Balanced Voltage Drop Report
Source: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
Three Links		ABC	SRC-Three	7.50Y	125.0	0.00	0.00	294.70	0	6298	2072	95	0.00	0.0	0.000	0.000	0	0	0	1172
PL.53062	Three Links	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	96.92	19	2088	628	96	0.02	0.0	0.002	0.002	0	0	0	455
PL.53065	PL.53062	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	96.92	19	2088	628	96	0.02	0.0	0.004	0.002	0	0	0	455
---------- Feeder No. 3 (Disputanta F3) Beginning with Device PD.8075 ----------																				
PD.8075	PL.53065	ABC	360VWE	7.50Y	125.0	0.00	0.00	96.92	0	2088	627	96	0.00	0.0	0.004	0.002	0	0	0	455
PL.38482	PD.8075	ABC	336 MCM AC	7.50Y	124.9	0.07	0.08	96.92	19	2088	627	96	0.79	0.0	0.104	0.100	0	0	0	455
PL.37978	PL.38482	ABC	336 MCM AC	7.49Y	124.9	0.07	0.14	96.92	19	2088	626	96	0.73	0.0	0.196	0.092	0	0	0	455
PL.52499	PL.37978	ABC	336 MCM AC	7.48Y	124.7	0.11	0.26	96.92	19	2087	624	96	1.21	0.1	0.349	0.153	0	0	0	455
PL.52501	PL.52499	A	#4 ACSR	7.48Y	124.7	0.00	0.26	0.25	0	2	0	100	0.00	0.0	0.351	0.001	0	0	0	1
PD.6077	PL.52501	A	75QA	7.48Y	124.7	0.00	0.26	0.25	0	2	0	100	0.00	0.0	0.351	0.001	0	0	0	1
PL.37581	PD.6077	A	#4 ACSR	7.48Y	124.7	0.00	0.26	0.25	0	2	0	100	0.00	0.0	0.531	0.180	0	0	0	1
PL.37287	PL.37581	A	#4 ACSR	7.48Y	124.7	0.00	0.26	0.00	0	0	0	100	0.00	0.0	0.698	0.167	0	0	0	0
PL.37477	PL.37581	A	#4 ACSR	7.48Y	124.7	0.00	0.26	0.25	0	2	0	100	0.00	0.0	0.609	0.078	2	0	1	1
PL.52500	PL.52499	ABC	336 MCM AC	7.47Y	124.6	0.18	0.44	96.83	19	2084	621	96	1.93	0.1	0.593	0.244	0	0	0	454
PL.37726	PL.52500	C	#2 ACSR	7.47Y	124.6	0.00	0.44	0.53	0	4	1	97	0.00	0.0	0.593	0.000	0	0	0	1
PD.6017	PL.37726	C	60QA	7.47Y	124.6	0.00	0.44	0.53	1	4	1	97	0.00	0.0	0.593	0.000	0	0	0	1
PL.37388	PD.6017	C	#2 ACSR	7.47Y	124.6	0.00	0.44	0.53	0	4	1	97	0.00	0.0	0.645	0.051	4	1	1	1
PL.37389	PL.52500	ABC	336 MCM AC	7.47Y	124.5	0.05	0.48	96.66	19	2078	615	96	0.51	0.0	0.658	0.065	6	1	2	453
PL.37390	PL.37389	A	#4 ACSR	7.47Y	124.5	0.00	0.48	0.44	0	3	1	95	0.00	0.0	0.662	0.004	0	0	0	2
PD.6018	PL.37390	A	75QA	7.47Y	124.5	0.00	0.48	0.44	1	3	1	95	0.00	0.0	0.662	0.004	0	0	0	2
PL.37402	PD.6018	A	#4 ACSR	7.47Y	124.5	0.00	0.49	0.44	0	3	1	95	0.00	0.0	0.713	0.051	3	1	1	2
PL.37118	PL.37402	A	#4 ACSR	7.47Y	124.5	0.00	0.49	0.07	0	1	0	100	0.00	0.0	0.747	0.034	0	0	0	1
PL.37050	PL.37118	A	#4 ACSR	7.47Y	124.5	0.00	0.49	0.07	0	1	0	100	0.00	0.0	0.781	0.034	1	0	1	1
PL.58008	PL.37389	ABC	336 MCM AC	7.46Y	124.4	0.11	0.59	96.24	19	2068	612	96	1.16	0.1	0.806	0.148	0	0	0	449
PL.62882	PL.58008	ABC	336 MCM AC	7.46Y	124.3	0.07	0.66	95.51	18	2051	605	96	0.74	0.0	0.903	0.097	0	0	0	445
PL.62880	PL.62882	A	#1/0 ACSR	7.46Y	124.3	0.00	0.66	0.11	0	1	0	100	0.00	0.0	0.908	0.004	0	0	0	1
PD.9441	PL.62880	A	15T	7.46Y	124.3	0.00	0.66	0.11	0	1	0	100	0.00	0.0	0.908	0.004	0	0	0	1
PL.62885	PD.9441	A	#1/0 ACSR	7.46Y	124.3	0.00	0.66	0.11	0	1	0	100	0.00	0.0	0.951	0.044	1	0	1	1
PL.62881	PL.62882	ABC	336 MCM AC	7.46Y	124.3	0.05	0.72	95.47	18	2050	603	96	0.56	0.0	0.976	0.073	0	0	0	444
PL.62883	PL.62881	ABC	336 MCM AC	7.45Y	124.1	0.15	0.86	95.04	18	2040	600	96	1.55	0.1	1.180	0.203	0	0	0	443

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: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.36749	PL.62883	C	6 A (CWC)	7.45Y	124.1	0.00	0.86	0.00	0	0	0	100	0.00	0.0	1.182	0.003	0	0	0	0
PD.5905	PL.36749	C	75QA	7.45Y	124.1	0.00	0.86	0.00	0	0	0	100	0.00	0.0	1.182	0.003	0	0	0	0
PL.37057	PD.5905	C	6 A (CWC)	7.45Y	124.1	0.00	0.86	0.00	0	0	0	100	0.00	0.0	1.265	0.082	0	0	0	0
PL.37052	PL.62883	ABC	336 MCM AC	7.44Y	124.0	0.14	1.00	95.04	18	2038	596	96	1.44	0.1	1.369	0.189	0	0	1	443
PL.37053	PL.37052	ABC	336 MCM AC	7.44Y	123.9	0.08	1.07	95.02	18	2036	593	96	0.80	0.0	1.474	0.106	0	0	0	442
PL.38230	PL.37053	ABC	336 MCM AC	7.43Y	123.8	0.08	1.15	95.02	18	2036	591	96	0.85	0.0	1.586	0.111	0	0	0	442
PL.38231	PL.38230	B	#2 ACSR	7.43Y	123.8	0.00	1.15	0.68	0	5	1	98	0.00	0.0	1.588	0.003	0	0	0	1
PD.6030	PL.38231	B	50QA	7.43Y	123.8	0.00	1.15	0.68	1	5	1	98	0.00	0.0	1.588	0.003	0	0	0	1
PL.38232	PD.6030	B	#2 ACSR	7.43Y	123.8	0.00	1.15	0.68	0	5	1	98	0.00	0.0	1.604	0.016	5	1	1	1
PL.37058	PL.38230	ABC	336 MCM AC	7.42Y	123.7	0.12	1.28	94.79	18	2030	588	96	1.32	0.1	1.760	0.174	0	0	0	441
PL.37060	PL.37058	ABC	336 MCM AC	7.42Y	123.7	0.00	1.28	0.00	0	0	0	100	0.00	0.0	1.763	0.003	0	0	0	0
PD.6045	PL.37060	ABC	75QA	7.42Y	123.7	0.00	1.28	0.00	0	0	0	100	0.00	0.0	1.763	0.003	0	0	0	0
PL.37061	PD.6045	ABC	336 MCM AC	7.42Y	123.7	0.00	1.28	0.00	0	0	0	100	0.00	0.0	1.847	0.084	0	0	0	0
PL.37059	PL.37058	ABC	336 MCM AC	7.42Y	123.6	0.08	1.36	94.79	18	2029	584	96	0.85	0.0	1.873	0.113	3	1	1	441
PL.37733	PL.37059	C	#4 ACSR	7.42Y	123.6	0.00	1.36	10.50	8	76	18	97	0.00	0.0	1.877	0.005	0	0	0	10
PD.5891	PL.37733	C	75QA	7.42Y	123.6	0.00	1.36	10.50	14	76	18	97	0.00	0.0	1.877	0.005	0	0	0	10
PL.37277	PD.5891	C	#4 ACSR	7.41Y	123.6	0.06	1.42	10.50	8	76	18	97	0.03	0.0	2.044	0.166	28	7	2	10
PL.37278	PL.37277	C	#4 ACSR	7.41Y	123.6	0.01	1.44	6.67	5	48	12	97	0.01	0.0	2.094	0.051	0	0	0	8
PL.37062	PL.37278	C	#4 ACSR	7.41Y	123.5	0.02	1.46	6.67	5	48	12	97	0.01	0.0	2.193	0.099	19	5	2	8
PL.37888	PL.37062	C	336 MCM AC	7.41Y	123.5	0.00	1.46	1.01	0	7	2	96	0.00	0.0	2.216	0.023	7	2	1	1
PL.52039	PL.37062	C	#4 ACSR	7.41Y	123.5	0.01	1.47	3.05	2	22	5	98	0.00	0.0	2.269	0.076	8	2	2	5
PL.52040	PL.52039	C	#4 ACSR	7.41Y	123.5	0.02	1.49	2.01	2	14	4	96	0.00	0.0	2.574	0.305	2	1	1	3
PL.37063	PL.52040	C	#4 ACSR	7.41Y	123.5	0.01	1.51	1.68	1	12	3	97	0.00	0.0	2.759	0.185	2	0	1	2
PL.37064	PL.37063	C	#4 ACSR	7.41Y	123.5	0.01	1.51	1.42	1	10	2	98	0.00	0.0	2.955	0.196	10	2	1	1
PL.37816	PL.37059	ABC	336 MCM AC	7.42Y	123.6	0.05	1.41	91.18	18	1949	563	96	0.55	0.0	1.951	0.079	0	0	0	430
PL.38135	PL.37816	ABC	#1/0 ACSR	7.41Y	123.5	0.11	1.52	89.94	39	1922	556	96	1.43	0.1	2.018	0.066	0	0	0	425
PL.37833	PL.38135	ABC	#1/0 ACSR	7.41Y	123.5	0.00	1.52	89.94	39	1921	554	96	0.05	0.0	2.020	0.002	0	0	0	425
PD.9280-A	PL.37833	ABC	Closed	7.41Y	123.5	0.00	1.52	89.94	0	1921	554	96	0.00	0.0	2.020	0.002	0	0	0	425
PD.9280-B	PD.9280-A	ABC	Closed	7.41Y	123.5	0.00	1.52	89.94	0	1921	554	96	0.00	0.0	2.020	0.002	0	0	0	425
PL.37438	PD.9280-B	ABC	#1/0 ACSR	7.40Y	123.3	0.21	1.74	89.94	39	1921	554	96	2.80	0.1	2.150	0.130	2	1	2	425
PL.37846	PL.37438	ABC	#1/0 ACSR	7.39Y	123.1	0.12	1.86	89.54	39	1909	549	96	1.58	0.1	2.224	0.074	1	0	1	422

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.37847	PL.37846	ABC	#1/0 ACSR	7.38Y	123.0	0.13	1.99	89.48	39	1906	548	96	1.74	0.1	2.305	0.081	0	0	0	421
PL.37848	PL.37847	A	#4 ACSR	7.38Y	123.0	0.00	1.99	1.03	1	7	2	96	0.00	0.0	2.307	0.002	0	0	0	3
PD.6015	PL.37848	A	40QA	7.38Y	123.0	0.00	1.99	1.03	3	7	2	96	0.00	0.0	2.307	0.002	0	0	0	3
PL.37441	PD.6015	A	#4 ACSR	7.38Y	123.0	0.00	1.99	1.03	1	7	2	96	0.00	0.0	2.359	0.052	0	0	0	3
PL.37442	PL.37441	A	#4 ACSR	7.38Y	123.0	0.00	1.99	0.24	0	2	0	100	0.00	0.0	2.421	0.062	2	0	2	2
PL.37443	PL.37442	A	#4 ACSR	7.38Y	123.0	0.00	1.99	0.00	0	0	0	100	0.00	0.0	2.484	0.063	0	0	0	0
PL.37626	PL.37441	A	#2 ACSR	7.38Y	123.0	0.00	1.99	0.79	0	6	1	99	0.00	0.0	2.413	0.054	6	1	1	1
PL.38129	PL.37441	A	#4 ACSR	7.38Y	123.0	0.00	1.99	0.00	0	0	0	100	0.00	0.0	2.399	0.040	0	0	0	0
PL.37444	PL.37847	ABC	#1/0 ACSR	7.37Y	122.9	0.14	2.13	89.14	39	1897	544	96	1.87	0.1	2.394	0.088	1	0	2	418
PL.37445	PL.37444	ABC	#1/0 ACSR	7.37Y	122.8	0.05	2.18	89.11	39	1895	542	96	0.66	0.0	2.425	0.031	0	0	0	416
PL.38393	PL.37445	ABC	#1/0 ACSR	7.34Y	122.4	0.41	2.60	86.98	38	1848	530	96	5.30	0.3	2.689	0.263	6	1	2	405
PL.37037	PL.38393	A	#1/0 ACSR	7.34Y	122.4	0.00	2.60	1.11	0	8	2	97	0.00	0.0	2.689	0.001	0	0	0	2
PD.5243	PL.37037	A	40QA	7.34Y	122.4	0.00	2.60	1.11	3	8	2	97	0.00	0.0	2.689	0.001	0	0	0	2
PL.38204	PD.5243	A	#1/0 ACSR	7.34Y	122.4	0.00	2.60	1.11	0	8	2	97	0.00	0.0	2.731	0.042	0	0	1	2
PL.37307	PL.38204	A	#2 ACSR	7.34Y	122.4	0.00	2.60	0.00	0	0	0	100	0.00	0.0	2.857	0.126	0	0	0	0
PL.37217	PL.38204	A	#1/0 ACSR	7.34Y	122.4	0.00	2.60	1.09	0	8	2	97	0.00	0.0	2.826	0.095	8	2	1	1
PL.37100	PL.37217	A	#1/0 ACSR	7.34Y	122.4	0.00	2.60	0.00	0	0	0	100	0.00	0.0	2.846	0.021	0	0	0	0
PL.51972	PL.38393	ABC	#1/0 ACSR	7.34Y	122.3	0.13	2.72	86.33	38	1829	522	96	1.61	0.1	2.770	0.081	0	0	0	401
PL.51970	PL.51972	C	6 A (CWC)	7.34Y	122.3	0.00	2.72	0.00	0	0	0	100	0.00	0.0	2.773	0.003	0	0	0	0
PD.5242	PL.51970	C	20QA	7.34Y	122.3	0.00	2.72	0.00	0	0	0	100	0.00	0.0	2.773	0.003	0	0	0	0
PL.38439	PD.5242	C	6 A (CWC)	7.34Y	122.3	0.00	2.72	0.00	0	0	0	100	0.00	0.0	2.807	0.034	0	0	0	0
PL.51971	PL.51972	ABC	#1/0 ACSR	7.31Y	121.8	0.45	3.17	86.33	38	1827	520	96	5.66	0.3	3.055	0.285	0	0	0	401
PL.51973	PL.51971	C	#1/0 ACSR	7.31Y	121.8	0.00	3.17	0.00	0	0	0	100	0.00	0.0	3.057	0.002	0	0	0	0
PD.6053	PL.51973	C	20QA	7.31Y	121.8	0.00	3.17	0.00	0	0	0	100	0.00	0.0	3.057	0.002	0	0	0	0
PL.38205	PD.6053	C	#1/0 ACSR	7.31Y	121.8	0.00	3.17	0.00	0	0	0	100	0.00	0.0	3.093	0.036	0	0	0	0
PL.51974	PL.51971	ABC	#1/0 ACSR	7.28Y	121.3	0.53	3.69	86.33	38	1822	515	96	6.69	0.4	3.392	0.337	0	0	0	401
PL.38206	PL.51974	ABC	#1/0 ACSR	7.27Y	121.2	0.07	3.76	85.94	37	1807	507	96	0.88	0.0	3.437	0.045	0	0	2	399
PL.38441	PL.38206	ABC	#1/0 ACSR	7.26Y	121.0	0.27	4.03	85.94	37	1806	506	96	3.41	0.2	3.610	0.173	0	0	0	397
PL.38443	PL.38441	A	6 A (CWC)	7.26Y	121.0	0.00	4.03	0.00	0	0	0	100	0.00	0.0	3.612	0.002	0	0	0	1
PD.6028	PL.38443	A	20QA	7.26Y	121.0	0.00	4.03	0.00	0	0	0	100	0.00	0.0	3.612	0.002	0	0	0	1
PL.38444	PD.6028	A	6 A (CWC)	7.26Y	121.0	0.00	4.03	0.00	0	0	0	100	0.00	0.0	3.651	0.040	0	0	1	1

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.38442	PL.38441	ABC	#1/0 ACSR	7.23Y	120.6	0.39	4.42	85.94	37	1803	502	96	4.95	0.3	3.862	0.252	1	0	1	396
PL.38445	PL.38442	A	#1/0 ACSR	7.23Y	120.6	0.00	4.42	0.00	0	0	0	100	0.00	0.0	3.866	0.004	0	0	0	1
PD.5231	PL.38445	A	20QA	7.23Y	120.6	0.00	4.42	0.00	0	0	0	100	0.00	0.0	3.866	0.004	0	0	0	1
PL.38446	PD.5231	A	#1/0 ACSR	7.23Y	120.6	0.00	4.42	0.00	0	0	0	100	0.00	0.0	3.917	0.051	0	0	1	1
PL.38447	PL.38442	ABC	#1/0 ACSR	7.22Y	120.4	0.18	4.60	85.87	37	1796	497	96	2.27	0.1	3.977	0.116	0	0	0	394
PL.37097	PL.38447	A	#2 ACSR	7.22Y	120.4	0.00	4.60	0.00	0	0	0	100	0.00	0.0	3.979	0.001	0	0	0	0
PD.6039	PL.37097	A	20QA	7.22Y	120.4	0.00	4.60	0.00	0	0	0	100	0.00	0.0	3.979	0.001	0	0	0	0
PL.37098	PD.6039	A	#2 ACSR	7.22Y	120.4	0.00	4.60	0.00	0	0	0	100	0.00	0.0	4.039	0.060	0	0	0	0
PL.37099	PL.38447	ABC	#1/0 ACSR	7.17Y	119.6	0.85	5.45	85.87	37	1794	495	96	10.73	0.6	4.525	0.547	4	1	1	394
PL.51716	PL.37099	ABC	#1/0 ACSR	7.15Y	119.2	0.39	5.84	85.68	37	1779	484	96	4.98	0.3	4.779	0.255	0	0	0	393
PL.53408	PL.51716	ABC	#1/0 ACSR	7.14Y	119.1	0.10	5.94	85.68	37	1774	479	97	1.26	0.1	4.844	0.064	0	0	0	393
PL.62135	PL.53408	ABC	#1/0 ACSR	7.14Y	118.9	0.13	6.07	72.08	31	1490	408	96	1.39	0.1	4.944	0.101	2	0	1	331
PL.62138	PL.62135	ABC	#1/0 ACSR	7.13Y	118.9	0.06	6.13	71.77	31	1482	405	96	0.67	0.0	4.993	0.049	0	0	0	329
RG.60	PL.62138	ABC	114.3 KVA	7.46Y	124.3	-5.44	0.70	71.77	48	1482	404	96	percent Boost= 4.38 Tap= 7.0							329
PL.62139	RG.60	ABC	#1/0 ACSR	7.45Y	124.2	0.06	0.75	68.63	30	1482	404	96	0.59	0.0	5.040	0.047	7	2	1	329
PL.62137	PL.62139	ABC	#1/0 ACSR	7.45Y	124.2	0.09	0.85	68.31	30	1474	402	96	0.94	0.1	5.116	0.076	0	0	0	328
PL.53414	PL.62137	ABC	#1/0 ACSR	7.44Y	124.1	0.09	0.93	68.31	30	1473	401	96	0.88	0.1	5.187	0.071	0	0	0	328
PL.53415	PL.53414	A	6 A (CWC)	7.44Y	124.1	0.00	0.93	2.50	2	18	4	98	0.00	0.0	5.188	0.002	0	0	0	5
PD.7914	PL.53415	A	20QA	7.44Y	124.1	0.00	0.93	2.50	13	18	4	98	0.00	0.0	5.188	0.002	0	0	0	5
PL.53416	PD.7914	A	6 A (CWC)	7.44Y	124.1	0.02	0.95	2.50	2	18	4	98	0.00	0.0	5.333	0.145	2	1	1	5
PL.53604	PL.53416	A	6 A (CWC)	7.44Y	124.0	0.02	0.97	2.17	2	16	4	97	0.00	0.0	5.505	0.172	0	0	0	4
PL.37619	PL.53604	A	6 A (CWC)	7.44Y	124.0	0.00	0.97	1.20	1	9	2	98	0.00	0.0	5.556	0.051	0	0	0	3
PL.38251	PL.37619	A	6 A (CWC)	7.44Y	124.0	0.00	0.97	0.93	1	7	2	96	0.00	0.0	5.659	0.103	0	0	0	1
PL.37546	PL.38251	A	#2 ACSR	7.44Y	124.0	0.00	0.97	0.93	1	7	2	96	0.00	0.0	5.735	0.076	7	2	1	1
PL.38252	PL.38251	A	6 A (CWC)	7.44Y	124.0	0.00	0.97	0.00	0	0	0	100	0.00	0.0	5.811	0.152	0	0	0	0
PL.37022	PL.37619	A	6 A (CWC)	7.44Y	124.0	0.00	0.97	0.27	0	2	0	100	0.00	0.0	5.615	0.058	0	0	0	2
PL.37023	PL.37022	A	6 A (CWC)	7.44Y	124.0	0.00	0.97	0.14	0	1	0	100	0.00	0.0	5.761	0.146	1	0	1	1
PL.37215	PL.37022	A	6 A (CWC)	7.44Y	124.0	0.00	0.97	0.13	0	1	0	100	0.00	0.0	5.738	0.123	1	0	1	1
PL.55967	PL.53604	A	6 A (CWC)	7.44Y	124.0	0.00	0.97	0.97	1	7	2	96	0.00	0.0	5.538	0.033	7	2	1	1
PL.56773	PL.53414	ABC	#1/0 ACSR	7.44Y	124.0	0.06	1.00	67.47	29	1454	396	96	0.63	0.0	5.239	0.052	0	0	1	323
PL.56774	PL.56773	ABC	#1/0 ACSR	7.43Y	123.9	0.11	1.11	67.47	29	1453	395	96	1.11	0.1	5.330	0.092	2	1	1	322

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: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.53606	PL.56774	ABC	#1/0 ACSR	7.42Y	123.7	0.21	1.32	67.37	29	1450	393	97	2.08	0.1	5.502	0.172	0	0	1	321
PL.53608	PL.53606	ABC	#1/0 ACSR	7.41Y	123.5	0.15	1.47	67.22	29	1445	391	97	1.52	0.1	5.628	0.126	0	0	1	319
PL.53609	PL.53608	ABC	#1/0 ACSR	7.38Y	123.0	0.50	1.97	67.20	29	1443	389	97	4.98	0.3	6.042	0.414	1	0	1	318
PL.53610	PL.53609	ABC	#1/0 ACSR	7.38Y	123.0	0.07	2.04	67.14	29	1436	384	97	0.71	0.0	6.102	0.060	6	2	1	317
PL.53611	PL.53610	ABC	#1/0 ACSR	7.36Y	122.6	0.37	2.41	66.85	29	1430	382	97	3.65	0.3	6.409	0.307	0	0	0	316
PL.53613	PL.53611	ABC	#1/0 ACSR	7.35Y	122.5	0.12	2.53	66.85	29	1426	378	97	1.19	0.1	6.508	0.100	0	0	0	316
PL.53614	PL.53613	C	#4 ACSR	7.35Y	122.5	0.00	2.53	1.32	1	9	2	98	0.00	0.0	6.512	0.004	0	0	0	1
PD.7918	PL.53614	C	10QA	7.35Y	122.5	0.00	2.53	1.32	0	9	2	98	0.00	0.0	6.512	0.004	0	0	0	1
PL.53612	PD.7918	C	#4 ACSR	7.35Y	122.5	0.00	2.53	1.32	1	9	2	98	0.00	0.0	6.557	0.045	9	2	1	1
PL.53615	PL.53613	ABC	#1/0 ACSR	7.34Y	122.3	0.13	2.66	66.41	29	1415	375	97	1.30	0.1	6.620	0.111	7	2	2	315
PL.53618	PL.53615	ABC	#1/0 ACSR	7.33Y	122.2	0.14	2.80	65.54	28	1395	369	97	1.39	0.1	6.741	0.122	0	0	0	312
PL.57320	PL.53618	ABC	#1/0 ACSR	7.33Y	122.1	0.08	2.88	65.54	28	1394	368	97	0.80	0.1	6.812	0.070	10	2	1	312
PL.57321	PL.57320	ABC	#1/0 ACSR	7.31Y	121.9	0.22	3.11	65.07	28	1383	365	97	2.16	0.2	7.004	0.192	2	1	1	311
PL.57323	PL.57321	ABC	#1/0 ACSR	7.29Y	121.5	0.40	3.51	64.68	28	1373	360	97	3.87	0.3	7.351	0.347	0	0	0	309
PL.53621	PL.57323	ABC	#1/0 ACSR	7.28Y	121.4	0.12	3.63	64.68	28	1369	357	97	1.15	0.1	7.454	0.103	0	0	0	309
PL.53622	PL.53621	A	6 A (CWC)	7.28Y	121.4	0.00	3.63	0.49	0	3	1	95	0.00	0.0	7.457	0.003	0	0	0	1
PD.7921	PL.53622	A	10QA	7.28Y	121.4	0.00	3.63	0.49	0	3	1	95	0.00	0.0	7.457	0.003	0	0	0	1
PL.53623	PD.7921	A	6 A (CWC)	7.28Y	121.4	0.00	3.63	0.49	0	3	1	95	0.00	0.0	7.557	0.100	3	1	1	1
PL.53624	PL.53621	ABC	#1/0 ACSR	7.28Y	121.3	0.07	3.70	64.51	28	1364	355	97	0.70	0.1	7.517	0.063	4	1	1	308
PL.53625	PL.53624	ABC	#1/0 ACSR	7.27Y	121.2	0.09	3.79	64.30	28	1359	353	97	0.89	0.1	7.598	0.081	3	1	1	307
PL.53626	PL.53625	ABC	#1/0 ACSR	7.26Y	121.0	0.22	4.02	64.18	28	1355	352	97	2.11	0.2	7.790	0.192	0	0	0	306
PL.53628	PL.53626	ABC	#1/0 ACSR	7.23Y	120.4	0.54	4.55	64.18	28	1353	350	97	5.14	0.4	8.258	0.468	0	0	0	306
PL.57369	PL.53628	ABC	#1/0 ACSR	7.20Y	120.0	0.48	5.03	64.18	28	1348	345	97	4.56	0.3	8.674	0.416	0	0	0	306
PL.57371	PL.57369	ABC	#1/0 ACSR	7.19Y	119.8	0.21	5.24	63.95	28	1339	339	97	2.01	0.2	8.859	0.185	0	0	0	305
PL.61793	PL.57371	ABC	#1/0 ACSR	7.16Y	119.3	0.43	5.67	63.95	28	1337	337	97	4.11	0.3	9.236	0.378	0	0	0	305
PL.62111	PL.61793	ABC	#1/0 ACSR	7.15Y	119.2	0.14	5.80	63.95	28	1333	333	97	1.31	0.1	9.357	0.120	0	0	0	305
PL.62109	PL.62111	C	6 A (CWC)	7.15Y	119.2	0.00	5.80	0.00	0	0	0	100	0.00	0.0	9.436	0.080	0	0	0	0
PD.9259-A	PL.62109	C	Open	7.15Y	119.2	0.00	5.80	0.00	0	0	0	100	0.00	0.0	9.436	0.080	0	0	0	0
PL.61794	PL.62111	ABC	#1/0 ACSR	7.15Y	119.1	0.06	5.87	63.95	28	1331	332	97	0.58	0.0	9.410	0.053	0	0	0	305
PL.48958	PL.61794	C	6 A (CWC)	7.15Y	119.1	0.00	5.87	13.63	10	95	23	97	0.00	0.0	9.410	0.001	0	0	0	26
PL.47531	PL.48958	C	6 A (CWC)	7.15Y	119.1	0.00	5.87	0.00	0	0	0	100	0.00	0.0	9.494	0.083	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: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.48962	PL.48958	C	6 A (CWC)	7.14Y	119.0	0.13	6.00	13.63	10	95	23	97	0.09	0.1	9.643	0.233	16	4	5	26
PL.46430	PL.48962	C	6 A (CWC)	7.14Y	119.0	0.00	6.00	0.33	0	2	1	89	0.00	0.0	9.703	0.060	2	1	2	2
PL.47863	PL.48962	C	6 A (CWC)	7.14Y	118.9	0.06	6.06	11.01	8	76	19	97	0.03	0.0	9.770	0.127	8	2	1	19
PL.48187	PL.47863	C	6 A (CWC)	7.14Y	118.9	0.00	6.06	0.04	0	0	0	100	0.00	0.0	9.770	0.000	0	0	0	1
PL.48188	PL.48187	C	6 A (CWC)	7.14Y	118.9	0.00	6.06	0.04	0	0	0	100	0.00	0.0	9.805	0.035	0	0	1	1
PL.47864	PL.47863	C	6 A (CWC)	7.13Y	118.9	0.03	6.09	9.80	7	68	17	97	0.02	0.0	9.847	0.077	0	0	0	17
PL.47865	PL.47864	C	6 A (CWC)	7.13Y	118.9	0.02	6.11	8.55	6	59	14	97	0.01	0.0	9.907	0.060	15	4	3	16
PL.47866	PL.47865	C	6 A (CWC)	7.13Y	118.9	0.02	6.13	6.42	5	44	11	97	0.01	0.0	9.981	0.075	0	0	0	13
PL.47746	PL.47866	C	6 A (CWC)	7.13Y	118.9	0.00	6.13	0.27	0	2	0	100	0.00	0.0	10.089	0.108	2	0	1	1
PL.47867	PL.47866	C	6 A (CWC)	7.13Y	118.9	0.00	6.14	1.39	1	10	2	98	0.00	0.0	10.045	0.064	5	1	2	4
PL.47868	PL.47867	C	6 A (CWC)	7.13Y	118.9	0.00	6.14	0.64	0	4	1	97	0.00	0.0	10.084	0.039	4	1	2	2
PL.47869	PL.47866	C	6 A (CWC)	7.13Y	118.8	0.02	6.16	4.75	3	33	8	97	0.01	0.0	10.099	0.118	6	2	1	8
PL.47870	PL.47869	C	6 A (CWC)	7.13Y	118.8	0.02	6.18	3.86	3	27	7	97	0.00	0.0	10.227	0.128	0	0	0	7
PL.47812	PL.47870	C	6 A (CWC)	7.13Y	118.8	0.00	6.18	0.00	0	0	0	100	0.00	0.0	10.536	0.308	0	0	0	0
PL.47529	PL.47812	C	6 A (CWC)	7.13Y	118.8	0.00	6.18	0.00	0	0	0	100	0.00	0.0	10.576	0.040	0	0	0	0
PL.51927	PL.47812	C	6 A (CWC)	7.13Y	118.8	0.00	6.18	0.00	0	0	0	100	0.00	0.0	10.739	0.204	0	0	0	0
PL.51928	PL.51927	C	#2 ACSR	7.13Y	118.8	0.00	6.18	0.00	0	0	0	100	0.00	0.0	10.742	0.003	0	0	0	0
PD.7957-A	PL.51928	C	Open	7.13Y	118.8	0.00	6.18	0.00	0	0	0	100	0.00	0.0	10.742	0.003	0	0	0	0
PL.51926	PL.51927	C	6 A (CWC)	7.13Y	118.8	0.00	6.18	0.00	0	0	0	100	0.00	0.0	10.822	0.083	0	0	0	0
PL.47871	PL.47870	C	6 A (CWC)	7.13Y	118.8	0.01	6.19	3.86	3	27	7	97	0.00	0.0	10.279	0.052	0	0	0	7
PL.47873	PL.47871	C	6 A (CWC)	7.13Y	118.8	0.01	6.19	2.45	2	17	4	97	0.00	0.0	10.398	0.118	17	4	2	3
PL.47874	PL.47873	C	6 A (CWC)	7.13Y	118.8	0.00	6.19	0.00	0	0	0	100	0.00	0.0	10.417	0.019	0	0	1	1
PL.47872	PL.47871	C	6 A (CWC)	7.13Y	118.8	0.01	6.20	1.42	1	10	2	98	0.00	0.0	10.403	0.124	0	0	0	4
PL.61947	PL.47872	C	6 A (CWC)	7.13Y	118.8	0.01	6.20	1.42	1	10	2	98	0.00	0.0	10.506	0.103	0	0	0	4
PL.61949	PL.61947	C	6 A (CWC)	7.13Y	118.8	0.00	6.20	0.16	0	1	0	100	0.00	0.0	10.641	0.135	1	0	1	1
PL.61948	PL.61947	C	6 A (CWC)	7.13Y	118.8	0.01	6.21	1.26	1	9	2	98	0.00	0.0	10.719	0.213	0	0	0	3
PL.47875	PL.61948	C	6 A (CWC)	7.13Y	118.8	0.00	6.21	0.00	0	0	0	100	0.00	0.0	11.399	0.680	0	0	0	0
PL.47810	PL.61948	C	#4 ACSR	7.13Y	118.8	0.01	6.23	1.26	1	9	2	98	0.00	0.0	11.039	0.320	3	1	1	3
PL.47811	PL.47810	C	#4 ACSR	7.13Y	118.8	0.00	6.23	0.78	1	5	1	98	0.00	0.0	11.061	0.021	5	1	2	2
PL.47912	PL.47865	C	6 A (CWC)	7.13Y	118.9	0.00	6.11	0.00	0	0	0	100	0.00	0.0	9.939	0.033	0	0	0	0
PL.47454	PL.47864	C	#1/0 ACSR	7.13Y	118.9	0.00	6.09	1.25	1	9	2	98	0.00	0.0	9.909	0.062	9	2	1	1

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

Balanced Voltage Drop Report
Source: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.66242	PL.61794	C	6 A (CWC)	7.15Y	119.1	0.00	5.87	1.43	1	10	2	98	0.00	0.0	9.413	0.004	0	0	0	2
PD.10004	PL.66242	C	20T	7.15Y	119.1	0.00	5.87	1.43	0	10	2	98	0.00	0.0	9.413	0.004	0	0	0	2
PL.66243	PD.10004	C	6 A (CWC)	7.15Y	119.1	0.00	5.87	1.43	1	10	2	98	0.00	0.0	9.466	0.053	10	2	2	2
PL.62112	PL.61794	ABC	#1/0 ACSR	7.14Y	119.0	0.11	5.97	58.93	26	1226	306	97	0.93	0.1	9.512	0.102	16	4	2	277
PL.62113	PL.62112	C	6 A (CWC)	7.14Y	119.0	0.00	5.97	6.78	5	47	11	97	0.00	0.0	9.513	0.001	0	0	0	8
PD.7399	PL.62113	C	40QA	7.14Y	119.0	0.00	5.97	6.78	17	47	11	97	0.00	0.0	9.513	0.001	0	0	0	8
PL.48959	PD.7399	C	6 A (CWC)	7.14Y	119.0	0.01	5.98	6.78	5	47	11	97	0.00	0.0	9.550	0.037	30	7	4	8
PL.48960	PL.48959	C	6 A (CWC)	7.14Y	119.0	0.00	5.98	2.43	2	17	4	97	0.00	0.0	9.600	0.050	11	3	2	4
PL.48961	PL.48960	C	6 A (CWC)	7.14Y	119.0	0.00	5.98	0.79	1	5	1	98	0.00	0.0	9.621	0.022	5	1	2	2
PL.62114	PL.62112	ABC	#1/0 ACSR	7.13Y	118.9	0.14	6.11	55.88	24	1162	290	97	1.13	0.1	9.648	0.136	0	0	0	267
PL.62115	PL.62114	C	#4 ACSR	7.13Y	118.9	0.00	6.11	0.72	1	5	1	98	0.00	0.0	9.693	0.045	5	1	2	2
PL.62118	PL.62114	ABC	#1/0 ACSR	7.11Y	118.6	0.33	6.43	55.06	24	1144	284	97	2.71	0.2	9.983	0.335	0	0	0	263
PL.62119	PL.62118	C	#4 ACSR	7.11Y	118.6	0.00	6.43	2.11	2	15	4	97	0.00	0.0	9.984	0.001	0	0	0	3
PD.7397	PL.62119	C	15T	7.11Y	118.6	0.00	6.43	2.11	0	15	4	97	0.00	0.0	9.984	0.001	0	0	0	3
PL.48965	PD.7397	C	#4 ACSR	7.11Y	118.6	0.00	6.44	2.11	2	15	4	97	0.00	0.0	10.067	0.083	15	4	3	3
PL.62117	PL.62118	ABC	#1/0 ACSR	7.10Y	118.3	0.23	6.66	54.36	24	1126	278	97	1.85	0.2	10.218	0.235	0	0	0	260
REG87	PL.62117	ABC	114.3 KVA	7.52Y	125.4	-7.05	-0.39	54.36	36	1124	276	97	percent Boost= 5.62 Tap= 9.0							260
PL.48967	REG87	ABC	#2 ACSR	7.52Y	125.3	0.14	-0.26	51.30	29	1124	276	97	1.14	0.1	10.323	0.105	0	0	0	260
PL.48966	PL.48967	ABC	#2 ACSR	7.50Y	124.9	0.34	0.08	51.20	29	1121	275	97	2.81	0.3	10.585	0.262	0	0	0	258
PL.46961	PL.48966	ABC	#2 ACSR	7.49Y	124.8	0.09	0.17	34.94	20	763	187	97	0.52	0.1	10.690	0.105	14	3	2	181
PL.47937	PL.46961	A	#2 ACSR	7.49Y	124.8	0.00	0.17	0.00	0	0	0	100	0.00	0.0	10.692	0.002	0	0	0	0
PD.7582	PL.47937	A	40QA	7.49Y	124.8	0.00	0.17	0.00	0	0	0	100	0.00	0.0	10.692	0.002	0	0	0	0
PL.47938	PD.7582	A	#2 ACSR	7.49Y	124.8	0.00	0.17	0.00	0	0	0	100	0.00	0.0	10.721	0.029	0	0	0	0
PL.47939	PL.47938	A	#2 ACSR	7.49Y	124.8	0.00	0.17	0.00	0	0	0	100	0.00	0.0	10.833	0.112	0	0	0	0
PL.46960	PL.46961	ABC	#2 ACSR	7.49Y	124.8	0.07	0.24	34.30	20	749	183	97	0.36	0.0	10.766	0.076	7	2	1	179
PL.46959	PL.46960	ABC	#2 ACSR	7.48Y	124.7	0.04	0.27	33.99	19	742	181	97	0.20	0.0	10.810	0.044	12	3	2	178
PL.48101	PL.46959	C	#2 ACSR	7.48Y	124.7	0.00	0.27	0.00	0	0	0	100	0.00	0.0	10.812	0.002	0	0	0	0
PD.7387	PL.48101	C	30QA	7.48Y	124.7	0.00	0.27	0.00	0	0	0	100	0.00	0.0	10.812	0.002	0	0	0	0
PL.48102	PD.7387	C	#2 ACSR	7.48Y	124.7	0.00	0.27	0.00	0	0	0	100	0.00	0.0	10.839	0.027	0	0	0	0
PL.48100	PL.46959	ABC	#2 ACSR	7.48Y	124.7	0.04	0.31	33.43	19	729	178	97	0.22	0.0	10.858	0.047	0	0	0	176
PL.48098	PL.48100	C	#4 ACSR	7.48Y	124.7	0.00	0.32	1.96	2	14	3	98	0.00	0.0	10.886	0.029	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: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.48099	PL.48098	C	#4 ACSR	7.48Y	124.7	0.00	0.32	1.96	2	14	3	98	0.00	0.0	10.907	0.021	14	3	3	3
PL.65277	PL.48100	ABC	#2 ACSR	7.48Y	124.7	0.00	0.31	32.78	19	715	175	97	0.00	0.0	10.858	0.000	0	0	0	173
PL.65276	PL.65277	ABC	#2 ACSR	7.48Y	124.6	0.04	0.35	32.78	19	715	175	97	0.21	0.0	10.905	0.047	8	2	1	173
PL.63707	PL.65276	ABC	#2 ACSR	7.48Y	124.6	0.00	0.35	32.06	18	699	171	97	0.00	0.0	10.905	0.000	0	0	0	171
PL.63706	PL.63707	ABC	#2 ACSR	7.48Y	124.6	0.02	0.37	32.06	18	699	171	97	0.10	0.0	10.928	0.023	5	1	1	171
PL.63459	PL.63706	ABC	#2 ACSR	7.48Y	124.6	0.04	0.41	30.93	18	674	165	97	0.20	0.0	10.979	0.051	11	3	3	166
PL.63457	PL.63459	ABC	#2 ACSR	7.47Y	124.6	0.02	0.43	29.13	17	635	155	97	0.09	0.0	11.005	0.025	0	0	0	158
PL.48282	PL.63457	A	6 A (CWC)	7.47Y	124.6	0.00	0.43	4.10	3	30	7	97	0.00	0.0	11.005	0.001	0	0	0	5
PD.7596	PL.48282	A	40QA	7.47Y	124.6	0.00	0.43	4.10	10	30	7	97	0.00	0.0	11.005	0.001	0	0	0	5
PL.48283	PD.7596	A	6 A (CWC)	7.47Y	124.6	0.01	0.44	4.10	3	30	7	97	0.00	0.0	11.077	0.072	3	1	1	5
PL.48284	PL.48283	A	6 A (CWC)	7.47Y	124.6	0.00	0.44	3.68	3	27	7	97	0.00	0.0	11.106	0.029	8	2	1	4
PL.48285	PL.48284	A	6 A (CWC)	7.47Y	124.6	0.01	0.45	2.55	2	19	5	97	0.00	0.0	11.152	0.046	2	0	1	3
PL.48286	PL.48285	A	6 A (CWC)	7.47Y	124.5	0.00	0.45	0.62	0	4	1	97	0.00	0.0	11.192	0.040	4	1	1	1
PL.47948	PL.48285	A	#2 ACSR	7.47Y	124.5	0.00	0.45	1.65	1	12	3	97	0.00	0.0	11.179	0.026	12	3	1	1
PL.47949	PL.47948	A	#2 ACSR	7.47Y	124.5	0.00	0.45	0.00	0	0	0	100	0.00	0.0	11.211	0.032	0	0	0	0
PL.47770	PL.63457	ABC	#2 ACSR	7.47Y	124.5	0.05	0.48	27.77	16	605	148	97	0.23	0.0	11.080	0.076	22	5	4	153
PL.47580	PL.47770	B	6 A (CWC)	7.47Y	124.5	0.00	0.48	18.94	14	137	34	97	0.00	0.0	11.081	0.001	0	0	0	35
PD.7385	PL.47580	B	30T	7.47Y	124.5	0.00	0.48	18.94	0	137	34	97	0.00	0.0	11.081	0.001	0	0	0	35
PL.47581	PD.7385	B	6 A (CWC)	7.47Y	124.5	0.04	0.52	18.94	14	137	34	97	0.04	0.0	11.125	0.044	7	2	2	35
PL.58971	PL.47581	B	6 A (CWC)	7.47Y	124.4	0.04	0.55	18.03	13	131	32	97	0.03	0.0	11.171	0.046	7	2	2	33
PL.58972	PL.58971	B	6 A (CWC)	7.46Y	124.4	0.03	0.58	17.07	12	124	30	97	0.03	0.0	11.209	0.039	0	0	0	31
PL.47279	PL.58972	B	6 A (CWC)	7.46Y	124.4	0.00	0.58	1.79	1	13	3	97	0.00	0.0	11.226	0.017	13	3	2	2
PL.47582	PL.58972	B	6 A (CWC)	7.46Y	124.4	0.03	0.62	15.28	11	111	27	97	0.03	0.0	11.258	0.049	10	2	2	29
PL.58975	PL.47582	B	6 A (CWC)	7.46Y	124.4	0.02	0.64	7.00	5	51	12	97	0.01	0.0	11.335	0.077	6	2	1	14
PL.58973	PL.58975	B	6 A (CWC)	7.46Y	124.3	0.01	0.65	4.73	3	34	8	97	0.00	0.0	11.407	0.072	6	1	1	12
PL.47292	PL.58973	B	6 A (CWC)	7.46Y	124.3	0.02	0.67	3.93	3	28	7	97	0.00	0.0	11.515	0.107	0	0	0	11
PL.47293	PL.47292	B	6 A (CWC)	7.46Y	124.3	0.00	0.68	3.88	3	28	7	97	0.00	0.0	11.539	0.025	2	0	1	10
PL.48164	PL.47293	B	6 A (CWC)	7.46Y	124.3	0.03	0.71	3.66	3	27	6	98	0.01	0.0	11.720	0.181	0	0	0	9
PL.46950	PL.48164	B	6 A (CWC)	7.46Y	124.3	0.00	0.71	0.64	0	5	1	98	0.00	0.0	11.797	0.077	0	0	0	3
PL.47413	PL.46950	B	#4 ACSR	7.46Y	124.3	0.00	0.71	0.53	0	4	1	97	0.00	0.0	12.057	0.259	4	1	2	2
PL.46951	PL.46950	B	6 A (CWC)	7.46Y	124.3	0.00	0.71	0.11	0	1	0	100	0.00	0.0	11.899	0.102	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: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.48588	PL.46951	B	6 A (CWC)	7.46Y	124.3	0.00	0.71	0.11	0	1	0	100	0.00	0.0	11.986	0.087	0	0	0	1
PL.48589	PL.48588	B	6 A (CWC)	7.46Y	124.3	0.00	0.71	0.11	0	1	0	100	0.00	0.0	12.187	0.201	1	0	1	1
PL.48165	PL.48164	B	#2 ACSR	7.46Y	124.3	0.01	0.71	3.02	2	22	5	98	0.00	0.0	11.816	0.096	7	2	1	6
PL.47935	PL.48165	B	#2 ACSR	7.46Y	124.3	0.00	0.72	2.00	1	14	4	96	0.00	0.0	11.854	0.037	8	2	4	5
PL.47936	PL.47935	B	#2 ACSR	7.46Y	124.3	0.00	0.72	0.92	1	7	2	96	0.00	0.0	11.945	0.091	7	2	1	1
PL.47300	PL.47292	B	6 A (CWC)	7.46Y	124.3	0.00	0.67	0.05	0	0	0	100	0.00	0.0	11.547	0.033	0	0	1	1
PL.58974	PL.58975	B	#4 ACSR	7.46Y	124.4	0.00	0.64	1.40	1	10	2	98	0.00	0.0	11.390	0.055	10	2	1	1
PL.47583	PL.47582	B	#4 ACSR	7.46Y	124.4	0.01	0.63	6.88	5	50	12	97	0.00	0.0	11.297	0.038	7	2	1	13
PL.47584	PL.47583	B	#4 ACSR	7.46Y	124.4	0.01	0.64	5.87	5	43	10	97	0.00	0.0	11.353	0.056	0	0	2	12
PL.48108	PL.47584	B	#4 ACSR	7.46Y	124.4	0.01	0.65	4.27	3	31	8	97	0.00	0.0	11.407	0.054	17	4	2	7
PL.48109	PL.48108	B	#4 ACSR	7.46Y	124.3	0.00	0.65	1.90	1	14	3	98	0.00	0.0	11.460	0.053	1	0	1	5
PL.48110	PL.48109	B	#4 ACSR	7.46Y	124.3	0.00	0.66	1.76	1	13	3	97	0.00	0.0	11.492	0.032	0	0	0	4
PL.48111	PL.48110	B	#4 ACSR	7.46Y	124.3	0.00	0.66	1.76	1	13	3	97	0.00	0.0	11.493	0.001	0	0	0	4
PL.48114	PL.48111	B	#4 ACSR	7.46Y	124.3	0.00	0.66	1.76	1	13	3	97	0.00	0.0	11.543	0.050	1	0	1	4
PL.48115	PL.48114	B	#4 ACSR	7.46Y	124.3	0.00	0.66	1.56	1	11	3	96	0.00	0.0	11.556	0.013	0	0	0	3
PL.46954	PL.48115	B	#4 ACSR	7.46Y	124.3	0.01	0.67	1.56	1	11	3	96	0.00	0.0	11.652	0.096	2	0	1	3
PL.48281	PL.46954	B	#4 ACSR	7.46Y	124.3	0.00	0.67	1.31	1	10	2	98	0.00	0.0	11.692	0.040	10	2	2	2
PL.48106	PL.47584	B	#4 ACSR	7.46Y	124.4	0.00	0.64	1.55	1	11	3	96	0.00	0.0	11.365	0.012	4	1	1	3
PL.48107	PL.48106	B	#4 ACSR	7.46Y	124.4	0.00	0.64	0.95	1	7	2	96	0.00	0.0	11.432	0.067	7	2	2	2
PL.48112	PL.48107	B	#4 ACSR	7.46Y	124.4	0.00	0.64	0.00	0	0	0	100	0.00	0.0	11.486	0.054	0	0	0	0
PL.48113	PL.48112	B	#4 ACSR	7.46Y	124.4	0.00	0.64	0.00	0	0	0	100	0.00	0.0	11.535	0.049	0	0	0	0
PL.60031	PL.47770	ABC	#2 ACSR	7.47Y	124.5	0.03	0.50	20.42	12	445	109	97	0.08	0.0	11.131	0.051	35	8	5	114
PL.60030	PL.60031	ABC	#2 ACSR	7.47Y	124.5	0.00	0.51	17.93	10	390	95	97	0.00	0.0	11.132	0.001	0	0	0	104
PL.46958	PL.60030	ABC	#2 ACSR	7.47Y	124.5	0.04	0.54	17.93	10	390	95	97	0.11	0.0	11.218	0.086	20	5	2	104
PL.46956	PL.46958	B	#4 ACSR	7.47Y	124.5	0.00	0.54	2.52	2	18	4	98	0.00	0.0	11.220	0.002	0	0	0	8
PD.7367	PL.46956	B	40QA	7.47Y	124.5	0.00	0.54	2.52	6	18	4	98	0.00	0.0	11.220	0.002	0	0	0	8
PL.46957	PD.7367	B	#4 ACSR	7.47Y	124.5	0.01	0.55	2.52	2	18	4	98	0.00	0.0	11.283	0.063	2	0	1	8
PL.47217	PL.46957	B	#4 ACSR	7.47Y	124.4	0.01	0.56	2.31	2	17	4	97	0.00	0.0	11.341	0.058	3	1	2	7
PL.47719	PL.47217	B	#4 ACSR	7.47Y	124.4	0.00	0.56	0.26	0	2	0	100	0.00	0.0	11.370	0.029	2	0	1	1
PL.46912	PL.47217	B	#4 ACSR	7.47Y	124.4	0.00	0.56	1.05	1	8	2	97	0.00	0.0	11.412	0.071	8	2	3	3
PL.47908	PL.47217	B	#4 ACSR	7.47Y	124.4	0.00	0.56	0.60	0	4	1	97	0.00	0.0	11.405	0.064	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: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.61694	PL.47908	B	#1/0 ACSR	7.47Y	124.4	0.00	0.56	0.60	0	4	1	97	0.00	0.0	11.408	0.003	0	0	0	1
PD.9152	PL.61694	B	15T	7.47Y	124.4	0.00	0.56	0.60	0	4	1	97	0.00	0.0	11.408	0.003	0	0	0	1
PL.61695	PD.9152	B	#1/0 ACSR	7.47Y	124.4	0.00	0.56	0.60	0	4	1	97	0.00	0.0	11.443	0.035	4	1	1	1
PL.47216	PL.46958	ABC	#2 ACSR	7.47Y	124.4	0.03	0.57	16.15	9	351	86	97	0.07	0.0	11.287	0.069	3	1	2	94
PL.62166	PL.47216	ABC	#2 ACSR	7.46Y	124.4	0.02	0.59	16.00	9	348	85	97	0.06	0.0	11.345	0.057	0	0	0	92
PL.62167	PL.62166	C	#2 ACSR	7.46Y	124.4	0.00	0.59	0.80	0	6	1	99	0.00	0.0	11.345	0.001	0	0	0	1
PD.7598	PL.62167	C	40QA	7.46Y	124.4	0.00	0.59	0.80	2	6	1	99	0.00	0.0	11.345	0.001	0	0	0	1
PL.46955	PD.7598	C	#2 ACSR	7.46Y	124.4	0.00	0.59	0.80	0	6	1	99	0.00	0.0	11.390	0.045	6	1	1	1
PL.62120	PL.62166	ABC	#2 ACSR	7.46Y	124.4	0.01	0.60	15.73	9	342	84	97	0.02	0.0	11.363	0.018	0	0	0	91
PL.47311	PL.62120	ABC	#2 ACSR	7.46Y	124.4	0.02	0.62	15.73	9	342	84	97	0.05	0.0	11.410	0.047	6	2	2	91
PL.48898	PL.47311	ABC	#2 ACSR	7.46Y	124.4	0.00	0.62	15.43	9	336	82	97	0.01	0.0	11.418	0.008	0	0	0	89
PD.7599-A	PL.48898	ABC	Closed	7.46Y	124.4	0.00	0.62	15.43	0	336	82	97	0.00	0.0	11.418	0.008	0	0	0	89
PD.7599-B	PD.7599-A	ABC	Closed	7.46Y	124.4	0.00	0.62	15.43	0	336	82	97	0.00	0.0	11.418	0.008	0	0	0	89
PL.48897	PD.7599-B	ABC	#2 ACSR	7.46Y	124.4	0.00	0.62	15.43	9	336	82	97	0.00	0.0	11.419	0.001	0	0	0	89
PL.47310	PL.48897	ABC	#2 ACSR	7.46Y	124.4	0.00	0.63	15.43	9	336	82	97	0.01	0.0	11.429	0.010	10	2	2	89
PL.47309	PL.47310	ABC	#2 ACSR	7.46Y	124.3	0.03	0.66	14.97	9	326	79	97	0.07	0.0	11.507	0.078	0	0	0	87
PL.47481	PL.47309	ABC	#2 ACSR	7.46Y	124.3	0.01	0.67	10.63	6	231	56	97	0.02	0.0	11.545	0.038	0	0	1	67
PL.47480	PL.47481	ABC	#2 ACSR	7.46Y	124.3	0.01	0.67	10.62	6	231	56	97	0.01	0.0	11.576	0.031	0	0	0	66
PL.47479	PL.47480	ABC	#2 ACSR	7.46Y	124.3	0.00	0.68	10.57	6	230	56	97	0.01	0.0	11.595	0.019	0	0	0	65
PL.47482	PL.47479	C	6 A (CWC)	7.46Y	124.3	0.00	0.68	0.00	0	0	0	100	0.00	0.0	11.596	0.001	0	0	0	0
PD.7366	PL.47482	C	60QA	7.46Y	124.3	0.00	0.68	0.00	0	0	0	100	0.00	0.0	11.596	0.001	0	0	0	0
PL.47483	PD.7366	C	6 A (CWC)	7.46Y	124.3	0.00	0.68	0.00	0	0	0	100	0.00	0.0	11.683	0.087	0	0	0	0
PL.47478	PL.47479	ABC	#2 ACSR	7.46Y	124.3	0.06	0.74	10.57	6	230	56	97	0.10	0.0	11.816	0.221	0	0	0	65
PL.48893	PL.47478	B	6 A (CWC)	7.46Y	124.3	0.00	0.74	2.43	2	18	4	98	0.00	0.0	11.817	0.001	0	0	0	3
PD.7497	PL.48893	B	60QA	7.46Y	124.3	0.00	0.74	2.43	4	18	4	98	0.00	0.0	11.817	0.001	0	0	0	3
PL.48894	PD.7497	B	6 A (CWC)	7.46Y	124.3	0.00	0.74	2.43	2	18	4	98	0.00	0.0	11.866	0.050	9	2	1	3
PL.48895	PL.48894	B	6 A (CWC)	7.46Y	124.3	0.00	0.74	1.15	1	8	2	97	0.00	0.0	11.916	0.050	8	2	2	2
PL.48896	PL.48895	B	6 A (CWC)	7.46Y	124.3	0.00	0.74	0.00	0	0	0	100	0.00	0.0	11.937	0.021	0	0	0	0
PL.48892	PL.47478	ABC	#2 ACSR	7.45Y	124.2	0.07	0.81	4.58	3	99	24	97	0.05	0.1	12.421	0.605	0	0	0	35
PL.48891	PL.48892	ABC	#2 ACSR	7.45Y	124.2	0.00	0.81	4.58	3	99	24	97	0.00	0.0	12.422	0.001	0	0	0	35
PL.48877	PL.48891	ABC	#2 ACSR	7.45Y	124.2	0.01	0.82	4.58	3	99	24	97	0.01	0.0	12.522	0.100	0	0	0	35

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: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.48881	PL.48877	ABC	#2 ACSR	7.45Y	124.2	0.00	0.82	4.58	3	99	24	97	0.00	0.0	12.522	0.001	0	0	1	35
PL.48882	PL.48881	C	#2 ACSR	7.45Y	124.2	0.00	0.82	0.36	0	3	1	95	0.00	0.0	12.523	0.001	0	0	0	1
PD.7472	PL.48882	C	30QA	7.45Y	124.2	0.00	0.82	0.36	1	3	1	95	0.00	0.0	12.523	0.001	0	0	0	1
PL.48883	PD.7472	C	#2 ACSR	7.45Y	124.2	0.00	0.82	0.36	0	3	1	95	0.00	0.0	12.568	0.044	3	1	1	1
PL.48884	PL.48881	A	#4 ACSR	7.45Y	124.2	0.00	0.82	2.83	2	20	5	97	0.00	0.0	12.523	0.001	0	0	0	6
PD.7574	PL.48884	A	60QA	7.45Y	124.2	0.00	0.82	2.83	5	20	5	97	0.00	0.0	12.523	0.001	0	0	0	6
PL.48885	PD.7574	A	#4 ACSR	7.45Y	124.2	0.01	0.83	2.83	2	20	5	97	0.00	0.0	12.645	0.122	12	3	2	6
PL.48886	PL.48885	A	#4 ACSR	7.45Y	124.2	0.00	0.83	1.15	1	8	2	97	0.00	0.0	12.697	0.052	3	1	2	4
PL.48889	PL.48886	A	#4 ACSR	7.45Y	124.2	0.00	0.83	0.76	1	5	1	98	0.00	0.0	12.778	0.081	0	0	0	2
PL.48890	PL.48889	A	#4 ACSR	7.45Y	124.2	0.00	0.83	0.76	1	5	1	98	0.00	0.0	12.779	0.001	0	0	0	2
PL.48887	PL.48890	A	#4 ACSR	7.45Y	124.2	0.00	0.84	0.76	1	5	1	98	0.00	0.0	12.825	0.046	2	1	1	2
PL.48888	PL.48887	A	#4 ACSR	7.45Y	124.2	0.00	0.84	0.42	0	3	1	95	0.00	0.0	12.920	0.095	3	1	1	1
PL.48880	PL.48881	ABC	#2 ACSR	7.45Y	124.2	0.01	0.83	3.51	2	76	19	97	0.01	0.0	12.627	0.105	3	1	1	27
PL.48876	PL.48880	ABC	#2 ACSR	7.45Y	124.2	0.00	0.83	3.37	2	73	18	97	0.00	0.0	12.655	0.028	0	0	0	26
PL.48875	PL.48876	ABC	#2 ACSR	7.45Y	124.2	0.00	0.83	3.37	2	73	18	97	0.00	0.0	12.683	0.028	0	0	1	26
PL.48874	PL.48875	ABC	#2 ACSR	7.45Y	124.2	0.00	0.83	3.26	2	71	17	97	0.00	0.0	12.710	0.027	3	1	1	24
PL.48873	PL.48874	ABC	#2 ACSR	7.45Y	124.2	0.00	0.84	3.13	2	68	17	97	0.00	0.0	12.760	0.050	0	0	0	23
PL.48870	PL.48873	A	#4 ACSR	7.45Y	124.2	0.00	0.84	2.46	2	18	4	98	0.00	0.0	12.761	0.001	0	0	0	3
PD.7549	PL.48870	A	60QA	7.45Y	124.2	0.00	0.84	2.46	4	18	4	98	0.00	0.0	12.761	0.001	0	0	0	3
PL.48871	PD.7549	A	#4 ACSR	7.45Y	124.2	0.00	0.84	2.46	2	18	4	98	0.00	0.0	12.782	0.020	0	0	0	3
PL.48872	PL.48871	A	#4 ACSR	7.45Y	124.2	0.00	0.84	2.46	2	18	4	98	0.00	0.0	12.848	0.066	18	4	3	3
PL.48869	PL.48873	ABC	#2 ACSR	7.45Y	124.2	0.01	0.85	2.30	1	50	12	97	0.00	0.0	12.871	0.111	0	0	0	20
PL.48866	PL.48869	ABC	#2 ACSR	7.45Y	124.2	0.00	0.85	2.30	1	50	12	97	0.00	0.0	12.872	0.001	0	0	0	20
PL.48867	PL.48866	C	#4 ACSR	7.45Y	124.2	0.00	0.85	0.94	1	7	2	96	0.00	0.0	12.873	0.001	0	0	0	1
PD.7471	PL.48867	C	60QA	7.45Y	124.2	0.00	0.85	0.94	2	7	2	96	0.00	0.0	12.873	0.001	0	0	0	1
PL.48868	PD.7471	C	#4 ACSR	7.45Y	124.2	0.00	0.85	0.94	1	7	2	96	0.00	0.0	12.952	0.079	7	2	1	1
PL.48865	PL.48866	ABC	#2 ACSR	7.45Y	124.2	0.00	0.85	1.99	1	43	11	97	0.00	0.0	12.927	0.055	0	0	0	19
PL.48863	PL.48865	A	#4 ACSR	7.45Y	124.2	0.00	0.85	0.00	0	0	0	100	0.00	0.0	12.928	0.002	0	0	0	1
PD.7371	PL.48863	A	60QA	7.45Y	124.2	0.00	0.85	0.00	0	0	0	100	0.00	0.0	12.928	0.002	0	0	0	1
PL.48864	PD.7371	A	#4 ACSR	7.45Y	124.2	0.00	0.85	0.00	0	0	0	100	0.00	0.0	12.971	0.043	0	0	1	1
PL.48861	PL.48865	ABC	#2 ACSR	7.45Y	124.1	0.01	0.85	1.99	1	43	11	97	0.00	0.0	13.036	0.109	0	0	0	18

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

Balanced Voltage Drop Report
Source: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.48852	PL.48861	ABC	#2 ACSR	7.45Y	124.1	0.00	0.85	0.00	0	0	0	100	0.00	0.0	13.104	0.069	0	0	1	1
PL.62169	PL.48852	ABC	#2 ACSR	7.45Y	124.1	0.00	0.85	0.00	0	0	0	100	0.00	0.0	13.216	0.112	0	0	0	0
PD.9279-B	PL.62169	ABC	Open	7.45Y	124.1	0.00	0.85	0.00	0	0	0	100	0.00	0.0	13.216	0.112	0	0	0	0
PL.47760	PL.48861	C	6 A (CWC)	7.45Y	124.1	0.02	0.88	4.86	3	35	9	97	0.01	0.0	13.148	0.112	0	0	0	15
PL.48862	PL.47760	C	6 A (CWC)	7.45Y	124.1	0.00	0.88	4.86	3	35	9	97	0.00	0.0	13.149	0.001	0	0	0	15
PD.7564	PL.48862	C	50L	7.45Y	124.1	0.00	0.88	4.86	10	35	9	97	0.00	0.0	13.149	0.001	0	0	0	15
PL.56317	PD.7564	C	6 A (CWC)	7.45Y	124.1	0.01	0.89	4.86	3	35	9	97	0.00	0.0	13.213	0.064	0	0	1	15
PL.56316	PL.56317	C	6 A (CWC)	7.45Y	124.1	0.01	0.91	4.83	3	35	9	97	0.00	0.0	13.277	0.064	3	1	1	14
PL.48859	PL.56316	C	#4 ACSR	7.45Y	124.1	0.00	0.91	0.26	0	2	0	100	0.00	0.0	13.298	0.021	0	0	0	1
PL.48860	PL.48859	C	#4 ACSR	7.45Y	124.1	0.00	0.91	0.26	0	2	0	100	0.00	0.0	13.367	0.068	2	0	1	1
PL.64659	PL.48859	C	#2 ACSR	7.45Y	124.1	0.00	0.91	0.00	0	0	0	100	0.00	0.0	13.334	0.036	0	0	0	0
PL.64660	PL.64659	C	#2 ACSR	7.45Y	124.1	0.00	0.91	0.00	0	0	0	100	0.00	0.0	13.346	0.012	0	0	0	0
PL.47548	PL.56316	C	6 A (CWC)	7.44Y	124.0	0.05	0.95	4.22	3	31	7	98	0.01	0.0	13.520	0.243	0	0	0	12
PL.48941	PL.47548	C	6 A (CWC)	7.44Y	124.0	0.00	0.95	0.79	1	6	1	99	0.00	0.0	13.573	0.052	0	0	1	2
PL.47515	PL.48941	C	6 A (CWC)	7.44Y	124.0	0.00	0.96	0.79	1	6	1	99	0.00	0.0	13.631	0.058	6	1	1	1
PL.59561	PL.47548	C	6 A (CWC)	7.44Y	124.0	0.01	0.96	1.67	1	12	3	97	0.00	0.0	13.591	0.070	0	0	0	3
PL.59562	PL.59561	C	6 A (CWC)	7.44Y	124.0	0.00	0.96	1.67	1	12	3	97	0.00	0.0	13.599	0.009	0	0	0	3
PL.48942	PL.59562	C	6 A (CWC)	7.44Y	124.0	0.01	0.97	1.67	1	12	3	97	0.00	0.0	13.741	0.142	3	1	1	3
PL.48943	PL.48942	C	6 A (CWC)	7.44Y	124.0	0.01	0.97	1.27	1	9	2	98	0.00	0.0	13.853	0.112	0	0	0	2
PL.48945	PL.48943	C	#4 ACSR	7.44Y	124.0	0.00	0.98	1.07	1	8	2	97	0.00	0.0	13.902	0.049	0	0	0	1
PL.48946	PL.48945	C	#4 ACSR	7.44Y	124.0	0.00	0.98	1.07	1	8	2	97	0.00	0.0	14.002	0.100	8	2	1	1
PL.48944	PL.48943	C	6 A (CWC)	7.44Y	124.0	0.00	0.97	0.20	0	1	0	100	0.00	0.0	13.934	0.081	1	0	1	1
PL.59565	PL.47548	C	6 A (CWC)	7.44Y	124.0	0.02	0.97	1.76	1	13	3	97	0.00	0.0	13.769	0.248	2	0	1	7
PL.59566	PL.59565	C	6 A (CWC)	7.44Y	124.0	0.00	0.98	1.50	1	11	3	96	0.00	0.0	13.841	0.072	0	0	0	6
PL.48947	PL.59566	C	6 A (CWC)	7.44Y	124.0	0.01	0.98	1.50	1	11	3	96	0.00	0.0	13.950	0.109	0	0	0	6
PL.47654	PL.48947	C	6 A (CWC)	7.44Y	124.0	0.00	0.98	0.00	0	0	0	100	0.00	0.0	14.003	0.053	0	0	0	0
PL.48948	PL.48947	C	6 A (CWC)	7.44Y	124.0	0.00	0.99	1.50	1	11	3	96	0.00	0.0	14.022	0.071	0	0	0	6
PL.48949	PL.48948	C	6 A (CWC)	7.44Y	124.0	0.01	0.99	1.50	1	11	3	96	0.00	0.0	14.117	0.096	0	0	0	6
PL.48950	PL.48949	C	6 A (CWC)	7.44Y	124.0	0.00	0.99	0.33	0	2	1	89	0.00	0.0	14.172	0.055	2	1	1	2
PL.48951	PL.48950	C	6 A (CWC)	7.44Y	124.0	0.00	0.99	0.00	0	0	0	100	0.00	0.0	14.218	0.046	0	0	1	1
PL.48952	PL.48949	C	6 A (CWC)	7.44Y	124.0	0.01	1.00	1.17	1	8	2	97	0.00	0.0	14.303	0.186	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: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.48953	PL.48952	C	6 A (CWC)	7.44Y	124.0	0.02	1.02	1.17	1	8	2	97	0.00	0.0	14.595	0.292	0	0	1	4
PL.48956	PL.48953	C	6 A (CWC)	7.44Y	124.0	0.01	1.03	1.04	1	8	2	97	0.00	0.0	15.082	0.487	7	2	1	2
PL.48957	PL.48956	C	6 A (CWC)	7.44Y	124.0	0.00	1.03	0.02	0	0	0	100	0.00	0.0	15.174	0.091	0	0	0	1
PL.48262	PL.48957	C	6 A (CWC)	7.44Y	124.0	0.00	1.03	0.02	0	0	0	100	0.00	0.0	15.229	0.055	0	0	1	1
PL.48954	PL.48953	C	6 A (CWC)	7.44Y	124.0	0.00	1.02	0.12	0	1	0	100	0.00	0.0	14.659	0.064	1	0	1	1
PL.48955	PL.48954	C	6 A (CWC)	7.44Y	124.0	0.00	1.02	0.00	0	0	0	100	0.00	0.0	14.679	0.020	0	0	0	0
PL.47160	PL.48953	C	6 A (CWC)	7.44Y	124.0	0.00	1.02	0.00	0	0	0	100	0.00	0.0	14.673	0.077	0	0	0	0
PL.62110	PL.48953	C	6 A (CWC)	7.44Y	124.0	0.00	1.02	0.00	0	0	0	100	0.00	0.0	14.987	0.391	0	0	0	0
PD.9259-B	PL.62110	C	Open	7.44Y	124.0	0.00	1.02	0.00	0	0	0	100	0.00	0.0	14.987	0.391	0	0	0	0
PL.47319	PL.48952	C	6 A (CWC)	7.44Y	124.0	0.00	1.00	0.00	0	0	0	100	0.00	0.0	14.352	0.048	0	0	0	0
PL.48853	PL.48861	A	#2 ACSR	7.45Y	124.1	0.00	0.85	1.12	1	8	2	97	0.00	0.0	13.040	0.004	0	0	0	2
PD.7548	PL.48853	A	60QA	7.45Y	124.1	0.00	0.85	1.12	2	8	2	97	0.00	0.0	13.040	0.004	0	0	0	2
PL.48854	PD.7548	A	#2 ACSR	7.45Y	124.1	0.00	0.85	1.12	1	8	2	97	0.00	0.0	13.061	0.021	0	0	0	2
PL.48855	PL.48854	A	#2 ACSR	7.45Y	124.1	0.00	0.86	1.12	1	8	2	97	0.00	0.0	13.210	0.149	6	2	1	2
PL.48857	PL.48855	A	#2 ACSR	7.45Y	124.1	0.00	0.86	0.22	0	2	0	100	0.00	0.0	13.262	0.052	0	0	0	1
PL.48858	PL.48857	A	#2 ACSR	7.45Y	124.1	0.00	0.86	0.22	0	2	0	100	0.00	0.0	13.295	0.032	2	0	1	1
PL.48856	PL.48858	A	#2 ACSR	7.45Y	124.1	0.00	0.86	0.00	0	0	0	100	0.00	0.0	13.367	0.072	0	0	0	0
PL.48878	PL.48875	A	#4 ACSR	7.45Y	124.2	0.00	0.83	0.31	0	2	1	89	0.00	0.0	12.685	0.001	0	0	0	1
PD.7591	PL.48878	A	60QA	7.45Y	124.2	0.00	0.83	0.31	1	2	1	89	0.00	0.0	12.685	0.001	0	0	0	1
PL.48879	PD.7591	A	#4 ACSR	7.45Y	124.2	0.00	0.83	0.31	0	2	1	89	0.00	0.0	12.736	0.052	2	1	1	1
CP.67	PL.48892	ABC	Cap (300)	7.45Y	124.2	0.00	0.81	0.00	0	0	0	100	0.00	0.0	12.421	0.052	0	0	0	0
PL.47178	PL.47478	B	6 A (CWC)	7.45Y	124.2	0.06	0.80	15.55	11	113	27	97	0.05	0.0	11.909	0.093	10	3	2	27
PL.47661	PL.47178	B	#1/0 ACSR	7.45Y	124.2	0.00	0.80	0.00	0	0	0	100	0.00	0.0	11.964	0.055	0	0	1	1
PL.47452	PL.47178	B	#4 ACSR	7.45Y	124.2	0.00	0.80	1.10	1	8	2	97	0.00	0.0	11.949	0.041	8	2	2	2
PL.47879	PL.47178	B	6 A (CWC)	7.45Y	124.2	0.00	0.80	13.00	9	94	23	97	0.00	0.0	11.910	0.001	0	0	0	22
PD.7565	PL.47879	B	35L	7.45Y	124.2	0.00	0.80	13.00	37	94	23	97	0.00	0.0	11.910	0.001	0	0	0	22
PL.47880	PD.7565	B	6 A (CWC)	7.45Y	124.2	0.03	0.83	13.00	9	94	23	97	0.02	0.0	11.954	0.044	1	0	1	22
PL.47881	PL.47880	B	6 A (CWC)	7.45Y	124.1	0.03	0.86	12.80	9	93	23	97	0.02	0.0	12.017	0.062	20	5	3	21
PL.47882	PL.47881	B	6 A (CWC)	7.45Y	124.1	0.04	0.90	10.03	7	73	18	97	0.02	0.0	12.111	0.094	15	4	2	18
PL.47883	PL.47882	B	6 A (CWC)	7.45Y	124.1	0.01	0.91	5.95	4	43	10	97	0.00	0.0	12.150	0.039	0	0	0	14
PL.47884	PL.47883	B	6 A (CWC)	7.45Y	124.1	0.01	0.92	5.95	4	43	10	97	0.00	0.0	12.177	0.027	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: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.47459	PL.47884	B	6 A (CWC)	7.45Y	124.1	0.00	0.92	0.53	0	4	1	97	0.00	0.0	12.250	0.074	4	1	2	2
PL.47885	PL.47884	B	6 A (CWC)	7.44Y	124.1	0.02	0.93	5.42	4	39	10	97	0.00	0.0	12.248	0.071	3	1	1	12
PL.47886	PL.47885	B	6 A (CWC)	7.44Y	124.1	0.02	0.95	5.07	4	37	9	97	0.00	0.0	12.314	0.067	0	0	0	11
PL.47909	PL.47886	B	6 A (CWC)	7.44Y	124.1	0.00	0.95	0.68	0	5	1	98	0.00	0.0	12.369	0.055	5	1	2	2
PL.47887	PL.47886	B	6 A (CWC)	7.44Y	124.0	0.00	0.95	4.39	3	32	8	97	0.00	0.0	12.343	0.028	10	3	1	9
PL.47888	PL.47887	B	6 A (CWC)	7.44Y	124.0	0.01	0.96	2.94	2	21	5	97	0.00	0.0	12.410	0.067	2	0	1	8
PL.47889	PL.47888	B	6 A (CWC)	7.44Y	124.0	0.00	0.96	2.73	2	20	5	97	0.00	0.0	12.424	0.015	6	1	1	7
PL.59563	PL.47889	B	6 A (CWC)	7.44Y	124.0	0.00	0.97	1.68	1	12	3	97	0.00	0.0	12.483	0.058	8	2	2	5
PL.59564	PL.59563	B	6 A (CWC)	7.44Y	124.0	0.00	0.97	0.61	0	4	1	97	0.00	0.0	12.615	0.133	4	1	1	3
PL.47890	PL.59564	B	6 A (CWC)	7.44Y	124.0	0.00	0.97	0.01	0	0	0	100	0.00	0.0	12.711	0.096	0	0	0	2
PL.47718	PL.47890	B	#4 ACSR	7.44Y	124.0	0.00	0.97	0.00	0	0	0	100	0.00	0.0	12.750	0.038	0	0	0	0
PL.47891	PL.47890	B	6 A (CWC)	7.44Y	124.0	0.00	0.97	0.01	0	0	0	100	0.00	0.0	12.755	0.044	0	0	2	2
PL.60162	PL.47889	B	#1/0 ACSR	7.44Y	124.0	0.00	0.96	0.29	0	2	1	89	0.00	0.0	12.428	0.003	0	0	0	1
PD.8923	PL.60162	B	15T	7.44Y	124.0	0.00	0.96	0.29	0	2	1	89	0.00	0.0	12.428	0.003	0	0	0	1
PL.60163	PD.8923	B	#1/0 ACSR	7.44Y	124.0	0.00	0.96	0.29	0	2	1	89	0.00	0.0	12.540	0.112	2	1	1	1
PL.47702	PL.47882	B	#4 ACSR	7.45Y	124.1	0.00	0.90	2.05	2	15	4	97	0.00	0.0	12.132	0.021	15	4	2	2
PL.46923	PL.47480	C	#2 ACSR	7.46Y	124.3	0.00	0.67	0.15	0	1	0	100	0.00	0.0	11.620	0.044	1	0	1	1
PL.47307	PL.47309	C	#2 ACSR	7.46Y	124.3	0.00	0.66	0.95	1	7	2	96	0.00	0.0	11.509	0.001	0	0	0	1
PD.7498	PL.47307	C	60QA	7.46Y	124.3	0.00	0.66	0.95	2	7	2	96	0.00	0.0	11.509	0.001	0	0	0	1
PL.47308	PD.7498	C	#2 ACSR	7.46Y	124.3	0.00	0.66	0.95	1	7	2	96	0.00	0.0	11.578	0.069	7	2	1	1
PL.47305	PL.47309	A	6 A (CWC)	7.46Y	124.3	0.00	0.66	12.08	9	88	21	97	0.00	0.0	11.508	0.001	0	0	0	19
PD.7365	PL.47305	A	60QA	7.46Y	124.3	0.00	0.66	12.08	20	88	21	97	0.00	0.0	11.508	0.001	0	0	0	19
PL.47306	PD.7365	A	6 A (CWC)	7.46Y	124.3	0.05	0.71	12.08	9	88	21	97	0.03	0.0	11.599	0.090	0	0	0	19
PL.46903	PL.47306	A	#4 ACSR	7.46Y	124.3	0.00	0.71	2.27	2	16	4	97	0.00	0.0	11.639	0.040	0	0	0	3
PL.48899	PL.46903	A	#4 ACSR	7.46Y	124.3	0.00	0.71	1.12	1	8	2	97	0.00	0.0	11.676	0.037	0	0	1	2
PL.48900	PL.48899	A	#4 ACSR	7.46Y	124.3	0.00	0.71	1.12	1	8	2	97	0.00	0.0	11.703	0.027	8	2	1	1
PL.46481	PL.46903	A	#2 ACSR	7.46Y	124.3	0.00	0.71	1.16	1	8	2	97	0.00	0.0	11.669	0.030	8	2	1	1
PL.46902	PL.47306	A	6 A (CWC)	7.46Y	124.3	0.02	0.73	9.80	7	71	17	97	0.01	0.0	11.649	0.051	9	2	2	16
PL.46904	PL.46902	A	6 A (CWC)	7.46Y	124.3	0.01	0.74	8.59	6	62	15	97	0.01	0.0	11.678	0.029	0	0	0	14
PL.47703	PL.46904	A	#4 ACSR	7.46Y	124.3	0.00	0.74	3.71	3	27	7	97	0.00	0.0	11.691	0.013	27	7	4	4
PL.47134	PL.46904	A	6 A (CWC)	7.46Y	124.3	0.01	0.75	4.88	3	35	9	97	0.00	0.0	11.717	0.039	10	2	1	10

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

Balanced Voltage Drop Report
Source: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.47755	PL.47134	A	#2 ACSR	7.46Y	124.3	0.00	0.75	0.00	0	0	0	100	0.00	0.0	11.749	0.031	0	0	1	1
PL.47390	PL.47134	A	6 A (CWC)	7.45Y	124.2	0.01	0.76	3.52	3	26	6	97	0.00	0.0	11.788	0.071	4	1	1	8
PL.47543	PL.47390	A	#4 ACSR	7.45Y	124.2	0.01	0.76	0.92	1	7	2	96	0.00	0.0	12.070	0.282	7	2	1	1
PL.47391	PL.47390	A	6 A (CWC)	7.45Y	124.2	0.00	0.76	2.05	1	15	4	97	0.00	0.0	11.834	0.045	3	1	1	6
PL.47392	PL.47391	A	6 A (CWC)	7.45Y	124.2	0.00	0.76	1.67	1	12	3	97	0.00	0.0	11.909	0.076	5	1	2	5
PL.47643	PL.47392	A	6 A (CWC)	7.45Y	124.2	0.00	0.77	0.94	1	7	2	96	0.00	0.0	11.985	0.076	0	0	2	3
PL.47644	PL.47643	A	6 A (CWC)	7.45Y	124.2	0.00	0.77	0.90	1	7	2	96	0.00	0.0	12.027	0.042	0	0	0	1
PL.47411	PL.47644	A	6 A (CWC)	7.45Y	124.2	0.00	0.77	0.90	1	7	2	96	0.00	0.0	12.109	0.081	7	2	1	1
PL.60032	PL.60031	A	#2 ACSR	7.47Y	124.5	0.00	0.51	2.71	2	20	5	97	0.00	0.0	11.135	0.003	0	0	0	5
PD.8911	PL.60032	A	40QA	7.47Y	124.5	0.00	0.51	2.71	7	20	5	97	0.00	0.0	11.135	0.003	0	0	0	5
PL.65296	PD.8911	A	#2 ACSR	7.47Y	124.5	0.00	0.51	2.71	2	20	5	97	0.00	0.0	11.199	0.064	5	1	2	5
PL.65297	PL.65296	A	#2 ACSR	7.47Y	124.5	0.00	0.51	2.07	1	15	4	97	0.00	0.0	11.199	0.000	15	4	3	3
PL.63458	PL.63459	C	#2 ACSR	7.48Y	124.6	0.00	0.41	3.84	2	28	7	97	0.00	0.0	10.980	0.001	0	0	0	5
PD.7481	PL.63458	C	40QA	7.48Y	124.6	0.00	0.41	3.84	10	28	7	97	0.00	0.0	10.980	0.001	0	0	0	5
PL.59591	PD.7481	C	#2 ACSR	7.48Y	124.6	0.01	0.42	3.84	2	28	7	97	0.00	0.0	11.045	0.064	6	2	1	5
PL.59592	PL.59591	C	#2 ACSR	7.47Y	124.6	0.00	0.42	2.97	2	22	5	98	0.00	0.0	11.058	0.013	16	4	3	4
PL.59593	PL.59592	C	#2 ACSR	7.47Y	124.6	0.00	0.42	0.74	0	5	1	98	0.00	0.0	11.087	0.030	5	1	1	1
PL.48934	PL.63706	B	#4 ACSR	7.48Y	124.6	0.00	0.37	2.63	2	19	5	97	0.00	0.0	10.930	0.001	0	0	0	4
PD.7386	PL.48934	B	40QA	7.48Y	124.6	0.00	0.37	2.63	7	19	5	97	0.00	0.0	10.930	0.001	0	0	0	4
PL.48935	PD.7386	B	#4 ACSR	7.48Y	124.6	0.00	0.37	2.63	2	19	5	97	0.00	0.0	10.959	0.029	10	2	2	4
PL.48936	PL.48935	B	#4 ACSR	7.48Y	124.6	0.00	0.37	1.30	1	9	2	98	0.00	0.0	10.975	0.016	6	1	1	2
PL.48094	PL.48936	B	#4 ACSR	7.48Y	124.6	0.00	0.37	0.50	0	4	1	97	0.00	0.0	10.993	0.019	4	1	1	1
PL.48095	PL.65276	C	6 A (CWC)	7.48Y	124.6	0.00	0.35	1.04	1	8	2	97	0.00	0.0	10.907	0.002	0	0	0	1
PD.7595	PL.48095	C	40QA	7.48Y	124.6	0.00	0.35	1.04	3	8	2	97	0.00	0.0	10.907	0.002	0	0	0	1
PL.48096	PD.7595	C	6 A (CWC)	7.48Y	124.6	0.00	0.35	1.04	1	8	2	97	0.00	0.0	10.936	0.029	8	2	1	1
PL.47940	PL.48966	ABC	#1/0 ACSR	7.49Y	124.9	0.00	0.08	16.27	7	355	87	97	0.01	0.0	10.601	0.016	5	1	1	77
PL.59585	PL.47940	ABC	#1/0 ACSR	7.49Y	124.9	0.02	0.10	16.05	7	350	86	97	0.05	0.0	10.673	0.072	8	2	1	76
PL.59586	PL.59585	ABC	#1/0 ACSR	7.49Y	124.9	0.01	0.12	15.68	7	342	84	97	0.03	0.0	10.721	0.049	0	0	0	75
PL.47941	PL.59586	ABC	#1/0 ACSR	7.49Y	124.9	0.02	0.14	15.40	7	336	82	97	0.04	0.0	10.784	0.063	0	0	0	72
PL.48903	PL.47941	ABC	#1/0 ACSR	7.49Y	124.9	0.00	0.14	15.40	7	336	82	97	0.00	0.0	10.785	0.001	0	0	0	72
PD.7583	PL.48903	ABC	40QA	7.49Y	124.9	0.00	0.14	15.40	38	336	82	97	0.00	0.0	10.785	0.001	0	0	0	72

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: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.48904	PD.7583	ABC	#1/0 ACSR	7.49Y	124.8	0.02	0.15	15.40	7	336	82	97	0.04	0.0	10.842	0.057	0	0	0	72
PL.48905	PL.48904	B	#1/0 ACSR	7.49Y	124.8	0.00	0.15	2.94	1	21	5	97	0.00	0.0	10.843	0.001	0	0	0	6
PD.7373	PL.48905	B	40QA	7.49Y	124.8	0.00	0.15	2.94	7	21	5	97	0.00	0.0	10.843	0.001	0	0	0	6
PL.59588	PD.7373	B	#1/0 ACSR	7.49Y	124.8	0.01	0.16	2.94	1	21	5	97	0.00	0.0	10.945	0.102	0	0	1	6
PL.59589	PL.59588	B	#1/0 ACSR	7.49Y	124.8	0.00	0.16	0.87	0	6	2	95	0.00	0.0	11.005	0.060	0	0	0	2
PL.47269	PL.59589	B	#4 ACSR	7.49Y	124.8	0.00	0.16	0.87	1	6	2	95	0.00	0.0	11.037	0.032	6	2	2	2
PL.59590	PL.59588	B	#4 ACSR	7.49Y	124.8	0.00	0.16	0.68	1	5	1	98	0.00	0.0	10.997	0.052	3	1	1	2
PL.48084	PL.59590	B	#4 ACSR	7.49Y	124.8	0.00	0.16	0.29	0	2	1	89	0.00	0.0	11.053	0.055	2	1	1	1
PL.48085	PL.48084	B	#4 ACSR	7.49Y	124.8	0.00	0.16	0.00	0	0	0	100	0.00	0.0	11.075	0.023	0	0	0	0
PL.59587	PL.59588	B	#4 ACSR	7.49Y	124.8	0.00	0.16	1.38	1	10	2	98	0.00	0.0	10.955	0.010	10	2	1	1
PL.48906	PL.48904	ABC	#1/0 ACSR	7.49Y	124.8	0.03	0.18	14.42	6	315	77	97	0.06	0.0	10.944	0.102	5	1	1	66
PL.48086	PL.48906	ABC	#1/0 ACSR	7.49Y	124.8	0.02	0.19	14.17	6	309	76	97	0.04	0.0	11.013	0.068	9	2	2	65
PL.48087	PL.48086	ABC	#1/0 ACSR	7.49Y	124.8	0.03	0.22	13.76	6	300	73	97	0.05	0.0	11.121	0.109	0	0	0	63
PL.47931	PL.48087	ABC	#1/0 ACSR	7.49Y	124.8	0.01	0.23	9.89	4	216	53	97	0.01	0.0	11.158	0.037	3	1	1	46
PL.46952	PL.47931	ABC	#1/0 ACSR	7.49Y	124.8	0.01	0.24	9.74	4	212	52	97	0.01	0.0	11.215	0.056	0	0	0	45
PL.46953	PL.46952	A	#1/0 ACSR	7.49Y	124.8	0.00	0.24	1.08	0	8	2	97	0.00	0.0	11.216	0.001	0	0	0	1
PD.7393	PL.46953	A	40QA	7.49Y	124.8	0.00	0.24	1.08	3	8	2	97	0.00	0.0	11.216	0.001	0	0	0	1
PL.47576	PD.7393	A	#1/0 ACSR	7.49Y	124.8	0.00	0.24	1.08	0	8	2	97	0.00	0.0	11.242	0.026	8	2	1	1
PL.47577	PL.46952	ABC	#1/0 ACSR	7.49Y	124.8	0.01	0.25	9.38	4	205	50	97	0.01	0.0	11.268	0.053	0	0	0	44
PL.47578	PL.47577	ABC	#1/0 ACSR	7.48Y	124.7	0.01	0.25	9.17	4	200	49	97	0.01	0.0	11.322	0.054	9	2	2	42
PL.59580	PL.47578	ABC	#1/0 ACSR	7.48Y	124.7	0.01	0.26	8.75	4	191	47	97	0.01	0.0	11.374	0.052	14	3	2	40
PL.59581	PL.59580	ABC	#1/0 ACSR	7.48Y	124.7	0.00	0.27	8.10	4	177	43	97	0.00	0.0	11.403	0.029	3	1	1	38
PL.48581	PL.59581	ABC	#1/0 ACSR	7.48Y	124.7	0.02	0.28	7.98	3	174	43	97	0.02	0.0	11.526	0.123	3	1	1	37
PL.48582	PL.48581	A	#4 ACSR	7.48Y	124.7	0.00	0.28	0.90	1	7	2	96	0.00	0.0	11.528	0.002	0	0	0	1
PD.7584	PL.48582	A	40QA	7.48Y	124.7	0.00	0.28	0.90	2	7	2	96	0.00	0.0	11.528	0.002	0	0	0	1
PL.48583	PD.7584	A	#4 ACSR	7.48Y	124.7	0.00	0.29	0.90	1	7	2	96	0.00	0.0	11.627	0.098	0	0	0	1
PL.48584	PL.48583	A	#4 ACSR	7.48Y	124.7	0.00	0.29	0.90	1	7	2	96	0.00	0.0	11.699	0.073	0	0	0	1
PL.47557	PL.48584	A	#4 ACSR	7.48Y	124.7	0.01	0.30	0.90	1	7	2	96	0.00	0.0	12.150	0.451	7	2	1	1
PL.48585	PL.48581	ABC	#1/0 ACSR	7.48Y	124.7	0.00	0.29	7.56	3	165	40	97	0.00	0.0	11.555	0.028	0	0	0	35
PL.48586	PL.48585	ABC	#1/0 ACSR	7.48Y	124.7	0.01	0.29	7.30	3	159	39	97	0.01	0.0	11.612	0.057	4	1	2	34
PL.48593	PL.48586	A	6 A (CWC)	7.48Y	124.7	0.00	0.30	21.33	15	155	38	97	0.00	0.0	11.613	0.001	0	0	0	32

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

Balanced Voltage Drop Report
Source: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% 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.7396	PL.48593	A	40QA	7.48Y	124.7	0.00	0.30	21.33	53	155	38	97	0.00	0.0	11.613	0.001	0	0	0	32
PL.48594	PD.7396	A	6 A (CWC)	7.48Y	124.7	0.03	0.32	21.33	15	155	38	97	0.03	0.0	11.643	0.031	2	1	1	32
PL.48595	PL.48594	A	6 A (CWC)	7.47Y	124.5	0.17	0.50	21.03	15	153	37	97	0.19	0.1	11.826	0.182	6	1	1	31
PL.47607	PL.48595	A	6 A (CWC)	7.47Y	124.4	0.07	0.57	9.86	7	72	17	97	0.04	0.1	11.998	0.172	8	2	3	16
PL.47617	PL.47607	A	#4 ACSR	7.46Y	124.4	0.02	0.59	7.16	6	52	13	97	0.01	0.0	12.084	0.086	26	6	3	10
PL.47618	PL.47617	A	#4 ACSR	7.46Y	124.4	0.01	0.59	3.57	3	26	6	97	0.00	0.0	12.116	0.032	0	0	0	7
PL.47619	PL.47618	A	#4 ACSR	7.46Y	124.4	0.01	0.60	2.64	2	19	5	97	0.00	0.0	12.176	0.060	3	1	1	6
PL.47620	PL.47619	A	#4 ACSR	7.46Y	124.4	0.04	0.64	2.24	2	16	4	97	0.01	0.0	12.607	0.431	0	0	0	5
PL.48596	PL.47620	A	#4 ACSR	7.46Y	124.3	0.03	0.67	2.17	2	16	4	97	0.00	0.0	12.994	0.387	10	2	3	4
PL.48937	PL.48596	A	#4 ACSR	7.46Y	124.3	0.00	0.67	0.81	1	6	1	99	0.00	0.0	13.036	0.042	6	1	1	1
PL.48938	PL.47620	A	#4 ACSR	7.46Y	124.4	0.00	0.64	0.07	0	1	0	100	0.00	0.0	12.635	0.028	1	0	1	1
PL.48939	PL.48938	A	#4 ACSR	7.46Y	124.4	0.00	0.64	0.00	0	0	0	100	0.00	0.0	13.096	0.461	0	0	0	0
PL.48940	PL.48939	A	#4 ACSR	7.46Y	124.4	0.00	0.64	0.00	0	0	0	100	0.00	0.0	13.277	0.181	0	0	0	0
PL.47320	PL.47618	A	#4 ACSR	7.46Y	124.4	0.00	0.59	0.94	1	7	2	96	0.00	0.0	12.175	0.059	7	2	1	1
PL.47615	PL.47607	A	#4 ACSR	7.47Y	124.4	0.01	0.57	1.60	1	12	3	97	0.00	0.0	12.090	0.092	0	0	0	3
PL.47616	PL.47615	A	#4 ACSR	7.47Y	124.4	0.00	0.57	1.60	1	12	3	97	0.00	0.0	12.107	0.017	12	3	3	3
PL.47608	PL.48595	A	6 A (CWC)	7.47Y	124.5	0.00	0.50	2.99	2	22	5	98	0.00	0.0	11.867	0.041	6	2	2	7
PL.47609	PL.47608	A	6 A (CWC)	7.47Y	124.5	0.00	0.50	2.13	2	15	4	97	0.00	0.0	11.916	0.050	7	2	2	5
PL.47613	PL.47609	A	6 A (CWC)	7.47Y	124.5	0.00	0.51	1.19	1	9	2	98	0.00	0.0	11.991	0.075	9	2	3	3
PL.47614	PL.47613	A	6 A (CWC)	7.47Y	124.5	0.00	0.51	0.00	0	0	0	100	0.00	0.0	12.082	0.091	0	0	0	0
PL.47610	PL.48595	A	#4 ACSR	7.47Y	124.5	0.02	0.52	7.38	6	54	13	97	0.01	0.0	11.917	0.091	24	6	3	7
PL.47611	PL.47610	A	#4 ACSR	7.47Y	124.5	0.01	0.52	4.04	3	29	7	97	0.00	0.0	11.954	0.037	13	3	2	4
PL.47612	PL.47611	A	#4 ACSR	7.47Y	124.5	0.00	0.53	2.29	2	17	4	97	0.00	0.0	12.044	0.090	17	4	2	2
PL.48591	PL.48585	A	6 A (CWC)	7.48Y	124.7	0.00	0.29	0.78	1	6	1	99	0.00	0.0	11.556	0.002	0	0	0	1
PD.7585	PL.48591	A	40QA	7.48Y	124.7	0.00	0.29	0.78	2	6	1	99	0.00	0.0	11.556	0.002	0	0	0	1
PL.48592	PD.7585	A	6 A (CWC)	7.48Y	124.7	0.00	0.29	0.78	1	6	1	99	0.00	0.0	11.613	0.057	6	1	1	1
PL.48587	PL.48585	C	#1/0 ACSR	7.48Y	124.7	0.00	0.29	0.00	0	0	0	100	0.00	0.0	11.556	0.002	0	0	0	0
PD.7486	PL.48587	C	40QA	7.48Y	124.7	0.00	0.29	0.00	0	0	0	100	0.00	0.0	11.556	0.002	0	0	0	0
PL.48590	PD.7486	C	#1/0 ACSR	7.48Y	124.7	0.00	0.29	0.00	0	0	0	100	0.00	0.0	11.622	0.066	0	0	0	0
PL.47579	PL.47577	A	#1/0 ACSR	7.49Y	124.8	0.00	0.25	0.62	0	5	1	98	0.00	0.0	11.269	0.001	0	0	0	2
PD.7395	PL.47579	A	40QA	7.49Y	124.8	0.00	0.25	0.62	2	5	1	98	0.00	0.0	11.269	0.001	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: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.47143	PD.7395	A	#1/0 ACSR	7.49Y	124.8	0.00	0.25	0.62	0	5	1	98	0.00	0.0	11.352	0.083	2	0	1	2
PL.47144	PL.47143	A	#1/0 ACSR	7.49Y	124.8	0.00	0.25	0.36	0	3	1	95	0.00	0.0	11.431	0.079	3	1	1	1
PL.48089	PL.48087	C	6 A (CWC)	7.49Y	124.8	0.00	0.22	0.00	0	0	0	100	0.00	0.0	11.123	0.002	0	0	0	1
PD.7490	PL.48089	C	40QA	7.49Y	124.8	0.00	0.22	0.00	0	0	0	100	0.00	0.0	11.123	0.002	0	0	0	1
PL.48090	PD.7490	C	6 A (CWC)	7.49Y	124.8	0.00	0.22	0.00	0	0	0	100	0.00	0.0	11.163	0.040	0	0	1	1
PL.48091	PL.48087	A	6 A (CWC)	7.49Y	124.8	0.00	0.22	11.61	8	84	21	97	0.00	0.0	11.123	0.002	0	0	0	16
PD.7550	PL.48091	A	40QA	7.49Y	124.8	0.00	0.22	11.61	29	84	21	97	0.00	0.0	11.123	0.002	0	0	0	16
PL.48092	PD.7550	A	6 A (CWC)	7.49Y	124.8	0.02	0.24	11.61	8	84	21	97	0.01	0.0	11.162	0.039	0	0	0	16
PL.48093	PL.48092	A	6 A (CWC)	7.48Y	124.7	0.02	0.26	10.24	7	74	18	97	0.01	0.0	11.207	0.045	21	5	3	12
PL.47930	PL.48093	A	6 A (CWC)	7.48Y	124.7	0.01	0.27	7.36	5	54	13	97	0.00	0.0	11.243	0.036	6	1	1	9
PL.47932	PL.47930	A	6 A (CWC)	7.48Y	124.7	0.01	0.28	5.24	4	38	9	97	0.00	0.0	11.300	0.057	3	1	1	6
PL.59010	PL.47932	A	6 A (CWC)	7.48Y	124.7	0.01	0.29	4.82	3	35	9	97	0.00	0.0	11.335	0.035	1	0	1	5
PL.59011	PL.59010	A	6 A (CWC)	7.48Y	124.7	0.00	0.29	1.23	1	9	2	98	0.00	0.0	11.403	0.069	9	2	2	2
PL.59012	PL.59010	A	#1/0 ACSR	7.48Y	124.7	0.00	0.29	3.52	2	26	6	97	0.00	0.0	11.336	0.002	0	0	0	2
PD.8663	PL.59012	A	15T	7.48Y	124.7	0.00	0.29	3.52	0	26	6	97	0.00	0.0	11.336	0.002	0	0	0	2
PL.59013	PD.8663	A	#1/0 ACSR	7.48Y	124.7	0.00	0.29	3.52	2	26	6	97	0.00	0.0	11.346	0.010	26	6	2	2
PL.48088	PL.47930	A	6 A (CWC)	7.48Y	124.7	0.00	0.27	1.33	1	10	2	98	0.00	0.0	11.273	0.030	10	2	2	2
PL.49463	PL.48088	A	6 A (CWC)	7.48Y	124.7	0.00	0.27	0.00	0	0	0	100	0.00	0.0	11.294	0.022	0	0	0	0
PL.49464	PL.49463	A	6 A (CWC)	7.48Y	124.7	0.00	0.27	0.00	0	0	0	100	0.00	0.0	11.309	0.015	0	0	0	0
PL.47933	PL.48092	A	6 A (CWC)	7.49Y	124.8	0.00	0.24	1.15	1	8	2	97	0.00	0.0	11.222	0.061	8	2	1	2
PL.47934	PL.47933	A	6 A (CWC)	7.49Y	124.8	0.00	0.24	0.01	0	0	0	100	0.00	0.0	11.255	0.033	0	0	0	1
PL.48189	PL.47934	A	6 A (CWC)	7.49Y	124.8	0.00	0.24	0.01	0	0	0	100	0.00	0.0	11.304	0.049	0	0	1	1
PL.64606	PL.48092	A	#1/0 ACSR	7.49Y	124.8	0.00	0.24	0.22	0	2	0	100	0.00	0.0	11.191	0.030	2	0	2	2
PL.48901	PL.59586	A	#1/0 ACSR	7.49Y	124.9	0.00	0.12	0.85	0	6	2	95	0.00	0.0	10.723	0.001	0	0	0	3
PD.7394	PL.48901	A	40QA	7.49Y	124.9	0.00	0.12	0.85	2	6	2	95	0.00	0.0	10.723	0.001	0	0	0	3
PL.48902	PD.7394	A	#1/0 ACSR	7.49Y	124.9	0.00	0.12	0.85	0	6	2	95	0.00	0.0	10.746	0.023	2	0	1	3
PL.47429	PL.48902	A	#1/0 ACSR	7.49Y	124.9	0.00	0.12	0.64	0	5	1	98	0.00	0.0	10.803	0.057	5	1	2	2
PL.47430	PL.47429	A	#1/0 ACSR	7.49Y	124.9	0.00	0.12	0.00	0	0	0	100	0.00	0.0	10.860	0.057	0	0	0	0
PL.48968	PL.48967	A	6 A (CWC)	7.52Y	125.3	0.00	-0.26	0.29	0	2	1	89	0.00	0.0	10.324	0.001	0	0	0	2
PD.7531	PL.48968	A	40QA	7.52Y	125.3	0.00	-0.26	0.29	1	2	1	89	0.00	0.0	10.324	0.001	0	0	0	2
PL.48969	PD.7531	A	6 A (CWC)	7.52Y	125.3	0.00	-0.26	0.29	0	2	1	89	0.00	0.0	10.374	0.050	0	0	0	2

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Balanced Voltage Drop Report
Source: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.48970	PL.48969	A	6 A (CWC)	7.52Y	125.3	0.00	-0.26	0.29	0	2	1	89	0.00	0.0	10.438	0.064	1	0	1	2
PL.48199	PL.48970	A	6 A (CWC)	7.52Y	125.3	0.00	-0.25	0.21	0	2	0	100	0.00	0.0	10.488	0.050	0	0	0	1
PL.48200	PL.48199	A	6 A (CWC)	7.52Y	125.3	0.00	-0.25	0.21	0	2	0	100	0.00	0.0	10.614	0.126	0	0	0	1
PL.48201	PL.48200	A	6 A (CWC)	7.52Y	125.3	0.00	-0.25	0.21	0	2	0	100	0.00	0.0	10.689	0.075	2	0	1	1
PL.62116	PL.62114	C	6 A (CWC)	7.13Y	118.9	0.00	6.11	1.73	1	12	3	97	0.00	0.0	9.649	0.001	0	0	0	2
PD.7398	PL.62116	C	40QA	7.13Y	118.9	0.00	6.11	1.73	4	12	3	97	0.00	0.0	9.649	0.001	0	0	0	2
PL.48964	PD.7398	C	6 A (CWC)	7.13Y	118.9	0.00	6.11	1.73	1	12	3	97	0.00	0.0	9.690	0.041	0	0	0	2
PL.59549	PL.48964	C	6 A (CWC)	7.13Y	118.9	0.00	6.11	1.73	1	12	3	97	0.00	0.0	9.744	0.054	12	3	2	2
PL.59550	PL.59549	C	6 A (CWC)	7.13Y	118.9	0.00	6.11	0.00	0	0	0	100	0.00	0.0	9.783	0.039	0	0	0	0
PL.48963	PL.48964	C	6 A (CWC)	7.13Y	118.9	0.00	6.11	0.00	0	0	0	100	0.00	0.0	9.831	0.141	0	0	0	0
PL.57370	PL.57369	A	#1/0 ACSR	7.20Y	120.0	0.00	5.03	0.68	0	5	1	98	0.00	0.0	8.679	0.005	0	0	0	1
PD.7923	PL.57370	A	10QA	7.20Y	120.0	0.00	5.03	0.68	0	5	1	98	0.00	0.0	8.679	0.005	0	0	0	1
PL.53630	PD.7923	A	#1/0 ACSR	7.20Y	120.0	0.00	5.03	0.68	0	5	1	98	0.00	0.0	8.731	0.052	5	1	1	1
PL.53629	PL.53628	A	#2 ACSR	7.23Y	120.4	0.00	4.55	0.00	0	0	0	100	0.00	0.0	8.262	0.003	0	0	0	0
PD.7922	PL.53629	A	10QA	7.23Y	120.4	0.00	4.55	0.00	0	0	0	100	0.00	0.0	8.262	0.003	0	0	0	0
PL.53627	PD.7922	A	#2 ACSR	7.23Y	120.4	0.00	4.55	0.00	0	0	0	100	0.00	0.0	8.336	0.074	0	0	0	0
PL.57374	PL.53628	C	6 A (CWC)	7.23Y	120.4	0.00	4.55	0.00	0	0	0	100	0.00	0.0	8.261	0.002	0	0	0	0
PD.8357-B	PL.57374	C	Open	7.23Y	120.4	0.00	4.55	0.00	0	0	0	100	0.00	0.0	8.261	0.002	0	0	0	0
PL.57322	PL.57321	A	#4 ACSR	7.31Y	121.9	0.00	3.11	0.86	1	6	1	99	0.00	0.0	7.008	0.005	0	0	0	1
PD.7920	PL.57322	A	10QA	7.31Y	121.9	0.00	3.11	0.86	0	6	1	99	0.00	0.0	7.008	0.005	0	0	0	1
PL.53620	PD.7920	A	#4 ACSR	7.31Y	121.9	0.00	3.11	0.86	1	6	1	99	0.00	0.0	7.106	0.097	6	1	1	1
PL.53619	PL.53620	A	#4 ACSR	7.31Y	121.9	0.00	3.11	0.00	0	0	0	100	0.00	0.0	7.237	0.131	0	0	0	0
PL.53616	PL.53615	A	6 A (CWC)	7.34Y	122.3	0.00	2.66	1.59	1	11	3	96	0.00	0.0	6.624	0.005	0	0	0	1
PD.7919	PL.53616	A	10QA	7.34Y	122.3	0.00	2.66	1.59	0	11	3	96	0.00	0.0	6.624	0.005	0	0	0	1
PL.53617	PD.7919	A	6 A (CWC)	7.34Y	122.3	0.00	2.66	1.59	1	11	3	96	0.00	0.0	6.684	0.060	11	3	1	1
PL.53607	PL.53606	C	#4 ACSR	7.42Y	123.7	0.00	1.32	0.47	0	3	1	95	0.00	0.0	5.505	0.003	0	0	0	1
PD.7915	PL.53607	C	10QA	7.42Y	123.7	0.00	1.32	0.47	0	3	1	95	0.00	0.0	5.505	0.003	0	0	0	1
PL.53605	PD.7915	C	#4 ACSR	7.42Y	123.7	0.00	1.32	0.47	0	3	1	95	0.00	0.0	5.576	0.071	3	1	1	1
PL.62136	PL.62135	A	#1/0 ACSR	7.14Y	118.9	0.00	6.07	0.69	0	5	1	98	0.00	0.0	4.948	0.004	0	0	0	1
PD.7913	PL.62136	A	10QA	7.14Y	118.9	0.00	6.07	0.69	0	5	1	98	0.00	0.0	4.948	0.004	0	0	0	1
PL.53413	PD.7913	A	#1/0 ACSR	7.14Y	118.9	0.00	6.07	0.69	0	5	1	98	0.00	0.0	4.964	0.016	5	1	1	1

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Balanced Voltage Drop Report
Source: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.53411	PL.53408	C	#4 ACSR	7.14Y	119.1	0.00	5.94	40.81	31	283	70	97	0.01	0.0	4.846	0.003	0	0	0	62
PD.7912	PL.53411	C	70L	7.14Y	119.1	0.00	5.94	40.81	58	283	70	97	0.00	0.0	4.846	0.003	0	0	0	62
PL.53412	PD.7912	C	#4 ACSR	7.14Y	119.0	0.04	5.98	40.81	31	283	70	97	0.08	0.0	4.866	0.020	0	0	0	62
PL.53410	PL.53412	C	#4 ACSR	7.12Y	118.6	0.37	6.35	40.02	31	277	69	97	0.80	0.3	5.080	0.214	7	2	1	61
PL.38453	PL.53410	C	#4 ACSR	7.12Y	118.6	0.05	6.40	38.99	30	269	67	97	0.10	0.0	5.106	0.027	0	0	0	60
PL.38452	PL.38453	C	#4 ACSR	7.11Y	118.5	0.13	6.53	38.99	30	269	67	97	0.28	0.1	5.182	0.076	1	0	1	60
REG86	PL.38452	C	76.2 KVA	7.53Y	125.5	-7.06	-0.53	38.82	39	268	66	97	percent Boost= 0.00			Tap= 0.0				59
PL.37734	REG86	C	#4 ACSR	7.53Y	125.4	0.11	-0.42	36.64	28	268	66	97	0.22	0.1	5.251	0.068	4	1	1	59
PL.38451	PL.37734	C	#4 ACSR	7.52Y	125.3	0.13	-0.29	35.18	27	257	64	97	0.24	0.1	5.332	0.082	2	0	1	57
PL.37617	PL.38451	C	#4 ACSR	7.49Y	124.9	0.41	0.12	31.83	24	232	58	97	0.70	0.3	5.633	0.301	11	3	1	53
PL.57313	PL.37617	C	6 A (CWC)	7.49Y	124.9	0.00	0.12	8.88	6	65	16	97	0.00	0.0	5.636	0.003	0	0	0	14
PD.8276	PL.57313	C	60QA	7.49Y	124.9	0.00	0.12	8.88	15	65	16	97	0.00	0.0	5.636	0.003	0	0	0	14
PL.57314	PD.8276	C	6 A (CWC)	7.48Y	124.7	0.18	0.30	8.88	6	65	16	97	0.08	0.1	6.122	0.486	8	2	1	14
PL.38211	PL.57314	C	6 A (CWC)	7.48Y	124.7	0.00	0.30	0.00	0	0	0	100	0.00	0.0	6.291	0.169	0	0	0	0
PL.38212	PL.38211	C	6 A (CWC)	7.48Y	124.7	0.00	0.30	0.00	0	0	0	100	0.00	0.0	6.357	0.066	0	0	0	0
PL.38210	PL.57314	C	6 A (CWC)	7.47Y	124.5	0.23	0.54	7.72	6	56	14	97	0.10	0.2	6.791	0.669	0	0	0	13
PL.37621	PL.38210	C	6 A (CWC)	7.46Y	124.3	0.14	0.68	7.72	6	56	14	97	0.06	0.1	7.204	0.413	0	0	0	13
PL.37480	PL.37621	C	6 A (CWC)	7.46Y	124.3	0.00	0.68	0.00	0	0	0	100	0.00	0.0	7.313	0.109	0	0	0	0
PL.37620	PL.37621	C	6 A (CWC)	7.45Y	124.2	0.14	0.82	7.72	6	56	14	97	0.06	0.1	7.597	0.393	0	0	0	13
PL.37614	PL.37620	C	6 A (CWC)	7.44Y	124.0	0.15	0.97	7.56	5	55	13	97	0.06	0.1	8.097	0.500	13	3	1	11
PL.37613	PL.37614	C	6 A (CWC)	7.44Y	124.0	0.05	1.03	5.80	4	42	10	97	0.02	0.0	8.334	0.236	11	3	3	10
PL.37612	PL.37613	C	6 A (CWC)	7.44Y	124.0	0.02	1.04	4.25	3	31	7	98	0.00	0.0	8.428	0.094	0	0	0	6
PL.38209	PL.37612	C	6 A (CWC)	7.44Y	123.9	0.02	1.07	4.19	3	30	7	97	0.01	0.0	8.559	0.131	0	0	0	5
PL.37675	PL.38209	C	#2 ACSR	7.44Y	123.9	0.00	1.07	1.36	1	10	2	98	0.00	0.0	8.592	0.032	10	2	1	1
PL.37784	PL.38209	C	6 A (CWC)	7.44Y	123.9	0.01	1.07	1.42	1	10	2	98	0.00	0.0	8.644	0.085	0	0	0	2
PL.37782	PL.37784	C	#2 ACSR	7.44Y	123.9	0.00	1.08	1.01	1	7	2	96	0.00	0.0	8.687	0.043	7	2	1	1
PL.37783	PL.37782	C	#2 ACSR	7.44Y	123.9	0.00	1.08	0.00	0	0	0	100	0.00	0.0	8.763	0.076	0	0	0	0
PL.38208	PL.37784	C	6 A (CWC)	7.44Y	123.9	0.00	1.08	0.40	0	3	1	95	0.00	0.0	8.692	0.048	0	0	0	1
PL.37781	PL.38208	C	6 A (CWC)	7.44Y	123.9	0.00	1.08	0.40	0	3	1	95	0.00	0.0	8.738	0.046	3	1	1	1
PL.38207	PL.37781	C	6 A (CWC)	7.44Y	123.9	0.00	1.08	0.00	0	0	0	100	0.00	0.0	8.821	0.083	0	0	0	0
PL.37780	PL.38207	C	6 A (CWC)	7.44Y	123.9	0.00	1.08	0.00	0	0	0	100	0.00	0.0	8.980	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: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.57372	PL.37780	C	6 A (CWC)	7.44Y	123.9	0.00	1.08	0.00	0	0	0	100	0.00	0.0	9.057	0.077	0	0	0	0
PL.57373	PL.57372	C	6 A (CWC)	7.44Y	123.9	0.00	1.08	0.00	0	0	0	100	0.00	0.0	9.367	0.309	0	0	0	0
PD.8357-A	PL.57373	C	Open	7.44Y	123.9	0.00	1.08	0.00	0	0	0	100	0.00	0.0	9.367	0.309	0	0	0	0
PL.37861	PL.38209	C	#2 ACSR	7.44Y	123.9	0.00	1.07	1.41	1	10	2	98	0.00	0.0	8.594	0.035	10	2	2	2
PL.37723	PL.37612	C	#4 ACSR	7.44Y	124.0	0.00	1.04	0.06	0	0	0	100	0.00	0.0	8.486	0.058	0	0	1	1
PL.37304	PL.37613	C	#4 ACSR	7.44Y	124.0	0.00	1.03	0.03	0	0	0	100	0.00	0.0	8.418	0.084	0	0	1	1
PL.37615	PL.37620	C	#4 ACSR	7.45Y	124.2	0.00	0.82	0.16	0	1	0	100	0.00	0.0	8.120	0.523	1	0	1	2
PL.37616	PL.37615	C	#4 ACSR	7.45Y	124.2	0.00	0.82	0.02	0	0	0	100	0.00	0.0	8.308	0.187	0	0	1	1
PL.37479	PL.38210	C	6 A (CWC)	7.47Y	124.5	0.00	0.54	0.00	0	0	0	100	0.00	0.0	7.164	0.373	0	0	0	0
PL.37281	PL.37617	C	#1/0 ACSR	7.49Y	124.8	0.03	0.15	21.50	9	156	39	97	0.03	0.0	5.698	0.065	1	0	1	38
PL.37282	PL.37281	C	#1/0 ACSR	7.49Y	124.8	0.02	0.17	21.36	9	155	38	97	0.02	0.0	5.730	0.033	0	0	0	37
PL.63841	PL.37282	C	#2 ACSR	7.49Y	124.8	0.03	0.20	1.25	1	9	2	98	0.00	0.0	6.550	0.819	0	0	0	1
PL.63842	PL.63841	C	#2 ACSR	7.49Y	124.8	0.00	0.20	0.00	0	0	0	100	0.00	0.0	6.885	0.335	0	0	0	0
PL.63843	PL.63841	C	#1/0 ACSR	7.49Y	124.8	0.00	0.20	1.25	1	9	2	98	0.00	0.0	6.622	0.073	0	0	0	1
PL.63844	PL.63843	C	#1/0 ACSR	7.49Y	124.8	0.00	0.20	1.25	1	9	2	98	0.00	0.0	6.734	0.112	0	0	0	1
PL.63845	PL.63844	C	#1/0 ACSR	7.49Y	124.8	0.00	0.21	1.25	1	9	2	98	0.00	0.0	6.790	0.056	9	2	1	1
PL.38454	PL.37282	C	#1/0 ACSR	7.48Y	124.6	0.23	0.40	20.11	9	146	36	97	0.22	0.1	6.238	0.508	3	1	1	36
PL.38455	PL.38454	C	#1/0 ACSR	7.47Y	124.6	0.03	0.42	18.48	8	134	33	97	0.02	0.0	6.302	0.063	0	0	0	32
PL.38457	PL.38455	C	6 A (CWC)	7.47Y	124.5	0.05	0.47	17.46	12	127	31	97	0.04	0.0	6.359	0.057	0	0	0	31
PL.38458	PL.38457	C	6 A (CWC)	7.47Y	124.5	0.04	0.51	17.46	12	127	31	97	0.03	0.0	6.406	0.047	0	0	0	31
PL.37646	PL.38458	C	6 A (CWC)	7.47Y	124.4	0.05	0.55	15.81	11	115	28	97	0.04	0.0	6.469	0.064	0	0	0	29
PL.63054	PL.37646	C	6 A (CWC)	7.46Y	124.4	0.06	0.61	15.81	11	115	28	97	0.05	0.0	6.551	0.081	0	0	0	29
PL.63056	PL.63054	C	#1/0 ACSR	7.46Y	124.4	0.00	0.61	0.97	0	7	2	96	0.00	0.0	6.555	0.004	0	0	0	1
PD.9410	PL.63056	C	25T	7.46Y	124.4	0.00	0.61	0.97	0	7	2	96	0.00	0.0	6.555	0.004	0	0	0	1
PL.63057	PD.9410	C	#1/0 ACSR	7.46Y	124.4	0.00	0.61	0.97	0	7	2	96	0.00	0.0	6.630	0.075	7	2	1	1
PL.63055	PL.63054	C	6 A (CWC)	7.44Y	124.0	0.39	1.00	14.84	11	108	26	97	0.31	0.3	7.136	0.585	2	0	2	28
PL.37647	PL.63055	C	6 A (CWC)	7.44Y	123.9	0.05	1.05	14.57	10	105	26	97	0.04	0.0	7.212	0.076	0	0	1	26
PL.38459	PL.37647	C	6 A (CWC)	7.43Y	123.9	0.10	1.15	14.56	10	105	26	97	0.07	0.1	7.356	0.144	0	0	0	25
PL.57782	PL.38459	C	6 A (CWC)	7.43Y	123.8	0.03	1.18	14.56	10	105	26	97	0.02	0.0	7.404	0.047	11	3	3	25
PL.57783	PL.57782	C	6 A (CWC)	7.43Y	123.8	0.02	1.20	13.01	9	94	23	97	0.02	0.0	7.443	0.039	0	0	0	22
PL.37648	PL.57783	C	6 A (CWC)	7.42Y	123.7	0.10	1.30	13.01	9	94	23	97	0.07	0.1	7.607	0.165	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: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.38460	PL.37648	C	6 A (CWC)	7.42Y	123.7	0.05	1.35	11.63	8	84	21	97	0.03	0.0	7.706	0.099	0	0	0	21
PL.38461	PL.38460	C	6 A (CWC)	7.41Y	123.5	0.14	1.49	10.83	8	78	19	97	0.08	0.1	7.991	0.285	0	0	1	20
PL.38462	PL.38461	C	6 A (CWC)	7.41Y	123.5	0.05	1.54	10.78	8	78	19	97	0.03	0.0	8.093	0.102	0	0	0	19
PL.38463	PL.38462	C	6 A (CWC)	7.41Y	123.5	0.00	1.54	5.99	4	43	11	97	0.00	0.0	8.099	0.006	0	0	0	10
PD.6071	PL.38463	C	40QA	7.41Y	123.5	0.00	1.54	5.99	15	43	11	97	0.00	0.0	8.099	0.006	0	0	0	10
PL.57643	PD.6071	C	6 A (CWC)	7.41Y	123.4	0.02	1.56	5.99	4	43	11	97	0.01	0.0	8.174	0.075	2	1	2	10
PL.57642	PL.57643	C	6 A (CWC)	7.41Y	123.4	0.02	1.57	5.66	4	41	10	97	0.00	0.0	8.232	0.059	0	0	0	8
PL.38465	PL.57642	C	6 A (CWC)	7.40Y	123.4	0.03	1.60	5.66	4	41	10	97	0.01	0.0	8.341	0.109	0	0	0	8
PL.37765	PL.38465	C	6 A (CWC)	7.40Y	123.4	0.00	1.60	2.00	1	14	3	98	0.00	0.0	8.408	0.066	14	3	2	2
PL.38046	PL.38465	C	6 A (CWC)	7.40Y	123.4	0.04	1.64	3.67	3	26	6	97	0.01	0.0	8.627	0.285	6	1	1	6
PL.38047	PL.38046	C	6 A (CWC)	7.40Y	123.3	0.02	1.66	2.84	2	20	5	97	0.00	0.0	8.773	0.147	5	1	1	5
PL.38466	PL.38047	C	6 A (CWC)	7.40Y	123.3	0.01	1.67	2.13	2	15	4	97	0.00	0.0	8.835	0.062	0	0	0	4
PL.37643	PL.38466	C	#4 ACSR	7.40Y	123.3	0.00	1.67	0.00	0	0	0	100	0.00	0.0	8.866	0.032	0	0	0	0
PL.37649	PL.38466	C	6 A (CWC)	7.40Y	123.3	0.03	1.70	2.13	2	15	4	97	0.00	0.0	9.185	0.350	0	0	0	4
PL.38467	PL.37649	C	6 A (CWC)	7.40Y	123.3	0.00	1.70	2.13	2	15	4	97	0.00	0.0	9.234	0.049	3	1	1	4
PL.38436	PL.38467	C	6 A (CWC)	7.40Y	123.3	0.00	1.71	1.76	1	13	3	97	0.00	0.0	9.304	0.069	5	1	1	3
PL.38468	PL.38436	C	6 A (CWC)	7.40Y	123.3	0.00	1.71	1.07	1	8	2	97	0.00	0.0	9.392	0.089	0	0	1	2
PL.38469	PL.38468	C	6 A (CWC)	7.40Y	123.3	0.01	1.73	1.04	1	7	2	96	0.00	0.0	9.694	0.302	0	0	0	1
PL.38470	PL.38469	C	6 A (CWC)	7.40Y	123.3	0.00	1.73	0.00	0	0	0	100	0.00	0.0	9.695	0.001	0	0	0	0
PD.5233	PL.38470	C	25QA	7.40Y	123.3	0.00	1.73	0.00	0	0	0	100	0.00	0.0	9.695	0.001	0	0	0	0
PL.38471	PD.5233	C	6 A (CWC)	7.40Y	123.3	0.00	1.73	0.00	0	0	0	100	0.00	0.0	9.814	0.119	0	0	0	0
PL.36874	PL.38469	C	6 A (CWC)	7.40Y	123.3	0.02	1.75	1.04	1	7	2	96	0.00	0.0	10.176	0.482	0	0	0	1
PL.36873	PL.36874	C	6 A (CWC)	7.39Y	123.2	0.02	1.77	1.04	1	7	2	96	0.00	0.0	10.592	0.416	0	0	0	1
PL.38481	PL.36873	C	6 A (CWC)	7.39Y	123.2	0.00	1.77	1.04	1	7	2	96	0.00	0.0	10.751	0.158	7	2	1	1
PL.38480	PL.38481	C	6 A (CWC)	7.39Y	123.2	0.00	1.77	0.00	0	0	0	100	0.00	0.0	10.924	0.173	0	0	0	0
PL.37400	PL.38480	C	6 A (CWC)	7.39Y	123.2	0.00	1.77	0.00	0	0	0	100	0.00	0.0	11.198	0.274	0	0	0	0
PL.38476	PL.37400	C	6 A (CWC)	7.39Y	123.2	0.00	1.77	0.00	0	0	0	100	0.00	0.0	11.340	0.142	0	0	0	0
PL.38472	PL.38476	C	6 A (CWC)	7.39Y	123.2	0.00	1.77	0.00	0	0	0	100	0.00	0.0	11.385	0.045	0	0	0	0
PL.37724	PL.36874	C	6 A (CWC)	7.40Y	123.3	0.00	1.75	0.00	0	0	0	100	0.00	0.0	10.355	0.179	0	0	0	0
PL.38218	PL.38462	C	6 A (CWC)	7.41Y	123.4	0.03	1.56	4.79	3	34	8	97	0.01	0.0	8.226	0.133	6	1	1	9
PL.37655	PL.38218	C	6 A (CWC)	7.41Y	123.4	0.00	1.56	0.00	0	0	0	100	0.00	0.0	8.271	0.046	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: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.58944	PL.38218	C	6 A (CWC)	7.40Y	123.4	0.02	1.59	3.93	3	28	7	97	0.00	0.0	8.386	0.161	9	2	2	8
PL.58945	PL.58944	C	6 A (CWC)	7.40Y	123.4	0.00	1.59	2.65	2	19	5	97	0.00	0.0	8.390	0.004	0	0	0	6
PD.8747	PL.58945	C	40QA	7.40Y	123.4	0.00	1.59	2.65	7	19	5	97	0.00	0.0	8.390	0.004	0	0	0	6
PL.58943	PD.8747	C	6 A (CWC)	7.40Y	123.4	0.03	1.62	2.65	2	19	5	97	0.00	0.0	8.652	0.262	0	0	0	6
PL.38464	PL.58943	C	6 A (CWC)	7.40Y	123.3	0.06	1.68	2.65	2	19	5	97	0.01	0.0	9.137	0.485	0	0	0	6
PL.65736	PL.38464	C	6 A (CWC)	7.40Y	123.3	0.01	1.69	2.65	2	19	5	97	0.00	0.0	9.232	0.094	0	0	0	6
PD.9582-A	PL.65736	C	Closed	7.40Y	123.3	0.00	1.69	2.65	0	19	5	97	0.00	0.0	9.232	0.094	0	0	0	6
PD.9582-B	PD.9582-A	C	Closed	7.40Y	123.3	0.00	1.69	2.65	0	19	5	97	0.00	0.0	9.232	0.094	0	0	0	6
PL.65737	PD.9582-B	C	6 A (CWC)	7.40Y	123.3	0.04	1.73	2.65	2	19	5	97	0.00	0.0	9.680	0.449	9	2	1	6
PL.37245	PL.65737	C	6 A (CWC)	7.40Y	123.3	0.01	1.74	1.36	1	10	2	98	0.00	0.0	9.798	0.118	0	0	0	5
PL.37880	PL.37245	C	6 A (CWC)	7.40Y	123.3	0.00	1.74	0.00	0	0	0	100	0.00	0.0	9.851	0.053	0	0	0	0
PL.37246	PL.37245	C	6 A (CWC)	7.40Y	123.3	0.00	1.74	1.36	1	10	2	98	0.00	0.0	9.882	0.084	6	2	2	5
PL.37756	PL.37246	C	6 A (CWC)	7.40Y	123.3	0.00	1.74	0.00	0	0	0	100	0.00	0.0	10.316	0.433	0	0	0	1
PL.37881	PL.37756	C	6 A (CWC)	7.40Y	123.3	0.00	1.74	0.00	0	0	0	100	0.00	0.0	10.373	0.057	0	0	0	0
PL.38424	PL.37756	C	6 A (CWC)	7.40Y	123.3	0.00	1.74	0.00	0	0	0	100	0.00	0.0	10.940	0.624	0	0	0	1
PL.61397	PL.38424	C	6 A (CWC)	7.40Y	123.3	0.00	1.74	0.00	0	0	0	100	0.00	0.0	11.127	0.187	0	0	1	1
PL.61398	PL.61397	C	6 A (CWC)	7.40Y	123.3	0.00	1.74	0.00	0	0	0	100	0.00	0.0	11.228	0.101	0	0	0	0
PD.7998-B	PL.61398	C	Open	7.40Y	123.3	0.00	1.74	0.00	0	0	0	100	0.00	0.0	11.228	0.101	0	0	0	0
PL.37350	PL.37756	C	6 A (CWC)	7.40Y	123.3	0.00	1.74	0.00	0	0	0	100	0.00	0.0	10.496	0.180	0	0	0	0
PL.39284	PL.37246	C	6 A (CWC)	7.40Y	123.3	0.00	1.74	0.49	0	4	1	97	0.00	0.0	9.884	0.002	0	0	0	2
PD.6038	PL.39284	C	40QA	7.40Y	123.3	0.00	1.74	0.49	1	4	1	97	0.00	0.0	9.884	0.002	0	0	0	2
PL.37653	PD.6038	C	6 A (CWC)	7.40Y	123.3	0.00	1.75	0.49	0	4	1	97	0.00	0.0	10.097	0.213	0	0	1	2
PL.37654	PL.37653	C	6 A (CWC)	7.39Y	123.2	0.01	1.75	0.49	0	4	1	97	0.00	0.0	10.915	0.818	4	1	1	1
PL.37830	PL.38464	C	6 A (CWC)	7.40Y	123.3	0.00	1.68	0.00	0	0	0	100	0.00	0.0	9.704	0.566	0	0	0	0
PL.62827	PL.38460	C	#2 ACSR	7.42Y	123.7	0.00	1.35	0.80	0	6	1	99	0.00	0.0	7.729	0.023	6	1	1	1
PL.37396	PL.37648	C	#2 ACSR	7.42Y	123.7	0.00	1.30	1.38	1	10	2	98	0.00	0.0	7.663	0.056	10	2	1	1
PL.37266	PL.38458	C	#2 ACSR	7.47Y	124.5	0.00	0.51	1.65	1	12	3	97	0.00	0.0	6.462	0.056	5	1	1	2
PL.38456	PL.37266	C	#2 ACSR	7.47Y	124.5	0.00	0.51	0.97	1	7	2	96	0.00	0.0	6.505	0.043	7	2	1	1
PL.64508	PL.38455	C	#4 ACSR	7.47Y	124.6	0.00	0.43	1.03	1	7	2	96	0.00	0.0	6.404	0.103	0	0	0	1
PL.37711	PL.64508	C	#2 ACSR	7.47Y	124.6	0.00	0.43	1.03	1	7	2	96	0.00	0.0	6.453	0.048	7	2	1	1
PL.38394	PL.64508	C	#4 ACSR	7.47Y	124.6	0.00	0.43	0.00	0	0	0	100	0.00	0.0	6.486	0.081	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: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.37629	PL.38454	C	#4 ACSR	7.48Y	124.6	0.00	0.40	1.23	1	9	2	98	0.00	0.0	6.370	0.132	9	2	3	3
PL.63065	PL.38451	C	#4 ACSR	7.52Y	125.3	0.00	-0.29	3.10	2	23	6	97	0.00	0.0	5.370	0.038	12	3	1	3
PL.63066	PL.63065	C	#4 ACSR	7.52Y	125.3	0.00	-0.29	1.43	1	10	3	96	0.00	0.0	5.403	0.033	1	0	1	2
PL.37618	PL.63066	C	#4 ACSR	7.52Y	125.3	0.00	-0.29	1.29	1	9	2	98	0.00	0.0	5.466	0.063	9	2	1	1
PL.38227	PL.37734	C	#4 ACSR	7.53Y	125.4	0.00	-0.42	0.85	1	6	2	95	0.00	0.0	5.298	0.048	6	2	1	1
PL.38228	PL.38227	C	#4 ACSR	7.53Y	125.4	0.00	-0.42	0.00	0	0	0	100	0.00	0.0	5.387	0.088	0	0	0	0
PL.53409	PL.53412	C	#4 ACSR	7.14Y	119.0	0.00	5.98	0.79	1	5	1	98	0.00	0.0	4.905	0.039	5	1	1	1
PL.37095	PL.51974	C	#1/0 ACSR	7.28Y	121.3	0.00	3.69	1.14	0	8	2	97	0.00	0.0	3.394	0.002	0	0	0	2
PD.5241	PL.37095	C	25QA	7.28Y	121.3	0.00	3.69	1.14	5	8	2	97	0.00	0.0	3.394	0.002	0	0	0	2
PL.37096	PD.5241	C	#1/0 ACSR	7.28Y	121.3	0.00	3.70	1.14	0	8	2	97	0.00	0.0	3.471	0.078	8	2	2	2
PL.37308	PL.37445	C	6 A (CWC)	7.37Y	122.8	0.00	2.18	6.39	5	46	11	97	0.00	0.0	2.428	0.003	0	0	0	11
PD.6075	PL.37308	C	30T	7.37Y	122.8	0.00	2.18	6.39	0	46	11	97	0.00	0.0	2.428	0.003	0	0	0	11
PL.36715	PD.6075	C	6 A (CWC)	7.37Y	122.8	0.01	2.19	6.39	5	46	11	97	0.00	0.0	2.452	0.024	12	3	1	11
PL.37866	PL.36715	C	6 A (CWC)	7.37Y	122.8	0.03	2.22	4.78	3	34	8	97	0.01	0.0	2.600	0.147	5	1	1	10
PL.37867	PL.37866	C	6 A (CWC)	7.37Y	122.8	0.01	2.23	4.15	3	30	7	97	0.00	0.0	2.648	0.048	0	0	0	9
PL.37446	PL.37867	C	6 A (CWC)	7.37Y	122.8	0.01	2.24	4.15	3	30	7	97	0.00	0.0	2.717	0.070	0	0	0	9
PL.37447	PL.37446	C	6 A (CWC)	7.36Y	122.7	0.04	2.28	4.15	3	30	7	97	0.01	0.0	2.924	0.207	6	1	1	9
PL.37449	PL.37447	C	6 A (CWC)	7.36Y	122.7	0.02	2.29	3.33	2	24	6	97	0.00	0.0	3.031	0.106	0	0	0	8
PL.37450	PL.37449	C	6 A (CWC)	7.36Y	122.7	0.01	2.30	3.33	2	24	6	97	0.00	0.0	3.095	0.064	1	0	1	8
PL.37451	PL.37450	C	6 A (CWC)	7.36Y	122.6	0.06	2.36	3.20	2	23	6	97	0.01	0.0	3.476	0.382	0	0	0	7
PL.37454	PL.37451	C	6 A (CWC)	7.36Y	122.6	0.00	2.36	2.15	2	15	4	97	0.00	0.0	3.527	0.051	0	0	0	3
PL.37455	PL.37454	C	6 A (CWC)	7.36Y	122.6	0.03	2.39	2.15	2	15	4	97	0.00	0.0	3.854	0.327	0	0	0	3
PL.37482	PL.37455	C	6 A (CWC)	7.36Y	122.6	0.01	2.40	1.38	1	10	2	98	0.00	0.0	3.938	0.083	0	0	0	2
PL.37458	PL.37482	C	6 A (CWC)	7.36Y	122.6	0.01	2.41	1.38	1	10	2	98	0.00	0.0	4.048	0.110	0	0	0	2
PL.37483	PL.37458	C	6 A (CWC)	7.36Y	122.6	0.01	2.41	1.38	1	10	2	98	0.00	0.0	4.166	0.118	1	0	1	2
PL.37484	PL.37483	C	6 A (CWC)	7.35Y	122.6	0.01	2.42	1.29	1	9	2	98	0.00	0.0	4.264	0.098	0	0	0	1
PL.37485	PL.37484	C	6 A (CWC)	7.35Y	122.6	0.01	2.42	1.29	1	9	2	98	0.00	0.0	4.357	0.093	0	0	0	1
PL.37776	PL.37485	C	#4 ACSR	7.35Y	122.6	0.00	2.43	1.29	1	9	2	98	0.00	0.0	4.531	0.174	9	2	1	1
PL.37637	PL.37485	C	6 A (CWC)	7.35Y	122.6	0.00	2.42	0.00	0	0	0	100	0.00	0.0	4.584	0.227	0	0	0	0
PL.38398	PL.37455	C	6 A (CWC)	7.36Y	122.6	0.01	2.40	0.77	1	6	1	99	0.00	0.0	4.038	0.184	0	0	0	1
PL.37036	PL.38398	C	6 A (CWC)	7.36Y	122.6	0.00	2.40	0.77	1	6	1	99	0.00	0.0	4.307	0.270	6	1	1	1

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

Balanced Voltage Drop Report
Source: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.38400	PL.37036	C	6 A (CWC)	7.36Y	122.6	0.00	2.40	0.00	0	0	0	100	0.00	0.0	4.532	0.224	0	0	0	0
PL.38401	PL.38400	C	6 A (CWC)	7.36Y	122.6	0.00	2.40	0.00	0	0	0	100	0.00	0.0	4.889	0.357	0	0	0	0
PL.37452	PL.37451	C	6 A (CWC)	7.36Y	122.6	0.00	2.36	1.05	1	7	2	96	0.00	0.0	3.551	0.075	1	0	1	4
PL.37453	PL.37452	C	6 A (CWC)	7.36Y	122.6	0.00	2.36	0.91	1	6	2	95	0.00	0.0	3.643	0.092	0	0	0	3
PL.37286	PL.37453	C	6 A (CWC)	7.36Y	122.6	0.00	2.36	0.15	0	1	0	100	0.00	0.0	3.677	0.035	1	0	1	1
PL.37456	PL.37453	C	#4 ACSR	7.36Y	122.6	0.00	2.37	0.76	1	5	1	98	0.00	0.0	3.688	0.045	0	0	1	2
PL.37457	PL.37456	C	#4 ACSR	7.36Y	122.6	0.00	2.37	0.73	1	5	1	98	0.00	0.0	3.733	0.045	5	1	1	1
PL.37638	PL.37449	C	#2 ACSR	7.36Y	122.7	0.00	2.29	0.00	0	0	0	100	0.00	0.0	3.047	0.016	0	0	0	0
PL.37439	PL.37438	A	#4 ACSR	7.40Y	123.3	0.00	1.74	0.89	1	6	2	95	0.00	0.0	2.150	0.001	0	0	0	1
PD.6029	PL.37439	A	40QA	7.40Y	123.3	0.00	1.74	0.89	2	6	2	95	0.00	0.0	2.150	0.001	0	0	0	1
PL.37440	PD.6029	A	#4 ACSR	7.40Y	123.3	0.00	1.74	0.89	1	6	2	95	0.00	0.0	2.197	0.046	6	2	1	1
PL.37288	PL.37816	ABC	336 MCM AC	7.42Y	123.6	0.00	1.41	1.24	0	27	7	97	0.00	0.0	2.021	0.070	0	0	0	5
PL.37289	PL.37288	ABC	336 MCM AC	7.42Y	123.6	0.00	1.41	1.24	0	27	7	97	0.00	0.0	2.068	0.047	0	0	0	5
PL.37448	PL.37289	ABC	336 MCM AC	7.42Y	123.6	0.00	1.41	1.09	0	24	6	97	0.00	0.0	2.316	0.249	0	0	0	4
PL.38419	PL.37448	C	#4 ACSR	7.41Y	123.6	0.01	1.42	3.27	3	24	6	97	0.00	0.0	2.396	0.080	18	5	3	4
PL.38420	PL.38419	C	#4 ACSR	7.41Y	123.6	0.00	1.42	0.70	1	5	1	98	0.00	0.0	2.457	0.062	5	1	1	1
PL.62170	PL.37448	ABC	336 MCM AC	7.42Y	123.6	0.00	1.41	0.00	0	0	0	100	0.00	0.0	2.356	0.040	0	0	0	0
PD.9281-A	PL.62170	ABC	Open	7.42Y	123.6	0.00	1.41	0.00	0	0	0	100	0.00	0.0	2.356	0.040	0	0	0	0
PL.37644	PL.37289	C	#4 ACSR	7.42Y	123.6	0.00	1.41	0.45	0	3	1	95	0.00	0.0	2.072	0.004	0	0	0	1
PD.6076	PL.37644	C	40T	7.42Y	123.6	0.00	1.41	0.45	0	3	1	95	0.00	0.0	2.072	0.004	0	0	0	1
PL.37645	PD.6076	C	#4 ACSR	7.42Y	123.6	0.00	1.41	0.45	0	3	1	95	0.00	0.0	2.129	0.057	3	1	1	1
PL.37790	PL.37288	C	#4 ACSR	7.42Y	123.6	0.00	1.41	0.00	0	0	0	100	0.00	0.0	2.108	0.087	0	0	0	0
PL.62884	PL.62881	A	#1/0 ACSR	7.46Y	124.3	0.00	0.72	1.29	1	9	2	98	0.00	0.0	0.978	0.002	0	0	0	1
PD.5893	PL.62884	A	10QA	7.46Y	124.3	0.00	0.72	1.29	0	9	2	98	0.00	0.0	0.978	0.002	0	0	0	1
PL.37051	PD.5893	A	#1/0 ACSR	7.46Y	124.3	0.00	0.72	1.29	1	9	2	98	0.00	0.0	1.014	0.036	9	2	1	1
PL.58007	PL.58008	C	6 A (CWC)	7.46Y	124.4	0.00	0.59	2.19	2	16	4	97	0.00	0.0	0.810	0.004	0	0	0	4
PD.5906	PL.58007	C	30T	7.46Y	124.4	0.00	0.59	2.19	0	16	4	97	0.00	0.0	0.810	0.004	0	0	0	4
PL.37732	PD.5906	C	6 A (CWC)	7.46Y	124.4	0.01	0.60	2.19	2	16	4	97	0.00	0.0	0.904	0.094	0	0	0	4
PL.37331	PL.37732	C	6 A (CWC)	7.46Y	124.4	0.00	0.60	0.00	0	0	0	100	0.00	0.0	0.969	0.065	0	0	0	0
PL.37054	PL.37732	C	6 A (CWC)	7.46Y	124.4	0.01	0.61	2.19	2	16	4	97	0.00	0.0	0.982	0.078	10	2	2	4
PL.37055	PL.37054	C	6 A (CWC)	7.46Y	124.4	0.00	0.61	0.85	1	6	2	95	0.00	0.0	1.047	0.065	6	1	1	2

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

Balanced Voltage Drop Report
Source: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.37056	PL.37055	C	6 A (CWC)	7.46Y	124.4	0.00	0.61	0.02	0	0	0	100	0.00	0.0	1.163	0.116	0	0	0	1
PL.38399	PL.37056	C	6 A (CWC)	7.46Y	124.4	0.00	0.61	0.02	0	0	0	100	0.00	0.0	1.251	0.088	0	0	1	1
PL.37399	PL.37055	C	6 A (CWC)	7.46Y	124.4	0.00	0.61	0.00	0	0	0	100	0.00	0.0	1.096	0.049	0	0	0	0
PL.37979	PL.38482	ABC	336 MCM AC	7.50Y	124.9	0.00	0.08	0.00	0	0	0	100	0.00	0.0	0.105	0.000	0	0	0	0
PL.53023	Three Links	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	160.03	31	3385	1227	94	0.08	0.0	0.004	0.004	0	0	0	510
PL.53063	PL.53023	ABC	336 MCM AC	7.50Y	125.0	0.00	0.01	160.03	31	3385	1227	94	0.08	0.0	0.007	0.004	0	0	0	510
---------- Feeder No. 1 (Pine Grove F1) Beginning with Device PD.8073 ----------																				
PD.8073	PL.53063	ABC	360VWE	7.50Y	125.0	0.00	0.01	160.03	0	3385	1227	94	0.00	0.0	0.007	0.004	0	0	0	510
PL.37641	PD.8073	ABC	336 MCM AC	7.50Y	125.0	0.02	0.03	160.03	31	3385	1227	94	0.39	0.0	0.025	0.018	0	0	0	510
PL.37981	PL.37641	ABC	336 MCM AC	7.50Y	125.0	0.00	0.03	0.00	0	0	0	100	0.00	0.0	0.039	0.014	0	0	0	0
PL.38239	PL.37641	ABC	336 MCM AC	7.49Y	124.9	0.10	0.13	160.03	31	3385	1226	94	1.69	0.0	0.103	0.078	0	0	0	510
PL.38241	PL.38239	A	#4 ACSR	7.49Y	124.9	0.00	0.13	0.30	0	2	1	89	0.00	0.0	0.109	0.006	0	0	0	1
PD.5899	PL.38241	A	75QA	7.49Y	124.9	0.00	0.13	0.30	0	2	1	89	0.00	0.0	0.109	0.006	0	0	0	1
PL.38242	PD.5899	A	#4 ACSR	7.49Y	124.9	0.00	0.13	0.30	0	2	1	89	0.00	0.0	0.176	0.067	2	1	1	1
PL.38247	PL.38239	ABC	336 MCM AC	7.49Y	124.8	0.11	0.24	159.94	31	3381	1222	94	1.77	0.1	0.185	0.082	0	0	0	509
PL.63043	PL.38247	ABC	336 MCM AC	7.48Y	124.7	0.10	0.35	159.64	31	3372	1216	94	1.74	0.1	0.267	0.081	0	0	0	505
PL.63045	PL.63043	B	#1/0 ACSR	7.48Y	124.7	0.00	0.35	0.00	0	0	0	100	0.00	0.0	0.329	0.062	0	0	0	0
PL.63044	PL.63043	ABC	336 MCM AC	7.46Y	124.3	0.35	0.69	159.64	31	3371	1212	94	5.75	0.2	0.535	0.268	0	0	0	505
PL.38125	PL.63044	A	6 A (CWC)	7.46Y	124.3	0.00	0.69	0.54	0	4	1	97	0.00	0.0	0.537	0.002	0	0	0	1
PD.6035	PL.38125	A	75QA	7.46Y	124.3	0.00	0.69	0.54	1	4	1	97	0.00	0.0	0.537	0.002	0	0	0	1
PL.38243	PD.6035	A	6 A (CWC)	7.46Y	124.3	0.00	0.69	0.54	0	4	1	97	0.00	0.0	0.657	0.120	4	1	1	1
PL.38331	PL.63044	C	6 A (CWC)	7.46Y	124.3	0.00	0.69	0.37	0	3	1	95	0.00	0.0	0.537	0.002	0	0	0	1
PD.5904	PL.38331	C	75QA	7.46Y	124.3	0.00	0.69	0.37	0	3	1	95	0.00	0.0	0.537	0.002	0	0	0	1
PL.38332	PD.5904	C	6 A (CWC)	7.46Y	124.3	0.00	0.69	0.37	0	3	1	95	0.00	0.0	0.602	0.065	3	1	1	1
PL.37874	PL.63044	ABC	336 MCM AC	7.45Y	124.1	0.19	0.88	159.34	31	3358	1197	94	3.10	0.1	0.680	0.145	11	3	3	503
PL.38333	PL.37874	ABC	336 MCM AC	7.44Y	123.9	0.17	1.05	158.84	31	3344	1187	94	2.88	0.1	0.815	0.135	0	0	0	500
PL.38484	PL.38333	ABC	336 MCM AC	7.43Y	123.8	0.17	1.22	158.52	31	3335	1179	94	2.74	0.1	0.945	0.130	9	2	1	499
PL.38485	PL.38484	ABC	336 MCM AC	7.42Y	123.6	0.19	1.41	158.12	30	3323	1170	94	3.17	0.1	1.096	0.151	3	1	1	498
PL.38486	PL.38485	ABC	336 MCM AC	7.40Y	123.3	0.27	1.68	157.97	30	3317	1162	94	4.46	0.1	1.308	0.213	14	3	2	497

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Balanced Voltage Drop Report
Source: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.38487	PL.38486	ABC	336 MCM AC	7.40Y	123.3	0.06	1.73	157.32	30	3298	1148	94	0.93	0.0	1.353	0.044	0	0	0	495
PL.38488	PL.38487	ABC	336 MCM AC	7.38Y	123.0	0.22	1.95	156.78	30	3285	1143	94	3.64	0.1	1.528	0.176	0	0	0	494
PL.37928	PL.38488	ABC	336 MCM AC	7.37Y	122.8	0.23	2.18	154.03	30	3222	1120	94	3.68	0.1	1.713	0.184	0	0	0	478
PL.57229	PL.37928	ABC	336 MCM AC	7.36Y	122.7	0.16	2.34	153.82	30	3214	1110	95	2.64	0.1	1.846	0.133	9	2	1	477
PL.57230	PL.57229	ABC	336 MCM AC	7.34Y	122.4	0.26	2.60	153.38	30	3202	1102	95	4.20	0.1	2.057	0.212	0	0	0	476
PL.37931	PL.57230	ABC	#4 ACSR	7.34Y	122.4	0.00	2.60	0.00	0	0	0	100	0.00	0.0	2.058	0.001	0	0	0	0
PD.6044	PL.37931	ABC	75QA	7.34Y	122.4	0.00	2.60	0.00	0	0	0	100	0.00	0.0	2.058	0.001	0	0	0	0
PL.37932	PD.6044	ABC	#4 ACSR	7.34Y	122.4	0.00	2.60	0.00	0	0	0	100	0.00	0.0	2.101	0.043	0	0	0	0
PL.37933	PL.57230	ABC	336 MCM AC	7.34Y	122.4	0.04	2.64	153.38	30	3198	1092	95	0.64	0.0	2.090	0.032	2	0	2	476
PL.37934	PL.37933	ABC	336 MCM AC	7.33Y	122.2	0.21	2.85	153.31	30	3196	1090	95	3.36	0.1	2.259	0.170	0	0	0	474
PL.36741	PL.37934	A	6 A (CWC)	7.32Y	122.1	0.08	2.93	19.93	14	142	35	97	0.08	0.1	2.344	0.085	0	0	0	32
PL.36742	PL.36741	A	6 A (CWC)	7.32Y	122.1	0.00	2.93	19.93	14	142	35	97	0.00	0.0	2.346	0.001	0	0	0	32
PD.6087	PL.36742	A	50L	7.32Y	122.1	0.00	2.93	19.93	40	142	35	97	0.00	0.0	2.346	0.001	0	0	0	32
PL.36743	PD.6087	A	6 A (CWC)	7.32Y	122.1	0.02	2.95	19.93	14	142	35	97	0.02	0.0	2.367	0.021	0	0	0	32
PL.37757	PL.36743	A	6 A (CWC)	7.32Y	121.9	0.13	3.08	19.93	14	142	35	97	0.14	0.1	2.514	0.148	4	1	1	32
PL.37935	PL.37757	A	6 A (CWC)	7.31Y	121.9	0.06	3.13	19.32	14	137	34	97	0.06	0.0	2.579	0.064	5	1	1	31
PL.37936	PL.37935	A	6 A (CWC)	7.31Y	121.8	0.08	3.21	18.66	13	133	32	97	0.08	0.1	2.672	0.093	0	0	0	30
PL.37937	PL.37936	A	6 A (CWC)	7.30Y	121.7	0.13	3.34	18.00	13	128	31	97	0.12	0.1	2.836	0.164	8	2	1	29
PL.37938	PL.37937	A	6 A (CWC)	7.30Y	121.6	0.04	3.38	16.91	12	120	29	97	0.04	0.0	2.888	0.052	0	0	0	28
PL.37939	PL.37938	A	6 A (CWC)	7.30Y	121.6	0.00	3.39	1.75	1	12	3	97	0.00	0.0	2.946	0.058	0	0	0	2
PL.37940	PL.37939	A	6 A (CWC)	7.30Y	121.6	0.00	3.39	0.27	0	2	0	100	0.00	0.0	3.048	0.103	2	0	1	1
PL.37775	PL.37939	A	6 A (CWC)	7.30Y	121.6	0.00	3.39	1.48	1	11	3	96	0.00	0.0	3.007	0.061	11	3	1	1
PL.37941	PL.37938	A	6 A (CWC)	7.29Y	121.5	0.10	3.49	14.18	10	100	25	97	0.08	0.1	3.057	0.169	8	2	1	25
PL.37486	PL.37941	A	6 A (CWC)	7.29Y	121.4	0.08	3.56	13.11	9	93	23	97	0.05	0.1	3.194	0.137	6	2	2	24
PL.37487	PL.37486	A	6 A (CWC)	7.28Y	121.4	0.05	3.62	12.22	9	87	21	97	0.03	0.0	3.289	0.096	3	1	1	22
PL.37949	PL.37487	A	6 A (CWC)	7.28Y	121.3	0.04	3.65	3.71	3	26	6	97	0.01	0.0	3.513	0.224	0	0	1	8
PL.38343	PL.37949	A	6 A (CWC)	7.28Y	121.3	0.01	3.66	3.68	3	26	6	97	0.00	0.0	3.566	0.053	3	1	2	7
PL.38344	PL.38343	A	6 A (CWC)	7.28Y	121.3	0.02	3.69	3.20	2	23	6	97	0.00	0.0	3.734	0.168	0	0	0	4
PL.38345	PL.38344	A	6 A (CWC)	7.28Y	121.3	0.00	3.69	2.02	1	14	3	98	0.00	0.0	3.784	0.050	10	2	1	2
PL.38346	PL.38345	A	6 A (CWC)	7.28Y	121.3	0.00	3.69	0.60	0	4	1	97	0.00	0.0	3.837	0.054	4	1	1	1
PL.38347	PL.38344	A	6 A (CWC)	7.28Y	121.3	0.00	3.69	1.18	1	8	2	97	0.00	0.0	3.826	0.092	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: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.38348	PL.38347	A	6 A (CWC)	7.28Y	121.3	0.00	3.69	1.18	1	8	2	97	0.00	0.0	3.863	0.037	8	2	2	2
PL.37815	PL.38343	A	6 A (CWC)	7.28Y	121.3	0.00	3.66	0.02	0	0	0	100	0.00	0.0	3.690	0.124	0	0	1	1
PL.37942	PL.37487	A	6 A (CWC)	7.28Y	121.4	0.03	3.64	6.61	5	47	11	97	0.01	0.0	3.385	0.096	0	0	0	12
PL.37943	PL.37942	A	6 A (CWC)	7.28Y	121.3	0.03	3.67	5.15	4	36	9	97	0.01	0.0	3.495	0.110	0	0	0	10
PL.38349	PL.37943	A	6 A (CWC)	7.28Y	121.3	0.05	3.72	5.07	4	36	9	97	0.01	0.0	3.697	0.202	0	0	0	7
PL.37777	PL.38349	A	6 A (CWC)	7.28Y	121.3	0.00	3.72	0.00	0	0	0	100	0.00	0.0	3.776	0.079	0	0	0	0
PL.38448	PL.38349	A	6 A (CWC)	7.27Y	121.2	0.04	3.76	5.07	4	36	9	97	0.01	0.0	3.866	0.170	0	0	0	7
PL.38350	PL.38448	A	#1/0 ACSR	7.27Y	121.2	0.00	3.76	0.31	0	2	1	89	0.00	0.0	3.896	0.029	0	0	0	1
PL.38351	PL.38350	A	#1/0 ACSR	7.27Y	121.2	0.00	3.76	0.31	0	2	1	89	0.00	0.0	3.923	0.027	2	1	1	1
PL.36759	PL.38448	A	6 A (CWC)	7.27Y	121.2	0.04	3.80	4.75	3	34	8	97	0.01	0.0	4.053	0.186	0	0	0	6
PL.37749	PL.36759	A	6 A (CWC)	7.27Y	121.2	0.01	3.80	4.75	3	34	8	97	0.00	0.0	4.099	0.046	6	1	1	6
PL.38449	PL.37749	A	6 A (CWC)	7.27Y	121.2	0.01	3.82	3.95	3	28	7	97	0.00	0.0	4.173	0.074	0	0	0	5
PL.37227	PL.38449	A	6 A (CWC)	7.27Y	121.2	0.02	3.84	2.44	2	17	4	97	0.00	0.0	4.372	0.199	0	0	0	2
PL.38354	PL.37227	A	6 A (CWC)	7.27Y	121.1	0.02	3.86	2.44	2	17	4	97	0.00	0.0	4.526	0.154	0	0	0	2
PL.38355	PL.38354	A	6 A (CWC)	7.27Y	121.1	0.00	3.86	0.98	1	7	2	96	0.00	0.0	4.577	0.052	7	2	1	1
PL.37426	PL.38355	A	6 A (CWC)	7.27Y	121.1	0.00	3.86	0.00	0	0	0	100	0.00	0.0	4.661	0.084	0	0	0	0
PL.37333	PL.38354	A	#4 ACSR	7.27Y	121.1	0.00	3.86	1.46	1	10	3	96	0.00	0.0	4.590	0.064	10	3	1	1
PL.38352	PL.38449	A	#4 ACSR	7.27Y	121.2	0.00	3.82	1.51	1	11	3	96	0.00	0.0	4.246	0.073	3	1	2	3
PL.38353	PL.38352	A	#4 ACSR	7.27Y	121.2	0.00	3.82	1.02	1	7	2	96	0.00	0.0	4.273	0.027	7	2	1	1
PL.37488	PL.37943	A	6 A (CWC)	7.28Y	121.3	0.00	3.67	0.08	0	1	0	100	0.00	0.0	3.520	0.025	0	0	0	3
PL.37946	PL.37488	A	6 A (CWC)	7.28Y	121.3	0.00	3.67	0.08	0	1	0	100	0.00	0.0	3.577	0.057	0	0	1	3
PL.37489	PL.37946	A	6 A (CWC)	7.28Y	121.3	0.00	3.67	0.07	0	0	0	100	0.00	0.0	3.710	0.133	0	0	1	2
PL.37947	PL.37489	A	6 A (CWC)	7.28Y	121.3	0.00	3.67	0.06	0	0	0	100	0.00	0.0	3.792	0.082	0	0	0	1
PL.37490	PL.37947	A	6 A (CWC)	7.28Y	121.3	0.00	3.67	0.06	0	0	0	100	0.00	0.0	3.840	0.048	0	0	1	1
PL.37948	PL.37490	A	6 A (CWC)	7.28Y	121.3	0.00	3.67	0.00	0	0	0	100	0.00	0.0	3.949	0.109	0	0	0	0
PL.37950	PL.37948	A	6 A (CWC)	7.28Y	121.3	0.00	3.67	0.00	0	0	0	100	0.00	0.0	3.996	0.047	0	0	0	0
PL.38131	PL.37489	A	6 A (CWC)	7.28Y	121.3	0.00	3.67	0.00	0	0	0	100	0.00	0.0	3.792	0.081	0	0	0	0
PL.37944	PL.37942	A	6 A (CWC)	7.28Y	121.4	0.00	3.65	1.46	1	10	3	96	0.00	0.0	3.439	0.055	10	3	2	2
PL.37945	PL.37944	A	6 A (CWC)	7.28Y	121.4	0.00	3.65	0.00	0	0	0	100	0.00	0.0	3.482	0.043	0	0	0	0
PL.37300	PL.37487	A	6 A (CWC)	7.28Y	121.4	0.00	3.62	1.44	1	10	2	98	0.00	0.0	3.322	0.033	10	2	1	1
PL.37708	PL.37938	A	6 A (CWC)	7.30Y	121.6	0.00	3.38	0.98	1	7	2	96	0.00	0.0	2.945	0.057	7	2	1	1

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

Balanced Voltage Drop Report
Source: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.37754	PL.37936	A	6 A (CWC)	7.31Y	121.8	0.00	3.21	0.67	0	5	1	98	0.00	0.0	2.711	0.039	5	1	1	1
PL.36716	PL.37934	ABC	336 MCM AC	7.32Y	121.9	0.21	3.06	146.70	28	3051	1048	95	3.30	0.1	2.441	0.182	4	1	1	442
PL.38406	PL.36716	ABC	336 MCM AC	7.31Y	121.9	0.09	3.15	146.51	28	3043	1039	95	1.37	0.0	2.517	0.076	8	2	1	441
PL.38009	PL.38406	ABC	336 MCM AC	7.30Y	121.7	0.11	3.26	145.58	28	3022	1031	95	1.67	0.1	2.611	0.094	0	0	0	438
PL.36717	PL.38009	ABC	336 MCM AC	7.30Y	121.6	0.13	3.38	145.58	28	3020	1027	95	1.94	0.1	2.719	0.108	0	0	0	438
PL.38407	PL.36717	A	#1/0 ACSR	7.30Y	121.6	0.00	3.38	1.19	1	8	2	97	0.00	0.0	2.720	0.001	0	0	0	1
PD.6001	PL.38407	A	40QA	7.30Y	121.6	0.00	3.38	1.19	3	8	2	97	0.00	0.0	2.720	0.001	0	0	0	1
PL.38012	PD.6001	A	#1/0 ACSR	7.30Y	121.6	0.00	3.38	1.19	1	8	2	97	0.00	0.0	2.778	0.058	8	2	1	1
PL.38509	PL.36717	ABC	336 MCM AC	7.29Y	121.6	0.05	3.43	145.18	28	3010	1020	95	0.74	0.0	2.761	0.042	0	0	0	437
PL.38510	PL.38509	C	6 A (CWC)	7.29Y	121.6	0.00	3.43	0.38	0	3	1	95	0.00	0.0	2.764	0.003	0	0	0	2
PD.5888	PL.38510	C	75QA	7.29Y	121.6	0.00	3.43	0.38	1	3	1	95	0.00	0.0	2.764	0.003	0	0	0	2
PL.38511	PD.5888	C	6 A (CWC)	7.29Y	121.6	0.00	3.43	0.38	0	3	1	95	0.00	0.0	2.870	0.106	3	1	2	2
PL.63059	PL.38509	ABC	336 MCM AC	7.29Y	121.5	0.10	3.54	145.06	28	3007	1018	95	1.60	0.1	2.851	0.090	0	0	0	435
PL.63061	PL.63059	C	#1/0 ACSR	7.29Y	121.5	0.00	3.54	0.67	0	5	1	98	0.00	0.0	2.854	0.003	0	0	0	1
PD.9411	PL.63061	C	10T	7.29Y	121.5	0.00	3.54	0.67	0	5	1	98	0.00	0.0	2.854	0.003	0	0	0	1
PL.63062	PD.9411	C	#1/0 ACSR	7.29Y	121.5	0.00	3.54	0.67	0	5	1	98	0.00	0.0	2.913	0.059	5	1	1	1
PL.63060	PL.63059	ABC	336 MCM AC	7.28Y	121.3	0.18	3.71	144.84	28	3000	1013	95	2.70	0.1	3.004	0.153	0	0	0	434
PL.38517	PL.63060	ABC	336 MCM AC	7.27Y	121.2	0.09	3.80	142.79	28	2954	996	95	1.40	0.0	3.086	0.082	0	0	0	425
PL.38518	PL.38517	ABC	336 MCM AC	7.27Y	121.1	0.08	3.88	142.79	28	2953	993	95	1.14	0.0	3.152	0.067	0	0	0	425
PL.38519	PL.38518	ABC	336 MCM AC	7.26Y	121.1	0.05	3.93	142.79	28	2952	990	95	0.78	0.0	3.198	0.045	0	0	0	425
PL.37800	PL.38519	A	6 A (CWC)	7.26Y	121.1	0.00	3.93	0.00	0	0	0	100	0.00	0.0	3.376	0.178	0	0	0	0
PL.37606	PL.38519	ABC	336 MCM AC	7.24Y	120.7	0.38	4.31	142.79	28	2951	988	95	5.72	0.2	3.532	0.334	10	3	2	425
PL.38654	PL.37606	ABC	336 MCM AC	7.23Y	120.6	0.13	4.44	142.31	27	2935	973	95	2.02	0.1	3.650	0.118	0	0	0	423
PL.38006	PL.38654	B	6 A (CWC)	7.23Y	120.6	0.00	4.44	0.76	1	5	1	98	0.00	0.0	3.651	0.001	0	0	0	2
PD.5887	PL.38006	B	75QA	7.23Y	120.6	0.00	4.44	0.76	1	5	1	98	0.00	0.0	3.651	0.001	0	0	0	2
PL.38007	PD.5887	B	6 A (CWC)	7.23Y	120.6	0.01	4.45	0.76	1	5	1	98	0.00	0.0	4.054	0.403	5	1	2	2
PL.38003	PL.38654	ABC	336 MCM AC	7.22Y	120.4	0.20	4.64	142.05	27	2927	967	95	3.08	0.1	3.832	0.182	8	2	2	421
PL.38004	PL.38003	ABC	336 MCM AC	7.22Y	120.3	0.05	4.69	140.94	27	2901	954	95	0.79	0.0	3.879	0.047	7	2	2	417
PL.52498	PL.38004	ABC	336 MCM AC	7.21Y	120.2	0.08	4.78	140.62	27	2893	950	95	1.24	0.0	3.954	0.075	2	1	2	415
PL.52497	PL.52498	ABC	336 MCM AC	7.21Y	120.1	0.08	4.85	140.51	27	2890	947	95	1.17	0.0	4.024	0.071	0	0	0	413
PL.38002	PL.52497	ABC	336 MCM AC	7.20Y	120.1	0.08	4.93	140.51	27	2888	944	95	1.17	0.0	4.095	0.071	3	1	2	413

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Balanced Voltage Drop Report
Source: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.38001	PL.38002	ABC	336 MCM AC	7.20Y	120.0	0.04	4.97	140.38	27	2885	940	95	0.65	0.0	4.135	0.040	25	6	3	411
PL.38000	PL.38001	ABC	336 MCM AC	7.20Y	119.9	0.10	5.07	139.21	27	2859	933	95	1.50	0.1	4.226	0.092	0	0	0	408
PL.37998	PL.38000	ABC	336 MCM AC	7.19Y	119.9	0.05	5.13	138.35	27	2840	925	95	0.79	0.0	4.275	0.049	0	0	1	404
PL.37996	PL.37998	ABC	336 MCM AC	7.19Y	119.8	0.02	5.15	138.35	27	2839	923	95	0.34	0.0	4.296	0.021	0	0	0	403
PL.37481	PL.37996	A	6 A (CWC)	7.19Y	119.8	0.00	5.15	0.13	0	1	0	100	0.00	0.0	4.335	0.039	1	0	2	2
PL.37992	PL.37996	ABC	336 MCM AC	7.19Y	119.8	0.04	5.19	137.65	27	2824	919	95	0.53	0.0	4.330	0.033	0	0	0	398
PL.39116	PL.37992	ABC	336 MCM AC	7.18Y	119.7	0.09	5.28	70.82	14	1427	545	93	0.64	0.0	4.483	0.154	20	5	2	135
PL.36718	PL.39116	ABC	336 MCM AC	7.18Y	119.7	0.00	5.28	41.75	8	811	391	90	0.00	0.0	4.483	0.000	0	0	0	3
PD.6084	PL.36718	ABC	75QA	7.18Y	119.7	0.00	5.28	41.75	56	811	391	90	0.00	0.0	4.483	0.000	0	0	0	3
PL.36719	PD.6084	ABC	336 MCM AC	7.18Y	119.7	0.01	5.29	41.75	8	811	391	90	0.04	0.0	4.512	0.028	9	2	1	3
PL.64503	PL.36719	ABC	336 MCM AC	7.18Y	119.7	0.00	5.29	41.33	8	802	388	90	0.02	0.0	4.524	0.013	0	0	0	2
PD.9547	PL.64503	ABC	80T	7.18Y	119.7	0.00	5.29	41.33	0	802	388	90	0.00	0.0	4.524	0.013	0	0	0	2
PL.64504	PD.9547	ABC	#1/0 ACSR	7.18Y	119.7	0.00	5.29	41.33	18	802	388	90	0.00	0.0	4.525	0.001	802	388	2	2
PL.64505	PL.64504	ABC	#1/0 ACSR	7.18Y	119.7	0.00	5.29	0.00	0	0	0	100	0.00	0.0	4.586	0.061	0	0	0	0
PL.64498	PL.64505	ABC	#1/0 ACSR	7.18Y	119.7	0.00	5.29	0.00	0	0	0	100	0.00	0.0	4.638	0.052	0	0	0	0
PL.64499	PL.64498	ABC	#1/0 ACSR	7.18Y	119.7	0.00	5.29	0.00	0	0	0	100	0.00	0.0	4.640	0.003	0	0	0	0
PL.64500	PL.64499	ABC	#1/0 ACSR	7.18Y	119.7	0.00	5.29	0.00	0	0	0	100	0.00	0.0	4.654	0.014	0	0	0	0
PL.64501	PL.64500	ABC	#1/0 ACSR	7.18Y	119.7	0.00	5.29	0.00	0	0	0	100	0.00	0.0	4.658	0.004	0	0	0	0
PL.64502	PL.64501	ABC	#1/0 ACSR	7.18Y	119.7	0.00	5.29	0.00	0	0	0	100	0.00	0.0	4.661	0.003	0	0	0	0
CP.104	PL.64498	ABC	Cap (450)	7.18Y	119.7	0.00	5.29	0.00	0	0	0	100	0.00	0.0	4.638	0.003	0	0	0	0
PL.39117	PL.39116	ABC	336 MCM AC	7.18Y	119.7	0.02	5.29	28.47	5	595	148	97	0.06	0.0	4.576	0.093	0	0	0	130
PL.39118	PL.39117	A	#4 ACSR	7.18Y	119.7	0.00	5.29	0.00	0	0	0	100	0.00	0.0	4.577	0.001	0	0	0	0
PD.6005	PL.39118	A	75QA	7.18Y	119.7	0.00	5.29	0.00	0	0	0	100	0.00	0.0	4.577	0.001	0	0	0	0
PL.39119	PD.6005	A	#4 ACSR	7.18Y	119.7	0.00	5.29	0.00	0	0	0	100	0.00	0.0	4.626	0.049	0	0	0	0
PL.38876	PL.39117	ABC	336 MCM AC	7.18Y	119.7	0.04	5.34	28.47	5	595	148	97	0.14	0.0	4.788	0.212	0	0	0	130
PL.38879	PL.38876	ABC	336 MCM AC	7.18Y	119.6	0.01	5.35	28.47	5	595	147	97	0.04	0.0	4.850	0.061	0	0	0	130
PL.38880	PL.38879	ABC	336 MCM AC	7.18Y	119.6	0.06	5.41	28.37	5	593	147	97	0.21	0.0	5.160	0.311	0	0	1	129
PL.37087	PL.38880	A	#4 ACSR	7.17Y	119.6	0.01	5.42	16.13	12	112	28	97	0.01	0.0	5.177	0.016	0	0	0	30
PL.37661	PL.37087	A	#4 ACSR	7.17Y	119.6	0.00	5.43	16.13	12	112	28	97	0.00	0.0	5.177	0.000	0	0	0	30
PD.6088	PL.37661	A	35L	7.17Y	119.6	0.00	5.43	16.13	46	112	28	97	0.00	0.0	5.177	0.000	0	0	0	30
PL.38881	PD.6088	A	#4 ACSR	7.17Y	119.5	0.05	5.48	16.13	12	112	28	97	0.05	0.0	5.249	0.072	0	0	1	30

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: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.38416	PL.38881	A	#4 ACSR	7.16Y	119.4	0.17	5.65	16.12	12	112	28	97	0.15	0.1	5.492	0.243	5	1	4	29
PL.39227	PL.38416	A	#4 ACSR	7.16Y	119.3	0.08	5.73	15.34	12	107	26	97	0.07	0.1	5.617	0.125	0	0	0	25
PL.39223	PL.39227	A	#4 ACSR	7.15Y	119.2	0.09	5.82	15.34	12	107	26	97	0.08	0.1	5.752	0.135	0	0	1	25
PL.39224	PL.39223	A	#4 ACSR	7.15Y	119.1	0.04	5.86	15.34	12	107	26	97	0.04	0.0	5.814	0.063	0	0	1	24
PL.38865	PL.39224	A	#4 ACSR	7.14Y	119.0	0.10	5.96	15.34	12	106	26	97	0.08	0.1	5.960	0.146	0	0	0	23
PL.38223	PL.38865	A	#4 ACSR	7.14Y	119.0	0.07	6.03	15.34	12	106	26	97	0.06	0.1	6.063	0.102	0	0	0	23
PL.37887	PL.38223	A	#4 ACSR	7.14Y	119.0	0.00	6.03	1.15	1	8	2	97	0.00	0.0	6.146	0.084	8	2	2	2
PL.38866	PL.38223	A	#4 ACSR	7.13Y	118.9	0.10	6.13	14.19	11	98	24	97	0.07	0.1	6.223	0.160	9	2	1	21
PL.38867	PL.38866	A	#4 ACSR	7.12Y	118.7	0.15	6.28	12.92	10	89	22	97	0.11	0.1	6.486	0.263	0	0	0	20
PL.38868	PL.38867	A	#4 ACSR	7.12Y	118.6	0.13	6.41	12.92	10	89	22	97	0.09	0.1	6.723	0.237	9	2	2	20
PL.38869	PL.38868	A	#4 ACSR	7.12Y	118.6	0.01	6.41	6.77	5	47	11	97	0.00	0.0	6.748	0.025	2	0	1	14
PL.38947	PL.38869	A	#4 ACSR	7.11Y	118.5	0.04	6.46	6.52	5	45	11	97	0.01	0.0	6.889	0.141	0	0	0	13
PL.38875	PL.38947	A	#4 ACSR	7.11Y	118.5	0.03	6.48	3.97	3	27	7	97	0.01	0.0	7.095	0.206	11	3	4	7
PL.38949	PL.38875	A	#4 ACSR	7.11Y	118.5	0.01	6.49	2.42	2	17	4	97	0.00	0.0	7.184	0.089	7	2	1	3
PL.38950	PL.38949	A	#4 ACSR	7.11Y	118.5	0.00	6.50	1.43	1	10	2	98	0.00	0.0	7.292	0.108	10	2	2	2
PL.38948	PL.38947	A	#4 ACSR	7.11Y	118.5	0.01	6.46	2.55	2	18	4	98	0.00	0.0	6.955	0.066	0	0	0	6
PL.38873	PL.38948	A	#4 ACSR	7.11Y	118.5	0.00	6.46	1.88	1	13	3	97	0.00	0.0	6.997	0.042	13	3	3	4
PL.38874	PL.38873	A	#4 ACSR	7.11Y	118.5	0.00	6.46	0.06	0	0	0	100	0.00	0.0	7.096	0.099	0	0	1	1
PL.38872	PL.38948	A	#4 ACSR	7.11Y	118.5	0.01	6.47	0.67	1	5	1	98	0.00	0.0	7.140	0.185	0	0	0	2
PL.37666	PL.38872	A	#4 ACSR	7.11Y	118.5	0.00	6.47	0.67	1	5	1	98	0.00	0.0	7.245	0.105	5	1	1	2
PL.61390	PL.37666	A	#4 ACSR	7.11Y	118.5	0.00	6.47	0.00	0	0	0	100	0.00	0.0	7.295	0.049	0	0	0	1
PL.61399	PL.61390	A	#1/0 ACSR	7.11Y	118.5	0.00	6.47	0.00	0	0	0	100	0.00	0.0	7.389	0.094	0	0	1	1
PL.61400	PL.61399	A	#1/0 ACSR	7.11Y	118.5	0.00	6.47	0.00	0	0	0	100	0.00	0.0	7.699	0.310	0	0	0	0
PL.38870	PL.38868	A	#4 ACSR	7.11Y	118.6	0.02	6.43	4.85	4	34	8	97	0.01	0.0	6.846	0.123	9	2	1	4
PL.37273	PL.38870	A	#4 ACSR	7.11Y	118.6	0.01	6.44	3.56	3	25	6	97	0.00	0.0	6.915	0.069	12	3	2	3
PL.38224	PL.37273	A	#4 ACSR	7.11Y	118.6	0.00	6.44	1.85	1	13	3	97	0.00	0.0	6.967	0.052	13	3	1	1
PL.38871	PL.38224	A	#4 ACSR	7.11Y	118.6	0.00	6.44	0.00	0	0	0	100	0.00	0.0	7.003	0.036	0	0	0	0
PL.37374	PL.39227	A	#4 ACSR	7.16Y	119.3	0.00	5.73	0.00	0	0	0	100	0.00	0.0	5.652	0.035	0	0	0	0
PL.37681	PL.38880	C	#4 ACSR	7.18Y	119.6	0.00	5.41	0.00	0	0	0	100	0.00	0.0	5.161	0.000	0	0	0	0
PD.6052	PL.37681	C	75QA	7.18Y	119.6	0.00	5.41	0.00	0	0	0	100	0.00	0.0	5.161	0.000	0	0	0	0
PL.37682	PD.6052	C	#4 ACSR	7.18Y	119.6	0.00	5.41	0.00	0	0	0	100	0.00	0.0	5.198	0.037	0	0	0	0

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Balanced Voltage Drop Report
Source: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.38882	PL.38880	ABC	336 MCM AC	7.17Y	119.6	0.01	5.43	22.97	4	480	118	97	0.03	0.0	5.236	0.075	0	0	0	98
PL.38883	PL.38882	ABC	336 MCM AC	7.17Y	119.6	0.01	5.43	22.97	4	480	118	97	0.02	0.0	5.271	0.036	10	2	1	98
PL.37665	PL.38883	ABC	336 MCM AC	7.17Y	119.6	0.00	5.43	0.59	0	12	3	97	0.00	0.0	5.311	0.040	1	0	1	3
PL.38888	PL.37665	ABC	336 MCM AC	7.17Y	119.6	0.00	5.43	0.56	0	12	3	97	0.00	0.0	5.468	0.156	0	0	0	2
PL.38889	PL.38888	ABC	336 MCM AC	7.17Y	119.6	0.00	5.43	0.29	0	6	1	99	0.00	0.0	5.628	0.161	0	0	0	1
PL.37808	PL.38889	A	#4 ACSR	7.17Y	119.6	0.00	5.43	0.86	1	6	1	99	0.00	0.0	5.630	0.001	0	0	0	1
PD.5230	PL.37808	A	75QA	7.17Y	119.6	0.00	5.43	0.86	1	6	1	99	0.00	0.0	5.630	0.001	0	0	0	1
PL.37475	PD.5230	A	#4 ACSR	7.17Y	119.6	0.00	5.43	0.86	1	6	1	99	0.00	0.0	5.700	0.070	6	1	1	1
PL.37809	PL.37475	A	#4 ACSR	7.17Y	119.6	0.00	5.43	0.00	0	0	0	100	0.00	0.0	5.820	0.120	0	0	0	0
PL.37474	PL.38889	ABC	336 MCM AC	7.17Y	119.6	0.00	5.43	0.00	0	0	0	100	0.00	0.0	5.673	0.044	0	0	0	0
PL.30476	PL.37474	ABC	336 MCM AC	7.17Y	119.6	0.00	5.43	0.00	0	0	0	100	0.00	0.0	5.676	0.003	0	0	0	0
PD.4261-A	PL.30476	ABC	Open	7.17Y	119.6	0.00	5.43	0.00	0	0	0	100	0.00	0.0	5.676	0.003	0	0	0	0
PL.38890	PL.38888	C	#2 ACSR	7.17Y	119.6	0.00	5.43	0.83	0	6	1	99	0.00	0.0	5.469	0.001	0	0	0	1
PD.6009	PL.38890	C	40QA	7.17Y	119.6	0.00	5.43	0.83	2	6	1	99	0.00	0.0	5.469	0.001	0	0	0	1
PL.38891	PD.6009	C	#2 ACSR	7.17Y	119.6	0.00	5.43	0.83	0	6	1	99	0.00	0.0	5.553	0.085	6	1	1	1
PL.37216	PL.38883	ABC	#1/0 ACSR	7.17Y	119.6	0.00	5.43	21.93	10	458	113	97	0.01	0.0	5.280	0.009	0	0	0	94
PL.38884	PL.37216	ABC	#1/0 ACSR	7.17Y	119.6	0.00	5.43	21.93	10	458	113	97	0.00	0.0	5.280	0.000	0	0	0	94
PD.5914	PL.38884	ABC	50L	7.17Y	119.6	0.00	5.43	21.93	44	458	113	97	0.00	0.0	5.280	0.000	0	0	0	94
PL.37662	PD.5914	ABC	#1/0 ACSR	7.17Y	119.5	0.02	5.45	21.93	10	458	113	97	0.06	0.0	5.326	0.046	0	0	0	94
PL.38892	PL.37662	ABC	#1/0 ACSR	7.17Y	119.5	0.02	5.47	21.92	10	458	113	97	0.07	0.0	5.380	0.054	0	0	0	93
PL.38256	PL.38892	ABC	#1/0 ACSR	7.17Y	119.5	0.03	5.50	21.91	10	458	113	97	0.10	0.0	5.458	0.077	0	0	0	92
PL.38255	PL.38256	B	#1/0 ACSR	7.17Y	119.5	0.00	5.50	1.42	1	10	2	98	0.00	0.0	5.505	0.048	10	2	2	2
PL.38257	PL.38256	ABC	#1/0 ACSR	7.17Y	119.5	0.02	5.53	21.43	9	448	110	97	0.07	0.0	5.515	0.058	0	0	0	90
PL.38253	PL.38257	B	#1/0 ACSR	7.17Y	119.5	0.00	5.53	1.96	1	14	3	98	0.00	0.0	5.518	0.003	0	0	0	2
PD.5228	PL.38253	B	25QA	7.17Y	119.5	0.00	5.53	1.96	8	14	3	98	0.00	0.0	5.518	0.003	0	0	0	2
PL.38254	PD.5228	B	#1/0 ACSR	7.17Y	119.5	0.00	5.53	1.96	1	14	3	98	0.00	0.0	5.700	0.182	14	3	2	2
PL.38885	PL.38257	ABC	#1/0 ACSR	7.17Y	119.5	0.02	5.55	20.78	9	434	107	97	0.07	0.0	5.579	0.064	0	0	0	88
PL.38893	PL.38885	C	#2 ACSR	7.17Y	119.5	0.00	5.55	1.17	1	8	2	97	0.00	0.0	5.580	0.001	0	0	0	2
PD.5227	PL.38893	C	25QA	7.17Y	119.5	0.00	5.55	1.17	5	8	2	97	0.00	0.0	5.580	0.001	0	0	0	2
PL.38894	PD.5227	C	#2 ACSR	7.17Y	119.5	0.00	5.55	1.17	1	8	2	97	0.00	0.0	5.588	0.008	2	1	1	2
PL.38887	PL.38894	C	#2 ACSR	7.17Y	119.4	0.00	5.55	0.87	0	6	1	99	0.00	0.0	5.617	0.029	6	1	1	1

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

Balanced Voltage Drop Report
Source: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.38886	PL.38885	ABC	#1/0 ACSR	7.17Y	119.4	0.03	5.58	20.39	9	426	105	97	0.08	0.0	5.655	0.076	0	0	0	86
PL.38405	PL.38886	ABC	#1/0 ACSR	7.16Y	119.4	0.02	5.60	20.39	9	426	105	97	0.07	0.0	5.718	0.063	0	0	0	86
PL.37667	PL.38405	B	6 A (CWC)	7.16Y	119.4	0.00	5.60	10.09	7	70	17	97	0.00	0.0	5.719	0.000	0	0	0	15
PD.5226	PL.37667	B	25QA	7.16Y	119.4	0.00	5.60	10.09	40	70	17	97	0.00	0.0	5.719	0.000	0	0	0	15
PL.37843	PD.5226	B	6 A (CWC)	7.16Y	119.4	0.01	5.61	10.09	7	70	17	97	0.00	0.0	5.731	0.013	0	0	0	15
PL.37844	PL.37843	B	6 A (CWC)	7.16Y	119.4	0.01	5.61	10.09	7	70	17	97	0.00	0.0	5.749	0.018	0	0	0	15
PL.38951	PL.37844	B	6 A (CWC)	7.16Y	119.3	0.04	5.66	10.09	7	70	17	97	0.02	0.0	5.848	0.099	8	2	1	15
PL.38952	PL.38951	B	6 A (CWC)	7.16Y	119.3	0.02	5.68	8.99	6	63	15	97	0.01	0.0	5.896	0.048	7	2	1	14
PL.38953	PL.38952	B	6 A (CWC)	7.16Y	119.3	0.02	5.70	7.57	5	53	13	97	0.01	0.0	5.985	0.088	22	5	4	12
PL.38956	PL.38953	B	6 A (CWC)	7.16Y	119.3	0.00	5.70	0.50	0	3	1	95	0.00	0.0	6.065	0.081	0	0	0	2
PL.38957	PL.38956	B	6 A (CWC)	7.16Y	119.3	0.00	5.70	0.50	0	3	1	95	0.00	0.0	6.148	0.082	3	1	2	2
PL.38954	PL.38953	B	6 A (CWC)	7.16Y	119.3	0.00	5.70	1.47	1	10	2	98	0.00	0.0	6.031	0.046	6	1	1	2
PL.38955	PL.38954	B	6 A (CWC)	7.16Y	119.3	0.00	5.70	0.61	0	4	1	97	0.00	0.0	6.093	0.062	4	1	1	1
PL.37688	PL.38953	B	6 A (CWC)	7.16Y	119.3	0.00	5.70	2.40	2	17	4	97	0.00	0.0	6.038	0.054	17	4	2	4
PL.37689	PL.37688	B	6 A (CWC)	7.16Y	119.3	0.00	5.70	0.00	0	0	0	100	0.00	0.0	6.095	0.056	0	0	2	2
PL.36720	PL.38952	B	6 A (CWC)	7.16Y	119.3	0.00	5.68	0.35	0	2	1	89	0.00	0.0	5.958	0.061	2	1	1	1
PL.37766	PL.38405	ABC	#1/0 ACSR	7.16Y	119.4	0.04	5.64	17.03	7	355	88	97	0.11	0.0	5.857	0.139	0	0	0	71
PL.37690	PL.37766	A	#2 ACSR	7.16Y	119.4	0.00	5.64	0.81	0	6	1	99	0.00	0.0	5.858	0.001	0	0	0	2
PD.5225	PL.37690	A	25QA	7.16Y	119.4	0.00	5.64	0.81	3	6	1	99	0.00	0.0	5.858	0.001	0	0	0	2
PL.37691	PD.5225	A	#2 ACSR	7.16Y	119.4	0.00	5.64	0.81	0	6	1	99	0.00	0.0	5.879	0.021	6	1	2	2
PL.38958	PL.37766	ABC	#1/0 ACSR	7.16Y	119.4	0.01	5.65	10.78	5	225	56	97	0.01	0.0	5.886	0.029	0	0	0	43
PL.38959	PL.38958	ABC	#1/0 ACSR	7.16Y	119.3	0.01	5.65	10.78	5	225	56	97	0.01	0.0	5.918	0.032	0	0	0	43
PL.39229	PL.38959	B	#4 ACSR	7.16Y	119.3	0.00	5.66	32.34	25	225	56	97	0.00	0.0	5.919	0.001	0	0	0	43
PD.6008	PL.39229	B	50QA	7.16Y	119.3	0.00	5.66	32.34	65	225	56	97	0.00	0.0	5.919	0.001	0	0	0	43
PL.39230	PD.6008	B	#4 ACSR	7.16Y	119.3	0.05	5.71	32.34	25	225	56	97	0.09	0.0	5.956	0.037	4	1	1	43
PL.38417	PL.39230	B	#4 ACSR	7.15Y	119.2	0.14	5.84	31.71	24	220	55	97	0.23	0.1	6.056	0.100	16	4	3	42
PL.39231	PL.38417	B	#4 ACSR	7.14Y	119.0	0.14	5.98	29.34	23	204	50	97	0.22	0.1	6.163	0.107	0	0	0	39
PL.37825	PL.39231	B	#4 ACSR	7.14Y	119.0	0.00	5.98	2.00	2	14	3	98	0.00	0.0	6.223	0.060	14	3	2	2
PL.39232	PL.39231	B	#4 ACSR	7.14Y	118.9	0.07	6.05	27.34	21	190	47	97	0.11	0.1	6.223	0.060	0	0	0	37
PL.39233	PL.39232	B	#4 ACSR	7.13Y	118.8	0.12	6.17	27.34	21	189	47	97	0.17	0.1	6.320	0.097	0	0	1	37
REG84	PL.39233	B	76.2 KVA	7.50Y	125.1	-6.25	-0.08	27.34	27	189	47	97	percent Boost= 0.00 Tap= 0.0							36

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: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.39234	REG84	B	#4 ACSR	7.50Y	125.0	0.06	-0.02	25.97	20	189	47	97	0.09	0.0	6.376	0.056	3	1	1	36
PL.39235	PL.39234	B	#4 ACSR	7.49Y	124.8	0.21	0.19	23.77	18	173	43	97	0.26	0.2	6.574	0.199	7	2	1	34
PL.39236	PL.39235	B	#4 ACSR	7.48Y	124.7	0.08	0.27	22.83	18	166	41	97	0.10	0.1	6.655	0.080	0	0	0	32
PL.39237	PL.39236	B	#4 ACSR	7.46Y	124.4	0.34	0.60	21.62	17	157	39	97	0.39	0.2	7.020	0.365	11	3	2	31
PL.39238	PL.39237	B	#4 ACSR	7.44Y	124.1	0.33	0.93	20.12	15	146	36	97	0.36	0.2	7.386	0.366	0	0	0	29
PL.39239	PL.39238	B	#4 ACSR	7.43Y	123.9	0.16	1.09	20.12	15	145	36	97	0.18	0.1	7.571	0.185	0	0	0	29
PL.37226	PL.39239	B	#4 ACSR	7.43Y	123.9	0.00	1.09	0.00	0	0	0	100	0.00	0.0	7.641	0.071	0	0	0	0
PL.39240	PL.39239	B	#4 ACSR	7.43Y	123.8	0.07	1.16	20.12	15	145	36	97	0.08	0.1	7.650	0.079	0	0	0	29
PL.37298	PL.39240	B	#4 ACSR	7.43Y	123.8	0.00	1.17	2.51	2	18	4	98	0.00	0.0	7.698	0.048	18	4	2	2
PL.39241	PL.39240	B	#4 ACSR	7.43Y	123.8	0.07	1.24	17.62	14	127	31	97	0.07	0.1	7.744	0.094	0	0	0	27
PL.37877	PL.39241	B	6 A (CWC)	7.41Y	123.6	0.19	1.42	17.62	13	127	31	97	0.18	0.1	7.976	0.232	0	0	0	27
PL.39242	PL.37877	B	6 A (CWC)	7.41Y	123.6	0.00	1.43	8.44	6	61	15	97	0.00	0.0	7.982	0.006	0	0	0	11
PD.6019	PL.39242	B	40QA	7.41Y	123.6	0.00	1.43	8.44	21	61	15	97	0.00	0.0	7.982	0.006	0	0	0	11
PL.39243	PD.6019	B	6 A (CWC)	7.41Y	123.5	0.04	1.46	8.44	6	61	15	97	0.02	0.0	8.081	0.099	8	2	2	11
PL.38403	PL.39243	B	6 A (CWC)	7.41Y	123.4	0.09	1.55	7.34	5	53	13	97	0.03	0.1	8.411	0.330	19	5	2	9
PL.38404	PL.38403	B	6 A (CWC)	7.41Y	123.4	0.01	1.56	4.70	3	34	8	97	0.00	0.0	8.464	0.052	0	0	0	7
PL.37291	PL.38404	B	#4 ACSR	7.41Y	123.4	0.00	1.56	0.20	0	1	0	100	0.00	0.0	8.517	0.054	1	0	1	1
PL.39306	PL.38404	B	6 A (CWC)	7.40Y	123.4	0.06	1.62	4.49	3	32	8	97	0.01	0.0	8.748	0.284	2	0	1	6
PL.39307	PL.39306	B	6 A (CWC)	7.40Y	123.4	0.03	1.65	4.26	3	31	7	98	0.01	0.0	8.926	0.179	11	3	2	5
PL.38652	PL.39307	B	6 A (CWC)	7.40Y	123.3	0.02	1.66	2.69	2	19	5	97	0.00	0.0	9.081	0.155	3	1	1	3
PL.61386	PL.38652	B	6 A (CWC)	7.40Y	123.3	0.00	1.67	2.30	2	17	4	97	0.00	0.0	9.155	0.074	13	3	1	2
PL.61387	PL.61386	B	6 A (CWC)	7.40Y	123.3	0.00	1.67	0.56	0	4	1	97	0.00	0.0	9.323	0.168	4	1	1	1
PL.39244	PL.37877	B	6 A (CWC)	7.41Y	123.5	0.07	1.49	9.18	7	66	16	97	0.03	0.0	8.134	0.158	0	0	0	16
PL.39245	PL.39244	B	6 A (CWC)	7.41Y	123.5	0.05	1.54	9.18	7	66	16	97	0.02	0.0	8.264	0.131	7	2	1	16
PL.39246	PL.39245	B	6 A (CWC)	7.41Y	123.4	0.02	1.56	8.22	6	59	14	97	0.01	0.0	8.325	0.061	2	1	1	15
PL.38895	PL.39246	B	6 A (CWC)	7.40Y	123.4	0.04	1.60	7.90	6	57	14	97	0.02	0.0	8.439	0.113	7	2	3	14
PL.38896	PL.38895	B	6 A (CWC)	7.40Y	123.4	0.02	1.62	6.88	5	50	12	97	0.01	0.0	8.526	0.087	20	5	6	11
PL.38897	PL.38896	B	6 A (CWC)	7.40Y	123.4	0.02	1.64	4.09	3	29	7	97	0.00	0.0	8.623	0.098	10	2	2	5
PL.38898	PL.38897	B	6 A (CWC)	7.40Y	123.4	0.01	1.64	2.01	1	14	4	96	0.00	0.0	8.747	0.123	14	4	2	2
PL.39228	PL.38898	B	6 A (CWC)	7.40Y	123.4	0.00	1.64	0.00	0	0	0	100	0.00	0.0	8.827	0.080	0	0	0	0
PL.51770	PL.39228	B	6 A (CWC)	7.40Y	123.4	0.00	1.64	0.00	0	0	0	100	0.00	0.0	8.830	0.003	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: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% 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.5966-B	PL.51770	B	Open	7.40Y	123.4	0.00	1.64	0.00	0	0	0	100	0.00	0.0	8.830	0.003	0	0	0	0
PL.38203	PL.39228	B	6 A (CWC)	7.40Y	123.4	0.00	1.64	0.00	0	0	0	100	0.00	0.0	8.832	0.005	0	0	0	0
PD.5915-B	PL.38203	B	Open	7.40Y	123.4	0.00	1.64	0.00	0	0	0	100	0.00	0.0	8.832	0.005	0	0	0	0
PL.37657	PL.38897	B	6 A (CWC)	7.40Y	123.4	0.00	1.64	0.72	1	5	1	98	0.00	0.0	8.723	0.100	5	1	1	1
PL.37798	PL.39236	B	#4 ACSR	7.48Y	124.7	0.00	0.27	1.21	1	9	2	98	0.00	0.0	6.699	0.044	9	2	1	1
PL.37225	PL.39235	B	#4 ACSR	7.49Y	124.8	0.00	0.19	0.01	0	0	0	100	0.00	0.0	6.679	0.104	0	0	1	1
PL.37408	PL.39234	B	#4 ACSR	7.50Y	125.0	0.00	-0.02	1.80	1	13	3	97	0.00	0.0	6.445	0.070	13	3	1	1
PL.37692	PL.37766	B	6 A (CWC)	7.16Y	119.3	0.02	5.66	17.93	13	125	30	97	0.02	0.0	5.884	0.026	19	5	5	26
PL.39305	PL.37692	B	6 A (CWC)	7.16Y	119.3	0.06	5.72	15.26	11	106	26	97	0.05	0.0	5.971	0.087	0	0	1	21
PL.38649	PL.39305	B	6 A (CWC)	7.15Y	119.2	0.03	5.75	15.26	11	106	26	97	0.03	0.0	6.019	0.048	4	1	3	20
PL.39304	PL.38649	B	6 A (CWC)	7.15Y	119.2	0.04	5.79	13.51	10	94	23	97	0.03	0.0	6.091	0.072	19	5	1	15
PL.37695	PL.39304	B	6 A (CWC)	7.15Y	119.2	0.04	5.83	10.81	8	75	18	97	0.02	0.0	6.171	0.080	0	0	0	14
PL.37224	PL.37695	B	#4 ACSR	7.15Y	119.2	0.00	5.83	0.00	0	0	0	100	0.00	0.0	6.250	0.079	0	0	0	0
PL.39303	PL.37695	B	6 A (CWC)	7.15Y	119.1	0.06	5.90	10.81	8	75	18	97	0.04	0.0	6.297	0.126	0	0	0	14
PL.37995	PL.39303	B	#4 ACSR	7.14Y	119.1	0.03	5.93	7.78	6	54	13	97	0.01	0.0	6.395	0.099	5	1	2	10
PL.37728	PL.37995	B	6 A (CWC)	7.14Y	119.1	0.00	5.93	0.00	0	0	0	100	0.00	0.0	6.527	0.132	0	0	0	0
PL.37237	PL.37995	B	#4 ACSR	7.14Y	119.0	0.03	5.96	7.12	5	49	12	97	0.01	0.0	6.514	0.118	12	3	2	8
PL.39291	PL.37237	B	#4 ACSR	7.14Y	119.0	0.02	5.98	5.37	4	37	9	97	0.00	0.0	6.595	0.082	6	1	1	6
PL.39292	PL.39291	B	#4 ACSR	7.14Y	119.0	0.02	6.00	4.52	3	31	8	97	0.00	0.0	6.723	0.128	10	2	2	5
PL.39293	PL.39292	B	#4 ACSR	7.14Y	119.0	0.01	6.01	3.14	2	22	5	98	0.00	0.0	6.774	0.051	0	0	0	3
PL.39296	PL.39293	B	#4 ACSR	7.14Y	119.0	0.01	6.01	1.32	1	9	2	98	0.00	0.0	6.907	0.133	0	0	0	1
PL.56963	PL.39296	B	#4 ACSR	7.14Y	119.0	0.00	6.01	0.00	0	0	0	100	0.00	0.0	6.962	0.055	0	0	0	0
PL.37238	PL.39296	B	#4 ACSR	7.14Y	119.0	0.00	6.02	1.32	1	9	2	98	0.00	0.0	7.046	0.139	9	2	1	1
PL.39297	PL.37238	B	#4 ACSR	7.14Y	119.0	0.00	6.02	0.00	0	0	0	100	0.00	0.0	7.158	0.112	0	0	0	0
PL.39298	PL.39297	B	#4 ACSR	7.14Y	119.0	0.00	6.02	0.00	0	0	0	100	0.00	0.0	7.250	0.092	0	0	0	0
PL.39299	PL.39297	B	#4 ACSR	7.14Y	119.0	0.00	6.02	0.00	0	0	0	100	0.00	0.0	7.248	0.090	0	0	0	0
PL.39300	PL.39299	B	#4 ACSR	7.14Y	119.0	0.00	6.02	0.00	0	0	0	100	0.00	0.0	7.266	0.018	0	0	0	0
PL.39294	PL.39293	B	#4 ACSR	7.14Y	119.0	0.01	6.01	1.82	1	13	3	97	0.00	0.0	6.872	0.098	0	0	0	2
PL.39295	PL.39294	B	#4 ACSR	7.14Y	119.0	0.00	6.02	1.82	1	13	3	97	0.00	0.0	6.985	0.113	13	3	2	2
PL.39301	PL.39303	B	#4 ACSR	7.15Y	119.1	0.02	5.91	3.02	2	21	5	97	0.00	0.0	6.467	0.170	10	2	2	4
PL.39302	PL.39301	B	#4 ACSR	7.15Y	119.1	0.00	5.92	1.62	1	11	3	96	0.00	0.0	6.548	0.081	11	3	2	2

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Balanced Voltage Drop Report
Source: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.37223	PL.38649	B	#4 ACSR	7.15Y	119.2	0.00	5.76	1.19	1	8	2	97	0.00	0.0	6.072	0.053	8	2	2	2
PL.37387	PL.38892	B	#2 ACSR	7.17Y	119.5	0.00	5.47	0.03	0	0	0	100	0.00	0.0	5.399	0.019	0	0	1	1
PL.37663	PL.37662	A	#2 ACSR	7.17Y	119.5	0.00	5.45	0.03	0	0	0	100	0.00	0.0	5.327	0.001	0	0	0	1
PD.5229	PL.37663	A	25QA	7.17Y	119.5	0.00	5.45	0.03	0	0	0	100	0.00	0.0	5.327	0.001	0	0	0	1
PL.37664	PD.5229	A	#2 ACSR	7.17Y	119.5	0.00	5.45	0.03	0	0	0	100	0.00	0.0	5.342	0.015	0	0	1	1
PL.37222	PL.38879	A	#4 ACSR	7.18Y	119.6	0.00	5.35	0.30	0	2	1	89	0.00	0.0	4.877	0.027	2	1	1	1
PL.38877	PL.38876	A	#4 ACSR	7.18Y	119.7	0.00	5.34	0.00	0	0	0	100	0.00	0.0	4.811	0.023	0	0	0	0
PL.38878	PL.38877	A	#4 ACSR	7.18Y	119.7	0.00	5.34	0.00	0	0	0	100	0.00	0.0	4.839	0.028	0	0	0	0
PL.37101	PL.37992	ABC	#1/0 ACSR	7.19Y	119.8	0.04	5.23	67.01	29	1396	373	97	0.40	0.0	4.363	0.034	0	0	0	263
PD.6086	PL.37101	ABC	100L	7.19Y	119.8	0.00	5.23	67.01	67	1396	372	97	0.00	0.0	4.363	0.034	0	0	0	263
PL.37102	PD.6086	ABC	#1/0 ACSR	7.19Y	119.8	0.00	5.23	67.01	29	1396	372	97	0.00	0.0	4.364	0.000	0	0	0	263
PL.37990	PL.37102	ABC	#1/0 ACSR	7.19Y	119.8	0.01	5.24	67.01	29	1396	372	97	0.09	0.0	4.372	0.008	8	2	1	263
PL.37991	PL.37990	ABC	#1/0 ACSR	7.18Y	119.7	0.04	5.27	66.61	29	1387	370	97	0.35	0.0	4.401	0.030	0	0	0	262
PL.37988	PL.37991	A	6 A (CWC)	7.18Y	119.7	0.00	5.27	2.99	2	21	5	97	0.00	0.0	4.402	0.001	0	0	0	5
PD.5977	PL.37988	A	40QA	7.18Y	119.7	0.00	5.27	2.99	7	21	5	97	0.00	0.0	4.402	0.001	0	0	0	5
PL.37989	PD.5977	A	6 A (CWC)	7.18Y	119.7	0.01	5.28	2.99	2	21	5	97	0.00	0.0	4.489	0.087	0	0	0	5
PL.37819	PL.37989	A	6 A (CWC)	7.18Y	119.7	0.03	5.31	2.99	2	21	5	97	0.00	0.0	4.711	0.222	0	0	0	5
PL.37994	PL.37819	A	6 A (CWC)	7.18Y	119.7	0.01	5.33	2.99	2	21	5	97	0.00	0.0	4.812	0.101	6	2	1	5
PL.38520	PL.37994	A	6 A (CWC)	7.18Y	119.7	0.01	5.34	2.09	1	15	4	97	0.00	0.0	4.925	0.113	0	0	2	4
PL.38541	PL.38520	A	6 A (CWC)	7.18Y	119.7	0.01	5.34	2.06	1	14	3	98	0.00	0.0	5.043	0.118	14	3	2	2
PL.37212	PL.37819	A	6 A (CWC)	7.18Y	119.7	0.00	5.31	0.00	0	0	0	100	0.00	0.0	4.800	0.089	0	0	0	0
PL.57225	PL.37991	ABC	#1/0 ACSR	7.18Y	119.6	0.09	5.36	65.61	29	1366	365	97	0.88	0.1	4.477	0.076	0	0	0	257
PL.57226	PL.57225	ABC	#1/0 ACSR	7.17Y	119.4	0.21	5.57	65.25	28	1358	362	97	2.04	0.2	4.659	0.181	10	3	1	256
PL.37696	PL.57226	ABC	1/0 AL URD	7.17Y	119.4	0.00	5.57	4.43	3	86	41	90	0.00	0.0	4.687	0.028	86	41	1	1
PL.37759	PL.57226	ABC	#1/0 ACSR	7.16Y	119.3	0.08	5.65	60.42	26	1260	316	97	0.73	0.1	4.734	0.075	0	0	0	254
PL.36725	PL.37759	B	#4 ACSR	7.16Y	119.3	0.00	5.65	0.02	0	0	0	100	0.00	0.0	4.830	0.096	0	0	0	1
PL.64301	PL.36725	B	#4 ACSR	7.16Y	119.3	0.00	5.65	0.02	0	0	0	100	0.00	0.0	4.874	0.044	0	0	1	1
PL.37758	PL.37759	ABC	#1/0 ACSR	7.16Y	119.3	0.06	5.71	60.41	26	1259	316	97	0.50	0.0	4.786	0.052	0	0	0	253
PL.37984	PL.37758	ABC	#1/0 ACSR	7.15Y	119.2	0.06	5.77	59.02	26	1229	308	97	0.56	0.0	4.848	0.063	55	13	3	251
PL.38431	PL.37984	A	6 A (CWC)	7.15Y	119.2	0.00	5.77	2.46	2	17	4	97	0.00	0.0	4.848	0.000	0	0	0	4
PD.6011	PL.38431	A	40QA	7.15Y	119.2	0.00	5.77	2.46	6	17	4	97	0.00	0.0	4.848	0.000	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: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.64451	PD.6011	A	6 A (CWC)	7.15Y	119.2	0.01	5.78	2.46	2	17	4	97	0.00	0.0	4.898	0.050	0	0	0	4
PL.64450	PL.64451	A	6 A (CWC)	7.15Y	119.2	0.00	5.78	2.04	1	14	3	98	0.00	0.0	4.962	0.064	14	3	2	2
PL.64449	PL.64451	A	6 A (CWC)	7.15Y	119.2	0.00	5.78	0.42	0	3	1	95	0.00	0.0	4.964	0.066	3	1	1	2
PL.64453	PL.64449	A	6 A (CWC)	7.15Y	119.2	0.00	5.78	0.00	0	0	0	100	0.00	0.0	4.995	0.030	0	0	1	1
PL.63068	PL.64453	A	6 A (CWC)	7.15Y	119.2	0.00	5.78	0.00	0	0	0	100	0.00	0.0	4.995	0.000	0	0	0	0
PL.63067	PL.63068	A	6 A (CWC)	7.15Y	119.2	0.00	5.78	0.00	0	0	0	100	0.00	0.0	5.154	0.159	0	0	0	0
PL.38259	PL.63067	A	6 A (CWC)	7.15Y	119.2	0.00	5.78	0.00	0	0	0	100	0.00	0.0	5.195	0.041	0	0	0	0
PL.64452	PL.64451	A	#2 ACSR	7.15Y	119.2	0.00	5.78	0.00	0	0	0	100	0.00	0.0	4.970	0.072	0	0	0	0
PL.37983	PL.64452	A	#2 ACSR	7.15Y	119.2	0.00	5.78	0.00	0	0	0	100	0.00	0.0	5.040	0.070	0	0	0	0
PL.38429	PL.37984	ABC	#1/0 ACSR	7.15Y	119.2	0.04	5.81	55.57	24	1157	290	97	0.32	0.0	4.887	0.039	0	0	1	244
PL.38430	PL.38429	ABC	#1/0 ACSR	7.15Y	119.1	0.04	5.86	55.57	24	1156	290	97	0.37	0.0	4.932	0.045	0	0	0	243
PL.37982	PL.38430	ABC	#1/0 ACSR	7.14Y	119.0	0.19	6.04	55.57	24	1156	289	97	1.55	0.1	5.120	0.188	4	1	1	243
PL.36876	PL.37982	ABC	#1/0 ACSR	7.13Y	118.9	0.10	6.14	55.39	24	1151	287	97	0.79	0.1	5.217	0.097	8	2	2	242
PL.58436	PL.36876	A	#4 ACSR	7.13Y	118.9	0.00	6.14	1.92	1	13	3	97	0.00	0.0	5.218	0.001	0	0	0	2
PD.8590	PL.58436	A	20T	7.13Y	118.9	0.00	6.14	1.92	0	13	3	97	0.00	0.0	5.218	0.001	0	0	0	2
PL.58437	PD.8590	A	#4 ACSR	7.13Y	118.9	0.00	6.14	1.92	1	13	3	97	0.00	0.0	5.262	0.044	13	3	2	2
PL.58435	PL.58437	A	#4 ACSR	7.13Y	118.9	0.00	6.14	0.00	0	0	0	100	0.00	0.0	5.391	0.129	0	0	0	0
PL.38503	PL.36876	ABC	#1/0 ACSR	7.12Y	118.6	0.22	6.36	54.34	24	1128	281	97	1.79	0.2	5.445	0.227	0	0	0	237
PL.38505	PL.38503	A	#4 ACSR	7.12Y	118.6	0.00	6.36	0.67	1	5	1	98	0.00	0.0	5.445	0.001	0	0	0	1
PD.6067	PL.38505	A	40QA	7.12Y	118.6	0.00	6.36	0.67	2	5	1	98	0.00	0.0	5.445	0.001	0	0	0	1
PL.38506	PD.6067	A	#4 ACSR	7.12Y	118.6	0.00	6.36	0.67	1	5	1	98	0.00	0.0	5.498	0.052	5	1	1	1
PL.38504	PL.38503	ABC	#1/0 ACSR	7.11Y	118.5	0.09	6.45	54.04	23	1120	278	97	0.75	0.1	5.542	0.097	0	0	0	235
REG85	PL.38504	ABC	114.3 KVA	7.54Y	125.6	-7.07	-0.62	54.04	36	1119	277	97	percent Boost= 5.62 Tap= 9.0							235
PL.38428	REG85	ABC	#1/0 ACSR	7.53Y	125.6	0.06	-0.56	51.00	22	1119	277	97	0.44	0.0	5.606	0.064	6	2	1	235
PL.38500	PL.38428	ABC	#1/0 ACSR	7.53Y	125.5	0.05	-0.51	50.71	22	1113	275	97	0.37	0.0	5.661	0.055	17	4	2	234
PL.38136	PL.38500	ABC	#1/0 ACSR	7.53Y	125.4	0.08	-0.43	39.60	17	868	215	97	0.45	0.1	5.768	0.108	0	0	0	191
PL.38138	PL.38136	A	#4 ACSR	7.53Y	125.4	0.00	-0.43	1.53	1	11	3	96	0.00	0.0	5.771	0.003	0	0	0	2
PD.6066	PL.38138	A	40QA	7.53Y	125.4	0.00	-0.43	1.53	4	11	3	96	0.00	0.0	5.771	0.003	0	0	0	2
PL.38139	PD.6066	A	#4 ACSR	7.53Y	125.4	0.00	-0.43	1.53	1	11	3	96	0.00	0.0	5.841	0.070	11	3	2	2
PL.38140	PL.38136	A	#1/0 ACSR	7.53Y	125.4	0.00	-0.43	1.64	1	12	3	97	0.00	0.0	5.770	0.002	0	0	0	3
PD.6049	PL.38140	A	40QA	7.53Y	125.4	0.00	-0.43	1.64	4	12	3	97	0.00	0.0	5.770	0.002	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: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.38015	PD.6049	A	#1/0 ACSR	7.53Y	125.4	0.00	-0.43	1.64	1	12	3	97	0.00	0.0	5.839	0.069	12	3	3	3
PL.38137	PL.38136	ABC	#1/0 ACSR	7.52Y	125.4	0.06	-0.38	38.54	17	845	209	97	0.33	0.0	5.851	0.083	0	0	0	186
PL.37328	PL.38137	ABC	#1/0 ACSR	7.52Y	125.3	0.05	-0.33	27.04	12	593	146	97	0.21	0.0	5.957	0.105	0	0	0	134
PL.37329	PL.37328	ABC	#1/0 ACSR	7.52Y	125.3	0.03	-0.30	26.65	12	584	144	97	0.11	0.0	6.015	0.058	0	0	0	131
PL.38013	PL.37329	ABC	#1/0 ACSR	7.52Y	125.3	0.03	-0.27	25.14	11	551	136	97	0.12	0.0	6.086	0.071	0	0	0	126
PL.37435	PL.38013	ABC	#1/0 ACSR	7.51Y	125.2	0.04	-0.23	24.66	11	540	133	97	0.14	0.0	6.175	0.089	9	2	1	123
PL.37432	PL.37435	C	#4 ACSR	7.51Y	125.2	0.00	-0.23	2.57	2	19	5	97	0.00	0.0	6.176	0.001	0	0	0	6
PD.6068	PL.37432	C	40QA	7.51Y	125.2	0.00	-0.23	2.57	6	19	5	97	0.00	0.0	6.176	0.001	0	0	0	6
PL.37412	PD.6068	C	#4 ACSR	7.51Y	125.2	0.00	-0.22	2.57	2	19	5	97	0.00	0.0	6.213	0.037	0	0	0	6
PL.37433	PL.37412	C	#4 ACSR	7.51Y	125.2	0.01	-0.22	2.57	2	19	5	97	0.00	0.0	6.275	0.061	4	1	5	6
PL.37434	PL.37433	C	#4 ACSR	7.51Y	125.2	0.00	-0.21	2.05	2	15	4	97	0.00	0.0	6.320	0.045	15	4	1	1
PL.37431	PL.37435	ABC	#1/0 ACSR	7.51Y	125.1	0.08	-0.14	23.41	10	512	126	97	0.30	0.1	6.380	0.205	7	2	1	116
PL.56894	PL.37431	ABC	#1/0 ACSR	7.51Y	125.1	0.04	-0.11	22.82	10	499	123	97	0.12	0.0	6.468	0.088	10	2	4	112
PL.56893	PL.56894	ABC	#1/0 ACSR	7.51Y	125.1	0.01	-0.10	22.04	10	482	118	97	0.04	0.0	6.498	0.030	0	0	0	106
PL.37744	PL.56893	ABC	#1/0 ACSR	7.51Y	125.1	0.01	-0.09	21.68	9	474	116	97	0.02	0.0	6.518	0.020	10	2	2	102
PL.37428	PL.37744	ABC	#1/0 ACSR	7.50Y	125.1	0.02	-0.07	21.22	9	464	114	97	0.05	0.0	6.559	0.041	7	2	1	100
PL.64416	PL.37428	A C	#1/0 ACSR	7.50Y	125.0	0.03	-0.05	31.38	14	457	112	97	0.08	0.0	6.600	0.040	0	0	0	99
PL.64417	PL.64416	A C	#1/0 ACSR	7.50Y	125.0	0.00	-0.05	31.38	14	457	112	97	0.00	0.0	6.600	0.000	15	4	3	99
PL.38551	PL.64417	A C	#1/0 ACSR	7.50Y	125.0	0.01	-0.04	30.33	13	442	108	97	0.03	0.0	6.616	0.016	0	0	0	96
PL.62727	PL.38551	A C	#1/0 ACSR	7.50Y	125.0	0.00	-0.04	30.33	13	442	108	97	0.01	0.0	6.619	0.003	0	0	0	96
PD.8893	PL.62727	A C	50L	7.50Y	125.0	0.00	-0.04	30.33	61	442	108	97	0.00	0.0	6.619	0.003	0	0	0	96
PL.62724	PD.8893	A C	#1/0 ACSR	7.50Y	125.0	0.01	-0.02	30.33	13	442	108	97	0.03	0.0	6.635	0.017	2	0	1	96
PL.62726	PL.62724	A	#1/0 ACSR	7.50Y	125.0	0.00	-0.02	1.21	1	9	2	98	0.00	0.0	6.636	0.001	0	0	0	3
PD.7944	PL.62726	A	10QA	7.50Y	125.0	0.00	-0.02	1.21	0	9	2	98	0.00	0.0	6.636	0.001	0	0	0	3
PL.51886	PD.7944	A	#1/0 ACSR	7.50Y	125.0	0.00	-0.02	1.21	1	9	2	98	0.00	0.0	6.647	0.011	9	2	3	3
PL.62725	PL.62724	A C	#1/0 ACSR	7.50Y	125.0	0.01	-0.02	29.62	13	432	106	97	0.03	0.0	6.650	0.015	9	2	1	92
PL.56975	PL.62725	A C	#1/0 ACSR	7.50Y	125.0	0.02	0.01	29.04	13	423	104	97	0.06	0.0	6.691	0.041	23	6	5	91
PL.51890	PL.56975	A C	#1/0 ACSR	7.50Y	125.0	0.03	0.04	25.51	11	372	91	97	0.08	0.0	6.753	0.062	0	0	0	78
PL.51893	PL.51890	C	#1/0 ACSR	7.50Y	125.0	0.00	0.04	6.67	3	49	12	97	0.00	0.0	6.753	0.000	0	0	0	10
PD.7946	PL.51893	C	10QA	7.50Y	125.0	0.00	0.04	6.67	0	49	12	97	0.00	0.0	6.753	0.000	0	0	0	10
PL.51894	PD.7946	C	#1/0 ACSR	7.50Y	125.0	0.00	0.04	6.67	3	49	12	97	0.00	0.0	6.753	0.000	0	0	0	10

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

Balanced Voltage Drop Report
Source: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.51892	PL.51894	C	#1/0 ACSR	7.50Y	125.0	0.01	0.05	6.67	3	49	12	97	0.00	0.0	6.814	0.061	31	8	7	10
PL.51889	PL.51892	C	6 A (CWC)	7.50Y	125.0	0.00	0.05	1.17	1	9	2	98	0.00	0.0	6.881	0.066	9	2	1	1
PL.51891	PL.51892	C	#1/0 ACSR	7.50Y	125.0	0.00	0.05	1.21	1	9	2	98	0.00	0.0	6.878	0.063	0	0	0	2
PL.37716	PL.51891	C	6 A (CWC)	7.50Y	125.0	0.00	0.05	1.21	1	9	2	98	0.00	0.0	6.957	0.079	9	2	2	2
PL.38552	PL.51891	C	#1/0 ACSR	7.50Y	125.0	0.00	0.05	0.00	0	0	0	100	0.00	0.0	6.976	0.098	0	0	0	0
PL.51895	PL.51890	A C	#1/0 ACSR	7.50Y	124.9	0.02	0.05	22.18	10	323	79	97	0.03	0.0	6.786	0.033	0	0	1	68
PL.51898	PL.51895	A C	#1/0 ACSR	7.50Y	124.9	0.02	0.08	22.15	10	323	79	97	0.05	0.0	6.837	0.051	0	0	0	67
PL.51900	PL.51898	C	#1/0 ACSR	7.50Y	124.9	0.00	0.08	0.63	0	5	1	98	0.00	0.0	6.838	0.001	0	0	0	3
PD.7948	PL.51900	C	10QA	7.50Y	124.9	0.00	0.08	0.63	0	5	1	98	0.00	0.0	6.838	0.001	0	0	0	3
PL.51901	PD.7948	C	#1/0 ACSR	7.50Y	124.9	0.00	0.08	0.63	0	5	1	98	0.00	0.0	6.852	0.014	5	1	3	3
PL.51899	PL.51898	A C	#1/0 ACSR	7.49Y	124.9	0.03	0.11	21.84	9	318	78	97	0.07	0.0	6.912	0.075	0	0	0	64
PL.51902	PL.51899	A	#1/0 ACSR	7.49Y	124.9	0.00	0.11	0.19	0	1	0	100	0.00	0.0	6.939	0.027	1	0	1	1
PL.51903	PL.51899	A	#1/0 ACSR	7.49Y	124.9	0.00	0.11	23.95	10	174	43	97	0.00	0.0	6.913	0.001	0	0	0	38
PD.7949	PL.51903	A	40QA	7.49Y	124.9	0.00	0.11	23.95	60	174	43	97	0.00	0.0	6.913	0.001	0	0	0	38
PL.51904	PD.7949	A	#1/0 ACSR	7.49Y	124.9	0.03	0.14	23.95	10	174	43	97	0.03	0.0	6.962	0.049	0	0	0	38
PL.38566	PL.51904	A	#4 ACSR	7.47Y	124.4	0.44	0.58	20.17	16	147	36	97	0.49	0.3	7.461	0.498	0	0	0	33
PL.38168	PL.38566	A	#4 ACSR	7.46Y	124.3	0.09	0.67	20.17	16	146	36	97	0.10	0.1	7.561	0.101	0	0	0	33
PL.37254	PL.38168	A	#4 ACSR	7.46Y	124.3	0.00	0.67	0.00	0	0	0	100	0.00	0.0	7.633	0.072	0	0	0	0
PL.64292	PL.38168	A	#4 ACSR	7.46Y	124.3	0.06	0.73	20.17	16	146	36	97	0.06	0.0	7.629	0.068	6	2	1	33
PL.64291	PL.64292	A	#4 ACSR	7.46Y	124.3	0.00	0.73	0.00	0	0	0	100	0.00	0.0	7.693	0.064	0	0	0	0
PL.64293	PL.64292	A	#4 ACSR	7.45Y	124.1	0.16	0.89	19.30	15	140	34	97	0.17	0.1	7.817	0.188	0	0	0	32
PL.38410	PL.64293	A	6 A (CWC)	7.44Y	124.0	0.08	0.97	19.30	14	140	34	97	0.08	0.1	7.903	0.086	0	0	0	32
PL.56421	PL.38410	A	6 A (CWC)	7.43Y	123.9	0.15	1.12	19.30	14	140	34	97	0.16	0.1	8.077	0.174	0	0	0	32
PL.56424	PL.56421	A	#4 ACSR	7.43Y	123.9	0.01	1.13	4.05	3	29	7	97	0.00	0.0	8.125	0.048	7	2	1	5
PL.56426	PL.56424	A	#4 ACSR	7.43Y	123.9	0.00	1.13	3.05	2	22	5	98	0.00	0.0	8.143	0.018	10	2	2	4
PL.56425	PL.56426	A	#4 ACSR	7.43Y	123.9	0.00	1.13	1.71	1	12	3	97	0.00	0.0	8.205	0.062	12	3	2	2
PL.56422	PL.56421	A	6 A (CWC)	7.43Y	123.9	0.00	1.12	1.27	1	9	2	98	0.00	0.0	8.115	0.038	9	2	2	2
PL.56423	PL.56421	A	6 A (CWC)	7.43Y	123.8	0.06	1.18	13.98	10	101	25	97	0.05	0.0	8.174	0.097	1	0	1	25
PL.38169	PL.56423	A	6 A (CWC)	7.42Y	123.7	0.09	1.27	13.86	10	100	24	97	0.07	0.1	8.322	0.147	4	1	4	24
PL.38170	PL.38169	A	6 A (CWC)	7.42Y	123.7	0.02	1.29	13.35	10	96	23	97	0.01	0.0	8.351	0.029	7	2	2	20
PL.38171	PL.38170	A	6 A (CWC)	7.42Y	123.7	0.05	1.33	12.37	9	89	22	97	0.03	0.0	8.437	0.086	9	2	2	18

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

Balanced Voltage Drop Report
Source: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.38172	PL.38171	A	6 A (CWC)	7.42Y	123.6	0.06	1.39	11.13	8	80	20	97	0.03	0.0	8.579	0.142	35	8	4	16
PL.38173	PL.38172	A	6 A (CWC)	7.42Y	123.6	0.01	1.40	6.33	5	46	11	97	0.00	0.0	8.614	0.035	11	3	3	12
PL.38174	PL.38173	A	6 A (CWC)	7.42Y	123.6	0.01	1.41	4.78	3	34	8	97	0.00	0.0	8.673	0.059	4	1	2	9
PL.38175	PL.38174	A	6 A (CWC)	7.42Y	123.6	0.00	1.41	4.17	3	30	7	97	0.00	0.0	8.693	0.019	6	1	1	6
PL.57913	PL.38175	A	6 A (CWC)	7.41Y	123.6	0.00	1.42	0.71	1	5	1	98	0.00	0.0	8.938	0.245	5	1	2	2
PL.38176	PL.38175	A	6 A (CWC)	7.42Y	123.6	0.00	1.42	1.30	1	9	2	98	0.00	0.0	8.729	0.037	9	2	1	2
PL.37745	PL.38176	A	6 A (CWC)	7.42Y	123.6	0.00	1.42	0.00	0	0	0	100	0.00	0.0	8.784	0.054	0	0	1	1
PL.37221	PL.37745	A	6 A (CWC)	7.42Y	123.6	0.00	1.42	0.00	0	0	0	100	0.00	0.0	8.833	0.050	0	0	0	0
PL.36726	PL.38175	A	6 A (CWC)	7.42Y	123.6	0.00	1.42	1.38	1	10	2	98	0.00	0.0	8.733	0.040	10	2	1	1
PL.37411	PL.38174	A	6 A (CWC)	7.42Y	123.6	0.00	1.41	0.01	0	0	0	100	0.00	0.0	8.686	0.013	0	0	1	1
PL.38409	PL.64293	A	#4 ACSR	7.45Y	124.1	0.00	0.89	0.00	0	0	0	100	0.00	0.0	7.821	0.004	0	0	0	0
PL.64290	PL.64292	A	#4 ACSR	7.46Y	124.3	0.00	0.73	0.00	0	0	0	100	0.00	0.0	7.668	0.039	0	0	0	0
PL.36727	PL.51904	A	#4 ACSR	7.49Y	124.9	0.00	0.14	2.34	2	17	4	97	0.00	0.0	6.993	0.030	17	4	3	3
PL.37255	PL.51904	A	#4 ACSR	7.49Y	124.9	0.00	0.14	1.44	1	10	3	96	0.00	0.0	7.011	0.049	10	3	2	2
PL.51905	PL.51899	C	#1/0 ACSR	7.49Y	124.9	0.00	0.11	19.53	8	142	35	97	0.00	0.0	6.913	0.001	0	0	0	25
PD.7950	PL.51905	C	25T	7.49Y	124.9	0.00	0.11	19.53	0	142	35	97	0.00	0.0	6.913	0.001	0	0	0	25
PL.51906	PD.7950	C	#1/0 ACSR	7.49Y	124.9	0.02	0.13	19.53	8	142	35	97	0.02	0.0	6.967	0.054	5	1	1	25
PL.37413	PL.51906	C	#4 ACSR	7.49Y	124.8	0.04	0.18	18.79	14	137	33	97	0.04	0.0	7.020	0.053	7	2	1	24
PL.57234	PL.37413	C	#2 ACSR	7.49Y	124.8	0.00	0.18	1.07	1	8	2	97	0.00	0.0	7.051	0.031	8	2	2	2
PL.37750	PL.37413	C	#2 ACSR	7.49Y	124.8	0.00	0.18	1.41	1	10	3	96	0.00	0.0	7.071	0.050	0	0	0	3
PL.55408	PL.37750	C	#2 ACSR	7.49Y	124.8	0.00	0.18	1.41	1	10	3	96	0.00	0.0	7.129	0.058	10	3	3	3
PL.55409	PL.55408	C	#2 ACSR	7.49Y	124.8	0.00	0.18	0.00	0	0	0	100	0.00	0.0	7.357	0.228	0	0	0	0
PL.55414	PL.37413	C	#4 ACSR	7.49Y	124.8	0.03	0.21	15.39	12	112	27	97	0.03	0.0	7.075	0.055	17	4	2	18
PL.55413	PL.55414	C	#4 ACSR	7.49Y	124.8	0.03	0.24	13.06	10	95	23	97	0.02	0.0	7.121	0.045	6	2	1	16
PL.55411	PL.55413	C	#4 ACSR	7.49Y	124.8	0.00	0.24	2.90	2	21	5	97	0.00	0.0	7.162	0.041	21	5	3	3
PL.55410	PL.55413	C	#4 ACSR	7.49Y	124.8	0.01	0.25	3.47	3	25	6	97	0.00	0.0	7.195	0.074	0	0	0	4
PL.55415	PL.55410	C	#4 ACSR	7.48Y	124.7	0.01	0.25	3.47	3	25	6	97	0.00	0.0	7.234	0.040	6	2	1	4
PL.55416	PL.55415	C	#4 ACSR	7.48Y	124.7	0.00	0.26	2.61	2	19	5	97	0.00	0.0	7.259	0.025	16	4	2	3
PL.55790	PL.55416	C	#4 ACSR	7.48Y	124.7	0.00	0.26	0.43	0	3	1	95	0.00	0.0	7.297	0.037	3	1	1	1
PL.55412	PL.55413	C	#4 ACSR	7.49Y	124.8	0.01	0.25	5.82	4	42	10	97	0.00	0.0	7.169	0.048	10	2	2	8
PL.55406	PL.55412	C	#4 ACSR	7.49Y	124.8	0.00	0.25	0.63	0	5	1	98	0.00	0.0	7.209	0.040	5	1	2	2

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

Balanced Voltage Drop Report
Source: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.55407	PL.55412	C	#4 ACSR	7.48Y	124.7	0.01	0.26	3.83	3	28	7	97	0.00	0.0	7.232	0.064	17	4	2	4
PL.38553	PL.55407	C	#4 ACSR	7.48Y	124.7	0.00	0.26	1.53	1	11	3	96	0.00	0.0	7.267	0.035	0	0	0	2
PL.38554	PL.38553	C	#4 ACSR	7.48Y	124.7	0.00	0.26	1.29	1	9	2	98	0.00	0.0	7.269	0.002	0	0	0	1
PD.6007	PL.38554	C	40QA	7.48Y	124.7	0.00	0.26	1.29	3	9	2	98	0.00	0.0	7.269	0.002	0	0	0	1
PL.37209	PD.6007	C	#4 ACSR	7.48Y	124.7	0.00	0.26	1.29	1	9	2	98	0.00	0.0	7.352	0.083	0	0	0	1
PL.38132	PL.37209	C	#4 ACSR	7.48Y	124.7	0.00	0.26	0.00	0	0	0	100	0.00	0.0	7.406	0.055	0	0	0	0
PL.37210	PL.37209	C	#4 ACSR	7.48Y	124.7	0.00	0.26	1.29	1	9	2	98	0.00	0.0	7.387	0.036	9	2	1	1
PL.38555	PL.38553	C	6 A (CWC)	7.48Y	124.7	0.00	0.26	0.24	0	2	0	100	0.00	0.0	7.328	0.061	2	0	1	1
PL.38556	PL.38555	C	6 A (CWC)	7.48Y	124.7	0.00	0.26	0.00	0	0	0	100	0.00	0.0	7.459	0.131	0	0	0	0
PL.51896	PL.51895	A	#1/0 ACSR	7.50Y	124.9	0.00	0.05	0.00	0	0	0	100	0.00	0.0	6.787	0.001	0	0	0	0
PD.7947	PL.51896	A	10QA	7.50Y	124.9	0.00	0.05	0.00	0	0	0	100	0.00	0.0	6.787	0.001	0	0	0	0
PL.51897	PD.7947	A	#1/0 ACSR	7.50Y	124.9	0.00	0.05	0.00	0	0	0	100	0.00	0.0	6.807	0.021	0	0	0	0
PL.51887	PL.56975	C	#1/0 ACSR	7.50Y	125.0	0.00	0.01	3.83	2	28	7	97	0.00	0.0	6.692	0.001	0	0	0	8
PD.7945	PL.51887	C	10QA	7.50Y	125.0	0.00	0.01	3.83	0	28	7	97	0.00	0.0	6.692	0.001	0	0	0	8
PL.51888	PD.7945	C	#1/0 ACSR	7.50Y	125.0	0.00	0.01	3.83	2	28	7	97	0.00	0.0	6.725	0.033	28	7	8	8
PL.37427	PL.37428	A	6 A (CWC)	7.50Y	125.1	0.00	-0.07	0.00	0	0	0	100	0.00	0.0	6.561	0.002	0	0	0	0
PL.37429	PL.56893	A	#1/0 ACSR	7.51Y	125.1	0.00	-0.10	1.06	0	8	2	97	0.00	0.0	6.498	0.000	0	0	0	4
PD.6012	PL.37429	A	40QA	7.51Y	125.1	0.00	-0.10	1.06	3	8	2	97	0.00	0.0	6.498	0.000	0	0	0	4
PL.37793	PD.6012	A	#1/0 ACSR	7.51Y	125.1	0.00	-0.10	1.06	0	8	2	97	0.00	0.0	6.552	0.054	7	2	2	4
PL.37794	PL.37793	A	#1/0 ACSR	7.51Y	125.1	0.00	-0.10	0.10	0	1	0	100	0.00	0.0	6.596	0.045	1	0	2	2
PL.61052	PL.56894	B	#1/0 ACSR	7.51Y	125.1	0.00	-0.11	1.00	0	7	2	96	0.00	0.0	6.471	0.004	0	0	0	2
PD.9134	PL.61052	B	12T	7.51Y	125.1	0.00	-0.11	1.00	0	7	2	96	0.00	0.0	6.471	0.004	0	0	0	2
PL.61053	PD.9134	B	#1/0 ACSR	7.51Y	125.1	0.00	-0.11	1.00	0	7	2	96	0.00	0.0	6.484	0.013	7	2	1	2
PL.61385	PL.61053	B	#1/0 ACSR	7.51Y	125.1	0.00	-0.11	0.01	0	0	0	100	0.00	0.0	6.510	0.025	0	0	1	1
PL.37430	PL.37431	C	6 A (CWC)	7.51Y	125.1	0.00	-0.14	0.84	1	6	1	99	0.00	0.0	6.381	0.001	0	0	0	3
PD.6069	PL.37430	C	40QA	7.51Y	125.1	0.00	-0.14	0.84	2	6	1	99	0.00	0.0	6.381	0.001	0	0	0	3
PL.36750	PD.6069	C	6 A (CWC)	7.51Y	125.1	0.00	-0.14	0.84	1	6	1	99	0.00	0.0	6.478	0.097	6	1	3	3
PL.36751	PL.36750	C	6 A (CWC)	7.51Y	125.1	0.00	-0.14	0.00	0	0	0	100	0.00	0.0	6.530	0.052	0	0	0	0
PL.56287	PL.38013	A	6 A (CWC)	7.52Y	125.3	0.00	-0.27	1.46	1	11	3	96	0.00	0.0	6.086	0.000	0	0	0	3
PD.8228	PL.56287	A	40QA	7.52Y	125.3	0.00	-0.27	1.46	4	11	3	96	0.00	0.0	6.086	0.000	0	0	0	3
PL.56288	PD.8228	A	6 A (CWC)	7.52Y	125.3	0.00	-0.27	1.46	1	11	3	96	0.00	0.0	6.086	0.000	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: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.56289	PL.56288	A	6 A (CWC)	7.52Y	125.3	0.00	-0.27	1.46	1	11	3	96	0.00	0.0	6.102	0.015	11	3	3	3
PL.56290	PL.56288	A	#1/0 ACSR	7.52Y	125.3	0.00	-0.27	0.00	0	0	0	100	0.00	0.0	6.140	0.054	0	0	0	0
PL.38014	PL.37329	A	6 A (CWC)	7.52Y	125.3	0.00	-0.30	4.53	3	33	8	97	0.00	0.0	6.015	0.000	0	0	0	5
PD.5982	PL.38014	A	40QA	7.52Y	125.3	0.00	-0.30	4.53	11	33	8	97	0.00	0.0	6.015	0.000	0	0	0	5
PL.56419	PD.5982	A	6 A (CWC)	7.52Y	125.3	0.01	-0.29	4.53	3	33	8	97	0.00	0.0	6.089	0.074	21	5	2	5
PL.56420	PL.56419	A	6 A (CWC)	7.52Y	125.3	0.00	-0.29	1.62	1	12	3	97	0.00	0.0	6.112	0.023	12	3	3	3
PL.37330	PL.37328	A	#2 ACSR	7.52Y	125.3	0.00	-0.33	1.16	1	8	2	97	0.00	0.0	5.957	0.000	0	0	0	3
PD.5980	PL.37330	A	40QA	7.52Y	125.3	0.00	-0.33	1.16	3	8	2	97	0.00	0.0	5.957	0.000	0	0	0	3
PL.36734	PD.5980	A	#2 ACSR	7.52Y	125.3	0.00	-0.32	1.16	1	8	2	97	0.00	0.0	5.992	0.035	8	2	3	3
PL.51812	PL.38137	B	#1/0 ACSR	7.52Y	125.4	0.00	-0.37	34.50	15	252	63	97	0.01	0.0	5.856	0.005	0	0	0	52
PD.7934	PL.51812	B	70L	7.52Y	125.4	0.00	-0.37	34.50	49	252	63	97	0.00	0.0	5.856	0.005	0	0	0	52
PL.51813	PD.7934	B	#1/0 ACSR	7.52Y	125.3	0.12	-0.26	34.50	15	252	63	97	0.19	0.1	5.999	0.143	0	0	0	52
PL.51811	PL.51813	B	#1/0 ACSR	7.50Y	125.1	0.19	-0.07	33.91	15	247	61	97	0.30	0.1	6.238	0.239	8	2	1	51
PL.37707	PL.51811	B	6 A (CWC)	7.50Y	125.1	0.00	-0.06	0.90	1	7	2	96	0.00	0.0	6.332	0.094	7	2	2	2
PL.37891	PL.51811	B	#1/0 ACSR	7.50Y	125.0	0.06	-0.01	31.95	14	233	57	97	0.09	0.0	6.320	0.082	0	0	0	48
PL.37892	PL.37891	B	#1/0 ACSR	7.50Y	124.9	0.07	0.06	31.95	14	233	57	97	0.10	0.0	6.407	0.088	4	1	1	48
PL.62463	PL.37892	B	#1/0 ACSR	7.50Y	124.9	0.00	0.06	28.23	12	205	51	97	0.00	0.0	6.411	0.003	0	0	0	42
PD.9344	PL.62463	B	25T	7.50Y	124.9	0.00	0.06	28.23	0	205	51	97	0.00	0.0	6.411	0.003	0	0	0	42
PL.62464	PD.9344	B	#1/0 ACSR	7.49Y	124.9	0.02	0.08	28.23	12	205	51	97	0.03	0.0	6.445	0.034	6	2	1	42
PL.57280	PL.62464	B	#1/0 ACSR	7.49Y	124.8	0.11	0.20	27.37	12	199	49	97	0.15	0.1	6.623	0.178	0	0	0	41
PL.57315	PL.57280	B	6 A (CWC)	7.49Y	124.8	0.00	0.20	0.66	0	5	1	98	0.00	0.0	6.626	0.004	0	0	0	1
PD.8277	PL.57315	B	100CodeSMo	7.49Y	124.8	0.00	0.20	0.66	0	5	1	98	0.00	0.0	6.626	0.004	0	0	0	1
PL.57316	PD.8277	B	6 A (CWC)	7.49Y	124.8	0.00	0.20	0.66	0	5	1	98	0.00	0.0	6.690	0.064	5	1	1	1
PL.57283	PL.57316	B	6 A (CWC)	7.49Y	124.8	0.00	0.20	0.00	0	0	0	100	0.00	0.0	6.757	0.066	0	0	0	0
PL.38544	PL.57280	B	#1/0 ACSR	7.48Y	124.7	0.06	0.26	26.71	12	194	48	97	0.07	0.0	6.719	0.096	9	2	2	40
PL.55792	PL.38544	B	#1/0 ACSR	7.48Y	124.7	0.07	0.33	25.41	11	185	45	97	0.09	0.0	6.842	0.123	0	0	0	38
PL.55793	PL.55792	B	#1/0 ACSR	7.48Y	124.6	0.05	0.38	17.97	8	131	32	97	0.04	0.0	6.948	0.106	0	0	0	26
PL.37640	PL.55793	B	6 A (CWC)	7.48Y	124.6	0.00	0.38	1.46	1	11	3	96	0.00	0.0	7.018	0.070	0	0	0	1
PL.63946	PL.37640	B	#1/0 ACSR	7.48Y	124.6	0.00	0.38	1.46	1	11	3	96	0.00	0.0	7.067	0.049	11	3	1	1
PL.37893	PL.55793	B	#1/0 ACSR	7.47Y	124.6	0.04	0.42	16.52	7	120	29	97	0.03	0.0	7.053	0.105	0	0	0	25
PL.37894	PL.37893	B	#1/0 ACSR	7.47Y	124.6	0.03	0.45	16.52	7	120	29	97	0.02	0.0	7.132	0.079	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: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.38545	PL.37894	B	#1/0 ACSR	7.47Y	124.5	0.03	0.47	15.31	7	111	27	97	0.02	0.0	7.205	0.072	6	1	2	24
PL.38229	PL.38545	B	6 A (CWC)	7.47Y	124.5	0.00	0.48	1.16	1	8	2	97	0.00	0.0	7.237	0.032	8	2	1	1
PL.38233	PL.38545	B	#1/0 ACSR	7.47Y	124.5	0.03	0.51	13.35	6	97	24	97	0.02	0.0	7.310	0.106	9	2	1	21
PL.38546	PL.38233	B	#1/0 ACSR	7.47Y	124.5	0.04	0.55	12.10	5	88	21	97	0.02	0.0	7.454	0.144	0	0	0	20
PL.38547	PL.38546	B	#1/0 ACSR	7.47Y	124.4	0.03	0.58	10.84	5	79	19	97	0.02	0.0	7.585	0.131	0	0	0	18
PL.37065	PL.38547	B	6 A (CWC)	7.46Y	124.4	0.05	0.63	6.89	5	50	12	97	0.02	0.0	7.743	0.157	0	0	0	9
PL.55610	PL.37065	B	6 A (CWC)	7.46Y	124.4	0.00	0.63	0.19	0	1	0	100	0.00	0.0	7.804	0.061	1	0	1	1
PL.55826	PL.37065	B	6 A (CWC)	7.46Y	124.4	0.02	0.65	6.70	5	49	12	97	0.01	0.0	7.815	0.072	18	4	3	8
PL.55827	PL.55826	B	#1/0 ACSR	7.46Y	124.4	0.00	0.65	1.47	1	11	3	96	0.00	0.0	7.870	0.055	11	3	1	1
PL.64304	PL.55826	B	6 A (CWC)	7.46Y	124.3	0.01	0.65	2.82	2	20	5	97	0.00	0.0	7.873	0.058	7	2	1	4
PL.64305	PL.64304	B	6 A (CWC)	7.46Y	124.3	0.00	0.66	1.82	1	13	3	97	0.00	0.0	7.897	0.024	0	0	0	3
PL.64298	PL.64305	B	6 A (CWC)	7.46Y	124.3	0.00	0.66	1.82	1	13	3	97	0.00	0.0	7.934	0.038	0	0	0	3
PL.64299	PL.64298	B	6 A (CWC)	7.46Y	124.3	0.00	0.66	1.82	1	13	3	97	0.00	0.0	7.987	0.053	8	2	1	3
PL.63069	PL.64299	B	#1/0 ACSR	7.46Y	124.3	0.00	0.66	0.73	0	5	1	98	0.00	0.0	8.014	0.027	5	1	2	2
PL.64300	PL.64298	B	#4 ACSR	7.46Y	124.3	0.00	0.66	0.00	0	0	0	100	0.00	0.0	8.066	0.132	0	0	0	0
PL.55614	PL.64305	B	#4 ACSR	7.46Y	124.3	0.00	0.66	0.00	0	0	0	100	0.00	0.0	7.998	0.101	0	0	0	0
PL.55615	PL.55614	B	#4 ACSR	7.46Y	124.3	0.00	0.66	0.00	0	0	0	100	0.00	0.0	8.050	0.052	0	0	0	0
PL.38549	PL.38547	B	#1/0 ACSR	7.46Y	124.4	0.01	0.59	3.95	2	29	7	97	0.00	0.0	7.667	0.082	0	0	0	9
PL.55607	PL.38549	B	#1/0 ACSR	7.46Y	124.4	0.01	0.59	2.59	1	19	5	97	0.00	0.0	7.777	0.110	7	2	2	6
PL.55608	PL.55607	B	#1/0 ACSR	7.46Y	124.4	0.00	0.60	1.68	1	12	3	97	0.00	0.0	7.897	0.120	0	0	0	4
PL.37066	PL.55608	B	#1/0 ACSR	7.46Y	124.4	0.00	0.60	1.45	1	10	3	96	0.00	0.0	8.021	0.123	0	0	0	1
PL.52647	PL.37066	B	#1/0 ACSR	7.46Y	124.4	0.01	0.61	1.45	1	10	3	96	0.00	0.0	8.211	0.191	0	0	0	1
PL.52648	PL.52647	B	#1/0 ACSR	7.46Y	124.4	0.00	0.61	0.00	0	0	0	100	0.00	0.0	8.296	0.084	0	0	0	0
PL.52649	PL.52647	B	6 A (CWC)	7.46Y	124.4	0.00	0.61	1.45	1	10	3	96	0.00	0.0	8.267	0.055	10	3	1	1
PL.37119	PL.55608	B	#2 ACSR	7.46Y	124.4	0.00	0.60	0.24	0	2	0	100	0.00	0.0	8.012	0.114	2	0	2	3
PL.37120	PL.37119	B	#2 ACSR	7.46Y	124.4	0.00	0.60	0.00	0	0	0	100	0.00	0.0	8.065	0.053	0	0	1	1
PL.55606	PL.38549	B	6 A (CWC)	7.46Y	124.4	0.00	0.59	0.69	0	5	1	98	0.00	0.0	7.708	0.040	5	1	1	1
PL.55913	PL.38549	B	#4 ACSR	7.46Y	124.4	0.00	0.59	0.67	1	5	1	98	0.00	0.0	7.839	0.172	5	1	2	2
PL.55914	PL.55913	B	#4 ACSR	7.46Y	124.4	0.00	0.59	0.00	0	0	0	100	0.00	0.0	7.970	0.131	0	0	0	0
PL.38548	PL.38546	B	#4 ACSR	7.47Y	124.4	0.00	0.55	1.25	1	9	2	98	0.00	0.0	7.551	0.097	9	2	1	2
PL.55609	PL.38548	B	#4 ACSR	7.47Y	124.4	0.00	0.55	0.04	0	0	0	100	0.00	0.0	7.595	0.045	0	0	1	1

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Balanced Voltage Drop Report
Source: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.37404	PL.37894	B	6 A (CWC)	7.47Y	124.5	0.00	0.45	1.20	1	9	2	98	0.00	0.0	7.230	0.097	9	2	1	1
PL.55791	PL.55792	B	#4 ACSR	7.47Y	124.6	0.09	0.42	7.44	6	54	13	97	0.03	0.1	7.141	0.299	12	3	1	12
PL.37121	PL.55791	B	#4 ACSR	7.47Y	124.6	0.03	0.45	5.76	4	42	10	97	0.01	0.0	7.251	0.110	8	2	2	11
PL.37122	PL.37121	B	#4 ACSR	7.47Y	124.5	0.01	0.46	4.69	4	34	8	97	0.00	0.0	7.327	0.077	4	1	1	9
PL.37067	PL.37122	B	#4 ACSR	7.47Y	124.5	0.01	0.47	4.15	3	30	7	97	0.00	0.0	7.392	0.065	3	1	1	8
PL.55611	PL.37067	B	#4 ACSR	7.47Y	124.5	0.02	0.49	3.73	3	27	7	97	0.00	0.0	7.541	0.149	13	3	4	7
PL.55612	PL.55611	B	#4 ACSR	7.47Y	124.5	0.00	0.49	1.96	2	14	3	98	0.00	0.0	7.586	0.046	0	0	0	3
PL.55613	PL.55612	B	#4 ACSR	7.47Y	124.5	0.00	0.49	0.44	0	3	1	95	0.00	0.0	7.684	0.098	3	1	1	1
PL.38550	PL.55612	B	#4 ACSR	7.47Y	124.5	0.00	0.50	1.52	1	11	3	96	0.00	0.0	7.662	0.076	5	1	1	2
PL.52646	PL.38550	B	#1/0 ACSR	7.47Y	124.5	0.00	0.50	0.80	0	6	1	99	0.00	0.0	7.835	0.172	6	1	1	1
PL.38542	PL.37892	B	6 A (CWC)	7.50Y	124.9	0.01	0.07	3.17	2	23	6	97	0.00	0.0	6.487	0.080	0	0	1	5
PL.38543	PL.38542	B	6 A (CWC)	7.49Y	124.9	0.02	0.09	3.15	2	23	6	97	0.00	0.0	6.595	0.108	0	0	0	4
PL.57281	PL.38543	B	6 A (CWC)	7.49Y	124.9	0.01	0.09	2.05	1	15	4	97	0.00	0.0	6.740	0.144	15	4	3	3
PL.37709	PL.38543	B	6 A (CWC)	7.49Y	124.9	0.00	0.09	1.10	1	8	2	97	0.00	0.0	6.717	0.122	8	2	1	1
PL.51810	PL.51813	B	6 A (CWC)	7.52Y	125.3	0.00	-0.26	0.59	0	4	1	97	0.00	0.0	6.000	0.001	0	0	0	1
PL.51717	PL.51810	B	6 A (CWC)	7.52Y	125.3	0.00	-0.25	0.59	0	4	1	97	0.00	0.0	6.077	0.077	4	1	1	1
PL.38018	PL.38500	C	#4 ACSR	7.53Y	125.5	0.00	-0.51	31.04	24	227	55	97	0.00	0.0	5.661	0.000	0	0	0	41
PD.5981	PL.38018	C	25T	7.53Y	125.5	0.00	-0.51	31.04	0	227	55	97	0.00	0.0	5.661	0.000	0	0	0	41
PL.37436	PD.5981	C	#4 ACSR	7.52Y	125.4	0.10	-0.41	31.04	24	227	55	97	0.17	0.1	5.734	0.073	0	0	0	41
PL.37785	PL.37436	C	#4 ACSR	7.52Y	125.3	0.12	-0.29	31.04	24	227	55	97	0.20	0.1	5.822	0.088	9	2	1	41
PL.37786	PL.37785	C	#4 ACSR	7.51Y	125.2	0.08	-0.21	29.87	23	218	53	97	0.12	0.1	5.884	0.062	36	9	7	40
PL.38499	PL.37786	C	#4 ACSR	7.51Y	125.2	0.00	-0.21	1.45	1	11	3	96	0.00	0.0	5.967	0.083	3	1	1	3
PL.38126	PL.38499	C	#4 ACSR	7.51Y	125.2	0.00	-0.21	1.01	1	7	2	96	0.00	0.0	5.993	0.026	3	1	1	2
PL.38127	PL.38126	C	#4 ACSR	7.51Y	125.2	0.00	-0.21	0.60	0	4	1	97	0.00	0.0	6.037	0.044	4	1	1	1
PL.38498	PL.37786	C	#4 ACSR	7.51Y	125.2	0.03	-0.19	6.50	5	47	12	97	0.01	0.0	5.989	0.105	8	2	1	11
PL.51985	PL.38498	C	#4 ACSR	7.51Y	125.2	0.01	-0.18	5.42	4	40	10	97	0.00	0.0	6.028	0.039	2	0	2	10
PL.51986	PL.51985	C	#4 ACSR	7.51Y	125.2	0.01	-0.17	5.16	4	38	9	97	0.00	0.0	6.067	0.039	14	3	1	8
PL.39108	PL.51986	C	#4 ACSR	7.51Y	125.2	0.00	-0.17	2.39	2	17	4	97	0.00	0.0	6.105	0.038	0	0	0	5
PL.39109	PL.39108	C	#4 ACSR	7.51Y	125.2	0.00	-0.17	0.00	0	0	0	100	0.00	0.0	6.127	0.022	0	0	0	0
PL.39110	PL.39109	C	#4 ACSR	7.51Y	125.2	0.00	-0.17	0.00	0	0	0	100	0.00	0.0	6.196	0.068	0	0	0	0
PL.39112	PL.39108	C	#4 ACSR	7.51Y	125.2	0.01	-0.16	2.39	2	17	4	97	0.00	0.0	6.169	0.064	8	2	2	5

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Balanced Voltage Drop Report
Source: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.39113	PL.39112	C	#4 ACSR	7.51Y	125.2	0.00	-0.16	1.33	1	10	2	98	0.00	0.0	6.250	0.081	0	0	0	3
PL.61036	PL.39113	C	#4 ACSR	7.51Y	125.2	0.00	-0.15	1.33	1	10	2	98	0.00	0.0	6.277	0.027	2	0	1	3
PL.61037	PL.61036	C	#4 ACSR	7.51Y	125.2	0.00	-0.15	1.12	1	8	2	97	0.00	0.0	6.303	0.026	8	2	2	2
PL.39111	PL.51986	C	#4 ACSR	7.51Y	125.2	0.00	-0.17	0.88	1	6	2	95	0.00	0.0	6.116	0.049	0	0	0	2
PL.39114	PL.39111	C	#4 ACSR	7.51Y	125.2	0.00	-0.17	0.88	1	6	2	95	0.00	0.0	6.241	0.125	6	2	2	2
PL.39115	PL.39114	C	#4 ACSR	7.51Y	125.2	0.00	-0.17	0.00	0	0	0	100	0.00	0.0	6.338	0.097	0	0	0	0
PL.38019	PL.37786	C	#2 ACSR	7.51Y	125.2	0.02	-0.19	17.03	10	124	30	97	0.02	0.0	5.927	0.044	9	2	1	19
PL.52640	PL.38019	C	#2 ACSR	7.51Y	125.2	0.04	-0.15	15.87	9	116	28	97	0.03	0.0	6.003	0.075	0	0	0	18
PL.52641	PL.52640	C	#2 ACSR	7.51Y	125.1	0.02	-0.13	7.87	4	57	14	97	0.01	0.0	6.097	0.095	10	2	1	8
PL.52642	PL.52641	C	#2 ACSR	7.51Y	125.1	0.02	-0.11	6.56	4	48	12	97	0.01	0.0	6.223	0.126	5	1	1	7
PL.52643	PL.52642	C	#2 ACSR	7.51Y	125.1	0.01	-0.10	5.91	3	43	10	97	0.00	0.0	6.276	0.053	24	6	3	6
PL.37332	PL.52643	C	#2 ACSR	7.51Y	125.1	0.00	-0.10	0.78	0	6	1	99	0.00	0.0	6.331	0.055	6	1	1	1
PL.37719	PL.52643	C	#2 ACSR	7.51Y	125.1	0.00	-0.10	1.79	1	13	3	97	0.00	0.0	6.311	0.035	13	3	2	2
PL.52639	PL.52640	C	#2 ACSR	7.51Y	125.1	0.01	-0.14	8.00	5	58	14	97	0.01	0.0	6.059	0.056	0	0	0	10
PL.38380	PL.52639	C	#2 ACSR	7.51Y	125.1	0.00	-0.14	2.46	1	18	4	98	0.00	0.0	6.078	0.020	2	1	1	4
PL.61393	PL.38380	C	#2 ACSR	7.51Y	125.1	0.00	-0.14	2.16	1	16	4	97	0.00	0.0	6.101	0.022	0	0	0	3
PL.61395	PL.61393	C	#2 ACSR	7.51Y	125.1	0.00	-0.14	2.16	1	16	4	97	0.00	0.0	6.126	0.025	7	2	2	3
PL.61396	PL.61395	C	#2 ACSR	7.51Y	125.1	0.00	-0.14	1.24	1	9	2	98	0.00	0.0	6.150	0.025	9	2	1	1
PL.61394	PL.61396	C	#2 ACSR	7.51Y	125.1	0.00	-0.14	0.00	0	0	0	100	0.00	0.0	6.207	0.057	0	0	0	0
PL.37796	PL.52639	C	#2 ACSR	7.51Y	125.1	0.00	-0.14	4.55	3	33	8	97	0.00	0.0	6.097	0.038	11	3	2	5
PL.38381	PL.37796	C	#2 ACSR	7.51Y	125.1	0.00	-0.13	3.09	2	23	5	98	0.00	0.0	6.136	0.039	6	2	1	3
PL.39106	PL.38381	C	#2 ACSR	7.51Y	125.1	0.00	-0.13	2.23	1	16	4	97	0.00	0.0	6.186	0.050	10	3	1	2
PL.39107	PL.39106	C	#2 ACSR	7.51Y	125.1	0.00	-0.13	0.83	0	6	1	99	0.00	0.0	6.279	0.093	6	1	1	1
PL.37873	PL.52639	C	#2 ACSR	7.51Y	125.1	0.00	-0.14	0.99	1	7	2	96	0.00	0.0	6.122	0.063	7	2	1	1
PL.38016	PL.38500	A	#4 ACSR	7.53Y	125.5	0.00	-0.51	0.00	0	0	0	100	0.00	0.0	5.661	0.000	0	0	0	0
PD.6006	PL.38016	A	40QA	7.53Y	125.5	0.00	-0.51	0.00	0	0	0	100	0.00	0.0	5.661	0.000	0	0	0	0
PL.38017	PD.6006	A	#4 ACSR	7.53Y	125.5	0.00	-0.51	0.00	0	0	0	100	0.00	0.0	5.750	0.090	0	0	0	0
PL.38501	PL.38503	C	#4 ACSR	7.12Y	118.6	0.00	6.36	0.26	0	2	0	100	0.00	0.0	5.445	0.001	0	0	0	1
PD.6050	PL.38501	C	40QA	7.12Y	118.6	0.00	6.36	0.26	1	2	0	100	0.00	0.0	5.445	0.001	0	0	0	1
PL.38502	PD.6050	C	#4 ACSR	7.12Y	118.6	0.00	6.36	0.26	0	2	0	100	0.00	0.0	5.653	0.208	2	0	1	1
PL.38507	PL.36876	C	#4 ACSR	7.13Y	118.9	0.00	6.14	0.00	0	0	0	100	0.00	0.0	5.218	0.001	0	0	0	1

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Balanced Voltage Drop Report
Source: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% 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.5983	PL.38507	C	40QA	7.13Y	118.9	0.00	6.14	0.00	0	0	0	100	0.00	0.0	5.218	0.001	0	0	0	1
PL.38508	PD.5983	C	#4 ACSR	7.13Y	118.9	0.00	6.14	0.00	0	0	0	100	0.00	0.0	5.523	0.305	0	0	1	1
PL.37985	PL.37758	C	6 A (CWC)	7.16Y	119.3	0.00	5.71	4.17	3	29	7	97	0.00	0.0	4.786	0.001	0	0	0	2
PD.5978	PL.37985	C	40QA	7.16Y	119.3	0.00	5.71	4.17	10	29	7	97	0.00	0.0	4.786	0.001	0	0	0	2
PL.37986	PD.5978	C	6 A (CWC)	7.16Y	119.3	0.00	5.71	4.17	3	29	7	97	0.00	0.0	4.834	0.048	29	7	2	2
PL.37987	PL.37986	C	6 A (CWC)	7.16Y	119.3	0.00	5.71	0.00	0	0	0	100	0.00	0.0	4.869	0.036	0	0	0	0
PL.57227	PL.57225	C	#1/0 ACSR	7.18Y	119.6	0.00	5.36	1.08	0	8	2	97	0.00	0.0	4.480	0.003	0	0	0	1
PD.8272	PL.57227	C	40QA	7.18Y	119.6	0.00	5.36	1.08	3	8	2	97	0.00	0.0	4.480	0.003	0	0	0	1
PL.57228	PD.8272	C	#1/0 ACSR	7.18Y	119.6	0.00	5.36	1.08	0	8	2	97	0.00	0.0	4.584	0.104	8	2	1	1
PL.37993	PL.37996	A	6 A (CWC)	7.19Y	119.8	0.00	5.15	2.00	1	14	3	98	0.00	0.0	4.297	0.001	0	0	0	3
PD.6064	PL.37993	A	75QA	7.19Y	119.8	0.00	5.15	2.00	3	14	3	98	0.00	0.0	4.297	0.001	0	0	0	3
PL.56964	PD.6064	A	6 A (CWC)	7.19Y	119.8	0.01	5.16	2.00	1	14	3	98	0.00	0.0	4.364	0.067	4	1	2	3
PL.57055	PL.56964	A	6 A (CWC)	7.19Y	119.8	0.00	5.16	1.37	1	10	2	98	0.00	0.0	4.403	0.039	0	0	0	1
PL.37997	PL.57055	A	6 A (CWC)	7.19Y	119.8	0.00	5.16	1.37	1	10	2	98	0.00	0.0	4.436	0.034	10	2	1	1
PL.37999	PL.38000	A	#4 ACSR	7.20Y	119.9	0.00	5.07	2.58	2	18	4	98	0.00	0.0	4.227	0.001	0	0	0	4
PD.6065	PL.37999	A	75QA	7.20Y	119.9	0.00	5.07	2.58	3	18	4	98	0.00	0.0	4.227	0.001	0	0	0	4
PL.57056	PD.6065	A	#4 ACSR	7.20Y	119.9	0.01	5.08	2.58	2	18	4	98	0.00	0.0	4.290	0.062	7	2	2	4
PL.57057	PL.57056	A	#4 ACSR	7.20Y	119.9	0.00	5.08	1.55	1	11	3	96	0.00	0.0	4.367	0.077	11	3	2	2
PL.38005	PL.38003	A	#4 ACSR	7.22Y	120.4	0.00	4.64	2.19	2	15	4	97	0.00	0.0	3.833	0.001	0	0	0	2
PD.5979	PL.38005	A	75QA	7.22Y	120.4	0.00	4.64	2.19	3	15	4	97	0.00	0.0	3.833	0.001	0	0	0	2
PL.38008	PD.5979	A	#4 ACSR	7.22Y	120.4	0.01	4.65	2.19	2	15	4	97	0.00	0.0	3.888	0.056	0	0	0	2
PL.61029	PL.38008	A	#4 ACSR	7.22Y	120.3	0.00	4.65	2.19	2	15	4	97	0.00	0.0	3.945	0.057	9	2	1	2
PL.61415	PL.61029	A	#1/0 ACSR	7.22Y	120.3	0.00	4.65	0.92	0	6	2	95	0.00	0.0	3.982	0.037	6	2	1	1
PL.37677	PL.63060	B	6 A (CWC)	7.28Y	121.3	0.00	3.71	6.15	4	43	11	97	0.00	0.0	3.007	0.003	0	0	0	9
PD.6013	PL.37677	B	75QA	7.28Y	121.3	0.00	3.71	6.15	8	43	11	97	0.00	0.0	3.007	0.003	0	0	0	9
PL.37678	PD.6013	B	6 A (CWC)	7.28Y	121.3	0.04	3.75	6.15	4	43	11	97	0.01	0.0	3.143	0.137	0	0	0	9
PL.37729	PL.37678	B	6 A (CWC)	7.28Y	121.3	0.00	3.75	0.38	0	3	1	95	0.00	0.0	3.198	0.054	3	1	2	2
PL.38512	PL.37678	B	6 A (CWC)	7.27Y	121.2	0.01	3.76	5.77	4	41	10	97	0.00	0.0	3.179	0.036	7	2	2	7
PL.38513	PL.38512	B	6 A (CWC)	7.27Y	121.2	0.03	3.79	4.80	3	34	8	97	0.01	0.0	3.334	0.155	0	0	0	5
PL.38133	PL.38513	B	6 A (CWC)	7.27Y	121.2	0.00	3.80	1.80	1	13	3	97	0.00	0.0	3.430	0.096	13	3	2	2
PL.38514	PL.38513	B	6 A (CWC)	7.27Y	121.2	0.01	3.80	3.00	2	21	5	97	0.00	0.0	3.393	0.060	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: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.38515	PL.38514	B	6 A (CWC)	7.27Y	121.2	0.02	3.82	2.13	2	15	4	97	0.00	0.0	3.571	0.178	0	0	0	2
PL.38516	PL.38515	B	6 A (CWC)	7.27Y	121.2	0.00	3.82	1.36	1	10	2	98	0.00	0.0	3.710	0.139	10	2	1	1
PL.37878	PL.38515	B	6 A (CWC)	7.27Y	121.2	0.00	3.82	0.77	1	5	1	98	0.00	0.0	3.618	0.048	5	1	1	1
PL.37416	PL.38514	B	6 A (CWC)	7.27Y	121.2	0.00	3.80	0.87	1	6	2	95	0.00	0.0	3.471	0.078	6	2	1	1
PL.38010	PL.38406	A	#4 ACSR	7.31Y	121.9	0.00	3.15	1.68	1	12	3	97	0.00	0.0	2.520	0.003	0	0	0	2
PD.6051	PL.38010	A	75QA	7.31Y	121.9	0.00	3.15	1.68	2	12	3	97	0.00	0.0	2.520	0.003	0	0	0	2
PL.38011	PD.6051	A	#4 ACSR	7.31Y	121.8	0.02	3.17	1.68	1	12	3	97	0.00	0.0	2.822	0.302	2	0	1	2
PL.61391	PL.38011	A	#1/0 ACSR	7.31Y	121.8	0.00	3.17	1.46	1	10	3	96	0.00	0.0	2.877	0.055	10	3	1	1
PL.37929	PL.37928	C	6 A (CWC)	7.37Y	122.8	0.00	2.18	0.62	0	4	1	97	0.00	0.0	1.713	0.000	0	0	0	1
PD.6014	PL.37929	C	75QA	7.37Y	122.8	0.00	2.18	0.62	1	4	1	97	0.00	0.0	1.713	0.000	0	0	0	1
PL.37930	PD.6014	C	6 A (CWC)	7.37Y	122.8	0.00	2.18	0.62	0	4	1	97	0.00	0.0	1.779	0.066	4	1	1	1
PL.37401	PL.38488	A	6 A (CWC)	7.38Y	123.0	0.00	1.96	8.30	6	60	15	97	0.00	0.0	1.533	0.004	0	0	0	16
PD.5909	PL.37401	A	50L	7.38Y	123.0	0.00	1.96	8.30	17	60	15	97	0.00	0.0	1.533	0.004	0	0	0	16
PL.37650	PD.5909	A	6 A (CWC)	7.38Y	123.0	0.07	2.02	8.30	6	60	15	97	0.03	0.1	1.715	0.182	0	0	0	16
PL.38425	PL.37650	A	6 A (CWC)	7.38Y	122.9	0.04	2.07	8.30	6	59	15	97	0.02	0.0	1.825	0.110	0	0	1	16
PL.38491	PL.38425	A	6 A (CWC)	7.37Y	122.9	0.04	2.10	8.30	6	59	14	97	0.02	0.0	1.926	0.101	0	0	0	15
PL.38492	PL.38491	A	6 A (CWC)	7.37Y	122.8	0.05	2.15	7.12	5	51	12	97	0.02	0.0	2.093	0.167	8	2	2	14
PL.38493	PL.38492	A	6 A (CWC)	7.37Y	122.8	0.01	2.17	6.00	4	43	10	97	0.00	0.0	2.142	0.049	0	0	1	12
PL.38494	PL.38493	A	6 A (CWC)	7.37Y	122.8	0.02	2.18	5.97	4	43	10	97	0.01	0.0	2.206	0.063	0	0	0	11
PL.37604	PL.38494	A	6 A (CWC)	7.37Y	122.8	0.01	2.19	1.38	1	10	2	98	0.00	0.0	2.396	0.190	10	2	1	1
PL.37605	PL.37604	A	#2 ACSR	7.37Y	122.8	0.00	2.19	0.00	0	0	0	100	0.00	0.0	2.510	0.114	0	0	0	0
PL.38495	PL.38494	A	6 A (CWC)	7.37Y	122.8	0.01	2.20	4.59	3	33	8	97	0.00	0.0	2.279	0.074	5	1	2	10
PL.38496	PL.38495	A	6 A (CWC)	7.37Y	122.8	0.01	2.21	2.19	2	16	4	97	0.00	0.0	2.397	0.118	6	2	2	7
PL.38497	PL.38496	A	6 A (CWC)	7.37Y	122.8	0.02	2.23	1.33	1	10	2	98	0.00	0.0	2.777	0.380	1	0	1	5
PL.38427	PL.38497	A	6 A (CWC)	7.37Y	122.8	0.01	2.24	1.21	1	9	2	98	0.00	0.0	2.979	0.202	0	0	1	4
PL.38426	PL.38427	A	#2 ACSR	7.37Y	122.8	0.00	2.24	0.63	0	5	1	98	0.00	0.0	3.024	0.045	5	1	1	1
PL.37925	PL.38427	A	6 A (CWC)	7.37Y	122.8	0.00	2.24	0.57	0	4	1	97	0.00	0.0	3.152	0.173	4	1	1	2
PL.37926	PL.37925	A	6 A (CWC)	7.37Y	122.8	0.00	2.24	0.00	0	0	0	100	0.00	0.0	3.192	0.040	0	0	0	1
PL.37927	PL.37926	A	6 A (CWC)	7.37Y	122.8	0.00	2.24	0.00	0	0	0	100	0.00	0.0	3.227	0.035	0	0	1	1
PL.37764	PL.38495	A	6 A (CWC)	7.37Y	122.8	0.00	2.20	1.70	1	12	3	97	0.00	0.0	2.381	0.102	12	3	1	1
PL.37088	PL.38491	A	#2 ACSR	7.37Y	122.9	0.00	2.11	1.18	1	8	2	97	0.00	0.0	2.035	0.109	8	2	1	1

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Balanced Voltage Drop Report
Source: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.37752	PL.37650	A	#4 ACSR	7.38Y	123.0	0.00	2.02	0.00	0	0	0	100	0.00	0.0	1.849	0.133	0	0	0	0
PL.38489	PL.38487	C	#4 ACSR	7.40Y	123.3	0.00	1.73	1.62	1	12	3	97	0.00	0.0	1.353	0.001	0	0	0	1
PD.5902	PL.38489	C	75QA	7.40Y	123.3	0.00	1.73	1.62	2	12	3	97	0.00	0.0	1.353	0.001	0	0	0	1
PL.38490	PD.5902	C	#4 ACSR	7.40Y	123.3	0.00	1.73	1.62	1	12	3	97	0.00	0.0	1.386	0.032	12	3	1	1
PL.38334	PL.38333	B	#4 ACSR	7.44Y	123.9	0.00	1.05	0.95	1	7	2	96	0.00	0.0	0.816	0.001	0	0	0	1
PD.5903	PL.38334	B	75QA	7.44Y	123.9	0.00	1.05	0.95	1	7	2	96	0.00	0.0	0.816	0.001	0	0	0	1
PL.38335	PD.5903	B	#4 ACSR	7.44Y	123.9	0.00	1.05	0.95	1	7	2	96	0.00	0.0	0.883	0.067	7	2	1	1
PL.38329	PL.38247	C	6 A (CWC)	7.49Y	124.8	0.00	0.24	0.89	1	6	2	95	0.00	0.0	0.187	0.001	0	0	0	4
PD.5898	PL.38329	C	75QA	7.49Y	124.8	0.00	0.24	0.89	1	6	2	95	0.00	0.0	0.187	0.001	0	0	0	4
PL.38330	PD.5898	C	6 A (CWC)	7.49Y	124.8	0.00	0.24	0.89	1	6	2	95	0.00	0.0	0.247	0.061	6	2	4	4
PL.38240	PL.38239	A	#4 ACSR	7.49Y	124.9	0.00	0.13	0.00	0	0	0	100	0.00	0.0	0.109	0.006	0	0	0	0
PD.6055	PL.38240	A	75QA	7.49Y	124.9	0.00	0.13	0.00	0	0	0	100	0.00	0.0	0.109	0.006	0	0	0	0
PL.38245	PD.6055	A	#4 ACSR	7.49Y	124.9	0.00	0.13	0.00	0	0	0	100	0.00	0.0	0.169	0.060	0	0	0	0
PL.38246	PL.38245	A	#4 ACSR	7.49Y	124.9	0.00	0.13	0.00	0	0	0	100	0.00	0.0	0.277	0.108	0	0	0	0
PL.53024	Three Links	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	37.92	7	825	217	97	0.00	0.0	0.003	0.003	0	0	0	207
PL.53064	PL.53024	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	37.92	7	825	217	97	0.00	0.0	0.005	0.003	0	0	0	207
---------- Feeder No. 2 (Red Hill F2) Beginning with Device PD.8074 ----------																				
PD.8074	PL.53064	ABC	360VWE	7.50Y	125.0	0.00	0.00	37.92	0	825	217	97	0.00	0.0	0.005	0.003	0	0	0	207
PL.37267	PD.8074	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	37.92	7	825	217	97	0.01	0.0	0.017	0.012	0	0	0	207
PL.37580	PL.37267	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	0.00	0	0	0	100	0.00	0.0	0.018	0.000	0	0	0	0
PL.37268	PL.37267	ABC	336 MCM AC	7.50Y	125.0	0.02	0.02	37.92	7	825	217	97	0.08	0.0	0.081	0.064	0	0	0	207
PL.37980	PL.37268	ABC	336 MCM AC	7.50Y	125.0	0.00	0.02	0.00	0	0	0	100	0.00	0.0	0.198	0.117	0	0	0	0
PL.38421	PL.37268	ABC	336 MCM AC	7.50Y	125.0	0.01	0.04	37.92	7	825	217	97	0.06	0.0	0.131	0.050	5	1	2	207
PL.36770	PL.38421	ABC	336 MCM AC	7.50Y	124.9	0.04	0.07	37.67	7	819	216	97	0.16	0.0	0.268	0.137	7	2	1	205
PL.38236	PL.36770	C	6 A (CWC)	7.50Y	124.9	0.00	0.07	0.61	0	4	1	97	0.00	0.0	0.269	0.001	0	0	0	1
PD.5901	PL.38236	C	50QA	7.50Y	124.9	0.00	0.07	0.61	1	4	1	97	0.00	0.0	0.269	0.001	0	0	0	1
PL.38237	PD.5901	C	6 A (CWC)	7.50Y	124.9	0.00	0.07	0.61	0	4	1	97	0.00	0.0	0.298	0.028	0	0	0	1
PL.38238	PL.38237	C	6 A (CWC)	7.50Y	124.9	0.00	0.08	0.61	0	4	1	97	0.00	0.0	0.341	0.044	4	1	1	1
PL.37269	PL.38238	C	6 A (CWC)	7.50Y	124.9	0.00	0.08	0.00	0	0	0	100	0.00	0.0	0.433	0.091	0	0	0	0

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Balanced Voltage Drop Report
Source: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.37270	PL.37269	C	6 A (CWC)	7.50Y	124.9	0.00	0.08	0.00	0	0	0	100	0.00	0.0	1.198	0.765	0	0	0	0
PL.37271	PL.36770	ABC	336 MCM AC	7.49Y	124.9	0.02	0.10	37.13	7	808	212	97	0.11	0.0	0.360	0.092	9	2	1	203
PL.37884	PL.37271	ABC	336 MCM AC	7.49Y	124.9	0.02	0.12	36.74	7	799	210	97	0.10	0.0	0.444	0.084	0	0	0	202
PL.37885	PL.37884	A	#4 ACSR	7.49Y	124.9	0.00	0.12	0.62	0	4	1	97	0.00	0.0	0.449	0.004	0	0	0	1
PD.5900	PL.37885	A	50QA	7.49Y	124.9	0.00	0.12	0.62	1	4	1	97	0.00	0.0	0.449	0.004	0	0	0	1
PL.37886	PD.5900	A	#4 ACSR	7.49Y	124.9	0.00	0.12	0.62	0	4	1	97	0.00	0.0	0.528	0.079	4	1	1	1
PL.39193	PL.37884	ABC	336 MCM AC	7.49Y	124.9	0.01	0.13	36.32	7	790	208	97	0.04	0.0	0.485	0.040	0	0	0	200
PL.39194	PL.39193	C	6 A (CWC)	7.49Y	124.9	0.00	0.13	0.92	1	7	2	96	0.00	0.0	0.488	0.003	0	0	0	1
PD.6032	PL.39194	C	40QA	7.49Y	124.9	0.00	0.13	0.92	2	7	2	96	0.00	0.0	0.488	0.003	0	0	0	1
PL.39195	PD.6032	C	6 A (CWC)	7.49Y	124.9	0.00	0.13	0.92	1	7	2	96	0.00	0.0	0.528	0.040	7	2	1	1
PL.37283	PL.39193	ABC	336 MCM AC	7.49Y	124.9	0.01	0.14	36.01	7	783	206	97	0.05	0.0	0.532	0.047	0	0	0	199
PL.38244	PL.37283	A	#2 ACSR	7.49Y	124.9	0.00	0.15	1.01	1	7	2	96	0.00	0.0	0.655	0.124	7	2	1	1
PL.39196	PL.38244	A	#2 ACSR	7.49Y	124.9	0.00	0.15	0.00	0	0	0	100	0.00	0.0	1.117	0.462	0	0	0	0
PL.39197	PL.37283	ABC	336 MCM AC	7.49Y	124.8	0.04	0.18	35.68	7	775	204	97	0.15	0.0	0.669	0.137	0	0	0	198
PL.39198	PL.39197	ABC	336 MCM AC	7.49Y	124.8	0.05	0.23	35.39	7	769	202	97	0.22	0.0	0.876	0.207	0	0	0	197
PL.38475	PL.39198	ABC	336 MCM AC	7.49Y	124.8	0.01	0.25	35.39	7	769	202	97	0.06	0.0	0.933	0.057	0	0	0	197
PL.37735	PL.38475	ABC	336 MCM AC	7.48Y	124.7	0.01	0.26	35.13	7	763	200	97	0.06	0.0	0.988	0.055	0	0	0	196
PL.37179	PL.37735	ABC	336 MCM AC	7.48Y	124.7	0.01	0.28	35.13	7	763	200	97	0.06	0.0	1.046	0.058	0	0	0	196
PL.38477	PL.37179	ABC	336 MCM AC	7.48Y	124.7	0.01	0.29	35.13	7	763	200	97	0.06	0.0	1.103	0.057	0	0	0	196
PL.38478	PL.38477	C	#2 ACSR	7.48Y	124.7	0.00	0.29	0.63	0	5	1	98	0.00	0.0	1.103	0.000	0	0	0	2
PD.5896	PL.38478	C	40QA	7.48Y	124.7	0.00	0.29	0.63	2	5	1	98	0.00	0.0	1.103	0.000	0	0	0	2
PL.38479	PD.5896	C	#2 ACSR	7.48Y	124.7	0.00	0.29	0.63	0	5	1	98	0.00	0.0	1.153	0.049	5	1	2	2
PL.37630	PL.38477	ABC	336 MCM AC	7.48Y	124.7	0.01	0.31	34.92	7	758	199	97	0.06	0.0	1.161	0.059	0	0	0	194
PL.37631	PL.37630	C	#2 ACSR	7.48Y	124.7	0.00	0.31	0.00	0	0	0	100	0.00	0.0	1.163	0.002	0	0	0	0
PD.5895	PL.37631	C	40QA	7.48Y	124.7	0.00	0.31	0.00	0	0	0	100	0.00	0.0	1.163	0.002	0	0	0	0
PL.37180	PD.5895	C	#2 ACSR	7.48Y	124.7	0.00	0.31	0.00	0	0	0	100	0.00	0.0	1.188	0.024	0	0	0	0
PL.37972	PL.37630	ABC	336 MCM AC	7.48Y	124.7	0.02	0.33	34.92	7	758	198	97	0.10	0.0	1.256	0.094	0	0	0	194
PL.38483	PL.37972	C	#2 ACSR	7.48Y	124.7	0.00	0.33	0.60	0	4	1	97	0.00	0.0	1.261	0.005	0	0	0	2
PD.6031	PL.38483	C	40QA	7.48Y	124.7	0.00	0.33	0.60	1	4	1	97	0.00	0.0	1.261	0.005	0	0	0	2
PL.37973	PD.6031	C	#2 ACSR	7.48Y	124.7	0.00	0.33	0.60	0	4	1	97	0.00	0.0	1.332	0.071	0	0	0	2
PL.63039	PL.37973	C	#2 ACSR	7.48Y	124.7	0.00	0.33	0.00	0	0	0	100	0.00	0.0	1.389	0.058	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: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.63040	PL.37973	C	#2 ACSR	7.48Y	124.7	0.00	0.33	0.60	0	4	1	97	0.00	0.0	1.437	0.105	0	0	0	2
PL.63041	PL.63040	C	#2 ACSR	7.48Y	124.7	0.00	0.33	0.00	0	0	0	100	0.00	0.0	1.498	0.061	0	0	1	1
PL.63042	PL.63040	C	1/0 AL URD	7.48Y	124.7	0.00	0.33	0.60	0	4	1	97	0.00	0.0	1.480	0.043	4	1	1	1
PL.37327	PL.37972	ABC	336 MCM AC	7.48Y	124.7	0.01	0.34	34.72	7	754	197	97	0.05	0.0	1.310	0.054	0	0	0	192
PL.37974	PL.37327	ABC	336 MCM AC	7.47Y	124.5	0.13	0.48	34.72	7	754	197	97	0.54	0.1	1.843	0.533	0	0	0	192
PL.37975	PL.37974	ABC	336 MCM AC	7.46Y	124.3	0.21	0.69	33.69	6	731	190	97	0.81	0.1	2.694	0.851	4	1	1	191
PL.37025	PL.37975	ABC	336 MCM AC	7.46Y	124.3	0.04	0.73	33.49	6	726	187	97	0.17	0.0	2.877	0.183	0	0	0	190
PL.39190	PL.37025	ABC	336 MCM AC	7.45Y	124.2	0.03	0.76	33.49	6	726	187	97	0.13	0.0	3.011	0.134	0	0	0	190
PL.37468	PL.39190	ABC	336 MCM AC	7.45Y	124.2	0.02	0.79	33.29	6	721	186	97	0.08	0.0	3.097	0.085	0	0	0	189
PL.37465	PL.37468	ABC	336 MCM AC	7.45Y	124.2	0.01	0.80	33.29	6	721	185	97	0.04	0.0	3.142	0.045	0	0	0	189
PL.37461	PL.37465	ABC	336 MCM AC	7.45Y	124.2	0.04	0.84	32.93	6	713	183	97	0.16	0.0	3.313	0.171	0	0	0	187
PL.37462	PL.37461	ABC	336 MCM AC	7.45Y	124.1	0.03	0.86	32.78	6	710	182	97	0.10	0.0	3.425	0.112	1	0	1	186
PL.39189	PL.37462	ABC	336 MCM AC	7.44Y	124.0	0.12	0.98	32.71	6	708	182	97	0.44	0.1	3.913	0.489	0	0	0	185
PL.38392	PL.39189	ABC	336 MCM AC	7.44Y	124.0	0.07	1.05	32.43	6	701	179	97	0.26	0.0	4.210	0.297	8	2	1	183
PL.38395	PL.38392	B	6 A (CWC)	7.44Y	124.0	0.00	1.05	0.88	1	6	2	95	0.00	0.0	4.211	0.001	0	0	0	1
PD.6040	PL.38395	B	40QA	7.44Y	124.0	0.00	1.05	0.88	2	6	2	95	0.00	0.0	4.211	0.001	0	0	0	1
PL.57665	PD.6040	B	6 A (CWC)	7.44Y	123.9	0.00	1.05	0.88	1	6	2	95	0.00	0.0	4.274	0.063	0	0	0	1
PL.57666	PL.57665	B	#1/0 ACSR	7.44Y	123.9	0.00	1.05	0.88	0	6	2	95	0.00	0.0	4.312	0.038	0	0	0	1
PL.57664	PL.57666	B	#1/0 ACSR	7.44Y	123.9	0.00	1.05	0.88	0	6	2	95	0.00	0.0	4.369	0.057	0	0	0	1
PL.57667	PL.57664	B	#1/0 ACSR	7.44Y	123.9	0.00	1.05	0.88	0	6	2	95	0.00	0.0	4.426	0.057	6	2	1	1
PL.39187	PL.38392	ABC	336 MCM AC	7.44Y	123.9	0.03	1.08	31.79	6	687	175	97	0.11	0.0	4.344	0.134	0	0	0	181
PL.39188	PL.39187	ABC	336 MCM AC	7.43Y	123.9	0.05	1.12	31.79	6	687	175	97	0.17	0.0	4.541	0.197	0	0	0	181
PL.37469	PL.39188	ABC	336 MCM AC	7.43Y	123.8	0.04	1.16	25.72	5	556	142	97	0.12	0.0	4.748	0.207	0	0	0	145
PL.37792	PL.37469	B	6 A (CWC)	7.43Y	123.8	0.00	1.16	0.00	0	0	0	100	0.00	0.0	4.844	0.096	0	0	0	0
PL.37470	PL.37469	ABC	336 MCM AC	7.43Y	123.8	0.02	1.18	25.72	5	555	142	97	0.06	0.0	4.849	0.101	0	0	0	145
PL.37024	PL.37470	B	6 A (CWC)	7.43Y	123.8	0.00	1.18	0.96	1	7	2	96	0.00	0.0	4.850	0.001	0	0	0	5
PD.6020	PL.37024	B	40QA	7.43Y	123.8	0.00	1.18	0.96	2	7	2	96	0.00	0.0	4.850	0.001	0	0	0	5
PL.39205	PD.6020	B	6 A (CWC)	7.43Y	123.8	0.01	1.19	0.96	1	7	2	96	0.00	0.0	4.999	0.149	0	0	0	5
PL.64515	PL.39205	B	6 A (CWC)	7.43Y	123.8	0.00	1.19	0.02	0	0	0	100	0.00	0.0	5.053	0.053	0	0	1	2
PL.64516	PL.64515	B	6 A (CWC)	7.43Y	123.8	0.00	1.19	0.00	0	0	0	100	0.00	0.0	5.053	0.000	0	0	1	1
PL.39206	PL.39205	B	6 A (CWC)	7.43Y	123.8	0.00	1.19	0.94	1	7	2	96	0.00	0.0	5.109	0.110	3	1	1	3

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

Balanced Voltage Drop Report
Source: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.37393	PL.39206	B	6 A (CWC)	7.43Y	123.8	0.00	1.19	0.56	0	4	1	97	0.00	0.0	5.203	0.094	0	0	0	2
PL.37394	PL.37393	B	6 A (CWC)	7.43Y	123.8	0.00	1.20	0.56	0	4	1	97	0.00	0.0	5.326	0.122	4	1	2	2
PL.39202	PL.37470	ABC	336 MCM AC	7.43Y	123.8	0.02	1.20	25.40	5	548	140	97	0.05	0.0	4.947	0.098	0	0	0	140
PL.37395	PL.39202	ABC	336 MCM AC	7.43Y	123.8	0.05	1.25	24.41	5	527	135	97	0.13	0.0	5.214	0.267	0	0	0	138
PL.39207	PL.37395	ABC	336 MCM AC	7.42Y	123.7	0.02	1.27	24.41	5	527	134	97	0.06	0.0	5.332	0.118	0	0	0	138
PL.39209	PL.39207	ABC	336 MCM AC	7.42Y	123.7	0.01	1.28	24.41	5	527	134	97	0.02	0.0	5.374	0.042	0	0	0	138
PL.39210	PL.39209	ABC	336 MCM AC	7.42Y	123.7	0.01	1.29	24.41	5	527	134	97	0.04	0.0	5.457	0.083	0	0	0	138
PL.61046	PL.39210	ABC	336 MCM AC	7.42Y	123.7	0.03	1.32	24.41	5	527	134	97	0.08	0.0	5.616	0.159	0	0	0	138
PL.61047	PL.61046	ABC	336 MCM AC	7.42Y	123.7	0.01	1.33	24.12	5	520	132	97	0.02	0.0	5.665	0.050	0	0	0	137
PL.39211	PL.61047	ABC	336 MCM AC	7.42Y	123.7	0.02	1.35	23.83	5	514	131	97	0.05	0.0	5.776	0.111	0	0	0	136
PL.39208	PL.39211	B	#4 ACSR	7.42Y	123.7	0.00	1.35	0.65	1	5	1	98	0.00	0.0	5.779	0.003	0	0	0	3
PD.6056	PL.39208	B	40QA	7.42Y	123.7	0.00	1.35	0.65	2	5	1	98	0.00	0.0	5.779	0.003	0	0	0	3
PL.39215	PD.6056	B	#4 ACSR	7.42Y	123.7	0.00	1.35	0.65	1	5	1	98	0.00	0.0	5.822	0.043	3	1	2	3
PL.39214	PL.39215	B	#4 ACSR	7.42Y	123.7	0.00	1.35	0.28	0	2	0	100	0.00	0.0	5.949	0.127	2	0	1	1
PL.39216	PL.39211	ABC	#1/0 ACSR	7.42Y	123.6	0.05	1.39	23.61	10	509	130	97	0.17	0.0	5.888	0.112	0	0	0	133
PL.38969	PL.39216	ABC	#1/0 ACSR	7.41Y	123.6	0.03	1.42	23.61	10	509	129	97	0.10	0.0	5.957	0.068	8	2	1	133
PL.38396	PL.38969	C	#2 ACSR	7.41Y	123.6	0.00	1.42	0.00	0	0	0	100	0.00	0.0	5.959	0.003	0	0	0	1
PD.5234	PL.38396	C	20QA	7.41Y	123.6	0.00	1.42	0.00	0	0	0	100	0.00	0.0	5.959	0.003	0	0	0	1
PL.38726	PD.5234	C	#2 ACSR	7.41Y	123.6	0.00	1.42	0.00	0	0	0	100	0.00	0.0	5.995	0.036	0	0	1	1
PL.37829	PL.38969	ABC	#1/0 ACSR	7.41Y	123.5	0.04	1.46	23.23	10	501	127	97	0.14	0.0	6.054	0.098	9	2	1	131
PL.38727	PL.37829	ABC	#1/0 ACSR	7.41Y	123.5	0.02	1.48	22.84	10	492	125	97	0.07	0.0	6.101	0.047	0	0	0	130
PL.38728	PL.38727	ABC	#1/0 ACSR	7.41Y	123.5	0.03	1.51	22.84	10	492	125	97	0.09	0.0	6.163	0.062	0	0	0	130
PL.37822	PL.38728	ABC	#1/0 ACSR	7.41Y	123.5	0.02	1.53	22.83	10	492	125	97	0.08	0.0	6.219	0.056	11	3	2	129
PL.38722	PL.37822	ABC	#1/0 ACSR	7.41Y	123.5	0.02	1.54	22.34	10	481	122	97	0.05	0.0	6.259	0.040	1	0	1	127
PL.38731	PL.38722	ABC	#1/0 ACSR	7.41Y	123.4	0.02	1.57	22.29	10	480	122	97	0.08	0.0	6.317	0.058	0	0	0	126
PL.38723	PL.38731	ABC	#1/0 ACSR	7.40Y	123.4	0.02	1.59	22.29	10	480	122	97	0.07	0.0	6.371	0.054	16	4	1	126
PL.38724	PL.38723	C	#2 ACSR	7.40Y	123.4	0.00	1.59	1.88	1	14	3	98	0.00	0.0	6.377	0.006	0	0	0	1
PD.6000	PL.38724	C	20QA	7.40Y	123.4	0.00	1.59	1.88	9	14	3	98	0.00	0.0	6.377	0.006	0	0	0	1
PL.38725	PD.6000	C	#2 ACSR	7.40Y	123.4	0.00	1.59	1.88	1	14	3	98	0.00	0.0	6.481	0.104	14	3	1	1
PL.38732	PL.38723	ABC	#1/0 ACSR	7.40Y	123.4	0.02	1.61	20.94	9	451	115	97	0.06	0.0	6.420	0.048	1	0	1	124
PL.38735	PL.38732	ABC	#1/0 ACSR	7.40Y	123.4	0.01	1.62	20.90	9	450	114	97	0.03	0.0	6.450	0.030	5	1	1	123

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: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.58760	PL.38735	ABC	#1/0 ACSR	7.40Y	123.3	0.04	1.66	20.69	9	445	113	97	0.14	0.0	6.569	0.119	0	0	0	122
PD.8746	PL.58760	ABC	70L	7.40Y	123.3	0.00	1.66	20.69	30	445	113	97	0.00	0.0	6.569	0.119	0	0	0	122
PL.58761	PD.8746	ABC	#1/0 ACSR	7.40Y	123.3	0.05	1.72	20.69	9	445	113	97	0.17	0.0	6.718	0.149	0	0	0	122
PL.38390	PL.58761	ABC	#1/0 ACSR	7.39Y	123.1	0.17	1.88	20.69	9	445	113	97	0.51	0.1	7.169	0.450	0	0	0	122
PL.37879	PL.38390	ABC	#1/0 ACSR	7.38Y	123.1	0.05	1.93	20.44	9	439	111	97	0.15	0.0	7.304	0.136	0	0	0	118
PL.39218	PL.37879	A	#1/0 ACSR	7.38Y	123.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	7.306	0.001	0	0	0	0
PD.5999	PL.39218	A	20T	7.38Y	123.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	7.306	0.001	0	0	0	0
PL.39219	PD.5999	A	#1/0 ACSR	7.38Y	123.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	7.331	0.025	0	0	0	0
PL.39220	PL.37879	ABC	#1/0 ACSR	7.38Y	123.0	0.04	1.97	19.59	9	421	107	97	0.11	0.0	7.413	0.109	0	0	0	112
PL.39221	PL.39220	ABC	#1/0 ACSR	7.38Y	123.0	0.01	1.98	19.59	9	421	107	97	0.04	0.0	7.452	0.039	0	0	0	112
PL.39222	PL.39221	ABC	#1/0 ACSR	7.38Y	123.0	0.03	2.01	19.59	9	421	106	97	0.08	0.0	7.531	0.079	0	0	0	112
PL.52795	PL.39222	ABC	#1/0 ACSR	7.37Y	122.9	0.12	2.13	19.59	9	421	106	97	0.35	0.1	7.874	0.343	0	0	0	112
PL.52796	PL.52795	A	#1/0 ACSR	7.37Y	122.9	0.00	2.13	0.00	0	0	0	100	0.00	0.0	7.876	0.001	0	0	0	0
PD.5998	PL.52796	A	20QA	7.37Y	122.9	0.00	2.13	0.00	0	0	0	100	0.00	0.0	7.876	0.001	0	0	0	0
PL.39247	PD.5998	A	#1/0 ACSR	7.37Y	122.9	0.00	2.13	0.00	0	0	0	100	0.00	0.0	7.891	0.016	0	0	0	0
PL.52797	PL.52795	ABC	#1/0 ACSR	7.37Y	122.8	0.02	2.15	19.59	9	420	106	97	0.07	0.0	7.940	0.066	3	1	1	112
PL.39248	PL.52797	ABC	#1/0 ACSR	7.37Y	122.8	0.04	2.19	19.46	8	417	105	97	0.11	0.0	8.046	0.106	0	0	0	111
PL.39249	PL.39248	ABC	#1/0 ACSR	7.37Y	122.8	0.02	2.21	19.46	8	417	105	97	0.05	0.0	8.096	0.050	0	0	0	111
PL.39250	PL.39249	ABC	#1/0 ACSR	7.37Y	122.8	0.03	2.24	19.46	8	417	105	97	0.09	0.0	8.184	0.088	0	0	0	111
PL.39251	PL.39250	C	6 A (CWC)	7.37Y	122.8	0.00	2.24	2.56	2	18	4	98	0.00	0.0	8.190	0.005	0	0	0	5
PD.5956	PL.39251	C	40QA	7.37Y	122.8	0.00	2.24	2.56	6	18	4	98	0.00	0.0	8.190	0.005	0	0	0	5
PL.39257	PD.5956	C	6 A (CWC)	7.36Y	122.7	0.03	2.27	2.56	2	18	4	98	0.00	0.0	8.425	0.236	1	0	1	5
PL.39252	PL.39257	C	6 A (CWC)	7.36Y	122.7	0.00	2.27	2.40	2	17	4	97	0.00	0.0	8.471	0.045	8	2	1	4
PL.39258	PL.39252	C	6 A (CWC)	7.36Y	122.7	0.00	2.27	1.35	1	10	2	98	0.00	0.0	8.549	0.078	2	0	1	3
PL.39253	PL.39258	C	6 A (CWC)	7.36Y	122.7	0.00	2.28	1.09	1	8	2	97	0.00	0.0	8.652	0.103	8	2	2	2
PL.39254	PL.39253	C	6 A (CWC)	7.36Y	122.7	0.00	2.28	0.00	0	0	0	100	0.00	0.0	8.875	0.223	0	0	0	0
PL.37259	PL.39250	ABC	#1/0 ACSR	7.36Y	122.6	0.14	2.37	18.60	8	399	101	97	0.38	0.1	8.595	0.411	0	0	0	106
PL.37260	PL.37259	ABC	#1/0 ACSR	7.36Y	122.6	0.02	2.39	18.60	8	398	100	97	0.05	0.0	8.645	0.050	0	0	0	106
PL.37303	PL.37260	ABC	#1/0 ACSR	7.35Y	122.6	0.03	2.42	9.62	4	206	52	97	0.04	0.0	8.811	0.166	0	0	0	54
PL.39259	PL.37303	B	6 A (CWC)	7.35Y	122.5	0.06	2.48	28.86	21	206	52	97	0.10	0.0	8.859	0.048	0	0	0	54
PL.37720	PL.39259	B	6 A (CWC)	7.35Y	122.5	0.01	2.49	28.86	21	206	52	97	0.01	0.0	8.864	0.005	0	0	0	54

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

Balanced Voltage Drop Report
Source: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% 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.5910	PL.37720	B	50L	7.35Y	122.5	0.00	2.49	28.86	58	206	52	97	0.00	0.0	8.864	0.005	0	0	0	54
PL.37721	PD.5910	B	6 A (CWC)	7.35Y	122.4	0.09	2.58	28.86	21	206	52	97	0.14	0.1	8.933	0.069	0	0	0	54
PL.37722	PL.37721	B	6 A (CWC)	7.31Y	121.9	0.55	3.13	28.86	21	206	52	97	0.85	0.4	9.351	0.418	0	0	0	54
PL.39260	PL.37722	B	6 A (CWC)	7.31Y	121.8	0.11	3.24	28.36	20	201	50	97	0.17	0.1	9.437	0.086	0	0	0	53
PL.39261	PL.39260	B	6 A (CWC)	7.30Y	121.7	0.01	3.25	3.06	2	22	5	98	0.00	0.0	9.563	0.125	9	2	1	3
PL.37741	PL.39261	B	#2 ACSR	7.30Y	121.7	0.00	3.25	1.17	1	8	2	97	0.00	0.0	9.614	0.052	8	2	1	1
PL.39262	PL.39261	B	6 A (CWC)	7.30Y	121.7	0.00	3.25	0.58	0	4	1	97	0.00	0.0	9.649	0.087	4	1	1	1
PL.37407	PL.39260	B	6 A (CWC)	7.28Y	121.3	0.44	3.68	25.31	18	179	45	97	0.59	0.3	9.818	0.380	0	0	0	50
PL.37763	PL.37407	B	6 A (CWC)	7.26Y	120.9	0.38	4.06	24.04	17	170	42	97	0.49	0.3	10.167	0.350	0	0	0	46
PL.37714	PL.37763	B	#4 ACSR	7.26Y	120.9	0.00	4.06	1.10	1	8	2	97	0.00	0.0	10.218	0.051	8	2	1	1
PL.37403	PL.37763	B	6 A (CWC)	7.25Y	120.8	0.11	4.17	22.94	16	162	40	97	0.14	0.1	10.275	0.107	0	0	0	45
PL.37233	PL.37403	B	6 A (CWC)	7.24Y	120.7	0.16	4.33	22.94	16	161	40	97	0.20	0.1	10.428	0.154	0	0	0	45
PL.37207	PL.37233	B	6 A (CWC)	7.24Y	120.7	0.00	4.33	0.27	0	2	0	100	0.00	0.0	10.452	0.024	2	0	1	1
PL.39270	PL.37233	B	6 A (CWC)	7.23Y	120.5	0.15	4.48	22.66	16	159	39	97	0.18	0.1	10.578	0.150	6	2	1	44
PL.37234	PL.39270	B	6 A (CWC)	7.22Y	120.3	0.19	4.67	21.76	16	153	38	97	0.22	0.1	10.773	0.195	0	0	0	43
PL.37864	PL.37234	B	#4 ACSR	7.22Y	120.3	0.00	4.67	0.39	0	3	1	95	0.00	0.0	10.837	0.064	3	1	1	1
PL.39271	PL.37234	B	6 A (CWC)	7.20Y	120.0	0.30	4.97	21.36	15	150	37	97	0.33	0.2	11.084	0.311	5	1	3	41
PL.39272	PL.39271	B	6 A (CWC)	7.20Y	120.0	0.07	5.04	20.59	15	144	35	97	0.08	0.1	11.164	0.080	5	1	1	38
PL.37627	PL.39272	B	6 A (CWC)	7.19Y	119.8	0.15	5.19	17.61	13	123	30	97	0.14	0.1	11.356	0.192	0	0	0	35
PL.37236	PL.37627	B	6 A (CWC)	7.19Y	119.8	0.00	5.20	1.46	1	10	2	98	0.00	0.0	11.384	0.028	0	0	0	4
PL.36756	PL.37236	B	#2 ACSR	7.19Y	119.8	0.00	5.20	0.00	0	0	0	100	0.00	0.0	11.435	0.051	0	0	0	0
PL.61041	PL.37236	B	6 A (CWC)	7.19Y	119.8	0.01	5.21	1.46	1	10	2	98	0.00	0.0	11.569	0.185	4	1	1	4
PL.61042	PL.61041	B	6 A (CWC)	7.19Y	119.8	0.00	5.21	0.93	1	7	2	96	0.00	0.0	11.658	0.089	7	2	3	3
PL.39275	PL.37627	B	6 A (CWC)	7.18Y	119.7	0.07	5.26	16.15	12	113	28	97	0.06	0.1	11.452	0.097	6	1	1	31
PL.37544	PL.39275	B	6 A (CWC)	7.18Y	119.7	0.08	5.34	15.29	11	107	26	97	0.07	0.1	11.574	0.122	7	2	3	30
PL.52002	PL.37544	B	6 A (CWC)	7.18Y	119.6	0.03	5.38	13.42	10	94	23	97	0.02	0.0	11.627	0.053	0	0	0	26
PL.52001	PL.52002	B	6 A (CWC)	7.18Y	119.6	0.00	5.38	0.90	1	6	2	95	0.00	0.0	11.721	0.094	6	2	1	1
PL.52005	PL.52002	B	6 A (CWC)	7.17Y	119.5	0.12	5.50	12.52	9	87	21	97	0.08	0.1	11.845	0.218	0	0	0	25
PL.52004	PL.52005	B	6 A (CWC)	7.17Y	119.5	0.03	5.53	12.36	9	86	21	97	0.02	0.0	11.897	0.052	0	0	0	24
PL.59166	PL.52004	B	6 A (CWC)	7.17Y	119.5	0.00	5.53	12.36	9	86	21	97	0.00	0.0	11.900	0.003	0	0	0	24
PD.8805	PL.59166	B	100CodeSMo	7.17Y	119.5	0.00	5.53	12.36	0	86	21	97	0.00	0.0	11.900	0.003	0	0	0	24

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: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.59167	PD.8805	B	6 A (CWC)	7.17Y	119.5	0.02	5.55	12.36	9	86	21	97	0.01	0.0	11.930	0.030	7	2	1	24
PL.37418	PL.59167	B	6 A (CWC)	7.16Y	119.4	0.05	5.60	10.14	7	71	17	97	0.03	0.0	12.040	0.110	0	0	0	19
PL.38202	PL.37418	B	6 A (CWC)	7.16Y	119.4	0.03	5.63	3.82	3	27	6	98	0.01	0.0	12.220	0.180	0	0	0	6
PL.39059	PL.38202	B	6 A (CWC)	7.16Y	119.4	0.00	5.63	3.82	3	27	6	98	0.00	0.0	12.244	0.024	10	2	2	6
PL.39062	PL.39059	B	6 A (CWC)	7.16Y	119.4	0.00	5.63	0.56	0	4	1	97	0.00	0.0	12.328	0.084	4	1	1	1
PL.37262	PL.39062	B	6 A (CWC)	7.16Y	119.4	0.00	5.63	0.00	0	0	0	100	0.00	0.0	12.965	0.637	0	0	0	0
PL.39065	PL.37262	B	6 A (CWC)	7.16Y	119.4	0.00	5.63	0.00	0	0	0	100	0.00	0.0	13.108	0.143	0	0	0	0
PL.37670	PL.39065	B	6 A (CWC)	7.16Y	119.4	0.00	5.63	0.00	0	0	0	100	0.00	0.0	13.386	0.279	0	0	0	0
PL.37263	PL.39065	B	6 A (CWC)	7.16Y	119.4	0.00	5.63	0.00	0	0	0	100	0.00	0.0	13.253	0.145	0	0	0	0
PL.37264	PL.37263	B	6 A (CWC)	7.16Y	119.4	0.00	5.63	0.00	0	0	0	100	0.00	0.0	13.699	0.446	0	0	0	0
PL.37676	PL.37262	B	#4 ACSR	7.16Y	119.4	0.00	5.63	0.00	0	0	0	100	0.00	0.0	13.007	0.042	0	0	0	0
PL.39063	PL.39059	B	6 A (CWC)	7.16Y	119.4	0.01	5.64	1.85	1	13	3	97	0.00	0.0	12.353	0.109	0	0	0	3
PL.39064	PL.39063	B	6 A (CWC)	7.16Y	119.4	0.00	5.64	1.71	1	12	3	97	0.00	0.0	12.438	0.086	12	3	2	2
PL.37715	PL.39063	B	6 A (CWC)	7.16Y	119.4	0.00	5.64	0.14	0	1	0	100	0.00	0.0	12.421	0.068	1	0	1	1
PL.37772	PL.37418	B	6 A (CWC)	7.16Y	119.4	0.00	5.60	6.32	5	44	11	97	0.00	0.0	12.041	0.001	0	0	0	13
PD.5889	PL.37772	B	20QA	7.16Y	119.4	0.00	5.60	6.32	32	44	11	97	0.00	0.0	12.041	0.001	0	0	0	13
PL.37773	PD.5889	B	6 A (CWC)	7.16Y	119.3	0.06	5.65	6.32	5	44	11	97	0.02	0.0	12.243	0.203	2	1	2	13
PL.37774	PL.37773	B	6 A (CWC)	7.16Y	119.3	0.04	5.69	5.98	4	42	10	97	0.01	0.0	12.373	0.129	0	0	0	11
PL.37321	PL.37774	B	#4 ACSR	7.16Y	119.3	0.00	5.69	1.15	1	8	2	97	0.00	0.0	12.421	0.048	8	2	1	1
PL.39049	PL.37774	B	6 A (CWC)	7.16Y	119.3	0.02	5.71	4.82	3	34	8	97	0.01	0.0	12.481	0.108	3	1	1	10
PL.39050	PL.39049	B	6 A (CWC)	7.16Y	119.3	0.01	5.72	4.43	3	31	8	97	0.00	0.0	12.542	0.061	0	0	1	9
PL.39051	PL.39050	B	6 A (CWC)	7.16Y	119.3	0.02	5.74	4.41	3	31	7	98	0.00	0.0	12.638	0.096	0	0	0	8
PL.39052	PL.39051	B	6 A (CWC)	7.15Y	119.2	0.01	5.76	3.31	2	23	6	97	0.00	0.0	12.716	0.079	0	0	0	7
PL.39053	PL.39052	B	6 A (CWC)	7.15Y	119.2	0.01	5.77	3.31	2	23	6	97	0.00	0.0	12.789	0.073	0	0	0	7
PL.36731	PL.39053	B	6 A (CWC)	7.15Y	119.2	0.00	5.77	0.45	0	3	1	95	0.00	0.0	12.835	0.046	3	1	2	2
PL.37185	PL.39053	B	6 A (CWC)	7.15Y	119.2	0.01	5.77	2.86	2	20	5	97	0.00	0.0	12.851	0.062	2	1	1	5
PL.37186	PL.37185	B	6 A (CWC)	7.15Y	119.2	0.01	5.78	2.52	2	18	4	98	0.00	0.0	12.937	0.085	0	0	0	4
PL.39054	PL.37186	B	#2 ACSR	7.15Y	119.2	0.00	5.79	0.90	1	6	2	95	0.00	0.0	13.185	0.248	6	2	1	1
PL.39055	PL.39054	B	#2 ACSR	7.15Y	119.2	0.00	5.79	0.00	0	0	0	100	0.00	0.0	13.218	0.033	0	0	0	0
PL.37187	PL.37186	B	6 A (CWC)	7.15Y	119.2	0.01	5.79	1.61	1	11	3	96	0.00	0.0	13.057	0.121	0	0	0	3
PL.39058	PL.37187	B	6 A (CWC)	7.15Y	119.2	0.00	5.80	1.61	1	11	3	96	0.00	0.0	13.097	0.039	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: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.38201	PL.39058	B	6 A (CWC)	7.15Y	119.2	0.01	5.80	0.76	1	5	1	98	0.00	0.0	13.287	0.190	0	0	1	2
PL.39060	PL.38201	B	6 A (CWC)	7.15Y	119.2	0.00	5.80	0.69	0	5	1	98	0.00	0.0	13.333	0.045	0	0	0	1
PL.39061	PL.39060	B	6 A (CWC)	7.15Y	119.2	0.00	5.80	0.69	0	5	1	98	0.00	0.0	13.375	0.042	5	1	1	1
PL.39056	PL.39058	B	6 A (CWC)	7.15Y	119.2	0.01	5.80	0.86	1	6	1	99	0.00	0.0	13.238	0.141	0	0	0	1
PL.39057	PL.39056	B	6 A (CWC)	7.15Y	119.2	0.00	5.80	0.86	1	6	1	99	0.00	0.0	13.423	0.186	6	1	1	1
PL.37683	PL.39051	B	6 A (CWC)	7.16Y	119.3	0.00	5.75	1.11	1	8	2	97	0.00	0.0	12.727	0.089	8	2	1	1
PL.59619	PL.59167	B	6 A (CWC)	7.17Y	119.4	0.01	5.55	1.17	1	8	2	97	0.00	0.0	12.063	0.133	0	0	0	3
PL.59165	PL.59619	B	6 A (CWC)	7.17Y	119.4	0.02	5.57	1.17	1	8	2	97	0.00	0.0	12.356	0.293	0	0	0	3
PL.63047	PL.59165	B	6 A (CWC)	7.17Y	119.4	0.00	5.57	1.17	1	8	2	97	0.00	0.0	12.416	0.060	0	0	0	3
PL.63048	PL.63047	B	#1/0 ACSR	7.17Y	119.4	0.00	5.57	0.51	0	4	1	97	0.00	0.0	12.421	0.005	0	0	0	2
PD.9409	PL.63048	B	25T	7.17Y	119.4	0.00	5.57	0.51	0	4	1	97	0.00	0.0	12.421	0.005	0	0	0	2
PL.63049	PD.9409	B	#1/0 ACSR	7.17Y	119.4	0.00	5.57	0.51	0	4	1	97	0.00	0.0	12.462	0.041	0	0	0	2
PL.63050	PL.63049	B	#1/0 ACSR	7.17Y	119.4	0.00	5.57	0.51	0	4	1	97	0.00	0.0	12.519	0.058	0	0	0	2
PL.63051	PL.63050	B	#1/0 ACSR	7.17Y	119.4	0.00	5.57	0.51	0	4	1	97	0.00	0.0	12.560	0.041	4	1	2	2
PL.63046	PL.63047	B	6 A (CWC)	7.17Y	119.4	0.00	5.58	0.66	0	5	1	98	0.00	0.0	12.631	0.215	5	1	1	1
PL.59620	PL.59619	B	6 A (CWC)	7.17Y	119.4	0.00	5.55	0.00	0	0	0	100	0.00	0.0	12.116	0.054	0	0	0	0
PL.39014	PL.59620	B	6 A (CWC)	7.17Y	119.4	0.00	5.55	0.00	0	0	0	100	0.00	0.0	12.194	0.078	0	0	0	0
PL.37797	PL.59620	B	6 A (CWC)	7.17Y	119.4	0.00	5.55	0.00	0	0	0	100	0.00	0.0	12.197	0.081	0	0	0	0
PL.37727	PL.59167	B	6 A (CWC)	7.17Y	119.5	0.00	5.55	0.05	0	0	0	100	0.00	0.0	11.978	0.048	0	0	1	1
PL.52003	PL.52005	B	6 A (CWC)	7.17Y	119.5	0.00	5.50	0.16	0	1	0	100	0.00	0.0	11.892	0.047	1	0	1	1
PL.36724	PL.37544	B	6 A (CWC)	7.18Y	119.7	0.00	5.35	0.93	1	6	2	95	0.00	0.0	11.728	0.154	6	2	1	1
PL.37235	PL.39272	B	6 A (CWC)	7.20Y	120.0	0.01	5.05	2.22	2	15	4	97	0.00	0.0	11.227	0.063	0	0	0	2
PL.39273	PL.37235	B	6 A (CWC)	7.20Y	119.9	0.03	5.07	2.22	2	15	4	97	0.00	0.0	11.497	0.269	0	0	0	2
PL.39274	PL.39273	B	6 A (CWC)	7.20Y	119.9	0.00	5.07	0.00	0	0	0	100	0.00	0.0	11.571	0.075	0	0	0	0
PL.37718	PL.39273	B	#2 ACSR	7.20Y	119.9	0.00	5.07	0.09	0	1	0	100	0.00	0.0	11.529	0.033	1	0	1	1
PL.36723	PL.39273	B	#2 ACSR	7.20Y	119.9	0.00	5.08	2.12	1	15	4	97	0.00	0.0	11.598	0.101	15	4	1	1
PL.36733	PL.37234	B	#4 ACSR	7.22Y	120.3	0.00	4.67	0.00	0	0	0	100	0.00	0.0	10.872	0.099	0	0	1	1
PL.37316	PL.37407	B	6 A (CWC)	7.28Y	121.3	0.01	3.69	1.26	1	9	2	98	0.00	0.0	10.019	0.201	2	0	1	4
PL.39263	PL.37316	B	6 A (CWC)	7.28Y	121.3	0.00	3.69	0.98	1	7	2	96	0.00	0.0	10.095	0.076	0	0	0	3
PL.39266	PL.39263	B	#4 ACSR	7.28Y	121.3	0.00	3.69	0.33	0	2	1	89	0.00	0.0	10.152	0.057	0	0	0	2
PL.39267	PL.39266	B	#4 ACSR	7.28Y	121.3	0.00	3.69	0.31	0	2	1	89	0.00	0.0	10.194	0.041	2	1	1	1

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Balanced Voltage Drop Report
Source: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.39268	PL.39266	B	#4 ACSR	7.28Y	121.3	0.00	3.69	0.02	0	0	0	100	0.00	0.0	10.328	0.176	0	0	0	1
PL.39269	PL.39268	B	#4 ACSR	7.28Y	121.3	0.00	3.69	0.02	0	0	0	100	0.00	0.0	10.501	0.173	0	0	1	1
PL.39264	PL.39263	B	#4 ACSR	7.28Y	121.3	0.00	3.69	0.66	1	5	1	98	0.00	0.0	10.163	0.068	0	0	0	1
PL.39265	PL.39264	B	#4 ACSR	7.28Y	121.3	0.01	3.70	0.66	1	5	1	98	0.00	0.0	10.586	0.422	5	1	1	1
PL.36732	PL.37722	B	#2 ACSR	7.31Y	121.9	0.00	3.13	0.50	0	4	1	97	0.00	0.0	9.382	0.031	4	1	1	1
PL.39255	PL.37260	A	#1/0 ACSR	7.36Y	122.6	0.00	2.39	26.95	12	192	49	97	0.00	0.0	8.651	0.005	0	0	0	52
PD.5955	PL.39255	A	40QA	7.36Y	122.6	0.00	2.39	26.95	67	192	48	97	0.00	0.0	8.651	0.005	0	0	0	52
PL.39256	PD.5955	A	#1/0 ACSR	7.36Y	122.6	0.01	2.40	26.95	12	192	48	97	0.01	0.0	8.660	0.009	0	0	0	52
PL.37261	PL.39256	A	#1/0 ACSR	7.34Y	122.4	0.23	2.63	26.95	12	192	48	97	0.29	0.2	9.040	0.379	3	1	1	52
PL.37302	PL.37261	A	#2 ACSR	7.34Y	122.4	0.00	2.63	0.96	1	7	2	96	0.00	0.0	9.119	0.080	7	2	1	1
PL.57941	PL.37261	A	#1/0 ACSR	7.34Y	122.3	0.05	2.69	25.60	11	182	46	97	0.06	0.0	9.135	0.095	11	3	1	50
PL.57942	PL.57941	A	#1/0 ACSR	7.32Y	122.0	0.34	3.03	24.11	10	172	43	97	0.38	0.2	9.772	0.637	9	2	2	49
PL.37201	PL.57942	A	#1/0 ACSR	7.31Y	121.9	0.11	3.14	22.82	10	162	40	97	0.12	0.1	9.991	0.219	0	0	0	47
PL.37730	PL.37201	A	#4 ACSR	7.31Y	121.9	0.00	3.14	1.34	1	9	2	98	0.00	0.0	10.119	0.128	9	2	2	2
PL.39276	PL.37201	A	#1/0 ACSR	7.31Y	121.8	0.06	3.20	21.48	9	152	38	97	0.06	0.0	10.109	0.118	0	0	0	45
PL.37301	PL.39276	A	#4 ACSR	7.31Y	121.8	0.00	3.20	0.00	0	0	0	100	0.00	0.0	10.391	0.282	0	0	1	1
PL.39277	PL.39276	A	#1/0 ACSR	7.30Y	121.7	0.09	3.29	21.48	9	152	38	97	0.09	0.1	10.290	0.181	0	0	0	44
PL.52023	PL.39277	A	#1/0 ACSR	7.30Y	121.7	0.01	3.30	20.11	9	143	35	97	0.01	0.0	10.319	0.029	0	0	0	43
PL.51993	PL.52023	A	#1/0 ACSR	7.30Y	121.7	0.04	3.34	20.11	9	143	35	97	0.04	0.0	10.415	0.096	0	0	0	43
PL.51995	PL.51993	A	#1/0 ACSR	7.30Y	121.7	0.00	3.35	1.05	0	7	2	96	0.00	0.0	10.555	0.139	0	0	0	4
PL.51996	PL.51995	A	#1/0 ACSR	7.30Y	121.7	0.00	3.35	1.05	0	7	2	96	0.00	0.0	10.556	0.001	0	0	0	4
PD.8002	PL.51996	A	40QA	7.30Y	121.7	0.00	3.35	1.05	3	7	2	96	0.00	0.0	10.556	0.001	0	0	0	4
PL.51997	PD.8002	A	#1/0 ACSR	7.30Y	121.6	0.00	3.35	1.05	0	7	2	96	0.00	0.0	10.749	0.193	0	0	0	4
PL.51998	PL.51997	A	#1/0 ACSR	7.30Y	121.6	0.00	3.36	1.05	0	7	2	96	0.00	0.0	10.896	0.147	0	0	0	4
PL.51999	PL.51998	A	#1/0 ACSR	7.30Y	121.6	0.01	3.37	1.05	0	7	2	96	0.00	0.0	11.452	0.556	0	0	0	4
PL.52000	PL.51999	A	#1/0 ACSR	7.30Y	121.6	0.00	3.37	1.05	0	7	2	96	0.00	0.0	11.633	0.181	0	0	0	4
PL.52006	PL.52000	A	#1/0 ACSR	7.30Y	121.6	0.00	3.37	1.05	0	7	2	96	0.00	0.0	11.667	0.034	0	0	0	4
PL.37811	PL.52006	A	6 A (CWC)	7.30Y	121.6	0.01	3.38	1.05	1	7	2	96	0.00	0.0	11.840	0.173	2	0	1	4
PL.37810	PL.37811	A	6 A (CWC)	7.30Y	121.6	0.00	3.38	0.82	1	6	1	99	0.00	0.0	12.009	0.169	6	1	2	3
PL.39046	PL.37810	A	6 A (CWC)	7.30Y	121.6	0.00	3.38	0.00	0	0	0	100	0.00	0.0	12.143	0.134	0	0	0	1
PL.39045	PL.39046	A	6 A (CWC)	7.30Y	121.6	0.00	3.38	0.00	0	0	0	100	0.00	0.0	12.369	0.226	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: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.37476	PL.39045	A	6 A (CWC)	7.30Y	121.6	0.00	3.38	0.00	0	0	0	100	0.00	0.0	12.559	0.190	0	0	0	1
PL.39048	PL.37476	A	#4 ACSR	7.30Y	121.6	0.00	3.38	0.00	0	0	0	100	0.00	0.0	12.560	0.001	0	0	0	1
PD.6022	PL.39048	A	10QA	7.30Y	121.6	0.00	3.38	0.00	0	0	0	100	0.00	0.0	12.560	0.001	0	0	0	1
PL.64653	PD.6022	A	#4 ACSR	7.30Y	121.6	0.00	3.38	0.00	0	0	0	100	0.00	0.0	12.680	0.120	0	0	1	1
PL.64654	PL.64653	A	#4 ACSR	7.30Y	121.6	0.00	3.38	0.00	0	0	0	100	0.00	0.0	12.680	0.000	0	0	0	0
PL.39047	PL.64654	A	#4 ACSR	7.30Y	121.6	0.00	3.38	0.00	0	0	0	100	0.00	0.0	13.019	0.339	0	0	0	0
PL.37669	PL.64654	A	#4 ACSR	7.30Y	121.6	0.00	3.38	0.00	0	0	0	100	0.00	0.0	12.763	0.083	0	0	0	0
PL.51994	PL.51993	A	#1/0 ACSR	7.28Y	121.4	0.25	3.59	19.06	8	135	34	97	0.23	0.2	10.993	0.577	0	0	0	39
PL.53652	PL.51994	A	6 A (CWC)	7.28Y	121.4	0.00	3.59	0.41	0	3	1	95	0.00	0.0	10.996	0.003	0	0	0	1
PD.7917	PL.53652	A	40QA	7.28Y	121.4	0.00	3.59	0.41	1	3	1	95	0.00	0.0	10.996	0.003	0	0	0	1
PL.53653	PD.7917	A	6 A (CWC)	7.28Y	121.4	0.00	3.60	0.41	0	3	1	95	0.00	0.0	11.245	0.249	0	0	0	1
PL.39287	PL.53653	A	6 A (CWC)	7.28Y	121.4	0.01	3.61	0.41	0	3	1	95	0.00	0.0	11.735	0.491	0	0	0	1
PL.39289	PL.39287	A	6 A (CWC)	7.28Y	121.4	0.00	3.61	0.41	0	3	1	95	0.00	0.0	11.846	0.110	0	0	0	1
PL.39290	PL.39289	A	6 A (CWC)	7.28Y	121.4	0.00	3.61	0.41	0	3	1	95	0.00	0.0	12.007	0.161	0	0	0	1
PL.37398	PL.39290	A	#1/0 ACSR	7.28Y	121.4	0.00	3.61	0.00	0	0	0	100	0.00	0.0	12.083	0.076	0	0	0	0
PL.39288	PL.39290	A	6 A (CWC)	7.28Y	121.4	0.00	3.61	0.41	0	3	1	95	0.00	0.0	12.066	0.059	3	1	1	1
PL.37202	PL.39287	A	#2 ACSR	7.28Y	121.4	0.00	3.61	0.00	0	0	0	100	0.00	0.0	11.833	0.097	0	0	0	0
PL.63118	PL.51994	A	6 A (CWC)	7.26Y	121.0	0.42	4.01	18.65	13	132	33	97	0.42	0.3	11.485	0.492	0	0	0	38
PD.9463-A	PL.63118	A	Closed	7.26Y	121.0	0.00	4.01	18.65	0	131	32	97	0.00	0.0	11.485	0.492	0	0	0	38
PD.9463-B	PD.9463-A	A	Closed	7.26Y	121.0	0.00	4.01	18.65	0	131	32	97	0.00	0.0	11.485	0.492	0	0	0	38
PL.63119	PD.9463-B	A	#1/0 ACSR	7.26Y	121.0	0.02	4.03	18.65	8	131	32	97	0.02	0.0	11.534	0.049	0	0	0	38
PL.63120	PL.63119	A	#1/0 ACSR	7.26Y	121.0	0.00	4.03	0.05	0	0	0	100	0.00	0.0	11.578	0.044	0	0	1	1
PL.63122	PL.63119	A	#1/0 ACSR	7.25Y	120.9	0.10	4.13	18.59	8	131	32	97	0.09	0.1	11.770	0.237	2	0	1	37
PL.63121	PL.63122	A	#1/0 ACSR	7.25Y	120.8	0.03	4.17	18.30	8	129	32	97	0.03	0.0	11.853	0.082	0	0	0	36
PL.39286	PL.63121	A	6 A (CWC)	7.25Y	120.8	0.01	4.18	2.11	2	15	4	97	0.00	0.0	11.982	0.129	6	1	1	3
PL.37247	PL.39286	A	6 A (CWC)	7.25Y	120.8	0.00	4.18	1.25	1	9	2	98	0.00	0.0	12.013	0.031	8	2	1	2
PL.37248	PL.37247	A	6 A (CWC)	7.25Y	120.8	0.00	4.18	0.13	0	1	0	100	0.00	0.0	12.114	0.101	0	0	0	1
PL.37249	PL.37248	A	6 A (CWC)	7.25Y	120.8	0.00	4.18	0.13	0	1	0	100	0.00	0.0	12.342	0.228	1	0	1	1
PL.63127	PL.63121	A	#1/0 ACSR	7.25Y	120.8	0.02	4.18	16.19	7	114	28	97	0.01	0.0	11.901	0.048	0	0	1	33
PL.63126	PL.63127	A	#1/0 ACSR	7.24Y	120.7	0.07	4.25	16.19	7	114	28	97	0.06	0.0	12.095	0.194	0	0	0	32
PL.63123	PL.63126	A	6 A (CWC)	7.24Y	120.7	0.00	4.25	0.02	0	0	0	100	0.00	0.0	12.129	0.035	0	0	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: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.63125	PL.63126	A	6 A (CWC)	7.24Y	120.7	0.03	4.28	6.54	5	46	11	97	0.01	0.0	12.181	0.086	0	0	0	9
PL.57541	PL.63125	A	6 A (CWC)	7.24Y	120.7	0.01	4.29	3.89	3	27	7	97	0.00	0.0	12.260	0.079	5	1	2	7
PL.57542	PL.57541	A	#2 ACSR	7.24Y	120.7	0.00	4.29	1.37	1	10	2	98	0.00	0.0	12.311	0.051	10	2	1	1
PL.57540	PL.57541	A	6 A (CWC)	7.24Y	120.7	0.02	4.31	1.79	1	13	3	97	0.00	0.0	12.449	0.190	0	0	0	4
PD.6037	PL.57540	A	40QA	7.24Y	120.7	0.00	4.31	1.79	4	13	3	97	0.00	0.0	12.449	0.190	0	0	0	4
PL.37603	PD.6037	A	6 A (CWC)	7.24Y	120.7	0.00	4.31	1.79	1	13	3	97	0.00	0.0	12.450	0.001	0	0	0	4
PL.38743	PL.37603	A	6 A (CWC)	7.24Y	120.7	0.00	4.31	1.79	1	13	3	97	0.00	0.0	12.513	0.063	1	0	1	4
PL.38742	PL.38743	A	6 A (CWC)	7.24Y	120.7	0.01	4.32	1.66	1	12	3	97	0.00	0.0	12.600	0.087	0	0	0	3
PL.39285	PL.38742	A	6 A (CWC)	7.24Y	120.7	0.01	4.33	1.66	1	12	3	97	0.00	0.0	12.784	0.184	10	2	1	3
PL.37789	PL.39285	A	6 A (CWC)	7.24Y	120.7	0.00	4.33	0.00	0	0	0	100	0.00	0.0	12.893	0.109	0	0	0	0
PL.38653	PL.39285	A	6 A (CWC)	7.24Y	120.7	0.00	4.33	0.28	0	2	0	100	0.00	0.0	13.070	0.286	0	0	0	2
PL.52021	PL.38653	A	6 A (CWC)	7.24Y	120.7	0.00	4.33	0.28	0	2	0	100	0.00	0.0	13.181	0.111	2	0	2	2
PL.52022	PL.52021	A	6 A (CWC)	7.24Y	120.7	0.00	4.33	0.00	0	0	0	100	0.00	0.0	13.182	0.000	0	0	0	0
PD.7998-A	PL.52022	A	Open	7.24Y	120.7	0.00	4.33	0.00	0	0	0	100	0.00	0.0	13.182	0.000	0	0	0	0
PL.37713	PL.38742	A	6 A (CWC)	7.24Y	120.7	0.00	4.32	0.00	0	0	0	100	0.00	0.0	12.665	0.065	0	0	0	0
PL.37674	PL.63125	A	6 A (CWC)	7.24Y	120.7	0.00	4.28	0.46	0	3	1	95	0.00	0.0	12.220	0.039	3	1	1	1
PL.37607	PL.63125	A	#2 ACSR	7.24Y	120.7	0.00	4.28	2.19	1	15	4	97	0.00	0.0	12.252	0.071	15	4	1	1
PL.37608	PL.37607	A	#2 ACSR	7.24Y	120.7	0.00	4.28	0.00	0	0	0	100	0.00	0.0	12.283	0.032	0	0	0	0
PL.63124	PL.63126	A	#1/0 ACSR	7.24Y	120.7	0.01	4.26	9.63	4	68	17	97	0.00	0.0	12.142	0.047	0	0	0	21
PL.37736	PL.63124	A	#2 ACSR	7.24Y	120.7	0.00	4.27	0.90	1	6	2	95	0.00	0.0	12.209	0.067	6	2	1	1
PL.37337	PL.63124	A	6 A (CWC)	7.24Y	120.7	0.00	4.26	0.07	0	0	0	100	0.00	0.0	12.186	0.044	0	0	1	1
PL.37609	PL.63124	A	#1/0 ACSR	7.24Y	120.7	0.01	4.27	8.66	4	61	15	97	0.00	0.0	12.183	0.041	0	0	0	19
PL.37610	PL.37609	A	#1/0 ACSR	7.24Y	120.7	0.02	4.29	8.66	4	61	15	97	0.01	0.0	12.290	0.107	2	1	1	19
PL.63128	PL.37610	A	#1/0 ACSR	7.24Y	120.7	0.01	4.31	8.37	4	59	14	97	0.01	0.0	12.361	0.070	2	1	1	18
PL.63129	PL.63128	A	#1/0 ACSR	7.24Y	120.7	0.03	4.34	8.08	4	57	14	97	0.01	0.0	12.544	0.183	0	0	0	17
PL.63132	PL.63129	A	#1/0 ACSR	7.24Y	120.6	0.03	4.37	8.08	4	57	14	97	0.01	0.0	12.703	0.160	0	0	0	17
PL.63131	PL.63132	A	#2 ACSR	7.24Y	120.6	0.00	4.37	0.69	0	5	1	98	0.00	0.0	12.731	0.028	5	1	1	1
PL.63133	PL.63132	A	#1/0 ACSR	7.24Y	120.6	0.01	4.38	7.39	3	52	13	97	0.00	0.0	12.785	0.081	0	0	0	16
PL.63134	PL.63133	A	#1/0 ACSR	7.23Y	120.6	0.04	4.42	7.39	3	52	13	97	0.01	0.0	12.999	0.215	0	0	0	16
PL.64655	PL.63134	A	#1/0 ACSR	7.23Y	120.6	0.00	4.42	1.24	1	9	2	98	0.00	0.0	13.073	0.073	5	1	1	2
PL.64656	PL.64655	A	#1/0 ACSR	7.23Y	120.6	0.00	4.42	0.58	0	4	1	97	0.00	0.0	13.135	0.063	0	0	0	1

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Balanced Voltage Drop Report
Source: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.64657	PL.64656	A	1/0 AL URD	7.23Y	120.6	0.00	4.42	0.58	0	4	1	97	0.00	0.0	13.189	0.054	4	1	1	1
PL.63135	PL.63134	A	#1/0 ACSR	7.23Y	120.6	0.02	4.44	6.15	3	43	11	97	0.01	0.0	13.172	0.172	0	0	0	14
PL.63136	PL.63135	A	#1/0 ACSR	7.23Y	120.6	0.01	4.45	6.15	3	43	11	97	0.00	0.0	13.214	0.043	9	2	3	14
PL.63139	PL.63136	A	#1/0 ACSR	7.23Y	120.5	0.00	4.45	4.92	2	35	8	97	0.00	0.0	13.261	0.047	3	1	2	11
PL.63140	PL.63139	A	#1/0 ACSR	7.23Y	120.5	0.00	4.46	3.69	2	26	6	97	0.00	0.0	13.290	0.029	0	0	0	6
PL.63142	PL.63140	A	#1/0 ACSR	7.23Y	120.5	0.02	4.48	2.86	1	20	5	97	0.00	0.0	13.716	0.426	5	1	2	5
PL.63143	PL.63142	A	#1/0 ACSR	7.23Y	120.5	0.00	4.48	2.08	1	15	4	97	0.00	0.0	13.872	0.155	15	4	3	3
PL.63141	PL.63143	A	#2 ACSR	7.23Y	120.5	0.00	4.48	0.00	0	0	0	100	0.00	0.0	14.203	0.331	0	0	0	0
PL.53167	PL.63141	A	#2 ACSR	7.23Y	120.5	0.00	4.48	0.00	0	0	0	100	0.00	0.0	14.325	0.122	0	0	0	0
PL.53166	PL.53167	A	#2 ACSR	7.23Y	120.5	0.00	4.48	0.00	0	0	0	100	0.00	0.0	14.529	0.204	0	0	0	0
PD.7957-B	PL.53166	A	Open	7.23Y	120.5	0.00	4.48	0.00	0	0	0	100	0.00	0.0	14.529	0.204	0	0	0	0
PL.63137	PL.63140	A	#1/0 ACSR	7.23Y	120.5	0.00	4.46	0.83	0	6	1	99	0.00	0.0	13.355	0.065	6	1	1	1
PL.63138	PL.63139	A	#1/0 ACSR	7.23Y	120.5	0.00	4.46	0.83	0	6	1	99	0.00	0.0	13.579	0.318	3	1	1	3
PL.57573	PL.63138	A	#1/0 ACSR	7.23Y	120.5	0.00	4.46	0.02	0	0	0	100	0.00	0.0	13.648	0.068	0	0	1	1
PL.57572	PL.63138	A	#4 ACSR	7.23Y	120.5	0.00	4.46	0.40	0	3	1	95	0.00	0.0	13.627	0.048	3	1	1	1
PL.63130	PL.63129	A	#4 ACSR	7.24Y	120.7	0.00	4.34	0.00	0	0	0	100	0.00	0.0	12.599	0.055	0	0	0	0
PL.37801	PL.39277	A	#2 ACSR	7.30Y	121.7	0.00	3.29	1.37	1	10	2	98	0.00	0.0	10.338	0.048	10	2	1	1
PL.39280	PL.37879	C	#1/0 ACSR	7.38Y	123.1	0.00	1.94	2.52	1	18	4	98	0.00	0.0	7.376	0.072	0	0	0	6
PL.39281	PL.39280	C	#1/0 ACSR	7.38Y	123.1	0.00	1.94	0.32	0	2	1	89	0.00	0.0	7.540	0.164	1	0	2	3
PL.39279	PL.39281	C	#1/0 ACSR	7.38Y	123.1	0.00	1.94	0.20	0	1	0	100	0.00	0.0	7.575	0.035	1	0	1	1
PL.39278	PL.39280	C	#4 ACSR	7.38Y	123.1	0.00	1.94	2.20	2	16	4	97	0.00	0.0	7.380	0.004	0	0	0	3
PD.5957	PL.39278	C	50QA	7.38Y	123.1	0.00	1.94	2.20	4	16	4	97	0.00	0.0	7.380	0.004	0	0	0	3
PL.57784	PD.5957	C	#4 ACSR	7.38Y	123.0	0.02	1.95	2.20	2	16	4	97	0.00	0.0	7.546	0.166	0	0	0	3
PL.57785	PL.57784	C	#4 ACSR	7.38Y	123.0	0.01	1.96	2.20	2	16	4	97	0.00	0.0	7.648	0.103	9	2	2	3
PL.39282	PL.57785	C	#4 ACSR	7.38Y	123.0	0.00	1.96	1.00	1	7	2	96	0.00	0.0	7.691	0.043	7	2	1	1
PL.38736	PL.38390	ABC	#1/0 ACSR	7.39Y	123.1	0.00	1.88	0.25	0	5	1	98	0.00	0.0	7.169	0.000	0	0	0	4
PD.6027	PL.38736	ABC	75QA	7.39Y	123.1	0.00	1.88	0.25	0	5	1	98	0.00	0.0	7.169	0.000	0	0	0	4
PL.59721	PD.6027	ABC	#1/0 ACSR	7.39Y	123.1	0.00	1.88	0.25	0	5	1	98	0.00	0.0	7.191	0.022	0	0	0	4
PL.59722	PL.59721	A	#1/0 ACSR	7.39Y	123.1	0.00	1.88	0.75	0	5	1	98	0.00	0.0	7.195	0.004	0	0	0	4
PD.8890	PL.59722	A	10T	7.39Y	123.1	0.00	1.88	0.75	0	5	1	98	0.00	0.0	7.195	0.004	0	0	0	4
PL.59147	PD.8890	A	#1/0 ACSR	7.39Y	123.1	0.00	1.88	0.75	0	5	1	98	0.00	0.0	7.290	0.095	3	1	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: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.38738	PL.59147	A	#1/0 ACSR	7.39Y	123.1	0.00	1.89	0.36	0	3	1	95	0.00	0.0	7.438	0.148	1	0	1	3
PL.38739	PL.38738	A	#1/0 ACSR	7.39Y	123.1	0.00	1.89	0.27	0	2	0	100	0.00	0.0	7.581	0.144	2	0	2	2
PL.38740	PL.38739	A	#1/0 ACSR	7.39Y	123.1	0.00	1.89	0.00	0	0	0	100	0.00	0.0	7.730	0.148	0	0	0	0
PL.59723	PL.59721	ABC	#1/0 ACSR	7.39Y	123.1	0.00	1.88	0.00	0	0	0	100	0.00	0.0	7.259	0.068	0	0	0	0
PL.38737	PL.59723	ABC	#1/0 ACSR	7.39Y	123.1	0.00	1.88	0.00	0	0	0	100	0.00	0.0	7.264	0.005	0	0	0	0
PL.38733	PL.38732	C	#4 ACSR	7.40Y	123.4	0.00	1.61	0.00	0	0	0	100	0.00	0.0	6.423	0.003	0	0	0	0
PD.5958	PL.38733	C	20QA	7.40Y	123.4	0.00	1.61	0.00	0	0	0	100	0.00	0.0	6.423	0.003	0	0	0	0
PL.38734	PD.5958	C	#4 ACSR	7.40Y	123.4	0.00	1.61	0.00	0	0	0	100	0.00	0.0	6.927	0.503	0	0	0	0
PL.38729	PL.38728	A	#1/0 ACSR	7.41Y	123.5	0.00	1.51	0.04	0	0	0	100	0.00	0.0	6.166	0.002	0	0	0	1
PD.6070	PL.38729	A	20QA	7.41Y	123.5	0.00	1.51	0.04	0	0	0	100	0.00	0.0	6.166	0.002	0	0	0	1
PL.38730	PD.6070	A	#1/0 ACSR	7.41Y	123.5	0.00	1.51	0.04	0	0	0	100	0.00	0.0	6.195	0.029	0	0	1	1
PL.39217	PL.39216	A	#1/0 ACSR	7.42Y	123.6	0.00	1.39	0.00	0	0	0	100	0.00	0.0	5.891	0.003	0	0	0	0
PD.5232	PL.39217	A	25QA	7.42Y	123.6	0.00	1.39	0.00	0	0	0	100	0.00	0.0	5.891	0.003	0	0	0	0
PL.38968	PD.5232	A	#1/0 ACSR	7.42Y	123.6	0.00	1.39	0.00	0	0	0	100	0.00	0.0	5.932	0.041	0	0	0	0
PL.39212	PL.61047	B	#4 ACSR	7.42Y	123.7	0.00	1.33	0.86	1	6	2	95	0.00	0.0	5.668	0.002	0	0	0	1
PD.6057	PL.39212	B	40QA	7.42Y	123.7	0.00	1.33	0.86	2	6	2	95	0.00	0.0	5.668	0.002	0	0	0	1
PL.39213	PD.6057	B	#4 ACSR	7.42Y	123.7	0.00	1.33	0.86	1	6	2	95	0.00	0.0	5.700	0.033	6	2	1	1
PL.61048	PL.61046	C	#1/0 ACSR	7.42Y	123.7	0.00	1.32	0.89	0	6	2	95	0.00	0.0	5.619	0.003	0	0	0	1
PD.9133	PL.61048	C	20T	7.42Y	123.7	0.00	1.32	0.89	0	6	2	95	0.00	0.0	5.619	0.003	0	0	0	1
PL.61049	PD.9133	C	#1/0 ACSR	7.42Y	123.7	0.00	1.32	0.89	0	6	2	95	0.00	0.0	5.760	0.141	6	2	1	1
PL.39203	PL.39202	B	#4 ACSR	7.43Y	123.8	0.00	1.20	2.96	2	21	5	97	0.00	0.0	4.949	0.002	0	0	0	2
PD.5235	PL.39203	B	40QA	7.43Y	123.8	0.00	1.20	2.96	7	21	5	97	0.00	0.0	4.949	0.002	0	0	0	2
PL.39204	PD.5235	B	#4 ACSR	7.43Y	123.8	0.00	1.20	2.96	2	21	5	97	0.00	0.0	5.010	0.060	21	5	2	2
PL.38435	PL.39188	A	6 A (CWC)	7.43Y	123.9	0.02	1.14	18.20	13	131	32	97	0.02	0.0	4.563	0.022	14	3	2	36
PL.39185	PL.38435	A	6 A (CWC)	7.43Y	123.8	0.04	1.19	16.30	12	118	29	97	0.04	0.0	4.623	0.060	0	0	0	34
PD.5911	PL.39185	A	35L	7.43Y	123.8	0.00	1.19	16.30	47	118	29	97	0.00	0.0	4.623	0.060	0	0	0	34
PL.39186	PD.5911	A	6 A (CWC)	7.43Y	123.8	0.00	1.19	16.30	12	118	29	97	0.00	0.0	4.623	0.001	0	0	0	34
PL.59438	PL.39186	A	#1/0 ACSR	7.42Y	123.7	0.07	1.25	16.30	7	118	29	97	0.05	0.0	4.799	0.176	0	0	0	34
PL.59439	PL.59438	A	#1/0 ACSR	7.42Y	123.7	0.07	1.32	16.30	7	117	29	97	0.05	0.0	5.000	0.201	10	3	1	34
PL.59440	PL.59439	A	#1/0 ACSR	7.41Y	123.5	0.14	1.46	14.85	6	107	26	97	0.09	0.1	5.417	0.416	7	2	2	33
PL.37753	PL.59440	A	#1/0 ACSR	7.41Y	123.5	0.03	1.49	13.93	6	100	25	97	0.02	0.0	5.516	0.099	0	0	0	31

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Balanced Voltage Drop Report
Source: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.59429	PL.37753	A	#1/0 ACSR	7.41Y	123.4	0.06	1.55	12.29	5	88	22	97	0.04	0.0	5.740	0.224	4	1	4	27
PL.59443	PL.59429	A	6 A (CWC)	7.40Y	123.4	0.04	1.59	11.80	8	85	21	97	0.03	0.0	5.816	0.077	0	0	0	23
PL.37731	PL.59443	A	6 A (CWC)	7.40Y	123.4	0.00	1.59	0.00	0	0	0	100	0.00	0.0	5.877	0.060	0	0	0	0
PL.37347	PL.59443	A	6 A (CWC)	7.40Y	123.3	0.13	1.72	11.80	8	85	21	97	0.08	0.1	6.080	0.263	10	3	3	23
PL.37739	PL.37347	A	6 A (CWC)	7.40Y	123.3	0.00	1.73	1.03	1	7	2	96	0.00	0.0	6.125	0.045	7	2	2	2
PL.39182	PL.37347	A	6 A (CWC)	7.39Y	123.2	0.04	1.76	7.84	6	56	14	97	0.02	0.0	6.183	0.103	0	0	0	16
PL.39181	PL.39182	A	6 A (CWC)	7.39Y	123.2	0.07	1.83	7.84	6	56	14	97	0.03	0.1	6.390	0.208	4	1	2	16
PL.38128	PL.39181	A	6 A (CWC)	7.39Y	123.2	0.00	1.83	0.74	1	5	1	98	0.00	0.0	6.434	0.043	5	1	2	2
PL.37346	PL.39181	A	6 A (CWC)	7.39Y	123.1	0.05	1.88	6.51	5	47	11	97	0.02	0.0	6.545	0.154	0	0	0	12
PL.37478	PL.37346	A	6 A (CWC)	7.39Y	123.1	0.00	1.88	0.00	0	0	0	100	0.00	0.0	6.674	0.130	0	0	0	0
PL.37345	PL.37346	A	6 A (CWC)	7.38Y	123.0	0.07	1.95	6.04	4	43	11	97	0.02	0.1	6.811	0.266	0	0	0	11
PL.38225	PL.37345	A	6 A (CWC)	7.38Y	123.0	0.05	2.00	3.36	2	24	6	97	0.01	0.0	7.206	0.395	6	2	1	8
PL.38226	PL.38225	A	6 A (CWC)	7.38Y	123.0	0.03	2.03	2.47	2	18	4	98	0.00	0.0	7.477	0.271	0	0	0	7
PL.37761	PL.38226	A	6 A (CWC)	7.38Y	122.9	0.03	2.07	2.47	2	18	4	98	0.00	0.0	7.783	0.306	0	0	0	7
PL.37762	PL.37761	A	6 A (CWC)	7.38Y	122.9	0.01	2.08	1.49	1	11	3	96	0.00	0.0	7.922	0.139	0	0	0	4
PL.38899	PL.37762	A	6 A (CWC)	7.38Y	122.9	0.00	2.08	0.94	1	7	2	96	0.00	0.0	8.058	0.136	7	2	1	2
PL.38900	PL.38899	A	6 A (CWC)	7.38Y	122.9	0.00	2.08	0.02	0	0	0	100	0.00	0.0	8.087	0.029	0	0	1	1
PL.37178	PL.38900	A	6 A (CWC)	7.38Y	122.9	0.00	2.08	0.00	0	0	0	100	0.00	0.0	8.156	0.069	0	0	0	0
PD.5915-A	PL.37178	A	Open	7.38Y	122.9	0.00	2.08	0.00	0	0	0	100	0.00	0.0	8.156	0.069	0	0	0	0
PL.37305	PL.37762	A	6 A (CWC)	7.38Y	122.9	0.00	2.08	0.54	0	4	1	97	0.00	0.0	7.972	0.050	4	1	2	2
PL.39120	PL.37761	A	6 A (CWC)	7.38Y	122.9	0.00	2.07	0.98	1	7	2	96	0.00	0.0	7.817	0.033	0	0	0	3
PL.39121	PL.39120	A	6 A (CWC)	7.38Y	122.9	0.00	2.07	0.98	1	7	2	96	0.00	0.0	7.862	0.046	1	0	2	3
PL.38418	PL.39121	A	6 A (CWC)	7.38Y	122.9	0.00	2.07	0.80	1	6	1	99	0.00	0.0	7.881	0.019	6	1	1	1
PL.37693	PL.38226	A	6 A (CWC)	7.38Y	123.0	0.00	2.03	0.00	0	0	0	100	0.00	0.0	7.681	0.204	0	0	0	0
PL.37791	PL.37693	A	6 A (CWC)	7.38Y	123.0	0.00	2.03	0.00	0	0	0	100	0.00	0.0	7.767	0.086	0	0	0	0
PL.37694	PL.37693	A	6 A (CWC)	7.38Y	123.0	0.00	2.03	0.00	0	0	0	100	0.00	0.0	8.047	0.366	0	0	0	0
PL.39122	PL.37345	A	6 A (CWC)	7.38Y	123.0	0.01	1.96	0.93	1	7	2	96	0.00	0.0	7.132	0.321	0	0	0	1
PL.39123	PL.39122	A	6 A (CWC)	7.38Y	123.0	0.00	1.96	0.93	1	7	2	96	0.00	0.0	7.186	0.054	7	2	1	1
PL.37211	PL.39122	A	6 A (CWC)	7.38Y	123.0	0.00	1.96	0.00	0	0	0	100	0.00	0.0	7.213	0.081	0	0	0	0
PL.37279	PL.37345	A	6 A (CWC)	7.38Y	123.0	0.00	1.95	1.75	1	13	3	97	0.00	0.0	6.918	0.107	13	3	2	2
PL.37814	PL.37346	A	6 A (CWC)	7.39Y	123.1	0.00	1.88	0.47	0	3	1	95	0.00	0.0	6.678	0.133	3	1	1	1

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Balanced Voltage Drop Report
Source: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.37373	PL.37347	A	6 A (CWC)	7.40Y	123.3	0.01	1.73	1.50	1	11	3	96	0.00	0.0	6.331	0.251	11	3	2	2
PL.59441	PL.37753	A	6 A (CWC)	7.41Y	123.5	0.00	1.49	1.64	1	12	3	97	0.00	0.0	5.520	0.004	0	0	0	4
PD.8779	PL.59441	A	40QA	7.41Y	123.5	0.00	1.49	1.64	4	12	3	97	0.00	0.0	5.520	0.004	0	0	0	4
PL.59442	PD.8779	A	6 A (CWC)	7.41Y	123.5	0.01	1.50	1.64	1	12	3	97	0.00	0.0	5.676	0.156	3	1	2	4
PL.39183	PL.59442	A	6 A (CWC)	7.41Y	123.5	0.00	1.50	1.21	1	9	2	98	0.00	0.0	5.721	0.045	6	2	1	2
PL.39184	PL.39183	A	6 A (CWC)	7.41Y	123.5	0.00	1.50	0.31	0	2	1	89	0.00	0.0	5.814	0.093	2	1	1	1
PL.37871	PL.39189	B	#4 ACSR	7.44Y	124.0	0.00	0.98	0.85	1	6	1	99	0.00	0.0	3.957	0.044	0	0	0	2
PL.37889	PL.37871	B	#2 ACSR	7.44Y	124.0	0.00	0.98	0.70	0	5	1	98	0.00	0.0	4.093	0.136	5	1	1	1
PL.37383	PL.37871	B	#4 ACSR	7.44Y	124.0	0.00	0.98	0.15	0	1	0	100	0.00	0.0	4.580	0.623	0	0	0	1
PL.37384	PL.37383	B	#1/0 ACSR	7.44Y	124.0	0.00	0.99	0.15	0	1	0	100	0.00	0.0	4.682	0.102	0	0	0	1
PL.39199	PL.37384	B	#1/0 ACSR	7.44Y	124.0	0.00	0.99	0.15	0	1	0	100	0.00	0.0	4.911	0.229	1	0	1	1
PL.39200	PL.37383	B	#4 ACSR	7.44Y	124.0	0.00	0.98	0.00	0	0	0	100	0.00	0.0	4.663	0.083	0	0	0	0
PL.39201	PL.39200	B	#4 ACSR	7.44Y	124.0	0.00	0.98	0.00	0	0	0	100	0.00	0.0	4.776	0.113	0	0	0	0
PL.37463	PL.37461	B	#4 ACSR	7.45Y	124.2	0.00	0.84	0.43	0	3	1	95	0.00	0.0	3.314	0.001	0	0	0	1
PD.6036	PL.37463	B	50QA	7.45Y	124.2	0.00	0.84	0.43	1	3	1	95	0.00	0.0	3.314	0.001	0	0	0	1
PL.37464	PD.6036	B	#4 ACSR	7.45Y	124.2	0.00	0.84	0.43	0	3	1	95	0.00	0.0	3.387	0.073	3	1	1	1
PL.37466	PL.37465	A	#4 ACSR	7.45Y	124.2	0.00	0.80	1.08	1	8	2	97	0.00	0.0	3.151	0.009	0	0	0	2
PD.5997	PL.37466	A	50QA	7.45Y	124.2	0.00	0.80	1.08	2	8	2	97	0.00	0.0	3.151	0.009	0	0	0	2
PL.37467	PD.5997	A	#4 ACSR	7.45Y	124.2	0.00	0.80	1.08	1	8	2	97	0.00	0.0	3.225	0.074	0	0	0	2
PL.37258	PL.37467	A	#4 ACSR	7.45Y	124.2	0.00	0.80	0.33	0	2	1	89	0.00	0.0	3.316	0.091	2	1	1	1
PL.37276	PL.37467	A	#1/0 ACSR	7.45Y	124.2	0.00	0.80	0.75	0	5	1	98	0.00	0.0	3.292	0.066	5	1	1	1
PL.36739	PL.39190	B	6 A (CWC)	7.45Y	124.2	0.00	0.76	0.63	0	5	1	98	0.00	0.0	3.012	0.000	0	0	0	1
PD.6021	PL.36739	B	40QA	7.45Y	124.2	0.00	0.76	0.63	2	5	1	98	0.00	0.0	3.012	0.000	0	0	0	1
PL.36740	PD.6021	B	6 A (CWC)	7.45Y	124.2	0.00	0.76	0.63	0	5	1	98	0.00	0.0	3.021	0.009	5	1	1	1
PL.37976	PL.37974	C	#2 ACSR	7.47Y	124.5	0.00	0.48	3.09	2	22	5	98	0.00	0.0	1.849	0.006	0	0	0	1
PD.6033	PL.37976	C	50QA	7.47Y	124.5	0.00	0.48	3.09	6	22	5	98	0.00	0.0	1.849	0.006	0	0	0	1
PL.37977	PD.6033	C	#2 ACSR	7.47Y	124.5	0.00	0.48	3.09	2	22	5	98	0.00	0.0	1.933	0.084	22	5	1	1
PL.36875	PL.38475	C	6 A (CWC)	7.49Y	124.8	0.00	0.25	0.00	0	0	0	100	0.00	0.0	0.934	0.001	0	0	0	0
PL.38473	PL.38475	C	6 A (CWC)	7.49Y	124.8	0.00	0.25	0.76	1	6	1	99	0.00	0.0	0.934	0.001	0	0	0	1
PD.5897	PL.38473	C	40QA	7.49Y	124.8	0.00	0.25	0.76	2	6	1	99	0.00	0.0	0.934	0.001	0	0	0	1
PL.38474	PD.5897	C	6 A (CWC)	7.48Y	124.7	0.00	0.25	0.76	1	6	1	99	0.00	0.0	1.036	0.102	6	1	1	1

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Balanced Voltage Drop Report
Source: Three Links

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.37284	PL.39197	A	#2 ACSR	7.49Y	124.8	0.00	0.18	0.87	0	6	2	95	0.00	0.0	0.671	0.002	0	0	0	1
PD.6054	PL.37284	A	40QA	7.49Y	124.8	0.00	0.18	0.87	2	6	2	95	0.00	0.0	0.671	0.002	0	0	0	1
PL.37285	PD.6054	A	#2 ACSR	7.49Y	124.8	0.00	0.18	0.87	0	6	2	95	0.00	0.0	0.708	0.037	6	2	1	1
PL.39191	PL.37884	C	#4 ACSR	7.49Y	124.9	0.00	0.12	0.64	0	5	1	98	0.00	0.0	0.448	0.004	0	0	0	1
PD.6034	PL.39191	C	50QA	7.49Y	124.9	0.00	0.12	0.64	1	5	1	98	0.00	0.0	0.448	0.004	0	0	0	1
PL.39192	PD.6034	C	#4 ACSR	7.49Y	124.9	0.00	0.12	0.64	0	5	1	98	0.00	0.0	0.602	0.154	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

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	6033	0	0	0	0	0	266	0.00	6298
KVAR	1683	0	0	0	0	0	390		2072

Lowest Voltage = 118.34 on Element PL.62117
Max Accm VoltD = 6.66 on Element PL.62117
Max Elem VoltD = 0.85 on Element PL.37099