Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
McKee		ABC	SRC-McKee	7.50Y	125.0	0.00	0.00	551.50	0	11784	3887	95	0.00	0.0	0.000	0.000	0	0	0	2313
PL.67481	McKee	ABC	#3/0 ACSR	7.50Y	125.0	0.00	0.00	41.82	14	893	297	95	0.01	0.0	0.005	0.005	0	0	0	156
PL.72507	PL.67481	ABC	#3/0 ACSR	7.50Y	125.0	0.00	0.00	41.82	14	893	297	95	0.01	0.0	0.006	0.002	0	0	0	156
---------- Feeder No. 3 (Indian Creek F3) Beginning with Device PD.10789 ----------																				
PD.10789	PL.72507	ABC	400VWE	7.50Y	125.0	0.00	0.00	41.82	0	893	297	95	0.00	0.0	0.006	0.002	0	0	0	156
PL.72508	PD.10789	ABC	#3/0 ACSR	7.50Y	125.0	0.01	0.01	41.82	14	893	297	95	0.05	0.0	0.024	0.018	0	0	0	156
PL.67004	PL.72508	ABC	#3/0 ACSR	7.50Y	125.0	0.03	0.04	41.82	14	893	297	95	0.16	0.0	0.078	0.054	8	2	1	156
PL.67027	PL.67004	ABC	#3/0 ACSR	7.49Y	124.9	0.05	0.09	39.00	13	831	282	95	0.26	0.0	0.178	0.100	5	1	2	143
PL.67028	PL.67027	ABC	#3/0 ACSR	7.49Y	124.9	0.02	0.11	38.77	13	825	280	95	0.08	0.0	0.209	0.031	9	2	2	141
PL.67037	PL.67028	ABC	#3/0 ACSR	7.49Y	124.8	0.04	0.15	38.36	13	816	278	95	0.22	0.0	0.299	0.090	31	7	8	139
PL.67038	PL.67037	ABC	#3/0 ACSR	7.49Y	124.8	0.03	0.18	36.96	12	785	270	95	0.12	0.0	0.353	0.054	2	0	1	131
PL.67030	PL.67038	ABC	#3/0 ACSR	7.49Y	124.8	0.01	0.19	36.89	12	784	270	95	0.05	0.0	0.376	0.023	10	2	2	130
PL.67029	PL.67030	ABC	#3/0 ACSR	7.49Y	124.8	0.03	0.22	36.42	12	773	267	95	0.14	0.0	0.440	0.064	0	0	0	128
PL.66984	PL.67029	ABC	#3/0 ACSR	7.49Y	124.8	0.02	0.24	33.19	11	707	237	95	0.08	0.0	0.482	0.042	0	0	0	125
PL.67032	PL.66984	B	6 A (CWC)	7.49Y	124.8	0.00	0.24	0.58	0	4	1	97	0.00	0.0	0.504	0.022	4	1	1	1
PL.66517	PL.67032	B	6 A (CWC)	7.49Y	124.8	0.00	0.24	0.00	0	0	0	100	0.00	0.0	0.509	0.005	0	0	0	0
PD.10097	PL.66517	B	30T	7.49Y	124.8	0.00	0.24	0.00	0	0	0	100	0.00	0.0	0.509	0.005	0	0	0	0
PL.66518	PD.10097	B	6 A (CWC)	7.49Y	124.8	0.00	0.24	0.00	0	0	0	100	0.00	0.0	0.571	0.063	0	0	0	0
PL.66946	PL.66518	B	6 A (CWC)	7.49Y	124.8	0.00	0.24	0.00	0	0	0	100	0.00	0.0	0.649	0.078	0	0	0	0
PL.66947	PL.66946	B	#4 ACSR	7.49Y	124.8	0.00	0.24	0.00	0	0	0	100	0.00	0.0	0.712	0.063	0	0	0	0
PL.66985	PL.66984	ABC	#3/0 ACSR	7.48Y	124.7	0.02	0.26	33.00	11	703	236	95	0.08	0.0	0.527	0.045	14	3	4	124
PL.66986	PL.66985	ABC	#1/0 ACSR	7.48Y	124.7	0.06	0.32	32.35	14	688	232	95	0.28	0.0	0.628	0.100	0	0	0	120
PL.66515	PL.66986	A	#4 ACSR	7.48Y	124.7	0.00	0.32	3.31	3	24	6	97	0.00	0.0	0.632	0.005	0	0	0	4
PD.10096	PL.66515	A	30T	7.48Y	124.7	0.00	0.32	3.31	0	24	6	97	0.00	0.0	0.632	0.005	0	0	0	4
PL.66516	PD.10096	A	#4 ACSR	7.48Y	124.7	0.01	0.33	3.31	3	24	6	97	0.00	0.0	0.694	0.062	12	3	2	4
PL.67033	PL.66516	A	#4 ACSR	7.48Y	124.7	0.00	0.33	1.69	1	12	3	97	0.00	0.0	0.718	0.024	7	2	1	2
PL.67034	PL.67033	A	#4 ACSR	7.48Y	124.7	0.00	0.33	0.80	1	6	1	99	0.00	0.0	0.771	0.053	0	0	0	1
PL.66949	PL.67034	A	#1/0 ACSR	7.48Y	124.7	0.00	0.33	0.80	0	6	1	99	0.00	0.0	0.799	0.027	6	1	1	1
PL.66948	PL.66986	ABC	#1/0 ACSR	7.48Y	124.6	0.08	0.40	31.25	14	664	226	95	0.35	0.1	0.763	0.136	15	4	2	116
PL.66952	PL.66948	ABC	#1/0 ACSR	7.47Y	124.6	0.05	0.44	29.83	13	632	218	95	0.19	0.0	0.846	0.082	6	1	2	109

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.67039	PL.66952	ABC	#1/0 ACSR	7.47Y	124.5	0.03	0.48	29.55	13	626	217	94	0.14	0.0	0.906	0.060	8	2	2	107
PL.67040	PL.67039	ABC	#1/0 ACSR	7.47Y	124.5	0.02	0.50	29.17	13	618	215	94	0.10	0.0	0.951	0.046	0	0	0	105
PL.67041	PL.67040	ABC	#1/0 ACSR	7.47Y	124.5	0.03	0.53	29.17	13	617	214	94	0.12	0.0	1.006	0.055	10	2	2	105
PL.66987	PL.67041	ABC	#1/0 ACSR	7.47Y	124.4	0.04	0.57	28.55	12	604	211	94	0.14	0.0	1.073	0.067	8	2	2	102
PL.66953	PL.66987	ABC	#1/0 ACSR	7.46Y	124.4	0.05	0.61	28.17	12	595	209	94	0.18	0.0	1.159	0.086	5	1	3	100
PL.66988	PL.66953	ABC	#1/0 ACSR	7.46Y	124.3	0.05	0.66	27.52	12	581	205	94	0.18	0.0	1.248	0.089	2	1	1	95
PL.67075	PL.66988	A	#4 ACSR	7.46Y	124.3	0.00	0.66	0.78	1	6	1	99	0.00	0.0	1.253	0.005	0	0	0	1
PD.10084	PL.67075	A	30T	7.46Y	124.3	0.00	0.66	0.78	0	6	1	99	0.00	0.0	1.253	0.005	0	0	0	1
PL.67076	PD.10084	A	#4 ACSR	7.46Y	124.3	0.00	0.66	0.78	1	6	1	99	0.00	0.0	1.349	0.096	6	1	1	1
PL.66956	PL.66988	ABC	#3/0 ACSR	7.46Y	124.3	0.04	0.69	27.16	9	573	203	94	0.12	0.0	1.349	0.101	15	4	2	93
PL.66957	PL.66956	ABC	#2/0 ACSR	7.46Y	124.3	0.05	0.74	26.48	10	558	199	94	0.17	0.0	1.464	0.115	0	0	0	91
PL.67006	PL.66957	ABC	#2/0 ACSR	7.45Y	124.2	0.04	0.78	26.48	10	558	199	94	0.15	0.0	1.565	0.102	0	0	0	91
PL.66493	PL.67006	C	6 A (CWC)	7.45Y	124.2	0.00	0.78	1.88	1	14	3	98	0.00	0.0	1.570	0.005	0	0	0	3
PD.10085	PL.66493	C	30T	7.45Y	124.2	0.00	0.78	1.88	0	14	3	98	0.00	0.0	1.570	0.005	0	0	0	3
PL.66494	PD.10085	C	6 A (CWC)	7.45Y	124.2	0.00	0.79	1.88	1	14	3	98	0.00	0.0	1.637	0.067	6	1	1	3
PL.66958	PL.66494	C	6 A (CWC)	7.45Y	124.2	0.00	0.79	0.00	0	0	0	100	0.00	0.0	1.691	0.055	0	0	0	0
PL.66959	PL.66494	C	6 A (CWC)	7.45Y	124.2	0.00	0.79	1.03	1	7	2	96	0.00	0.0	1.716	0.079	4	1	1	2
PL.66961	PL.66959	C	#4 ACSR	7.45Y	124.2	0.00	0.79	0.44	0	3	1	95	0.00	0.0	1.768	0.052	3	1	1	1
PL.66989	PL.67006	ABC	#2/0 ACSR	7.45Y	124.2	0.05	0.83	25.85	10	544	196	94	0.16	0.0	1.679	0.114	3	1	1	88
PL.67087	PL.66989	ABC	#4 ACSR	7.45Y	124.2	0.00	0.83	0.09	0	2	1	89	0.00	0.0	1.684	0.005	0	0	0	2
PD.10103	PL.67087	ABC	30T	7.45Y	124.2	0.00	0.83	0.09	0	2	1	89	0.00	0.0	1.684	0.005	0	0	0	2
PL.67088	PD.10103	ABC	#4 ACSR	7.45Y	124.2	0.00	0.83	0.09	0	2	1	89	0.00	0.0	1.737	0.053	2	1	2	2
PL.66963	PL.67088	ABC	#4 ACSR	7.45Y	124.2	0.00	0.83	0.00	0	0	0	100	0.00	0.0	1.739	0.002	0	0	0	0
PL.67042	PL.66989	ABC	#2/0 ACSR	7.45Y	124.1	0.03	0.86	25.63	9	539	194	94	0.11	0.0	1.763	0.084	10	2	1	85
PL.67043	PL.67042	ABC	#2/0 ACSR	7.45Y	124.1	0.02	0.88	25.16	9	529	191	94	0.07	0.0	1.813	0.050	4	1	1	84
PL.67045	PL.67043	ABC	#2/0 ACSR	7.44Y	124.1	0.06	0.95	24.96	9	524	190	94	0.21	0.0	1.976	0.163	2	1	1	83
PL.67046	PL.67045	ABC	#2/0 ACSR	7.44Y	124.0	0.02	0.97	24.86	9	522	189	94	0.08	0.0	2.039	0.063	8	2	2	82
PL.67044	PL.67046	ABC	#2/0 ACSR	7.44Y	124.0	0.03	1.00	24.47	9	513	187	94	0.10	0.0	2.115	0.076	5	1	1	80
PL.66964	PL.67044	ABC	#2/0 ACSR	7.44Y	124.0	0.04	1.04	24.26	9	508	186	94	0.13	0.0	2.217	0.102	6	1	3	79
PL.66966	PL.66964	C	6 A (CWC)	7.44Y	124.0	0.00	1.04	0.08	0	1	0	100	0.00	0.0	2.276	0.059	1	0	1	1
PL.67053	PL.66964	ABC	#2/0 ACSR	7.44Y	124.0	0.01	1.05	23.96	9	502	184	94	0.03	0.0	2.240	0.023	3	1	2	74

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.67054	PL.67053	ABC	#2/0 ACSR	7.44Y	123.9	0.02	1.07	23.81	9	499	184	94	0.07	0.0	2.300	0.059	1	0	1	72
PL.66990	PL.67054	ABC	#2/0 ACSR	7.43Y	123.9	0.04	1.11	23.54	9	493	182	94	0.11	0.0	2.394	0.094	0	0	0	68
PL.66991	PL.66990	ABC	#2/0 ACSR	7.43Y	123.9	0.04	1.14	19.77	7	410	162	93	0.10	0.0	2.511	0.117	0	0	0	42
PL.67012	PL.66991	ABC	#2/0 ACSR	7.43Y	123.8	0.05	1.19	19.77	7	410	162	93	0.13	0.0	2.662	0.151	0	0	0	42
PL.66995	PL.67012	ABC	#2/0 ACSR	7.43Y	123.8	0.03	1.22	19.56	7	405	161	93	0.07	0.0	2.747	0.085	3	1	1	41
PL.66497	PL.66995	C	6 A (CWC)	7.43Y	123.8	0.00	1.22	0.00	0	0	0	100	0.00	0.0	2.752	0.005	0	0	0	1
PD.10088	PL.66497	C	30T	7.43Y	123.8	0.00	1.22	0.00	0	0	0	100	0.00	0.0	2.752	0.005	0	0	0	1
PL.66498	PD.10088	C	6 A (CWC)	7.43Y	123.8	0.00	1.22	0.00	0	0	0	100	0.00	0.0	2.910	0.158	0	0	0	1
PL.66976	PL.66498	C	#4 ACSR	7.43Y	123.8	0.00	1.22	0.00	0	0	0	100	0.00	0.0	2.975	0.065	0	0	0	1
PL.67013	PL.66976	C	#4 ACSR	7.43Y	123.8	0.00	1.22	0.00	0	0	0	100	0.00	0.0	3.142	0.168	0	0	1	1
PL.66996	PL.66995	ABC	#2/0 ACSR	7.43Y	123.8	0.01	1.23	19.41	7	402	160	93	0.04	0.0	2.792	0.045	0	0	0	39
PL.67056	PL.66996	ABC	#2/0 ACSR	7.42Y	123.7	0.02	1.26	19.41	7	402	160	93	0.06	0.0	2.866	0.074	9	2	2	39
PL.67057	PL.67056	ABC	#2/0 ACSR	7.42Y	123.7	0.02	1.28	18.99	7	393	157	93	0.05	0.0	2.930	0.064	0	0	0	37
PL.67022	PL.67057	ABC	#2/0 ACSR	7.42Y	123.7	0.04	1.31	18.99	7	392	157	93	0.09	0.0	3.050	0.121	0	0	0	37
PL.66997	PL.67022	ABC	#2/0 ACSR	7.42Y	123.7	0.01	1.33	18.74	7	387	156	93	0.04	0.0	3.099	0.049	0	0	0	35
PL.66501	PL.66997	C	#4 ACSR	7.42Y	123.7	0.00	1.33	0.43	0	3	1	95	0.00	0.0	3.104	0.005	0	0	0	3
PD.10090	PL.66501	C	30T	7.42Y	123.7	0.00	1.33	0.43	0	3	1	95	0.00	0.0	3.104	0.005	0	0	0	3
PL.66502	PD.10090	C	#4 ACSR	7.42Y	123.7	0.00	1.33	0.43	0	3	1	95	0.00	0.0	3.151	0.047	3	1	3	3
PL.66998	PL.66997	ABC	#2/0 ACSR	7.42Y	123.7	0.02	1.35	18.59	7	384	155	93	0.05	0.0	3.163	0.063	0	0	0	32
PL.66503	PL.66998	B	1/0 AL URD	7.42Y	123.7	0.00	1.35	1.71	1	12	3	97	0.00	0.0	3.167	0.005	0	0	0	1
PD.10091	PL.66503	B	30T	7.42Y	123.7	0.00	1.35	1.71	0	12	3	97	0.00	0.0	3.167	0.005	0	0	0	1
PL.66504	PD.10091	B	1/0 AL URD	7.42Y	123.7	0.00	1.35	1.71	1	12	3	97	0.00	0.0	3.199	0.032	12	3	1	1
PL.66999	PL.66998	ABC	#2/0 ACSR	7.42Y	123.6	0.03	1.38	18.03	7	371	152	93	0.07	0.0	3.267	0.104	0	0	0	31
PL.67014	PL.66999	ABC	#2/0 ACSR	7.42Y	123.6	0.03	1.41	18.03	7	371	152	93	0.08	0.0	3.382	0.116	0	0	1	31
PL.66509	PL.67014	ABC	#2/0 ACSR	7.42Y	123.6	0.00	1.41	17.66	7	363	150	92	0.00	0.0	3.386	0.004	0	0	0	27
PL.66510	PL.66509	ABC	#2/0 ACSR	7.41Y	123.5	0.04	1.45	17.66	7	363	150	92	0.10	0.0	3.532	0.146	0	0	0	27
PL.67015	PL.66510	ABC	#2/0 ACSR	7.41Y	123.5	0.04	1.49	17.66	7	363	150	92	0.10	0.0	3.680	0.148	0	0	0	27
PL.67016	PL.67015	ABC	#2/0 ACSR	7.41Y	123.5	0.04	1.54	17.66	7	363	150	92	0.09	0.0	3.822	0.142	0	0	0	27
PL.67017	PL.67016	ABC	#2/0 ACSR	7.41Y	123.4	0.05	1.58	17.66	7	363	150	92	0.11	0.0	3.991	0.168	8	2	1	27
PL.67081	PL.67017	C	6 A (CWC)	7.41Y	123.4	0.00	1.58	1.70	1	12	3	97	0.00	0.0	3.995	0.004	0	0	0	3
PD.10100	PL.67081	C	30T	7.41Y	123.4	0.00	1.58	1.70	0	12	3	97	0.00	0.0	3.995	0.004	0	0	0	3

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Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.67082	PD.10100	C	6 A (CWC)	7.40Y	123.4	0.00	1.58	1.70	1	12	3	97	0.00	0.0	4.036	0.041	12	3	3	3
PL.66977	PL.67017	ABC	#2/0 ACSR	7.40Y	123.4	0.03	1.61	16.73	6	342	145	92	0.06	0.0	4.095	0.105	0	0	0	23
PL.67018	PL.66977	ABC	#2/0 ACSR	7.40Y	123.4	0.02	1.63	16.73	6	342	145	92	0.05	0.0	4.181	0.086	0	0	0	23
PL.66505	PL.67018	C	#4 ACSR	7.40Y	123.4	0.00	1.63	0.90	1	6	2	95	0.00	0.0	4.186	0.005	0	0	0	1
PD.10092	PL.66505	C	30T	7.40Y	123.4	0.00	1.63	0.90	0	6	2	95	0.00	0.0	4.186	0.005	0	0	0	1
PL.66506	PD.10092	C	#4 ACSR	7.40Y	123.4	0.00	1.64	0.90	1	6	2	95	0.00	0.0	4.241	0.055	6	2	1	1
PL.67000	PL.67018	ABC	#2/0 ACSR	7.40Y	123.3	0.03	1.66	16.44	6	336	143	92	0.06	0.0	4.286	0.105	0	0	0	22
PL.67019	PL.67000	ABC	#2/0 ACSR	7.40Y	123.3	0.03	1.69	16.44	6	336	143	92	0.07	0.0	4.402	0.116	0	0	0	22
PL.67001	PL.67019	ABC	#2/0 ACSR	7.40Y	123.3	0.02	1.71	16.39	6	335	143	92	0.04	0.0	4.480	0.077	0	0	0	20
PL.67002	PL.67001	ABC	#2/0 ACSR	7.39Y	123.2	0.04	1.75	15.98	6	326	140	92	0.08	0.0	4.632	0.152	0	0	0	16
PL.66978	PL.67002	ABC	#2/0 ACSR	7.39Y	123.2	0.01	1.77	15.98	6	326	140	92	0.03	0.0	4.687	0.055	0	0	0	16
PL.67062	PL.66978	ABC	#2/0 ACSR	7.39Y	123.2	0.01	1.78	15.61	6	317	138	92	0.03	0.0	4.745	0.058	3	1	1	14
PL.67063	PL.67062	ABC	#2/0 ACSR	7.39Y	123.2	0.02	1.80	15.45	6	314	137	92	0.04	0.0	4.830	0.084	0	0	0	13
PL.66980	PL.67063	ABC	#2/0 ACSR	7.39Y	123.2	0.02	1.83	15.45	6	314	137	92	0.03	0.0	4.972	0.142	238	115	1	13
PL.67023	PL.66980	ABC	#2/0 ACSR	7.39Y	123.2	0.00	1.83	3.59	1	76	22	96	0.00	0.0	4.986	0.014	0	0	0	12
PL.66981	PL.67023	C	#1/0 ACSR	7.39Y	123.2	0.02	1.85	10.76	5	76	22	96	0.01	0.0	5.073	0.087	0	0	0	12
PL.67020	PL.66981	C	#1/0 ACSR	7.39Y	123.1	0.03	1.88	10.76	5	76	22	96	0.02	0.0	5.204	0.131	0	0	0	12
PL.67021	PL.67020	C	#1/0 ACSR	7.39Y	123.1	0.02	1.90	10.76	5	76	22	96	0.01	0.0	5.277	0.073	0	0	0	12
PL.67064	PL.67021	C	#4 ACSR	7.39Y	123.1	0.00	1.90	0.00	0	0	0	100	0.00	0.0	5.313	0.036	0	0	0	0
PL.67065	PL.67064	C	#4 ACSR	7.39Y	123.1	0.00	1.90	0.00	0	0	0	100	0.00	0.0	5.315	0.002	0	0	0	0
PL.66982	PL.67021	C	8 A (CWC)	7.38Y	123.1	0.02	1.92	10.76	11	76	22	96	0.01	0.0	5.299	0.022	0	0	0	12
PD.10105-A	PL.66982	C	Closed	7.38Y	123.1	0.00	1.92	10.76	0	76	22	96	0.00	0.0	5.299	0.022	0	0	0	12
PD.10105-B	PD.10105-A	C	Closed	7.38Y	123.1	0.00	1.92	10.76	0	76	22	96	0.00	0.0	5.299	0.022	0	0	0	12
PL.67005	PD.10105-B	C	#1/0 ACSR	7.38Y	123.1	0.00	1.92	10.76	5	76	22	96	0.00	0.0	5.304	0.004	0	0	0	12
PL.72509	PL.67005	C	#1/0 ACSR	7.38Y	123.1	0.01	1.93	10.76	5	76	22	96	0.01	0.0	5.358	0.055	0	0	0	12
PL.41669	PL.72509	C	#1/0 ACSR	7.38Y	123.1	0.01	1.95	10.76	5	76	22	96	0.01	0.0	5.413	0.055	0	0	0	12
PL.40614	PL.41669	C	#1/0 ACSR	7.38Y	123.0	0.02	1.97	10.76	5	76	22	96	0.01	0.0	5.502	0.089	11	3	2	12
PL.40609	PL.40614	C	#1/0 ACSR	7.38Y	123.0	0.08	2.05	6.64	3	47	14	96	0.02	0.1	5.992	0.490	0	0	0	8
PL.40611	PL.40609	C	#1/0 ACSR	7.38Y	122.9	0.01	2.06	6.64	3	47	14	96	0.00	0.0	6.077	0.085	0	0	0	8
PL.40612	PL.40611	C	6 A (CWC)	7.38Y	122.9	0.01	2.07	3.28	2	23	7	96	0.00	0.0	6.154	0.077	11	3	2	3
PL.40613	PL.40612	C	6 A (CWC)	7.38Y	122.9	0.00	2.07	1.68	1	12	3	97	0.00	0.0	6.222	0.068	12	3	1	1

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.40610	PL.40611	C	#1/0 ACSR	7.37Y	122.9	0.04	2.11	3.36	1	24	7	96	0.01	0.0	6.607	0.530	0	0	0	5
PL.40608	PL.40610	C	#1/0 ACSR	7.37Y	122.9	0.01	2.12	1.46	1	10	3	96	0.00	0.0	6.943	0.336	0	0	1	2
PL.40684	PL.40608	C	6 A (CWC)	7.37Y	122.9	0.00	2.12	1.46	1	10	3	96	0.00	0.0	6.972	0.029	0	0	0	1
PL.40685	PL.40684	C	6 A (CWC)	7.37Y	122.9	0.00	2.12	1.46	1	10	3	96	0.00	0.0	7.031	0.059	10	3	1	1
PL.40683	PL.40608	C	#1/0 ACSR	7.37Y	122.9	0.00	2.12	0.00	0	0	0	100	0.00	0.0	6.962	0.019	0	0	0	0
PL.40686	PL.40610	C	6 A (CWC)	7.37Y	122.9	0.00	2.11	1.89	1	13	4	96	0.00	0.0	6.659	0.052	0	0	1	2
PL.40607	PL.40686	C	6 A (CWC)	7.37Y	122.9	0.00	2.11	1.87	1	13	4	96	0.00	0.0	6.715	0.056	13	4	1	1
PL.39662	PL.40610	C	#4 ACSR	7.37Y	122.9	0.00	2.11	0.01	0	0	0	100	0.00	0.0	6.803	0.196	0	0	1	1
PL.40615	PL.40614	C	6 A (CWC)	7.38Y	123.0	0.00	1.97	2.54	2	18	5	96	0.00	0.0	5.508	0.006	0	0	0	2
PD.6245	PL.40615	C	20QA	7.38Y	123.0	0.00	1.97	2.54	13	18	5	96	0.00	0.0	5.508	0.006	0	0	0	2
PL.40616	PD.6245	C	6 A (CWC)	7.38Y	123.0	0.00	1.98	2.54	2	18	5	96	0.00	0.0	5.551	0.043	0	0	0	2
PL.40617	PL.40616	C	6 A (CWC)	7.38Y	123.0	0.03	2.00	2.54	2	18	5	96	0.00	0.0	5.784	0.234	0	0	0	2
PL.40692	PL.40617	C	6 A (CWC)	7.38Y	123.0	0.00	2.01	1.83	1	13	4	96	0.00	0.0	5.828	0.043	13	4	1	1
PL.40618	PL.40617	C	6 A (CWC)	7.38Y	123.0	0.00	2.01	0.70	1	5	1	98	0.00	0.0	6.026	0.242	5	1	1	1
PL.40148	PL.40618	C	#4 ACSR	7.38Y	123.0	0.00	2.01	0.00	0	0	0	100	0.00	0.0	6.095	0.069	0	0	0	0
PL.40619	PL.40618	C	6 A (CWC)	7.38Y	123.0	0.00	2.01	0.00	0	0	0	100	0.00	0.0	6.220	0.194	0	0	0	0
PL.66512	PL.66978	C	#4 ACSR	7.39Y	123.2	0.00	1.77	1.12	1	8	2	97	0.00	0.0	4.692	0.005	0	0	0	2
PD.10094	PL.66512	C	30T	7.39Y	123.2	0.00	1.77	1.12	0	8	2	97	0.00	0.0	4.692	0.005	0	0	0	2
PL.66511	PD.10094	C	#4 ACSR	7.39Y	123.2	0.00	1.77	1.12	1	8	2	97	0.00	0.0	4.716	0.024	8	2	2	2
PL.66513	PL.67001	C	6 A (CWC)	7.40Y	123.3	0.00	1.71	1.26	1	9	2	98	0.00	0.0	4.484	0.005	0	0	0	4
PD.10095	PL.66513	C	30T	7.40Y	123.3	0.00	1.71	1.26	0	9	2	98	0.00	0.0	4.484	0.005	0	0	0	4
PL.66514	PD.10095	C	6 A (CWC)	7.40Y	123.3	0.00	1.72	1.26	1	9	2	98	0.00	0.0	4.545	0.060	0	0	1	4
PL.66979	PL.66514	C	#4 ACSR	7.40Y	123.3	0.01	1.73	1.25	1	9	2	98	0.00	0.0	4.748	0.203	0	0	0	3
PL.67047	PL.66979	C	#4 ACSR	7.40Y	123.3	0.00	1.73	1.25	1	9	2	98	0.00	0.0	4.813	0.065	3	1	1	3
PL.67048	PL.67047	C	#4 ACSR	7.40Y	123.3	0.00	1.73	0.86	1	6	1	99	0.00	0.0	4.855	0.042	6	1	2	2
PL.67084	PL.67019	C	6 A (CWC)	7.40Y	123.3	0.00	1.69	0.15	0	1	0	100	0.00	0.0	4.407	0.005	0	0	0	2
PD.10101	PL.67084	C	30T	7.40Y	123.3	0.00	1.69	0.15	0	1	0	100	0.00	0.0	4.407	0.005	0	0	0	2
PL.67083	PD.10101	C	6 A (CWC)	7.40Y	123.3	0.00	1.69	0.15	0	1	0	100	0.00	0.0	4.496	0.089	1	0	2	2
PL.66507	PL.67014	A	#2 ACSR	7.42Y	123.6	0.00	1.41	1.12	1	8	2	97	0.00	0.0	3.387	0.004	0	0	0	3
PD.10093	PL.66507	A	30T	7.42Y	123.6	0.00	1.41	1.12	0	8	2	97	0.00	0.0	3.387	0.004	0	0	0	3
PL.66508	PD.10093	A	#2 ACSR	7.42Y	123.6	0.00	1.41	1.12	1	8	2	97	0.00	0.0	3.420	0.033	8	2	3	3

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.67080	PL.67022	C	6 A (CWC)	7.42Y	123.7	0.00	1.31	0.05	0	0	0	100	0.00	0.0	3.055	0.005	0	0	0	1
PD.10099	PL.67080	C	30T	7.42Y	123.7	0.00	1.31	0.05	0	0	0	100	0.00	0.0	3.055	0.005	0	0	0	1
PL.67079	PD.10099	C	6 A (CWC)	7.42Y	123.7	0.00	1.31	0.05	0	0	0	100	0.00	0.0	3.085	0.030	0	0	1	1
PL.66499	PL.67022	A	6 A (CWC)	7.42Y	123.7	0.00	1.31	0.71	1	5	1	98	0.00	0.0	3.055	0.005	0	0	0	1
PD.10089	PL.66499	A	30T	7.42Y	123.7	0.00	1.31	0.71	0	5	1	98	0.00	0.0	3.055	0.005	0	0	0	1
PL.66500	PD.10089	A	6 A (CWC)	7.42Y	123.7	0.00	1.31	0.71	1	5	1	98	0.00	0.0	3.092	0.037	0	0	0	1
PL.66983	PL.66500	A	6 A (CWC)	7.42Y	123.7	0.00	1.31	0.71	1	5	1	98	0.00	0.0	3.168	0.076	5	1	1	1
PL.66495	PL.67012	A	6 A (CWC)	7.43Y	123.8	0.00	1.19	0.65	0	5	1	98	0.00	0.0	2.667	0.005	0	0	0	1
PD.10087	PL.66495	A	30T	7.43Y	123.8	0.00	1.19	0.65	0	5	1	98	0.00	0.0	2.667	0.005	0	0	0	1
PL.66496	PD.10087	A	6 A (CWC)	7.43Y	123.8	0.00	1.19	0.65	0	5	1	98	0.00	0.0	2.685	0.018	0	0	0	1
PL.67055	PL.66496	A	6 A (CWC)	7.43Y	123.8	0.00	1.19	0.65	0	5	1	98	0.00	0.0	2.741	0.055	0	0	0	1
PL.66975	PL.67055	A	6 A (CWC)	7.43Y	123.8	0.00	1.20	0.65	0	5	1	98	0.00	0.0	2.780	0.039	5	1	1	1
PL.67089	PL.66990	C	6 A (CWC)	7.43Y	123.8	0.06	1.16	11.39	8	82	20	97	0.04	0.0	2.506	0.112	0	0	0	26
PD.10106	PL.67089	C	50L	7.43Y	123.8	0.00	1.16	11.39	23	82	20	97	0.00	0.0	2.506	0.112	0	0	0	26
PL.67090	PD.10106	C	6 A (CWC)	7.43Y	123.8	0.02	1.18	11.39	8	82	20	97	0.01	0.0	2.539	0.033	5	1	1	26
PL.67066	PL.67090	C	6 A (CWC)	7.43Y	123.8	0.03	1.21	10.73	8	77	19	97	0.02	0.0	2.607	0.068	0	0	0	25
PL.67051	PL.67066	C	6 A (CWC)	7.43Y	123.8	0.02	1.24	10.73	8	77	19	97	0.01	0.0	2.652	0.045	10	2	2	25
PL.67052	PL.67051	C	6 A (CWC)	7.42Y	123.7	0.04	1.28	9.30	7	67	16	97	0.02	0.0	2.757	0.104	8	2	5	23
PL.67050	PL.67052	C	6 A (CWC)	7.42Y	123.7	0.03	1.30	8.16	6	59	14	97	0.01	0.0	2.828	0.072	0	0	0	18
PL.67049	PL.67050	C	6 A (CWC)	7.42Y	123.7	0.04	1.34	8.16	6	59	14	97	0.01	0.0	2.934	0.106	12	3	3	18
PL.66967	PL.67049	C	6 A (CWC)	7.42Y	123.6	0.03	1.36	6.53	5	47	11	97	0.01	0.0	3.024	0.089	0	0	0	15
PL.66968	PL.66967	C	#2 ACSR	7.42Y	123.6	0.00	1.36	0.80	0	6	1	99	0.00	0.0	3.066	0.042	6	1	1	1
PL.66992	PL.66967	C	6 A (CWC)	7.42Y	123.6	0.02	1.38	5.73	4	41	10	97	0.01	0.0	3.089	0.066	0	0	0	14
PL.66969	PL.66992	C	6 A (CWC)	7.42Y	123.6	0.01	1.39	5.73	4	41	10	97	0.00	0.0	3.129	0.040	8	2	1	14
PL.66993	PL.66969	C	6 A (CWC)	7.42Y	123.6	0.01	1.41	3.89	3	28	7	97	0.00	0.0	3.212	0.083	0	0	0	11
PL.66971	PL.66993	C	#4 ACSR	7.42Y	123.6	0.00	1.41	1.83	1	13	3	97	0.00	0.0	3.272	0.060	13	3	3	3
PL.66994	PL.66993	C	6 A (CWC)	7.41Y	123.6	0.02	1.42	2.06	1	15	4	97	0.00	0.0	3.375	0.163	0	0	0	8
PL.67007	PL.66994	C	6 A (CWC)	7.41Y	123.6	0.02	1.44	2.06	1	15	4	97	0.00	0.0	3.541	0.167	0	0	0	8
PL.66972	PL.67007	C	6 A (CWC)	7.41Y	123.6	0.01	1.44	2.06	1	15	4	97	0.00	0.0	3.624	0.082	0	0	0	8
PL.67009	PL.66972	C	6 A (CWC)	7.41Y	123.5	0.01	1.45	2.06	1	15	4	97	0.00	0.0	3.735	0.111	0	0	0	8
PL.67008	PL.67009	C	6 A (CWC)	7.41Y	123.5	0.01	1.46	2.06	1	15	4	97	0.00	0.0	3.826	0.090	0	0	2	8

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.66973	PL.67008	C	#1/0 ACSR	7.41Y	123.5	0.00	1.46	0.83	0	6	1	99	0.00	0.0	3.875	0.050	6	1	1	1
PL.66974	PL.67008	C	6 A (CWC)	7.41Y	123.5	0.01	1.47	1.19	1	9	2	98	0.00	0.0	3.969	0.144	0	0	0	5
PL.67060	PL.66974	C	6 A (CWC)	7.41Y	123.5	0.00	1.47	1.15	1	8	2	97	0.00	0.0	4.027	0.058	8	2	2	3
PL.67061	PL.67060	C	6 A (CWC)	7.41Y	123.5	0.00	1.47	0.00	0	0	0	100	0.00	0.0	4.087	0.060	0	0	0	1
PL.67011	PL.67061	C	6 A (CWC)	7.41Y	123.5	0.00	1.47	0.00	0	0	0	100	0.00	0.0	4.193	0.106	0	0	0	1
PL.67010	PL.67011	C	6 A (CWC)	7.41Y	123.5	0.00	1.47	0.00	0	0	0	100	0.00	0.0	4.283	0.090	0	0	1	1
PL.67058	PL.66974	C	#4 ACSR	7.41Y	123.5	0.00	1.47	0.04	0	0	0	100	0.00	0.0	4.020	0.051	0	0	1	2
PL.67059	PL.67058	C	#4 ACSR	7.41Y	123.5	0.00	1.47	0.03	0	0	0	100	0.00	0.0	4.052	0.032	0	0	1	1
PL.66970	PL.66969	C	#4 ACSR	7.42Y	123.6	0.00	1.39	0.74	1	5	1	98	0.00	0.0	3.185	0.056	5	1	2	2
PL.67077	PL.67054	C	#4 ACSR	7.44Y	123.9	0.00	1.07	0.75	1	5	1	98	0.00	0.0	2.304	0.005	0	0	0	3
PD.10098	PL.67077	C	30T	7.44Y	123.9	0.00	1.07	0.75	0	5	1	98	0.00	0.0	2.304	0.005	0	0	0	3
PL.67078	PD.10098	C	#4 ACSR	7.44Y	123.9	0.00	1.07	0.75	1	5	1	98	0.00	0.0	2.345	0.041	5	1	3	3
PL.66965	PL.66964	C	#4 ACSR	7.44Y	124.0	0.00	1.04	0.02	0	0	0	100	0.00	0.0	2.269	0.051	0	0	1	1
PL.67074	PL.66953	C	#4 ACSR	7.46Y	124.4	0.00	0.61	1.19	1	9	2	98	0.00	0.0	1.179	0.019	0	0	0	2
PD.10083	PL.67074	C	30T	7.46Y	124.4	0.00	0.61	1.19	0	9	2	98	0.00	0.0	1.179	0.019	0	0	0	2
PL.67073	PD.10083	C	#4 ACSR	7.46Y	124.4	0.00	0.62	1.19	1	9	2	98	0.00	0.0	1.248	0.069	9	2	2	2
PL.67071	PL.67041	A	#4 ACSR	7.47Y	124.5	0.00	0.53	0.55	0	4	1	97	0.00	0.0	1.011	0.005	0	0	0	1
PD.10082	PL.67071	A	30T	7.47Y	124.5	0.00	0.53	0.55	0	4	1	97	0.00	0.0	1.011	0.005	0	0	0	1
PL.67072	PD.10082	A	#4 ACSR	7.47Y	124.5	0.00	0.53	0.55	0	4	1	97	0.00	0.0	1.113	0.102	0	0	0	1
PL.66955	PL.67072	A	#1/0 ACSR	7.47Y	124.5	0.00	0.53	0.00	0	0	0	100	0.00	0.0	1.222	0.109	0	0	0	0
PL.66954	PL.67072	A	#4 ACSR	7.47Y	124.5	0.00	0.54	0.55	0	4	1	97	0.00	0.0	1.217	0.104	4	1	1	1
PL.66950	PL.66948	C	#4 ACSR	7.48Y	124.6	0.00	0.40	2.23	2	16	4	97	0.00	0.0	0.768	0.005	0	0	0	5
PD.10086	PL.66950	C	65T	7.48Y	124.6	0.00	0.40	2.23	0	16	4	97	0.00	0.0	0.768	0.005	0	0	0	5
PL.66951	PD.10086	C	#4 ACSR	7.48Y	124.6	0.00	0.40	1.60	1	12	3	97	0.00	0.0	0.856	0.089	12	3	3	3
PL.67035	PD.10086	C	#4 ACSR	7.48Y	124.6	0.00	0.40	0.64	0	5	1	98	0.00	0.0	0.812	0.044	5	1	2	2
PL.67036	PL.67035	C	#4 ACSR	7.48Y	124.6	0.00	0.40	0.00	0	0	0	100	0.00	0.0	0.861	0.049	0	0	0	0
PL.67085	PL.67029	ABC	#1/0 ACSR	7.49Y	124.8	0.00	0.22	3.24	1	66	30	91	0.00	0.0	0.445	0.005	0	0	0	3
PD.10102	PL.67085	ABC	30T	7.49Y	124.8	0.00	0.22	3.24	0	66	30	91	0.00	0.0	0.445	0.005	0	0	0	3
PL.67086	PD.10102	ABC	#1/0 ACSR	7.49Y	124.8	0.00	0.22	3.24	1	66	30	91	0.00	0.0	0.469	0.024	8	2	2	3
PL.67031	PL.67086	ABC	#1/0 ACSR	7.49Y	124.8	0.00	0.23	2.87	1	58	28	90	0.00	0.0	0.489	0.020	58	28	1	1
PL.67069	PL.67004	A	#4 ACSR	7.50Y	125.0	0.00	0.04	7.38	6	54	13	97	0.00	0.0	0.083	0.005	0	0	0	12

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

Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% 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.10081	PL.67069	A	65T	7.50Y	125.0	0.00	0.04	7.38	0	54	13	97	0.00	0.0	0.083	0.005	0	0	0	12
PL.67070	PD.10081	A	#4 ACSR	7.50Y	125.0	0.00	0.05	7.38	6	54	13	97	0.00	0.0	0.092	0.009	0	0	0	12
PL.66944	PL.67070	A	#4 ACSR	7.50Y	125.0	0.00	0.05	2.01	2	15	4	97	0.00	0.0	0.124	0.032	15	4	2	2
PL.67024	PL.67070	A	#4 ACSR	7.50Y	124.9	0.01	0.05	5.37	4	39	9	97	0.00	0.0	0.119	0.028	5	1	1	10
PL.67025	PL.67024	A	#4 ACSR	7.50Y	124.9	0.01	0.06	4.73	4	34	8	97	0.00	0.0	0.162	0.043	12	3	4	9
PL.67026	PL.67025	A	#4 ACSR	7.50Y	124.9	0.01	0.07	3.13	2	23	5	98	0.00	0.0	0.229	0.067	13	3	2	5
PL.66945	PL.67026	A	#4 ACSR	7.50Y	124.9	0.00	0.07	1.28	1	9	2	98	0.00	0.0	0.282	0.054	9	2	3	3
PL.66942	PL.72508	ABC	#1/0 ACSR	7.50Y	125.0	0.00	0.01	0.00	0	0	0	100	0.00	0.0	0.031	0.007	0	0	0	0
PL.66943	PL.66942	ABC	4/0 AL URD	7.50Y	125.0	0.00	0.01	0.00	0	0	0	100	0.00	0.0	0.032	0.000	0	0	0	0
PD.10104	PL.66943	ABC	65T	7.50Y	125.0	0.00	0.01	0.00	0	0	0	100	0.00	0.0	0.032	0.000	0	0	0	0
PL.67003	PD.10104	ABC	4/0 AL URD	7.50Y	125.0	0.00	0.01	0.00	0	0	0	100	0.00	0.0	0.033	0.001	0	0	0	0
PL.67483	McKee	ABC	636 SPACER	7.50Y	125.0	0.00	0.00	60.96	11	1322	366	96	0.00	0.0	0.005	0.005	0	0	0	305
PL.72505	PL.67483	ABC	636 SPACER	7.50Y	125.0	0.00	0.00	60.96	11	1322	366	96	0.00	0.0	0.007	0.002	0	0	0	305
---------- Feeder No. 4 (Sand Gap F4) Beginning with Device PD.10788 ----------																				
PD.10788	PL.72505	ABC	400VWE	7.50Y	125.0	0.00	0.00	60.96	0	1322	366	96	0.00	0.0	0.007	0.002	0	0	0	305
PL.72506	PD.10788	ABC	636 SPACER	7.50Y	125.0	0.02	0.02	60.96	11	1322	366	96	0.03	0.0	0.093	0.087	0	0	0	305
PL.67294	PL.72506	B	#4 ACSR	7.50Y	125.0	0.00	0.02	1.15	1	8	2	97	0.00	0.0	0.098	0.005	0	0	0	3
PD.10111	PL.67294	B	65T	7.50Y	125.0	0.00	0.02	1.15	0	8	2	97	0.00	0.0	0.098	0.005	0	0	0	3
PL.67295	PD.10111	B	#4 ACSR	7.50Y	125.0	0.00	0.02	1.15	1	8	2	97	0.00	0.0	0.110	0.012	8	2	3	3
PL.67221	PL.67295	B	#4 ACSR	7.50Y	125.0	0.00	0.02	0.00	0	0	0	100	0.00	0.0	0.155	0.045	0	0	0	0
PL.67278	PL.72506	ABC	636 SPACER	7.50Y	125.0	0.01	0.02	60.57	11	1313	364	96	0.01	0.0	0.122	0.029	64	31	1	302
PL.67279	PL.67278	ABC	636 SPACER	7.50Y	125.0	0.00	0.03	57.47	11	1249	332	97	0.01	0.0	0.146	0.024	12	3	4	301
PL.67280	PL.67279	ABC	636 SPACER	7.50Y	125.0	0.00	0.03	56.93	10	1238	329	97	0.00	0.0	0.162	0.016	24	12	1	297
PL.67281	PL.67280	ABC	636 SPACER	7.50Y	125.0	0.00	0.03	55.75	10	1213	318	97	0.01	0.0	0.182	0.021	5	1	3	296
PL.67282	PL.67281	ABC	636 SPACER	7.50Y	125.0	0.00	0.04	55.53	10	1208	316	97	0.01	0.0	0.200	0.018	10	5	3	293
PL.67283	PL.67282	ABC	636 SPACER	7.50Y	125.0	0.00	0.04	55.07	10	1199	312	97	0.00	0.0	0.213	0.013	0	0	0	290
PL.67091	PL.67283	ABC	636 SPACER	7.50Y	124.9	0.02	0.06	55.07	10	1199	311	97	0.03	0.0	0.307	0.094	0	0	0	290
PL.67092	PL.67091	ABC	636 SPACER	7.50Y	124.9	0.01	0.07	55.07	10	1199	311	97	0.02	0.0	0.384	0.077	0	0	0	290
PL.67172	PL.67092	ABC	636 SPACER	7.49Y	124.9	0.03	0.10	55.07	10	1199	310	97	0.05	0.0	0.569	0.186	0	0	0	290

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: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.67219	PL.67172	ABC	336 MCM AC	7.49Y	124.9	0.03	0.12	55.07	11	1199	309	97	0.16	0.0	0.634	0.065	7	2	2	290
PL.67220	PL.67219	ABC	336 MCM AC	7.49Y	124.8	0.05	0.17	54.76	11	1192	307	97	0.31	0.0	0.755	0.121	0	0	2	288
PL.67218	PL.67220	ABC	336 MCM AC	7.49Y	124.8	0.02	0.20	54.75	11	1191	307	97	0.15	0.0	0.814	0.060	0	0	0	286
PL.67292	PL.67218	A	#1/0 ACSR	7.49Y	124.8	0.00	0.20	3.00	1	22	5	98	0.00	0.0	0.819	0.005	0	0	0	4
PD.10110	PL.67292	A	65T	7.49Y	124.8	0.00	0.20	3.00	0	22	5	98	0.00	0.0	0.819	0.005	0	0	0	4
PL.67293	PD.10110	A	#1/0 ACSR	7.49Y	124.8	0.00	0.20	3.00	1	22	5	98	0.00	0.0	0.825	0.006	22	5	4	4
PL.67197	PL.67218	ABC	336 MCM AC	7.49Y	124.8	0.01	0.21	53.76	10	1169	301	97	0.09	0.0	0.849	0.035	0	0	0	282
PL.67230	PL.67197	ABC	336 MCM AC	7.49Y	124.8	0.02	0.23	53.03	10	1153	297	97	0.12	0.0	0.898	0.049	4	1	1	279
PL.67231	PL.67230	ABC	336 MCM AC	7.48Y	124.7	0.04	0.26	52.83	10	1149	296	97	0.22	0.0	0.991	0.093	0	0	0	278
PL.67232	PL.67231	ABC	336 MCM AC	7.48Y	124.7	0.03	0.29	52.11	10	1133	291	97	0.15	0.0	1.057	0.066	3	1	1	274
PL.67233	PL.67232	ABC	336 MCM AC	7.48Y	124.7	0.01	0.30	51.99	10	1130	290	97	0.07	0.0	1.089	0.031	2	0	1	273
PL.67222	PL.67233	ABC	336 MCM AC	7.48Y	124.7	0.04	0.34	51.89	10	1128	290	97	0.22	0.0	1.184	0.095	0	0	0	272
PL.67298	PL.67222	C	#4 ACSR	7.48Y	124.7	0.00	0.34	0.96	1	7	2	96	0.00	0.0	1.189	0.005	0	0	0	1
PD.10113	PL.67298	C	65T	7.48Y	124.7	0.00	0.34	0.96	0	7	2	96	0.00	0.0	1.189	0.005	0	0	0	1
PL.67299	PD.10113	C	#4 ACSR	7.48Y	124.7	0.00	0.34	0.96	1	7	2	96	0.00	0.0	1.228	0.039	7	2	1	1
PL.67300	PL.67222	ABC	336 MCM AC	7.48Y	124.7	0.00	0.34	50.98	10	1108	285	97	0.01	0.0	1.188	0.004	0	0	0	269
PL.67301	PL.67300	ABC	336 MCM AC	7.48Y	124.6	0.02	0.35	50.98	10	1108	284	97	0.09	0.0	1.230	0.042	0	0	0	269
PL.67302	PL.67301	A	#1/0 ACSR	7.48Y	124.6	0.00	0.35	2.39	1	17	4	97	0.00	0.0	1.235	0.005	0	0	0	6
PD.10114	PL.67302	A	65T	7.48Y	124.6	0.00	0.35	2.39	0	17	4	97	0.00	0.0	1.235	0.005	0	0	0	6
PL.67303	PD.10114	A	#1/0 ACSR	7.48Y	124.6	0.00	0.36	2.39	1	17	4	97	0.00	0.0	1.271	0.036	0	0	0	6
PL.67093	PL.67303	A	#1/0 ACSR	7.48Y	124.6	0.00	0.36	0.87	0	6	2	95	0.00	0.0	1.304	0.033	6	2	2	2
PL.67094	PL.67303	A	#1/0 ACSR	7.48Y	124.6	0.00	0.36	0.93	0	7	2	96	0.00	0.0	1.451	0.180	7	2	2	2
PL.67152	PL.67303	A	#1/0 ACSR	7.48Y	124.6	0.00	0.36	0.60	0	4	1	97	0.00	0.0	1.307	0.037	4	1	2	2
PL.67195	PL.67301	ABC	336 MCM AC	7.48Y	124.6	0.03	0.38	50.18	10	1091	280	97	0.15	0.0	1.299	0.069	0	0	0	263
PL.67196	PL.67195	ABC	336 MCM AC	7.47Y	124.6	0.04	0.42	50.18	10	1090	280	97	0.23	0.0	1.407	0.108	0	0	0	263
PL.67173	PL.67196	ABC	336 MCM AC	7.47Y	124.5	0.03	0.45	50.18	10	1090	279	97	0.20	0.0	1.500	0.093	0	0	0	263
PL.67296	PL.67173	A	#2 ACSR	7.47Y	124.5	0.00	0.45	0.55	0	4	1	97	0.00	0.0	1.505	0.005	0	0	0	1
PD.10112	PL.67296	A	65T	7.47Y	124.5	0.00	0.45	0.55	0	4	1	97	0.00	0.0	1.505	0.005	0	0	0	1
PL.67297	PD.10112	A	#2 ACSR	7.47Y	124.5	0.00	0.45	0.55	0	4	1	97	0.00	0.0	1.550	0.045	4	1	1	1
PL.67096	PL.67173	C	#2 ACSR	7.47Y	124.5	0.01	0.46	15.13	9	110	27	97	0.00	0.0	1.511	0.011	0	0	0	28
PL.67095	PL.67096	C	6 A (CWC)	7.47Y	124.5	0.01	0.47	4.05	3	29	7	97	0.00	0.0	1.610	0.098	29	7	6	6

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.67154	PL.67096	C	#2 ACSR	7.47Y	124.5	0.02	0.48	11.08	6	80	19	97	0.01	0.0	1.566	0.055	5	1	1	22
PL.67226	PL.67154	C	#4 ACSR	7.47Y	124.5	0.02	0.49	7.55	6	55	13	97	0.01	0.0	1.623	0.057	23	6	4	9
PL.67227	PL.67226	C	#4 ACSR	7.47Y	124.5	0.01	0.50	4.38	3	32	8	97	0.00	0.0	1.654	0.030	7	2	3	5
PL.67223	PL.67227	C	#4 ACSR	7.47Y	124.5	0.00	0.50	3.43	3	25	6	97	0.00	0.0	1.672	0.019	0	0	1	2
PL.67224	PL.67223	C	#4 ACSR	7.47Y	124.5	0.00	0.50	3.41	3	25	6	97	0.00	0.0	1.696	0.024	0	0	0	1
PL.67225	PL.67224	C	#4 ACSR	7.47Y	124.5	0.00	0.50	3.41	3	25	6	97	0.00	0.0	1.705	0.009	25	6	1	1
PL.67155	PL.67154	C	#2 ACSR	7.47Y	124.5	0.00	0.48	2.83	2	21	5	97	0.00	0.0	1.607	0.041	0	0	0	12
PL.67368	PL.67155	C	#2 ACSR	7.47Y	124.5	0.00	0.48	2.83	2	21	5	97	0.00	0.0	1.609	0.003	0	0	0	12
PD.10146	PL.67368	C	50L	7.47Y	124.5	0.00	0.48	2.83	6	21	5	97	0.00	0.0	1.609	0.003	0	0	0	12
PL.67369	PD.10146	C	#2 ACSR	7.47Y	124.5	0.01	0.49	2.83	2	21	5	97	0.00	0.0	1.718	0.109	0	0	0	12
PL.67216	PL.67369	C	#2 ACSR	7.47Y	124.5	0.01	0.50	2.83	2	21	5	97	0.00	0.0	1.869	0.150	2	0	1	12
PL.67217	PL.67216	C	#2 ACSR	7.47Y	124.5	0.01	0.51	2.56	1	19	4	98	0.00	0.0	1.960	0.091	2	1	2	11
PL.67215	PL.67217	C	#2 ACSR	7.47Y	124.5	0.01	0.52	2.27	1	16	4	97	0.00	0.0	2.078	0.118	3	1	1	9
PL.67214	PL.67215	C	#2 ACSR	7.47Y	124.5	0.01	0.52	1.80	1	13	3	97	0.00	0.0	2.220	0.142	2	0	2	8
PL.67212	PL.67214	C	#2 ACSR	7.47Y	124.5	0.01	0.53	1.52	1	11	3	96	0.00	0.0	2.352	0.131	0	0	1	6
PL.67213	PL.67212	C	#2 ACSR	7.47Y	124.5	0.00	0.53	1.51	1	11	3	96	0.00	0.0	2.426	0.074	0	0	0	5
PL.67210	PL.67213	C	#2 ACSR	7.47Y	124.5	0.00	0.53	0.53	0	4	1	97	0.00	0.0	2.502	0.076	2	0	1	3
PL.67211	PL.67210	C	#2 ACSR	7.47Y	124.5	0.00	0.53	0.30	0	2	1	89	0.00	0.0	2.549	0.047	0	0	1	2
PL.67098	PL.67211	C	#2 ACSR	7.47Y	124.5	0.00	0.53	0.30	0	2	1	89	0.00	0.0	2.616	0.067	2	1	1	1
PL.67097	PL.67213	C	#4 ACSR	7.47Y	124.5	0.00	0.53	0.98	1	7	2	96	0.00	0.0	2.442	0.017	7	2	2	2
PL.67153	PL.67173	ABC	336 MCM AC	7.47Y	124.5	0.05	0.50	44.96	9	976	251	97	0.25	0.0	1.649	0.149	0	0	0	234
PL.67099	PL.67153	ABC	336 MCM AC	7.47Y	124.5	0.03	0.53	44.96	9	976	251	97	0.17	0.0	1.750	0.101	5	1	1	234
PL.67100	PL.67099	ABC	336 MCM AC	7.47Y	124.4	0.03	0.57	44.09	8	957	246	97	0.18	0.0	1.858	0.108	0	0	0	232
PL.67174	PL.67100	ABC	336 MCM AC	7.46Y	124.4	0.04	0.61	44.09	8	957	245	97	0.21	0.0	1.986	0.128	0	0	0	232
PL.67308	PL.67174	C	#4 ACSR	7.46Y	124.4	0.00	0.61	0.81	1	6	1	99	0.00	0.0	1.991	0.005	0	0	0	1
PD.10117	PL.67308	C	65T	7.46Y	124.4	0.00	0.61	0.81	0	6	1	99	0.00	0.0	1.991	0.005	0	0	0	1
PL.67309	PD.10117	C	#4 ACSR	7.46Y	124.4	0.00	0.61	0.81	1	6	1	99	0.00	0.0	2.021	0.030	6	1	1	1
PL.67156	PL.67174	ABC	336 MCM AC	7.46Y	124.4	0.01	0.62	43.82	8	950	243	97	0.04	0.0	2.008	0.022	0	0	0	231
PL.67101	PL.67156	ABC	336 MCM AC	7.46Y	124.4	0.03	0.65	43.82	8	950	243	97	0.17	0.0	2.113	0.106	0	0	0	231
PL.67175	PL.67101	ABC	336 MCM AC	7.46Y	124.3	0.06	0.71	43.82	8	950	243	97	0.29	0.0	2.294	0.181	1	0	1	231
PL.67370	PL.67175	A	#1/0 ACSR	7.46Y	124.3	0.00	0.71	30.42	13	220	54	97	0.00	0.0	2.297	0.003	0	0	0	56

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: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% 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.10147	PL.67370	A	50L	7.46Y	124.3	0.00	0.71	30.42	61	220	54	97	0.00	0.0	2.297	0.003	0	0	0	56
PL.67371	PD.10147	A	#1/0 ACSR	7.46Y	124.3	0.03	0.74	30.42	13	220	54	97	0.04	0.0	2.341	0.044	8	2	4	56
PL.67102	PL.67371	A	#4 ACSR	7.46Y	124.3	0.00	0.74	2.99	2	22	5	98	0.00	0.0	2.359	0.018	22	5	10	10
PL.67228	PL.67371	A	#1/0 ACSR	7.45Y	124.2	0.09	0.83	26.39	11	191	47	97	0.12	0.1	2.502	0.161	10	2	1	42
PL.67229	PL.67228	A	#1/0 ACSR	7.45Y	124.1	0.03	0.86	25.04	11	181	44	97	0.04	0.0	2.557	0.056	0	0	0	41
PL.67103	PL.67229	A	#4 ACSR	7.45Y	124.1	0.00	0.87	1.20	1	9	2	98	0.00	0.0	2.602	0.045	9	2	2	2
PL.67104	PL.67229	A	#4 ACSR	7.45Y	124.1	0.00	0.87	2.03	2	15	4	97	0.00	0.0	2.584	0.027	0	0	0	5
PL.67123	PL.67104	A	#4 ACSR	7.45Y	124.1	0.00	0.87	2.03	2	15	4	97	0.00	0.0	2.654	0.070	15	4	5	5
PL.67158	PL.67229	A	#1/0 ACSR	7.45Y	124.1	0.03	0.89	21.81	9	158	38	97	0.03	0.0	2.613	0.056	0	0	0	34
PL.67105	PL.67158	A	#1/0 ACSR	7.45Y	124.1	0.02	0.91	21.81	9	158	38	97	0.02	0.0	2.652	0.039	0	0	0	34
PL.67208	PL.67105	A	#1/0 ACSR	7.44Y	124.1	0.02	0.93	17.63	8	128	31	97	0.02	0.0	2.703	0.051	0	0	1	26
PL.67209	PL.67208	A	#1/0 ACSR	7.44Y	124.0	0.02	0.95	17.59	8	127	31	97	0.02	0.0	2.758	0.055	4	1	1	25
PL.67205	PL.67209	A	#1/0 ACSR	7.44Y	124.0	0.02	0.97	17.03	7	123	30	97	0.01	0.0	2.803	0.046	0	0	0	24
PL.67290	PL.67205	A	6 A (CWC)	7.44Y	124.0	0.00	0.97	2.37	2	17	4	97	0.00	0.0	2.807	0.004	0	0	0	7
PD.10109	PL.67290	A	15T	7.44Y	124.0	0.00	0.97	2.37	0	17	4	97	0.00	0.0	2.807	0.004	0	0	0	7
PL.67291	PD.10109	A	6 A (CWC)	7.44Y	124.0	0.01	0.98	2.37	2	17	4	97	0.00	0.0	2.895	0.087	1	0	2	7
PL.67204	PL.67291	A	6 A (CWC)	7.44Y	124.0	0.01	0.99	2.24	2	16	4	97	0.00	0.0	3.048	0.154	10	2	1	5
PL.67203	PL.67204	A	6 A (CWC)	7.44Y	124.0	0.00	0.99	0.88	1	6	2	95	0.00	0.0	3.144	0.095	0	0	0	4
PL.67270	PL.67203	A	6 A (CWC)	7.44Y	124.0	0.00	1.00	0.88	1	6	2	95	0.00	0.0	3.241	0.097	0	0	2	4
PL.67271	PL.67270	A	6 A (CWC)	7.44Y	124.0	0.00	1.00	0.88	1	6	2	95	0.00	0.0	3.294	0.053	0	0	0	2
PL.67107	PL.67271	A	#1/0 ACSR	7.44Y	124.0	0.00	1.00	0.34	0	2	1	89	0.00	0.0	3.315	0.021	2	1	1	1
PL.67159	PL.67271	A	6 A (CWC)	7.44Y	124.0	0.00	1.00	0.53	0	4	1	97	0.00	0.0	3.409	0.115	0	0	0	1
PL.67176	PL.67159	A	6 A (CWC)	7.44Y	124.0	0.00	1.01	0.53	0	4	1	97	0.00	0.0	3.597	0.189	0	0	0	1
PL.67108	PL.67176	A	#4 ACSR	7.44Y	124.0	0.00	1.01	0.53	0	4	1	97	0.00	0.0	3.671	0.074	4	1	1	1
PL.67160	PL.67176	A	6 A (CWC)	7.44Y	124.0	0.00	1.01	0.00	0	0	0	100	0.00	0.0	3.639	0.042	0	0	0	0
PL.67275	PL.67205	A	6 A (CWC)	7.44Y	123.9	0.08	1.05	14.65	10	106	26	97	0.07	0.1	2.928	0.125	0	0	1	17
PL.67276	PL.67275	A	6 A (CWC)	7.43Y	123.9	0.04	1.10	14.65	10	106	26	97	0.03	0.0	2.997	0.069	4	1	1	16
PL.67202	PL.67276	A	6 A (CWC)	7.43Y	123.9	0.02	1.12	14.09	10	102	25	97	0.02	0.0	3.035	0.038	0	0	0	15
PL.67109	PL.67202	A	6 A (CWC)	7.43Y	123.8	0.04	1.16	14.09	10	102	25	97	0.03	0.0	3.100	0.065	0	0	0	15
PL.67192	PL.67109	A	6 A (CWC)	7.43Y	123.8	0.00	1.17	14.09	10	102	25	97	0.00	0.0	3.105	0.005	0	0	0	15
PD.10108	PL.67192	A	15T	7.43Y	123.8	0.00	1.17	14.09	0	102	25	97	0.00	0.0	3.105	0.005	0	0	0	15

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

Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.67110	PD.10108	A	#1/0 ACSR	7.43Y	123.8	0.00	1.17	2.39	1	17	4	97	0.00	0.0	3.131	0.027	17	4	2	2
PL.67193	PD.10108	A	6 A (CWC)	7.43Y	123.8	0.06	1.22	11.69	8	84	20	97	0.03	0.0	3.210	0.105	0	0	0	13
PL.67177	PL.67193	A	6 A (CWC)	7.42Y	123.7	0.06	1.28	11.69	8	84	20	97	0.04	0.0	3.318	0.108	0	0	0	13
PL.67200	PL.67177	A	6 A (CWC)	7.42Y	123.7	0.06	1.34	11.69	8	84	20	97	0.03	0.0	3.428	0.110	8	2	1	13
PL.67201	PL.67200	A	6 A (CWC)	7.42Y	123.6	0.06	1.39	10.52	8	76	18	97	0.03	0.0	3.549	0.121	0	0	0	12
PL.67111	PL.67201	A	6 A (CWC)	7.41Y	123.6	0.05	1.44	10.52	8	76	18	97	0.03	0.0	3.649	0.101	0	0	0	12
PL.67178	PL.67111	A	6 A (CWC)	7.41Y	123.5	0.04	1.48	10.52	8	76	18	97	0.02	0.0	3.739	0.089	0	0	0	12
PL.67161	PL.67178	A	6 A (CWC)	7.41Y	123.5	0.03	1.51	8.28	6	60	14	97	0.01	0.0	3.817	0.078	0	0	0	9
PL.67114	PL.67161	A	6 A (CWC)	7.41Y	123.4	0.04	1.55	8.28	6	60	14	97	0.02	0.0	3.928	0.111	0	0	0	9
PL.67186	PL.67114	A	6 A (CWC)	7.40Y	123.4	0.03	1.59	8.28	6	60	14	97	0.01	0.0	4.011	0.083	0	0	0	9
PL.67187	PL.67186	A	6 A (CWC)	7.40Y	123.4	0.04	1.62	8.28	6	60	14	97	0.02	0.0	4.108	0.097	0	0	0	9
PL.67116	PL.67187	A	#1/0 ACSR	7.40Y	123.4	0.00	1.62	0.80	0	6	1	99	0.00	0.0	4.139	0.031	6	1	1	1
PL.67117	PL.67187	A	6 A (CWC)	7.40Y	123.3	0.04	1.66	7.47	5	54	13	97	0.02	0.0	4.224	0.116	0	0	0	8
PL.67179	PL.67117	A	6 A (CWC)	7.40Y	123.3	0.03	1.69	7.47	5	54	13	97	0.01	0.0	4.302	0.078	0	0	0	8
PL.67180	PL.67179	A	6 A (CWC)	7.40Y	123.3	0.04	1.72	7.47	5	54	13	97	0.02	0.0	4.414	0.112	0	0	0	8
PL.67118	PL.67180	A	6 A (CWC)	7.39Y	123.2	0.04	1.76	7.47	5	54	13	97	0.01	0.0	4.523	0.109	0	0	0	8
PL.67119	PL.67118	A	6 A (CWC)	7.39Y	123.2	0.03	1.79	7.47	5	54	13	97	0.01	0.0	4.609	0.087	0	0	1	8
PL.67183	PL.67119	A	#4 ACSR	7.39Y	123.2	0.01	1.80	2.73	2	20	5	97	0.00	0.0	4.675	0.066	0	0	0	1
PL.67184	PL.67183	A	#4 ACSR	7.39Y	123.2	0.00	1.80	0.00	0	0	0	100	0.00	0.0	4.744	0.068	0	0	0	0
PL.67120	PL.67183	A	#4 ACSR	7.39Y	123.2	0.00	1.80	2.73	2	20	5	97	0.00	0.0	4.743	0.068	20	5	1	1
PL.67273	PL.67119	A	#4 ACSR	7.39Y	123.2	0.03	1.82	4.74	4	34	8	97	0.01	0.0	4.737	0.128	0	0	1	6
PL.67274	PL.67273	A	#4 ACSR	7.39Y	123.2	0.02	1.84	4.68	4	34	8	97	0.01	0.0	4.856	0.119	0	0	0	5
PL.67121	PL.67274	A	#4 ACSR	7.39Y	123.2	0.00	1.84	0.00	0	0	0	100	0.00	0.0	4.898	0.042	0	0	1	1
PL.67198	PL.67274	A	#4 ACSR	7.39Y	123.2	0.01	1.85	4.68	4	34	8	97	0.00	0.0	4.885	0.029	4	1	1	4
PL.67199	PL.67198	A	#4 ACSR	7.39Y	123.1	0.00	1.85	4.18	3	30	7	97	0.00	0.0	4.916	0.031	18	4	1	3
PL.67122	PL.67199	A	#4 ACSR	7.39Y	123.1	0.00	1.85	1.63	1	12	3	97	0.00	0.0	4.943	0.027	12	3	2	2
PL.67115	PL.67186	A	#4 ACSR	7.40Y	123.4	0.00	1.59	0.00	0	0	0	100	0.00	0.0	4.072	0.061	0	0	0	0
PL.67113	PL.67178	A	6 A (CWC)	7.41Y	123.5	0.00	1.49	1.67	1	12	3	97	0.00	0.0	3.810	0.071	12	3	2	2
PL.67112	PL.67178	A	6 A (CWC)	7.41Y	123.5	0.00	1.48	0.57	0	4	1	97	0.00	0.0	3.803	0.064	4	1	1	1
PL.67106	PL.67105	A	#4 ACSR	7.45Y	124.1	0.00	0.91	2.53	2	18	4	98	0.00	0.0	2.682	0.030	18	4	5	5
PL.67206	PL.67105	A	#1/0 ACSR	7.45Y	124.1	0.00	0.91	1.65	1	12	3	97	0.00	0.0	2.666	0.014	9	2	2	3

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.67207	PL.67206	A	#1/0 ACSR	7.45Y	124.1	0.00	0.91	0.46	0	3	1	95	0.00	0.0	2.712	0.046	3	1	1	1
PL.67157	PL.67175	ABC	336 MCM AC	7.46Y	124.3	0.02	0.73	33.65	6	729	188	97	0.09	0.0	2.385	0.091	0	0	0	174
PL.67366	PL.67157	A	#2 ACSR	7.46Y	124.3	0.00	0.73	1.04	1	8	2	97	0.00	0.0	2.389	0.005	0	0	0	2
PD.10145	PL.67366	A	65T	7.46Y	124.3	0.00	0.73	1.04	0	8	2	97	0.00	0.0	2.389	0.005	0	0	0	2
PL.67367	PD.10145	A	#2 ACSR	7.46Y	124.3	0.00	0.73	1.04	1	8	2	97	0.00	0.0	2.410	0.020	8	2	2	2
PL.67162	PL.67157	ABC	336 MCM AC	7.46Y	124.3	0.01	0.74	33.31	6	721	186	97	0.03	0.0	2.418	0.033	0	0	0	172
PL.67171	PL.67162	ABC	336 MCM AC	7.45Y	124.2	0.02	0.75	32.45	6	703	182	97	0.06	0.0	2.481	0.064	0	0	0	169
PL.67124	PL.67171	ABC	336 MCM AC	7.45Y	124.2	0.01	0.76	32.45	6	703	182	97	0.04	0.0	2.528	0.047	0	0	0	169
PL.67310	PL.67124	A	#4 ACSR	7.45Y	124.2	0.00	0.76	0.59	0	4	1	97	0.00	0.0	2.533	0.005	0	0	0	2
PD.10118	PL.67310	A	65T	7.45Y	124.2	0.00	0.76	0.59	0	4	1	97	0.00	0.0	2.533	0.005	0	0	0	2
PL.67311	PD.10118	A	#4 ACSR	7.45Y	124.2	0.00	0.76	0.59	0	4	1	97	0.00	0.0	2.564	0.032	4	1	2	2
PL.67163	PL.67124	ABC	336 MCM AC	7.45Y	124.2	0.03	0.79	32.26	6	698	181	97	0.10	0.0	2.639	0.111	0	0	0	167
PL.67164	PL.67163	ABC	336 MCM AC	7.45Y	124.2	0.03	0.82	31.94	6	691	179	97	0.13	0.0	2.785	0.147	0	0	0	166
PL.67336	PL.67164	ABC	336 MCM AC	7.45Y	124.2	0.00	0.82	31.79	6	688	178	97	0.00	0.0	2.790	0.004	0	0	0	164
PL.67337	PL.67336	ABC	336 MCM AC	7.45Y	124.2	0.01	0.83	31.79	6	688	178	97	0.03	0.0	2.823	0.034	0	0	0	164
PL.67332	PL.67337	C	#4 ACSR	7.45Y	124.2	0.00	0.83	0.71	1	5	1	98	0.00	0.0	2.828	0.005	0	0	0	2
PD.10129	PL.67332	C	65T	7.45Y	124.2	0.00	0.83	0.71	0	5	1	98	0.00	0.0	2.828	0.005	0	0	0	2
PL.67333	PD.10129	C	#4 ACSR	7.45Y	124.2	0.00	0.83	0.71	1	5	1	98	0.00	0.0	2.848	0.021	5	1	2	2
PL.67194	PL.67337	ABC	336 MCM AC	7.45Y	124.1	0.02	0.85	31.55	6	683	176	97	0.07	0.0	2.912	0.089	0	0	0	162
PL.67286	PL.67194	ABC	336 MCM AC	7.45Y	124.1	0.01	0.86	31.21	6	675	174	97	0.04	0.0	2.962	0.050	41	20	1	159
PL.67287	PL.67286	ABC	336 MCM AC	7.45Y	124.1	0.01	0.87	29.22	6	634	154	97	0.04	0.0	3.017	0.055	0	0	0	158
PL.67338	PL.67287	C	#4 ACSR	7.45Y	124.1	0.00	0.88	2.76	2	20	5	97	0.00	0.0	3.022	0.005	0	0	0	8
PD.10131	PL.67338	C	65T	7.45Y	124.1	0.00	0.88	2.76	0	20	5	97	0.00	0.0	3.022	0.005	0	0	0	8
PL.67339	PD.10131	C	#4 ACSR	7.45Y	124.1	0.00	0.88	2.76	2	20	5	97	0.00	0.0	3.064	0.042	8	2	3	8
PL.67266	PL.67339	C	#1/0 ACSR	7.45Y	124.1	0.00	0.88	1.61	1	12	3	97	0.00	0.0	3.088	0.024	6	1	4	5
PL.67267	PL.67266	C	#1/0 ACSR	7.45Y	124.1	0.00	0.88	0.82	0	6	1	99	0.00	0.0	3.213	0.125	0	0	0	1
PL.67181	PL.67267	C	#1/0 ACSR	7.45Y	124.1	0.00	0.88	0.82	0	6	1	99	0.00	0.0	3.305	0.092	6	1	1	1
PL.67350	PL.67287	C	#4 ACSR	7.45Y	124.1	0.00	0.87	1.29	1	9	2	98	0.00	0.0	3.022	0.005	0	0	0	2
PD.10137	PL.67350	C	65T	7.45Y	124.1	0.00	0.87	1.29	0	9	2	98	0.00	0.0	3.022	0.005	0	0	0	2
PL.67351	PD.10137	C	#4 ACSR	7.45Y	124.1	0.00	0.88	1.29	1	9	2	98	0.00	0.0	3.142	0.120	9	2	1	2
PL.67268	PL.67351	C	#4 ACSR	7.45Y	124.1	0.00	0.88	0.00	0	0	0	100	0.00	0.0	3.180	0.038	0	0	1	1

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.67269	PL.67268	C	#4 ACSR	7.45Y	124.1	0.00	0.88	0.00	0	0	0	100	0.00	0.0	3.233	0.053	0	0	0	0
PL.67165	PL.67287	ABC	336 MCM AC	7.45Y	124.1	0.02	0.89	27.87	5	605	147	97	0.06	0.0	3.117	0.100	13	3	4	148
PL.67284	PL.67165	ABC	336 MCM AC	7.45Y	124.1	0.01	0.90	27.27	5	592	144	97	0.03	0.0	3.164	0.048	0	0	1	144
PL.67285	PL.67284	ABC	336 MCM AC	7.45Y	124.1	0.01	0.91	27.27	5	592	144	97	0.03	0.0	3.215	0.051	14	3	5	143
PL.67250	PL.67285	ABC	336 MCM AC	7.44Y	124.1	0.01	0.92	26.62	5	578	141	97	0.03	0.0	3.261	0.046	0	0	0	138
PL.67125	PL.67250	ABC	336 MCM AC	7.44Y	124.1	0.01	0.93	25.27	5	548	133	97	0.03	0.0	3.315	0.054	0	0	0	134
PL.67354	PL.67125	C	#4 ACSR	7.44Y	124.1	0.00	0.93	3.01	2	22	5	98	0.00	0.0	3.320	0.005	0	0	0	3
PD.10139	PL.67354	C	65T	7.44Y	124.1	0.00	0.93	3.01	0	22	5	98	0.00	0.0	3.320	0.005	0	0	0	3
PL.67355	PD.10139	C	#4 ACSR	7.44Y	124.1	0.01	0.94	3.01	2	22	5	98	0.00	0.0	3.371	0.051	3	1	1	3
PL.67272	PL.67355	C	#4 ACSR	7.44Y	124.1	0.00	0.94	2.56	2	19	4	98	0.00	0.0	3.399	0.029	8	2	1	2
PL.67249	PL.67272	C	#4 ACSR	7.44Y	124.1	0.00	0.94	1.51	1	11	3	96	0.00	0.0	3.433	0.033	0	0	0	1
PL.67127	PL.67249	C	#4 ACSR	7.44Y	124.1	0.00	0.95	1.51	1	11	3	96	0.00	0.0	3.533	0.100	11	3	1	1
PL.67251	PL.67125	ABC	336 MCM AC	7.44Y	124.0	0.03	0.96	24.27	5	527	128	97	0.07	0.0	3.461	0.146	4	1	2	131
PL.67252	PL.67251	ABC	336 MCM AC	7.44Y	124.0	0.01	0.96	24.10	5	523	127	97	0.02	0.0	3.496	0.035	0	0	1	129
PL.67260	PL.67252	ABC	336 MCM AC	7.44Y	124.0	0.01	0.97	24.10	5	523	127	97	0.03	0.0	3.557	0.061	0	0	0	128
PL.67261	PL.67260	ABC	336 MCM AC	7.44Y	124.0	0.01	0.98	24.10	5	523	127	97	0.02	0.0	3.602	0.045	0	0	0	128
PL.67128	PL.67261	ABC	336 MCM AC	7.44Y	124.0	0.01	0.99	22.70	4	492	120	97	0.02	0.0	3.656	0.055	0	0	0	120
PL.67135	PL.67128	ABC	#3/0 ACSR	7.44Y	124.0	0.03	1.02	22.70	8	492	119	97	0.08	0.0	3.752	0.095	0	0	0	120
PL.67190	PL.67135	ABC	#3/0 ACSR	7.44Y	124.0	0.03	1.04	22.06	7	479	116	97	0.08	0.0	3.847	0.095	0	0	0	116
PL.67191	PL.67190	ABC	#3/0 ACSR	7.44Y	123.9	0.03	1.07	20.50	7	445	108	97	0.07	0.0	3.947	0.100	0	0	0	111
PL.67182	PL.67191	ABC	#3/0 ACSR	7.43Y	123.9	0.03	1.10	20.50	7	444	108	97	0.09	0.0	4.078	0.131	0	0	0	111
PL.67318	PL.67182	C	#4 ACSR	7.43Y	123.9	0.00	1.10	5.19	4	38	9	97	0.00	0.0	4.083	0.005	0	0	0	11
PD.10122	PL.67318	C	65T	7.43Y	123.9	0.00	1.10	5.19	0	38	9	97	0.00	0.0	4.083	0.005	0	0	0	11
PL.67319	PD.10122	C	#4 ACSR	7.43Y	123.9	0.00	1.11	5.19	4	38	9	97	0.00	0.0	4.118	0.035	29	7	10	11
PL.67138	PL.67319	C	#4 ACSR	7.43Y	123.9	0.00	1.11	1.17	1	8	2	97	0.00	0.0	4.163	0.045	8	2	1	1
PL.67189	PL.67182	ABC	#3/0 ACSR	7.43Y	123.9	0.02	1.12	18.77	6	407	98	97	0.06	0.0	4.177	0.099	16	4	1	100
PL.67254	PL.67189	ABC	#3/0 ACSR	7.43Y	123.9	0.01	1.13	16.93	6	367	89	97	0.02	0.0	4.223	0.046	35	8	7	95
PL.67255	PL.67254	ABC	#3/0 ACSR	7.43Y	123.9	0.01	1.14	15.31	5	332	80	97	0.02	0.0	4.267	0.044	0	0	0	88
PL.67139	PL.67255	ABC	#3/0 ACSR	7.43Y	123.9	0.00	1.14	15.31	5	332	80	97	0.01	0.0	4.289	0.022	3	1	5	88
PL.67314	PL.67139	C	6 A (CWC)	7.43Y	123.9	0.00	1.14	3.39	2	24	6	97	0.00	0.0	4.294	0.005	0	0	0	6
PD.10120	PL.67314	C	65T	7.43Y	123.9	0.00	1.14	3.39	0	24	6	97	0.00	0.0	4.294	0.005	0	0	0	6

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

Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.67315	PD.10120	C	6 A (CWC)	7.43Y	123.9	0.00	1.15	3.39	2	24	6	97	0.00	0.0	4.324	0.031	10	2	3	6
PL.67253	PL.67315	C	6 A (CWC)	7.43Y	123.8	0.00	1.15	2.07	1	15	4	97	0.00	0.0	4.362	0.038	0	0	0	3
PL.67142	PL.67253	C	#4 ACSR	7.43Y	123.8	0.00	1.15	2.07	2	15	4	97	0.00	0.0	4.406	0.044	15	4	3	3
PL.67168	PL.67253	C	6 A (CWC)	7.43Y	123.8	0.00	1.15	0.00	0	0	0	100	0.00	0.0	4.430	0.068	0	0	0	0
PL.67167	PL.67139	ABC	#3/0 ACSR	7.43Y	123.8	0.01	1.16	14.04	5	304	74	97	0.02	0.0	4.363	0.074	13	3	6	77
PL.67316	PL.67167	C	6 A (CWC)	7.43Y	123.8	0.00	1.16	1.97	1	14	3	98	0.00	0.0	4.368	0.005	0	0	0	4
PD.10121	PL.67316	C	65T	7.43Y	123.8	0.00	1.16	1.97	0	14	3	98	0.00	0.0	4.368	0.005	0	0	0	4
PL.67317	PD.10121	C	6 A (CWC)	7.43Y	123.8	0.01	1.16	1.97	1	14	3	98	0.00	0.0	4.435	0.067	3	1	2	4
PL.67143	PL.67317	C	6 A (CWC)	7.43Y	123.8	0.00	1.17	1.51	1	11	3	96	0.00	0.0	4.507	0.071	5	1	1	2
PL.67144	PL.67143	C	#2 ACSR	7.43Y	123.8	0.00	1.17	0.77	0	6	1	99	0.00	0.0	4.541	0.034	6	1	1	1
PL.67169	PL.67167	ABC	#3/0 ACSR	7.43Y	123.8	0.01	1.17	12.76	4	277	67	97	0.03	0.0	4.463	0.099	23	6	4	67
PL.67141	PL.67169	ABC	#3/0 ACSR	7.43Y	123.8	0.01	1.18	11.70	4	253	61	97	0.01	0.0	4.513	0.050	7	2	2	63
PL.67170	PL.67141	ABC	#3/0 ACSR	7.43Y	123.8	0.01	1.18	11.36	4	246	59	97	0.01	0.0	4.559	0.046	17	4	2	60
PL.67188	PL.67170	ABC	#3/0 ACSR	7.43Y	123.8	0.00	1.19	3.08	1	67	16	97	0.00	0.0	4.660	0.101	8	2	2	15
PL.67331	PL.67188	A	#4 ACSR	7.43Y	123.8	0.00	1.19	3.57	3	26	6	97	0.00	0.0	4.665	0.005	0	0	0	4
PD.10128	PL.67331	A	65T	7.43Y	123.8	0.00	1.19	3.57	0	26	6	97	0.00	0.0	4.665	0.005	0	0	0	4
PL.67330	PD.10128	A	#4 ACSR	7.43Y	123.8	0.00	1.19	3.57	3	26	6	97	0.00	0.0	4.719	0.054	26	6	4	4
PL.67263	PL.67188	ABC	#3/0 ACSR	7.43Y	123.8	0.00	1.19	1.34	0	29	7	97	0.00	0.0	4.702	0.042	0	0	1	8
PL.67264	PL.67263	ABC	#3/0 ACSR	7.43Y	123.8	0.00	1.19	1.33	0	29	7	97	0.00	0.0	4.754	0.052	1	0	1	7
PL.67265	PL.67264	ABC	#3/0 ACSR	7.43Y	123.8	0.00	1.19	1.31	0	28	7	97	0.00	0.0	4.826	0.072	3	1	1	6
PL.67145	PL.67265	ABC	#3/0 ACSR	7.43Y	123.8	0.00	1.19	0.00	0	0	0	100	0.00	0.0	4.837	0.011	0	0	0	0
PD.4086-B	PL.67145	ABC	Open	7.43Y	123.8	0.00	1.19	0.00	0	0	0	100	0.00	0.0	4.837	0.011	0	0	0	0
PL.67326	PL.67265	A	6 A (CWC)	7.43Y	123.8	0.00	1.19	1.47	1	11	3	96	0.00	0.0	4.830	0.005	0	0	0	2
PD.10126	PL.67326	A	65T	7.43Y	123.8	0.00	1.19	1.47	0	11	3	96	0.00	0.0	4.830	0.005	0	0	0	2
PL.67327	PD.10126	A	6 A (CWC)	7.43Y	123.8	0.01	1.20	1.47	1	11	3	96	0.00	0.0	4.955	0.124	7	2	1	2
PL.67151	PL.67327	A	6 A (CWC)	7.43Y	123.8	0.00	1.20	0.49	0	4	1	97	0.00	0.0	5.063	0.108	4	1	1	1
PL.67364	PL.67265	C	6 A (CWC)	7.43Y	123.8	0.00	1.19	1.98	1	14	3	98	0.00	0.0	4.830	0.005	0	0	0	3
PD.10144	PL.67364	C	65T	7.43Y	123.8	0.00	1.19	1.98	0	14	3	98	0.00	0.0	4.830	0.005	0	0	0	3
PL.67365	PD.10144	C	6 A (CWC)	7.43Y	123.8	0.00	1.19	1.98	1	14	3	98	0.00	0.0	4.859	0.028	14	3	3	3
PL.67362	PL.67188	C	#4 ACSR	7.43Y	123.8	0.00	1.19	0.55	0	4	1	97	0.00	0.0	4.665	0.005	0	0	0	1
PD.10143	PL.67362	C	65T	7.43Y	123.8	0.00	1.19	0.55	0	4	1	97	0.00	0.0	4.665	0.005	0	0	0	1

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.67363	PD.10143	C	#4 ACSR	7.43Y	123.8	0.00	1.19	0.55	0	4	1	97	0.00	0.0	4.694	0.030	4	1	1	1
PL.67372	PL.67170	C	#1/0 ACSR	7.43Y	123.8	0.02	1.20	22.53	10	163	39	97	0.02	0.0	4.593	0.034	0	0	0	43
PD.10148	PL.67372	C	35L	7.43Y	123.8	0.00	1.20	22.53	64	163	39	97	0.00	0.0	4.593	0.034	0	0	0	43
PL.67373	PD.10148	C	#1/0 ACSR	7.43Y	123.8	0.01	1.21	22.53	10	163	39	97	0.01	0.0	4.617	0.023	18	4	3	43
PL.67262	PL.67373	C	#1/0 ACSR	7.42Y	123.7	0.08	1.29	20.10	9	145	35	97	0.07	0.1	4.785	0.168	0	0	0	40
PL.67241	PL.67262	C	#1/0 ACSR	7.42Y	123.7	0.01	1.30	18.31	8	132	32	97	0.01	0.0	4.825	0.040	27	6	4	37
PL.67242	PL.67241	C	#1/0 ACSR	7.42Y	123.7	0.02	1.32	14.62	6	105	25	97	0.01	0.0	4.884	0.060	13	3	3	33
PL.67243	PL.67242	C	#1/0 ACSR	7.42Y	123.7	0.01	1.33	12.80	6	92	22	97	0.01	0.0	4.930	0.046	27	7	4	30
PL.67244	PL.67243	C	#1/0 ACSR	7.42Y	123.7	0.01	1.35	9.06	4	65	16	97	0.00	0.0	5.000	0.070	28	7	11	26
PL.67147	PL.67244	C	#4 ACSR	7.42Y	123.7	0.00	1.35	0.66	1	5	1	98	0.00	0.0	5.045	0.045	5	1	1	1
PL.67185	PL.67244	C	#1/0 ACSR	7.42Y	123.6	0.01	1.35	4.50	2	32	8	97	0.00	0.0	5.056	0.056	0	0	0	14
PL.67239	PL.67185	C	#1/0 ACSR	7.42Y	123.6	0.00	1.35	3.44	1	25	6	97	0.00	0.0	5.096	0.040	8	2	3	9
PL.67240	PL.67239	C	#1/0 ACSR	7.42Y	123.6	0.00	1.36	2.39	1	17	4	97	0.00	0.0	5.171	0.076	8	2	1	6
PL.67237	PL.67240	C	#4 ACSR	7.42Y	123.6	0.00	1.36	0.90	1	6	2	95	0.00	0.0	5.222	0.051	0	0	1	4
PL.67238	PL.67237	C	#4 ACSR	7.42Y	123.6	0.00	1.36	0.90	1	6	2	95	0.00	0.0	5.258	0.036	1	0	2	3
PL.67234	PL.67238	C	#4 ACSR	7.42Y	123.6	0.00	1.36	0.82	1	6	1	99	0.00	0.0	5.361	0.103	6	1	1	1
PL.67150	PL.67240	C	#4 ACSR	7.42Y	123.6	0.00	1.36	0.38	0	3	1	95	0.00	0.0	5.343	0.172	0	0	0	1
PL.67235	PL.67150	C	#1/0 ACSR	7.42Y	123.6	0.00	1.36	0.38	0	3	1	95	0.00	0.0	5.444	0.101	0	0	0	1
PL.67236	PL.67235	C	#1/0 ACSR	7.42Y	123.6	0.00	1.36	0.38	0	3	1	95	0.00	0.0	5.577	0.133	3	1	1	1
PL.67148	PL.67185	C	#1/0 ACSR	7.42Y	123.6	0.00	1.35	0.00	0	0	0	100	0.00	0.0	5.106	0.050	0	0	4	4
PL.67149	PL.67185	C	#4 ACSR	7.42Y	123.6	0.00	1.35	1.06	1	8	2	97	0.00	0.0	5.093	0.038	8	2	1	1
PL.67146	PL.67262	C	#4 ACSR	7.42Y	123.7	0.00	1.29	1.79	1	13	3	97	0.00	0.0	4.831	0.046	13	3	3	3
PL.67328	PL.67141	A	#4 ACSR	7.43Y	123.8	0.00	1.18	0.03	0	0	0	100	0.00	0.0	4.518	0.005	0	0	0	1
PD.10127	PL.67328	A	65T	7.43Y	123.8	0.00	1.18	0.03	0	0	0	100	0.00	0.0	4.518	0.005	0	0	0	1
PL.67329	PD.10127	A	#4 ACSR	7.43Y	123.8	0.00	1.18	0.03	0	0	0	100	0.00	0.0	4.545	0.027	0	0	1	1
PL.67360	PL.67189	C	6 A (CWC)	7.43Y	123.9	0.00	1.12	3.36	2	24	6	97	0.00	0.0	4.182	0.005	0	0	0	4
PD.10142	PL.67360	C	65T	7.43Y	123.9	0.00	1.12	3.36	0	24	6	97	0.00	0.0	4.182	0.005	0	0	0	4
PL.67361	PD.10142	C	6 A (CWC)	7.43Y	123.9	0.01	1.13	3.36	2	24	6	97	0.00	0.0	4.248	0.066	17	4	3	4
PL.67140	PL.67361	C	#4 ACSR	7.43Y	123.9	0.00	1.13	0.98	1	7	2	96	0.00	0.0	4.280	0.032	7	2	1	1
PL.67358	PL.67190	A	#4 ACSR	7.44Y	124.0	0.00	1.04	1.72	1	12	3	97	0.00	0.0	3.851	0.005	0	0	0	2
PD.10141	PL.67358	A	65T	7.44Y	124.0	0.00	1.04	1.72	0	12	3	97	0.00	0.0	3.851	0.005	0	0	0	2

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.67359	PD.10141	A	#4 ACSR	7.44Y	124.0	0.00	1.05	1.72	1	12	3	97	0.00	0.0	3.978	0.127	12	3	2	2
PL.67324	PL.67190	C	#4 ACSR	7.44Y	124.0	0.00	1.04	2.97	2	21	5	97	0.00	0.0	3.852	0.005	0	0	0	3
PD.10125	PL.67324	C	65T	7.44Y	124.0	0.00	1.04	2.97	0	21	5	97	0.00	0.0	3.852	0.005	0	0	0	3
PL.67325	PD.10125	C	#4 ACSR	7.44Y	124.0	0.00	1.05	2.97	2	21	5	97	0.00	0.0	3.894	0.042	9	2	1	3
PL.67256	PL.67325	C	#4 ACSR	7.44Y	123.9	0.00	1.05	1.65	1	12	3	97	0.00	0.0	3.947	0.053	4	1	1	2
PL.67137	PL.67256	C	#4 ACSR	7.44Y	123.9	0.00	1.05	1.12	1	8	2	97	0.00	0.0	4.048	0.101	8	2	1	1
PL.67356	PL.67135	C	#4 ACSR	7.44Y	124.0	0.00	1.02	0.77	1	6	1	99	0.00	0.0	3.756	0.005	0	0	0	2
PD.10140	PL.67356	C	65T	7.44Y	124.0	0.00	1.02	0.77	0	6	1	99	0.00	0.0	3.756	0.005	0	0	0	2
PL.67357	PD.10140	C	#4 ACSR	7.44Y	124.0	0.00	1.02	0.77	1	6	1	99	0.00	0.0	3.779	0.023	6	1	2	2
PL.67322	PL.67135	A	#4 ACSR	7.44Y	124.0	0.00	1.02	1.13	1	8	2	97	0.00	0.0	3.756	0.005	0	0	0	2
PD.10124	PL.67322	A	65T	7.44Y	124.0	0.00	1.02	1.13	0	8	2	97	0.00	0.0	3.756	0.005	0	0	0	2
PL.67323	PD.10124	A	#4 ACSR	7.44Y	124.0	0.00	1.02	1.13	1	8	2	97	0.00	0.0	3.810	0.054	2	1	1	2
PL.67257	PL.67323	A	#4 ACSR	7.44Y	124.0	0.00	1.02	0.84	1	6	1	99	0.00	0.0	3.871	0.061	6	1	1	1
PL.67136	PL.67257	A	#1/0 ACSR	7.44Y	124.0	0.00	1.02	0.00	0	0	0	100	0.00	0.0	3.921	0.050	0	0	0	0
PL.67320	PL.67261	C	#4 ACSR	7.44Y	124.0	0.00	0.98	4.21	3	30	7	97	0.00	0.0	3.606	0.005	0	0	0	8
PD.10123	PL.67320	C	65T	7.44Y	124.0	0.00	0.98	4.21	0	30	7	97	0.00	0.0	3.606	0.005	0	0	0	8
PL.67321	PD.10123	C	#4 ACSR	7.44Y	124.0	0.00	0.99	4.21	3	30	7	97	0.00	0.0	3.628	0.022	0	0	0	8
PL.67247	PL.67321	C	6 A (CWC)	7.44Y	124.0	0.00	0.99	4.21	3	30	7	97	0.00	0.0	3.656	0.028	4	1	1	8
PL.67248	PL.67247	C	6 A (CWC)	7.44Y	124.0	0.01	1.00	3.59	3	26	6	97	0.00	0.0	3.699	0.044	0	0	0	7
PL.67129	PL.67248	C	#4 ACSR	7.44Y	124.0	0.00	1.00	1.39	1	10	2	98	0.00	0.0	3.743	0.044	10	2	2	2
PL.67166	PL.67248	C	6 A (CWC)	7.44Y	124.0	0.01	1.01	2.20	2	16	4	97	0.00	0.0	3.788	0.089	0	0	0	5
PL.67245	PL.67166	C	6 A (CWC)	7.44Y	124.0	0.00	1.01	1.35	1	10	2	98	0.00	0.0	3.869	0.081	0	0	1	4
PL.67246	PL.67245	C	6 A (CWC)	7.44Y	124.0	0.01	1.02	1.35	1	10	2	98	0.00	0.0	4.022	0.153	0	0	0	3
PL.67131	PL.67246	C	#4 ACSR	7.44Y	124.0	0.00	1.02	0.00	0	0	0	100	0.00	0.0	4.147	0.126	0	0	1	1
PL.67133	PL.67131	C	#4 ACSR	7.44Y	124.0	0.00	1.02	0.00	0	0	0	100	0.00	0.0	4.190	0.043	0	0	0	0
PL.67132	PL.67246	C	#4 ACSR	7.44Y	124.0	0.00	1.02	1.35	1	10	2	98	0.00	0.0	4.067	0.045	10	2	2	2
PL.67130	PL.67166	C	#4 ACSR	7.44Y	124.0	0.00	1.01	0.85	1	6	1	99	0.00	0.0	3.888	0.099	6	1	1	1
PL.67352	PL.67250	A	#4 ACSR	7.44Y	124.1	0.00	0.92	4.05	3	29	7	97	0.00	0.0	3.266	0.005	0	0	0	4
PD.10138	PL.67352	A	65T	7.44Y	124.1	0.00	0.92	4.05	0	29	7	97	0.00	0.0	3.266	0.005	0	0	0	4
PL.67353	PD.10138	A	#4 ACSR	7.44Y	124.1	0.02	0.94	4.05	3	29	7	97	0.00	0.0	3.352	0.086	0	0	0	4
PL.67258	PL.67353	A	#4 ACSR	7.44Y	124.1	0.01	0.95	2.58	2	19	5	97	0.00	0.0	3.434	0.082	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: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.67259	PL.67258	A	#4 ACSR	7.44Y	124.1	0.00	0.95	1.17	1	8	2	97	0.00	0.0	3.452	0.018	8	2	1	1
PL.72936	PL.67258	A	#1/0 ACSR	7.44Y	124.1	0.00	0.95	1.42	1	10	2	98	0.00	0.0	3.458	0.024	10	2	1	1
PL.67126	PL.67353	A	#4 ACSR	7.44Y	124.1	0.00	0.94	1.47	1	11	3	96	0.00	0.0	3.424	0.073	11	3	2	2
PL.67340	PL.67194	C	#4 ACSR	7.45Y	124.1	0.00	0.85	1.01	1	7	2	96	0.00	0.0	2.917	0.005	0	0	0	3
PD.10132	PL.67340	C	65T	7.45Y	124.1	0.00	0.85	1.01	0	7	2	96	0.00	0.0	2.917	0.005	0	0	0	3
PL.67341	PD.10132	C	#4 ACSR	7.45Y	124.1	0.00	0.85	1.01	1	7	2	96	0.00	0.0	2.925	0.009	7	2	3	3
PL.67334	PL.67164	C	#1/0 ACSR	7.45Y	124.2	0.00	0.82	0.46	0	3	1	95	0.00	0.0	2.790	0.005	0	0	0	2
PD.10130	PL.67334	C	65T	7.45Y	124.2	0.00	0.82	0.46	0	3	1	95	0.00	0.0	2.790	0.005	0	0	0	2
PL.67335	PD.10130	C	#1/0 ACSR	7.45Y	124.2	0.00	0.82	0.46	0	3	1	95	0.00	0.0	2.862	0.072	3	1	2	2
PL.67348	PL.67163	C	#4 ACSR	7.45Y	124.2	0.00	0.79	0.95	1	7	2	96	0.00	0.0	2.643	0.005	0	0	0	1
PD.10136	PL.67348	C	65T	7.45Y	124.2	0.00	0.79	0.95	0	7	2	96	0.00	0.0	2.643	0.005	0	0	0	1
PL.67349	PD.10136	C	#4 ACSR	7.45Y	124.2	0.00	0.79	0.95	1	7	2	96	0.00	0.0	2.662	0.019	7	2	1	1
PL.67346	PL.67162	A	#2 ACSR	7.46Y	124.3	0.00	0.74	1.67	1	12	3	97	0.00	0.0	2.422	0.005	0	0	0	2
PD.10135	PL.67346	A	65T	7.46Y	124.3	0.00	0.74	1.67	0	12	3	97	0.00	0.0	2.422	0.005	0	0	0	2
PL.67347	PD.10135	A	#2 ACSR	7.46Y	124.3	0.00	0.74	1.67	1	12	3	97	0.00	0.0	2.452	0.029	12	3	2	2
PL.67306	PL.67162	C	#1/0 ACSR	7.46Y	124.3	0.00	0.74	0.89	0	6	2	95	0.00	0.0	2.422	0.005	0	0	0	1
PD.10116	PL.67306	C	65T	7.46Y	124.3	0.00	0.74	0.89	0	6	2	95	0.00	0.0	2.422	0.005	0	0	0	1
PL.67307	PD.10116	C	#1/0 ACSR	7.46Y	124.3	0.00	0.74	0.89	0	6	2	95	0.00	0.0	2.443	0.021	6	2	1	1
PL.67304	PL.67099	C	#4 ACSR	7.47Y	124.5	0.00	0.53	1.93	1	14	3	98	0.00	0.0	1.753	0.003	0	0	0	1
PD.10115	PL.67304	C	65T	7.47Y	124.5	0.00	0.53	1.93	0	14	3	98	0.00	0.0	1.753	0.003	0	0	0	1
PL.67305	PD.10115	C	#4 ACSR	7.47Y	124.5	0.00	0.54	1.93	1	14	3	98	0.00	0.0	1.829	0.076	14	3	1	1
PL.67344	PL.67222	C	#4 ACSR	7.48Y	124.7	0.00	0.34	1.78	1	13	3	97	0.00	0.0	1.189	0.005	0	0	0	2
PD.10134	PL.67344	C	65T	7.48Y	124.7	0.00	0.34	1.78	0	13	3	97	0.00	0.0	1.189	0.005	0	0	0	2
PL.67345	PD.10134	C	#4 ACSR	7.48Y	124.7	0.00	0.34	1.78	1	13	3	97	0.00	0.0	1.226	0.037	13	3	2	2
PL.67313	PL.67231	C	#1/0 ACSR	7.48Y	124.7	0.00	0.26	2.15	1	16	4	97	0.00	0.0	0.996	0.005	0	0	0	4
PD.10119	PL.67313	C	65T	7.48Y	124.7	0.00	0.26	2.15	0	16	4	97	0.00	0.0	0.996	0.005	0	0	0	4
PL.67312	PD.10119	C	#1/0 ACSR	7.48Y	124.7	0.00	0.27	2.15	1	16	4	97	0.00	0.0	1.033	0.037	16	4	4	4
PL.67342	PL.67197	A	#4 ACSR	7.49Y	124.8	0.00	0.21	2.19	2	16	4	97	0.00	0.0	0.854	0.005	0	0	0	3
PD.10133	PL.67342	A	65T	7.49Y	124.8	0.00	0.21	2.19	0	16	4	97	0.00	0.0	0.854	0.005	0	0	0	3
PL.67343	PD.10133	A	#4 ACSR	7.49Y	124.8	0.00	0.21	2.19	2	16	4	97	0.00	0.0	0.913	0.059	7	2	2	3
PL.67277	PL.67343	A	#4 ACSR	7.49Y	124.8	0.00	0.22	1.21	1	9	2	98	0.00	0.0	0.961	0.049	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: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.67485	McKee	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	96.49	19	2083	613	96	0.01	0.0	0.006	0.006	0	0	0	662
PL.72503	PL.67485	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	96.49	19	2083	613	96	0.00	0.0	0.008	0.002	0	0	0	662
---------- Feeder No. 1 (Bills Branch F1) Beginning with Device PD.10787 ----------																				
PD.10787	PL.72503	ABC	400VWE	7.50Y	125.0	0.00	0.00	96.49	0	2083	613	96	0.00	0.0	0.008	0.002	0	0	0	662
PL.72504	PD.10787	ABC	397 SPACER	7.50Y	125.0	0.04	0.04	96.49	19	2083	613	96	0.15	0.0	0.126	0.119	0	0	0	662
PL.66443	PL.72504	ABC	397 SPACER	7.50Y	124.9	0.04	0.08	96.49	19	2082	611	96	0.18	0.0	0.270	0.144	0	0	0	662
PL.66441	PL.66443	ABC	397 SPACER	7.49Y	124.9	0.02	0.10	96.49	19	2082	609	96	0.09	0.0	0.344	0.074	0	0	0	662
PL.66442	PL.66441	ABC	397 SPACER	7.49Y	124.9	0.01	0.12	96.49	19	2082	608	96	0.05	0.0	0.389	0.044	0	0	0	662
PL.66440	PL.66442	ABC	397 SPACER	7.49Y	124.9	0.03	0.15	96.49	19	2082	607	96	0.12	0.0	0.484	0.096	0	0	0	662
PL.66793	PL.66440	ABC	336 MCM AC	7.49Y	124.8	0.04	0.19	96.49	19	2082	606	96	0.43	0.0	0.539	0.055	0	0	0	662
PL.66794	PL.66793	ABC	336 MCM AC	7.49Y	124.8	0.06	0.25	96.49	19	2082	605	96	0.64	0.0	0.621	0.081	0	0	0	662
PL.66444	PL.66794	ABC	336 MCM AC	7.48Y	124.7	0.04	0.28	95.85	18	2067	600	96	0.40	0.0	0.672	0.051	9	2	2	660
PL.66893	PL.66444	C	#2 ACSR	7.48Y	124.7	0.00	0.28	1.67	1	12	3	97	0.00	0.0	0.677	0.005	0	0	0	2
PD.10055	PL.66893	C	65T	7.48Y	124.7	0.00	0.28	1.67	0	12	3	97	0.00	0.0	0.677	0.005	0	0	0	2
PL.66892	PD.10055	C	#2 ACSR	7.48Y	124.7	0.00	0.28	1.67	1	12	3	97	0.00	0.0	0.697	0.020	12	3	2	2
PL.66795	PL.66444	ABC	336 MCM AC	7.48Y	124.7	0.04	0.32	94.89	18	2046	594	96	0.38	0.0	0.722	0.050	13	3	1	656
PL.66796	PL.66795	ABC	336 MCM AC	7.48Y	124.6	0.04	0.35	94.30	18	2032	590	96	0.37	0.0	0.772	0.050	0	0	0	655
PL.66888	PL.66796	C	#2 ACSR	7.48Y	124.6	0.00	0.35	2.64	2	19	5	97	0.00	0.0	0.777	0.005	0	0	0	5
PD.10053	PL.66888	C	65T	7.48Y	124.6	0.00	0.35	2.64	0	19	5	97	0.00	0.0	0.777	0.005	0	0	0	5
PL.66889	PD.10053	C	#2 ACSR	7.48Y	124.6	0.00	0.36	2.64	2	19	5	97	0.00	0.0	0.811	0.034	4	1	1	5
PL.66791	PL.66889	C	#2 ACSR	7.48Y	124.6	0.00	0.36	2.03	1	15	4	97	0.00	0.0	0.843	0.032	6	1	1	4
PL.66792	PL.66791	C	#2 ACSR	7.48Y	124.6	0.00	0.36	1.18	1	9	2	98	0.00	0.0	0.887	0.044	9	2	3	3
PL.66445	PL.66796	ABC	336 MCM AC	7.47Y	124.5	0.10	0.46	93.42	18	2013	585	96	1.08	0.1	0.919	0.148	0	0	0	650
PL.66886	PL.66445	C	#2 ACSR	7.47Y	124.5	0.00	0.46	2.66	2	19	5	97	0.00	0.0	0.924	0.005	0	0	0	7
PD.10052	PL.66886	C	65T	7.47Y	124.5	0.00	0.46	2.66	0	19	5	97	0.00	0.0	0.924	0.005	0	0	0	7
PL.66887	PD.10052	C	#2 ACSR	7.47Y	124.5	0.00	0.46	2.66	2	19	5	97	0.00	0.0	0.981	0.056	0	0	1	7
PL.66790	PL.66887	C	#2 ACSR	7.47Y	124.5	0.00	0.47	2.64	2	19	5	97	0.00	0.0	1.035	0.054	13	3	3	6
PL.66285	PL.66790	C	#2 ACSR	7.47Y	124.5	0.00	0.47	0.78	0	6	1	99	0.00	0.0	1.086	0.051	6	1	3	3
PL.66446	PL.66445	ABC	336 MCM AC	7.47Y	124.5	0.05	0.51	92.53	18	1992	577	96	0.49	0.0	0.988	0.069	3	1	1	643

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: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.66675	PL.66446	ABC	336 MCM AC	7.46Y	124.4	0.08	0.59	91.94	18	1979	573	96	0.82	0.0	1.103	0.115	0	0	0	640
PL.66787	PL.66675	ABC	336 MCM AC	7.46Y	124.4	0.04	0.63	77.29	15	1659	494	96	0.39	0.0	1.180	0.077	0	0	1	471
PL.66788	PL.66787	ABC	336 MCM AC	7.46Y	124.3	0.03	0.66	77.29	15	1659	493	96	0.23	0.0	1.226	0.046	0	0	0	470
PL.66671	PL.66788	ABC	336 MCM AC	7.46Y	124.3	0.03	0.68	77.29	15	1658	493	96	0.23	0.0	1.271	0.045	0	0	0	470
PL.66672	PL.66671	ABC	336 MCM AC	7.46Y	124.3	0.00	0.69	77.29	15	1658	492	96	0.01	0.0	1.273	0.002	0	0	0	470
PL.66276	PL.66672	A	#1/0 ACSR	7.46Y	124.3	0.00	0.69	5.55	2	40	10	97	0.00	0.0	1.274	0.001	0	0	0	11
PD.10048	PL.66276	A	65T	7.46Y	124.3	0.00	0.69	5.55	0	40	10	97	0.00	0.0	1.274	0.001	0	0	0	11
PL.66669	PD.10048	A	#1/0 ACSR	7.46Y	124.3	0.00	0.69	5.55	2	40	10	97	0.00	0.0	1.275	0.001	0	0	0	11
PL.66670	PL.66669	A	#1/0 ACSR	7.46Y	124.3	0.00	0.69	5.55	2	40	10	97	0.00	0.0	1.327	0.053	40	10	11	11
PL.66279	PL.66670	A	#1/0 ACSR	7.46Y	124.3	0.00	0.69	0.00	0	0	0	100	0.00	0.0	1.343	0.016	0	0	0	0
PL.66668	PL.66672	ABC	336 MCM AC	7.46Y	124.3	0.01	0.70	75.45	15	1618	483	96	0.10	0.0	1.293	0.020	16	4	4	459
PL.66894	PL.66668	A	#2 ACSR	7.46Y	124.3	0.00	0.70	1.10	1	8	2	97	0.00	0.0	1.298	0.005	0	0	0	4
PD.10056	PL.66894	A	65T	7.46Y	124.3	0.00	0.70	1.10	0	8	2	97	0.00	0.0	1.298	0.005	0	0	0	4
PL.66895	PD.10056	A	#2 ACSR	7.46Y	124.3	0.00	0.70	1.10	1	8	2	97	0.00	0.0	1.351	0.053	8	2	4	4
PL.66784	PL.66895	A	#2 ACSR	7.46Y	124.3	0.00	0.70	0.00	0	0	0	100	0.00	0.0	1.391	0.040	0	0	0	0
PL.66667	PL.66668	ABC	336 MCM AC	7.45Y	124.2	0.07	0.77	74.34	14	1594	476	96	0.57	0.0	1.415	0.122	0	0	0	451
PL.66451	PL.66667	ABC	336 MCM AC	7.45Y	124.2	0.03	0.80	63.62	12	1374	369	97	0.25	0.0	1.488	0.073	1	0	2	450
PL.66286	PL.66451	ABC	336 MCM AC	7.45Y	124.1	0.06	0.86	61.15	12	1320	356	97	0.44	0.0	1.628	0.140	0	0	0	433
PL.66934	PL.66286	ABC	336 MCM AC	7.45Y	124.1	0.05	0.91	61.15	12	1320	355	97	0.34	0.0	1.736	0.108	0	0	0	433
PD.10076-A	PL.66934	ABC	Closed	7.45Y	124.1	0.00	0.91	61.15	0	1319	354	97	0.00	0.0	1.736	0.108	0	0	0	433
PD.10076-B	PD.10076-A	ABC	Closed	7.45Y	124.1	0.00	0.91	61.15	0	1319	354	97	0.00	0.0	1.736	0.108	0	0	0	433
PL.66935	PD.10076-B	ABC	336 MCM AC	7.44Y	124.0	0.07	0.98	61.15	12	1319	354	97	0.48	0.0	1.888	0.152	0	0	0	433
PL.66452	PL.66935	ABC	336 MCM AC	7.44Y	123.9	0.07	1.05	60.85	12	1312	351	97	0.50	0.0	2.050	0.162	0	0	0	430
PL.66568	PL.66452	ABC	336 MCM AC	7.43Y	123.9	0.03	1.09	60.85	12	1312	350	97	0.24	0.0	2.127	0.077	0	0	0	430
PL.66641	PL.66568	ABC	336 MCM AC	7.43Y	123.9	0.05	1.14	60.85	12	1312	349	97	0.37	0.0	2.245	0.118	0	0	0	430
PL.66569	PL.66641	ABC	336 MCM AC	7.43Y	123.8	0.08	1.22	60.85	12	1311	348	97	0.58	0.0	2.430	0.185	0	0	0	430
PL.66752	PL.66569	ABC	336 MCM AC	7.42Y	123.7	0.05	1.27	59.09	11	1275	330	97	0.32	0.0	2.541	0.111	8	2	1	429
PL.66753	PL.66752	ABC	336 MCM AC	7.42Y	123.7	0.05	1.32	58.75	11	1267	327	97	0.33	0.0	2.654	0.113	0	0	0	428
PL.66289	PL.66753	ABC	#1/0 ACSR	7.41Y	123.5	0.17	1.49	58.75	26	1266	326	97	1.51	0.1	2.819	0.164	0	0	0	428
PL.66940	PL.66289	ABC	#1/0 ACSR	7.41Y	123.5	0.00	1.49	58.75	26	1265	325	97	0.04	0.0	2.823	0.004	0	0	0	428
PL.66941	PL.66940	ABC	#1/0 ACSR	7.40Y	123.4	0.11	1.61	58.75	26	1265	325	97	1.00	0.1	2.932	0.109	0	0	0	428

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: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.66750	PL.66941	ABC	#1/0 ACSR	7.40Y	123.3	0.11	1.72	58.40	25	1256	322	97	0.92	0.1	3.034	0.102	4	1	1	427
PL.66751	PL.66750	ABC	#1/0 ACSR	7.39Y	123.1	0.15	1.86	58.22	25	1252	320	97	1.29	0.1	3.178	0.143	5	1	2	426
PL.66900	PL.66751	C	#4 ACSR	7.39Y	123.1	0.00	1.86	1.08	1	8	2	97	0.00	0.0	3.182	0.005	0	0	0	1
PD.10059	PL.66900	C	65T	7.39Y	123.1	0.00	1.86	1.08	0	8	2	97	0.00	0.0	3.182	0.005	0	0	0	1
PL.66901	PD.10059	C	#4 ACSR	7.39Y	123.1	0.00	1.86	1.08	1	8	2	97	0.00	0.0	3.211	0.029	8	2	1	1
PL.66290	PL.66751	ABC	#1/0 ACSR	7.38Y	123.0	0.11	1.97	57.09	25	1226	313	97	0.91	0.1	3.282	0.105	0	0	0	422
PL.66571	PL.66290	ABC	#1/0 ACSR	7.38Y	122.9	0.09	2.06	57.09	25	1225	312	97	0.76	0.1	3.370	0.087	0	0	0	422
PL.66732	PL.66571	A	#4 ACSR	7.38Y	122.9	0.01	2.06	2.50	2	18	4	98	0.00	0.0	3.426	0.056	5	1	1	3
PL.66902	PL.66732	A	#4 ACSR	7.38Y	122.9	0.00	2.07	1.86	1	13	3	97	0.00	0.0	3.430	0.005	0	0	0	2
PD.10060	PL.66902	A	65T	7.38Y	122.9	0.00	2.07	1.86	0	13	3	97	0.00	0.0	3.430	0.005	0	0	0	2
PL.66903	PD.10060	A	#4 ACSR	7.38Y	122.9	0.00	2.07	1.86	1	13	3	97	0.00	0.0	3.451	0.021	13	3	2	2
PL.66730	PL.66571	ABC	#1/0 ACSR	7.37Y	122.9	0.09	2.15	55.44	24	1189	303	97	0.72	0.1	3.459	0.089	16	4	2	415
PL.66731	PL.66730	ABC	#1/0 ACSR	7.37Y	122.8	0.08	2.23	54.70	24	1172	299	97	0.66	0.1	3.543	0.084	8	2	6	413
PL.66453	PL.66731	ABC	#1/0 ACSR	7.37Y	122.8	0.01	2.24	54.33	24	1164	296	97	0.07	0.0	3.551	0.008	0	0	0	407
PL.66454	PL.66453	ABC	#1/0 ACSR	7.36Y	122.7	0.04	2.28	40.23	17	861	223	97	0.25	0.0	3.609	0.058	6	1	1	316
PL.66311	PL.66454	ABC	#1/0 ACSR	7.36Y	122.7	0.07	2.35	39.94	17	854	221	97	0.40	0.0	3.704	0.095	3	1	1	315
PL.66728	PL.66311	ABC	#1/0 ACSR	7.36Y	122.6	0.06	2.41	39.44	17	843	218	97	0.37	0.0	3.795	0.091	6	1	1	310
PL.66729	PL.66728	ABC	#1/0 ACSR	7.35Y	122.5	0.11	2.52	39.17	17	837	216	97	0.63	0.1	3.949	0.154	0	0	0	309
PL.66573	PL.66729	ABC	#1/0 ACSR	7.34Y	122.4	0.12	2.64	39.17	17	836	215	97	0.71	0.1	4.122	0.173	0	0	0	309
PL.66574	PL.66573	ABC	#1/0 ACSR	7.34Y	122.3	0.10	2.74	39.17	17	835	215	97	0.60	0.1	4.270	0.147	0	0	0	309
PL.66575	PL.66574	ABC	#1/0 ACSR	7.33Y	122.2	0.06	2.80	39.17	17	835	214	97	0.36	0.0	4.359	0.089	0	0	0	309
PL.66642	PL.66575	ABC	#1/0 ACSR	7.33Y	122.1	0.07	2.87	39.17	17	834	214	97	0.41	0.0	4.459	0.100	0	0	0	309
PL.66314	PL.66642	ABC	#1/0 ACSR	7.32Y	122.0	0.12	3.00	39.17	17	834	213	97	0.72	0.1	4.635	0.176	0	0	0	309
PL.66577	PL.66314	ABC	#1/0 ACSR	7.32Y	122.0	0.03	3.03	39.17	17	833	213	97	0.20	0.0	4.682	0.048	0	0	0	309
PL.66576	PL.66577	ABC	#1/0 ACSR	7.31Y	121.9	0.07	3.10	39.17	17	833	213	97	0.42	0.1	4.785	0.103	0	0	0	309
PL.66639	PL.66576	ABC	#1/0 ACSR	7.31Y	121.9	0.00	3.10	39.17	17	833	212	97	0.01	0.0	4.788	0.003	0	0	0	309
RG.63	PL.66639	ABC	114.3 KVA	7.45Y	124.2	-2.33	0.77	39.17	26	833	212	97	percent Boost= 1.88 Tap= 3.0							309
PL.66653	RG.63	ABC	#1/0 ACSR	7.45Y	124.2	0.00	0.78	38.43	17	833	212	97	0.01	0.0	4.791	0.003	0	0	0	309
PL.66640	PL.66653	ABC	#1/0 ACSR	7.45Y	124.2	0.02	0.80	38.43	17	833	212	97	0.11	0.0	4.818	0.027	4	1	1	309
PL.66536	PL.66640	ABC	#1/0 ACSR	7.45Y	124.2	0.02	0.82	37.29	16	808	206	97	0.14	0.0	4.855	0.037	0	0	0	305
PL.66936	PL.66536	ABC	#1/0 ACSR	7.45Y	124.2	0.00	0.82	37.29	16	808	206	97	0.01	0.0	4.858	0.003	0	0	0	305

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% 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.10078	PL.66936	ABC	70L	7.45Y	124.2	0.00	0.82	37.29	53	808	206	97	0.00	0.0	4.858	0.003	0	0	0	305
PL.66937	PD.10078	ABC	#1/0 ACSR	7.44Y	124.1	0.12	0.94	37.29	16	808	206	97	0.69	0.1	5.043	0.185	0	0	0	305
PL.66582	PL.66937	ABC	#1/0 ACSR	7.44Y	124.0	0.09	1.03	37.29	16	807	205	97	0.47	0.1	5.171	0.128	0	0	0	305
PL.66584	PL.66582	ABC	#1/0 ACSR	7.44Y	123.9	0.04	1.07	37.29	16	807	205	97	0.23	0.0	5.233	0.062	0	0	0	305
PL.66583	PL.66584	ABC	#1/0 ACSR	7.43Y	123.9	0.07	1.14	37.29	16	806	205	97	0.39	0.0	5.338	0.105	0	0	0	305
PL.66585	PL.66583	ABC	#1/0 ACSR	7.43Y	123.8	0.06	1.20	37.29	16	806	204	97	0.33	0.0	5.427	0.089	0	0	0	305
PL.66586	PL.66585	ABC	#1/0 ACSR	7.42Y	123.7	0.05	1.25	37.29	16	806	204	97	0.28	0.0	5.502	0.076	0	0	0	305
PL.66587	PL.66586	ABC	#1/0 ACSR	7.42Y	123.7	0.07	1.32	37.29	16	805	204	97	0.39	0.0	5.610	0.107	9	2	1	305
PL.66315	PL.66587	ABC	#1/0 ACSR	7.42Y	123.6	0.07	1.39	36.85	16	795	201	97	0.38	0.0	5.714	0.104	0	0	0	304
PL.66829	PL.66315	A	6 A (CWC)	7.42Y	123.6	0.00	1.39	1.02	1	7	2	96	0.00	0.0	5.762	0.048	0	0	0	5
PD.10021	PL.66829	A	30T	7.42Y	123.6	0.00	1.39	1.02	0	7	2	96	0.00	0.0	5.762	0.048	0	0	0	5
PL.66830	PD.10021	A	6 A (CWC)	7.42Y	123.6	0.00	1.39	1.02	1	7	2	96	0.00	0.0	5.807	0.045	0	0	0	5
PL.66589	PL.66830	A	6 A (CWC)	7.42Y	123.6	0.01	1.40	1.02	1	7	2	96	0.00	0.0	5.930	0.122	0	0	0	5
PL.66588	PL.66589	A	6 A (CWC)	7.42Y	123.6	0.01	1.40	1.02	1	7	2	96	0.00	0.0	6.041	0.111	0	0	0	5
PL.66590	PL.66588	A	6 A (CWC)	7.42Y	123.6	0.01	1.41	1.02	1	7	2	96	0.00	0.0	6.219	0.178	5	1	1	5
PL.66317	PL.66590	A	6 A (CWC)	7.42Y	123.6	0.00	1.41	0.38	0	3	1	95	0.00	0.0	6.275	0.056	0	0	1	4
PL.66318	PL.66317	A	6 A (CWC)	7.42Y	123.6	0.00	1.41	0.33	0	2	1	89	0.00	0.0	6.453	0.178	0	0	0	3
PL.66591	PL.66318	A	6 A (CWC)	7.41Y	123.6	0.00	1.42	0.33	0	2	1	89	0.00	0.0	6.634	0.181	0	0	0	3
PL.66592	PL.66591	A	6 A (CWC)	7.41Y	123.6	0.00	1.42	0.33	0	2	1	89	0.00	0.0	6.793	0.159	1	0	1	3
PL.66319	PL.66592	A	#4 ACSR	7.41Y	123.6	0.00	1.42	0.18	0	1	0	100	0.00	0.0	6.928	0.134	0	0	0	2
PL.66593	PL.66319	A	#4 ACSR	7.41Y	123.6	0.00	1.42	0.18	0	1	0	100	0.00	0.0	7.108	0.180	0	0	0	2
PL.66594	PL.66593	A	#4 ACSR	7.41Y	123.6	0.00	1.42	0.18	0	1	0	100	0.00	0.0	7.245	0.137	0	0	0	2
PL.66595	PL.66594	A	#4 ACSR	7.41Y	123.6	0.00	1.42	0.18	0	1	0	100	0.00	0.0	7.399	0.154	0	0	0	2
PL.66596	PL.66595	A	#4 ACSR	7.41Y	123.6	0.00	1.42	0.18	0	1	0	100	0.00	0.0	7.582	0.183	0	0	0	2
PL.66597	PL.66596	A	#4 ACSR	7.41Y	123.6	0.00	1.43	0.18	0	1	0	100	0.00	0.0	7.714	0.132	0	0	0	2
PL.66320	PL.66597	A	#4 ACSR	7.41Y	123.6	0.00	1.43	0.18	0	1	0	100	0.00	0.0	7.859	0.145	0	0	0	2
PL.66598	PL.66320	A	#4 ACSR	7.41Y	123.6	0.00	1.43	0.18	0	1	0	100	0.00	0.0	7.947	0.088	1	0	2	2
PL.66537	PL.66315	ABC	#1/0 ACSR	7.41Y	123.5	0.07	1.46	36.51	16	788	199	97	0.36	0.0	5.814	0.101	0	0	0	299
PL.66316	PL.66537	ABC	#1/0 ACSR	7.41Y	123.5	0.07	1.52	36.51	16	787	199	97	0.37	0.0	5.918	0.104	0	0	0	299
PL.66714	PL.66316	ABC	#1/0 ACSR	7.40Y	123.4	0.09	1.61	36.51	16	787	198	97	0.48	0.1	6.055	0.137	4	1	1	299
PL.66715	PL.66714	ABC	#1/0 ACSR	7.40Y	123.3	0.11	1.72	36.34	16	783	197	97	0.60	0.1	6.227	0.172	0	0	0	298

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.66599	PL.66715	ABC	#1/0 ACSR	7.39Y	123.2	0.08	1.80	36.34	16	782	196	97	0.42	0.1	6.345	0.118	0	0	0	298
PL.66600	PL.66599	ABC	#1/0 ACSR	7.39Y	123.1	0.09	1.89	36.34	16	782	196	97	0.48	0.1	6.481	0.135	0	0	0	298
PL.66601	PL.66600	ABC	#1/0 ACSR	7.38Y	123.0	0.08	1.96	36.34	16	781	195	97	0.41	0.1	6.597	0.117	0	0	0	298
PL.66602	PL.66601	ABC	#1/0 ACSR	7.38Y	123.0	0.07	2.03	36.34	16	781	195	97	0.38	0.0	6.705	0.108	0	0	0	298
PL.66710	PL.66602	ABC	#1/0 ACSR	7.37Y	122.9	0.06	2.09	36.34	16	780	195	97	0.34	0.0	6.803	0.097	2	1	1	298
PL.66711	PL.66710	ABC	#1/0 ACSR	7.37Y	122.8	0.07	2.17	36.23	16	778	194	97	0.40	0.1	6.917	0.114	0	0	0	297
PL.66929	PL.66711	A	#4 ACSR	7.37Y	122.8	0.00	2.17	1.43	1	10	2	98	0.00	0.0	6.922	0.005	0	0	0	2
PD.10073	PL.66929	A	30T	7.37Y	122.8	0.00	2.17	1.43	0	10	2	98	0.00	0.0	6.922	0.005	0	0	0	2
PL.66928	PD.10073	A	#4 ACSR	7.37Y	122.8	0.00	2.17	1.43	1	10	2	98	0.00	0.0	6.986	0.064	10	2	2	2
PL.66538	PL.66711	ABC	#1/0 ACSR	7.37Y	122.8	0.07	2.24	35.75	16	767	191	97	0.37	0.0	7.027	0.110	0	0	0	295
PL.66321	PL.66538	ABC	#1/0 ACSR	7.36Y	122.7	0.06	2.30	35.75	16	767	191	97	0.34	0.0	7.127	0.100	0	0	0	295
PL.66322	PL.66321	ABC	#1/0 ACSR	7.36Y	122.6	0.06	2.36	35.75	16	766	190	97	0.34	0.0	7.225	0.099	0	0	0	294
PL.66327	PL.66322	A	#1/0 ACSR	7.36Y	122.6	0.03	2.39	24.98	11	178	44	97	0.03	0.0	7.268	0.043	0	0	0	77
PL.66330	PL.66327	A	#4 ACSR	7.36Y	122.6	0.00	2.39	0.48	0	3	1	95	0.00	0.0	7.300	0.032	3	1	3	3
PL.66331	PL.66327	A	#1/0 ACSR	7.36Y	122.6	0.00	2.39	24.50	11	175	43	97	0.00	0.0	7.271	0.003	0	0	0	74
PD.10077	PL.66331	A	50L	7.36Y	122.6	0.00	2.39	24.50	49	175	43	97	0.00	0.0	7.271	0.003	0	0	0	74
PL.66542	PD.10077	A	#1/0 ACSR	7.36Y	122.6	0.02	2.41	22.99	10	164	41	97	0.02	0.0	7.301	0.031	0	0	0	72
PL.66332	PL.66542	A	#1/0 ACSR	7.35Y	122.5	0.10	2.50	22.99	10	164	41	97	0.11	0.1	7.479	0.178	0	0	0	72
PL.66603	PL.66332	A	#1/0 ACSR	7.34Y	122.4	0.10	2.61	22.99	10	164	41	97	0.11	0.1	7.666	0.187	0	0	0	72
PL.66604	PL.66603	A	#1/0 ACSR	7.34Y	122.3	0.05	2.66	22.99	10	164	40	97	0.06	0.0	7.763	0.098	0	0	0	72
PL.66333	PL.66604	A	#1/0 ACSR	7.34Y	122.3	0.05	2.70	22.99	10	164	40	97	0.05	0.0	7.847	0.084	0	0	0	72
PL.66652	PL.66333	A	#1/0 ACSR	7.33Y	122.2	0.08	2.78	22.99	10	164	40	97	0.09	0.1	7.991	0.144	0	0	0	72
PL.66605	PL.66652	A	#1/0 ACSR	7.33Y	122.1	0.09	2.88	22.99	10	164	40	97	0.10	0.1	8.166	0.175	0	0	0	72
PL.66543	PL.66605	A	#1/0 ACSR	7.32Y	122.0	0.09	2.96	22.83	10	163	40	97	0.10	0.1	8.329	0.164	0	0	0	71
PL.66334	PL.66543	A	6 A (CWC)	7.32Y	122.0	0.00	2.96	0.21	0	1	0	100	0.00	0.0	8.394	0.065	1	0	1	1
PL.66544	PL.66543	A	#1/0 ACSR	7.32Y	122.0	0.08	3.04	22.63	10	161	39	97	0.08	0.1	8.471	0.141	0	0	0	70
PL.66606	PL.66544	A	#1/0 ACSR	7.31Y	121.9	0.06	3.10	22.63	10	161	39	97	0.06	0.0	8.585	0.114	4	1	3	70
PL.66922	PL.66606	A	6 A (CWC)	7.31Y	121.9	0.00	3.10	2.37	2	17	4	97	0.00	0.0	8.589	0.005	0	0	0	8
PD.10070	PL.66922	A	20T	7.31Y	121.9	0.00	3.10	2.37	0	17	4	97	0.00	0.0	8.589	0.005	0	0	0	8
PL.66923	PD.10070	A	6 A (CWC)	7.31Y	121.9	0.01	3.12	2.37	2	17	4	97	0.00	0.0	8.729	0.139	0	0	0	8
PL.66607	PL.66923	A	6 A (CWC)	7.31Y	121.9	0.02	3.13	2.37	2	17	4	97	0.00	0.0	8.878	0.149	0	0	0	8

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.66608	PL.66607	A	6 A (CWC)	7.31Y	121.8	0.02	3.15	2.37	2	17	4	97	0.00	0.0	9.064	0.186	0	0	0	8
PL.66703	PL.66608	A	6 A (CWC)	7.31Y	121.8	0.01	3.16	2.37	2	17	4	97	0.00	0.0	9.132	0.068	2	0	1	8
PL.66704	PL.66703	A	6 A (CWC)	7.31Y	121.8	0.02	3.17	2.10	2	15	4	97	0.00	0.0	9.296	0.164	0	0	0	7
PL.66678	PL.66704	A	6 A (CWC)	7.31Y	121.8	0.01	3.18	2.10	2	15	4	97	0.00	0.0	9.411	0.114	3	1	1	7
PL.66679	PL.66678	A	6 A (CWC)	7.31Y	121.8	0.01	3.20	1.74	1	12	3	97	0.00	0.0	9.583	0.173	0	0	0	6
PL.66609	PL.66679	A	6 A (CWC)	7.31Y	121.8	0.01	3.21	1.74	1	12	3	97	0.00	0.0	9.737	0.154	0	0	0	6
PL.66797	PL.66609	A	6 A (CWC)	7.31Y	121.8	0.01	3.22	1.74	1	12	3	97	0.00	0.0	9.872	0.135	6	2	2	6
PL.66798	PL.66797	A	6 A (CWC)	7.31Y	121.8	0.01	3.22	0.84	1	6	1	99	0.00	0.0	10.028	0.157	0	0	0	4
PL.66545	PL.66798	A	6 A (CWC)	7.31Y	121.8	0.00	3.23	0.84	1	6	1	99	0.00	0.0	10.138	0.110	2	1	1	4
PL.66338	PL.66545	A	6 A (CWC)	7.31Y	121.8	0.00	3.23	0.51	0	4	1	97	0.00	0.0	10.267	0.128	0	0	0	3
PL.66610	PL.66338	A	6 A (CWC)	7.31Y	121.8	0.00	3.23	0.51	0	4	1	97	0.00	0.0	10.376	0.110	0	0	0	3
PL.66680	PL.66610	A	6 A (CWC)	7.31Y	121.8	0.00	3.24	0.51	0	4	1	97	0.00	0.0	10.528	0.152	0	0	0	3
PL.66681	PL.66680	A	6 A (CWC)	7.31Y	121.8	0.00	3.24	0.51	0	4	1	97	0.00	0.0	10.585	0.057	0	0	1	3
PL.66339	PL.66681	A	6 A (CWC)	7.31Y	121.8	0.00	3.24	0.50	0	4	1	97	0.00	0.0	10.693	0.109	0	0	0	2
PL.66611	PL.66339	A	6 A (CWC)	7.31Y	121.8	0.00	3.24	0.50	0	4	1	97	0.00	0.0	10.893	0.199	0	0	0	2
PL.66643	PL.66611	A	6 A (CWC)	7.31Y	121.8	0.00	3.24	0.50	0	4	1	97	0.00	0.0	10.930	0.037	0	0	0	2
PL.66340	PL.66643	A	6 A (CWC)	7.31Y	121.8	0.00	3.25	0.50	0	4	1	97	0.00	0.0	11.063	0.134	4	1	2	2
PL.66546	PL.66643	A	6 A (CWC)	7.31Y	121.8	0.00	3.24	0.00	0	0	0	100	0.00	0.0	10.980	0.050	0	0	0	0
PL.66335	PL.66606	A	#1/0 ACSR	7.31Y	121.8	0.07	3.17	19.65	9	140	34	97	0.07	0.0	8.745	0.160	0	0	0	59
PL.66341	PL.66335	A	#4 ACSR	7.31Y	121.8	0.00	3.17	0.36	0	3	1	95	0.00	0.0	8.789	0.044	3	1	1	1
PL.66547	PL.66335	A	#1/0 ACSR	7.31Y	121.8	0.04	3.21	19.29	8	137	33	97	0.04	0.0	8.831	0.086	0	0	0	58
PL.66912	PL.66547	A	6 A (CWC)	7.31Y	121.8	0.00	3.21	1.44	1	10	2	98	0.00	0.0	8.836	0.005	0	0	0	8
PD.10065	PL.66912	A	20T	7.31Y	121.8	0.00	3.21	1.44	0	10	2	98	0.00	0.0	8.836	0.005	0	0	0	8
PL.66913	PD.10065	A	6 A (CWC)	7.31Y	121.8	0.01	3.22	1.44	1	10	2	98	0.00	0.0	9.005	0.170	0	0	0	8
PL.66612	PL.66913	A	6 A (CWC)	7.31Y	121.8	0.01	3.24	1.44	1	10	2	98	0.00	0.0	9.177	0.171	0	0	0	8
PL.66613	PL.66612	A	6 A (CWC)	7.31Y	121.8	0.01	3.25	1.44	1	10	2	98	0.00	0.0	9.325	0.148	0	0	0	8
PL.66615	PL.66613	A	6 A (CWC)	7.31Y	121.8	0.00	3.25	1.44	1	10	2	98	0.00	0.0	9.387	0.063	0	0	0	8
PL.66614	PL.66615	A	6 A (CWC)	7.30Y	121.7	0.01	3.26	1.44	1	10	2	98	0.00	0.0	9.556	0.169	0	0	0	8
PL.66381	PL.66614	A	6 A (CWC)	7.30Y	121.7	0.01	3.27	1.44	1	10	2	98	0.00	0.0	9.658	0.102	3	1	2	8
PL.66662	PL.66381	A	6 A (CWC)	7.30Y	121.7	0.01	3.27	1.01	1	7	2	96	0.00	0.0	9.823	0.164	2	1	3	6
PL.66661	PL.66662	A	6 A (CWC)	7.30Y	121.7	0.00	3.27	0.03	0	0	0	100	0.00	0.0	9.859	0.036	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: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.66379	PL.66661	A	6 A (CWC)	7.30Y	121.7	0.00	3.27	0.03	0	0	0	100	0.00	0.0	10.011	0.152	0	0	1	2
PL.66378	PL.66379	A	#4 ACSR	7.30Y	121.7	0.00	3.27	0.00	0	0	0	100	0.00	0.0	10.084	0.074	0	0	1	1
PL.66380	PL.66662	A	#1/0 ACSR	7.30Y	121.7	0.00	3.27	0.66	0	5	1	98	0.00	0.0	9.966	0.143	0	0	0	1
PL.66708	PL.66380	A	#1/0 ACSR	7.30Y	121.7	0.00	3.28	0.66	0	5	1	98	0.00	0.0	10.105	0.139	0	0	0	1
PL.66709	PL.66708	A	#1/0 ACSR	7.30Y	121.7	0.00	3.28	0.66	0	5	1	98	0.00	0.0	10.249	0.144	5	1	1	1
PL.66924	PL.66547	A	#1/0 ACSR	7.31Y	121.8	0.00	3.22	17.85	8	127	31	97	0.00	0.0	8.836	0.005	0	0	0	50
PD.10071	PL.66924	A	20T	7.31Y	121.8	0.00	3.22	17.85	0	127	31	97	0.00	0.0	8.836	0.005	0	0	0	50
PL.66925	PD.10071	A	#1/0 ACSR	7.31Y	121.8	0.03	3.24	17.85	8	127	31	97	0.02	0.0	8.896	0.061	0	0	0	50
PL.66616	PL.66925	A	#1/0 ACSR	7.30Y	121.7	0.06	3.31	17.85	8	127	31	97	0.06	0.0	9.051	0.154	0	0	0	50
PL.66822	PL.66616	A	6 A (CWC)	7.30Y	121.7	0.00	3.31	2.24	2	16	4	97	0.00	0.0	9.055	0.005	0	0	0	2
PD.10017	PL.66822	A	20T	7.30Y	121.7	0.00	3.31	2.24	0	16	4	97	0.00	0.0	9.055	0.005	0	0	0	2
PL.66821	PD.10017	A	6 A (CWC)	7.30Y	121.7	0.00	3.31	2.24	2	16	4	97	0.00	0.0	9.139	0.084	16	4	2	2
PL.66706	PL.66616	A	#1/0 ACSR	7.30Y	121.7	0.01	3.31	15.61	7	111	27	97	0.01	0.0	9.076	0.026	2	1	2	48
PL.66707	PL.66706	A	#1/0 ACSR	7.30Y	121.7	0.03	3.34	15.26	7	108	26	97	0.02	0.0	9.152	0.075	1	0	1	46
PL.66705	PL.66707	A	#1/0 ACSR	7.30Y	121.6	0.06	3.40	15.14	7	107	26	97	0.05	0.0	9.332	0.180	3	1	1	45
PL.66343	PL.66705	A	#1/0 ACSR	7.29Y	121.5	0.05	3.45	14.50	6	103	25	97	0.03	0.0	9.479	0.148	2	0	1	42
PL.66344	PL.66343	A	#1/0 ACSR	7.29Y	121.5	0.01	3.47	13.57	6	96	23	97	0.01	0.0	9.524	0.044	0	0	0	39
PL.66360	PL.66344	A	#1/0 ACSR	7.29Y	121.5	0.02	3.49	13.57	6	96	23	97	0.01	0.0	9.580	0.056	1	0	1	39
PL.66362	PL.66360	A	#1/0 ACSR	7.29Y	121.5	0.01	3.49	12.56	5	89	21	97	0.00	0.0	9.609	0.029	0	0	0	37
PL.66548	PL.66362	A	6 A (CWC)	7.29Y	121.5	0.01	3.50	8.28	6	59	14	97	0.00	0.0	9.636	0.027	5	1	1	23
PL.66701	PL.66548	A	6 A (CWC)	7.29Y	121.5	0.04	3.54	7.51	5	53	13	97	0.02	0.0	9.758	0.123	1	0	1	22
PL.66702	PL.66701	A	6 A (CWC)	7.29Y	121.4	0.01	3.55	7.36	5	52	13	97	0.00	0.0	9.790	0.032	10	2	2	21
PL.66364	PL.66702	A	6 A (CWC)	7.29Y	121.4	0.03	3.58	5.90	4	42	10	97	0.01	0.0	9.886	0.096	0	0	0	19
PL.66619	PL.66364	A	6 A (CWC)	7.28Y	121.4	0.05	3.63	5.90	4	42	10	97	0.01	0.0	10.071	0.184	5	1	1	19
PL.66659	PL.66619	A	6 A (CWC)	7.28Y	121.4	0.01	3.63	4.51	3	32	8	97	0.00	0.0	10.107	0.036	0	0	0	16
PL.66660	PL.66659	A	6 A (CWC)	7.28Y	121.4	0.01	3.64	4.51	3	32	8	97	0.00	0.0	10.165	0.058	6	1	2	16
PL.66684	PL.66660	A	6 A (CWC)	7.28Y	121.3	0.01	3.66	3.01	2	21	5	97	0.00	0.0	10.258	0.093	5	1	1	12
PL.66685	PL.66684	A	6 A (CWC)	7.28Y	121.3	0.00	3.66	2.32	2	16	4	97	0.00	0.0	10.318	0.060	12	3	6	11
PL.66809	PL.66685	A	#4 ACSR	7.28Y	121.3	0.00	3.66	0.66	1	5	1	98	0.00	0.0	10.353	0.035	0	0	0	5
PD.10011	PL.66809	A	20T	7.28Y	121.3	0.00	3.66	0.66	0	5	1	98	0.00	0.0	10.353	0.035	0	0	0	5
PL.66810	PD.10011	A	#4 ACSR	7.28Y	121.3	0.00	3.66	0.66	1	5	1	98	0.00	0.0	10.411	0.058	0	0	0	5

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

Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.66621	PL.66810	A	#4 ACSR	7.28Y	121.3	0.00	3.67	0.66	1	5	1	98	0.00	0.0	10.529	0.117	0	0	0	5
PL.66622	PL.66621	A	#4 ACSR	7.28Y	121.3	0.00	3.67	0.66	1	5	1	98	0.00	0.0	10.694	0.165	0	0	0	5
PL.66688	PL.66622	A	#4 ACSR	7.28Y	121.3	0.00	3.67	0.66	1	5	1	98	0.00	0.0	10.858	0.164	2	1	2	5
PL.66689	PL.66688	A	#4 ACSR	7.28Y	121.3	0.00	3.68	0.34	0	2	1	89	0.00	0.0	10.977	0.120	0	0	0	3
PL.66686	PL.66689	A	#4 ACSR	7.28Y	121.3	0.00	3.68	0.34	0	2	1	89	0.00	0.0	11.095	0.118	0	0	1	3
PL.66687	PL.66686	A	#4 ACSR	7.28Y	121.3	0.00	3.68	0.33	0	2	1	89	0.00	0.0	11.215	0.120	0	0	0	2
PL.66623	PL.66687	A	#4 ACSR	7.28Y	121.3	0.00	3.68	0.33	0	2	1	89	0.00	0.0	11.312	0.097	0	0	0	2
PL.66624	PL.66623	A	#4 ACSR	7.28Y	121.3	0.00	3.68	0.33	0	2	1	89	0.00	0.0	11.455	0.143	0	0	0	2
PL.66683	PL.66624	A	#4 ACSR	7.28Y	121.3	0.00	3.68	0.33	0	2	1	89	0.00	0.0	11.501	0.046	1	0	1	2
PL.66682	PL.66683	A	#4 ACSR	7.28Y	121.3	0.00	3.68	0.26	0	2	0	100	0.00	0.0	11.588	0.088	0	0	0	1
PL.66438	PL.66682	A	#4 ACSR	7.28Y	121.3	0.00	3.69	0.26	0	2	0	100	0.00	0.0	11.691	0.103	2	0	1	1
PL.66811	PL.66660	A	#4 ACSR	7.28Y	121.4	0.00	3.64	0.63	0	4	1	97	0.00	0.0	10.170	0.005	0	0	0	2
PD.10012	PL.66811	A	20T	7.28Y	121.4	0.00	3.64	0.63	0	4	1	97	0.00	0.0	10.170	0.005	0	0	0	2
PL.66812	PD.10012	A	#4 ACSR	7.28Y	121.4	0.00	3.65	0.63	0	4	1	97	0.00	0.0	10.287	0.117	2	0	1	2
PL.66377	PL.66812	A	#4 ACSR	7.28Y	121.4	0.00	3.65	0.40	0	3	1	95	0.00	0.0	10.410	0.123	0	0	0	1
PL.66620	PL.66377	A	#4 ACSR	7.28Y	121.3	0.00	3.65	0.40	0	3	1	95	0.00	0.0	10.533	0.123	3	1	1	1
PL.66366	PL.66659	A	#2 ACSR	7.28Y	121.4	0.00	3.63	0.00	0	0	0	100	0.00	0.0	10.114	0.007	0	0	0	0
PL.66365	PL.66619	A	6 A (CWC)	7.28Y	121.4	0.00	3.63	0.66	0	5	1	98	0.00	0.0	10.169	0.098	5	1	2	2
PL.66361	PL.66362	A	6 A (CWC)	7.29Y	121.5	0.00	3.49	0.38	0	3	1	95	0.00	0.0	9.656	0.047	3	1	1	1
PL.66817	PL.66362	A	#1/0 ACSR	7.29Y	121.5	0.00	3.49	3.90	2	28	7	97	0.00	0.0	9.614	0.005	0	0	0	13
PD.10015	PL.66817	A	20T	7.29Y	121.5	0.00	3.49	3.90	0	28	7	97	0.00	0.0	9.614	0.005	0	0	0	13
PL.66818	PD.10015	A	#1/0 ACSR	7.29Y	121.5	0.02	3.51	3.90	2	28	7	97	0.00	0.0	9.791	0.178	0	0	0	13
PL.66814	PL.66818	A	6 A (CWC)	7.29Y	121.5	0.00	3.51	0.03	0	0	0	100	0.00	0.0	9.907	0.116	0	0	0	2
PD.10013	PL.66814	A	20T	7.29Y	121.5	0.00	3.51	0.03	0	0	0	100	0.00	0.0	9.907	0.116	0	0	0	2
PL.66813	PD.10013	A	6 A (CWC)	7.29Y	121.5	0.00	3.51	0.03	0	0	0	100	0.00	0.0	10.023	0.116	0	0	1	2
PL.66700	PL.66813	A	6 A (CWC)	7.29Y	121.5	0.00	3.51	0.03	0	0	0	100	0.00	0.0	10.169	0.145	0	0	0	1
PL.66617	PL.66700	A	6 A (CWC)	7.29Y	121.5	0.00	3.51	0.03	0	0	0	100	0.00	0.0	10.295	0.127	0	0	0	1
PL.66371	PL.66617	A	6 A (CWC)	7.29Y	121.5	0.00	3.51	0.03	0	0	0	100	0.00	0.0	10.404	0.109	0	0	1	1
PL.66370	PL.66818	A	#1/0 ACSR	7.29Y	121.5	0.02	3.53	3.60	2	26	6	97	0.00	0.0	9.987	0.196	0	0	0	10
PL.66618	PL.66370	A	#1/0 ACSR	7.29Y	121.5	0.01	3.54	3.60	2	26	6	97	0.00	0.0	10.083	0.096	0	0	0	10
PL.66549	PL.66618	A	#1/0 ACSR	7.29Y	121.5	0.01	3.55	3.37	1	24	6	97	0.00	0.0	10.267	0.184	7	2	1	9

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

Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.66374	PL.66549	A	#2 ACSR	7.29Y	121.5	0.00	3.55	0.95	1	7	2	96	0.00	0.0	10.280	0.013	0	0	0	1
PL.66372	PL.66374	A	#2 ACSR	7.29Y	121.5	0.00	3.55	0.95	1	7	2	96	0.00	0.0	10.312	0.032	7	2	1	1
PL.66367	PL.66549	A	#4 ACSR	7.29Y	121.5	0.00	3.55	0.19	0	1	0	100	0.00	0.0	10.324	0.056	1	0	1	1
PL.66373	PL.66549	A	#1/0 ACSR	7.29Y	121.4	0.00	3.55	1.28	1	9	2	98	0.00	0.0	10.379	0.112	0	0	0	6
PL.66550	PL.66373	A	#1/0 ACSR	7.29Y	121.4	0.00	3.55	0.81	0	6	1	99	0.00	0.0	10.554	0.174	0	0	0	2
PL.66676	PL.66550	A	#1/0 ACSR	7.29Y	121.4	0.00	3.55	0.81	0	6	1	99	0.00	0.0	10.584	0.030	6	1	2	2
PL.66677	PL.66676	A	#4 ACSR	7.29Y	121.4	0.00	3.55	0.00	0	0	0	100	0.00	0.0	10.733	0.149	0	0	0	0
PL.66375	PL.66373	A	#4 ACSR	7.29Y	121.4	0.00	3.55	0.47	0	3	1	95	0.00	0.0	10.435	0.056	3	1	4	4
PL.66369	PL.66618	A	6 A (CWC)	7.29Y	121.5	0.00	3.54	0.24	0	2	0	100	0.00	0.0	10.140	0.057	2	0	1	1
PL.66368	PL.66369	A	#4 ACSR	7.29Y	121.5	0.00	3.54	0.00	0	0	0	100	0.00	0.0	10.220	0.080	0	0	0	0
PL.66376	PL.66818	A	6 A (CWC)	7.29Y	121.5	0.00	3.51	0.26	0	2	0	100	0.00	0.0	9.908	0.117	2	0	1	1
PL.66363	PL.66360	A	#1/0 ACSR	7.29Y	121.5	0.00	3.49	0.83	0	6	1	99	0.00	0.0	9.644	0.064	6	1	1	1
PL.66815	PL.66343	A	#4 ACSR	7.29Y	121.5	0.00	3.46	0.69	1	5	1	98	0.00	0.0	9.484	0.005	0	0	0	2
PD.10014	PL.66815	A	20T	7.29Y	121.5	0.00	3.46	0.69	0	5	1	98	0.00	0.0	9.484	0.005	0	0	0	2
PL.66816	PD.10014	A	#4 ACSR	7.29Y	121.5	0.00	3.46	0.69	1	5	1	98	0.00	0.0	9.632	0.147	3	1	1	2
PL.66345	PL.66816	A	#4 ACSR	7.29Y	121.5	0.00	3.46	0.28	0	2	0	100	0.00	0.0	9.764	0.133	0	0	0	1
PL.66346	PL.66345	A	#4 ACSR	7.29Y	121.5	0.00	3.46	0.28	0	2	0	100	0.00	0.0	9.794	0.030	2	0	1	1
PL.66819	PL.66705	A	#2 ACSR	7.30Y	121.6	0.00	3.40	0.26	0	2	0	100	0.00	0.0	9.336	0.005	0	0	0	2
PD.10016	PL.66819	A	20T	7.30Y	121.6	0.00	3.40	0.26	0	2	0	100	0.00	0.0	9.336	0.005	0	0	0	2
PL.66820	PD.10016	A	#2 ACSR	7.30Y	121.6	0.00	3.41	0.26	0	2	0	100	0.00	0.0	9.361	0.025	0	0	1	2
PL.66342	PL.66820	A	#2 ACSR	7.30Y	121.6	0.00	3.41	0.25	0	2	0	100	0.00	0.0	9.492	0.131	2	0	1	1
PL.66926	PL.66605	A	6 A (CWC)	7.33Y	122.1	0.00	2.88	0.15	0	1	0	100	0.00	0.0	8.171	0.005	0	0	0	1
PD.10072	PL.66926	A	20T	7.33Y	122.1	0.00	2.88	0.15	0	1	0	100	0.00	0.0	8.171	0.005	0	0	0	1
PL.66927	PD.10072	A	6 A (CWC)	7.33Y	122.1	0.00	2.88	0.15	0	1	0	100	0.00	0.0	8.370	0.199	1	0	1	1
PL.66329	PD.10077	A	#4 ACSR	7.36Y	122.6	0.00	2.39	1.52	1	11	3	96	0.00	0.0	7.314	0.044	11	3	2	2
PL.66326	PL.66322	B	6 A (CWC)	7.36Y	122.6	0.00	2.37	0.80	1	6	1	99	0.00	0.0	7.277	0.051	6	1	1	3
PL.66328	PL.66326	B	6 A (CWC)	7.36Y	122.6	0.00	2.37	0.00	0	0	0	100	0.00	0.0	7.300	0.023	0	0	2	2
PL.66323	PL.66322	ABC	#1/0 ACSR	7.36Y	122.6	0.03	2.39	27.16	12	582	144	97	0.12	0.0	7.285	0.060	0	0	0	214
PL.66325	PL.66323	A	#4 ACSR	7.36Y	122.6	0.00	2.39	0.18	0	1	0	100	0.00	0.0	7.357	0.072	1	0	1	1
PL.66324	PL.66323	ABC	#1/0 ACSR	7.35Y	122.6	0.04	2.43	27.09	12	580	144	97	0.17	0.0	7.371	0.086	0	0	0	213
PL.66348	PL.66324	ABC	#1/0 ACSR	7.35Y	122.5	0.08	2.51	27.09	12	580	144	97	0.32	0.1	7.537	0.165	8	2	2	213

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: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.66825	PL.66348	A	#1/0 ACSR	7.35Y	122.5	0.00	2.51	1.29	1	9	2	98	0.00	0.0	7.541	0.004	0	0	0	1
PD.10019	PL.66825	A	30T	7.35Y	122.5	0.00	2.51	1.29	0	9	2	98	0.00	0.0	7.541	0.004	0	0	0	1
PL.66826	PD.10019	A	#1/0 ACSR	7.35Y	122.5	0.00	2.51	1.29	1	9	2	98	0.00	0.0	7.595	0.054	9	2	1	1
PL.72925	PL.66348	ABC	#1/0 ACSR	7.35Y	122.4	0.04	2.56	26.28	11	562	139	97	0.16	0.0	7.626	0.089	0	0	1	210
PL.72926	PL.72925	ABC	#1/0 ACSR	7.34Y	122.4	0.04	2.59	26.28	11	562	139	97	0.14	0.0	7.705	0.079	6	2	1	209
PL.66712	PL.72926	ABC	#1/0 ACSR	7.34Y	122.4	0.04	2.63	25.98	11	556	137	97	0.16	0.0	7.796	0.092	2	1	1	208
PL.66713	PL.66712	ABC	#1/0 ACSR	7.34Y	122.3	0.02	2.66	25.88	11	553	137	97	0.09	0.0	7.846	0.049	2	0	1	207
PL.66349	PL.66713	ABC	#1/0 ACSR	7.34Y	122.3	0.08	2.73	25.81	11	552	136	97	0.30	0.1	8.015	0.169	0	0	0	206
PL.66458	PL.66349	ABC	#1/0 ACSR	7.33Y	122.2	0.04	2.78	25.81	11	552	136	97	0.17	0.0	8.113	0.098	7	2	2	206
PL.66459	PL.66458	ABC	#1/0 ACSR	7.33Y	122.2	0.02	2.80	25.47	11	544	134	97	0.07	0.0	8.152	0.039	1	0	1	204
PL.66457	PL.66459	ABC	#1/0 ACSR	7.33Y	122.2	0.05	2.85	25.41	11	543	134	97	0.20	0.0	8.267	0.114	2	0	1	203
PL.66847	PL.66457	A	6 A (CWC)	7.33Y	122.2	0.00	2.85	2.07	1	15	4	97	0.00	0.0	8.271	0.005	0	0	0	3
PD.10030	PL.66847	A	30T	7.33Y	122.2	0.00	2.85	2.07	0	15	4	97	0.00	0.0	8.271	0.005	0	0	0	3
PL.66848	PD.10030	A	6 A (CWC)	7.33Y	122.1	0.01	2.85	2.07	1	15	4	97	0.00	0.0	8.385	0.114	15	4	3	3
PL.66540	PL.66457	ABC	#1/0 ACSR	7.33Y	122.1	0.03	2.87	24.62	11	526	129	97	0.09	0.0	8.325	0.059	0	0	1	199
PL.66351	PL.66540	ABC	#1/0 ACSR	7.32Y	122.0	0.08	2.95	24.61	11	525	129	97	0.30	0.1	8.511	0.186	0	0	0	198
PL.66460	PL.66351	ABC	#1/0 ACSR	7.32Y	122.0	0.04	2.99	24.61	11	525	129	97	0.14	0.0	8.599	0.088	3	1	1	198
PL.66461	PL.66460	ABC	#1/0 ACSR	7.32Y	122.0	0.04	3.03	24.45	11	521	128	97	0.13	0.0	8.681	0.083	0	0	0	197
PL.66541	PL.66461	ABC	#1/0 ACSR	7.32Y	121.9	0.04	3.07	24.35	11	519	127	97	0.14	0.0	8.768	0.086	0	0	0	196
PL.66353	PL.66541	ABC	#1/0 ACSR	7.31Y	121.9	0.06	3.13	22.19	10	473	116	97	0.21	0.0	8.929	0.161	0	0	0	185
PL.66869	PL.66353	A	6 A (CWC)	7.31Y	121.9	0.00	3.13	0.90	1	6	2	95	0.00	0.0	8.934	0.005	0	0	0	4
PD.10042	PL.66869	A	30T	7.31Y	121.9	0.00	3.13	0.90	0	6	2	95	0.00	0.0	8.934	0.005	0	0	0	4
PL.66870	PD.10042	A	6 A (CWC)	7.31Y	121.9	0.00	3.13	0.90	1	6	2	95	0.00	0.0	8.953	0.019	0	0	1	4
PL.66487	PL.66870	A	6 A (CWC)	7.31Y	121.9	0.00	3.13	0.85	1	6	1	99	0.00	0.0	9.074	0.121	6	1	3	3
PL.66938	PL.66353	ABC	#1/0 ACSR	7.31Y	121.8	0.02	3.15	21.89	10	466	114	97	0.08	0.0	8.989	0.060	0	0	0	181
PD.10079	PL.66938	ABC	35L	7.31Y	121.8	0.00	3.15	21.89	63	466	114	97	0.00	0.0	8.989	0.060	0	0	0	181
PL.66939	PD.10079	ABC	#1/0 ACSR	7.31Y	121.8	0.06	3.21	21.89	10	466	114	97	0.19	0.0	9.136	0.147	0	0	0	181
PL.66627	PL.66939	ABC	#1/0 ACSR	7.30Y	121.7	0.05	3.26	21.89	10	466	114	97	0.17	0.0	9.267	0.131	0	0	0	181
PL.66628	PL.66627	ABC	#1/0 ACSR	7.30Y	121.7	0.07	3.33	21.89	10	466	114	97	0.24	0.1	9.452	0.185	0	0	0	181
PL.66629	PL.66628	ABC	#1/0 ACSR	7.30Y	121.6	0.07	3.40	21.89	10	466	114	97	0.22	0.0	9.626	0.174	0	0	0	181
PL.66630	PL.66629	ABC	#1/0 ACSR	7.29Y	121.5	0.07	3.47	21.89	10	465	114	97	0.23	0.1	9.809	0.183	0	0	0	181

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: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.66631	PL.66630	ABC	#1/0 ACSR	7.29Y	121.5	0.03	3.51	21.89	10	465	113	97	0.11	0.0	9.899	0.090	0	0	0	181
PL.66655	PL.66631	ABC	#1/0 ACSR	7.29Y	121.5	0.04	3.55	21.89	10	465	113	97	0.14	0.0	10.009	0.110	6	1	3	181
PL.66383	PL.66655	A	#1/0 ACSR	7.29Y	121.5	0.00	3.55	2.99	1	21	5	97	0.00	0.0	10.014	0.005	0	0	0	6
PD.10038	PL.66383	A	15T	7.29Y	121.5	0.00	3.55	2.99	0	21	5	97	0.00	0.0	10.014	0.005	0	0	0	6
PL.66382	PD.10038	A	#4 ACSR	7.29Y	121.4	0.00	3.55	2.01	2	14	3	98	0.00	0.0	10.081	0.067	14	3	5	5
PL.66553	PD.10038	A	#1/0 ACSR	7.29Y	121.5	0.00	3.55	0.98	0	7	2	96	0.00	0.0	10.044	0.030	7	2	1	1
PL.66384	PL.66655	ABC	#1/0 ACSR	7.29Y	121.4	0.02	3.57	16.69	7	355	86	97	0.05	0.0	10.083	0.073	7	2	2	141
PL.66399	PL.66384	ABC	#1/0 ACSR	7.28Y	121.4	0.02	3.59	16.34	7	347	85	97	0.04	0.0	10.141	0.058	0	0	0	139
PL.66916	PL.66399	C	6 A (CWC)	7.28Y	121.4	0.00	3.59	1.30	1	9	2	98	0.00	0.0	10.146	0.005	0	0	0	2
PD.10067	PL.66916	C	15T	7.28Y	121.4	0.00	3.59	1.30	0	9	2	98	0.00	0.0	10.146	0.005	0	0	0	2
PL.66917	PD.10067	C	6 A (CWC)	7.28Y	121.4	0.00	3.59	1.30	1	9	2	98	0.00	0.0	10.193	0.048	9	2	2	2
PL.66865	PL.66399	A	6 A (CWC)	7.28Y	121.4	0.00	3.59	0.84	1	6	1	99	0.00	0.0	10.145	0.005	0	0	0	2
PD.10040	PL.66865	A	15T	7.28Y	121.4	0.00	3.59	0.84	0	6	1	99	0.00	0.0	10.145	0.005	0	0	0	2
PL.66866	PD.10040	A	6 A (CWC)	7.28Y	121.4	0.00	3.59	0.84	1	6	1	99	0.00	0.0	10.192	0.046	6	1	2	2
PL.66560	PL.66399	ABC	#1/0 ACSR	7.28Y	121.4	0.03	3.62	15.63	7	332	81	97	0.07	0.0	10.256	0.115	8	2	2	135
PL.66861	PL.66560	ABC	#1/0 ACSR	7.28Y	121.4	0.00	3.62	14.88	6	316	77	97	0.00	0.0	10.260	0.004	0	0	0	131
PL.66862	PL.66861	ABC	#1/0 ACSR	7.28Y	121.4	0.02	3.64	14.88	6	316	77	97	0.05	0.0	10.351	0.091	6	1	2	131
PL.66478	PL.66862	ABC	#1/0 ACSR	7.28Y	121.3	0.01	3.66	14.43	6	306	75	97	0.03	0.0	10.408	0.057	7	2	2	127
PL.66479	PL.66478	ABC	#1/0 ACSR	7.28Y	121.3	0.02	3.68	14.10	6	299	73	97	0.05	0.0	10.500	0.092	4	1	2	125
PL.66863	PL.66479	C	#2 ACSR	7.28Y	121.3	0.00	3.68	0.46	0	3	1	95	0.00	0.0	10.504	0.005	0	0	0	3
PD.10037	PL.66863	C	15T	7.28Y	121.3	0.00	3.68	0.46	0	3	1	95	0.00	0.0	10.504	0.005	0	0	0	3
PL.66864	PD.10037	C	#2 ACSR	7.28Y	121.3	0.00	3.68	0.46	0	3	1	95	0.00	0.0	10.533	0.029	3	1	3	3
PL.66561	PL.66479	ABC	#1/0 ACSR	7.28Y	121.3	0.02	3.70	13.77	6	292	71	97	0.04	0.0	10.585	0.085	0	0	0	120
PL.66857	PL.66561	C	6 A (CWC)	7.28Y	121.3	0.00	3.70	2.26	2	16	4	97	0.00	0.0	10.590	0.005	0	0	0	7
PD.10035	PL.66857	C	15T	7.28Y	121.3	0.00	3.70	2.26	0	16	4	97	0.00	0.0	10.590	0.005	0	0	0	7
PL.66858	PD.10035	C	6 A (CWC)	7.28Y	121.3	0.00	3.70	2.26	2	16	4	97	0.00	0.0	10.598	0.008	6	1	2	7
PL.66486	PL.66858	C	6 A (CWC)	7.28Y	121.3	0.01	3.71	1.46	1	10	2	98	0.00	0.0	10.731	0.133	5	1	2	5
PL.66476	PL.66486	C	6 A (CWC)	7.28Y	121.3	0.00	3.71	0.80	1	6	1	99	0.00	0.0	10.774	0.042	4	1	2	3
PL.66477	PL.66476	C	6 A (CWC)	7.28Y	121.3	0.00	3.71	0.18	0	1	0	100	0.00	0.0	10.792	0.019	0	0	0	1
PL.66401	PL.66477	C	6 A (CWC)	7.28Y	121.3	0.00	3.71	0.18	0	1	0	100	0.00	0.0	10.832	0.040	1	0	1	1
PL.66473	PL.66561	ABC	#1/0 ACSR	7.28Y	121.3	0.02	3.72	13.01	6	276	67	97	0.04	0.0	10.676	0.091	18	4	3	113

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.66474	PL.66473	ABC	#1/0 ACSR	7.28Y	121.3	0.01	3.74	12.16	5	258	63	97	0.02	0.0	10.738	0.062	1	0	1	110
PL.66562	PL.66474	ABC	#1/0 ACSR	7.28Y	121.3	0.01	3.75	10.26	4	218	53	97	0.02	0.0	10.818	0.079	0	0	0	99
PL.66402	PL.66562	ABC	#1/0 ACSR	7.27Y	121.2	0.01	3.76	10.26	4	218	53	97	0.02	0.0	10.884	0.066	0	0	0	99
PL.66471	PL.66402	ABC	#1/0 ACSR	7.27Y	121.2	0.01	3.77	8.05	4	171	42	97	0.01	0.0	10.957	0.073	0	0	0	80
PL.66472	PL.66471	ABC	#1/0 ACSR	7.27Y	121.2	0.01	3.78	8.05	4	171	42	97	0.01	0.0	11.025	0.068	5	1	1	80
PL.66851	PL.66472	C	#4 ACSR	7.27Y	121.2	0.00	3.79	23.44	18	166	40	97	0.01	0.0	11.029	0.005	0	0	0	79
PD.10032	PL.66851	C	15T	7.27Y	121.2	0.00	3.79	23.44	0	166	40	97	0.00	0.0	11.029	0.005	0	0	0	79
PL.66852	PD.10032	C	#4 ACSR	7.27Y	121.2	0.04	3.82	23.44	18	166	40	97	0.05	0.0	11.064	0.035	4	1	1	79
PL.66470	PL.66852	C	#4 ACSR	7.27Y	121.1	0.05	3.87	22.94	18	162	40	97	0.06	0.0	11.114	0.049	7	2	3	78
PL.66799	PL.66470	C	6 A (CWC)	7.26Y	121.0	0.10	3.97	22.02	16	155	38	97	0.12	0.1	11.217	0.103	4	1	2	75
PL.66800	PL.66799	C	6 A (CWC)	7.26Y	121.0	0.07	4.04	21.40	15	151	37	97	0.08	0.1	11.291	0.074	0	0	0	73
PL.66407	PL.66800	C	#1/0 ACSR	7.26Y	121.0	0.00	4.05	1.54	1	11	3	96	0.00	0.0	11.358	0.067	4	1	1	3
PL.66408	PL.66407	C	#1/0 ACSR	7.26Y	121.0	0.00	4.05	0.92	0	7	2	96	0.00	0.0	11.409	0.051	7	2	1	2
PL.72927	PL.66408	C	#1/0 ACSR	7.26Y	121.0	0.00	4.05	0.00	0	0	0	100	0.00	0.0	11.434	0.025	0	0	0	1
PL.72928	PL.72927	C	#1/0 ACSR	7.26Y	121.0	0.00	4.05	0.00	0	0	0	100	0.00	0.0	11.506	0.072	0	0	1	1
PL.66563	PL.66800	C	6 A (CWC)	7.25Y	120.9	0.10	4.14	19.85	14	140	34	97	0.10	0.1	11.399	0.108	0	0	0	70
PL.66409	PL.66563	C	#1/0 ACSR	7.25Y	120.9	0.00	4.14	1.04	0	7	2	96	0.00	0.0	11.412	0.013	7	2	1	1
PL.66410	PL.66563	C	#4 ACSR	7.25Y	120.8	0.07	4.21	18.81	14	133	32	97	0.07	0.1	11.482	0.083	1	0	1	69
PL.66411	PL.66410	C	6 A (CWC)	7.24Y	120.7	0.08	4.29	18.62	13	131	32	97	0.08	0.1	11.571	0.089	0	0	0	68
PL.66412	PL.66411	C	#4 ACSR	7.24Y	120.7	0.00	4.29	0.69	1	5	1	98	0.00	0.0	11.588	0.017	5	1	1	1
PL.66766	PL.66411	C	6 A (CWC)	7.24Y	120.6	0.07	4.36	17.93	13	126	31	97	0.07	0.1	11.658	0.088	5	1	6	67
PL.66767	PL.66766	C	6 A (CWC)	7.23Y	120.5	0.11	4.46	17.20	12	121	29	97	0.10	0.1	11.794	0.136	0	0	0	61
PL.66635	PL.66767	C	6 A (CWC)	7.23Y	120.5	0.07	4.53	17.20	12	121	29	97	0.06	0.0	11.878	0.084	0	0	1	61
PL.66564	PL.66635	C	6 A (CWC)	7.22Y	120.4	0.08	4.60	16.92	12	119	29	97	0.07	0.1	11.977	0.100	0	0	0	59
PL.66415	PL.66564	C	6 A (CWC)	7.22Y	120.3	0.08	4.68	16.91	12	119	29	97	0.07	0.1	12.076	0.099	0	0	0	58
PL.66416	PL.66415	C	6 A (CWC)	7.21Y	120.2	0.16	4.84	16.91	12	119	29	97	0.15	0.1	12.290	0.214	0	0	0	58
PL.66760	PL.66416	C	#4 ACSR	7.21Y	120.2	0.01	4.85	4.37	3	31	7	98	0.00	0.0	12.329	0.038	1	0	1	18
PL.66761	PL.66760	C	#4 ACSR	7.21Y	120.1	0.00	4.85	4.26	3	30	7	97	0.00	0.0	12.353	0.024	0	0	0	17
PL.66762	PL.66761	C	#4 ACSR	7.21Y	120.1	0.00	4.86	1.26	1	9	2	98	0.00	0.0	12.436	0.082	0	0	1	3
PL.66763	PL.66762	C	#4 ACSR	7.21Y	120.1	0.00	4.86	1.21	1	8	2	97	0.00	0.0	12.599	0.163	8	2	2	2
PL.66422	PL.66763	C	#4 ACSR	7.21Y	120.1	0.00	4.86	0.00	0	0	0	100	0.00	0.0	12.649	0.050	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: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.66420	PL.66761	C	#4 ACSR	7.21Y	120.1	0.01	4.86	3.01	2	21	5	97	0.00	0.0	12.433	0.080	2	0	1	14
PL.66565	PL.66420	C	#4 ACSR	7.21Y	120.1	0.01	4.87	1.83	1	13	3	97	0.00	0.0	12.501	0.068	1	0	6	10
PL.66419	PL.66565	C	#4 ACSR	7.21Y	120.1	0.00	4.87	1.27	1	9	2	98	0.00	0.0	12.530	0.030	9	2	1	1
PL.66418	PL.66565	C	#4 ACSR	7.21Y	120.1	0.00	4.87	0.35	0	2	1	89	0.00	0.0	12.542	0.041	0	0	2	3
PL.66417	PL.66418	C	#1/0 ACSR	7.21Y	120.1	0.00	4.87	0.35	0	2	1	89	0.00	0.0	12.586	0.044	2	1	1	1
PL.66658	PL.66420	C	#4 ACSR	7.21Y	120.1	0.00	4.87	0.95	1	7	2	96	0.00	0.0	12.468	0.035	2	0	1	3
PL.66764	PL.66658	C	#4 ACSR	7.21Y	120.1	0.00	4.87	0.14	0	1	0	100	0.00	0.0	12.570	0.103	0	0	0	1
PL.66765	PL.66764	C	#4 ACSR	7.21Y	120.1	0.00	4.87	0.14	0	1	0	100	0.00	0.0	12.610	0.040	1	0	1	1
PL.66421	PL.66658	C	#4 ACSR	7.21Y	120.1	0.00	4.87	0.57	0	4	1	97	0.00	0.0	12.484	0.017	4	1	1	1
PL.66423	PL.66416	C	6 A (CWC)	7.20Y	120.1	0.09	4.93	12.54	9	88	21	97	0.06	0.1	12.449	0.158	0	0	0	40
PL.66758	PL.66423	C	6 A (CWC)	7.20Y	120.0	0.10	5.03	12.54	9	88	21	97	0.07	0.1	12.628	0.180	4	1	2	40
PL.66759	PL.66758	C	6 A (CWC)	7.19Y	119.9	0.06	5.09	11.94	9	84	20	97	0.04	0.0	12.738	0.110	3	1	1	38
PL.66424	PL.66759	C	#4 ACSR	7.19Y	119.9	0.00	5.09	0.48	0	3	1	95	0.00	0.0	12.805	0.067	3	1	1	1
PL.66656	PL.66759	C	6 A (CWC)	7.19Y	119.9	0.06	5.15	11.10	8	78	19	97	0.03	0.0	12.850	0.112	0	0	0	36
PL.66657	PL.66656	C	6 A (CWC)	7.19Y	119.8	0.05	5.19	11.10	8	78	19	97	0.03	0.0	12.940	0.090	0	0	0	36
PL.66636	PL.66657	C	6 A (CWC)	7.18Y	119.7	0.07	5.26	11.10	8	78	19	97	0.04	0.0	13.074	0.133	3	1	1	36
PL.66426	PL.66636	C	6 A (CWC)	7.18Y	119.7	0.06	5.32	10.74	8	75	18	97	0.03	0.0	13.191	0.117	0	0	0	35
PL.66801	PL.66426	C	6 A (CWC)	7.18Y	119.6	0.04	5.36	10.51	8	73	18	97	0.02	0.0	13.277	0.087	2	1	3	34
PL.66802	PL.66801	C	6 A (CWC)	7.18Y	119.6	0.01	5.37	10.17	7	71	17	97	0.01	0.0	13.301	0.024	6	1	2	31
PL.66429	PL.66802	C	6 A (CWC)	7.18Y	119.6	0.03	5.39	9.31	7	65	16	97	0.01	0.0	13.365	0.063	1	0	1	29
PL.66430	PL.66429	C	#4 ACSR	7.18Y	119.6	0.00	5.39	1.84	1	13	3	97	0.00	0.0	13.400	0.036	8	2	1	2
PL.66431	PL.66430	C	#1/0 ACSR	7.18Y	119.6	0.00	5.40	0.75	0	5	1	98	0.00	0.0	13.479	0.079	5	1	1	1
PL.66566	PL.66429	C	6 A (CWC)	7.18Y	119.6	0.02	5.41	7.26	5	51	12	97	0.01	0.0	13.431	0.066	10	2	3	26
PL.66698	PL.66566	C	6 A (CWC)	7.17Y	119.6	0.02	5.43	5.82	4	41	10	97	0.00	0.0	13.500	0.069	6	1	2	23
PL.66699	PL.66698	C	6 A (CWC)	7.17Y	119.6	0.02	5.45	4.95	4	35	8	97	0.01	0.0	13.586	0.086	0	0	1	21
PL.66697	PL.66699	C	6 A (CWC)	7.17Y	119.5	0.02	5.46	4.95	4	35	8	97	0.00	0.0	13.653	0.067	0	0	0	20
PL.66432	PL.66697	C	6 A (CWC)	7.17Y	119.5	0.00	5.46	0.38	0	3	1	95	0.00	0.0	13.662	0.010	1	0	1	3
PL.66434	PL.66432	C	6 A (CWC)	7.17Y	119.5	0.00	5.46	0.25	0	2	0	100	0.00	0.0	13.715	0.053	2	0	2	2
PL.66567	PL.66697	C	6 A (CWC)	7.17Y	119.5	0.00	5.47	1.83	1	13	3	97	0.00	0.0	13.695	0.042	8	2	6	9
PL.66695	PL.66567	C	#4 ACSR	7.17Y	119.5	0.00	5.47	0.62	0	4	1	97	0.00	0.0	13.762	0.067	1	0	1	3
PL.66696	PL.66695	C	#4 ACSR	7.17Y	119.5	0.00	5.47	0.44	0	3	1	95	0.00	0.0	13.799	0.036	2	0	1	2

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.66435	PL.66696	C	#1/0 ACSR	7.17Y	119.5	0.00	5.47	0.15	0	1	0	100	0.00	0.0	13.848	0.049	1	0	1	1
PL.66433	PL.66697	C	6 A (CWC)	7.17Y	119.5	0.02	5.48	2.74	2	19	5	97	0.00	0.0	13.810	0.157	0	0	0	8
PL.66436	PL.66433	C	6 A (CWC)	7.17Y	119.5	0.01	5.49	2.74	2	19	5	97	0.00	0.0	13.898	0.088	0	0	0	8
PL.66437	PL.66436	C	#1/0 ACSR	7.17Y	119.5	0.00	5.49	0.28	0	2	0	100	0.00	0.0	13.923	0.024	2	0	1	1
PL.66693	PL.66436	C	#1/0 ACSR	7.17Y	119.5	0.00	5.50	2.46	1	17	4	97	0.00	0.0	13.962	0.063	0	0	1	7
PL.66694	PL.66693	C	#1/0 ACSR	7.17Y	119.5	0.00	5.50	2.45	1	17	4	97	0.00	0.0	14.004	0.042	6	1	1	6
PL.66692	PL.66694	C	#1/0 ACSR	7.17Y	119.5	0.00	5.50	1.65	1	11	3	96	0.00	0.0	14.058	0.054	2	1	2	5
PL.66690	PL.66692	C	6 A (CWC)	7.17Y	119.5	0.00	5.50	1.30	1	9	2	98	0.00	0.0	14.108	0.050	5	1	2	3
PL.66691	PL.66690	C	6 A (CWC)	7.17Y	119.5	0.00	5.50	0.52	0	4	1	97	0.00	0.0	14.128	0.020	4	1	1	1
PL.66427	PL.66426	C	6 A (CWC)	7.18Y	119.7	0.00	5.32	0.00	0	0	0	100	0.00	0.0	13.257	0.067	0	0	0	0
PL.66428	PL.66426	C	6 A (CWC)	7.18Y	119.7	0.00	5.32	0.22	0	2	0	100	0.00	0.0	13.262	0.071	2	0	1	1
PL.66414	PL.66564	C	#2 ACSR	7.22Y	120.4	0.00	4.60	0.01	0	0	0	100	0.00	0.0	12.018	0.041	0	0	1	1
PL.66413	PL.66635	C	#2 ACSR	7.23Y	120.5	0.00	4.53	0.24	0	2	0	100	0.00	0.0	11.909	0.031	2	0	1	1
PL.66853	PL.66402	A	6 A (CWC)	7.27Y	121.2	0.00	3.76	6.64	5	47	11	97	0.00	0.0	10.888	0.005	0	0	0	19
PD.10033	PL.66853	A	15T	7.27Y	121.2	0.00	3.76	6.64	0	47	11	97	0.00	0.0	10.888	0.005	0	0	0	19
PL.66854	PD.10033	A	6 A (CWC)	7.27Y	121.2	0.01	3.77	6.64	5	47	11	97	0.00	0.0	10.923	0.034	0	0	0	19
PL.66403	PL.66854	A	#2 ACSR	7.27Y	121.2	0.00	3.77	0.26	0	2	0	100	0.00	0.0	10.950	0.028	2	0	2	2
PL.66467	PL.66854	A	6 A (CWC)	7.27Y	121.2	0.01	3.78	6.39	5	45	11	97	0.00	0.0	10.962	0.040	1	0	1	17
PL.66468	PL.66467	A	6 A (CWC)	7.27Y	121.2	0.01	3.79	6.30	5	45	11	97	0.00	0.0	10.998	0.035	6	1	1	16
PL.66469	PL.66468	A	6 A (CWC)	7.27Y	121.2	0.02	3.82	5.52	4	39	9	97	0.01	0.0	11.110	0.112	12	3	3	15
PL.66455	PL.66469	A	6 A (CWC)	7.27Y	121.2	0.01	3.83	3.06	2	22	5	98	0.00	0.0	11.183	0.073	6	1	2	10
PL.66456	PL.66455	A	6 A (CWC)	7.27Y	121.2	0.01	3.83	2.27	2	16	4	97	0.00	0.0	11.249	0.066	0	0	0	8
PL.66770	PL.66456	A	6 A (CWC)	7.27Y	121.2	0.00	3.84	1.68	1	12	3	97	0.00	0.0	11.303	0.054	11	3	3	6
PL.66771	PL.66770	A	6 A (CWC)	7.27Y	121.2	0.00	3.84	0.10	0	1	0	100	0.00	0.0	11.335	0.032	0	0	1	3
PL.66406	PL.66771	A	#4 ACSR	7.27Y	121.2	0.00	3.84	0.10	0	1	0	100	0.00	0.0	11.428	0.093	0	0	0	2
PL.66768	PL.66406	A	#4 ACSR	7.27Y	121.2	0.00	3.84	0.10	0	1	0	100	0.00	0.0	11.541	0.112	1	0	2	2
PL.66769	PL.66768	A	#4 ACSR	7.27Y	121.2	0.00	3.84	0.00	0	0	0	100	0.00	0.0	11.605	0.064	0	0	0	0
PL.66405	PL.66456	A	#4 ACSR	7.27Y	121.2	0.00	3.83	0.59	0	4	1	97	0.00	0.0	11.319	0.070	4	1	2	2
PL.66404	PL.66469	A	6 A (CWC)	7.27Y	121.2	0.00	3.82	0.82	1	6	1	99	0.00	0.0	11.236	0.125	6	1	2	2
PL.66921	PL.66402	C	6 A (CWC)	7.27Y	121.2	0.00	3.76	0.00	0	0	0	100	0.00	0.0	10.888	0.005	0	0	0	0
PD.10069	PL.66921	C	15T	7.27Y	121.2	0.00	3.76	0.00	0	0	0	100	0.00	0.0	10.888	0.005	0	0	0	0

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.66920	PD.10069	C	6 A (CWC)	7.27Y	121.2	0.00	3.76	0.00	0	0	0	100	0.00	0.0	10.895	0.006	0	0	0	0
PL.66855	PL.66474	C	#1/0 ACSR	7.28Y	121.3	0.00	3.74	2.77	1	20	5	97	0.00	0.0	10.743	0.005	0	0	0	7
PD.10034	PL.66855	C	15T	7.28Y	121.3	0.00	3.74	2.77	0	20	5	97	0.00	0.0	10.743	0.005	0	0	0	7
PL.66856	PD.10034	C	#1/0 ACSR	7.28Y	121.3	0.00	3.74	2.77	1	20	5	97	0.00	0.0	10.767	0.024	11	3	4	7
PL.66475	PL.66856	C	#1/0 ACSR	7.28Y	121.3	0.00	3.74	1.20	1	8	2	97	0.00	0.0	10.829	0.062	8	2	3	3
PL.66918	PL.66474	A	#1/0 ACSR	7.28Y	121.3	0.00	3.74	2.73	1	19	5	97	0.00	0.0	10.743	0.005	0	0	0	3
PD.10068	PL.66918	A	15T	7.28Y	121.3	0.00	3.74	2.73	0	19	5	97	0.00	0.0	10.743	0.005	0	0	0	3
PL.66919	PD.10068	A	#1/0 ACSR	7.28Y	121.3	0.00	3.74	2.73	1	19	5	97	0.00	0.0	10.768	0.025	19	5	3	3
PL.66400	PL.66862	A	6 A (CWC)	7.28Y	121.4	0.00	3.64	0.48	0	3	1	95	0.00	0.0	10.390	0.040	0	0	0	2
PL.66867	PL.66400	A	6 A (CWC)	7.28Y	121.4	0.00	3.64	0.48	0	3	1	95	0.00	0.0	10.395	0.005	0	0	0	2
PD.10041	PL.66867	A	15T	7.28Y	121.4	0.00	3.64	0.48	0	3	1	95	0.00	0.0	10.395	0.005	0	0	0	2
PL.66868	PD.10041	A	6 A (CWC)	7.28Y	121.4	0.00	3.65	0.48	0	3	1	95	0.00	0.0	10.561	0.166	0	0	0	2
PL.66482	PL.66868	A	6 A (CWC)	7.28Y	121.4	0.00	3.65	0.48	0	3	1	95	0.00	0.0	10.602	0.041	0	0	1	2
PL.66483	PL.66482	A	6 A (CWC)	7.28Y	121.3	0.00	3.65	0.47	0	3	1	95	0.00	0.0	10.709	0.108	3	1	1	1
PL.66859	PL.66560	A	6 A (CWC)	7.28Y	121.4	0.00	3.62	1.10	1	8	2	97	0.00	0.0	10.260	0.005	0	0	0	2
PD.10036	PL.66859	A	15T	7.28Y	121.4	0.00	3.62	1.10	0	8	2	97	0.00	0.0	10.260	0.005	0	0	0	2
PL.66860	PD.10036	A	6 A (CWC)	7.28Y	121.4	0.00	3.62	1.10	1	8	2	97	0.00	0.0	10.321	0.061	8	2	2	2
PL.66392	PL.66655	B	#4 ACSR	7.29Y	121.4	0.03	3.58	11.74	9	83	20	97	0.02	0.0	10.060	0.051	0	0	0	31
PD.10039	PL.66392	B	15T	7.29Y	121.4	0.00	3.58	11.74	0	83	20	97	0.00	0.0	10.060	0.051	0	0	0	31
PL.66480	PD.10039	B	#4 ACSR	7.28Y	121.4	0.04	3.61	10.94	8	77	19	97	0.02	0.0	10.137	0.077	0	0	1	30
PL.66481	PL.66480	B	#4 ACSR	7.28Y	121.3	0.04	3.66	10.94	8	77	19	97	0.03	0.0	10.230	0.093	0	0	0	29
PL.66484	PL.66481	B	#4 ACSR	7.28Y	121.3	0.07	3.73	10.94	8	77	19	97	0.04	0.1	10.379	0.150	0	0	1	29
PL.66485	PL.66484	B	#4 ACSR	7.27Y	121.2	0.05	3.78	10.94	8	77	19	97	0.03	0.0	10.476	0.096	0	0	0	28
PL.66386	PL.66485	B	#1/0 ACSR	7.27Y	121.2	0.00	3.78	1.30	1	9	2	98	0.00	0.0	10.497	0.021	9	2	2	2
PL.66554	PL.66485	B	#4 ACSR	7.27Y	121.2	0.02	3.79	9.64	7	68	16	97	0.01	0.0	10.515	0.039	9	2	1	26
PL.66555	PL.66554	B	#4 ACSR	7.27Y	121.2	0.05	3.84	6.58	5	47	11	97	0.02	0.0	10.687	0.172	6	1	2	20
PL.66556	PL.66555	B	#4 ACSR	7.27Y	121.1	0.03	3.87	5.68	4	40	10	97	0.01	0.0	10.805	0.118	0	0	0	17
PL.66557	PL.66556	B	#4 ACSR	7.27Y	121.1	0.03	3.89	5.67	4	40	10	97	0.01	0.0	10.910	0.105	0	0	0	16
PL.66390	PL.66557	B	#1/0 ACSR	7.27Y	121.1	0.00	3.89	0.45	0	3	1	95	0.00	0.0	10.954	0.045	3	1	1	1
PL.66391	PL.66557	B	#4 ACSR	7.27Y	121.1	0.00	3.90	1.11	1	8	2	97	0.00	0.0	10.953	0.044	8	2	2	2
PL.66558	PL.66557	B	#4 ACSR	7.27Y	121.1	0.02	3.91	4.11	3	29	7	97	0.00	0.0	11.020	0.111	3	1	1	13

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

Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.66775	PL.66558	B	#4 ACSR	7.26Y	121.1	0.01	3.93	3.71	3	26	6	97	0.00	0.0	11.106	0.086	0	0	0	11
PL.66776	PL.66775	B	#4 ACSR	7.26Y	121.1	0.01	3.94	3.71	3	26	6	97	0.00	0.0	11.182	0.076	0	0	0	11
PL.66394	PL.66776	B	#4 ACSR	7.26Y	121.1	0.00	3.94	0.00	0	0	0	100	0.00	0.0	11.225	0.043	0	0	0	0
PL.66395	PL.66776	B	#4 ACSR	7.26Y	121.1	0.01	3.95	3.71	3	26	6	97	0.00	0.0	11.230	0.048	0	0	0	11
PL.66559	PL.66395	B	#4 ACSR	7.26Y	121.0	0.01	3.96	3.39	3	24	6	97	0.00	0.0	11.305	0.075	7	2	2	10
PL.66871	PL.66559	B	#1/0 ACSR	7.26Y	121.0	0.00	3.96	0.14	0	1	0	100	0.00	0.0	11.309	0.005	0	0	0	1
PD.10043	PL.66871	B	15T	7.26Y	121.0	0.00	3.96	0.14	0	1	0	100	0.00	0.0	11.309	0.005	0	0	0	1
PL.66872	PD.10043	B	#1/0 ACSR	7.26Y	121.0	0.00	3.96	0.14	0	1	0	100	0.00	0.0	11.411	0.102	1	0	1	1
PL.66777	PL.66559	B	#4 ACSR	7.26Y	121.0	0.01	3.96	2.26	2	16	4	97	0.00	0.0	11.378	0.073	0	0	0	7
PL.66778	PL.66777	B	#4 ACSR	7.26Y	121.0	0.01	3.97	2.26	2	16	4	97	0.00	0.0	11.515	0.137	11	3	2	7
PL.66397	PL.66778	B	#4 ACSR	7.26Y	121.0	0.00	3.98	0.65	0	5	1	98	0.00	0.0	11.684	0.169	0	0	0	5
PL.66632	PL.66397	B	#4 ACSR	7.26Y	121.0	0.00	3.98	0.65	0	5	1	98	0.00	0.0	11.794	0.110	0	0	2	5
PL.66874	PL.66632	B	2 AL URD	7.26Y	121.0	0.00	3.98	0.64	0	5	1	98	0.00	0.0	11.799	0.005	0	0	0	3
PD.10045	PL.66874	B	15T	7.26Y	121.0	0.00	3.98	0.64	0	5	1	98	0.00	0.0	11.799	0.005	0	0	0	3
PL.66875	PD.10045	B	2 AL URD	7.26Y	121.0	0.00	3.99	0.64	0	5	1	98	0.00	0.0	11.948	0.149	0	0	0	3
PD.10044	PL.66875	B	15T	7.26Y	121.0	0.00	3.99	0.64	0	5	1	98	0.00	0.0	11.948	0.149	0	0	0	3
PL.66873	PD.10044	B	2 AL URD	7.26Y	121.0	0.00	3.99	0.64	0	5	1	98	0.00	0.0	11.953	0.005	4	1	2	3
PL.66398	PL.66873	B	#4 ACSR	7.26Y	121.0	0.00	3.99	0.02	0	0	0	100	0.00	0.0	12.079	0.126	0	0	0	1
PL.66633	PL.66398	B	#4 ACSR	7.26Y	121.0	0.00	3.99	0.02	0	0	0	100	0.00	0.0	12.171	0.092	0	0	0	1
PL.66654	PL.66633	B	#4 ACSR	7.26Y	121.0	0.00	3.99	0.02	0	0	0	100	0.00	0.0	12.272	0.102	0	0	0	1
PL.66634	PL.66654	B	#4 ACSR	7.26Y	121.0	0.00	3.99	0.02	0	0	0	100	0.00	0.0	12.434	0.162	0	0	1	1
PL.66396	PL.66395	B	#4 ACSR	7.26Y	121.1	0.00	3.95	0.32	0	2	1	89	0.00	0.0	11.255	0.026	2	1	1	1
PL.66774	PL.66558	B	#4 ACSR	7.27Y	121.1	0.00	3.91	0.00	0	0	0	100	0.00	0.0	11.081	0.060	0	0	1	1
PL.66773	PL.66774	B	#4 ACSR	7.27Y	121.1	0.00	3.91	0.00	0	0	0	100	0.00	0.0	11.114	0.034	0	0	0	0
PL.66393	PL.66773	B	#1/0 ACSR	7.27Y	121.1	0.00	3.91	0.00	0	0	0	100	0.00	0.0	11.159	0.045	0	0	0	0
PL.66389	PL.66556	B	#4 ACSR	7.27Y	121.1	0.00	3.87	0.01	0	0	0	100	0.00	0.0	10.854	0.049	0	0	0	1
PL.66914	PL.66389	B	#1/0 ACSR	7.27Y	121.1	0.00	3.87	0.01	0	0	0	100	0.00	0.0	10.858	0.005	0	0	0	1
PD.10066	PL.66914	B	15T	7.27Y	121.1	0.00	3.87	0.01	0	0	0	100	0.00	0.0	10.858	0.005	0	0	0	1
PL.66915	PD.10066	B	#1/0 ACSR	7.27Y	121.1	0.00	3.87	0.01	0	0	0	100	0.00	0.0	10.978	0.120	0	0	1	1
PL.66388	PL.66555	B	#4 ACSR	7.27Y	121.2	0.00	3.84	0.04	0	0	0	100	0.00	0.0	10.732	0.045	0	0	1	1
PL.66387	PL.66554	B	#4 ACSR	7.27Y	121.2	0.00	3.80	1.79	1	13	3	97	0.00	0.0	10.590	0.075	7	2	1	5

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.66492	PL.66387	B	#1/0 ACSR	7.27Y	121.2	0.00	3.80	0.75	0	5	1	98	0.00	0.0	10.642	0.052	5	1	3	4
PL.66772	PL.66492	B	#1/0 ACSR	7.27Y	121.2	0.00	3.80	0.07	0	1	0	100	0.00	0.0	10.699	0.057	1	0	1	1
PL.66385	PD.10039	B	#2 ACSR	7.29Y	121.4	0.00	3.58	0.80	0	6	1	99	0.00	0.0	10.118	0.057	6	1	1	1
PL.66849	PL.66541	C	#4 ACSR	7.32Y	121.9	0.00	3.07	6.48	5	46	11	97	0.00	0.0	8.773	0.005	0	0	0	11
PD.10031	PL.66849	C	30T	7.32Y	121.9	0.00	3.07	6.48	0	46	11	97	0.00	0.0	8.773	0.005	0	0	0	11
PL.66850	PD.10031	C	#4 ACSR	7.31Y	121.9	0.02	3.09	6.48	5	46	11	97	0.01	0.0	8.836	0.063	0	0	0	11
PL.66354	PL.66850	C	#4 ACSR	7.31Y	121.9	0.03	3.12	6.48	5	46	11	97	0.01	0.0	8.954	0.118	0	0	0	11
PL.66462	PL.66354	C	#4 ACSR	7.31Y	121.9	0.03	3.15	6.48	5	46	11	97	0.01	0.0	9.053	0.100	1	0	1	11
PL.66463	PL.66462	C	#4 ACSR	7.31Y	121.8	0.01	3.15	6.30	5	45	11	97	0.00	0.0	9.076	0.023	2	1	1	10
PL.66465	PL.66463	C	#4 ACSR	7.31Y	121.8	0.03	3.19	5.96	5	42	10	97	0.01	0.0	9.215	0.139	8	2	2	9
PL.66466	PL.66465	C	#4 ACSR	7.31Y	121.8	0.01	3.20	4.80	4	34	8	97	0.00	0.0	9.260	0.045	2	0	1	7
PL.66464	PL.66466	C	#4 ACSR	7.31Y	121.8	0.02	3.22	4.56	4	32	8	97	0.01	0.0	9.377	0.117	0	0	0	6
PL.66488	PL.66464	C	#2 ACSR	7.31Y	121.8	0.00	3.22	0.04	0	0	0	100	0.00	0.0	9.421	0.044	0	0	0	1
PL.66489	PL.66488	C	#2 ACSR	7.31Y	121.8	0.00	3.22	0.04	0	0	0	100	0.00	0.0	9.472	0.051	0	0	1	1
PL.66551	PL.66464	C	#4 ACSR	7.31Y	121.8	0.02	3.24	4.52	3	32	8	97	0.00	0.0	9.491	0.115	7	2	1	5
PL.66355	PL.66551	C	#1/0 ACSR	7.31Y	121.8	0.00	3.24	1.43	1	10	2	98	0.00	0.0	9.625	0.133	0	0	0	1
PL.66625	PL.66355	C	#1/0 ACSR	7.31Y	121.8	0.00	3.25	1.43	1	10	2	98	0.00	0.0	9.787	0.163	10	2	1	1
PL.66490	PL.66551	C	#4 ACSR	7.31Y	121.8	0.01	3.25	2.07	2	15	4	97	0.00	0.0	9.574	0.083	0	0	0	3
PL.66491	PL.66490	C	#4 ACSR	7.30Y	121.7	0.00	3.25	2.07	2	15	4	97	0.00	0.0	9.612	0.038	0	0	0	3
PL.66356	PL.66491	C	#1/0 ACSR	7.30Y	121.7	0.01	3.26	2.07	1	15	4	97	0.00	0.0	9.734	0.122	0	0	0	3
PL.66626	PL.66356	C	#1/0 ACSR	7.30Y	121.7	0.00	3.26	2.07	1	15	4	97	0.00	0.0	9.805	0.072	0	0	0	3
PL.66357	PL.66626	C	#4 ACSR	7.30Y	121.7	0.00	3.26	0.98	1	7	2	96	0.00	0.0	9.943	0.138	7	2	2	2
PL.66552	PL.66626	C	#1/0 ACSR	7.30Y	121.7	0.00	3.26	1.08	0	8	2	97	0.00	0.0	9.984	0.179	0	0	0	1
PL.66359	PL.66552	C	#1/0 ACSR	7.30Y	121.7	0.00	3.27	1.08	0	8	2	97	0.00	0.0	10.123	0.139	8	2	1	1
PL.66358	PL.66552	C	#4 ACSR	7.30Y	121.7	0.00	3.26	0.00	0	0	0	100	0.00	0.0	10.069	0.085	0	0	0	0
PL.66352	PL.66461	A	#1/0 ACSR	7.32Y	122.0	0.00	3.03	0.28	0	2	0	100	0.00	0.0	8.721	0.040	2	0	1	1
PL.66827	PL.72926	C	6 A (CWC)	7.34Y	122.4	0.00	2.59	0.00	0	0	0	100	0.00	0.0	7.709	0.005	0	0	0	0
PD.10020	PL.66827	C	30T	7.34Y	122.4	0.00	2.59	0.00	0	0	0	100	0.00	0.0	7.709	0.005	0	0	0	0
PL.66828	PD.10020	C	6 A (CWC)	7.34Y	122.4	0.00	2.59	0.00	0	0	0	100	0.00	0.0	7.773	0.064	0	0	0	0
PL.66823	PL.66321	C	#1/0 ACSR	7.36Y	122.7	0.00	2.30	0.01	0	0	0	100	0.00	0.0	7.131	0.005	0	0	0	1
PD.10018	PL.66823	C	30T	7.36Y	122.7	0.00	2.30	0.01	0	0	0	100	0.00	0.0	7.131	0.005	0	0	0	1

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.66824	PD.10018	C	#1/0 ACSR	7.36Y	122.7	0.00	2.30	0.01	0	0	0	100	0.00	0.0	7.168	0.036	0	0	1	1
PL.66831	PL.66640	C	#4 ACSR	7.45Y	124.2	0.00	0.80	2.84	2	21	5	97	0.00	0.0	4.822	0.005	0	0	0	3
PD.10022	PL.66831	C	65T	7.45Y	124.2	0.00	0.80	2.84	0	21	5	97	0.00	0.0	4.822	0.005	0	0	0	3
PL.66832	PD.10022	C	#4 ACSR	7.45Y	124.2	0.02	0.81	2.84	2	21	5	97	0.00	0.0	4.962	0.140	0	0	0	3
PL.66578	PL.66832	C	#4 ACSR	7.45Y	124.2	0.01	0.83	2.84	2	21	5	97	0.00	0.0	5.080	0.118	0	0	0	3
PL.66579	PL.66578	C	#4 ACSR	7.45Y	124.2	0.01	0.84	2.84	2	21	5	97	0.00	0.0	5.181	0.101	0	0	0	3
PL.66347	PL.66579	C	#4 ACSR	7.45Y	124.1	0.02	0.86	2.84	2	21	5	97	0.00	0.0	5.308	0.127	0	0	0	3
PL.66580	PL.66347	C	#4 ACSR	7.45Y	124.1	0.02	0.88	2.84	2	21	5	97	0.00	0.0	5.496	0.188	0	0	0	3
PL.66581	PL.66580	C	#4 ACSR	7.45Y	124.1	0.01	0.89	2.84	2	21	5	97	0.00	0.0	5.592	0.097	0	0	0	3
PL.66663	PL.66581	C	#4 ACSR	7.45Y	124.1	0.01	0.90	2.84	2	21	5	97	0.00	0.0	5.665	0.073	0	0	0	3
PL.66779	PL.66663	C	#4 ACSR	7.45Y	124.1	0.00	0.90	1.49	1	11	3	96	0.00	0.0	5.710	0.045	3	1	1	2
PL.66780	PL.66779	C	#4 ACSR	7.45Y	124.1	0.00	0.91	1.13	1	8	2	97	0.00	0.0	5.756	0.046	8	2	1	1
PL.66664	PL.66663	C	#4 ACSR	7.45Y	124.1	0.00	0.90	1.35	1	10	2	98	0.00	0.0	5.708	0.043	10	2	1	1
PL.66910	PL.66311	A	#4 ACSR	7.36Y	122.7	0.00	2.35	1.00	1	7	2	96	0.00	0.0	3.708	0.004	0	0	0	3
PD.10064	PL.66910	A	65T	7.36Y	122.7	0.00	2.35	1.00	0	7	2	96	0.00	0.0	3.708	0.004	0	0	0	3
PL.66911	PD.10064	A	#4 ACSR	7.36Y	122.6	0.00	2.35	1.00	1	7	2	96	0.00	0.0	3.816	0.108	0	0	0	3
PL.66312	PL.66911	A	#4 ACSR	7.36Y	122.6	0.00	2.35	0.78	1	6	1	99	0.00	0.0	3.838	0.022	6	1	1	1
PL.66719	PL.66911	A	#2 ACSR	7.36Y	122.6	0.00	2.35	0.22	0	2	0	100	0.00	0.0	3.918	0.101	0	0	1	2
PL.66720	PL.66719	A	#2 ACSR	7.36Y	122.6	0.00	2.35	0.17	0	1	0	100	0.00	0.0	3.960	0.042	0	0	0	1
PL.66313	PL.66720	A	#1/0 ACSR	7.36Y	122.6	0.00	2.35	0.17	0	1	0	100	0.00	0.0	3.998	0.038	1	0	1	1
PL.66837	PL.66311	A	#1/0 ACSR	7.36Y	122.7	0.00	2.35	0.11	0	1	0	100	0.00	0.0	3.708	0.004	0	0	0	1
PD.10025	PL.66837	A	65T	7.36Y	122.7	0.00	2.35	0.11	0	1	0	100	0.00	0.0	3.708	0.004	0	0	0	1
PL.66838	PD.10025	A	#1/0 ACSR	7.36Y	122.7	0.00	2.35	0.11	0	1	0	100	0.00	0.0	3.733	0.025	1	0	1	1
PL.66294	PL.66453	ABC	#1/0 ACSR	7.36Y	122.7	0.02	2.26	14.11	6	303	73	97	0.05	0.0	3.648	0.097	4	1	1	91
PL.66726	PL.66294	ABC	#1/0 ACSR	7.36Y	122.7	0.01	2.27	13.93	6	299	72	97	0.02	0.0	3.688	0.040	0	0	0	90
PL.66727	PL.66726	ABC	#1/0 ACSR	7.36Y	122.7	0.01	2.28	13.93	6	299	72	97	0.03	0.0	3.738	0.050	0	0	0	90
PL.66724	PL.66727	ABC	#1/0 ACSR	7.36Y	122.7	0.01	2.29	11.83	5	254	61	97	0.02	0.0	3.787	0.049	1	0	2	79
PL.66725	PL.66724	ABC	#1/0 ACSR	7.36Y	122.7	0.02	2.31	11.78	5	253	61	97	0.04	0.0	3.887	0.100	8	2	4	77
PL.66906	PL.66725	A	#4 ACSR	7.36Y	122.7	0.00	2.31	0.96	1	7	2	96	0.00	0.0	3.892	0.005	0	0	0	2
PD.10062	PL.66906	A	65T	7.36Y	122.7	0.00	2.31	0.96	0	7	2	96	0.00	0.0	3.892	0.005	0	0	0	2
PL.66907	PD.10062	A	#4 ACSR	7.36Y	122.7	0.00	2.31	0.96	1	7	2	96	0.00	0.0	3.930	0.038	7	2	2	2

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.66721	PL.66725	ABC	#1/0 ACSR	7.36Y	122.7	0.02	2.34	10.92	5	234	57	97	0.04	0.0	4.011	0.123	10	2	2	70
PL.66722	PL.66721	ABC	#1/0 ACSR	7.36Y	122.7	0.01	2.34	10.47	5	225	54	97	0.01	0.0	4.042	0.032	12	3	4	68
PL.66723	PL.66722	ABC	#1/0 ACSR	7.36Y	122.6	0.02	2.36	9.90	4	212	51	97	0.02	0.0	4.134	0.092	15	4	2	64
PL.66845	PL.66723	C	#2 ACSR	7.36Y	122.6	0.00	2.36	0.00	0	0	0	100	0.00	0.0	4.139	0.005	0	0	0	0
PD.10029	PL.66845	C	65T	7.36Y	122.6	0.00	2.36	0.00	0	0	0	100	0.00	0.0	4.139	0.005	0	0	0	0
PL.66846	PD.10029	C	#2 ACSR	7.36Y	122.6	0.00	2.36	0.00	0	0	0	100	0.00	0.0	4.182	0.043	0	0	0	0
PL.66754	PL.66723	ABC	#1/0 ACSR	7.36Y	122.6	0.00	2.36	9.22	4	198	48	97	0.00	0.0	4.155	0.021	7	2	1	62
PL.66755	PL.66754	ABC	#1/0 ACSR	7.36Y	122.6	0.01	2.37	8.88	4	190	46	97	0.01	0.0	4.219	0.064	0	0	0	61
PL.66743	PL.66755	ABC	#1/0 ACSR	7.36Y	122.6	0.01	2.38	8.88	4	190	46	97	0.01	0.0	4.258	0.039	0	0	1	60
PL.66744	PL.66743	ABC	#1/0 ACSR	7.36Y	122.6	0.01	2.39	8.88	4	190	46	97	0.01	0.0	4.328	0.069	0	0	0	59
PL.66908	PL.66744	C	6 A (CWC)	7.36Y	122.6	0.00	2.39	21.13	15	151	37	97	0.01	0.0	4.332	0.005	0	0	0	46
PD.10063	PL.66908	C	65T	7.36Y	122.6	0.00	2.39	21.13	0	151	37	97	0.00	0.0	4.332	0.005	0	0	0	46
PL.66909	PD.10063	C	6 A (CWC)	7.35Y	122.6	0.03	2.43	21.13	15	151	37	97	0.04	0.0	4.370	0.037	6	1	1	46
PL.66533	PL.66909	C	6 A (CWC)	7.35Y	122.5	0.06	2.49	17.60	13	126	30	97	0.05	0.0	4.442	0.072	0	0	0	38
PL.66302	PL.66533	C	#4 ACSR	7.35Y	122.5	0.00	2.49	0.90	1	6	2	95	0.00	0.0	4.508	0.067	6	2	2	2
PL.66534	PL.66533	C	6 A (CWC)	7.35Y	122.4	0.07	2.56	16.44	12	117	28	97	0.06	0.1	4.543	0.101	9	2	3	33
PL.66717	PL.66534	C	6 A (CWC)	7.34Y	122.4	0.04	2.60	15.18	11	108	26	97	0.03	0.0	4.598	0.055	0	0	0	30
PL.66718	PL.66717	C	6 A (CWC)	7.34Y	122.4	0.05	2.64	15.18	11	108	26	97	0.04	0.0	4.669	0.071	13	3	2	30
PL.66716	PL.66718	C	6 A (CWC)	7.34Y	122.3	0.03	2.68	13.38	10	96	23	97	0.02	0.0	4.732	0.063	17	4	5	28
PL.66756	PL.66716	C	6 A (CWC)	7.34Y	122.3	0.02	2.70	11.06	8	79	19	97	0.01	0.0	4.773	0.041	6	2	1	23
PL.66757	PL.66756	C	6 A (CWC)	7.34Y	122.3	0.03	2.72	10.16	7	72	17	97	0.01	0.0	4.830	0.057	6	1	1	22
PL.66305	PL.66757	C	#4 ACSR	7.34Y	122.3	0.00	2.73	9.34	7	67	16	97	0.00	0.0	4.840	0.010	0	0	1	21
PL.66737	PL.66305	C	6 A (CWC)	7.33Y	122.2	0.03	2.76	9.34	7	67	16	97	0.02	0.0	4.927	0.087	12	3	3	20
PL.66738	PL.66737	C	6 A (CWC)	7.33Y	122.2	0.01	2.77	7.63	5	54	13	97	0.00	0.0	4.960	0.033	14	3	4	17
PL.66735	PL.66738	C	6 A (CWC)	7.33Y	122.2	0.02	2.79	5.60	4	40	10	97	0.01	0.0	5.057	0.097	3	1	3	13
PL.66736	PL.66735	C	6 A (CWC)	7.33Y	122.2	0.00	2.80	5.24	4	37	9	97	0.00	0.0	5.076	0.019	0	0	0	10
PL.66306	PL.66736	C	6 A (CWC)	7.33Y	122.2	0.00	2.80	1.23	1	9	2	98	0.00	0.0	5.118	0.042	9	2	2	2
PL.66733	PL.66736	C	6 A (CWC)	7.33Y	122.2	0.01	2.81	4.01	3	29	7	97	0.00	0.0	5.142	0.066	7	2	2	8
PL.66734	PL.66733	C	6 A (CWC)	7.33Y	122.2	0.00	2.81	3.05	2	22	5	98	0.00	0.0	5.173	0.031	12	3	3	6
PL.66307	PL.66734	C	6 A (CWC)	7.33Y	122.2	0.01	2.82	1.31	1	9	2	98	0.00	0.0	5.262	0.090	0	0	0	3
PL.66535	PL.66307	C	6 A (CWC)	7.33Y	122.2	0.00	2.82	0.99	1	7	2	96	0.00	0.0	5.293	0.030	7	2	2	2

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

Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.66308	PL.66307	C	6 A (CWC)	7.33Y	122.2	0.00	2.82	0.32	0	2	1	89	0.00	0.0	5.338	0.076	2	1	1	1
PL.66303	PL.66533	C	6 A (CWC)	7.35Y	122.5	0.00	2.49	0.26	0	2	0	100	0.00	0.0	4.488	0.047	0	0	0	3
PL.66304	PL.66303	C	#4 ACSR	7.35Y	122.5	0.00	2.49	0.26	0	2	0	100	0.00	0.0	4.537	0.048	2	0	3	3
PL.66300	PL.66909	C	6 A (CWC)	7.35Y	122.6	0.01	2.44	2.66	2	19	5	97	0.00	0.0	4.464	0.094	0	0	0	7
PL.66741	PL.66300	C	6 A (CWC)	7.35Y	122.6	0.00	2.44	1.66	1	12	3	97	0.00	0.0	4.505	0.041	0	0	1	6
PL.66742	PL.66741	C	6 A (CWC)	7.35Y	122.6	0.00	2.45	1.66	1	12	3	97	0.00	0.0	4.599	0.094	12	3	4	5
PL.66739	PL.66742	C	#2 ACSR	7.35Y	122.6	0.00	2.45	0.02	0	0	0	100	0.00	0.0	4.643	0.045	0	0	0	1
PL.66740	PL.66739	C	#2 ACSR	7.35Y	122.6	0.00	2.45	0.02	0	0	0	100	0.00	0.0	4.762	0.119	0	0	1	1
PL.66301	PL.66300	C	#4 ACSR	7.35Y	122.6	0.00	2.44	1.00	1	7	2	96	0.00	0.0	4.534	0.070	7	2	1	1
PL.66839	PL.66744	A	6 A (CWC)	7.36Y	122.6	0.00	2.39	5.51	4	39	10	97	0.00	0.0	4.332	0.005	0	0	0	13
PD.10026	PL.66839	A	65T	7.36Y	122.6	0.00	2.39	5.51	0	39	10	97	0.00	0.0	4.332	0.005	0	0	0	13
PL.66840	PD.10026	A	6 A (CWC)	7.36Y	122.6	0.01	2.40	5.51	4	39	10	97	0.00	0.0	4.387	0.054	1	0	1	13
PL.66745	PL.66840	A	6 A (CWC)	7.35Y	122.6	0.02	2.43	5.36	4	38	9	97	0.01	0.0	4.478	0.091	0	0	0	12
PL.66309	PL.66745	A	#1/0 ACSR	7.35Y	122.6	0.00	2.43	0.97	0	7	2	96	0.00	0.0	4.538	0.060	7	2	1	1
PL.66746	PL.66745	A	6 A (CWC)	7.35Y	122.6	0.01	2.44	4.39	3	31	8	97	0.00	0.0	4.532	0.055	2	1	1	11
PL.66747	PL.66746	A	6 A (CWC)	7.35Y	122.6	0.00	2.44	4.09	3	29	7	97	0.00	0.0	4.554	0.022	0	0	2	10
PL.66532	PL.66747	A	6 A (CWC)	7.35Y	122.6	0.01	2.45	4.06	3	29	7	97	0.00	0.0	4.603	0.048	5	1	1	8
PL.66666	PL.66532	A	6 A (CWC)	7.35Y	122.5	0.01	2.46	3.30	2	24	6	97	0.00	0.0	4.658	0.055	0	0	0	7
PL.66748	PL.66666	A	6 A (CWC)	7.35Y	122.5	0.01	2.47	3.16	2	23	5	98	0.00	0.0	4.741	0.083	4	1	2	6
PL.66749	PL.66748	A	6 A (CWC)	7.35Y	122.5	0.01	2.47	2.65	2	19	5	97	0.00	0.0	4.832	0.092	19	5	4	4
PL.66310	PL.66666	A	#4 ACSR	7.35Y	122.5	0.00	2.46	0.15	0	1	0	100	0.00	0.0	4.674	0.016	1	0	1	1
PL.66841	PL.66755	A	#4 ACSR	7.36Y	122.6	0.00	2.37	0.00	0	0	0	100	0.00	0.0	4.224	0.005	0	0	0	1
PD.10027	PL.66841	A	65T	7.36Y	122.6	0.00	2.37	0.00	0	0	0	100	0.00	0.0	4.224	0.005	0	0	0	1
PL.66842	PD.10027	A	#4 ACSR	7.36Y	122.6	0.00	2.37	0.00	0	0	0	100	0.00	0.0	4.260	0.036	0	0	1	1
PL.66833	PL.66725	C	#4 ACSR	7.36Y	122.7	0.00	2.31	0.50	0	4	1	97	0.00	0.0	3.892	0.005	0	0	0	1
PD.10023	PL.66833	C	65T	7.36Y	122.7	0.00	2.31	0.50	0	4	1	97	0.00	0.0	3.892	0.005	0	0	0	1
PL.66834	PD.10023	C	#4 ACSR	7.36Y	122.7	0.00	2.31	0.50	0	4	1	97	0.00	0.0	3.954	0.063	4	1	1	1
PL.66904	PL.66727	C	#4 ACSR	7.36Y	122.7	0.00	2.28	4.83	4	35	8	97	0.00	0.0	3.742	0.005	0	0	0	9
PD.10061	PL.66904	C	65T	7.36Y	122.7	0.00	2.28	4.83	0	35	8	97	0.00	0.0	3.742	0.005	0	0	0	9
PL.66905	PD.10061	C	#4 ACSR	7.36Y	122.7	0.01	2.29	4.83	4	35	8	97	0.00	0.0	3.768	0.026	5	1	1	9
PL.66296	PL.66905	C	#2 ACSR	7.36Y	122.7	0.00	2.29	3.47	2	25	6	97	0.00	0.0	3.817	0.049	17	4	3	6

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

Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.66298	PL.66296	C	#4 ACSR	7.36Y	122.7	0.00	2.29	1.08	1	8	2	97	0.00	0.0	3.888	0.071	8	2	3	3
PL.66665	PL.66905	C	#4 ACSR	7.36Y	122.7	0.00	2.29	0.68	1	5	1	98	0.00	0.0	3.791	0.023	5	1	2	2
PL.66297	PL.66905	C	6 A (CWC)	7.36Y	122.7	0.00	2.29	0.00	0	0	0	100	0.00	0.0	3.841	0.073	0	0	0	0
PL.66295	PL.66727	A	#4 ACSR	7.36Y	122.7	0.00	2.28	1.48	1	11	3	96	0.00	0.0	3.744	0.006	11	3	2	2
PL.66291	PL.66571	B	6 A (CWC)	7.38Y	122.9	0.01	2.07	2.43	2	17	4	97	0.00	0.0	3.528	0.158	7	2	1	4
PL.66292	PL.66291	B	6 A (CWC)	7.38Y	122.9	0.00	2.08	1.41	1	10	2	98	0.00	0.0	3.617	0.089	7	2	2	3
PL.66293	PL.66292	B	#4 ACSR	7.38Y	122.9	0.00	2.08	0.37	0	3	1	95	0.00	0.0	3.701	0.084	3	1	1	1
PL.66835	PL.66751	B	#1/0 ACSR	7.39Y	123.1	0.00	1.86	1.63	1	12	3	97	0.00	0.0	3.182	0.005	0	0	0	1
PD.10024	PL.66835	B	65T	7.39Y	123.1	0.00	1.86	1.63	0	12	3	97	0.00	0.0	3.182	0.005	0	0	0	1
PL.66836	PD.10024	B	#1/0 ACSR	7.39Y	123.1	0.00	1.86	1.63	1	12	3	97	0.00	0.0	3.223	0.041	12	3	1	1
PL.66843	PL.66941	A	#1/0 ACSR	7.40Y	123.4	0.00	1.61	1.05	0	8	2	97	0.00	0.0	2.937	0.005	0	0	0	1
PD.10028	PL.66843	A	65T	7.40Y	123.4	0.00	1.61	1.05	0	8	2	97	0.00	0.0	2.937	0.005	0	0	0	1
PL.66844	PD.10028	A	#1/0 ACSR	7.40Y	123.4	0.00	1.61	1.05	0	8	2	97	0.00	0.0	3.002	0.065	8	2	1	1
CP.105	PL.66940	ABC	Cap (300)	7.41Y	123.5	0.00	1.49	0.00	0	0	0	100	0.00	0.0	2.823	0.065	0	0	0	0
PL.66932	PL.66569	ABC	#4 ACSR	7.43Y	123.8	0.00	1.22	1.79	1	36	17	90	0.00	0.0	2.454	0.024	0	0	0	1
PD.10075	PL.66932	ABC	65T	7.43Y	123.8	0.00	1.22	1.79	0	36	17	90	0.00	0.0	2.454	0.024	0	0	0	1
PL.66933	PD.10075	ABC	#4 ACSR	7.43Y	123.8	0.00	1.23	1.79	1	36	17	90	0.00	0.0	2.515	0.061	0	0	0	1
PL.66570	PL.66933	ABC	#4 ACSR	7.43Y	123.8	0.01	1.23	1.79	1	36	17	90	0.00	0.0	2.674	0.159	36	17	1	1
PL.66898	PL.66935	A	#4 ACSR	7.44Y	124.0	0.00	0.98	0.87	1	6	2	95	0.00	0.0	1.893	0.005	0	0	0	2
PD.10058	PL.66898	A	65T	7.44Y	124.0	0.00	0.98	0.87	0	6	2	95	0.00	0.0	1.893	0.005	0	0	0	2
PL.66899	PD.10058	A	#4 ACSR	7.44Y	124.0	0.00	0.98	0.87	1	6	2	95	0.00	0.0	1.910	0.017	0	0	0	2
PL.66288	PL.66899	A	#4 ACSR	7.44Y	124.0	0.00	0.98	0.87	1	6	2	95	0.00	0.0	1.973	0.063	6	2	2	2
PL.66876	PL.66935	C	#4 ACSR	7.44Y	124.0	0.00	0.98	0.02	0	0	0	100	0.00	0.0	1.893	0.005	0	0	0	1
PD.10046	PL.66876	C	65T	7.44Y	124.0	0.00	0.98	0.02	0	0	0	100	0.00	0.0	1.893	0.005	0	0	0	1
PL.66877	PD.10046	C	#4 ACSR	7.44Y	124.0	0.00	0.98	0.02	0	0	0	100	0.00	0.0	1.920	0.027	0	0	0	1
PL.66287	PL.66877	C	#4 ACSR	7.44Y	124.0	0.00	0.98	0.02	0	0	0	100	0.00	0.0	1.990	0.070	0	0	1	1
PL.66896	PL.66451	A	#4 ACSR	7.45Y	124.2	0.00	0.80	5.14	4	37	9	97	0.00	0.0	1.493	0.005	0	0	0	9
PD.10057	PL.66896	A	65T	7.45Y	124.2	0.00	0.80	5.14	0	37	9	97	0.00	0.0	1.493	0.005	0	0	0	9
PL.66897	PD.10057	A	#4 ACSR	7.45Y	124.2	0.01	0.81	5.14	4	37	9	97	0.00	0.0	1.520	0.027	11	3	1	9
PL.66782	PL.66897	A	#4 ACSR	7.45Y	124.2	0.00	0.81	3.60	3	26	6	97	0.00	0.0	1.551	0.031	8	2	1	8
PL.66783	PL.66782	A	#4 ACSR	7.45Y	124.2	0.00	0.81	2.52	2	18	4	98	0.00	0.0	1.591	0.040	10	3	1	7

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

Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.66781	PL.66783	A	#4 ACSR	7.45Y	124.2	0.00	0.81	1.08	1	8	2	97	0.00	0.0	1.635	0.043	8	2	6	6
PL.66878	PL.66451	C	#4 ACSR	7.45Y	124.2	0.00	0.80	2.20	2	16	4	97	0.00	0.0	1.493	0.005	0	0	0	6
PD.10047	PL.66878	C	65T	7.45Y	124.2	0.00	0.80	2.20	0	16	4	97	0.00	0.0	1.493	0.005	0	0	0	6
PL.66879	PD.10047	C	#4 ACSR	7.45Y	124.2	0.00	0.80	2.20	2	16	4	97	0.00	0.0	1.508	0.016	10	2	3	6
PL.66785	PL.66879	C	#4 ACSR	7.45Y	124.2	0.00	0.80	0.81	1	6	1	99	0.00	0.0	1.653	0.145	5	1	2	3
PL.66786	PL.66785	C	#4 ACSR	7.45Y	124.2	0.00	0.80	0.05	0	0	0	100	0.00	0.0	1.816	0.162	0	0	1	1
PL.66930	PL.66667	ABC	#1/0 ACSR	7.45Y	124.2	0.00	0.77	10.88	5	219	106	90	0.00	0.0	1.419	0.004	0	0	0	1
PD.10074	PL.66930	ABC	65T	7.45Y	124.2	0.00	0.77	10.88	0	219	106	90	0.00	0.0	1.419	0.004	0	0	0	1
PL.66931	PD.10074	ABC	#1/0 ACSR	7.45Y	124.2	0.00	0.77	10.88	5	219	106	90	0.00	0.0	1.423	0.004	219	106	1	1
PL.66805	PL.66931	ABC	#1/0 ACSR	7.45Y	124.2	0.00	0.77	0.00	0	0	0	100	0.00	0.0	1.454	0.030	0	0	0	0
PL.66806	PL.66805	ABC	#1/0 ACSR	7.45Y	124.2	0.00	0.77	0.00	0	0	0	100	0.00	0.0	1.565	0.111	0	0	0	0
PL.66880	PL.66675	B	#1/0 ACSR	7.46Y	124.4	0.00	0.59	43.99	19	319	77	97	0.01	0.0	1.108	0.005	0	0	0	169
PD.10049	PL.66880	B	65T	7.46Y	124.4	0.00	0.59	43.99	0	319	77	97	0.00	0.0	1.108	0.005	0	0	0	169
PL.66881	PD.10049	B	#1/0 ACSR	7.46Y	124.4	0.01	0.60	43.99	19	319	77	97	0.02	0.0	1.119	0.012	0	0	0	169
PL.66275	PL.66881	B	#1/0 ACSR	7.46Y	124.4	0.03	0.63	25.02	11	182	44	97	0.03	0.0	1.173	0.053	35	8	14	110
PL.66448	PL.66275	B	#1/0 ACSR	7.46Y	124.4	0.00	0.63	20.26	9	147	35	97	0.00	0.0	1.173	0.000	26	6	13	96
PL.66447	PL.66448	B	#1/0 ACSR	7.46Y	124.4	0.01	0.64	16.61	7	121	29	97	0.01	0.0	1.216	0.043	53	13	29	83
PL.66804	PL.66447	B	#1/0 ACSR	7.46Y	124.4	0.00	0.65	9.29	4	67	16	97	0.00	0.0	1.257	0.042	67	16	54	54
PL.66803	PL.66804	B	#1/0 ACSR	7.46Y	124.4	0.00	0.65	0.00	0	0	0	100	0.00	0.0	1.283	0.026	0	0	0	0
PL.66789	PL.66881	B	#1/0 ACSR	7.46Y	124.4	0.01	0.61	18.97	8	138	33	97	0.01	0.0	1.142	0.022	19	5	14	59
PL.66882	PL.66789	B	#1/0 ACSR	7.46Y	124.4	0.00	0.61	16.36	7	119	29	97	0.00	0.0	1.146	0.005	0	0	0	45
PD.10050	PL.66882	B	65T	7.46Y	124.4	0.00	0.61	16.36	0	119	29	97	0.00	0.0	1.146	0.005	0	0	0	45
PL.66883	PD.10050	B	#1/0 ACSR	7.46Y	124.4	0.00	0.61	16.36	7	119	29	97	0.00	0.0	1.153	0.007	21	5	6	45
PL.66449	PL.66883	B	#1/0 ACSR	7.46Y	124.4	0.00	0.62	7.46	3	54	13	97	0.00	0.0	1.174	0.020	0	0	0	23
PL.66277	PL.66449	B	#1/0 ACSR	7.46Y	124.4	0.01	0.63	7.46	3	54	13	97	0.00	0.0	1.232	0.058	8	2	1	23
PL.66281	PL.66277	B	#4 ACSR	7.46Y	124.4	0.00	0.63	0.84	1	6	1	99	0.00	0.0	1.265	0.033	6	1	1	1
PL.66450	PL.66277	B	#1/0 ACSR	7.46Y	124.4	0.00	0.63	5.57	2	40	10	97	0.00	0.0	1.246	0.014	40	10	21	21
PL.66280	PL.66450	B	#1/0 ACSR	7.46Y	124.4	0.00	0.63	0.00	0	0	0	100	0.00	0.0	1.288	0.042	0	0	0	0
PL.66278	PL.66883	B	#4 ACSR	7.46Y	124.4	0.01	0.62	6.03	5	44	11	97	0.00	0.0	1.193	0.040	4	1	1	16
PL.66283	PL.66278	B	#2 ACSR	7.46Y	124.4	0.00	0.63	4.17	2	30	7	97	0.00	0.0	1.218	0.026	0	0	0	12
PL.66637	PL.66283	B	#4 ACSR	7.46Y	124.4	0.01	0.63	4.17	3	30	7	97	0.00	0.0	1.257	0.038	9	2	2	12

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.66638	PL.66637	B	#2 ACSR	7.46Y	124.4	0.00	0.64	2.92	2	21	5	97	0.00	0.0	1.287	0.030	21	5	8	8
PL.66284	PL.66637	B	#4 ACSR	7.46Y	124.4	0.00	0.63	0.02	0	0	0	100	0.00	0.0	1.285	0.028	0	0	2	2
PL.66673	PL.66278	B	#4 ACSR	7.46Y	124.4	0.00	0.63	1.31	1	10	2	98	0.00	0.0	1.203	0.011	0	0	0	3
PL.66282	PL.66673	B	#4 ACSR	7.46Y	124.4	0.00	0.63	0.60	0	4	1	97	0.00	0.0	1.224	0.021	4	1	1	1
PL.66674	PL.66673	B	#4 ACSR	7.46Y	124.4	0.00	0.63	0.71	1	5	1	98	0.00	0.0	1.249	0.045	5	1	2	2
PL.66885	PL.66446	C	#2 ACSR	7.47Y	124.5	0.00	0.51	1.41	1	10	2	98	0.00	0.0	0.993	0.005	0	0	0	2
PD.10051	PL.66885	C	65T	7.47Y	124.5	0.00	0.51	1.41	0	10	2	98	0.00	0.0	0.993	0.005	0	0	0	2
PL.66884	PD.10051	C	#2 ACSR	7.47Y	124.5	0.00	0.51	1.41	1	10	2	98	0.00	0.0	1.028	0.036	10	2	2	2
PL.66890	PL.66794	C	#2 ACSR	7.49Y	124.8	0.00	0.25	1.92	1	14	3	98	0.00	0.0	0.625	0.005	0	0	0	2
PD.10054	PL.66890	C	65T	7.49Y	124.8	0.00	0.25	1.92	0	14	3	98	0.00	0.0	0.625	0.005	0	0	0	2
PL.66891	PD.10054	C	#2 ACSR	7.49Y	124.8	0.00	0.25	1.92	1	14	3	98	0.00	0.0	0.655	0.029	14	3	2	2
PL.67908	McKee	ABC	336 MCM AC	7.50Y	125.0	0.02	0.02	266.71	51	5655	2007	94	0.46	0.0	0.008	0.008	0	0	0	985
PL.72499	PL.67908	ABC	336 MCM AC	7.50Y	125.0	0.00	0.02	266.71	51	5655	2006	94	0.11	0.0	0.009	0.002	0	0	0	985
---------- Feeder No. 2 (JCHS F2) Beginning with Device PD.10785 ----------																				
PD.10785	PL.72499	ABC	400VWE	7.50Y	125.0	0.00	0.02	266.71	0	5655	2006	94	0.00	0.0	0.009	0.002	0	0	0	985
PL.72500	PD.10785	ABC	336 MCM AC	7.49Y	124.9	0.07	0.09	266.71	51	5655	2006	94	1.95	0.0	0.042	0.033	7	2	2	985
PL.68152	PL.72500	ABC	336 MCM AC	7.48Y	124.7	0.21	0.30	266.39	51	5646	2000	94	5.74	0.1	0.138	0.096	6	1	2	983
PL.67848	PL.68152	ABC	336 MCM AC	7.46Y	124.4	0.32	0.62	266.11	51	5634	1985	94	9.01	0.2	0.289	0.151	0	0	0	981
PL.68175	PL.67848	ABC	336 MCM AC	7.45Y	124.1	0.26	0.88	266.11	51	5625	1964	94	7.26	0.1	0.411	0.122	0	0	1	981
PL.68176	PL.68175	ABC	336 MCM AC	7.44Y	124.0	0.14	1.02	266.11	51	5618	1947	94	4.05	0.1	0.479	0.068	0	0	0	980
PL.67851	PL.68176	ABC	336 MCM AC	7.42Y	123.7	0.27	1.29	266.11	51	5613	1937	95	7.45	0.1	0.603	0.125	0	0	0	980
PL.67850	PL.67851	ABC	336 MCM AC	7.41Y	123.4	0.27	1.55	266.11	51	5606	1920	95	7.51	0.1	0.729	0.126	0	0	0	980
PL.67852	PL.67850	ABC	336 MCM AC	7.39Y	123.1	0.34	1.89	266.11	51	5599	1902	95	9.57	0.2	0.890	0.160	0	0	0	980
PL.67489	PL.67852	ABC	336 MCM AC	7.38Y	122.9	0.17	2.07	266.11	51	5589	1880	95	4.91	0.1	0.972	0.082	4	1	1	980
PL.67490	PL.67489	ABC	336 MCM AC	7.37Y	122.9	0.05	2.11	265.94	51	5580	1868	95	1.36	0.0	0.995	0.023	0	0	0	979
PL.67491	PL.67490	ABC	336 MCM AC	7.37Y	122.8	0.05	2.17	265.94	51	5579	1865	95	1.56	0.0	1.021	0.026	0	0	0	979
PL.68307	PL.67491	ABC	336 MCM AC	7.37Y	122.8	0.01	2.18	265.94	51	5578	1861	95	0.29	0.0	1.026	0.005	0	0	0	979
PD.10255-A	PL.68307	ABC	Closed	7.37Y	122.8	0.00	2.18	265.94	0	5577	1860	95	0.00	0.0	1.026	0.005	0	0	0	979
PD.10255-B	PD.10255-A	ABC	Closed	7.37Y	122.8	0.00	2.18	265.94	0	5577	1860	95	0.00	0.0	1.026	0.005	0	0	0	979

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.68308	PD.10255-B	ABC	336 MCM AC	7.36Y	122.7	0.13	2.31	265.94	51	5577	1860	95	3.64	0.1	1.087	0.061	0	0	0	979
PL.68148	PL.68308	C	#1/0 ACSR	7.36Y	122.7	0.00	2.31	2.72	1	19	5	97	0.00	0.0	1.127	0.040	2	1	1	2
PL.68287	PL.68148	C	#1/0 ACSR	7.36Y	122.7	0.00	2.31	2.38	1	17	4	97	0.00	0.0	1.132	0.005	0	0	0	1
PD.10244	PL.68287	C	65T	7.36Y	122.7	0.00	2.31	2.38	0	17	4	97	0.00	0.0	1.132	0.005	0	0	0	1
PL.68288	PD.10244	C	#1/0 ACSR	7.36Y	122.7	0.00	2.31	2.38	1	17	4	97	0.00	0.0	1.138	0.006	17	4	1	1
PL.68149	PL.68308	ABC	336 MCM AC	7.36Y	122.7	0.00	2.31	2.21	0	47	11	97	0.00	0.0	1.189	0.102	47	11	8	8
PL.68150	PL.68149	ABC	336 MCM AC	7.36Y	122.7	0.00	2.31	0.00	0	0	0	100	0.00	0.0	1.244	0.055	0	0	0	0
PL.67406	PL.68150	ABC	336 MCM AC	7.36Y	122.7	0.00	2.31	0.00	0	0	0	100	0.00	0.0	1.248	0.005	0	0	0	0
PD.10162-B	PL.67406	ABC	Open	7.36Y	122.7	0.00	2.31	0.00	0	0	0	100	0.00	0.0	1.248	0.005	0	0	0	0
PL.68177	PL.68308	ABC	336 MCM AC	7.36Y	122.7	0.03	2.33	262.83	51	5507	1836	95	0.75	0.0	1.100	0.013	45	11	1	968
PL.68178	PL.68177	ABC	336 MCM AC	7.35Y	122.5	0.18	2.52	260.73	50	5461	1823	95	5.06	0.1	1.188	0.088	0	0	0	967
PL.68234	PL.68178	A	#4 ACSR	7.35Y	122.5	0.00	2.52	0.00	0	0	0	100	0.00	0.0	1.193	0.005	0	0	0	1
PD.10217	PL.68234	A	65T	7.35Y	122.5	0.00	2.52	0.00	0	0	0	100	0.00	0.0	1.193	0.005	0	0	0	1
PL.68233	PD.10217	A	#4 ACSR	7.35Y	122.5	0.00	2.52	0.00	0	0	0	100	0.00	0.0	1.215	0.023	0	0	1	1
PL.67790	PL.68178	ABC	336 MCM AC	7.34Y	122.4	0.07	2.59	260.73	50	5455	1811	95	2.06	0.0	1.224	0.036	0	0	0	966
PL.68131	PL.67790	ABC	#1/0 ACSR	7.34Y	122.4	0.05	2.64	57.34	25	1198	403	95	0.40	0.0	1.270	0.046	0	0	1	242
PL.68179	PL.68131	ABC	#1/0 ACSR	7.34Y	122.3	0.08	2.72	57.34	25	1197	402	95	0.64	0.1	1.356	0.086	215	104	2	241
PL.68180	PL.68179	ABC	#1/0 ACSR	7.33Y	122.2	0.05	2.77	46.57	20	981	298	96	0.30	0.0	1.422	0.066	244	118	1	239
PL.68323	PL.68180	ABC	#1/0 ACSR	7.33Y	122.2	0.00	2.77	34.43	15	736	179	97	0.02	0.0	1.430	0.008	0	0	0	238
PD.10263	PL.68323	ABC	70L	7.33Y	122.2	0.00	2.77	34.43	49	736	179	97	0.00	0.0	1.430	0.008	0	0	0	238
PL.68324	PD.10263	ABC	#1/0 ACSR	7.33Y	122.2	0.06	2.84	34.43	15	736	179	97	0.32	0.0	1.532	0.102	0	0	0	238
PL.67880	PL.68324	ABC	#4 ACSR	7.33Y	122.2	0.00	2.84	0.00	0	0	0	100	0.00	0.0	1.544	0.012	0	0	0	0
PL.67881	PL.67880	ABC	#4 ACSR	7.33Y	122.2	0.00	2.84	0.00	0	0	0	100	0.00	0.0	1.545	0.001	0	0	0	0
PL.67874	PL.67881	ABC	#4 ACSR	7.33Y	122.2	0.00	2.84	0.00	0	0	0	100	0.00	0.0	1.545	0.000	0	0	0	0
PL.67873	PL.67874	ABC	#4 ACSR	7.33Y	122.2	0.00	2.84	0.00	0	0	0	100	0.00	0.0	1.583	0.038	0	0	0	0
PL.67498	PL.68324	ABC	#1/0 ACSR	7.33Y	122.2	0.00	2.84	0.00	0	0	0	100	0.00	0.0	1.571	0.039	0	0	1	1
PL.67792	PL.68324	ABC	#1/0 ACSR	7.33Y	122.1	0.02	2.86	34.43	15	736	178	97	0.10	0.0	1.565	0.033	5	1	1	237
PL.67500	PL.67792	ABC	#2 ACSR	7.32Y	122.0	0.10	2.95	34.18	20	730	177	97	0.53	0.1	1.676	0.111	0	0	0	236
PL.68136	PL.67500	ABC	#2 ACSR	7.32Y	122.0	0.07	3.02	34.18	20	730	177	97	0.40	0.1	1.760	0.084	6	1	1	236
PL.68137	PL.68136	ABC	#2 ACSR	7.31Y	121.9	0.06	3.09	33.91	19	724	175	97	0.35	0.0	1.836	0.076	6	1	2	235
PL.68235	PL.68137	B	6 A (CWC)	7.31Y	121.9	0.00	3.09	1.82	1	13	3	97	0.00	0.0	1.860	0.024	0	0	0	3

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% 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.10218	PL.68235	B	30T	7.31Y	121.9	0.00	3.09	1.82	0	13	3	97	0.00	0.0	1.860	0.024	0	0	0	3
PL.68236	PD.10218	B	6 A (CWC)	7.31Y	121.9	0.00	3.09	1.82	1	13	3	97	0.00	0.0	1.888	0.028	8	2	2	3
PL.68144	PL.68236	B	6 A (CWC)	7.31Y	121.9	0.00	3.09	0.68	0	5	1	98	0.00	0.0	2.043	0.155	5	1	1	1
PL.67793	PL.68137	ABC	#2 ACSR	7.31Y	121.8	0.13	3.22	33.03	19	704	170	97	0.71	0.1	1.996	0.159	0	0	0	230
PL.68134	PL.67793	ABC	#2 ACSR	7.30Y	121.7	0.06	3.28	32.63	19	695	168	97	0.31	0.0	2.067	0.071	7	2	1	228
PL.68135	PL.68134	ABC	#2 ACSR	7.30Y	121.7	0.04	3.32	32.31	18	688	166	97	0.22	0.0	2.119	0.053	0	0	0	227
PL.68255	PL.68135	A	#4 ACSR	7.30Y	121.7	0.00	3.32	3.01	2	21	5	97	0.00	0.0	2.124	0.005	0	0	0	3
PD.10228	PL.68255	A	30T	7.30Y	121.7	0.00	3.32	3.01	0	21	5	97	0.00	0.0	2.124	0.005	0	0	0	3
PL.68256	PD.10228	A	#4 ACSR	7.30Y	121.7	0.00	3.32	3.01	2	21	5	97	0.00	0.0	2.145	0.021	21	5	3	3
PL.68239	PL.68135	A	#4 ACSR	7.30Y	121.7	0.00	3.32	19.24	15	137	33	97	0.00	0.0	2.124	0.005	0	0	0	48
PD.10220	PL.68239	A	30T	7.30Y	121.7	0.00	3.32	19.24	0	137	33	97	0.00	0.0	2.124	0.005	0	0	0	48
PL.68240	PD.10220	A	#4 ACSR	7.30Y	121.7	0.00	3.33	19.24	15	137	33	97	0.00	0.0	2.129	0.005	46	11	12	48
PL.68145	PL.68240	A	#4 ACSR	7.30Y	121.6	0.02	3.35	12.74	10	90	22	97	0.02	0.0	2.180	0.051	25	6	10	36
PL.68132	PL.68145	A	#4 ACSR	7.30Y	121.6	0.00	3.36	9.18	7	65	16	97	0.00	0.0	2.193	0.013	23	5	15	26
PL.68133	PL.68132	A	#4 ACSR	7.30Y	121.6	0.01	3.37	5.97	5	42	10	97	0.00	0.0	2.240	0.046	13	3	1	11
PL.67501	PL.68133	A	#4 ACSR	7.30Y	121.6	0.01	3.37	4.13	3	29	7	97	0.00	0.0	2.267	0.028	0	0	0	10
PL.68101	PL.67501	A	#4 ACSR	7.30Y	121.6	0.00	3.37	1.76	1	13	3	97	0.00	0.0	2.286	0.019	13	3	4	4
PL.68102	PL.68101	A	#4 ACSR	7.30Y	121.6	0.00	3.37	0.00	0	0	0	100	0.00	0.0	2.300	0.014	0	0	0	0
PL.68104	PL.67501	A	#1/0 ACSR	7.30Y	121.6	0.00	3.37	0.57	0	4	1	97	0.00	0.0	2.288	0.021	4	1	2	2
PL.68105	PL.68104	A	#1/0 ACSR	7.30Y	121.6	0.00	3.37	0.00	0	0	0	100	0.00	0.0	2.324	0.036	0	0	0	0
PL.67504	PL.67501	A	#4 ACSR	7.30Y	121.6	0.00	3.37	1.80	1	13	3	97	0.00	0.0	2.277	0.010	13	3	4	4
PL.68139	PL.68135	ABC	#2 ACSR	7.30Y	121.7	0.02	3.34	24.90	14	530	128	97	0.08	0.0	2.152	0.033	39	9	23	176
PL.68140	PL.68139	ABC	#2 ACSR	7.30Y	121.6	0.02	3.36	23.06	13	491	119	97	0.08	0.0	2.187	0.035	0	0	1	153
PL.68138	PL.68140	A	#4 ACSR	7.30Y	121.6	0.02	3.37	19.33	15	137	33	97	0.01	0.0	2.206	0.019	22	5	1	46
PL.68237	PL.68138	A	#4 ACSR	7.30Y	121.6	0.00	3.38	16.29	13	116	28	97	0.00	0.0	2.211	0.005	0	0	0	45
PD.10219	PL.68237	A	30T	7.30Y	121.6	0.00	3.38	16.29	0	116	28	97	0.00	0.0	2.211	0.005	0	0	0	45
PL.68238	PD.10219	A	#4 ACSR	7.30Y	121.6	0.03	3.41	16.29	13	116	28	97	0.02	0.0	2.269	0.059	61	15	21	45
PL.68107	PL.68238	A	#4 ACSR	7.30Y	121.6	0.01	3.42	7.74	6	55	13	97	0.00	0.0	2.305	0.036	55	13	24	24
PL.68103	PL.68107	A	#4 ACSR	7.30Y	121.6	0.00	3.42	0.00	0	0	0	100	0.00	0.0	2.327	0.022	0	0	0	0
PL.67503	PL.68103	A	#4 ACSR	7.30Y	121.6	0.00	3.42	0.00	0	0	0	100	0.00	0.0	2.366	0.040	0	0	0	0
PL.67502	PL.68140	ABC	#2 ACSR	7.30Y	121.6	0.03	3.38	14.08	8	300	72	97	0.06	0.0	2.260	0.073	9	2	1	70

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: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.68146	PL.67502	ABC	#2 ACSR	7.30Y	121.6	0.02	3.41	13.64	8	290	70	97	0.05	0.0	2.327	0.067	0	0	0	69
PL.68147	PL.68146	ABC	#2 ACSR	7.29Y	121.6	0.03	3.44	13.64	8	290	70	97	0.07	0.0	2.420	0.093	3	1	1	69
PL.68112	PL.68147	ABC	#2 ACSR	7.29Y	121.6	0.01	3.45	13.50	8	287	69	97	0.01	0.0	2.440	0.020	0	0	0	68
PL.68113	PL.68112	ABC	#2 ACSR	7.29Y	121.6	0.00	3.45	12.71	7	270	65	97	0.01	0.0	2.449	0.010	2	0	1	64
PL.68169	PL.68113	ABC	#2 ACSR	7.29Y	121.5	0.02	3.46	12.62	7	268	65	97	0.03	0.0	2.500	0.050	9	2	5	63
PL.68170	PL.68169	ABC	#2 ACSR	7.29Y	121.5	0.02	3.48	12.20	7	259	63	97	0.04	0.0	2.563	0.063	12	3	5	58
PL.68168	PL.68170	ABC	#2 ACSR	7.29Y	121.5	0.01	3.49	11.61	7	247	60	97	0.02	0.0	2.598	0.035	0	0	0	53
PL.68165	PL.68168	ABC	#2 ACSR	7.29Y	121.5	0.01	3.50	9.83	6	209	50	97	0.02	0.0	2.642	0.044	0	0	0	43
PL.68166	PL.68165	ABC	#2 ACSR	7.29Y	121.5	0.01	3.52	9.83	6	209	50	97	0.02	0.0	2.688	0.045	7	2	2	43
PL.67508	PL.68166	B	#4 ACSR	7.28Y	121.4	0.13	3.65	22.92	18	162	39	97	0.16	0.1	2.819	0.131	6	1	2	33
PL.67513	PL.67508	B	#4 ACSR	7.28Y	121.3	0.01	3.65	10.84	8	77	19	97	0.00	0.0	2.836	0.017	4	1	1	18
PL.67794	PL.67513	B	#4 ACSR	7.28Y	121.3	0.01	3.66	7.65	6	54	13	97	0.00	0.0	2.856	0.019	0	0	0	14
PL.67511	PL.67794	B	#4 ACSR	7.28Y	121.3	0.00	3.66	3.08	2	22	5	98	0.00	0.0	2.894	0.038	22	5	4	4
PL.68161	PL.67794	B	#4 ACSR	7.28Y	121.3	0.00	3.66	4.57	4	32	8	97	0.00	0.0	2.870	0.014	14	3	3	10
PL.68162	PL.68161	B	#4 ACSR	7.28Y	121.3	0.00	3.67	2.64	2	19	5	97	0.00	0.0	2.924	0.054	13	3	4	7
PL.68160	PL.68162	B	#4 ACSR	7.28Y	121.3	0.00	3.67	0.83	1	6	1	99	0.00	0.0	2.955	0.032	6	1	3	3
PL.67795	PL.67513	B	#4 ACSR	7.28Y	121.3	0.01	3.66	2.59	2	18	4	98	0.00	0.0	2.884	0.048	0	0	0	3
PL.67510	PL.67795	B	#4 ACSR	7.28Y	121.3	0.00	3.66	2.06	2	15	4	97	0.00	0.0	2.925	0.041	15	4	2	2
PL.67509	PL.67795	B	#4 ACSR	7.28Y	121.3	0.00	3.66	0.53	0	4	1	97	0.00	0.0	2.914	0.029	4	1	1	1
PL.67512	PL.67508	B	#4 ACSR	7.28Y	121.3	0.01	3.66	11.23	9	80	19	97	0.01	0.0	2.839	0.020	0	0	0	13
PL.68156	PL.67512	B	#4 ACSR	7.28Y	121.3	0.00	3.66	5.00	4	35	9	97	0.00	0.0	2.861	0.022	13	3	2	7
PL.68157	PL.68156	B	#4 ACSR	7.28Y	121.3	0.01	3.67	3.12	2	22	5	98	0.00	0.0	2.908	0.047	10	2	2	5
PL.68153	PL.68157	B	#4 ACSR	7.28Y	121.3	0.00	3.67	1.77	1	13	3	97	0.00	0.0	2.953	0.045	13	3	3	3
PL.68158	PL.67512	B	#2 ACSR	7.28Y	121.3	0.00	3.66	6.23	4	44	11	97	0.00	0.0	2.851	0.011	5	1	1	6
PL.68159	PL.68158	B	#2 ACSR	7.28Y	121.3	0.01	3.67	5.54	3	39	9	97	0.00	0.0	2.940	0.089	4	1	1	5
PL.68154	PL.68159	B	#2 ACSR	7.28Y	121.3	0.00	3.67	0.46	0	3	1	95	0.00	0.0	2.963	0.023	1	0	1	2
PL.68155	PL.68154	B	#2 ACSR	7.28Y	121.3	0.00	3.67	0.35	0	3	1	95	0.00	0.0	3.042	0.079	3	1	1	1
PL.67514	PL.68159	B	#4 ACSR	7.28Y	121.3	0.01	3.68	4.47	3	32	8	97	0.00	0.0	2.993	0.053	32	8	2	2
PL.68246	PL.68166	C	#4 ACSR	7.29Y	121.5	0.00	3.52	5.61	4	40	10	97	0.00	0.0	2.692	0.004	0	0	0	8
PD.10223	PL.68246	C	30T	7.29Y	121.5	0.00	3.52	5.61	0	40	10	97	0.00	0.0	2.692	0.004	0	0	0	8
PL.68245	PD.10223	C	#4 ACSR	7.29Y	121.5	0.01	3.52	5.61	4	40	10	97	0.00	0.0	2.724	0.032	8	2	3	8

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.68167	PL.68245	C	#4 ACSR	7.29Y	121.5	0.01	3.53	4.48	3	32	8	97	0.00	0.0	2.776	0.052	20	5	3	5
PL.68163	PL.68167	C	#4 ACSR	7.29Y	121.5	0.00	3.53	1.61	1	11	3	96	0.00	0.0	2.841	0.065	11	3	2	2
PL.68247	PL.68168	B	#4 ACSR	7.29Y	121.5	0.00	3.49	5.36	4	38	9	97	0.00	0.0	2.603	0.005	0	0	0	10
PD.10224	PL.68247	B	30T	7.29Y	121.5	0.00	3.49	5.36	0	38	9	97	0.00	0.0	2.603	0.005	0	0	0	10
PL.68248	PD.10224	B	#4 ACSR	7.29Y	121.5	0.00	3.50	5.36	4	38	9	97	0.00	0.0	2.618	0.015	17	4	5	10
PL.68164	PL.68248	B	#4 ACSR	7.29Y	121.5	0.00	3.50	2.93	2	21	5	97	0.00	0.0	2.669	0.052	13	3	3	5
PL.67507	PL.68164	B	#2 ACSR	7.29Y	121.5	0.00	3.50	1.04	1	7	2	96	0.00	0.0	2.698	0.029	7	2	2	2
PL.68216	PL.68112	C	#2 ACSR	7.29Y	121.6	0.00	3.45	2.38	1	17	4	97	0.00	0.0	2.444	0.005	0	0	0	4
PD.10208	PL.68216	C	30T	7.29Y	121.6	0.00	3.45	2.38	0	17	4	97	0.00	0.0	2.444	0.005	0	0	0	4
PL.68217	PD.10208	C	#2 ACSR	7.29Y	121.6	0.00	3.45	2.38	1	17	4	97	0.00	0.0	2.478	0.034	5	1	2	4
PL.68111	PL.68217	C	#2 ACSR	7.29Y	121.5	0.00	3.45	1.70	1	12	3	97	0.00	0.0	2.515	0.037	0	0	1	2
PL.68110	PL.68111	C	#2 ACSR	7.29Y	121.5	0.00	3.45	1.64	1	12	3	97	0.00	0.0	2.592	0.077	12	3	1	1
PL.68108	PL.68110	C	#2 ACSR	7.29Y	121.5	0.00	3.45	0.00	0	0	0	100	0.00	0.0	2.624	0.032	0	0	0	0
PL.68109	PL.68108	C	#2 ACSR	7.29Y	121.5	0.00	3.45	0.00	0	0	0	100	0.00	0.0	2.671	0.046	0	0	0	0
PL.68106	PL.68109	C	#2 ACSR	7.29Y	121.5	0.00	3.45	0.00	0	0	0	100	0.00	0.0	2.716	0.046	0	0	0	0
PL.67505	PL.68106	C	#2 ACSR	7.29Y	121.5	0.00	3.45	0.00	0	0	0	100	0.00	0.0	2.744	0.028	0	0	0	0
PL.67882	PL.68106	C	#2 ACSR	7.29Y	121.5	0.00	3.45	0.00	0	0	0	100	0.00	0.0	2.763	0.047	0	0	0	0
PL.67506	PL.67882	C	#2 ACSR	7.29Y	121.5	0.00	3.45	0.00	0	0	0	100	0.00	0.0	2.814	0.051	0	0	0	0
PL.68241	PL.68140	A	#4 ACSR	7.30Y	121.6	0.01	3.37	7.54	6	53	13	97	0.00	0.0	2.207	0.021	0	0	0	36
PD.10221	PL.68241	A	30T	7.30Y	121.6	0.00	3.37	7.54	0	53	13	97	0.00	0.0	2.207	0.021	0	0	0	36
PL.68242	PD.10221	A	#4 ACSR	7.30Y	121.6	0.00	3.37	7.54	6	53	13	97	0.00	0.0	2.212	0.005	9	2	7	36
PL.68141	PL.68242	A	#4 ACSR	7.30Y	121.6	0.00	3.37	6.29	5	45	11	97	0.00	0.0	2.231	0.019	21	5	14	29
PL.68142	PL.68141	A	#4 ACSR	7.30Y	121.6	0.00	3.38	3.37	3	24	6	97	0.00	0.0	2.261	0.030	6	2	4	15
PL.68143	PL.68142	A	#4 ACSR	7.30Y	121.6	0.00	3.38	2.49	2	18	4	98	0.00	0.0	2.283	0.022	18	4	11	11
PL.68253	PL.67793	A	#2 ACSR	7.31Y	121.8	0.00	3.22	1.19	1	8	2	97	0.00	0.0	2.000	0.005	0	0	0	2
PD.10227	PL.68253	A	30T	7.31Y	121.8	0.00	3.22	1.19	0	8	2	97	0.00	0.0	2.000	0.005	0	0	0	2
PL.68254	PD.10227	A	#2 ACSR	7.31Y	121.8	0.00	3.22	1.19	1	8	2	97	0.00	0.0	2.038	0.037	8	2	2	2
PL.67791	PL.67790	ABC	336 MCM AC	7.34Y	122.4	0.04	2.63	203.38	39	4256	1404	95	0.98	0.0	1.252	0.028	0	0	0	724
PL.67492	PL.67791	ABC	336 MCM AC	7.33Y	122.2	0.12	2.75	184.41	36	3867	1244	95	2.32	0.1	1.333	0.081	26	6	6	702
PL.67878	PL.67492	ABC	336 MCM AC	7.33Y	122.2	0.06	2.81	179.19	35	3758	1193	95	1.10	0.0	1.374	0.041	11	3	3	695
PL.68227	PL.67878	C	#4 ACSR	7.33Y	122.2	0.00	2.81	0.00	0	0	0	100	0.00	0.0	1.379	0.005	0	0	0	0

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% 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.10214	PL.68227	C	65T	7.33Y	122.2	0.00	2.81	0.00	0	0	0	100	0.00	0.0	1.379	0.005	0	0	0	0
PL.68228	PD.10214	C	#4 ACSR	7.33Y	122.2	0.00	2.81	0.00	0	0	0	100	0.00	0.0	1.402	0.024	0	0	0	0
PL.68129	PL.67878	ABC	336 MCM AC	7.33Y	122.2	0.04	2.85	177.78	34	3727	1183	95	0.74	0.0	1.402	0.028	15	4	3	688
PL.68130	PL.68129	ABC	336 MCM AC	7.33Y	122.1	0.04	2.88	177.06	34	3711	1178	95	0.70	0.0	1.428	0.026	0	0	0	685
PL.67879	PL.68130	ABC	336 MCM AC	7.33Y	122.1	0.01	2.89	177.06	34	3710	1176	95	0.12	0.0	1.433	0.005	0	0	0	685
PL.72528	PL.67879	ABC	336 MCM AC	7.33Y	122.1	0.00	2.89	10.18	2	211	74	94	0.00	0.0	1.437	0.004	211	74	61	61
PL.67497	PL.67879	ABC	336 MCM AC	7.32Y	122.1	0.05	2.94	166.89	32	3499	1102	95	0.99	0.0	1.475	0.042	4	1	1	624
PL.68127	PL.67497	ABC	336 MCM AC	7.32Y	122.1	0.01	2.95	166.44	32	3488	1098	95	0.10	0.0	1.480	0.004	1	0	1	622
PL.68128	PL.68127	ABC	336 MCM AC	7.32Y	122.0	0.07	3.02	166.40	32	3487	1097	95	1.30	0.0	1.535	0.056	0	0	0	621
PL.67796	PL.68128	ABC	336 MCM AC	7.32Y	121.9	0.05	3.07	151.70	29	3191	956	96	0.77	0.0	1.575	0.040	0	0	0	613
PL.67515	PL.67796	ABC	#4 ACSR	7.32Y	121.9	0.01	3.07	3.83	3	78	31	93	0.00	0.0	1.617	0.042	0	0	0	4
PL.67516	PL.67515	B	#4 ACSR	7.32Y	121.9	0.00	3.07	2.85	2	20	5	97	0.00	0.0	1.623	0.006	20	5	2	2
PL.68121	PL.67515	ABC	#4 ACSR	7.32Y	121.9	0.00	3.08	2.89	2	58	26	91	0.00	0.0	1.658	0.041	7	2	1	2
PL.68122	PL.68121	ABC	#4 ACSR	7.32Y	121.9	0.00	3.08	2.55	2	50	24	90	0.00	0.0	1.659	0.002	50	24	1	1
PL.67797	PL.67796	ABC	336 MCM AC	7.31Y	121.8	0.11	3.17	147.89	28	3112	923	96	1.74	0.1	1.670	0.095	0	0	1	609
PL.67517	PL.67797	ABC	336 MCM AC	7.31Y	121.8	0.06	3.23	147.89	28	3110	919	96	0.94	0.0	1.721	0.051	12	3	1	608
PL.67523	PL.67517	ABC	#4 ACSR	7.31Y	121.8	0.01	3.24	11.16	9	237	60	97	0.02	0.0	1.752	0.030	37	9	16	46
PL.67524	PL.67523	A	#4 ACSR	7.31Y	121.8	0.00	3.24	15.01	12	107	26	97	0.00	0.0	1.756	0.004	0	0	0	21
PD.10212	PL.67524	A	65T	7.31Y	121.8	0.00	3.24	15.01	0	107	26	97	0.00	0.0	1.756	0.004	0	0	0	21
PL.68123	PD.10212	A	#4 ACSR	7.30Y	121.7	0.01	3.25	15.01	12	107	26	97	0.01	0.0	1.772	0.017	36	9	10	21
PL.68124	PL.68123	A	#4 ACSR	7.30Y	121.7	0.02	3.27	9.98	8	71	17	97	0.01	0.0	1.818	0.046	16	4	8	11
PL.67525	PL.68124	A	#1/0 ACSR	7.30Y	121.7	0.01	3.28	7.69	3	55	13	97	0.00	0.0	1.884	0.066	0	0	0	3
PL.67528	PL.67525	A	#1/0 ACSR	7.30Y	121.7	0.00	3.29	2.39	1	17	4	97	0.00	0.0	1.930	0.046	0	0	0	2
PL.67529	PL.67528	A	#4 ACSR	7.30Y	121.7	0.00	3.29	0.00	0	0	0	100	0.00	0.0	1.949	0.019	0	0	0	0
PL.67876	PL.67528	A	#1/0 ACSR	7.30Y	121.7	0.00	3.29	2.39	1	17	4	97	0.00	0.0	1.967	0.037	0	0	0	2
PL.67530	PL.67876	A	#1/0 ACSR	7.30Y	121.7	0.00	3.29	1.38	1	10	2	98	0.00	0.0	1.984	0.017	10	2	1	1
PL.67877	PL.67876	A	#1/0 ACSR	7.30Y	121.7	0.00	3.29	1.01	0	7	2	96	0.00	0.0	2.040	0.073	0	0	0	1
PL.67531	PL.67877	A	#1/0 ACSR	7.30Y	121.7	0.00	3.29	1.01	0	7	2	96	0.00	0.0	2.048	0.009	7	2	1	1
PL.67527	PL.67525	A	#1/0 ACSR	7.30Y	121.7	0.00	3.29	5.30	2	38	9	97	0.00	0.0	1.911	0.027	38	9	1	1
PL.67846	PL.67523	ABC	#4 ACSR	7.30Y	121.7	0.01	3.25	4.44	3	94	25	97	0.01	0.0	1.839	0.087	55	13	3	9
PL.67526	PL.67846	ABC	#4 ACSR	7.30Y	121.7	0.00	3.25	1.86	1	39	12	96	0.00	0.0	1.843	0.004	0	0	0	6

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

Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.68120	PL.67526	ABC	#4 ACSR	7.30Y	121.7	0.00	3.25	1.75	1	37	11	96	0.00	0.0	1.874	0.030	27	6	1	2
PL.68119	PL.68120	ABC	#4 ACSR	7.30Y	121.7	0.00	3.25	0.51	0	10	5	89	0.00	0.0	1.899	0.025	10	5	1	1
PL.68223	PL.67526	A	#4 ACSR	7.30Y	121.7	0.00	3.25	0.30	0	2	1	89	0.00	0.0	1.848	0.005	0	0	0	4
PD.10211	PL.68223	A	65T	7.30Y	121.7	0.00	3.25	0.30	0	2	1	89	0.00	0.0	1.848	0.005	0	0	0	4
PL.68224	PD.10211	A	#4 ACSR	7.30Y	121.7	0.00	3.25	0.30	0	2	1	89	0.00	0.0	1.907	0.059	2	0	1	4
PL.68115	PL.68224	A	#1/0 ACSR	7.30Y	121.7	0.00	3.25	0.02	0	0	0	100	0.00	0.0	2.017	0.110	0	0	1	3
PL.68116	PL.68115	A	#1/0 ACSR	7.30Y	121.7	0.00	3.25	0.02	0	0	0	100	0.00	0.0	2.094	0.077	0	0	1	2
PL.68114	PL.68116	A	#1/0 ACSR	7.30Y	121.7	0.00	3.25	0.01	0	0	0	100	0.00	0.0	2.134	0.040	0	0	1	1
PL.68305	PL.67517	ABC	336 MCM AC	7.30Y	121.7	0.03	3.26	136.17	26	2860	854	96	0.47	0.0	1.752	0.030	0	0	0	561
PD.10254-A	PL.68305	ABC	Closed	7.30Y	121.7	0.00	3.26	136.17	0	2859	853	96	0.00	0.0	1.752	0.030	0	0	0	561
PD.10254-B	PD.10254-A	ABC	Closed	7.30Y	121.7	0.00	3.26	136.17	0	2859	853	96	0.00	0.0	1.752	0.030	0	0	0	561
PL.68306	PD.10254-B	ABC	336 MCM AC	7.30Y	121.7	0.02	3.29	136.17	26	2859	853	96	0.37	0.0	1.775	0.024	0	0	0	561
PL.68222	PL.68306	ABC	336 MCM AC	7.30Y	121.7	0.00	3.29	136.17	26	2859	852	96	0.07	0.0	1.780	0.004	0	0	0	561
PL.68220	PL.68222	A	#1/0 ACSR	7.30Y	121.7	0.00	3.29	3.66	2	26	6	97	0.00	0.0	1.784	0.005	0	0	0	2
PD.10210	PL.68220	A	65T	7.30Y	121.7	0.00	3.29	3.66	0	26	6	97	0.00	0.0	1.784	0.005	0	0	0	2
PL.68221	PD.10210	A	#1/0 ACSR	7.30Y	121.7	0.00	3.29	3.66	2	26	6	97	0.00	0.0	1.807	0.022	26	6	2	2
PL.68117	PL.68222	ABC	336 MCM AC	7.30Y	121.6	0.07	3.36	134.96	26	2833	846	96	1.09	0.0	1.851	0.071	10	2	1	559
PL.68118	PL.68117	ABC	336 MCM AC	7.29Y	121.5	0.09	3.45	134.51	26	2822	841	96	1.29	0.0	1.935	0.085	0	0	0	558
PL.68218	PL.68118	C	#4 ACSR	7.29Y	121.5	0.00	3.45	1.70	1	12	3	97	0.00	0.0	1.940	0.005	0	0	0	3
PD.10209	PL.68218	C	65T	7.29Y	121.5	0.00	3.45	1.70	0	12	3	97	0.00	0.0	1.940	0.005	0	0	0	3
PL.68219	PD.10209	C	#4 ACSR	7.29Y	121.5	0.00	3.45	1.70	1	12	3	97	0.00	0.0	1.952	0.012	12	3	3	3
PL.67798	PL.68118	ABC	336 MCM AC	7.29Y	121.4	0.11	3.56	133.94	26	2809	835	96	1.63	0.1	2.043	0.108	0	0	0	555
PL.68210	PL.67798	C	#4 ACSR	7.29Y	121.4	0.00	3.56	2.01	2	14	3	98	0.00	0.0	2.048	0.005	0	0	0	5
PD.10205	PL.68210	C	65T	7.29Y	121.4	0.00	3.56	2.01	0	14	3	98	0.00	0.0	2.048	0.005	0	0	0	5
PL.68211	PD.10205	C	#4 ACSR	7.29Y	121.4	0.00	3.57	2.01	2	14	3	98	0.00	0.0	2.117	0.069	6	1	4	5
PL.68090	PL.68211	C	#4 ACSR	7.29Y	121.4	0.00	3.57	1.21	1	9	2	98	0.00	0.0	2.146	0.029	0	0	0	1
PL.67532	PL.68090	C	6 A (CWC)	7.29Y	121.4	0.00	3.57	1.21	1	9	2	98	0.00	0.0	2.195	0.049	9	2	1	1
PL.67799	PL.67798	ABC	336 MCM AC	7.28Y	121.4	0.08	3.64	133.27	26	2793	828	96	1.17	0.0	2.121	0.078	0	0	0	550
PL.67854	PL.67799	ABC	336 MCM AC	7.27Y	121.2	0.15	3.79	133.27	26	2792	825	96	2.22	0.1	2.270	0.148	0	0	0	550
PL.68099	PL.67854	ABC	336 MCM AC	7.27Y	121.1	0.09	3.88	133.27	26	2790	820	96	1.32	0.0	2.358	0.089	2	0	1	550
PL.68100	PL.68099	ABC	336 MCM AC	7.26Y	120.9	0.19	4.07	133.18	26	2786	817	96	2.81	0.1	2.546	0.188	0	0	0	549

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.67800	PL.68100	ABC	336 MCM AC	7.25Y	120.9	0.04	4.11	132.94	26	2779	809	96	0.63	0.0	2.589	0.043	0	0	0	548
PL.68257	PL.67800	A	#4 ACSR	7.25Y	120.9	0.00	4.11	0.11	0	1	0	100	0.00	0.0	2.594	0.005	0	0	0	2
PD.10229	PL.68257	A	65T	7.25Y	120.9	0.00	4.11	0.11	0	1	0	100	0.00	0.0	2.594	0.005	0	0	0	2
PL.68258	PD.10229	A	#4 ACSR	7.25Y	120.9	0.00	4.11	0.11	0	1	0	100	0.00	0.0	2.638	0.044	1	0	2	2
PL.72931	PL.67800	ABC	336 MCM AC	7.25Y	120.8	0.06	4.17	132.90	26	2777	807	96	0.93	0.0	2.652	0.063	0	0	0	546
PL.72933	PL.72931	A	#1/0 ACSR	7.25Y	120.8	0.00	4.17	0.24	0	2	0	100	0.00	0.0	2.656	0.005	0	0	0	1
PD.10801	PL.72933	A	20	7.25Y	120.8	0.00	4.17	0.24	1	2	0	100	0.00	0.0	2.656	0.005	0	0	0	1
PL.72934	PD.10801	A	#1/0 ACSR	7.25Y	120.8	0.00	4.17	0.24	0	2	0	100	0.00	0.0	2.725	0.069	0	0	0	1
PL.72935	PL.72934	A	#1/0 ACSR	7.25Y	120.8	0.00	4.17	0.24	0	2	0	100	0.00	0.0	2.760	0.035	2	0	1	1
PL.72932	PL.72931	ABC	336 MCM AC	7.25Y	120.8	0.02	4.19	132.82	26	2774	804	96	0.32	0.0	2.673	0.022	0	0	0	545
PL.68212	PL.72932	A	#4 ACSR	7.25Y	120.8	0.00	4.20	4.47	3	31	8	97	0.00	0.0	2.678	0.005	0	0	0	7
PD.10206	PL.68212	A	65T	7.25Y	120.8	0.00	4.20	4.47	0	31	8	97	0.00	0.0	2.678	0.005	0	0	0	7
PL.68213	PD.10206	A	#4 ACSR	7.25Y	120.8	0.00	4.20	4.47	3	31	8	97	0.00	0.0	2.698	0.020	11	3	1	7
PL.68094	PL.68213	A	#4 ACSR	7.25Y	120.8	0.00	4.20	2.91	2	20	5	97	0.00	0.0	2.744	0.045	8	2	3	6
PL.67533	PL.68094	A	#4 ACSR	7.25Y	120.8	0.00	4.21	1.74	1	12	3	97	0.00	0.0	2.784	0.040	12	3	2	3
PL.67534	PL.67533	A	#4 ACSR	7.25Y	120.8	0.00	4.21	0.07	0	0	0	100	0.00	0.0	2.823	0.039	0	0	1	1
PL.68325	PL.72932	ABC	336 MCM AC	7.25Y	120.8	0.04	4.23	131.34	25	2743	796	96	0.55	0.0	2.711	0.038	0	0	0	538
PL.68326	PL.68325	ABC	336 MCM AC	7.24Y	120.7	0.06	4.29	131.34	25	2742	795	96	0.84	0.0	2.769	0.058	0	0	0	538
PL.67535	PL.68326	ABC	336 MCM AC	7.24Y	120.6	0.12	4.41	131.34	25	2741	793	96	1.71	0.1	2.886	0.117	0	0	0	538
PL.67802	PL.67535	ABC	336 MCM AC	7.23Y	120.5	0.06	4.47	114.73	22	2389	702	96	0.82	0.0	2.960	0.074	0	0	0	445
RG.64	PL.67802	ABC	167Kkva	7.47Y	124.4	-3.89	0.58	114.73	52	2388	701	96	percent Boost= 3.12		Tap= 5.0					445
PL.67805	RG.64	ABC	336 MCM AC	7.47Y	124.4	0.00	0.58	111.14	21	2388	701	96	0.01	0.0	2.961	0.001	0	0	0	445
PL.67558	PL.67805	ABC	336 MCM AC	7.46Y	124.4	0.05	0.63	110.66	21	2378	698	96	0.60	0.0	3.020	0.059	0	0	0	443
PL.67942	PL.67558	B	6 A (CWC)	7.46Y	124.4	0.00	0.64	21.21	15	154	37	97	0.01	0.0	3.025	0.005	0	0	0	30
PD.10180	PL.67942	B	65T	7.46Y	124.4	0.00	0.64	21.21	0	154	37	97	0.00	0.0	3.025	0.005	0	0	0	30
PL.67943	PD.10180	B	6 A (CWC)	7.46Y	124.3	0.03	0.66	21.21	15	154	37	97	0.03	0.0	3.054	0.030	5	1	1	30
PL.67731	PL.67943	B	6 A (CWC)	7.46Y	124.3	0.04	0.70	20.45	15	148	36	97	0.04	0.0	3.097	0.042	6	1	1	29
PL.67806	PL.67731	B	6 A (CWC)	7.46Y	124.3	0.02	0.72	16.24	12	118	28	97	0.02	0.0	3.126	0.030	0	0	0	25
PL.67734	PL.67806	B	6 A (CWC)	7.46Y	124.3	0.02	0.74	15.13	11	110	26	97	0.02	0.0	3.155	0.029	0	0	0	24
PL.67735	PL.67734	B	6 A (CWC)	7.45Y	124.2	0.04	0.78	15.13	11	110	26	97	0.03	0.0	3.215	0.060	0	0	0	24
PL.68173	PL.67735	B	6 A (CWC)	7.45Y	124.2	0.00	0.79	3.72	3	27	6	98	0.00	0.0	3.242	0.027	14	3	3	6

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.68174	PL.68173	B	6 A (CWC)	7.45Y	124.2	0.00	0.79	1.74	1	13	3	97	0.00	0.0	3.290	0.048	13	3	3	3
PL.67566	PL.67735	B	6 A (CWC)	7.45Y	124.2	0.00	0.79	0.88	1	6	2	95	0.00	0.0	3.350	0.135	6	2	1	1
PL.67567	PL.67735	B	6 A (CWC)	7.45Y	124.2	0.02	0.80	10.53	8	76	18	97	0.01	0.0	3.254	0.039	0	0	1	17
PL.67568	PL.67567	B	6 A (CWC)	7.45Y	124.2	0.02	0.82	10.46	7	76	18	97	0.01	0.0	3.292	0.039	8	2	2	16
PL.67888	PL.67568	B	6 A (CWC)	7.45Y	124.2	0.02	0.84	6.49	5	47	11	97	0.01	0.0	3.365	0.073	10	2	2	10
PL.67570	PL.67888	B	6 A (CWC)	7.45Y	124.2	0.00	0.84	1.02	1	7	2	96	0.00	0.0	3.430	0.065	7	2	1	1
PL.67571	PL.67570	B	#2 ACSR	7.45Y	124.2	0.00	0.84	0.00	0	0	0	100	0.00	0.0	3.448	0.018	0	0	0	0
PL.67889	PL.67888	B	6 A (CWC)	7.45Y	124.1	0.01	0.85	4.08	3	30	7	97	0.00	0.0	3.448	0.082	7	2	1	7
PL.68095	PL.67889	B	#4 ACSR	7.45Y	124.1	0.00	0.85	1.19	1	9	2	98	0.00	0.0	3.472	0.024	9	2	3	3
PL.68096	PL.68095	B	#4 ACSR	7.45Y	124.1	0.00	0.85	0.00	0	0	0	100	0.00	0.0	3.498	0.026	0	0	0	0
PL.68097	PL.67889	B	6 A (CWC)	7.45Y	124.1	0.00	0.86	1.98	1	14	3	98	0.00	0.0	3.478	0.030	4	1	1	3
PL.68098	PL.68097	B	6 A (CWC)	7.45Y	124.1	0.00	0.86	1.38	1	10	2	98	0.00	0.0	3.521	0.043	0	0	0	2
PL.67573	PL.68098	B	6 A (CWC)	7.45Y	124.1	0.00	0.86	0.06	0	0	0	100	0.00	0.0	3.581	0.060	0	0	1	1
PL.67574	PL.67573	B	6 A (CWC)	7.45Y	124.1	0.00	0.86	0.00	0	0	0	100	0.00	0.0	3.632	0.051	0	0	0	0
PL.67572	PL.68098	B	6 A (CWC)	7.45Y	124.1	0.00	0.86	1.32	1	10	2	98	0.00	0.0	3.567	0.046	10	2	1	1
PL.67569	PL.67568	B	#4 ACSR	7.45Y	124.2	0.00	0.82	2.92	2	21	5	97	0.00	0.0	3.321	0.029	21	5	4	4
PL.67559	PL.67806	B	#1/0 ACSR	7.46Y	124.3	0.00	0.72	1.11	0	8	2	97	0.00	0.0	3.153	0.026	8	2	1	1
PL.67732	PL.67731	B	#1/0 ACSR	7.46Y	124.3	0.00	0.70	2.57	1	19	4	98	0.00	0.0	3.119	0.023	5	1	1	2
PL.67733	PL.67732	B	#1/0 ACSR	7.46Y	124.3	0.00	0.70	1.94	1	14	3	98	0.00	0.0	3.148	0.029	14	3	1	1
PL.67560	PL.67731	B	#1/0 ACSR	7.46Y	124.3	0.00	0.70	0.88	0	6	2	95	0.00	0.0	3.121	0.025	6	2	1	1
PL.68265	PL.67558	A	#4 ACSR	7.46Y	124.4	0.00	0.63	0.87	1	6	2	95	0.00	0.0	3.025	0.005	0	0	0	2
PD.10232	PL.68265	A	65T	7.46Y	124.4	0.00	0.63	0.87	0	6	2	95	0.00	0.0	3.025	0.005	0	0	0	2
PL.68266	PD.10232	A	#4 ACSR	7.46Y	124.4	0.00	0.63	0.87	1	6	2	95	0.00	0.0	3.092	0.067	0	0	1	2
PL.67730	PL.68266	A	#4 ACSR	7.46Y	124.4	0.00	0.63	0.87	1	6	2	95	0.00	0.0	3.121	0.029	6	2	1	1
PL.68263	PL.67558	ABC	336 MCM AC	7.46Y	124.4	0.00	0.63	103.31	20	2217	658	96	0.04	0.0	3.024	0.004	0	0	0	411
PL.68264	PL.68263	ABC	336 MCM AC	7.46Y	124.3	0.05	0.69	103.31	20	2217	658	96	0.62	0.0	3.093	0.069	0	0	0	411
PL.67940	PL.68264	C	#4 ACSR	7.46Y	124.3	0.00	0.69	0.61	0	4	1	97	0.00	0.0	3.098	0.005	0	0	0	1
PD.10179	PL.67940	C	65T	7.46Y	124.3	0.00	0.69	0.61	0	4	1	97	0.00	0.0	3.098	0.005	0	0	0	1
PL.67941	PD.10179	C	#4 ACSR	7.46Y	124.3	0.00	0.69	0.61	0	4	1	97	0.00	0.0	3.154	0.056	4	1	1	1
PL.67807	PL.68264	ABC	336 MCM AC	7.46Y	124.3	0.02	0.71	103.11	20	2212	655	96	0.24	0.0	3.120	0.027	8	2	2	410
PL.67561	PL.67807	ABC	336 MCM AC	7.46Y	124.3	0.03	0.74	102.74	20	2204	653	96	0.33	0.0	3.158	0.037	7	2	1	408

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.68269	PL.67561	A	#4 ACSR	7.46Y	124.3	0.00	0.74	11.58	9	84	20	97	0.00	0.0	3.162	0.005	0	0	0	24
PD.10234	PL.68269	A	65T	7.46Y	124.3	0.00	0.74	11.58	0	84	20	97	0.00	0.0	3.162	0.005	0	0	0	24
PL.68270	PD.10234	A	#4 ACSR	7.45Y	124.2	0.06	0.80	11.58	9	84	20	97	0.04	0.0	3.274	0.112	0	0	1	24
PL.67578	PL.68270	A	#4 ACSR	7.45Y	124.2	0.00	0.80	2.66	2	19	5	97	0.00	0.0	3.336	0.061	19	5	5	5
PL.67579	PL.68270	A	#4 ACSR	7.45Y	124.2	0.02	0.82	8.93	7	65	16	97	0.01	0.0	3.316	0.042	0	0	0	18
PL.67581	PL.67579	A	#4 ACSR	7.45Y	124.2	0.02	0.84	7.33	6	53	13	97	0.01	0.0	3.392	0.076	0	0	0	13
PL.67580	PL.67581	A	#1/0 ACSR	7.45Y	124.2	0.00	0.84	0.12	0	1	0	100	0.00	0.0	3.459	0.066	1	0	1	1
PL.68043	PL.67581	A	#4 ACSR	7.45Y	124.2	0.01	0.85	7.21	6	52	13	97	0.00	0.0	3.424	0.031	7	2	1	12
PL.68044	PL.68043	A	#4 ACSR	7.45Y	124.1	0.02	0.87	6.29	5	46	11	97	0.01	0.0	3.499	0.075	0	0	0	11
PL.68039	PL.68044	A	#4 ACSR	7.45Y	124.1	0.01	0.88	6.29	5	46	11	97	0.00	0.0	3.530	0.032	10	3	2	11
PL.68040	PL.68039	A	#4 ACSR	7.45Y	124.1	0.02	0.90	4.86	4	35	8	97	0.01	0.0	3.632	0.102	0	0	0	9
PL.67583	PL.68040	A	#4 ACSR	7.45Y	124.1	0.00	0.90	1.67	1	12	3	97	0.00	0.0	3.659	0.027	12	3	1	1
PL.67585	PL.68040	A	#1/0 ACSR	7.45Y	124.1	0.00	0.90	3.19	1	23	6	97	0.00	0.0	3.656	0.023	4	1	1	8
PL.67809	PL.67585	A	#1/0 ACSR	7.45Y	124.1	0.00	0.90	0.00	0	0	0	100	0.00	0.0	3.675	0.019	0	0	0	0
PL.67586	PL.67585	A	#1/0 ACSR	7.45Y	124.1	0.00	0.90	2.57	1	19	4	98	0.00	0.0	3.704	0.048	0	0	0	7
PL.67584	PL.67586	A	#1/0 ACSR	7.45Y	124.1	0.00	0.90	1.36	1	10	2	98	0.00	0.0	3.726	0.022	4	1	1	4
PL.67810	PL.67584	A	#1/0 ACSR	7.45Y	124.1	0.00	0.91	0.76	0	6	1	99	0.00	0.0	3.788	0.062	0	0	1	3
PL.67582	PL.67810	A	#1/0 ACSR	7.45Y	124.1	0.00	0.91	0.76	0	5	1	98	0.00	0.0	3.831	0.043	5	1	2	2
PL.68041	PL.67586	A	#1/0 ACSR	7.45Y	124.1	0.00	0.90	1.21	1	9	2	98	0.00	0.0	3.734	0.030	5	1	1	3
PL.68042	PL.68041	A	#1/0 ACSR	7.45Y	124.1	0.00	0.91	0.53	0	4	1	97	0.00	0.0	3.883	0.149	4	1	2	2
PL.67808	PL.67579	A	#4 ACSR	7.45Y	124.2	0.01	0.82	1.60	1	12	3	97	0.00	0.0	3.419	0.103	4	1	2	5
PL.67575	PL.67808	A	#4 ACSR	7.45Y	124.2	0.00	0.82	0.93	1	7	2	96	0.00	0.0	3.446	0.027	7	2	2	2
PL.67576	PL.67808	A	#1/0 ACSR	7.45Y	124.2	0.00	0.82	0.15	0	1	0	100	0.00	0.0	3.468	0.049	1	0	1	1
PL.67562	PL.67561	ABC	336 MCM AC	7.45Y	124.2	0.07	0.81	97.82	19	2096	626	96	0.76	0.0	3.252	0.094	0	0	0	381
PL.67938	PL.67562	A	#4 ACSR	7.45Y	124.2	0.00	0.81	4.13	3	30	7	97	0.00	0.0	3.257	0.005	0	0	0	4
PD.10178	PL.67938	A	65T	7.45Y	124.2	0.00	0.81	4.13	0	30	7	97	0.00	0.0	3.257	0.005	0	0	0	4
PL.67939	PD.10178	A	#4 ACSR	7.45Y	124.2	0.00	0.82	4.13	3	30	7	97	0.00	0.0	3.310	0.053	30	7	4	4
PL.67811	PL.67562	ABC	336 MCM AC	7.45Y	124.2	0.04	0.84	96.45	19	2066	617	96	0.38	0.0	3.300	0.048	0	0	0	377
PL.68011	PL.67811	ABC	336 MCM AC	7.45Y	124.1	0.05	0.89	96.45	19	2065	616	96	0.53	0.0	3.368	0.068	8	2	2	377
PL.68012	PL.68011	ABC	336 MCM AC	7.44Y	124.1	0.02	0.92	96.06	19	2056	613	96	0.24	0.0	3.399	0.031	0	0	0	375
PL.68303	PL.68012	ABC	336 MCM AC	7.44Y	124.1	0.03	0.95	94.16	18	2015	602	96	0.33	0.0	3.444	0.044	0	0	0	368

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: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% 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.10253-A	PL.68303	ABC	Closed	7.44Y	124.1	0.00	0.95	94.16	0	2015	602	96	0.00	0.0	3.444	0.044	0	0	0	368
PD.10253-B	PD.10253-A	ABC	Closed	7.44Y	124.1	0.00	0.95	94.16	0	2015	602	96	0.00	0.0	3.444	0.044	0	0	0	368
PL.68304	PD.10253-B	ABC	336 MCM AC	7.44Y	124.0	0.02	0.97	94.16	18	2015	602	96	0.22	0.0	3.473	0.029	0	0	0	368
PL.68007	PL.68304	ABC	336 MCM AC	7.44Y	124.0	0.03	1.00	93.75	18	2005	599	96	0.27	0.0	3.509	0.037	0	0	1	366
PL.68008	PL.68007	ABC	336 MCM AC	7.44Y	124.0	0.02	1.01	93.75	18	2005	598	96	0.16	0.0	3.531	0.022	0	0	0	365
PL.67812	PL.68008	ABC	336 MCM AC	7.44Y	124.0	0.04	1.05	91.84	18	1966	581	96	0.38	0.0	3.584	0.053	0	0	0	362
PL.67590	PL.67812	ABC	#1/0 ACSR	7.44Y	124.0	0.00	1.05	1.07	0	21	10	90	0.00	0.0	3.638	0.054	21	10	1	1
PL.67813	PL.67812	ABC	336 MCM AC	7.44Y	123.9	0.02	1.07	90.79	17	1944	570	96	0.21	0.0	3.615	0.030	0	0	0	361
PL.67814	PL.67813	ABC	336 MCM AC	7.43Y	123.9	0.04	1.11	90.09	17	1928	566	96	0.37	0.0	3.669	0.054	0	0	0	359
PL.67886	PL.67814	ABC	#1/0 ACSR	7.43Y	123.9	0.02	1.12	36.61	16	768	276	94	0.09	0.0	3.694	0.025	0	0	0	98
PL.67887	PL.67886	ABC	#1/0 ACSR	7.43Y	123.9	0.02	1.15	25.91	11	552	172	95	0.08	0.0	3.741	0.047	2	1	1	95
PL.67595	PL.67887	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.15	0.04	0	1	0	100	0.00	0.0	3.769	0.028	1	0	1	1
PL.67835	PL.67887	ABC	#1/0 ACSR	7.43Y	123.8	0.03	1.18	25.77	11	548	171	95	0.13	0.0	3.814	0.073	0	0	0	93
PL.67931	PL.67835	ABC	#1/0 ACSR	7.43Y	123.8	0.02	1.20	25.77	11	548	171	95	0.09	0.0	3.865	0.051	8	2	1	93
PL.67932	PL.67931	ABC	#1/0 ACSR	7.43Y	123.8	0.02	1.22	25.41	11	541	169	95	0.07	0.0	3.904	0.039	0	0	0	92
PL.67596	PL.67932	ABC	#1/0 ACSR	7.43Y	123.8	0.00	1.23	25.41	11	540	169	95	0.01	0.0	3.911	0.007	15	4	1	92
PL.67933	PL.67596	ABC	#1/0 ACSR	7.43Y	123.8	0.00	1.23	8.48	4	171	79	91	0.00	0.0	3.922	0.010	6	2	2	6
PL.67934	PL.67933	ABC	#1/0 ACSR	7.43Y	123.8	0.01	1.23	8.18	4	165	77	91	0.01	0.0	3.963	0.042	0	0	0	4
PL.67885	PL.67934	ABC	#1/0 ACSR	7.43Y	123.8	0.01	1.24	7.73	3	155	75	90	0.01	0.0	4.023	0.060	0	0	0	2
PL.67597	PL.67885	A	#1/0 ACSR	7.43Y	123.8	0.00	1.24	0.00	0	0	0	100	0.00	0.0	4.026	0.003	0	0	1	1
PL.68291	PL.67885	ABC	1/0 AL URD	7.43Y	123.8	0.00	1.24	7.73	5	155	75	90	0.00	0.0	4.028	0.005	0	0	0	1
PD.10246	PL.68291	ABC	65T	7.43Y	123.8	0.00	1.24	7.73	0	155	75	90	0.00	0.0	4.028	0.005	0	0	0	1
PL.68292	PD.10246	ABC	1/0 AL URD	7.43Y	123.8	0.00	1.25	7.73	5	155	75	90	0.00	0.0	4.059	0.031	155	75	1	1
PL.68196	PL.67934	A	#4 ACSR	7.43Y	123.8	0.00	1.23	1.40	1	10	2	98	0.00	0.0	3.968	0.005	0	0	0	2
PD.10172	PL.68196	A	65T	7.43Y	123.8	0.00	1.23	1.40	0	10	2	98	0.00	0.0	3.968	0.005	0	0	0	2
PL.68197	PD.10172	A	#4 ACSR	7.43Y	123.8	0.00	1.24	1.40	1	10	2	98	0.00	0.0	4.014	0.046	10	2	2	2
PL.67836	PL.67596	ABC	#1/0 ACSR	7.42Y	123.7	0.03	1.26	16.37	7	354	86	97	0.08	0.0	4.025	0.113	0	0	2	85
PL.68271	PL.67836	A	#1/0 ACSR	7.42Y	123.7	0.00	1.26	1.03	0	7	2	96	0.00	0.0	4.029	0.005	0	0	0	1
PD.10235	PL.68271	A	65T	7.42Y	123.7	0.00	1.26	1.03	0	7	2	96	0.00	0.0	4.029	0.005	0	0	0	1
PL.68272	PD.10235	A	#1/0 ACSR	7.42Y	123.7	0.00	1.26	1.03	0	7	2	96	0.00	0.0	4.063	0.034	7	2	1	1
PL.67598	PL.67836	C	#1/0 ACSR	7.42Y	123.7	0.01	1.27	28.85	13	208	51	97	0.01	0.0	4.039	0.015	0	0	0	52

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.68311	PL.67598	C	6 A (CWC)	7.42Y	123.7	0.00	1.27	28.85	21	208	51	97	0.01	0.0	4.042	0.003	0	0	0	52
PD.10257	PL.68311	C	50L	7.42Y	123.7	0.00	1.27	28.85	58	208	51	97	0.00	0.0	4.042	0.003	0	0	0	52
PL.68312	PD.10257	C	6 A (CWC)	7.42Y	123.6	0.11	1.38	28.85	21	208	51	97	0.17	0.1	4.125	0.083	0	0	0	52
PL.67599	PL.68312	C	#1/0 ACSR	7.42Y	123.6	0.00	1.38	0.83	0	6	1	99	0.00	0.0	4.161	0.036	6	1	1	1
PL.67928	PL.68312	C	6 A (CWC)	7.41Y	123.5	0.12	1.50	28.03	20	202	49	97	0.17	0.1	4.219	0.094	8	2	1	51
PL.67929	PL.67928	C	6 A (CWC)	7.40Y	123.4	0.13	1.63	26.93	19	194	47	97	0.18	0.1	4.329	0.110	11	3	3	50
PL.67602	PL.67929	C	#4 ACSR	7.40Y	123.4	0.00	1.63	1.27	1	9	2	98	0.00	0.0	4.371	0.042	9	2	1	1
PL.67601	PL.67929	C	6 A (CWC)	7.39Y	123.2	0.17	1.80	24.17	17	174	42	97	0.22	0.1	4.488	0.159	6	1	1	46
PL.67859	PL.67601	C	#4 ACSR	7.39Y	123.2	0.01	1.81	1.67	1	12	3	97	0.00	0.0	4.609	0.121	0	0	0	4
PL.67925	PL.67859	C	#4 ACSR	7.39Y	123.2	0.01	1.81	1.67	1	12	3	97	0.00	0.0	4.712	0.104	5	1	2	4
PL.67924	PL.67925	C	#4 ACSR	7.39Y	123.2	0.00	1.81	0.97	1	7	2	96	0.00	0.0	4.768	0.055	7	2	2	2
PL.67922	PL.67601	C	6 A (CWC)	7.39Y	123.2	0.05	1.84	11.46	8	82	20	97	0.03	0.0	4.580	0.093	7	2	2	19
PL.67923	PL.67922	C	6 A (CWC)	7.39Y	123.1	0.05	1.90	10.44	7	75	18	97	0.03	0.0	4.693	0.113	0	0	1	17
PL.67605	PL.67923	C	#4 ACSR	7.39Y	123.1	0.00	1.90	0.92	1	7	2	96	0.00	0.0	4.721	0.028	7	2	2	2
PL.67839	PL.67923	C	6 A (CWC)	7.38Y	123.1	0.03	1.93	9.46	7	68	16	97	0.01	0.0	4.768	0.075	17	4	2	14
PL.67920	PL.67839	C	6 A (CWC)	7.38Y	123.0	0.03	1.95	7.11	5	51	12	97	0.01	0.0	4.858	0.090	9	2	3	12
PL.67921	PL.67920	C	6 A (CWC)	7.38Y	123.0	0.02	1.97	5.82	4	42	10	97	0.01	0.0	4.944	0.086	0	0	0	9
PL.67606	PL.67921	C	#1/0 ACSR	7.38Y	123.0	0.00	1.98	1.05	0	8	2	97	0.00	0.0	5.062	0.119	8	2	2	2
PL.67840	PL.67921	C	6 A (CWC)	7.38Y	123.0	0.01	1.99	4.77	3	34	8	97	0.00	0.0	5.011	0.067	6	1	1	7
PL.67607	PL.67840	C	6 A (CWC)	7.38Y	123.0	0.01	2.00	3.93	3	28	7	97	0.00	0.0	5.094	0.084	4	1	1	6
PL.67841	PL.67607	C	6 A (CWC)	7.38Y	123.0	0.01	2.01	2.41	2	17	4	97	0.00	0.0	5.160	0.066	0	0	0	4
PL.67611	PL.67841	C	6 A (CWC)	7.38Y	123.0	0.00	2.01	0.00	0	0	0	100	0.00	0.0	5.172	0.011	0	0	0	0
PL.67612	PL.67841	C	6 A (CWC)	7.38Y	123.0	0.02	2.02	2.41	2	17	4	97	0.00	0.0	5.299	0.139	0	0	1	4
PL.67842	PL.67612	C	6 A (CWC)	7.38Y	123.0	0.01	2.03	1.30	1	9	2	98	0.00	0.0	5.484	0.185	0	0	0	2
PL.67864	PL.67842	C	6 A (CWC)	7.38Y	123.0	0.01	2.04	1.30	1	9	2	98	0.00	0.0	5.630	0.146	0	0	0	2
PL.67865	PL.67864	C	6 A (CWC)	7.38Y	122.9	0.01	2.05	1.30	1	9	2	98	0.00	0.0	5.790	0.160	2	1	1	2
PL.67613	PL.67865	C	#1/0 ACSR	7.38Y	122.9	0.00	2.05	0.98	0	7	2	96	0.00	0.0	5.861	0.071	7	2	1	1
PL.67614	PL.67612	C	#1/0 ACSR	7.38Y	123.0	0.00	2.03	1.08	0	8	2	97	0.00	0.0	5.463	0.164	8	2	1	1
PL.67608	PL.67607	C	6 A (CWC)	7.38Y	123.0	0.00	2.00	1.01	1	7	2	96	0.00	0.0	5.175	0.081	7	2	1	1
PL.67603	PL.67601	C	#4 ACSR	7.39Y	123.2	0.03	1.83	10.22	8	73	18	97	0.01	0.0	4.553	0.065	11	3	6	22
PL.67604	PL.67603	C	#1/0 ACSR	7.39Y	123.1	0.03	1.86	8.75	4	63	15	97	0.01	0.0	4.705	0.152	0	0	0	16

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.67615	PL.67604	C	#1/0 ACSR	7.39Y	123.1	0.03	1.89	8.75	4	63	15	97	0.01	0.0	4.869	0.164	0	0	0	16
PL.67617	PL.67615	C	#1/0 ACSR	7.39Y	123.1	0.02	1.90	7.49	3	54	13	97	0.01	0.0	4.962	0.094	0	0	0	15
PL.67618	PL.67617	C	#1/0 ACSR	7.39Y	123.1	0.00	1.91	0.97	0	7	2	96	0.00	0.0	5.033	0.071	7	2	1	1
PL.67837	PL.67617	C	#1/0 ACSR	7.39Y	123.1	0.01	1.92	6.52	3	47	11	97	0.00	0.0	5.036	0.073	0	0	0	14
PL.67860	PL.67837	C	#4 ACSR 6/	7.38Y	123.1	0.00	1.92	1.31	1	9	2	98	0.00	0.0	5.114	0.079	0	0	0	1
PL.67619	PL.67860	C	#4 ACSR 6/	7.38Y	123.1	0.00	1.92	1.31	1	9	2	98	0.00	0.0	5.163	0.049	0	0	0	1
PL.68192	PL.67619	C	1/0 AL URD	7.38Y	123.1	0.00	1.92	1.31	1	9	2	98	0.00	0.0	5.168	0.005	0	0	0	1
PD.10170	PL.68192	C	20T	7.38Y	123.1	0.00	1.92	1.31	0	9	2	98	0.00	0.0	5.168	0.005	0	0	0	1
PL.68193	PD.10170	C	1/0 AL URD	7.38Y	123.1	0.00	1.92	1.31	1	9	2	98	0.00	0.0	5.193	0.025	9	2	1	1
PL.67621	PL.67837	C	#4 ACSR	7.38Y	123.1	0.01	1.92	5.21	4	37	9	97	0.00	0.0	5.062	0.026	0	0	0	13
PL.67620	PL.67621	C	#4 ACSR	7.38Y	123.1	0.01	1.93	4.78	4	34	8	97	0.00	0.0	5.124	0.062	4	1	1	12
PL.68188	PL.67620	C	#4 ACSR	7.38Y	123.1	0.00	1.93	4.21	3	30	7	97	0.00	0.0	5.129	0.005	0	0	0	11
PD.10168	PL.68188	C	20T	7.38Y	123.1	0.00	1.93	4.21	0	30	7	97	0.00	0.0	5.129	0.005	0	0	0	11
PL.68189	PD.10168	C	#4 ACSR	7.38Y	123.1	0.01	1.94	4.21	3	30	7	97	0.00	0.0	5.176	0.047	6	1	1	11
PL.67622	PL.68189	C	#4 ACSR	7.38Y	123.0	0.02	1.96	3.44	3	25	6	97	0.00	0.0	5.286	0.110	0	0	0	10
PL.67901	PL.67622	C	#4 ACSR	7.38Y	123.0	0.00	1.96	3.10	2	22	5	98	0.00	0.0	5.332	0.046	17	4	4	5
PL.67902	PL.67901	C	#4 ACSR	7.38Y	123.0	0.00	1.97	0.78	1	6	1	99	0.00	0.0	5.465	0.133	0	0	0	1
PL.67900	PL.67902	C	#4 ACSR	7.38Y	123.0	0.00	1.97	0.78	1	6	1	99	0.00	0.0	5.602	0.138	0	0	0	1
PL.67905	PL.67900	C	#4 ACSR	7.38Y	123.0	0.00	1.98	0.78	1	6	1	99	0.00	0.0	5.685	0.082	0	0	0	1
PL.67906	PL.67905	C	#4 ACSR	7.38Y	123.0	0.00	1.98	0.78	1	6	1	99	0.00	0.0	5.736	0.051	6	1	1	1
PL.67903	PL.67622	C	#4 ACSR	7.38Y	123.0	0.00	1.96	0.34	0	2	1	89	0.00	0.0	5.309	0.022	1	0	4	5
PL.67904	PL.67903	C	#4 ACSR	7.38Y	123.0	0.00	1.96	0.17	0	1	0	100	0.00	0.0	5.376	0.068	1	0	1	1
PL.67838	PL.67621	C	#4 ACSR	7.38Y	123.1	0.00	1.92	0.43	0	3	1	95	0.00	0.0	5.119	0.057	3	1	1	1
PL.67616	PL.67615	C	#1/0 ACSR	7.39Y	123.1	0.00	1.89	1.25	1	9	2	98	0.00	0.0	4.934	0.065	9	2	1	1
PL.67883	PL.67836	ABC	#1/0 ACSR	7.42Y	123.7	0.01	1.26	6.39	3	138	34	97	0.01	0.0	4.080	0.055	8	2	1	30
PL.68195	PL.67883	A	#1/0 ACSR	7.42Y	123.7	0.00	1.26	0.81	0	6	1	99	0.00	0.0	4.084	0.004	0	0	0	1
PD.10171	PL.68195	A	65T	7.42Y	123.7	0.00	1.26	0.81	0	6	1	99	0.00	0.0	4.084	0.004	0	0	0	1
PL.68194	PD.10171	A	#1/0 ACSR	7.42Y	123.7	0.00	1.26	0.81	0	6	1	99	0.00	0.0	4.088	0.004	6	1	1	1
PL.67600	PL.68194	A	#4 ACSR	7.42Y	123.7	0.00	1.26	0.00	0	0	0	100	0.00	0.0	4.182	0.093	0	0	0	0
PL.67884	PL.67883	ABC	#1/0 ACSR	7.42Y	123.7	0.01	1.27	5.76	3	125	30	97	0.00	0.0	4.134	0.053	0	0	0	28
PL.67930	PL.67884	C	6 A (CWC)	7.42Y	123.7	0.03	1.30	17.29	12	125	30	97	0.03	0.0	4.178	0.044	4	1	1	28

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.68309	PL.67930	C	6 A (CWC)	7.42Y	123.7	0.00	1.31	16.76	12	121	29	97	0.00	0.0	4.180	0.003	0	0	0	27
PD.10256	PL.68309	C	50L	7.42Y	123.7	0.00	1.31	16.76	34	121	29	97	0.00	0.0	4.180	0.003	0	0	0	27
PL.68310	PD.10256	C	6 A (CWC)	7.42Y	123.6	0.04	1.35	16.76	12	121	29	97	0.04	0.0	4.238	0.058	0	0	0	27
PL.67623	PL.68310	C	#4 ACSR	7.42Y	123.6	0.00	1.35	0.02	0	0	0	100	0.00	0.0	4.400	0.161	0	0	1	1
PL.67926	PL.68310	C	6 A (CWC)	7.41Y	123.5	0.12	1.47	16.74	12	121	29	97	0.10	0.1	4.395	0.157	4	1	1	26
PL.67927	PL.67926	C	6 A (CWC)	7.41Y	123.4	0.10	1.56	16.25	12	117	28	97	0.08	0.1	4.526	0.131	0	0	0	25
PL.67626	PL.67927	C	6 A (CWC)	7.41Y	123.4	0.00	1.57	1.59	1	11	3	96	0.00	0.0	4.574	0.049	2	0	1	3
PL.67627	PL.67626	C	#4 ACSR	7.41Y	123.4	0.00	1.57	1.32	1	10	2	98	0.00	0.0	4.612	0.038	0	0	0	2
PL.67866	PL.67627	C	#4 ACSR	7.41Y	123.4	0.01	1.57	0.89	1	6	2	95	0.00	0.0	4.765	0.152	0	0	0	1
PL.67624	PL.67866	C	#4 ACSR	7.41Y	123.4	0.00	1.58	0.89	1	6	2	95	0.00	0.0	4.882	0.117	6	2	1	1
PL.67625	PL.67627	C	#4 ACSR	7.41Y	123.4	0.00	1.57	0.43	0	3	1	95	0.00	0.0	4.735	0.122	3	1	1	1
PL.67843	PL.67927	C	6 A (CWC)	7.40Y	123.3	0.12	1.68	14.66	10	106	26	97	0.09	0.1	4.700	0.174	0	0	0	22
PL.67628	PL.67843	C	6 A (CWC)	7.39Y	123.2	0.12	1.80	14.66	10	105	26	97	0.09	0.1	4.877	0.178	0	0	0	22
PL.67629	PL.67628	C	#4 ACSR	7.39Y	123.2	0.00	1.80	1.01	1	7	2	96	0.00	0.0	4.979	0.101	7	2	1	1
PL.67844	PL.67628	C	6 A (CWC)	7.39Y	123.1	0.10	1.89	10.23	7	74	18	97	0.05	0.1	5.089	0.211	0	0	0	15
PL.67907	PL.67844	C	6 A (CWC)	7.39Y	123.1	0.02	1.91	10.03	7	72	17	97	0.01	0.0	5.130	0.041	5	1	2	14
PL.67911	PL.67907	C	6 A (CWC)	7.38Y	123.0	0.06	1.97	9.36	7	67	16	97	0.03	0.0	5.267	0.137	0	0	0	12
PL.67634	PL.67911	C	#1/0 ACSR	7.38Y	123.0	0.00	1.97	1.64	1	12	3	97	0.00	0.0	5.347	0.079	12	3	1	1
PL.67740	PL.67911	C	6 A (CWC)	7.38Y	123.0	0.05	2.02	7.72	6	55	13	97	0.02	0.0	5.431	0.164	18	4	1	11
PL.67944	PL.67740	C	6 A (CWC)	7.38Y	123.0	0.00	2.02	5.27	4	38	9	97	0.00	0.0	5.436	0.005	0	0	0	10
PD.10181	PL.67944	C	20T	7.38Y	123.0	0.00	2.02	5.27	0	38	9	97	0.00	0.0	5.436	0.005	0	0	0	10
PL.67945	PD.10181	C	6 A (CWC)	7.38Y	122.9	0.04	2.06	5.27	4	38	9	97	0.01	0.0	5.598	0.162	2	0	1	10
PL.67635	PL.67945	C	6 A (CWC)	7.38Y	122.9	0.00	2.06	1.32	1	9	2	98	0.00	0.0	5.656	0.059	0	0	0	2
PL.67736	PL.67635	C	#4 ACSR	7.38Y	122.9	0.00	2.06	1.32	1	9	2	98	0.00	0.0	5.707	0.051	3	1	1	2
PL.67737	PL.67736	C	#4 ACSR	7.38Y	122.9	0.00	2.07	0.86	1	6	1	99	0.00	0.0	5.792	0.085	6	1	1	1
PL.67636	PL.67945	C	6 A (CWC)	7.38Y	122.9	0.02	2.07	3.69	3	26	6	97	0.00	0.0	5.714	0.116	8	2	2	7
PL.67637	PL.67636	C	#4 ACSR	7.38Y	122.9	0.00	2.07	0.00	0	0	0	100	0.00	0.0	5.774	0.061	0	0	0	0
PL.67738	PL.67636	C	6 A (CWC)	7.38Y	122.9	0.00	2.08	0.46	0	3	1	95	0.00	0.0	5.822	0.109	3	1	2	2
PL.67739	PL.67738	C	6 A (CWC)	7.38Y	122.9	0.00	2.08	0.00	0	0	0	100	0.00	0.0	5.844	0.022	0	0	0	0
PL.72555	PL.67739	C	6 A (CWC)	7.38Y	122.9	0.00	2.08	0.00	0	0	0	100	0.00	0.0	5.849	0.005	0	0	0	0
PD.4388-B	PL.72555	C	Open	7.38Y	122.9	0.00	2.08	0.00	0	0	0	100	0.00	0.0	5.849	0.005	0	0	0	0

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.67638	PL.67636	C	#4 ACSR	7.38Y	122.9	0.00	2.08	2.17	2	16	4	97	0.00	0.0	5.741	0.028	0	0	0	3
PL.67845	PL.67638	C	#4 ACSR	7.37Y	122.9	0.01	2.09	1.83	1	13	3	97	0.00	0.0	5.848	0.107	0	0	0	2
PL.67741	PL.67845	C	#4 ACSR	7.37Y	122.9	0.00	2.09	1.83	1	13	3	97	0.00	0.0	5.882	0.035	9	2	1	2
PL.67742	PL.67741	C	#4 ACSR	7.37Y	122.9	0.00	2.09	0.55	0	4	1	97	0.00	0.0	5.917	0.035	4	1	1	1
PL.67639	PL.67638	C	#1/0 ACSR	7.38Y	122.9	0.00	2.08	0.33	0	2	1	89	0.00	0.0	5.825	0.084	2	1	1	1
PL.67632	PL.67844	C	6 A (CWC)	7.39Y	123.1	0.00	1.90	0.20	0	1	0	100	0.00	0.0	5.156	0.067	0	0	0	1
PL.67633	PL.67632	C	#1/0 ACSR	7.39Y	123.1	0.00	1.90	0.20	0	1	0	100	0.00	0.0	5.175	0.020	1	0	1	1
PL.67630	PL.67628	C	#4 ACSR	7.39Y	123.2	0.02	1.82	3.42	3	25	6	97	0.00	0.0	5.010	0.133	2	1	1	6
PL.67631	PL.67630	C	#1/0 ACSR	7.39Y	123.2	0.00	1.82	3.11	1	22	5	98	0.00	0.0	5.086	0.076	6	1	2	5
PL.67743	PL.67631	C	#1/0 ACSR	7.39Y	123.2	0.00	1.83	2.27	1	16	4	97	0.00	0.0	5.199	0.113	7	2	1	3
PL.67744	PL.67743	C	#1/0 ACSR	7.39Y	123.2	0.00	1.83	1.24	1	9	2	98	0.00	0.0	5.261	0.062	9	2	2	2
PL.68005	PL.67886	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.13	10.78	5	216	105	90	0.00	0.0	3.706	0.012	1	0	2	3
PL.68006	PL.68005	ABC	#1/0 ACSR	7.43Y	123.9	0.01	1.14	10.75	5	216	105	90	0.02	0.0	3.774	0.068	0	0	0	1
PL.67592	PL.68006	C	#1/0 ACSR	7.43Y	123.9	0.00	1.14	0.00	0	0	0	100	0.00	0.0	3.779	0.005	0	0	0	0
PL.68293	PL.68006	ABC	1/0 AL URD	7.43Y	123.9	0.00	1.14	10.75	6	216	104	90	0.00	0.0	3.778	0.004	0	0	0	1
PD.10247	PL.68293	ABC	65T	7.43Y	123.9	0.00	1.14	10.75	0	216	104	90	0.00	0.0	3.778	0.004	0	0	0	1
PL.68294	PD.10247	ABC	1/0 AL URD	7.43Y	123.9	0.00	1.14	10.75	6	216	104	90	0.00	0.0	3.785	0.007	216	104	1	1
PL.67890	PL.67814	ABC	336 MCM AC	7.43Y	123.9	0.02	1.12	53.60	10	1160	288	97	0.10	0.0	3.711	0.042	1	0	2	261
PL.67891	PL.67890	ABC	336 MCM AC	7.43Y	123.8	0.06	1.18	48.88	9	1058	263	97	0.35	0.0	3.883	0.172	0	0	0	239
PL.67748	PL.67891	ABC	336 MCM AC	7.43Y	123.8	0.06	1.24	48.88	9	1057	263	97	0.35	0.0	4.056	0.173	0	0	0	239
PL.68319	PL.67748	ABC	336 MCM AC	7.43Y	123.8	0.00	1.24	48.88	9	1057	262	97	0.01	0.0	4.059	0.003	0	0	0	239
PD.10261	PL.68319	ABC	200VWE	7.43Y	123.8	0.00	1.24	48.88	0	1057	262	97	0.00	0.0	4.059	0.003	0	0	0	239
PL.68320	PD.10261	ABC	336 MCM AC	7.42Y	123.7	0.02	1.26	48.88	9	1057	262	97	0.09	0.0	4.103	0.044	0	0	0	239
PL.67946	PL.68320	A	#1/0 ACSR	7.42Y	123.7	0.00	1.26	0.50	0	4	1	97	0.00	0.0	4.108	0.005	0	0	0	1
PD.10182	PL.67946	A	30T	7.42Y	123.7	0.00	1.26	0.50	0	4	1	97	0.00	0.0	4.108	0.005	0	0	0	1
PL.67947	PD.10182	A	#1/0 ACSR	7.42Y	123.7	0.00	1.26	0.50	0	4	1	97	0.00	0.0	4.149	0.041	4	1	1	1
PL.67815	PL.68320	ABC	336 MCM AC	7.42Y	123.7	0.03	1.29	48.71	9	1053	261	97	0.15	0.0	4.176	0.073	0	0	0	238
PL.67948	PL.67815	A	#4 ACSR	7.42Y	123.7	0.00	1.29	3.37	3	24	6	97	0.00	0.0	4.181	0.005	0	0	0	3
PD.10183	PL.67948	A	30T	7.42Y	123.7	0.00	1.29	3.37	0	24	6	97	0.00	0.0	4.181	0.005	0	0	0	3
PL.67949	PD.10183	A	#4 ACSR	7.42Y	123.7	0.00	1.29	3.37	3	24	6	97	0.00	0.0	4.218	0.038	6	1	2	3
PL.67745	PL.67949	A	#4 ACSR	7.42Y	123.7	0.00	1.29	2.51	2	18	4	98	0.00	0.0	4.240	0.022	18	4	1	1

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.67816	PL.67815	ABC	336 MCM AC	7.42Y	123.7	0.02	1.31	47.59	9	1029	255	97	0.11	0.0	4.234	0.058	0	0	0	235
PL.67950	PL.67816	C	#1/0 ACSR	7.42Y	123.7	0.00	1.31	0.00	0	0	0	100	0.00	0.0	4.238	0.005	0	0	0	1
PD.10184	PL.67950	C	30T	7.42Y	123.7	0.00	1.31	0.00	0	0	0	100	0.00	0.0	4.238	0.005	0	0	0	1
PL.67951	PD.10184	C	#1/0 ACSR	7.42Y	123.7	0.00	1.31	0.00	0	0	0	100	0.00	0.0	4.282	0.043	0	0	1	1
PL.68015	PL.67816	ABC	336 MCM AC	7.42Y	123.7	0.02	1.33	47.59	9	1029	254	97	0.12	0.0	4.297	0.064	10	2	1	234
PL.68016	PL.68015	ABC	336 MCM AC	7.42Y	123.7	0.02	1.35	47.14	9	1019	252	97	0.11	0.0	4.358	0.061	0	0	0	233
PL.67648	PL.68016	ABC	336 MCM AC	7.42Y	123.6	0.04	1.39	47.14	9	1019	251	97	0.24	0.0	4.484	0.126	0	0	0	233
PL.67650	PL.67648	ABC	336 MCM AC	7.42Y	123.6	0.02	1.41	43.25	8	934	231	97	0.09	0.0	4.541	0.057	0	0	0	213
PL.68275	PL.67650	A	#1/0 ACSR	7.42Y	123.6	0.00	1.41	3.36	1	24	6	97	0.00	0.0	4.546	0.005	0	0	0	4
PD.10237	PL.68275	A	30T	7.42Y	123.6	0.00	1.41	3.36	0	24	6	97	0.00	0.0	4.546	0.005	0	0	0	4
PL.68276	PD.10237	A	#1/0 ACSR	7.42Y	123.6	0.00	1.41	3.36	1	24	6	97	0.00	0.0	4.579	0.033	23	6	3	4
PL.68023	PL.68276	A	#1/0 ACSR	7.42Y	123.6	0.00	1.41	0.11	0	1	0	100	0.00	0.0	4.639	0.060	1	0	1	1
PL.68277	PL.67650	B	6 A (CWC)	7.42Y	123.6	0.00	1.41	9.67	7	70	17	97	0.00	0.0	4.546	0.005	0	0	0	15
PD.10238	PL.68277	B	30T	7.42Y	123.6	0.00	1.41	9.67	0	70	17	97	0.00	0.0	4.546	0.005	0	0	0	15
PL.68278	PD.10238	B	6 A (CWC)	7.41Y	123.6	0.03	1.44	9.67	7	70	17	97	0.01	0.0	4.607	0.061	0	0	0	15
PL.67652	PL.68278	B	6 A (CWC)	7.41Y	123.6	0.00	1.44	0.00	0	0	0	100	0.00	0.0	4.637	0.030	0	0	0	0
PL.67651	PL.68278	B	6 A (CWC)	7.41Y	123.5	0.06	1.49	9.67	7	70	17	97	0.03	0.0	4.737	0.129	0	0	0	15
PL.68017	PL.67651	B	6 A (CWC)	7.41Y	123.5	0.03	1.53	9.67	7	70	17	97	0.02	0.0	4.810	0.074	1	0	1	15
PL.68018	PL.68017	B	6 A (CWC)	7.41Y	123.5	0.02	1.55	9.55	7	69	17	97	0.01	0.0	4.866	0.056	0	0	0	14
PL.67654	PL.68018	B	#4 ACSR	7.40Y	123.4	0.04	1.59	8.83	7	64	15	97	0.02	0.0	4.981	0.115	0	0	1	12
PL.67658	PL.67654	B	#4 ACSR	7.40Y	123.4	0.00	1.60	1.21	1	9	2	98	0.00	0.0	5.022	0.041	9	2	1	1
PL.67660	PL.67654	B	#4 ACSR	7.40Y	123.4	0.02	1.62	6.88	5	50	12	97	0.01	0.0	5.055	0.073	0	0	0	9
PL.67662	PL.67660	B	#4 ACSR	7.40Y	123.4	0.01	1.63	2.14	2	15	4	97	0.00	0.0	5.181	0.127	7	2	1	2
PL.67663	PL.67662	B	#4 ACSR	7.40Y	123.4	0.00	1.63	1.13	1	8	2	97	0.00	0.0	5.210	0.029	8	2	1	1
PL.67895	PL.67660	B	#4 ACSR	7.40Y	123.4	0.01	1.63	4.72	4	34	8	97	0.00	0.0	5.108	0.054	0	0	0	6
PL.67665	PL.67895	B	#4 ACSR	7.40Y	123.4	0.00	1.63	1.36	1	10	2	98	0.00	0.0	5.154	0.046	10	2	2	2
PL.67664	PL.67895	B	#4 ACSR	7.40Y	123.4	0.00	1.63	0.52	0	4	1	97	0.00	0.0	5.127	0.019	4	1	1	1
PL.67896	PL.67895	B	#4 ACSR	7.40Y	123.4	0.00	1.63	2.84	2	20	5	97	0.00	0.0	5.140	0.032	0	0	0	3
PL.68026	PL.67896	B	#4 ACSR	7.40Y	123.4	0.01	1.64	2.84	2	20	5	97	0.00	0.0	5.212	0.072	14	3	2	3
PL.68027	PL.68026	B	#4 ACSR	7.40Y	123.4	0.00	1.64	0.92	1	7	2	96	0.00	0.0	5.252	0.040	7	2	1	1
PL.67954	PL.67896	B	#1/0 ACSR	7.40Y	123.4	0.00	1.63	0.00	0	0	0	100	0.00	0.0	5.157	0.017	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: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% 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.10186	PL.67954	B	30T	7.40Y	123.4	0.00	1.63	0.00	0	0	0	100	0.00	0.0	5.157	0.017	0	0	0	0
PL.67955	PD.10186	B	#1/0 ACSR	7.40Y	123.4	0.00	1.63	0.00	0	0	0	100	0.00	0.0	5.284	0.127	0	0	0	0
PL.67661	PL.67660	B	#1/0 ACSR	7.40Y	123.4	0.00	1.62	0.01	0	0	0	100	0.00	0.0	5.068	0.014	0	0	1	1
PL.67659	PL.67654	B	#4 ACSR	7.40Y	123.4	0.00	1.59	0.71	1	5	1	98	0.00	0.0	5.032	0.051	5	1	1	1
PL.67653	PL.68018	B	#4 ACSR	7.41Y	123.4	0.00	1.55	0.73	1	5	1	98	0.00	0.0	4.919	0.053	5	1	1	2
PL.67655	PL.67653	B	#4 ACSR	7.41Y	123.4	0.00	1.55	0.00	0	0	0	100	0.00	0.0	5.005	0.086	0	0	1	1
PL.67819	PL.67650	ABC	336 MCM AC	7.41Y	123.6	0.02	1.43	38.91	7	840	208	97	0.08	0.0	4.604	0.063	5	1	1	194
PL.67952	PL.67819	C	#4 ACSR	7.41Y	123.6	0.00	1.43	1.12	1	8	2	97	0.00	0.0	4.609	0.005	0	0	0	1
PD.10185	PL.67952	C	30T	7.41Y	123.6	0.00	1.43	1.12	0	8	2	97	0.00	0.0	4.609	0.005	0	0	0	1
PL.67953	PD.10185	C	#4 ACSR	7.41Y	123.6	0.00	1.43	1.12	1	8	2	97	0.00	0.0	4.643	0.034	8	2	1	1
PL.67820	PL.67819	ABC	336 MCM AC	7.41Y	123.6	0.01	1.44	38.32	7	828	204	97	0.07	0.0	4.657	0.053	0	0	0	192
PL.68313	PL.67820	A	#4 ACSR	7.41Y	123.6	0.00	1.44	10.06	8	72	17	97	0.00	0.0	4.660	0.003	0	0	0	17
PD.10258	PL.68313	A	35L	7.41Y	123.6	0.00	1.44	10.06	29	72	17	97	0.00	0.0	4.660	0.003	0	0	0	17
PL.68314	PD.10258	A	#4 ACSR	7.41Y	123.5	0.02	1.46	10.06	8	72	17	97	0.01	0.0	4.705	0.045	9	2	1	17
PL.67666	PL.68314	A	#4 ACSR	7.41Y	123.5	0.02	1.48	7.99	6	58	14	97	0.01	0.0	4.751	0.046	0	0	0	13
PL.67867	PL.67666	A	#4 ACSR	7.41Y	123.5	0.05	1.53	7.99	6	58	14	97	0.02	0.0	4.904	0.153	7	2	2	13
PL.67669	PL.67867	A	#4 ACSR	7.41Y	123.5	0.00	1.53	6.99	5	50	12	97	0.00	0.0	4.917	0.013	0	0	0	11
PL.67670	PL.67669	A	#4 ACSR	7.41Y	123.4	0.03	1.56	5.48	4	39	10	97	0.01	0.0	5.026	0.110	0	0	0	8
PL.67849	PL.67670	A	#4 ACSR	7.41Y	123.4	0.00	1.56	0.00	0	0	0	100	0.00	0.0	5.130	0.103	0	0	0	0
PD.10252-B	PL.67849	A	Open	7.41Y	123.4	0.00	1.56	0.00	0	0	0	100	0.00	0.0	5.130	0.103	0	0	0	0
PL.68038	PL.67670	A	#4 ACSR	7.41Y	123.4	0.02	1.57	5.48	4	39	10	97	0.00	0.0	5.094	0.068	5	1	2	8
PL.68037	PL.68038	A	#4 ACSR	7.41Y	123.4	0.01	1.58	4.79	4	35	8	97	0.00	0.0	5.150	0.055	12	3	2	6
PL.67672	PL.68037	A	#4 ACSR	7.40Y	123.4	0.00	1.58	0.98	1	7	2	96	0.00	0.0	5.218	0.068	7	2	1	1
PL.67892	PL.68037	A	#4 ACSR	7.40Y	123.4	0.00	1.58	2.21	2	16	4	97	0.00	0.0	5.178	0.028	0	0	0	3
PL.68035	PL.67892	A	#4 ACSR	7.40Y	123.4	0.00	1.59	2.21	2	16	4	97	0.00	0.0	5.213	0.035	11	3	2	3
PL.68036	PL.68035	A	#4 ACSR	7.40Y	123.4	0.00	1.59	0.69	1	5	1	98	0.00	0.0	5.252	0.039	5	1	1	1
PL.67817	PL.67669	A	#4 ACSR	7.41Y	123.5	0.00	1.53	1.51	1	11	3	96	0.00	0.0	4.957	0.040	0	0	0	3
PL.67671	PL.67817	A	#1/0 ACSR	7.41Y	123.5	0.00	1.53	1.51	1	11	3	96	0.00	0.0	4.978	0.021	11	3	3	3
PL.67818	PL.67817	A	#4 ACSR	7.41Y	123.5	0.00	1.53	0.00	0	0	0	100	0.00	0.0	4.972	0.015	0	0	0	0
PL.67667	PL.68314	A	#4 ACSR	7.41Y	123.5	0.00	1.46	0.85	1	6	1	99	0.00	0.0	4.760	0.055	6	1	2	3
PL.67668	PL.67667	A	#2 ACSR	7.41Y	123.5	0.00	1.46	0.02	0	0	0	100	0.00	0.0	4.793	0.034	0	0	1	1

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.67821	PL.67820	ABC	336 MCM AC	7.41Y	123.5	0.03	1.47	34.97	7	755	187	97	0.11	0.0	4.766	0.109	0	0	0	175
PL.67868	PL.67821	ABC	336 MCM AC	7.41Y	123.5	0.03	1.50	34.97	7	755	187	97	0.12	0.0	4.882	0.116	0	0	0	175
PL.67869	PL.67868	ABC	336 MCM AC	7.41Y	123.5	0.01	1.51	34.97	7	755	186	97	0.06	0.0	4.936	0.054	0	0	0	175
PL.67956	PL.67869	C	#1/0 ACSR	7.41Y	123.5	0.00	1.51	30.45	13	219	53	97	0.00	0.0	4.940	0.005	0	0	0	37
PD.10187	PL.67956	C	30T	7.41Y	123.5	0.00	1.51	30.45	0	219	53	97	0.00	0.0	4.940	0.005	0	0	0	37
PL.67957	PD.10187	C	#1/0 ACSR	7.41Y	123.4	0.04	1.55	30.45	13	219	53	97	0.06	0.0	5.000	0.060	0	0	0	37
PL.68047	PL.67957	C	#1/0 ACSR	7.41Y	123.4	0.00	1.56	1.54	1	11	3	96	0.00	0.0	5.069	0.069	8	2	1	3
PL.68048	PL.68047	C	#1/0 ACSR	7.41Y	123.4	0.00	1.56	0.44	0	3	1	95	0.00	0.0	5.093	0.024	3	1	2	2
PL.67673	PL.67957	C	#1/0 ACSR	7.41Y	123.4	0.01	1.56	1.88	1	14	3	98	0.00	0.0	5.148	0.148	0	0	0	2
PL.67674	PL.67673	C	#4 ACSR	7.41Y	123.4	0.00	1.56	0.93	1	7	2	96	0.00	0.0	5.228	0.079	7	2	1	1
PL.67822	PL.67673	C	#1/0 ACSR	7.41Y	123.4	0.00	1.56	0.94	0	7	2	96	0.00	0.0	5.182	0.034	7	2	1	1
PL.67960	PL.67957	C	#4 ACSR	7.41Y	123.4	0.01	1.56	27.03	21	195	47	97	0.01	0.0	5.005	0.005	0	0	0	32
PD.10189	PL.67960	C	30T	7.41Y	123.4	0.00	1.56	27.03	0	195	47	97	0.00	0.0	5.005	0.005	0	0	0	32
PL.67961	PD.10189	C	#4 ACSR	7.40Y	123.4	0.06	1.62	27.03	21	195	47	97	0.08	0.0	5.053	0.048	7	2	1	32
PL.68045	PL.67961	C	#4 ACSR	7.40Y	123.3	0.07	1.69	26.13	20	188	45	97	0.10	0.1	5.119	0.066	11	3	3	31
PL.68046	PL.68045	C	#4 ACSR	7.40Y	123.3	0.01	1.70	24.55	19	177	43	97	0.02	0.0	5.131	0.012	17	4	3	28
PL.67705	PL.68046	C	6 A (CWC)	7.40Y	123.3	0.00	1.71	2.77	2	20	5	97	0.00	0.0	5.186	0.055	20	5	3	3
PL.67823	PL.68046	C	#4 ACSR	7.40Y	123.3	0.03	1.73	19.42	15	140	34	97	0.03	0.0	5.167	0.035	0	0	0	22
PL.67715	PL.67823	C	#4 ACSR	7.39Y	123.2	0.09	1.82	19.42	15	140	34	97	0.09	0.1	5.273	0.106	10	2	1	22
PL.67713	PL.67715	C	#4 ACSR	7.39Y	123.2	0.00	1.82	15.56	12	112	27	97	0.00	0.0	5.277	0.004	0	0	0	18
PD.10242	PL.67713	C	30T	7.39Y	123.2	0.00	1.82	15.56	0	112	27	97	0.00	0.0	5.277	0.004	0	0	0	18
PL.67824	PD.10242	C	#4 ACSR	7.39Y	123.1	0.04	1.86	7.76	6	56	13	97	0.01	0.0	5.381	0.104	0	0	0	10
PL.67788	PL.67824	C	#4 ACSR	7.39Y	123.1	0.00	1.86	2.10	2	15	4	97	0.00	0.0	5.447	0.066	9	2	1	2
PL.67789	PL.67788	C	#1/0 ACSR	7.39Y	123.1	0.00	1.86	0.91	0	7	2	96	0.00	0.0	5.484	0.037	0	0	0	1
PL.67721	PL.67789	C	#1/0 ACSR	7.39Y	123.1	0.00	1.86	0.91	0	7	2	96	0.00	0.0	5.512	0.028	7	2	1	1
PL.68051	PL.67824	C	#4 ACSR	7.39Y	123.1	0.02	1.88	5.66	4	41	10	97	0.01	0.0	5.461	0.080	8	2	1	8
PL.68052	PL.68051	C	#4 ACSR	7.39Y	123.1	0.01	1.89	4.48	3	32	8	97	0.00	0.0	5.546	0.085	7	2	1	7
PL.67720	PL.68052	C	#4 ACSR	7.39Y	123.1	0.02	1.91	3.46	3	25	6	97	0.00	0.0	5.679	0.134	10	2	3	6
PL.68171	PL.67720	C	#4 ACSR	7.39Y	123.1	0.00	1.91	2.05	2	15	4	97	0.00	0.0	5.727	0.047	7	2	2	3
PL.68172	PL.68171	C	#4 ACSR	7.39Y	123.1	0.00	1.91	1.02	1	7	2	96	0.00	0.0	5.765	0.038	7	2	1	1
PL.67712	PD.10242	C	#4 ACSR	7.39Y	123.2	0.01	1.84	3.62	3	26	6	97	0.00	0.0	5.362	0.085	0	0	0	2

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.67825	PL.67712	C	#4 ACSR	7.39Y	123.2	0.00	1.84	2.06	2	15	4	97	0.00	0.0	5.405	0.043	15	4	1	1
PL.67716	PL.67712	C	#4 ACSR	7.39Y	123.2	0.00	1.84	1.56	1	11	3	96	0.00	0.0	5.399	0.037	11	3	1	1
PL.67714	PD.10242	C	#4 ACSR	7.39Y	123.2	0.01	1.84	4.18	3	30	7	97	0.00	0.0	5.350	0.073	0	0	0	6
PL.67717	PL.67714	C	#2 ACSR	7.39Y	123.2	0.00	1.84	0.00	0	0	0	100	0.00	0.0	5.394	0.044	0	0	1	1
PL.67718	PL.67714	C	#4 ACSR	7.39Y	123.2	0.01	1.84	1.95	1	14	3	98	0.00	0.0	5.439	0.089	0	0	0	3
PL.67708	PL.67718	C	#4 ACSR	7.39Y	123.1	0.01	1.85	1.95	1	14	3	98	0.00	0.0	5.551	0.113	0	0	0	3
PL.67894	PL.67708	C	#4 ACSR	7.39Y	123.1	0.00	1.86	0.75	1	5	1	98	0.00	0.0	5.636	0.085	0	0	0	2
PL.67893	PL.67894	C	#4 ACSR	7.39Y	123.1	0.00	1.86	0.26	0	2	0	100	0.00	0.0	5.644	0.008	2	0	1	1
PL.67706	PL.67894	C	#1/0 ACSR	7.39Y	123.1	0.00	1.86	0.49	0	3	1	95	0.00	0.0	5.690	0.054	3	1	1	1
PL.67707	PL.67708	C	#4 ACSR	7.39Y	123.1	0.00	1.86	1.20	1	9	2	98	0.00	0.0	5.587	0.035	9	2	1	1
PL.67719	PL.67714	C	#1/0 ACSR	7.39Y	123.2	0.00	1.84	2.23	1	16	4	97	0.00	0.0	5.420	0.070	10	2	1	2
PL.67709	PL.67719	C	#1/0 ACSR	7.39Y	123.2	0.00	1.84	0.83	0	6	1	99	0.00	0.0	5.464	0.044	6	1	1	1
PL.67710	PL.67715	C	#4 ACSR	7.39Y	123.2	0.00	1.82	0.92	1	7	2	96	0.00	0.0	5.373	0.100	7	2	1	1
PL.67711	PL.67715	C	#4 ACSR	7.39Y	123.2	0.00	1.82	1.57	1	11	3	96	0.00	0.0	5.369	0.096	11	3	2	2
PL.67897	PL.67869	ABC	336 MCM AC	7.41Y	123.5	0.01	1.52	24.82	5	535	133	97	0.02	0.0	4.978	0.043	0	0	0	138
PL.67958	PL.67897	B	#1/0 ACSR	7.41Y	123.5	0.00	1.52	0.63	0	5	1	98	0.00	0.0	4.983	0.005	0	0	0	1
PD.10188	PL.67958	B	30T	7.41Y	123.5	0.00	1.52	0.63	0	5	1	98	0.00	0.0	4.983	0.005	0	0	0	1
PL.67959	PD.10188	B	#1/0 ACSR	7.41Y	123.5	0.00	1.52	0.63	0	5	1	98	0.00	0.0	5.003	0.020	5	1	1	1
PL.67898	PL.67897	ABC	336 MCM AC	7.41Y	123.5	0.02	1.54	24.61	5	531	132	97	0.07	0.0	5.114	0.136	0	0	0	137
PL.67962	PL.67898	C	#1/0 ACSR	7.41Y	123.5	0.00	1.54	1.15	0	8	2	97	0.00	0.0	5.119	0.005	0	0	0	2
PD.10190	PL.67962	C	30T	7.41Y	123.5	0.00	1.54	1.15	0	8	2	97	0.00	0.0	5.119	0.005	0	0	0	2
PL.67963	PD.10190	C	#1/0 ACSR	7.41Y	123.5	0.00	1.54	1.15	0	8	2	97	0.00	0.0	5.191	0.072	0	0	0	2
PL.67679	PL.67963	C	#4 ACSR	7.41Y	123.5	0.00	1.54	1.15	1	8	2	97	0.00	0.0	5.249	0.058	8	2	2	2
PL.67675	PL.67898	B	6 A (CWC)	7.40Y	123.4	0.05	1.59	20.03	14	144	35	97	0.05	0.0	5.168	0.054	9	2	2	29
PL.67677	PL.67675	B	6 A (CWC)	7.40Y	123.4	0.00	1.59	2.09	1	15	4	97	0.00	0.0	5.191	0.023	15	4	4	4
PL.67678	PL.67675	B	6 A (CWC)	7.40Y	123.4	0.00	1.59	0.99	1	7	2	96	0.00	0.0	5.228	0.059	7	2	1	1
PL.68315	PL.67675	B	6 A (CWC)	7.40Y	123.4	0.00	1.59	15.73	11	113	27	97	0.00	0.0	5.171	0.003	0	0	0	22
PD.10259	PL.68315	B	35L	7.40Y	123.4	0.00	1.59	15.73	45	113	27	97	0.00	0.0	5.171	0.003	0	0	0	22
PL.68316	PD.10259	B	6 A (CWC)	7.40Y	123.3	0.11	1.70	15.73	11	113	27	97	0.10	0.1	5.331	0.160	0	0	0	22
PL.67699	PL.68316	B	6 A (CWC)	7.39Y	123.2	0.07	1.77	14.92	11	107	26	97	0.05	0.1	5.431	0.100	0	0	1	21
PL.67698	PL.67699	B	#4 ACSR	7.39Y	123.2	0.00	1.78	2.30	2	17	4	97	0.00	0.0	5.477	0.046	9	2	1	2

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.67697	PL.67698	B	#4 ACSR	7.39Y	123.2	0.00	1.78	1.11	1	8	2	97	0.00	0.0	5.535	0.058	8	2	1	1
PL.68058	PL.67699	B	6 A (CWC)	7.39Y	123.2	0.03	1.80	12.57	9	90	22	97	0.02	0.0	5.483	0.052	1	0	1	18
PL.68059	PL.68058	B	6 A (CWC)	7.39Y	123.2	0.01	1.82	12.47	9	90	22	97	0.01	0.0	5.510	0.027	17	4	2	17
PL.67704	PL.68059	B	6 A (CWC)	7.39Y	123.2	0.00	1.82	10.13	7	73	18	97	0.00	0.0	5.518	0.008	0	0	0	15
PL.67703	PL.67704	B	6 A (CWC)	7.39Y	123.2	0.01	1.83	4.34	3	31	8	97	0.00	0.0	5.558	0.039	12	3	2	6
PL.67701	PL.67703	B	#4 ACSR	7.39Y	123.2	0.00	1.83	0.22	0	2	0	100	0.00	0.0	5.601	0.043	2	0	1	1
PL.67702	PL.67703	B	#4 ACSR	7.39Y	123.2	0.00	1.83	2.48	2	18	4	98	0.00	0.0	5.589	0.031	18	4	3	3
PL.68054	PL.67704	B	6 A (CWC)	7.39Y	123.2	0.01	1.83	5.79	4	42	10	97	0.00	0.0	5.559	0.041	21	5	5	9
PL.68055	PL.68054	B	6 A (CWC)	7.39Y	123.2	0.00	1.83	2.87	2	21	5	97	0.00	0.0	5.597	0.037	15	4	3	4
PL.68053	PL.68055	B	6 A (CWC)	7.39Y	123.2	0.00	1.83	0.80	1	6	1	99	0.00	0.0	5.655	0.059	6	1	1	1
PL.67700	PL.68316	B	#4 ACSR	7.40Y	123.3	0.00	1.71	0.81	1	6	1	99	0.00	0.0	5.432	0.101	6	1	1	1
PL.67676	PL.67898	ABC	336 MCM AC	7.41Y	123.4	0.02	1.56	17.55	3	378	95	97	0.04	0.0	5.252	0.138	0	0	0	106
PL.67826	PL.67676	ABC	336 MCM AC	7.41Y	123.4	0.01	1.57	15.89	3	342	86	97	0.02	0.0	5.363	0.110	0	0	0	98
PL.67870	PL.67826	ABC	336 MCM AC	7.41Y	123.4	0.01	1.58	15.89	3	342	86	97	0.02	0.0	5.469	0.106	0	0	0	98
PL.67829	PL.67870	ABC	336 MCM AC	7.40Y	123.4	0.01	1.59	14.95	3	323	78	97	0.01	0.0	5.537	0.068	0	0	0	96
PL.68281	PL.67829	A	#4 ACSR	7.40Y	123.4	0.00	1.59	3.00	2	22	5	98	0.00	0.0	5.542	0.005	0	0	0	4
PD.10240	PL.68281	A	30T	7.40Y	123.4	0.00	1.59	3.00	0	22	5	98	0.00	0.0	5.542	0.005	0	0	0	4
PL.68282	PD.10240	A	#4 ACSR	7.40Y	123.4	0.01	1.60	3.00	2	22	5	98	0.00	0.0	5.595	0.053	12	3	3	4
PL.68071	PL.68282	A	#4 ACSR	7.40Y	123.4	0.00	1.60	1.40	1	10	2	98	0.00	0.0	5.652	0.057	10	2	1	1
PL.67830	PL.67829	ABC	336 MCM AC	7.40Y	123.4	0.00	1.59	13.95	3	301	73	97	0.01	0.0	5.573	0.036	0	0	0	92
PL.68069	PL.67830	ABC	336 MCM AC	7.40Y	123.4	0.00	1.59	3.29	1	71	18	97	0.00	0.0	5.617	0.044	7	2	2	29
PL.68070	PL.68069	ABC	336 MCM AC	7.40Y	123.4	0.00	1.60	2.96	1	64	16	97	0.00	0.0	5.705	0.088	1	0	1	27
PL.68068	PL.68070	ABC	336 MCM AC	7.40Y	123.4	0.00	1.60	2.90	1	63	15	97	0.00	0.0	5.737	0.032	0	0	1	26
PL.67831	PL.68068	ABC	336 MCM AC	7.40Y	123.4	0.00	1.60	2.57	0	55	14	97	0.00	0.0	5.800	0.063	1	0	4	23
PL.68285	PL.67831	A	#1/0 ACSR	7.40Y	123.4	0.00	1.60	1.77	1	13	3	97	0.00	0.0	5.804	0.005	0	0	0	5
PD.10243	PL.68285	A	30T	7.40Y	123.4	0.00	1.60	1.77	0	13	3	97	0.00	0.0	5.804	0.005	0	0	0	5
PL.68286	PD.10243	A	#1/0 ACSR	7.40Y	123.4	0.00	1.60	1.77	1	13	3	97	0.00	0.0	5.827	0.022	13	3	5	5
PL.67833	PL.67831	ABC	336 MCM AC	7.40Y	123.4	0.00	1.60	1.95	0	42	11	97	0.00	0.0	5.821	0.021	0	0	0	14
PL.67975	PL.67833	C	#1/0 ACSR	7.40Y	123.4	0.00	1.60	1.30	1	9	2	98	0.00	0.0	5.825	0.005	0	0	0	2
PD.10196	PL.67975	C	30T	7.40Y	123.4	0.00	1.60	1.30	0	9	2	98	0.00	0.0	5.825	0.005	0	0	0	2
PL.67974	PD.10196	C	#1/0 ACSR	7.40Y	123.4	0.00	1.60	1.30	1	9	2	98	0.00	0.0	5.861	0.036	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: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.67722	PL.67974	C	#1/0 ACSR	7.40Y	123.4	0.00	1.60	0.28	0	2	0	100	0.00	0.0	5.930	0.069	2	0	1	1
PL.67787	PL.67974	C	#1/0 ACSR	7.40Y	123.4	0.00	1.60	1.02	0	7	2	96	0.00	0.0	5.922	0.060	7	2	1	1
PL.67834	PL.67833	ABC	336 MCM AC	7.40Y	123.4	0.00	1.60	1.52	0	33	8	97	0.00	0.0	5.851	0.030	0	0	0	12
PL.67972	PL.67834	A	#4 ACSR	7.40Y	123.4	0.00	1.60	0.94	1	7	2	96	0.00	0.0	5.856	0.005	0	0	0	3
PD.10195	PL.67972	A	30T	7.40Y	123.4	0.00	1.60	0.94	0	7	2	96	0.00	0.0	5.856	0.005	0	0	0	3
PL.67973	PD.10195	A	#4 ACSR	7.40Y	123.4	0.00	1.60	0.94	1	7	2	96	0.00	0.0	5.870	0.014	3	1	2	3
PL.68067	PL.67973	A	#4 ACSR	7.40Y	123.4	0.00	1.60	0.56	0	4	1	97	0.00	0.0	5.954	0.084	4	1	1	1
PL.67832	PL.67834	ABC	336 MCM AC	7.40Y	123.4	0.00	1.60	1.20	0	26	7	97	0.00	0.0	5.913	0.062	0	0	0	9
PL.67899	PL.67832	ABC	336 MCM AC	7.40Y	123.4	0.00	1.60	0.16	0	3	1	95	0.00	0.0	5.949	0.036	2	1	1	4
PL.68062	PL.67899	ABC	336 MCM AC	7.40Y	123.4	0.00	1.60	0.00	0	0	0	100	0.00	0.0	5.982	0.033	0	0	1	1
PL.68063	PL.68062	ABC	336 MCM AC	7.40Y	123.4	0.00	1.60	0.00	0	0	0	100	0.00	0.0	6.028	0.046	0	0	0	0
PL.69067	PL.68063	ABC	336 MCM AC	7.40Y	123.4	0.00	1.60	0.00	0	0	0	100	0.00	0.0	6.032	0.004	0	0	0	0
PD.10362-B	PL.69067	ABC	Open	7.40Y	123.4	0.00	1.60	0.00	0	0	0	100	0.00	0.0	6.032	0.004	0	0	0	0
PL.67968	PL.67899	C	#1/0 ACSR	7.40Y	123.4	0.00	1.60	0.25	0	2	0	100	0.00	0.0	5.954	0.005	0	0	0	2
PD.10193	PL.67968	C	30T	7.40Y	123.4	0.00	1.60	0.25	0	2	0	100	0.00	0.0	5.954	0.005	0	0	0	2
PL.67969	PD.10193	C	#1/0 ACSR	7.40Y	123.4	0.00	1.60	0.25	0	2	0	100	0.00	0.0	5.977	0.024	1	0	1	2
PL.68066	PL.67969	C	#1/0 ACSR	7.40Y	123.4	0.00	1.60	0.16	0	1	0	100	0.00	0.0	6.019	0.041	1	0	1	1
PL.67970	PL.67832	A	#1/0 ACSR	7.40Y	123.4	0.00	1.60	3.13	1	23	5	98	0.00	0.0	5.918	0.005	0	0	0	5
PD.10194	PL.67970	A	30T	7.40Y	123.4	0.00	1.60	3.13	0	23	5	98	0.00	0.0	5.918	0.005	0	0	0	5
PL.67971	PD.10194	A	#1/0 ACSR	7.40Y	123.4	0.00	1.60	3.13	1	23	5	98	0.00	0.0	5.971	0.054	5	1	1	5
PL.68064	PL.67971	A	#4 ACSR	7.40Y	123.4	0.00	1.61	2.38	2	17	4	97	0.00	0.0	6.039	0.068	14	3	2	4
PL.68065	PL.68064	A	#4 ACSR	7.40Y	123.4	0.00	1.61	0.40	0	3	1	95	0.00	0.0	6.121	0.082	3	1	2	2
PL.67978	PL.68068	C	#1/0 ACSR	7.40Y	123.4	0.00	1.60	0.93	0	7	2	96	0.00	0.0	5.742	0.005	0	0	0	2
PD.10198	PL.67978	C	30T	7.40Y	123.4	0.00	1.60	0.93	0	7	2	96	0.00	0.0	5.742	0.005	0	0	0	2
PL.67979	PD.10198	C	#1/0 ACSR	7.40Y	123.4	0.00	1.60	0.93	0	7	2	96	0.00	0.0	5.775	0.033	7	2	2	2
PL.68321	PL.67830	C	6 A (CWC)	7.40Y	123.4	0.00	1.60	31.96	23	230	56	97	0.01	0.0	5.575	0.003	0	0	0	63
PD.10262	PL.68321	C	50L	7.40Y	123.4	0.00	1.60	31.96	64	230	56	97	0.00	0.0	5.575	0.003	0	0	0	63
PL.68322	PD.10262	C	6 A (CWC)	7.40Y	123.4	0.04	1.64	31.96	23	230	56	97	0.07	0.0	5.605	0.029	1	0	1	63
PL.67980	PL.68322	C	6 A (CWC)	7.40Y	123.4	0.00	1.64	1.59	1	11	3	96	0.00	0.0	5.609	0.005	0	0	0	2
PD.10199	PL.67980	C	20T	7.40Y	123.4	0.00	1.64	1.59	0	11	3	96	0.00	0.0	5.609	0.005	0	0	0	2
PL.67981	PD.10199	C	6 A (CWC)	7.40Y	123.4	0.00	1.64	1.59	1	11	3	96	0.00	0.0	5.691	0.082	11	3	2	2

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Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.68072	PL.68322	C	6 A (CWC)	7.40Y	123.3	0.06	1.70	30.26	22	218	53	97	0.09	0.0	5.647	0.042	4	1	1	60
PL.68073	PL.68072	C	6 A (CWC)	7.40Y	123.3	0.03	1.73	29.69	21	213	52	97	0.05	0.0	5.672	0.026	20	5	3	59
PL.68074	PL.68073	C	6 A (CWC)	7.39Y	123.2	0.03	1.76	16.84	12	121	29	97	0.03	0.0	5.717	0.045	2	1	1	33
PL.68075	PL.68074	C	6 A (CWC)	7.39Y	123.2	0.04	1.80	16.50	12	119	29	97	0.03	0.0	5.770	0.053	21	5	5	32
PL.67689	PL.68075	C	6 A (CWC)	7.39Y	123.2	0.03	1.83	13.64	10	98	24	97	0.02	0.0	5.824	0.054	0	0	0	27
PL.67692	PL.67689	C	6 A (CWC)	7.39Y	123.2	0.01	1.84	7.47	5	54	13	97	0.00	0.0	5.851	0.027	5	1	1	17
PL.67987	PL.67692	C	#4 ACSR	7.39Y	123.2	0.00	1.84	0.63	0	5	1	98	0.00	0.0	5.856	0.005	0	0	0	1
PD.10202	PL.67987	C	20T	7.39Y	123.2	0.00	1.84	0.63	0	5	1	98	0.00	0.0	5.856	0.005	0	0	0	1
PL.67986	PD.10202	C	#4 ACSR	7.39Y	123.2	0.00	1.84	0.63	0	5	1	98	0.00	0.0	5.902	0.046	5	1	1	1
PL.67694	PL.67692	C	6 A (CWC)	7.39Y	123.2	0.01	1.85	6.13	4	44	11	97	0.00	0.0	5.874	0.023	8	2	2	15
PL.67695	PL.67694	C	6 A (CWC)	7.39Y	123.1	0.01	1.85	5.01	4	36	9	97	0.00	0.0	5.917	0.043	26	6	5	13
PL.68056	PL.67695	C	6 A (CWC)	7.39Y	123.1	0.00	1.86	1.37	1	10	2	98	0.00	0.0	5.968	0.051	0	0	0	8
PL.68057	PL.68056	C	6 A (CWC)	7.39Y	123.1	0.00	1.86	1.37	1	10	2	98	0.00	0.0	6.010	0.042	2	1	2	8
PL.67696	PL.68057	C	6 A (CWC)	7.39Y	123.1	0.00	1.86	1.04	1	7	2	96	0.00	0.0	6.080	0.070	7	2	6	6
PL.68208	PL.67689	C	#4 ACSR	7.39Y	123.2	0.00	1.83	6.17	5	44	11	97	0.00	0.0	5.829	0.005	0	0	0	10
PD.10204	PL.68208	C	20T	7.39Y	123.2	0.00	1.83	6.17	0	44	11	97	0.00	0.0	5.829	0.005	0	0	0	10
PL.68209	PD.10204	C	#4 ACSR	7.39Y	123.2	0.01	1.84	6.17	5	44	11	97	0.00	0.0	5.877	0.048	27	7	6	10
PL.67693	PL.68209	C	#4 ACSR	7.39Y	123.2	0.00	1.85	2.36	2	17	4	97	0.00	0.0	5.924	0.048	17	4	4	4
PL.67982	PL.68073	C	#4 ACSR	7.40Y	123.3	0.00	1.73	10.10	8	73	18	97	0.00	0.0	5.677	0.005	0	0	0	23
PD.10200	PL.67982	C	20T	7.40Y	123.3	0.00	1.73	10.10	0	73	18	97	0.00	0.0	5.677	0.005	0	0	0	23
PL.67983	PD.10200	C	#4 ACSR	7.39Y	123.2	0.05	1.78	10.10	8	73	18	97	0.03	0.0	5.795	0.118	0	0	0	23
PL.67984	PL.67983	C	#4 ACSR	7.39Y	123.2	0.00	1.78	0.39	0	3	1	95	0.00	0.0	5.799	0.005	0	0	0	2
PD.10201	PL.67984	C	12T	7.39Y	123.2	0.00	1.78	0.39	0	3	1	95	0.00	0.0	5.799	0.005	0	0	0	2
PL.67985	PD.10201	C	#4 ACSR	7.39Y	123.2	0.00	1.79	0.39	0	3	1	95	0.00	0.0	5.952	0.152	0	0	1	2
PL.67691	PL.67985	C	#4 ACSR	7.39Y	123.2	0.00	1.79	0.00	0	0	0	100	0.00	0.0	6.011	0.060	0	0	0	0
PL.67690	PL.67985	C	6 A (CWC)	7.39Y	123.2	0.00	1.79	0.37	0	3	1	95	0.00	0.0	6.030	0.078	3	1	1	1
PL.67681	PL.67983	C	#4 ACSR	7.39Y	123.2	0.01	1.80	6.56	5	47	11	97	0.00	0.0	5.840	0.046	0	0	0	13
PL.68077	PL.67681	C	#4 ACSR	7.39Y	123.2	0.01	1.80	4.23	3	30	7	97	0.00	0.0	5.876	0.036	3	1	3	11
PL.68078	PL.68077	C	#4 ACSR	7.39Y	123.2	0.00	1.81	3.78	3	27	7	97	0.00	0.0	5.905	0.028	2	0	2	8
PL.67988	PL.68078	C	6 A (CWC)	7.39Y	123.2	0.00	1.81	3.53	3	25	6	97	0.00	0.0	5.909	0.005	0	0	0	6
PD.10203	PL.67988	C	12T	7.39Y	123.2	0.00	1.81	3.53	0	25	6	97	0.00	0.0	5.909	0.005	0	0	0	6

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Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.67989	PD.10203	C	6 A (CWC)	7.39Y	123.2	0.02	1.83	3.53	3	25	6	97	0.00	0.0	6.040	0.130	0	0	0	6
PL.67871	PL.67989	C	6 A (CWC)	7.39Y	123.2	0.01	1.84	3.53	3	25	6	97	0.00	0.0	6.102	0.063	5	1	1	6
PL.68080	PL.67871	C	#4 ACSR	7.39Y	123.2	0.00	1.84	1.32	1	9	2	98	0.00	0.0	6.171	0.069	0	0	1	4
PL.68081	PL.68080	C	#4 ACSR	7.39Y	123.2	0.00	1.85	1.32	1	9	2	98	0.00	0.0	6.252	0.081	0	0	1	3
PL.68079	PL.68081	C	#4 ACSR	7.39Y	123.1	0.00	1.85	1.31	1	9	2	98	0.00	0.0	6.375	0.123	9	2	2	2
PL.67688	PL.67871	C	#1/0 ACSR	7.39Y	123.2	0.00	1.84	1.50	1	11	3	96	0.00	0.0	6.175	0.073	11	3	1	1
PL.67682	PL.67681	C	#4 ACSR	7.39Y	123.2	0.00	1.80	0.94	1	7	2	96	0.00	0.0	5.876	0.035	7	2	1	1
PL.67683	PL.67681	C	#1/0 ACSR	7.39Y	123.2	0.00	1.80	1.40	1	10	2	98	0.00	0.0	5.889	0.049	10	2	1	1
PL.68283	PL.67983	C	#4 ACSR	7.39Y	123.2	0.00	1.79	3.15	2	23	5	98	0.00	0.0	5.799	0.005	0	0	0	8
PD.10241	PL.68283	C	12T	7.39Y	123.2	0.00	1.79	3.15	0	23	5	98	0.00	0.0	5.799	0.005	0	0	0	8
PL.68284	PD.10241	C	#4 ACSR	7.39Y	123.2	0.00	1.79	3.15	2	23	5	98	0.00	0.0	5.836	0.036	2	0	2	8
PL.68076	PL.68284	C	#4 ACSR	7.39Y	123.2	0.01	1.80	2.91	2	21	5	97	0.00	0.0	5.914	0.079	0	0	1	6
PL.67684	PL.68076	C	#4 ACSR	7.39Y	123.2	0.01	1.81	2.90	2	21	5	97	0.00	0.0	5.967	0.053	9	2	1	5
PL.67847	PL.67684	C	#4 ACSR	7.39Y	123.2	0.00	1.81	1.12	1	8	2	97	0.00	0.0	6.030	0.063	8	2	1	1
PL.67686	PL.67684	C	#4 ACSR	7.39Y	123.2	0.00	1.81	0.54	0	4	1	97	0.00	0.0	5.973	0.007	0	0	0	3
PL.67687	PL.67686	C	#4 ACSR	7.39Y	123.2	0.00	1.81	0.00	0	0	0	100	0.00	0.0	6.058	0.084	0	0	1	1
PL.67685	PL.67686	C	#2 ACSR	7.39Y	123.2	0.00	1.81	0.54	0	4	1	97	0.00	0.0	6.153	0.179	4	1	2	2
PL.67976	PL.67870	C	#1/0 ACSR	7.41Y	123.4	0.00	1.58	1.08	0	8	2	97	0.00	0.0	5.474	0.005	0	0	0	1
PD.10197	PL.67976	C	30T	7.41Y	123.4	0.00	1.58	1.08	0	8	2	97	0.00	0.0	5.474	0.005	0	0	0	1
PL.67977	PD.10197	C	#1/0 ACSR	7.40Y	123.4	0.00	1.58	1.08	0	8	2	97	0.00	0.0	5.578	0.105	8	2	1	1
PL.68301	PL.67870	ABC	#4 ACSR	7.41Y	123.4	0.00	1.58	0.60	0	12	6	89	0.00	0.0	5.474	0.005	0	0	0	1
PD.10251	PL.68301	ABC	30T	7.41Y	123.4	0.00	1.58	0.60	0	12	6	89	0.00	0.0	5.474	0.005	0	0	0	1
PL.68302	PD.10251	ABC	#4 ACSR	7.40Y	123.4	0.00	1.58	0.60	0	12	6	89	0.00	0.0	5.497	0.023	12	6	1	1
PL.67964	PL.67676	A	#1/0 ACSR	7.41Y	123.4	0.00	1.56	3.42	1	25	6	97	0.00	0.0	5.257	0.005	0	0	0	7
PD.10191	PL.67964	A	30T	7.41Y	123.4	0.00	1.56	3.42	0	25	6	97	0.00	0.0	5.257	0.005	0	0	0	7
PL.67965	PD.10191	A	#1/0 ACSR	7.41Y	123.4	0.00	1.56	3.42	1	25	6	97	0.00	0.0	5.307	0.050	2	1	1	7
PL.67966	PL.67965	A	1/0 AL URD	7.41Y	123.4	0.00	1.56	0.91	1	7	2	96	0.00	0.0	5.312	0.005	0	0	0	2
PD.10192	PL.67966	A	30T	7.41Y	123.4	0.00	1.56	0.91	0	7	2	96	0.00	0.0	5.312	0.005	0	0	0	2
PL.67967	PD.10192	A	1/0 AL URD	7.41Y	123.4	0.00	1.56	0.91	1	7	2	96	0.00	0.0	5.345	0.034	7	2	2	2
PL.67827	PL.67965	A	#1/0 ACSR	7.41Y	123.4	0.00	1.56	2.21	1	16	4	97	0.00	0.0	5.342	0.035	6	2	1	4
PL.68049	PL.67827	A	#4 ACSR	7.41Y	123.4	0.00	1.57	1.33	1	10	2	98	0.00	0.0	5.393	0.051	0	0	1	3

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.68050	PL.68049	A	#4 ACSR	7.41Y	123.4	0.00	1.57	1.31	1	9	2	98	0.00	0.0	5.505	0.112	9	2	2	2
PL.68279	PL.67676	A	#4 ACSR	7.41Y	123.4	0.00	1.56	1.54	1	11	3	96	0.00	0.0	5.257	0.005	0	0	0	1
PD.10239	PL.68279	A	30T	7.41Y	123.4	0.00	1.56	1.54	0	11	3	96	0.00	0.0	5.257	0.005	0	0	0	1
PL.68280	PD.10239	A	#4 ACSR	7.41Y	123.4	0.00	1.56	1.54	1	11	3	96	0.00	0.0	5.271	0.014	0	0	0	1
PL.67680	PL.68280	A	#4 ACSR	7.41Y	123.4	0.00	1.56	0.00	0	0	0	100	0.00	0.0	5.302	0.031	0	0	0	0
PL.67828	PL.68280	A	#4 ACSR	7.41Y	123.4	0.00	1.56	1.54	1	11	3	96	0.00	0.0	5.348	0.077	11	3	1	1
PL.68274	PL.67648	A	#4 ACSR	7.42Y	123.6	0.00	1.39	11.68	9	84	20	97	0.00	0.0	4.489	0.005	0	0	0	20
PD.10236	PL.68274	A	30T	7.42Y	123.6	0.00	1.39	11.68	0	84	20	97	0.00	0.0	4.489	0.005	0	0	0	20
PL.68273	PD.10236	A	#4 ACSR	7.42Y	123.6	0.01	1.41	11.68	9	84	20	97	0.01	0.0	4.516	0.028	6	1	1	20
PL.68020	PL.68273	A	#4 ACSR	7.41Y	123.6	0.01	1.42	10.91	8	79	19	97	0.01	0.0	4.545	0.028	4	1	2	19
PL.68019	PL.68020	A	#4 ACSR	7.41Y	123.6	0.03	1.44	10.35	8	75	18	97	0.01	0.0	4.603	0.058	8	2	2	17
PL.68025	PL.68019	A	#4 ACSR	7.41Y	123.5	0.01	1.45	4.05	3	29	7	97	0.00	0.0	4.659	0.056	3	1	3	8
PL.68024	PL.68025	A	#4 ACSR	7.41Y	123.5	0.00	1.46	3.68	3	27	6	98	0.00	0.0	4.689	0.030	5	1	1	5
PL.67747	PL.68024	A	#4 ACSR	7.41Y	123.5	0.00	1.46	3.03	2	22	5	98	0.00	0.0	4.728	0.039	7	2	1	4
PL.67746	PL.67747	A	#4 ACSR	7.41Y	123.5	0.00	1.47	2.11	2	15	4	97	0.00	0.0	4.789	0.061	15	4	3	3
PL.67649	PL.68019	A	#4 ACSR	7.41Y	123.5	0.01	1.46	5.24	4	38	9	97	0.00	0.0	4.669	0.066	8	2	2	7
PL.68021	PL.67649	A	#4 ACSR	7.41Y	123.5	0.00	1.46	4.09	3	29	7	97	0.00	0.0	4.696	0.027	10	2	2	5
PL.68022	PL.68021	A	#4 ACSR	7.41Y	123.5	0.01	1.47	2.71	2	20	5	97	0.00	0.0	4.793	0.098	10	2	1	3
PL.67656	PL.68022	A	#4 ACSR	7.41Y	123.5	0.00	1.47	1.28	1	9	2	98	0.00	0.0	4.843	0.049	0	0	0	2
PL.67657	PL.67656	A	#4 ACSR	7.41Y	123.5	0.00	1.47	1.28	1	9	2	98	0.00	0.0	4.879	0.037	9	2	2	2
PL.68200	PL.67890	B	#4 ACSR	7.43Y	123.9	0.00	1.13	14.01	11	101	24	97	0.00	0.0	3.716	0.005	0	0	0	20
PD.10174	PL.68200	B	65T	7.43Y	123.9	0.00	1.13	14.01	0	101	24	97	0.00	0.0	3.716	0.005	0	0	0	20
PL.68201	PD.10174	B	#4 ACSR	7.43Y	123.8	0.04	1.17	14.01	11	101	24	97	0.03	0.0	3.782	0.066	0	0	1	20
PL.67640	PL.68201	B	#4 ACSR	7.43Y	123.8	0.01	1.17	3.43	3	25	6	97	0.00	0.0	3.843	0.061	9	2	1	6
PL.67642	PL.67640	B	#1/0 ACSR	7.43Y	123.8	0.00	1.17	1.60	1	12	3	97	0.00	0.0	3.862	0.019	12	3	1	1
PL.67591	PL.67640	B	#4 ACSR	7.43Y	123.8	0.00	1.17	0.61	0	4	1	97	0.00	0.0	3.875	0.032	4	1	4	4
PL.68028	PL.68201	B	#4 ACSR	7.43Y	123.8	0.00	1.17	0.41	0	3	1	95	0.00	0.0	3.825	0.043	3	1	1	1
PL.68029	PL.68028	B	#4 ACSR	7.43Y	123.8	0.00	1.17	0.00	0	0	0	100	0.00	0.0	3.865	0.040	0	0	0	0
PL.67641	PL.68201	B	#4 ACSR	7.43Y	123.8	0.03	1.19	10.11	8	73	18	97	0.01	0.0	3.842	0.060	5	1	2	12
PL.68030	PL.67641	B	#4 ACSR	7.43Y	123.8	0.00	1.19	1.26	1	9	2	98	0.00	0.0	3.883	0.042	9	2	1	1
PL.68060	PL.68030	B	#4 ACSR	7.43Y	123.8	0.00	1.19	0.00	0	0	0	100	0.00	0.0	3.944	0.060	0	0	0	0

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.68061	PL.68060	B	#4 ACSR	7.43Y	123.8	0.00	1.19	0.00	0	0	0	100	0.00	0.0	3.967	0.023	0	0	0	0
PL.67644	PL.68061	B	#4 ACSR	7.43Y	123.8	0.00	1.19	0.00	0	0	0	100	0.00	0.0	4.002	0.036	0	0	0	0
PL.67643	PL.67641	B	#4 ACSR	7.43Y	123.8	0.02	1.21	5.06	4	37	9	97	0.00	0.0	3.918	0.076	6	2	2	5
PL.68031	PL.67643	B	#4 ACSR	7.43Y	123.8	0.00	1.21	2.58	2	19	4	98	0.00	0.0	3.939	0.021	19	4	2	2
PL.68032	PL.68031	B	#4 ACSR	7.43Y	123.8	0.00	1.21	0.00	0	0	0	100	0.00	0.0	3.963	0.024	0	0	0	0
PL.67647	PL.68032	B	#4 ACSR	7.43Y	123.8	0.00	1.21	0.00	0	0	0	100	0.00	0.0	3.968	0.005	0	0	0	0
PD.10252-A	PL.67647	B	Open	7.43Y	123.8	0.00	1.21	0.00	0	0	0	100	0.00	0.0	3.968	0.005	0	0	0	0
PL.67645	PL.67643	B	#4 ACSR	7.43Y	123.8	0.00	1.21	1.61	1	12	3	97	0.00	0.0	3.986	0.068	12	3	1	1
PL.68033	PL.67641	B	#4 ACSR	7.43Y	123.8	0.01	1.20	3.12	2	23	5	98	0.00	0.0	3.907	0.065	8	2	2	4
PL.68034	PL.68033	B	#4 ACSR	7.43Y	123.8	0.00	1.20	2.03	2	15	4	97	0.00	0.0	3.969	0.062	6	1	1	2
PL.67646	PL.68034	B	#4 ACSR	7.43Y	123.8	0.00	1.21	1.27	1	9	2	98	0.00	0.0	4.009	0.040	9	2	1	1
PL.68198	PL.67813	C	#1/0 ACSR	7.44Y	123.9	0.00	1.07	2.09	1	15	4	97	0.00	0.0	3.619	0.005	0	0	0	2
PD.10173	PL.68198	C	65T	7.44Y	123.9	0.00	1.07	2.09	0	15	4	97	0.00	0.0	3.619	0.005	0	0	0	2
PL.68199	PD.10173	C	#1/0 ACSR	7.44Y	123.9	0.00	1.07	2.09	1	15	4	97	0.00	0.0	3.682	0.063	13	3	1	2
PL.67593	PL.68199	C	#1/0 ACSR	7.44Y	123.9	0.00	1.07	0.25	0	2	0	100	0.00	0.0	3.741	0.059	0	0	0	1
PL.67594	PL.67593	C	#4 ACSR	7.44Y	123.9	0.00	1.07	0.25	0	2	0	100	0.00	0.0	3.797	0.056	2	0	1	1
PL.68009	PL.68008	ABC	#1/0 ACSR	7.44Y	124.0	0.00	1.01	1.54	1	31	15	90	0.00	0.0	3.566	0.035	0	0	0	1
PL.68010	PL.68009	ABC	#1/0 ACSR	7.44Y	124.0	0.00	1.01	1.54	1	31	15	90	0.00	0.0	3.583	0.016	31	15	1	1
PL.68202	PL.68008	C	#1/0 ACSR	7.44Y	124.0	0.00	1.01	1.16	1	8	2	97	0.00	0.0	3.536	0.005	0	0	0	2
PD.10175	PL.68202	C	65T	7.44Y	124.0	0.00	1.01	1.16	0	8	2	97	0.00	0.0	3.536	0.005	0	0	0	2
PL.68203	PD.10175	C	#1/0 ACSR	7.44Y	124.0	0.00	1.01	1.16	1	8	2	97	0.00	0.0	3.574	0.038	8	2	2	2
PL.68206	PL.68304	C	#1/0 ACSR	7.44Y	124.0	0.00	0.97	1.25	1	9	2	98	0.00	0.0	3.477	0.005	0	0	0	2
PD.10177	PL.68206	C	65T	7.44Y	124.0	0.00	0.97	1.25	0	9	2	98	0.00	0.0	3.477	0.005	0	0	0	2
PL.68207	PD.10177	C	#1/0 ACSR	7.44Y	124.0	0.00	0.97	1.25	1	9	2	98	0.00	0.0	3.496	0.018	9	2	2	2
PL.68205	PL.68012	A	#1/0 ACSR	7.44Y	124.1	0.00	0.92	5.70	2	41	10	97	0.00	0.0	3.404	0.005	0	0	0	7
PD.10176	PL.68205	A	65T	7.44Y	124.1	0.00	0.92	5.70	0	41	10	97	0.00	0.0	3.404	0.005	0	0	0	7
PL.68204	PD.10176	A	#1/0 ACSR	7.44Y	124.1	0.00	0.92	5.70	2	41	10	97	0.00	0.0	3.412	0.008	9	2	1	7
PL.68013	PL.68204	A	#4 ACSR	7.44Y	124.1	0.01	0.92	3.11	2	23	5	98	0.00	0.0	3.474	0.062	14	3	2	4
PL.68014	PL.68013	A	#4 ACSR	7.44Y	124.1	0.00	0.93	1.12	1	8	2	97	0.00	0.0	3.517	0.043	0	0	0	2
PL.67588	PL.68014	A	#1/0 ACSR	7.44Y	124.1	0.00	0.93	0.00	0	0	0	100	0.00	0.0	3.603	0.086	0	0	0	0
PL.67589	PL.68014	A	#4 ACSR	7.44Y	124.1	0.00	0.93	1.12	1	8	2	97	0.00	0.0	3.587	0.070	8	2	2	2

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.67587	PL.68014	A	#4 ACSR	7.44Y	124.1	0.00	0.93	0.00	0	0	0	100	0.00	0.0	3.583	0.067	0	0	0	0
PL.67577	PL.68204	A	#4 ACSR	7.44Y	124.1	0.00	0.92	1.40	1	10	2	98	0.00	0.0	3.487	0.075	10	2	2	2
PL.68267	PL.67561	C	#4 ACSR	7.46Y	124.3	0.00	0.74	2.31	2	17	4	97	0.00	0.0	3.162	0.005	0	0	0	2
PD.10233	PL.68267	C	65T	7.46Y	124.3	0.00	0.74	2.31	0	17	4	97	0.00	0.0	3.162	0.005	0	0	0	2
PL.68268	PD.10233	C	#4 ACSR	7.46Y	124.3	0.00	0.74	2.31	2	17	4	97	0.00	0.0	3.175	0.012	10	2	1	2
PL.67563	PL.68268	C	#4 ACSR	7.46Y	124.3	0.00	0.74	0.88	1	6	2	95	0.00	0.0	3.213	0.038	0	0	0	1
PL.67564	PL.67563	C	#1/0 ACSR	7.46Y	124.3	0.00	0.74	0.88	0	6	2	95	0.00	0.0	3.237	0.024	6	2	1	1
PL.68261	PL.67805	A	#4 ACSR	7.47Y	124.4	0.00	0.58	0.41	0	3	1	95	0.00	0.0	2.966	0.005	0	0	0	1
PD.10231	PL.68261	A	65T	7.47Y	124.4	0.00	0.58	0.41	0	3	1	95	0.00	0.0	2.966	0.005	0	0	0	1
PL.68262	PD.10231	A	#4 ACSR	7.46Y	124.4	0.00	0.58	0.41	0	3	1	95	0.00	0.0	3.059	0.093	3	1	1	1
PL.68259	PL.67805	C	#4 ACSR	7.47Y	124.4	0.00	0.58	1.02	1	7	2	96	0.00	0.0	2.966	0.005	0	0	0	1
PD.10230	PL.68259	C	65T	7.47Y	124.4	0.00	0.58	1.02	0	7	2	96	0.00	0.0	2.966	0.005	0	0	0	1
PL.68260	PD.10230	C	#4 ACSR	7.47Y	124.4	0.00	0.58	1.02	1	7	2	96	0.00	0.0	2.983	0.017	7	2	1	1
PL.68317	PL.67535	B	#4 ACSR	7.24Y	120.6	0.01	4.41	49.87	38	350	86	97	0.02	0.0	2.889	0.003	0	0	0	93
PD.10260	PL.68317	B	100L	7.24Y	120.6	0.00	4.41	49.87	50	350	86	97	0.00	0.0	2.889	0.003	0	0	0	93
PL.68318	PD.10260	B	#1/0 ACSR	7.23Y	120.5	0.09	4.50	49.87	22	350	86	97	0.21	0.1	2.968	0.079	16	4	3	93
PL.68093	PL.68318	B	#4 ACSR	7.22Y	120.3	0.18	4.67	47.58	37	334	82	97	0.45	0.1	3.052	0.084	2	0	1	90
PL.67729	PL.68093	B	#4 ACSR	7.21Y	120.2	0.16	4.83	47.35	36	332	82	97	0.41	0.1	3.129	0.077	7	2	2	89
PL.67726	PL.67729	B	#1/0 ACSR	7.20Y	120.1	0.08	4.92	46.34	20	324	80	97	0.18	0.1	3.210	0.081	8	2	1	87
PL.67727	PL.67726	B	#1/0 ACSR	7.20Y	120.0	0.05	4.97	45.13	20	316	77	97	0.11	0.0	3.259	0.049	0	0	0	86
PL.67536	PL.67727	B	6 A (CWC)	7.20Y	120.0	0.00	4.97	1.69	1	12	3	97	0.00	0.0	3.338	0.079	7	2	2	6
PL.67537	PL.67536	B	#4 ACSR	7.20Y	120.0	0.00	4.97	0.74	1	5	1	98	0.00	0.0	3.406	0.068	5	1	4	4
PL.67728	PL.67727	B	6 A (CWC)	7.19Y	119.8	0.24	5.21	35.83	26	251	62	97	0.46	0.2	3.405	0.146	0	0	0	67
PL.68091	PL.67728	B	6 A (CWC)	7.17Y	119.6	0.22	5.43	35.83	26	250	61	97	0.42	0.2	3.542	0.137	4	1	1	67
PL.68092	PL.68091	B	6 A (CWC)	7.16Y	119.3	0.25	5.67	35.27	25	246	60	97	0.46	0.2	3.696	0.154	0	0	0	66
PL.67855	PL.68092	B	6 A (CWC)	7.15Y	119.2	0.13	5.80	35.27	25	245	60	97	0.24	0.1	3.776	0.080	0	0	0	66
PL.67540	PL.67855	B	6 A (CWC)	7.15Y	119.1	0.10	5.91	35.27	25	245	60	97	0.20	0.1	3.841	0.066	2	0	1	66
PL.67541	PL.67540	B	#4 ACSR	7.15Y	119.1	0.00	5.91	0.08	0	1	0	100	0.00	0.0	3.880	0.039	1	0	1	1
PL.67542	PL.67540	B	6 A (CWC)	7.13Y	118.9	0.22	6.13	34.96	25	243	59	97	0.41	0.2	3.986	0.144	14	3	6	64
PL.67544	PL.67542	B	6 A (CWC)	7.13Y	118.8	0.12	6.25	33.01	24	229	56	97	0.21	0.1	4.067	0.081	1	0	1	58
PL.67545	PL.67544	B	#4 ACSR	7.12Y	118.7	0.00	6.25	2.47	2	17	4	97	0.00	0.0	4.124	0.057	17	4	2	2

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.67935	PL.67544	B	6 A (CWC)	7.12Y	118.6	0.10	6.35	30.44	22	211	51	97	0.16	0.1	4.143	0.076	9	2	1	55
PL.67936	PL.67935	B	6 A (CWC)	7.12Y	118.6	0.05	6.40	29.08	21	201	49	97	0.07	0.0	4.180	0.037	7	2	2	54
REG72	PL.67936	B	76.2 KVA	7.54Y	125.7	-7.07	-0.67	28.03	28	194	47	97	percent Boost= 0.00			Tap= 0.0				52
PL.67937	REG72	B	6 A (CWC)	7.54Y	125.6	0.03	-0.64	26.45	19	194	47	97	0.05	0.0	4.207	0.027	0	0	0	52
PL.67546	PL.67937	B	6 A (CWC)	7.53Y	125.4	0.20	-0.44	26.45	19	194	47	97	0.29	0.1	4.375	0.168	0	0	0	52
PL.67916	PL.67546	B	#4 ACSR	7.53Y	125.4	0.00	-0.43	1.56	1	11	3	96	0.00	0.0	4.427	0.052	9	2	1	2
PL.67917	PL.67916	B	#4 ACSR	7.53Y	125.4	0.00	-0.43	0.37	0	3	1	95	0.00	0.0	4.505	0.078	3	1	1	1
PL.67803	PL.67546	B	6 A (CWC)	7.52Y	125.4	0.02	-0.41	24.89	18	182	44	97	0.03	0.0	4.395	0.021	8	2	1	50
PL.67918	PL.67803	B	6 A (CWC)	7.52Y	125.4	0.02	-0.40	6.07	4	44	11	97	0.00	0.0	4.455	0.059	6	1	1	13
PL.67919	PL.67918	B	6 A (CWC)	7.52Y	125.4	0.01	-0.39	5.26	4	38	9	97	0.00	0.0	4.503	0.049	13	3	6	12
PL.68004	PL.67919	B	#4 ACSR	7.52Y	125.4	0.01	-0.38	2.65	2	19	5	97	0.00	0.0	4.566	0.063	6	1	3	5
PL.68003	PL.68004	B	#4 ACSR	7.52Y	125.4	0.00	-0.38	1.89	1	14	3	98	0.00	0.0	4.645	0.079	14	3	2	2
PL.67875	PL.67919	B	6 A (CWC)	7.52Y	125.4	0.00	-0.39	0.88	1	6	2	95	0.00	0.0	4.531	0.028	6	2	1	1
PL.67547	PL.67803	B	6 A (CWC)	7.52Y	125.4	0.06	-0.36	17.66	13	129	31	97	0.05	0.0	4.467	0.071	7	2	2	36
PL.68190	PL.67547	B	6 A (CWC)	7.52Y	125.3	0.05	-0.30	16.49	12	121	29	97	0.05	0.0	4.539	0.073	0	0	0	33
PD.10169	PL.68190	B	20T	7.52Y	125.3	0.00	-0.30	16.49	0	121	29	97	0.00	0.0	4.539	0.073	0	0	0	33
PL.68191	PD.10169	B	6 A (CWC)	7.52Y	125.3	0.03	-0.28	16.49	12	121	29	97	0.02	0.0	4.577	0.038	9	2	2	33
PL.67549	PL.68191	B	6 A (CWC)	7.51Y	125.2	0.07	-0.21	12.88	9	94	23	97	0.05	0.1	4.698	0.120	0	0	0	24
PL.67856	PL.67549	B	6 A (CWC)	7.51Y	125.2	0.05	-0.16	12.88	9	94	23	97	0.03	0.0	4.781	0.084	0	0	0	24
PL.67555	PL.67856	B	6 A (CWC)	7.51Y	125.2	0.00	-0.16	0.61	0	4	1	97	0.00	0.0	4.888	0.106	3	1	1	2
PL.67556	PL.67555	B	#4 ACSR	7.51Y	125.2	0.00	-0.16	0.22	0	2	0	100	0.00	0.0	4.931	0.043	2	0	1	1
PL.67554	PL.67856	B	6 A (CWC)	7.51Y	125.2	0.00	-0.16	0.46	0	3	1	95	0.00	0.0	4.844	0.062	3	1	1	1
PL.67804	PL.67856	B	6 A (CWC)	7.51Y	125.1	0.05	-0.11	11.81	8	86	21	97	0.03	0.0	4.870	0.089	7	2	2	21
PL.68083	PL.67804	B	6 A (CWC)	7.51Y	125.1	0.01	-0.10	8.73	6	64	15	97	0.01	0.0	4.899	0.028	2	1	3	16
PL.68084	PL.68083	B	6 A (CWC)	7.51Y	125.1	0.01	-0.09	8.39	6	61	15	97	0.01	0.0	4.937	0.038	1	0	1	13
PL.68082	PL.68084	B	#4 ACSR	7.50Y	125.1	0.02	-0.07	8.30	6	61	15	97	0.01	0.0	4.997	0.060	12	3	3	12
PL.68088	PL.68082	B	#4 ACSR	7.50Y	125.0	0.03	-0.04	6.69	5	49	12	97	0.01	0.0	5.104	0.107	20	5	3	9
PL.68089	PL.68088	B	#4 ACSR	7.50Y	125.0	0.00	-0.04	3.97	3	29	7	97	0.00	0.0	5.132	0.029	7	2	1	6
PL.68085	PL.68089	B	#4 ACSR	7.50Y	125.0	0.00	-0.03	3.00	2	22	5	98	0.00	0.0	5.166	0.033	7	2	2	5
PL.68086	PL.68085	B	#4 ACSR	7.50Y	125.0	0.00	-0.03	2.02	2	15	4	97	0.00	0.0	5.194	0.028	5	1	1	3
PL.68087	PL.68086	B	#4 ACSR	7.50Y	125.0	0.00	-0.03	1.38	1	10	2	98	0.00	0.0	5.253	0.059	10	2	2	2

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.67557	PL.67804	B	#4 ACSR	7.51Y	125.1	0.00	-0.11	2.11	2	15	4	97	0.00	0.0	4.918	0.047	15	4	3	3
PL.67550	PL.68191	B	6 A (CWC)	7.52Y	125.3	0.01	-0.27	2.40	2	18	4	98	0.00	0.0	4.676	0.099	0	0	0	7
PL.67914	PL.67550	B	6 A (CWC)	7.52Y	125.3	0.00	-0.26	1.86	1	14	3	98	0.00	0.0	4.704	0.028	3	1	2	6
PL.67915	PL.67914	B	6 A (CWC)	7.52Y	125.3	0.00	-0.26	1.42	1	10	2	98	0.00	0.0	4.764	0.060	8	2	2	4
PL.67552	PL.67915	B	6 A (CWC)	7.52Y	125.3	0.00	-0.26	0.34	0	2	1	89	0.00	0.0	4.858	0.093	0	0	0	2
PL.67857	PL.67552	B	6 A (CWC)	7.52Y	125.3	0.00	-0.26	0.34	0	2	1	89	0.00	0.0	4.987	0.129	0	0	0	2
PL.67912	PL.67857	B	#4 ACSR	7.52Y	125.3	0.00	-0.26	0.34	0	2	1	89	0.00	0.0	5.005	0.018	2	1	1	2
PL.67913	PL.67912	B	#4 ACSR	7.52Y	125.3	0.00	-0.26	0.00	0	0	0	100	0.00	0.0	5.070	0.065	0	0	1	1
PL.67551	PL.67550	B	#4 ACSR	7.52Y	125.3	0.00	-0.27	0.54	0	4	1	97	0.00	0.0	4.775	0.099	4	1	1	1
PL.67548	PL.67547	B	6 A (CWC)	7.52Y	125.4	0.00	-0.36	0.16	0	1	0	100	0.00	0.0	4.513	0.046	1	0	1	1
PL.67543	PL.67542	B	#4 ACSR	7.13Y	118.9	0.00	6.13	0.00	0	0	0	100	0.00	0.0	4.060	0.074	0	0	0	0
PL.67724	PL.67727	B	6 A (CWC)	7.20Y	120.0	0.01	4.98	7.61	5	53	13	97	0.00	0.0	3.295	0.036	12	3	2	13
PL.67725	PL.67724	B	6 A (CWC)	7.20Y	120.0	0.01	4.99	5.96	4	42	10	97	0.00	0.0	3.336	0.041	25	6	7	11
PL.67723	PL.67725	B	6 A (CWC)	7.20Y	120.0	0.01	4.99	2.43	2	17	4	97	0.00	0.0	3.388	0.052	3	1	1	4
PL.67539	PL.67723	B	6 A (CWC)	7.20Y	120.0	0.00	4.99	0.35	0	2	1	89	0.00	0.0	3.497	0.109	2	1	1	1
PL.67538	PL.67723	B	6 A (CWC)	7.20Y	120.0	0.00	4.99	1.62	1	11	3	96	0.00	0.0	3.425	0.037	11	3	2	2
CP.106	PL.68325	ABC	Cap (450)	7.25Y	120.8	0.00	4.23	0.00	0	0	0	100	0.00	0.0	2.711	0.037	0	0	0	0
PL.68214	PL.68100	B	6 A (CWC)	7.26Y	120.9	0.00	4.07	0.71	1	5	1	98	0.00	0.0	2.582	0.035	0	0	0	1
PD.10207	PL.68214	B	65T	7.26Y	120.9	0.00	4.07	0.71	0	5	1	98	0.00	0.0	2.582	0.035	0	0	0	1
PL.68215	PD.10207	B	6 A (CWC)	7.26Y	120.9	0.00	4.07	0.71	1	5	1	98	0.00	0.0	2.598	0.017	5	1	1	1
PL.68183	PL.68128	ABC	#4 ACSR	7.32Y	122.0	0.01	3.03	14.85	11	295	138	91	0.03	0.0	1.557	0.021	38	18	1	8
PL.68184	PL.68183	ABC	#4 ACSR	7.32Y	121.9	0.03	3.06	12.95	10	258	120	91	0.06	0.0	1.612	0.056	0	0	0	7
PL.68125	PL.68184	ABC	#4 ACSR	7.32Y	121.9	0.02	3.08	12.95	10	258	120	91	0.04	0.0	1.647	0.034	0	0	0	7
PL.67518	PL.68125	ABC	#4 ACSR	7.32Y	121.9	0.00	3.08	5.34	4	105	51	90	0.00	0.0	1.686	0.039	105	51	1	1
PL.67519	PL.68125	ABC	#4 ACSR	7.32Y	121.9	0.00	3.08	7.62	6	152	69	91	0.00	0.0	1.661	0.015	132	64	2	6
PL.68225	PL.67519	B	#4 ACSR	7.31Y	121.9	0.01	3.08	2.82	2	20	5	97	0.00	0.0	1.707	0.046	0	0	0	4
PD.10213	PL.68225	B	65T	7.31Y	121.9	0.00	3.08	2.82	0	20	5	97	0.00	0.0	1.707	0.046	0	0	0	4
PL.68226	PD.10213	B	#4 ACSR	7.31Y	121.9	0.01	3.09	2.82	2	20	5	97	0.00	0.0	1.761	0.053	7	2	1	4
PL.67520	PL.68226	B	#4 ACSR	7.31Y	121.9	0.00	3.09	1.88	1	13	3	97	0.00	0.0	1.800	0.039	7	2	1	3
PL.67522	PL.67520	B	#1/0 ACSR	7.31Y	121.9	0.00	3.09	0.01	0	0	0	100	0.00	0.0	1.870	0.070	0	0	1	1
PL.67521	PL.67520	B	#1/0 ACSR	7.31Y	121.9	0.00	3.09	0.95	0	7	2	96	0.00	0.0	1.843	0.043	7	2	1	1

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.68289	PL.67497	B	#4 ACSR	7.32Y	122.1	0.00	2.94	0.79	1	6	1	99	0.00	0.0	1.480	0.005	0	0	0	1
PD.10245	PL.68289	B	65T	7.32Y	122.1	0.00	2.94	0.79	0	6	1	99	0.00	0.0	1.480	0.005	0	0	0	1
PL.68290	PD.10245	B	#4 ACSR	7.32Y	122.1	0.00	2.95	0.79	1	6	1	99	0.00	0.0	1.596	0.116	6	1	1	1
PL.68126	PL.68290	B	#4 ACSR	7.32Y	122.1	0.00	2.95	0.00	0	0	0	100	0.00	0.0	1.600	0.004	0	0	0	0
PL.68251	PL.67878	A	#4 ACSR	7.33Y	122.2	0.00	2.81	2.68	2	19	5	97	0.00	0.0	1.379	0.005	0	0	0	4
PD.10226	PL.68251	A	65T	7.33Y	122.2	0.00	2.81	2.68	0	19	5	97	0.00	0.0	1.379	0.005	0	0	0	4
PL.68252	PD.10226	A	#4 ACSR	7.33Y	122.2	0.00	2.81	2.68	2	19	5	97	0.00	0.0	1.395	0.016	19	5	4	4
PL.67493	PL.67492	ABC	#1/0 ACSR	7.33Y	122.2	0.00	2.75	4.03	2	80	39	90	0.00	0.0	1.385	0.051	80	39	1	1
PL.68295	PL.67791	ABC	336 MCM AC	7.34Y	122.4	0.00	2.64	15.85	3	319	141	91	0.00	0.0	1.257	0.005	0	0	0	6
PD.10248	PL.68295	ABC	65T	7.34Y	122.4	0.00	2.64	15.85	0	319	141	91	0.00	0.0	1.257	0.005	0	0	0	6
PL.68296	PD.10248	ABC	336 MCM AC	7.34Y	122.4	0.01	2.65	15.85	3	319	141	91	0.02	0.0	1.351	0.094	0	0	0	6
PL.68229	PL.68296	C	#1/0 ACSR	7.34Y	122.4	0.00	2.65	0.00	0	0	0	100	0.00	0.0	1.369	0.018	0	0	0	1
PD.10215	PL.68229	C	65T	7.34Y	122.4	0.00	2.65	0.00	0	0	0	100	0.00	0.0	1.369	0.018	0	0	0	1
PL.68230	PD.10215	C	#1/0 ACSR	7.34Y	122.4	0.00	2.65	0.00	0	0	0	100	0.00	0.0	1.397	0.028	0	0	1	1
PL.67499	PL.68296	ABC	336 MCM AC	7.34Y	122.3	0.01	2.66	15.85	3	319	141	91	0.02	0.0	1.449	0.098	0	0	0	5
PL.67853	PL.67499	ABC	336 MCM AC	7.34Y	122.3	0.02	2.68	15.85	3	319	141	91	0.04	0.0	1.615	0.166	0	0	0	5
PL.68297	PL.67853	ABC	1/0 AL URD	7.34Y	122.3	0.00	2.68	0.01	0	0	0	100	0.00	0.0	1.620	0.005	0	0	0	1
PD.10249	PL.68297	ABC	65T	7.34Y	122.3	0.00	2.68	0.01	0	0	0	100	0.00	0.0	1.620	0.005	0	0	0	1
PL.68298	PD.10249	ABC	1/0 AL URD	7.34Y	122.3	0.00	2.68	0.01	0	0	0	100	0.00	0.0	1.686	0.066	0	0	1	1
PL.68181	PL.67853	ABC	336 MCM AC	7.34Y	122.3	0.01	2.69	15.84	3	319	141	91	0.01	0.0	1.659	0.043	2	1	1	4
PL.68182	PL.68181	ABC	336 MCM AC	7.34Y	122.3	0.00	2.69	15.72	3	317	139	92	0.00	0.0	1.663	0.004	0	0	0	3
PL.68299	PL.68182	ABC	1/0 AL URD	7.34Y	122.3	0.00	2.69	13.10	8	260	126	90	0.00	0.0	1.667	0.005	0	0	0	1
PD.10250	PL.68299	ABC	65T	7.34Y	122.3	0.00	2.69	13.10	0	260	126	90	0.00	0.0	1.667	0.005	0	0	0	1
PL.68300	PD.10250	ABC	1/0 AL URD	7.34Y	122.3	0.00	2.70	13.10	8	260	126	90	0.01	0.0	1.697	0.030	260	126	1	1
PL.68249	PL.68182	A	1/0 AL URD	7.34Y	122.3	0.00	2.69	7.99	5	57	14	97	0.00	0.0	1.667	0.005	0	0	0	2
PD.10225	PL.68249	A	65T	7.34Y	122.3	0.00	2.69	7.99	0	57	14	97	0.00	0.0	1.667	0.005	0	0	0	2
PL.68250	PD.10225	A	1/0 AL URD	7.34Y	122.3	0.01	2.70	7.99	5	57	14	97	0.00	0.0	1.740	0.073	40	10	1	2
PL.68185	PL.68250	A	1/0 AL URD	7.34Y	122.3	0.00	2.70	2.39	1	17	4	97	0.00	0.0	1.770	0.030	17	4	1	1
PL.68231	PL.67791	A	6 A (CWC)	7.34Y	122.4	0.00	2.64	9.65	7	69	17	97	0.00	0.0	1.257	0.005	0	0	0	16
PD.10216	PL.68231	A	65T	7.34Y	122.4	0.00	2.64	9.65	0	69	17	97	0.00	0.0	1.257	0.005	0	0	0	16
PL.68232	PD.10216	A	6 A (CWC)	7.34Y	122.4	0.01	2.65	9.65	7	69	17	97	0.00	0.0	1.300	0.043	69	17	16	16

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

Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.68243	PL.68308	C	#4 ACSR	7.36Y	122.7	0.00	2.31	0.02	0	0	0	100	0.00	0.0	1.091	0.005	0	0	0	1
PD.10222	PL.68243	C	65T	7.36Y	122.7	0.00	2.31	0.02	0	0	0	100	0.00	0.0	1.091	0.005	0	0	0	1
PL.68244	PD.10222	C	#4 ACSR	7.36Y	122.7	0.00	2.31	0.02	0	0	0	100	0.00	0.0	1.147	0.056	0	0	0	1
PL.68151	PL.68244	C	#4 ACSR	7.36Y	122.7	0.00	2.31	0.02	0	0	0	100	0.00	0.0	1.176	0.029	0	0	1	1
PL.67487	McKee	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	85.72	16	1832	604	95	0.01	0.0	0.006	0.006	0	0	0	205
PL.72501	PL.67487	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	85.72	16	1832	603	95	0.00	0.0	0.008	0.002	0	0	0	205
---------- Feeder No. 5 (McKee F5) Beginning with Device PD.10786 ----------																				
PD.10786	PL.72501	ABC	400VWE	7.50Y	125.0	0.00	0.00	85.72	0	1832	603	95	0.00	0.0	0.008	0.002	0	0	0	205
PL.72502	PD.10786	ABC	397 SPACER	7.50Y	125.0	0.00	0.01	85.72	16	1832	603	95	0.01	0.0	0.017	0.009	0	0	0	205
PL.67374	PL.72502	ABC	397 SPACER	7.50Y	125.0	0.01	0.01	36.71	7	786	255	95	0.01	0.0	0.070	0.053	0	0	0	110
PL.67398	PL.67374	ABC	397 SPACER	7.50Y	125.0	0.00	0.01	36.71	7	786	255	95	0.00	0.0	0.092	0.022	0	0	0	110
PL.67399	PL.67398	ABC	397 SPACER	7.50Y	125.0	0.00	0.02	36.71	7	786	255	95	0.01	0.0	0.124	0.032	0	0	0	110
PL.67420	PL.67399	ABC	397 SPACER	7.50Y	125.0	0.00	0.02	36.71	7	786	255	95	0.00	0.0	0.148	0.024	4	1	1	110
PL.67421	PL.67420	ABC	397 SPACER	7.50Y	125.0	0.00	0.02	36.51	7	781	253	95	0.00	0.0	0.167	0.019	0	0	0	109
PL.67427	PL.67421	ABC	397 SPACER	7.50Y	125.0	0.01	0.03	36.51	7	781	253	95	0.01	0.0	0.239	0.073	6	1	1	109
PL.67428	PL.67427	ABC	397 SPACER	7.50Y	125.0	0.00	0.04	36.23	7	775	252	95	0.01	0.0	0.269	0.029	0	0	0	108
PL.67377	PL.67428	ABC	397 SPACER	7.50Y	125.0	0.00	0.04	36.23	7	775	252	95	0.01	0.0	0.303	0.034	50	12	4	108
PL.67378	PL.67377	ABC	397 SPACER	7.50Y	125.0	0.00	0.04	33.95	7	725	240	95	0.01	0.0	0.344	0.041	8	2	5	104
PL.67443	PL.67378	ABC	336 MCM AC	7.50Y	124.9	0.01	0.05	32.73	6	698	233	95	0.03	0.0	0.374	0.031	58	28	1	88
PL.67444	PL.67443	ABC	336 MCM AC	7.50Y	124.9	0.00	0.05	29.90	6	641	205	95	0.00	0.0	0.381	0.006	11	5	1	87
PL.67429	PL.67444	ABC	336 MCM AC	7.50Y	124.9	0.01	0.06	29.36	6	629	200	95	0.02	0.0	0.412	0.031	103	44	8	86
PL.67445	PL.67429	ABC	336 MCM AC	7.50Y	124.9	0.00	0.06	24.41	5	526	156	96	0.01	0.0	0.431	0.019	98	24	33	78
PL.67446	PL.67445	ABC	336 MCM AC	7.50Y	124.9	0.00	0.07	19.96	4	429	132	96	0.01	0.0	0.458	0.028	0	0	0	45
PL.67409	PL.67446	ABC	336 MCM AC	7.50Y	124.9	0.01	0.07	19.96	4	429	132	96	0.01	0.0	0.491	0.033	0	0	0	45
PL.67475	PL.67409	ABC	#4 ACSR	7.50Y	124.9	0.00	0.07	6.01	5	126	50	93	0.00	0.0	0.496	0.005	0	0	0	2
PD.10158	PL.67475	ABC	65T	7.50Y	124.9	0.00	0.07	6.01	0	126	50	93	0.00	0.0	0.496	0.005	0	0	0	2
PL.67476	PD.10158	ABC	#4 ACSR	7.50Y	124.9	0.00	0.07	6.01	5	126	50	93	0.00	0.0	0.500	0.005	126	50	2	2
PL.67410	PL.67409	ABC	336 MCM AC	7.50Y	124.9	0.00	0.07	13.98	3	303	83	96	0.00	0.0	0.508	0.017	68	16	8	43
PL.67407	PL.67410	A	#4 ACSR	7.49Y	124.9	0.01	0.09	14.58	11	106	26	97	0.01	0.0	0.528	0.020	0	0	0	23

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.67469	PL.67407	A	#4 ACSR	7.49Y	124.9	0.00	0.09	4.98	4	36	9	97	0.00	0.0	0.533	0.005	0	0	0	15
PD.10155	PL.67469	A	65T	7.49Y	124.9	0.00	0.09	4.98	0	36	9	97	0.00	0.0	0.533	0.005	0	0	0	15
PL.67470	PD.10155	A	#4 ACSR	7.49Y	124.9	0.01	0.09	4.98	4	36	9	97	0.00	0.0	0.570	0.037	18	4	7	15
PL.67382	PL.67470	A	#4 ACSR	7.49Y	124.9	0.00	0.10	2.55	2	19	4	98	0.00	0.0	0.599	0.029	19	4	8	8
PL.67473	PL.67407	A	#4 ACSR	7.49Y	124.9	0.00	0.09	9.60	7	70	17	97	0.00	0.0	0.533	0.005	0	0	0	8
PD.10157	PL.67473	A	65T	7.49Y	124.9	0.00	0.09	9.60	0	70	17	97	0.00	0.0	0.533	0.005	0	0	0	8
PL.67474	PD.10157	A	#4 ACSR	7.49Y	124.9	0.01	0.09	9.60	7	70	17	97	0.00	0.0	0.557	0.025	70	17	8	8
PL.67447	PL.67410	ABC	336 MCM AC	7.50Y	124.9	0.00	0.08	6.00	1	129	41	95	0.00	0.0	0.552	0.043	31	7	2	12
PL.67448	PL.67447	ABC	336 MCM AC	7.50Y	124.9	0.00	0.08	4.59	1	98	33	95	0.00	0.0	0.569	0.017	15	4	1	10
PL.72576	PL.67448	ABC	500 MCM AL	7.50Y	124.9	0.00	0.08	0.00	0	0	0	100	0.00	0.0	0.581	0.012	0	0	0	0
PL.67438	PL.67448	ABC	336 MCM AC	7.50Y	124.9	0.00	0.08	3.93	1	83	30	94	0.00	0.0	0.590	0.021	44	11	8	9
PL.67449	PL.67438	ABC	336 MCM AC	7.50Y	124.9	0.00	0.08	1.94	0	39	19	90	0.00	0.0	0.626	0.035	39	19	1	1
PL.67450	PL.67449	ABC	336 MCM AC	7.50Y	124.9	0.00	0.08	0.00	0	0	0	100	0.00	0.0	0.647	0.022	0	0	0	0
PL.66523	PL.67450	ABC	336 MCM AC	7.50Y	124.9	0.00	0.08	0.00	0	0	0	100	0.00	0.0	0.652	0.005	0	0	0	0
PD.10163-A	PL.66523	ABC	Open	7.50Y	124.9	0.00	0.08	0.00	0	0	0	100	0.00	0.0	0.652	0.005	0	0	0	0
PL.67379	PL.67378	ABC	397 SPACER	7.50Y	125.0	0.00	0.04	0.67	0	15	4	97	0.00	0.0	0.387	0.043	0	0	0	10
PL.67380	PL.67379	ABC	397 SPACER	7.50Y	125.0	0.00	0.05	0.67	0	15	4	97	0.00	0.0	0.434	0.047	0	0	0	10
PL.67381	PL.67380	ABC	397 SPACER	7.50Y	125.0	0.00	0.05	0.67	0	15	4	97	0.00	0.0	0.483	0.049	0	0	0	10
PL.67471	PL.67381	C	#4 ACSR	7.50Y	125.0	0.00	0.05	2.01	2	15	4	97	0.00	0.0	0.487	0.004	0	0	0	10
PD.10156	PL.67471	C	65T	7.50Y	125.0	0.00	0.05	2.01	0	15	4	97	0.00	0.0	0.487	0.004	0	0	0	10
PL.67472	PD.10156	C	#4 ACSR	7.50Y	125.0	0.00	0.05	2.01	2	15	4	97	0.00	0.0	0.496	0.009	15	4	10	10
PL.67463	PL.67378	A	#4 ACSR	7.50Y	125.0	0.00	0.05	0.57	0	4	1	97	0.00	0.0	0.355	0.011	0	0	0	1
PD.10152	PL.67463	A	50T	7.50Y	125.0	0.00	0.05	0.57	0	4	1	97	0.00	0.0	0.355	0.011	0	0	0	1
PL.67464	PD.10152	A	#4 ACSR	7.50Y	125.0	0.00	0.05	0.57	0	4	1	97	0.00	0.0	0.436	0.081	0	0	0	1
PL.67404	PL.67464	A	#4 ACSR	7.50Y	125.0	0.00	0.05	0.57	0	4	1	97	0.00	0.0	0.596	0.160	4	1	1	1
PL.67375	PL.72502	ABC	397 SPACER	7.50Y	125.0	0.00	0.01	49.01	9	1046	349	95	0.00	0.0	0.019	0.002	0	0	0	95
PL.67424	PL.67375	ABC	336 MCM AC	7.50Y	125.0	0.03	0.03	49.01	9	1046	349	95	0.14	0.0	0.087	0.068	10	2	3	95
PL.67425	PL.67424	ABC	336 MCM AC	7.50Y	125.0	0.01	0.05	48.58	9	1036	346	95	0.08	0.0	0.125	0.038	0	0	0	92
PL.67426	PL.67425	C	#4 ACSR	7.50Y	124.9	0.00	0.05	4.05	3	30	7	97	0.00	0.0	0.153	0.028	5	1	2	7
PL.67411	PL.67426	C	#4 ACSR	7.50Y	124.9	0.01	0.06	3.37	3	25	6	97	0.00	0.0	0.198	0.045	0	0	0	5
PD.10150	PL.67411	C	65T	7.50Y	124.9	0.00	0.06	3.37	0	25	6	97	0.00	0.0	0.198	0.045	0	0	0	5

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.67460	PD.10150	C	#4 ACSR	7.50Y	124.9	0.00	0.06	3.37	3	25	6	97	0.00	0.0	0.223	0.025	25	6	5	5
PL.67391	PL.67425	ABC	336 MCM AC	7.50Y	124.9	0.03	0.08	47.23	9	1007	339	95	0.15	0.0	0.203	0.078	0	0	0	85
PL.67461	PL.67391	A	#4 ACSR	7.50Y	124.9	0.00	0.08	2.45	2	18	4	98	0.00	0.0	0.208	0.005	0	0	0	4
PD.10151	PL.67461	A	65T	7.50Y	124.9	0.00	0.08	2.45	0	18	4	98	0.00	0.0	0.208	0.005	0	0	0	4
PL.67462	PD.10151	A	#4 ACSR	7.50Y	124.9	0.00	0.08	2.45	2	18	4	98	0.00	0.0	0.251	0.043	18	4	4	4
PL.67392	PL.67391	ABC	336 MCM AC	7.49Y	124.9	0.01	0.09	46.42	9	989	334	95	0.07	0.0	0.241	0.038	0	0	1	81
PL.67376	PL.67392	ABC	336 MCM AC	7.49Y	124.9	0.02	0.11	46.42	9	989	334	95	0.11	0.0	0.301	0.060	3	1	1	80
PL.67393	PL.67376	ABC	336 MCM AC	7.49Y	124.9	0.01	0.12	46.27	9	985	333	95	0.05	0.0	0.328	0.027	10	2	3	79
PL.67422	PL.67393	ABC	336 MCM AC	7.49Y	124.9	0.01	0.13	45.81	9	975	330	95	0.04	0.0	0.349	0.021	0	0	0	76
PL.67423	PL.67422	ABC	336 MCM AC	7.49Y	124.9	0.01	0.14	45.81	9	975	330	95	0.03	0.0	0.367	0.018	6	1	2	76
PL.67456	PL.67423	ABC	336 MCM AC	7.49Y	124.9	0.01	0.14	45.54	9	969	329	95	0.04	0.0	0.393	0.025	36	9	1	74
PL.67457	PL.67456	ABC	336 MCM AC	7.49Y	124.9	0.00	0.15	43.91	8	933	320	95	0.01	0.0	0.399	0.006	0	0	0	73
PL.67479	PL.67457	B	#1/0 ACSR	7.49Y	124.9	0.00	0.15	25.71	11	187	45	97	0.00	0.0	0.402	0.003	0	0	0	29
PD.10165	PL.67479	B	50L	7.49Y	124.9	0.00	0.15	25.71	51	187	45	97	0.00	0.0	0.402	0.003	0	0	0	29
PL.67480	PD.10165	B	#1/0 ACSR	7.49Y	124.8	0.02	0.17	25.71	11	187	45	97	0.03	0.0	0.444	0.042	19	5	2	29
PL.67433	PL.67480	B	#1/0 ACSR	7.49Y	124.8	0.01	0.19	23.09	10	168	41	97	0.01	0.0	0.471	0.027	13	3	1	27
PL.66520	PL.67433	B	#1/0 ACSR	7.49Y	124.8	0.02	0.21	21.30	9	155	38	97	0.02	0.0	0.517	0.047	9	2	1	26
PL.66521	PL.66520	B	#1/0 ACSR	7.49Y	124.8	0.00	0.21	2.24	1	16	4	97	0.00	0.0	0.545	0.027	16	4	3	3
PL.67434	PL.66520	B	#1/0 ACSR	7.49Y	124.8	0.02	0.23	17.81	8	130	31	97	0.02	0.0	0.570	0.053	7	2	1	22
PL.67435	PL.67434	B	#1/0 ACSR	7.49Y	124.8	0.02	0.25	16.91	7	123	30	97	0.01	0.0	0.630	0.060	40	10	2	21
PL.67432	PL.67435	B	#1/0 ACSR	7.48Y	124.7	0.01	0.25	11.42	5	83	20	97	0.00	0.0	0.659	0.030	6	2	1	19
PL.66530	PL.67432	B	#1/0 ACSR	7.48Y	124.7	0.02	0.27	10.53	5	77	19	97	0.01	0.0	0.727	0.068	7	2	1	18
PL.67396	PL.66530	B	#1/0 ACSR	7.48Y	124.7	0.03	0.30	9.61	4	70	17	97	0.02	0.0	0.879	0.152	0	0	0	16
PL.67401	PL.67396	B	#1/0 ACSR	7.48Y	124.7	0.03	0.33	9.61	4	70	17	97	0.01	0.0	1.015	0.136	0	0	0	16
PL.67402	PL.67401	B	#1/0 ACSR	7.48Y	124.7	0.02	0.35	9.61	4	70	17	97	0.01	0.0	1.086	0.071	0	0	0	16
PL.67388	PL.67402	B	#1/0 ACSR	7.48Y	124.6	0.04	0.38	9.61	4	70	17	97	0.02	0.0	1.253	0.167	0	0	0	16
PL.67403	PL.67388	B	#1/0 ACSR	7.48Y	124.6	0.03	0.41	9.61	4	70	17	97	0.01	0.0	1.382	0.129	0	0	0	16
PL.67390	PL.67403	B	#1/0 ACSR	7.48Y	124.6	0.00	0.41	1.79	1	13	3	97	0.00	0.0	1.440	0.058	13	3	2	2
PL.67397	PL.67403	B	#1/0 ACSR	7.48Y	124.6	0.00	0.42	7.82	3	57	14	97	0.00	0.0	1.408	0.025	0	0	0	14
PL.67389	PL.67397	B	#1/0 ACSR	7.47Y	124.6	0.00	0.42	0.92	0	7	2	96	0.00	0.0	1.438	0.030	7	2	1	1
PL.67387	PL.67397	B	#1/0 ACSR	7.47Y	124.6	0.01	0.43	6.90	3	50	12	97	0.00	0.0	1.496	0.088	6	1	1	13

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Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.67419	PL.67387	B	#1/0 ACSR	7.47Y	124.6	0.01	0.44	6.09	3	44	11	97	0.00	0.0	1.543	0.047	7	2	1	12
PL.67418	PL.67419	B	#1/0 ACSR	7.47Y	124.6	0.01	0.45	5.11	2	37	9	97	0.00	0.0	1.661	0.118	0	0	0	11
PL.67416	PL.67418	B	6 A (CWC)	7.47Y	124.5	0.00	0.45	1.79	1	13	3	97	0.00	0.0	1.728	0.067	3	1	1	4
PL.67417	PL.67416	B	6 A (CWC)	7.47Y	124.5	0.01	0.46	1.36	1	10	2	98	0.00	0.0	1.863	0.136	0	0	0	3
PL.67386	PL.67417	B	#4 ACSR	7.47Y	124.5	0.00	0.47	1.36	1	10	2	98	0.00	0.0	1.979	0.116	10	2	3	3
PL.67414	PL.67418	B	#1/0 ACSR	7.47Y	124.5	0.00	0.45	3.32	1	24	6	97	0.00	0.0	1.702	0.041	13	3	2	7
PL.67415	PL.67414	B	#1/0 ACSR	7.47Y	124.5	0.00	0.45	1.50	1	11	3	96	0.00	0.0	1.736	0.034	4	1	2	5
PL.67385	PL.67415	B	#4 ACSR	7.47Y	124.5	0.00	0.45	0.22	0	2	0	100	0.00	0.0	1.778	0.043	2	0	1	1
PL.66531	PL.67415	B	#4 ACSR	7.47Y	124.5	0.00	0.45	0.76	1	6	1	99	0.00	0.0	1.777	0.041	6	1	2	2
PL.67467	PL.66530	B	#4 ACSR	7.48Y	124.7	0.00	0.27	0.00	0	0	0	100	0.00	0.0	0.732	0.005	0	0	0	1
PD.10154	PL.67467	B	20T	7.48Y	124.7	0.00	0.27	0.00	0	0	0	100	0.00	0.0	0.732	0.005	0	0	0	1
PL.67468	PD.10154	B	#4 ACSR	7.48Y	124.7	0.00	0.27	0.00	0	0	0	100	0.00	0.0	0.765	0.033	0	0	0	1
PL.67436	PL.67468	B	#4 ACSR	7.48Y	124.7	0.00	0.27	0.00	0	0	0	100	0.00	0.0	0.885	0.120	0	0	1	1
PL.67437	PL.67436	B	#4 ACSR	7.48Y	124.7	0.00	0.27	0.00	0	0	0	100	0.00	0.0	0.961	0.076	0	0	0	0
PL.66519	PL.67433	B	#4 ACSR	7.49Y	124.8	0.00	0.19	0.00	0	0	0	100	0.00	0.0	0.553	0.083	0	0	0	0
PL.67394	PL.67457	ABC	336 MCM AC	7.49Y	124.9	0.00	0.15	35.38	7	746	275	94	0.01	0.0	0.409	0.010	0	0	0	44
PL.67383	PL.67394	ABC	#4 ACSR	7.49Y	124.8	0.00	0.15	5.48	4	113	49	92	0.00	0.0	0.412	0.003	0	0	0	7
PD.10161	PL.67383	ABC	65T	7.49Y	124.8	0.00	0.15	5.48	0	113	49	92	0.00	0.0	0.412	0.003	0	0	0	7
PL.67395	PD.10161	ABC	#4 ACSR	7.49Y	124.8	0.00	0.15	5.48	4	113	49	92	0.00	0.0	0.414	0.003	113	49	7	7
PL.67412	PL.67394	ABC	336 MCM AC	7.49Y	124.8	0.00	0.15	29.91	6	633	225	94	0.00	0.0	0.411	0.002	0	0	0	37
PL.67413	PL.67412	ABC	336 MCM AC	7.49Y	124.8	0.01	0.16	29.91	6	633	225	94	0.04	0.0	0.468	0.057	0	0	0	37
PL.67430	PL.67413	ABC	336 MCM AC	7.49Y	124.8	0.01	0.17	26.53	5	559	207	94	0.02	0.0	0.507	0.039	0	0	0	31
PL.67431	PL.67430	ABC	336 MCM AC	7.49Y	124.8	0.01	0.18	26.53	5	559	207	94	0.03	0.0	0.559	0.052	13	3	3	31
PL.66522	PL.67431	ABC	336 MCM AC	7.49Y	124.8	0.01	0.19	25.92	5	546	204	94	0.03	0.0	0.613	0.054	0	0	0	28
PL.66524	PL.66522	ABC	336 MCM AC	7.49Y	124.8	0.00	0.20	25.92	5	546	204	94	0.01	0.0	0.623	0.010	0	0	0	28
PD.10164-A	PL.66524	ABC	Closed	7.49Y	124.8	0.00	0.20	25.92	0	546	204	94	0.00	0.0	0.623	0.010	0	0	0	28
PD.10164-B	PD.10164-A	ABC	Closed	7.49Y	124.8	0.00	0.20	25.92	0	546	204	94	0.00	0.0	0.623	0.010	0	0	0	28
PL.67405	PD.10164-B	ABC	336 MCM AC	7.49Y	124.8	0.00	0.20	25.92	5	546	204	94	0.00	0.0	0.628	0.005	20	5	2	28
PL.67451	PL.67405	ABC	336 MCM AC	7.49Y	124.8	0.01	0.20	25.01	5	525	199	94	0.01	0.0	0.655	0.027	59	27	3	26
PL.67452	PL.67451	ABC	336 MCM AC	7.49Y	124.8	0.01	0.22	22.14	4	467	172	94	0.03	0.0	0.726	0.071	17	4	2	23
PL.67439	PL.67452	ABC	336 MCM AC	7.49Y	124.8	0.01	0.22	21.37	4	450	168	94	0.02	0.0	0.768	0.042	0	0	0	21

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

Balanced Voltage Drop Report
Source: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.67477	PL.67439	ABC	#1/0 ACSR	7.49Y	124.8	0.00	0.23	20.37	9	428	163	93	0.01	0.0	0.772	0.005	0	0	0	18
PD.10159	PL.67477	ABC	65T	7.49Y	124.8	0.00	0.23	20.37	0	428	163	93	0.00	0.0	0.772	0.005	0	0	0	18
PL.67478	PD.10159	ABC	#1/0 ACSR	7.49Y	124.8	0.02	0.24	20.37	9	428	163	93	0.05	0.0	0.813	0.041	0	0	0	18
PL.67453	PL.67478	ABC	#4 ACSR	7.48Y	124.7	0.01	0.25	20.37	16	428	163	93	0.03	0.0	0.830	0.017	150	73	1	18
PL.67454	PL.67453	ABC	#4 ACSR	7.48Y	124.7	0.01	0.26	12.99	10	278	90	95	0.02	0.0	0.854	0.023	47	11	1	17
PL.67455	PL.67454	ABC	#4 ACSR	7.48Y	124.7	0.00	0.27	10.84	8	230	79	95	0.01	0.0	0.863	0.010	14	3	2	16
PL.67440	PL.67455	ABC	#4 ACSR	7.48Y	124.7	0.01	0.28	10.21	8	217	75	95	0.02	0.0	0.889	0.026	29	7	5	14
PL.67441	PL.67440	ABC	#4 ACSR	7.48Y	124.7	0.01	0.28	8.87	7	187	68	94	0.01	0.0	0.909	0.020	24	6	3	9
PL.67442	PL.67441	ABC	#4 ACSR	7.48Y	124.7	0.01	0.29	7.76	6	163	62	93	0.01	0.0	0.953	0.044	95	46	1	6
PL.66528	PL.67442	C	#4 ACSR	7.48Y	124.7	0.00	0.29	3.20	2	23	6	97	0.00	0.0	0.962	0.009	23	6	2	2
PL.66529	PL.67442	A	#4 ACSR	7.48Y	124.7	0.00	0.29	6.10	5	44	11	97	0.00	0.0	0.970	0.017	44	11	3	3
PL.66527	PL.67478	ABC	#1/0 ACSR	7.49Y	124.8	0.00	0.24	0.00	0	0	0	100	0.00	0.0	0.830	0.017	0	0	0	0
PL.66525	PL.67439	ABC	336 MCM AC	7.49Y	124.8	0.00	0.22	0.00	0	0	0	100	0.00	0.0	0.827	0.059	0	0	0	0
PD.10162-A	PL.66525	ABC	Open	7.49Y	124.8	0.00	0.22	0.00	0	0	0	100	0.00	0.0	0.827	0.059	0	0	0	0
PL.66526	PL.67439	A	#4 ACSR	7.49Y	124.8	0.00	0.22	3.02	2	22	5	98	0.00	0.0	0.783	0.016	22	5	3	3
PL.67408	PL.67405	ABC	336 MCM AC	7.49Y	124.8	0.00	0.20	0.00	0	0	0	100	0.00	0.0	0.632	0.005	0	0	0	0
PD.10163-B	PL.67408	ABC	Open	7.49Y	124.8	0.00	0.20	0.00	0	0	0	100	0.00	0.0	0.632	0.005	0	0	0	0
PL.67465	PL.67413	C	#4 ACSR	7.49Y	124.8	0.00	0.16	3.92	3	29	7	97	0.00	0.0	0.473	0.005	0	0	0	3
PD.10153	PL.67465	C	65T	7.49Y	124.8	0.00	0.16	3.92	0	29	7	97	0.00	0.0	0.473	0.005	0	0	0	3
PL.67466	PD.10153	C	#4 ACSR	7.49Y	124.8	0.00	0.17	3.92	3	29	7	97	0.00	0.0	0.486	0.013	29	7	3	3
PL.67384	PL.67413	ABC	#4 ACSR	7.49Y	124.8	0.00	0.16	2.09	2	46	11	97	0.00	0.0	0.473	0.005	0	0	0	3
PD.10160	PL.67384	ABC	65T	7.49Y	124.8	0.00	0.16	2.09	0	46	11	97	0.00	0.0	0.473	0.005	0	0	0	3
PL.67400	PD.10160	ABC	#4 ACSR	7.49Y	124.8	0.00	0.16	2.09	2	46	11	97	0.00	0.0	0.478	0.006	46	11	3	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

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	11605	0	0	0	0	0	179	0.00	11784
KVAR	3534	0	0	0	0	0	353		3887

Lowest Voltage = 118.60 on Element PL.67936
Max Accm VoltD = 6.40 on Element PL.67936
Max Elem VoltD = 0.34 on Element PL.67852

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: McKee

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru