Balanced Voltage Drop Report
Source: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
Millers Creek		ABC	SRC-Miller	7.50Y	125.0	0.00	0.00	266.62	0	5698	1876	95	0.00	0.0	0.000	0.000	0	0	0	1414
PL.20516	Millers Creek	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	81.87	16	1753	565	95	0.04	0.0	0.007	0.007	0	0	0	458
PL.28003	PL.20516	ABC	336 MCM AC	7.50Y	125.0	0.00	0.01	81.87	16	1753	565	95	0.01	0.0	0.008	0.002	0	0	0	458
---------- Feeder No. 3 (Pryce F3) Beginning with Device PD.3873 ----------																				
PD.3873	PL.28003	ABC	200VWE	7.50Y	125.0	0.00	0.01	81.87	0	1753	565	95	0.00	0.0	0.008	0.002	0	0	0	458
PL.28004	PD.3873	ABC	336 MCM AC	7.50Y	125.0	0.00	0.01	81.87	16	1753	565	95	0.03	0.0	0.013	0.005	0	0	0	458
PL.20770	PL.28004	ABC	336 MCM AC	7.50Y	124.9	0.06	0.07	81.87	16	1753	565	95	0.54	0.0	0.110	0.096	0	0	0	458
PL.21218	PL.20770	A	#1/0 ACSR	7.50Y	124.9	0.00	0.07	0.00	0	0	0	100	0.00	0.0	0.114	0.005	0	0	0	0
PD.3030	PL.21218	A	50T	7.50Y	124.9	0.00	0.07	0.00	0	0	0	100	0.00	0.0	0.114	0.005	0	0	0	0
PL.21217	PD.3030	A	#1/0 ACSR	7.50Y	124.9	0.00	0.07	0.00	0	0	0	100	0.00	0.0	0.143	0.029	0	0	0	0
PL.20771	PL.20770	ABC	336 MCM AC	7.49Y	124.9	0.07	0.14	81.87	16	1753	564	95	0.58	0.0	0.212	0.103	0	0	0	458
PL.20827	PL.20771	ABC	336 MCM AC	7.49Y	124.8	0.06	0.20	81.87	16	1752	562	95	0.56	0.0	0.312	0.099	0	0	0	458
PL.19885	PL.20827	B	6 A (CWC)	7.49Y	124.8	0.01	0.21	1.59	1	11	3	96	0.00	0.0	0.427	0.115	0	0	0	2
PL.21215	PL.19885	B	6 A (CWC)	7.49Y	124.8	0.00	0.21	1.59	1	11	3	96	0.00	0.0	0.432	0.005	0	0	0	2
PD.3029	PL.21215	B	50T	7.49Y	124.8	0.00	0.21	1.59	0	11	3	96	0.00	0.0	0.432	0.005	0	0	0	2
PL.21216	PD.3029	B	6 A (CWC)	7.49Y	124.8	0.01	0.21	1.59	1	11	3	96	0.00	0.0	0.524	0.093	0	0	0	2
PL.20828	PL.21216	B	6 A (CWC)	7.49Y	124.8	0.01	0.22	1.59	1	11	3	96	0.00	0.0	0.634	0.109	0	0	0	2
PL.20829	PL.20828	B	6 A (CWC)	7.49Y	124.8	0.01	0.24	1.59	1	11	3	96	0.00	0.0	0.814	0.181	0	0	0	2
PL.21142	PL.20829	B	6 A (CWC)	7.49Y	124.8	0.00	0.24	1.59	1	11	3	96	0.00	0.0	0.846	0.032	0	0	1	2
PL.21143	PL.21142	B	6 A (CWC)	7.49Y	124.8	0.00	0.24	1.59	1	11	3	96	0.00	0.0	0.937	0.091	11	3	1	1
PL.20772	PL.20827	ABC	336 MCM AC	7.49Y	124.8	0.04	0.24	81.34	16	1740	558	95	0.34	0.0	0.373	0.061	0	0	0	456
PL.19886	PL.20772	ABC	336 MCM AC	7.48Y	124.7	0.04	0.28	81.34	16	1740	557	95	0.33	0.0	0.433	0.060	0	0	0	456
PL.20773	PL.19886	ABC	336 MCM AC	7.48Y	124.7	0.03	0.31	81.34	16	1739	556	95	0.27	0.0	0.481	0.048	0	0	0	456
PL.20774	PL.20773	ABC	336 MCM AC	7.48Y	124.6	0.10	0.41	81.34	16	1739	556	95	0.89	0.1	0.642	0.161	0	0	0	456
PL.21135	PL.20774	ABC	336 MCM AC	7.47Y	124.6	0.04	0.44	81.34	16	1738	554	95	0.31	0.0	0.698	0.056	0	0	0	456
PL.21136	PL.21135	ABC	336 MCM AC	7.47Y	124.5	0.07	0.52	81.34	16	1738	553	95	0.65	0.0	0.815	0.116	0	0	0	456
PL.19887	PL.21136	ABC	336 MCM AC	7.47Y	124.4	0.06	0.58	81.34	16	1737	551	95	0.52	0.0	0.908	0.094	0	0	0	456
PL.20518	PL.19887	C	#1/0 ACSR	7.47Y	124.4	0.00	0.58	0.62	0	4	1	97	0.00	0.0	0.962	0.054	0	0	0	1
PL.21213	PL.20518	C	#1/0 ACSR	7.47Y	124.4	0.00	0.58	0.62	0	4	1	97	0.00	0.0	0.967	0.005	0	0	0	1
PD.3028	PL.21213	C	50T	7.47Y	124.4	0.00	0.58	0.62	0	4	1	97	0.00	0.0	0.967	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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.21214	PD.3028	C	#1/0 ACSR	7.47Y	124.4	0.00	0.58	0.62	0	4	1	97	0.00	0.0	1.017	0.051	4	1	1	1
PL.20775	PL.19887	ABC	336 MCM AC	7.46Y	124.4	0.04	0.62	80.67	16	1722	546	95	0.36	0.0	0.974	0.066	0	0	0	453
PL.20520	PL.20775	ABC	336 MCM AC	7.46Y	124.3	0.07	0.69	80.67	16	1722	545	95	0.60	0.0	1.084	0.110	0	0	0	453
PL.20831	PL.20520	ABC	336 MCM AC	7.45Y	124.2	0.10	0.79	80.67	16	1721	544	95	0.87	0.1	1.243	0.159	0	0	0	453
PL.20832	PL.20831	ABC	336 MCM AC	7.45Y	124.1	0.09	0.88	80.67	16	1720	542	95	0.79	0.0	1.387	0.145	0	0	0	453
PL.20833	PL.20832	ABC	336 MCM AC	7.44Y	124.1	0.05	0.93	80.67	16	1720	540	95	0.43	0.0	1.467	0.079	0	0	0	453
PL.20521	PL.20833	B	#1/0 ACSR	7.44Y	124.1	0.00	0.93	0.18	0	1	0	100	0.00	0.0	1.495	0.029	0	0	0	1
PL.21207	PL.20521	B	#1/0 ACSR	7.44Y	124.1	0.00	0.93	0.18	0	1	0	100	0.00	0.0	1.500	0.005	0	0	0	1
PD.3025	PL.21207	B	50T	7.44Y	124.1	0.00	0.93	0.18	0	1	0	100	0.00	0.0	1.500	0.005	0	0	0	1
PL.21208	PD.3025	B	#1/0 ACSR	7.44Y	124.1	0.00	0.93	0.18	0	1	0	100	0.00	0.0	1.593	0.094	1	0	1	1
PL.20914	PL.20833	ABC	336 MCM AC	7.44Y	124.0	0.06	0.99	80.61	16	1718	539	95	0.55	0.0	1.568	0.102	5	1	2	452
PL.21130	PL.20914	ABC	336 MCM AC	7.44Y	124.0	0.02	1.01	79.03	15	1683	528	95	0.21	0.0	1.607	0.039	0	0	1	444
PL.21131	PL.21130	ABC	336 MCM AC	7.44Y	124.0	0.02	1.03	79.03	15	1683	527	95	0.17	0.0	1.639	0.032	0	0	0	443
PL.21115	PL.21131	ABC	336 MCM AC	7.43Y	123.9	0.05	1.08	79.03	15	1683	527	95	0.45	0.0	1.724	0.085	0	0	1	443
PL.21116	PL.21115	ABC	336 MCM AC	7.43Y	123.8	0.11	1.20	79.03	15	1682	526	95	0.96	0.1	1.907	0.183	0	0	0	442
PL.20522	PL.21116	ABC	336 MCM AC	7.43Y	123.8	0.04	1.24	79.03	15	1681	524	95	0.37	0.0	1.979	0.071	0	0	0	442
PL.21205	PL.20522	C	6 A (CWC)	7.43Y	123.8	0.00	1.24	0.94	1	7	2	96	0.00	0.0	1.983	0.005	0	0	0	2
PD.3024	PL.21205	C	50T	7.43Y	123.8	0.00	1.24	0.94	0	7	2	96	0.00	0.0	1.983	0.005	0	0	0	2
PL.21206	PD.3024	C	6 A (CWC)	7.43Y	123.8	0.00	1.24	0.94	1	7	2	96	0.00	0.0	2.021	0.038	7	2	1	2
PL.20523	PL.21206	C	#1/0 ACSR	7.43Y	123.8	0.00	1.24	0.00	0	0	0	100	0.00	0.0	2.059	0.037	0	0	1	1
PL.20776	PL.20522	ABC	336 MCM AC	7.42Y	123.7	0.08	1.32	78.72	15	1674	521	95	0.72	0.0	2.116	0.138	0	0	0	440
PL.20777	PL.20776	ABC	336 MCM AC	7.42Y	123.6	0.09	1.42	78.72	15	1674	519	96	0.80	0.0	2.270	0.154	0	0	0	440
PL.20834	PL.20777	ABC	336 MCM AC	7.41Y	123.5	0.06	1.48	78.72	15	1673	517	96	0.52	0.0	2.370	0.100	0	0	0	440
PL.20835	PL.20834	ABC	336 MCM AC	7.41Y	123.5	0.06	1.54	78.72	15	1672	516	96	0.53	0.0	2.472	0.102	0	0	0	440
PL.20778	PL.20835	ABC	336 MCM AC	7.40Y	123.4	0.06	1.60	74.74	14	1587	491	96	0.52	0.0	2.583	0.111	0	0	0	422
PL.21263	PL.20778	ABC	336 MCM AC	7.40Y	123.3	0.07	1.67	74.31	14	1577	487	96	0.56	0.0	2.703	0.120	0	0	0	421
PL.21264	PL.21263	ABC	336 MCM AC	7.40Y	123.3	0.01	1.68	74.31	14	1577	486	96	0.07	0.0	2.719	0.016	6	2	1	421
PL.21119	PL.21264	ABC	336 MCM AC	7.39Y	123.2	0.07	1.75	74.05	14	1571	484	96	0.59	0.0	2.846	0.127	0	0	0	420
PL.21239	PL.21119	ABC	336 MCM AC	7.39Y	123.2	0.08	1.83	74.05	14	1570	483	96	0.64	0.0	2.984	0.138	0	0	0	420
PD.3045-A	PL.21239	ABC	Closed	7.39Y	123.2	0.00	1.83	74.05	0	1570	481	96	0.00	0.0	2.984	0.138	0	0	0	420
PD.3045-B	PD.3045-A	ABC	Closed	7.39Y	123.2	0.00	1.83	74.05	0	1570	481	96	0.00	0.0	2.984	0.138	0	0	0	420

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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.21240	PD.3045-B	ABC	336 MCM AC	7.39Y	123.1	0.03	1.86	74.05	14	1570	481	96	0.27	0.0	3.042	0.058	0	0	0	420
PL.21199	PL.21240	C	6 A (CWC)	7.39Y	123.1	0.00	1.86	0.75	1	5	1	98	0.00	0.0	3.046	0.005	0	0	0	3
PD.3021	PL.21199	C	50T	7.39Y	123.1	0.00	1.86	0.75	0	5	1	98	0.00	0.0	3.046	0.005	0	0	0	3
PL.21200	PD.3021	C	6 A (CWC)	7.39Y	123.1	0.00	1.87	0.75	1	5	1	98	0.00	0.0	3.155	0.109	0	0	0	3
PL.20842	PL.21200	C	6 A (CWC)	7.39Y	123.1	0.00	1.87	0.75	1	5	1	98	0.00	0.0	3.239	0.084	0	0	0	3
PL.21117	PL.20842	C	6 A (CWC)	7.39Y	123.1	0.00	1.87	0.75	1	5	1	98	0.00	0.0	3.347	0.108	1	0	1	3
PL.21118	PL.21117	C	6 A (CWC)	7.39Y	123.1	0.00	1.87	0.57	0	4	1	97	0.00	0.0	3.398	0.051	0	0	0	2
PL.21120	PL.21118	C	6 A (CWC)	7.39Y	123.1	0.00	1.88	0.57	0	4	1	97	0.00	0.0	3.539	0.141	0	0	1	2
PL.21121	PL.21120	C	6 A (CWC)	7.39Y	123.1	0.00	1.88	0.57	0	4	1	97	0.00	0.0	3.629	0.090	0	0	0	1
PL.20782	PL.21121	C	6 A (CWC)	7.39Y	123.1	0.00	1.88	0.00	0	0	0	100	0.00	0.0	3.700	0.071	0	0	0	0
PL.21203	PL.21121	C	1/0 AL URD	7.39Y	123.1	0.00	1.88	0.57	0	4	1	97	0.00	0.0	3.633	0.005	0	0	0	1
PD.3023	PL.21203	C	30T	7.39Y	123.1	0.00	1.88	0.57	0	4	1	97	0.00	0.0	3.633	0.005	0	0	0	1
PL.21204	PD.3023	C	1/0 AL URD	7.39Y	123.1	0.00	1.88	0.57	0	4	1	97	0.00	0.0	3.659	0.026	4	1	1	1
PL.20781	PL.21240	ABC	336 MCM AC	7.38Y	123.1	0.07	1.93	73.80	14	1564	479	96	0.55	0.0	3.162	0.121	0	0	0	417
PL.20843	PL.20781	ABC	336 MCM AC	7.38Y	123.0	0.07	2.00	73.80	14	1563	478	96	0.54	0.0	3.280	0.118	0	0	0	417
PL.20844	PL.20843	ABC	336 MCM AC	7.38Y	122.9	0.06	2.06	73.80	14	1563	477	96	0.52	0.0	3.394	0.114	0	0	0	417
PL.21265	PL.20844	ABC	336 MCM AC	7.37Y	122.8	0.10	2.16	73.33	14	1552	473	96	0.78	0.1	3.566	0.173	0	0	0	412
RG.27	PL.21265	ABC	76.2 KVA	7.46Y	124.4	-1.55	0.60	73.33	73	1551	471	96	percent Boost= 1.25 Tap= 2.0							412
PL.21266	RG.27	ABC	336 MCM AC	7.46Y	124.3	0.08	0.68	72.41	14	1551	471	96	0.61	0.0	3.705	0.138	0	0	0	412
PL.20850	PL.21266	ABC	336 MCM AC	7.45Y	124.2	0.07	0.75	72.41	14	1551	469	96	0.55	0.0	3.830	0.125	0	0	0	412
PL.20894	PL.20850	ABC	336 MCM AC	7.45Y	124.2	0.06	0.81	72.41	14	1550	468	96	0.44	0.0	3.930	0.100	0	0	0	412
PL.20851	PL.20894	ABC	336 MCM AC	7.45Y	124.1	0.05	0.86	72.41	14	1550	467	96	0.43	0.0	4.028	0.098	0	0	0	412
PL.20852	PL.20851	ABC	336 MCM AC	7.44Y	124.1	0.08	0.94	72.41	14	1549	466	96	0.61	0.0	4.165	0.137	0	0	0	412
PL.21112	PL.20852	ABC	336 MCM AC	7.44Y	124.0	0.06	1.00	72.41	14	1549	465	96	0.50	0.0	4.278	0.112	0	0	0	412
PL.21113	PL.21112	ABC	336 MCM AC	7.44Y	123.9	0.09	1.08	72.41	14	1548	463	96	0.69	0.0	4.433	0.155	0	0	0	412
PL.21197	PL.21113	A	#4 ACSR	7.44Y	123.9	0.00	1.08	0.28	0	2	1	89	0.00	0.0	4.437	0.005	0	0	0	2
PD.3020	PL.21197	A	50T	7.44Y	123.9	0.00	1.08	0.28	0	2	1	89	0.00	0.0	4.437	0.005	0	0	0	2
PL.21198	PD.3020	A	#4 ACSR	7.43Y	123.9	0.00	1.09	0.28	0	2	1	89	0.00	0.0	4.576	0.139	0	0	0	2
PL.20678	PL.21198	A	#4 ACSR	7.43Y	123.9	0.00	1.09	0.28	0	2	1	89	0.00	0.0	4.721	0.144	2	1	2	2
PL.20784	PL.21113	ABC	336 MCM AC	7.43Y	123.9	0.05	1.13	72.32	14	1546	461	96	0.40	0.0	4.524	0.091	0	0	0	410
PL.21185	PL.20784	B	#1/0 ACSR	7.43Y	123.9	0.00	1.13	1.22	1	9	2	98	0.00	0.0	4.528	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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% 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.3014	PL.21185	B	50T	7.43Y	123.9	0.00	1.13	1.22	0	9	2	98	0.00	0.0	4.528	0.005	0	0	0	1
PL.21186	PD.3014	B	#1/0 ACSR	7.43Y	123.9	0.00	1.13	1.22	1	9	2	98	0.00	0.0	4.589	0.061	9	2	1	1
PL.20925	PL.20784	ABC	336 MCM AC	7.43Y	123.8	0.02	1.15	71.91	14	1536	458	96	0.16	0.0	4.560	0.036	0	0	1	409
PL.20972	PL.20925	ABC	336 MCM AC	7.42Y	123.7	0.10	1.26	71.89	14	1536	457	96	0.82	0.1	4.747	0.188	0	0	0	406
PL.21245	PL.20972	ABC	336 MCM AC	7.42Y	123.7	0.00	1.26	71.89	14	1535	456	96	0.01	0.0	4.750	0.003	0	0	0	406
PD.3048	PL.21245	ABC	100L	7.42Y	123.7	0.00	1.26	71.89	72	1535	455	96	0.00	0.0	4.750	0.003	0	0	0	406
PL.21246	PD.3048	ABC	336 MCM AC	7.42Y	123.7	0.06	1.31	71.89	14	1535	455	96	0.45	0.0	4.853	0.103	5	1	1	406
PL.20971	PL.21246	ABC	336 MCM AC	7.42Y	123.6	0.07	1.38	71.65	14	1530	453	96	0.57	0.0	4.985	0.132	0	0	0	405
PL.20856	PL.20971	ABC	336 MCM AC	7.41Y	123.6	0.06	1.45	71.65	14	1529	452	96	0.51	0.0	5.104	0.118	0	0	0	405
PL.20969	PL.20856	ABC	336 MCM AC	7.41Y	123.5	0.06	1.51	71.65	14	1528	450	96	0.45	0.0	5.208	0.104	0	0	1	405
PL.20970	PL.20969	ABC	336 MCM AC	7.41Y	123.4	0.08	1.58	71.63	14	1528	449	96	0.62	0.0	5.350	0.143	0	0	0	404
PL.20857	PL.20970	ABC	336 MCM AC	7.40Y	123.4	0.03	1.61	71.63	14	1527	448	96	0.21	0.0	5.399	0.049	0	0	0	404
PL.20604	PL.20857	A	#1/0 ACSR	7.40Y	123.4	0.00	1.61	1.33	1	9	3	95	0.00	0.0	5.404	0.005	0	0	0	2
PD.2985	PL.20604	A	40T	7.40Y	123.4	0.00	1.61	1.33	0	9	3	95	0.00	0.0	5.404	0.005	0	0	0	2
PL.20605	PD.2985	A	#1/0 ACSR	7.40Y	123.4	0.00	1.61	1.33	1	9	3	95	0.00	0.0	5.447	0.043	1	0	1	2
PL.20531	PL.20605	A	6 A (CWC)	7.40Y	123.4	0.00	1.62	1.16	1	8	2	97	0.00	0.0	5.631	0.183	8	2	1	1
PL.20785	PL.20857	ABC	336 MCM AC	7.40Y	123.3	0.04	1.65	71.19	14	1517	445	96	0.33	0.0	5.477	0.078	0	0	0	402
PL.20858	PL.20785	ABC	336 MCM AC	7.40Y	123.3	0.04	1.70	71.19	14	1517	444	96	0.35	0.0	5.560	0.083	0	0	0	402
PL.21241	PL.20858	ABC	336 MCM AC	7.40Y	123.3	0.04	1.74	71.19	14	1517	443	96	0.33	0.0	5.638	0.078	0	0	0	402
PD.3046-A	PL.21241	ABC	Closed	7.40Y	123.3	0.00	1.74	71.19	0	1516	442	96	0.00	0.0	5.638	0.078	0	0	0	402
PD.3046-B	PD.3046-A	ABC	Closed	7.40Y	123.3	0.00	1.74	71.19	0	1516	442	96	0.00	0.0	5.638	0.078	0	0	0	402
PL.21242	PD.3046-B	ABC	336 MCM AC	7.39Y	123.2	0.02	1.76	71.19	14	1516	442	96	0.16	0.0	5.676	0.038	0	0	0	402
PL.20786	PL.21242	ABC	336 MCM AC	7.39Y	123.2	0.03	1.79	54.77	11	1166	342	96	0.18	0.0	5.749	0.073	11	3	1	266
PL.20930	PL.20786	ABC	336 MCM AC	7.39Y	123.2	0.04	1.83	54.26	10	1155	339	96	0.27	0.0	5.857	0.108	4	1	3	265
PL.20602	PL.20930	C	#2 ACSR	7.39Y	123.2	0.00	1.83	0.01	0	0	0	100	0.00	0.0	5.862	0.005	0	0	0	1
PD.2984	PL.20602	C	40T	7.39Y	123.2	0.00	1.83	0.01	0	0	0	100	0.00	0.0	5.862	0.005	0	0	0	1
PL.20603	PD.2984	C	#2 ACSR	7.39Y	123.2	0.00	1.83	0.01	0	0	0	100	0.00	0.0	5.908	0.046	0	0	1	1
PL.20966	PL.20930	ABC	336 MCM AC	7.39Y	123.2	0.01	1.85	54.08	10	1151	337	96	0.08	0.0	5.889	0.032	4	1	1	261
PL.20967	PL.20966	ABC	336 MCM AC	7.39Y	123.1	0.04	1.89	53.88	10	1146	336	96	0.26	0.0	5.997	0.108	4	1	1	260
PL.20961	PL.20967	ABC	336 MCM AC	7.39Y	123.1	0.03	1.92	53.70	10	1142	334	96	0.15	0.0	6.061	0.064	1	0	1	259
PL.20929	PL.20961	ABC	336 MCM AC	7.38Y	123.1	0.01	1.93	53.13	10	1130	330	96	0.08	0.0	6.093	0.032	8	2	3	257

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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.20696	PL.20929	ABC	336 MCM AC	7.38Y	123.1	0.02	1.95	52.77	10	1122	328	96	0.10	0.0	6.135	0.042	2	0	1	254
PL.20926	PL.20696	ABC	#1/0 ACSR	7.38Y	122.9	0.12	2.06	51.94	23	1104	323	96	0.90	0.1	6.259	0.125	0	0	0	249
PL.20596	PL.20926	C	6 A (CWC)	7.38Y	122.9	0.00	2.06	2.45	2	17	5	96	0.00	0.0	6.264	0.005	0	0	0	2
PD.2982	PL.20596	C	40T	7.38Y	122.9	0.00	2.06	2.45	0	17	5	96	0.00	0.0	6.264	0.005	0	0	0	2
PL.20597	PD.2982	C	6 A (CWC)	7.38Y	122.9	0.00	2.07	2.45	2	17	5	96	0.00	0.0	6.338	0.074	17	5	2	2
PL.20598	PL.20926	ABC	#1/0 ACSR	7.38Y	122.9	0.00	2.07	50.96	22	1082	316	96	0.03	0.0	6.263	0.004	0	0	0	245
PL.20599	PL.20598	ABC	#1/0 ACSR	7.37Y	122.9	0.06	2.13	50.96	22	1082	316	96	0.45	0.0	6.329	0.066	0	0	0	245
PL.20700	PL.20599	ABC	#1/0 ACSR	7.37Y	122.8	0.09	2.22	50.96	22	1082	316	96	0.71	0.1	6.431	0.103	0	0	0	245
PL.20795	PL.20700	ABC	#1/0 ACSR	7.36Y	122.7	0.04	2.27	50.87	22	1079	314	96	0.32	0.0	6.478	0.047	0	0	0	244
PL.20863	PL.20795	ABC	#1/0 ACSR	7.36Y	122.6	0.10	2.36	50.87	22	1079	314	96	0.72	0.1	6.583	0.105	0	0	0	244
PL.20864	PL.20863	ABC	#1/0 ACSR	7.35Y	122.5	0.11	2.47	50.87	22	1078	313	96	0.82	0.1	6.702	0.119	0	0	0	244
PL.20584	PL.20864	ABC	#1/0 ACSR	7.34Y	122.4	0.13	2.60	50.59	22	1071	311	96	0.97	0.1	6.845	0.143	0	0	0	243
PL.20585	PL.20584	ABC	#1/0 ACSR	7.34Y	122.4	0.00	2.61	50.59	22	1070	310	96	0.03	0.0	6.849	0.004	11	3	2	243
PL.21225	PL.20585	C	#2 ACSR	7.34Y	122.4	0.00	2.61	0.31	0	2	1	89	0.00	0.0	6.854	0.005	0	0	0	2
PD.3035	PL.21225	C	40T	7.34Y	122.4	0.00	2.61	0.31	0	2	1	89	0.00	0.0	6.854	0.005	0	0	0	2
PL.21226	PD.3035	C	#2 ACSR	7.34Y	122.4	0.00	2.61	0.31	0	2	1	89	0.00	0.0	6.892	0.038	2	1	2	2
PL.21227	PL.20585	ABC	#1/0 ACSR	7.34Y	122.4	0.00	2.61	49.82	22	1054	306	96	0.03	0.0	6.854	0.004	0	0	0	236
PL.21228	PL.21227	ABC	#1/0 ACSR	7.34Y	122.3	0.08	2.69	49.82	22	1054	305	96	0.57	0.1	6.940	0.086	0	0	0	236
PL.20865	PL.21228	ABC	#1/0 ACSR	7.33Y	122.2	0.15	2.84	49.82	22	1054	305	96	1.06	0.1	7.101	0.161	0	0	0	236
PL.20923	PL.20865	ABC	#1/0 ACSR	7.33Y	122.1	0.08	2.91	49.82	22	1053	304	96	0.58	0.1	7.189	0.088	10	3	3	236
PL.20618	PL.20923	B	#4 ACSR	7.33Y	122.1	0.00	2.91	2.39	2	17	5	96	0.00	0.0	7.193	0.005	0	0	0	2
PD.2992	PL.20618	B	15T	7.33Y	122.1	0.00	2.91	2.39	0	17	5	96	0.00	0.0	7.193	0.005	0	0	0	2
PL.20619	PD.2992	B	#4 ACSR	7.32Y	122.1	0.02	2.93	2.39	2	17	5	96	0.00	0.0	7.377	0.184	0	0	0	2
PL.21016	PL.20619	B	#4 ACSR	7.32Y	122.0	0.02	2.95	2.39	2	17	5	96	0.00	0.0	7.532	0.155	0	0	0	2
PL.20869	PL.21016	B	#4 ACSR	7.32Y	122.0	0.01	2.96	2.39	2	17	5	96	0.00	0.0	7.624	0.092	0	0	0	2
PL.20708	PL.20869	B	#4 ACSR	7.32Y	122.0	0.01	2.97	1.22	1	9	2	98	0.00	0.0	7.737	0.113	0	0	0	1
PL.20707	PL.20708	B	#4 ACSR	7.32Y	122.0	0.00	2.97	0.00	0	0	0	100	0.00	0.0	7.872	0.136	0	0	0	0
PL.20870	PL.20707	B	#4 ACSR	7.32Y	122.0	0.00	2.97	0.00	0	0	0	100	0.00	0.0	7.948	0.075	0	0	0	0
PL.20706	PL.20708	B	#4 ACSR	7.32Y	122.0	0.00	2.97	1.22	1	9	2	98	0.00	0.0	7.847	0.111	9	2	1	1
PL.20825	PL.20869	B	#4 ACSR	7.32Y	122.0	0.00	2.96	1.17	1	8	2	97	0.00	0.0	7.696	0.072	0	0	0	1
PL.20709	PL.20825	B	#2 ACSR	7.32Y	122.0	0.00	2.97	1.17	1	8	2	97	0.00	0.0	7.741	0.045	8	2	1	1

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

Balanced Voltage Drop Report
Source: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.20924	PL.20923	ABC	#1/0 ACSR	7.32Y	122.1	0.02	2.93	48.53	21	1025	296	96	0.12	0.0	7.209	0.020	8	2	4	231
PL.20705	PL.20924	ABC	#1/0 ACSR	7.32Y	122.0	0.06	2.99	48.13	21	1016	293	96	0.41	0.0	7.277	0.068	10	3	1	227
PL.20922	PL.20705	ABC	#1/0 ACSR	7.32Y	121.9	0.08	3.07	47.67	21	1006	290	96	0.56	0.1	7.369	0.092	2	1	2	226
PL.21014	PL.20922	ABC	#1/0 ACSR	7.31Y	121.9	0.05	3.12	47.18	21	995	287	96	0.35	0.0	7.428	0.059	6	2	1	219
PL.21015	PL.21014	ABC	#1/0 ACSR	7.31Y	121.8	0.04	3.16	46.91	20	989	285	96	0.28	0.0	7.475	0.048	0	0	0	218
PL.20620	PL.21015	C	#4 ACSR	7.31Y	121.8	0.00	3.16	0.03	0	0	0	100	0.00	0.0	7.480	0.005	0	0	0	1
PD.2993	PL.20620	C	40T	7.31Y	121.8	0.00	3.16	0.03	0	0	0	100	0.00	0.0	7.480	0.005	0	0	0	1
PL.20621	PD.2993	C	#4 ACSR	7.31Y	121.8	0.00	3.16	0.03	0	0	0	100	0.00	0.0	7.530	0.050	0	0	1	1
PL.20797	PL.21015	ABC	#1/0 ACSR	7.31Y	121.8	0.06	3.22	46.90	20	988	284	96	0.43	0.0	7.549	0.073	0	0	0	217
PL.20624	PL.20797	A	6 A (CWC)	7.31Y	121.8	0.00	3.22	0.27	0	2	1	89	0.00	0.0	7.553	0.005	0	0	0	1
PD.2995	PL.20624	A	15T	7.31Y	121.8	0.00	3.22	0.27	0	2	1	89	0.00	0.0	7.553	0.005	0	0	0	1
PL.20625	PD.2995	A	6 A (CWC)	7.31Y	121.8	0.00	3.22	0.27	0	2	1	89	0.00	0.0	7.643	0.090	0	0	0	1
PL.21011	PL.20625	A	6 A (CWC)	7.31Y	121.8	0.00	3.23	0.27	0	2	1	89	0.00	0.0	7.814	0.171	0	0	0	1
PL.20710	PL.21011	A	6 A (CWC)	7.31Y	121.8	0.00	3.23	0.00	0	0	0	100	0.00	0.0	7.920	0.106	0	0	0	0
PL.20871	PL.20710	A	6 A (CWC)	7.31Y	121.8	0.00	3.23	0.00	0	0	0	100	0.00	0.0	8.012	0.092	0	0	0	0
PL.20799	PL.21011	A	6 A (CWC)	7.31Y	121.8	0.00	3.23	0.27	0	2	1	89	0.00	0.0	7.876	0.062	0	0	0	1
PL.21007	PL.20799	A	6 A (CWC)	7.31Y	121.8	0.00	3.23	0.27	0	2	1	89	0.00	0.0	7.889	0.013	0	0	0	1
PL.21008	PL.21007	A	6 A (CWC)	7.31Y	121.8	0.00	3.23	0.27	0	2	1	89	0.00	0.0	8.001	0.112	0	0	0	1
PL.21009	PL.21008	A	6 A (CWC)	7.31Y	121.8	0.00	3.23	0.27	0	2	1	89	0.00	0.0	8.133	0.132	0	0	0	1
PL.21010	PL.21009	A	6 A (CWC)	7.31Y	121.8	0.00	3.23	0.27	0	2	1	89	0.00	0.0	8.252	0.119	0	0	0	1
PL.20872	PL.21010	A	6 A (CWC)	7.31Y	121.8	0.00	3.23	0.27	0	2	1	89	0.00	0.0	8.371	0.118	0	0	0	1
PL.20712	PL.20872	A	#4 ACSR	7.31Y	121.8	0.00	3.23	0.00	0	0	0	100	0.00	0.0	8.408	0.037	0	0	0	0
PL.20800	PL.20872	A	6 A (CWC)	7.31Y	121.8	0.00	3.24	0.27	0	2	1	89	0.00	0.0	8.493	0.122	0	0	0	1
PL.20873	PL.20800	A	6 A (CWC)	7.31Y	121.8	0.00	3.24	0.27	0	2	1	89	0.00	0.0	8.586	0.094	2	1	1	1
PL.20711	PL.21008	A	6 A (CWC)	7.31Y	121.8	0.00	3.23	0.00	0	0	0	100	0.00	0.0	8.184	0.182	0	0	0	0
PL.20798	PL.20797	ABC	#1/0 ACSR	7.30Y	121.7	0.06	3.29	46.81	20	986	283	96	0.44	0.0	7.625	0.076	16	4	2	216
PL.20616	PL.20798	C	#1/0 ACSR	7.30Y	121.7	0.00	3.29	1.95	1	14	4	96	0.00	0.0	7.629	0.004	0	0	0	2
PD.2991	PL.20616	C	40T	7.30Y	121.7	0.00	3.29	1.95	0	14	4	96	0.00	0.0	7.629	0.004	0	0	0	2
PL.20617	PD.2991	C	#1/0 ACSR	7.30Y	121.7	0.00	3.29	1.95	1	14	4	96	0.00	0.0	7.683	0.054	8	2	1	2
PL.21012	PL.20617	C	#1/0 ACSR	7.30Y	121.7	0.00	3.29	0.85	0	6	2	95	0.00	0.0	7.710	0.027	6	2	1	1
PL.21017	PL.20798	ABC	#1/0 ACSR	7.30Y	121.7	0.06	3.34	45.40	20	956	275	96	0.37	0.0	7.694	0.069	15	4	3	212

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

Balanced Voltage Drop Report
Source: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.21018	PL.21017	ABC	#1/0 ACSR	7.29Y	121.6	0.08	3.42	44.67	19	940	270	96	0.49	0.1	7.790	0.096	33	9	4	209
PL.21019	PL.21018	ABC	#1/0 ACSR	7.29Y	121.5	0.07	3.49	43.08	19	906	260	96	0.46	0.1	7.884	0.094	11	3	1	205
PL.20626	PL.21019	A	6 A (CWC)	7.29Y	121.5	0.00	3.49	0.29	0	2	1	89	0.00	0.0	7.889	0.005	0	0	0	3
PD.2996	PL.20626	A	40T	7.29Y	121.5	0.00	3.49	0.29	0	2	1	89	0.00	0.0	7.889	0.005	0	0	0	3
PL.20627	PD.2996	A	6 A (CWC)	7.29Y	121.5	0.00	3.49	0.29	0	2	1	89	0.00	0.0	7.944	0.055	2	0	1	3
PL.21020	PL.20627	A	6 A (CWC)	7.29Y	121.5	0.00	3.49	0.04	0	0	0	100	0.00	0.0	7.974	0.030	0	0	2	2
PL.21021	PL.21019	ABC	#1/0 ACSR	7.29Y	121.5	0.02	3.52	42.45	18	892	256	96	0.14	0.0	7.912	0.028	0	0	1	201
PL.21022	PL.21021	ABC	#1/0 ACSR	7.29Y	121.4	0.04	3.56	42.43	18	892	256	96	0.25	0.0	7.966	0.053	1	0	1	200
PL.21023	PL.21022	ABC	#1/0 ACSR	7.28Y	121.4	0.05	3.61	42.39	18	891	255	96	0.33	0.0	8.036	0.070	0	0	0	199
PL.20801	PL.21023	ABC	#1/0 ACSR	7.28Y	121.3	0.08	3.69	39.73	17	835	239	96	0.49	0.1	8.152	0.117	0	0	0	185
PL.20874	PL.20801	ABC	#1/0 ACSR	7.27Y	121.2	0.09	3.78	39.73	17	834	239	96	0.51	0.1	8.275	0.122	0	0	0	185
PL.21037	PL.20874	ABC	#1/0 ACSR	7.27Y	121.1	0.08	3.86	39.73	17	834	238	96	0.48	0.1	8.389	0.115	10	3	1	185
PL.21038	PL.21037	ABC	#1/0 ACSR	7.27Y	121.1	0.03	3.90	39.28	17	824	235	96	0.20	0.0	8.438	0.048	15	4	2	184
PL.21039	PL.21038	ABC	#1/0 ACSR	7.26Y	121.1	0.04	3.94	38.57	17	808	231	96	0.21	0.0	8.491	0.053	0	0	0	182
PL.21169	PL.21039	A	6 A (CWC)	7.26Y	121.1	0.00	3.94	2.13	2	15	4	97	0.00	0.0	8.495	0.005	0	0	0	2
PD.3007	PL.21169	A	40T	7.26Y	121.1	0.00	3.94	2.13	0	15	4	97	0.00	0.0	8.495	0.005	0	0	0	2
PL.21170	PD.3007	A	6 A (CWC)	7.26Y	121.1	0.00	3.94	2.13	2	15	4	97	0.00	0.0	8.513	0.017	5	1	1	2
PL.20724	PL.21170	A	#4 ACSR	7.26Y	121.1	0.00	3.94	1.46	1	10	3	96	0.00	0.0	8.595	0.083	10	3	1	1
PL.20806	PL.21039	ABC	#1/0 ACSR	7.26Y	121.0	0.02	3.95	37.86	16	793	227	96	0.09	0.0	8.513	0.023	0	0	0	180
PL.21040	PL.20806	ABC	#1/0 ACSR	7.26Y	121.0	0.03	3.98	37.86	16	793	226	96	0.18	0.0	8.560	0.046	0	0	0	180
PL.21041	PL.21040	ABC	#1/0 ACSR	7.26Y	121.0	0.05	4.03	37.86	16	793	226	96	0.27	0.0	8.629	0.069	0	0	0	180
PL.20875	PL.21041	ABC	#1/0 ACSR	7.25Y	120.9	0.06	4.09	37.86	16	793	226	96	0.34	0.0	8.717	0.088	0	0	0	180
PL.20876	PL.20875	ABC	#1/0 ACSR	7.25Y	120.9	0.05	4.14	37.86	16	793	226	96	0.28	0.0	8.791	0.074	0	0	0	180
PL.21027	PL.20876	ABC	#1/0 ACSR	7.25Y	120.8	0.06	4.20	37.86	16	792	225	96	0.33	0.0	8.880	0.089	20	6	3	180
PL.21028	PL.21027	ABC	#1/0 ACSR	7.24Y	120.7	0.07	4.27	36.91	16	772	220	96	0.38	0.0	8.984	0.104	9	2	1	177
PL.20918	PL.21028	ABC	#1/0 ACSR	7.24Y	120.7	0.07	4.34	35.04	15	732	208	96	0.38	0.1	9.100	0.116	1	0	1	170
PL.20727	PL.20918	A	#4 ACSR	7.24Y	120.7	0.00	4.35	6.99	5	49	14	96	0.00	0.0	9.105	0.005	0	0	0	7
PD.3002	PL.20727	A	40T	7.24Y	120.7	0.00	4.35	6.99	0	49	14	96	0.00	0.0	9.105	0.005	0	0	0	7
PL.20920	PD.3002	A	6 A (CWC)	7.24Y	120.7	0.00	4.35	3.95	3	28	8	96	0.00	0.0	9.110	0.006	0	0	0	5
PL.20921	PL.20920	A	6 A (CWC)	7.24Y	120.7	0.00	4.35	3.95	3	28	8	96	0.00	0.0	9.110	0.000	0	0	0	5
PL.20725	PL.20921	A	6 A (CWC)	7.24Y	120.6	0.01	4.36	3.95	3	28	8	96	0.00	0.0	9.217	0.107	28	8	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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.20807	PD.3002	A	#4 ACSR	7.24Y	120.7	0.00	4.35	3.04	2	21	6	96	0.00	0.0	9.129	0.025	21	6	2	2
PL.20919	PL.20918	ABC	#1/0 ACSR	7.24Y	120.6	0.06	4.40	32.65	14	682	194	96	0.28	0.0	9.201	0.101	16	5	2	162
PL.21161	PL.20919	A	#4 ACSR	7.24Y	120.6	0.00	4.40	1.52	1	11	3	96	0.00	0.0	9.206	0.005	0	0	0	2
PD.3003	PL.21161	A	40T	7.24Y	120.6	0.00	4.40	1.52	0	11	3	96	0.00	0.0	9.206	0.005	0	0	0	2
PL.21162	PD.3003	A	#4 ACSR	7.24Y	120.6	0.00	4.40	1.52	1	11	3	96	0.00	0.0	9.243	0.037	11	3	2	2
PL.21029	PL.20919	ABC	#1/0 ACSR	7.23Y	120.6	0.02	4.42	31.37	14	655	186	96	0.08	0.0	9.231	0.030	0	0	1	158
PL.21030	PL.21029	ABC	#1/0 ACSR	7.23Y	120.6	0.03	4.45	31.37	14	655	186	96	0.12	0.0	9.278	0.047	9	3	2	157
PL.21163	PL.21030	C	6 A (CWC)	7.23Y	120.6	0.00	4.45	0.87	1	6	2	95	0.00	0.0	9.283	0.005	0	0	0	1
PD.3004	PL.21163	C	40T	7.23Y	120.6	0.00	4.45	0.87	0	6	2	95	0.00	0.0	9.283	0.005	0	0	0	1
PL.21164	PD.3004	C	6 A (CWC)	7.23Y	120.6	0.00	4.45	0.87	1	6	2	95	0.00	0.0	9.331	0.048	6	2	1	1
PL.20728	PL.21164	C	#4 ACSR	7.23Y	120.6	0.00	4.45	0.00	0	0	0	100	0.00	0.0	9.353	0.022	0	0	0	0
PL.20915	PL.21030	ABC	#1/0 ACSR	7.23Y	120.5	0.06	4.50	30.64	13	640	182	96	0.26	0.0	9.380	0.102	0	0	0	154
PL.20729	PL.20915	ABC	#1/0 ACSR	7.23Y	120.4	0.05	4.56	29.95	13	625	177	96	0.24	0.0	9.480	0.100	0	0	0	151
PL.20808	PL.20729	ABC	#1/0 ACSR	7.23Y	120.4	0.02	4.58	29.11	13	607	172	96	0.08	0.0	9.517	0.036	0	0	0	146
PL.20732	PL.20808	ABC	#1/0 ACSR	7.22Y	120.4	0.03	4.61	29.03	13	605	172	96	0.13	0.0	9.575	0.058	0	0	0	144
PL.20809	PL.20732	ABC	#1/0 ACSR	7.22Y	120.3	0.06	4.67	28.84	13	601	170	96	0.27	0.0	9.698	0.123	0	0	0	143
PL.20735	PL.20809	A	#1/0 ACSR	7.22Y	120.3	0.00	4.67	2.80	1	19	5	97	0.00	0.0	9.703	0.005	0	0	0	4
PD.3000	PL.20735	A	40T	7.22Y	120.3	0.00	4.67	2.80	0	19	5	97	0.00	0.0	9.703	0.005	0	0	0	4
PL.20908	PD.3000	A	#1/0 ACSR	7.22Y	120.3	0.00	4.67	1.61	1	11	3	96	0.00	0.0	9.712	0.009	0	0	0	2
PL.20909	PL.20908	A	#1/0 ACSR	7.22Y	120.3	0.00	4.67	1.61	1	11	3	96	0.00	0.0	9.712	0.000	0	0	0	2
PL.20767	PL.20909	A	#1/0 ACSR	7.22Y	120.3	0.00	4.67	1.61	1	11	3	96	0.00	0.0	9.725	0.012	0	0	0	2
PL.20812	PL.20767	A	#1/0 ACSR	7.22Y	120.3	0.00	4.67	0.78	0	5	2	93	0.00	0.0	9.816	0.092	5	2	1	1
PL.20734	PL.20767	A	#1/0 ACSR	7.22Y	120.3	0.00	4.67	0.83	0	6	2	95	0.00	0.0	9.773	0.049	6	2	1	1
PL.20811	PD.3000	A	#1/0 ACSR	7.22Y	120.3	0.00	4.67	1.18	1	8	2	97	0.00	0.0	9.739	0.036	8	2	2	2
PL.20810	PL.20809	ABC	#1/0 ACSR	7.22Y	120.3	0.03	4.70	27.91	12	582	165	96	0.11	0.0	9.749	0.051	0	0	0	139
PL.21159	PL.20810	A	#2 ACSR	7.22Y	120.3	0.00	4.70	0.96	1	7	2	96	0.00	0.0	9.753	0.004	0	0	0	1
PD.3001	PL.21159	A	40T	7.22Y	120.3	0.00	4.70	0.96	0	7	2	96	0.00	0.0	9.753	0.004	0	0	0	1
PL.21160	PD.3001	A	#2 ACSR	7.22Y	120.3	0.00	4.70	0.96	1	7	2	96	0.00	0.0	9.756	0.003	7	2	1	1
PL.20736	PL.20810	ABC	#1/0 ACSR	7.22Y	120.3	0.05	4.75	27.59	12	575	163	96	0.19	0.0	9.845	0.095	0	0	0	138
PL.20878	PL.20736	ABC	#1/0 ACSR	7.21Y	120.2	0.05	4.80	27.59	12	575	163	96	0.21	0.0	9.947	0.103	0	0	0	138
PL.21051	PL.20878	ABC	#1/0 ACSR	7.21Y	120.2	0.03	4.82	27.59	12	574	162	96	0.10	0.0	9.998	0.051	1	0	1	138

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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.21052	PL.21051	ABC	#1/0 ACSR	7.21Y	120.2	0.02	4.84	27.56	12	574	162	96	0.07	0.0	10.032	0.034	0	0	0	137
PL.20813	PL.21052	ABC	#1/0 ACSR	7.21Y	120.1	0.06	4.90	26.17	11	545	154	96	0.23	0.0	10.157	0.125	0	0	0	130
PL.20879	PL.20813	ABC	#1/0 ACSR	7.20Y	120.1	0.05	4.94	26.17	11	544	154	96	0.18	0.0	10.255	0.098	0	0	0	130
PL.21173	PL.20879	C	#2 ACSR	7.20Y	120.1	0.00	4.94	0.48	0	3	1	95	0.00	0.0	10.260	0.005	0	0	0	1
PD.3009	PL.21173	C	40T	7.20Y	120.1	0.00	4.94	0.48	0	3	1	95	0.00	0.0	10.260	0.005	0	0	0	1
PL.21174	PD.3009	C	#2 ACSR	7.20Y	120.1	0.00	4.94	0.48	0	3	1	95	0.00	0.0	10.293	0.034	3	1	1	1
PL.21050	PL.21174	C	#2 ACSR	7.20Y	120.1	0.00	4.94	0.00	0	0	0	100	0.00	0.0	10.395	0.102	0	0	0	0
PL.21047	PL.20879	ABC	#1/0 ACSR	7.20Y	120.0	0.02	4.96	26.01	11	541	153	96	0.06	0.0	10.291	0.036	14	4	6	129
PL.21048	PL.21047	ABC	#1/0 ACSR	7.20Y	120.0	0.02	4.98	25.32	11	527	149	96	0.06	0.0	10.329	0.038	8	2	1	123
PL.21049	PL.21048	ABC	#1/0 ACSR	7.20Y	120.0	0.02	5.00	24.92	11	518	146	96	0.08	0.0	10.378	0.050	8	2	3	122
PL.21171	PL.21049	B	6 A (CWC)	7.20Y	120.0	0.00	5.00	1.31	1	9	3	95	0.00	0.0	10.383	0.005	0	0	0	2
PD.3008	PL.21171	B	40T	7.20Y	120.0	0.00	5.00	1.31	0	9	3	95	0.00	0.0	10.383	0.005	0	0	0	2
PL.21172	PD.3008	B	6 A (CWC)	7.20Y	120.0	0.00	5.00	1.31	1	9	3	95	0.00	0.0	10.438	0.055	9	3	2	2
PL.20906	PL.21049	ABC	#1/0 ACSR	7.20Y	120.0	0.01	5.01	24.13	10	502	141	96	0.05	0.0	10.410	0.031	3	1	1	117
PL.20737	PL.20906	C	#4 ACSR	7.20Y	120.0	0.02	5.03	37.51	29	260	73	96	0.04	0.0	10.422	0.012	0	0	0	63
PL.20738	PL.20737	C	#4 ACSR	7.20Y	119.9	0.04	5.07	34.60	27	240	68	96	0.07	0.0	10.446	0.024	0	0	0	58
PL.21247	PL.20738	C	6 A (CWC)	7.20Y	119.9	0.00	5.08	34.60	25	240	68	96	0.01	0.0	10.449	0.003	0	0	0	58
PD.3049	PL.21247	C	70L	7.20Y	119.9	0.00	5.08	34.60	49	240	68	96	0.00	0.0	10.449	0.003	0	0	0	58
PL.21248	PD.3049	C	6 A (CWC)	7.19Y	119.8	0.08	5.16	34.60	25	240	68	96	0.14	0.1	10.501	0.053	21	6	5	58
PL.20901	PL.21248	C	6 A (CWC)	7.19Y	119.8	0.05	5.20	31.50	23	218	62	96	0.08	0.0	10.534	0.033	0	0	0	51
PL.20902	PL.20901	C	6 A (CWC)	7.18Y	119.7	0.09	5.29	29.79	21	206	58	96	0.13	0.1	10.600	0.066	15	4	3	48
PL.21177	PL.20902	C	6 A (CWC)	7.18Y	119.7	0.01	5.30	6.67	5	46	13	96	0.00	0.0	10.625	0.024	0	0	0	15
PD.3011	PL.21177	C	15T	7.18Y	119.7	0.00	5.30	6.67	0	46	13	96	0.00	0.0	10.625	0.024	0	0	0	15
PL.21178	PD.3011	C	6 A (CWC)	7.18Y	119.7	0.02	5.32	6.67	5	46	13	96	0.01	0.0	10.702	0.078	0	0	0	15
PL.20762	PL.21178	C	6 A (CWC)	7.18Y	119.6	0.03	5.35	6.67	5	46	13	96	0.01	0.0	10.802	0.100	0	0	0	15
PL.20880	PL.20762	C	6 A (CWC)	7.18Y	119.6	0.03	5.38	6.67	5	46	13	96	0.01	0.0	10.902	0.100	0	0	0	15
PL.21055	PL.20880	C	6 A (CWC)	7.18Y	119.6	0.03	5.41	6.67	5	46	13	96	0.01	0.0	11.000	0.099	5	2	5	15
PL.21056	PL.21055	C	6 A (CWC)	7.17Y	119.6	0.01	5.42	5.88	4	41	11	97	0.00	0.0	11.033	0.033	0	0	1	10
PL.21057	PL.21056	C	6 A (CWC)	7.17Y	119.6	0.01	5.43	5.83	4	40	11	96	0.00	0.0	11.086	0.052	0	0	0	9
PL.20764	PL.21057	C	6 A (CWC)	7.17Y	119.6	0.00	5.43	0.00	0	0	0	100	0.00	0.0	11.145	0.059	0	0	0	1
PL.20816	PL.20764	C	6 A (CWC)	7.17Y	119.6	0.00	5.43	0.00	0	0	0	100	0.00	0.0	11.225	0.080	0	0	1	1

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

Balanced Voltage Drop Report
Source: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.20765	PL.20764	C	6 A (CWC)	7.17Y	119.6	0.00	5.43	0.00	0	0	0	100	0.00	0.0	11.171	0.026	0	0	0	0
PL.20815	PL.21057	C	6 A (CWC)	7.17Y	119.6	0.01	5.44	5.80	4	40	11	96	0.00	0.0	11.109	0.023	0	0	0	7
PL.20817	PL.20815	C	6 A (CWC)	7.17Y	119.6	0.01	5.45	2.90	2	20	6	96	0.00	0.0	11.200	0.091	19	5	2	3
PL.21064	PL.20817	C	6 A (CWC)	7.17Y	119.6	0.00	5.45	0.11	0	1	0	100	0.00	0.0	11.249	0.049	1	0	1	1
PL.21065	PL.21064	C	6 A (CWC)	7.17Y	119.6	0.00	5.45	0.00	0	0	0	100	0.00	0.0	11.328	0.079	0	0	0	0
PL.20766	PL.20815	C	#1/0 ACSR	7.17Y	119.6	0.00	5.44	0.18	0	1	0	100	0.00	0.0	11.154	0.045	1	0	1	1
PL.21066	PL.20815	C	6 A (CWC)	7.17Y	119.6	0.01	5.44	2.71	2	19	5	97	0.00	0.0	11.152	0.043	0	0	2	3
PL.21067	PL.21066	C	6 A (CWC)	7.17Y	119.6	0.00	5.45	2.71	2	19	5	97	0.00	0.0	11.218	0.066	19	5	1	1
PL.20763	PL.21057	C	#1/0 ACSR	7.17Y	119.6	0.00	5.43	0.04	0	0	0	100	0.00	0.0	11.101	0.016	0	0	1	1
PL.21058	PL.20902	C	6 A (CWC)	7.18Y	119.6	0.11	5.40	20.92	15	145	41	96	0.12	0.1	10.719	0.118	7	2	2	30
PL.21059	PL.21058	C	6 A (CWC)	7.17Y	119.5	0.12	5.52	19.85	14	137	39	96	0.13	0.1	10.855	0.136	0	0	0	28
PL.20881	PL.21059	C	6 A (CWC)	7.16Y	119.4	0.11	5.64	19.85	14	137	39	96	0.12	0.1	10.977	0.122	0	0	0	28
PL.20882	PL.20881	C	6 A (CWC)	7.16Y	119.3	0.10	5.74	19.85	14	137	39	96	0.11	0.1	11.089	0.111	0	0	0	28
PL.20741	PL.20882	C	6 A (CWC)	7.16Y	119.3	0.00	5.74	0.00	0	0	0	100	0.00	0.0	11.145	0.056	0	0	0	0
PL.21062	PL.20882	C	6 A (CWC)	7.15Y	119.2	0.09	5.83	19.85	14	137	39	96	0.10	0.1	11.192	0.103	5	1	1	28
PL.21063	PL.21062	C	6 A (CWC)	7.14Y	119.0	0.14	5.97	19.17	14	132	37	96	0.14	0.1	11.350	0.158	0	0	0	27
PL.21060	PL.21063	C	6 A (CWC)	7.14Y	118.9	0.09	6.06	19.17	14	132	37	96	0.09	0.1	11.453	0.103	3	1	1	27
PL.21061	PL.21060	C	6 A (CWC)	7.13Y	118.8	0.09	6.15	18.78	13	129	36	96	0.09	0.1	11.563	0.110	0	0	0	26
PL.20883	PL.21061	C	6 A (CWC)	7.13Y	118.8	0.09	6.25	18.78	13	129	36	96	0.09	0.1	11.671	0.108	0	0	0	26
PL.20899	PL.20883	C	6 A (CWC)	7.12Y	118.7	0.10	6.34	18.78	13	129	36	96	0.10	0.1	11.784	0.113	0	0	0	26
PL.20884	PL.20899	C	6 A (CWC)	7.11Y	118.6	0.08	6.43	18.78	13	129	36	96	0.08	0.1	11.882	0.098	0	0	0	26
PL.20744	PL.20884	C	6 A (CWC)	7.11Y	118.6	0.01	6.44	4.39	3	30	8	97	0.00	0.0	11.930	0.048	12	3	2	4
PL.20742	PL.20744	C	#2 ACSR	7.11Y	118.6	0.00	6.44	1.88	1	13	4	96	0.00	0.0	12.007	0.077	13	4	1	1
PL.20743	PL.20744	C	#2 ACSR	7.11Y	118.6	0.00	6.44	0.81	0	6	2	95	0.00	0.0	11.977	0.047	6	2	1	1
PL.20818	PL.20884	C	6 A (CWC)	7.11Y	118.5	0.05	6.48	14.39	10	99	28	96	0.04	0.0	11.957	0.076	0	0	0	22
PL.20745	PL.20818	C	#4 ACSR	7.11Y	118.5	0.01	6.49	2.04	2	14	4	96	0.00	0.0	12.051	0.094	0	0	0	3
PL.20746	PL.20745	C	#1/0 ACSR	7.11Y	118.5	0.00	6.49	2.04	1	14	4	96	0.00	0.0	12.081	0.030	14	4	3	3
PL.20819	PL.20818	C	6 A (CWC)	7.11Y	118.5	0.05	6.52	12.35	9	85	24	96	0.03	0.0	12.040	0.082	0	0	0	19
PL.20826	PL.20819	C	6 A (CWC)	7.10Y	118.4	0.09	6.62	12.35	9	85	24	96	0.06	0.1	12.207	0.167	0	0	0	19
PL.20820	PL.20826	C	6 A (CWC)	7.10Y	118.3	0.05	6.67	9.83	7	67	19	96	0.03	0.0	12.325	0.118	5	1	1	17
PL.20748	PL.20820	C	#4 ACSR	7.10Y	118.3	0.01	6.68	2.41	2	16	5	95	0.00	0.0	12.461	0.136	9	3	3	4

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

Balanced Voltage Drop Report
Source: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.20749	PL.20748	C	#4 ACSR	7.10Y	118.3	0.00	6.68	1.08	1	7	2	96	0.00	0.0	12.531	0.070	7	2	1	1
PL.21042	PL.20820	C	6 A (CWC)	7.10Y	118.3	0.04	6.71	6.73	5	46	13	96	0.01	0.0	12.471	0.147	8	2	3	12
PL.21043	PL.21042	C	6 A (CWC)	7.10Y	118.3	0.02	6.73	5.57	4	38	11	96	0.01	0.0	12.554	0.083	3	1	1	9
PL.21044	PL.21043	C	6 A (CWC)	7.09Y	118.2	0.03	6.76	5.19	4	35	10	96	0.01	0.0	12.661	0.107	0	0	0	8
PL.20900	PL.21044	C	6 A (CWC)	7.09Y	118.2	0.02	6.78	5.19	4	35	10	96	0.01	0.0	12.749	0.088	0	0	0	8
PL.20885	PL.20900	C	6 A (CWC)	7.09Y	118.2	0.02	6.80	5.19	4	35	10	96	0.01	0.0	12.847	0.098	0	0	0	8
PL.20821	PL.20885	C	6 A (CWC)	7.09Y	118.2	0.02	6.82	4.03	3	27	8	96	0.00	0.0	12.954	0.107	0	0	0	5
PL.20912	PL.20821	C	6 A (CWC)	7.09Y	118.2	0.02	6.84	4.03	3	27	8	96	0.00	0.0	13.062	0.109	0	0	0	5
PL.20752	PL.20912	C	6 A (CWC)	7.09Y	118.2	0.00	6.84	0.44	0	3	1	95	0.00	0.0	13.226	0.164	0	0	0	1
PL.20886	PL.20752	C	6 A (CWC)	7.09Y	118.2	0.00	6.85	0.44	0	3	1	95	0.00	0.0	13.397	0.170	3	1	1	1
PL.65833	PL.20752	C	#1/0 ACSR	7.09Y	118.2	0.00	6.84	0.00	0	0	0	100	0.00	0.0	13.268	0.041	0	0	0	0
PL.20913	PL.20912	C	6 A (CWC)	7.09Y	118.1	0.02	6.86	3.58	3	24	7	96	0.00	0.0	13.173	0.111	0	0	0	4
PL.20916	PL.20913	C	6 A (CWC)	7.09Y	118.1	0.03	6.88	3.58	3	24	7	96	0.00	0.0	13.358	0.185	8	2	1	4
PL.20753	PL.20916	C	#4 ACSR	7.09Y	118.1	0.00	6.89	0.99	1	7	2	96	0.00	0.0	13.394	0.036	7	2	2	2
PL.20917	PL.20916	C	6 A (CWC)	7.09Y	118.1	0.01	6.89	1.48	1	10	3	96	0.00	0.0	13.546	0.188	10	3	1	1
PL.20751	PL.20885	C	#2 ACSR	7.09Y	118.2	0.00	6.80	1.16	1	8	2	97	0.00	0.0	12.872	0.025	0	0	0	3
PL.20750	PL.20751	C	#2 ACSR	7.09Y	118.2	0.00	6.80	0.57	0	4	1	97	0.00	0.0	12.919	0.047	4	1	1	1
PL.20822	PL.20751	C	#2 ACSR	7.09Y	118.2	0.00	6.80	0.59	0	4	1	97	0.00	0.0	12.884	0.012	4	1	2	2
PL.20747	PL.20826	C	6 A (CWC)	7.10Y	118.4	0.00	6.62	2.53	2	17	5	96	0.00	0.0	12.272	0.065	17	5	2	2
PL.21053	PL.20901	C	#1/0 ACSR	7.19Y	119.8	0.00	5.20	1.71	1	12	3	97	0.00	0.0	10.566	0.031	5	1	2	3
PL.21054	PL.21053	C	#1/0 ACSR	7.19Y	119.8	0.00	5.20	0.97	0	7	2	96	0.00	0.0	10.601	0.036	7	2	1	1
PL.20740	PL.21248	C	#2 ACSR	7.19Y	119.8	0.00	5.16	0.00	0	0	0	100	0.00	0.0	10.542	0.041	0	0	2	2
PL.20814	PL.20737	C	#4 ACSR	7.20Y	120.0	0.00	5.04	2.91	2	20	6	96	0.00	0.0	10.445	0.024	20	6	5	5
PL.20904	PL.20906	ABC	#1/0 ACSR	7.20Y	120.0	0.01	5.02	11.49	5	239	67	96	0.02	0.0	10.462	0.052	0	0	0	53
PL.20887	PL.20904	ABC	#1/0 ACSR	7.20Y	119.9	0.03	5.06	11.49	5	239	67	96	0.06	0.0	10.622	0.160	0	0	0	53
PL.20823	PL.20887	ABC	#1/0 ACSR	7.20Y	119.9	0.01	5.07	10.98	5	228	64	96	0.02	0.0	10.695	0.073	0	0	0	51
PL.20754	PL.20823	ABC	#1/0 ACSR	7.19Y	119.9	0.02	5.09	10.98	5	228	64	96	0.03	0.0	10.797	0.102	0	0	0	51
PL.20612	PL.20754	A	6 A (CWC)	7.19Y	119.9	0.00	5.09	5.82	4	40	11	96	0.00	0.0	10.802	0.005	0	0	0	9
PD.2989	PL.20612	A	40T	7.19Y	119.9	0.00	5.09	5.82	0	40	11	96	0.00	0.0	10.802	0.005	0	0	0	9
PL.20613	PD.2989	A	6 A (CWC)	7.19Y	119.9	0.02	5.11	5.82	4	40	11	96	0.01	0.0	10.877	0.075	4	1	1	9
PL.21000	PL.20613	A	6 A (CWC)	7.19Y	119.9	0.02	5.13	4.29	3	30	8	97	0.00	0.0	10.979	0.103	15	4	3	6

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

Balanced Voltage Drop Report
Source: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.21001	PL.21000	A	6 A (CWC)	7.19Y	119.9	0.00	5.13	2.17	2	15	4	97	0.00	0.0	11.005	0.026	6	2	2	3
PL.20998	PL.21001	A	#2 ACSR	7.19Y	119.9	0.00	5.13	1.28	1	9	2	98	0.00	0.0	11.022	0.017	0	0	0	1
PL.20999	PL.20998	A	#2 ACSR	7.19Y	119.9	0.00	5.13	1.28	1	9	2	98	0.00	0.0	11.060	0.038	9	2	1	1
PL.21002	PL.20613	A	#4 ACSR	7.19Y	119.9	0.00	5.12	1.00	1	7	2	96	0.00	0.0	10.982	0.105	2	1	1	2
PL.21003	PL.21002	A	#4 ACSR	7.19Y	119.9	0.00	5.12	0.68	1	5	1	98	0.00	0.0	11.023	0.041	5	1	1	1
PL.21004	PL.21003	A	#4 ACSR	7.19Y	119.9	0.00	5.12	0.00	0	0	0	100	0.00	0.0	11.066	0.043	0	0	0	0
PL.20755	PL.21004	A	#2 ACSR	7.19Y	119.9	0.00	5.12	0.00	0	0	0	100	0.00	0.0	11.081	0.015	0	0	0	0
PL.21005	PL.20755	A	#2 ACSR	7.19Y	119.9	0.00	5.12	0.00	0	0	0	100	0.00	0.0	11.106	0.025	0	0	0	0
PL.21006	PL.21005	A	#2 ACSR	7.19Y	119.9	0.00	5.12	0.00	0	0	0	100	0.00	0.0	11.151	0.045	0	0	0	0
PL.20824	PL.20754	ABC	#1/0 ACSR	7.19Y	119.9	0.01	5.10	9.04	4	188	53	96	0.01	0.0	10.830	0.033	1	0	1	42
PL.20761	PL.20824	ABC	#1/0 ACSR	7.19Y	119.9	0.01	5.10	9.00	4	187	53	96	0.01	0.0	10.866	0.036	0	0	0	41
PL.20903	PL.20761	ABC	#1/0 ACSR	7.19Y	119.9	0.01	5.12	9.00	4	187	53	96	0.02	0.0	10.941	0.075	1	0	1	41
PL.20614	PL.20903	C	6 A (CWC)	7.19Y	119.9	0.00	5.12	0.71	1	5	1	98	0.00	0.0	10.945	0.005	0	0	0	1
PD.2990	PL.20614	C	40T	7.19Y	119.9	0.00	5.12	0.71	0	5	1	98	0.00	0.0	10.945	0.005	0	0	0	1
PL.20615	PD.2990	C	6 A (CWC)	7.19Y	119.9	0.00	5.12	0.71	1	5	1	98	0.00	0.0	10.980	0.034	5	1	1	1
PL.21231	PL.20903	A	6 A (CWC)	7.19Y	119.9	0.00	5.12	0.33	0	2	1	89	0.00	0.0	10.945	0.005	0	0	0	1
PD.3039	PL.21231	A	40T	7.19Y	119.9	0.00	5.12	0.33	0	2	1	89	0.00	0.0	10.945	0.005	0	0	0	1
PL.21232	PD.3039	A	6 A (CWC)	7.19Y	119.9	0.00	5.12	0.33	0	2	1	89	0.00	0.0	11.027	0.081	2	1	1	1
PL.20996	PL.20903	ABC	#1/0 ACSR	7.19Y	119.9	0.01	5.13	8.62	4	179	50	96	0.01	0.0	11.000	0.059	8	2	1	38
PL.20997	PL.20996	ABC	#1/0 ACSR	7.19Y	119.9	0.01	5.13	8.23	4	171	48	96	0.01	0.0	11.047	0.047	0	0	0	37
PL.20905	PL.20997	ABC	#1/0 ACSR	7.19Y	119.9	0.01	5.14	7.54	3	157	44	96	0.01	0.0	11.129	0.081	0	0	0	33
PL.20756	PL.20905	ABC	#1/0 ACSR	7.19Y	119.8	0.01	5.15	7.54	3	157	44	96	0.01	0.0	11.205	0.076	0	0	0	33
PL.21255	PL.20756	A	#4 ACSR	7.19Y	119.8	0.06	5.21	16.97	13	117	33	96	0.05	0.0	11.278	0.074	0	0	0	25
PD.3054	PL.21255	A	35L	7.19Y	119.8	0.00	5.21	16.97	48	117	33	96	0.00	0.0	11.278	0.074	0	0	0	25
PL.21256	PD.3054	A	#4 ACSR	7.19Y	119.8	0.01	5.22	16.97	13	117	33	96	0.01	0.0	11.298	0.020	9	2	1	25
PL.20907	PL.21256	A	#4 ACSR	7.18Y	119.7	0.03	5.25	14.66	11	101	28	96	0.02	0.0	11.343	0.045	0	0	1	23
PL.20991	PL.20907	A	#4 ACSR	7.18Y	119.7	0.05	5.30	13.43	10	93	26	96	0.03	0.0	11.422	0.079	4	1	1	20
PL.20992	PL.20991	A	#4 ACSR	7.18Y	119.7	0.03	5.33	12.85	10	89	25	96	0.02	0.0	11.474	0.052	9	3	1	19
PL.20989	PL.20992	A	#4 ACSR	7.18Y	119.7	0.00	5.33	1.05	1	7	2	96	0.00	0.0	11.528	0.054	1	0	1	2
PL.20990	PL.20989	A	#4 ACSR	7.18Y	119.7	0.00	5.33	0.85	1	6	2	95	0.00	0.0	11.568	0.040	6	2	1	1
PL.20987	PL.20992	A	#4 ACSR	7.18Y	119.6	0.03	5.36	10.47	8	72	20	96	0.02	0.0	11.538	0.064	2	0	1	16

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

Balanced Voltage Drop Report
Source: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.20988	PL.20987	A	#4 ACSR	7.18Y	119.6	0.04	5.40	10.23	8	71	20	96	0.02	0.0	11.636	0.098	1	0	1	15
PL.20986	PL.20988	A	#4 ACSR	7.17Y	119.5	0.06	5.46	10.01	8	69	19	96	0.03	0.0	11.769	0.132	2	1	1	14
PL.20983	PL.20986	A	#4 ACSR	7.17Y	119.5	0.05	5.51	9.71	7	67	19	96	0.03	0.0	11.896	0.128	5	1	2	13
PL.20982	PL.20983	A	#4 ACSR	7.17Y	119.5	0.02	5.54	9.00	7	62	17	96	0.01	0.0	11.955	0.059	3	1	1	11
PL.20910	PL.20982	A	#4 ACSR	7.17Y	119.5	0.01	5.55	6.79	5	47	13	96	0.00	0.0	11.990	0.035	2	0	1	9
PL.20976	PL.20910	A	#1/0 ACSR	7.17Y	119.4	0.01	5.56	3.75	2	26	7	97	0.00	0.0	12.157	0.166	12	3	1	4
PL.20977	PL.20976	A	#1/0 ACSR	7.17Y	119.4	0.00	5.56	2.01	1	14	4	96	0.00	0.0	12.218	0.061	1	0	1	3
PL.20975	PL.20977	A	#1/0 ACSR	7.17Y	119.4	0.00	5.56	1.86	1	13	4	96	0.00	0.0	12.305	0.087	0	0	0	2
PL.20888	PL.20975	A	#1/0 ACSR	7.17Y	119.4	0.00	5.57	1.86	1	13	4	96	0.00	0.0	12.411	0.106	0	0	0	2
PL.20889	PL.20888	A	#1/0 ACSR	7.17Y	119.4	0.01	5.57	1.86	1	13	4	96	0.00	0.0	12.548	0.137	0	0	0	2
PL.20606	PL.20889	A	1/0 AL URD	7.17Y	119.4	0.00	5.58	1.86	1	13	4	96	0.00	0.0	12.552	0.005	0	0	0	2
PD.2986	PL.20606	A	15T	7.17Y	119.4	0.00	5.58	1.86	0	13	4	96	0.00	0.0	12.552	0.005	0	0	0	2
PL.20607	PD.2986	A	1/0 AL URD	7.17Y	119.4	0.00	5.58	1.86	1	13	4	96	0.00	0.0	12.629	0.077	7	2	1	2
PL.21148	PL.20607	A	1/0 AL URD	7.17Y	119.4	0.00	5.58	0.87	1	6	2	95	0.00	0.0	12.703	0.074	6	2	1	1
PL.20978	PL.20910	A	#4 ACSR	7.17Y	119.4	0.01	5.55	2.81	2	19	5	97	0.00	0.0	12.031	0.041	0	0	0	4
PL.20979	PL.20978	A	#4 ACSR	7.17Y	119.4	0.01	5.56	2.81	2	19	5	97	0.00	0.0	12.094	0.063	0	0	0	4
PL.20760	PL.20979	A	#1/0 ACSR	7.17Y	119.4	0.00	5.56	1.18	1	8	2	97	0.00	0.0	12.130	0.036	8	2	1	1
PL.20980	PL.20979	A	#4 ACSR	7.17Y	119.4	0.00	5.56	1.63	1	11	3	96	0.00	0.0	12.150	0.055	9	2	1	3
PL.20981	PL.20980	A	#4 ACSR	7.17Y	119.4	0.00	5.56	0.36	0	2	1	89	0.00	0.0	12.293	0.143	2	1	1	2
PL.20974	PL.20981	A	#4 ACSR	7.17Y	119.4	0.00	5.56	0.01	0	0	0	100	0.00	0.0	12.371	0.078	0	0	0	1
PL.20890	PL.20974	A	#4 ACSR	7.17Y	119.4	0.00	5.56	0.01	0	0	0	100	0.00	0.0	12.480	0.110	0	0	0	1
PL.20891	PL.20890	A	#4 ACSR	7.17Y	119.4	0.00	5.56	0.01	0	0	0	100	0.00	0.0	12.579	0.098	0	0	0	1
PL.20892	PL.20891	A	#4 ACSR	7.17Y	119.4	0.00	5.56	0.01	0	0	0	100	0.00	0.0	12.691	0.112	0	0	0	1
PL.20893	PL.20892	A	#4 ACSR	7.17Y	119.4	0.00	5.56	0.01	0	0	0	100	0.00	0.0	12.744	0.053	0	0	1	1
PL.20759	PL.20982	A	#1/0 ACSR	7.17Y	119.5	0.00	5.54	1.82	1	13	4	96	0.00	0.0	12.065	0.110	13	4	1	1
PL.20758	PL.20907	A	#1/0 ACSR	7.18Y	119.7	0.00	5.25	1.23	1	9	2	98	0.00	0.0	11.402	0.059	9	2	2	2
PL.20757	PL.21256	A	#1/0 ACSR	7.19Y	119.8	0.00	5.22	1.07	0	7	2	96	0.00	0.0	11.390	0.092	7	2	1	1
PL.20993	PL.20756	ABC	#1/0 ACSR	7.19Y	119.8	0.00	5.16	1.88	1	39	11	96	0.00	0.0	11.282	0.078	4	1	1	8
PL.20994	PL.20993	ABC	#1/0 ACSR	7.19Y	119.8	0.00	5.16	1.68	1	35	10	96	0.00	0.0	11.379	0.096	23	6	4	7
PL.20985	PL.20994	ABC	#1/0 ACSR	7.19Y	119.8	0.00	5.16	0.57	0	12	3	97	0.00	0.0	11.440	0.061	4	1	1	3
PL.20984	PL.20985	ABC	#1/0 ACSR	7.19Y	119.8	0.00	5.16	0.40	0	8	2	97	0.00	0.0	11.480	0.040	8	2	2	2

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

Balanced Voltage Drop Report
Source: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.21237	PL.20984	ABC	#1/0 ACSR	7.19Y	119.8	0.00	5.16	0.00	0	0	0	100	0.00	0.0	11.501	0.021	0	0	0	0
PD.3044-A	PL.21237	ABC	Open	7.19Y	119.8	0.00	5.16	0.00	0	0	0	100	0.00	0.0	11.501	0.021	0	0	0	0
PL.20608	PL.20997	A	6 A (CWC)	7.19Y	119.9	0.00	5.13	2.06	1	14	4	96	0.00	0.0	11.052	0.005	0	0	0	4
PD.2987	PL.20608	A	40T	7.19Y	119.9	0.00	5.13	2.06	0	14	4	96	0.00	0.0	11.052	0.005	0	0	0	4
PL.20609	PD.2987	A	6 A (CWC)	7.19Y	119.9	0.00	5.14	2.06	1	14	4	96	0.00	0.0	11.118	0.066	13	4	3	4
PL.20995	PL.20609	A	6 A (CWC)	7.19Y	119.9	0.00	5.14	0.26	0	2	0	100	0.00	0.0	11.192	0.074	2	0	1	1
PL.20610	PL.20887	C	6 A (CWC)	7.20Y	119.9	0.00	5.06	1.53	1	11	3	96	0.00	0.0	10.626	0.005	0	0	0	2
PD.2988	PL.20610	C	40T	7.20Y	119.9	0.00	5.06	1.53	0	11	3	96	0.00	0.0	10.626	0.005	0	0	0	2
PL.20611	PD.2988	C	6 A (CWC)	7.20Y	119.9	0.00	5.06	1.53	1	11	3	96	0.00	0.0	10.739	0.113	9	2	1	2
PL.20739	PL.20611	C	#4 ACSR	7.20Y	119.9	0.00	5.06	0.25	0	2	0	100	0.00	0.0	10.805	0.066	2	0	1	1
PL.21229	PL.21052	C	#4 ACSR	7.21Y	120.2	0.00	4.84	1.47	1	10	3	96	0.00	0.0	10.036	0.005	0	0	0	2
PD.3038	PL.21229	C	40T	7.21Y	120.2	0.00	4.84	1.47	0	10	3	96	0.00	0.0	10.036	0.005	0	0	0	2
PL.21230	PD.3038	C	#4 ACSR	7.21Y	120.2	0.00	4.84	1.47	1	10	3	96	0.00	0.0	10.107	0.071	10	3	2	2
PL.21175	PL.21052	A	#4 ACSR	7.21Y	120.2	0.00	4.84	2.72	2	19	5	97	0.00	0.0	10.036	0.005	0	0	0	5
PD.3010	PL.21175	A	40T	7.21Y	120.2	0.00	4.84	2.72	0	19	5	97	0.00	0.0	10.036	0.005	0	0	0	5
PL.21176	PD.3010	A	#4 ACSR	7.21Y	120.1	0.02	4.86	2.72	2	19	5	97	0.00	0.0	10.187	0.151	0	0	0	5
PL.21045	PL.21176	A	6 A (CWC)	7.21Y	120.1	0.00	4.86	2.72	2	19	5	97	0.00	0.0	10.240	0.053	11	3	2	5
PL.21046	PL.21045	A	6 A (CWC)	7.21Y	120.1	0.01	4.87	1.17	1	8	2	97	0.00	0.0	10.405	0.165	4	1	2	3
PL.20973	PL.21046	A	6 A (CWC)	7.21Y	120.1	0.00	4.87	0.53	0	4	1	97	0.00	0.0	10.456	0.051	4	1	1	1
PL.21157	PL.20732	C	#4 ACSR	7.22Y	120.4	0.00	4.61	0.57	0	4	1	97	0.00	0.0	9.580	0.005	0	0	0	1
PD.2999	PL.21157	C	40T	7.22Y	120.4	0.00	4.61	0.57	0	4	1	97	0.00	0.0	9.580	0.005	0	0	0	1
PL.21158	PD.2999	C	#4 ACSR	7.22Y	120.4	0.00	4.61	0.57	0	4	1	97	0.00	0.0	9.618	0.039	4	1	1	1
PL.20630	PL.20808	B	#1/0 ACSR	7.23Y	120.4	0.00	4.58	0.24	0	2	0	100	0.00	0.0	9.521	0.005	0	0	0	2
PD.2998	PL.20630	B	40T	7.23Y	120.4	0.00	4.58	0.24	0	2	0	100	0.00	0.0	9.521	0.005	0	0	0	2
PL.21156	PD.2998	B	#1/0 ACSR	7.23Y	120.4	0.00	4.58	0.24	0	2	0	100	0.00	0.0	9.553	0.032	2	0	2	2
PL.20628	PL.20729	A	6 A (CWC)	7.23Y	120.4	0.00	4.56	2.53	2	18	5	96	0.00	0.0	9.485	0.005	0	0	0	5
PD.2997	PL.20628	A	40T	7.23Y	120.4	0.00	4.56	2.53	0	18	5	96	0.00	0.0	9.485	0.005	0	0	0	5
PL.20629	PD.2997	A	6 A (CWC)	7.23Y	120.4	0.01	4.57	2.53	2	18	5	96	0.00	0.0	9.639	0.154	9	2	1	5
PL.21025	PL.20629	A	#4 ACSR	7.23Y	120.4	0.01	4.58	1.28	1	9	2	98	0.00	0.0	9.760	0.121	1	0	1	4
PL.21026	PL.21025	A	#4 ACSR	7.22Y	120.4	0.01	4.59	1.12	1	8	2	97	0.00	0.0	9.922	0.162	2	0	1	3
PL.21024	PL.21026	A	#4 ACSR	7.22Y	120.4	0.00	4.59	0.87	1	6	2	95	0.00	0.0	10.039	0.117	0	0	0	2

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

Balanced Voltage Drop Report
Source: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.20877	PL.21024	A	#4 ACSR	7.22Y	120.4	0.00	4.59	0.87	1	6	2	95	0.00	0.0	10.140	0.102	6	2	1	2
PL.20733	PL.20877	A	#4 ACSR	7.22Y	120.4	0.00	4.59	0.03	0	0	0	100	0.00	0.0	10.323	0.183	0	0	1	1
PL.21165	PL.20915	C	6 A (CWC)	7.23Y	120.5	0.00	4.50	2.08	1	14	4	96	0.00	0.0	9.385	0.005	0	0	0	3
PD.3005	PL.21165	C	40T	7.23Y	120.5	0.00	4.50	2.08	0	14	4	96	0.00	0.0	9.385	0.005	0	0	0	3
PL.21166	PD.3005	C	6 A (CWC)	7.23Y	120.5	0.00	4.51	2.08	1	14	4	96	0.00	0.0	9.426	0.042	4	1	1	3
PL.20730	PL.21166	C	#4 ACSR	7.23Y	120.5	0.00	4.51	0.50	0	4	1	97	0.00	0.0	9.503	0.076	4	1	1	1
PL.20911	PL.21166	C	6 A (CWC)	7.23Y	120.5	0.00	4.51	1.06	1	7	2	96	0.00	0.0	9.451	0.025	0	0	0	1
PL.20731	PL.20911	C	#4 ACSR	7.23Y	120.5	0.00	4.51	1.06	1	7	2	96	0.00	0.0	9.488	0.036	7	2	1	1
PL.21233	PL.21028	C	#1/0 ACSR	7.24Y	120.7	0.00	4.27	4.39	2	31	9	96	0.00	0.0	8.989	0.005	0	0	0	6
PD.3041	PL.21233	C	40T	7.24Y	120.7	0.00	4.27	4.39	0	31	9	96	0.00	0.0	8.989	0.005	0	0	0	6
PL.21234	PD.3041	C	#1/0 ACSR	7.24Y	120.7	0.00	4.27	4.39	2	31	9	96	0.00	0.0	9.013	0.025	3	1	1	6
PL.21031	PL.21234	C	#4 ACSR	7.24Y	120.7	0.00	4.28	3.96	3	28	8	96	0.00	0.0	9.028	0.014	12	3	3	5
PL.21032	PL.21031	C	#4 ACSR	7.24Y	120.7	0.00	4.28	2.27	2	16	4	97	0.00	0.0	9.084	0.056	9	3	1	2
PL.20726	PL.21032	C	#4 ACSR	7.24Y	120.7	0.00	4.28	0.94	1	7	2	96	0.00	0.0	9.157	0.073	7	2	1	1
PL.20714	PL.21023	C	#4 ACSR	7.28Y	121.4	0.00	3.61	0.51	0	4	1	97	0.00	0.0	8.040	0.005	0	0	0	2
PD.3037	PL.20714	C	40T	7.28Y	121.4	0.00	3.61	0.51	0	4	1	97	0.00	0.0	8.040	0.005	0	0	0	2
PL.20802	PD.3037	C	#4 ACSR	7.28Y	121.4	0.00	3.61	0.51	0	4	1	97	0.00	0.0	8.087	0.047	4	1	2	2
PL.20715	PL.21023	C	6 A (CWC)	7.28Y	121.4	0.00	3.61	7.31	5	51	14	96	0.00	0.0	8.040	0.005	0	0	0	11
PD.3042	PL.20715	C	40T	7.28Y	121.4	0.00	3.61	7.31	0	51	14	96	0.00	0.0	8.040	0.005	0	0	0	11
PL.20803	PD.3042	C	6 A (CWC)	7.28Y	121.4	0.03	3.64	7.31	5	51	14	96	0.01	0.0	8.135	0.095	0	0	0	11
PL.21033	PL.20803	C	6 A (CWC)	7.28Y	121.3	0.04	3.68	7.31	5	51	14	96	0.01	0.0	8.244	0.109	4	1	1	11
PL.21034	PL.21033	C	6 A (CWC)	7.28Y	121.3	0.05	3.73	6.75	5	47	13	96	0.02	0.0	8.419	0.175	0	0	0	10
PL.21035	PL.21034	C	6 A (CWC)	7.28Y	121.3	0.01	3.74	3.59	3	25	7	96	0.00	0.0	8.473	0.054	16	4	4	5
PL.21036	PL.21035	C	6 A (CWC)	7.28Y	121.3	0.01	3.75	1.31	1	9	3	95	0.00	0.0	8.635	0.162	0	0	0	1
PL.20723	PL.21036	C	#2 ACSR	7.28Y	121.3	0.00	3.75	1.31	1	9	3	95	0.00	0.0	8.660	0.025	9	3	1	1
PL.20805	PL.21034	C	6 A (CWC)	7.28Y	121.3	0.01	3.75	2.85	2	20	6	96	0.00	0.0	8.534	0.115	0	0	0	4
PL.20717	PL.20805	C	#4 ACSR	7.28Y	121.3	0.00	3.75	1.23	1	9	2	98	0.00	0.0	8.555	0.021	7	2	1	3
PL.21167	PL.20717	C	#1/0 ACSR	7.28Y	121.3	0.00	3.75	0.02	0	0	0	100	0.00	0.0	8.559	0.005	0	0	0	1
PD.3006	PL.21167	C	25T	7.28Y	121.3	0.00	3.75	0.02	0	0	0	100	0.00	0.0	8.559	0.005	0	0	0	1
PL.21168	PD.3006	C	#1/0 ACSR	7.28Y	121.3	0.00	3.75	0.02	0	0	0	100	0.00	0.0	8.609	0.050	0	0	1	1
PL.20716	PL.20717	C	#1/0 ACSR	7.28Y	121.3	0.00	3.75	0.22	0	2	0	100	0.00	0.0	8.696	0.142	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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.20718	PL.20805	C	6 A (CWC)	7.27Y	121.2	0.01	3.76	1.62	1	11	3	96	0.00	0.0	8.706	0.172	0	0	0	1
PL.20721	PL.20718	C	#1/0 ACSR	7.27Y	121.2	0.00	3.76	1.62	1	11	3	96	0.00	0.0	8.892	0.187	11	3	1	1
PL.20722	PL.21034	C	#4 ACSR	7.28Y	121.3	0.00	3.73	0.32	0	2	1	89	0.00	0.0	8.471	0.051	2	1	1	1
PL.20713	PL.21023	A	#4 ACSR	7.28Y	121.4	0.00	3.61	0.14	0	1	0	100	0.00	0.0	8.040	0.005	0	0	0	1
PD.3036	PL.20713	A	40T	7.28Y	121.4	0.00	3.61	0.14	0	1	0	100	0.00	0.0	8.040	0.005	0	0	0	1
PL.20804	PD.3036	A	#4 ACSR	7.28Y	121.4	0.00	3.61	0.14	0	1	0	100	0.00	0.0	8.074	0.034	1	0	1	1
PL.20622	PL.20922	C	#4 ACSR	7.32Y	121.9	0.00	3.07	1.16	1	8	2	97	0.00	0.0	7.373	0.005	0	0	0	5
PD.2994	PL.20622	C	40T	7.32Y	121.9	0.00	3.07	1.16	0	8	2	97	0.00	0.0	7.373	0.005	0	0	0	5
PL.20623	PD.2994	C	#4 ACSR	7.32Y	121.9	0.00	3.07	1.16	1	8	2	97	0.00	0.0	7.433	0.060	8	2	5	5
PL.20582	PL.20585	C	#2 ACSR	7.34Y	122.4	0.00	2.61	0.48	0	3	1	95	0.00	0.0	6.854	0.005	0	0	0	3
PD.2976	PL.20582	C	40T	7.34Y	122.4	0.00	2.61	0.48	0	3	1	95	0.00	0.0	6.854	0.005	0	0	0	3
PL.20583	PD.2976	C	#2 ACSR	7.34Y	122.4	0.00	2.61	0.48	0	3	1	95	0.00	0.0	6.918	0.064	0	0	1	3
PL.20703	PL.20583	C	#2 ACSR	7.34Y	122.4	0.00	2.61	0.45	0	3	1	95	0.00	0.0	6.949	0.031	3	1	2	2
PL.20702	PL.20864	C	#1/0 ACSR	7.35Y	122.5	0.00	2.47	0.84	0	6	2	95	0.00	0.0	6.720	0.018	6	2	1	1
PL.20701	PL.20700	A	#1/0 ACSR	7.37Y	122.8	0.00	2.22	0.28	0	2	1	89	0.00	0.0	6.455	0.024	2	1	1	1
PL.20698	PL.20926	C	#2 ACSR	7.38Y	122.9	0.00	2.06	0.50	0	4	1	97	0.00	0.0	6.264	0.004	0	0	0	2
PD.3034	PL.20698	C	40T	7.38Y	122.9	0.00	2.06	0.50	0	4	1	97	0.00	0.0	6.264	0.004	0	0	0	2
PL.20927	PD.3034	C	#4 ACSR	7.38Y	122.9	0.00	2.06	0.21	0	2	0	100	0.00	0.0	6.268	0.005	0	0	0	1
PL.20928	PL.20927	C	#4 ACSR	7.38Y	122.9	0.00	2.06	0.21	0	2	0	100	0.00	0.0	6.268	0.000	0	0	0	1
PL.20699	PL.20928	C	#4 ACSR	7.38Y	122.9	0.00	2.06	0.21	0	2	0	100	0.00	0.0	6.308	0.040	2	0	1	1
PL.20794	PD.3034	C	#2 ACSR	7.38Y	122.9	0.00	2.06	0.29	0	2	1	89	0.00	0.0	6.279	0.015	2	1	1	1
PL.20963	PL.20696	ABC	6 A (CWC)	7.38Y	123.1	0.00	1.95	0.75	1	16	4	97	0.00	0.0	6.209	0.075	4	1	1	4
PL.20964	PL.20963	ABC	6 A (CWC)	7.38Y	123.1	0.00	1.95	0.57	0	12	3	97	0.00	0.0	6.265	0.055	0	0	1	3
PL.20962	PL.20964	ABC	6 A (CWC)	7.38Y	123.1	0.00	1.95	0.57	0	12	3	97	0.00	0.0	6.381	0.116	9	3	1	2
PL.21223	PL.20962	B	6 A (CWC)	7.38Y	123.0	0.00	1.95	0.45	0	3	1	95	0.00	0.0	6.386	0.004	0	0	0	1
PD.3033	PL.21223	B	40T	7.38Y	123.0	0.00	1.95	0.45	0	3	1	95	0.00	0.0	6.386	0.004	0	0	0	1
PL.21224	PD.3033	B	6 A (CWC)	7.38Y	123.0	0.00	1.95	0.45	0	3	1	95	0.00	0.0	6.459	0.073	0	0	0	1
PL.20697	PL.21224	B	6 A (CWC)	7.38Y	123.0	0.00	1.95	0.45	0	3	1	95	0.00	0.0	6.552	0.093	3	1	1	1
PL.20965	PL.20961	C	#2 ACSR	7.39Y	123.1	0.00	1.92	1.65	1	12	3	97	0.00	0.0	6.074	0.013	12	3	1	1
PL.20600	PL.20965	C	#2 ACSR	7.39Y	123.1	0.00	1.92	0.00	0	0	0	100	0.00	0.0	6.078	0.005	0	0	0	0
PD.2983	PL.20600	C	40T	7.39Y	123.1	0.00	1.92	0.00	0	0	0	100	0.00	0.0	6.078	0.005	0	0	0	0

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

Balanced Voltage Drop Report
Source: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.20601	PD.2983	C	#2 ACSR	7.39Y	123.1	0.00	1.92	0.00	0	0	0	100	0.00	0.0	6.176	0.098	0	0	0	0
PL.20532	PL.21242	A C	6 A (CWC)	7.39Y	123.2	0.02	1.78	24.63	18	350	100	96	0.06	0.0	5.697	0.021	0	0	0	136
PL.21261	PL.20532	A C	6 A (CWC)	7.39Y	123.2	0.02	1.81	24.63	18	350	100	96	0.07	0.0	5.721	0.024	0	0	0	136
PD.3057	PL.21261	A C	50L	7.39Y	123.2	0.00	1.81	24.63	49	350	99	96	0.00	0.0	5.721	0.024	0	0	0	136
PL.21262	PD.3057	A C	6 A (CWC)	7.39Y	123.1	0.08	1.88	24.63	18	350	99	96	0.20	0.1	5.793	0.072	1	0	1	136
PL.20968	PL.21262	A C	6 A (CWC)	7.38Y	123.0	0.09	1.97	24.55	18	349	99	96	0.24	0.1	5.879	0.086	1	0	2	135
PL.20959	PL.20968	A C	6 A (CWC)	7.38Y	123.0	0.07	2.04	24.47	17	348	99	96	0.19	0.1	5.948	0.069	0	0	0	133
PL.20594	PL.20959	C	6 A (CWC)	7.38Y	123.0	0.00	2.04	1.13	1	8	2	97	0.00	0.0	5.952	0.004	0	0	0	3
PD.2981	PL.20594	C	20T	7.38Y	123.0	0.00	2.04	1.13	0	8	2	97	0.00	0.0	5.952	0.004	0	0	0	3
PL.20595	PD.2981	C	6 A (CWC)	7.38Y	123.0	0.00	2.05	1.13	1	8	2	97	0.00	0.0	6.008	0.056	2	0	2	3
PL.20960	PL.20595	C	6 A (CWC)	7.38Y	123.0	0.00	2.05	0.90	1	6	2	95	0.00	0.0	6.050	0.042	0	0	0	1
PL.20534	PL.20960	C	#1/0 ACSR	7.38Y	123.0	0.00	2.05	0.90	0	6	2	95	0.00	0.0	6.206	0.156	6	2	1	1
PL.20533	PL.20959	A C	6 A (CWC)	7.37Y	122.8	0.15	2.19	23.91	17	339	96	96	0.38	0.1	6.090	0.142	0	0	0	130
PL.20535	PL.20533	A C	6 A (CWC)	7.36Y	122.7	0.08	2.26	23.26	17	330	94	96	0.19	0.1	6.167	0.077	2	1	1	127
PL.20539	PL.20535	A C	6 A (CWC)	7.36Y	122.7	0.02	2.28	22.21	16	315	89	96	0.04	0.0	6.186	0.019	0	0	0	121
PL.20859	PL.20539	A C	6 A (CWC)	7.35Y	122.5	0.19	2.47	22.21	16	315	89	96	0.47	0.1	6.390	0.204	0	0	0	121
PL.20541	PL.20859	A C	6 A (CWC)	7.35Y	122.5	0.03	2.51	22.21	16	314	89	96	0.08	0.0	6.424	0.034	2	0	1	121
PL.20542	PL.20541	A C	6 A (CWC)	7.35Y	122.5	0.03	2.53	22.10	16	313	88	96	0.06	0.0	6.452	0.028	0	0	0	120
PL.20788	PL.20542	A C	6 A (CWC)	7.34Y	122.3	0.16	2.69	22.10	16	312	88	96	0.39	0.1	6.622	0.170	0	0	0	120
PL.20544	PL.20788	A C	6 A (CWC)	7.33Y	122.2	0.07	2.76	21.76	16	307	87	96	0.16	0.1	6.693	0.071	0	0	0	118
PL.20555	PL.20544	A C	6 A (CWC)	7.33Y	122.1	0.11	2.87	21.76	16	307	87	96	0.27	0.1	6.816	0.124	0	0	0	118
PL.20554	PL.20555	A C	6 A (CWC)	7.32Y	122.1	0.06	2.93	21.76	16	307	87	96	0.14	0.0	6.881	0.065	0	0	0	118
PL.20944	PL.20554	A C	6 A (CWC)	7.32Y	122.0	0.08	3.02	20.38	15	287	81	96	0.19	0.1	6.978	0.097	0	0	2	111
PL.21219	PL.20944	A	#1/0 ACSR	7.32Y	122.0	0.00	3.02	0.00	0	0	0	100	0.00	0.0	6.982	0.004	0	0	0	1
PD.3031	PL.21219	A	20T	7.32Y	122.0	0.00	3.02	0.00	0	0	0	100	0.00	0.0	6.982	0.004	0	0	0	1
PL.21220	PD.3031	A	#1/0 ACSR	7.32Y	122.0	0.00	3.02	0.00	0	0	0	100	0.00	0.0	7.005	0.023	0	0	1	1
PL.20945	PL.20944	A C	6 A (CWC)	7.32Y	121.9	0.06	3.08	20.38	15	287	81	96	0.13	0.0	7.046	0.068	2	1	1	108
PL.21155	PL.20945	C	#2 ACSR	7.32Y	121.9	0.00	3.08	0.00	0	0	0	100	0.00	0.0	7.051	0.005	0	0	0	0
PD.2974	PL.21155	C	20T	7.32Y	121.9	0.00	3.08	0.00	0	0	0	100	0.00	0.0	7.051	0.005	0	0	0	0
PL.20579	PD.2974	C	#2 ACSR	7.32Y	121.9	0.00	3.08	0.00	0	0	0	100	0.00	0.0	7.199	0.148	0	0	0	0
PL.20551	PL.20945	A C	6 A (CWC)	7.31Y	121.8	0.13	3.21	20.21	14	285	80	96	0.29	0.1	7.197	0.151	0	0	0	107

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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.20556	PL.20551	A C	6 A (CWC)	7.30Y	121.7	0.11	3.32	20.21	14	284	80	96	0.24	0.1	7.324	0.128	2	1	1	107
PL.20552	PL.20556	C	6 A (CWC)	7.30Y	121.6	0.10	3.42	23.18	17	163	46	96	0.12	0.1	7.419	0.094	4	1	1	72
PL.20655	PL.20552	C	6 A (CWC)	7.29Y	121.5	0.12	3.53	22.52	16	158	45	96	0.14	0.1	7.536	0.118	5	1	1	70
PL.20656	PL.20655	C	6 A (CWC)	7.28Y	121.3	0.14	3.68	21.80	16	153	43	96	0.16	0.1	7.679	0.143	5	1	2	68
PL.20658	PL.20656	C	6 A (CWC)	7.27Y	121.2	0.14	3.82	21.06	15	148	42	96	0.16	0.1	7.828	0.148	0	0	0	66
PL.21179	PL.20658	C	6 A (CWC)	7.27Y	121.2	0.00	3.82	18.33	13	128	36	96	0.00	0.0	7.832	0.004	0	0	0	56
PL.21180	PL.21179	C	6 A (CWC)	7.26Y	121.1	0.12	3.94	18.33	13	128	36	96	0.12	0.1	7.979	0.147	5	1	2	56
PL.20663	PL.21180	C	6 A (CWC)	7.26Y	121.0	0.04	3.99	16.81	12	118	33	96	0.04	0.0	8.035	0.056	0	0	0	52
PL.21078	PL.20663	C	6 A (CWC)	7.26Y	121.0	0.05	4.03	16.30	12	114	32	96	0.04	0.0	8.105	0.070	14	4	3	50
PL.21079	PL.21078	C	6 A (CWC)	7.25Y	120.9	0.06	4.09	14.27	10	100	28	96	0.04	0.0	8.196	0.091	12	3	2	47
PL.21080	PL.21079	C	6 A (CWC)	7.25Y	120.9	0.05	4.14	12.50	9	87	25	96	0.03	0.0	8.284	0.089	3	1	1	45
PL.21081	PL.21080	C	6 A (CWC)	7.25Y	120.8	0.04	4.18	12.13	9	85	24	96	0.03	0.0	8.354	0.070	0	0	1	44
PL.20665	PL.21081	C	#2 ACSR	7.25Y	120.8	0.00	4.18	0.48	0	3	1	95	0.00	0.0	8.399	0.044	3	1	1	1
PL.20943	PL.21081	C	6 A (CWC)	7.24Y	120.7	0.07	4.25	11.65	8	81	23	96	0.04	0.1	8.489	0.135	0	0	0	42
PL.20942	PL.20943	C	6 A (CWC)	7.24Y	120.7	0.06	4.32	11.65	8	81	23	96	0.04	0.0	8.610	0.121	2	1	1	42
PL.21083	PL.20942	C	6 A (CWC)	7.24Y	120.6	0.05	4.37	10.76	8	75	21	96	0.03	0.0	8.721	0.110	2	1	1	37
PL.21084	PL.21083	C	6 A (CWC)	7.23Y	120.6	0.08	4.45	10.50	7	73	21	96	0.04	0.1	8.882	0.162	0	0	2	36
PL.20941	PL.21084	C	6 A (CWC)	7.23Y	120.5	0.01	4.45	5.20	4	36	10	96	0.00	0.0	8.915	0.033	0	0	0	18
PL.21249	PL.20941	C	6 A (CWC)	7.23Y	120.5	0.00	4.46	5.20	4	36	10	96	0.00	0.0	8.917	0.003	0	0	0	18
PD.3051	PL.21249	C	25H	7.23Y	120.5	0.00	4.46	5.20	21	36	10	96	0.00	0.0	8.917	0.003	0	0	0	18
PL.21250	PD.3051	C	6 A (CWC)	7.23Y	120.5	0.01	4.46	5.20	4	36	10	96	0.00	0.0	8.943	0.026	4	1	1	18
PL.20939	PL.21250	C	6 A (CWC)	7.23Y	120.5	0.03	4.49	4.56	3	32	9	96	0.01	0.0	9.074	0.131	4	1	2	17
PL.20693	PL.20939	C	#2 ACSR	7.23Y	120.5	0.00	4.49	0.00	0	0	0	100	0.00	0.0	9.149	0.075	0	0	0	0
PL.20562	PL.20693	C	#2 ACSR	7.23Y	120.5	0.00	4.49	0.00	0	0	0	100	0.00	0.0	9.287	0.138	0	0	0	0
PL.20563	PL.20562	C	#2 ACSR	7.23Y	120.5	0.00	4.49	0.00	0	0	0	100	0.00	0.0	9.450	0.163	0	0	0	0
PL.20564	PL.20563	C	#2 ACSR	7.23Y	120.5	0.00	4.49	0.00	0	0	0	100	0.00	0.0	9.552	0.103	0	0	0	0
PL.21092	PL.20564	C	#2 ACSR	7.23Y	120.5	0.00	4.49	0.00	0	0	0	100	0.00	0.0	9.608	0.055	0	0	0	0
PL.21093	PL.21092	C	#2 ACSR	7.23Y	120.5	0.00	4.49	0.00	0	0	0	100	0.00	0.0	9.650	0.042	0	0	0	0
PL.20940	PL.20939	C	6 A (CWC)	7.23Y	120.5	0.02	4.51	3.98	3	28	8	96	0.00	0.0	9.189	0.115	0	0	0	15
PL.20895	PL.20940	C	6 A (CWC)	7.23Y	120.5	0.02	4.52	3.98	3	28	8	96	0.00	0.0	9.276	0.087	0	0	0	15
PL.20565	PL.20895	C	6 A (CWC)	7.23Y	120.4	0.03	4.56	3.98	3	28	8	96	0.01	0.0	9.461	0.185	0	0	0	15

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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.21090	PL.20565	C	6 A (CWC)	7.23Y	120.4	0.02	4.57	3.98	3	28	8	96	0.00	0.0	9.544	0.083	0	0	1	15
PL.21091	PL.21090	C	6 A (CWC)	7.22Y	120.4	0.02	4.59	3.95	3	27	8	96	0.00	0.0	9.659	0.115	0	0	0	14
PL.20793	PL.21091	C	6 A (CWC)	7.22Y	120.4	0.02	4.61	2.98	2	21	6	96	0.00	0.0	9.815	0.156	0	0	0	9
PL.21104	PL.20793	C	6 A (CWC)	7.22Y	120.4	0.02	4.63	2.37	2	17	5	96	0.00	0.0	9.993	0.178	0	0	0	8
PL.21105	PL.21104	C	6 A (CWC)	7.22Y	120.4	0.01	4.64	2.37	2	17	5	96	0.00	0.0	10.044	0.051	0	0	0	8
PL.21259	PL.21105	C	6 A (CWC)	7.22Y	120.4	0.00	4.64	0.76	1	5	1	98	0.00	0.0	10.046	0.003	0	0	0	2
PD.3056	PL.21259	C	20T	7.22Y	120.4	0.00	4.64	0.76	0	5	1	98	0.00	0.0	10.046	0.003	0	0	0	2
PL.21260	PD.3056	C	6 A (CWC)	7.22Y	120.4	0.00	4.64	0.76	1	5	1	98	0.00	0.0	10.149	0.102	0	0	0	2
PL.21107	PL.21260	C	6 A (CWC)	7.22Y	120.4	0.00	4.65	0.76	1	5	1	98	0.00	0.0	10.243	0.095	0	0	1	2
PL.21108	PL.21107	C	6 A (CWC)	7.22Y	120.4	0.00	4.65	0.75	1	5	1	98	0.00	0.0	10.352	0.108	0	0	0	1
PL.20573	PL.21108	C	6 A (CWC)	7.22Y	120.3	0.00	4.65	0.75	1	5	1	98	0.00	0.0	10.496	0.144	0	0	0	1
PL.20684	PL.20573	C	#4 ACSR	7.22Y	120.3	0.01	4.66	0.75	1	5	1	98	0.00	0.0	10.682	0.186	0	0	0	1
PL.20685	PL.20684	C	6 A (CWC)	7.22Y	120.3	0.00	4.66	0.75	1	5	1	98	0.00	0.0	10.748	0.066	0	0	0	1
PL.20574	PL.20685	C	6 A (CWC)	7.22Y	120.3	0.00	4.67	0.75	1	5	1	98	0.00	0.0	10.874	0.126	0	0	0	1
PL.21102	PL.20574	C	6 A (CWC)	7.22Y	120.3	0.00	4.67	0.75	1	5	1	98	0.00	0.0	10.940	0.067	0	0	0	1
PL.21103	PL.21102	C	#4 ACSR	7.22Y	120.3	0.01	4.68	0.75	1	5	1	98	0.00	0.0	11.099	0.159	0	0	0	1
PL.21100	PL.21103	C	#4 ACSR	7.22Y	120.3	0.00	4.68	0.75	1	5	1	98	0.00	0.0	11.178	0.079	0	0	0	1
PL.21101	PL.21100	C	#4 ACSR	7.22Y	120.3	0.00	4.68	0.75	1	5	1	98	0.00	0.0	11.234	0.056	0	0	0	1
PL.21098	PL.21101	C	6 A (CWC)	7.22Y	120.3	0.00	4.68	0.75	1	5	1	98	0.00	0.0	11.327	0.093	5	1	1	1
PL.20686	PL.21101	C	6 A (CWC)	7.22Y	120.3	0.00	4.68	0.00	0	0	0	100	0.00	0.0	11.286	0.052	0	0	0	0
PL.21257	PL.21105	C	6 A (CWC)	7.22Y	120.4	0.00	4.64	1.62	1	11	3	96	0.00	0.0	10.046	0.003	0	0	0	6
PD.3055	PL.21257	C	20T	7.22Y	120.4	0.00	4.64	1.62	0	11	3	96	0.00	0.0	10.046	0.003	0	0	0	6
PL.21258	PD.3055	C	6 A (CWC)	7.22Y	120.4	0.01	4.64	1.62	1	11	3	96	0.00	0.0	10.160	0.114	8	2	1	6
PL.21106	PL.21258	C	6 A (CWC)	7.22Y	120.4	0.00	4.65	0.43	0	3	1	95	0.00	0.0	10.297	0.137	0	0	0	5
PL.20937	PL.21106	C	6 A (CWC)	7.22Y	120.4	0.00	4.65	0.43	0	3	1	95	0.00	0.0	10.381	0.084	0	0	0	5
PL.20938	PL.20937	C	6 A (CWC)	7.22Y	120.3	0.00	4.65	0.43	0	3	1	95	0.00	0.0	10.428	0.047	0	0	0	5
PL.20576	PL.20938	C	6 A (CWC)	7.22Y	120.3	0.00	4.65	0.43	0	3	1	95	0.00	0.0	10.592	0.164	0	0	0	5
PL.21195	PL.20576	C	6 A (CWC)	7.22Y	120.3	0.00	4.66	0.31	0	2	1	89	0.00	0.0	10.755	0.163	0	0	0	3
PD.3019	PL.21195	C	8T	7.22Y	120.3	0.00	4.66	0.31	0	2	1	89	0.00	0.0	10.755	0.163	0	0	0	3
PL.21196	PD.3019	C	6 A (CWC)	7.22Y	120.3	0.00	4.66	0.31	0	2	1	89	0.00	0.0	10.873	0.118	0	0	0	3
PL.20577	PL.21196	C	6 A (CWC)	7.22Y	120.3	0.00	4.66	0.31	0	2	1	89	0.00	0.0	10.986	0.112	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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.20578	PL.20577	C	6 A (CWC)	7.22Y	120.3	0.00	4.66	0.31	0	2	1	89	0.00	0.0	11.107	0.122	2	1	3	3
PL.20680	PL.20576	C	6 A (CWC)	7.22Y	120.3	0.00	4.65	0.12	0	1	0	100	0.00	0.0	10.620	0.028	1	0	2	2
PL.20682	PL.20937	C	6 A (CWC)	7.22Y	120.4	0.00	4.65	0.00	0	0	0	100	0.00	0.0	10.464	0.083	0	0	0	0
PL.21109	PL.20682	C	#4 ACSR	7.22Y	120.4	0.00	4.65	0.00	0	0	0	100	0.00	0.0	10.581	0.117	0	0	0	0
PL.21110	PL.21109	C	#4 ACSR	7.22Y	120.4	0.00	4.65	0.00	0	0	0	100	0.00	0.0	10.714	0.133	0	0	0	0
PL.21111	PL.21110	C	#4 ACSR	7.22Y	120.4	0.00	4.65	0.00	0	0	0	100	0.00	0.0	10.826	0.111	0	0	0	0
PL.20862	PL.21111	C	#4 ACSR	7.22Y	120.4	0.00	4.65	0.00	0	0	0	100	0.00	0.0	10.937	0.111	0	0	0	0
PL.20683	PL.20862	C	6 A (CWC)	7.22Y	120.4	0.00	4.65	0.00	0	0	0	100	0.00	0.0	11.121	0.184	0	0	0	0
PL.20681	PL.21106	C	6 A (CWC)	7.22Y	120.4	0.00	4.65	0.00	0	0	0	100	0.00	0.0	10.422	0.125	0	0	0	0
PL.20688	PL.20793	C	#4 ACSR	7.22Y	120.4	0.00	4.61	0.61	0	4	1	97	0.00	0.0	9.844	0.030	4	1	1	1
PL.21193	PL.21091	C	6 A (CWC)	7.22Y	120.4	0.00	4.59	0.97	1	7	2	96	0.00	0.0	9.663	0.005	0	0	0	5
PD.3018	PL.21193	C	10T	7.22Y	120.4	0.00	4.59	0.97	0	7	2	96	0.00	0.0	9.663	0.005	0	0	0	5
PL.21194	PD.3018	C	6 A (CWC)	7.22Y	120.4	0.00	4.60	0.97	1	7	2	96	0.00	0.0	9.769	0.106	0	0	0	5
PL.20896	PL.21194	C	6 A (CWC)	7.22Y	120.4	0.00	4.60	0.97	1	7	2	96	0.00	0.0	9.865	0.096	0	0	0	5
PL.20566	PL.20896	C	6 A (CWC)	7.22Y	120.4	0.01	4.61	0.97	1	7	2	96	0.00	0.0	10.012	0.147	0	0	0	5
PL.20567	PL.20566	C	6 A (CWC)	7.22Y	120.4	0.00	4.61	0.97	1	7	2	96	0.00	0.0	10.124	0.112	0	0	0	5
PL.20568	PL.20567	C	6 A (CWC)	7.22Y	120.4	0.00	4.62	0.97	1	7	2	96	0.00	0.0	10.234	0.110	0	0	0	5
PL.21075	PL.20568	C	6 A (CWC)	7.22Y	120.4	0.00	4.62	0.60	0	4	1	97	0.00	0.0	10.341	0.107	0	0	1	4
PL.21076	PL.21075	C	6 A (CWC)	7.22Y	120.4	0.01	4.63	0.60	0	4	1	97	0.00	0.0	10.529	0.188	0	0	0	3
PL.20569	PL.21076	C	6 A (CWC)	7.22Y	120.4	0.00	4.63	0.60	0	4	1	97	0.00	0.0	10.621	0.093	0	0	0	3
PL.20950	PL.20569	C	6 A (CWC)	7.22Y	120.4	0.00	4.63	0.60	0	4	1	97	0.00	0.0	10.732	0.110	0	0	1	3
PL.20951	PL.20950	C	6 A (CWC)	7.22Y	120.4	0.00	4.63	0.39	0	3	1	95	0.00	0.0	10.878	0.146	0	0	0	1
PL.20570	PL.20951	C	6 A (CWC)	7.22Y	120.4	0.00	4.64	0.39	0	3	1	95	0.00	0.0	10.972	0.094	0	0	0	1
PL.20689	PL.20570	C	#4 ACSR	7.22Y	120.4	0.00	4.64	0.39	0	3	1	95	0.00	0.0	11.079	0.106	0	0	0	1
PL.20572	PL.20689	C	#4 ACSR	7.22Y	120.4	0.00	4.64	0.39	0	3	1	95	0.00	0.0	11.174	0.095	0	0	0	1
PL.20571	PL.20572	C	#4 ACSR	7.22Y	120.4	0.00	4.64	0.39	0	3	1	95	0.00	0.0	11.253	0.079	3	1	1	1
PL.20690	PL.20950	C	#4 ACSR	7.22Y	120.4	0.00	4.63	0.21	0	1	0	100	0.00	0.0	10.777	0.046	1	0	1	1
PL.20691	PL.20568	C	6 A (CWC)	7.22Y	120.4	0.00	4.62	0.37	0	3	1	95	0.00	0.0	10.348	0.115	0	0	0	1
PL.20692	PL.20691	C	#2 ACSR	7.22Y	120.4	0.00	4.62	0.37	0	3	1	95	0.00	0.0	10.371	0.022	3	1	1	1
PL.20667	PL.21084	C	6 A (CWC)	7.23Y	120.6	0.00	4.45	2.86	2	20	6	96	0.00	0.0	8.903	0.021	0	0	0	12
PD.3050	PL.20667	C	25H	7.23Y	120.6	0.00	4.45	2.86	11	20	6	96	0.00	0.0	8.903	0.021	0	0	0	12

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

Balanced Voltage Drop Report
Source: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.21086	PD.3050	C	6 A (CWC)	7.23Y	120.5	0.01	4.46	2.86	2	20	6	96	0.00	0.0	9.000	0.096	0	0	0	12
PL.21087	PL.21086	C	6 A (CWC)	7.23Y	120.5	0.01	4.47	2.86	2	20	6	96	0.00	0.0	9.085	0.085	0	0	0	12
PL.20560	PL.21087	C	6 A (CWC)	7.23Y	120.5	0.02	4.49	2.86	2	20	6	96	0.00	0.0	9.238	0.153	0	0	1	12
PL.20668	PL.20560	C	6 A (CWC)	7.23Y	120.5	0.00	4.49	0.44	0	3	1	95	0.00	0.0	9.351	0.114	3	1	2	2
PL.20669	PL.20560	C	6 A (CWC)	7.23Y	120.5	0.01	4.50	2.41	2	17	5	96	0.00	0.0	9.311	0.073	0	0	0	9
PL.20670	PL.20669	C	#4 ACSR	7.23Y	120.5	0.00	4.50	0.43	0	3	1	95	0.00	0.0	9.372	0.061	3	1	1	1
PL.21088	PL.20669	C	6 A (CWC)	7.23Y	120.5	0.01	4.52	1.98	1	14	4	96	0.00	0.0	9.466	0.155	0	0	0	8
PL.21089	PL.21088	C	6 A (CWC)	7.23Y	120.5	0.00	4.52	1.98	1	14	4	96	0.00	0.0	9.523	0.058	2	1	1	8
PL.20671	PL.21089	C	#4 ACSR	7.23Y	120.5	0.00	4.52	0.45	0	3	1	95	0.00	0.0	9.625	0.101	0	0	0	1
PL.20561	PL.20671	C	#4 ACSR	7.23Y	120.5	0.00	4.52	0.45	0	3	1	95	0.00	0.0	9.749	0.124	3	1	1	1
PL.20931	PL.21089	C	6 A (CWC)	7.23Y	120.5	0.01	4.53	1.21	1	8	2	97	0.00	0.0	9.646	0.122	3	1	1	6
PL.20932	PL.20931	C	6 A (CWC)	7.23Y	120.5	0.00	4.53	0.72	1	5	1	98	0.00	0.0	9.785	0.139	0	0	0	3
PL.20673	PL.20932	C	6 A (CWC)	7.23Y	120.5	0.00	4.53	0.72	1	5	1	98	0.00	0.0	9.864	0.079	0	0	0	3
PL.20792	PL.20673	C	6 A (CWC)	7.23Y	120.5	0.00	4.53	0.72	1	5	1	98	0.00	0.0	9.918	0.053	1	0	2	3
PL.20675	PL.20792	C	#4 ACSR	7.23Y	120.5	0.00	4.54	0.55	0	4	1	97	0.00	0.0	10.055	0.137	4	1	1	1
PL.20672	PL.20931	C	#2 ACSR	7.23Y	120.5	0.00	4.53	0.06	0	0	0	100	0.00	0.0	9.673	0.027	0	0	2	2
PL.21191	PL.21084	C	6 A (CWC)	7.23Y	120.6	0.00	4.45	2.41	2	17	5	96	0.00	0.0	8.887	0.005	0	0	0	4
PD.3017	PL.21191	C	20T	7.23Y	120.6	0.00	4.45	2.41	0	17	5	96	0.00	0.0	8.887	0.005	0	0	0	4
PL.21192	PD.3017	C	6 A (CWC)	7.23Y	120.5	0.00	4.45	2.41	2	17	5	96	0.00	0.0	8.914	0.027	3	1	1	4
PL.21085	PL.21192	C	6 A (CWC)	7.23Y	120.5	0.01	4.46	2.02	1	14	4	96	0.00	0.0	8.973	0.059	0	0	0	3
PL.20694	PL.21085	C	6 A (CWC)	7.23Y	120.5	0.00	4.46	2.02	1	14	4	96	0.00	0.0	9.022	0.049	14	4	3	3
PL.20695	PL.20694	C	#2 ACSR	7.23Y	120.5	0.00	4.46	0.00	0	0	0	100	0.00	0.0	9.130	0.108	0	0	0	0
PL.21189	PL.20942	C	6 A (CWC)	7.24Y	120.7	0.00	4.32	0.60	0	4	1	97	0.00	0.0	8.615	0.005	0	0	0	4
PD.3016	PL.21189	C	20T	7.24Y	120.7	0.00	4.32	0.60	0	4	1	97	0.00	0.0	8.615	0.005	0	0	0	4
PL.21190	PD.3016	C	6 A (CWC)	7.24Y	120.7	0.00	4.32	0.60	0	4	1	97	0.00	0.0	8.736	0.121	2	1	1	4
PL.21082	PL.21190	C	6 A (CWC)	7.24Y	120.7	0.00	4.32	0.28	0	2	1	89	0.00	0.0	8.755	0.018	0	0	0	3
PL.20666	PL.21082	C	#4 ACSR	7.24Y	120.7	0.00	4.32	0.00	0	0	0	100	0.00	0.0	8.807	0.052	0	0	0	0
PL.20791	PL.21082	C	6 A (CWC)	7.24Y	120.7	0.00	4.32	0.28	0	2	1	89	0.00	0.0	8.829	0.074	1	0	1	3
PL.32691	PL.20791	C	#1/0 ACSR	7.24Y	120.7	0.00	4.32	0.17	0	1	0	100	0.00	0.0	8.858	0.029	1	0	1	2
PL.32692	PL.32691	C	#1/0 ACSR	7.24Y	120.7	0.00	4.32	0.01	0	0	0	100	0.00	0.0	8.904	0.046	0	0	1	1
PL.21221	PL.20663	C	#4 ACSR	7.26Y	121.0	0.00	3.99	0.51	0	4	1	97	0.00	0.0	8.039	0.004	0	0	0	2

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

Balanced Voltage Drop Report
Source: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% 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.3032	PL.21221	C	20T	7.26Y	121.0	0.00	3.99	0.51	0	4	1	97	0.00	0.0	8.039	0.004	0	0	0	2
PL.21222	PD.3032	C	#4 ACSR	7.26Y	121.0	0.00	3.99	0.51	0	4	1	97	0.00	0.0	8.204	0.165	0	0	0	2
PL.20660	PL.21222	C	#4 ACSR	7.26Y	121.0	0.00	3.99	0.51	0	4	1	97	0.00	0.0	8.361	0.157	0	0	0	2
PL.20659	PL.20660	C	#4 ACSR	7.26Y	121.0	0.00	3.99	0.00	0	0	0	100	0.00	0.0	8.428	0.066	0	0	0	0
PL.20946	PL.20660	C	#4 ACSR	7.26Y	121.0	0.00	3.99	0.51	0	4	1	97	0.00	0.0	8.425	0.064	4	1	1	2
PL.20947	PL.20946	C	#4 ACSR	7.26Y	121.0	0.00	3.99	0.00	0	0	0	100	0.00	0.0	8.495	0.070	0	0	0	1
PL.20662	PL.20947	C	#4 ACSR	7.26Y	121.0	0.00	3.99	0.00	0	0	0	100	0.00	0.0	8.604	0.109	0	0	1	1
PL.21183	PL.21180	C	6 A (CWC)	7.26Y	121.1	0.00	3.94	0.77	1	5	2	93	0.00	0.0	7.984	0.005	0	0	0	2
PD.3013	PL.21183	C	20T	7.26Y	121.1	0.00	3.94	0.77	0	5	2	93	0.00	0.0	7.984	0.005	0	0	0	2
PL.21184	PD.3013	C	6 A (CWC)	7.26Y	121.1	0.00	3.95	0.77	1	5	2	93	0.00	0.0	8.078	0.094	1	0	1	2
PL.20664	PL.21184	C	#2 ACSR	7.26Y	121.1	0.00	3.95	0.68	0	5	1	98	0.00	0.0	8.096	0.018	5	1	1	1
PL.21181	PL.20658	C	6 A (CWC)	7.27Y	121.2	0.00	3.82	2.73	2	19	5	97	0.00	0.0	7.832	0.004	0	0	0	10
PD.3012	PL.21181	C	20T	7.27Y	121.2	0.00	3.82	2.73	0	19	5	97	0.00	0.0	7.832	0.004	0	0	0	10
PL.21182	PD.3012	C	6 A (CWC)	7.27Y	121.2	0.01	3.82	2.73	2	19	5	97	0.00	0.0	7.882	0.049	3	1	2	10
PL.21077	PL.21182	C	6 A (CWC)	7.27Y	121.2	0.00	3.83	2.34	2	16	5	95	0.00	0.0	7.923	0.042	2	1	2	8
PL.21068	PL.21077	C	6 A (CWC)	7.27Y	121.2	0.00	3.83	2.02	1	14	4	96	0.00	0.0	7.968	0.045	3	1	4	6
PL.21073	PL.21068	C	6 A (CWC)	7.27Y	121.2	0.00	3.83	1.62	1	11	3	96	0.00	0.0	7.987	0.019	9	3	1	2
PL.21074	PL.21073	C	6 A (CWC)	7.27Y	121.2	0.00	3.83	0.32	0	2	1	89	0.00	0.0	8.036	0.048	2	1	1	1
PL.20657	PL.20655	C	#4 ACSR	7.29Y	121.5	0.00	3.53	0.05	0	0	0	100	0.00	0.0	7.556	0.020	0	0	1	1
PL.21235	PL.20552	C	#4 ACSR	7.30Y	121.6	0.00	3.42	0.04	0	0	0	100	0.00	0.0	7.423	0.005	0	0	0	1
PD.3043	PL.21235	C	20T	7.30Y	121.6	0.00	3.42	0.04	0	0	0	100	0.00	0.0	7.423	0.005	0	0	0	1
PL.21236	PD.3043	C	#4 ACSR	7.30Y	121.6	0.00	3.42	0.04	0	0	0	100	0.00	0.0	7.452	0.029	0	0	1	1
PL.21146	PL.20556	A	6 A (CWC)	7.30Y	121.6	0.04	3.36	16.98	12	119	34	96	0.03	0.0	7.377	0.052	8	2	1	34
PL.21147	PL.21146	A	6 A (CWC)	7.30Y	121.6	0.01	3.37	15.82	11	111	31	96	0.01	0.0	7.395	0.018	4	1	1	33
PL.21244	PL.21147	A	6 A (CWC)	7.29Y	121.6	0.07	3.44	15.31	11	108	30	96	0.06	0.1	7.504	0.110	7	2	2	32
PL.20957	PL.21244	A	6 A (CWC)	7.29Y	121.5	0.09	3.53	14.27	10	100	28	96	0.06	0.1	7.643	0.139	9	3	1	30
PL.20958	PL.20957	A	6 A (CWC)	7.29Y	121.4	0.04	3.57	12.92	9	91	25	96	0.03	0.0	7.713	0.069	0	0	0	29
PL.20948	PL.20958	A	6 A (CWC)	7.28Y	121.3	0.09	3.66	12.92	9	91	25	96	0.06	0.1	7.869	0.156	1	0	3	29
PL.20955	PL.20948	A	#4 ACSR	7.28Y	121.3	0.03	3.69	10.39	8	73	20	96	0.02	0.0	7.935	0.067	11	3	2	19
PL.20956	PL.20955	A	#4 ACSR	7.28Y	121.3	0.04	3.73	8.87	7	62	17	96	0.02	0.0	8.028	0.093	2	1	1	17
PL.20637	PL.20956	A	#4 ACSR	7.28Y	121.3	0.02	3.75	8.60	7	60	17	96	0.01	0.0	8.079	0.051	4	1	1	16

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

Balanced Voltage Drop Report
Source: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.20580	PL.20637	A	#4 ACSR	7.28Y	121.3	0.00	3.75	7.97	6	56	16	96	0.00	0.0	8.084	0.004	0	0	0	15
PD.2975	PL.20580	A	12T	7.28Y	121.3	0.00	3.75	7.97	0	56	16	96	0.00	0.0	8.084	0.004	0	0	0	15
PL.20581	PD.2975	A	#4 ACSR	7.27Y	121.2	0.01	3.76	7.97	6	56	16	96	0.00	0.0	8.109	0.025	5	2	2	15
PL.20952	PL.20581	A	#4 ACSR	7.27Y	121.2	0.02	3.77	6.66	5	47	13	96	0.01	0.0	8.165	0.056	5	1	1	11
PL.20639	PL.20952	A	#4 ACSR	7.27Y	121.2	0.00	3.77	0.77	1	5	2	93	0.00	0.0	8.233	0.068	0	0	0	1
PL.20654	PL.20639	A	#4 ACSR	7.27Y	121.2	0.00	3.78	0.77	1	5	2	93	0.00	0.0	8.315	0.081	5	2	1	1
PL.20640	PL.20952	A	#4 ACSR	7.27Y	121.2	0.02	3.80	5.21	4	36	10	96	0.01	0.0	8.270	0.105	0	0	0	9
PL.20558	PL.20640	A	#4 ACSR	7.27Y	121.2	0.02	3.82	5.21	4	36	10	96	0.01	0.0	8.374	0.104	0	0	0	9
PL.20641	PL.20558	A	#4 ACSR	7.27Y	121.2	0.00	3.82	0.40	0	3	1	95	0.00	0.0	8.469	0.095	3	1	2	2
PL.20642	PL.20558	A	#4 ACSR	7.27Y	121.2	0.02	3.84	4.81	4	34	9	97	0.01	0.0	8.487	0.113	0	0	0	7
PL.20643	PL.20642	A	#4 ACSR	7.27Y	121.1	0.01	3.86	4.81	4	34	9	97	0.00	0.0	8.554	0.067	0	0	1	7
PL.20646	PL.20643	A	#4 ACSR	7.27Y	121.1	0.00	3.86	0.89	1	6	2	95	0.00	0.0	8.647	0.093	6	2	1	1
PL.20644	PL.20643	A	#4 ACSR	7.27Y	121.1	0.00	3.86	3.87	3	27	8	96	0.00	0.0	8.565	0.011	0	0	0	5
PL.20645	PL.20644	A	#4 ACSR	7.27Y	121.1	0.00	3.86	0.81	1	6	2	95	0.00	0.0	8.676	0.110	6	2	1	1
PL.21069	PL.20644	A	#4 ACSR	7.27Y	121.1	0.00	3.86	3.06	2	21	6	96	0.00	0.0	8.589	0.024	15	4	2	4
PL.21070	PL.21069	A	#4 ACSR	7.27Y	121.1	0.01	3.87	0.87	1	6	2	95	0.00	0.0	8.755	0.166	0	0	0	2
PL.20559	PL.21070	A	#4 ACSR	7.27Y	121.1	0.01	3.88	0.87	1	6	2	95	0.00	0.0	8.930	0.176	0	0	0	2
PL.20647	PL.20559	A	#4 ACSR	7.27Y	121.1	0.01	3.88	0.87	1	6	2	95	0.00	0.0	9.109	0.179	0	0	0	2
PL.21071	PL.20647	A	#4 ACSR	7.27Y	121.1	0.00	3.89	0.87	1	6	2	95	0.00	0.0	9.249	0.140	5	2	1	2
PL.21072	PL.21071	A	#4 ACSR	7.27Y	121.1	0.00	3.89	0.09	0	1	0	100	0.00	0.0	9.399	0.150	1	0	1	1
PL.20638	PL.20581	A	#4 ACSR	7.27Y	121.2	0.00	3.76	0.52	0	4	1	97	0.00	0.0	8.176	0.067	4	1	2	2
PL.20949	PL.20948	A	6 A (CWC)	7.28Y	121.3	0.02	3.68	1.51	1	11	3	96	0.00	0.0	8.116	0.247	0	0	0	5
PL.21144	PL.20949	A	#4 ACSR	7.28Y	121.3	0.00	3.68	0.71	1	5	1	98	0.00	0.0	8.167	0.052	0	0	1	3
PL.21145	PL.21144	A	#4 ACSR	7.28Y	121.3	0.00	3.68	0.69	1	5	1	98	0.00	0.0	8.280	0.113	5	1	2	2
PL.20768	PL.20949	A	6 A (CWC)	7.28Y	121.3	0.01	3.68	0.81	1	6	2	95	0.00	0.0	8.349	0.233	4	1	1	2
PL.20648	PL.20768	A	#2 ACSR	7.28Y	121.3	0.00	3.68	0.26	0	2	1	89	0.00	0.0	8.364	0.015	2	1	1	1
PL.20649	PL.20768	A	#4 ACSR	7.28Y	121.3	0.00	3.68	0.00	0	0	0	100	0.00	0.0	8.528	0.179	0	0	0	0
PL.20652	PL.20649	A	6 A (CWC)	7.28Y	121.3	0.00	3.68	0.00	0	0	0	100	0.00	0.0	8.688	0.160	0	0	0	0
PL.20953	PL.20948	A	6 A (CWC)	7.28Y	121.3	0.00	3.66	0.44	0	3	1	95	0.00	0.0	7.964	0.095	0	0	0	1
PL.20954	PL.20953	A	6 A (CWC)	7.28Y	121.3	0.00	3.66	0.44	0	3	1	95	0.00	0.0	8.011	0.047	0	0	0	1
PL.20634	PL.20954	A	6 A (CWC)	7.28Y	121.3	0.00	3.67	0.44	0	3	1	95	0.00	0.0	8.127	0.116	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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.20635	PL.20634	A	#4 ACSR	7.28Y	121.3	0.00	3.67	0.00	0	0	0	100	0.00	0.0	8.186	0.059	0	0	0	0
PL.20790	PL.20634	A	6 A (CWC)	7.28Y	121.3	0.00	3.67	0.44	0	3	1	95	0.00	0.0	8.263	0.137	0	0	0	1
PL.20557	PL.20790	A	6 A (CWC)	7.28Y	121.3	0.00	3.67	0.44	0	3	1	95	0.00	0.0	8.326	0.062	0	0	0	1
PL.20636	PL.20557	A	#4 ACSR	7.28Y	121.3	0.00	3.67	0.44	0	3	1	95	0.00	0.0	8.474	0.148	3	1	1	1
PL.20650	PL.20557	A	6 A (CWC)	7.28Y	121.3	0.00	3.67	0.00	0	0	0	100	0.00	0.0	8.363	0.038	0	0	0	0
PL.20631	PL.20948	A	#4 ACSR	7.28Y	121.3	0.00	3.66	0.42	0	3	1	95	0.00	0.0	7.998	0.129	0	0	0	1
PL.20632	PL.20631	A	#4 ACSR	7.28Y	121.3	0.00	3.67	0.42	0	3	1	95	0.00	0.0	8.142	0.145	3	1	1	1
PL.20590	PL.20554	A	6 A (CWC)	7.32Y	122.1	0.00	2.93	2.75	2	19	5	97	0.00	0.0	6.886	0.005	0	0	0	7
PD.2979	PL.20590	A	20T	7.32Y	122.1	0.00	2.93	2.75	0	19	5	97	0.00	0.0	6.886	0.005	0	0	0	7
PL.20591	PD.2979	A	6 A (CWC)	7.32Y	122.0	0.02	2.96	2.75	2	19	5	97	0.00	0.0	7.059	0.174	0	0	0	7
PL.20546	PL.20591	A	6 A (CWC)	7.32Y	122.0	0.00	2.96	0.60	0	4	1	97	0.00	0.0	7.140	0.080	3	1	1	4
PL.20550	PL.20546	A	#2 ACSR	7.32Y	122.0	0.00	2.96	0.19	0	1	0	100	0.00	0.0	7.164	0.024	1	0	3	3
PL.20548	PL.20591	A	#4 ACSR	7.32Y	122.0	0.00	2.96	2.15	2	15	4	97	0.00	0.0	7.096	0.037	0	0	0	3
PL.20789	PL.20548	A	#4 ACSR	7.32Y	122.0	0.00	2.96	1.15	1	8	2	97	0.00	0.0	7.183	0.087	0	0	0	2
PL.20549	PL.20789	A	#4 ACSR	7.32Y	122.0	0.00	2.97	1.15	1	8	2	97	0.00	0.0	7.280	0.097	3	1	1	2
PL.20769	PL.20549	A	#4 ACSR	7.32Y	122.0	0.00	2.97	0.72	1	5	1	98	0.00	0.0	7.378	0.098	5	1	1	1
PL.20586	PL.20548	A	#1/0 ACSR	7.32Y	122.0	0.00	2.96	1.00	0	7	2	96	0.00	0.0	7.101	0.005	0	0	0	1
PD.2977	PL.20586	A	12T	7.32Y	122.0	0.00	2.96	1.00	0	7	2	96	0.00	0.0	7.101	0.005	0	0	0	1
PL.20587	PD.2977	A	#1/0 ACSR	7.32Y	122.0	0.00	2.96	1.00	0	7	2	96	0.00	0.0	7.157	0.056	7	2	1	1
PL.20588	PL.20788	C	6 A (CWC)	7.34Y	122.3	0.00	2.69	0.68	0	5	1	98	0.00	0.0	6.627	0.005	0	0	0	2
PD.2978	PL.20588	C	20T	7.34Y	122.3	0.00	2.69	0.68	0	5	1	98	0.00	0.0	6.627	0.005	0	0	0	2
PL.20589	PD.2978	C	6 A (CWC)	7.34Y	122.3	0.00	2.70	0.68	0	5	1	98	0.00	0.0	6.705	0.078	2	0	1	2
PL.20545	PL.20589	C	#4 ACSR	7.34Y	122.3	0.00	2.70	0.44	0	3	1	95	0.00	0.0	6.813	0.108	0	0	0	1
PL.20861	PL.20545	C	#4 ACSR	7.34Y	122.3	0.00	2.70	0.44	0	3	1	95	0.00	0.0	6.929	0.116	0	0	0	1
PL.20553	PL.20861	C	#4 ACSR	7.34Y	122.3	0.00	2.70	0.44	0	3	1	95	0.00	0.0	6.971	0.042	3	1	1	1
PL.20537	PL.20535	C	#2 ACSR	7.36Y	122.7	0.00	2.26	1.81	1	13	4	96	0.00	0.0	6.172	0.005	0	0	0	5
PD.3040	PL.20537	C	20T	7.36Y	122.7	0.00	2.26	1.81	0	13	4	96	0.00	0.0	6.172	0.005	0	0	0	5
PL.20933	PD.3040	C	#1/0 ACSR	7.36Y	122.7	0.00	2.26	0.34	0	2	1	89	0.00	0.0	6.176	0.004	0	0	0	1
PL.20934	PL.20933	C	#1/0 ACSR	7.36Y	122.7	0.00	2.26	0.34	0	2	1	89	0.00	0.0	6.176	0.000	0	0	0	1
PL.20536	PL.20934	C	#1/0 ACSR	7.36Y	122.7	0.00	2.26	0.34	0	2	1	89	0.00	0.0	6.210	0.034	2	1	1	1
PL.20935	PD.3040	C	6 A (CWC)	7.36Y	122.7	0.00	2.26	0.50	0	4	1	97	0.00	0.0	6.182	0.010	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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.20936	PL.20935	C	6 A (CWC)	7.36Y	122.7	0.00	2.26	0.50	0	4	1	97	0.00	0.0	6.182	0.000	0	0	0	3
PL.20538	PL.20936	C	6 A (CWC)	7.36Y	122.7	0.00	2.27	0.50	0	4	1	97	0.00	0.0	6.259	0.077	2	0	1	3
PL.20540	PL.20538	C	#4 ACSR	7.36Y	122.7	0.00	2.27	0.28	0	2	1	89	0.00	0.0	6.300	0.041	2	1	2	2
PL.20787	PD.3040	C	#2 ACSR	7.36Y	122.7	0.00	2.27	0.98	1	7	2	96	0.00	0.0	6.230	0.058	7	2	1	1
PL.20592	PL.20533	C	6 A (CWC)	7.37Y	122.8	0.00	2.19	1.29	1	9	3	95	0.00	0.0	6.095	0.004	0	0	0	3
PD.2980	PL.20592	C	20T	7.37Y	122.8	0.00	2.19	1.29	0	9	3	95	0.00	0.0	6.095	0.004	0	0	0	3
PL.20593	PD.2980	C	6 A (CWC)	7.37Y	122.8	0.00	2.19	1.29	1	9	3	95	0.00	0.0	6.142	0.047	9	3	3	3
PL.21187	PL.20925	C	6 A (CWC)	7.43Y	123.8	0.00	1.15	0.00	0	0	0	100	0.00	0.0	4.564	0.005	0	0	0	2
PD.3015	PL.21187	C	50T	7.43Y	123.8	0.00	1.15	0.00	0	0	0	100	0.00	0.0	4.564	0.005	0	0	0	2
PL.21188	PD.3015	C	6 A (CWC)	7.43Y	123.8	0.00	1.15	0.00	0	0	0	100	0.00	0.0	4.720	0.156	0	0	0	2
PL.20853	PL.21188	C	6 A (CWC)	7.43Y	123.8	0.00	1.15	0.00	0	0	0	100	0.00	0.0	4.858	0.138	0	0	0	2
PL.20854	PL.20853	C	6 A (CWC)	7.43Y	123.8	0.00	1.15	0.00	0	0	0	100	0.00	0.0	5.014	0.156	0	0	1	2
PL.20529	PL.20854	C	6 A (CWC)	7.43Y	123.8	0.00	1.15	0.00	0	0	0	100	0.00	0.0	5.217	0.203	0	0	0	1
PL.20855	PL.20529	C	6 A (CWC)	7.43Y	123.8	0.00	1.15	0.00	0	0	0	100	0.00	0.0	5.302	0.085	0	0	1	1
PL.21114	PL.20844	B	6 A (CWC)	7.38Y	122.9	0.01	2.07	1.41	1	10	3	96	0.00	0.0	3.555	0.161	2	1	1	5
PL.21251	PL.21114	B	6 A (CWC)	7.38Y	122.9	0.00	2.07	1.12	1	8	2	97	0.00	0.0	3.557	0.003	0	0	0	4
PD.3052	PL.21251	B	35L	7.38Y	122.9	0.00	2.07	1.12	3	8	2	97	0.00	0.0	3.557	0.003	0	0	0	4
PL.21252	PD.3052	B	6 A (CWC)	7.38Y	122.9	0.00	2.08	1.12	1	8	2	97	0.00	0.0	3.649	0.092	0	0	0	4
PL.19375	PL.21252	B	6 A (CWC)	7.38Y	122.9	0.01	2.08	1.12	1	8	2	97	0.00	0.0	3.752	0.103	0	0	0	4
PL.20845	PL.19375	B	6 A (CWC)	7.37Y	122.9	0.01	2.09	1.12	1	8	2	97	0.00	0.0	3.854	0.103	0	0	0	4
PL.20846	PL.20845	B	6 A (CWC)	7.37Y	122.9	0.00	2.09	1.12	1	8	2	97	0.00	0.0	3.948	0.094	0	0	0	4
PL.20783	PL.20846	B	6 A (CWC)	7.37Y	122.9	0.01	2.10	1.12	1	8	2	97	0.00	0.0	4.096	0.147	0	0	0	4
PL.20527	PL.20783	B	6 A (CWC)	7.37Y	122.9	0.00	2.10	1.12	1	8	2	97	0.00	0.0	4.172	0.076	4	1	3	4
PL.20528	PL.20527	B	6 A (CWC)	7.37Y	122.9	0.00	2.11	0.62	0	4	1	97	0.00	0.0	4.305	0.134	0	0	0	1
PL.20847	PL.20528	B	6 A (CWC)	7.37Y	122.9	0.00	2.11	0.62	0	4	1	97	0.00	0.0	4.437	0.132	0	0	0	1
PL.20848	PL.20847	B	6 A (CWC)	7.37Y	122.9	0.00	2.11	0.62	0	4	1	97	0.00	0.0	4.484	0.046	0	0	0	1
PL.20679	PL.20848	B	#4 ACSR	7.37Y	122.9	0.00	2.12	0.62	0	4	1	97	0.00	0.0	4.647	0.163	0	0	0	1
PL.21096	PL.20679	B	#4 ACSR	7.37Y	122.9	0.00	2.12	0.62	0	4	1	97	0.00	0.0	4.694	0.047	0	0	0	1
PL.21097	PL.21096	B	#4 ACSR	7.37Y	122.9	0.00	2.12	0.62	0	4	1	97	0.00	0.0	4.778	0.084	4	1	1	1
PL.20676	PL.21097	B	#4 ACSR	7.37Y	122.9	0.00	2.12	0.00	0	0	0	100	0.00	0.0	4.921	0.143	0	0	0	0
PL.20849	PL.20676	B	#4 ACSR	7.37Y	122.9	0.00	2.12	0.00	0	0	0	100	0.00	0.0	5.023	0.102	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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.20677	PL.20849	B	#4 ACSR	7.37Y	122.9	0.00	2.12	0.00	0	0	0	100	0.00	0.0	5.082	0.059	0	0	0	0
PL.21094	PL.20527	B	6 A (CWC)	7.37Y	122.9	0.00	2.10	0.00	0	0	0	100	0.00	0.0	4.260	0.088	0	0	0	0
PL.21095	PL.21094	B	6 A (CWC)	7.37Y	122.9	0.00	2.10	0.00	0	0	0	100	0.00	0.0	4.429	0.169	0	0	0	0
CP.33	PL.21263	ABC	Cap (300)	7.40Y	123.3	0.00	1.67	0.00	0	0	0	100	0.00	0.0	2.703	0.169	0	0	0	0
PL.21201	PL.20778	C	#1/0 ACSR	7.40Y	123.4	0.00	1.60	1.28	1	9	3	95	0.00	0.0	2.588	0.004	0	0	0	1
PD.3022	PL.21201	C	50T	7.40Y	123.4	0.00	1.60	1.28	0	9	3	95	0.00	0.0	2.588	0.004	0	0	0	1
PL.21202	PD.3022	C	#1/0 ACSR	7.40Y	123.4	0.00	1.60	1.28	1	9	3	95	0.00	0.0	2.676	0.088	9	3	1	1
PL.20525	PL.20835	B	6 A (CWC)	7.41Y	123.4	0.04	1.58	11.94	9	85	24	96	0.02	0.0	2.540	0.068	0	0	0	18
PL.20526	PL.20525	B	#1/0 ACSR	7.41Y	123.4	0.00	1.58	0.04	0	0	0	100	0.00	0.0	2.571	0.031	0	0	1	1
PL.21127	PL.20525	B	6 A (CWC)	7.40Y	123.4	0.03	1.60	11.90	9	85	24	96	0.02	0.0	2.593	0.054	6	2	1	17
PL.21253	PL.21127	B	6 A (CWC)	7.40Y	123.4	0.03	1.63	11.04	8	79	22	96	0.02	0.0	2.650	0.056	0	0	0	16
PD.3053	PL.21253	B	35L	7.40Y	123.4	0.00	1.63	11.04	32	79	22	96	0.00	0.0	2.650	0.056	0	0	0	16
PL.21254	PD.3053	B	6 A (CWC)	7.40Y	123.4	0.00	1.63	11.04	8	79	22	96	0.00	0.0	2.652	0.003	8	2	1	16
PL.21132	PL.21254	B	6 A (CWC)	7.40Y	123.4	0.01	1.64	4.70	3	34	9	97	0.00	0.0	2.697	0.045	0	0	1	9
PL.21133	PL.21132	B	6 A (CWC)	7.40Y	123.3	0.01	1.65	4.65	3	33	9	96	0.00	0.0	2.736	0.039	8	2	1	8
PL.21134	PL.21133	B	6 A (CWC)	7.40Y	123.3	0.02	1.67	3.54	3	25	7	96	0.00	0.0	2.883	0.147	0	0	0	7
PL.21122	PL.21134	B	6 A (CWC)	7.40Y	123.3	0.02	1.69	3.54	3	25	7	96	0.00	0.0	2.983	0.099	1	0	1	7
PL.21123	PL.21122	B	6 A (CWC)	7.40Y	123.3	0.02	1.71	3.43	2	24	7	96	0.00	0.0	3.105	0.122	0	0	0	6
PL.20837	PL.21123	B	6 A (CWC)	7.40Y	123.3	0.03	1.74	3.43	2	24	7	96	0.00	0.0	3.272	0.167	0	0	0	6
PL.20838	PL.20837	B	6 A (CWC)	7.39Y	123.2	0.02	1.75	3.43	2	24	7	96	0.00	0.0	3.391	0.119	0	0	0	6
PL.21137	PL.20838	B	6 A (CWC)	7.39Y	123.2	0.01	1.77	3.43	2	24	7	96	0.00	0.0	3.465	0.074	0	0	0	6
PL.21138	PL.21137	B	6 A (CWC)	7.39Y	123.2	0.02	1.79	3.43	2	24	7	96	0.00	0.0	3.592	0.127	0	0	0	6
PL.20839	PL.21138	B	6 A (CWC)	7.39Y	123.2	0.01	1.80	3.43	2	24	7	96	0.00	0.0	3.680	0.088	0	0	1	6
PL.19365	PL.20839	B	6 A (CWC)	7.39Y	123.2	0.03	1.83	3.43	2	24	7	96	0.01	0.0	3.855	0.175	0	0	0	5
PL.21139	PL.19365	B	6 A (CWC)	7.39Y	123.2	0.01	1.84	3.43	2	24	7	96	0.00	0.0	3.936	0.081	6	2	1	5
PL.21140	PL.21139	B	6 A (CWC)	7.39Y	123.2	0.00	1.84	2.58	2	18	5	96	0.00	0.0	3.968	0.032	0	0	1	4
PL.21141	PL.21140	B	6 A (CWC)	7.39Y	123.2	0.00	1.85	2.58	2	18	5	96	0.00	0.0	4.009	0.041	0	0	0	3
PL.19366	PL.21141	B	6 A (CWC)	7.39Y	123.1	0.02	1.86	2.58	2	18	5	96	0.00	0.0	4.149	0.140	0	0	0	3
PL.20780	PL.19366	B	6 A (CWC)	7.39Y	123.1	0.01	1.88	1.95	1	14	4	96	0.00	0.0	4.287	0.138	0	0	0	2
PL.20840	PL.20780	B	6 A (CWC)	7.39Y	123.1	0.01	1.89	1.95	1	14	4	96	0.00	0.0	4.392	0.106	0	0	0	2
PL.20841	PL.20840	B	6 A (CWC)	7.39Y	123.1	0.01	1.90	1.95	1	14	4	96	0.00	0.0	4.518	0.125	0	0	0	2

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

Balanced Voltage Drop Report
Source: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.19368	PL.20841	B	#4 ACSR	7.39Y	123.1	0.01	1.91	1.95	1	14	4	96	0.00	0.0	4.680	0.162	2	1	1	2
PL.19374	PL.19368	B	#1/0 ACSR	7.39Y	123.1	0.00	1.91	1.64	1	12	3	97	0.00	0.0	4.826	0.146	12	3	1	1
PL.19367	PL.19366	B	#2 ACSR	7.39Y	123.1	0.00	1.86	0.63	0	5	1	98	0.00	0.0	4.197	0.048	5	1	1	1
PL.19364	PL.20839	B	#2 ACSR	7.39Y	123.2	0.00	1.80	0.00	0	0	0	100	0.00	0.0	3.717	0.037	0	0	0	0
PL.21128	PL.21254	B	6 A (CWC)	7.40Y	123.3	0.02	1.65	5.15	4	37	10	97	0.01	0.0	2.754	0.102	7	2	2	6
PL.21129	PL.21128	B	6 A (CWC)	7.40Y	123.3	0.01	1.66	4.10	3	29	8	96	0.00	0.0	2.787	0.033	0	0	0	4
PL.20779	PL.21129	B	6 A (CWC)	7.40Y	123.3	0.01	1.67	3.15	2	22	6	96	0.00	0.0	2.845	0.058	10	3	1	2
PL.19370	PL.20779	B	6 A (CWC)	7.40Y	123.3	0.00	1.67	1.69	1	12	3	97	0.00	0.0	2.898	0.053	0	0	0	1
PL.19371	PL.19370	B	#1/0 ACSR	7.40Y	123.3	0.00	1.67	1.69	1	12	3	97	0.00	0.0	2.939	0.041	12	3	1	1
PL.19369	PL.21129	B	#1/0 ACSR	7.40Y	123.3	0.00	1.66	0.94	0	7	2	96	0.00	0.0	2.821	0.034	7	2	2	2
PL.20524	PL.20776	ABC	#2 ACSR	7.42Y	123.7	0.00	1.32	0.00	0	0	0	100	0.00	0.0	2.181	0.065	0	0	0	0
PL.21209	PL.20914	C	6 A (CWC)	7.44Y	124.0	0.00	0.99	4.02	3	29	8	96	0.00	0.0	1.573	0.005	0	0	0	6
PD.3026	PL.21209	C	50T	7.44Y	124.0	0.00	0.99	4.02	0	29	8	96	0.00	0.0	1.573	0.005	0	0	0	6
PL.21210	PD.3026	C	6 A (CWC)	7.44Y	124.0	0.02	1.01	4.02	3	29	8	96	0.00	0.0	1.689	0.116	0	0	0	6
PL.21124	PL.21210	C	6 A (CWC)	7.44Y	124.0	0.02	1.03	4.02	3	29	8	96	0.00	0.0	1.779	0.090	3	1	1	6
PL.21125	PL.21124	C	6 A (CWC)	7.44Y	124.0	0.00	1.03	3.66	3	26	7	97	0.00	0.0	1.837	0.059	26	7	4	5
PL.21126	PL.21125	C	6 A (CWC)	7.44Y	124.0	0.00	1.03	0.00	0	0	0	100	0.00	0.0	1.914	0.076	0	0	1	1
PL.20519	PL.19887	A	#1/0 ACSR	7.47Y	124.4	0.00	0.58	1.38	1	10	3	96	0.00	0.0	0.982	0.074	0	0	1	2
PL.21211	PL.20519	A	#1/0 ACSR	7.47Y	124.4	0.00	0.58	1.37	1	10	3	96	0.00	0.0	0.987	0.004	0	0	0	1
PD.3027	PL.21211	A	50T	7.47Y	124.4	0.00	0.58	1.37	0	10	3	96	0.00	0.0	0.987	0.004	0	0	0	1
PL.21212	PD.3027	A	#1/0 ACSR	7.47Y	124.4	0.00	0.58	1.37	1	10	3	96	0.00	0.0	1.089	0.102	0	0	0	1
PL.20830	PL.21212	A	#1/0 ACSR	7.46Y	124.4	0.00	0.58	1.37	1	10	3	96	0.00	0.0	1.202	0.113	10	3	1	1
PL.19884	PL.28004	ABC	#1/0 ACSR	7.50Y	125.0	0.00	0.01	0.00	0	0	0	100	0.00	0.0	0.019	0.005	0	0	0	0
PL.21530	Millers Creek	ABC	#3/0 ACSR	7.50Y	125.0	0.01	0.01	101.13	34	2155	732	95	0.15	0.0	0.009	0.009	0	0	0	539
PL.28001	PL.21530	ABC	#3/0 ACSR	7.50Y	125.0	0.00	0.01	101.13	34	2154	732	95	0.03	0.0	0.010	0.002	0	0	0	539
---------- Feeder No. 1 (Cobb Hill F1) Beginning with Device PD.3872 ----------																				
PD.3872	PL.28001	ABC	200VWE	7.50Y	125.0	0.00	0.01	101.13	0	2154	732	95	0.00	0.0	0.010	0.002	0	0	0	539
PL.28002	PD.3872	ABC	#3/0 ACSR	7.49Y	124.8	0.23	0.24	101.13	34	2154	732	95	2.91	0.1	0.179	0.169	0	0	0	539
PL.23478	PL.28002	ABC	#3/0 ACSR	7.48Y	124.6	0.14	0.38	101.13	34	2151	727	95	1.83	0.1	0.286	0.107	0	0	0	539

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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.23198	PL.23478	ABC	#3/0 ACSR	7.47Y	124.5	0.17	0.55	101.13	34	2150	725	95	2.17	0.1	0.412	0.126	0	0	0	539
PL.23199	PL.23198	ABC	#3/0 ACSR	7.45Y	124.2	0.21	0.76	101.13	34	2147	722	95	2.77	0.1	0.573	0.161	0	0	0	539
PL.23479	PL.23199	ABC	#3/0 ACSR	7.45Y	124.1	0.09	0.85	100.55	34	2132	714	95	1.16	0.1	0.641	0.068	2	1	1	536
PL.23480	PL.23479	ABC	#3/0 ACSR	7.43Y	123.9	0.23	1.09	100.46	33	2129	712	95	2.98	0.1	0.817	0.176	0	0	0	535
PL.23140	PL.23480	ABC	#3/0 ACSR	7.43Y	123.9	0.02	1.10	94.13	31	1990	669	95	0.18	0.0	0.829	0.012	0	0	0	495
PL.23143	PL.23140	ABC	#3/0 ACSR	7.43Y	123.8	0.13	1.23	94.13	31	1990	669	95	1.55	0.1	0.933	0.104	0	0	0	495
PL.23144	PL.23143	ABC	#3/0 ACSR	7.41Y	123.6	0.20	1.42	93.94	31	1984	665	95	2.34	0.1	1.091	0.158	0	0	0	494
PL.23211	PL.23144	ABC	#3/0 ACSR	7.41Y	123.5	0.11	1.54	93.94	31	1982	662	95	1.37	0.1	1.183	0.092	0	0	0	494
PL.23452	PL.23211	ABC	#3/0 ACSR	7.40Y	123.3	0.14	1.68	93.94	31	1981	660	95	1.67	0.1	1.296	0.112	0	0	1	494
PL.23663	PL.23452	C	#4 ACSR	7.40Y	123.3	0.00	1.68	1.43	1	10	3	96	0.00	0.0	1.300	0.004	0	0	0	1
PD.3261	PL.23663	C	50T	7.40Y	123.3	0.00	1.68	1.43	0	10	3	96	0.00	0.0	1.300	0.004	0	0	0	1
PL.23664	PD.3261	C	#4 ACSR	7.40Y	123.3	0.00	1.68	1.43	1	10	3	96	0.00	0.0	1.380	0.080	10	3	1	1
PL.23453	PL.23452	ABC	#3/0 ACSR	7.39Y	123.2	0.12	1.79	93.47	31	1969	655	95	1.39	0.1	1.391	0.095	0	0	0	492
PL.23657	PL.23453	C	6 A (CWC)	7.39Y	123.2	0.00	1.79	0.47	0	3	1	95	0.00	0.0	1.395	0.005	0	0	0	1
PD.3258	PL.23657	C	50T	7.39Y	123.2	0.00	1.79	0.47	0	3	1	95	0.00	0.0	1.395	0.005	0	0	0	1
PL.23658	PD.3258	C	6 A (CWC)	7.39Y	123.2	0.00	1.79	0.47	0	3	1	95	0.00	0.0	1.469	0.074	3	1	1	1
PL.23145	PL.23453	ABC	#3/0 ACSR	7.38Y	123.1	0.12	1.92	93.31	31	1964	652	95	1.48	0.1	1.492	0.101	0	0	0	491
PL.23485	PL.23145	ABC	#3/0 ACSR	7.38Y	123.0	0.06	1.97	70.11	23	1468	508	95	0.49	0.0	1.551	0.059	2	1	1	324
PL.23486	PL.23485	ABC	#3/0 ACSR	7.38Y	122.9	0.09	2.06	70.02	23	1465	507	95	0.77	0.1	1.644	0.093	0	0	0	323
PL.22849	PL.23486	ABC	#3/0 ACSR	7.37Y	122.9	0.05	2.11	70.02	23	1465	506	95	0.46	0.0	1.700	0.056	0	0	0	323
PL.22848	PL.22849	ABC	#3/0 ACSR	7.37Y	122.8	0.05	2.16	70.02	23	1464	505	95	0.48	0.0	1.758	0.058	0	0	0	323
PL.23450	PL.22848	ABC	#3/0 ACSR	7.36Y	122.7	0.15	2.31	70.02	23	1464	505	95	1.33	0.1	1.920	0.162	1	0	1	323
PL.23451	PL.23450	ABC	#3/0 ACSR	7.36Y	122.6	0.05	2.37	68.97	23	1440	496	95	0.47	0.0	1.979	0.059	0	0	0	316
PL.23667	PL.23451	C	#2 ACSR	7.36Y	122.6	0.00	2.37	1.94	1	14	4	96	0.00	0.0	1.984	0.005	0	0	0	2
PD.3263	PL.23667	C	50T	7.36Y	122.6	0.00	2.37	1.94	0	14	4	96	0.00	0.0	1.984	0.005	0	0	0	2
PL.23668	PD.3263	C	#2 ACSR	7.36Y	122.6	0.00	2.37	1.94	1	14	4	96	0.00	0.0	2.020	0.036	14	4	2	2
PL.23481	PL.23668	C	#2 ACSR	7.36Y	122.6	0.00	2.37	0.00	0	0	0	100	0.00	0.0	2.097	0.077	0	0	0	0
PL.23881	PL.23451	ABC	#3/0 ACSR	7.36Y	122.6	0.05	2.42	68.32	23	1426	492	95	0.41	0.0	2.031	0.052	0	0	0	314
PD.3373	PL.23881	ABC	100L	7.36Y	122.6	0.00	2.42	68.32	68	1425	491	95	0.00	0.0	2.031	0.052	0	0	0	314
PL.23882	PD.3373	ABC	#3/0 ACSR	7.35Y	122.5	0.07	2.49	68.32	23	1425	491	95	0.63	0.0	2.111	0.080	0	0	0	314
PL.23163	PL.23882	ABC	#3/0 ACSR	7.35Y	122.4	0.08	2.56	68.32	23	1425	490	95	0.65	0.0	2.195	0.083	0	0	0	313

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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.23482	PL.23163	ABC	#3/0 ACSR	7.34Y	122.4	0.07	2.63	68.21	23	1422	489	95	0.57	0.0	2.268	0.073	0	0	1	312
PL.23483	PL.23482	ABC	#3/0 ACSR	7.34Y	122.3	0.08	2.71	68.21	23	1421	488	95	0.72	0.1	2.360	0.092	6	2	2	311
PL.23484	PL.23483	ABC	#3/0 ACSR	7.33Y	122.2	0.06	2.78	67.94	23	1415	485	95	0.55	0.0	2.432	0.072	0	0	0	309
PL.23164	PL.23484	ABC	#3/0 ACSR	7.32Y	122.1	0.15	2.93	67.80	23	1411	484	95	1.29	0.1	2.599	0.167	0	0	0	306
PL.23260	PL.23164	ABC	#3/0 ACSR	7.32Y	122.0	0.08	3.01	67.80	23	1410	482	95	0.70	0.0	2.689	0.091	0	0	0	306
PL.23262	PL.23260	ABC	#3/0 ACSR	7.31Y	121.9	0.09	3.10	67.80	23	1409	481	95	0.80	0.1	2.793	0.103	0	0	0	306
PL.23261	PL.23262	ABC	#3/0 ACSR	7.31Y	121.8	0.09	3.19	67.80	23	1408	479	95	0.78	0.1	2.893	0.100	0	0	0	306
PL.23489	PL.23261	ABC	#3/0 ACSR	7.31Y	121.8	0.03	3.22	67.80	23	1408	478	95	0.29	0.0	2.930	0.037	9	2	1	306
PL.23490	PL.23489	ABC	#3/0 ACSR	7.30Y	121.6	0.14	3.36	67.39	22	1399	476	95	1.16	0.1	3.082	0.152	0	0	0	305
PL.23865	PL.23490	ABC	#3/0 ACSR	7.29Y	121.6	0.07	3.43	67.39	22	1397	474	95	0.62	0.0	3.164	0.082	0	0	0	305
PD.3365-A	PL.23865	ABC	Closed	7.29Y	121.6	0.00	3.43	67.39	0	1397	473	95	0.00	0.0	3.164	0.082	0	0	0	305
PD.3365-B	PD.3365-A	ABC	Closed	7.29Y	121.6	0.00	3.43	67.39	0	1397	473	95	0.00	0.0	3.164	0.082	0	0	0	305
PL.23866	PD.3365-B	ABC	#3/0 ACSR	7.29Y	121.5	0.07	3.50	67.39	22	1397	473	95	0.61	0.0	3.244	0.080	7	2	2	305
PL.23491	PL.23866	ABC	#3/0 ACSR	7.28Y	121.4	0.09	3.59	67.08	22	1390	470	95	0.74	0.1	3.342	0.098	8	2	1	303
PL.23675	PL.23491	C	6 A (CWC)	7.28Y	121.4	0.00	3.59	0.00	0	0	0	100	0.00	0.0	3.347	0.005	0	0	0	0
PD.3267	PL.23675	C	30T	7.28Y	121.4	0.00	3.59	0.00	0	0	0	100	0.00	0.0	3.347	0.005	0	0	0	0
PL.23676	PD.3267	C	6 A (CWC)	7.28Y	121.4	0.00	3.59	0.00	0	0	0	100	0.00	0.0	3.378	0.031	0	0	0	0
PL.22850	PL.23676	C	#1/0 ACSR	7.28Y	121.4	0.00	3.59	0.00	0	0	0	100	0.00	0.0	3.443	0.065	0	0	0	0
PL.22851	PL.23676	C	6 A (CWC)	7.28Y	121.4	0.00	3.59	0.00	0	0	0	100	0.00	0.0	3.458	0.081	0	0	0	0
PL.23435	PL.23491	ABC	#3/0 ACSR	7.28Y	121.3	0.09	3.68	66.69	22	1381	467	95	0.75	0.1	3.443	0.101	6	2	1	302
PL.23492	PL.23435	ABC	#3/0 ACSR	7.28Y	121.3	0.07	3.75	66.37	22	1373	464	95	0.60	0.0	3.524	0.081	5	1	1	300
PL.23493	PL.23492	ABC	#3/0 ACSR	7.27Y	121.1	0.15	3.89	66.13	22	1368	462	95	1.22	0.1	3.691	0.167	0	0	0	299
PL.23518	PL.23493	ABC	#3/0 ACSR	7.26Y	121.0	0.11	4.01	66.13	22	1366	460	95	0.94	0.1	3.820	0.129	15	4	3	299
PL.23519	PL.23518	ABC	#3/0 ACSR	7.25Y	120.9	0.09	4.10	65.44	22	1351	454	95	0.76	0.1	3.925	0.105	0	0	0	296
PL.23263	PL.23519	ABC	#3/0 ACSR	7.25Y	120.8	0.09	4.19	65.44	22	1350	453	95	0.78	0.1	4.033	0.108	0	0	0	296
PL.23520	PL.23263	ABC	#3/0 ACSR	7.24Y	120.7	0.06	4.25	65.44	22	1349	452	95	0.54	0.0	4.109	0.075	0	0	1	296
PL.23521	PL.23520	ABC	#3/0 ACSR	7.24Y	120.7	0.07	4.33	65.43	22	1349	451	95	0.60	0.0	4.192	0.083	0	0	0	295
PL.23697	PL.23521	C	#4 ACSR	7.24Y	120.7	0.00	4.33	0.38	0	3	1	95	0.00	0.0	4.197	0.005	0	0	0	1
PD.3278	PL.23697	C	30T	7.24Y	120.7	0.00	4.33	0.38	0	3	1	95	0.00	0.0	4.197	0.005	0	0	0	1
PL.23698	PD.3278	C	#4 ACSR	7.24Y	120.7	0.00	4.33	0.38	0	3	1	95	0.00	0.0	4.240	0.043	3	1	1	1
PL.23165	PL.23521	ABC	#3/0 ACSR	7.24Y	120.6	0.08	4.41	65.30	22	1345	450	95	0.68	0.1	4.288	0.095	0	0	0	294

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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.23264	PL.23165	ABC	#3/0 ACSR	7.23Y	120.5	0.10	4.51	65.30	22	1345	449	95	0.83	0.1	4.404	0.116	0	0	0	294
PL.23522	PL.23264	ABC	#3/0 ACSR	7.22Y	120.4	0.08	4.59	65.30	22	1344	447	95	0.71	0.1	4.503	0.099	3	1	1	294
PL.23523	PL.23522	ABC	#3/0 ACSR	7.22Y	120.3	0.10	4.70	65.18	22	1340	446	95	0.86	0.1	4.624	0.121	2	1	3	293
PL.22853	PL.23523	ABC	#3/0 ACSR	7.21Y	120.2	0.07	4.77	62.88	21	1292	431	95	0.60	0.0	4.714	0.091	0	0	0	277
PL.23267	PL.22853	ABC	#3/0 ACSR	7.21Y	120.1	0.09	4.86	62.88	21	1291	430	95	0.75	0.1	4.827	0.112	0	0	0	277
PL.23705	PL.23267	C	#4 ACSR	7.21Y	120.1	0.00	4.86	0.42	0	3	1	95	0.00	0.0	4.831	0.005	0	0	0	1
PD.3282	PL.23705	C	30T	7.21Y	120.1	0.00	4.86	0.42	0	3	1	95	0.00	0.0	4.831	0.005	0	0	0	1
PL.23706	PD.3282	C	#4 ACSR	7.21Y	120.1	0.00	4.86	0.42	0	3	1	95	0.00	0.0	4.863	0.032	3	1	1	1
PL.24517	PL.23267	ABC	#3/0 ACSR	7.21Y	120.1	0.01	4.87	62.74	21	1287	428	95	0.06	0.0	4.836	0.010	0	0	0	276
PL.24518	PL.24517	ABC	#3/0 ACSR	7.20Y	120.1	0.05	4.92	62.74	21	1287	428	95	0.40	0.0	4.896	0.060	0	0	0	276
RG.28	PL.24518	ABC	76.2 KVA	7.49Y	124.8	-4.68	0.24	62.74	63	1287	428	95	percent Boost= 3.75 Tap= 6.0							276
PL.23528	RG.28	ABC	#3/0 ACSR	7.48Y	124.7	0.08	0.32	60.38	20	1287	428	95	0.62	0.0	4.997	0.101	2	1	1	276
PL.23529	PL.23528	ABC	#3/0 ACSR	7.48Y	124.6	0.09	0.41	60.30	20	1284	426	95	0.68	0.1	5.109	0.112	0	0	0	275
PL.22857	PL.23529	ABC	6 A (CWC)	7.48Y	124.6	0.00	0.41	1.76	1	36	15	92	0.00	0.0	5.138	0.029	3	1	1	3
PL.23861	PL.22857	ABC	6 A (CWC)	7.48Y	124.6	0.00	0.41	1.60	1	33	14	92	0.00	0.0	5.142	0.005	0	0	0	2
PD.3362	PL.23861	ABC	30T	7.48Y	124.6	0.00	0.41	1.60	0	33	14	92	0.00	0.0	5.142	0.005	0	0	0	2
PL.23862	PD.3362	ABC	6 A (CWC)	7.48Y	124.6	0.00	0.42	1.60	1	33	14	92	0.00	0.0	5.211	0.069	7	2	1	2
PL.23527	PL.23862	ABC	6 A (CWC)	7.47Y	124.6	0.00	0.42	1.26	1	26	12	91	0.00	0.0	5.293	0.082	0	0	0	1
PL.22972	PL.23527	ABC	#4 ACSR	7.47Y	124.6	0.01	0.43	1.26	1	26	12	91	0.00	0.0	5.405	0.112	0	0	0	1
PL.23268	PL.22972	ABC	#4 ACSR	7.47Y	124.6	0.01	0.43	1.26	1	26	12	91	0.00	0.0	5.524	0.119	0	0	0	1
PL.23269	PL.23268	ABC	#4 ACSR	7.47Y	124.6	0.01	0.44	1.26	1	26	12	91	0.00	0.0	5.649	0.125	0	0	0	1
PL.23270	PL.23269	ABC	#4 ACSR	7.47Y	124.6	0.00	0.44	1.26	1	26	12	91	0.00	0.0	5.750	0.101	0	0	0	1
PL.23272	PL.23270	ABC	#4 ACSR	7.47Y	124.6	0.01	0.45	1.26	1	26	12	91	0.00	0.0	5.857	0.107	0	0	0	1
PL.23271	PL.23272	ABC	#4 ACSR	7.47Y	124.6	0.00	0.45	1.26	1	26	12	91	0.00	0.0	5.928	0.071	26	12	1	1
PL.22858	PL.23529	ABC	#1/0 ACSR	7.47Y	124.4	0.16	0.57	58.55	25	1247	410	95	1.31	0.1	5.253	0.144	0	0	0	272
PL.23197	PL.22858	ABC	#1/0 ACSR	7.46Y	124.3	0.13	0.70	58.55	25	1246	409	95	1.10	0.1	5.374	0.121	0	0	0	272
PL.23273	PL.23197	ABC	#1/0 ACSR	7.45Y	124.2	0.15	0.84	58.55	25	1245	407	95	1.25	0.1	5.511	0.137	0	0	0	272
PL.23526	PL.23273	ABC	#1/0 ACSR	7.44Y	124.0	0.17	1.01	58.55	25	1244	406	95	1.42	0.1	5.666	0.156	0	0	1	272
PL.23889	PL.23526	ABC	#1/0 ACSR	7.44Y	123.9	0.06	1.08	58.54	25	1242	405	95	0.53	0.0	5.724	0.058	0	0	0	271
PL.23890	PL.23889	ABC	#1/0 ACSR	7.43Y	123.8	0.11	1.19	58.54	25	1242	404	95	0.94	0.1	5.828	0.103	4	1	1	271
PL.23833	PL.23890	A	6 A (CWC)	7.43Y	123.8	0.00	1.19	0.63	0	4	1	97	0.00	0.0	5.833	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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% 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.3348	PL.23833	A	30T	7.43Y	123.8	0.00	1.19	0.63	0	4	1	97	0.00	0.0	5.833	0.005	0	0	0	1
PL.23834	PD.3348	A	6 A (CWC)	7.43Y	123.8	0.00	1.19	0.63	0	4	1	97	0.00	0.0	5.898	0.065	4	1	1	1
PL.23509	PL.23890	ABC	#1/0 ACSR	7.42Y	123.7	0.08	1.27	57.85	25	1226	399	95	0.68	0.1	5.905	0.077	9	3	5	268
PL.23510	PL.23509	ABC	#1/0 ACSR	7.42Y	123.7	0.03	1.30	57.42	25	1216	396	95	0.25	0.0	5.934	0.029	0	0	0	263
PL.22859	PL.23510	ABC	#1/0 ACSR	7.42Y	123.6	0.08	1.38	34.92	15	733	259	94	0.42	0.1	6.062	0.128	0	0	0	135
PL.23286	PL.22859	ABC	#1/0 ACSR	7.41Y	123.5	0.09	1.47	34.92	15	733	258	94	0.42	0.1	6.193	0.131	0	0	0	135
PL.23180	PL.23286	ABC	#1/0 ACSR	7.41Y	123.4	0.11	1.58	34.92	15	732	258	94	0.54	0.1	6.361	0.168	0	0	0	135
PL.23885	PL.23180	ABC	#1/0 ACSR	7.40Y	123.4	0.01	1.59	34.92	15	732	257	94	0.04	0.0	6.373	0.013	0	0	0	135
PD.3375	PL.23885	ABC	50L	7.40Y	123.4	0.00	1.59	34.92	70	732	257	94	0.00	0.0	6.373	0.013	0	0	0	135
PL.23886	PD.3375	ABC	#1/0 ACSR	7.40Y	123.4	0.02	1.61	34.92	15	732	257	94	0.12	0.0	6.410	0.036	0	0	0	135
PL.23419	PL.23886	ABC	#1/0 ACSR	7.40Y	123.4	0.01	1.62	34.15	15	716	250	94	0.06	0.0	6.427	0.018	0	0	0	133
PL.23853	PL.23419	ABC	#4 ACSR	7.40Y	123.4	0.00	1.62	2.91	2	59	27	91	0.00	0.0	6.432	0.005	0	0	0	2
PD.3358	PL.23853	ABC	20T	7.40Y	123.4	0.00	1.62	2.91	0	59	27	91	0.00	0.0	6.432	0.005	0	0	0	2
PL.23854	PD.3358	ABC	#4 ACSR	7.40Y	123.4	0.01	1.63	2.91	2	59	27	91	0.00	0.0	6.482	0.050	0	0	0	2
PL.23855	PL.23854	ABC	#4 ACSR	7.40Y	123.4	0.00	1.63	0.00	0	0	0	100	0.00	0.0	6.487	0.005	0	0	0	0
PL.23511	PL.23854	ABC	#4 ACSR	7.40Y	123.4	0.00	1.63	2.91	2	59	27	91	0.00	0.0	6.506	0.024	6	2	1	2
PL.23512	PL.23511	ABC	#4 ACSR	7.40Y	123.4	0.02	1.65	2.61	2	52	25	90	0.01	0.0	6.692	0.186	0	0	0	1
PL.23183	PL.23512	ABC	#4 ACSR	7.40Y	123.3	0.01	1.66	2.61	2	52	25	90	0.00	0.0	6.781	0.089	0	0	0	1
PL.22975	PL.23183	ABC	#4 ACSR	7.40Y	123.3	0.00	1.66	2.61	2	52	25	90	0.00	0.0	6.783	0.002	52	25	1	1
PL.22974	PL.23512	C	#4 ACSR	7.40Y	123.4	0.00	1.65	0.00	0	0	0	100	0.00	0.0	6.807	0.115	0	0	0	0
PL.23182	PL.23419	ABC	#1/0 ACSR	7.40Y	123.3	0.07	1.69	31.26	14	658	222	95	0.32	0.0	6.550	0.123	2	1	1	131
PL.22976	PL.23182	ABC	6 A (CWC)	7.40Y	123.3	0.01	1.70	9.18	7	184	88	90	0.02	0.0	6.577	0.027	0	0	0	6
PL.23290	PL.22976	ABC	6 A (CWC)	7.39Y	123.2	0.08	1.78	9.18	7	184	88	90	0.12	0.1	6.797	0.219	0	0	0	6
PL.22977	PL.23290	ABC	6 A (CWC)	7.39Y	123.2	0.00	1.78	0.16	0	4	1	97	0.00	0.0	6.854	0.057	0	0	0	1
PL.23857	PL.22977	ABC	#4 ACSR	7.39Y	123.2	0.00	1.78	0.16	0	4	1	97	0.00	0.0	6.884	0.030	0	0	0	1
PD.3360	PL.23857	ABC	20T	7.39Y	123.2	0.00	1.78	0.16	0	4	1	97	0.00	0.0	6.884	0.030	0	0	0	1
PL.23858	PD.3360	ABC	#4 ACSR	7.39Y	123.2	0.00	1.78	0.16	0	4	1	97	0.00	0.0	6.898	0.014	4	1	1	1
PL.23504	PL.23858	ABC	#4 ACSR	7.39Y	123.2	0.00	1.78	0.00	0	0	0	100	0.00	0.0	7.037	0.140	0	0	0	0
PL.23643	PL.23290	ABC	6 A (CWC)	7.39Y	123.2	0.02	1.80	9.02	6	180	87	90	0.03	0.0	6.855	0.058	0	0	0	5
PL.23644	PL.23643	ABC	6 A (CWC)	7.39Y	123.2	0.00	1.81	9.02	6	180	87	90	0.01	0.0	6.870	0.015	32	16	1	5
PL.23505	PL.23644	ABC	6 A (CWC)	7.39Y	123.2	0.02	1.83	7.40	5	148	71	90	0.03	0.0	6.945	0.075	2	0	1	4

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

Balanced Voltage Drop Report
Source: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.23506	PL.23505	ABC	6 A (CWC)	7.39Y	123.1	0.03	1.86	7.32	5	146	70	90	0.03	0.0	7.042	0.097	0	0	0	3
PL.23291	PL.23506	ABC	6 A (CWC)	7.39Y	123.1	0.03	1.89	7.32	5	146	70	90	0.04	0.0	7.162	0.120	0	0	0	3
PL.23507	PL.23291	ABC	6 A (CWC)	7.39Y	123.1	0.01	1.90	7.32	5	146	70	90	0.02	0.0	7.208	0.047	0	0	0	3
PL.23508	PL.23507	ABC	6 A (CWC)	7.38Y	123.1	0.02	1.92	7.32	5	146	70	90	0.02	0.0	7.275	0.067	0	0	0	3
PL.22978	PL.23508	ABC	6 A (CWC)	7.38Y	123.1	0.01	1.94	7.32	5	146	70	90	0.02	0.0	7.320	0.045	0	0	0	3
PL.23184	PL.22978	ABC	6 A (CWC)	7.38Y	123.0	0.03	1.96	4.24	3	85	41	90	0.02	0.0	7.481	0.160	0	0	0	2
PL.23294	PL.23184	ABC	6 A (CWC)	7.38Y	123.0	0.02	1.99	4.24	3	85	41	90	0.02	0.0	7.615	0.135	0	0	0	2
PL.23306	PL.23294	ABC	6 A (CWC)	7.38Y	123.0	0.01	2.00	4.24	3	85	41	90	0.01	0.0	7.676	0.061	0	0	0	2
PL.23295	PL.23306	ABC	6 A (CWC)	7.38Y	123.0	0.02	2.01	4.24	3	85	41	90	0.01	0.0	7.769	0.092	0	0	0	2
PL.25728	PL.23295	ABC	6 A (CWC)	7.38Y	123.0	0.00	2.01	4.24	3	85	41	90	0.00	0.0	7.797	0.028	83	40	1	2
PL.25729	PL.25728	ABC	6 A (CWC)	7.38Y	123.0	0.00	2.01	0.09	0	2	1	89	0.00	0.0	7.902	0.105	2	1	1	1
PL.22979	PL.22978	ABC	#4 ACSR	7.38Y	123.1	0.01	1.94	3.08	2	61	30	90	0.00	0.0	7.385	0.064	0	0	0	1
PL.22980	PL.22979	ABC	#1/0 ACSR	7.38Y	123.1	0.01	1.95	3.08	1	61	30	90	0.00	0.0	7.482	0.098	0	0	0	1
PL.23292	PL.22980	ABC	#1/0 ACSR	7.38Y	123.0	0.01	1.96	3.08	1	61	30	90	0.00	0.0	7.609	0.127	0	0	0	1
PL.23293	PL.23292	ABC	#1/0 ACSR	7.38Y	123.0	0.00	1.96	3.08	1	61	30	90	0.00	0.0	7.656	0.047	0	0	0	1
PL.22981	PL.23293	ABC	#1/0 ACSR	7.38Y	123.0	0.00	1.96	3.08	1	61	30	90	0.00	0.0	7.816	0.160	61	30	1	1
PL.23415	PL.23182	ABC	#1/0 ACSR	7.40Y	123.3	0.04	1.73	22.06	10	471	134	96	0.13	0.0	6.653	0.103	1	0	1	124
PL.23687	PL.23415	A	#4 ACSR	7.40Y	123.3	0.00	1.73	0.77	1	5	2	93	0.00	0.0	6.658	0.005	0	0	0	1
PD.3273	PL.23687	A	20T	7.40Y	123.3	0.00	1.73	0.77	0	5	2	93	0.00	0.0	6.658	0.005	0	0	0	1
PL.23688	PD.3273	A	#4 ACSR	7.40Y	123.3	0.00	1.73	0.77	1	5	2	93	0.00	0.0	6.682	0.025	5	2	1	1
PL.23416	PL.23415	ABC	#1/0 ACSR	7.39Y	123.2	0.03	1.76	21.78	9	465	132	96	0.09	0.0	6.727	0.074	2	1	1	122
PL.23413	PL.23416	ABC	#1/0 ACSR	7.39Y	123.2	0.02	1.79	21.29	9	454	129	96	0.08	0.0	6.792	0.065	13	4	3	120
PL.23414	PL.23413	ABC	#1/0 ACSR	7.39Y	123.2	0.04	1.83	20.36	9	434	123	96	0.12	0.0	6.898	0.106	6	2	3	115
PL.23695	PL.23414	A	#1/0 ACSR	7.39Y	123.2	0.00	1.83	0.17	0	1	0	100	0.00	0.0	6.903	0.005	0	0	0	1
PD.3277	PL.23695	A	20T	7.39Y	123.2	0.00	1.83	0.17	0	1	0	100	0.00	0.0	6.903	0.005	0	0	0	1
PL.23696	PD.3277	A	#1/0 ACSR	7.39Y	123.2	0.00	1.83	0.17	0	1	0	100	0.00	0.0	6.967	0.064	1	0	1	1
PL.23513	PL.23414	ABC	#1/0 ACSR	7.39Y	123.2	0.02	1.85	20.02	9	427	121	96	0.07	0.0	6.963	0.065	0	0	1	111
PL.23514	PL.23513	ABC	#1/0 ACSR	7.39Y	123.1	0.02	1.87	20.01	9	427	121	96	0.05	0.0	7.009	0.046	3	1	1	110
PL.23515	PL.23514	ABC	#1/0 ACSR	7.39Y	123.1	0.02	1.89	19.89	9	424	120	96	0.07	0.0	7.079	0.069	0	0	0	109
PL.23869	PL.23515	B	#4 ACSR	7.39Y	123.1	0.02	1.91	11.72	9	83	23	96	0.01	0.0	7.112	0.033	0	0	0	25
PD.3367	PL.23869	B	35L	7.39Y	123.1	0.00	1.91	11.72	33	83	23	96	0.00	0.0	7.112	0.033	0	0	0	25

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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.23870	PD.3367	B	#4 ACSR	7.38Y	123.0	0.09	2.00	11.72	9	83	23	96	0.06	0.1	7.281	0.169	0	0	0	25
PL.22982	PL.23870	B	#4 ACSR	7.38Y	123.0	0.02	2.02	11.72	9	83	23	96	0.01	0.0	7.322	0.041	0	0	0	25
PL.23185	PL.22982	B	#4 ACSR	7.38Y	122.9	0.04	2.06	11.41	9	81	23	96	0.02	0.0	7.395	0.073	0	0	0	24
PL.22984	PL.23185	B	#4 ACSR	7.38Y	122.9	0.00	2.06	0.00	0	0	0	100	0.00	0.0	7.412	0.017	0	0	0	0
PL.23532	PL.23185	B	#4 ACSR	7.37Y	122.9	0.04	2.10	11.41	9	81	23	96	0.02	0.0	7.473	0.078	0	0	1	24
PL.23533	PL.23532	B	#4 ACSR	7.37Y	122.8	0.09	2.19	11.40	9	81	23	96	0.05	0.1	7.655	0.182	4	1	1	23
PL.23410	PL.23533	B	#4 ACSR	7.36Y	122.7	0.07	2.25	9.50	7	67	19	96	0.03	0.1	7.816	0.161	0	0	0	20
PL.23530	PL.23410	B	#4 ACSR	7.36Y	122.7	0.02	2.28	9.50	7	67	19	96	0.01	0.0	7.875	0.059	7	2	2	19
PL.23531	PL.23530	B	#4 ACSR	7.36Y	122.7	0.05	2.32	8.46	7	60	17	96	0.02	0.0	7.999	0.124	0	0	0	17
PL.22986	PL.23531	B	#4 ACSR	7.36Y	122.6	0.03	2.35	8.46	7	60	17	96	0.01	0.0	8.077	0.078	0	0	0	17
PL.23186	PL.22986	B	#4 ACSR	7.36Y	122.6	0.05	2.40	8.19	6	58	16	96	0.02	0.0	8.213	0.136	0	0	0	16
PL.21838	PL.23186	B	#4 ACSR	7.35Y	122.6	0.04	2.44	8.19	6	58	16	96	0.02	0.0	8.318	0.105	0	0	0	16
PL.21837	PL.21838	B	#4 ACSR	7.35Y	122.5	0.05	2.49	8.19	6	58	16	96	0.02	0.0	8.458	0.140	0	0	1	16
PL.22988	PL.21837	B	#1/0 ACSR	7.35Y	122.5	0.00	2.49	0.38	0	3	1	95	0.00	0.0	8.485	0.027	3	1	1	1
PL.22989	PL.21837	B	#4 ACSR	7.35Y	122.5	0.03	2.52	7.81	6	55	16	96	0.01	0.0	8.545	0.088	0	0	0	14
PL.21839	PL.22989	B	#4 ACSR	7.34Y	122.4	0.06	2.59	7.81	6	55	16	96	0.03	0.0	8.730	0.184	0	0	0	14
PL.23187	PL.21839	B	#4 ACSR	7.34Y	122.4	0.05	2.64	7.78	6	55	15	96	0.02	0.0	8.873	0.144	0	0	0	13
PL.21825	PL.23187	B	#4 ACSR	7.34Y	122.3	0.02	2.66	5.62	4	40	11	96	0.01	0.0	8.973	0.099	0	0	0	11
PL.21841	PL.21825	B	#4 ACSR	7.34Y	122.3	0.05	2.71	5.62	4	40	11	96	0.01	0.0	9.159	0.186	0	0	0	11
PL.21842	PL.21841	B	#4 ACSR	7.34Y	122.3	0.02	2.73	5.62	4	40	11	96	0.01	0.0	9.257	0.098	0	0	0	11
PL.23307	PL.21842	B	#4 ACSR	7.33Y	122.2	0.02	2.76	5.62	4	40	11	96	0.01	0.0	9.356	0.099	1	0	1	11
PL.21827	PL.23307	B	#4 ACSR	7.33Y	122.2	0.03	2.79	5.53	4	39	11	96	0.01	0.0	9.477	0.122	0	0	0	10
PL.21843	PL.21827	B	#4 ACSR	7.33Y	122.2	0.03	2.82	5.53	4	39	11	96	0.01	0.0	9.586	0.109	0	0	0	10
PL.23679	PL.21843	B	#4 ACSR	7.33Y	122.2	0.00	2.82	5.53	4	39	11	96	0.00	0.0	9.591	0.005	0	0	0	10
PD.3269	PL.23679	B	15T	7.33Y	122.2	0.00	2.82	5.53	0	39	11	96	0.00	0.0	9.591	0.005	0	0	0	10
PL.23680	PD.3269	B	#4 ACSR	7.33Y	122.2	0.03	2.85	5.53	4	39	11	96	0.01	0.0	9.710	0.119	0	0	0	10
PL.21844	PL.23680	B	#4 ACSR	7.33Y	122.1	0.04	2.89	5.53	4	39	11	96	0.01	0.0	9.870	0.160	0	0	0	10
PL.21845	PL.21844	B	#4 ACSR	7.32Y	122.1	0.04	2.92	5.53	4	39	11	96	0.01	0.0	10.024	0.154	0	0	0	10
PL.23496	PL.21845	B	#4 ACSR	7.32Y	122.0	0.04	2.96	5.53	4	39	11	96	0.01	0.0	10.194	0.170	8	2	2	10
PL.23497	PL.23496	B	#4 ACSR	7.32Y	122.0	0.03	2.99	4.44	3	31	9	96	0.01	0.0	10.363	0.169	0	0	0	8
PL.21828	PL.23497	B	#1/0 ACSR	7.32Y	122.0	0.00	3.00	1.14	0	8	2	97	0.00	0.0	10.390	0.026	8	2	1	1

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

Balanced Voltage Drop Report
Source: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.23188	PL.23497	B	#4 ACSR	7.32Y	122.0	0.02	3.02	3.31	3	23	7	96	0.00	0.0	10.533	0.169	0	0	1	7
PL.23494	PL.23188	B	#4 ACSR	7.32Y	122.0	0.00	3.02	3.31	3	23	7	96	0.00	0.0	10.572	0.040	8	2	3	6
PL.23495	PL.23494	B	#4 ACSR	7.32Y	122.0	0.00	3.03	2.22	2	16	4	97	0.00	0.0	10.593	0.021	0	0	0	3
PL.21829	PL.23495	B	#4 ACSR	7.32Y	122.0	0.00	3.03	0.00	0	0	0	100	0.00	0.0	10.710	0.118	0	0	0	0
PL.23189	PL.23495	B	#4 ACSR	7.32Y	122.0	0.01	3.04	2.22	2	16	4	97	0.00	0.0	10.761	0.168	4	1	1	3
PL.21830	PL.23189	B	#4 ACSR	7.32Y	122.0	0.00	3.05	1.73	1	12	3	97	0.00	0.0	10.891	0.129	12	3	2	2
PL.21826	PL.23187	B	#1/0 ACSR	7.34Y	122.4	0.01	2.64	2.17	1	15	4	97	0.00	0.0	8.981	0.107	0	0	0	2
PL.21840	PL.21826	B	#1/0 ACSR	7.34Y	122.4	0.01	2.65	2.17	1	15	4	97	0.00	0.0	9.082	0.101	0	0	0	2
PL.23681	PL.21840	B	1/0 AL URD	7.34Y	122.4	0.00	2.65	2.17	1	15	4	97	0.00	0.0	9.086	0.005	0	0	0	2
PD.3270	PL.23681	B	15T	7.34Y	122.4	0.00	2.65	2.17	0	15	4	97	0.00	0.0	9.086	0.005	0	0	0	2
PL.23682	PD.3270	B	1/0 AL URD	7.34Y	122.3	0.00	2.65	2.17	1	15	4	97	0.00	0.0	9.219	0.133	15	4	2	2
PL.21824	PL.23187	B	#4 ACSR	7.34Y	122.4	0.00	2.64	0.00	0	0	0	100	0.00	0.0	8.931	0.057	0	0	0	0
PL.22990	PL.21839	B	#4 ACSR	7.34Y	122.4	0.00	2.59	0.02	0	0	0	100	0.00	0.0	8.788	0.058	0	0	1	1
PL.22987	PL.22986	B	#4 ACSR	7.36Y	122.6	0.00	2.36	0.27	0	2	1	89	0.00	0.0	8.215	0.137	2	1	1	1
PL.23711	PL.23410	B	#1/0 ACSR	7.36Y	122.7	0.00	2.25	0.00	0	0	0	100	0.00	0.0	7.820	0.004	0	0	0	1
PD.3285	PL.23711	B	15T	7.36Y	122.7	0.00	2.25	0.00	0	0	0	100	0.00	0.0	7.820	0.004	0	0	0	1
PL.23712	PD.3285	B	#1/0 ACSR	7.36Y	122.7	0.00	2.25	0.00	0	0	0	100	0.00	0.0	7.954	0.134	0	0	0	1
PL.23296	PL.23712	B	#1/0 ACSR	7.36Y	122.7	0.00	2.25	0.00	0	0	0	100	0.00	0.0	8.128	0.174	0	0	0	1
PL.23297	PL.23296	B	#1/0 ACSR	7.36Y	122.7	0.00	2.25	0.00	0	0	0	100	0.00	0.0	8.245	0.117	0	0	1	1
PL.22985	PL.23533	B	#4 ACSR	7.37Y	122.8	0.00	2.19	1.34	1	9	3	95	0.00	0.0	7.692	0.037	9	3	2	2
PL.22983	PL.22982	B	#4 ACSR	7.38Y	123.0	0.00	2.02	0.31	0	2	1	89	0.00	0.0	7.410	0.088	2	1	1	1
PL.23516	PL.23515	ABC	#1/0 ACSR	7.38Y	123.1	0.04	1.93	15.98	7	341	97	96	0.10	0.0	7.225	0.146	1	0	2	84
PL.23517	PL.23516	ABC	#1/0 ACSR	7.38Y	123.0	0.03	1.97	15.93	7	339	96	96	0.08	0.0	7.336	0.111	0	0	0	82
PL.21835	PL.23517	ABC	#1/0 ACSR	7.38Y	123.0	0.03	1.99	15.93	7	339	96	96	0.07	0.0	7.436	0.100	0	0	0	82
PL.21846	PL.21835	ABC	#1/0 ACSR	7.38Y	123.0	0.03	2.03	15.93	7	339	96	96	0.08	0.0	7.550	0.114	0	0	0	82
PL.23407	PL.21846	ABC	#1/0 ACSR	7.38Y	122.9	0.04	2.07	15.93	7	339	96	96	0.09	0.0	7.691	0.141	10	3	1	82
PL.23713	PL.23407	A	#1/0 ACSR	7.38Y	122.9	0.00	2.07	0.87	0	6	2	95	0.00	0.0	7.696	0.005	0	0	0	1
PD.3286	PL.23713	A	20T	7.38Y	122.9	0.00	2.07	0.87	0	6	2	95	0.00	0.0	7.696	0.005	0	0	0	1
PL.23714	PD.3286	A	#1/0 ACSR	7.38Y	122.9	0.00	2.07	0.87	0	6	2	95	0.00	0.0	7.884	0.188	6	2	1	1
PL.23408	PL.23407	ABC	#1/0 ACSR	7.37Y	122.9	0.03	2.10	15.19	7	323	92	96	0.06	0.0	7.793	0.102	0	0	0	80
PL.23717	PL.23408	C	#4 ACSR	7.37Y	122.9	0.00	2.10	3.40	3	24	7	96	0.00	0.0	7.797	0.005	0	0	0	5

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

Balanced Voltage Drop Report
Source: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% 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.3288	PL.23717	C	20T	7.37Y	122.9	0.00	2.10	3.40	0	24	7	96	0.00	0.0	7.797	0.005	0	0	0	5
PL.23718	PD.3288	C	#4 ACSR	7.37Y	122.9	0.00	2.10	3.40	3	24	7	96	0.00	0.0	7.847	0.050	24	7	5	5
PL.23534	PL.23408	ABC	#1/0 ACSR	7.37Y	122.9	0.02	2.11	14.05	6	299	85	96	0.04	0.0	7.870	0.077	14	4	3	75
PL.23535	PL.23534	ABC	#1/0 ACSR	7.37Y	122.9	0.02	2.14	13.42	6	286	81	96	0.05	0.0	7.971	0.101	0	0	0	72
PL.23715	PL.23535	A	#4 ACSR	7.37Y	122.9	0.00	2.14	0.16	0	1	0	100	0.00	0.0	7.976	0.005	0	0	0	1
PD.3287	PL.23715	A	20T	7.37Y	122.9	0.00	2.14	0.16	0	1	0	100	0.00	0.0	7.976	0.005	0	0	0	1
PL.23716	PD.3287	A	#4 ACSR	7.37Y	122.9	0.00	2.14	0.16	0	1	0	100	0.00	0.0	8.049	0.073	1	0	1	1
PL.21836	PL.23716	A	#1/0 ACSR	7.37Y	122.9	0.00	2.14	0.00	0	0	0	100	0.00	0.0	8.075	0.027	0	0	0	0
PL.23887	PL.23535	ABC	#1/0 ACSR	7.37Y	122.8	0.02	2.16	13.37	6	284	81	96	0.05	0.0	8.067	0.096	0	0	0	71
PD.3376	PL.23887	ABC	35L	7.37Y	122.8	0.00	2.16	13.37	38	284	81	96	0.00	0.0	8.067	0.096	0	0	0	71
PL.23888	PD.3376	ABC	#1/0 ACSR	7.37Y	122.8	0.02	2.19	13.37	6	284	81	96	0.05	0.0	8.163	0.096	0	0	0	71
PL.21847	PL.23888	ABC	#1/0 ACSR	7.37Y	122.8	0.03	2.22	13.37	6	284	81	96	0.06	0.0	8.289	0.127	0	0	0	71
PL.21848	PL.21847	ABC	#1/0 ACSR	7.36Y	122.7	0.04	2.25	13.37	6	284	80	96	0.07	0.0	8.440	0.150	0	0	0	71
PL.21849	PL.21848	ABC	#1/0 ACSR	7.36Y	122.7	0.03	2.29	13.37	6	284	80	96	0.06	0.0	8.576	0.136	0	0	0	71
PL.23457	PL.21849	ABC	#1/0 ACSR	7.36Y	122.7	0.03	2.31	13.37	6	284	80	96	0.06	0.0	8.693	0.117	0	0	1	71
PL.23458	PL.23457	ABC	#1/0 ACSR	7.36Y	122.7	0.01	2.32	13.36	6	284	80	96	0.02	0.0	8.738	0.046	0	0	0	70
PL.23595	PL.23458	ABC	#1/0 ACSR	7.36Y	122.7	0.01	2.34	10.95	5	233	66	96	0.02	0.0	8.801	0.062	5	1	1	68
PL.23596	PL.23595	ABC	#1/0 ACSR	7.36Y	122.7	0.01	2.34	10.71	5	228	64	96	0.01	0.0	8.831	0.030	0	0	0	67
PL.23777	PL.23596	C	6 A (CWC)	7.36Y	122.7	0.00	2.34	1.81	1	13	4	96	0.00	0.0	8.835	0.004	0	0	0	1
PD.3319	PL.23777	C	15T	7.36Y	122.7	0.00	2.34	1.81	0	13	4	96	0.00	0.0	8.835	0.004	0	0	0	1
PL.23778	PD.3319	C	6 A (CWC)	7.36Y	122.7	0.00	2.34	1.81	1	13	4	96	0.00	0.0	8.861	0.026	13	4	1	1
PL.23405	PL.23596	ABC	#1/0 ACSR	7.36Y	122.6	0.01	2.35	10.11	4	215	61	96	0.01	0.0	8.875	0.044	3	1	1	66
PL.23773	PL.23405	C	6 A (CWC)	7.36Y	122.6	0.00	2.35	0.90	1	6	2	95	0.00	0.0	8.879	0.005	0	0	0	1
PD.3317	PL.23773	C	15T	7.36Y	122.6	0.00	2.35	0.90	0	6	2	95	0.00	0.0	8.879	0.005	0	0	0	1
PL.23774	PD.3317	C	6 A (CWC)	7.36Y	122.6	0.00	2.35	0.90	1	6	2	95	0.00	0.0	8.915	0.035	6	2	1	1
PL.23406	PL.23405	ABC	#1/0 ACSR	7.36Y	122.6	0.02	2.37	9.66	4	205	58	96	0.03	0.0	8.978	0.104	2	1	1	64
PL.23779	PL.23406	C	#1/0 ACSR	7.36Y	122.6	0.00	2.37	1.27	1	9	3	95	0.00	0.0	8.983	0.005	0	0	0	1
PD.3320	PL.23779	C	15T	7.36Y	122.6	0.00	2.37	1.27	0	9	3	95	0.00	0.0	8.983	0.005	0	0	0	1
PL.23780	PD.3320	C	#1/0 ACSR	7.36Y	122.6	0.00	2.37	1.27	1	9	3	95	0.00	0.0	9.003	0.020	9	3	1	1
PL.23597	PL.23406	ABC	#1/0 ACSR	7.36Y	122.6	0.01	2.38	9.15	4	194	55	96	0.01	0.0	9.034	0.056	4	1	2	62
PL.23598	PL.23597	ABC	#1/0 ACSR	7.36Y	122.6	0.01	2.39	8.98	4	191	54	96	0.01	0.0	9.078	0.043	0	0	0	60

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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.23402	PL.23598	ABC	#1/0 ACSR	7.36Y	122.6	0.01	2.40	8.98	4	191	54	96	0.01	0.0	9.148	0.071	3	1	1	60
PL.23599	PL.23402	ABC	#1/0 ACSR	7.35Y	122.6	0.02	2.42	8.25	4	175	50	96	0.03	0.0	9.295	0.147	8	2	2	52
PL.23600	PL.23599	ABC	#1/0 ACSR	7.35Y	122.6	0.02	2.43	7.88	3	167	47	96	0.02	0.0	9.403	0.108	3	1	2	50
PL.23607	PL.23600	ABC	#1/0 ACSR	7.35Y	122.6	0.01	2.44	7.19	3	153	43	96	0.01	0.0	9.454	0.051	0	0	0	45
PL.23608	PL.23607	ABC	#1/0 ACSR	7.35Y	122.6	0.01	2.45	7.19	3	153	43	96	0.01	0.0	9.505	0.051	3	1	1	45
PL.23403	PL.23608	ABC	#1/0 ACSR	7.35Y	122.5	0.01	2.45	6.43	3	136	39	96	0.01	0.0	9.575	0.071	0	0	0	41
PL.23611	PL.23403	ABC	#1/0 ACSR	7.35Y	122.5	0.01	2.46	5.48	2	116	33	96	0.01	0.0	9.639	0.063	0	0	0	33
PL.23612	PL.23611	ABC	#1/0 ACSR	7.35Y	122.5	0.01	2.47	5.48	2	116	33	96	0.01	0.0	9.743	0.104	0	0	0	33
PL.23799	PL.23612	C	6 A (CWC)	7.35Y	122.5	0.00	2.47	3.40	2	24	7	96	0.00	0.0	9.748	0.005	0	0	0	5
PD.3330	PL.23799	C	15T	7.35Y	122.5	0.00	2.47	3.40	0	24	7	96	0.00	0.0	9.748	0.005	0	0	0	5
PL.23800	PD.3330	C	6 A (CWC)	7.35Y	122.5	0.02	2.49	3.40	2	24	7	96	0.00	0.0	9.871	0.124	0	0	0	5
PL.23100	PL.23800	C	6 A (CWC)	7.35Y	122.5	0.02	2.51	3.40	2	24	7	96	0.00	0.0	10.028	0.157	6	2	1	5
PL.23101	PL.23100	C	6 A (CWC)	7.35Y	122.5	0.01	2.52	2.49	2	18	5	96	0.00	0.0	10.141	0.113	9	2	2	4
PL.23102	PL.23101	C	6 A (CWC)	7.35Y	122.5	0.01	2.53	1.27	1	9	3	95	0.00	0.0	10.286	0.144	0	0	0	2
PL.23105	PL.23102	C	6 A (CWC)	7.35Y	122.5	0.00	2.53	0.26	0	2	1	89	0.00	0.0	10.441	0.155	2	1	1	1
PL.23111	PL.23105	C	#4 ACSR	7.35Y	122.5	0.00	2.53	0.00	0	0	0	100	0.00	0.0	10.598	0.157	0	0	0	0
PL.23104	PL.23102	C	6 A (CWC)	7.35Y	122.5	0.00	2.53	1.01	1	7	2	96	0.00	0.0	10.340	0.055	0	0	0	1
PL.23106	PL.23104	C	#4 ACSR	7.35Y	122.5	0.00	2.53	1.01	1	7	2	96	0.00	0.0	10.387	0.046	0	0	0	1
PL.23107	PL.23106	C	#4 ACSR	7.35Y	122.5	0.00	2.54	1.01	1	7	2	96	0.00	0.0	10.444	0.057	7	2	1	1
PL.23404	PL.23612	ABC	#1/0 ACSR	7.35Y	122.5	0.00	2.48	4.35	2	92	26	96	0.00	0.0	9.802	0.059	0	0	0	28
PL.23093	PL.23404	ABC	#1/0 ACSR	7.35Y	122.5	0.00	2.48	4.35	2	92	26	96	0.00	0.0	9.842	0.040	0	0	0	28
PL.23613	PL.23093	ABC	#1/0 ACSR	7.35Y	122.5	0.00	2.48	1.58	1	33	10	96	0.00	0.0	9.899	0.057	1	0	1	12
PL.23614	PL.23613	ABC	#1/0 ACSR	7.35Y	122.5	0.00	2.48	1.53	1	32	10	95	0.00	0.0	9.956	0.057	0	0	0	11
PL.23863	PL.23614	ABC	#1/0 ACSR	7.35Y	122.5	0.00	2.48	1.53	1	32	10	95	0.00	0.0	9.961	0.005	0	0	0	11
PD.3364-A	PL.23863	ABC	Closed	7.35Y	122.5	0.00	2.48	1.53	0	32	10	95	0.00	0.0	9.961	0.005	0	0	0	11
PD.3364-B	PD.3364-A	ABC	Closed	7.35Y	122.5	0.00	2.48	1.53	0	32	10	95	0.00	0.0	9.961	0.005	0	0	0	11
PL.23864	PD.3364-B	ABC	#1/0 ACSR	7.35Y	122.5	0.00	2.48	1.53	1	32	10	95	0.00	0.0	9.973	0.012	0	0	0	11
PL.23193	PL.23864	ABC	#1/0 ACSR	7.35Y	122.5	0.00	2.49	1.15	1	24	7	96	0.00	0.0	10.147	0.174	0	0	0	8
PL.23301	PL.23193	ABC	#1/0 ACSR	7.35Y	122.5	0.00	2.49	1.15	1	24	7	96	0.00	0.0	10.299	0.152	0	0	0	8
PL.23103	PL.23301	B	#1/0 ACSR	7.35Y	122.5	0.00	2.49	1.51	1	11	3	96	0.00	0.0	10.358	0.059	0	0	0	3
PL.23860	PL.23103	B	#1/0 ACSR	7.35Y	122.5	0.00	2.49	1.51	1	11	3	96	0.00	0.0	10.363	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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% 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.3361	PL.23860	B	10T	7.35Y	122.5	0.00	2.49	1.51	0	11	3	96	0.00	0.0	10.363	0.005	0	0	0	3
PL.23859	PD.3361	B	#1/0 ACSR	7.35Y	122.5	0.01	2.50	1.51	1	11	3	96	0.00	0.0	10.524	0.162	0	0	0	3
PL.23616	PL.23859	B	#1/0 ACSR	7.35Y	122.5	0.00	2.50	1.51	1	11	3	96	0.00	0.0	10.625	0.101	3	1	1	3
PL.23615	PL.23616	B	#1/0 ACSR	7.35Y	122.5	0.00	2.50	1.02	0	7	2	96	0.00	0.0	10.665	0.040	0	0	0	2
PL.23099	PL.23615	B	#4 ACSR	7.35Y	122.5	0.00	2.50	0.78	1	6	2	95	0.00	0.0	10.705	0.040	6	2	1	1
PL.23098	PL.23615	B	#4 ACSR	7.35Y	122.5	0.00	2.50	0.24	0	2	0	100	0.00	0.0	10.704	0.038	0	0	0	1
PL.23097	PL.23098	B	#1/0 ACSR	7.35Y	122.5	0.00	2.50	0.24	0	2	0	100	0.00	0.0	10.779	0.076	2	0	1	1
PL.23195	PL.23301	ABC	#1/0 ACSR	7.35Y	122.5	0.00	2.49	0.65	0	14	4	96	0.00	0.0	10.358	0.060	0	0	0	5
PL.23196	PL.23195	ABC	#1/0 ACSR	7.35Y	122.5	0.00	2.49	0.51	0	11	4	94	0.00	0.0	10.448	0.089	0	0	0	4
PL.23641	PL.23196	ABC	#1/0 ACSR	7.35Y	122.5	0.00	2.49	0.51	0	11	4	94	0.00	0.0	10.574	0.127	3	1	1	4
PL.23642	PL.23641	B	#1/0 ACSR	7.35Y	122.5	0.00	2.50	1.11	0	8	2	97	0.00	0.0	10.717	0.142	0	0	0	3
PL.23805	PL.23642	B	#4 ACSR	7.35Y	122.5	0.00	2.50	0.00	0	0	0	100	0.00	0.0	10.721	0.004	0	0	0	0
PD.3333	PL.23805	B	15T	7.35Y	122.5	0.00	2.50	0.00	0	0	0	100	0.00	0.0	10.721	0.004	0	0	0	0
PL.23806	PD.3333	B	#4 ACSR	7.35Y	122.5	0.00	2.50	0.00	0	0	0	100	0.00	0.0	10.791	0.070	0	0	0	0
PL.23617	PL.23642	B	#1/0 ACSR	7.35Y	122.5	0.00	2.50	1.11	0	8	2	97	0.00	0.0	10.806	0.089	0	0	0	3
PL.23618	PL.23617	B	#1/0 ACSR	7.35Y	122.5	0.00	2.50	1.11	0	8	2	97	0.00	0.0	10.897	0.091	0	0	0	3
PL.23108	PL.23618	B	#1/0 ACSR	7.35Y	122.5	0.00	2.50	1.11	0	8	2	97	0.00	0.0	11.059	0.162	0	0	0	3
PL.23109	PL.23108	B	#1/0 ACSR	7.35Y	122.5	0.00	2.51	1.11	0	8	2	97	0.00	0.0	11.226	0.167	0	0	0	3
PL.23127	PL.23109	B	#2 ACSR	7.35Y	122.5	0.00	2.51	1.11	1	8	2	97	0.00	0.0	11.294	0.068	0	0	0	3
PL.23809	PL.23127	B	#4 ACSR	7.35Y	122.5	0.00	2.51	1.11	1	8	2	97	0.00	0.0	11.299	0.005	0	0	0	3
PD.3335	PL.23809	B	15T	7.35Y	122.5	0.00	2.51	1.11	0	8	2	97	0.00	0.0	11.299	0.005	0	0	0	3
PL.23810	PD.3335	B	#4 ACSR	7.35Y	122.5	0.00	2.52	1.11	1	8	2	97	0.00	0.0	11.391	0.092	0	0	0	3
PL.23302	PL.23810	B	#4 ACSR	7.35Y	122.5	0.01	2.52	1.11	1	8	2	97	0.00	0.0	11.514	0.123	0	0	0	3
PL.23303	PL.23302	B	#4 ACSR	7.35Y	122.5	0.01	2.53	1.11	1	8	2	97	0.00	0.0	11.693	0.179	0	0	0	3
PL.23304	PL.23303	B	#4 ACSR	7.35Y	122.5	0.01	2.54	1.11	1	8	2	97	0.00	0.0	11.833	0.140	0	0	0	3
PL.23409	PL.23304	B	#4 ACSR	7.35Y	122.5	0.00	2.54	1.11	1	8	2	97	0.00	0.0	11.927	0.094	2	1	1	3
PL.23626	PL.23409	B	#4 ACSR	7.35Y	122.5	0.00	2.54	0.77	1	5	2	93	0.00	0.0	11.989	0.061	1	0	1	2
PL.23625	PL.23626	B	#4 ACSR	7.35Y	122.5	0.00	2.55	0.60	0	4	1	97	0.00	0.0	12.083	0.094	4	1	1	1
PL.23110	PL.23108	B	#1/0 ACSR	7.35Y	122.5	0.00	2.50	0.00	0	0	0	100	0.00	0.0	11.225	0.165	0	0	0	0
PL.23803	PL.23195	C	#2 ACSR	7.35Y	122.5	0.00	2.49	0.43	0	3	1	95	0.00	0.0	10.363	0.005	0	0	0	1
PD.3332	PL.23803	C	15T	7.35Y	122.5	0.00	2.49	0.43	0	3	1	95	0.00	0.0	10.363	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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.23804	PD.3332	C	#2 ACSR	7.35Y	122.5	0.00	2.49	0.43	0	3	1	95	0.00	0.0	10.387	0.024	3	1	1	1
PL.23801	PL.23864	A	#4 ACSR	7.35Y	122.5	0.00	2.48	1.15	1	8	2	97	0.00	0.0	9.977	0.005	0	0	0	3
PD.3331	PL.23801	A	15T	7.35Y	122.5	0.00	2.48	1.15	0	8	2	97	0.00	0.0	9.977	0.005	0	0	0	3
PL.23802	PD.3331	A	#4 ACSR	7.35Y	122.5	0.00	2.48	1.15	1	8	2	97	0.00	0.0	9.997	0.020	0	0	0	3
PL.23194	PL.23802	A	#4 ACSR	7.35Y	122.5	0.00	2.48	0.87	1	6	2	95	0.00	0.0	10.029	0.033	6	2	2	2
PL.23095	PL.23802	A	#4 ACSR	7.35Y	122.5	0.00	2.48	0.28	0	2	1	89	0.00	0.0	10.090	0.093	2	1	1	1
PL.23094	PL.23093	ABC	#1/0 ACSR	7.35Y	122.5	0.00	2.48	2.77	1	59	16	97	0.00	0.0	9.928	0.085	6	2	2	16
PL.23115	PL.23094	ABC	#1/0 ACSR	7.35Y	122.5	0.00	2.48	2.48	1	53	15	96	0.00	0.0	9.958	0.030	0	0	0	14
PL.23116	PL.23115	ABC	#1/0 ACSR	7.35Y	122.5	0.00	2.49	2.48	1	53	15	96	0.00	0.0	10.046	0.088	0	0	0	14
PL.23118	PL.23116	ABC	#1/0 ACSR	7.35Y	122.5	0.00	2.49	2.39	1	51	14	96	0.00	0.0	10.120	0.074	0	0	0	13
PL.23788	PL.23118	C	#2 ACSR	7.35Y	122.5	0.00	2.49	1.18	1	8	2	97	0.00	0.0	10.125	0.005	0	0	0	2
PD.3324	PL.23788	C	15T	7.35Y	122.5	0.00	2.49	1.18	0	8	2	97	0.00	0.0	10.125	0.005	0	0	0	2
PL.23787	PD.3324	C	#2 ACSR	7.35Y	122.5	0.00	2.49	1.18	1	8	2	97	0.00	0.0	10.157	0.032	8	2	2	2
PL.23119	PL.23118	A	#4 ACSR	7.35Y	122.5	0.00	2.50	3.61	3	26	7	97	0.00	0.0	10.143	0.023	0	0	0	6
PL.23785	PL.23119	A	6 A (CWC)	7.35Y	122.5	0.00	2.50	3.61	3	26	7	97	0.00	0.0	10.148	0.005	0	0	0	6
PD.3323	PL.23785	A	15T	7.35Y	122.5	0.00	2.50	3.61	0	26	7	97	0.00	0.0	10.148	0.005	0	0	0	6
PL.23786	PD.3323	A	6 A (CWC)	7.35Y	122.5	0.01	2.51	3.61	3	26	7	97	0.00	0.0	10.210	0.062	0	0	0	6
PL.23120	PL.23786	A	6 A (CWC)	7.35Y	122.5	0.02	2.53	3.61	3	26	7	97	0.00	0.0	10.354	0.144	0	0	0	6
PL.23191	PL.23120	A	6 A (CWC)	7.35Y	122.5	0.00	2.53	1.27	1	9	3	95	0.00	0.0	10.390	0.036	9	3	2	2
PL.23605	PL.23120	A	#1/0 ACSR	7.35Y	122.5	0.01	2.54	2.34	1	17	5	96	0.00	0.0	10.469	0.115	2	1	1	4
PL.23606	PL.23605	A	#1/0 ACSR	7.35Y	122.5	0.00	2.54	2.06	1	15	4	97	0.00	0.0	10.547	0.078	0	0	0	3
PL.23121	PL.23606	A	#1/0 ACSR	7.35Y	122.5	0.00	2.54	2.06	1	15	4	97	0.00	0.0	10.634	0.087	0	0	0	3
PL.66170	PL.23121	A	#1/0 ACSR	7.35Y	122.5	0.00	2.54	0.00	0	0	0	100	0.00	0.0	10.764	0.130	0	0	0	0
PL.23300	PL.23121	A	#1/0 ACSR	7.35Y	122.5	0.00	2.55	2.06	1	15	4	97	0.00	0.0	10.737	0.103	0	0	0	3
PL.23122	PL.23300	A	#1/0 ACSR	7.35Y	122.4	0.00	2.55	2.03	1	14	4	96	0.00	0.0	10.853	0.116	14	4	2	2
PL.23192	PL.23300	A	#1/0 ACSR	7.35Y	122.5	0.00	2.55	0.04	0	0	0	100	0.00	0.0	10.778	0.041	0	0	1	1
PL.23190	PL.23118	ABC	#1/0 ACSR	7.35Y	122.5	0.00	2.49	0.80	0	17	5	96	0.00	0.0	10.243	0.122	0	0	0	5
PL.23125	PL.23190	ABC	#1/0 ACSR	7.35Y	122.5	0.00	2.49	0.70	0	15	4	97	0.00	0.0	10.292	0.050	0	0	0	4
PL.23123	PL.23125	ABC	#1/0 ACSR	7.35Y	122.5	0.00	2.50	0.70	0	15	4	97	0.00	0.0	10.404	0.111	2	1	2	4
PL.23784	PL.23123	A	#1/0 ACSR	7.35Y	122.5	0.00	2.50	1.83	1	13	4	96	0.00	0.0	10.408	0.005	0	0	0	2
PD.3322	PL.23784	A	15T	7.35Y	122.5	0.00	2.50	1.83	0	13	4	96	0.00	0.0	10.408	0.005	0	0	0	2

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

Balanced Voltage Drop Report
Source: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.23783	PD.3322	A	#1/0 ACSR	7.35Y	122.5	0.00	2.50	1.83	1	13	4	96	0.00	0.0	10.486	0.078	0	0	0	2
PL.23604	PL.23783	A	#1/0 ACSR	7.35Y	122.5	0.00	2.50	1.83	1	13	4	96	0.00	0.0	10.542	0.056	0	0	0	2
PL.23603	PL.23604	A	#1/0 ACSR	7.35Y	122.5	0.00	2.50	1.83	1	13	4	96	0.00	0.0	10.591	0.049	0	0	0	2
PL.23601	PL.23603	A	#1/0 ACSR	7.35Y	122.5	0.00	2.50	1.83	1	13	4	96	0.00	0.0	10.622	0.031	4	1	1	2
PL.23602	PL.23601	A	#1/0 ACSR	7.35Y	122.5	0.00	2.51	1.20	1	8	2	97	0.00	0.0	10.692	0.070	8	2	1	1
PL.23124	PL.23190	A	6 A (CWC)	7.35Y	122.5	0.00	2.49	0.29	0	2	1	89	0.00	0.0	10.257	0.014	2	1	1	1
PL.23789	PL.23116	A	6 A (CWC)	7.35Y	122.5	0.00	2.49	0.26	0	2	1	89	0.00	0.0	10.051	0.005	0	0	0	1
PD.3325	PL.23789	A	15T	7.35Y	122.5	0.00	2.49	0.26	0	2	1	89	0.00	0.0	10.051	0.005	0	0	0	1
PL.23790	PD.3325	A	6 A (CWC)	7.35Y	122.5	0.00	2.49	0.26	0	2	1	89	0.00	0.0	10.094	0.043	2	1	1	1
PL.23795	PL.23403	C	6 A (CWC)	7.35Y	122.5	0.00	2.46	2.85	2	20	6	96	0.00	0.0	9.580	0.005	0	0	0	8
PD.3328	PL.23795	C	15T	7.35Y	122.5	0.00	2.46	2.85	0	20	6	96	0.00	0.0	9.580	0.005	0	0	0	8
PL.23796	PD.3328	C	6 A (CWC)	7.35Y	122.5	0.00	2.46	2.85	2	20	6	96	0.00	0.0	9.621	0.041	3	1	3	8
PL.23610	PL.23796	C	6 A (CWC)	7.35Y	122.5	0.01	2.47	2.46	2	17	5	96	0.00	0.0	9.686	0.065	11	3	2	5
PL.23113	PL.23610	C	#4 ACSR	7.35Y	122.5	0.00	2.47	0.94	1	7	2	96	0.00	0.0	9.704	0.019	7	2	3	3
PL.23791	PL.23113	C	#2 ACSR	7.35Y	122.5	0.00	2.47	0.00	0	0	0	100	0.00	0.0	9.709	0.005	0	0	0	0
PD.3326	PL.23791	C	10T	7.35Y	122.5	0.00	2.47	0.00	0	0	0	100	0.00	0.0	9.709	0.005	0	0	0	0
PL.23792	PD.3326	C	#2 ACSR	7.35Y	122.5	0.00	2.47	0.00	0	0	0	100	0.00	0.0	9.802	0.093	0	0	0	0
PL.23797	PL.23608	A	6 A (CWC)	7.35Y	122.6	0.00	2.45	1.84	1	13	4	96	0.00	0.0	9.509	0.005	0	0	0	3
PD.3329	PL.23797	A	15T	7.35Y	122.6	0.00	2.45	1.84	0	13	4	96	0.00	0.0	9.509	0.005	0	0	0	3
PL.23798	PD.3329	A	6 A (CWC)	7.35Y	122.5	0.01	2.45	1.84	1	13	4	96	0.00	0.0	9.581	0.072	3	1	1	3
PL.23092	PL.23798	A	6 A (CWC)	7.35Y	122.5	0.00	2.46	1.45	1	10	3	96	0.00	0.0	9.697	0.116	10	3	2	2
PL.23793	PL.23600	C	6 A (CWC)	7.35Y	122.6	0.00	2.43	1.70	1	12	3	97	0.00	0.0	9.408	0.005	0	0	0	3
PD.3327	PL.23793	C	15T	7.35Y	122.6	0.00	2.43	1.70	0	12	3	97	0.00	0.0	9.408	0.005	0	0	0	3
PL.23794	PD.3327	C	6 A (CWC)	7.35Y	122.6	0.00	2.44	1.70	1	12	3	97	0.00	0.0	9.455	0.047	7	2	1	3
PL.23609	PL.23794	C	6 A (CWC)	7.35Y	122.6	0.00	2.44	0.74	1	5	1	98	0.00	0.0	9.482	0.027	5	1	2	2
PL.23829	PL.23402	C	6 A (CWC)	7.36Y	122.6	0.00	2.40	1.79	1	13	4	96	0.00	0.0	9.153	0.005	0	0	0	7
PD.3346	PL.23829	C	15T	7.36Y	122.6	0.00	2.40	1.79	0	13	4	96	0.00	0.0	9.153	0.005	0	0	0	7
PL.23830	PD.3346	C	6 A (CWC)	7.36Y	122.6	0.00	2.40	1.79	1	13	4	96	0.00	0.0	9.198	0.045	2	1	1	7
PL.23090	PL.23830	C	6 A (CWC)	7.36Y	122.6	0.01	2.41	1.45	1	10	3	96	0.00	0.0	9.315	0.117	0	0	1	6
PL.23091	PL.23090	C	6 A (CWC)	7.36Y	122.6	0.01	2.41	1.42	1	10	3	96	0.00	0.0	9.410	0.095	0	0	0	5
PL.23299	PL.23091	C	6 A (CWC)	7.35Y	122.6	0.01	2.42	1.42	1	10	3	96	0.00	0.0	9.523	0.113	0	0	1	5

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

Balanced Voltage Drop Report
Source: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.23781	PL.23299	C	2 AL URD	7.35Y	122.6	0.00	2.42	1.42	1	10	3	96	0.00	0.0	9.527	0.005	0	0	0	4
PD.3321	PL.23781	C	10T	7.35Y	122.6	0.00	2.42	1.42	0	10	3	96	0.00	0.0	9.527	0.005	0	0	0	4
PL.23782	PD.3321	C	2 AL URD	7.35Y	122.6	0.00	2.43	1.42	1	10	3	96	0.00	0.0	9.650	0.122	7	2	2	4
PL.23309	PL.23782	C	2 AL URD	7.35Y	122.6	0.00	2.43	0.48	0	3	1	95	0.00	0.0	9.814	0.164	0	0	0	2
PL.23114	PL.23309	C	2 AL URD	7.35Y	122.6	0.00	2.43	0.10	0	1	0	100	0.00	0.0	9.848	0.034	1	0	1	1
PL.23310	PL.23309	C	2 AL URD	7.35Y	122.6	0.00	2.43	0.37	0	3	1	95	0.00	0.0	9.919	0.105	3	1	1	1
PL.23775	PL.23458	A	#1/0 ACSR	7.36Y	122.7	0.00	2.33	7.24	3	51	14	96	0.00	0.0	8.743	0.005	0	0	0	2
PD.3318	PL.23775	A	15T	7.36Y	122.7	0.00	2.33	7.24	0	51	14	96	0.00	0.0	8.743	0.005	0	0	0	2
PL.23776	PD.3318	A	#1/0 ACSR	7.36Y	122.7	0.01	2.34	7.24	3	51	14	96	0.00	0.0	8.820	0.076	0	0	0	2
PL.23298	PL.23776	A	#1/0 ACSR	7.36Y	122.6	0.02	2.36	7.24	3	51	14	96	0.01	0.0	8.935	0.116	0	0	0	2
PL.23536	PL.23298	A	#1/0 ACSR	7.36Y	122.6	0.01	2.37	7.24	3	51	14	96	0.00	0.0	8.986	0.051	2	1	1	2
PL.23537	PL.23536	A	#1/0 ACSR	7.36Y	122.6	0.01	2.38	6.98	3	49	14	96	0.00	0.0	9.167	0.180	49	14	1	1
PL.23691	PL.23413	A	6 A (CWC)	7.39Y	123.2	0.00	1.79	0.99	1	7	2	96	0.00	0.0	6.797	0.004	0	0	0	2
PD.3275	PL.23691	A	10T	7.39Y	123.2	0.00	1.79	0.99	0	7	2	96	0.00	0.0	6.797	0.004	0	0	0	2
PL.23692	PD.3275	A	6 A (CWC)	7.39Y	123.2	0.00	1.79	0.99	1	7	2	96	0.00	0.0	6.855	0.058	7	2	2	2
PL.23693	PL.23416	A	#4 ACSR	7.39Y	123.2	0.00	1.76	1.20	1	9	2	98	0.00	0.0	6.732	0.005	0	0	0	1
PD.3276	PL.23693	A	20T	7.39Y	123.2	0.00	1.76	1.20	0	9	2	98	0.00	0.0	6.732	0.005	0	0	0	1
PL.23694	PD.3276	A	#4 ACSR	7.39Y	123.2	0.00	1.76	1.20	1	9	2	98	0.00	0.0	6.783	0.051	9	2	1	1
PL.22861	PL.23886	ABC	6 A (CWC)	7.40Y	123.4	0.00	1.61	0.78	1	16	8	89	0.00	0.0	6.414	0.005	0	0	0	2
PD.3363	PL.22861	ABC	20T	7.40Y	123.4	0.00	1.61	0.78	0	16	8	89	0.00	0.0	6.414	0.005	0	0	0	2
PL.23181	PD.3363	ABC	6 A (CWC)	7.40Y	123.4	0.00	1.61	0.67	0	13	6	91	0.00	0.0	6.471	0.057	0	0	0	1
PL.22862	PL.23181	ABC	6 A (CWC)	7.40Y	123.4	0.00	1.62	0.67	0	13	6	91	0.00	0.0	6.605	0.134	0	0	0	1
PL.23287	PL.22862	ABC	6 A (CWC)	7.40Y	123.4	0.00	1.62	0.67	0	13	6	91	0.00	0.0	6.678	0.073	0	0	0	1
PL.23288	PL.23287	ABC	6 A (CWC)	7.40Y	123.4	0.00	1.62	0.67	0	13	6	91	0.00	0.0	6.764	0.086	0	0	0	1
PL.23289	PL.23288	ABC	6 A (CWC)	7.40Y	123.4	0.00	1.62	0.67	0	13	6	91	0.00	0.0	6.884	0.120	13	6	1	1
PL.22860	PD.3363	ABC	6 A (CWC)	7.40Y	123.4	0.00	1.61	0.11	0	2	1	89	0.00	0.0	6.470	0.056	2	1	1	1
PL.23689	PL.23286	C	#4 ACSR	7.41Y	123.5	0.00	1.47	0.00	0	0	0	100	0.00	0.0	6.198	0.005	0	0	0	0
PD.3274	PL.23689	C	30T	7.41Y	123.5	0.00	1.47	0.00	0	0	0	100	0.00	0.0	6.198	0.005	0	0	0	0
PL.23690	PD.3274	C	#4 ACSR	7.41Y	123.5	0.00	1.47	0.00	0	0	0	100	0.00	0.0	6.273	0.075	0	0	0	0
PL.23883	PL.23510	ABC	#1/0 ACSR	7.42Y	123.7	0.01	1.31	22.52	10	482	137	96	0.05	0.0	5.970	0.036	0	0	0	128
PD.3374	PL.23883	ABC	50L	7.42Y	123.7	0.00	1.31	22.52	45	482	137	96	0.00	0.0	5.970	0.036	0	0	0	128

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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.23884	PD.3374	ABC	#1/0 ACSR	7.42Y	123.6	0.07	1.39	22.52	10	482	137	96	0.24	0.1	6.152	0.182	7	2	1	128
PL.23501	PL.23884	ABC	#1/0 ACSR	7.41Y	123.6	0.03	1.42	22.18	10	475	135	96	0.10	0.0	6.229	0.077	0	0	0	127
PL.23683	PL.23501	A	#2 ACSR	7.41Y	123.6	0.00	1.42	0.15	0	1	0	100	0.00	0.0	6.233	0.005	0	0	0	1
PD.3271	PL.23683	A	20T	7.41Y	123.6	0.00	1.42	0.15	0	1	0	100	0.00	0.0	6.233	0.005	0	0	0	1
PL.23684	PD.3271	A	#2 ACSR	7.41Y	123.6	0.00	1.42	0.15	0	1	0	100	0.00	0.0	6.256	0.023	1	0	1	1
PL.22863	PL.23501	C	#2 ACSR	7.41Y	123.6	0.00	1.42	2.61	1	19	5	97	0.00	0.0	6.236	0.008	6	2	1	6
PL.23685	PL.22863	C	6 A (CWC)	7.41Y	123.6	0.00	1.42	1.72	1	12	3	97	0.00	0.0	6.241	0.005	0	0	0	5
PD.3272	PL.23685	C	20T	7.41Y	123.6	0.00	1.42	1.72	0	12	3	97	0.00	0.0	6.241	0.005	0	0	0	5
PL.23686	PD.3272	C	6 A (CWC)	7.41Y	123.6	0.01	1.43	1.72	1	12	3	97	0.00	0.0	6.334	0.093	2	1	1	5
PL.23498	PL.23686	C	#4 ACSR	7.41Y	123.6	0.00	1.43	1.43	1	10	3	96	0.00	0.0	6.345	0.011	0	0	1	4
PL.23502	PL.23498	C	#4 ACSR	7.41Y	123.6	0.00	1.43	1.42	1	10	3	96	0.00	0.0	6.397	0.052	0	0	0	3
PL.23503	PL.23502	C	#4 ACSR	7.41Y	123.6	0.00	1.43	1.42	1	10	3	96	0.00	0.0	6.418	0.020	10	3	3	3
PL.23166	PL.23501	ABC	#1/0 ACSR	7.41Y	123.6	0.02	1.44	21.26	9	455	129	96	0.07	0.0	6.290	0.062	0	0	0	120
PL.22991	PL.23166	ABC	#1/0 ACSR	7.41Y	123.5	0.02	1.46	21.26	9	455	129	96	0.05	0.0	6.331	0.040	0	0	0	120
PL.23629	PL.22991	ABC	#1/0 ACSR	7.41Y	123.5	0.02	1.48	19.91	9	426	121	96	0.06	0.0	6.389	0.058	0	0	1	107
PL.23630	PL.23629	ABC	#1/0 ACSR	7.41Y	123.5	0.02	1.50	19.89	9	425	121	96	0.06	0.0	6.446	0.057	1	0	1	106
PL.23627	PL.23630	ABC	#1/0 ACSR	7.41Y	123.5	0.01	1.51	19.84	9	424	121	96	0.02	0.0	6.468	0.022	2	0	1	105
PL.23628	PL.23627	ABC	#1/0 ACSR	7.41Y	123.4	0.06	1.57	19.76	9	423	120	96	0.17	0.0	6.630	0.161	0	0	0	104
PL.23823	PL.23628	A	#4 ACSR	7.41Y	123.4	0.00	1.57	0.36	0	3	1	95	0.00	0.0	6.634	0.005	0	0	0	1
PD.3343	PL.23823	A	20T	7.41Y	123.4	0.00	1.57	0.36	0	3	1	95	0.00	0.0	6.634	0.005	0	0	0	1
PL.23824	PD.3343	A	#4 ACSR	7.41Y	123.4	0.00	1.57	0.36	0	3	1	95	0.00	0.0	6.688	0.054	3	1	1	1
PL.23168	PL.23628	ABC	#1/0 ACSR	7.40Y	123.4	0.02	1.59	19.64	9	420	119	96	0.07	0.0	6.700	0.070	0	0	0	103
PL.23821	PL.23168	C	#4 ACSR	7.40Y	123.4	0.00	1.59	0.02	0	0	0	100	0.00	0.0	6.704	0.005	0	0	0	1
PD.3342	PL.23821	C	20T	7.40Y	123.4	0.00	1.59	0.02	0	0	0	100	0.00	0.0	6.704	0.005	0	0	0	1
PL.23822	PD.3342	C	#4 ACSR	7.40Y	123.4	0.00	1.59	0.02	0	0	0	100	0.00	0.0	6.724	0.020	0	0	1	1
PL.23169	PL.23168	ABC	#1/0 ACSR	7.40Y	123.4	0.02	1.61	19.64	9	420	119	96	0.06	0.0	6.756	0.057	0	0	0	102
PL.23348	PL.23169	ABC	#1/0 ACSR	7.40Y	123.4	0.01	1.62	19.64	9	420	119	96	0.04	0.0	6.794	0.037	0	0	1	102
PL.23349	PL.23348	ABC	#1/0 ACSR	7.40Y	123.3	0.04	1.67	19.63	9	419	119	96	0.13	0.0	6.920	0.127	3	1	2	101
PL.23877	PL.23349	B	6 A (CWC)	7.40Y	123.3	0.00	1.67	34.00	24	242	69	96	0.01	0.0	6.923	0.003	0	0	0	60
PD.3371	PL.23877	B	50L	7.40Y	123.3	0.00	1.67	34.00	68	242	69	96	0.00	0.0	6.923	0.003	0	0	0	60
PL.23878	PD.3371	B	6 A (CWC)	7.39Y	123.2	0.15	1.83	34.00	24	242	69	96	0.28	0.1	7.021	0.098	0	0	0	60

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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.23170	PL.23878	B	6 A (CWC)	7.39Y	123.1	0.08	1.91	34.00	24	242	69	96	0.14	0.1	7.072	0.051	1	0	1	60
PL.23039	PL.23170	B	#4 ACSR	7.39Y	123.1	0.00	1.91	0.31	0	2	1	89	0.00	0.0	7.116	0.044	2	1	1	1
PL.23427	PL.23170	B	6 A (CWC)	7.38Y	123.0	0.14	2.04	33.53	24	238	68	96	0.24	0.1	7.163	0.091	5	1	1	58
PL.23428	PL.23427	B	6 A (CWC)	7.37Y	122.8	0.16	2.20	32.24	23	229	65	96	0.27	0.1	7.271	0.108	7	2	2	56
PL.23042	PL.23428	B	6 A (CWC)	7.37Y	122.8	0.02	2.22	31.20	22	221	63	96	0.04	0.0	7.287	0.016	0	0	0	54
PL.23043	PL.23042	B	6 A (CWC)	7.37Y	122.8	0.00	2.23	3.27	2	23	6	97	0.00	0.0	7.336	0.049	23	6	3	3
PL.23171	PL.23042	B	6 A (CWC)	7.36Y	122.6	0.15	2.38	27.93	20	198	56	96	0.23	0.1	7.408	0.121	0	0	0	51
PL.23172	PL.23171	B	6 A (CWC)	7.35Y	122.5	0.11	2.49	27.93	20	198	56	96	0.16	0.1	7.496	0.088	5	1	2	51
PL.23045	PL.23172	B	6 A (CWC)	7.34Y	122.3	0.17	2.66	27.22	19	193	54	96	0.25	0.1	7.633	0.136	0	0	0	49
PL.23346	PL.23045	B	6 A (CWC)	7.34Y	122.3	0.07	2.73	27.22	19	192	54	96	0.10	0.1	7.688	0.056	2	1	1	49
PL.23347	PL.23346	B	6 A (CWC)	7.33Y	122.2	0.05	2.78	26.88	19	190	54	96	0.07	0.0	7.730	0.042	0	0	1	48
PL.23345	PL.23347	B	6 A (CWC)	7.32Y	122.0	0.18	2.96	26.84	19	189	53	96	0.26	0.1	7.881	0.151	5	1	1	47
PL.23344	PL.23345	B	6 A (CWC)	7.32Y	122.0	0.06	3.02	26.15	19	184	52	96	0.08	0.0	7.929	0.048	12	3	2	46
PL.23342	PL.23344	B	6 A (CWC)	7.31Y	121.8	0.14	3.16	24.49	17	173	49	96	0.18	0.1	8.052	0.123	2	0	1	44
PL.23343	PL.23342	B	6 A (CWC)	7.31Y	121.8	0.03	3.18	24.24	17	171	48	96	0.03	0.0	8.076	0.024	0	0	0	43
PL.23046	PL.23343	B	#4 ACSR	7.31Y	121.8	0.00	3.18	0.36	0	3	1	95	0.00	0.0	8.171	0.095	3	1	1	1
PL.23173	PL.23343	B	6 A (CWC)	7.31Y	121.8	0.02	3.21	23.88	17	168	47	96	0.03	0.0	8.097	0.021	2	0	1	42
PL.23048	PL.23173	B	6 A (CWC)	7.31Y	121.8	0.00	3.21	23.67	17	166	47	96	0.01	0.0	8.102	0.005	0	0	0	41
PD.3341	PL.23048	B	15T	7.31Y	121.8	0.00	3.21	23.67	0	166	47	96	0.00	0.0	8.102	0.005	0	0	0	41
PL.23047	PD.3341	B	#1/0 ACSR	7.31Y	121.8	0.00	3.21	3.55	2	25	7	96	0.00	0.0	8.137	0.035	25	7	3	3
PL.23441	PD.3341	B	6 A (CWC)	7.30Y	121.7	0.13	3.34	20.12	14	142	40	96	0.14	0.1	8.248	0.146	3	1	1	38
PL.23323	PL.23441	B	6 A (CWC)	7.30Y	121.7	0.00	3.35	0.94	1	7	2	96	0.00	0.0	8.287	0.039	7	2	1	1
PL.23324	PL.23323	B	6 A (CWC)	7.30Y	121.7	0.00	3.35	0.00	0	0	0	100	0.00	0.0	8.344	0.057	0	0	0	0
PL.23442	PL.23441	B	6 A (CWC)	7.30Y	121.6	0.05	3.40	18.74	13	132	37	96	0.05	0.0	8.308	0.060	4	1	2	36
PL.23081	PL.23442	B	#1/0 ACSR	7.30Y	121.6	0.00	3.40	1.14	0	8	2	97	0.00	0.0	8.335	0.028	8	2	1	1
PL.23443	PL.23442	B	6 A (CWC)	7.29Y	121.5	0.09	3.48	16.96	12	119	33	96	0.08	0.1	8.418	0.111	1	0	1	33
PL.23079	PL.23443	B	6 A (CWC)	7.29Y	121.4	0.09	3.57	7.86	6	55	15	96	0.04	0.1	8.672	0.254	1	0	1	13
PL.23082	PL.23079	B	6 A (CWC)	7.28Y	121.4	0.05	3.62	7.65	5	54	15	96	0.02	0.0	8.848	0.176	16	4	3	12
PL.23440	PL.23082	B	#4 ACSR	7.28Y	121.3	0.03	3.66	5.42	4	38	11	96	0.01	0.0	8.988	0.140	1	0	1	9
PL.23815	PL.23440	B	#4 ACSR	7.28Y	121.3	0.00	3.66	5.02	4	35	10	96	0.00	0.0	8.993	0.005	0	0	0	7
PD.3338	PL.23815	B	15T	7.28Y	121.3	0.00	3.66	5.02	0	35	10	96	0.00	0.0	8.993	0.005	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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.23816	PD.3338	B	#4 ACSR	7.28Y	121.3	0.03	3.69	5.02	4	35	10	96	0.01	0.0	9.114	0.121	0	0	0	7
PL.23279	PL.23816	B	#4 ACSR	7.28Y	121.3	0.04	3.72	5.02	4	35	10	96	0.01	0.0	9.287	0.174	0	0	0	7
PL.23280	PL.23279	B	#4 ACSR	7.28Y	121.3	0.02	3.74	5.02	4	35	10	96	0.00	0.0	9.360	0.073	0	0	0	7
PL.23321	PL.23280	B	#4 ACSR	7.27Y	121.2	0.01	3.75	5.02	4	35	10	96	0.00	0.0	9.423	0.063	7	2	1	7
PL.23322	PL.23321	B	#4 ACSR	7.27Y	121.2	0.00	3.76	3.99	3	28	8	96	0.00	0.0	9.444	0.021	0	0	0	6
PL.23084	PL.23322	B	#2 ACSR	7.27Y	121.2	0.00	3.76	0.57	0	4	1	97	0.00	0.0	9.495	0.051	0	0	0	1
PL.23813	PL.23084	B	1/0 AL URD	7.27Y	121.2	0.00	3.76	0.57	0	4	1	97	0.00	0.0	9.500	0.005	0	0	0	1
PD.3337	PL.23813	B	12T	7.27Y	121.2	0.00	3.76	0.57	0	4	1	97	0.00	0.0	9.500	0.005	0	0	0	1
PL.23814	PD.3337	B	1/0 AL URD	7.27Y	121.2	0.00	3.76	0.57	0	4	1	97	0.00	0.0	9.518	0.018	0	0	0	1
PL.23811	PL.23814	B	#2 ACSR	7.27Y	121.2	0.00	3.76	0.57	0	4	1	97	0.00	0.0	9.523	0.005	0	0	0	1
PD.3336	PL.23811	B	10T	7.27Y	121.2	0.00	3.76	0.57	0	4	1	97	0.00	0.0	9.523	0.005	0	0	0	1
PL.23812	PD.3336	B	#2 ACSR	7.27Y	121.2	0.00	3.76	0.57	0	4	1	97	0.00	0.0	9.548	0.025	0	0	0	1
PL.23085	PL.23812	B	#2 ACSR	7.27Y	121.2	0.00	3.76	0.00	0	0	0	100	0.00	0.0	9.582	0.034	0	0	0	0
PL.23086	PL.23812	B	#2 ACSR	7.27Y	121.2	0.00	3.76	0.57	0	4	1	97	0.00	0.0	9.615	0.067	4	1	1	1
PL.23317	PL.23322	B	#4 ACSR	7.27Y	121.2	0.02	3.77	3.42	3	24	7	96	0.00	0.0	9.557	0.113	5	1	1	5
PL.23318	PL.23317	B	#4 ACSR	7.27Y	121.2	0.01	3.78	2.73	2	19	5	97	0.00	0.0	9.605	0.048	0	0	0	4
PL.23319	PL.23318	B	#4 ACSR	7.27Y	121.2	0.00	3.78	1.61	1	11	3	96	0.00	0.0	9.670	0.065	0	0	1	3
PL.23320	PL.23319	B	#4 ACSR	7.27Y	121.2	0.00	3.79	1.61	1	11	3	96	0.00	0.0	9.716	0.046	0	0	0	2
PL.23281	PL.23320	B	#4 ACSR	7.27Y	121.2	0.01	3.80	1.61	1	11	3	96	0.00	0.0	9.866	0.150	3	1	1	2
PL.23088	PL.23281	B	#4 ACSR	7.27Y	121.2	0.01	3.81	1.21	1	8	2	97	0.00	0.0	10.049	0.183	0	0	0	1
PL.23282	PL.23088	B	#4 ACSR	7.27Y	121.2	0.00	3.81	1.21	1	8	2	97	0.00	0.0	10.128	0.079	8	2	1	1
PL.23087	PL.23318	B	#2 ACSR	7.27Y	121.2	0.00	3.78	1.12	1	8	2	97	0.00	0.0	9.633	0.028	8	2	1	1
PL.23083	PL.23440	B	#4 ACSR	7.28Y	121.3	0.00	3.66	0.22	0	2	0	100	0.00	0.0	9.030	0.042	2	0	1	1
PL.23066	PL.23443	B	6 A (CWC)	7.29Y	121.5	0.03	3.51	8.97	6	63	18	96	0.01	0.0	8.489	0.071	0	0	0	19
PL.23315	PL.23066	B	6 A (CWC)	7.29Y	121.5	0.02	3.53	8.66	6	61	17	96	0.01	0.0	8.533	0.044	1	0	2	17
PL.23316	PL.23315	B	6 A (CWC)	7.29Y	121.5	0.01	3.54	8.50	6	60	17	96	0.01	0.0	8.565	0.032	4	1	1	15
PL.23067	PL.23316	B	6 A (CWC)	7.29Y	121.5	0.01	3.55	6.87	5	48	14	96	0.00	0.0	8.595	0.030	0	0	0	13
PL.23069	PL.23067	B	6 A (CWC)	7.28Y	121.4	0.04	3.59	6.34	5	45	12	97	0.01	0.0	8.744	0.149	5	1	1	12
PL.23313	PL.23069	B	6 A (CWC)	7.28Y	121.4	0.02	3.61	5.67	4	40	11	96	0.01	0.0	8.820	0.076	4	1	1	10
PL.23314	PL.23313	B	6 A (CWC)	7.28Y	121.4	0.02	3.62	5.11	4	36	10	96	0.00	0.0	8.895	0.075	7	2	2	9
PL.23312	PL.23314	B	6 A (CWC)	7.28Y	121.3	0.03	3.66	4.07	3	29	8	96	0.01	0.0	9.081	0.185	3	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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.23311	PL.23312	B	6 A (CWC)	7.28Y	121.3	0.01	3.67	3.69	3	26	7	97	0.00	0.0	9.163	0.082	0	0	0	6
PL.23174	PL.23311	B	6 A (CWC)	7.28Y	121.3	0.01	3.68	2.88	2	20	6	96	0.00	0.0	9.222	0.059	0	0	0	5
PL.23284	PL.23174	B	6 A (CWC)	7.28Y	121.3	0.02	3.70	2.88	2	20	6	96	0.00	0.0	9.386	0.164	0	0	0	5
PL.23285	PL.23284	B	6 A (CWC)	7.28Y	121.3	0.02	3.72	2.88	2	20	6	96	0.00	0.0	9.534	0.149	0	0	0	5
PL.23175	PL.23285	B	6 A (CWC)	7.28Y	121.3	0.01	3.73	2.88	2	20	6	96	0.00	0.0	9.590	0.056	0	0	0	5
PL.23073	PL.23175	B	#4 ACSR	7.28Y	121.3	0.00	3.73	0.94	1	7	2	96	0.00	0.0	9.649	0.059	7	2	2	2
PL.23176	PL.23175	B	6 A (CWC)	7.28Y	121.3	0.00	3.73	1.94	1	14	4	96	0.00	0.0	9.622	0.032	0	0	0	3
PL.23074	PL.23176	B	#4 ACSR	7.28Y	121.3	0.00	3.73	0.61	0	4	1	97	0.00	0.0	9.661	0.039	4	1	2	2
PL.23075	PL.23176	B	6 A (CWC)	7.28Y	121.3	0.00	3.73	1.34	1	9	3	95	0.00	0.0	9.671	0.048	0	0	0	1
PL.23077	PL.23075	B	6 A (CWC)	7.28Y	121.3	0.00	3.73	0.00	0	0	0	100	0.00	0.0	9.743	0.072	0	0	0	0
PL.23076	PL.23075	B	#4 ACSR	7.28Y	121.3	0.00	3.74	1.34	1	9	3	95	0.00	0.0	9.737	0.067	9	3	1	1
PL.23071	PL.23311	B	#1/0 ACSR	7.28Y	121.3	0.00	3.67	0.81	0	6	2	95	0.00	0.0	9.219	0.056	6	2	1	1
PL.23070	PL.23069	B	#4 ACSR	7.28Y	121.4	0.00	3.59	0.00	0	0	0	100	0.00	0.0	8.885	0.141	0	0	1	1
PL.23068	PL.23067	B	#4 ACSR	7.29Y	121.5	0.00	3.55	0.52	0	4	1	97	0.00	0.0	8.684	0.089	4	1	1	1
PL.23447	PL.23316	B	6 A (CWC)	7.29Y	121.5	0.00	3.54	1.11	1	8	2	97	0.00	0.0	8.618	0.053	8	2	1	1
PL.23078	PL.23066	B	6 A (CWC)	7.29Y	121.5	0.00	3.51	0.31	0	2	1	89	0.00	0.0	8.557	0.068	2	1	2	2
PL.23080	PL.23066	B	#4 ACSR	7.29Y	121.5	0.00	3.51	0.00	0	0	0	100	0.00	0.0	8.585	0.096	0	0	0	0
PL.23283	PL.23080	B	#4 ACSR	7.29Y	121.5	0.00	3.51	0.00	0	0	0	100	0.00	0.0	8.729	0.144	0	0	0	0
PL.23044	PL.23171	B	#4 ACSR	7.36Y	122.6	0.00	2.38	0.00	0	0	0	100	0.00	0.0	7.474	0.066	0	0	0	0
PL.23040	PL.23427	B	6 A (CWC)	7.38Y	123.0	0.00	2.04	0.59	0	4	1	97	0.00	0.0	7.215	0.052	4	1	1	1
PL.23041	PL.23040	B	6 A (CWC)	7.38Y	123.0	0.00	2.04	0.00	0	0	0	100	0.00	0.0	7.384	0.169	0	0	0	0
PL.23137	PL.23041	B	6 A (CWC)	7.38Y	123.0	0.00	2.04	0.00	0	0	0	100	0.00	0.0	7.431	0.048	0	0	0	0
PL.22994	PL.23878	B	6 A (CWC)	7.39Y	123.2	0.00	1.83	0.00	0	0	0	100	0.00	0.0	7.062	0.040	0	0	0	0
PL.22993	PL.22994	B	6 A (CWC)	7.39Y	123.2	0.00	1.83	0.00	0	0	0	100	0.00	0.0	7.119	0.057	0	0	0	0
PL.23277	PL.22993	B	6 A (CWC)	7.39Y	123.2	0.00	1.83	0.00	0	0	0	100	0.00	0.0	7.276	0.157	0	0	0	0
PL.23278	PL.23277	B	6 A (CWC)	7.39Y	123.2	0.00	1.83	0.00	0	0	0	100	0.00	0.0	7.312	0.036	0	0	0	0
PL.22992	PL.23278	B	#4 ACSR	7.39Y	123.2	0.00	1.83	0.00	0	0	0	100	0.00	0.0	7.419	0.107	0	0	0	0
PL.23847	PL.23349	A	#4 ACSR	7.40Y	123.3	0.01	1.67	24.44	19	174	49	96	0.01	0.0	6.925	0.005	0	0	0	39
PD.3355	PL.23847	A	20T	7.40Y	123.3	0.00	1.67	24.44	0	174	49	96	0.00	0.0	6.925	0.005	0	0	0	39
PL.23848	PD.3355	A	#4 ACSR	7.39Y	123.1	0.20	1.88	24.44	19	174	49	96	0.26	0.2	7.110	0.185	0	0	0	39
PL.23051	PL.23848	A	#4 ACSR	7.37Y	122.9	0.24	2.12	24.44	19	174	49	96	0.32	0.2	7.333	0.223	0	0	1	39

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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.23177	PL.23051	A	#4 ACSR	7.37Y	122.8	0.11	2.23	23.24	18	165	46	96	0.14	0.1	7.438	0.105	0	0	0	36
PL.23178	PL.23177	A	#4 ACSR	7.36Y	122.6	0.17	2.39	22.25	17	158	44	96	0.20	0.1	7.604	0.166	0	0	0	35
PL.23050	PL.23178	A	#4 ACSR	7.35Y	122.5	0.06	2.46	21.28	16	151	42	96	0.07	0.0	7.671	0.067	0	0	0	33
PL.23054	PL.23050	A	#4 ACSR	7.35Y	122.5	0.00	2.46	0.02	0	0	0	100	0.00	0.0	7.682	0.011	0	0	1	1
PL.23338	PL.23050	A	#4 ACSR	7.35Y	122.5	0.04	2.50	21.25	16	150	42	96	0.05	0.0	7.714	0.043	0	0	2	32
PL.23339	PL.23338	A	#4 ACSR	7.34Y	122.4	0.15	2.65	21.20	16	150	42	96	0.17	0.1	7.873	0.158	0	0	0	30
PL.23331	PL.23339	A	#4 ACSR	7.33Y	122.2	0.13	2.78	17.00	13	120	34	96	0.12	0.1	8.045	0.172	5	1	2	22
PL.23332	PL.23331	A	#4 ACSR	7.33Y	122.1	0.09	2.86	16.29	13	115	32	96	0.07	0.1	8.177	0.132	22	6	3	20
PL.23431	PL.23332	A	#4 ACSR	7.33Y	122.1	0.04	2.90	12.21	9	86	24	96	0.03	0.0	8.252	0.076	0	0	0	16
PL.23060	PL.23431	A	#4 ACSR	7.33Y	122.1	0.00	2.90	0.00	0	0	0	100	0.00	0.0	8.280	0.027	0	0	0	0
PL.23329	PL.23431	A	#4 ACSR	7.32Y	122.0	0.06	2.97	12.21	9	86	24	96	0.04	0.0	8.370	0.118	2	1	1	16
PL.23330	PL.23329	A	#4 ACSR	7.32Y	122.0	0.04	3.01	11.95	9	84	24	96	0.03	0.0	8.446	0.075	0	0	0	15
PL.23436	PL.23330	A	#4 ACSR	7.32Y	121.9	0.05	3.06	10.76	8	76	21	96	0.03	0.0	8.563	0.118	18	5	4	13
PL.23437	PL.23436	A	#4 ACSR	7.32Y	121.9	0.02	3.08	7.13	5	50	14	96	0.01	0.0	8.638	0.074	7	2	1	7
PL.23438	PL.23437	A	#4 ACSR	7.31Y	121.9	0.01	3.09	6.08	5	43	12	96	0.00	0.0	8.689	0.051	0	0	0	6
PL.23063	PL.23438	A	#1/0 ACSR	7.31Y	121.9	0.00	3.09	3.25	1	23	6	97	0.00	0.0	8.723	0.034	23	6	2	2
PL.23179	PL.23438	A	#4 ACSR	7.31Y	121.9	0.01	3.11	2.83	2	20	6	96	0.00	0.0	8.820	0.131	5	2	1	4
PL.23065	PL.23179	A	#1/0 ACSR	7.31Y	121.9	0.00	3.11	1.69	1	12	3	97	0.00	0.0	8.856	0.036	12	3	2	2
PL.72556	PL.23065	A	#1/0 ACSR	7.31Y	121.9	0.00	3.11	0.00	0	0	0	100	0.00	0.0	8.906	0.050	0	0	0	0
PL.72557	PL.72556	A	#1/0 ACSR	7.31Y	121.9	0.00	3.11	0.00	0	0	0	100	0.00	0.0	8.960	0.054	0	0	0	0
PL.23064	PL.23179	A	#1/0 ACSR	7.31Y	121.9	0.00	3.11	0.36	0	3	1	95	0.00	0.0	8.838	0.018	3	1	1	1
PL.23062	PL.23437	A	#1/0 ACSR	7.32Y	121.9	0.00	3.08	0.00	0	0	0	100	0.00	0.0	8.661	0.023	0	0	0	0
PL.23325	PL.23436	A	#4 ACSR	7.32Y	121.9	0.00	3.06	1.08	1	8	2	97	0.00	0.0	8.661	0.098	0	0	0	2
PL.23326	PL.23325	A	#4 ACSR	7.32Y	121.9	0.00	3.06	1.08	1	8	2	97	0.00	0.0	8.674	0.013	0	0	0	2
PL.23327	PL.23326	A	#4 ACSR	7.32Y	121.9	0.00	3.06	1.08	1	8	2	97	0.00	0.0	8.737	0.063	0	0	1	2
PL.23328	PL.23327	A	#4 ACSR	7.32Y	121.9	0.00	3.07	1.03	1	7	2	96	0.00	0.0	8.755	0.017	7	2	1	1
PL.23061	PL.23330	A	#4 ACSR	7.32Y	122.0	0.00	3.01	1.19	1	8	2	97	0.00	0.0	8.500	0.055	8	2	2	2
PL.23059	PL.23332	A	#4 ACSR	7.33Y	122.1	0.00	2.86	1.01	1	7	2	96	0.00	0.0	8.279	0.102	7	2	1	1
PL.23819	PL.23339	A	#4 ACSR	7.34Y	122.3	0.01	2.66	4.19	3	30	8	97	0.00	0.0	7.922	0.049	0	0	0	8
PD.3340	PL.23819	A	12T	7.34Y	122.3	0.00	2.66	4.19	0	30	8	97	0.00	0.0	7.922	0.049	0	0	0	8
PL.23820	PD.3340	A	#4 ACSR	7.34Y	122.3	0.01	2.67	4.19	3	30	8	97	0.00	0.0	7.997	0.075	0	0	1	8

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

Balanced Voltage Drop Report
Source: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.23337	PL.23820	A	#4 ACSR	7.34Y	122.3	0.02	2.69	4.18	3	30	8	97	0.00	0.0	8.109	0.111	0	0	0	7
PL.23275	PL.23337	A	#4 ACSR	7.34Y	122.3	0.02	2.71	4.18	3	30	8	97	0.00	0.0	8.208	0.100	0	0	0	7
PL.23055	PL.23275	A	#4 ACSR	7.34Y	122.3	0.02	2.73	4.18	3	30	8	97	0.00	0.0	8.312	0.104	0	0	0	7
PL.23423	PL.23055	A	#4 ACSR	7.34Y	122.3	0.00	2.73	1.61	1	11	3	96	0.00	0.0	8.374	0.061	3	1	1	4
PL.23424	PL.23423	A	#4 ACSR	7.34Y	122.3	0.00	2.73	0.24	0	2	0	100	0.00	0.0	8.517	0.143	0	0	0	2
PL.23058	PL.23424	A	#4 ACSR	7.34Y	122.3	0.00	2.74	0.24	0	2	0	100	0.00	0.0	8.680	0.163	0	0	0	2
PL.23276	PL.23058	A	#4 ACSR	7.34Y	122.3	0.00	2.74	0.24	0	2	0	100	0.00	0.0	8.773	0.094	2	0	1	2
PL.23089	PL.23276	A	#4 ACSR	7.34Y	122.3	0.00	2.74	0.01	0	0	0	100	0.00	0.0	8.902	0.129	0	0	1	1
PL.23057	PL.23423	A	#1/0 ACSR	7.34Y	122.3	0.00	2.73	0.96	0	7	2	96	0.00	0.0	8.379	0.005	0	0	0	1
PL.23817	PL.23057	A	1/0 AL URD	7.34Y	122.3	0.00	2.73	0.96	1	7	2	96	0.00	0.0	8.383	0.005	0	0	0	1
PD.3339	PL.23817	A	8T	7.34Y	122.3	0.00	2.73	0.96	0	7	2	96	0.00	0.0	8.383	0.005	0	0	0	1
PL.23818	PD.3339	A	1/0 AL URD	7.34Y	122.3	0.00	2.73	0.96	1	7	2	96	0.00	0.0	8.398	0.015	7	2	1	1
PL.23335	PL.23055	A	#4 ACSR	7.34Y	122.3	0.00	2.73	2.58	2	18	5	96	0.00	0.0	8.376	0.064	12	3	1	3
PL.23336	PL.23335	A	#4 ACSR	7.34Y	122.3	0.00	2.74	0.83	1	6	2	95	0.00	0.0	8.475	0.099	0	0	0	2
PL.23333	PL.23336	A	#4 ACSR	7.34Y	122.3	0.00	2.74	0.83	1	6	2	95	0.00	0.0	8.587	0.112	2	0	1	2
PL.23334	PL.23333	A	#4 ACSR	7.34Y	122.3	0.00	2.75	0.59	0	4	1	97	0.00	0.0	8.752	0.165	0	0	0	1
PL.23056	PL.23334	A	#1/0 ACSR	7.34Y	122.3	0.00	2.75	0.59	0	4	1	97	0.00	0.0	8.850	0.098	4	1	1	1
PL.21834	PL.23334	A	#4 ACSR	7.34Y	122.3	0.00	2.75	0.00	0	0	0	100	0.00	0.0	8.857	0.105	0	0	0	0
PL.23049	PL.23178	A	#4 ACSR	7.36Y	122.6	0.00	2.39	0.97	1	7	2	96	0.00	0.0	7.626	0.021	7	2	2	2
PL.23052	PL.23177	A	#4 ACSR	7.37Y	122.8	0.00	2.23	0.99	1	7	2	96	0.00	0.0	7.488	0.050	0	0	0	1
PL.23053	PL.23052	A	#1/0 ACSR	7.37Y	122.8	0.00	2.23	0.99	0	7	2	96	0.00	0.0	7.526	0.038	7	2	1	1
PL.23340	PL.23051	A	#4 ACSR	7.37Y	122.9	0.00	2.12	1.15	1	8	2	97	0.00	0.0	7.397	0.063	4	1	1	2
PL.23341	PL.23340	A	#4 ACSR	7.37Y	122.9	0.00	2.12	0.53	0	4	1	97	0.00	0.0	7.414	0.017	4	1	1	1
PL.23849	PL.22991	A	#4 ACSR	7.41Y	123.5	0.00	1.46	0.45	0	3	1	95	0.00	0.0	6.335	0.005	0	0	0	2
PD.3356	PL.23849	A	20T	7.41Y	123.5	0.00	1.46	0.45	0	3	1	95	0.00	0.0	6.335	0.005	0	0	0	2
PL.23850	PD.3356	A	#4 ACSR	7.41Y	123.5	0.00	1.46	0.45	0	3	1	95	0.00	0.0	6.350	0.015	3	1	2	2
PL.23825	PL.22991	C	#4 ACSR	7.41Y	123.5	0.00	1.46	3.62	3	26	7	97	0.00	0.0	6.335	0.005	0	0	0	11
PD.3344	PL.23825	C	20T	7.41Y	123.5	0.00	1.46	3.62	0	26	7	97	0.00	0.0	6.335	0.005	0	0	0	11
PL.23826	PD.3344	C	#4 ACSR	7.41Y	123.5	0.01	1.47	3.62	3	26	7	97	0.00	0.0	6.413	0.078	0	0	0	11
PL.23422	PL.23826	C	6 A (CWC)	7.41Y	123.5	0.02	1.49	3.59	3	26	7	97	0.00	0.0	6.516	0.102	0	0	1	10
PL.22864	PL.23422	C	#2 ACSR	7.41Y	123.5	0.00	1.49	0.03	0	0	0	100	0.00	0.0	6.598	0.082	0	0	1	1

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

Balanced Voltage Drop Report
Source: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.23499	PL.23422	C	6 A (CWC)	7.41Y	123.5	0.01	1.50	3.56	3	25	7	96	0.00	0.0	6.574	0.059	1	0	1	8
PL.23500	PL.23499	C	6 A (CWC)	7.41Y	123.5	0.00	1.50	3.40	2	24	7	96	0.00	0.0	6.596	0.022	0	0	0	7
PL.22866	PL.23500	C	#4 ACSR	7.41Y	123.5	0.00	1.51	1.47	1	10	3	96	0.00	0.0	6.719	0.123	10	3	1	1
PL.23167	PL.23500	C	6 A (CWC)	7.41Y	123.5	0.00	1.51	1.94	1	14	4	96	0.00	0.0	6.639	0.043	0	0	0	6
PL.22867	PL.23167	C	6 A (CWC)	7.41Y	123.5	0.01	1.51	1.94	1	14	4	96	0.00	0.0	6.701	0.062	0	0	0	6
PL.23637	PL.22867	C	#4 ACSR	7.41Y	123.5	0.00	1.51	0.80	1	6	2	95	0.00	0.0	6.840	0.139	3	1	1	3
PL.23638	PL.23637	C	#4 ACSR	7.41Y	123.5	0.00	1.51	0.45	0	3	1	95	0.00	0.0	6.858	0.019	3	1	2	2
PL.23135	PL.22867	C	6 A (CWC)	7.41Y	123.5	0.01	1.52	1.14	1	8	2	97	0.00	0.0	6.840	0.139	0	0	0	3
PL.23305	PL.23135	C	6 A (CWC)	7.41Y	123.5	0.00	1.52	1.14	1	8	2	97	0.00	0.0	6.900	0.060	0	0	0	3
PL.23274	PL.23305	C	6 A (CWC)	7.41Y	123.5	0.00	1.52	1.14	1	8	2	97	0.00	0.0	6.973	0.073	7	2	2	3
PL.23136	PL.23274	C	#4 ACSR	7.41Y	123.5	0.00	1.52	0.21	0	1	0	100	0.00	0.0	7.013	0.040	1	0	1	1
PL.22865	PL.23826	C	#4 ACSR	7.41Y	123.5	0.00	1.47	0.03	0	0	0	100	0.00	0.0	6.546	0.133	0	0	1	1
PL.23709	PL.23890	C	#2 ACSR	7.43Y	123.8	0.00	1.19	0.94	1	7	2	96	0.00	0.0	5.833	0.005	0	0	0	1
PD.3284	PL.23709	C	30T	7.43Y	123.8	0.00	1.19	0.94	0	7	2	96	0.00	0.0	5.833	0.005	0	0	0	1
PL.23710	PD.3284	C	#2 ACSR	7.43Y	123.8	0.00	1.19	0.94	1	7	2	96	0.00	0.0	5.876	0.043	7	2	1	1
CP.35	PL.23889	ABC	Cap (300)	7.44Y	123.9	0.00	1.08	0.00	0	0	0	100	0.00	0.0	5.724	0.043	0	0	0	0
PL.23701	PL.23523	A	6 A (CWC)	7.22Y	120.3	0.00	4.70	4.77	3	33	9	96	0.00	0.0	4.628	0.005	0	0	0	6
PD.3280	PL.23701	A	30T	7.22Y	120.3	0.00	4.70	4.77	0	33	9	96	0.00	0.0	4.628	0.005	0	0	0	6
PL.23702	PD.3280	A	6 A (CWC)	7.22Y	120.3	0.03	4.72	4.77	3	33	9	96	0.01	0.0	4.758	0.129	7	2	2	6
PL.23421	PL.23702	A	6 A (CWC)	7.22Y	120.3	0.01	4.73	3.70	3	26	7	97	0.00	0.0	4.796	0.039	3	1	2	4
PL.23707	PL.23421	A	6 A (CWC)	7.22Y	120.3	0.00	4.73	0.16	0	1	0	100	0.00	0.0	4.801	0.005	0	0	0	1
PD.3283	PL.23707	A	20T	7.22Y	120.3	0.00	4.73	0.16	0	1	0	100	0.00	0.0	4.801	0.005	0	0	0	1
PL.23708	PD.3283	A	6 A (CWC)	7.22Y	120.3	0.00	4.73	0.16	0	1	0	100	0.00	0.0	4.844	0.043	1	0	1	1
PL.22856	PL.23708	A	6 A (CWC)	7.22Y	120.3	0.00	4.73	0.00	0	0	0	100	0.00	0.0	4.923	0.079	0	0	0	0
PL.23265	PL.22856	A	6 A (CWC)	7.22Y	120.3	0.00	4.73	0.00	0	0	0	100	0.00	0.0	5.012	0.088	0	0	0	0
PL.23266	PL.23265	A	6 A (CWC)	7.22Y	120.3	0.00	4.73	0.00	0	0	0	100	0.00	0.0	5.145	0.134	0	0	0	0
PL.22855	PL.23421	A	6 A (CWC)	7.22Y	120.3	0.00	4.73	3.13	2	22	6	96	0.00	0.0	4.848	0.052	22	6	1	1
PL.23831	PL.23523	C	6 A (CWC)	7.22Y	120.3	0.00	4.70	1.80	1	12	4	95	0.00	0.0	4.628	0.005	0	0	0	7
PD.3347	PL.23831	C	30T	7.22Y	120.3	0.00	4.70	1.80	0	12	4	95	0.00	0.0	4.628	0.005	0	0	0	7
PL.23832	PD.3347	C	6 A (CWC)	7.22Y	120.3	0.00	4.70	1.80	1	12	4	95	0.00	0.0	4.682	0.054	0	0	0	7
PL.23524	PL.23832	C	6 A (CWC)	7.22Y	120.3	0.00	4.70	1.73	1	12	3	97	0.00	0.0	4.733	0.051	4	1	1	6

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

Balanced Voltage Drop Report
Source: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.23525	PL.23524	C	6 A (CWC)	7.22Y	120.3	0.00	4.71	1.18	1	8	2	97	0.00	0.0	4.774	0.041	6	2	2	5
PL.23703	PL.23525	C	350 MCM AL	7.22Y	120.3	0.00	4.71	0.13	0	1	0	100	0.00	0.0	4.779	0.005	0	0	0	1
PD.3281	PL.23703	C	20T	7.22Y	120.3	0.00	4.71	0.13	0	1	0	100	0.00	0.0	4.779	0.005	0	0	0	1
PL.23704	PD.3281	C	350 MCM AL	7.22Y	120.3	0.00	4.71	0.13	0	1	0	100	0.00	0.0	4.789	0.010	1	0	1	1
PL.22854	PL.23525	C	#4 ACSR	7.22Y	120.3	0.00	4.71	0.21	0	1	0	100	0.00	0.0	4.797	0.023	1	0	2	2
PL.22852	PL.23832	C	#1/0 ACSR	7.22Y	120.3	0.00	4.70	0.07	0	0	0	100	0.00	0.0	4.702	0.020	0	0	0	1
PL.23699	PL.22852	C	1/0 AL URD	7.22Y	120.3	0.00	4.70	0.07	0	0	0	100	0.00	0.0	4.706	0.005	0	0	0	1
PD.3279	PL.23699	C	20T	7.22Y	120.3	0.00	4.70	0.07	0	0	0	100	0.00	0.0	4.706	0.005	0	0	0	1
PL.23700	PD.3279	C	1/0 AL URD	7.22Y	120.3	0.00	4.70	0.07	0	0	0	100	0.00	0.0	4.726	0.019	0	0	1	1
PL.23677	PL.23435	A	#1/0 ACSR	7.28Y	121.3	0.00	3.68	0.17	0	1	0	100	0.00	0.0	3.448	0.005	0	0	0	1
PD.3268	PL.23677	A	30T	7.28Y	121.3	0.00	3.68	0.17	0	1	0	100	0.00	0.0	3.448	0.005	0	0	0	1
PL.23678	PD.3268	A	#1/0 ACSR	7.28Y	121.3	0.00	3.68	0.17	0	1	0	100	0.00	0.0	3.486	0.038	1	0	1	1
PL.23673	PL.23484	A	#4 ACSR	7.33Y	122.2	0.00	2.78	0.40	0	3	1	95	0.00	0.0	2.436	0.005	0	0	0	3
PD.3266	PL.23673	A	30T	7.33Y	122.2	0.00	2.78	0.40	0	3	1	95	0.00	0.0	2.436	0.005	0	0	0	3
PL.23674	PD.3266	A	#4 ACSR	7.33Y	122.2	0.00	2.78	0.40	0	3	1	95	0.00	0.0	2.520	0.084	3	1	3	3
PL.23669	PL.23163	C	6 A (CWC)	7.35Y	122.4	0.00	2.56	0.31	0	2	1	89	0.00	0.0	2.199	0.005	0	0	0	1
PD.3264	PL.23669	C	30T	7.35Y	122.4	0.00	2.56	0.31	0	2	1	89	0.00	0.0	2.199	0.005	0	0	0	1
PL.23670	PD.3264	C	6 A (CWC)	7.35Y	122.4	0.00	2.56	0.31	0	2	1	89	0.00	0.0	2.259	0.060	2	1	1	1
PL.23671	PL.23882	C	6 A (CWC)	7.35Y	122.5	0.00	2.49	0.01	0	0	0	100	0.00	0.0	2.116	0.005	0	0	0	1
PD.3265	PL.23671	C	30T	7.35Y	122.5	0.00	2.49	0.01	0	0	0	100	0.00	0.0	2.116	0.005	0	0	0	1
PL.23672	PD.3265	C	6 A (CWC)	7.35Y	122.5	0.00	2.49	0.01	0	0	0	100	0.00	0.0	2.196	0.080	0	0	1	1
PL.23665	PL.23450	A	6 A (CWC)	7.36Y	122.7	0.00	2.32	2.97	2	21	6	96	0.00	0.0	1.925	0.005	0	0	0	6
PD.3262	PL.23665	A	50T	7.36Y	122.7	0.00	2.32	2.97	0	21	6	96	0.00	0.0	1.925	0.005	0	0	0	6
PL.23666	PD.3262	A	6 A (CWC)	7.36Y	122.7	0.02	2.33	2.97	2	21	6	96	0.00	0.0	2.044	0.119	0	0	0	6
PL.23259	PL.23666	A	6 A (CWC)	7.36Y	122.7	0.01	2.34	2.97	2	21	6	96	0.00	0.0	2.122	0.078	0	0	0	6
PL.23162	PL.23259	A	6 A (CWC)	7.36Y	122.7	0.01	2.35	2.38	2	17	5	96	0.00	0.0	2.186	0.064	0	0	0	5
PL.23487	PL.23162	A	#4 ACSR	7.36Y	122.6	0.00	2.35	1.33	1	9	3	95	0.00	0.0	2.247	0.061	0	0	2	4
PL.23488	PL.23487	A	#4 ACSR	7.36Y	122.6	0.00	2.35	1.32	1	9	3	95	0.00	0.0	2.287	0.040	9	3	2	2
PL.22846	PL.23162	A	#2 ACSR	7.36Y	122.7	0.00	2.35	1.05	1	7	2	96	0.00	0.0	2.230	0.044	7	2	1	1
PL.22847	PL.23259	A	#1/0 ACSR	7.36Y	122.7	0.00	2.34	0.59	0	4	1	97	0.00	0.0	2.160	0.038	4	1	1	1
PL.22845	PL.23145	ABC	#1/0 ACSR	7.38Y	123.0	0.06	1.98	23.22	10	495	141	96	0.21	0.0	1.641	0.149	0	0	0	167

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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.23639	PL.22845	ABC	#1/0 ACSR	7.38Y	123.0	0.03	2.01	23.22	10	494	141	96	0.10	0.0	1.712	0.072	6	2	1	167
PL.23640	PL.23639	ABC	#1/0 ACSR	7.38Y	123.0	0.03	2.04	22.92	10	488	139	96	0.11	0.0	1.792	0.080	0	0	0	166
PL.23212	PL.23640	ABC	#1/0 ACSR	7.38Y	122.9	0.04	2.08	22.92	10	488	139	96	0.13	0.0	1.886	0.094	0	0	0	166
PL.23879	PL.23212	ABC	#1/0 ACSR	7.37Y	122.9	0.05	2.13	22.92	10	488	139	96	0.17	0.0	2.011	0.125	0	0	0	166
PD.3372	PL.23879	ABC	50L	7.37Y	122.9	0.00	2.13	22.92	46	487	139	96	0.00	0.0	2.011	0.125	0	0	0	166
PL.23880	PD.3372	ABC	#1/0 ACSR	7.37Y	122.8	0.05	2.19	22.92	10	487	139	96	0.18	0.0	2.139	0.128	0	0	1	166
PL.23538	PL.23880	ABC	#1/0 ACSR	7.37Y	122.8	0.05	2.24	22.92	10	487	139	96	0.16	0.0	2.257	0.118	7	2	2	165
PL.23539	PL.23538	ABC	#1/0 ACSR	7.36Y	122.7	0.04	2.27	22.60	10	480	137	96	0.12	0.0	2.348	0.092	2	1	1	163
PL.23719	PL.23539	C	#1/0 ACSR	7.36Y	122.7	0.00	2.27	2.35	1	17	5	96	0.00	0.0	2.353	0.005	0	0	0	2
PD.3289	PL.23719	C	20T	7.36Y	122.7	0.00	2.27	2.35	0	17	5	96	0.00	0.0	2.353	0.005	0	0	0	2
PL.23720	PD.3289	C	#1/0 ACSR	7.36Y	122.7	0.00	2.27	2.35	1	17	5	96	0.00	0.0	2.385	0.032	17	5	2	2
PL.23449	PL.23539	ABC	#1/0 ACSR	7.36Y	122.7	0.07	2.35	21.71	9	461	131	96	0.23	0.0	2.531	0.183	0	0	1	160
PL.23448	PL.23449	ABC	#1/0 ACSR	7.36Y	122.6	0.07	2.41	21.33	9	453	129	96	0.21	0.0	2.707	0.176	0	0	0	158
PL.22876	PL.23448	ABC	#1/0 ACSR	7.36Y	122.6	0.00	2.42	21.33	9	453	129	96	0.01	0.0	2.715	0.008	0	0	0	158
PL.23723	PL.22876	A	6 A (CWC)	7.36Y	122.6	0.00	2.42	0.70	0	5	1	98	0.00	0.0	2.720	0.005	0	0	0	2
PD.3291	PL.23723	A	20T	7.36Y	122.6	0.00	2.42	0.70	0	5	1	98	0.00	0.0	2.720	0.005	0	0	0	2
PL.23724	PD.3291	A	6 A (CWC)	7.35Y	122.6	0.00	2.42	0.70	0	5	1	98	0.00	0.0	2.798	0.078	1	0	1	2
PL.22877	PL.23724	A	#2 ACSR	7.35Y	122.6	0.00	2.42	0.63	0	4	1	97	0.00	0.0	2.845	0.047	4	1	1	1
PL.23146	PL.22876	ABC	#1/0 ACSR	7.35Y	122.5	0.06	2.47	21.10	9	448	127	96	0.17	0.0	2.860	0.145	0	0	0	156
PL.23540	PL.23146	ABC	#1/0 ACSR	7.35Y	122.5	0.01	2.48	20.77	9	441	125	96	0.02	0.0	2.880	0.019	0	0	0	154
PL.23541	PL.23540	ABC	#1/0 ACSR	7.35Y	122.5	0.03	2.51	20.77	9	441	125	96	0.08	0.0	2.951	0.071	9	2	3	154
PL.23543	PL.23541	ABC	#1/0 ACSR	7.35Y	122.4	0.05	2.56	20.36	9	432	122	96	0.15	0.0	3.088	0.137	1	0	1	151
PL.23544	PL.23543	ABC	#1/0 ACSR	7.35Y	122.4	0.02	2.58	20.33	9	431	122	96	0.07	0.0	3.154	0.066	0	0	1	150
PL.23837	PL.23544	A	#4 ACSR	7.35Y	122.4	0.00	2.58	1.46	1	10	3	96	0.00	0.0	3.159	0.005	0	0	0	1
PD.3350	PL.23837	A	20T	7.35Y	122.4	0.00	2.58	1.46	0	10	3	96	0.00	0.0	3.159	0.005	0	0	0	1
PL.23838	PD.3350	A	#4 ACSR	7.35Y	122.4	0.00	2.58	1.46	1	10	3	96	0.00	0.0	3.199	0.040	10	3	1	1
PL.23727	PL.23544	C	6 A (CWC)	7.35Y	122.4	0.00	2.58	0.44	0	3	1	95	0.00	0.0	3.159	0.005	0	0	0	2
PD.3293	PL.23727	C	20T	7.35Y	122.4	0.00	2.58	0.44	0	3	1	95	0.00	0.0	3.159	0.005	0	0	0	2
PL.23728	PD.3293	C	6 A (CWC)	7.35Y	122.4	0.00	2.58	0.44	0	3	1	95	0.00	0.0	3.298	0.140	0	0	0	2
PL.22879	PL.23728	C	#4 ACSR	7.34Y	122.4	0.00	2.58	0.43	0	3	1	95	0.00	0.0	3.400	0.102	3	1	1	1
PL.22880	PL.23728	C	#4 ACSR	7.35Y	122.4	0.00	2.58	0.00	0	0	0	100	0.00	0.0	3.364	0.066	0	0	1	1

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

Balanced Voltage Drop Report
Source: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.23545	PL.23544	ABC	#1/0 ACSR	7.34Y	122.4	0.03	2.61	19.67	9	417	118	96	0.09	0.0	3.242	0.088	1	0	1	145
PL.23546	PL.23545	ABC	#1/0 ACSR	7.34Y	122.4	0.04	2.65	19.60	9	415	118	96	0.10	0.0	3.345	0.102	17	5	3	144
PL.23731	PL.23546	A	#4 ACSR	7.34Y	122.4	0.00	2.65	0.75	1	5	1	98	0.00	0.0	3.349	0.005	0	0	0	1
PD.3295	PL.23731	A	20T	7.34Y	122.4	0.00	2.65	0.75	0	5	1	98	0.00	0.0	3.349	0.005	0	0	0	1
PL.23732	PD.3295	A	#4 ACSR	7.34Y	122.4	0.00	2.65	0.75	1	5	1	98	0.00	0.0	3.432	0.083	5	1	1	1
PL.23446	PL.23546	ABC	#1/0 ACSR	7.34Y	122.3	0.04	2.69	18.55	8	393	111	96	0.11	0.0	3.470	0.125	5	1	1	140
PL.23547	PL.23446	ABC	#1/0 ACSR	7.34Y	122.3	0.01	2.70	18.12	8	384	109	96	0.03	0.0	3.500	0.030	3	1	1	138
PL.23548	PL.23547	ABC	#1/0 ACSR	7.34Y	122.3	0.03	2.73	17.98	8	381	108	96	0.08	0.0	3.593	0.093	1	0	1	137
PL.23733	PL.23548	C	#4 ACSR	7.34Y	122.3	0.00	2.73	0.95	1	7	2	96	0.00	0.0	3.598	0.005	0	0	0	2
PD.3296	PL.23733	C	20T	7.34Y	122.3	0.00	2.73	0.95	0	7	2	96	0.00	0.0	3.598	0.005	0	0	0	2
PL.23734	PD.3296	C	#4 ACSR	7.34Y	122.3	0.00	2.73	0.95	1	7	2	96	0.00	0.0	3.679	0.081	7	2	2	2
PL.23439	PL.23548	ABC	#1/0 ACSR	7.33Y	122.2	0.03	2.76	17.63	8	373	106	96	0.08	0.0	3.695	0.101	2	1	1	134
PL.23729	PL.23439	A	#4 ACSR	7.33Y	122.2	0.00	2.76	4.16	3	29	8	96	0.00	0.0	3.699	0.005	0	0	0	10
PD.3294	PL.23729	A	20T	7.33Y	122.2	0.00	2.76	4.16	0	29	8	96	0.00	0.0	3.699	0.005	0	0	0	10
PL.23730	PD.3294	A	#4 ACSR	7.33Y	122.2	0.02	2.79	4.16	3	29	8	96	0.01	0.0	3.827	0.128	0	0	0	10
PL.23215	PL.23730	A	#4 ACSR	7.33Y	122.2	0.02	2.80	4.16	3	29	8	96	0.00	0.0	3.921	0.095	0	0	0	10
PL.22882	PL.23215	A	#4 ACSR	7.33Y	122.2	0.02	2.83	4.16	3	29	8	96	0.01	0.0	4.043	0.121	0	0	0	10
PL.22883	PL.22882	A	#4 ACSR	7.33Y	122.2	0.02	2.84	4.16	3	29	8	96	0.00	0.0	4.144	0.102	0	0	0	10
PL.23216	PL.22883	A	#4 ACSR	7.33Y	122.1	0.03	2.87	4.16	3	29	8	96	0.01	0.0	4.303	0.159	0	0	0	10
PL.23542	PL.23216	A	#4 ACSR	7.33Y	122.1	0.02	2.90	4.16	3	29	8	96	0.00	0.0	4.422	0.118	0	0	1	10
PL.23554	PL.23542	A	#4 ACSR	7.32Y	122.1	0.03	2.92	4.15	3	29	8	96	0.01	0.0	4.582	0.160	4	1	1	9
PL.23555	PL.23554	A	#4 ACSR	7.32Y	122.1	0.01	2.94	3.61	3	25	7	96	0.00	0.0	4.669	0.087	0	0	0	8
PL.23217	PL.23555	A	#4 ACSR	7.32Y	122.0	0.02	2.96	3.61	3	25	7	96	0.00	0.0	4.789	0.120	0	0	0	8
PL.23147	PL.23217	A	#4 ACSR	7.32Y	122.0	0.01	2.97	2.97	2	21	6	96	0.00	0.0	4.887	0.098	0	0	0	7
PL.23218	PL.23147	A	#4 ACSR	7.32Y	122.0	0.02	2.99	2.97	2	21	6	96	0.00	0.0	5.006	0.119	0	0	0	7
PL.23148	PL.23218	A	#4 ACSR	7.32Y	122.0	0.00	2.99	1.30	1	9	3	95	0.00	0.0	5.034	0.029	0	0	0	4
PL.22889	PL.23148	A	#4 ACSR	7.32Y	122.0	0.00	2.99	1.00	1	7	2	96	0.00	0.0	5.091	0.057	0	0	0	3
PL.22891	PL.22889	A	#2 ACSR	7.32Y	122.0	0.00	2.99	1.00	1	7	2	96	0.00	0.0	5.173	0.082	0	0	0	3
PL.23149	PL.22891	A	#2 ACSR	7.32Y	122.0	0.00	3.00	0.64	0	5	1	98	0.00	0.0	5.355	0.182	0	0	0	2
PL.22894	PL.23149	A	#2 ACSR	7.32Y	122.0	0.00	3.00	0.06	0	0	0	100	0.00	0.0	5.524	0.170	0	0	1	1
PL.22893	PL.23149	A	#2 ACSR	7.32Y	122.0	0.00	3.00	0.58	0	4	1	97	0.00	0.0	5.395	0.040	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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.22895	PL.22893	A	#1/0 ACSR	7.32Y	122.0	0.00	3.00	0.58	0	4	1	97	0.00	0.0	5.427	0.032	4	1	1	1
PL.22892	PL.22891	A	#2 ACSR	7.32Y	122.0	0.00	2.99	0.35	0	2	1	89	0.00	0.0	5.276	0.103	2	1	1	1
PL.22890	PL.23148	A	#4 ACSR	7.32Y	122.0	0.00	2.99	0.30	0	2	1	89	0.00	0.0	5.110	0.075	0	0	0	1
PL.23222	PL.22890	A	#4 ACSR	7.32Y	122.0	0.00	2.99	0.30	0	2	1	89	0.00	0.0	5.253	0.144	2	1	1	1
PL.22885	PL.23218	A	#4 ACSR	7.32Y	122.0	0.00	2.99	1.66	1	12	3	97	0.00	0.0	5.026	0.020	0	0	0	3
PL.23741	PL.22885	A	#1/0 ACSR	7.32Y	122.0	0.00	2.99	1.17	1	8	2	97	0.00	0.0	5.069	0.043	0	0	0	2
PD.3300	PL.23741	A	12T	7.32Y	122.0	0.00	2.99	1.17	0	8	2	97	0.00	0.0	5.069	0.043	0	0	0	2
PL.23742	PD.3300	A	#1/0 ACSR	7.32Y	122.0	0.00	2.99	1.17	1	8	2	97	0.00	0.0	5.176	0.107	0	0	0	2
PL.22888	PL.23742	A	#1/0 ACSR	7.32Y	122.0	0.00	2.99	1.17	1	8	2	97	0.00	0.0	5.299	0.123	0	0	0	2
PL.23219	PL.22888	A	#1/0 ACSR	7.32Y	122.0	0.00	3.00	1.17	1	8	2	97	0.00	0.0	5.389	0.090	0	0	0	2
PL.23220	PL.23219	A	#1/0 ACSR	7.32Y	122.0	0.00	3.00	1.17	1	8	2	97	0.00	0.0	5.475	0.086	0	0	0	2
PL.23556	PL.23220	A	#1/0 ACSR	7.32Y	122.0	0.00	3.00	1.17	1	8	2	97	0.00	0.0	5.604	0.129	0	0	1	2
PL.23557	PL.23556	A	#1/0 ACSR	7.32Y	122.0	0.00	3.01	1.17	1	8	2	97	0.00	0.0	5.741	0.138	0	0	0	1
PL.23221	PL.23557	A	#1/0 ACSR	7.32Y	122.0	0.00	3.01	1.17	1	8	2	97	0.00	0.0	5.856	0.114	8	2	1	1
PL.22886	PL.22885	A	#2 ACSR	7.32Y	122.0	0.00	2.99	0.49	0	3	1	95	0.00	0.0	5.095	0.069	3	1	1	1
PL.22887	PL.22885	A	#2 ACSR	7.32Y	122.0	0.00	2.99	0.00	0	0	0	100	0.00	0.0	5.076	0.050	0	0	0	0
PL.22884	PL.23217	A	#1/0 ACSR	7.32Y	122.0	0.00	2.96	0.64	0	5	1	98	0.00	0.0	4.808	0.019	5	1	1	1
PL.23549	PL.23439	ABC	#1/0 ACSR	7.33Y	122.2	0.03	2.79	16.15	7	342	97	96	0.06	0.0	3.782	0.088	17	5	2	123
PL.23550	PL.23549	ABC	#1/0 ACSR	7.33Y	122.2	0.02	2.81	15.33	7	324	92	96	0.04	0.0	3.852	0.069	14	4	2	121
PL.23551	PL.23550	ABC	#1/0 ACSR	7.33Y	122.2	0.02	2.83	14.69	6	311	88	96	0.04	0.0	3.927	0.075	0	0	0	119
PL.23737	PL.23551	C	#2 ACSR	7.33Y	122.2	0.00	2.83	0.99	1	7	2	96	0.00	0.0	3.932	0.004	0	0	0	1
PD.3298	PL.23737	C	20T	7.33Y	122.2	0.00	2.83	0.99	0	7	2	96	0.00	0.0	3.932	0.004	0	0	0	1
PL.23738	PD.3298	C	#2 ACSR	7.33Y	122.2	0.00	2.83	0.99	1	7	2	96	0.00	0.0	3.955	0.023	7	2	1	1
PL.23432	PL.23551	ABC	#1/0 ACSR	7.33Y	122.2	0.01	2.83	14.36	6	304	86	96	0.02	0.0	3.955	0.028	4	1	1	118
PL.23433	PL.23432	ABC	#1/0 ACSR	7.33Y	122.2	0.01	2.84	7.92	3	167	48	96	0.01	0.0	4.020	0.064	3	1	1	62
PL.23871	PL.23433	A	#1/0 ACSR	7.33Y	122.2	0.00	2.84	23.29	10	164	47	96	0.00	0.0	4.022	0.003	0	0	0	61
PD.3368	PL.23871	A	35L	7.33Y	122.2	0.00	2.84	23.29	67	164	47	96	0.00	0.0	4.022	0.003	0	0	0	61
PL.23872	PD.3368	A	#1/0 ACSR	7.33Y	122.1	0.03	2.88	23.29	10	164	47	96	0.04	0.0	4.084	0.061	9	3	1	61
PL.23552	PL.23872	A	#1/0 ACSR	7.33Y	122.1	0.03	2.91	22.01	10	155	44	96	0.03	0.0	4.148	0.065	9	3	1	60
PL.23553	PL.23552	A	#1/0 ACSR	7.32Y	122.1	0.02	2.93	20.69	9	146	41	96	0.01	0.0	4.179	0.030	0	0	0	59
PL.22909	PL.23553	A	6 A (CWC)	7.32Y	122.1	0.00	2.93	1.01	1	7	2	96	0.00	0.0	4.220	0.041	7	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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.23558	PL.23553	A	#1/0 ACSR	7.32Y	122.1	0.01	2.94	19.68	9	139	39	96	0.01	0.0	4.201	0.022	5	1	1	57
PL.23559	PL.23558	A	#1/0 ACSR	7.32Y	122.0	0.05	2.99	18.97	8	134	38	96	0.04	0.0	4.311	0.110	4	1	1	56
PL.23434	PL.23559	A	#1/0 ACSR	7.32Y	122.0	0.04	3.03	15.88	7	112	32	96	0.03	0.0	4.425	0.115	3	1	1	53
PL.22911	PL.23434	A	#1/0 ACSR	7.32Y	121.9	0.05	3.08	15.46	7	109	31	96	0.04	0.0	4.561	0.135	0	0	0	51
PL.23560	PL.22911	A	#1/0 ACSR	7.31Y	121.9	0.02	3.10	15.17	7	107	30	96	0.02	0.0	4.622	0.061	2	1	1	50
PL.23561	PL.23560	A	#1/0 ACSR	7.31Y	121.9	0.02	3.12	14.89	6	105	30	96	0.01	0.0	4.672	0.050	0	0	0	49
PL.23154	PL.23561	A	6 A (CWC)	7.31Y	121.9	0.00	3.12	0.70	1	5	1	98	0.00	0.0	4.741	0.069	0	0	1	2
PL.22913	PL.23154	A	6 A (CWC)	7.31Y	121.9	0.01	3.13	0.70	0	5	1	98	0.00	0.0	4.915	0.174	0	0	0	1
PL.23238	PL.22913	A	6 A (CWC)	7.31Y	121.9	0.00	3.13	0.70	0	5	1	98	0.00	0.0	5.023	0.108	0	0	0	1
PL.22918	PL.23238	A	6 A (CWC)	7.31Y	121.9	0.00	3.13	0.70	0	5	1	98	0.00	0.0	5.121	0.098	0	0	0	1
PL.23239	PL.22918	A	6 A (CWC)	7.31Y	121.9	0.00	3.14	0.70	0	5	1	98	0.00	0.0	5.264	0.143	0	0	0	1
PL.22917	PL.23239	A	#4 ACSR	7.31Y	121.9	0.00	3.14	0.70	1	5	1	98	0.00	0.0	5.452	0.187	5	1	1	1
PL.22914	PL.23561	A	#1/0 ACSR	7.31Y	121.8	0.04	3.16	14.19	6	100	28	96	0.03	0.0	4.793	0.121	0	0	0	47
PL.23240	PL.22914	A	#1/0 ACSR	7.31Y	121.8	0.05	3.22	14.19	6	100	28	96	0.04	0.0	4.949	0.156	0	0	0	47
PL.23155	PL.23240	A	#1/0 ACSR	7.31Y	121.8	0.01	3.23	13.50	6	95	27	96	0.01	0.0	4.983	0.033	0	0	0	46
PL.22916	PL.23155	A	#1/0 ACSR	7.30Y	121.7	0.03	3.26	13.50	6	95	27	96	0.02	0.0	5.078	0.096	0	0	0	46
PL.23241	PL.22916	A	#1/0 ACSR	7.30Y	121.7	0.04	3.30	13.50	6	95	27	96	0.03	0.0	5.213	0.135	0	0	0	46
PL.22919	PL.23241	A	#1/0 ACSR	7.30Y	121.7	0.01	3.31	13.50	6	95	27	96	0.01	0.0	5.253	0.040	0	0	0	46
PL.23242	PL.22919	A	#1/0 ACSR	7.30Y	121.6	0.07	3.39	13.50	6	95	27	96	0.05	0.0	5.476	0.223	0	0	0	46
PL.22922	PL.23242	A	#1/0 ACSR	7.29Y	121.6	0.03	3.42	13.23	6	93	26	96	0.02	0.0	5.572	0.096	0	0	0	45
PL.23243	PL.22922	A	#1/0 ACSR	7.29Y	121.6	0.03	3.45	13.23	6	93	26	96	0.02	0.0	5.666	0.094	2	1	3	45
PL.23444	PL.23243	A	6 A (CWC)	7.29Y	121.5	0.00	3.45	0.85	1	6	2	95	0.00	0.0	5.819	0.153	2	1	4	8
PL.23564	PL.23444	A	6 A (CWC)	7.29Y	121.5	0.00	3.45	0.09	0	1	0	100	0.00	0.0	5.900	0.081	0	0	0	2
PL.23565	PL.23564	A	6 A (CWC)	7.29Y	121.5	0.00	3.45	0.09	0	1	0	100	0.00	0.0	5.933	0.033	0	0	0	2
PL.22920	PL.23565	A	#4 ACSR	7.29Y	121.5	0.00	3.45	0.00	0	0	0	100	0.00	0.0	6.017	0.084	0	0	1	1
PL.23156	PL.23565	A	6 A (CWC)	7.29Y	121.5	0.00	3.45	0.09	0	1	0	100	0.00	0.0	6.070	0.137	0	0	0	1
PL.23244	PL.23156	A	6 A (CWC)	7.29Y	121.5	0.00	3.45	0.09	0	1	0	100	0.00	0.0	6.143	0.073	1	0	1	1
PL.23570	PL.23244	A	#4 ACSR	7.29Y	121.5	0.00	3.45	0.00	0	0	0	100	0.00	0.0	6.192	0.049	0	0	0	0
PL.23571	PL.23570	A	#4 ACSR	7.29Y	121.5	0.00	3.45	0.00	0	0	0	100	0.00	0.0	6.332	0.140	0	0	0	0
PL.23245	PL.23571	A	#4 ACSR	7.29Y	121.5	0.00	3.45	0.00	0	0	0	100	0.00	0.0	6.459	0.127	0	0	0	0
PL.23445	PL.23444	A	6 A (CWC)	7.29Y	121.5	0.00	3.45	0.44	0	3	1	95	0.00	0.0	5.897	0.078	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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.22921	PL.23243	A	#1/0 ACSR	7.29Y	121.5	0.05	3.50	12.11	5	85	24	96	0.03	0.0	5.850	0.184	0	0	0	34
PL.23246	PL.22921	A	#1/0 ACSR	7.29Y	121.5	0.03	3.53	12.11	5	85	24	96	0.02	0.0	5.949	0.099	0	0	0	34
PL.23247	PL.23246	A	#1/0 ACSR	7.29Y	121.4	0.03	3.56	12.11	5	85	24	96	0.02	0.0	6.047	0.098	0	0	0	34
PL.23157	PL.23247	A	#1/0 ACSR	7.29Y	121.4	0.02	3.58	12.11	5	85	24	96	0.01	0.0	6.126	0.079	0	0	0	32
PL.22925	PL.23157	A	#4 ACSR	7.28Y	121.4	0.00	3.58	0.57	0	4	1	97	0.00	0.0	6.222	0.097	4	1	2	2
PL.22926	PL.23157	A	#1/0 ACSR	7.28Y	121.4	0.06	3.65	11.54	5	81	23	96	0.03	0.0	6.358	0.232	0	0	0	30
PL.23745	PL.22926	A	#4 ACSR	7.28Y	121.4	0.00	3.65	1.21	1	8	2	97	0.00	0.0	6.363	0.005	0	0	0	3
PD.3302	PL.23745	A	15T	7.28Y	121.4	0.00	3.65	1.21	0	8	2	97	0.00	0.0	6.363	0.005	0	0	0	3
PL.23746	PD.3302	A	#4 ACSR	7.28Y	121.3	0.00	3.65	1.21	1	8	2	97	0.00	0.0	6.481	0.118	5	1	1	3
PL.23566	PL.23746	A	#4 ACSR	7.28Y	121.3	0.00	3.65	0.45	0	3	1	95	0.00	0.0	6.572	0.091	1	0	1	2
PL.23743	PL.23566	A	#4 ACSR	7.28Y	121.3	0.00	3.65	0.36	0	3	1	95	0.00	0.0	6.576	0.005	0	0	0	1
PD.3301	PL.23743	A	10T	7.28Y	121.3	0.00	3.65	0.36	0	3	1	95	0.00	0.0	6.576	0.005	0	0	0	1
PL.23744	PD.3301	A	#4 ACSR	7.28Y	121.3	0.00	3.66	0.36	0	3	1	95	0.00	0.0	6.696	0.120	0	0	0	1
PL.23248	PL.23744	A	#4 ACSR	7.28Y	121.3	0.00	3.66	0.36	0	3	1	95	0.00	0.0	6.841	0.145	0	0	0	1
PL.23249	PL.23248	A	#4 ACSR	7.28Y	121.3	0.00	3.66	0.36	0	3	1	95	0.00	0.0	6.980	0.139	0	0	0	1
PL.22928	PL.23249	A	#1/0 ACSR	7.28Y	121.3	0.00	3.66	0.36	0	3	1	95	0.00	0.0	7.051	0.071	3	1	1	1
PL.22927	PL.22926	A	#1/0 ACSR	7.28Y	121.3	0.02	3.67	10.34	4	72	20	96	0.01	0.0	6.460	0.102	5	2	1	27
PL.22929	PL.22927	A	#1/0 ACSR	7.28Y	121.3	0.02	3.69	8.41	4	59	17	96	0.01	0.0	6.558	0.099	0	0	0	24
PL.23250	PL.22929	A	#1/0 ACSR	7.28Y	121.3	0.03	3.72	8.41	4	59	17	96	0.01	0.0	6.682	0.124	0	0	0	24
PL.22931	PL.23250	A	#1/0 ACSR	7.28Y	121.3	0.00	3.72	8.41	4	59	17	96	0.00	0.0	6.693	0.011	0	0	0	24
PL.22932	PL.22931	A	#1/0 ACSR	7.28Y	121.3	0.00	3.72	0.54	0	4	1	97	0.00	0.0	6.729	0.036	4	1	2	2
PL.23158	PL.22931	A	#1/0 ACSR	7.28Y	121.3	0.03	3.75	7.87	3	55	16	96	0.01	0.0	6.853	0.160	0	0	1	22
PL.22933	PL.23158	A	#1/0 ACSR	7.27Y	121.2	0.03	3.77	7.56	3	53	15	96	0.01	0.0	6.990	0.137	0	0	0	19
PL.22934	PL.22933	A	#1/0 ACSR	7.27Y	121.2	0.01	3.78	7.56	3	53	15	96	0.00	0.0	7.052	0.061	8	2	3	19
PL.22935	PL.22934	A	#4 ACSR	7.27Y	121.2	0.00	3.78	0.00	0	0	0	100	0.00	0.0	7.063	0.011	0	0	0	0
PL.22936	PL.22934	A	#1/0 ACSR	7.27Y	121.2	0.01	3.80	6.46	3	45	13	96	0.00	0.0	7.135	0.083	0	0	0	16
PL.23572	PL.22936	A	#1/0 ACSR	7.27Y	121.2	0.02	3.82	6.46	3	45	13	96	0.01	0.0	7.284	0.149	0	0	0	16
PL.23573	PL.23572	A	#1/0 ACSR	7.27Y	121.2	0.01	3.83	6.46	3	45	13	96	0.00	0.0	7.374	0.091	2	1	1	16
PL.23574	PL.23573	A	6 A (CWC)	7.27Y	121.2	0.00	3.84	0.52	0	4	1	97	0.00	0.0	7.508	0.134	4	1	1	1
PL.23575	PL.23574	A	6 A (CWC)	7.27Y	121.2	0.00	3.84	0.00	0	0	0	100	0.00	0.0	7.595	0.086	0	0	0	0
PL.23875	PL.23573	A	#1/0 ACSR	7.27Y	121.2	0.01	3.84	5.64	2	39	11	96	0.00	0.0	7.413	0.038	0	0	0	14

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

Balanced Voltage Drop Report
Source: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% 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.3370	PL.23875	A	20T	7.27Y	121.2	0.00	3.84	5.64	0	39	11	96	0.00	0.0	7.413	0.038	0	0	0	14
PL.23876	PD.3370	A	6 A (CWC)	7.27Y	121.1	0.05	3.89	5.64	4	39	11	96	0.01	0.0	7.599	0.186	0	0	0	14
PL.23576	PL.23876	A	6 A (CWC)	7.26Y	121.1	0.04	3.92	5.64	4	39	11	96	0.01	0.0	7.739	0.140	0	0	0	14
PL.23577	PL.23576	A	6 A (CWC)	7.26Y	121.1	0.02	3.94	5.64	4	39	11	96	0.01	0.0	7.804	0.065	0	0	0	14
PL.22937	PL.23577	A	#4 ACSR	7.26Y	121.1	0.00	3.95	1.64	1	11	3	96	0.00	0.0	7.865	0.061	0	0	0	2
PL.23159	PL.22937	A	#4 ACSR	7.26Y	121.1	0.00	3.95	0.46	0	3	1	95	0.00	0.0	7.906	0.041	3	1	1	1
PL.22938	PL.22937	A	#1/0 ACSR	7.26Y	121.1	0.00	3.95	1.18	1	8	2	97	0.00	0.0	7.886	0.021	8	2	1	1
PL.23429	PL.23577	A	6 A (CWC)	7.26Y	121.0	0.01	3.95	4.00	3	28	8	96	0.00	0.0	7.856	0.052	0	0	1	12
PL.22939	PL.23429	A	#4 ACSR	7.26Y	121.0	0.00	3.95	0.00	0	0	0	100	0.00	0.0	7.898	0.042	0	0	0	0
PL.23430	PL.23429	A	6 A (CWC)	7.26Y	121.0	0.03	3.98	4.00	3	28	8	96	0.01	0.0	8.002	0.146	0	0	0	11
PL.22940	PL.23430	A	6 A (CWC)	7.26Y	121.0	0.02	4.00	4.00	3	28	8	96	0.01	0.0	8.134	0.132	0	0	0	11
PL.23251	PL.22940	A	6 A (CWC)	7.26Y	121.0	0.01	4.01	4.00	3	28	8	96	0.00	0.0	8.199	0.066	0	0	0	11
PL.23621	PL.23251	A	#4 ACSR	7.26Y	121.0	0.01	4.02	4.00	3	28	8	96	0.00	0.0	8.229	0.030	0	0	0	11
PL.23622	PL.23621	A	#4 ACSR	7.26Y	121.0	0.00	4.02	4.00	3	28	8	96	0.00	0.0	8.256	0.027	0	0	0	11
PL.22941	PL.23622	A	#4 ACSR	7.26Y	121.0	0.01	4.03	2.27	2	16	4	97	0.00	0.0	8.354	0.098	0	0	0	9
PL.22942	PL.22941	A	#4 ACSR	7.26Y	121.0	0.01	4.04	2.27	2	16	4	97	0.00	0.0	8.443	0.089	0	0	0	9
PL.22944	PL.22942	A	6 A (CWC)	7.26Y	120.9	0.01	4.05	2.27	2	16	4	97	0.00	0.0	8.549	0.106	0	0	0	9
PL.23619	PL.22944	A	6 A (CWC)	7.26Y	120.9	0.02	4.07	2.27	2	16	4	97	0.00	0.0	8.719	0.170	0	0	0	9
PL.23620	PL.23619	A	6 A (CWC)	7.26Y	120.9	0.01	4.08	2.27	2	16	4	97	0.00	0.0	8.820	0.101	0	0	0	9
PL.23807	PL.23620	A	#4 ACSR	7.25Y	120.9	0.02	4.10	2.27	2	16	4	97	0.00	0.0	8.997	0.177	0	0	0	9
PD.3334	PL.23807	A	12T	7.25Y	120.9	0.00	4.10	2.27	0	16	4	97	0.00	0.0	8.997	0.177	0	0	0	9
PL.23808	PD.3334	A	#4 ACSR	7.25Y	120.9	0.01	4.11	2.27	2	16	4	97	0.00	0.0	9.121	0.124	0	0	0	9
PL.23253	PL.23808	A	#4 ACSR	7.25Y	120.9	0.01	4.12	2.27	2	16	4	97	0.00	0.0	9.207	0.086	0	0	0	9
PL.22948	PL.23253	A	#4 ACSR	7.25Y	120.9	0.02	4.14	2.27	2	16	4	97	0.00	0.0	9.417	0.210	0	0	0	9
PL.23128	PL.22948	A	#4 ACSR	7.25Y	120.9	0.01	4.15	2.27	2	16	4	97	0.00	0.0	9.488	0.071	0	0	0	9
PL.23138	PL.23128	A	#4 ACSR	7.25Y	120.8	0.01	4.16	2.27	2	16	4	97	0.00	0.0	9.625	0.136	0	0	0	9
PL.23633	PL.23138	A	#4 ACSR	7.25Y	120.8	0.01	4.18	2.27	2	16	4	97	0.00	0.0	9.771	0.147	0	0	0	9
PL.23634	PL.23633	A	#4 ACSR	7.25Y	120.8	0.01	4.19	2.27	2	16	4	97	0.00	0.0	9.880	0.109	0	0	0	9
PL.23254	PL.23634	A	#4 ACSR	7.25Y	120.8	0.01	4.20	2.27	2	16	4	97	0.00	0.0	10.026	0.146	0	0	0	9
PL.23417	PL.23254	A	#4 ACSR	7.25Y	120.8	0.00	4.20	0.10	0	1	0	100	0.00	0.0	10.155	0.130	0	0	0	5
PL.23132	PL.23417	A	#4 ACSR	7.25Y	120.8	0.00	4.20	0.10	0	1	0	100	0.00	0.0	10.260	0.104	0	0	0	5

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

Balanced Voltage Drop Report
Source: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.23827	PL.23132	A	#4 ACSR	7.25Y	120.8	0.00	4.21	0.10	0	1	0	100	0.00	0.0	10.373	0.113	0	0	0	5
PD.3345	PL.23827	A	8T	7.25Y	120.8	0.00	4.21	0.10	0	1	0	100	0.00	0.0	10.373	0.113	0	0	0	5
PL.23828	PD.3345	A	#4 ACSR	7.25Y	120.8	0.00	4.21	0.10	0	1	0	100	0.00	0.0	10.532	0.159	0	0	0	5
PL.23420	PL.23828	A	#4 ACSR	7.25Y	120.8	0.00	4.21	0.10	0	1	0	100	0.00	0.0	10.721	0.189	0	0	0	5
PL.23257	PL.23420	A	#4 ACSR	7.25Y	120.8	0.00	4.21	0.10	0	1	0	100	0.00	0.0	10.882	0.161	0	0	1	5
PL.23133	PL.23257	A	#1/0 ACSR	7.25Y	120.8	0.00	4.21	0.09	0	1	0	100	0.00	0.0	11.010	0.128	0	0	0	4
PL.23258	PL.23133	A	#1/0 ACSR	7.25Y	120.8	0.00	4.21	0.09	0	1	0	100	0.00	0.0	11.089	0.079	0	0	0	4
PL.23161	PL.23258	A	#1/0 ACSR	7.25Y	120.8	0.00	4.21	0.02	0	0	0	100	0.00	0.0	11.131	0.042	0	0	1	1
PL.23631	PL.23258	A	#1/0 ACSR	7.25Y	120.8	0.00	4.21	0.06	0	0	0	100	0.00	0.0	11.118	0.029	0	0	2	3
PL.23632	PL.23631	A	#1/0 ACSR	7.25Y	120.8	0.00	4.21	0.00	0	0	0	100	0.00	0.0	11.286	0.169	0	0	1	1
PL.23418	PL.23417	A	#4 ACSR	7.25Y	120.8	0.00	4.20	0.00	0	0	0	100	0.00	0.0	10.205	0.050	0	0	0	0
PL.23129	PL.23254	A	#4 ACSR	7.25Y	120.8	0.01	4.21	2.17	2	15	4	97	0.00	0.0	10.123	0.097	0	0	0	4
PL.23130	PL.23129	A	#4 ACSR	7.25Y	120.8	0.01	4.22	2.17	2	15	4	97	0.00	0.0	10.190	0.067	0	0	0	4
PL.23131	PL.23130	A	#4 ACSR	7.25Y	120.8	0.00	4.22	0.64	0	4	1	97	0.00	0.0	10.246	0.056	4	1	1	1
PL.23411	PL.23130	A	#4 ACSR	7.25Y	120.8	0.01	4.23	1.53	1	11	3	96	0.00	0.0	10.372	0.182	0	0	0	3
PL.23635	PL.23411	A	#1/0 ACSR	7.25Y	120.8	0.00	4.23	0.65	0	5	1	98	0.00	0.0	10.435	0.063	1	0	1	2
PL.23636	PL.23635	A	#1/0 ACSR	7.25Y	120.8	0.00	4.23	0.50	0	3	1	95	0.00	0.0	10.566	0.131	0	0	0	1
PL.23255	PL.23636	A	#1/0 ACSR	7.25Y	120.8	0.00	4.24	0.50	0	3	1	95	0.00	0.0	10.646	0.080	3	1	1	1
PL.23412	PL.23411	A	#4 ACSR	7.25Y	120.8	0.00	4.23	0.89	1	6	2	95	0.00	0.0	10.402	0.030	6	2	1	1
PL.22943	PL.22941	A	#4 ACSR	7.26Y	121.0	0.00	4.03	0.00	0	0	0	100	0.00	0.0	8.425	0.071	0	0	0	0
PL.23160	PL.23622	A	#4 ACSR	7.26Y	121.0	0.01	4.04	1.73	1	12	3	97	0.00	0.0	8.408	0.152	0	0	0	2
PL.23252	PL.23160	A	#4 ACSR	7.26Y	121.0	0.01	4.04	1.73	1	12	3	97	0.00	0.0	8.532	0.124	0	0	0	2
PL.23624	PL.23252	A	#4 ACSR	7.26Y	120.9	0.01	4.05	1.73	1	12	3	97	0.00	0.0	8.616	0.085	0	0	0	2
PL.23623	PL.23624	A	#4 ACSR	7.26Y	120.9	0.01	4.06	1.73	1	12	3	97	0.00	0.0	8.712	0.096	0	0	0	2
PL.22945	PL.23623	A	#1/0 ACSR	7.26Y	120.9	0.00	4.06	1.60	1	11	3	96	0.00	0.0	8.742	0.030	11	3	1	1
PL.22947	PL.23623	A	#4 ACSR	7.26Y	120.9	0.00	4.06	0.12	0	1	0	100	0.00	0.0	8.791	0.079	1	0	1	1
PL.22946	PL.23623	A	#1/0 ACSR	7.26Y	120.9	0.00	4.06	0.00	0	0	0	100	0.00	0.0	8.826	0.114	0	0	0	0
PL.23568	PL.23158	A	#4 ACSR	7.27Y	121.2	0.00	3.75	0.31	0	2	1	89	0.00	0.0	6.898	0.045	0	0	0	2
PL.23569	PL.23568	A	#4 ACSR	7.27Y	121.2	0.00	3.75	0.31	0	2	1	89	0.00	0.0	6.984	0.086	0	0	1	2
PL.23567	PL.23569	A	#4 ACSR	7.27Y	121.2	0.00	3.75	0.30	0	2	1	89	0.00	0.0	7.118	0.134	2	1	1	1
PL.22930	PL.22927	A	#4 ACSR	7.28Y	121.3	0.00	3.68	1.16	1	8	2	97	0.00	0.0	6.597	0.137	8	2	2	2

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

Balanced Voltage Drop Report
Source: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.22924	PL.23247	A	#1/0 ACSR	7.29Y	121.4	0.00	3.56	0.00	0	0	0	100	0.00	0.0	6.086	0.039	0	0	2	2
PL.22923	PL.23242	A	6 A (CWC)	7.30Y	121.6	0.00	3.39	0.27	0	2	1	89	0.00	0.0	5.576	0.100	2	1	1	1
PL.22915	PL.23240	A	#1/0 ACSR	7.31Y	121.8	0.00	3.22	0.69	0	5	1	98	0.00	0.0	4.996	0.047	5	1	1	1
PL.22912	PL.22911	A	#4 ACSR	7.32Y	121.9	0.00	3.08	0.29	0	2	1	89	0.00	0.0	4.653	0.092	2	1	1	1
PL.23562	PL.23434	A	#4 ACSR	7.32Y	122.0	0.00	3.03	0.00	0	0	0	100	0.00	0.0	4.485	0.059	0	0	1	1
PL.23563	PL.23562	A	#4 ACSR	7.32Y	122.0	0.00	3.03	0.00	0	0	0	100	0.00	0.0	4.515	0.031	0	0	0	0
PL.22910	PL.23559	A	#4 ACSR	7.32Y	122.0	0.00	2.99	2.59	2	18	5	96	0.00	0.0	4.375	0.065	18	5	2	2
PL.23873	PL.23432	C	#1/0 ACSR	7.33Y	122.2	0.00	2.83	18.72	8	132	37	96	0.00	0.0	3.958	0.003	0	0	0	55
PD.3369	PL.23873	C	35L	7.33Y	122.2	0.00	2.83	18.72	53	132	37	96	0.00	0.0	3.958	0.003	0	0	0	55
PL.23874	PD.3369	C	#1/0 ACSR	7.33Y	122.1	0.07	2.90	18.72	8	132	37	96	0.06	0.0	4.113	0.155	0	0	1	55
PL.22896	PL.23874	C	#1/0 ACSR	7.32Y	122.0	0.05	2.95	18.67	8	132	37	96	0.04	0.0	4.218	0.104	0	0	1	54
PL.22897	PL.22896	C	#1/0 ACSR	7.32Y	122.0	0.03	2.98	15.75	7	111	31	96	0.02	0.0	4.290	0.072	9	3	1	48
PL.23735	PL.22897	C	#4 ACSR	7.32Y	122.0	0.00	2.98	0.68	1	5	1	98	0.00	0.0	4.294	0.004	0	0	0	1
PD.3297	PL.23735	C	15T	7.32Y	122.0	0.00	2.98	0.68	0	5	1	98	0.00	0.0	4.294	0.004	0	0	0	1
PL.23736	PD.3297	C	#4 ACSR	7.32Y	122.0	0.00	2.98	0.68	1	5	1	98	0.00	0.0	4.354	0.060	5	1	1	1
PL.22898	PL.22897	C	#1/0 ACSR	7.32Y	122.0	0.00	2.98	0.56	0	4	1	97	0.00	0.0	4.320	0.030	4	1	1	1
PL.22899	PL.22897	C	#1/0 ACSR	7.32Y	122.0	0.05	3.03	13.20	6	93	26	96	0.03	0.0	4.461	0.171	3	1	1	45
PL.23581	PL.22899	C	#1/0 ACSR	7.32Y	122.0	0.01	3.04	12.72	6	90	25	96	0.00	0.0	4.482	0.021	1	0	1	44
PL.23582	PL.23581	C	#1/0 ACSR	7.32Y	121.9	0.02	3.06	12.59	5	89	25	96	0.01	0.0	4.552	0.070	13	4	1	43
PL.23583	PL.23582	C	#1/0 ACSR	7.32Y	121.9	0.01	3.07	10.75	5	76	21	96	0.01	0.0	4.602	0.049	4	1	1	42
PL.23753	PL.23583	C	#4 ACSR	7.32Y	121.9	0.00	3.07	0.00	0	0	0	100	0.00	0.0	4.606	0.005	0	0	0	1
PD.3306	PL.23753	C	15T	7.32Y	121.9	0.00	3.07	0.00	0	0	0	100	0.00	0.0	4.606	0.005	0	0	0	1
PL.23754	PD.3306	C	#4 ACSR	7.32Y	121.9	0.00	3.07	0.00	0	0	0	100	0.00	0.0	4.668	0.062	0	0	1	1
PL.23425	PL.23583	C	#1/0 ACSR	7.32Y	121.9	0.01	3.08	10.22	4	72	20	96	0.00	0.0	4.636	0.034	0	0	0	40
PL.23426	PL.23425	C	#1/0 ACSR	7.31Y	121.9	0.04	3.11	10.22	4	72	20	96	0.02	0.0	4.785	0.149	0	0	1	40
PL.23749	PL.23426	C	#4 ACSR	7.31Y	121.9	0.00	3.12	0.77	1	5	2	93	0.00	0.0	4.789	0.005	0	0	0	7
PD.3304	PL.23749	C	15T	7.31Y	121.9	0.00	3.12	0.77	0	5	2	93	0.00	0.0	4.789	0.005	0	0	0	7
PL.23750	PD.3304	C	#4 ACSR	7.31Y	121.9	0.00	3.12	0.77	1	5	2	93	0.00	0.0	4.879	0.090	1	0	2	7
PL.23578	PL.23750	C	#4 ACSR	7.31Y	121.9	0.00	3.12	0.66	1	5	1	98	0.00	0.0	4.941	0.062	0	0	4	5
PL.22904	PL.23578	C	#4 ACSR	7.31Y	121.9	0.00	3.12	0.60	0	4	1	97	0.00	0.0	4.981	0.039	4	1	1	1
PL.22906	PL.22904	C	#4 ACSR	7.31Y	121.9	0.00	3.12	0.00	0	0	0	100	0.00	0.0	5.140	0.159	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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.22903	PL.23426	C	#1/0 ACSR	7.31Y	121.9	0.01	3.13	9.43	4	66	19	96	0.01	0.0	4.849	0.064	10	3	1	32
PL.22907	PL.22903	C	#1/0 ACSR	7.31Y	121.8	0.03	3.15	8.02	3	56	16	96	0.01	0.0	4.985	0.137	0	0	0	31
PL.22949	PL.22907	C	#1/0 ACSR	7.31Y	121.8	0.02	3.18	8.02	3	56	16	96	0.01	0.0	5.106	0.121	0	0	0	31
PL.23751	PL.22949	C	#1/0 ACSR	7.31Y	121.8	0.00	3.18	8.02	3	56	16	96	0.00	0.0	5.111	0.005	0	0	0	31
PD.3305	PL.23751	C	15T	7.31Y	121.8	0.00	3.18	8.02	0	56	16	96	0.00	0.0	5.111	0.005	0	0	0	31
PL.23752	PD.3305	C	#1/0 ACSR	7.31Y	121.8	0.03	3.21	8.02	3	56	16	96	0.01	0.0	5.291	0.181	0	0	0	31
PL.22951	PL.23752	C	#1/0 ACSR	7.30Y	121.7	0.05	3.27	8.02	3	56	16	96	0.02	0.0	5.560	0.269	0	0	0	31
PL.22952	PL.22951	C	#1/0 ACSR	7.30Y	121.7	0.01	3.27	8.02	3	56	16	96	0.00	0.0	5.590	0.029	0	0	0	31
PL.23150	PL.22952	C	#1/0 ACSR	7.30Y	121.7	0.02	3.29	7.59	3	53	15	96	0.01	0.0	5.699	0.109	0	0	0	30
PL.22953	PL.23150	C	#1/0 ACSR	7.30Y	121.7	0.03	3.32	6.51	3	46	13	96	0.01	0.0	5.860	0.161	0	0	0	28
PL.22954	PL.22953	C	#1/0 ACSR	7.30Y	121.7	0.01	3.33	6.51	3	46	13	96	0.00	0.0	5.916	0.056	0	0	0	28
PL.23841	PL.22954	C	#1/0 ACSR	7.30Y	121.7	0.00	3.33	5.82	3	41	11	97	0.00	0.0	5.921	0.004	0	0	0	22
PD.3352	PL.23841	C	10T	7.30Y	121.7	0.00	3.33	5.82	0	41	11	97	0.00	0.0	5.921	0.004	0	0	0	22
PL.23842	PD.3352	C	#1/0 ACSR	7.30Y	121.6	0.03	3.35	5.82	3	41	11	97	0.01	0.0	6.108	0.187	0	0	1	22
PL.23586	PL.23842	C	#1/0 ACSR	7.30Y	121.6	0.00	3.36	5.82	3	41	11	97	0.00	0.0	6.124	0.017	3	1	1	21
PL.22955	PL.23586	C	#1/0 ACSR	7.30Y	121.6	0.02	3.37	5.46	2	38	11	96	0.00	0.0	6.268	0.143	0	0	0	20
PL.22956	PL.22955	C	#1/0 ACSR	7.30Y	121.6	0.00	3.37	0.40	0	3	1	95	0.00	0.0	6.384	0.117	3	1	2	2
PL.23151	PL.22955	C	#1/0 ACSR	7.30Y	121.6	0.00	3.38	5.06	2	36	10	96	0.00	0.0	6.308	0.040	0	0	0	18
PL.23761	PL.23151	C	#4 ACSR	7.30Y	121.6	0.00	3.38	0.95	1	7	2	96	0.00	0.0	6.312	0.005	0	0	0	1
PD.3310	PL.23761	C	8T	7.30Y	121.6	0.00	3.38	0.95	0	7	2	96	0.00	0.0	6.312	0.005	0	0	0	1
PL.23762	PD.3310	C	#4 ACSR	7.30Y	121.6	0.00	3.38	0.95	1	7	2	96	0.00	0.0	6.402	0.090	0	0	0	1
PL.23236	PL.23762	C	#4 ACSR	7.30Y	121.6	0.00	3.39	0.95	1	7	2	96	0.00	0.0	6.533	0.130	7	2	1	1
PL.22957	PL.23151	C	#1/0 ACSR	7.30Y	121.6	0.01	3.39	4.10	2	29	8	96	0.00	0.0	6.418	0.110	0	0	0	17
PL.23152	PL.22957	C	6 A (CWC)	7.30Y	121.6	0.01	3.40	1.56	1	11	3	96	0.00	0.0	6.536	0.118	1	0	1	9
PL.23843	PL.23152	C	6 A (CWC)	7.30Y	121.6	0.00	3.40	0.96	1	7	2	96	0.00	0.0	6.541	0.005	0	0	0	6
PD.3353	PL.23843	C	8T	7.30Y	121.6	0.00	3.40	0.96	0	7	2	96	0.00	0.0	6.541	0.005	0	0	0	6
PL.23844	PD.3353	C	6 A (CWC)	7.30Y	121.6	0.01	3.40	0.96	1	7	2	96	0.00	0.0	6.690	0.150	0	0	0	6
PL.23237	PL.23844	C	6 A (CWC)	7.30Y	121.6	0.00	3.41	0.96	1	7	2	96	0.00	0.0	6.762	0.072	0	0	0	6
PL.22964	PL.23237	C	6 A (CWC)	7.30Y	121.6	0.01	3.41	0.96	1	7	2	96	0.00	0.0	6.912	0.150	0	0	0	6
PL.22963	PL.22964	C	6 A (CWC)	7.29Y	121.6	0.00	3.42	0.96	1	7	2	96	0.00	0.0	6.990	0.078	0	0	0	6
PL.22965	PL.22963	C	#4 ACSR	7.29Y	121.6	0.00	3.42	0.96	1	7	2	96	0.00	0.0	7.077	0.087	0	0	0	6

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

Balanced Voltage Drop Report
Source: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.22966	PL.22965	C	#4 ACSR	7.29Y	121.6	0.00	3.42	0.01	0	0	0	100	0.00	0.0	7.128	0.051	0	0	2	2
PL.22967	PL.22965	C	#4 ACSR	7.29Y	121.6	0.00	3.42	0.95	1	7	2	96	0.00	0.0	7.114	0.037	1	0	1	4
PL.23851	PL.22967	C	#4 ACSR	7.29Y	121.6	0.00	3.42	0.35	0	2	1	89	0.00	0.0	7.119	0.005	0	0	0	1
PD.3357	PL.23851	C	8T	7.29Y	121.6	0.00	3.42	0.35	0	2	1	89	0.00	0.0	7.119	0.005	0	0	0	1
PL.23852	PD.3357	C	#4 ACSR	7.29Y	121.6	0.00	3.43	0.35	0	2	1	89	0.00	0.0	7.254	0.135	0	0	0	1
PL.22969	PL.23852	C	#4 ACSR	7.29Y	121.6	0.00	3.43	0.35	0	2	1	89	0.00	0.0	7.311	0.057	0	0	0	1
PL.22970	PL.22969	C	#4 ACSR	7.29Y	121.6	0.00	3.43	0.00	0	0	0	100	0.00	0.0	7.476	0.165	0	0	0	0
PL.23153	PL.22969	C	#4 ACSR	7.29Y	121.6	0.00	3.43	0.35	0	2	1	89	0.00	0.0	7.396	0.084	2	1	1	1
PL.22968	PL.22969	C	#4 ACSR	7.29Y	121.6	0.00	3.43	0.00	0	0	0	100	0.00	0.0	7.453	0.142	0	0	0	0
PL.23845	PL.22967	C	#4 ACSR	7.29Y	121.6	0.00	3.42	0.48	0	3	1	95	0.00	0.0	7.119	0.005	0	0	0	2
PD.3354	PL.23845	C	8T	7.29Y	121.6	0.00	3.42	0.48	0	3	1	95	0.00	0.0	7.119	0.005	0	0	0	2
PL.23846	PD.3354	C	#4 ACSR	7.29Y	121.6	0.00	3.43	0.48	0	3	1	95	0.00	0.0	7.295	0.177	0	0	0	2
PL.22971	PL.23846	C	#1/0 ACSR	7.29Y	121.6	0.00	3.43	0.48	0	3	1	95	0.00	0.0	7.419	0.124	3	1	2	2
PL.22962	PL.23152	C	#4 ACSR	7.30Y	121.6	0.00	3.40	0.47	0	3	1	95	0.00	0.0	6.649	0.113	3	1	2	2
PL.22959	PL.22957	C	#1/0 ACSR	7.30Y	121.6	0.00	3.39	2.55	1	18	5	96	0.00	0.0	6.423	0.005	0	0	0	8
PD.3315	PL.22959	C	8T	7.30Y	121.6	0.00	3.39	2.55	0	18	5	96	0.00	0.0	6.423	0.005	0	0	0	8
PL.22958	PD.3315	C	#4 ACSR	7.30Y	121.6	0.00	3.39	0.26	0	2	1	89	0.00	0.0	6.537	0.114	0	0	2	3
PL.22960	PL.22958	C	#1/0 ACSR	7.30Y	121.6	0.00	3.39	0.24	0	2	0	100	0.00	0.0	6.591	0.054	2	0	1	1
PL.23592	PD.3315	C	#1/0 ACSR	7.30Y	121.6	0.01	3.40	2.29	1	16	5	95	0.00	0.0	6.557	0.134	6	2	1	5
PL.23593	PL.23592	C	#1/0 ACSR	7.30Y	121.6	0.01	3.40	1.41	1	10	3	96	0.00	0.0	6.741	0.184	0	0	1	4
PL.23771	PL.23593	C	#1/0 ACSR	7.30Y	121.6	0.00	3.40	1.41	1	10	3	96	0.00	0.0	6.745	0.005	0	0	0	3
PD.3316	PL.23771	C	8T	7.30Y	121.6	0.00	3.40	1.41	0	10	3	96	0.00	0.0	6.745	0.005	0	0	0	3
PL.23772	PD.3316	C	#1/0 ACSR	7.30Y	121.6	0.00	3.40	1.41	1	10	3	96	0.00	0.0	6.836	0.091	4	1	2	3
PL.23594	PL.23772	C	#1/0 ACSR	7.30Y	121.6	0.00	3.41	0.89	0	6	2	95	0.00	0.0	6.880	0.044	6	2	1	1
PL.23759	PL.22954	C	6 A (CWC)	7.30Y	121.7	0.00	3.33	0.69	0	5	1	98	0.00	0.0	5.921	0.005	0	0	0	6
PD.3309	PL.23759	C	10T	7.30Y	121.7	0.00	3.33	0.69	0	5	1	98	0.00	0.0	5.921	0.005	0	0	0	6
PL.23760	PD.3309	C	6 A (CWC)	7.30Y	121.7	0.00	3.33	0.69	0	5	1	98	0.00	0.0	6.045	0.124	0	0	0	6
PL.23224	PL.23760	C	6 A (CWC)	7.30Y	121.7	0.00	3.33	0.69	0	5	1	98	0.00	0.0	6.156	0.112	0	0	0	6
PL.23225	PL.23224	C	6 A (CWC)	7.30Y	121.7	0.00	3.34	0.69	0	5	1	98	0.00	0.0	6.286	0.130	0	0	0	6
PL.23226	PL.23225	C	6 A (CWC)	7.30Y	121.7	0.00	3.34	0.69	0	5	1	98	0.00	0.0	6.409	0.122	0	0	0	6
PL.23763	PL.23226	C	#1/0 ACSR	7.30Y	121.7	0.00	3.34	0.59	0	4	1	97	0.00	0.0	6.413	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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% 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.3311	PL.23763	C	8T	7.30Y	121.7	0.00	3.34	0.59	0	4	1	97	0.00	0.0	6.413	0.005	0	0	0	1
PL.23764	PD.3311	C	#1/0 ACSR	7.30Y	121.7	0.00	3.34	0.59	0	4	1	97	0.00	0.0	6.567	0.154	4	1	1	1
PL.22961	PL.23226	C	6 A (CWC)	7.30Y	121.7	0.00	3.34	0.11	0	1	0	100	0.00	0.0	6.441	0.033	0	0	2	5
PL.23587	PL.22961	C	#4 ACSR	7.30Y	121.7	0.00	3.34	0.11	0	1	0	100	0.00	0.0	6.498	0.056	1	0	1	3
PL.23765	PL.23587	C	#4 ACSR	7.30Y	121.7	0.00	3.34	0.00	0	0	0	100	0.00	0.0	6.537	0.039	0	0	0	2
PD.3312	PL.23765	C	8T	7.30Y	121.7	0.00	3.34	0.00	0	0	0	100	0.00	0.0	6.537	0.039	0	0	0	2
PL.23766	PD.3312	C	#4 ACSR	7.30Y	121.7	0.00	3.34	0.00	0	0	0	100	0.00	0.0	6.648	0.111	0	0	0	2
PL.23227	PL.23766	C	#4 ACSR	7.30Y	121.7	0.00	3.34	0.00	0	0	0	100	0.00	0.0	6.740	0.092	0	0	0	2
PL.23768	PL.23227	C	#4 ACSR	7.30Y	121.7	0.00	3.34	0.00	0	0	0	100	0.00	0.0	6.863	0.123	0	0	0	2
PL.23228	PL.23768	C	#4 ACSR	7.30Y	121.7	0.00	3.34	0.00	0	0	0	100	0.00	0.0	7.008	0.146	0	0	0	2
PL.23229	PL.23228	C	#4 ACSR	7.30Y	121.7	0.00	3.34	0.00	0	0	0	100	0.00	0.0	7.075	0.066	0	0	0	2
PL.23588	PL.23229	C	#4 ACSR	7.30Y	121.7	0.00	3.34	0.00	0	0	0	100	0.00	0.0	7.201	0.126	0	0	1	2
PL.23589	PL.23588	C	#4 ACSR	7.30Y	121.7	0.00	3.34	0.00	0	0	0	100	0.00	0.0	7.347	0.146	0	0	0	1
PL.23590	PL.23589	C	#4 ACSR	7.30Y	121.7	0.00	3.34	0.00	0	0	0	100	0.00	0.0	7.397	0.051	0	0	0	1
PL.23591	PL.23590	C	#4 ACSR	7.30Y	121.7	0.00	3.34	0.00	0	0	0	100	0.00	0.0	7.466	0.069	0	0	0	1
PL.23769	PL.23591	C	#4 ACSR	7.30Y	121.7	0.00	3.34	0.00	0	0	0	100	0.00	0.0	7.471	0.005	0	0	0	1
PD.3314	PL.23769	C	12T	7.30Y	121.7	0.00	3.34	0.00	0	0	0	100	0.00	0.0	7.471	0.005	0	0	0	1
PL.23770	PD.3314	C	#4 ACSR	7.30Y	121.7	0.00	3.34	0.00	0	0	0	100	0.00	0.0	7.575	0.104	0	0	0	1
PL.23230	PL.23770	C	#4 ACSR	7.30Y	121.7	0.00	3.34	0.00	0	0	0	100	0.00	0.0	7.692	0.117	0	0	0	1
PL.23231	PL.23230	C	#4 ACSR	7.30Y	121.7	0.00	3.34	0.00	0	0	0	100	0.00	0.0	7.822	0.130	0	0	0	1
PL.23232	PL.23231	C	#4 ACSR	7.30Y	121.7	0.00	3.34	0.00	0	0	0	100	0.00	0.0	7.898	0.076	0	0	0	1
PL.23234	PL.23232	C	#4 ACSR	7.30Y	121.7	0.00	3.34	0.00	0	0	0	100	0.00	0.0	8.006	0.107	0	0	0	1
PL.23233	PL.23234	C	#4 ACSR	7.30Y	121.7	0.00	3.34	0.00	0	0	0	100	0.00	0.0	8.159	0.153	0	0	0	1
PL.23235	PL.23233	C	#4 ACSR	7.30Y	121.7	0.00	3.34	0.00	0	0	0	100	0.00	0.0	8.225	0.066	0	0	1	1
PL.23747	PL.23150	C	#4 ACSR	7.30Y	121.7	0.00	3.29	1.08	1	8	2	97	0.00	0.0	5.704	0.005	0	0	0	2
PD.3303	PL.23747	C	10T	7.30Y	121.7	0.00	3.29	1.08	0	8	2	97	0.00	0.0	5.704	0.005	0	0	0	2
PL.23748	PD.3303	C	#4 ACSR	7.30Y	121.7	0.00	3.30	1.08	1	8	2	97	0.00	0.0	5.844	0.140	7	2	1	2
PL.23585	PL.23748	C	#4 ACSR	7.30Y	121.7	0.00	3.30	0.07	0	0	0	100	0.00	0.0	5.880	0.036	0	0	1	1
PL.23758	PL.22952	C	#1/0 ACSR	7.30Y	121.7	0.00	3.27	0.43	0	3	1	95	0.00	0.0	5.594	0.005	0	0	0	1
PD.3308	PL.23758	C	10T	7.30Y	121.7	0.00	3.27	0.43	0	3	1	95	0.00	0.0	5.594	0.005	0	0	0	1
PL.23757	PD.3308	C	#1/0 ACSR	7.30Y	121.7	0.00	3.27	0.43	0	3	1	95	0.00	0.0	5.705	0.111	3	1	1	1

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

Balanced Voltage Drop Report
Source: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.23739	PL.22896	C	6 A (CWC)	7.32Y	122.0	0.00	2.95	2.91	2	21	6	96	0.00	0.0	4.222	0.005	0	0	0	5
PD.3299	PL.23739	C	15T	7.32Y	122.0	0.00	2.95	2.91	0	21	6	96	0.00	0.0	4.222	0.005	0	0	0	5
PL.23740	PD.3299	C	6 A (CWC)	7.32Y	122.0	0.02	2.97	2.91	2	21	6	96	0.00	0.0	4.347	0.125	0	0	0	5
PL.23223	PL.23740	C	6 A (CWC)	7.32Y	122.0	0.01	2.98	2.91	2	21	6	96	0.00	0.0	4.456	0.109	0	0	0	5
PL.23755	PL.23223	C	6 A (CWC)	7.32Y	122.0	0.00	2.98	1.26	1	9	2	98	0.00	0.0	4.460	0.005	0	0	0	2
PD.3307	PL.23755	C	10T	7.32Y	122.0	0.00	2.98	1.26	0	9	2	98	0.00	0.0	4.460	0.005	0	0	0	2
PL.23756	PD.3307	C	6 A (CWC)	7.32Y	122.0	0.01	2.99	1.26	1	9	2	98	0.00	0.0	4.655	0.195	0	0	0	2
PL.22900	PL.23756	C	6 A (CWC)	7.32Y	122.0	0.00	3.00	1.26	1	9	2	98	0.00	0.0	4.731	0.076	0	0	0	2
PL.22901	PL.22900	C	6 A (CWC)	7.32Y	122.0	0.00	3.00	1.26	1	9	2	98	0.00	0.0	4.804	0.074	2	0	1	2
PL.22902	PL.22901	C	#4 ACSR	7.32Y	122.0	0.00	3.01	1.03	1	7	2	96	0.00	0.0	4.935	0.130	7	2	1	1
PL.23839	PL.23223	C	#4 ACSR	7.32Y	122.0	0.00	2.98	1.65	1	12	3	97	0.00	0.0	4.461	0.005	0	0	0	3
PD.3351	PL.23839	C	10T	7.32Y	122.0	0.00	2.98	1.65	0	12	3	97	0.00	0.0	4.461	0.005	0	0	0	3
PL.23840	PD.3351	C	#4 ACSR	7.32Y	122.0	0.00	2.98	1.65	1	12	3	97	0.00	0.0	4.481	0.020	7	2	1	3
PL.23584	PL.23840	C	#4 ACSR	7.32Y	122.0	0.00	2.99	0.65	0	5	1	98	0.00	0.0	4.567	0.086	5	1	2	2
PL.22881	PL.23446	C	#4 ACSR	7.34Y	122.3	0.00	2.69	0.65	1	5	1	98	0.00	0.0	3.536	0.066	5	1	1	1
PL.23835	PL.23544	A	#1/0 ACSR	7.35Y	122.4	0.00	2.58	0.06	0	0	0	100	0.00	0.0	3.159	0.005	0	0	0	1
PD.3349	PL.23835	A	20T	7.35Y	122.4	0.00	2.58	0.06	0	0	0	100	0.00	0.0	3.159	0.005	0	0	0	1
PL.23836	PD.3349	A	#1/0 ACSR	7.35Y	122.4	0.00	2.58	0.06	0	0	0	100	0.00	0.0	3.213	0.054	0	0	1	1
PL.23725	PL.23146	A	#4 ACSR	7.35Y	122.5	0.00	2.47	0.99	1	7	2	96	0.00	0.0	2.865	0.004	0	0	0	2
PD.3292	PL.23725	A	20T	7.35Y	122.5	0.00	2.47	0.99	0	7	2	96	0.00	0.0	2.865	0.004	0	0	0	2
PL.23726	PD.3292	A	#4 ACSR	7.35Y	122.5	0.00	2.47	0.99	1	7	2	96	0.00	0.0	2.922	0.058	7	2	2	2
PL.23721	PL.23449	C	#4 ACSR	7.36Y	122.7	0.00	2.35	1.12	1	8	2	97	0.00	0.0	2.536	0.005	0	0	0	1
PD.3290	PL.23721	C	20T	7.36Y	122.7	0.00	2.35	1.12	0	8	2	97	0.00	0.0	2.536	0.005	0	0	0	1
PL.23722	PD.3290	C	#4 ACSR	7.36Y	122.7	0.00	2.35	1.12	1	8	2	97	0.00	0.0	2.585	0.049	8	2	1	1
PL.23661	PL.23143	C	6 A (CWC)	7.43Y	123.8	0.00	1.23	0.55	0	4	1	97	0.00	0.0	0.938	0.005	0	0	0	1
PD.3260	PL.23661	C	50T	7.43Y	123.8	0.00	1.23	0.55	0	4	1	97	0.00	0.0	0.938	0.005	0	0	0	1
PL.23662	PD.3260	C	6 A (CWC)	7.43Y	123.8	0.00	1.23	0.55	0	4	1	97	0.00	0.0	1.085	0.147	4	1	1	1
PL.23867	PL.23480	C	6 A (CWC)	7.43Y	123.9	0.00	1.09	19.01	14	136	39	96	0.00	0.0	0.819	0.003	0	0	0	40
PD.3366	PL.23867	C	35L	7.43Y	123.9	0.00	1.09	19.01	54	136	39	96	0.00	0.0	0.819	0.003	0	0	0	40
PL.23868	PD.3366	C	6 A (CWC)	7.43Y	123.8	0.10	1.19	19.01	14	136	39	96	0.11	0.1	0.940	0.120	0	0	0	40
PL.23204	PL.23868	C	6 A (CWC)	7.42Y	123.7	0.11	1.30	19.01	14	136	38	96	0.11	0.1	1.065	0.125	0	0	0	40

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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.23308	PL.23204	C	6 A (CWC)	7.42Y	123.6	0.09	1.39	19.01	14	136	38	96	0.09	0.1	1.164	0.099	0	0	0	40
PL.23141	PL.23308	C	6 A (CWC)	7.41Y	123.5	0.11	1.50	18.46	13	132	37	96	0.10	0.1	1.291	0.127	0	0	0	39
PL.23205	PL.23141	C	6 A (CWC)	7.40Y	123.4	0.11	1.61	18.46	13	132	37	96	0.11	0.1	1.423	0.132	0	0	0	39
PL.23476	PL.23205	C	6 A (CWC)	7.40Y	123.3	0.10	1.71	18.46	13	132	37	96	0.09	0.1	1.551	0.129	18	5	2	39
PL.23477	PL.23476	C	6 A (CWC)	7.39Y	123.2	0.09	1.80	15.96	11	114	32	96	0.08	0.1	1.675	0.124	0	0	0	37
PL.23208	PL.23477	C	6 A (CWC)	7.39Y	123.1	0.09	1.89	15.96	11	114	32	96	0.07	0.1	1.795	0.120	0	0	0	37
PL.23474	PL.23208	C	6 A (CWC)	7.38Y	123.0	0.09	1.98	15.96	11	113	32	96	0.08	0.1	1.919	0.124	2	0	1	37
PL.23475	PL.23474	C	6 A (CWC)	7.38Y	123.0	0.07	2.05	15.72	11	112	31	96	0.06	0.1	2.017	0.099	0	0	0	36
PL.23209	PL.23475	C	6 A (CWC)	7.37Y	122.9	0.10	2.15	15.72	11	112	31	96	0.08	0.1	2.155	0.138	0	0	0	36
PL.23456	PL.23209	C	6 A (CWC)	7.37Y	122.8	0.06	2.21	15.72	11	112	31	96	0.05	0.0	2.247	0.092	7	2	2	36
PL.22843	PL.23456	C	6 A (CWC)	7.37Y	122.8	0.01	2.22	2.55	2	18	5	96	0.00	0.0	2.332	0.085	8	2	1	2
PL.22844	PL.22843	C	#1/0 ACSR	7.37Y	122.8	0.00	2.22	1.49	1	11	3	96	0.00	0.0	2.363	0.031	11	3	1	1
PL.23472	PL.23456	C	6 A (CWC)	7.36Y	122.7	0.06	2.27	12.12	9	86	24	96	0.04	0.0	2.361	0.114	0	0	1	32
PL.23655	PL.23472	C	6 A (CWC)	7.36Y	122.7	0.00	2.28	12.12	9	86	24	96	0.00	0.0	2.366	0.005	0	0	0	31
PD.3257	PL.23655	C	15T	7.36Y	122.7	0.00	2.28	12.12	0	86	24	96	0.00	0.0	2.366	0.005	0	0	0	31
PL.23656	PD.3257	C	6 A (CWC)	7.36Y	122.7	0.05	2.33	12.12	9	86	24	96	0.03	0.0	2.458	0.093	6	2	1	31
PL.23473	PL.23656	C	6 A (CWC)	7.36Y	122.6	0.03	2.36	11.33	8	80	23	96	0.02	0.0	2.521	0.063	1	0	1	30
PL.23468	PL.23473	C	6 A (CWC)	7.36Y	122.6	0.03	2.39	11.12	8	79	22	96	0.02	0.0	2.584	0.063	0	0	0	29
PL.23467	PL.23468	C	6 A (CWC)	7.35Y	122.6	0.03	2.42	11.12	8	79	22	96	0.02	0.0	2.646	0.062	7	2	1	29
PL.23466	PL.23467	C	6 A (CWC)	7.35Y	122.5	0.07	2.49	10.17	7	72	20	96	0.04	0.1	2.794	0.147	1	0	1	28
PL.23465	PL.23466	C	6 A (CWC)	7.35Y	122.5	0.03	2.52	10.04	7	71	20	96	0.02	0.0	2.863	0.070	0	0	0	27
PL.23142	PL.23465	C	6 A (CWC)	7.35Y	122.4	0.04	2.56	8.37	6	59	17	96	0.02	0.0	2.977	0.113	3	1	1	24
PL.22873	PL.23142	C	#4 ACSR	7.35Y	122.4	0.00	2.57	1.84	1	13	4	96	0.00	0.0	2.997	0.020	0	0	0	4
PL.23461	PL.22873	C	#4 ACSR	7.35Y	122.4	0.00	2.57	1.03	1	7	2	96	0.00	0.0	3.019	0.022	4	1	2	3
PL.23462	PL.23461	C	#4 ACSR	7.35Y	122.4	0.00	2.57	0.46	0	3	1	95	0.00	0.0	3.063	0.045	3	1	1	1
PL.22874	PL.22873	C	#4 ACSR	7.35Y	122.4	0.00	2.57	0.80	1	6	2	95	0.00	0.0	3.030	0.033	6	2	1	1
PL.23463	PL.23142	C	6 A (CWC)	7.34Y	122.4	0.03	2.59	6.08	4	43	12	96	0.01	0.0	3.081	0.105	1	0	1	19
PL.23464	PL.23463	C	6 A (CWC)	7.34Y	122.4	0.02	2.61	5.98	4	42	12	96	0.01	0.0	3.164	0.082	6	2	4	18
PL.22870	PL.23464	C	#4 ACSR	7.34Y	122.4	0.00	2.61	0.30	0	2	1	89	0.00	0.0	3.213	0.049	2	1	2	2
PL.23470	PL.23464	C	6 A (CWC)	7.34Y	122.4	0.02	2.63	3.86	3	27	8	96	0.00	0.0	3.254	0.090	1	0	1	10
PL.23471	PL.23470	C	6 A (CWC)	7.34Y	122.4	0.02	2.65	3.66	3	26	7	97	0.00	0.0	3.361	0.107	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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.23469	PL.23471	C	6 A (CWC)	7.34Y	122.3	0.03	2.67	3.66	3	26	7	97	0.01	0.0	3.529	0.168	0	0	1	9
PL.22869	PL.23469	C	#4 ACSR	7.34Y	122.3	0.00	2.68	0.54	0	4	1	97	0.00	0.0	3.589	0.060	4	1	1	1
PL.23455	PL.23469	C	6 A (CWC)	7.34Y	122.3	0.02	2.70	3.12	2	22	6	96	0.00	0.0	3.695	0.166	0	0	0	7
PL.23210	PL.23455	C	6 A (CWC)	7.34Y	122.3	0.02	2.72	3.12	2	22	6	96	0.00	0.0	3.826	0.131	0	0	0	7
PL.23454	PL.23210	C	6 A (CWC)	7.34Y	122.3	0.02	2.73	3.12	2	22	6	96	0.00	0.0	3.953	0.127	7	2	4	7
PL.23459	PL.23454	C	6 A (CWC)	7.34Y	122.3	0.01	2.74	2.13	2	15	4	97	0.00	0.0	4.047	0.094	5	1	1	3
PL.23460	PL.23459	C	6 A (CWC)	7.34Y	122.3	0.00	2.74	1.43	1	10	3	96	0.00	0.0	4.124	0.077	10	3	2	2
PL.22868	PL.23454	C	#4 ACSR	7.34Y	122.3	0.00	2.73	0.00	0	0	0	100	0.00	0.0	4.059	0.105	0	0	0	0
PL.22871	PL.23464	C	6 A (CWC)	7.34Y	122.4	0.00	2.62	0.97	1	7	2	96	0.00	0.0	3.258	0.094	5	1	1	2
PL.22872	PL.22871	C	#4 ACSR	7.34Y	122.4	0.00	2.62	0.22	0	2	0	100	0.00	0.0	3.301	0.044	2	0	1	1
PL.22875	PL.23465	C	6 A (CWC)	7.35Y	122.5	0.00	2.52	1.67	1	12	3	97	0.00	0.0	2.903	0.040	12	3	3	3
PL.22841	PL.23308	C	#1/0 ACSR	7.42Y	123.6	0.00	1.39	0.56	0	4	1	97	0.00	0.0	1.201	0.037	4	1	1	1
PL.23659	PL.23199	A	6 A (CWC)	7.45Y	124.2	0.00	0.76	1.76	1	13	4	96	0.00	0.0	0.578	0.005	0	0	0	3
PD.3259	PL.23659	A	50T	7.45Y	124.2	0.00	0.76	1.76	0	13	4	96	0.00	0.0	0.578	0.005	0	0	0	3
PL.23660	PD.3259	A	6 A (CWC)	7.45Y	124.2	0.01	0.77	1.76	1	13	4	96	0.00	0.0	0.704	0.126	0	0	0	3
PL.23200	PL.23660	A	6 A (CWC)	7.45Y	124.2	0.01	0.79	1.76	1	13	4	96	0.00	0.0	0.861	0.157	0	0	0	3
PL.23201	PL.23200	A	6 A (CWC)	7.45Y	124.2	0.01	0.80	1.76	1	13	4	96	0.00	0.0	1.039	0.178	0	0	0	3
PL.23202	PL.23201	A	6 A (CWC)	7.45Y	124.2	0.01	0.81	1.76	1	13	4	96	0.00	0.0	1.193	0.154	0	0	0	3
PL.22838	PL.23202	A	#1/0 ACSR	7.45Y	124.2	0.00	0.81	0.83	0	6	2	95	0.00	0.0	1.233	0.040	6	2	1	1
PL.23139	PL.23202	A	6 A (CWC)	7.45Y	124.2	0.01	0.82	0.93	1	7	2	96	0.00	0.0	1.354	0.161	0	0	0	2
PL.23203	PL.23139	A	6 A (CWC)	7.45Y	124.2	0.00	0.82	0.93	1	7	2	96	0.00	0.0	1.535	0.181	7	2	2	2
PL.21532	Millers Creek	ABC	336 MCM AC	7.50Y	125.0	0.01	0.01	83.63	16	1791	578	95	0.05	0.0	0.009	0.009	0	0	0	417
PL.27999	PL.21532	ABC	336 MCM AC	7.50Y	125.0	0.00	0.01	83.63	16	1791	578	95	0.01	0.0	0.011	0.002	0	0	0	417
---------- Feeder No. 2 (Youth Haven F2) Beginning with Device PD.3871 ----------																				
PD.3871	PL.27999	ABC	200VWE	7.50Y	125.0	0.00	0.01	83.63	0	1791	578	95	0.00	0.0	0.011	0.002	0	0	0	417
PL.28000	PD.3871	ABC	336 MCM AC	7.50Y	124.9	0.05	0.05	83.63	16	1791	578	95	0.42	0.0	0.082	0.071	8	2	2	417
PL.23011	PL.28000	ABC	336 MCM AC	7.50Y	124.9	0.03	0.08	83.25	16	1782	575	95	0.23	0.0	0.122	0.040	1	0	1	415
PL.23012	PL.23011	ABC	336 MCM AC	7.49Y	124.8	0.08	0.16	83.20	16	1781	574	95	0.68	0.0	0.239	0.117	0	0	0	414
PL.23014	PL.23012	ABC	336 MCM AC	7.49Y	124.8	0.03	0.18	82.91	16	1774	571	95	0.25	0.0	0.282	0.044	0	0	1	412

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

Balanced Voltage Drop Report
Source: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.23015	PL.23014	ABC	336 MCM AC	7.49Y	124.8	0.02	0.21	82.91	16	1773	570	95	0.19	0.0	0.316	0.034	7	2	1	411
PL.23016	PL.23015	ABC	336 MCM AC	7.48Y	124.7	0.05	0.25	82.57	16	1766	568	95	0.42	0.0	0.390	0.074	5	1	2	410
PL.23013	PL.23016	ABC	336 MCM AC	7.48Y	124.7	0.02	0.28	82.35	16	1761	565	95	0.21	0.0	0.427	0.037	2	1	1	408
PL.23008	PL.23013	ABC	336 MCM AC	7.48Y	124.7	0.04	0.31	82.24	16	1758	564	95	0.32	0.0	0.482	0.056	3	1	1	407
PL.23007	PL.23008	ABC	336 MCM AC	7.48Y	124.6	0.09	0.41	82.08	16	1754	562	95	0.83	0.0	0.629	0.146	0	0	0	406
PL.23892	PL.23007	C	#1/0 ACSR	7.48Y	124.6	0.00	0.41	0.01	0	0	0	100	0.00	0.0	0.640	0.011	0	0	0	1
PL.24411	PL.23892	C	6 A (CWC)	7.48Y	124.6	0.00	0.41	0.01	0	0	0	100	0.00	0.0	0.644	0.005	0	0	0	1
PD.3399	PL.24411	C	50T	7.48Y	124.6	0.00	0.41	0.01	0	0	0	100	0.00	0.0	0.644	0.005	0	0	0	1
PL.24412	PD.3399	C	6 A (CWC)	7.48Y	124.6	0.00	0.41	0.01	0	0	0	100	0.00	0.0	0.781	0.136	0	0	1	1
PL.24053	PL.24412	C	6 A (CWC)	7.48Y	124.6	0.00	0.41	0.00	0	0	0	100	0.00	0.0	0.856	0.076	0	0	0	0
PL.23005	PL.23007	ABC	336 MCM AC	7.47Y	124.5	0.08	0.49	82.07	16	1753	560	95	0.73	0.0	0.757	0.128	1	0	1	405
PL.23006	PL.23005	ABC	336 MCM AC	7.47Y	124.4	0.09	0.58	82.04	16	1752	559	95	0.84	0.0	0.904	0.147	0	0	0	404
PL.24409	PL.23006	C	#1/0 ACSR	7.47Y	124.4	0.00	0.58	0.06	0	0	0	100	0.00	0.0	0.909	0.005	0	0	0	1
PD.3398	PL.24409	C	50T	7.47Y	124.4	0.00	0.58	0.06	0	0	0	100	0.00	0.0	0.909	0.005	0	0	0	1
PL.24410	PD.3398	C	#1/0 ACSR	7.47Y	124.4	0.00	0.58	0.06	0	0	0	100	0.00	0.0	0.928	0.019	0	0	1	1
PL.24078	PL.23006	ABC	336 MCM AC	7.46Y	124.4	0.07	0.65	82.02	16	1751	556	95	0.60	0.0	1.011	0.106	0	0	0	403
PL.23009	PL.24078	ABC	336 MCM AC	7.46Y	124.3	0.06	0.71	82.02	16	1750	555	95	0.54	0.0	1.107	0.096	0	0	1	403
PL.23010	PL.23009	ABC	336 MCM AC	7.45Y	124.2	0.12	0.83	82.02	16	1749	554	95	1.04	0.1	1.289	0.183	0	0	0	402
PL.23893	PL.23010	A	#1/0 ACSR	7.45Y	124.2	0.00	0.83	0.33	0	2	1	89	0.00	0.0	1.321	0.032	2	1	1	1
PL.24079	PL.23010	ABC	336 MCM AC	7.45Y	124.1	0.09	0.92	81.91	16	1746	551	95	0.80	0.0	1.431	0.142	0	0	0	401
PL.23003	PL.24079	ABC	336 MCM AC	7.44Y	124.0	0.07	0.99	81.91	16	1745	549	95	0.65	0.0	1.546	0.115	0	0	1	401
PL.23004	PL.23003	ABC	336 MCM AC	7.44Y	123.9	0.07	1.06	81.89	16	1744	547	95	0.65	0.0	1.662	0.116	0	0	0	400
PL.24132	PL.23004	ABC	336 MCM AC	7.43Y	123.9	0.08	1.14	81.89	16	1744	546	95	0.73	0.0	1.791	0.129	0	0	0	400
PL.24261	PL.24132	ABC	336 MCM AC	7.43Y	123.8	0.04	1.19	81.89	16	1743	544	95	0.38	0.0	1.858	0.067	0	0	1	400
PL.24262	PL.24261	ABC	336 MCM AC	7.43Y	123.8	0.03	1.22	81.88	16	1742	543	95	0.26	0.0	1.903	0.046	8	2	1	399
PL.24263	PL.24262	ABC	336 MCM AC	7.42Y	123.7	0.07	1.29	81.49	16	1734	540	95	0.64	0.0	2.018	0.115	0	0	0	398
PL.24133	PL.24263	ABC	336 MCM AC	7.42Y	123.6	0.07	1.35	81.49	16	1733	539	95	0.59	0.0	2.124	0.105	0	0	0	398
PL.24134	PL.24133	ABC	336 MCM AC	7.42Y	123.6	0.04	1.40	81.49	16	1732	537	96	0.37	0.0	2.190	0.066	0	0	0	398
PL.24216	PL.24134	ABC	336 MCM AC	7.41Y	123.6	0.03	1.42	81.49	16	1732	536	96	0.26	0.0	2.237	0.047	2	0	1	398
PL.24217	PL.24216	ABC	336 MCM AC	7.41Y	123.5	0.05	1.47	81.41	16	1730	535	96	0.44	0.0	2.316	0.079	8	2	2	396
PL.23897	PL.24217	ABC	336 MCM AC	7.41Y	123.5	0.06	1.54	81.03	16	1721	532	96	0.54	0.0	2.414	0.098	0	0	0	394

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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.24080	PL.23897	ABC	336 MCM AC	7.41Y	123.4	0.03	1.56	75.80	15	1609	499	96	0.23	0.0	2.462	0.048	0	0	0	368
PL.24515	PL.24080	ABC	336 MCM AC	7.40Y	123.4	0.03	1.60	75.80	15	1609	499	96	0.26	0.0	2.517	0.055	0	0	0	368
PL.24516	PL.24515	ABC	336 MCM AC	7.40Y	123.4	0.02	1.62	75.80	15	1608	498	96	0.19	0.0	2.556	0.039	0	0	0	368
PL.24090	PL.24516	ABC	336 MCM AC	7.40Y	123.3	0.08	1.70	75.78	15	1608	498	96	0.70	0.0	2.701	0.145	0	0	0	367
PL.24403	PL.24090	C	#1/0 ACSR	7.40Y	123.3	0.00	1.70	0.00	0	0	0	100	0.00	0.0	2.706	0.005	0	0	0	0
PD.3396	PL.24403	C	40T	7.40Y	123.3	0.00	1.70	0.00	0	0	0	100	0.00	0.0	2.706	0.005	0	0	0	0
PL.24404	PD.3396	C	#1/0 ACSR	7.40Y	123.3	0.00	1.70	0.00	0	0	0	100	0.00	0.0	2.724	0.018	0	0	0	0
PL.24405	PL.24090	ABC	336 MCM AC	7.40Y	123.3	0.00	1.71	75.78	15	1607	496	96	0.02	0.0	2.706	0.004	0	0	0	367
PL.24406	PL.24405	ABC	336 MCM AC	7.39Y	123.2	0.06	1.77	75.78	15	1607	496	96	0.50	0.0	2.809	0.104	0	0	0	367
PL.24401	PL.24406	A	#1/0 ACSR	7.39Y	123.2	0.00	1.77	1.15	0	8	2	97	0.00	0.0	2.814	0.005	0	0	0	4
PD.3395	PL.24401	A	40T	7.39Y	123.2	0.00	1.77	1.15	0	8	2	97	0.00	0.0	2.814	0.005	0	0	0	4
PL.24402	PD.3395	A	#1/0 ACSR	7.39Y	123.2	0.00	1.77	1.15	0	8	2	97	0.00	0.0	2.860	0.046	6	2	2	4
PL.23904	PL.24402	A	6 A (CWC)	7.39Y	123.2	0.00	1.77	0.37	0	3	1	95	0.00	0.0	2.917	0.057	0	0	0	2
PL.23905	PL.23904	A	#4 ACSR	7.39Y	123.2	0.00	1.77	0.37	0	3	1	95	0.00	0.0	3.055	0.138	0	0	0	2
PL.24146	PL.23905	A	#4 ACSR	7.39Y	123.2	0.00	1.77	0.37	0	3	1	95	0.00	0.0	3.126	0.071	0	0	0	2
PL.24147	PL.24146	A	#4 ACSR	7.39Y	123.2	0.00	1.77	0.37	0	3	1	95	0.00	0.0	3.219	0.092	2	1	1	2
PL.23354	PL.24147	A	#4 ACSR	7.39Y	123.2	0.00	1.77	0.07	0	1	0	100	0.00	0.0	3.301	0.083	1	0	1	1
PL.24091	PL.24406	ABC	336 MCM AC	7.39Y	123.2	0.07	1.84	75.40	15	1598	492	96	0.60	0.0	2.936	0.126	0	0	0	363
PL.24148	PL.24091	ABC	336 MCM AC	7.38Y	123.1	0.09	1.93	75.40	15	1598	491	96	0.76	0.0	3.094	0.158	0	0	0	363
PL.23000	PL.24148	ABC	336 MCM AC	7.38Y	123.0	0.05	1.98	75.40	15	1597	489	96	0.38	0.0	3.173	0.079	7	2	1	363
PL.23001	PL.23000	ABC	336 MCM AC	7.38Y	122.9	0.09	2.07	75.05	14	1589	486	96	0.73	0.0	3.328	0.155	10	3	1	362
PL.23002	PL.23001	ABC	336 MCM AC	7.37Y	122.9	0.04	2.10	74.61	14	1579	482	96	0.30	0.0	3.392	0.064	3	1	1	361
PL.22999	PL.23002	ABC	336 MCM AC	7.37Y	122.9	0.04	2.14	74.46	14	1576	480	96	0.34	0.0	3.464	0.072	0	0	0	360
PL.22996	PL.22999	ABC	336 MCM AC	7.37Y	122.8	0.02	2.17	74.08	14	1567	477	96	0.20	0.0	3.506	0.042	0	0	0	358
PL.22997	PL.22996	ABC	336 MCM AC	7.37Y	122.8	0.03	2.19	74.08	14	1567	477	96	0.22	0.0	3.554	0.048	2	0	1	358
PL.22998	PL.22997	ABC	336 MCM AC	7.37Y	122.8	0.04	2.23	74.01	14	1565	476	96	0.30	0.0	3.618	0.064	0	0	0	357
PL.24266	PL.22998	ABC	336 MCM AC	7.36Y	122.7	0.03	2.26	74.01	14	1565	475	96	0.23	0.0	3.669	0.050	9	3	1	357
PL.22995	PL.24266	ABC	336 MCM AC	7.36Y	122.7	0.04	2.30	73.58	14	1556	472	96	0.30	0.0	3.735	0.067	0	0	0	356
PL.24092	PL.22995	ABC	336 MCM AC	7.36Y	122.6	0.08	2.38	73.12	14	1545	469	96	0.65	0.0	3.879	0.144	0	0	0	355
PL.24264	PL.24092	ABC	336 MCM AC	7.35Y	122.6	0.07	2.45	73.12	14	1545	467	96	0.59	0.0	4.010	0.131	2	1	1	355
PL.24265	PL.24264	ABC	336 MCM AC	7.35Y	122.5	0.04	2.49	73.03	14	1542	465	96	0.34	0.0	4.085	0.076	0	0	0	354

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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.24093	PL.24265	ABC	336 MCM AC	7.35Y	122.5	0.04	2.54	73.03	14	1542	464	96	0.36	0.0	4.165	0.080	0	0	1	354
PL.24391	PL.24093	C	6 A (CWC)	7.35Y	122.5	0.00	2.54	8.88	6	63	18	96	0.00	0.0	4.170	0.005	0	0	0	11
PD.3390	PL.24391	C	40T	7.35Y	122.5	0.00	2.54	8.88	0	63	18	96	0.00	0.0	4.170	0.005	0	0	0	11
PL.24392	PD.3390	C	6 A (CWC)	7.34Y	122.4	0.05	2.58	8.88	6	63	18	96	0.02	0.0	4.283	0.113	0	0	0	11
PL.24057	PL.24392	C	6 A (CWC)	7.34Y	122.4	0.01	2.59	3.31	2	23	7	96	0.00	0.0	4.346	0.063	1	0	1	4
PL.24056	PL.24057	C	#4 ACSR	7.34Y	122.4	0.00	2.60	3.11	2	22	6	96	0.00	0.0	4.383	0.037	2	1	1	3
PL.24055	PL.24056	C	#1/0 ACSR	7.34Y	122.4	0.00	2.60	0.50	0	4	1	97	0.00	0.0	4.435	0.052	4	1	1	1
PL.24054	PL.24056	C	#1/0 ACSR	7.34Y	122.4	0.00	2.60	2.34	1	17	5	96	0.00	0.0	4.472	0.089	17	5	1	1
PL.24218	PL.24392	C	6 A (CWC)	7.34Y	122.4	0.02	2.60	5.57	4	39	11	96	0.00	0.0	4.357	0.074	7	2	1	7
PL.24219	PL.24218	C	6 A (CWC)	7.34Y	122.4	0.01	2.61	2.42	2	17	5	96	0.00	0.0	4.406	0.049	0	0	0	5
PL.24094	PL.24219	C	6 A (CWC)	7.34Y	122.4	0.00	2.61	0.96	1	7	2	96	0.00	0.0	4.433	0.028	7	2	2	2
PL.24058	PL.24219	C	#1/0 ACSR	7.34Y	122.4	0.00	2.61	1.46	1	10	3	96	0.00	0.0	4.462	0.056	10	3	3	3
PL.24059	PL.24218	C	#4 ACSR	7.34Y	122.4	0.00	2.60	2.22	2	16	4	97	0.00	0.0	4.388	0.031	16	4	1	1
PL.23906	PL.24093	ABC	336 MCM AC	7.34Y	122.4	0.08	2.61	70.07	14	1479	446	96	0.60	0.0	4.311	0.145	0	0	0	342
PL.24150	PL.23906	ABC	336 MCM AC	7.34Y	122.3	0.06	2.67	70.07	14	1478	445	96	0.43	0.0	4.415	0.104	0	0	0	342
PL.24151	PL.24150	ABC	336 MCM AC	7.34Y	122.3	0.07	2.74	70.07	14	1478	444	96	0.53	0.0	4.544	0.129	0	0	0	342
PL.24152	PL.24151	ABC	336 MCM AC	7.33Y	122.2	0.09	2.83	70.07	14	1477	442	96	0.68	0.0	4.708	0.164	0	0	0	342
PL.24153	PL.24152	ABC	336 MCM AC	7.32Y	122.1	0.09	2.92	70.07	14	1476	441	96	0.70	0.0	4.878	0.170	0	0	0	342
PL.24154	PL.24153	ABC	336 MCM AC	7.32Y	122.0	0.08	2.99	70.07	14	1476	439	96	0.60	0.0	5.022	0.144	0	0	0	342
PL.24155	PL.24154	ABC	336 MCM AC	7.32Y	121.9	0.07	3.06	70.07	14	1475	438	96	0.51	0.0	5.145	0.123	0	0	0	342
PL.24156	PL.24155	ABC	336 MCM AC	7.31Y	121.9	0.07	3.13	70.07	14	1475	436	96	0.51	0.0	5.270	0.124	0	0	0	342
PL.24157	PL.24156	ABC	336 MCM AC	7.31Y	121.8	0.07	3.19	70.07	14	1474	435	96	0.51	0.0	5.393	0.123	0	0	0	342
PL.24158	PL.24157	ABC	336 MCM AC	7.31Y	121.8	0.03	3.22	70.07	14	1474	434	96	0.20	0.0	5.441	0.048	0	0	0	342
PL.24095	PL.24158	ABC	336 MCM AC	7.30Y	121.7	0.06	3.27	69.46	13	1461	430	96	0.43	0.0	5.548	0.107	0	0	0	338
PL.23922	PL.24095	ABC	336 MCM AC	7.30Y	121.7	0.04	3.32	62.71	12	1318	388	96	0.31	0.0	5.642	0.094	0	0	0	271
PL.24497	PL.23922	ABC	336 MCM AC	7.30Y	121.7	0.00	3.32	62.71	12	1318	388	96	0.02	0.0	5.646	0.005	0	0	0	271
PD.3443-A	PL.24497	ABC	Closed	7.30Y	121.7	0.00	3.32	62.71	0	1318	388	96	0.00	0.0	5.646	0.005	0	0	0	271
PD.3443-B	PD.3443-A	ABC	Closed	7.30Y	121.7	0.00	3.32	62.71	0	1318	388	96	0.00	0.0	5.646	0.005	0	0	0	271
PL.24498	PD.3443-B	ABC	336 MCM AC	7.30Y	121.6	0.04	3.36	62.71	12	1318	388	96	0.29	0.0	5.734	0.088	0	0	0	271
PL.24185	PL.24498	ABC	336 MCM AC	7.30Y	121.6	0.06	3.42	62.71	12	1317	387	96	0.39	0.0	5.852	0.117	0	0	0	271
PL.24186	PL.24185	ABC	336 MCM AC	7.29Y	121.5	0.04	3.46	62.71	12	1317	386	96	0.31	0.0	5.945	0.094	0	0	0	271

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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.24103	PL.24186	ABC	336 MCM AC	7.29Y	121.5	0.04	3.50	62.61	12	1315	385	96	0.29	0.0	6.033	0.088	0	0	0	269
PL.24188	PL.24103	ABC	336 MCM AC	7.29Y	121.4	0.05	3.56	62.61	12	1314	384	96	0.38	0.0	6.149	0.116	0	0	0	269
PL.24189	PL.24188	ABC	336 MCM AC	7.28Y	121.4	0.04	3.60	62.61	12	1314	383	96	0.30	0.0	6.240	0.090	1	0	1	269
PL.23369	PL.24189	ABC	336 MCM AC	7.28Y	121.4	0.05	3.65	62.57	12	1313	382	96	0.33	0.0	6.340	0.100	0	0	0	268
PL.24190	PL.23369	ABC	336 MCM AC	7.28Y	121.3	0.05	3.70	62.57	12	1312	382	96	0.38	0.0	6.453	0.114	0	0	0	268
PL.24191	PL.24190	ABC	336 MCM AC	7.27Y	121.2	0.06	3.76	62.57	12	1312	381	96	0.39	0.0	6.572	0.119	0	0	0	268
PL.24471	PL.24191	A	#1/0 ACSR	7.27Y	121.2	0.00	3.76	1.42	1	10	3	96	0.00	0.0	6.577	0.005	0	0	0	4
PD.3430	PL.24471	A	50T	7.27Y	121.2	0.00	3.76	1.42	0	10	3	96	0.00	0.0	6.577	0.005	0	0	0	4
PL.24472	PD.3430	A	#1/0 ACSR	7.27Y	121.2	0.00	3.76	1.42	1	10	3	96	0.00	0.0	6.644	0.068	8	2	1	4
PL.23372	PL.24472	A	#4 ACSR	7.27Y	121.2	0.00	3.76	0.34	0	2	1	89	0.00	0.0	6.753	0.108	0	0	0	3
PL.23371	PL.23372	A	6 A (CWC)	7.27Y	121.2	0.00	3.76	0.34	0	2	1	89	0.00	0.0	6.814	0.062	2	1	3	3
PL.24485	PL.24191	A	#1/0 ACSR	7.27Y	121.2	0.00	3.76	1.40	1	10	3	96	0.00	0.0	6.576	0.004	0	0	0	1
PD.3438	PL.24485	A	50T	7.27Y	121.2	0.00	3.76	1.40	0	10	3	96	0.00	0.0	6.576	0.004	0	0	0	1
PL.24486	PD.3438	A	#1/0 ACSR	7.27Y	121.2	0.00	3.76	1.40	1	10	3	96	0.00	0.0	6.579	0.003	0	0	0	1
PL.23370	PL.24486	A	#4 ACSR	7.27Y	121.2	0.00	3.76	1.40	1	10	3	96	0.00	0.0	6.630	0.051	0	0	0	1
PL.24075	PL.23370	A	#4 ACSR	7.27Y	121.2	0.00	3.76	1.40	1	10	3	96	0.00	0.0	6.650	0.019	10	3	1	1
PL.24104	PL.24191	ABC	336 MCM AC	7.27Y	121.2	0.04	3.80	61.63	12	1292	374	96	0.28	0.0	6.661	0.089	0	0	0	263
PL.24192	PL.24104	ABC	336 MCM AC	7.27Y	121.2	0.05	3.85	61.63	12	1292	374	96	0.34	0.0	6.766	0.105	0	0	0	263
PL.23939	PL.24192	ABC	336 MCM AC	7.27Y	121.1	0.05	3.90	61.63	12	1291	373	96	0.37	0.0	6.882	0.116	0	0	0	263
PL.24193	PL.23939	ABC	336 MCM AC	7.26Y	121.1	0.04	3.94	61.63	12	1291	372	96	0.26	0.0	6.963	0.081	0	0	0	263
PL.24194	PL.24193	ABC	336 MCM AC	7.26Y	121.0	0.06	4.00	61.63	12	1291	371	96	0.40	0.0	7.088	0.125	0	0	0	263
PL.24195	PL.24194	ABC	336 MCM AC	7.26Y	120.9	0.05	4.05	61.63	12	1290	370	96	0.37	0.0	7.205	0.117	0	0	0	263
PL.23940	PL.24195	ABC	336 MCM AC	7.26Y	120.9	0.03	4.08	61.63	12	1290	369	96	0.20	0.0	7.269	0.063	0	0	0	263
PL.24507	PL.23940	B	#1/0 ACSR	7.26Y	120.9	0.00	4.08	52.26	23	365	104	96	0.01	0.0	7.271	0.003	0	0	0	72
PD.10803	PL.24507	B	100CodeSMo	7.26Y	120.9	0.00	4.08	52.26	0	365	104	96	0.00	0.0	7.271	0.003	0	0	0	72
PL.24508	PD.10803	B	#1/0 ACSR	7.25Y	120.9	0.03	4.11	52.26	23	365	104	96	0.07	0.0	7.296	0.025	0	0	0	72
PL.23941	PL.24508	B	6 A (CWC)	7.25Y	120.9	0.01	4.12	2.91	2	20	6	96	0.00	0.0	7.338	0.042	0	0	0	1
PL.23943	PL.23941	B	#4 ACSR	7.25Y	120.9	0.00	4.12	2.91	2	20	6	96	0.00	0.0	7.408	0.070	20	6	1	1
PL.24106	PL.23941	B	6 A (CWC)	7.25Y	120.9	0.00	4.12	0.00	0	0	0	100	0.00	0.0	7.355	0.017	0	0	0	0
PL.23942	PL.24508	B	6 A (CWC)	7.25Y	120.8	0.08	4.19	49.35	35	344	98	96	0.20	0.1	7.331	0.034	0	0	0	71
PL.23384	PL.23942	B	6 A (CWC)	7.23Y	120.5	0.33	4.52	49.35	35	344	98	96	0.87	0.3	7.479	0.148	3	1	1	71

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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.23945	PL.23384	B	6 A (CWC)	7.23Y	120.5	0.01	4.53	2.35	2	16	5	95	0.00	0.0	7.530	0.051	0	0	0	1
PL.23949	PL.23945	B	6 A (CWC)	7.23Y	120.5	0.00	4.53	2.35	2	16	5	95	0.00	0.0	7.570	0.040	16	5	1	1
PL.23944	PL.23384	B	#4 ACSR	7.23Y	120.5	0.00	4.52	0.00	0	0	0	100	0.00	0.0	7.504	0.026	0	0	0	0
PL.24341	PL.23384	B	6 A (CWC)	7.23Y	120.5	0.01	4.53	4.58	3	32	9	96	0.00	0.0	7.524	0.045	0	0	0	7
PL.24342	PL.24341	B	6 A (CWC)	7.23Y	120.5	0.01	4.54	4.58	3	32	9	96	0.00	0.0	7.578	0.055	12	3	1	7
PL.24340	PL.24342	B	6 A (CWC)	7.23Y	120.5	0.00	4.55	2.89	2	20	6	96	0.00	0.0	7.612	0.034	7	2	1	6
PL.23948	PL.24340	B	#4 ACSR	7.23Y	120.5	0.00	4.55	0.13	0	1	0	100	0.00	0.0	7.660	0.048	1	0	1	1
PL.23946	PL.24340	B	6 A (CWC)	7.23Y	120.5	0.00	4.55	0.14	0	1	0	100	0.00	0.0	7.642	0.029	1	0	1	1
PL.23947	PL.24340	B	#1/0 ACSR	7.23Y	120.5	0.00	4.55	1.59	1	11	3	96	0.00	0.0	7.660	0.048	11	3	3	3
PL.23385	PL.23384	B	6 A (CWC)	7.22Y	120.4	0.11	4.63	41.93	30	292	83	96	0.24	0.1	7.534	0.055	1	0	1	62
PL.24336	PL.23385	B	6 A (CWC)	7.22Y	120.3	0.09	4.72	41.84	30	291	82	96	0.20	0.1	7.581	0.047	0	0	1	61
PL.24337	PL.24336	B	6 A (CWC)	7.20Y	120.0	0.27	4.99	41.83	30	290	82	96	0.58	0.2	7.722	0.141	11	3	2	60
PL.23950	PL.24337	B	6 A (CWC)	7.20Y	120.0	0.05	5.03	39.13	28	271	77	96	0.10	0.0	7.749	0.027	8	2	3	56
PL.24334	PL.23950	B	6 A (CWC)	7.19Y	119.9	0.12	5.15	37.92	27	263	74	96	0.23	0.1	7.818	0.069	19	5	2	53
PL.24335	PL.24334	B	6 A (CWC)	7.18Y	119.7	0.16	5.31	35.10	25	243	69	96	0.30	0.1	7.917	0.099	0	0	0	51
PL.24457	PL.24335	B	6 A (CWC)	7.18Y	119.7	0.00	5.31	7.61	5	53	15	96	0.00	0.0	7.922	0.005	0	0	0	11
PD.3423	PL.24457	B	15T	7.18Y	119.7	0.00	5.31	7.61	0	53	15	96	0.00	0.0	7.922	0.005	0	0	0	11
PL.24458	PD.3423	B	6 A (CWC)	7.18Y	119.7	0.03	5.34	7.61	5	53	15	96	0.01	0.0	8.000	0.078	0	0	0	11
PL.24197	PL.24458	B	6 A (CWC)	7.18Y	119.6	0.04	5.38	7.61	5	53	15	96	0.02	0.0	8.109	0.109	0	0	0	11
PL.24196	PL.24197	B	6 A (CWC)	7.18Y	119.6	0.01	5.39	7.61	5	53	15	96	0.00	0.0	8.141	0.031	0	0	0	11
PL.23954	PL.24196	B	6 A (CWC)	7.18Y	119.6	0.03	5.41	7.61	5	53	15	96	0.01	0.0	8.215	0.074	0	0	0	11
PL.24332	PL.23954	B	#4 ACSR	7.17Y	119.6	0.01	5.42	7.61	6	53	15	96	0.00	0.0	8.231	0.016	4	1	1	11
PL.24333	PL.24332	B	#4 ACSR	7.17Y	119.6	0.02	5.44	6.97	5	48	13	97	0.01	0.0	8.311	0.080	0	0	0	10
PL.24330	PL.24333	B	#4 ACSR	7.17Y	119.5	0.02	5.46	6.97	5	48	13	97	0.01	0.0	8.377	0.066	0	0	1	10
PL.24331	PL.24330	B	#4 ACSR	7.17Y	119.5	0.01	5.47	6.97	5	48	13	97	0.00	0.0	8.399	0.023	0	0	0	9
PL.23390	PL.24331	B	#4 ACSR	7.17Y	119.5	0.01	5.48	6.97	5	48	13	97	0.00	0.0	8.440	0.040	7	2	1	9
PL.24328	PL.23390	B	#2 ACSR	7.17Y	119.5	0.00	5.49	3.36	2	23	6	97	0.00	0.0	8.485	0.046	4	1	1	5
PL.24329	PL.24328	B	#2 ACSR	7.17Y	119.5	0.00	5.49	2.72	2	19	5	97	0.00	0.0	8.529	0.044	2	1	1	4
PL.23958	PL.24329	B	#4 ACSR	7.17Y	119.5	0.00	5.49	2.46	2	17	5	96	0.00	0.0	8.543	0.014	0	0	0	3
PL.23960	PL.23958	B	#4 ACSR	7.17Y	119.5	0.00	5.49	1.25	1	9	2	98	0.00	0.0	8.600	0.056	9	2	1	1
PL.23959	PL.23958	B	#4 ACSR	7.17Y	119.5	0.00	5.49	1.21	1	8	2	97	0.00	0.0	8.581	0.037	8	2	2	2

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

Balanced Voltage Drop Report
Source: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.23389	PL.23390	B	#4 ACSR	7.17Y	119.5	0.01	5.49	2.54	2	18	5	96	0.00	0.0	8.497	0.058	0	0	0	3
PL.23956	PL.23389	B	#4 ACSR	7.17Y	119.5	0.00	5.49	0.71	1	5	1	98	0.00	0.0	8.532	0.035	0	0	0	1
PL.23957	PL.23956	B	#4 ACSR	7.17Y	119.5	0.00	5.49	0.71	1	5	1	98	0.00	0.0	8.675	0.143	0	0	0	1
PL.24198	PL.23957	B	#4 ACSR	7.17Y	119.5	0.00	5.50	0.71	1	5	1	98	0.00	0.0	8.806	0.131	0	0	0	1
PL.24199	PL.24198	B	#4 ACSR	7.17Y	119.5	0.00	5.50	0.71	1	5	1	98	0.00	0.0	8.911	0.105	5	1	1	1
PL.23392	PL.23389	B	#4 ACSR	7.17Y	119.5	0.00	5.49	1.83	1	13	4	96	0.00	0.0	8.539	0.041	0	0	0	2
PL.23391	PL.23392	B	#4 ACSR	7.17Y	119.5	0.01	5.50	1.77	1	12	3	97	0.00	0.0	8.680	0.141	12	3	1	1
PL.23955	PL.23392	B	#4 ACSR	7.17Y	119.5	0.00	5.49	0.06	0	0	0	100	0.00	0.0	8.579	0.041	0	0	1	1
PL.72559	PL.24335	B	#1/0 ACSR	7.18Y	119.7	0.00	5.31	27.49	12	190	54	96	0.00	0.0	7.921	0.004	0	0	0	40
PD.10802	PL.72559	B	50L	7.18Y	119.7	0.00	5.31	27.49	55	190	54	96	0.00	0.0	7.921	0.004	0	0	0	40
PL.72558	PD.10802	B	#1/0 ACSR	7.18Y	119.7	0.03	5.34	27.49	12	190	54	96	0.04	0.0	7.970	0.049	0	0	0	40
PL.23952	PL.72558	B	#1/0 ACSR	7.18Y	119.6	0.03	5.38	27.49	12	190	54	96	0.04	0.0	8.022	0.052	1	0	1	40
PL.23951	PL.23952	B	#4 ACSR	7.17Y	119.6	0.07	5.45	27.29	21	189	53	96	0.10	0.1	8.080	0.058	0	0	1	39
PL.23381	PL.23951	B	#4 ACSR	7.17Y	119.6	0.00	5.45	1.24	1	9	2	98	0.00	0.0	8.119	0.039	9	2	2	2
PL.24249	PL.23951	B	#4 ACSR	7.17Y	119.5	0.08	5.53	26.01	20	180	51	96	0.11	0.1	8.153	0.073	10	3	3	36
PL.24250	PL.24249	B	#4 ACSR	7.16Y	119.4	0.06	5.59	24.54	19	169	48	96	0.08	0.0	8.212	0.059	5	1	1	33
PL.24251	PL.24250	B	#4 ACSR	7.16Y	119.3	0.11	5.71	22.11	17	153	43	96	0.13	0.1	8.327	0.114	0	0	1	29
PL.24252	PL.24251	B	#4 ACSR	7.16Y	119.3	0.03	5.74	22.06	17	152	43	96	0.04	0.0	8.358	0.031	0	0	0	28
PL.24108	PL.24252	B	#4 ACSR	7.15Y	119.2	0.07	5.80	20.02	15	138	39	96	0.07	0.1	8.431	0.074	0	0	0	26
PL.23964	PL.24108	B	#4 ACSR	7.15Y	119.1	0.07	5.87	20.02	15	138	39	96	0.07	0.1	8.509	0.077	0	0	0	26
PL.23379	PL.23964	B	#4 ACSR	7.14Y	119.0	0.08	5.96	19.46	15	134	38	96	0.09	0.1	8.610	0.101	10	3	2	25
PL.23966	PL.23379	B	#4 ACSR	7.14Y	119.0	0.01	5.97	3.21	2	22	6	96	0.00	0.0	8.732	0.123	8	2	2	5
PL.23967	PL.23966	B	#4 ACSR	7.14Y	119.0	0.00	5.97	1.01	1	7	2	96	0.00	0.0	8.837	0.105	7	2	2	2
PL.23968	PL.23966	B	#1/0 ACSR	7.14Y	119.0	0.00	5.97	1.02	0	7	2	96	0.00	0.0	8.790	0.057	7	2	1	1
PL.23380	PL.23379	B	#4 ACSR	7.14Y	119.0	0.05	6.00	14.80	11	102	29	96	0.04	0.0	8.683	0.073	0	0	0	18
PL.24253	PL.23380	B	#4 ACSR	7.14Y	119.0	0.04	6.04	14.80	11	102	29	96	0.03	0.0	8.748	0.065	14	4	2	18
PL.24254	PL.24253	B	#4 ACSR	7.14Y	118.9	0.04	6.08	12.83	10	88	25	96	0.03	0.0	8.813	0.065	0	0	0	16
PL.23969	PL.24254	B	#1/0 ACSR	7.14Y	118.9	0.00	6.08	2.17	1	15	4	97	0.00	0.0	8.848	0.035	15	4	2	2
PL.24255	PL.24254	B	#4 ACSR	7.13Y	118.9	0.02	6.11	10.66	8	73	21	96	0.01	0.0	8.865	0.053	1	0	1	14
PL.24256	PL.24255	B	#4 ACSR	7.13Y	118.9	0.02	6.13	10.48	8	72	20	96	0.01	0.0	8.912	0.046	0	0	0	13
PL.24257	PL.24256	B	#4 ACSR	7.13Y	118.9	0.00	6.13	3.54	3	24	7	96	0.00	0.0	8.957	0.045	22	6	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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.24258	PL.24257	B	#4 ACSR	7.13Y	118.9	0.00	6.13	0.33	0	2	1	89	0.00	0.0	9.013	0.056	2	1	1	1
PL.23970	PL.24256	B	#4 ACSR	7.13Y	118.9	0.00	6.13	1.44	1	10	3	96	0.00	0.0	9.024	0.112	10	3	1	1
PL.23971	PL.24256	B	#4 ACSR	7.13Y	118.8	0.02	6.15	5.50	4	38	11	96	0.01	0.0	9.006	0.095	0	0	1	9
PL.23972	PL.23971	B	#4 ACSR	7.13Y	118.8	0.01	6.16	5.50	4	38	11	96	0.00	0.0	9.031	0.025	0	0	0	8
PL.24109	PL.23972	B	#4 ACSR	7.13Y	118.8	0.02	6.18	3.27	3	22	6	96	0.00	0.0	9.159	0.128	0	0	0	6
PL.23027	PL.24109	B	#4 ACSR	7.13Y	118.8	0.02	6.20	3.27	3	22	6	96	0.00	0.0	9.315	0.155	3	1	1	6
PL.23028	PL.23027	B	#4 ACSR	7.13Y	118.8	0.02	6.21	2.83	2	19	5	97	0.00	0.0	9.445	0.130	0	0	0	5
PL.24200	PL.23028	B	#4 ACSR	7.13Y	118.8	0.02	6.24	2.83	2	19	5	97	0.00	0.0	9.622	0.176	0	0	0	5
PL.24201	PL.24200	B	#4 ACSR	7.13Y	118.8	0.01	6.25	2.83	2	19	5	97	0.00	0.0	9.732	0.110	0	0	0	5
PL.23974	PL.24201	B	#4 ACSR	7.12Y	118.7	0.01	6.26	2.83	2	19	5	97	0.00	0.0	9.812	0.080	0	0	0	5
PL.23976	PL.23974	B	#4 ACSR	7.12Y	118.7	0.00	6.26	0.59	0	4	1	97	0.00	0.0	9.874	0.062	4	1	1	1
PL.23975	PL.23974	B	#4 ACSR	7.12Y	118.7	0.00	6.26	0.53	0	4	1	97	0.00	0.0	9.880	0.068	4	1	1	1
PL.24110	PL.23974	B	#4 ACSR	7.12Y	118.7	0.01	6.27	1.71	1	12	3	97	0.00	0.0	9.967	0.154	3	1	1	3
PL.23978	PL.24110	B	#4 ACSR	7.12Y	118.7	0.00	6.27	0.85	1	6	2	95	0.00	0.0	10.094	0.127	6	2	1	1
PL.23979	PL.23978	B	#4 ACSR	7.12Y	118.7	0.00	6.27	0.00	0	0	0	100	0.00	0.0	10.172	0.077	0	0	0	0
PL.23977	PL.24110	B	#4 ACSR	7.12Y	118.7	0.00	6.27	0.46	0	3	1	95	0.00	0.0	10.022	0.055	3	1	1	1
PL.23973	PL.23972	B	#4 ACSR	7.13Y	118.8	0.00	6.16	2.22	2	15	4	97	0.00	0.0	9.095	0.063	15	4	2	2
PL.23965	PL.23964	B	#4 ACSR	7.15Y	119.1	0.00	5.87	0.55	0	4	1	97	0.00	0.0	8.550	0.041	4	1	1	1
PL.23963	PL.24252	B	#4 ACSR	7.16Y	119.3	0.00	5.74	2.04	2	14	4	96	0.00	0.0	8.401	0.043	14	4	2	2
PL.23961	PL.24250	B	#4 ACSR	7.16Y	119.4	0.00	5.59	1.75	1	12	3	97	0.00	0.0	8.226	0.014	0	0	0	3
PL.24107	PL.23961	B	#4 ACSR	7.16Y	119.4	0.00	5.59	0.81	1	6	2	95	0.00	0.0	8.269	0.043	6	2	2	2
PL.23962	PL.23961	B	#4 ACSR	7.16Y	119.4	0.00	5.60	0.94	1	6	2	95	0.00	0.0	8.269	0.043	6	2	1	1
PL.24338	PL.24337	B	6 A (CWC)	7.20Y	120.0	0.00	4.99	1.08	1	8	2	97	0.00	0.0	7.747	0.025	6	2	1	2
PL.24339	PL.24338	B	6 A (CWC)	7.20Y	120.0	0.00	4.99	0.19	0	1	0	100	0.00	0.0	7.809	0.062	1	0	1	1
PL.24105	PL.23940	ABC	336 MCM AC	7.25Y	120.9	0.01	4.09	44.21	9	925	265	96	0.07	0.0	7.312	0.044	0	0	0	191
PL.23382	PL.24105	ABC	336 MCM AC	7.25Y	120.9	0.01	4.11	44.21	9	925	265	96	0.07	0.0	7.354	0.042	7	2	1	191
PL.23980	PL.23382	ABC	336 MCM AC	7.25Y	120.9	0.01	4.12	37.00	7	774	223	96	0.06	0.0	7.404	0.050	0	0	0	156
PL.24513	PL.23980	ABC	336 MCM AC	7.25Y	120.9	0.00	4.12	37.00	7	774	223	96	0.00	0.0	7.407	0.003	0	0	0	156
PD.3451	PL.24513	ABC	70L	7.25Y	120.9	0.00	4.12	37.00	53	774	223	96	0.00	0.0	7.407	0.003	0	0	0	156
PL.24514	PD.3451	ABC	336 MCM AC	7.25Y	120.8	0.04	4.17	37.00	7	774	223	96	0.18	0.0	7.564	0.158	0	0	0	156
PL.24113	PL.24514	ABC	336 MCM AC	7.25Y	120.8	0.03	4.19	36.46	7	762	219	96	0.11	0.0	7.658	0.094	0	0	0	155

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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.24114	PL.24113	ABC	336 MCM AC	7.25Y	120.8	0.01	4.20	36.09	7	754	216	96	0.04	0.0	7.698	0.040	0	0	0	154
PL.24115	PL.24114	ABC	336 MCM AC	7.25Y	120.8	0.01	4.22	35.72	7	747	214	96	0.05	0.0	7.743	0.045	0	0	1	153
PL.23993	PL.24115	ABC	336 MCM AC	7.25Y	120.8	0.01	4.23	35.71	7	746	214	96	0.05	0.0	7.791	0.048	0	0	0	152
PL.24290	PL.23993	ABC	#4 ACSR	7.25Y	120.8	0.00	4.23	1.93	1	40	11	96	0.00	0.0	7.814	0.023	0	0	1	7
PL.24489	PL.24290	ABC	#4 ACSR	7.25Y	120.8	0.00	4.23	1.93	1	40	11	96	0.00	0.0	7.818	0.005	0	0	0	6
PD.3440	PL.24489	ABC	20T	7.25Y	120.8	0.00	4.23	1.93	0	40	11	96	0.00	0.0	7.818	0.005	0	0	0	6
PL.24490	PD.3440	ABC	#4 ACSR	7.25Y	120.8	0.00	4.23	1.93	1	40	11	96	0.00	0.0	7.860	0.042	0	0	0	6
PL.24117	PL.24490	ABC	#4 ACSR	7.25Y	120.8	0.00	4.24	1.20	1	25	7	96	0.00	0.0	7.937	0.077	0	0	1	4
PL.24288	PL.24117	ABC	#4 ACSR	7.25Y	120.8	0.00	4.24	1.20	1	25	7	96	0.00	0.0	7.957	0.020	0	0	0	3
PL.24289	PL.24288	ABC	#4 ACSR	7.25Y	120.8	0.00	4.24	1.20	1	25	7	96	0.00	0.0	8.047	0.090	0	0	0	3
PL.23995	PL.24289	ABC	#4 ACSR	7.25Y	120.8	0.00	4.24	0.00	0	0	0	100	0.00	0.0	8.154	0.107	0	0	1	1
PL.23997	PL.24289	A	#4 ACSR	7.25Y	120.8	0.00	4.24	3.61	3	25	7	96	0.00	0.0	8.052	0.005	0	0	0	2
PD.3414	PL.23997	A	12T	7.25Y	120.8	0.00	4.24	3.61	0	25	7	96	0.00	0.0	8.052	0.005	0	0	0	2
PL.24118	PD.3414	A	#4 ACSR	7.25Y	120.8	0.01	4.25	1.92	1	13	4	96	0.00	0.0	8.121	0.069	0	0	0	1
PL.24206	PL.24118	A	#4 ACSR	7.24Y	120.7	0.01	4.25	1.92	1	13	4	96	0.00	0.0	8.268	0.146	13	4	1	1
PL.23996	PD.3414	A	#4 ACSR	7.25Y	120.8	0.00	4.24	1.69	1	12	3	97	0.00	0.0	8.114	0.063	12	3	1	1
PL.24441	PL.24490	B	#1/0 ACSR	7.25Y	120.8	0.00	4.23	2.19	1	15	4	97	0.00	0.0	7.865	0.005	0	0	0	2
PD.3415	PL.24441	B	12T	7.25Y	120.8	0.00	4.23	2.19	0	15	4	97	0.00	0.0	7.865	0.005	0	0	0	2
PL.24442	PD.3415	B	#1/0 ACSR	7.25Y	120.8	0.00	4.23	2.19	1	15	4	97	0.00	0.0	7.887	0.022	15	4	2	2
PL.24309	PL.23993	ABC	336 MCM AC	7.25Y	120.8	0.01	4.24	32.57	6	681	196	96	0.04	0.0	7.833	0.042	0	0	1	141
PL.24310	PL.24309	ABC	336 MCM AC	7.25Y	120.8	0.01	4.25	32.57	6	681	195	96	0.04	0.0	7.875	0.043	1	0	1	140
PL.24119	PL.24310	ABC	336 MCM AC	7.24Y	120.7	0.01	4.26	25.04	5	523	151	96	0.04	0.0	7.949	0.074	10	3	1	109
PL.24324	PL.24119	ABC	336 MCM AC	7.24Y	120.7	0.01	4.27	24.58	5	513	148	96	0.03	0.0	8.016	0.067	5	2	1	108
PL.24325	PL.24324	ABC	336 MCM AC	7.24Y	120.7	0.02	4.30	24.33	5	508	147	96	0.06	0.0	8.135	0.119	0	0	0	107
PL.24006	PL.24325	C	#2 ACSR	7.24Y	120.7	0.00	4.30	1.78	1	12	3	97	0.00	0.0	8.139	0.005	0	0	0	3
PD.3432	PL.24006	C	20T	7.24Y	120.7	0.00	4.30	1.78	0	12	3	97	0.00	0.0	8.139	0.005	0	0	0	3
PL.24005	PD.3432	C	#2 ACSR	7.24Y	120.7	0.00	4.30	0.27	0	2	1	89	0.00	0.0	8.182	0.042	2	1	1	1
PL.24121	PD.3432	C	#2 ACSR	7.24Y	120.7	0.00	4.30	1.50	1	10	3	96	0.00	0.0	8.167	0.028	2	1	1	2
PL.24007	PL.24121	C	6 A (CWC)	7.24Y	120.7	0.00	4.30	1.15	1	8	2	97	0.00	0.0	8.219	0.052	8	2	1	1
PL.24227	PL.24325	ABC	336 MCM AC	7.24Y	120.7	0.01	4.30	23.73	5	495	143	96	0.02	0.0	8.177	0.042	3	1	1	104
PL.24228	PL.24227	ABC	336 MCM AC	7.24Y	120.7	0.03	4.33	22.39	4	467	135	96	0.07	0.0	8.354	0.177	0	0	0	98

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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.24427	PL.24228	C	#2 ACSR	7.24Y	120.7	0.00	4.33	0.76	0	5	1	98	0.00	0.0	8.359	0.005	0	0	0	1
PD.3407	PL.24427	C	20T	7.24Y	120.7	0.00	4.33	0.76	0	5	1	98	0.00	0.0	8.359	0.005	0	0	0	1
PL.24428	PD.3407	C	#2 ACSR	7.24Y	120.7	0.00	4.33	0.76	0	5	1	98	0.00	0.0	8.374	0.016	0	0	0	1
PL.24268	PL.24428	C	#2 ACSR	7.24Y	120.7	0.00	4.34	0.76	0	5	1	98	0.00	0.0	8.437	0.063	5	1	1	1
PL.23376	PL.24228	ABC	336 MCM AC	7.24Y	120.7	0.01	4.34	22.13	4	462	134	96	0.03	0.0	8.420	0.066	17	5	3	97
PL.24277	PL.23376	ABC	336 MCM AC	7.24Y	120.7	0.00	4.35	18.08	3	377	110	96	0.01	0.0	8.449	0.030	1	0	2	80
PL.24279	PL.24277	ABC	336 MCM AC	7.24Y	120.6	0.01	4.35	18.02	3	376	109	96	0.01	0.0	8.494	0.045	8	2	2	78
PL.24280	PL.24279	ABC	336 MCM AC	7.24Y	120.6	0.01	4.36	17.63	3	368	107	96	0.01	0.0	8.534	0.040	3	1	1	76
PL.24278	PL.24280	ABC	336 MCM AC	7.24Y	120.6	0.01	4.37	17.47	3	364	106	96	0.03	0.0	8.643	0.109	0	0	0	75
PL.24023	PL.24278	C	#2 ACSR	7.24Y	120.6	0.00	4.37	2.11	1	15	4	97	0.00	0.0	8.647	0.005	0	0	0	3
PD.3408	PL.24023	C	20T	7.24Y	120.6	0.00	4.37	2.11	0	15	4	97	0.00	0.0	8.647	0.005	0	0	0	3
PL.24123	PD.3408	C	#2 ACSR	7.24Y	120.6	0.00	4.37	0.15	0	1	0	100	0.00	0.0	8.683	0.036	1	0	1	1
PL.24024	PD.3408	C	#2 ACSR	7.24Y	120.6	0.00	4.38	1.95	1	14	4	96	0.00	0.0	8.689	0.041	14	4	2	2
PL.24025	PL.24278	ABC	336 MCM AC	7.24Y	120.6	0.01	4.39	16.76	3	349	102	96	0.03	0.0	8.756	0.113	0	0	0	72
PL.24207	PL.24025	ABC	336 MCM AC	7.24Y	120.6	0.01	4.40	16.76	3	349	102	96	0.03	0.0	8.863	0.107	0	0	0	72
PL.24477	PL.24207	C	#2 ACSR	7.24Y	120.6	0.00	4.40	6.73	4	47	13	96	0.00	0.0	8.867	0.005	0	0	0	8
PD.3434	PL.24477	C	20T	7.24Y	120.6	0.00	4.40	6.73	0	47	13	96	0.00	0.0	8.867	0.005	0	0	0	8
PL.24478	PD.3434	C	#2 ACSR	7.24Y	120.6	0.01	4.41	6.73	4	47	13	96	0.00	0.0	8.908	0.040	6	2	1	8
PL.24281	PL.24478	C	#2 ACSR	7.24Y	120.6	0.01	4.42	5.89	3	41	12	96	0.00	0.0	8.935	0.028	0	0	0	7
PL.24026	PL.24281	C	#2 ACSR	7.23Y	120.6	0.00	4.42	3.06	2	21	6	96	0.00	0.0	9.001	0.066	21	6	2	2
PL.24125	PL.24281	C	#2 ACSR	7.23Y	120.6	0.00	4.42	2.83	2	20	6	96	0.00	0.0	8.972	0.037	11	3	2	5
PL.24028	PL.24125	C	#2 ACSR	7.23Y	120.6	0.00	4.42	0.00	0	0	0	100	0.00	0.0	9.019	0.047	0	0	0	0
PL.24027	PL.24125	C	#4 ACSR	7.23Y	120.6	0.00	4.42	0.62	0	4	1	97	0.00	0.0	9.031	0.059	4	1	1	1
PL.24029	PL.24125	C	#4 ACSR	7.23Y	120.6	0.00	4.42	0.69	1	5	1	98	0.00	0.0	9.098	0.125	0	0	0	2
PL.24030	PL.24029	C	#4 ACSR	7.23Y	120.6	0.00	4.42	0.01	0	0	0	100	0.00	0.0	9.186	0.089	0	0	1	1
PL.24031	PL.24029	C	#4 ACSR	7.23Y	120.6	0.00	4.43	0.69	1	5	1	98	0.00	0.0	9.184	0.087	0	0	0	1
PL.24208	PL.24031	C	#4 ACSR	7.23Y	120.6	0.00	4.43	0.69	1	5	1	98	0.00	0.0	9.269	0.084	0	0	0	1
PL.24209	PL.24208	C	#4 ACSR	7.23Y	120.6	0.00	4.43	0.69	1	5	1	98	0.00	0.0	9.337	0.068	0	0	0	1
PL.24032	PL.24209	C	#1/0 ACSR	7.23Y	120.6	0.00	4.43	0.69	0	5	1	98	0.00	0.0	9.425	0.088	0	0	0	1
PL.24033	PL.24032	C	#1/0 ACSR	7.23Y	120.6	0.00	4.43	0.69	0	5	1	98	0.00	0.0	9.528	0.103	5	1	1	1
PL.24124	PL.24207	ABC	336 MCM AC	7.24Y	120.6	0.00	4.40	13.98	3	291	85	96	0.00	0.0	8.887	0.025	0	0	0	62

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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.24433	PL.24124	A	#4 ACSR	7.24Y	120.6	0.00	4.41	5.10	4	36	10	96	0.00	0.0	8.892	0.005	0	0	0	7
PD.3410	PL.24433	A	20T	7.24Y	120.6	0.00	4.41	5.10	0	36	10	96	0.00	0.0	8.892	0.005	0	0	0	7
PL.24434	PD.3410	A	#4 ACSR	7.23Y	120.6	0.01	4.42	5.10	4	36	10	96	0.00	0.0	8.946	0.055	8	2	2	7
PL.24034	PL.24434	A	#4 ACSR	7.23Y	120.6	0.02	4.43	4.01	3	28	8	96	0.00	0.0	9.042	0.096	5	1	1	5
PL.24282	PL.24034	A	#4 ACSR	7.23Y	120.6	0.01	4.44	3.32	3	23	6	97	0.00	0.0	9.135	0.092	7	2	1	4
PL.24283	PL.24282	A	#4 ACSR	7.23Y	120.6	0.00	4.45	2.38	2	17	5	96	0.00	0.0	9.211	0.076	17	5	3	3
PL.24431	PL.24124	ABC	336 MCM AC	7.24Y	120.6	0.00	4.41	12.28	2	256	76	96	0.00	0.0	8.892	0.004	0	0	0	55
PL.24432	PL.24431	ABC	336 MCM AC	7.24Y	120.6	0.01	4.42	12.28	2	256	76	96	0.01	0.0	9.004	0.112	0	0	0	55
PL.24493	PL.24432	ABC	#1/0 ACSR	7.24Y	120.6	0.00	4.42	0.92	0	18	9	89	0.00	0.0	9.009	0.005	0	0	0	1
PD.3442	PL.24493	ABC	20T	7.24Y	120.6	0.00	4.42	0.92	0	18	9	89	0.00	0.0	9.009	0.005	0	0	0	1
PL.24494	PD.3442	ABC	#1/0 ACSR	7.24Y	120.6	0.00	4.42	0.92	0	18	9	89	0.00	0.0	9.022	0.014	18	9	1	1
PL.24495	PL.24432	ABC	336 MCM AC	7.24Y	120.6	0.00	4.42	11.38	2	238	67	96	0.00	0.0	9.008	0.005	0	0	0	54
PL.24496	PL.24495	ABC	336 MCM AC	7.23Y	120.6	0.00	4.42	11.38	2	238	67	96	0.00	0.0	9.046	0.037	0	0	0	54
PL.24435	PL.24496	C	#4 ACSR	7.23Y	120.6	0.00	4.42	1.28	1	9	2	98	0.00	0.0	9.051	0.005	0	0	0	1
PD.3411	PL.24435	C	20T	7.23Y	120.6	0.00	4.42	1.28	0	9	2	98	0.00	0.0	9.051	0.005	0	0	0	1
PL.24436	PD.3411	C	#4 ACSR	7.23Y	120.6	0.00	4.42	1.28	1	9	2	98	0.00	0.0	9.107	0.056	9	2	1	1
PL.24126	PL.24496	ABC	336 MCM AC	7.23Y	120.6	0.00	4.42	10.95	2	229	64	96	0.01	0.0	9.105	0.059	0	0	0	53
PL.24479	PL.24126	C	#4 ACSR	7.23Y	120.6	0.00	4.42	0.36	0	3	1	95	0.00	0.0	9.110	0.005	0	0	0	1
PD.3435	PL.24479	C	20T	7.23Y	120.6	0.00	4.42	0.36	0	3	1	95	0.00	0.0	9.110	0.005	0	0	0	1
PL.24480	PD.3435	C	#4 ACSR	7.23Y	120.6	0.00	4.42	0.36	0	3	1	95	0.00	0.0	9.150	0.040	3	1	1	1
PL.24488	PL.24126	C	#4 ACSR	7.23Y	120.6	0.00	4.42	1.03	1	7	2	96	0.00	0.0	9.110	0.005	0	0	0	1
PD.3439	PL.24488	C	20T	7.23Y	120.6	0.00	4.42	1.03	0	7	2	96	0.00	0.0	9.110	0.005	0	0	0	1
PL.24487	PD.3439	C	#4 ACSR	7.23Y	120.6	0.00	4.43	1.03	1	7	2	96	0.00	0.0	9.212	0.102	7	2	1	1
PL.24127	PL.24126	ABC	336 MCM AC	7.23Y	120.6	0.01	4.43	10.48	2	219	62	96	0.01	0.0	9.180	0.075	0	0	0	51
PL.24284	PL.24127	ABC	336 MCM AC	7.23Y	120.6	0.00	4.43	9.97	2	208	59	96	0.00	0.0	9.238	0.058	3	1	1	49
PL.24285	PL.24284	ABC	336 MCM AC	7.23Y	120.6	0.01	4.44	9.83	2	205	58	96	0.01	0.0	9.339	0.101	0	0	0	48
PL.24035	PL.24285	ABC	336 MCM AC	7.23Y	120.6	0.01	4.45	9.83	2	205	58	96	0.01	0.0	9.417	0.078	0	0	0	48
PL.24128	PL.24035	ABC	336 MCM AC	7.23Y	120.5	0.01	4.45	9.83	2	205	58	96	0.01	0.0	9.501	0.084	0	0	0	47
PL.24481	PL.24128	C	#4 ACSR	7.23Y	120.5	0.00	4.45	0.69	1	5	1	98	0.00	0.0	9.505	0.005	0	0	0	1
PD.3436	PL.24481	C	25T	7.23Y	120.5	0.00	4.45	0.69	0	5	1	98	0.00	0.0	9.505	0.005	0	0	0	1
PL.24482	PD.3436	C	#4 ACSR	7.23Y	120.5	0.00	4.45	0.69	1	5	1	98	0.00	0.0	9.572	0.067	5	1	1	1

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

Balanced Voltage Drop Report
Source: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.24036	PL.24482	C	#4 ACSR	7.23Y	120.5	0.00	4.45	0.00	0	0	0	100	0.00	0.0	9.640	0.067	0	0	0	0
PL.24245	PL.24128	ABC	336 MCM AC	7.23Y	120.5	0.00	4.45	0.92	0	19	5	97	0.00	0.0	9.533	0.032	0	0	1	6
PL.24246	PL.24245	ABC	336 MCM AC	7.23Y	120.5	0.00	4.45	0.91	0	19	5	97	0.00	0.0	9.578	0.045	1	0	1	5
PL.24229	PL.24246	ABC	336 MCM AC	7.23Y	120.5	0.00	4.45	0.00	0	0	0	100	0.00	0.0	9.650	0.072	0	0	0	0
PL.18961	PL.24229	ABC	336 MCM AC	7.23Y	120.5	0.00	4.45	0.00	0	0	0	100	0.00	0.0	9.655	0.005	0	0	0	0
PD.2824-B	PL.18961	ABC	Open	7.23Y	120.5	0.00	4.45	0.00	0	0	0	100	0.00	0.0	9.655	0.005	0	0	0	0
PL.24375	PL.24246	A	#4 ACSR	7.23Y	120.5	0.00	4.45	2.64	2	18	5	96	0.00	0.0	9.582	0.005	0	0	0	4
PD.3380	PL.24375	A	25T	7.23Y	120.5	0.00	4.45	2.64	0	18	5	96	0.00	0.0	9.582	0.005	0	0	0	4
PL.24376	PD.3380	A	#4 ACSR	7.23Y	120.5	0.00	4.46	2.64	2	18	5	96	0.00	0.0	9.621	0.038	3	1	1	4
PL.24037	PL.24376	A	#4 ACSR	7.23Y	120.5	0.00	4.46	2.25	2	16	4	97	0.00	0.0	9.647	0.026	16	4	3	3
PL.24377	PL.24128	A	6 A (CWC)	7.23Y	120.5	0.01	4.46	26.04	19	181	51	96	0.01	0.0	9.505	0.004	0	0	0	40
PD.3381	PL.24377	A	25T	7.23Y	120.5	0.00	4.46	26.04	0	181	51	96	0.00	0.0	9.505	0.004	0	0	0	40
PL.24378	PD.3381	A	6 A (CWC)	7.23Y	120.5	0.03	4.49	26.04	19	181	51	96	0.05	0.0	9.534	0.028	1	0	1	40
PL.24038	PL.24378	A	6 A (CWC)	7.23Y	120.5	0.03	4.53	25.90	19	180	51	96	0.05	0.0	9.563	0.029	0	0	1	39
PL.23401	PL.24038	A	6 A (CWC)	7.23Y	120.5	0.01	4.54	2.76	2	19	5	97	0.00	0.0	9.662	0.099	7	2	2	4
PL.23400	PL.23401	A	6 A (CWC)	7.23Y	120.5	0.01	4.54	1.72	1	12	3	97	0.00	0.0	9.747	0.085	5	1	1	2
PL.23398	PL.23400	A	6 A (CWC)	7.23Y	120.5	0.00	4.54	0.99	1	7	2	96	0.00	0.0	9.768	0.021	7	2	1	1
PL.24241	PL.24038	A	6 A (CWC)	7.23Y	120.4	0.04	4.57	23.15	17	161	45	96	0.05	0.0	9.606	0.043	25	7	4	34
PL.24242	PL.24241	A	6 A (CWC)	7.22Y	120.4	0.03	4.60	19.54	14	136	38	96	0.03	0.0	9.641	0.035	0	0	0	30
PL.23399	PL.24242	A	#4 ACSR	7.22Y	120.4	0.02	4.62	5.87	5	41	11	97	0.01	0.0	9.736	0.095	14	4	2	7
PL.24286	PL.23399	A	#4 ACSR	7.22Y	120.4	0.01	4.63	3.81	3	26	7	97	0.00	0.0	9.795	0.059	4	1	1	5
PL.24287	PL.24286	A	#4 ACSR	7.22Y	120.4	0.00	4.64	3.20	2	22	6	96	0.00	0.0	9.829	0.034	2	1	1	4
PL.24226	PL.24287	A	#4 ACSR	7.22Y	120.4	0.00	4.64	1.88	1	13	4	96	0.00	0.0	9.861	0.032	4	1	1	2
PL.24225	PL.24226	A	#4 ACSR	7.22Y	120.4	0.00	4.64	1.29	1	9	3	95	0.00	0.0	9.903	0.043	9	3	1	1
PL.24042	PL.24226	A	#4 ACSR	7.22Y	120.4	0.00	4.64	0.00	0	0	0	100	0.00	0.0	9.906	0.045	0	0	0	0
PL.24041	PL.24287	A	#1/0 ACSR	7.22Y	120.4	0.00	4.64	0.97	0	7	2	96	0.00	0.0	9.847	0.019	7	2	1	1
PL.24039	PL.24242	A	#4 ACSR	7.22Y	120.4	0.00	4.60	1.17	1	8	2	97	0.00	0.0	9.692	0.051	8	2	1	1
PL.24040	PL.24242	A	6 A (CWC)	7.22Y	120.4	0.01	4.61	12.50	9	87	24	96	0.01	0.0	9.665	0.024	3	1	1	22
PL.24243	PL.24040	A	#4 ACSR	7.22Y	120.4	0.02	4.64	12.01	9	84	23	96	0.01	0.0	9.707	0.042	6	2	2	21
PL.24244	PL.24243	A	#4 ACSR	7.22Y	120.3	0.04	4.68	11.11	9	77	22	96	0.02	0.0	9.789	0.082	0	0	0	19
PL.24236	PL.24244	A	#4 ACSR	7.22Y	120.3	0.00	4.68	0.17	0	1	0	100	0.00	0.0	9.852	0.063	0	0	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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.24237	PL.24236	A	#4 ACSR	7.22Y	120.3	0.00	4.68	0.16	0	1	0	100	0.00	0.0	9.888	0.036	1	0	1	1
PL.24238	PL.24244	A	#4 ACSR	7.22Y	120.3	0.02	4.70	10.94	8	76	21	96	0.01	0.0	9.835	0.047	0	0	1	16
PL.24239	PL.24238	A	#4 ACSR	7.22Y	120.3	0.03	4.73	10.94	8	76	21	96	0.02	0.0	9.906	0.071	8	2	1	15
PL.24240	PL.24239	A	#4 ACSR	7.22Y	120.3	0.01	4.75	9.78	8	68	19	96	0.01	0.0	9.936	0.030	0	0	0	14
PL.24234	PL.24240	A	#4 ACSR	7.21Y	120.2	0.01	4.76	9.69	7	67	19	96	0.01	0.0	9.963	0.027	8	2	1	13
PL.24235	PL.24234	A	#4 ACSR	7.21Y	120.2	0.01	4.77	8.59	7	60	17	96	0.01	0.0	9.993	0.029	0	0	0	12
PL.24129	PL.24235	A	#4 ACSR	7.21Y	120.2	0.02	4.79	8.59	7	60	17	96	0.01	0.0	10.057	0.064	0	0	0	12
PL.24045	PL.24129	A	#1/0 ACSR	7.21Y	120.2	0.00	4.79	0.77	0	5	1	98	0.00	0.0	10.093	0.036	5	1	1	1
PL.24130	PL.24129	A	#4 ACSR	7.21Y	120.2	0.00	4.80	7.82	6	54	15	96	0.00	0.0	10.070	0.013	0	0	0	11
PL.24232	PL.24130	A	#4 ACSR	7.21Y	120.2	0.02	4.82	7.82	6	54	15	96	0.01	0.0	10.141	0.071	0	0	1	11
PL.24233	PL.24232	A	#4 ACSR	7.21Y	120.2	0.03	4.85	7.82	6	54	15	96	0.01	0.0	10.218	0.077	0	0	0	10
PL.24222	PL.24233	A	#4 ACSR	7.21Y	120.1	0.01	4.86	4.90	4	34	10	96	0.00	0.0	10.272	0.054	4	1	1	7
PL.24223	PL.24222	A	#4 ACSR	7.21Y	120.1	0.01	4.87	3.12	2	22	6	96	0.00	0.0	10.320	0.048	0	0	0	5
PL.23397	PL.24223	A	#1/0 ACSR	7.21Y	120.1	0.00	4.87	3.12	1	22	6	96	0.00	0.0	10.350	0.030	13	4	3	5
PL.24230	PL.23397	A	#1/0 ACSR	7.21Y	120.1	0.00	4.87	1.19	1	8	2	97	0.00	0.0	10.387	0.037	2	1	1	2
PL.24231	PL.24230	A	#1/0 ACSR	7.21Y	120.1	0.00	4.87	0.92	0	6	2	95	0.00	0.0	10.415	0.028	6	2	1	1
PL.24046	PL.24222	A	#4 ACSR	7.21Y	120.1	0.00	4.86	1.13	1	8	2	97	0.00	0.0	10.310	0.039	8	2	1	1
PL.23395	PL.24233	A	#4 ACSR	7.21Y	120.1	0.00	4.85	2.92	2	20	6	96	0.00	0.0	10.239	0.021	0	0	1	3
PL.23396	PL.23395	A	#4 ACSR	7.21Y	120.1	0.01	4.86	2.92	2	20	6	96	0.00	0.0	10.415	0.176	20	6	2	2
PL.24044	PL.24235	A	#4 ACSR	7.21Y	120.2	0.00	4.77	0.00	0	0	0	100	0.00	0.0	10.018	0.025	0	0	0	0
PL.24043	PL.24240	A	#4 ACSR	7.22Y	120.3	0.00	4.75	0.08	0	1	0	100	0.00	0.0	9.976	0.040	1	0	1	1
PL.24439	PL.24035	C	#4 ACSR	7.23Y	120.6	0.00	4.45	0.00	0	0	0	100	0.00	0.0	9.422	0.005	0	0	0	1
PD.3413	PL.24439	C	25T	7.23Y	120.6	0.00	4.45	0.00	0	0	0	100	0.00	0.0	9.422	0.005	0	0	0	1
PL.24440	PD.3413	C	#4 ACSR	7.23Y	120.6	0.00	4.45	0.00	0	0	0	100	0.00	0.0	9.485	0.063	0	0	1	1
PL.24437	PL.24127	C	#4 ACSR	7.23Y	120.6	0.00	4.43	1.54	1	11	3	96	0.00	0.0	9.185	0.005	0	0	0	2
PD.3412	PL.24437	C	25T	7.23Y	120.6	0.00	4.43	1.54	0	11	3	96	0.00	0.0	9.185	0.005	0	0	0	2
PL.24438	PD.3412	C	#4 ACSR	7.23Y	120.6	0.00	4.43	1.54	1	11	3	96	0.00	0.0	9.252	0.067	11	3	2	2
PL.24429	PL.24207	A	#4 ACSR	7.24Y	120.6	0.00	4.40	1.61	1	11	3	96	0.00	0.0	8.867	0.005	0	0	0	2
PD.3409	PL.24429	A	20T	7.24Y	120.6	0.00	4.40	1.61	0	11	3	96	0.00	0.0	8.867	0.005	0	0	0	2
PL.24430	PD.3409	A	#4 ACSR	7.24Y	120.6	0.00	4.40	1.61	1	11	3	96	0.00	0.0	8.895	0.027	11	3	2	2
PL.24475	PL.23376	C	6 A (CWC)	7.24Y	120.7	0.00	4.35	9.72	7	68	19	96	0.00	0.0	8.424	0.005	0	0	0	14

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

Balanced Voltage Drop Report
Source: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% 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.3433	PL.24475	C	20T	7.24Y	120.7	0.00	4.35	9.72	0	68	19	96	0.00	0.0	8.424	0.005	0	0	0	14
PL.24476	PD.3433	C	6 A (CWC)	7.24Y	120.6	0.02	4.37	9.72	7	68	19	96	0.01	0.0	8.468	0.043	0	0	1	14
PL.24275	PL.24476	C	6 A (CWC)	7.24Y	120.6	0.03	4.39	9.69	7	68	19	96	0.01	0.0	8.526	0.058	0	0	1	13
PL.24276	PL.24275	C	6 A (CWC)	7.23Y	120.6	0.03	4.42	9.69	7	68	19	96	0.01	0.0	8.592	0.066	3	1	1	12
PL.24274	PL.24276	C	6 A (CWC)	7.23Y	120.6	0.01	4.43	9.26	7	64	18	96	0.01	0.0	8.627	0.035	7	2	1	11
PL.24273	PL.24274	C	6 A (CWC)	7.23Y	120.6	0.01	4.45	8.22	6	57	16	96	0.01	0.0	8.661	0.034	3	1	1	10
PL.24272	PL.24273	C	6 A (CWC)	7.23Y	120.5	0.02	4.46	7.79	6	54	15	96	0.01	0.0	8.708	0.047	0	0	0	9
PL.24270	PL.24272	C	6 A (CWC)	7.23Y	120.5	0.02	4.48	7.79	6	54	15	96	0.01	0.0	8.758	0.051	16	4	3	9
PL.24271	PL.24270	C	6 A (CWC)	7.23Y	120.5	0.02	4.50	5.54	4	39	11	96	0.01	0.0	8.836	0.078	0	0	0	6
PL.24269	PL.24271	C	6 A (CWC)	7.23Y	120.5	0.02	4.51	5.54	4	39	11	96	0.00	0.0	8.911	0.074	14	4	2	6
PL.23386	PL.24269	C	6 A (CWC)	7.23Y	120.5	0.01	4.52	2.27	2	16	4	97	0.00	0.0	8.978	0.067	0	0	0	2
PL.24012	PL.23386	C	6 A (CWC)	7.23Y	120.5	0.00	4.52	2.27	2	16	4	97	0.00	0.0	9.004	0.027	9	2	1	2
PL.24122	PL.24012	C	#4 ACSR	7.23Y	120.5	0.00	4.52	1.03	1	7	2	96	0.00	0.0	9.024	0.020	0	0	0	1
PL.24011	PL.24122	C	#4 ACSR	7.23Y	120.5	0.00	4.53	1.03	1	7	2	96	0.00	0.0	9.111	0.086	7	2	1	1
PL.24010	PL.24122	C	#4 ACSR	7.23Y	120.5	0.00	4.52	0.00	0	0	0	100	0.00	0.0	9.069	0.044	0	0	0	0
PL.24008	PL.24269	C	#4 ACSR	7.23Y	120.5	0.00	4.51	0.70	1	5	1	98	0.00	0.0	8.934	0.023	5	1	1	1
PL.24009	PL.24269	C	6 A (CWC)	7.23Y	120.5	0.00	4.52	0.63	0	4	1	97	0.00	0.0	8.961	0.050	4	1	1	1
PL.24455	PL.24227	A	6 A (CWC)	7.24Y	120.7	0.00	4.30	3.64	3	25	7	96	0.00	0.0	8.181	0.005	0	0	0	5
PD.3422	PL.24455	A	20T	7.24Y	120.7	0.00	4.30	3.64	0	25	7	96	0.00	0.0	8.181	0.005	0	0	0	5
PL.24456	PD.3422	A	6 A (CWC)	7.24Y	120.7	0.00	4.31	3.64	3	25	7	96	0.00	0.0	8.204	0.023	4	1	1	5
PL.24327	PL.24456	A	6 A (CWC)	7.24Y	120.7	0.01	4.32	3.13	2	22	6	96	0.00	0.0	8.259	0.054	2	1	1	4
PL.24326	PL.24327	A	6 A (CWC)	7.24Y	120.7	0.01	4.32	2.84	2	20	6	96	0.00	0.0	8.394	0.135	20	6	3	3
PL.24453	PL.24310	B	#1/0 ACSR	7.24Y	120.7	0.00	4.25	22.38	10	156	44	96	0.00	0.0	7.880	0.005	0	0	0	30
PD.3421	PL.24453	B	20T	7.24Y	120.7	0.00	4.25	22.38	0	156	44	96	0.00	0.0	7.880	0.005	0	0	0	30
PL.24454	PD.3421	B	#1/0 ACSR	7.24Y	120.7	0.02	4.27	22.38	10	156	44	96	0.02	0.0	7.917	0.037	11	3	1	30
PL.24322	PL.24454	B	#4 ACSR	7.24Y	120.7	0.02	4.29	5.48	4	38	11	96	0.01	0.0	7.988	0.071	0	0	0	4
PL.24323	PL.24322	B	#4 ACSR	7.24Y	120.7	0.01	4.30	5.48	4	38	11	96	0.00	0.0	8.044	0.056	9	2	1	4
PL.23999	PL.24323	B	#4 ACSR	7.24Y	120.7	0.01	4.31	4.21	3	29	8	96	0.00	0.0	8.107	0.063	0	0	0	3
PL.24320	PL.23999	B	#1/0 ACSR	7.24Y	120.7	0.01	4.32	4.21	2	29	8	96	0.00	0.0	8.186	0.079	11	3	1	3
PL.24321	PL.24320	B	#1/0 ACSR	7.24Y	120.7	0.01	4.32	2.66	1	19	5	97	0.00	0.0	8.309	0.123	0	0	0	2
PL.24004	PL.24321	B	#1/0 ACSR	7.24Y	120.7	0.00	4.33	2.66	1	19	5	97	0.00	0.0	8.457	0.148	19	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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.23998	PL.24454	B	#2 ACSR	7.24Y	120.7	0.06	4.33	14.87	8	104	29	96	0.04	0.0	8.048	0.131	7	2	1	24
PL.24000	PL.23998	B	#2 ACSR	7.24Y	120.6	0.03	4.36	11.90	7	83	23	96	0.02	0.0	8.140	0.092	7	2	2	21
PL.24318	PL.24000	B	6 A (CWC)	7.24Y	120.6	0.03	4.39	10.92	8	76	21	96	0.02	0.0	8.205	0.065	9	2	4	19
PL.24319	PL.24318	B	6 A (CWC)	7.23Y	120.6	0.03	4.42	9.68	7	67	19	96	0.01	0.0	8.263	0.057	2	0	1	15
PL.24317	PL.24319	B	6 A (CWC)	7.23Y	120.6	0.01	4.43	9.45	7	66	18	96	0.01	0.0	8.295	0.033	4	1	1	14
PL.24345	PL.24317	B	#4 ACSR	7.23Y	120.6	0.00	4.43	1.40	1	10	3	96	0.00	0.0	8.314	0.019	3	1	1	3
PL.24346	PL.24345	B	#4 ACSR	7.23Y	120.6	0.00	4.44	1.03	1	7	2	96	0.00	0.0	8.419	0.104	7	2	2	2
PL.24002	PL.24317	B	6 A (CWC)	7.23Y	120.5	0.05	4.48	7.49	5	52	15	96	0.02	0.0	8.439	0.143	1	0	1	10
PL.24003	PL.24002	B	6 A (CWC)	7.23Y	120.5	0.06	4.54	7.38	5	51	14	96	0.02	0.0	8.629	0.190	2	1	1	9
PL.24013	PL.24003	B	#4 ACSR	7.23Y	120.4	0.02	4.56	7.10	5	49	14	96	0.01	0.0	8.686	0.057	0	0	0	8
PL.24120	PL.24013	B	#4 ACSR	7.23Y	120.4	0.00	4.56	1.26	1	9	2	98	0.00	0.0	8.715	0.029	4	1	2	3
PL.24014	PL.24120	B	#4 ACSR	7.23Y	120.4	0.00	4.57	0.68	1	5	1	98	0.00	0.0	8.878	0.163	5	1	1	1
PL.24314	PL.24013	B	6 A (CWC)	7.23Y	120.4	0.01	4.57	4.02	3	28	8	96	0.00	0.0	8.733	0.047	0	0	0	4
PL.24313	PL.24314	B	6 A (CWC)	7.23Y	120.4	0.01	4.58	4.02	3	28	8	96	0.00	0.0	8.789	0.056	16	4	2	4
PL.24311	PL.24313	B	6 A (CWC)	7.23Y	120.4	0.00	4.58	1.79	1	12	3	97	0.00	0.0	8.824	0.035	6	2	1	2
PL.24312	PL.24311	B	6 A (CWC)	7.23Y	120.4	0.00	4.58	0.94	1	7	2	96	0.00	0.0	8.874	0.050	7	2	1	1
PL.24315	PL.24013	B	#1/0 ACSR	7.23Y	120.4	0.00	4.56	1.81	1	13	4	96	0.00	0.0	8.723	0.037	13	4	1	1
PL.24316	PL.24315	B	#1/0 ACSR	7.23Y	120.4	0.00	4.56	0.00	0	0	0	100	0.00	0.0	8.780	0.057	0	0	0	0
PL.24001	PL.23998	B	6 A (CWC)	7.24Y	120.7	0.00	4.33	2.01	1	14	4	96	0.00	0.0	8.079	0.031	14	4	2	2
PL.23378	PL.24454	B	#1/0 ACSR	7.24Y	120.7	0.00	4.27	0.47	0	3	1	95	0.00	0.0	7.957	0.040	3	1	1	1
PL.24443	PL.23993	A	#4 ACSR	7.25Y	120.8	0.00	4.23	3.60	3	25	7	96	0.00	0.0	7.795	0.005	0	0	0	4
PD.3416	PL.24443	A	20T	7.25Y	120.8	0.00	4.23	3.60	0	25	7	96	0.00	0.0	7.795	0.005	0	0	0	4
PL.24444	PD.3416	A	#4 ACSR	7.25Y	120.8	0.00	4.23	3.60	3	25	7	96	0.00	0.0	7.809	0.014	0	0	0	4
PL.23994	PL.24444	A	6 A (CWC)	7.25Y	120.8	0.00	4.23	3.05	2	21	6	96	0.00	0.0	7.858	0.049	21	6	2	2
PL.24116	PL.24444	A	#4 ACSR	7.25Y	120.8	0.00	4.23	0.55	0	4	1	97	0.00	0.0	7.848	0.038	4	1	2	2
PL.24445	PL.24114	C	#1/0 ACSR	7.25Y	120.8	0.00	4.20	1.09	0	8	2	97	0.00	0.0	7.702	0.005	0	0	0	1
PD.3417	PL.24445	C	20T	7.25Y	120.8	0.00	4.20	1.09	0	8	2	97	0.00	0.0	7.702	0.005	0	0	0	1
PL.24446	PD.3417	C	#1/0 ACSR	7.25Y	120.8	0.00	4.20	1.09	0	8	2	97	0.00	0.0	7.831	0.129	8	2	1	1
PL.24447	PL.24113	C	#2 ACSR	7.25Y	120.8	0.00	4.19	1.10	1	8	2	97	0.00	0.0	7.663	0.005	0	0	0	1
PD.3418	PL.24447	C	20T	7.25Y	120.8	0.00	4.19	1.10	0	8	2	97	0.00	0.0	7.663	0.005	0	0	0	1
PL.24448	PD.3418	C	#2 ACSR	7.25Y	120.8	0.00	4.19	1.10	1	8	2	97	0.00	0.0	7.675	0.012	8	2	1	1

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

Balanced Voltage Drop Report
Source: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.24449	PL.24514	C	#4 ACSR	7.25Y	120.8	0.00	4.17	1.64	1	11	3	96	0.00	0.0	7.569	0.005	0	0	0	1
PD.3419	PL.24449	C	20T	7.25Y	120.8	0.00	4.17	1.64	0	11	3	96	0.00	0.0	7.569	0.005	0	0	0	1
PL.24450	PD.3419	C	#4 ACSR	7.25Y	120.8	0.00	4.17	1.64	1	11	3	96	0.00	0.0	7.581	0.013	11	3	1	1
PL.23383	PL.23382	ABC	336 MCM AC	7.25Y	120.9	0.00	4.11	6.87	1	144	41	96	0.00	0.0	7.377	0.023	0	0	0	34
PL.24509	PL.23383	A	6 A (CWC)	7.25Y	120.8	0.08	4.19	20.49	15	143	40	96	0.09	0.1	7.462	0.085	0	0	0	32
PD.3449	PL.24509	A	35L	7.25Y	120.8	0.00	4.19	20.49	59	143	40	96	0.00	0.0	7.462	0.085	0	0	0	32
PL.24510	PD.3449	A	6 A (CWC)	7.24Y	120.7	0.07	4.26	20.49	15	143	40	96	0.08	0.1	7.544	0.082	11	3	2	32
PL.23981	PL.24510	A	#4 ACSR	7.24Y	120.7	0.00	4.26	0.00	0	0	0	100	0.00	0.0	7.580	0.036	0	0	0	0
PL.23982	PL.24510	A	6 A (CWC)	7.23Y	120.6	0.16	4.42	18.90	13	132	37	96	0.16	0.1	7.727	0.182	0	0	0	30
PL.24111	PL.23982	A	6 A (CWC)	7.23Y	120.5	0.03	4.45	15.89	11	111	31	96	0.03	0.0	7.770	0.043	0	0	0	26
PL.23388	PL.24111	A	6 A (CWC)	7.23Y	120.5	0.07	4.53	15.62	11	109	31	96	0.06	0.1	7.875	0.105	6	2	2	25
PL.24303	PL.23388	A	6 A (CWC)	7.23Y	120.4	0.05	4.58	12.63	9	88	25	96	0.04	0.0	7.973	0.098	7	2	1	19
PL.24304	PL.24303	A	6 A (CWC)	7.22Y	120.4	0.02	4.60	11.57	8	81	23	96	0.01	0.0	8.005	0.032	0	0	0	18
PL.23984	PL.24304	A	6 A (CWC)	7.22Y	120.3	0.05	4.65	11.57	8	80	23	96	0.03	0.0	8.105	0.100	0	0	0	18
PL.23985	PL.23984	A	#1/0 ACSR	7.22Y	120.3	0.00	4.65	1.16	1	8	2	97	0.00	0.0	8.130	0.025	8	2	1	1
PL.23986	PL.23984	A	#1/0 ACSR	7.22Y	120.3	0.00	4.65	0.91	0	6	2	95	0.00	0.0	8.140	0.035	6	2	1	1
PL.24301	PL.23984	A	6 A (CWC)	7.22Y	120.3	0.02	4.68	9.50	7	66	19	96	0.01	0.0	8.167	0.062	11	3	1	16
PL.24302	PL.24301	A	6 A (CWC)	7.22Y	120.3	0.02	4.70	7.85	6	55	15	96	0.01	0.0	8.236	0.069	5	1	1	15
PL.23988	PL.24302	A	6 A (CWC)	7.21Y	120.2	0.06	4.76	7.15	5	50	14	96	0.02	0.0	8.423	0.187	2	1	1	14
PL.24299	PL.23988	A	6 A (CWC)	7.21Y	120.2	0.01	4.77	6.83	5	47	13	96	0.00	0.0	8.460	0.037	0	0	0	13
PL.24300	PL.24299	A	6 A (CWC)	7.21Y	120.2	0.05	4.82	6.83	5	47	13	96	0.02	0.0	8.609	0.149	3	1	1	13
PL.23989	PL.24300	A	#4 ACSR	7.21Y	120.2	0.01	4.82	2.28	2	16	4	97	0.00	0.0	8.682	0.073	0	0	0	2
PL.24112	PL.23989	A	#4 ACSR	7.21Y	120.2	0.00	4.82	0.06	0	0	0	100	0.00	0.0	8.791	0.108	0	0	1	1
PL.23991	PL.23989	A	#4 ACSR	7.21Y	120.2	0.00	4.82	2.21	2	15	4	97	0.00	0.0	8.712	0.030	15	4	1	1
PL.24295	PL.24300	A	6 A (CWC)	7.21Y	120.2	0.02	4.83	3.24	2	23	6	97	0.00	0.0	8.715	0.106	0	0	0	7
PL.24296	PL.24295	A	6 A (CWC)	7.21Y	120.2	0.01	4.84	3.24	2	22	6	96	0.00	0.0	8.774	0.059	0	0	0	7
PL.23393	PL.24296	A	6 A (CWC)	7.21Y	120.1	0.02	4.86	3.24	2	22	6	96	0.00	0.0	8.938	0.165	0	0	1	7
PL.24022	PL.23393	A	#4 ACSR	7.21Y	120.1	0.01	4.88	2.04	2	14	4	96	0.00	0.0	9.101	0.162	0	0	0	3
PL.24203	PL.24022	A	#4 ACSR	7.21Y	120.1	0.01	4.89	2.04	2	14	4	96	0.00	0.0	9.237	0.137	0	0	0	3
PL.24016	PL.24203	A	#4 ACSR	7.21Y	120.1	0.01	4.91	2.04	2	14	4	96	0.00	0.0	9.385	0.147	0	0	0	3
PL.24204	PL.24016	A	#4 ACSR	7.21Y	120.1	0.01	4.92	2.04	2	14	4	96	0.00	0.0	9.494	0.109	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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.24015	PL.24204	A	#4 ACSR	7.20Y	120.1	0.01	4.93	2.04	2	14	4	96	0.00	0.0	9.607	0.113	0	0	0	3
PL.24017	PL.24015	A	#4 ACSR	7.20Y	120.1	0.02	4.94	2.04	2	14	4	96	0.00	0.0	9.781	0.174	0	0	0	3
PL.24205	PL.24017	A	#4 ACSR	7.20Y	120.0	0.01	4.95	2.04	2	14	4	96	0.00	0.0	9.897	0.117	0	0	0	3
PL.24293	PL.24205	A	#4 ACSR	7.20Y	120.0	0.00	4.96	2.04	2	14	4	96	0.00	0.0	9.956	0.059	7	2	1	3
PL.24294	PL.24293	A	#4 ACSR	7.20Y	120.0	0.00	4.96	1.01	1	7	2	96	0.00	0.0	10.032	0.076	7	2	2	2
PL.23394	PL.23393	A	6 A (CWC)	7.21Y	120.1	0.00	4.87	1.19	1	8	2	97	0.00	0.0	9.007	0.069	0	0	0	3
PL.24021	PL.23394	A	#4 ACSR	7.21Y	120.1	0.00	4.87	1.19	1	8	2	97	0.00	0.0	9.027	0.019	0	0	0	3
PL.24018	PL.24021	A	#4 ACSR	7.21Y	120.1	0.01	4.87	1.19	1	8	2	97	0.00	0.0	9.135	0.108	2	1	1	3
PL.24291	PL.24018	A	#4 ACSR	7.21Y	120.1	0.00	4.88	0.92	1	6	2	95	0.00	0.0	9.259	0.124	1	0	1	2
PL.24292	PL.24291	A	#4 ACSR	7.21Y	120.1	0.00	4.88	0.73	1	5	1	98	0.00	0.0	9.412	0.154	0	0	0	1
PL.24019	PL.24292	A	#4 ACSR	7.21Y	120.1	0.00	4.89	0.73	1	5	1	98	0.00	0.0	9.523	0.111	0	0	0	1
PL.24020	PL.24019	A	#4 ACSR	7.21Y	120.1	0.00	4.89	0.73	1	5	1	98	0.00	0.0	9.576	0.053	5	1	1	1
PL.23990	PL.24300	A	#4 ACSR	7.21Y	120.2	0.01	4.82	0.92	1	6	2	95	0.00	0.0	8.742	0.133	0	0	0	3
PL.24202	PL.23990	A	#4 ACSR	7.21Y	120.2	0.00	4.82	0.92	1	6	2	95	0.00	0.0	8.820	0.078	5	1	1	3
PL.23992	PL.24202	A	#4 ACSR	7.21Y	120.2	0.00	4.82	0.18	0	1	0	100	0.00	0.0	8.912	0.092	0	0	0	2
PL.24297	PL.23992	A	#4 ACSR	7.21Y	120.2	0.00	4.82	0.18	0	1	0	100	0.00	0.0	9.075	0.163	1	0	1	2
PL.24298	PL.24297	A	#4 ACSR	7.21Y	120.2	0.00	4.82	0.08	0	1	0	100	0.00	0.0	9.220	0.146	1	0	1	1
PL.23987	PL.24302	A	6 A (CWC)	7.22Y	120.3	0.00	4.70	0.00	0	0	0	100	0.00	0.0	8.317	0.081	0	0	0	0
PL.24305	PL.23388	A	#2 ACSR	7.23Y	120.5	0.00	4.53	2.16	1	15	4	97	0.00	0.0	7.888	0.013	7	2	1	4
PL.24306	PL.24305	A	#2 ACSR	7.23Y	120.5	0.00	4.53	1.10	1	8	2	97	0.00	0.0	7.943	0.056	8	2	3	3
PL.23983	PL.24111	A	#1/0 ACSR	7.23Y	120.5	0.00	4.45	0.27	0	2	1	89	0.00	0.0	7.804	0.034	2	1	1	1
PL.24307	PL.23982	A	#4 ACSR	7.23Y	120.6	0.00	4.42	3.00	2	21	6	96	0.00	0.0	7.738	0.011	0	0	0	4
PL.24308	PL.24307	A	#4 ACSR	7.23Y	120.6	0.00	4.43	3.00	2	21	6	96	0.00	0.0	7.778	0.040	21	6	4	4
PL.24451	PL.23383	A	#2 ACSR	7.25Y	120.9	0.00	4.11	0.13	0	1	0	100	0.00	0.0	7.381	0.005	0	0	0	2
PD.3420	PL.24451	A	50T	7.25Y	120.9	0.00	4.11	0.13	0	1	0	100	0.00	0.0	7.381	0.005	0	0	0	2
PL.24452	PD.3420	A	#2 ACSR	7.25Y	120.9	0.00	4.11	0.13	0	1	0	100	0.00	0.0	7.416	0.035	1	0	2	2
PL.24379	PL.24186	A	#1/0 ACSR	7.29Y	121.5	0.00	3.46	0.29	0	2	1	89	0.00	0.0	5.950	0.005	0	0	0	2
PD.3382	PL.24379	A	50T	7.29Y	121.5	0.00	3.46	0.29	0	2	1	89	0.00	0.0	5.950	0.005	0	0	0	2
PL.24380	PD.3382	A	#1/0 ACSR	7.29Y	121.5	0.00	3.46	0.29	0	2	1	89	0.00	0.0	5.985	0.035	0	0	1	2
PL.23927	PL.24380	A	6 A (CWC)	7.29Y	121.5	0.00	3.46	0.24	0	2	0	100	0.00	0.0	6.080	0.095	0	0	0	1
PL.24187	PL.23927	A	6 A (CWC)	7.29Y	121.5	0.00	3.46	0.24	0	2	0	100	0.00	0.0	6.175	0.095	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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.23928	PL.24187	A	6 A (CWC)	7.29Y	121.5	0.00	3.46	0.24	0	2	0	100	0.00	0.0	6.342	0.167	2	0	1	1
PL.24505	PL.24095	C	#1/0 ACSR	7.30Y	121.7	0.00	3.27	20.24	9	142	40	96	0.00	0.0	5.551	0.003	0	0	0	67
PD.3447	PL.24505	C	70L	7.30Y	121.7	0.00	3.27	20.24	29	142	40	96	0.00	0.0	5.551	0.003	0	0	0	67
PL.24506	PD.3447	C	#1/0 ACSR	7.30Y	121.7	0.01	3.29	20.24	9	142	40	96	0.01	0.0	5.578	0.027	2	1	2	67
PL.23923	PL.24506	C	#1/0 ACSR	7.30Y	121.7	0.04	3.32	19.92	9	140	40	96	0.03	0.0	5.654	0.076	0	0	0	65
PL.23929	PL.23923	C	#1/0 ACSR	7.30Y	121.7	0.01	3.33	19.92	9	140	40	96	0.01	0.0	5.676	0.023	0	0	0	65
PL.23930	PL.23929	C	#1/0 ACSR	7.30Y	121.6	0.07	3.40	19.68	9	138	39	96	0.06	0.0	5.831	0.155	0	0	0	63
PL.24159	PL.23930	C	#1/0 ACSR	7.29Y	121.5	0.08	3.48	19.68	9	138	39	96	0.07	0.1	5.997	0.166	0	0	0	63
PL.24160	PL.24159	C	#1/0 ACSR	7.29Y	121.5	0.05	3.53	19.68	9	138	39	96	0.05	0.0	6.118	0.121	3	1	1	63
PL.23931	PL.24160	C	#1/0 ACSR	7.29Y	121.4	0.05	3.58	18.02	8	126	36	96	0.04	0.0	6.227	0.109	0	0	0	60
PL.24161	PL.23931	C	#1/0 ACSR	7.28Y	121.4	0.07	3.65	18.02	8	126	36	96	0.06	0.0	6.387	0.160	0	0	0	60
PL.23934	PL.24161	C	#1/0 ACSR	7.28Y	121.3	0.05	3.69	18.00	8	126	36	96	0.04	0.0	6.496	0.109	0	0	0	59
PL.23351	PL.23934	C	6 A (CWC)	7.27Y	121.2	0.06	3.76	18.00	13	126	36	96	0.06	0.0	6.575	0.078	0	0	0	59
PL.24096	PL.23351	C	6 A (CWC)	7.27Y	121.2	0.07	3.83	18.00	13	126	36	96	0.07	0.1	6.659	0.085	0	0	0	59
PL.23355	PL.24096	C	6 A (CWC)	7.27Y	121.1	0.07	3.90	18.00	13	126	36	96	0.07	0.1	6.747	0.088	0	0	0	59
PL.24164	PL.23355	C	6 A (CWC)	7.26Y	121.0	0.09	3.99	18.00	13	126	36	96	0.08	0.1	6.852	0.105	0	0	0	59
PL.24499	PL.24164	C	6 A (CWC)	7.26Y	121.0	0.00	3.99	18.00	13	126	35	96	0.00	0.0	6.857	0.005	0	0	0	59
PD.3444-A	PL.24499	C	Closed	7.26Y	121.0	0.00	3.99	18.00	0	126	35	96	0.00	0.0	6.857	0.005	0	0	0	59
PD.3444-B	PD.3444-A	C	Closed	7.26Y	121.0	0.00	3.99	18.00	0	126	35	96	0.00	0.0	6.857	0.005	0	0	0	59
PL.24500	PD.3444-B	C	6 A (CWC)	7.25Y	120.9	0.11	4.10	18.00	13	126	35	96	0.11	0.1	6.993	0.136	0	0	0	59
PL.24097	PL.24500	C	6 A (CWC)	7.25Y	120.9	0.05	4.15	18.00	13	126	35	96	0.04	0.0	7.048	0.055	0	0	0	59
PL.23017	PL.24097	C	6 A (CWC)	7.25Y	120.8	0.06	4.21	18.00	13	126	35	96	0.06	0.0	7.128	0.080	4	1	1	59
PL.23018	PL.23017	C	6 A (CWC)	7.24Y	120.7	0.06	4.28	17.46	12	122	34	96	0.06	0.0	7.206	0.078	0	0	0	58
PL.24224	PL.23018	C	6 A (CWC)	7.24Y	120.6	0.09	4.37	17.31	12	121	34	96	0.08	0.1	7.321	0.114	0	0	1	56
PL.24503	PL.24224	C	6 A (CWC)	7.24Y	120.6	0.00	4.37	3.75	3	26	7	97	0.00	0.0	7.325	0.005	0	0	0	19
PD.3446-A	PL.24503	C	Closed	7.24Y	120.6	0.00	4.37	3.75	0	26	7	97	0.00	0.0	7.325	0.005	0	0	0	19
PD.3446-B	PD.3446-A	C	Closed	7.24Y	120.6	0.00	4.37	3.75	0	26	7	97	0.00	0.0	7.325	0.005	0	0	0	19
PL.24504	PD.3446-B	C	6 A (CWC)	7.24Y	120.6	0.02	4.38	3.75	3	26	7	97	0.00	0.0	7.448	0.123	8	2	2	19
PL.24221	PL.24504	C	6 A (CWC)	7.24Y	120.6	0.01	4.40	2.66	2	19	5	97	0.00	0.0	7.540	0.092	0	0	0	17
PL.24511	PL.24221	C	6 A (CWC)	7.24Y	120.6	0.00	4.40	2.31	2	16	5	95	0.00	0.0	7.543	0.003	0	0	0	15
PD.3450	PL.24511	C	100CodeSMo	7.24Y	120.6	0.00	4.40	2.31	0	16	5	95	0.00	0.0	7.543	0.003	0	0	0	15

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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.24512	PD.3450	C	6 A (CWC)	7.24Y	120.6	0.01	4.41	2.31	2	16	5	95	0.00	0.0	7.645	0.102	0	0	0	15
PL.24212	PL.24512	C	6 A (CWC)	7.23Y	120.6	0.01	4.42	2.31	2	16	5	95	0.00	0.0	7.748	0.103	0	0	0	15
PL.24165	PL.24212	C	6 A (CWC)	7.23Y	120.6	0.01	4.43	2.31	2	16	5	95	0.00	0.0	7.843	0.095	0	0	0	15
PL.24211	PL.24165	C	6 A (CWC)	7.23Y	120.6	0.01	4.44	2.31	2	16	5	95	0.00	0.0	7.959	0.116	0	0	0	15
PL.24166	PL.24211	C	6 A (CWC)	7.23Y	120.5	0.02	4.46	2.31	2	16	5	95	0.00	0.0	8.140	0.181	0	0	0	15
PL.24049	PL.24166	C	#4 ACSR	7.23Y	120.5	0.00	4.46	2.31	2	16	5	95	0.00	0.0	8.157	0.017	0	0	0	15
PL.24050	PL.24049	C	#4 ACSR	7.23Y	120.5	0.01	4.47	1.61	1	11	3	96	0.00	0.0	8.317	0.160	0	0	0	13
PL.24168	PL.24050	C	#4 ACSR	7.23Y	120.5	0.01	4.48	1.61	1	11	3	96	0.00	0.0	8.405	0.088	0	0	0	13
PL.24099	PL.24168	C	#4 ACSR	7.23Y	120.5	0.01	4.49	1.61	1	11	3	96	0.00	0.0	8.564	0.159	0	0	0	13
PL.24169	PL.24099	C	#4 ACSR	7.23Y	120.5	0.01	4.50	1.61	1	11	3	96	0.00	0.0	8.737	0.173	0	0	0	13
PL.24359	PL.24169	C	#4 ACSR	7.23Y	120.5	0.00	4.51	1.61	1	11	3	96	0.00	0.0	8.770	0.033	0	0	1	13
PL.24360	PL.24359	C	#4 ACSR	7.23Y	120.5	0.01	4.51	1.61	1	11	3	96	0.00	0.0	8.876	0.106	0	0	0	12
PL.24213	PL.24360	C	#4 ACSR	7.23Y	120.5	0.01	4.52	1.61	1	11	3	96	0.00	0.0	8.970	0.094	0	0	0	12
PL.24170	PL.24213	C	#4 ACSR	7.23Y	120.5	0.01	4.53	1.61	1	11	3	96	0.00	0.0	9.139	0.169	0	0	0	12
PL.24357	PL.24170	C	#4 ACSR	7.23Y	120.5	0.01	4.54	1.61	1	11	3	96	0.00	0.0	9.285	0.146	0	0	1	12
PL.24358	PL.24357	C	#4 ACSR	7.23Y	120.4	0.01	4.55	1.61	1	11	3	96	0.00	0.0	9.445	0.160	0	0	0	11
PL.24171	PL.24358	C	#4 ACSR	7.23Y	120.4	0.01	4.56	1.61	1	11	3	96	0.00	0.0	9.552	0.107	0	0	0	11
PL.24172	PL.24171	C	#4 ACSR	7.23Y	120.4	0.01	4.57	1.61	1	11	3	96	0.00	0.0	9.661	0.110	0	0	0	11
PL.24355	PL.24172	C	#4 ACSR	7.23Y	120.4	0.01	4.58	1.61	1	11	3	96	0.00	0.0	9.824	0.163	0	0	1	11
PL.24356	PL.24355	C	#4 ACSR	7.22Y	120.4	0.01	4.59	1.61	1	11	3	96	0.00	0.0	9.914	0.090	0	0	0	10
PL.23377	PL.24356	C	#4 ACSR	7.22Y	120.4	0.00	4.59	1.28	1	9	2	98	0.00	0.0	9.931	0.017	0	0	0	9
PL.24052	PL.23377	C	#4 ACSR	7.22Y	120.4	0.00	4.59	0.01	0	0	0	100	0.00	0.0	9.977	0.046	0	0	1	1
PL.24353	PL.23377	C	#4 ACSR	7.22Y	120.4	0.00	4.59	1.27	1	9	2	98	0.00	0.0	10.016	0.085	0	0	1	8
PL.24354	PL.24353	C	#4 ACSR	7.22Y	120.4	0.00	4.60	1.21	1	8	2	97	0.00	0.0	10.104	0.087	2	0	1	7
PL.24351	PL.24354	C	#4 ACSR	7.22Y	120.4	0.01	4.60	0.96	1	7	2	96	0.00	0.0	10.262	0.158	0	0	1	6
PL.24352	PL.24351	C	#4 ACSR	7.22Y	120.4	0.00	4.61	0.95	1	7	2	96	0.00	0.0	10.372	0.110	3	1	1	5
PL.24350	PL.24352	C	#4 ACSR	7.22Y	120.4	0.00	4.61	0.51	0	4	1	97	0.00	0.0	10.448	0.076	1	0	1	4
PL.24349	PL.24350	C	#4 ACSR	7.22Y	120.4	0.00	4.61	0.41	0	3	1	95	0.00	0.0	10.554	0.106	0	0	1	3
PL.24347	PL.24349	C	#4 ACSR	7.22Y	120.4	0.00	4.61	0.40	0	3	1	95	0.00	0.0	10.644	0.090	3	1	1	2
PL.24348	PL.24347	C	#4 ACSR	7.22Y	120.4	0.00	4.61	0.01	0	0	0	100	0.00	0.0	10.762	0.118	0	0	1	1
PL.24051	PL.24356	C	#4 ACSR	7.22Y	120.4	0.00	4.59	0.33	0	2	1	89	0.00	0.0	10.060	0.146	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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.24173	PL.24051	C	#4 ACSR	7.22Y	120.4	0.00	4.59	0.33	0	2	1	89	0.00	0.0	10.173	0.113	2	1	1	1
PL.24461	PL.24168	C	6 A (CWC)	7.23Y	120.5	0.00	4.48	0.00	0	0	0	100	0.00	0.0	8.410	0.005	0	0	0	0
PD.3425	PL.24461	C	10T	7.23Y	120.5	0.00	4.48	0.00	0	0	0	100	0.00	0.0	8.410	0.005	0	0	0	0
PL.24462	PD.3425	C	6 A (CWC)	7.23Y	120.5	0.00	4.48	0.00	0	0	0	100	0.00	0.0	8.537	0.127	0	0	0	0
PL.24463	PL.24049	C	6 A (CWC)	7.23Y	120.5	0.00	4.46	0.70	0	5	1	98	0.00	0.0	8.161	0.005	0	0	0	2
PD.3426	PL.24463	C	10T	7.23Y	120.5	0.00	4.46	0.70	0	5	1	98	0.00	0.0	8.161	0.005	0	0	0	2
PL.24464	PD.3426	C	6 A (CWC)	7.23Y	120.5	0.00	4.46	0.70	0	5	1	98	0.00	0.0	8.196	0.034	3	1	1	2
PL.24361	PL.24464	C	6 A (CWC)	7.23Y	120.5	0.00	4.46	0.32	0	2	1	89	0.00	0.0	8.301	0.106	0	0	0	1
PL.24167	PL.24361	C	6 A (CWC)	7.23Y	120.5	0.00	4.47	0.32	0	2	1	89	0.00	0.0	8.430	0.128	0	0	0	1
PL.24065	PL.24167	C	#4 ACSR	7.23Y	120.5	0.00	4.47	0.32	0	2	1	89	0.00	0.0	8.442	0.012	0	0	0	1
PL.24064	PL.24065	C	#4 ACSR	7.23Y	120.5	0.00	4.47	0.32	0	2	1	89	0.00	0.0	8.536	0.094	0	0	0	1
PL.24063	PL.24064	C	#4 ACSR	7.23Y	120.5	0.00	4.47	0.32	0	2	1	89	0.00	0.0	8.659	0.123	0	0	0	1
PL.24062	PL.24063	C	#4 ACSR	7.23Y	120.5	0.00	4.47	0.32	0	2	1	89	0.00	0.0	8.776	0.117	2	1	1	1
PL.24220	PL.24221	C	6 A (CWC)	7.24Y	120.6	0.00	4.40	0.36	0	2	1	89	0.00	0.0	7.690	0.150	0	0	0	2
PL.24098	PL.24220	C	6 A (CWC)	7.24Y	120.6	0.00	4.40	0.36	0	2	1	89	0.00	0.0	7.876	0.186	0	0	0	2
PL.24047	PL.24098	C	6 A (CWC)	7.24Y	120.6	0.00	4.40	0.00	0	0	0	100	0.00	0.0	7.924	0.047	0	0	0	0
PL.24048	PL.24098	C	#4 ACSR	7.24Y	120.6	0.00	4.40	0.36	0	2	1	89	0.00	0.0	7.934	0.057	2	1	2	2
PL.24501	PL.24224	C	6 A (CWC)	7.24Y	120.6	0.00	4.37	13.51	10	94	26	96	0.00	0.0	7.325	0.005	0	0	0	36
PD.3445-A	PL.24501	C	Closed	7.24Y	120.6	0.00	4.37	13.51	0	94	26	96	0.00	0.0	7.325	0.005	0	0	0	36
PD.3445-B	PD.3445-A	C	Closed	7.24Y	120.6	0.00	4.37	13.51	0	94	26	96	0.00	0.0	7.325	0.005	0	0	0	36
PL.24502	PD.3445-B	C	6 A (CWC)	7.23Y	120.5	0.10	4.47	13.51	10	94	26	96	0.07	0.1	7.498	0.173	7	2	1	36
PL.24468	PL.24502	C	6 A (CWC)	7.23Y	120.5	0.00	4.47	2.89	2	20	6	96	0.00	0.0	7.502	0.005	0	0	0	6
PD.3428	PL.24468	C	30T	7.23Y	120.5	0.00	4.47	2.89	0	20	6	96	0.00	0.0	7.502	0.005	0	0	0	6
PL.24467	PD.3428	C	6 A (CWC)	7.23Y	120.5	0.01	4.48	2.89	2	20	6	96	0.00	0.0	7.545	0.043	3	1	1	6
PL.23025	PL.24467	C	6 A (CWC)	7.23Y	120.5	0.00	4.48	2.50	2	17	5	96	0.00	0.0	7.573	0.027	5	1	1	5
PL.23024	PL.23025	C	6 A (CWC)	7.23Y	120.5	0.01	4.49	1.74	1	12	3	97	0.00	0.0	7.699	0.126	0	0	0	4
PL.23022	PL.23024	C	#4 ACSR	7.23Y	120.5	0.00	4.49	0.93	1	6	2	95	0.00	0.0	7.756	0.057	6	2	1	2
PL.23023	PL.23022	C	#4 ACSR	7.23Y	120.5	0.00	4.49	0.00	0	0	0	100	0.00	0.0	7.818	0.063	0	0	1	1
PL.23021	PL.23024	C	6 A (CWC)	7.23Y	120.5	0.00	4.49	0.81	1	6	2	95	0.00	0.0	7.735	0.036	0	0	0	2
PL.23020	PL.23021	C	6 A (CWC)	7.23Y	120.5	0.00	4.49	0.81	1	6	2	95	0.00	0.0	7.787	0.052	0	0	0	2
PL.23357	PL.23020	C	6 A (CWC)	7.23Y	120.5	0.00	4.50	0.81	1	6	2	95	0.00	0.0	7.970	0.183	6	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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.24417	PL.24502	C	#4 ACSR	7.23Y	120.5	0.00	4.47	9.65	7	67	19	96	0.00	0.0	7.502	0.005	0	0	0	29
PD.3402	PL.24417	C	30T	7.23Y	120.5	0.00	4.47	9.65	0	67	19	96	0.00	0.0	7.502	0.005	0	0	0	29
PL.24418	PD.3402	C	#4 ACSR	7.23Y	120.5	0.02	4.49	9.65	7	67	19	96	0.01	0.0	7.538	0.035	0	0	0	29
PL.23026	PL.24418	C	#4 ACSR	7.23Y	120.4	0.06	4.55	9.65	7	67	19	96	0.03	0.0	7.686	0.148	0	0	0	29
PL.24174	PL.23026	C	#4 ACSR	7.23Y	120.4	0.02	4.58	9.65	7	67	19	96	0.01	0.0	7.740	0.055	0	0	0	29
PL.23367	PL.24174	C	#1/0 ACSR	7.22Y	120.4	0.04	4.61	9.65	4	67	19	96	0.02	0.0	7.907	0.167	0	0	0	29
PL.23358	PL.23367	C	#1/0 ACSR	7.22Y	120.4	0.01	4.63	8.84	4	62	17	96	0.00	0.0	7.965	0.057	0	0	0	28
PL.23359	PL.23358	C	#1/0 ACSR	7.22Y	120.4	0.01	4.64	8.84	4	61	17	96	0.01	0.0	8.031	0.067	2	1	1	28
PL.23029	PL.23359	C	6 A (CWC)	7.22Y	120.3	0.07	4.71	8.48	6	59	17	96	0.03	0.1	8.210	0.178	3	1	1	27
PL.23030	PL.23029	C	6 A (CWC)	7.21Y	120.2	0.05	4.76	8.08	6	56	16	96	0.02	0.0	8.350	0.140	7	2	2	26
PL.23031	PL.23030	C	6 A (CWC)	7.21Y	120.2	0.01	4.77	7.01	5	49	14	96	0.00	0.0	8.383	0.033	0	0	1	24
PL.24131	PL.23031	C	6 A (CWC)	7.21Y	120.2	0.01	4.77	6.96	5	48	14	96	0.00	0.0	8.412	0.029	8	2	1	23
PL.23361	PL.24131	C	#1/0 ACSR	7.21Y	120.2	0.00	4.77	0.00	0	0	0	100	0.00	0.0	8.486	0.075	0	0	0	0
PL.23032	PL.24131	C	6 A (CWC)	7.21Y	120.2	0.04	4.81	5.86	4	41	11	97	0.01	0.0	8.562	0.150	3	1	1	22
PL.23033	PL.23032	C	6 A (CWC)	7.21Y	120.2	0.01	4.82	5.42	4	38	11	96	0.00	0.0	8.593	0.031	0	0	0	21
PL.24469	PL.23033	C	#4 ACSR	7.21Y	120.2	0.00	4.82	3.04	2	21	6	96	0.00	0.0	8.598	0.005	0	0	0	10
PD.3429	PL.24469	C	20T	7.21Y	120.2	0.00	4.82	3.04	0	21	6	96	0.00	0.0	8.598	0.005	0	0	0	10
PL.24470	PD.3429	C	#4 ACSR	7.21Y	120.2	0.00	4.82	3.04	2	21	6	96	0.00	0.0	8.613	0.016	3	1	1	10
PL.23034	PL.24470	C	#4 ACSR	7.21Y	120.2	0.02	4.84	2.66	2	18	5	96	0.00	0.0	8.772	0.158	0	0	0	9
PL.24100	PL.23034	C	#4 ACSR	7.21Y	120.1	0.02	4.86	2.66	2	18	5	96	0.00	0.0	8.934	0.162	0	0	0	8
PL.23366	PL.24100	C	#1/0 ACSR	7.21Y	120.1	0.00	4.86	0.00	0	0	0	100	0.00	0.0	9.004	0.070	0	0	0	0
PL.24101	PL.24100	C	#4 ACSR	7.21Y	120.1	0.01	4.87	2.66	2	18	5	96	0.00	0.0	9.028	0.094	0	0	0	8
PL.24068	PL.24101	C	#4 ACSR	7.21Y	120.1	0.00	4.87	0.20	0	1	0	100	0.00	0.0	9.112	0.084	1	0	1	1
PL.24069	PL.24101	C	#4 ACSR	7.21Y	120.1	0.00	4.87	0.07	0	0	0	100	0.00	0.0	9.088	0.060	0	0	1	1
PL.24070	PL.24101	C	#4 ACSR	7.21Y	120.1	0.02	4.89	2.40	2	17	5	96	0.00	0.0	9.209	0.181	0	0	0	6
PL.24459	PL.24070	C	#4 ACSR	7.21Y	120.1	0.00	4.89	0.43	0	3	1	95	0.00	0.0	9.213	0.005	0	0	0	2
PD.3424	PL.24459	C	12T	7.21Y	120.1	0.00	4.89	0.43	0	3	1	95	0.00	0.0	9.213	0.005	0	0	0	2
PL.24460	PD.3424	C	#4 ACSR	7.21Y	120.1	0.00	4.89	0.43	0	3	1	95	0.00	0.0	9.304	0.090	0	0	0	2
PL.24176	PL.24460	C	#4 ACSR	7.21Y	120.1	0.00	4.89	0.43	0	3	1	95	0.00	0.0	9.407	0.103	3	1	2	2
PL.24483	PL.24070	C	6 A (CWC)	7.21Y	120.1	0.00	4.89	1.97	1	14	4	96	0.00	0.0	9.213	0.005	0	0	0	4
PD.3437	PL.24483	C	12T	7.21Y	120.1	0.00	4.89	1.97	0	14	4	96	0.00	0.0	9.213	0.005	0	0	0	4

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

Balanced Voltage Drop Report
Source: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.24484	PD.3437	C	6 A (CWC)	7.21Y	120.1	0.01	4.91	1.97	1	14	4	96	0.00	0.0	9.376	0.163	0	0	0	4
PL.24177	PL.24484	C	6 A (CWC)	7.21Y	120.1	0.01	4.92	1.97	1	14	4	96	0.00	0.0	9.472	0.095	0	0	0	4
PL.24178	PL.24177	C	6 A (CWC)	7.20Y	120.1	0.01	4.93	1.97	1	14	4	96	0.00	0.0	9.629	0.157	0	0	0	4
PL.24072	PL.24178	C	6 A (CWC)	7.20Y	120.1	0.01	4.94	1.97	1	14	4	96	0.00	0.0	9.731	0.102	0	0	0	4
PL.24074	PL.24072	C	#4 ACSR	7.20Y	120.1	0.00	4.94	0.01	0	0	0	100	0.00	0.0	9.803	0.072	0	0	1	1
PL.24071	PL.24072	C	6 A (CWC)	7.20Y	120.1	0.00	4.94	0.00	0	0	0	100	0.00	0.0	9.796	0.065	0	0	0	0
PL.24073	PL.24072	C	#4 ACSR	7.20Y	120.0	0.01	4.95	1.96	2	14	4	96	0.00	0.0	9.867	0.136	0	0	0	3
PL.24343	PL.24073	C	#4 ACSR	7.20Y	120.0	0.01	4.96	1.96	2	14	4	96	0.00	0.0	10.013	0.146	8	2	2	3
PL.24344	PL.24343	C	#4 ACSR	7.20Y	120.0	0.01	4.97	0.77	1	5	1	98	0.00	0.0	10.180	0.167	0	0	0	1
PL.24179	PL.24344	C	#4 ACSR	7.20Y	120.0	0.00	4.97	0.77	1	5	1	98	0.00	0.0	10.337	0.156	5	1	1	1
PL.23365	PL.23034	C	#4 ACSR	7.21Y	120.2	0.00	4.84	0.00	0	0	0	100	0.00	0.0	8.861	0.089	0	0	1	1
PL.24421	PL.23033	C	6 A (CWC)	7.21Y	120.2	0.00	4.82	2.38	2	17	5	96	0.00	0.0	8.598	0.005	0	0	0	11
PD.3404	PL.24421	C	20T	7.21Y	120.2	0.00	4.82	2.38	0	17	5	96	0.00	0.0	8.598	0.005	0	0	0	11
PL.24422	PD.3404	C	6 A (CWC)	7.21Y	120.2	0.02	4.84	2.38	2	17	5	96	0.00	0.0	8.758	0.160	3	1	1	11
PL.23387	PL.24422	C	6 A (CWC)	7.21Y	120.2	0.01	4.85	1.87	1	13	4	96	0.00	0.0	8.866	0.108	0	0	1	8
PL.23364	PL.23387	C	#1/0 ACSR	7.21Y	120.1	0.01	4.86	1.83	1	13	4	96	0.00	0.0	9.080	0.214	0	0	0	7
PL.24473	PL.23364	C	6 A (CWC)	7.21Y	120.1	0.00	4.86	0.06	0	0	0	100	0.00	0.0	9.085	0.005	0	0	0	3
PD.3431	PL.24473	C	12T	7.21Y	120.1	0.00	4.86	0.06	0	0	0	100	0.00	0.0	9.085	0.005	0	0	0	3
PL.24474	PD.3431	C	6 A (CWC)	7.21Y	120.1	0.00	4.86	0.06	0	0	0	100	0.00	0.0	9.218	0.134	0	0	2	3
PL.23037	PL.24474	C	6 A (CWC)	7.21Y	120.1	0.00	4.86	0.02	0	0	0	100	0.00	0.0	9.311	0.093	0	0	0	1
PL.24210	PL.23037	C	6 A (CWC)	7.21Y	120.1	0.00	4.86	0.02	0	0	0	100	0.00	0.0	9.417	0.106	0	0	0	1
PL.24180	PL.24210	C	6 A (CWC)	7.21Y	120.1	0.00	4.86	0.02	0	0	0	100	0.00	0.0	9.582	0.165	0	0	0	1
PL.24181	PL.24180	C	#4 ACSR	7.21Y	120.1	0.00	4.86	0.02	0	0	0	100	0.00	0.0	9.690	0.108	0	0	0	1
PL.24182	PL.24181	C	#4 ACSR	7.21Y	120.1	0.00	4.86	0.02	0	0	0	100	0.00	0.0	9.789	0.099	0	0	0	1
PL.24102	PL.24182	C	#4 ACSR	7.21Y	120.1	0.00	4.86	0.02	0	0	0	100	0.00	0.0	9.911	0.121	0	0	1	1
PL.23937	PL.24182	C	#4 ACSR	7.21Y	120.1	0.00	4.86	0.00	0	0	0	100	0.00	0.0	9.887	0.097	0	0	0	0
PL.24426	PL.23364	C	6 A (CWC)	7.21Y	120.1	0.00	4.86	1.78	1	12	3	97	0.00	0.0	9.085	0.005	0	0	0	4
PD.3406	PL.24426	C	12T	7.21Y	120.1	0.00	4.86	1.78	0	12	3	97	0.00	0.0	9.085	0.005	0	0	0	4
PL.24425	PD.3406	C	6 A (CWC)	7.21Y	120.1	0.01	4.87	1.78	1	12	3	97	0.00	0.0	9.258	0.173	0	0	0	4
PL.23936	PL.24425	C	6 A (CWC)	7.21Y	120.1	0.01	4.88	1.78	1	12	3	97	0.00	0.0	9.438	0.180	0	0	0	4
PL.23935	PL.23936	C	6 A (CWC)	7.21Y	120.1	0.01	4.89	1.78	1	12	3	97	0.00	0.0	9.555	0.117	1	0	1	4

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

Balanced Voltage Drop Report
Source: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.23374	PL.23935	C	6 A (CWC)	7.21Y	120.1	0.00	4.89	0.00	0	0	0	100	0.00	0.0	9.604	0.049	0	0	0	0
PL.23375	PL.23935	C	#4 ACSR	7.21Y	120.1	0.01	4.90	1.66	1	12	3	97	0.00	0.0	9.651	0.097	0	0	0	3
PL.23035	PL.23375	C	#4 ACSR	7.21Y	120.1	0.01	4.91	1.66	1	11	3	96	0.00	0.0	9.820	0.169	0	0	0	3
PL.23036	PL.23035	C	#4 ACSR	7.21Y	120.1	0.00	4.92	1.66	1	11	3	96	0.00	0.0	9.860	0.039	0	0	0	3
PL.23038	PL.23036	C	#4 ACSR	7.20Y	120.1	0.01	4.92	1.66	1	11	3	96	0.00	0.0	9.977	0.118	5	2	1	3
PL.24267	PL.23038	C	#4 ACSR	7.20Y	120.1	0.01	4.93	0.88	1	6	2	95	0.00	0.0	10.151	0.174	3	1	1	2
PL.23938	PL.24267	C	#4 ACSR	7.20Y	120.1	0.00	4.93	0.45	0	3	1	95	0.00	0.0	10.197	0.046	3	1	1	1
PL.24424	PL.24422	C	6 A (CWC)	7.21Y	120.2	0.00	4.84	0.10	0	1	0	100	0.00	0.0	8.814	0.056	0	0	0	2
PD.3405	PL.24424	C	12T	7.21Y	120.2	0.00	4.84	0.10	0	1	0	100	0.00	0.0	8.814	0.056	0	0	0	2
PL.24423	PD.3405	C	6 A (CWC)	7.21Y	120.2	0.00	4.84	0.10	0	1	0	100	0.00	0.0	8.916	0.103	0	0	1	2
PL.23363	PL.24423	C	#4 ACSR	7.21Y	120.2	0.00	4.84	0.08	0	1	0	100	0.00	0.0	8.953	0.037	0	0	0	1
PL.23362	PL.23363	C	#4 ACSR	7.21Y	120.2	0.00	4.84	0.08	0	1	0	100	0.00	0.0	9.053	0.099	1	0	1	1
PL.24419	PL.23367	C	6 A (CWC)	7.22Y	120.4	0.00	4.61	0.80	1	6	2	95	0.00	0.0	7.912	0.005	0	0	0	1
PD.3403	PL.24419	C	20T	7.22Y	120.4	0.00	4.61	0.80	0	6	2	95	0.00	0.0	7.912	0.005	0	0	0	1
PL.24420	PD.3403	C	6 A (CWC)	7.22Y	120.4	0.00	4.62	0.80	1	6	2	95	0.00	0.0	8.055	0.143	6	2	1	1
PL.24415	PL.23018	C	6 A (CWC)	7.24Y	120.7	0.00	4.28	0.15	0	1	0	100	0.00	0.0	7.211	0.005	0	0	0	2
PD.3401	PL.24415	C	30T	7.24Y	120.7	0.00	4.28	0.15	0	1	0	100	0.00	0.0	7.211	0.005	0	0	0	2
PL.24416	PD.3401	C	6 A (CWC)	7.24Y	120.7	0.00	4.28	0.15	0	1	0	100	0.00	0.0	7.229	0.018	1	0	1	2
PL.23019	PL.24416	C	6 A (CWC)	7.24Y	120.7	0.00	4.28	0.00	0	0	0	100	0.00	0.0	7.367	0.138	0	0	1	1
PL.24465	PL.24161	C	#1/0 ACSR	7.28Y	121.4	0.00	3.65	0.00	0	0	0	100	0.00	0.0	6.391	0.005	0	0	0	0
PD.3427	PL.24465	C	30T	7.28Y	121.4	0.00	3.65	0.00	0	0	0	100	0.00	0.0	6.391	0.005	0	0	0	0
PL.24466	PD.3427	C	#1/0 ACSR	7.28Y	121.4	0.00	3.65	0.00	0	0	0	100	0.00	0.0	6.444	0.052	0	0	0	0
PL.24397	PL.24161	C	6 A (CWC)	7.28Y	121.4	0.00	3.65	0.02	0	0	0	100	0.00	0.0	6.392	0.005	0	0	0	1
PD.3393	PL.24397	C	30T	7.28Y	121.4	0.00	3.65	0.02	0	0	0	100	0.00	0.0	6.392	0.005	0	0	0	1
PL.24398	PD.3393	C	6 A (CWC)	7.28Y	121.4	0.00	3.65	0.02	0	0	0	100	0.00	0.0	6.461	0.069	0	0	0	1
PL.23933	PL.24398	C	6 A (CWC)	7.28Y	121.4	0.00	3.65	0.02	0	0	0	100	0.00	0.0	6.622	0.161	0	0	1	1
PL.24383	PL.24160	C	#1/0 ACSR	7.29Y	121.5	0.00	3.53	1.26	1	9	2	98	0.00	0.0	6.122	0.005	0	0	0	2
PD.3384	PL.24383	C	30T	7.29Y	121.5	0.00	3.53	1.26	0	9	2	98	0.00	0.0	6.122	0.005	0	0	0	2
PL.24384	PD.3384	C	#1/0 ACSR	7.29Y	121.5	0.00	3.53	1.26	1	9	2	98	0.00	0.0	6.164	0.042	6	2	1	2
PL.24248	PL.24384	C	#1/0 ACSR	7.29Y	121.5	0.00	3.54	0.43	0	3	1	95	0.00	0.0	6.203	0.039	0	0	0	1
PL.23932	PL.24248	C	#1/0 ACSR	7.29Y	121.5	0.00	3.54	0.43	0	3	1	95	0.00	0.0	6.242	0.039	3	1	1	1

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

Balanced Voltage Drop Report
Source: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.24381	PL.23929	C	#1/0 ACSR	7.30Y	121.7	0.00	3.33	0.24	0	2	0	100	0.00	0.0	5.681	0.005	0	0	0	2
PD.3383	PL.24381	C	10T	7.30Y	121.7	0.00	3.33	0.24	0	2	0	100	0.00	0.0	5.681	0.005	0	0	0	2
PL.24382	PD.3383	C	#1/0 ACSR	7.30Y	121.7	0.00	3.33	0.24	0	2	0	100	0.00	0.0	5.798	0.117	0	0	1	2
PL.24247	PL.24382	C	#1/0 ACSR	7.30Y	121.7	0.00	3.33	0.24	0	2	0	100	0.00	0.0	5.859	0.061	2	0	1	1
PL.24373	PL.24158	A	6 A (CWC)	7.31Y	121.8	0.00	3.22	1.83	1	13	4	96	0.00	0.0	5.446	0.005	0	0	0	4
PD.3379	PL.24373	A	40T	7.31Y	121.8	0.00	3.22	1.83	0	13	4	96	0.00	0.0	5.446	0.005	0	0	0	4
PL.24374	PD.3379	A	6 A (CWC)	7.31Y	121.8	0.00	3.22	1.83	1	13	4	96	0.00	0.0	5.468	0.022	8	2	1	4
PL.23921	PL.24374	A	6 A (CWC)	7.31Y	121.8	0.00	3.22	0.65	0	5	1	98	0.00	0.0	5.532	0.064	2	1	2	3
PL.23924	PL.23921	A	#4 ACSR	7.31Y	121.8	0.00	3.22	0.00	0	0	0	100	0.00	0.0	5.552	0.020	0	0	0	0
PL.23925	PL.23921	A	6 A (CWC)	7.31Y	121.8	0.00	3.22	0.34	0	2	1	89	0.00	0.0	5.571	0.039	0	0	0	1
PL.23926	PL.23925	A	#4 ACSR	7.31Y	121.8	0.00	3.22	0.34	0	2	1	89	0.00	0.0	5.612	0.042	2	1	1	1
PL.24389	PL.24265	A	#4 ACSR	7.35Y	122.5	0.00	2.49	0.00	0	0	0	100	0.00	0.0	4.090	0.005	0	0	0	0
PD.3389	PL.24389	A	40T	7.35Y	122.5	0.00	2.49	0.00	0	0	0	100	0.00	0.0	4.090	0.005	0	0	0	0
PL.24390	PD.3389	A	#4 ACSR	7.35Y	122.5	0.00	2.49	0.00	0	0	0	100	0.00	0.0	4.119	0.029	0	0	0	0
PL.24393	PL.22995	A	#4 ACSR	7.36Y	122.7	0.00	2.30	1.39	1	10	3	96	0.00	0.0	3.740	0.005	0	0	0	1
PD.3391	PL.24393	A	40T	7.36Y	122.7	0.00	2.30	1.39	0	10	3	96	0.00	0.0	3.740	0.005	0	0	0	1
PL.24394	PD.3391	A	#4 ACSR	7.36Y	122.7	0.00	2.30	1.39	1	10	3	96	0.00	0.0	3.784	0.044	10	3	1	1
PL.24395	PL.22999	C	#4 ACSR	7.37Y	122.9	0.00	2.14	1.13	1	8	2	97	0.00	0.0	3.469	0.005	0	0	0	2
PD.3392	PL.24395	C	40T	7.37Y	122.9	0.00	2.14	1.13	0	8	2	97	0.00	0.0	3.469	0.005	0	0	0	2
PL.24396	PD.3392	C	#4 ACSR	7.37Y	122.9	0.00	2.14	1.13	1	8	2	97	0.00	0.0	3.488	0.019	8	2	2	2
PL.24399	PL.24516	C	#1/0 ACSR	7.40Y	123.4	0.00	1.62	0.04	0	0	0	100	0.00	0.0	2.561	0.004	0	0	0	1
PD.3394	PL.24399	C	40T	7.40Y	123.4	0.00	1.62	0.04	0	0	0	100	0.00	0.0	2.561	0.004	0	0	0	1
PL.24400	PD.3394	C	#1/0 ACSR	7.40Y	123.4	0.00	1.62	0.04	0	0	0	100	0.00	0.0	2.598	0.038	0	0	1	1
PL.24491	PL.23897	ABC	#1/0 ACSR	7.41Y	123.5	0.00	1.54	5.24	2	112	31	96	0.00	0.0	2.419	0.005	0	0	0	26
PD.3441	PL.24491	ABC	50T	7.41Y	123.5	0.00	1.54	5.24	0	112	31	96	0.00	0.0	2.419	0.005	0	0	0	26
PL.24492	PD.3441	ABC	#1/0 ACSR	7.41Y	123.5	0.00	1.54	5.24	2	112	31	96	0.00	0.0	2.454	0.035	5	1	3	26
PL.23898	PL.24492	ABC	#4 ACSR	7.41Y	123.4	0.02	1.55	5.01	4	107	30	96	0.01	0.0	2.537	0.083	0	0	0	23
PL.24387	PL.23898	C	6 A (CWC)	7.41Y	123.4	0.00	1.56	0.24	0	2	0	100	0.00	0.0	2.542	0.005	0	0	0	1
PD.3388	PL.24387	C	30T	7.41Y	123.4	0.00	1.56	0.24	0	2	0	100	0.00	0.0	2.542	0.005	0	0	0	1
PL.24388	PD.3388	C	6 A (CWC)	7.41Y	123.4	0.00	1.56	0.24	0	2	0	100	0.00	0.0	2.631	0.089	2	0	1	1
PL.24081	PL.23898	ABC	#4 ACSR	7.41Y	123.4	0.02	1.58	4.93	4	105	30	96	0.02	0.0	2.670	0.133	0	0	0	22

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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.23899	PL.24081	ABC	#4 ACSR	7.40Y	123.4	0.02	1.60	4.93	4	105	30	96	0.01	0.0	2.754	0.084	8	2	1	22
PL.24365	PL.23899	ABC	#4 ACSR	7.40Y	123.4	0.02	1.61	4.57	4	98	27	96	0.01	0.0	2.852	0.098	2	1	1	21
PL.24366	PL.24365	ABC	#4 ACSR	7.40Y	123.4	0.02	1.63	4.49	3	96	27	96	0.01	0.0	2.966	0.115	8	2	1	20
PL.24364	PL.24366	ABC	#4 ACSR	7.40Y	123.4	0.01	1.64	4.11	3	88	25	96	0.01	0.0	3.022	0.056	0	0	0	19
PL.23900	PL.24364	ABC	#4 ACSR	7.40Y	123.3	0.01	1.65	4.11	3	88	25	96	0.01	0.0	3.100	0.078	0	0	0	19
PL.24259	PL.23900	ABC	#4 ACSR	7.40Y	123.3	0.01	1.66	4.11	3	88	25	96	0.01	0.0	3.158	0.058	6	2	1	19
PL.24260	PL.24259	ABC	#4 ACSR	7.40Y	123.3	0.02	1.68	3.84	3	82	23	96	0.01	0.0	3.263	0.105	0	0	0	18
PL.24214	PL.24260	ABC	#4 ACSR	7.40Y	123.3	0.02	1.69	3.84	3	82	23	96	0.01	0.0	3.366	0.104	0	0	0	18
PL.24135	PL.24214	ABC	#4 ACSR	7.40Y	123.3	0.02	1.71	3.84	3	82	23	96	0.02	0.0	3.533	0.167	0	0	0	18
PL.24136	PL.24135	ABC	#4 ACSR	7.40Y	123.3	0.01	1.73	3.84	3	82	23	96	0.01	0.0	3.604	0.071	0	0	0	18
PL.24082	PL.24136	ABC	#4 ACSR	7.40Y	123.3	0.02	1.75	3.84	3	82	23	96	0.02	0.0	3.774	0.170	0	0	0	18
PL.24083	PL.24082	ABC	#4 ACSR	7.39Y	123.2	0.01	1.76	3.57	3	76	21	96	0.01	0.0	3.872	0.097	0	0	0	14
PL.24215	PL.24083	ABC	#4 ACSR	7.39Y	123.2	0.02	1.78	3.57	3	76	21	96	0.01	0.0	3.982	0.111	0	0	0	14
PL.24141	PL.24215	ABC	#4 ACSR	7.39Y	123.2	0.03	1.80	3.57	3	76	21	96	0.02	0.0	4.169	0.186	0	0	0	14
PL.24142	PL.24141	ABC	#4 ACSR	7.39Y	123.2	0.02	1.82	3.57	3	76	21	96	0.01	0.0	4.293	0.124	0	0	0	14
PL.23907	PL.24142	ABC	#4 ACSR	7.39Y	123.2	0.01	1.83	3.57	3	76	21	96	0.01	0.0	4.396	0.103	0	0	0	14
PL.23909	PL.23907	C	6 A (CWC)	7.39Y	123.2	0.00	1.83	2.70	2	19	5	97	0.00	0.0	4.401	0.005	0	0	0	3
PD.3385	PL.23909	C	30T	7.39Y	123.2	0.00	1.83	2.70	0	19	5	97	0.00	0.0	4.401	0.005	0	0	0	3
PL.24086	PD.3385	C	6 A (CWC)	7.39Y	123.2	0.00	1.84	1.51	1	11	3	96	0.00	0.0	4.500	0.100	11	3	2	2
PL.23908	PD.3385	C	#4 ACSR	7.39Y	123.2	0.00	1.84	1.19	1	8	2	97	0.00	0.0	4.432	0.031	8	2	1	1
PL.24085	PL.23907	ABC	#4 ACSR	7.39Y	123.1	0.02	1.85	2.67	2	57	16	96	0.01	0.0	4.552	0.156	0	0	0	11
PL.24371	PL.24085	C	#4 ACSR	7.39Y	123.1	0.00	1.85	7.83	6	56	16	96	0.00	0.0	4.557	0.005	0	0	0	10
PD.3378	PL.24371	C	20T	7.39Y	123.1	0.00	1.85	7.83	0	56	16	96	0.00	0.0	4.557	0.005	0	0	0	10
PL.24372	PD.3378	C	#4 ACSR	7.39Y	123.1	0.03	1.88	7.83	6	56	16	96	0.01	0.0	4.641	0.084	0	0	0	10
PL.24143	PL.24372	C	#4 ACSR	7.38Y	123.1	0.04	1.92	7.83	6	56	16	96	0.02	0.0	4.757	0.117	0	0	0	10
PL.24087	PL.24143	C	#4 ACSR	7.38Y	123.0	0.03	1.95	7.83	6	56	16	96	0.01	0.0	4.847	0.089	0	0	0	10
PL.23914	PL.24087	C	#4 ACSR	7.38Y	123.0	0.04	2.00	7.83	6	56	16	96	0.02	0.0	4.973	0.127	0	0	0	10
PL.24088	PL.23914	C	#4 ACSR	7.38Y	123.0	0.01	2.01	6.94	5	49	14	96	0.00	0.0	5.000	0.027	0	0	0	8
PL.24144	PL.24088	C	#4 ACSR	7.38Y	122.9	0.05	2.06	6.94	5	49	14	96	0.02	0.0	5.184	0.184	7	2	1	8
PL.23916	PL.24144	C	#4 ACSR	7.38Y	122.9	0.00	2.06	0.48	0	3	1	95	0.00	0.0	5.254	0.070	3	1	1	1
PL.23917	PL.24144	C	#4 ACSR	7.38Y	122.9	0.01	2.07	5.46	4	39	11	96	0.00	0.0	5.242	0.058	0	0	0	6

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

Balanced Voltage Drop Report
Source: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.24089	PL.23917	C	#4 ACSR	7.37Y	122.9	0.02	2.09	3.76	3	27	7	97	0.00	0.0	5.355	0.113	8	2	1	5
PL.23919	PL.24089	C	#4 ACSR	7.37Y	122.9	0.01	2.10	2.35	2	17	5	96	0.00	0.0	5.459	0.104	0	0	0	3
PL.23920	PL.23919	C	#4 ACSR	7.37Y	122.9	0.00	2.10	2.35	2	17	5	96	0.00	0.0	5.491	0.031	0	0	0	3
PL.24367	PL.23920	C	#4 ACSR	7.37Y	122.9	0.00	2.11	2.35	2	17	5	96	0.00	0.0	5.520	0.029	3	1	1	3
PL.24368	PL.24367	C	#4 ACSR	7.37Y	122.9	0.01	2.11	1.95	2	14	4	96	0.00	0.0	5.603	0.083	0	0	0	2
PL.24076	PL.24368	C	#4 ACSR	7.37Y	122.9	0.00	2.11	0.87	1	6	2	95	0.00	0.0	5.628	0.025	6	2	1	1
PL.24077	PL.24368	C	#4 ACSR	7.37Y	122.9	0.00	2.12	1.09	1	8	2	97	0.00	0.0	5.708	0.104	8	2	1	1
PL.24061	PL.24089	C	#4 ACSR	7.37Y	122.9	0.00	2.09	0.33	0	2	1	89	0.00	0.0	5.425	0.070	0	0	0	1
PL.24060	PL.24061	C	#4 ACSR	7.37Y	122.9	0.00	2.09	0.33	0	2	1	89	0.00	0.0	5.533	0.108	0	0	0	1
PL.24145	PL.24060	C	#4 ACSR	7.37Y	122.9	0.00	2.09	0.33	0	2	1	89	0.00	0.0	5.631	0.098	2	1	1	1
PL.23918	PL.23917	C	#2 ACSR	7.38Y	122.9	0.00	2.07	1.70	1	12	3	97	0.00	0.0	5.285	0.043	12	3	1	1
PL.23915	PL.23914	C	#4 ACSR	7.38Y	123.0	0.00	2.00	0.88	1	6	2	95	0.00	0.0	5.050	0.077	6	2	2	2
PL.23910	PL.24085	ABC	#4 ACSR	7.39Y	123.1	0.00	1.85	0.06	0	1	0	100	0.00	0.0	4.592	0.040	0	0	0	1
PL.23911	PL.23910	ABC	#4 ACSR	7.39Y	123.1	0.00	1.85	0.06	0	1	0	100	0.00	0.0	4.700	0.108	1	0	1	1
PL.23902	PL.24082	B	6 A (CWC)	7.39Y	123.2	0.00	1.75	0.80	1	6	2	95	0.00	0.0	3.861	0.086	0	0	0	4
PD.3386	PL.23902	B	30T	7.39Y	123.2	0.00	1.75	0.80	0	6	2	95	0.00	0.0	3.861	0.086	0	0	0	4
PL.24084	PD.3386	B	6 A (CWC)	7.39Y	123.2	0.00	1.75	0.54	0	4	1	97	0.00	0.0	3.936	0.076	4	1	1	1
PL.23903	PD.3386	B	6 A (CWC)	7.39Y	123.2	0.00	1.75	0.27	0	2	1	89	0.00	0.0	4.003	0.142	1	0	1	3
PL.24362	PL.23903	B	6 A (CWC)	7.39Y	123.2	0.00	1.76	0.16	0	1	0	100	0.00	0.0	4.129	0.126	0	0	1	2
PL.24363	PL.24362	B	6 A (CWC)	7.39Y	123.2	0.00	1.76	0.12	0	1	0	100	0.00	0.0	4.226	0.097	0	0	0	1
PL.24139	PL.24363	B	6 A (CWC)	7.39Y	123.2	0.00	1.76	0.12	0	1	0	100	0.00	0.0	4.365	0.139	0	0	0	1
PL.24140	PL.24139	B	6 A (CWC)	7.39Y	123.2	0.00	1.76	0.12	0	1	0	100	0.00	0.0	4.513	0.148	1	0	1	1
PL.24385	PL.24136	C	#4 ACSR	7.40Y	123.3	0.00	1.73	0.00	0	0	0	100	0.00	0.0	3.609	0.005	0	0	0	0
PD.3387	PL.24385	C	30T	7.40Y	123.3	0.00	1.73	0.00	0	0	0	100	0.00	0.0	3.609	0.005	0	0	0	0
PL.24386	PD.3387	C	#4 ACSR	7.40Y	123.3	0.00	1.73	0.00	0	0	0	100	0.00	0.0	3.763	0.155	0	0	0	0
PL.24137	PL.24386	C	#4 ACSR	7.40Y	123.3	0.00	1.73	0.00	0	0	0	100	0.00	0.0	3.865	0.102	0	0	0	0
PL.24138	PL.24137	C	#4 ACSR	7.40Y	123.3	0.00	1.73	0.00	0	0	0	100	0.00	0.0	3.990	0.124	0	0	0	0
PL.23901	PL.24138	C	#4 ACSR	7.40Y	123.3	0.00	1.73	0.00	0	0	0	100	0.00	0.0	4.085	0.095	0	0	0	0
PL.23894	PL.24216	C	#4 ACSR	7.41Y	123.6	0.00	1.42	0.02	0	0	0	100	0.00	0.0	2.269	0.032	0	0	0	1
PL.24407	PL.23894	C	#4 ACSR	7.41Y	123.6	0.00	1.42	0.02	0	0	0	100	0.00	0.0	2.273	0.005	0	0	0	1
PD.3397	PL.24407	C	50T	7.41Y	123.6	0.00	1.42	0.02	0	0	0	100	0.00	0.0	2.273	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: Millers Creek

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.24408	PD.3397	C	#4 ACSR	7.41Y	123.6	0.00	1.42	0.02	0	0	0	100	0.00	0.0	2.300	0.026	0	0	0	1
PL.23895	PL.24408	C	6 A (CWC)	7.41Y	123.6	0.00	1.42	0.02	0	0	0	100	0.00	0.0	2.482	0.182	0	0	0	1
PL.23896	PL.23895	C	#4 ACSR	7.41Y	123.6	0.00	1.42	0.02	0	0	0	100	0.00	0.0	2.567	0.085	0	0	1	1
PL.24413	PL.23012	C	#1/0 ACSR	7.49Y	124.8	0.00	0.16	0.85	0	6	2	95	0.00	0.0	0.296	0.057	0	0	0	2
PD.3400	PL.24413	C	50T	7.49Y	124.8	0.00	0.16	0.85	0	6	2	95	0.00	0.0	0.296	0.057	0	0	0	2
PL.24414	PD.3400	C	#1/0 ACSR	7.49Y	124.8	0.00	0.16	0.85	0	6	2	95	0.00	0.0	0.308	0.013	0	0	1	2
PL.23891	PL.24414	C	#1/0 ACSR	7.49Y	124.8	0.00	0.16	0.85	0	6	2	95	0.00	0.0	0.348	0.040	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

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	5528	0	0	0	0	0	170	0.00	5698
KVAR	1608	0	0	0	0	0	268		1876

Lowest Voltage = 118.11 on Element PL.20917
Max Accm VoltD = 6.89 on Element PL.20917
Max Elem VoltD = 0.33 on Element PL.23384