.35	0.00	0	0	0	100	0.00	0.0	1.253	0.004	0	0	0	0
PD.1694	PL.8173	A	65T	7.42Y	123.6	0.00	1.35	0.00	0	0	0	100	0.00	0.0	1.253	0.004	0	0	0	0
PL.8174	PD.1694	A	#2 ACSR	7.42Y	123.6	0.00	1.35	0.00	0	0	0	100	0.00	0.0	1.290	0.037	0	0	0	0
PL.8205	PL.8084	ABC	#4 ACSR	7.42Y	123.7	0.00	1.26	9.36	7	190	85	91	0.00	0.0	1.135	0.004	0	0	0	16
PD.1711	PL.8205	ABC	65T	7.42Y	123.7	0.00	1.26	9.36	0	190	85	91	0.00	0.0	1.135	0.004	0	0	0	16
PL.8206	PD.1711	ABC	#4 ACSR	7.42Y	123.7	0.02	1.27	9.36	7	190	85	91	0.03	0.0	1.184	0.049	10	3	7	16
PL.7845	PL.8206	C	#4 ACSR	7.42Y	123.7	0.00	1.28	1.39	1	10	3	96	0.00	0.0	1.221	0.037	10	3	4	4
PL.8072	PL.8206	ABC	#4 ACSR	7.42Y	123.7	0.01	1.28	8.44	6	170	80	90	0.01	0.0	1.209	0.026	3	1	1	5
PL.8073	PL.8072	ABC	#4 ACSR	7.42Y	123.7	0.00	1.28	8.32	6	167	80	90	0.00	0.0	1.212	0.003	92	44	1	4
PL.7846	PL.8073	ABC	#2 ACSR	7.42Y	123.7	0.00	1.29	3.74	2	76	35	91	0.00	0.0	1.255	0.042	69	33	1	3
PL.7847	PL.7846	B	#4 ACSR	7.42Y	123.7	0.00	1.29	0.93	1	7	2	96	0.00	0.0	1.258	0.003	7	2	2	2
PL.8155	PL.7994	A	#1/0 ACSR	7.43Y	123.9	0.00	1.09	2.99	1	22	6	96	0.00	0.0	0.965	0.004	0	0	0	1
PD.1684	PL.8155	A	65T	7.43Y	123.9	0.00	1.09	2.99	0	22	6	96	0.00	0.0	0.965	0.004	0	0	0	1
PL.8156	PD.1684	A	#1/0 ACSR	7.43Y	123.9	0.00	1.09	2.99	1	22	6	96	0.00	0.0	1.024	0.059	22	6	1	1
PL.8151	PL.8082	A	6 A (CWC)	7.44Y	124.0	0.00	1.00	0.43	0	3	1	95	0.00	0.0	0.873	0.005	0	0	0	2
PD.1682	PL.8151	A	65T	7.44Y	124.0	0.00	1.00	0.43	0	3	1	95	0.00	0.0	0.873	0.005	0	0	0	2
PL.8152	PD.1682	A	6 A (CWC)	7.44Y	124.0	0.00	1.00	0.43	0	3	1	95	0.00	0.0	0.930	0.057	3	1	2	2
PL.8079	PL.7984	ABC	#3/0 ACSR	7.45Y	124.1	0.01	0.87	24.31	8	526	136	97	0.02	0.0	0.753	0.022	3	1	1	93
PL.8080	PL.8079	ABC	#3/0 ACSR	7.45Y	124.1	0.02	0.89	24.17	8	523	135	97	0.08	0.0	0.830	0.077	1	0	1	92
PL.8211	PL.8080	ABC	#3/0 ACSR	7.45Y	124.1	0.01	0.91	24.04	8	520	134	97	0.04	0.0	0.875	0.046	0	0	0	90
PD.1715	PL.8211	ABC	70L	7.45Y	124.1	0.00	0.91	24.04	34	520	134	97	0.00	0.0	0.875	0.046	0	0	0	90
PL.8212	PD.1715	ABC	#3/0 ACSR	7.44Y	124.1	0.03	0.94	24.04	8	520	134	97	0.11	0.0	0.990	0.114	0	0	0	90
PL.7985	PL.8212	ABC	#3/0 ACSR	7.44Y	124.0	0.03	0.97	23.67	8	512	132	97	0.10	0.0	1.095	0.106	4	1	1	89
PL.7987	PL.7985	ABC	#3/0 ACSR	7.44Y	124.0	0.03	1.00	23.35	8	505	130	97	0.08	0.0	1.186	0.090	3	1	1	86
PL.8199	PL.7987	A	#4 ACSR	7.44Y	124.0	0.00	1.00	18.78	14	135	35	97	0.00	0.0	1.190	0.005	0	0	0	18
PD.1707	PL.8199	A	30T	7.44Y	124.0	0.00	1.00	18.78	0	135	35	97	0.00	0.0	1.190	0.005	0	0	0	18
PL.8200	PD.1707	A	#4 ACSR	7.44Y	123.9	0.06	1.06	18.78	14	135	35	97	0.06	0.0	1.266	0.076	16	4	3	18
PL.8069	PL.8200	A	#4 ACSR	7.43Y	123.9	0.02	1.08	16.57	13	119	31	97	0.02	0.0	1.298	0.032	9	2	1	15
PL.7895	PL.8069	A	#4 ACSR	7.43Y	123.9	0.02	1.11	13.24	10	95	24	97	0.02	0.0	1.344	0.046	15	4	2	13
PL.7986	PL.7895	A	#4 ACSR	7.43Y	123.9	0.03	1.14	9.62	7	69	18	97	0.02	0.0	1.424	0.080	8	2	1	9
PL.7897	PL.7986	A	#4 ACSR	7.43Y	123.8	0.01	1.15	8.56	7	62	16	97	0.00	0.0	1.449	0.025	0	0	0	8

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

Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.10158	PL.7897	A	#4 ACSR	7.43Y	123.8	0.00	1.15	1.63	1	12	3	97	0.00	0.0	1.472	0.023	12	3	1	2
PL.10159	PL.10158	A	#4 ACSR	7.43Y	123.8	0.00	1.15	0.00	0	0	0	100	0.00	0.0	1.497	0.025	0	0	1	1
PL.7899	PL.7897	A	#4 ACSR	7.43Y	123.8	0.00	1.15	1.12	1	8	2	97	0.00	0.0	1.541	0.092	8	2	1	1
PL.8070	PL.7897	A	#4 ACSR	7.43Y	123.8	0.01	1.16	5.81	4	42	11	97	0.00	0.0	1.504	0.054	34	9	4	5
PL.8071	PL.8070	A	#4 ACSR	7.43Y	123.8	0.00	1.16	1.05	1	8	2	97	0.00	0.0	1.551	0.047	8	2	1	1
PL.7896	PL.7895	A	#4 ACSR	7.43Y	123.9	0.00	1.11	1.52	1	11	3	96	0.00	0.0	1.438	0.094	11	3	2	2
PL.7828	PL.8069	A	#4 ACSR	7.43Y	123.9	0.00	1.09	2.09	2	15	4	97	0.00	0.0	1.336	0.038	15	4	1	1
PL.7988	PL.7987	ABC	#3/0 ACSR	7.44Y	124.0	0.02	1.01	16.97	6	367	94	97	0.04	0.0	1.269	0.084	20	5	6	67
PL.8059	PL.7988	ABC	#3/0 ACSR	7.44Y	124.0	0.01	1.02	14.14	5	306	79	97	0.02	0.0	1.317	0.048	18	5	2	52
PL.8060	PL.8059	ABC	#3/0 ACSR	7.44Y	124.0	0.01	1.03	13.30	4	287	74	97	0.01	0.0	1.364	0.047	12	3	1	50
PL.8145	PL.8060	B	6 A (CWC)	7.44Y	124.0	0.01	1.04	38.16	27	275	71	97	0.02	0.0	1.369	0.005	0	0	0	49
PD.1679	PL.8145	B	30T	7.44Y	124.0	0.00	1.04	38.16	0	275	71	97	0.00	0.0	1.369	0.005	0	0	0	49
PL.8146	PD.1679	B	6 A (CWC)	7.44Y	123.9	0.04	1.08	38.16	27	275	71	97	0.08	0.0	1.390	0.021	0	0	0	49
PL.7901	PL.8146	B	#1/0 ACSR	7.43Y	123.9	0.02	1.09	27.67	12	199	51	97	0.02	0.0	1.420	0.030	5	1	1	39
PL.8065	PL.7901	B	6 A (CWC)	7.43Y	123.9	0.04	1.14	27.02	19	195	50	97	0.06	0.0	1.456	0.036	18	5	4	38
PL.8066	PL.8065	B	6 A (CWC)	7.43Y	123.8	0.06	1.19	24.51	18	176	45	97	0.07	0.0	1.506	0.051	0	0	0	34
PL.8064	PL.8066	B	6 A (CWC)	7.43Y	123.8	0.06	1.25	24.51	18	176	45	97	0.07	0.0	1.560	0.054	16	4	3	34
PL.8051	PL.8064	B	6 A (CWC)	7.42Y	123.6	0.11	1.36	22.24	16	160	41	97	0.12	0.1	1.671	0.110	17	4	4	31
PL.8052	PL.8051	B	6 A (CWC)	7.41Y	123.6	0.09	1.44	19.88	14	143	37	97	0.09	0.1	1.771	0.100	9	2	2	27
PL.7907	PL.8052	B	6 A (CWC)	7.41Y	123.5	0.07	1.52	18.63	13	134	34	97	0.07	0.1	1.858	0.087	3	1	1	25
PL.7989	PL.7907	B	6 A (CWC)	7.41Y	123.4	0.05	1.56	16.77	12	120	31	97	0.04	0.0	1.920	0.063	11	3	1	21
PL.7909	PL.7989	B	6 A (CWC)	7.41Y	123.4	0.02	1.58	15.21	11	109	28	97	0.02	0.0	1.950	0.030	10	3	4	20
PL.7911	PL.7909	B	#4 ACSR	7.41Y	123.4	0.00	1.58	0.00	0	0	0	100	0.00	0.0	1.996	0.046	0	0	0	0
PL.7990	PL.7909	B	6 A (CWC)	7.40Y	123.4	0.01	1.60	13.82	10	99	25	97	0.01	0.0	1.972	0.022	9	2	1	16
PL.7910	PL.7990	B	6 A (CWC)	7.40Y	123.4	0.02	1.61	12.59	9	90	23	97	0.01	0.0	2.001	0.028	0	0	0	15
PL.7912	PL.7910	B	6 A (CWC)	7.40Y	123.4	0.01	1.62	12.59	9	90	23	97	0.01	0.0	2.018	0.017	2	1	1	15
PL.7913	PL.7912	B	#4 ACSR	7.40Y	123.4	0.01	1.63	12.32	9	88	23	97	0.01	0.0	2.041	0.023	1	0	1	14
PL.7991	PL.7913	B	#4 ACSR	7.40Y	123.3	0.04	1.67	12.23	9	88	22	97	0.03	0.0	2.117	0.076	0	0	0	13
PL.7915	PL.7991	B	#2 ACSR	7.40Y	123.3	0.00	1.68	3.88	2	28	7	97	0.00	0.0	2.156	0.039	28	7	2	2
PL.7992	PL.7991	B	#4 ACSR	7.40Y	123.3	0.02	1.70	8.36	6	60	15	97	0.01	0.0	2.181	0.064	0	0	0	11
PL.8050	PL.7992	B	#4 ACSR	7.40Y	123.3	0.01	1.71	6.74	5	48	12	97	0.00	0.0	2.209	0.029	0	0	0	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: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.8127	PL.8050	B	#4 ACSR	7.40Y	123.3	0.01	1.72	6.74	5	48	12	97	0.00	0.0	2.239	0.030	1	0	1	9
PL.8128	PL.8127	B	#4 ACSR	7.40Y	123.3	0.01	1.73	6.65	5	48	12	97	0.00	0.0	2.285	0.046	21	5	3	8
PL.7916	PL.8128	B	#4 ACSR	7.40Y	123.3	0.00	1.73	3.76	3	27	7	97	0.00	0.0	2.304	0.019	1	0	1	5
PL.8053	PL.7916	B	#4 ACSR	7.40Y	123.3	0.01	1.74	3.64	3	26	7	97	0.00	0.0	2.366	0.062	13	3	2	4
PL.8054	PL.8053	B	#4 ACSR	7.40Y	123.3	0.00	1.74	1.81	1	13	3	97	0.00	0.0	2.403	0.037	13	3	2	2
PL.7993	PL.7992	B	#4 ACSR	7.40Y	123.3	0.01	1.71	1.61	1	12	3	97	0.00	0.0	2.287	0.107	0	0	0	2
PL.8048	PL.7993	B	#4 ACSR	7.40Y	123.3	0.00	1.71	1.61	1	12	3	97	0.00	0.0	2.337	0.050	1	0	1	2
PL.8049	PL.8048	B	#4 ACSR	7.40Y	123.3	0.00	1.71	1.41	1	10	3	96	0.00	0.0	2.383	0.046	10	3	1	1
PL.7914	PL.7913	B	#4 ACSR	7.40Y	123.4	0.00	1.63	0.00	0	0	0	100	0.00	0.0	2.087	0.046	0	0	0	0
PL.7908	PL.7907	B	6 A (CWC)	7.41Y	123.5	0.00	1.52	1.50	1	11	3	96	0.00	0.0	1.899	0.041	11	3	3	3
PL.8062	PL.8146	B	6 A (CWC)	7.43Y	123.9	0.01	1.09	10.49	7	76	19	97	0.01	0.0	1.423	0.033	21	5	3	10
PL.8063	PL.8062	B	6 A (CWC)	7.43Y	123.9	0.02	1.11	7.56	5	54	14	97	0.01	0.0	1.478	0.054	11	3	1	7
PL.7904	PL.8063	B	6 A (CWC)	7.43Y	123.9	0.00	1.11	0.64	0	5	1	98	0.00	0.0	1.545	0.067	5	1	1	1
PL.7902	PL.8063	B	#4 ACSR	7.43Y	123.9	0.01	1.11	2.70	2	19	5	97	0.00	0.0	1.528	0.050	0	0	0	3
PL.7906	PL.7902	B	6 A (CWC)	7.43Y	123.9	0.00	1.12	2.70	2	19	5	97	0.00	0.0	1.561	0.034	0	0	0	3
PL.8057	PL.7906	B	#4 ACSR	7.43Y	123.9	0.01	1.12	2.70	2	19	5	97	0.00	0.0	1.610	0.049	0	0	1	3
PL.8058	PL.8057	B	#4 ACSR	7.43Y	123.9	0.01	1.13	2.69	2	19	5	97	0.00	0.0	1.681	0.071	0	0	0	2
PL.8055	PL.8058	B	#4 ACSR	7.43Y	123.9	0.00	1.13	2.69	2	19	5	97	0.00	0.0	1.728	0.047	9	2	1	2
PL.8056	PL.8055	B	#4 ACSR	7.43Y	123.9	0.00	1.14	1.45	1	10	3	96	0.00	0.0	1.792	0.064	10	3	1	1
PL.7903	PL.8063	B	#4 ACSR	7.43Y	123.9	0.00	1.11	2.67	2	19	5	97	0.00	0.0	1.513	0.035	12	3	1	2
PL.7905	PL.7903	B	#1/0 ACSR	7.43Y	123.9	0.00	1.11	0.96	0	7	2	96	0.00	0.0	1.585	0.072	7	2	1	1
PL.8201	PL.7988	C	6 A (CWC)	7.44Y	124.0	0.00	1.02	4.51	3	32	8	97	0.00	0.0	1.273	0.004	0	0	0	7
PD.1708	PL.8201	C	30T	7.44Y	124.0	0.00	1.02	4.51	0	32	8	97	0.00	0.0	1.273	0.004	0	0	0	7
PL.8202	PD.1708	C	6 A (CWC)	7.44Y	124.0	0.01	1.02	4.51	3	32	8	97	0.00	0.0	1.315	0.042	8	2	1	7
PL.8061	PL.8202	C	6 A (CWC)	7.44Y	124.0	0.01	1.03	3.45	2	25	6	97	0.00	0.0	1.358	0.043	13	3	1	6
PL.7900	PL.8061	C	#1/0 ACSR	7.44Y	124.0	0.00	1.03	0.45	0	3	1	95	0.00	0.0	1.398	0.040	3	1	1	1
PL.8067	PL.8061	C	6 A (CWC)	7.44Y	124.0	0.00	1.03	1.27	1	9	2	98	0.00	0.0	1.388	0.030	9	2	3	4
PL.8068	PL.8067	C	6 A (CWC)	7.44Y	124.0	0.00	1.03	0.00	0	0	0	100	0.00	0.0	1.449	0.060	0	0	1	1
PL.8147	PL.7988	A	#4 ACSR	7.44Y	124.0	0.00	1.02	1.27	1	9	2	98	0.00	0.0	1.273	0.004	0	0	0	2
PD.1680	PL.8147	A	30T	7.44Y	124.0	0.00	1.02	1.27	0	9	2	98	0.00	0.0	1.273	0.004	0	0	0	2
PL.8148	PD.1680	A	#4 ACSR	7.44Y	124.0	0.00	1.02	1.27	1	9	2	98	0.00	0.0	1.391	0.118	9	2	2	2

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

Balanced Voltage Drop Report
Source: Fall Rock

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.7894	PL.7985	C	#4 ACSR	7.44Y	124.0	0.00	0.97	0.32	0	2	1	89	0.00	0.0	1.100	0.004	0	0	0	2
PD.1678	PL.7894	C	30T	7.44Y	124.0	0.00	0.97	0.32	0	2	1	89	0.00	0.0	1.100	0.004	0	0	0	2
PL.7823	PD.1678	C	#4 ACSR	7.44Y	124.0	0.00	0.97	0.32	0	2	1	89	0.00	0.0	1.151	0.051	2	1	2	2
PL.8153	PL.8212	A	#2 ACSR	7.44Y	124.1	0.00	0.94	1.11	1	8	2	97	0.00	0.0	0.994	0.004	0	0	0	1
PD.1683	PL.8153	A	30T	7.44Y	124.1	0.00	0.94	1.11	0	8	2	97	0.00	0.0	0.994	0.004	0	0	0	1
PL.8154	PD.1683	A	#2 ACSR	7.44Y	124.1	0.00	0.94	1.11	1	8	2	97	0.00	0.0	1.040	0.047	8	2	1	1
PL.8197	PL.8080	A	#1/0 ACSR	7.45Y	124.1	0.00	0.89	0.31	0	2	1	89	0.00	0.0	0.834	0.004	0	0	0	1
PD.1706	PL.8197	A	65T	7.45Y	124.1	0.00	0.89	0.31	0	2	1	89	0.00	0.0	0.834	0.004	0	0	0	1
PL.8198	PD.1706	A	#1/0 ACSR	7.45Y	124.1	0.00	0.89	0.31	0	2	1	89	0.00	0.0	0.871	0.038	2	1	1	1
PL.8157	PL.7983	A	#4 ACSR	7.46Y	124.4	0.00	0.62	3.63	3	26	7	97	0.00	0.0	0.550	0.004	0	0	0	4
PD.1685	PL.8157	A	65T	7.46Y	124.4	0.00	0.62	3.63	0	26	7	97	0.00	0.0	0.550	0.004	0	0	0	4
PL.8158	PD.1685	A	#4 ACSR	7.46Y	124.4	0.00	0.63	3.63	3	26	7	97	0.00	0.0	0.575	0.025	26	7	4	4
PL.8159	PL.8092	A	6 A (CWC)	7.47Y	124.5	0.00	0.53	3.40	2	25	6	97	0.00	0.0	0.480	0.004	0	0	0	7
PD.1686	PL.8159	A	65T	7.47Y	124.5	0.00	0.53	3.40	0	25	6	97	0.00	0.0	0.480	0.004	0	0	0	7
PL.8160	PD.1686	A	6 A (CWC)	7.47Y	124.5	0.01	0.54	3.40	2	25	6	97	0.00	0.0	0.533	0.053	14	4	3	7
PL.7821	PL.8160	A	6 A (CWC)	7.47Y	124.5	0.00	0.54	1.42	1	10	3	96	0.00	0.0	0.603	0.070	3	1	1	3
PL.7843	PL.7821	A	#1/0 ACSR	7.47Y	124.5	0.00	0.54	0.99	0	7	2	96	0.00	0.0	0.706	0.103	0	0	1	2
PL.7844	PL.7843	A	#1/0 ACSR	7.47Y	124.5	0.00	0.54	0.97	0	7	2	96	0.00	0.0	0.808	0.102	7	2	1	1
PL.7842	PL.8160	A	#4 ACSR	7.47Y	124.5	0.00	0.54	0.00	0	0	0	100	0.00	0.0	0.559	0.026	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

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	11112	0	0	0	0	0	475	0.00	11588
KVAR	3010	0	0	0	0	0	799		3809

Lowest Voltage = 118.01 on Element PL.9292
Max Accm VoltD = 6.99 on Element PL.9292
Max Elem VoltD = 1.81 on Element PL.9431