Balanced Voltage Drop Report
Source: Annville

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
Annville		ABC	SRC-Annvil	7.50Y	125.0	0.00	0.00	449.32	0	9599	3174	95	0.00	0.0	0.000	0.000	0	0	0	1514
PL.71149	Annville	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	91.47	18	1983	552	96	0.01	0.0	0.005	0.005	0	0	0	407
PL.72913	PL.71149	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	91.47	18	1983	552	96	0.00	0.0	0.008	0.003	0	0	0	407
---------- Feeder No. 3 (Greenhill F3) Beginning with Device PD.11197 ----------																				
PD.11197	PL.72913	ABC	400VWE	7.50Y	125.0	0.00	0.00	91.47	0	1983	552	96	0.00	0.0	0.008	0.003	0	0	0	407
PL.72914	PD.11197	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	91.47	18	1983	552	96	0.01	0.0	0.016	0.008	0	0	0	407
PL.71711	PL.72914	ABC	397 SPACER	7.50Y	125.0	0.01	0.02	91.47	18	1983	552	96	0.05	0.0	0.063	0.047	0	0	0	407
PL.71712	PL.71711	ABC	336 MCM AC	7.50Y	124.9	0.05	0.07	91.47	18	1982	551	96	0.50	0.0	0.134	0.071	0	0	0	407
PL.71713	PL.71712	ABC	336 MCM AC	7.49Y	124.9	0.07	0.14	91.47	18	1982	550	96	0.78	0.0	0.244	0.110	0	0	0	407
PL.72019	PL.71713	ABC	336 MCM AC	7.48Y	124.7	0.13	0.27	91.47	18	1981	548	96	1.30	0.1	0.429	0.184	0	0	0	407
PL.71717	PL.72019	ABC	336 MCM AC	7.48Y	124.7	0.03	0.29	91.47	18	1980	545	96	0.30	0.0	0.472	0.043	0	0	0	407
PL.71714	PL.71717	ABC	336 MCM AC	7.48Y	124.7	0.02	0.32	91.47	18	1980	545	96	0.21	0.0	0.502	0.030	0	0	0	407
PL.71715	PL.71714	ABC	336 MCM AC	7.48Y	124.6	0.05	0.37	91.47	18	1979	544	96	0.52	0.0	0.576	0.074	0	0	0	407
PL.72020	PL.71715	ABC	336 MCM AC	7.47Y	124.5	0.09	0.46	91.47	18	1979	543	96	0.94	0.0	0.709	0.133	0	0	0	407
PL.72021	PL.72020	ABC	336 MCM AC	7.47Y	124.4	0.12	0.57	91.47	18	1978	541	96	1.23	0.1	0.884	0.174	0	0	0	407
PL.71716	PL.72021	ABC	336 MCM AC	7.46Y	124.4	0.02	0.60	91.47	18	1977	538	96	0.25	0.0	0.919	0.035	0	0	0	407
PL.71718	PL.71716	ABC	336 MCM AC	7.46Y	124.3	0.08	0.68	91.47	18	1976	537	97	0.82	0.0	1.036	0.117	0	0	0	407
PL.72022	PL.71718	ABC	336 MCM AC	7.45Y	124.2	0.08	0.76	91.47	18	1976	535	97	0.84	0.0	1.155	0.119	0	0	0	407
PL.72023	PL.72022	ABC	336 MCM AC	7.45Y	124.2	0.08	0.84	91.47	18	1975	533	97	0.84	0.0	1.274	0.120	0	0	0	407
PL.72024	PL.72023	ABC	336 MCM AC	7.44Y	124.1	0.09	0.93	91.47	18	1974	531	97	0.97	0.0	1.412	0.138	0	0	0	407
PL.71719	PL.72024	ABC	336 MCM AC	7.44Y	124.0	0.02	0.95	91.47	18	1973	529	97	0.25	0.0	1.448	0.036	0	0	0	407
PL.72025	PL.71719	ABC	336 MCM AC	7.44Y	124.0	0.03	0.99	91.47	18	1973	529	97	0.33	0.0	1.495	0.047	0	0	0	407
PL.71720	PL.72025	ABC	336 MCM AC	7.44Y	123.9	0.07	1.05	91.47	18	1972	528	97	0.71	0.0	1.595	0.101	0	0	0	407
PL.71724	PL.71720	ABC	336 MCM AC	7.43Y	123.9	0.08	1.13	91.47	18	1972	526	97	0.83	0.0	1.713	0.118	0	0	0	407
PL.72026	PL.71724	ABC	336 MCM AC	7.43Y	123.8	0.07	1.20	91.47	18	1971	524	97	0.69	0.0	1.811	0.098	0	0	0	407
PL.71723	PL.72026	ABC	336 MCM AC	7.42Y	123.7	0.09	1.28	91.47	18	1970	523	97	0.91	0.0	1.940	0.129	0	0	0	407
PL.72027	PL.71723	ABC	336 MCM AC	7.42Y	123.7	0.06	1.34	91.47	18	1969	520	97	0.64	0.0	2.031	0.091	0	0	0	407
PL.71722	PL.72027	ABC	336 MCM AC	7.42Y	123.6	0.03	1.38	91.47	18	1969	519	97	0.33	0.0	2.077	0.046	0	0	0	407
PL.71721	PL.71722	ABC	336 MCM AC	7.42Y	123.6	0.03	1.40	91.47	18	1968	518	97	0.27	0.0	2.115	0.038	0	0	0	407
PL.71725	PL.71721	ABC	#1/0 ACSR	7.41Y	123.5	0.05	1.45	91.47	40	1968	518	97	0.71	0.0	2.147	0.032	0	0	0	407

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

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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.71726	PL.71725	ABC	#1/0 ACSR	7.41Y	123.4	0.11	1.57	91.47	40	1967	517	97	1.53	0.1	2.216	0.069	0	0	0	407
PL.72400	PL.71726	ABC	#1/0 ACSR	7.41Y	123.4	0.01	1.57	91.47	40	1966	515	97	0.10	0.0	2.220	0.005	0	0	0	407
PD.10756-A	PL.72400	ABC	Closed	7.41Y	123.4	0.00	1.57	91.47	0	1966	515	97	0.00	0.0	2.220	0.005	0	0	0	407
PD.10756-B	PD.10756-A	ABC	Closed	7.41Y	123.4	0.00	1.57	91.47	0	1966	515	97	0.00	0.0	2.220	0.005	0	0	0	407
PL.72401	PD.10756-B	ABC	#1/0 ACSR	7.40Y	123.3	0.08	1.65	91.47	40	1966	515	97	1.05	0.1	2.267	0.047	0	0	0	407
PL.72336	PL.72401	C	#4 ACSR	7.40Y	123.3	0.00	1.65	0.10	0	1	0	100	0.00	0.0	2.272	0.005	0	0	0	1
PD.10621	PL.72336	C	65T	7.40Y	123.3	0.00	1.65	0.10	0	1	0	100	0.00	0.0	2.272	0.005	0	0	0	1
PL.72337	PD.10621	C	#4 ACSR	7.40Y	123.3	0.00	1.65	0.10	0	1	0	100	0.00	0.0	2.307	0.035	1	0	1	1
PL.71946	PL.72401	ABC	#1/0 ACSR	7.39Y	123.2	0.11	1.76	91.43	40	1964	514	97	1.51	0.1	2.335	0.068	0	0	0	406
PL.71727	PL.71946	ABC	#1/0 ACSR	7.39Y	123.2	0.04	1.80	91.43	40	1962	513	97	0.52	0.0	2.358	0.023	0	0	0	406
PL.70800	PL.71727	ABC	#1/0 ACSR	7.38Y	123.1	0.12	1.92	90.21	39	1935	506	97	1.57	0.1	2.431	0.073	8	2	1	402
PL.70801	PL.70800	ABC	#1/0 ACSR	7.38Y	123.0	0.06	1.98	89.84	39	1926	502	97	0.84	0.0	2.470	0.039	0	0	1	401
PL.71729	PL.70801	ABC	#1/0 ACSR	7.37Y	122.9	0.15	2.13	89.81	39	1925	501	97	2.03	0.1	2.565	0.094	0	0	0	400
PL.72340	PL.71729	B	6 A (CWC)	7.37Y	122.9	0.00	2.13	1.62	1	12	3	97	0.00	0.0	2.569	0.005	0	0	0	1
PD.10623	PL.72340	B	65T	7.37Y	122.9	0.00	2.13	1.62	0	12	3	97	0.00	0.0	2.569	0.005	0	0	0	1
PL.72341	PD.10623	B	6 A (CWC)	7.37Y	122.9	0.01	2.14	1.62	1	12	3	97	0.00	0.0	2.706	0.137	12	3	1	1
PL.71948	PL.71729	ABC	#1/0 ACSR	7.36Y	122.6	0.22	2.35	89.28	39	1911	497	97	2.95	0.2	2.704	0.139	0	0	0	399
PL.72334	PL.71948	A	#1/0 ACSR	7.36Y	122.6	0.00	2.35	1.62	1	12	3	97	0.00	0.0	2.708	0.005	0	0	0	1
PD.10620	PL.72334	A	65T	7.36Y	122.6	0.00	2.35	1.62	0	12	3	97	0.00	0.0	2.708	0.005	0	0	0	1
PL.72335	PD.10620	A	#1/0 ACSR	7.36Y	122.6	0.00	2.35	1.62	1	12	3	97	0.00	0.0	2.737	0.029	12	3	1	1
PL.71730	PL.71948	ABC	#1/0 ACSR	7.35Y	122.5	0.10	2.46	88.74	39	1896	491	97	1.39	0.1	2.770	0.066	5	1	1	398
PL.71949	PL.71730	ABC	#1/0 ACSR	7.34Y	122.4	0.18	2.64	88.49	38	1890	488	97	2.35	0.1	2.883	0.113	0	0	0	397
PL.71731	PL.71949	ABC	#1/0 ACSR	7.33Y	122.1	0.24	2.88	88.49	38	1887	486	97	3.22	0.2	3.037	0.154	0	0	0	397
PL.71733	PL.71731	ABC	#1/0 ACSR	7.32Y	122.0	0.10	2.98	86.57	38	1843	473	97	1.28	0.1	3.102	0.065	14	3	1	389
PL.72344	PL.71733	A	#1/0 ACSR	7.32Y	122.0	0.00	2.98	2.10	1	15	4	97	0.00	0.0	3.106	0.005	0	0	0	3
PD.10625	PL.72344	A	65T	7.32Y	122.0	0.00	2.98	2.10	0	15	4	97	0.00	0.0	3.106	0.005	0	0	0	3
PL.72345	PD.10625	A	#1/0 ACSR	7.32Y	122.0	0.00	2.98	2.10	1	15	4	97	0.00	0.0	3.246	0.140	12	3	2	3
PL.71735	PL.72345	A	#1/0 ACSR	7.32Y	122.0	0.00	2.98	0.39	0	3	1	95	0.00	0.0	3.286	0.040	3	1	1	1
PL.71734	PL.71733	ABC	#1/0 ACSR	7.31Y	121.9	0.16	3.14	85.23	37	1813	465	97	2.09	0.1	3.210	0.109	7	2	2	385
PL.71737	PL.71734	ABC	#1/0 ACSR	7.30Y	121.7	0.14	3.29	84.92	37	1805	461	97	1.79	0.1	3.304	0.094	9	2	2	383
PL.72378	PL.71737	A	#4 ACSR	7.30Y	121.7	0.00	3.29	0.40	0	3	1	95	0.00	0.0	3.308	0.005	0	0	0	1

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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
PD.10747	PL.72378	A	65T	7.30Y	121.7	0.00	3.29	0.40	0	3	1	95	0.00	0.0	3.308	0.005	0	0	0	1
PL.72379	PD.10747	A	#4 ACSR	7.30Y	121.7	0.00	3.29	0.40	0	3	1	95	0.00	0.0	3.380	0.072	0	0	0	1
PL.71745	PL.72379	A	#4 ACSR	7.30Y	121.7	0.00	3.29	0.40	0	3	1	95	0.00	0.0	3.427	0.046	3	1	1	1
PL.71953	PL.71737	ABC	#1/0 ACSR	7.29Y	121.6	0.16	3.45	84.35	37	1791	457	97	2.03	0.1	3.410	0.107	0	0	0	380
PL.72029	PL.71953	ABC	#1/0 ACSR	7.29Y	121.4	0.14	3.58	84.35	37	1789	455	97	1.71	0.1	3.501	0.090	0	0	0	380
PL.71954	PL.72029	ABC	#1/0 ACSR	7.28Y	121.3	0.08	3.66	83.02	36	1759	446	97	0.99	0.1	3.555	0.054	0	0	0	373
PL.71749	PL.71954	ABC	#1/0 ACSR	7.28Y	121.3	0.07	3.73	83.02	36	1758	445	97	0.85	0.0	3.601	0.046	0	0	0	373
PL.72414	PL.71749	ABC	#1/0 ACSR	7.28Y	121.3	0.01	3.74	83.02	36	1757	444	97	0.08	0.0	3.605	0.004	0	0	0	373
PL.72415	PL.72414	ABC	#1/0 ACSR	7.27Y	121.2	0.06	3.79	83.02	36	1757	444	97	0.72	0.0	3.644	0.039	0	0	0	373
PL.71955	PL.72415	ABC	#1/0 ACSR	7.26Y	121.1	0.15	3.94	82.97	36	1755	443	97	1.82	0.1	3.744	0.099	0	0	0	372
PL.72116	PL.71955	ABC	#1/0 ACSR	7.26Y	121.0	0.10	4.04	46.94	20	992	251	97	0.69	0.1	3.862	0.118	1	0	1	194
PL.72384	PL.72116	ABC	#1/0 ACSR	7.26Y	121.0	0.00	4.04	45.31	20	956	242	97	0.02	0.0	3.866	0.005	0	0	0	190
PL.72385	PL.72384	ABC	#1/0 ACSR	7.26Y	120.9	0.02	4.07	45.31	20	956	242	97	0.15	0.0	3.894	0.027	0	0	0	190
PL.72410	PL.72385	ABC	#1/0 ACSR	7.26Y	120.9	0.00	4.07	45.31	20	956	242	97	0.01	0.0	3.896	0.003	0	0	0	190
PD.10761	PL.72410	ABC	70L	7.26Y	120.9	0.00	4.07	45.31	65	956	242	97	0.00	0.0	3.896	0.003	0	0	0	190
PL.72411	PD.10761	ABC	#1/0 ACSR	7.25Y	120.9	0.04	4.11	45.31	20	956	242	97	0.25	0.0	3.943	0.047	16	4	2	190
PL.71956	PL.72411	ABC	#1/0 ACSR	7.25Y	120.8	0.14	4.25	43.98	19	928	235	97	0.94	0.1	4.125	0.182	0	0	0	186
PL.71757	PL.71956	A	6 A (CWC)	7.24Y	120.7	0.02	4.27	12.15	9	86	21	97	0.01	0.0	4.158	0.033	0	0	0	14
PL.71756	PL.71757	A	#1/0 ACSR	7.24Y	120.7	0.00	4.27	1.43	1	10	2	98	0.00	0.0	4.180	0.022	10	2	1	1
PL.72372	PL.71757	A	6 A (CWC)	7.24Y	120.7	0.00	4.27	10.71	8	75	18	97	0.00	0.0	4.162	0.005	0	0	0	13
PD.10744	PL.72372	A	30T	7.24Y	120.7	0.00	4.27	10.71	0	75	18	97	0.00	0.0	4.162	0.005	0	0	0	13
PL.72373	PD.10744	A	6 A (CWC)	7.24Y	120.7	0.03	4.30	10.71	8	75	18	97	0.02	0.0	4.220	0.058	0	0	0	13
PL.72114	PL.72373	A	6 A (CWC)	7.24Y	120.7	0.02	4.32	8.01	6	56	14	97	0.01	0.0	4.283	0.063	0	0	0	11
PL.72115	PL.72114	A	6 A (CWC)	7.24Y	120.7	0.02	4.34	8.01	6	56	14	97	0.01	0.0	4.346	0.063	0	0	0	11
PL.71761	PL.72115	A	6 A (CWC)	7.24Y	120.7	0.00	4.34	0.00	0	0	0	100	0.00	0.0	4.403	0.057	0	0	1	1
PL.71957	PL.72115	A	6 A (CWC)	7.24Y	120.6	0.03	4.38	8.01	6	56	14	97	0.01	0.0	4.441	0.094	0	0	0	10
PL.72059	PL.71957	A	6 A (CWC)	7.24Y	120.6	0.04	4.41	8.01	6	56	14	97	0.02	0.0	4.537	0.097	0	0	0	10
PL.71958	PL.72059	A	6 A (CWC)	7.23Y	120.6	0.02	4.43	4.50	3	32	8	97	0.00	0.0	4.633	0.095	0	0	0	7
PL.72108	PL.71958	A	6 A (CWC)	7.23Y	120.6	0.02	4.45	4.50	3	32	8	97	0.00	0.0	4.726	0.093	0	0	0	7
PL.71763	PL.72108	A	#1/0 ACSR	7.23Y	120.5	0.00	4.45	1.14	0	8	2	97	0.00	0.0	4.747	0.020	8	2	1	1
PL.72109	PL.72108	A	6 A (CWC)	7.23Y	120.5	0.01	4.46	3.36	2	24	6	97	0.00	0.0	4.792	0.065	1	0	1	6

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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.71764	PL.72109	A	6 A (CWC)	7.23Y	120.5	0.02	4.48	3.26	2	23	6	97	0.00	0.0	4.915	0.124	0	0	0	5
PL.71765	PL.71764	A	6 A (CWC)	7.23Y	120.5	0.00	4.48	0.99	1	7	2	96	0.00	0.0	4.979	0.064	0	0	0	2
PL.71766	PL.71765	A	#4 ACSR	7.23Y	120.5	0.01	4.49	0.99	1	7	2	96	0.00	0.0	5.146	0.167	0	0	0	2
PL.72298	PL.71766	A	#4 ACSR	7.23Y	120.5	0.00	4.49	0.99	1	7	2	96	0.00	0.0	5.222	0.076	0	0	1	2
PL.72299	PL.72298	A	#4 ACSR	7.23Y	120.5	0.00	4.49	0.99	1	7	2	96	0.00	0.0	5.293	0.071	7	2	1	1
PL.71959	PL.71764	A	6 A (CWC)	7.23Y	120.5	0.02	4.50	2.27	2	16	4	97	0.00	0.0	5.088	0.172	0	0	0	3
PL.72296	PL.71959	A	6 A (CWC)	7.23Y	120.5	0.00	4.50	2.27	2	16	4	97	0.00	0.0	5.162	0.074	16	4	2	2
PL.72297	PL.72296	A	6 A (CWC)	7.23Y	120.5	0.00	4.50	0.00	0	0	0	100	0.00	0.0	5.239	0.078	0	0	0	0
PL.71767	PL.71959	A	#4 ACSR	7.23Y	120.5	0.00	4.50	0.00	0	0	0	100	0.00	0.0	5.136	0.048	0	0	1	1
PL.71762	PL.72059	A	6 A (CWC)	7.23Y	120.6	0.02	4.43	3.50	3	25	6	97	0.00	0.0	4.692	0.155	8	2	1	3
PL.71769	PL.71762	A	#4 ACSR	7.23Y	120.6	0.00	4.44	0.97	1	7	2	96	0.00	0.0	4.781	0.089	0	0	0	1
PL.72060	PL.71769	A	#4 ACSR	7.23Y	120.6	0.00	4.44	0.97	1	7	2	96	0.00	0.0	4.884	0.103	7	2	1	1
PL.71768	PL.71762	A	#4 ACSR	7.23Y	120.6	0.00	4.44	1.46	1	10	2	98	0.00	0.0	4.810	0.118	10	2	1	1
PL.71759	PL.72373	A	#4 ACSR	7.24Y	120.7	0.01	4.30	2.71	2	19	5	97	0.00	0.0	4.337	0.117	19	5	2	2
PL.72389	PL.71956	C	#4 ACSR	7.25Y	120.8	0.00	4.25	1.17	1	8	2	97	0.00	0.0	4.130	0.005	0	0	0	2
PD.10751	PL.72389	C	30T	7.25Y	120.8	0.00	4.25	1.17	0	8	2	97	0.00	0.0	4.130	0.005	0	0	0	2
PL.72388	PD.10751	C	#4 ACSR	7.24Y	120.7	0.00	4.25	1.17	1	8	2	97	0.00	0.0	4.220	0.091	8	2	1	2
PL.70802	PL.72388	C	#4 ACSR	7.24Y	120.7	0.00	4.25	0.01	0	0	0	100	0.00	0.0	4.265	0.045	0	0	1	1
PL.71758	PL.71956	ABC	#1/0 ACSR	7.24Y	120.6	0.13	4.38	39.38	17	830	210	97	0.76	0.1	4.308	0.183	0	0	0	169
PL.71770	PL.71758	ABC	#1/0 ACSR	7.23Y	120.6	0.05	4.43	39.38	17	829	209	97	0.31	0.0	4.383	0.075	0	0	0	169
PL.72312	PL.71770	B	#1/0 ACSR	7.23Y	120.6	0.00	4.43	1.13	0	8	2	97	0.00	0.0	4.448	0.065	0	0	0	1
PD.10609	PL.72312	B	30T	7.23Y	120.6	0.00	4.43	1.13	0	8	2	97	0.00	0.0	4.448	0.065	0	0	0	1
PL.72313	PD.10609	B	#1/0 ACSR	7.23Y	120.6	0.00	4.43	1.13	0	8	2	97	0.00	0.0	4.476	0.028	8	2	1	1
PL.72314	PL.71770	C	#4 ACSR	7.23Y	120.6	0.00	4.43	0.67	1	5	1	98	0.00	0.0	4.387	0.005	0	0	0	2
PD.10610	PL.72314	C	30T	7.23Y	120.6	0.00	4.43	0.67	0	5	1	98	0.00	0.0	4.387	0.005	0	0	0	2
PL.72315	PD.10610	C	#4 ACSR	7.23Y	120.6	0.00	4.43	0.67	1	5	1	98	0.00	0.0	4.446	0.059	5	1	2	2
PL.71960	PL.71770	ABC	#1/0 ACSR	7.23Y	120.5	0.03	4.46	38.78	17	816	206	97	0.19	0.0	4.431	0.048	7	2	1	166
PL.72310	PL.71960	A	6 A (CWC)	7.23Y	120.5	0.00	4.46	4.22	3	30	7	97	0.00	0.0	4.436	0.005	0	0	0	5
PD.10608	PL.72310	A	30T	7.23Y	120.5	0.00	4.46	4.22	0	30	7	97	0.00	0.0	4.436	0.005	0	0	0	5
PL.72311	PD.10608	A	6 A (CWC)	7.23Y	120.5	0.02	4.48	4.22	3	30	7	97	0.00	0.0	4.540	0.105	10	2	2	5
PL.71771	PL.72311	A	6 A (CWC)	7.23Y	120.5	0.01	4.49	2.87	2	20	5	97	0.00	0.0	4.604	0.064	11	3	2	3

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

Balanced Voltage Drop Report
Source: Annville

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.71772	PL.71771	A	#4 ACSR	7.23Y	120.5	0.00	4.49	1.25	1	9	2	98	0.00	0.0	4.666	0.062	9	2	1	1
PL.71961	PL.71960	ABC	#1/0 ACSR	7.23Y	120.5	0.07	4.53	37.05	16	779	197	97	0.40	0.1	4.540	0.109	0	0	0	160
PL.72150	PL.71961	ABC	#1/0 ACSR	7.22Y	120.4	0.06	4.60	37.05	16	779	196	97	0.34	0.0	4.634	0.094	5	1	1	160
PL.72151	PL.72150	ABC	#1/0 ACSR	7.22Y	120.3	0.07	4.67	36.83	16	774	195	97	0.39	0.0	4.742	0.108	11	3	1	159
PL.71773	PL.72151	ABC	#1/0 ACSR	7.22Y	120.3	0.06	4.73	36.31	16	763	192	97	0.33	0.0	4.836	0.094	0	0	0	158
PL.72061	PL.71773	ABC	#1/0 ACSR	7.21Y	120.2	0.09	4.82	36.31	16	762	192	97	0.48	0.1	4.974	0.138	14	3	2	158
PL.72402	PL.72061	C	6 A (CWC)	7.21Y	120.2	0.00	4.82	20.92	15	147	36	97	0.00	0.0	4.977	0.003	0	0	0	42
PD.10757	PL.72402	C	35L	7.21Y	120.2	0.00	4.82	20.92	60	147	36	97	0.00	0.0	4.977	0.003	0	0	0	42
PL.72403	PD.10757	C	6 A (CWC)	7.21Y	120.1	0.08	4.90	20.92	15	147	36	97	0.09	0.1	5.064	0.087	5	1	1	42
PL.72148	PL.72403	C	6 A (CWC)	7.20Y	120.0	0.09	4.99	20.27	14	142	35	97	0.10	0.1	5.167	0.103	6	2	1	41
PL.72149	PL.72148	C	6 A (CWC)	7.20Y	119.9	0.07	5.07	19.39	14	136	33	97	0.08	0.1	5.252	0.085	0	0	0	40
PL.72146	PL.72149	C	6 A (CWC)	7.19Y	119.8	0.13	5.19	19.23	14	134	33	97	0.13	0.1	5.401	0.150	4	1	4	39
PL.72147	PL.72146	C	6 A (CWC)	7.19Y	119.8	0.03	5.23	18.60	13	130	32	97	0.03	0.0	5.439	0.038	0	0	0	35
PL.72118	PL.72147	C	6 A (CWC)	7.18Y	119.7	0.07	5.29	17.66	13	123	30	97	0.06	0.0	5.525	0.086	10	2	1	34
PL.72119	PL.72118	C	6 A (CWC)	7.18Y	119.7	0.05	5.35	15.45	11	108	26	97	0.04	0.0	5.602	0.076	0	0	0	32
PL.71787	PL.72119	C	6 A (CWC)	7.18Y	119.6	0.06	5.41	15.45	11	108	26	97	0.05	0.0	5.687	0.085	0	0	1	32
PL.72142	PL.71787	C	6 A (CWC)	7.17Y	119.5	0.06	5.47	12.62	9	88	21	97	0.04	0.0	5.800	0.113	2	1	1	26
PL.72143	PL.72142	C	6 A (CWC)	7.17Y	119.5	0.04	5.51	12.29	9	86	21	97	0.03	0.0	5.873	0.073	0	0	0	25
PL.72138	PL.72143	C	#1/0 ACSR	7.17Y	119.5	0.00	5.51	0.08	0	1	0	100	0.00	0.0	5.908	0.035	0	0	0	1
PL.72139	PL.72138	C	#1/0 ACSR	7.17Y	119.5	0.00	5.51	0.08	0	1	0	100	0.00	0.0	6.012	0.105	0	0	0	1
PL.72062	PL.72139	C	#1/0 ACSR	7.17Y	119.5	0.00	5.51	0.08	0	1	0	100	0.00	0.0	6.145	0.133	0	0	0	1
PL.71963	PL.72062	C	#1/0 ACSR	7.17Y	119.5	0.00	5.51	0.08	0	1	0	100	0.00	0.0	6.176	0.031	1	0	1	1
PL.71962	PL.72143	C	6 A (CWC)	7.17Y	119.4	0.05	5.56	12.22	9	85	21	97	0.03	0.0	5.958	0.085	4	1	2	24
PL.71789	PL.71962	C	6 A (CWC)	7.16Y	119.4	0.04	5.60	11.58	8	81	20	97	0.03	0.0	6.042	0.084	0	0	0	22
PL.71964	PL.71789	C	6 A (CWC)	7.16Y	119.3	0.05	5.65	11.50	8	80	20	97	0.03	0.0	6.144	0.102	2	0	1	21
PL.71965	PL.71964	C	6 A (CWC)	7.16Y	119.3	0.04	5.69	9.05	6	63	15	97	0.02	0.0	6.240	0.097	8	2	3	16
PL.71793	PL.71965	C	#2 ACSR	7.16Y	119.3	0.01	5.70	1.28	1	9	2	98	0.00	0.0	6.389	0.148	0	0	0	3
PL.72063	PL.71793	C	#2 ACSR	7.16Y	119.3	0.00	5.70	1.28	1	9	2	98	0.00	0.0	6.509	0.120	9	2	3	3
PL.71792	PL.71965	C	#2 ACSR	7.16Y	119.3	0.00	5.69	2.00	1	14	3	98	0.00	0.0	6.260	0.019	0	0	0	1
PL.71966	PL.71792	C	#2 ACSR	7.16Y	119.3	0.00	5.69	2.00	1	14	3	98	0.00	0.0	6.339	0.080	14	3	1	1
PL.71794	PL.71965	C	6 A (CWC)	7.16Y	119.3	0.02	5.71	4.69	3	33	8	97	0.01	0.0	6.341	0.101	0	0	0	9

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Balanced Voltage Drop Report
Source: Annville

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.72136	PL.71794	C	6 A (CWC)	7.16Y	119.3	0.02	5.74	3.53	3	25	6	97	0.00	0.0	6.506	0.165	4	1	1	7
PL.72137	PL.72136	C	6 A (CWC)	7.16Y	119.3	0.01	5.74	2.90	2	20	5	97	0.00	0.0	6.549	0.043	2	0	3	6
PL.71796	PL.72137	C	#4 ACSR	7.16Y	119.3	0.01	5.75	2.65	2	18	4	98	0.00	0.0	6.612	0.063	0	0	1	3
PL.71797	PL.71796	C	#4 ACSR	7.15Y	119.2	0.01	5.76	2.65	2	18	4	98	0.00	0.0	6.724	0.112	7	2	1	2
PL.71967	PL.71797	C	#4 ACSR	7.15Y	119.2	0.00	5.76	1.60	1	11	3	96	0.00	0.0	6.791	0.067	11	3	1	1
PL.71795	PL.71794	C	#1/0 ACSR	7.16Y	119.3	0.00	5.71	1.16	1	8	2	97	0.00	0.0	6.408	0.067	8	2	2	2
PL.71791	PL.71964	C	6 A (CWC)	7.16Y	119.3	0.00	5.66	2.20	2	15	4	97	0.00	0.0	6.188	0.044	15	4	4	4
PL.71790	PL.71789	C	6 A (CWC)	7.16Y	119.4	0.00	5.60	0.08	0	1	0	100	0.00	0.0	6.101	0.059	1	0	1	1
PL.72144	PL.71787	C	6 A (CWC)	7.18Y	119.6	0.00	5.41	2.83	2	20	5	97	0.00	0.0	5.719	0.031	5	1	2	5
PL.72145	PL.72144	C	6 A (CWC)	7.17Y	119.6	0.01	5.42	2.13	2	15	4	97	0.00	0.0	5.802	0.084	0	0	0	3
PL.72140	PL.72145	C	6 A (CWC)	7.17Y	119.6	0.01	5.43	2.13	2	15	4	97	0.00	0.0	5.980	0.177	11	3	2	3
PL.72141	PL.72140	C	6 A (CWC)	7.17Y	119.6	0.00	5.43	0.52	0	4	1	97	0.00	0.0	6.027	0.048	0	0	0	1
PL.72117	PL.72141	C	6 A (CWC)	7.17Y	119.6	0.00	5.43	0.00	0	0	0	100	0.00	0.0	6.174	0.146	0	0	0	0
PL.71788	PL.72141	C	#2 ACSR	7.17Y	119.6	0.00	5.43	0.52	0	4	1	97	0.00	0.0	6.080	0.053	4	1	1	1
PL.71786	PL.72118	C	#4 ACSR	7.18Y	119.7	0.00	5.29	0.77	1	5	1	98	0.00	0.0	5.582	0.057	5	1	1	1
PL.71785	PL.72147	C	#2 ACSR	7.19Y	119.8	0.00	5.23	0.94	1	7	2	96	0.00	0.0	5.626	0.187	7	2	1	1
PL.71784	PL.72149	C	6 A (CWC)	7.20Y	119.9	0.00	5.07	0.15	0	1	0	100	0.00	0.0	5.294	0.042	1	0	1	1
PL.71774	PL.72061	ABC	#1/0 ACSR	7.21Y	120.1	0.05	4.86	28.66	12	601	152	97	0.21	0.0	5.069	0.095	0	0	0	114
PL.71798	PL.71774	ABC	#1/0 ACSR	7.21Y	120.1	0.05	4.91	28.10	12	589	149	97	0.20	0.0	5.165	0.097	0	0	0	112
PL.72154	PL.71798	ABC	#1/0 ACSR	7.20Y	120.0	0.07	4.98	28.10	12	589	149	97	0.29	0.0	5.303	0.138	6	2	1	112
PL.72155	PL.72154	ABC	#1/0 ACSR	7.20Y	120.0	0.02	5.00	27.80	12	582	147	97	0.07	0.0	5.337	0.034	0	0	0	111
PL.72152	PL.72155	ABC	#1/0 ACSR	7.20Y	120.0	0.02	5.02	27.56	12	577	145	97	0.08	0.0	5.379	0.042	8	2	1	110
PL.72153	PL.72152	ABC	#1/0 ACSR	7.20Y	119.9	0.05	5.07	27.18	12	569	143	97	0.21	0.0	5.487	0.109	0	0	0	109
PL.71670	PL.72153	ABC	#1/0 ACSR	7.19Y	119.9	0.04	5.11	27.18	12	569	143	97	0.17	0.0	5.572	0.085	0	0	0	109
PL.71671	PL.71670	ABC	#1/0 ACSR	7.19Y	119.9	0.03	5.14	27.18	12	569	143	97	0.12	0.0	5.633	0.061	8	2	1	109
PL.71672	PL.71671	ABC	#1/0 ACSR	7.19Y	119.8	0.08	5.22	26.80	12	561	141	97	0.31	0.1	5.796	0.163	6	2	1	108
PL.71673	PL.71672	ABC	#1/0 ACSR	7.18Y	119.7	0.04	5.26	26.50	12	554	139	97	0.17	0.0	5.885	0.088	0	0	0	107
PL.71800	PL.71673	ABC	#1/0 ACSR	7.18Y	119.7	0.04	5.30	26.02	11	544	137	97	0.16	0.0	5.975	0.091	0	0	0	106
PL.72179	PL.71800	ABC	#1/0 ACSR	7.18Y	119.7	0.04	5.34	25.77	11	539	135	97	0.15	0.0	6.062	0.086	7	2	2	105
PL.72180	PL.72179	ABC	#1/0 ACSR	7.18Y	119.6	0.05	5.39	25.43	11	531	133	97	0.18	0.0	6.166	0.104	0	0	0	103
PL.72065	PL.72180	ABC	#1/0 ACSR	7.17Y	119.5	0.08	5.47	25.43	11	531	133	97	0.32	0.1	6.352	0.186	0	0	0	103

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Balanced Voltage Drop Report
Source: Annville

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.71968	PL.72065	ABC	#1/0 ACSR	7.17Y	119.5	0.04	5.51	23.94	10	500	125	97	0.14	0.0	6.443	0.091	0	0	0	97
PL.71668	PL.71968	ABC	#1/0 ACSR	7.17Y	119.4	0.06	5.57	23.94	10	500	125	97	0.21	0.0	6.579	0.136	2	1	1	97
PL.71669	PL.71668	ABC	#1/0 ACSR	7.16Y	119.4	0.07	5.64	23.84	10	497	124	97	0.24	0.0	6.736	0.157	0	0	0	96
PL.72068	PL.71669	ABC	#1/0 ACSR	7.16Y	119.3	0.08	5.71	23.84	10	497	124	97	0.27	0.1	6.915	0.180	0	0	0	96
PL.72408	PL.72068	ABC	#1/0 ACSR	7.16Y	119.3	0.00	5.71	23.84	10	497	124	97	0.00	0.0	6.918	0.003	0	0	0	96
PD.10760	PL.72408	A C	35L	7.16Y	119.3	0.00	5.71	35.75	69	497	124	97	0.00	0.0	6.918	0.003	0	0	0	96
PL.72409	PD.10760	A C	#1/0 ACSR	7.15Y	119.2	0.08	5.79	35.75	16	497	124	97	0.28	0.1	7.026	0.108	0	0	0	96
PL.71803	PL.72409	C	6 A (CWC)	7.14Y	119.0	0.23	6.02	47.97	34	333	83	97	0.58	0.2	7.131	0.104	0	0	0	65
PL.71850	PL.71803	C	#2 ACSR	7.14Y	119.0	0.00	6.02	1.25	1	9	2	98	0.00	0.0	7.223	0.092	9	2	3	3
PL.71851	PL.71803	C	6 A (CWC)	7.12Y	118.6	0.39	6.41	46.72	33	324	81	97	0.97	0.3	7.314	0.183	0	0	0	62
PL.71852	PL.71851	C	6 A (CWC)	7.12Y	118.6	0.00	6.41	1.30	1	9	2	98	0.00	0.0	7.410	0.096	9	2	1	1
PL.71853	PL.71852	C	6 A (CWC)	7.12Y	118.6	0.00	6.41	0.00	0	0	0	100	0.00	0.0	7.506	0.096	0	0	0	0
PL.72085	PL.71853	C	6 A (CWC)	7.12Y	118.6	0.00	6.41	0.00	0	0	0	100	0.00	0.0	7.686	0.179	0	0	0	0
PL.71979	PL.71851	C	6 A (CWC)	7.10Y	118.4	0.20	6.61	45.42	32	314	78	97	0.49	0.2	7.411	0.097	0	0	0	61
REG23	PL.71979	C	76.2 KVA	7.53Y	125.4	-7.06	-0.45	45.42	45	313	78	97	percent Boost= 0.00			Tap= 0.0				61
PL.72086	REG23	C	6 A (CWC)	7.52Y	125.3	0.19	-0.26	42.86	31	313	78	97	0.43	0.1	7.508	0.097	0	0	0	61
PL.71854	PL.72086	C	6 A (CWC)	7.51Y	125.2	0.03	-0.23	3.82	3	28	7	97	0.01	0.0	7.667	0.158	0	0	0	5
PL.72087	PL.71854	C	6 A (CWC)	7.51Y	125.2	0.02	-0.21	3.82	3	28	7	97	0.00	0.0	7.794	0.127	0	0	0	5
PL.71855	PL.72087	C	6 A (CWC)	7.51Y	125.2	0.02	-0.19	3.82	3	28	7	97	0.00	0.0	7.903	0.109	9	2	3	5
PL.71856	PL.71855	C	6 A (CWC)	7.51Y	125.2	0.00	-0.19	2.56	2	19	5	97	0.00	0.0	7.959	0.057	19	5	2	2
PL.72131	PL.72086	C	6 A (CWC)	7.51Y	125.1	0.17	-0.09	39.04	28	285	70	97	0.35	0.1	7.604	0.096	6	1	1	56
PL.71674	PL.72131	C	#1/0 ACSR	7.51Y	125.1	0.00	-0.09	0.00	0	0	0	100	0.00	0.0	7.692	0.088	0	0	0	0
PL.71675	PL.71674	C	#1/0 ACSR	7.51Y	125.1	0.00	-0.09	0.00	0	0	0	100	0.00	0.0	7.745	0.053	0	0	0	0
PL.72132	PL.72131	C	6 A (CWC)	7.50Y	124.9	0.16	0.07	38.24	27	279	69	97	0.32	0.1	7.694	0.090	0	0	0	55
PL.71857	PL.72132	C	6 A (CWC)	7.48Y	124.6	0.32	0.39	38.24	27	278	69	97	0.66	0.2	7.879	0.185	0	0	0	55
PL.72088	PL.71857	C	6 A (CWC)	7.47Y	124.5	0.13	0.52	38.24	27	278	68	97	0.27	0.1	7.955	0.077	5	1	1	55
PL.71858	PL.72088	C	6 A (CWC)	7.46Y	124.3	0.18	0.69	22.13	16	161	39	97	0.21	0.1	8.131	0.176	0	0	0	26
PL.72089	PL.71858	C	6 A (CWC)	7.45Y	124.1	0.18	0.87	22.13	16	160	39	97	0.21	0.1	8.306	0.174	0	0	0	26
PL.72090	PL.72089	C	6 A (CWC)	7.44Y	124.1	0.07	0.93	22.13	16	160	39	97	0.08	0.0	8.371	0.065	0	0	0	26
PL.71980	PL.72090	C	6 A (CWC)	7.44Y	124.1	0.01	0.94	5.39	4	39	9	97	0.00	0.0	8.402	0.031	6	1	1	6
PL.72329	PL.71980	C	6 A (CWC)	7.44Y	124.1	0.00	0.94	4.57	3	33	8	97	0.00	0.0	8.406	0.005	0	0	0	5

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

Balanced Voltage Drop Report
Source: Annville

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.10617	PL.72329	C	20T	7.44Y	124.1	0.00	0.94	4.57	0	33	8	97	0.00	0.0	8.406	0.005	0	0	0	5
PL.72328	PD.10617	C	6 A (CWC)	7.44Y	124.0	0.01	0.95	4.57	3	33	8	97	0.00	0.0	8.455	0.048	7	2	1	5
PL.71679	PL.72328	C	6 A (CWC)	7.44Y	124.0	0.02	0.97	3.66	3	26	6	97	0.00	0.0	8.560	0.105	0	0	0	4
PL.71879	PL.71679	C	6 A (CWC)	7.44Y	124.0	0.00	0.97	1.02	1	7	2	96	0.00	0.0	8.651	0.091	7	2	1	1
PL.71878	PL.71679	C	6 A (CWC)	7.44Y	124.0	0.01	0.98	2.64	2	19	5	97	0.00	0.0	8.682	0.122	8	2	1	3
PL.71877	PL.71878	C	#4 ACSR	7.44Y	124.0	0.00	0.98	1.56	1	11	3	96	0.00	0.0	8.745	0.064	11	3	2	2
PL.72330	PL.72090	C	6 A (CWC)	7.44Y	124.1	0.00	0.94	16.74	12	121	30	97	0.00	0.0	8.376	0.005	0	0	0	20
PD.10618	PL.72330	C	20T	7.44Y	124.1	0.00	0.94	16.74	0	121	30	97	0.00	0.0	8.376	0.005	0	0	0	20
PL.72331	PD.10618	C	6 A (CWC)	7.44Y	124.0	0.03	0.97	16.74	12	121	30	97	0.03	0.0	8.416	0.041	0	0	0	20
PL.71678	PL.72331	C	6 A (CWC)	7.43Y	123.9	0.12	1.08	15.21	11	110	27	97	0.09	0.1	8.589	0.173	7	2	1	19
PL.72300	PL.71678	C	6 A (CWC)	7.43Y	123.9	0.06	1.14	14.27	10	103	25	97	0.04	0.0	8.678	0.089	0	0	1	18
PL.72301	PL.72300	C	6 A (CWC)	7.43Y	123.8	0.06	1.20	14.24	10	103	25	97	0.04	0.0	8.764	0.087	0	0	0	17
PL.72091	PL.72301	C	6 A (CWC)	7.42Y	123.7	0.07	1.27	14.24	10	103	25	97	0.05	0.1	8.869	0.105	0	0	0	17
PL.71882	PL.72091	C	#1/0 ACSR	7.42Y	123.7	0.00	1.27	1.10	0	8	2	97	0.00	0.0	8.909	0.041	0	0	0	1
PL.72320	PL.71882	C	1/0 AL URD	7.42Y	123.7	0.00	1.27	1.10	1	8	2	97	0.00	0.0	8.914	0.005	0	0	0	1
PD.10613	PL.72320	C	20T	7.42Y	123.7	0.00	1.27	1.10	0	8	2	97	0.00	0.0	8.914	0.005	0	0	0	1
PL.72321	PD.10613	C	1/0 AL URD	7.42Y	123.7	0.00	1.27	1.10	1	8	2	97	0.00	0.0	8.940	0.026	8	2	1	1
PL.71881	PL.72091	C	6 A (CWC)	7.42Y	123.7	0.08	1.35	13.14	9	95	23	97	0.06	0.1	9.006	0.137	0	0	1	16
PL.71981	PL.71881	C	6 A (CWC)	7.42Y	123.6	0.05	1.40	13.14	9	95	23	97	0.04	0.0	9.092	0.086	0	0	0	15
PL.71871	PL.71981	C	6 A (CWC)	7.41Y	123.6	0.02	1.42	5.33	4	38	9	97	0.01	0.0	9.170	0.078	0	0	0	8
PL.72092	PL.71871	C	6 A (CWC)	7.41Y	123.6	0.03	1.45	5.33	4	38	9	97	0.01	0.0	9.299	0.129	0	0	0	8
PL.71982	PL.72092	C	6 A (CWC)	7.41Y	123.5	0.03	1.48	5.33	4	38	9	97	0.01	0.0	9.436	0.137	0	0	0	8
PL.71983	PL.71982	C	6 A (CWC)	7.41Y	123.5	0.03	1.51	4.09	3	29	7	97	0.01	0.0	9.581	0.145	0	0	0	5
PL.71676	PL.71983	C	#4 ACSR	7.41Y	123.5	0.00	1.51	2.01	2	14	4	96	0.00	0.0	9.639	0.058	5	1	1	2
PL.71677	PL.71676	C	#4 ACSR	7.41Y	123.5	0.00	1.51	1.28	1	9	2	98	0.00	0.0	9.685	0.046	9	2	1	1
PL.71875	PL.71677	C	#1/0 ACSR	7.41Y	123.5	0.00	1.51	0.00	0	0	0	100	0.00	0.0	9.723	0.038	0	0	0	0
PL.71873	PL.71983	C	6 A (CWC)	7.41Y	123.5	0.01	1.51	2.08	1	15	4	97	0.00	0.0	9.649	0.068	0	0	0	3
PL.71876	PL.71873	C	#1/0 ACSR	7.41Y	123.5	0.00	1.52	1.73	1	12	3	97	0.00	0.0	9.783	0.134	12	3	1	1
PL.71874	PL.71873	C	6 A (CWC)	7.41Y	123.5	0.00	1.52	0.35	0	3	1	95	0.00	0.0	9.832	0.183	0	0	0	2
PL.72093	PL.71874	C	6 A (CWC)	7.41Y	123.5	0.00	1.52	0.35	0	3	1	95	0.00	0.0	9.980	0.148	3	1	2	2
PL.71872	PL.71982	C	6 A (CWC)	7.41Y	123.5	0.00	1.48	1.24	1	9	2	98	0.00	0.0	9.487	0.051	9	2	3	3

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Balanced Voltage Drop Report
Source: Annville

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.71870	PL.72092	C	#1/0 ACSR	7.41Y	123.6	0.00	1.45	0.00	0	0	0	100	0.00	0.0	9.375	0.076	0	0	0	0
PL.71667	PL.71981	C	6 A (CWC)	7.41Y	123.6	0.03	1.43	7.81	6	56	14	97	0.01	0.0	9.188	0.095	9	2	1	7
PL.72133	PL.71667	C	#1/0 ACSR	7.41Y	123.6	0.00	1.43	6.58	3	47	12	97	0.00	0.0	9.205	0.017	0	0	0	6
PL.72177	PL.72133	C	#1/0 ACSR	7.41Y	123.6	0.00	1.44	4.40	2	32	8	97	0.00	0.0	9.248	0.043	14	3	1	5
PL.72178	PL.72177	C	#1/0 ACSR	7.41Y	123.6	0.00	1.44	2.48	1	18	4	98	0.00	0.0	9.290	0.042	11	3	1	4
PL.72176	PL.72178	C	#1/0 ACSR	7.41Y	123.6	0.00	1.44	1.02	0	7	2	96	0.00	0.0	9.337	0.047	7	2	3	3
PL.71666	PL.72133	C	#1/0 ACSR	7.41Y	123.6	0.00	1.43	2.18	1	16	4	97	0.00	0.0	9.240	0.035	16	4	1	1
PL.71880	PL.72331	C	#1/0 ACSR	7.44Y	124.0	0.00	0.97	1.52	1	11	3	96	0.00	0.0	8.463	0.047	11	3	1	1
PL.72332	PL.72088	C	6 A (CWC)	7.47Y	124.5	0.00	0.52	15.41	11	112	27	97	0.00	0.0	7.960	0.005	0	0	0	28
PD.10619	PL.72332	C	20T	7.47Y	124.5	0.00	0.52	15.41	0	112	27	97	0.00	0.0	7.960	0.005	0	0	0	28
PL.72333	PD.10619	C	6 A (CWC)	7.47Y	124.5	0.03	0.55	15.41	11	112	27	97	0.02	0.0	8.001	0.041	0	0	1	28
PL.70791	PL.72333	C	6 A (CWC)	7.46Y	124.4	0.08	0.63	15.41	11	112	27	97	0.06	0.1	8.112	0.111	0	0	0	27
PL.72094	PL.70791	C	6 A (CWC)	7.45Y	124.2	0.13	0.76	15.41	11	112	27	97	0.11	0.1	8.300	0.189	0	0	0	27
PL.71984	PL.72094	C	6 A (CWC)	7.45Y	124.1	0.11	0.87	13.60	10	98	24	97	0.08	0.1	8.482	0.181	0	0	1	23
PL.71860	PL.71984	C	6 A (CWC)	7.44Y	124.1	0.07	0.94	13.59	10	98	24	97	0.05	0.1	8.599	0.117	0	0	0	22
PL.72095	PL.71860	C	6 A (CWC)	7.44Y	124.0	0.05	0.99	13.59	10	98	24	97	0.03	0.0	8.673	0.073	0	0	1	22
PL.70797	PL.72095	C	6 A (CWC)	7.44Y	124.0	0.02	1.01	6.13	4	44	11	97	0.01	0.0	8.758	0.085	3	1	1	10
PL.70798	PL.70797	C	6 A (CWC)	7.44Y	124.0	0.03	1.04	5.67	4	41	10	97	0.01	0.0	8.865	0.107	0	0	0	9
PL.72100	PL.70798	C	6 A (CWC)	7.44Y	123.9	0.03	1.07	5.67	4	41	10	97	0.01	0.0	8.971	0.106	0	0	0	9
PL.71868	PL.72100	C	#1/0 ACSR	7.44Y	123.9	0.00	1.07	0.90	0	7	2	96	0.00	0.0	9.006	0.035	7	2	1	1
PL.72134	PL.72100	C	6 A (CWC)	7.44Y	123.9	0.01	1.08	4.76	3	34	8	97	0.00	0.0	9.016	0.045	0	0	1	8
PL.72135	PL.72134	C	6 A (CWC)	7.43Y	123.9	0.02	1.10	3.95	3	29	7	97	0.00	0.0	9.147	0.131	0	0	0	6
PL.71986	PL.72135	C	6 A (CWC)	7.43Y	123.9	0.01	1.10	3.49	2	25	6	97	0.00	0.0	9.182	0.035	0	0	0	5
PL.72103	PL.71986	C	6 A (CWC)	7.43Y	123.9	0.02	1.12	2.63	2	19	5	97	0.00	0.0	9.313	0.131	0	0	0	4
PL.72104	PL.72103	C	6 A (CWC)	7.43Y	123.9	0.01	1.13	2.63	2	19	5	97	0.00	0.0	9.415	0.102	0	0	0	4
PL.71987	PL.72104	C	6 A (CWC)	7.43Y	123.9	0.02	1.15	2.63	2	19	5	97	0.00	0.0	9.548	0.133	0	0	0	4
PL.71632	PL.71987	C	#4 ACSR	7.43Y	123.9	0.00	1.15	0.52	0	4	1	97	0.00	0.0	9.608	0.061	4	1	1	1
PL.71631	PL.71987	C	6 A (CWC)	7.43Y	123.8	0.00	1.15	2.11	2	15	4	97	0.00	0.0	9.650	0.103	15	4	2	3
PL.71630	PL.71631	C	#1/0 ACSR	7.43Y	123.8	0.00	1.15	0.02	0	0	0	100	0.00	0.0	9.713	0.063	0	0	1	1
PL.72101	PL.71986	C	6 A (CWC)	7.43Y	123.9	0.01	1.11	0.86	1	6	2	95	0.00	0.0	9.314	0.132	0	0	0	1
PL.72102	PL.72101	C	6 A (CWC)	7.43Y	123.9	0.01	1.11	0.86	1	6	2	95	0.00	0.0	9.451	0.137	0	0	0	1

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Balanced Voltage Drop Report
Source: Annville

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.71633	PL.72102	C	6 A (CWC)	7.43Y	123.9	0.00	1.12	0.86	1	6	2	95	0.00	0.0	9.547	0.096	6	2	1	1
PL.71629	PL.72135	C	#2 ACSR	7.43Y	123.9	0.00	1.10	0.46	0	3	1	95	0.00	0.0	9.278	0.131	3	1	1	1
PL.71869	PL.72134	C	#1/0 ACSR	7.44Y	123.9	0.00	1.08	0.79	0	6	1	99	0.00	0.0	9.063	0.046	6	1	1	1
PL.70795	PL.72095	C	6 A (CWC)	7.44Y	124.0	0.03	1.02	7.44	5	54	13	97	0.01	0.0	8.775	0.102	0	0	1	11
PL.70796	PL.70795	C	6 A (CWC)	7.44Y	123.9	0.03	1.05	7.38	5	53	13	97	0.01	0.0	8.871	0.096	0	0	1	10
PL.70794	PL.70796	C	6 A (CWC)	7.43Y	123.9	0.04	1.10	7.33	5	53	13	97	0.02	0.0	8.993	0.122	0	0	0	9
PL.70793	PL.70794	C	6 A (CWC)	7.43Y	123.9	0.01	1.11	7.33	5	53	13	97	0.01	0.0	9.038	0.045	4	1	1	9
PL.70792	PL.70793	C	6 A (CWC)	7.43Y	123.9	0.04	1.15	6.72	5	49	12	97	0.01	0.0	9.157	0.119	0	0	0	8
PL.71985	PL.70792	C	6 A (CWC)	7.43Y	123.8	0.03	1.17	5.60	4	40	10	97	0.01	0.0	9.272	0.115	0	0	0	7
PL.71863	PL.71985	C	#1/0 ACSR	7.43Y	123.8	0.00	1.18	1.62	1	12	3	97	0.00	0.0	9.299	0.028	5	1	1	2
PL.71862	PL.71863	C	#1/0 ACSR	7.43Y	123.8	0.00	1.18	0.87	0	6	2	95	0.00	0.0	9.431	0.131	6	2	1	1
PL.70832	PL.71985	C	#1/0 ACSR	7.43Y	123.8	0.00	1.18	3.98	2	29	7	97	0.00	0.0	9.324	0.052	7	2	1	5
PL.70833	PL.70832	C	#1/0 ACSR	7.43Y	123.8	0.00	1.18	3.05	1	22	5	98	0.00	0.0	9.393	0.069	0	0	0	4
PL.72283	PL.70833	C	#1/0 ACSR	7.43Y	123.8	0.00	1.19	3.05	1	22	5	98	0.00	0.0	9.452	0.059	8	2	1	4
PL.72284	PL.72283	C	#1/0 ACSR	7.43Y	123.8	0.00	1.19	1.94	1	14	3	98	0.00	0.0	9.537	0.085	0	0	0	3
PL.71988	PL.72284	C	#1/0 ACSR	7.43Y	123.8	0.00	1.19	0.45	0	3	1	95	0.00	0.0	9.661	0.123	0	0	0	2
PL.72096	PL.71988	C	#1/0 ACSR	7.43Y	123.8	0.00	1.19	0.45	0	3	1	95	0.00	0.0	9.793	0.132	0	0	0	2
PL.72097	PL.72096	C	#1/0 ACSR	7.43Y	123.8	0.00	1.19	0.45	0	3	1	95	0.00	0.0	9.914	0.121	0	0	0	2
PL.72364	PL.72097	C	#1/0 ACSR	7.43Y	123.8	0.00	1.19	0.00	0	0	0	100	0.00	0.0	9.918	0.005	0	0	0	1
PD.10740	PL.72364	C	20T	7.43Y	123.8	0.00	1.19	0.00	0	0	0	100	0.00	0.0	9.918	0.005	0	0	0	1
PL.72365	PD.10740	C	#1/0 ACSR	7.43Y	123.8	0.00	1.19	0.00	0	0	0	100	0.00	0.0	9.965	0.046	0	0	0	1
PL.71867	PL.72365	C	6 A (CWC)	7.43Y	123.8	0.00	1.19	0.00	0	0	0	100	0.00	0.0	10.080	0.115	0	0	0	1
PL.72098	PL.71867	C	6 A (CWC)	7.43Y	123.8	0.00	1.19	0.00	0	0	0	100	0.00	0.0	10.254	0.174	0	0	0	1
PL.72099	PL.72098	C	6 A (CWC)	7.43Y	123.8	0.00	1.19	0.00	0	0	0	100	0.00	0.0	10.342	0.088	0	0	0	1
PL.72287	PL.72099	C	6 A (CWC)	7.43Y	123.8	0.00	1.19	0.00	0	0	0	100	0.00	0.0	10.470	0.128	0	0	1	1
PL.72288	PL.72287	C	6 A (CWC)	7.43Y	123.8	0.00	1.19	0.00	0	0	0	100	0.00	0.0	10.521	0.051	0	0	0	0
PL.71865	PL.72097	C	#1/0 ACSR	7.43Y	123.8	0.00	1.20	0.45	0	3	1	95	0.00	0.0	9.976	0.062	3	1	1	1
PL.71864	PL.72284	C	#1/0 ACSR	7.43Y	123.8	0.00	1.19	1.49	1	11	3	96	0.00	0.0	9.605	0.068	0	0	0	1
PL.71989	PL.71864	C	#1/0 ACSR	7.43Y	123.8	0.00	1.19	1.49	1	11	3	96	0.00	0.0	9.638	0.033	11	3	1	1
PL.71861	PL.70792	C	#1/0 ACSR	7.43Y	123.9	0.00	1.15	1.12	0	8	2	97	0.00	0.0	9.194	0.037	8	2	1	1
PL.71859	PL.72094	C	#1/0 ACSR	7.45Y	124.2	0.00	0.76	1.81	1	13	3	97	0.00	0.0	8.325	0.025	13	3	4	4

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

Balanced Voltage Drop Report
Source: Annville

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.71804	PL.72409	A	6 A (CWC)	7.15Y	119.1	0.11	5.90	23.54	17	163	40	97	0.14	0.1	7.131	0.104	0	0	0	31
PL.71805	PL.71804	A	6 A (CWC)	7.14Y	119.0	0.11	6.01	23.54	17	163	40	97	0.14	0.1	7.231	0.101	0	0	0	31
PL.72069	PL.71805	A	6 A (CWC)	7.13Y	118.9	0.11	6.12	23.54	17	163	40	97	0.14	0.1	7.333	0.101	0	0	0	31
PL.71806	PL.72069	A	6 A (CWC)	7.13Y	118.8	0.11	6.23	23.54	17	163	40	97	0.14	0.1	7.438	0.105	0	0	0	31
REG22	PL.71806	A	76.2 KVA	7.50Y	125.0	-6.25	-0.02	23.54	24	163	40	97	percent Boost= 5.00			Tap= 8.0				31
PL.72070	REG22	A	6 A (CWC)	7.49Y	124.9	0.12	0.10	22.36	16	163	40	97	0.14	0.1	7.557	0.119	0	0	0	31
PL.72174	PL.72070	A	6 A (CWC)	7.49Y	124.8	0.10	0.20	22.36	16	163	40	97	0.12	0.1	7.657	0.101	6	1	1	31
PL.72175	PL.72174	A	6 A (CWC)	7.48Y	124.7	0.05	0.25	21.55	15	157	38	97	0.06	0.0	7.709	0.052	0	0	0	30
PL.71814	PL.72175	A	6 A (CWC)	7.48Y	124.7	0.01	0.26	1.38	1	10	2	98	0.00	0.0	7.866	0.156	3	1	1	2
PL.71816	PL.71814	A	#2 ACSR	7.48Y	124.7	0.00	0.26	0.94	1	7	2	96	0.00	0.0	7.901	0.036	7	2	1	1
PL.71817	PL.71814	A	6 A (CWC)	7.48Y	124.7	0.00	0.26	0.00	0	0	0	100	0.00	0.0	7.977	0.111	0	0	0	0
PL.72071	PL.71817	A	6 A (CWC)	7.48Y	124.7	0.00	0.26	0.00	0	0	0	100	0.00	0.0	8.126	0.149	0	0	0	0
PL.71818	PL.72071	A	#4 ACSR	7.48Y	124.7	0.00	0.26	0.00	0	0	0	100	0.00	0.0	8.306	0.180	0	0	0	0
PL.72172	PL.72175	A	6 A (CWC)	7.48Y	124.7	0.08	0.34	20.18	14	147	36	97	0.09	0.1	7.802	0.093	3	1	2	28
PL.72173	PL.72172	A	6 A (CWC)	7.48Y	124.6	0.03	0.37	19.82	14	144	35	97	0.03	0.0	7.833	0.030	0	0	0	26
PL.71815	PL.72173	A	6 A (CWC)	7.47Y	124.5	0.14	0.51	19.82	14	144	35	97	0.15	0.1	7.991	0.158	0	0	0	26
PL.71972	PL.71815	A	6 A (CWC)	7.47Y	124.4	0.07	0.58	17.00	12	123	30	97	0.07	0.1	8.088	0.097	0	0	0	23
PL.71820	PL.71972	A	6 A (CWC)	7.46Y	124.4	0.06	0.64	17.00	12	123	30	97	0.05	0.0	8.162	0.074	0	0	0	23
PL.71973	PL.71820	A	6 A (CWC)	7.46Y	124.3	0.10	0.74	12.38	9	90	22	97	0.07	0.1	8.344	0.182	0	0	0	17
PL.71825	PL.71973	A	#1/0 ACSR	7.46Y	124.3	0.00	0.74	1.49	1	11	3	96	0.00	0.0	8.376	0.033	11	3	1	1
PL.71826	PL.71973	A	6 A (CWC)	7.45Y	124.2	0.05	0.79	10.89	8	79	19	97	0.03	0.0	8.447	0.103	0	0	0	16
PL.71827	PL.71826	A	6 A (CWC)	7.45Y	124.2	0.05	0.84	5.77	4	42	10	97	0.01	0.0	8.632	0.185	0	0	0	10
PL.71836	PL.71827	A	6 A (CWC)	7.45Y	124.1	0.05	0.89	5.77	4	42	10	97	0.01	0.0	8.814	0.182	0	0	0	10
PL.71839	PL.71836	A	6 A (CWC)	7.45Y	124.1	0.02	0.91	3.83	3	28	7	97	0.00	0.0	8.913	0.099	0	0	0	6
PL.72106	PL.71839	A	6 A (CWC)	7.44Y	124.1	0.02	0.92	3.83	3	28	7	97	0.00	0.0	9.006	0.093	0	0	0	6
PL.72079	PL.72106	A	6 A (CWC)	7.44Y	124.0	0.03	0.95	3.83	3	28	7	97	0.01	0.0	9.191	0.186	0	0	0	6
PL.71840	PL.72079	A	6 A (CWC)	7.44Y	124.0	0.02	0.97	3.83	3	28	7	97	0.00	0.0	9.284	0.092	2	1	1	6
PL.71841	PL.71840	A	6 A (CWC)	7.44Y	124.0	0.01	0.98	3.54	3	26	6	97	0.00	0.0	9.347	0.063	0	0	0	5
PL.71842	PL.71841	A	#1/0 ACSR	7.44Y	124.0	0.00	0.98	0.00	0	0	0	100	0.00	0.0	9.396	0.049	0	0	1	1
PL.71977	PL.71841	A	6 A (CWC)	7.44Y	124.0	0.01	0.99	3.54	3	26	6	97	0.00	0.0	9.383	0.035	0	0	0	4
PL.71978	PL.71977	A	6 A (CWC)	7.44Y	124.0	0.01	1.00	2.59	2	19	5	97	0.00	0.0	9.487	0.104	0	0	0	3

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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.72162	PL.71978	A	6 A (CWC)	7.44Y	124.0	0.01	1.01	2.59	2	19	5	97	0.00	0.0	9.650	0.163	11	3	1	3
PL.72163	PL.72162	A	6 A (CWC)	7.44Y	124.0	0.00	1.02	1.12	1	8	2	97	0.00	0.0	9.735	0.084	0	0	0	2
PL.72080	PL.72163	A	6 A (CWC)	7.44Y	124.0	0.01	1.02	1.12	1	8	2	97	0.00	0.0	9.848	0.113	0	0	0	2
PL.72081	PL.72080	A	6 A (CWC)	7.44Y	124.0	0.00	1.03	1.12	1	8	2	97	0.00	0.0	9.940	0.092	0	0	0	2
PL.71844	PL.72081	A	6 A (CWC)	7.44Y	124.0	0.01	1.04	1.12	1	8	2	97	0.00	0.0	10.126	0.186	0	0	0	2
PL.72082	PL.71844	A	6 A (CWC)	7.44Y	124.0	0.01	1.04	1.12	1	8	2	97	0.00	0.0	10.225	0.099	0	0	0	2
PL.72083	PL.72082	A	6 A (CWC)	7.44Y	124.0	0.01	1.05	1.12	1	8	2	97	0.00	0.0	10.329	0.104	0	0	0	2
PL.71845	PL.72083	A	6 A (CWC)	7.44Y	124.0	0.00	1.05	1.12	1	8	2	97	0.00	0.0	10.405	0.076	3	1	1	2
PL.71846	PL.71845	A	#4 ACSR	7.44Y	123.9	0.00	1.05	0.69	1	5	1	98	0.00	0.0	10.521	0.117	0	0	0	1
PL.72084	PL.71846	A	#4 ACSR	7.44Y	123.9	0.00	1.05	0.69	1	5	1	98	0.00	0.0	10.598	0.076	5	1	1	1
PL.71843	PL.71977	A	#1/0 ACSR	7.44Y	124.0	0.00	0.99	0.95	0	7	2	96	0.00	0.0	9.435	0.053	7	2	1	1
PL.71838	PL.71836	A	6 A (CWC)	7.45Y	124.1	0.01	0.90	1.94	1	14	3	98	0.00	0.0	8.963	0.149	0	0	0	4
PL.72077	PL.71838	A	6 A (CWC)	7.45Y	124.1	0.01	0.91	1.94	1	14	3	98	0.00	0.0	9.053	0.091	0	0	0	4
PL.71847	PL.72077	A	#1/0 ACSR	7.45Y	124.1	0.00	0.91	0.62	0	4	1	97	0.00	0.0	9.083	0.029	4	1	3	3
PL.71849	PL.72077	A	6 A (CWC)	7.44Y	124.1	0.01	0.92	1.32	1	10	2	98	0.00	0.0	9.174	0.121	0	0	0	1
PL.72078	PL.71849	A	6 A (CWC)	7.44Y	124.1	0.00	0.92	1.32	1	10	2	98	0.00	0.0	9.251	0.077	10	2	1	1
PL.71828	PL.71826	A	6 A (CWC)	7.45Y	124.2	0.04	0.83	5.13	4	37	9	97	0.01	0.0	8.623	0.176	0	0	0	6
PL.72075	PL.71828	A	6 A (CWC)	7.45Y	124.1	0.04	0.87	5.13	4	37	9	97	0.01	0.0	8.790	0.167	0	0	0	6
PL.72157	PL.72075	A	6 A (CWC)	7.45Y	124.1	0.03	0.90	5.13	4	37	9	97	0.01	0.0	8.936	0.146	7	2	1	6
PL.72158	PL.72157	A	6 A (CWC)	7.45Y	124.1	0.01	0.91	4.17	3	30	7	97	0.00	0.0	8.975	0.039	1	0	1	5
PL.72156	PL.72158	A	6 A (CWC)	7.44Y	124.1	0.01	0.93	4.09	3	30	7	97	0.00	0.0	9.055	0.079	0	0	0	4
PL.71830	PL.72156	A	#1/0 ACSR	7.44Y	124.1	0.00	0.93	1.48	1	11	3	96	0.00	0.0	9.087	0.032	0	0	0	2
PL.71976	PL.71830	A	#1/0 ACSR	7.44Y	124.1	0.00	0.93	1.48	1	11	3	96	0.00	0.0	9.142	0.056	11	3	2	2
PL.71831	PL.71830	A	#1/0 ACSR	7.44Y	124.1	0.00	0.93	0.00	0	0	0	100	0.00	0.0	9.133	0.047	0	0	0	0
PL.71829	PL.72156	A	#2 ACSR	7.44Y	124.1	0.01	0.94	2.61	1	19	5	97	0.00	0.0	9.235	0.181	0	0	0	2
PL.71832	PL.71829	A	#2 ACSR	7.44Y	124.1	0.01	0.95	2.61	1	19	5	97	0.00	0.0	9.342	0.107	0	0	0	2
PL.72076	PL.71832	A	#2 ACSR	7.44Y	124.0	0.01	0.96	2.61	1	19	5	97	0.00	0.0	9.502	0.160	0	0	0	2
PL.72124	PL.72076	A	#2 ACSR	7.44Y	124.0	0.01	0.97	2.61	1	19	5	97	0.00	0.0	9.571	0.069	0	0	0	2
PL.71833	PL.72124	A	#1/0 ACSR	7.44Y	124.0	0.00	0.97	0.00	0	0	0	100	0.00	0.0	9.582	0.011	0	0	0	0
PL.72125	PL.72124	A	#2 ACSR	7.44Y	124.0	0.00	0.97	2.61	1	19	5	97	0.00	0.0	9.619	0.048	0	0	0	2
PL.71834	PL.72125	A	#2 ACSR	7.44Y	124.0	0.00	0.97	1.72	1	12	3	97	0.00	0.0	9.667	0.048	12	3	1	1

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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.71835	PL.72125	A	#2 ACSR	7.44Y	124.0	0.00	0.97	0.88	1	6	2	95	0.00	0.0	9.682	0.062	6	2	1	1
PL.72160	PL.71820	A	#1/0 ACSR	7.46Y	124.4	0.00	0.64	4.62	2	34	8	97	0.00	0.0	8.183	0.021	3	1	1	6
PL.72161	PL.72160	A	#1/0 ACSR	7.46Y	124.4	0.00	0.65	4.15	2	30	7	97	0.00	0.0	8.238	0.055	4	1	1	5
PL.72159	PL.72161	A	#1/0 ACSR	7.46Y	124.3	0.01	0.66	3.60	2	26	6	97	0.00	0.0	8.399	0.161	0	0	0	4
PL.71821	PL.72159	A	#1/0 ACSR	7.46Y	124.3	0.00	0.66	0.00	0	0	0	100	0.00	0.0	8.430	0.031	0	0	0	0
PL.72126	PL.72159	A	#1/0 ACSR	7.46Y	124.3	0.01	0.67	3.60	2	26	6	97	0.00	0.0	8.506	0.107	0	0	0	4
PL.71974	PL.72126	A	#1/0 ACSR	7.46Y	124.3	0.00	0.67	2.26	1	16	4	97	0.00	0.0	8.591	0.086	0	0	0	2
PL.71823	PL.71974	A	#1/0 ACSR	7.46Y	124.3	0.00	0.67	0.89	0	6	2	95	0.00	0.0	8.671	0.080	6	2	1	1
PL.71975	PL.71974	A	#1/0 ACSR	7.46Y	124.3	0.00	0.68	1.38	1	10	2	98	0.00	0.0	8.702	0.111	0	0	0	1
PL.72073	PL.71975	A	#1/0 ACSR	7.46Y	124.3	0.00	0.68	1.38	1	10	2	98	0.00	0.0	8.859	0.157	0	0	0	1
PL.72074	PL.72073	A	#1/0 ACSR	7.46Y	124.3	0.00	0.68	1.38	1	10	2	98	0.00	0.0	8.924	0.064	0	0	0	1
PL.71824	PL.72074	A	#1/0 ACSR	7.46Y	124.3	0.00	0.69	1.38	1	10	2	98	0.00	0.0	9.041	0.118	10	2	1	1
PL.71822	PL.72126	A	#1/0 ACSR	7.46Y	124.3	0.00	0.67	1.34	1	10	2	98	0.00	0.0	8.556	0.050	10	2	2	2
PL.72168	PL.71815	A	6 A (CWC)	7.47Y	124.5	0.01	0.52	2.82	2	20	5	97	0.00	0.0	8.073	0.082	9	2	1	3
PL.72169	PL.72168	A	6 A (CWC)	7.47Y	124.5	0.01	0.53	1.57	1	11	3	96	0.00	0.0	8.256	0.183	0	0	0	2
PL.72166	PL.72169	A	#1/0 ACSR	7.47Y	124.5	0.00	0.53	1.57	1	11	3	96	0.00	0.0	8.334	0.078	0	0	1	2
PL.72167	PL.72166	A	#1/0 ACSR	7.47Y	124.5	0.00	0.53	1.57	1	11	3	96	0.00	0.0	8.413	0.079	0	0	0	1
PL.72072	PL.72167	A	#1/0 ACSR	7.47Y	124.5	0.00	0.54	1.57	1	11	3	96	0.00	0.0	8.550	0.137	11	3	1	1
PL.71801	PL.72065	A	6 A (CWC)	7.17Y	119.5	0.01	5.48	4.46	3	31	8	97	0.00	0.0	6.408	0.056	0	0	0	6
PL.72326	PL.71801	A	6 A (CWC)	7.17Y	119.5	0.00	5.48	4.46	3	31	8	97	0.00	0.0	6.413	0.005	0	0	0	6
PD.10616	PL.72326	A	30T	7.17Y	119.5	0.00	5.48	4.46	0	31	8	97	0.00	0.0	6.413	0.005	0	0	0	6
PL.72327	PD.10616	A	6 A (CWC)	7.17Y	119.5	0.02	5.51	4.46	3	31	8	97	0.01	0.0	6.526	0.113	0	0	0	6
PL.71802	PL.72327	A	6 A (CWC)	7.17Y	119.5	0.02	5.53	4.46	3	31	8	97	0.01	0.0	6.640	0.114	0	0	0	6
PL.72105	PL.71802	A	6 A (CWC)	7.17Y	119.4	0.02	5.55	4.46	3	31	8	97	0.00	0.0	6.737	0.097	0	0	0	6
PL.72170	PL.72105	A	6 A (CWC)	7.17Y	119.4	0.02	5.57	4.46	3	31	8	97	0.00	0.0	6.830	0.093	0	0	0	6
PL.72171	PL.72170	A	6 A (CWC)	7.16Y	119.4	0.03	5.60	4.46	3	31	8	97	0.01	0.0	6.966	0.136	0	0	0	6
PL.71807	PL.72171	A	6 A (CWC)	7.16Y	119.4	0.02	5.62	4.46	3	31	8	97	0.01	0.0	7.089	0.123	0	0	0	6
PL.71809	PL.71807	A	6 A (CWC)	7.16Y	119.4	0.01	5.63	4.46	3	31	8	97	0.00	0.0	7.145	0.057	0	0	0	6
PL.71810	PL.71809	A	#4 ACSR	7.16Y	119.4	0.00	5.64	1.36	1	9	2	98	0.00	0.0	7.233	0.088	9	2	1	1
PL.71969	PL.71809	A	6 A (CWC)	7.16Y	119.4	0.01	5.65	3.10	2	22	5	98	0.00	0.0	7.237	0.091	0	0	0	5
PL.71811	PL.71969	A	6 A (CWC)	7.16Y	119.3	0.01	5.66	3.10	2	22	5	98	0.00	0.0	7.327	0.090	0	0	0	5

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Source: Annville

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.72066	PL.71811	A	6 A (CWC)	7.16Y	119.3	0.02	5.68	3.10	2	22	5	98	0.00	0.0	7.474	0.147	2	1	1	5
PL.72164	PL.72066	A	6 A (CWC)	7.16Y	119.3	0.00	5.68	2.74	2	19	5	97	0.00	0.0	7.514	0.040	0	0	1	4
PL.72165	PL.72164	A	6 A (CWC)	7.16Y	119.3	0.01	5.70	2.74	2	19	5	97	0.00	0.0	7.611	0.097	0	0	0	3
PL.71970	PL.72165	A	6 A (CWC)	7.16Y	119.3	0.01	5.70	2.13	2	15	4	97	0.00	0.0	7.714	0.103	0	0	0	2
PL.71812	PL.71970	A	#1/0 ACSR	7.16Y	119.3	0.00	5.70	0.00	0	0	0	100	0.00	0.0	7.848	0.134	0	0	0	0
PL.72067	PL.71812	A	#1/0 ACSR	7.16Y	119.3	0.00	5.70	0.00	0	0	0	100	0.00	0.0	7.919	0.071	0	0	0	0
PL.71971	PL.71970	A	6 A (CWC)	7.16Y	119.3	0.00	5.71	2.13	2	15	4	97	0.00	0.0	7.794	0.080	11	3	1	2
PL.71813	PL.71971	A	6 A (CWC)	7.16Y	119.3	0.00	5.71	0.48	0	3	1	95	0.00	0.0	7.874	0.080	3	1	1	1
PL.72308	PL.72165	A	#1/0 ACSR	7.16Y	119.3	0.00	5.70	0.61	0	4	1	97	0.00	0.0	7.616	0.005	0	0	0	1
PD.10607	PL.72308	A	30T	7.16Y	119.3	0.00	5.70	0.61	0	4	1	97	0.00	0.0	7.616	0.005	0	0	0	1
PL.72309	PD.10607	A	#1/0 ACSR	7.16Y	119.3	0.00	5.70	0.61	0	4	1	97	0.00	0.0	7.627	0.011	4	1	1	1
PL.71808	PL.71807	A	#4 ACSR	7.16Y	119.4	0.00	5.62	0.00	0	0	0	100	0.00	0.0	7.151	0.062	0	0	0	0
PL.72324	PL.71800	C	#1/0 ACSR	7.18Y	119.7	0.00	5.30	0.73	0	5	1	98	0.00	0.0	5.980	0.005	0	0	0	1
PD.10615	PL.72324	C	30T	7.18Y	119.7	0.00	5.30	0.73	0	5	1	98	0.00	0.0	5.980	0.005	0	0	0	1
PL.72325	PD.10615	C	#1/0 ACSR	7.18Y	119.7	0.00	5.30	0.73	0	5	1	98	0.00	0.0	6.027	0.047	5	1	1	1
PL.72322	PL.71673	C	6 A (CWC)	7.18Y	119.7	0.00	5.26	1.44	1	10	2	98	0.00	0.0	5.889	0.005	0	0	0	1
PD.10614	PL.72322	C	30T	7.18Y	119.7	0.00	5.26	1.44	0	10	2	98	0.00	0.0	5.889	0.005	0	0	0	1
PL.72323	PD.10614	C	6 A (CWC)	7.18Y	119.7	0.01	5.27	1.44	1	10	2	98	0.00	0.0	6.013	0.124	0	0	0	1
PL.72064	PL.72323	C	6 A (CWC)	7.18Y	119.7	0.00	5.27	1.44	1	10	2	98	0.00	0.0	6.077	0.064	10	2	1	1
PL.71799	PL.72064	C	6 A (CWC)	7.18Y	119.7	0.00	5.27	0.00	0	0	0	100	0.00	0.0	6.156	0.079	0	0	0	0
PL.72318	PL.72155	C	#1/0 ACSR	7.20Y	120.0	0.00	5.00	0.73	0	5	1	98	0.00	0.0	5.342	0.005	0	0	0	1
PD.10612	PL.72318	C	30T	7.20Y	120.0	0.00	5.00	0.73	0	5	1	98	0.00	0.0	5.342	0.005	0	0	0	1
PL.72319	PD.10612	C	#1/0 ACSR	7.20Y	120.0	0.00	5.00	0.73	0	5	1	98	0.00	0.0	5.349	0.007	5	1	1	1
PL.72316	PL.71774	C	#1/0 ACSR	7.21Y	120.1	0.00	4.86	1.34	1	9	2	98	0.00	0.0	5.073	0.005	0	0	0	1
PD.10611	PL.72316	C	30T	7.21Y	120.1	0.00	4.86	1.34	0	9	2	98	0.00	0.0	5.073	0.005	0	0	0	1
PL.72317	PD.10611	C	#1/0 ACSR	7.21Y	120.1	0.00	4.86	1.34	1	9	2	98	0.00	0.0	5.085	0.012	9	2	1	1
PL.72390	PL.71774	A	6 A (CWC)	7.21Y	120.1	0.00	4.86	0.33	0	2	1	89	0.00	0.0	5.073	0.005	0	0	0	1
PD.10752	PL.72390	A	30T	7.21Y	120.1	0.00	4.86	0.33	0	2	1	89	0.00	0.0	5.073	0.005	0	0	0	1
PL.72391	PD.10752	A	6 A (CWC)	7.21Y	120.1	0.00	4.86	0.33	0	2	1	89	0.00	0.0	5.119	0.046	2	1	1	1
PL.72374	PL.71956	B	#2 ACSR	7.25Y	120.8	0.00	4.25	0.49	0	3	1	95	0.00	0.0	4.130	0.005	0	0	0	1
PD.10745	PL.72374	B	30T	7.25Y	120.8	0.00	4.25	0.49	0	3	1	95	0.00	0.0	4.130	0.005	0	0	0	1

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

Balanced Voltage Drop Report
Source: Annville

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.72375	PD.10745	B	#2 ACSR	7.25Y	120.8	0.00	4.25	0.49	0	3	1	95	0.00	0.0	4.179	0.049	3	1	1	1
PL.72386	PL.72411	A	#4 ACSR	7.25Y	120.9	0.00	4.11	1.77	1	12	3	97	0.00	0.0	3.947	0.005	0	0	0	2
PD.10750	PL.72386	A	30T	7.25Y	120.9	0.00	4.11	1.77	0	12	3	97	0.00	0.0	3.947	0.005	0	0	0	2
PL.72387	PD.10750	A	#4 ACSR	7.25Y	120.9	0.00	4.11	1.77	1	12	3	97	0.00	0.0	3.997	0.050	12	3	2	2
PL.72380	PL.72116	C	6 A (CWC)	7.26Y	121.0	0.00	4.04	4.59	3	32	8	97	0.00	0.0	3.866	0.005	0	0	0	2
PD.10748	PL.72380	C	65T	7.26Y	121.0	0.00	4.04	4.59	0	32	8	97	0.00	0.0	3.866	0.005	0	0	0	2
PL.72381	PD.10748	C	6 A (CWC)	7.26Y	121.0	0.01	4.05	4.59	3	32	8	97	0.00	0.0	3.915	0.049	22	5	1	2
PL.71755	PL.72381	C	#1/0 ACSR	7.26Y	120.9	0.00	4.05	1.53	1	11	3	96	0.00	0.0	4.072	0.156	11	3	1	1
PL.72382	PL.72116	B	#1/0 ACSR	7.26Y	121.0	0.00	4.04	0.16	0	1	0	100	0.00	0.0	3.866	0.005	0	0	0	1
PD.10749	PL.72382	B	65T	7.26Y	121.0	0.00	4.04	0.16	0	1	0	100	0.00	0.0	3.866	0.005	0	0	0	1
PL.72383	PD.10749	B	#1/0 ACSR	7.26Y	121.0	0.00	4.04	0.16	0	1	0	100	0.00	0.0	3.887	0.021	1	0	1	1
PL.72017	PL.71955	ABC	#1/0 ACSR	7.26Y	120.9	0.12	4.06	36.03	16	762	191	97	0.64	0.1	3.927	0.184	0	0	0	178
PL.72412	PL.72017	ABC	#1/0 ACSR	7.25Y	120.9	0.03	4.09	36.03	16	761	190	97	0.18	0.0	3.979	0.051	0	0	0	177
PD.10762	PL.72412	ABC	50L	7.25Y	120.9	0.00	4.09	36.03	72	761	190	97	0.00	0.0	3.979	0.051	0	0	0	177
PL.72413	PD.10762	ABC	#1/0 ACSR	7.25Y	120.9	0.01	4.10	36.03	16	761	190	97	0.04	0.0	3.991	0.012	0	0	0	177
PL.70803	PL.72413	ABC	#1/0 ACSR	7.25Y	120.9	0.02	4.12	36.03	16	761	190	97	0.10	0.0	4.020	0.029	7	2	2	177
PL.72181	PL.70803	ABC	#1/0 ACSR	7.25Y	120.8	0.06	4.18	35.70	16	754	188	97	0.31	0.0	4.111	0.091	0	0	0	175
PL.72031	PL.72181	ABC	#1/0 ACSR	7.24Y	120.7	0.10	4.27	35.70	16	753	188	97	0.52	0.1	4.265	0.154	0	0	0	175
PL.72032	PL.72031	ABC	#1/0 ACSR	7.24Y	120.7	0.02	4.30	35.70	16	753	187	97	0.12	0.0	4.302	0.037	9	2	1	175
PL.72182	PL.72032	ABC	#1/0 ACSR	7.24Y	120.6	0.05	4.35	34.55	15	728	181	97	0.28	0.0	4.392	0.090	12	3	2	171
PL.72183	PL.72182	ABC	#1/0 ACSR	7.23Y	120.6	0.08	4.43	33.96	15	716	178	97	0.41	0.1	4.527	0.135	3	1	2	169
PL.72184	PL.72183	ABC	#1/0 ACSR	7.23Y	120.5	0.03	4.46	33.81	15	712	177	97	0.16	0.0	4.579	0.052	0	0	0	167
PL.72185	PL.72184	ABC	#1/0 ACSR	7.23Y	120.5	0.04	4.51	30.90	13	651	162	97	0.21	0.0	4.661	0.082	7	2	2	153
PL.72186	PL.72185	ABC	#1/0 ACSR	7.23Y	120.4	0.06	4.57	30.55	13	643	160	97	0.26	0.0	4.766	0.105	0	0	0	151
PL.72352	PL.72186	A	6 A (CWC)	7.23Y	120.4	0.00	4.57	0.34	0	2	1	89	0.00	0.0	4.771	0.005	0	0	0	1
PD.10631	PL.72352	A	20T	7.23Y	120.4	0.00	4.57	0.34	0	2	1	89	0.00	0.0	4.771	0.005	0	0	0	1
PL.72353	PD.10631	A	6 A (CWC)	7.23Y	120.4	0.00	4.57	0.34	0	2	1	89	0.00	0.0	4.802	0.032	2	1	1	1
PL.72394	PL.72186	C	#2 ACSR	7.23Y	120.4	0.00	4.57	0.89	1	6	2	95	0.00	0.0	4.771	0.005	0	0	0	1
PD.10753	PL.72394	C	20T	7.23Y	120.4	0.00	4.57	0.89	0	6	2	95	0.00	0.0	4.771	0.005	0	0	0	1
PL.72395	PD.10753	C	#2 ACSR	7.23Y	120.4	0.00	4.57	0.89	1	6	2	95	0.00	0.0	4.794	0.023	6	2	1	1
PL.72392	PL.72186	ABC	#1/0 ACSR	7.23Y	120.4	0.00	4.57	30.14	13	634	157	97	0.01	0.0	4.771	0.005	0	0	0	149

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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.72393	PL.72392	ABC	#1/0 ACSR	7.22Y	120.4	0.05	4.62	30.14	13	634	157	97	0.24	0.0	4.868	0.098	0	0	0	149
PL.72037	PL.72393	ABC	#1/0 ACSR	7.22Y	120.3	0.09	4.71	30.14	13	634	157	97	0.42	0.1	5.041	0.173	5	1	2	149
PL.71994	PL.72037	ABC	#1/0 ACSR	7.22Y	120.3	0.02	4.73	27.54	12	579	143	97	0.08	0.0	5.078	0.037	0	0	0	140
PL.71635	PL.71994	ABC	#1/0 ACSR	7.21Y	120.2	0.03	4.76	27.54	12	579	143	97	0.13	0.0	5.143	0.065	0	0	0	140
PL.72261	PL.71635	ABC	#1/0 ACSR	7.21Y	120.2	0.02	4.79	27.54	12	579	143	97	0.09	0.0	5.189	0.046	8	2	1	140
PL.72262	PL.72261	ABC	#1/0 ACSR	7.21Y	120.2	0.06	4.84	27.17	12	571	141	97	0.23	0.0	5.305	0.116	6	2	1	139
PL.72263	PL.72262	ABC	#1/0 ACSR	7.20Y	120.1	0.08	4.93	26.87	12	564	139	97	0.34	0.1	5.482	0.177	6	1	1	138
PL.72356	PL.72263	A	6 A (CWC)	7.20Y	120.1	0.00	4.93	0.41	0	3	1	95	0.00	0.0	5.487	0.005	0	0	0	1
PD.10634	PL.72356	A	20T	7.20Y	120.1	0.00	4.93	0.41	0	3	1	95	0.00	0.0	5.487	0.005	0	0	0	1
PL.72357	PD.10634	A	6 A (CWC)	7.20Y	120.1	0.00	4.93	0.41	0	3	1	95	0.00	0.0	5.661	0.174	0	0	0	1
PL.71641	PL.72357	A	#2 ACSR	7.20Y	120.1	0.00	4.93	0.41	0	3	1	95	0.00	0.0	5.677	0.016	3	1	1	1
PL.72266	PL.72263	ABC	#1/0 ACSR	7.20Y	120.1	0.02	4.95	26.47	12	555	137	97	0.09	0.0	5.532	0.050	4	1	1	136
PL.72267	PL.72266	ABC	#1/0 ACSR	7.20Y	120.0	0.06	5.01	26.26	11	551	136	97	0.23	0.0	5.659	0.126	0	0	0	135
PL.72268	PL.72267	ABC	#1/0 ACSR	7.20Y	120.0	0.04	5.05	20.92	9	439	108	97	0.12	0.0	5.760	0.101	6	1	1	101
PL.72269	PL.72268	ABC	#1/0 ACSR	7.20Y	119.9	0.03	5.07	20.64	9	433	107	97	0.08	0.0	5.829	0.069	0	0	0	100
PL.72360	PL.72269	A	#2 ACSR	7.20Y	119.9	0.00	5.07	2.09	1	15	4	97	0.00	0.0	5.833	0.005	0	0	0	2
PD.10738	PL.72360	A	20T	7.20Y	119.9	0.00	5.07	2.09	0	15	4	97	0.00	0.0	5.833	0.005	0	0	0	2
PL.72361	PD.10738	A	#2 ACSR	7.20Y	119.9	0.00	5.07	2.09	1	15	4	97	0.00	0.0	5.880	0.046	8	2	1	2
PL.72270	PL.72361	A	#2 ACSR	7.20Y	119.9	0.00	5.07	0.99	1	7	2	96	0.00	0.0	5.918	0.039	7	2	1	1
PL.72271	PL.72269	ABC	#1/0 ACSR	7.20Y	119.9	0.01	5.08	14.97	7	314	78	97	0.02	0.0	5.866	0.038	0	0	1	74
PL.72272	PL.72271	ABC	#1/0 ACSR	7.19Y	119.9	0.02	5.10	14.97	7	314	78	97	0.05	0.0	5.946	0.079	5	1	2	73
PL.72273	PL.72272	ABC	#1/0 ACSR	7.19Y	119.9	0.02	5.12	14.72	6	308	76	97	0.04	0.0	6.023	0.077	0	0	1	71
PL.71883	PL.72273	ABC	#1/0 ACSR	7.19Y	119.9	0.02	5.14	14.71	6	308	76	97	0.05	0.0	6.107	0.085	0	0	0	70
PL.71884	PL.71883	ABC	#1/0 ACSR	7.19Y	119.8	0.02	5.17	14.41	6	302	75	97	0.05	0.0	6.204	0.097	0	0	0	69
PL.72046	PL.71884	ABC	#1/0 ACSR	7.19Y	119.8	0.02	5.19	14.41	6	302	74	97	0.05	0.0	6.299	0.095	0	0	0	69
PL.70834	PL.72046	ABC	#1/0 ACSR	7.19Y	119.8	0.04	5.24	14.41	6	302	74	97	0.09	0.0	6.470	0.171	2	1	1	69
PL.70835	PL.70834	ABC	#1/0 ACSR	7.18Y	119.7	0.05	5.28	14.29	6	299	74	97	0.10	0.0	6.656	0.186	0	0	0	68
PL.72047	PL.70835	ABC	#1/0 ACSR	7.18Y	119.7	0.04	5.33	14.29	6	299	74	97	0.09	0.0	6.830	0.174	0	0	0	68
PL.72005	PL.72047	ABC	#1/0 ACSR	7.18Y	119.6	0.04	5.37	13.23	6	277	68	97	0.08	0.0	6.995	0.165	0	0	0	65
PL.72404	PL.72005	A	6 A (CWC)	7.18Y	119.6	0.00	5.37	21.14	15	147	36	97	0.00	0.0	6.998	0.003	0	0	0	32
PD.10758	PL.72404	A	35L	7.18Y	119.6	0.00	5.37	21.14	60	147	36	97	0.00	0.0	6.998	0.003	0	0	0	32

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

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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.72405	PD.10758	A	6 A (CWC)	7.17Y	119.5	0.13	5.50	21.14	15	147	36	97	0.15	0.1	7.136	0.139	0	0	0	32
PL.72048	PL.72405	A	6 A (CWC)	7.16Y	119.4	0.13	5.63	21.14	15	147	36	97	0.14	0.1	7.268	0.131	0	0	0	32
PL.72107	PL.72048	A	6 A (CWC)	7.16Y	119.3	0.08	5.70	21.14	15	147	36	97	0.09	0.1	7.346	0.078	0	0	0	32
PL.72049	PL.72107	A	6 A (CWC)	7.15Y	119.2	0.10	5.80	21.14	15	147	36	97	0.11	0.1	7.447	0.101	0	0	0	32
PL.72051	PL.72049	A	6 A (CWC)	7.15Y	119.1	0.09	5.89	21.14	15	147	36	97	0.10	0.1	7.543	0.096	0	0	0	32
PL.72050	PL.72051	A	6 A (CWC)	7.14Y	119.0	0.09	5.98	21.14	15	147	36	97	0.09	0.1	7.635	0.092	10	2	3	32
PL.71926	PL.72050	A	6 A (CWC)	7.14Y	118.9	0.08	6.06	19.75	14	137	34	97	0.09	0.1	7.729	0.093	0	0	0	29
PL.72006	PL.71926	A	6 A (CWC)	7.14Y	118.9	0.00	6.06	0.00	0	0	0	100	0.00	0.0	7.804	0.075	0	0	1	1
PL.71927	PL.71926	A	6 A (CWC)	7.13Y	118.8	0.13	6.19	19.75	14	137	33	97	0.14	0.1	7.873	0.145	0	0	0	28
PL.71930	PL.71927	A	6 A (CWC)	7.13Y	118.8	0.04	6.23	7.81	6	54	13	97	0.02	0.0	7.982	0.109	0	0	0	12
PL.72396	PL.71930	A	#1/0 ACSR	7.13Y	118.8	0.00	6.23	7.81	3	54	13	97	0.00	0.0	7.987	0.005	0	0	0	12
PD.10754	PL.72396	A	15T	7.13Y	118.8	0.00	6.23	7.81	0	54	13	97	0.00	0.0	7.987	0.005	0	0	0	12
PL.72397	PD.10754	A	#1/0 ACSR	7.13Y	118.8	0.01	6.24	7.81	3	54	13	97	0.00	0.0	8.030	0.044	3	1	1	12
PL.71931	PL.72397	A	6 A (CWC)	7.12Y	118.7	0.03	6.26	7.31	5	51	12	97	0.01	0.0	8.111	0.080	0	0	0	11
PL.72052	PL.71931	A	6 A (CWC)	7.12Y	118.7	0.05	6.32	7.31	5	51	12	97	0.02	0.0	8.268	0.157	0	0	0	11
PL.71935	PL.72052	A	6 A (CWC)	7.12Y	118.7	0.02	6.34	4.74	3	33	8	97	0.01	0.0	8.361	0.093	0	0	0	7
PL.72055	PL.71935	A	6 A (CWC)	7.12Y	118.6	0.02	6.36	4.74	3	33	8	97	0.01	0.0	8.458	0.097	0	0	0	7
PL.72054	PL.72055	A	6 A (CWC)	7.12Y	118.6	0.02	6.38	4.74	3	33	8	97	0.00	0.0	8.547	0.089	0	0	0	7
PL.71936	PL.72054	A	#4 ACSR	7.12Y	118.6	0.00	6.38	0.75	1	5	1	98	0.00	0.0	8.646	0.100	5	1	2	2
PL.70842	PL.72054	A	6 A (CWC)	7.12Y	118.6	0.01	6.38	3.99	3	28	7	97	0.00	0.0	8.592	0.045	7	2	1	5
PL.72295	PL.70842	A	6 A (CWC)	7.12Y	118.6	0.02	6.40	3.03	2	21	5	97	0.00	0.0	8.736	0.144	0	0	0	4
PL.72056	PL.72295	A	6 A (CWC)	7.12Y	118.6	0.01	6.41	3.03	2	21	5	97	0.00	0.0	8.827	0.091	6	2	1	4
PL.71938	PL.72056	A	6 A (CWC)	7.12Y	118.6	0.00	6.42	1.02	1	7	2	96	0.00	0.0	8.896	0.069	0	0	0	1
PL.72016	PL.71938	A	6 A (CWC)	7.11Y	118.6	0.00	6.42	1.02	1	7	2	96	0.00	0.0	9.000	0.104	7	2	1	1
PL.71937	PL.72056	A	6 A (CWC)	7.12Y	118.6	0.00	6.41	1.08	1	7	2	96	0.00	0.0	8.895	0.067	7	2	2	2
PL.72015	PL.72052	A	6 A (CWC)	7.12Y	118.7	0.01	6.33	2.57	2	18	4	98	0.00	0.0	8.361	0.093	0	0	0	4
PL.71933	PL.72015	A	6 A (CWC)	7.12Y	118.7	0.02	6.35	2.57	2	18	4	98	0.00	0.0	8.545	0.184	0	0	0	2
PL.72053	PL.71933	A	6 A (CWC)	7.12Y	118.6	0.01	6.36	2.57	2	18	4	98	0.00	0.0	8.643	0.098	6	2	1	2
PL.71934	PL.72053	A	#1/0 ACSR	7.12Y	118.6	0.00	6.36	1.64	1	11	3	96	0.00	0.0	8.802	0.159	11	3	1	1
PL.71932	PL.72015	A	#4 ACSR	7.12Y	118.7	0.00	6.33	0.00	0	0	0	100	0.00	0.0	8.415	0.054	0	0	2	2
PL.72398	PL.71927	A	6 A (CWC)	7.12Y	118.7	0.10	6.29	11.93	9	83	20	97	0.06	0.1	8.060	0.187	0	0	0	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: Annville

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.10755	PL.72398	A	15T	7.12Y	118.7	0.00	6.29	11.93	0	83	20	97	0.00	0.0	8.060	0.187	0	0	0	16
PL.72399	PD.10755	A	6 A (CWC)	7.12Y	118.7	0.04	6.33	11.93	9	83	20	97	0.03	0.0	8.141	0.081	0	0	0	16
PL.72007	PL.72399	A	6 A (CWC)	7.12Y	118.6	0.04	6.37	11.08	8	77	19	97	0.02	0.0	8.217	0.076	0	0	0	15
PL.70836	PL.72007	A	6 A (CWC)	7.12Y	118.6	0.02	6.39	9.09	6	63	15	97	0.01	0.0	8.257	0.040	10	3	2	13
PL.70837	PL.70836	A	6 A (CWC)	7.12Y	118.6	0.01	6.40	7.59	5	52	13	97	0.00	0.0	8.294	0.037	7	2	3	11
PL.71940	PL.70837	A	#4 ACSR	7.12Y	118.6	0.01	6.41	3.95	3	27	7	97	0.00	0.0	8.344	0.050	10	2	1	4
PL.70840	PL.71940	A	#4 ACSR	7.12Y	118.6	0.00	6.41	2.53	2	17	4	97	0.00	0.0	8.389	0.044	10	2	2	3
PL.70841	PL.70840	A	#4 ACSR	7.12Y	118.6	0.00	6.41	1.08	1	7	2	96	0.00	0.0	8.425	0.036	7	2	1	1
PL.72008	PL.70837	A	6 A (CWC)	7.12Y	118.6	0.01	6.41	2.65	2	18	4	98	0.00	0.0	8.366	0.072	0	0	0	4
PL.71942	PL.72008	A	6 A (CWC)	7.11Y	118.6	0.01	6.42	2.65	2	18	4	98	0.00	0.0	8.438	0.072	0	0	0	4
PL.72009	PL.71942	A	6 A (CWC)	7.11Y	118.6	0.01	6.43	2.48	2	17	4	97	0.00	0.0	8.545	0.107	2	0	1	3
PL.71943	PL.72009	A	#1/0 ACSR	7.11Y	118.6	0.00	6.43	2.24	1	15	4	97	0.00	0.0	8.562	0.017	0	0	0	2
PL.71944	PL.71943	A	#1/0 ACSR	7.11Y	118.6	0.00	6.43	0.00	0	0	0	100	0.00	0.0	8.608	0.046	0	0	0	0
PL.72010	PL.71943	A	#1/0 ACSR	7.11Y	118.6	0.00	6.43	2.24	1	15	4	97	0.00	0.0	8.627	0.065	0	0	0	2
PL.71945	PL.72010	A	#1/0 ACSR	7.11Y	118.6	0.00	6.43	1.02	0	7	2	96	0.00	0.0	8.673	0.046	7	2	1	1
PL.72370	PL.72010	A	1/0 AL URD	7.11Y	118.6	0.00	6.43	1.21	1	8	2	97	0.00	0.0	8.632	0.005	0	0	0	1
PD.10743	PL.72370	A	15T	7.11Y	118.6	0.00	6.43	1.21	0	8	2	97	0.00	0.0	8.632	0.005	0	0	0	1
PL.72371	PD.10743	A	1/0 AL URD	7.11Y	118.6	0.00	6.44	1.21	1	8	2	97	0.00	0.0	8.771	0.139	8	2	1	1
PL.71941	PL.71942	A	#1/0 ACSR	7.11Y	118.6	0.00	6.42	0.17	0	1	0	100	0.00	0.0	8.495	0.057	1	0	1	1
PL.70838	PL.72007	A	#1/0 ACSR	7.12Y	118.6	0.00	6.37	1.99	1	14	3	98	0.00	0.0	8.246	0.029	7	2	1	2
PL.70839	PL.70838	A	#1/0 ACSR	7.12Y	118.6	0.00	6.37	0.91	0	6	2	95	0.00	0.0	8.276	0.030	6	2	1	1
PL.71939	PL.72399	A	#4 ACSR	7.12Y	118.7	0.00	6.34	0.85	1	6	1	99	0.00	0.0	8.209	0.069	6	1	1	1
PL.72406	PL.72005	B	6 A (CWC)	7.18Y	119.6	0.04	5.41	18.55	13	129	32	97	0.04	0.0	7.042	0.047	0	0	0	33
PD.10759	PL.72406	B	35L	7.18Y	119.6	0.00	5.41	18.55	53	129	32	97	0.00	0.0	7.042	0.047	0	0	0	33
PL.72407	PD.10759	B	6 A (CWC)	7.17Y	119.6	0.03	5.44	18.55	13	129	32	97	0.03	0.0	7.079	0.038	0	0	0	33
PL.72289	PL.72407	B	#4 ACSR	7.17Y	119.6	0.00	5.44	0.75	1	5	1	98	0.00	0.0	7.100	0.020	0	0	1	2
PL.72290	PL.72289	B	#4 ACSR	7.17Y	119.6	0.00	5.44	0.75	1	5	1	98	0.00	0.0	7.221	0.122	0	0	0	1
PL.71901	PL.72290	B	#1/0 ACSR	7.17Y	119.6	0.00	5.44	0.75	0	5	1	98	0.00	0.0	7.303	0.082	5	1	1	1
PL.72127	PL.72407	B	6 A (CWC)	7.17Y	119.5	0.10	5.54	17.80	13	124	30	97	0.10	0.1	7.208	0.129	0	0	1	31
PL.72128	PL.72127	B	6 A (CWC)	7.16Y	119.4	0.06	5.61	17.47	12	122	30	97	0.06	0.0	7.292	0.084	8	2	1	29
PL.72129	PL.72128	B	6 A (CWC)	7.16Y	119.3	0.08	5.68	16.31	12	114	28	97	0.07	0.1	7.400	0.108	4	1	2	28

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Balanced Voltage Drop Report
Source: Annville

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.72302	PL.72129	B	#4 ACSR	7.16Y	119.3	0.00	5.69	0.84	1	6	1	99	0.00	0.0	7.459	0.058	0	0	1	2
PL.72303	PL.72302	B	#4 ACSR	7.16Y	119.3	0.00	5.69	0.84	1	6	1	99	0.00	0.0	7.550	0.091	6	1	1	1
PL.72130	PL.72129	B	6 A (CWC)	7.16Y	119.3	0.06	5.75	14.96	11	104	25	97	0.05	0.0	7.492	0.092	0	0	0	24
PL.71903	PL.72130	B	#4 ACSR	7.16Y	119.3	0.00	5.75	1.87	1	13	3	97	0.00	0.0	7.541	0.049	13	3	1	1
PL.72011	PL.72130	B	6 A (CWC)	7.15Y	119.2	0.05	5.80	13.09	9	91	22	97	0.04	0.0	7.583	0.091	0	0	0	23
PL.72057	PL.72011	B	6 A (CWC)	7.15Y	119.1	0.06	5.87	13.09	9	91	22	97	0.05	0.1	7.692	0.110	0	0	0	23
PL.72012	PL.72057	B	6 A (CWC)	7.14Y	119.1	0.05	5.92	12.68	9	88	22	97	0.04	0.0	7.787	0.095	0	0	0	22
PL.71905	PL.72012	B	#2 ACSR	7.14Y	119.1	0.00	5.92	1.26	1	9	2	98	0.00	0.0	7.814	0.027	9	2	1	1
PL.72013	PL.72012	B	6 A (CWC)	7.14Y	119.0	0.04	5.96	11.13	8	77	19	97	0.02	0.0	7.859	0.072	0	0	0	20
PL.71906	PL.72013	B	6 A (CWC)	7.14Y	119.0	0.09	6.04	11.13	8	77	19	97	0.05	0.1	8.031	0.172	0	0	0	20
PL.72293	PL.71906	B	6 A (CWC)	7.13Y	118.9	0.07	6.12	11.13	8	77	19	97	0.04	0.1	8.177	0.146	0	0	0	20
PL.72294	PL.72293	B	6 A (CWC)	7.13Y	118.9	0.01	6.13	11.13	8	77	19	97	0.01	0.0	8.205	0.028	0	0	0	20
PL.71908	PL.72294	B	#4 ACSR	7.13Y	118.9	0.01	6.14	2.28	2	16	4	97	0.00	0.0	8.311	0.106	0	0	0	4
PL.71909	PL.71908	B	6 A (CWC)	7.13Y	118.8	0.01	6.15	2.28	2	16	4	97	0.00	0.0	8.421	0.110	0	0	0	4
PL.71911	PL.71909	B	6 A (CWC)	7.13Y	118.8	0.01	6.16	1.22	1	8	2	97	0.00	0.0	8.523	0.103	0	0	0	2
PL.72285	PL.71911	B	6 A (CWC)	7.13Y	118.8	0.01	6.16	1.22	1	8	2	97	0.00	0.0	8.628	0.104	1	0	1	2
PL.72286	PL.72285	B	6 A (CWC)	7.13Y	118.8	0.00	6.17	1.13	1	8	2	97	0.00	0.0	8.725	0.098	0	0	0	1
PL.71912	PL.72286	B	#1/0 ACSR	7.13Y	118.8	0.00	6.17	1.13	0	8	2	97	0.00	0.0	8.794	0.069	8	2	1	1
PL.71910	PL.71909	B	#1/0 ACSR	7.13Y	118.8	0.00	6.15	1.06	0	7	2	96	0.00	0.0	8.466	0.045	7	2	2	2
PL.71907	PL.72294	B	6 A (CWC)	7.13Y	118.8	0.07	6.20	8.85	6	61	15	97	0.03	0.1	8.382	0.177	0	0	0	16
PL.71913	PL.71907	B	6 A (CWC)	7.13Y	118.8	0.04	6.24	8.85	6	61	15	97	0.02	0.0	8.473	0.091	0	0	0	16
PL.71914	PL.71913	B	6 A (CWC)	7.12Y	118.7	0.04	6.28	8.85	6	61	15	97	0.02	0.0	8.575	0.102	1	0	1	16
PL.72291	PL.71914	B	6 A (CWC)	7.12Y	118.7	0.02	6.30	8.70	6	60	15	97	0.01	0.0	8.623	0.048	4	1	1	15
PL.72292	PL.72291	B	6 A (CWC)	7.12Y	118.6	0.06	6.36	8.10	6	56	14	97	0.03	0.0	8.791	0.168	0	0	0	14
PL.71916	PL.72292	B	6 A (CWC)	7.12Y	118.6	0.04	6.40	6.91	5	48	12	97	0.02	0.0	8.927	0.136	0	0	0	13
PL.71921	PL.71916	B	6 A (CWC)	7.12Y	118.6	0.00	6.41	0.88	1	6	1	99	0.00	0.0	9.009	0.083	0	0	0	1
PL.71922	PL.71921	B	#2 ACSR	7.12Y	118.6	0.00	6.41	0.88	1	6	1	99	0.00	0.0	9.055	0.046	6	1	1	1
PL.71919	PL.71916	B	6 A (CWC)	7.12Y	118.6	0.01	6.41	1.65	1	11	3	96	0.00	0.0	9.021	0.095	0	0	0	6
PL.72058	PL.71919	B	6 A (CWC)	7.12Y	118.6	0.01	6.42	1.65	1	11	3	96	0.00	0.0	9.115	0.094	0	0	0	6
PL.71923	PL.72058	B	#1/0 ACSR	7.11Y	118.6	0.00	6.42	1.20	1	8	2	97	0.00	0.0	9.175	0.060	8	2	2	2
PL.72014	PL.72058	B	6 A (CWC)	7.11Y	118.6	0.00	6.42	0.45	0	3	1	95	0.00	0.0	9.173	0.058	0	0	0	4

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Balanced Voltage Drop Report
Source: Annville

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.72281	PL.72014	B	6 A (CWC)	7.11Y	118.6	0.00	6.42	0.45	0	3	1	95	0.00	0.0	9.290	0.117	0	0	2	4
PL.72282	PL.72281	B	6 A (CWC)	7.11Y	118.6	0.00	6.42	0.43	0	3	1	95	0.00	0.0	9.389	0.099	0	0	0	2
PL.72280	PL.72282	B	6 A (CWC)	7.11Y	118.6	0.00	6.42	0.43	0	3	1	95	0.00	0.0	9.468	0.079	0	0	1	2
PL.71924	PL.72280	B	#1/0 ACSR	7.11Y	118.6	0.00	6.42	0.43	0	3	1	95	0.00	0.0	9.512	0.044	3	1	1	1
PL.71917	PL.71916	B	#2 ACSR	7.12Y	118.6	0.00	6.40	0.71	0	5	1	98	0.00	0.0	9.000	0.074	5	1	2	2
PL.71918	PL.71916	B	#1/0 ACSR	7.12Y	118.6	0.00	6.40	1.71	1	12	3	97	0.00	0.0	9.042	0.115	12	3	2	2
PL.71920	PL.71916	B	6 A (CWC)	7.12Y	118.6	0.00	6.40	1.96	1	14	3	98	0.00	0.0	8.984	0.057	14	3	2	2
PL.71915	PL.72292	B	6 A (CWC)	7.12Y	118.6	0.00	6.36	1.20	1	8	2	97	0.00	0.0	8.833	0.042	8	2	1	1
PL.70830	PL.72012	B	6 A (CWC)	7.14Y	119.1	0.00	5.92	0.30	0	2	0	100	0.00	0.0	7.827	0.040	0	0	0	1
PL.70831	PL.70830	B	6 A (CWC)	7.14Y	119.1	0.00	5.92	0.30	0	2	0	100	0.00	0.0	7.961	0.134	0	0	0	1
PL.71925	PL.70831	B	6 A (CWC)	7.14Y	119.1	0.00	5.92	0.30	0	2	0	100	0.00	0.0	8.053	0.092	2	0	1	1
PL.71904	PL.72057	B	6 A (CWC)	7.15Y	119.1	0.00	5.87	0.41	0	3	1	95	0.00	0.0	7.751	0.058	3	1	1	1
PL.71902	PL.72127	B	#4 ACSR	7.17Y	119.5	0.00	5.54	0.32	0	2	1	89	0.00	0.0	7.275	0.067	2	1	1	1
PL.72368	PL.72047	C	#2 ACSR	7.18Y	119.7	0.00	5.33	3.20	2	22	5	98	0.00	0.0	6.834	0.005	0	0	0	3
PD.10742	PL.72368	C	20T	7.18Y	119.7	0.00	5.33	3.20	0	22	5	98	0.00	0.0	6.834	0.005	0	0	0	3
PL.72369	PD.10742	C	#2 ACSR	7.18Y	119.7	0.01	5.34	3.20	2	22	5	98	0.00	0.0	6.981	0.147	0	0	0	3
PL.71928	PL.72369	C	#2 ACSR	7.18Y	119.7	0.00	5.35	3.20	2	22	5	98	0.00	0.0	7.035	0.054	15	4	2	3
PL.71929	PL.71928	C	#1/0 ACSR	7.18Y	119.7	0.00	5.35	0.99	0	7	2	96	0.00	0.0	7.050	0.014	7	2	1	1
PL.72366	PL.71883	A	#1/0 ACSR	7.19Y	119.9	0.00	5.14	0.90	0	6	2	95	0.00	0.0	6.112	0.005	0	0	0	1
PD.10741	PL.72366	A	20T	7.19Y	119.9	0.00	5.14	0.90	0	6	2	95	0.00	0.0	6.112	0.005	0	0	0	1
PL.72367	PD.10741	A	#1/0 ACSR	7.19Y	119.9	0.00	5.14	0.90	0	6	2	95	0.00	0.0	6.149	0.037	6	2	1	1
PL.72362	PL.72269	B	6 A (CWC)	7.20Y	119.9	0.01	5.08	14.89	11	104	25	97	0.01	0.0	5.845	0.017	0	0	0	24
PD.10739	PL.72362	B	100CodeSMo	7.20Y	119.9	0.00	5.08	14.89	0	104	25	97	0.00	0.0	5.845	0.017	0	0	0	24
PL.72363	PD.10739	B	6 A (CWC)	7.19Y	119.9	0.06	5.14	14.89	11	104	25	97	0.05	0.0	5.931	0.085	0	0	0	24
PL.72122	PL.72363	B	6 A (CWC)	7.19Y	119.8	0.07	5.21	14.45	10	101	25	97	0.06	0.1	6.044	0.113	3	1	2	23
PL.72123	PL.72122	B	6 A (CWC)	7.18Y	119.7	0.09	5.30	11.23	8	78	19	97	0.05	0.1	6.213	0.169	0	0	0	17
PL.72042	PL.72123	B	6 A (CWC)	7.18Y	119.6	0.05	5.35	11.23	8	78	19	97	0.03	0.0	6.320	0.107	0	0	0	17
PL.72274	PL.72042	B	6 A (CWC)	7.18Y	119.6	0.02	5.38	7.54	5	53	13	97	0.01	0.0	6.395	0.075	4	1	1	12
PL.72275	PL.72274	B	6 A (CWC)	7.18Y	119.6	0.02	5.39	7.02	5	49	12	97	0.01	0.0	6.449	0.054	0	0	0	11
PL.72000	PL.72275	B	6 A (CWC)	7.17Y	119.6	0.05	5.44	6.35	5	44	11	97	0.02	0.0	6.618	0.169	0	0	1	10
PL.72001	PL.72000	B	6 A (CWC)	7.17Y	119.5	0.02	5.46	5.63	4	39	10	97	0.01	0.0	6.693	0.075	6	1	2	7

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Balanced Voltage Drop Report
Source: Annville

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.71891	PL.72001	B	6 A (CWC)	7.17Y	119.5	0.01	5.47	4.79	3	33	8	97	0.00	0.0	6.738	0.045	0	0	0	5
PL.71892	PL.71891	B	#4 ACSR	7.17Y	119.5	0.01	5.48	3.62	3	25	6	97	0.00	0.0	6.777	0.038	0	0	0	3
PL.72003	PL.71892	B	#2 ACSR	7.17Y	119.5	0.01	5.48	3.62	2	25	6	97	0.00	0.0	6.845	0.068	0	0	0	3
PL.71893	PL.72003	B	#1/0 ACSR	7.17Y	119.5	0.00	5.49	1.10	0	8	2	97	0.00	0.0	6.896	0.051	8	2	1	1
PL.71887	PL.72003	B	#2 ACSR	7.17Y	119.5	0.01	5.49	2.52	1	18	4	98	0.00	0.0	6.973	0.128	9	2	1	2
PL.71886	PL.71887	B	#1/0 ACSR	7.17Y	119.5	0.00	5.49	1.25	1	9	2	98	0.00	0.0	7.064	0.091	9	2	1	1
PL.72002	PL.71891	B	6 A (CWC)	7.17Y	119.5	0.00	5.48	1.17	1	8	2	97	0.00	0.0	6.826	0.087	0	0	0	2
PL.72043	PL.72002	B	6 A (CWC)	7.17Y	119.5	0.01	5.48	1.17	1	8	2	97	0.00	0.0	6.954	0.129	0	0	0	2
PL.71894	PL.72043	B	#4 ACSR	7.17Y	119.5	0.00	5.48	1.17	1	8	2	97	0.00	0.0	7.013	0.059	8	2	2	2
PL.71890	PL.72000	B	6 A (CWC)	7.17Y	119.6	0.00	5.44	0.71	1	5	1	98	0.00	0.0	6.683	0.064	5	1	1	2
PL.71889	PL.71890	B	#1/0 ACSR	7.17Y	119.6	0.00	5.44	0.05	0	0	0	100	0.00	0.0	6.725	0.042	0	0	1	1
PL.71888	PL.72275	B	6 A (CWC)	7.18Y	119.6	0.00	5.40	0.67	0	5	1	98	0.00	0.0	6.547	0.098	5	1	1	1
PL.71999	PL.72042	B	6 A (CWC)	7.18Y	119.6	0.02	5.37	3.69	3	26	6	97	0.00	0.0	6.419	0.099	0	0	0	5
PL.71895	PL.71999	B	6 A (CWC)	7.18Y	119.6	0.02	5.39	3.69	3	26	6	97	0.00	0.0	6.521	0.102	0	0	0	5
PL.72276	PL.71895	B	6 A (CWC)	7.18Y	119.6	0.00	5.39	2.28	2	16	4	97	0.00	0.0	6.601	0.080	16	4	2	3
PL.72277	PL.72276	B	6 A (CWC)	7.18Y	119.6	0.00	5.39	0.00	0	0	0	100	0.00	0.0	6.646	0.045	0	0	1	1
PL.72004	PL.71895	B	6 A (CWC)	7.18Y	119.6	0.01	5.40	1.41	1	10	2	98	0.00	0.0	6.702	0.181	0	0	0	2
PL.71896	PL.72004	B	6 A (CWC)	7.18Y	119.6	0.01	5.40	1.41	1	10	2	98	0.00	0.0	6.781	0.080	0	0	0	2
PL.71900	PL.71896	B	6 A (CWC)	7.18Y	119.6	0.00	5.41	1.41	1	10	2	98	0.00	0.0	6.846	0.065	10	2	1	1
PL.71898	PL.71896	B	6 A (CWC)	7.18Y	119.6	0.00	5.40	0.00	0	0	0	100	0.00	0.0	6.948	0.167	0	0	1	1
PL.71899	PL.71898	B	#1/0 ACSR	7.18Y	119.6	0.00	5.40	0.00	0	0	0	100	0.00	0.0	7.014	0.067	0	0	0	0
PL.71897	PL.71896	B	6 A (CWC)	7.18Y	119.6	0.00	5.40	0.00	0	0	0	100	0.00	0.0	6.884	0.103	0	0	0	0
PL.72045	PL.71897	B	6 A (CWC)	7.18Y	119.6	0.00	5.40	0.00	0	0	0	100	0.00	0.0	7.003	0.119	0	0	0	0
PL.72044	PL.72045	B	6 A (CWC)	7.18Y	119.6	0.00	5.40	0.00	0	0	0	100	0.00	0.0	7.109	0.106	0	0	0	0
PL.72951	PL.72044	B	6 A (CWC)	7.18Y	119.6	0.00	5.40	0.00	0	0	0	100	0.00	0.0	7.129	0.021	0	0	0	0
PD.8022-B	PL.72951	B	Open	7.18Y	119.6	0.00	5.40	0.00	0	0	0	100	0.00	0.0	7.129	0.021	0	0	0	0
PL.72304	PL.72122	B	6 A (CWC)	7.19Y	119.8	0.00	5.22	2.84	2	20	5	97	0.00	0.0	6.082	0.039	13	3	2	4
PL.72305	PL.72304	B	6 A (CWC)	7.19Y	119.8	0.00	5.22	0.99	1	7	2	96	0.00	0.0	6.118	0.036	7	2	2	2
PL.71885	PL.72363	B	#4 ACSR	7.19Y	119.9	0.00	5.14	0.45	0	3	1	95	0.00	0.0	6.015	0.085	3	1	1	1
PL.72358	PL.72267	C	6 A (CWC)	7.20Y	120.0	0.00	5.01	16.03	11	112	27	97	0.00	0.0	5.663	0.005	0	0	0	34
PD.10635	PL.72358	C	20T	7.20Y	120.0	0.00	5.01	16.03	0	112	27	97	0.00	0.0	5.663	0.005	0	0	0	34

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Balanced Voltage Drop Report
Source: Annville

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.72359	PD.10635	C	6 A (CWC)	7.20Y	119.9	0.05	5.06	16.03	11	112	27	97	0.04	0.0	5.735	0.072	0	0	0	34
PL.71995	PL.72359	C	6 A (CWC)	7.19Y	119.8	0.12	5.18	15.33	11	107	26	97	0.10	0.1	5.909	0.174	0	0	0	30
PL.72038	PL.71995	C	6 A (CWC)	7.18Y	119.7	0.07	5.25	15.33	11	107	26	97	0.05	0.1	6.004	0.095	0	0	0	30
PL.72040	PL.72038	C	6 A (CWC)	7.18Y	119.7	0.07	5.32	15.33	11	107	26	97	0.05	0.1	6.100	0.096	0	0	0	30
PL.72039	PL.72040	C	6 A (CWC)	7.18Y	119.6	0.06	5.38	15.33	11	107	26	97	0.05	0.0	6.192	0.092	3	1	1	30
PL.71645	PL.72039	C	#4 ACSR	7.18Y	119.6	0.00	5.38	0.91	1	6	2	95	0.00	0.0	6.320	0.128	6	2	1	1
PL.71646	PL.72039	C	6 A (CWC)	7.17Y	119.6	0.06	5.44	10.45	7	73	18	97	0.03	0.0	6.318	0.126	0	0	0	23
PL.72041	PL.71646	C	6 A (CWC)	7.17Y	119.5	0.05	5.48	10.45	7	73	18	97	0.03	0.0	6.414	0.096	2	0	1	23
PL.71654	PL.72041	C	6 A (CWC)	7.17Y	119.5	0.04	5.52	9.97	7	69	17	97	0.02	0.0	6.493	0.079	0	0	0	21
PL.71655	PL.71654	C	#4 ACSR	7.17Y	119.5	0.00	5.52	0.28	0	2	0	100	0.00	0.0	6.560	0.066	2	0	1	1
PL.72264	PL.71654	C	#1/0 ACSR	7.17Y	119.5	0.01	5.53	9.70	4	68	16	97	0.00	0.0	6.543	0.049	1	0	1	20
PL.72265	PL.72264	C	#1/0 ACSR	7.17Y	119.5	0.02	5.55	9.54	4	66	16	97	0.01	0.0	6.619	0.077	0	0	0	19
PL.72259	PL.72265	C	#1/0 ACSR	7.17Y	119.4	0.02	5.56	9.54	4	66	16	97	0.01	0.0	6.696	0.077	2	0	2	19
PL.72260	PL.72259	C	#1/0 ACSR	7.17Y	119.4	0.01	5.57	9.25	4	64	16	97	0.00	0.0	6.747	0.051	0	0	0	17
PL.71657	PL.72260	C	6 A (CWC)	7.16Y	119.4	0.02	5.60	7.04	5	49	12	97	0.01	0.0	6.816	0.069	2	1	1	16
PL.71659	PL.71657	C	#4 ACSR	7.16Y	119.4	0.00	5.60	0.00	0	0	0	100	0.00	0.0	6.893	0.077	0	0	0	0
PL.71660	PL.71657	C	6 A (CWC)	7.16Y	119.4	0.03	5.62	6.70	5	47	11	97	0.01	0.0	6.928	0.113	18	4	4	15
PL.72192	PL.71660	C	#4 ACSR	7.16Y	119.4	0.01	5.63	4.13	3	29	7	97	0.00	0.0	6.959	0.031	0	0	1	11
PL.72193	PL.72192	C	#4 ACSR	7.16Y	119.3	0.02	5.65	4.08	3	28	7	97	0.00	0.0	7.083	0.124	4	1	1	10
PL.71661	PL.72193	C	#4 ACSR	7.16Y	119.3	0.01	5.66	3.44	3	24	6	97	0.00	0.0	7.147	0.064	9	2	2	9
PL.72257	PL.71661	C	#1/0 ACSR	7.16Y	119.3	0.00	5.66	2.20	1	15	4	97	0.00	0.0	7.155	0.008	0	0	1	7
PL.72258	PL.72257	C	#1/0 ACSR	7.16Y	119.3	0.00	5.66	2.20	1	15	4	97	0.00	0.0	7.230	0.075	5	1	3	6
PL.71998	PL.72258	C	#1/0 ACSR	7.16Y	119.3	0.00	5.67	1.55	1	11	3	96	0.00	0.0	7.336	0.106	0	0	0	3
PL.71662	PL.71998	C	#1/0 ACSR	7.16Y	119.3	0.00	5.67	1.55	1	11	3	96	0.00	0.0	7.375	0.039	7	2	1	3
PL.71663	PL.71662	C	#4 ACSR	7.16Y	119.3	0.00	5.67	0.53	0	4	1	97	0.00	0.0	7.418	0.043	0	0	0	2
PL.71664	PL.71663	C	#4 ACSR	7.16Y	119.3	0.00	5.67	0.51	0	4	1	97	0.00	0.0	7.435	0.017	4	1	1	1
PL.72190	PL.71663	C	#4 ACSR	7.16Y	119.3	0.00	5.67	0.02	0	0	0	100	0.00	0.0	7.463	0.045	0	0	1	1
PL.72191	PL.72190	C	#4 ACSR	7.16Y	119.3	0.00	5.67	0.00	0	0	0	100	0.00	0.0	7.570	0.107	0	0	0	0
PL.72189	PL.72191	C	#4 ACSR	7.16Y	119.3	0.00	5.67	0.00	0	0	0	100	0.00	0.0	7.647	0.077	0	0	0	0
PL.71665	PL.72189	C	#4 ACSR	7.16Y	119.3	0.00	5.67	0.00	0	0	0	100	0.00	0.0	7.687	0.040	0	0	0	0
PL.71656	PL.72260	C	6 A (CWC)	7.17Y	119.4	0.00	5.58	2.21	2	15	4	97	0.00	0.0	6.779	0.032	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.71658	PL.71656	C	6 A (CWC)	7.17Y	119.4	0.00	5.58	2.21	2	15	4	97	0.00	0.0	6.830	0.052	15	4	1	1
PL.71653	PL.72041	C	#4 ACSR	7.17Y	119.5	0.00	5.49	0.20	0	1	0	100	0.00	0.0	6.473	0.059	1	0	1	1
PL.71644	PL.72039	C	#4 ACSR	7.18Y	119.6	0.01	5.40	3.58	3	25	6	97	0.00	0.0	6.286	0.094	0	0	0	5
PL.71996	PL.71644	C	#4 ACSR	7.18Y	119.6	0.01	5.40	1.81	1	13	3	97	0.00	0.0	6.371	0.084	0	0	1	4
PL.71648	PL.71996	C	#4 ACSR	7.18Y	119.6	0.00	5.41	1.78	1	12	3	97	0.00	0.0	6.426	0.056	0	0	0	3
PL.71649	PL.71648	C	#1/0 ACSR	7.18Y	119.6	0.00	5.41	0.79	0	6	1	99	0.00	0.0	6.462	0.035	6	1	1	1
PL.71650	PL.71648	C	#1/0 ACSR	7.18Y	119.6	0.00	5.41	0.70	0	5	1	98	0.00	0.0	6.472	0.045	5	1	1	1
PL.71997	PL.71648	C	#4 ACSR	7.18Y	119.6	0.00	5.41	0.28	0	2	0	100	0.00	0.0	6.503	0.076	2	0	1	1
PL.71647	PL.71644	C	#1/0 ACSR	7.18Y	119.6	0.00	5.40	1.77	1	12	3	97	0.00	0.0	6.321	0.034	12	3	1	1
PL.71643	PL.72359	C	#4 ACSR	7.20Y	119.9	0.00	5.06	0.44	0	3	1	95	0.00	0.0	5.830	0.095	3	1	2	2
PL.71642	PL.72359	C	#4 ACSR	7.20Y	119.9	0.00	5.06	0.25	0	2	0	100	0.00	0.0	5.780	0.045	2	0	2	2
PL.72354	PL.71994	C	#1/0 ACSR	7.22Y	120.3	0.00	4.73	0.00	0	0	0	100	0.00	0.0	5.083	0.005	0	0	0	0
PD.10633	PL.72354	C	20T	7.22Y	120.3	0.00	4.73	0.00	0	0	0	100	0.00	0.0	5.083	0.005	0	0	0	0
PL.72355	PD.10633	C	#1/0 ACSR	7.22Y	120.3	0.00	4.73	0.00	0	0	0	100	0.00	0.0	5.162	0.079	0	0	0	0
PL.72120	PL.72037	A	6 A (CWC)	7.22Y	120.3	0.00	4.71	7.01	5	49	12	97	0.00	0.0	5.046	0.005	0	0	0	7
PD.10632	PL.72120	A	20T	7.22Y	120.3	0.00	4.71	7.01	0	49	12	97	0.00	0.0	5.046	0.005	0	0	0	7
PL.71634	PD.10632	A	6 A (CWC)	7.22Y	120.3	0.00	4.72	1.80	1	13	3	97	0.00	0.0	5.110	0.064	13	3	1	1
PL.72121	PD.10632	A	6 A (CWC)	7.21Y	120.2	0.04	4.76	5.21	4	37	9	97	0.01	0.0	5.224	0.178	0	0	0	6
PL.71636	PL.72121	A	#4 ACSR	7.21Y	120.2	0.00	4.76	2.97	2	21	5	97	0.00	0.0	5.283	0.059	21	5	3	3
PL.71637	PL.72121	A	6 A (CWC)	7.21Y	120.2	0.01	4.76	2.23	2	16	4	97	0.00	0.0	5.285	0.062	0	0	0	3
PL.71638	PL.71637	A	#4 ACSR	7.21Y	120.2	0.00	4.76	1.23	1	9	2	98	0.00	0.0	5.303	0.018	9	2	1	1
PL.71639	PL.71637	A	#2 ACSR	7.21Y	120.2	0.00	4.77	1.01	1	7	2	96	0.00	0.0	5.406	0.120	0	0	1	2
PL.71640	PL.71639	A	#2 ACSR	7.21Y	120.2	0.00	4.77	1.00	1	7	2	96	0.00	0.0	5.539	0.133	7	2	1	1
PL.71754	PL.72184	C	#4 ACSR	7.23Y	120.5	0.00	4.47	8.74	7	61	15	97	0.00	0.0	4.584	0.005	0	0	0	14
PD.10630	PL.71754	C	20T	7.23Y	120.5	0.00	4.47	8.74	0	61	15	97	0.00	0.0	4.584	0.005	0	0	0	14
PL.72018	PD.10630	C	#4 ACSR	7.23Y	120.5	0.00	4.47	1.33	1	9	2	98	0.00	0.0	4.630	0.046	9	2	2	2
PL.71753	PD.10630	C	6 A (CWC)	7.23Y	120.5	0.04	4.50	7.41	5	52	13	97	0.01	0.0	4.709	0.125	16	4	2	12
PL.71775	PL.71753	C	6 A (CWC)	7.23Y	120.5	0.03	4.53	5.16	4	36	9	97	0.01	0.0	4.843	0.134	0	0	0	10
PL.71776	PL.71775	C	#1/0 ACSR	7.23Y	120.5	0.00	4.53	1.25	1	9	2	98	0.00	0.0	4.920	0.077	9	2	1	1
PL.71991	PL.71775	C	6 A (CWC)	7.23Y	120.5	0.02	4.55	3.91	3	27	7	97	0.00	0.0	4.930	0.088	0	0	0	9
PL.71777	PL.71991	C	#4 ACSR	7.23Y	120.4	0.01	4.55	2.42	2	17	4	97	0.00	0.0	4.980	0.050	0	0	0	3

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

Balanced Voltage Drop Report
Source: Annville

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.71778	PL.71777	C	#4 ACSR	7.23Y	120.4	0.02	4.57	2.42	2	17	4	97	0.00	0.0	5.156	0.175	0	0	0	3
PL.71782	PL.71778	C	#4 ACSR	7.23Y	120.4	0.00	4.58	1.11	1	8	2	97	0.00	0.0	5.257	0.101	8	2	2	2
PL.71993	PL.71778	C	#4 ACSR	7.23Y	120.4	0.01	4.58	1.31	1	9	2	98	0.00	0.0	5.259	0.104	0	0	0	1
PL.72034	PL.71993	C	#4 ACSR	7.22Y	120.4	0.01	4.59	1.31	1	9	2	98	0.00	0.0	5.398	0.139	0	0	0	1
PL.71783	PL.72034	C	#1/0 ACSR	7.22Y	120.4	0.00	4.59	1.31	1	9	2	98	0.00	0.0	5.462	0.063	9	2	1	1
PL.71992	PL.71991	C	6 A (CWC)	7.23Y	120.4	0.01	4.56	1.49	1	10	3	96	0.00	0.0	5.074	0.144	0	0	0	6
PL.71779	PL.71992	C	6 A (CWC)	7.23Y	120.4	0.00	4.56	0.40	0	3	1	95	0.00	0.0	5.118	0.044	3	1	2	2
PL.71780	PL.71992	C	6 A (CWC)	7.23Y	120.4	0.01	4.57	1.09	1	8	2	97	0.00	0.0	5.254	0.180	0	0	0	4
PL.72035	PL.71780	C	6 A (CWC)	7.23Y	120.4	0.01	4.57	1.09	1	8	2	97	0.00	0.0	5.369	0.115	0	0	0	4
PL.72278	PL.72035	C	6 A (CWC)	7.23Y	120.4	0.00	4.58	0.89	1	6	2	95	0.00	0.0	5.485	0.117	6	2	2	3
PL.72279	PL.72278	C	6 A (CWC)	7.23Y	120.4	0.00	4.58	0.00	0	0	0	100	0.00	0.0	5.590	0.105	0	0	0	1
PL.72036	PL.72279	C	6 A (CWC)	7.23Y	120.4	0.00	4.58	0.00	0	0	0	100	0.00	0.0	5.682	0.092	0	0	1	1
PL.71781	PL.72035	C	6 A (CWC)	7.23Y	120.4	0.00	4.57	0.20	0	1	0	100	0.00	0.0	5.431	0.062	1	0	1	1
PL.72350	PL.72032	C	6 A (CWC)	7.24Y	120.7	0.00	4.30	2.17	2	15	4	97	0.00	0.0	4.307	0.005	0	0	0	3
PD.10629	PL.72350	C	20T	7.24Y	120.7	0.00	4.30	2.17	0	15	4	97	0.00	0.0	4.307	0.005	0	0	0	3
PL.72351	PD.10629	C	6 A (CWC)	7.24Y	120.7	0.01	4.31	2.17	2	15	4	97	0.00	0.0	4.381	0.075	0	0	0	3
PL.71751	PL.72351	C	#1/0 ACSR	7.24Y	120.7	0.00	4.31	1.39	1	10	2	98	0.00	0.0	4.423	0.041	10	2	1	1
PL.71990	PL.72351	C	6 A (CWC)	7.24Y	120.7	0.01	4.31	0.78	1	5	1	98	0.00	0.0	4.550	0.169	0	0	0	2
PL.71752	PL.71990	C	#2 ACSR	7.24Y	120.7	0.00	4.31	0.78	0	5	1	98	0.00	0.0	4.639	0.089	0	0	0	2
PL.72033	PL.71752	C	#2 ACSR	7.24Y	120.7	0.00	4.32	0.78	0	5	1	98	0.00	0.0	4.741	0.101	0	0	0	2
PL.71652	PL.72033	C	#1/0 ACSR	7.24Y	120.7	0.00	4.32	0.02	0	0	0	100	0.00	0.0	4.842	0.102	0	0	1	1
PL.71651	PL.72033	C	#2 ACSR	7.24Y	120.7	0.00	4.32	0.76	0	5	1	98	0.00	0.0	4.883	0.142	5	1	1	1
PL.72348	PL.72017	C	#4 ACSR	7.26Y	120.9	0.00	4.06	0.00	0	0	0	100	0.00	0.0	3.932	0.005	0	0	0	1
PD.10628	PL.72348	C	65T	7.26Y	120.9	0.00	4.06	0.00	0	0	0	100	0.00	0.0	3.932	0.005	0	0	0	1
PL.72349	PD.10628	C	#4 ACSR	7.26Y	120.9	0.00	4.06	0.00	0	0	0	100	0.00	0.0	4.008	0.076	0	0	0	1
PL.72030	PL.72349	C	#4 ACSR	7.26Y	120.9	0.00	4.06	0.00	0	0	0	100	0.00	0.0	4.189	0.181	0	0	0	1
PL.72112	PL.72030	C	#4 ACSR	7.26Y	120.9	0.00	4.06	0.00	0	0	0	100	0.00	0.0	4.274	0.085	0	0	0	1
PL.71750	PL.72112	C	#2 ACSR	7.26Y	120.9	0.00	4.06	0.00	0	0	0	100	0.00	0.0	4.291	0.017	0	0	1	1
PL.72113	PL.72112	C	#4 ACSR	7.26Y	120.9	0.00	4.06	0.00	0	0	0	100	0.00	0.0	4.333	0.059	0	0	0	0
PL.72346	PL.72415	C	6 A (CWC)	7.27Y	121.2	0.00	3.79	0.14	0	1	0	100	0.00	0.0	3.649	0.005	0	0	0	1
PD.10626	PL.72346	C	65T	7.27Y	121.2	0.00	3.79	0.14	0	1	0	100	0.00	0.0	3.649	0.005	0	0	0	1

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Balanced Voltage Drop Report
Source: Annville

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.72347	PD.10626	C	6 A (CWC)	7.27Y	121.2	0.00	3.79	0.14	0	1	0	100	0.00	0.0	3.705	0.056	1	0	1	1
CP.111	PL.72414	ABC	Cap (300)	7.28Y	121.3	0.00	3.74	0.00	0	0	0	100	0.00	0.0	3.605	0.056	0	0	0	0
PL.72111	PL.72029	A	#1/0 ACSR	7.29Y	121.4	0.00	3.58	4.00	2	28	7	97	0.00	0.0	3.505	0.005	0	0	0	7
PD.10627	PL.72111	A	65T	7.29Y	121.4	0.00	3.58	4.00	0	28	7	97	0.00	0.0	3.505	0.005	0	0	0	7
PL.72110	PD.10627	A	#1/0 ACSR	7.28Y	121.4	0.00	3.58	2.31	1	16	4	97	0.00	0.0	3.559	0.054	4	1	1	5
PL.71746	PL.72110	A	#1/0 ACSR	7.28Y	121.4	0.00	3.59	1.27	1	9	2	98	0.00	0.0	3.639	0.079	9	2	1	1
PL.71747	PL.72110	A	#2 ACSR	7.28Y	121.4	0.00	3.59	0.54	0	4	1	97	0.00	0.0	3.601	0.042	4	1	3	3
PL.71748	PD.10627	A	#4 ACSR	7.28Y	121.4	0.00	3.59	1.69	1	12	3	97	0.00	0.0	3.596	0.091	12	3	2	2
PL.72342	PL.71731	A	#1/0 ACSR	7.33Y	122.1	0.00	2.88	0.89	0	6	2	95	0.00	0.0	3.042	0.005	0	0	0	2
PD.10624	PL.72342	A	65T	7.33Y	122.1	0.00	2.88	0.89	0	6	2	95	0.00	0.0	3.042	0.005	0	0	0	2
PL.72343	PD.10624	A	#1/0 ACSR	7.33Y	122.1	0.00	2.88	0.89	0	6	2	95	0.00	0.0	3.169	0.127	0	0	0	2
PL.71950	PL.72343	A	#1/0 ACSR	7.33Y	122.1	0.00	2.88	0.64	0	5	1	98	0.00	0.0	3.247	0.078	0	0	0	1
PL.71951	PL.71950	A	#1/0 ACSR	7.33Y	122.1	0.00	2.88	0.64	0	5	1	98	0.00	0.0	3.313	0.066	5	1	1	1
PL.71736	PL.72343	A	#1/0 ACSR	7.33Y	122.1	0.00	2.88	0.25	0	2	0	100	0.00	0.0	3.284	0.115	2	0	1	1
PL.72376	PL.71731	C	#1/0 ACSR	7.33Y	122.1	0.00	2.88	4.85	2	35	8	97	0.00	0.0	3.042	0.005	0	0	0	6
PD.10746	PL.72376	C	65T	7.33Y	122.1	0.00	2.88	4.85	0	35	8	97	0.00	0.0	3.042	0.005	0	0	0	6
PL.72377	PD.10746	C	#1/0 ACSR	7.33Y	122.1	0.00	2.88	4.85	2	35	8	97	0.00	0.0	3.053	0.012	0	0	0	6
PL.71732	PL.72377	C	6 A (CWC)	7.33Y	122.1	0.03	2.91	4.85	3	35	8	97	0.01	0.0	3.178	0.124	0	0	0	6
PL.71739	PL.71732	C	6 A (CWC)	7.32Y	122.1	0.03	2.94	4.81	3	34	8	97	0.01	0.0	3.307	0.129	0	0	0	5
PL.71740	PL.71739	C	#4 ACSR	7.32Y	122.1	0.00	2.94	0.97	1	7	2	96	0.00	0.0	3.377	0.071	7	2	1	1
PL.71952	PL.71739	C	6 A (CWC)	7.32Y	122.0	0.02	2.96	3.84	3	27	7	97	0.00	0.0	3.437	0.131	0	0	0	4
PL.72028	PL.71952	C	6 A (CWC)	7.32Y	122.0	0.02	2.98	3.84	3	27	7	97	0.00	0.0	3.573	0.135	1	0	1	4
PL.71741	PL.72028	C	6 A (CWC)	7.32Y	122.0	0.01	2.99	3.76	3	27	7	97	0.00	0.0	3.619	0.046	0	0	0	3
PL.72187	PL.71741	C	6 A (CWC)	7.32Y	122.0	0.01	3.00	1.97	1	14	3	98	0.00	0.0	3.706	0.087	7	2	1	2
PL.72188	PL.72187	C	6 A (CWC)	7.32Y	122.0	0.00	3.00	0.92	1	7	2	96	0.00	0.0	3.732	0.026	0	0	0	1
PL.71743	PL.72188	C	#1/0 ACSR	7.32Y	122.0	0.00	3.00	0.92	0	7	2	96	0.00	0.0	3.832	0.100	0	0	0	1
PL.71744	PL.71743	C	#1/0 ACSR	7.32Y	122.0	0.00	3.00	0.92	0	7	2	96	0.00	0.0	3.872	0.040	7	2	1	1
PL.71742	PL.71741	C	#2 ACSR	7.32Y	122.0	0.00	2.99	1.79	1	13	3	97	0.00	0.0	3.693	0.074	13	3	1	1
PL.71738	PL.71732	C	#4 ACSR	7.33Y	122.1	0.00	2.91	0.04	0	0	0	100	0.00	0.0	3.282	0.104	0	0	1	1
PL.72338	PL.71727	B	6 A (CWC)	7.39Y	123.2	0.00	1.80	3.68	3	26	6	97	0.00	0.0	2.363	0.005	0	0	0	4
PD.10622	PL.72338	B	65T	7.39Y	123.2	0.00	1.80	3.68	0	26	6	97	0.00	0.0	2.363	0.005	0	0	0	4

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Balanced Voltage Drop Report
Source: Annville

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.72339	PD.10622	B	6 A (CWC)	7.39Y	123.2	0.00	1.80	3.68	3	26	6	97	0.00	0.0	2.383	0.020	12	3	1	4
PL.70799	PL.72339	B	6 A (CWC)	7.39Y	123.2	0.00	1.81	1.97	1	14	3	98	0.00	0.0	2.441	0.058	4	1	1	3
PL.71947	PL.70799	B	6 A (CWC)	7.39Y	123.2	0.00	1.81	0.37	0	3	1	95	0.00	0.0	2.495	0.054	3	1	1	1
PL.71728	PL.70799	B	#1/0 ACSR	7.39Y	123.2	0.00	1.81	1.10	0	8	2	97	0.00	0.0	2.505	0.064	8	2	1	1
PL.71105	Annville	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	41.63	8	850	393	91	0.00	0.0	0.006	0.006	0	0	0	28
PL.72915	PL.71105	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	41.63	8	850	393	91	0.00	0.0	0.011	0.005	0	0	0	28
---------- Feeder No. 4 (Midsouth F4) Beginning with Device PD.11198 ----------																				
PD.11198	PL.72915	ABC	400VWE	7.50Y	125.0	0.00	0.00	41.63	0	850	393	91	0.00	0.0	0.011	0.005	0	0	0	28
PL.72916	PD.11198	ABC	397 SPACER	7.50Y	125.0	0.02	0.03	41.63	8	850	393	91	0.03	0.0	0.139	0.129	0	0	0	28
PL.72416	PL.72916	ABC	336 MCM AC	7.50Y	125.0	0.01	0.04	41.63	8	850	393	91	0.04	0.0	0.169	0.030	0	0	0	28
PL.72417	PL.72416	ABC	336 MCM AC	7.50Y	124.9	0.03	0.07	41.63	8	850	393	91	0.12	0.0	0.248	0.079	0	0	0	28
PL.72444	PL.72417	ABC	336 MCM AC	7.49Y	124.9	0.05	0.11	41.63	8	850	393	91	0.18	0.0	0.371	0.123	0	0	0	28
PL.72418	PL.72444	ABC	336 MCM AC	7.49Y	124.8	0.04	0.15	41.63	8	850	392	91	0.16	0.0	0.482	0.111	0	0	0	28
PL.72419	PL.72418	ABC	336 MCM AC	7.49Y	124.8	0.01	0.16	41.63	8	849	392	91	0.04	0.0	0.513	0.031	0	0	0	28
PL.72423	PL.72419	ABC	336 MCM AC	7.49Y	124.8	0.03	0.19	41.63	8	849	392	91	0.11	0.0	0.587	0.074	0	0	0	28
PL.72194	PL.72423	ABC	336 MCM AC	7.49Y	124.8	0.02	0.21	41.34	8	843	390	91	0.06	0.0	0.633	0.045	5	1	2	25
PL.72195	PL.72194	ABC	336 MCM AC	7.49Y	124.8	0.02	0.22	41.14	8	838	389	91	0.06	0.0	0.678	0.045	0	0	0	23
PL.72196	PL.72195	ABC	336 MCM AC	7.49Y	124.8	0.02	0.24	40.80	8	831	387	91	0.06	0.0	0.721	0.043	14	3	1	22
PL.72197	PL.72196	ABC	336 MCM AC	7.48Y	124.7	0.04	0.28	40.18	8	817	383	91	0.17	0.0	0.843	0.123	2	1	1	21
PL.72198	PL.72197	ABC	336 MCM AC	7.48Y	124.7	0.02	0.30	40.07	8	814	382	91	0.07	0.0	0.895	0.052	0	0	0	20
PL.72447	PL.72198	ABC	#1/0 ACSR	7.48Y	124.7	0.00	0.30	0.58	0	13	3	97	0.00	0.0	0.920	0.025	0	0	0	4
PL.72199	PL.72447	ABC	#1/0 ACSR	7.48Y	124.7	0.00	0.30	0.58	0	13	3	97	0.00	0.0	0.940	0.020	0	0	0	4
PL.72422	PL.72199	ABC	#1/0 ACSR	7.48Y	124.7	0.00	0.30	0.58	0	13	3	97	0.00	0.0	0.972	0.032	13	3	4	4
PL.72420	PL.72198	ABC	336 MCM AC	7.48Y	124.7	0.00	0.30	0.00	0	0	0	100	0.00	0.0	0.918	0.023	0	0	1	1
PL.72421	PL.72198	ABC	336 MCM AC	7.48Y	124.7	0.02	0.32	39.49	8	801	379	90	0.06	0.0	0.944	0.049	0	0	0	15
PL.72438	PL.72421	ABC	336 MCM AC	7.48Y	124.7	0.02	0.33	29.93	6	607	288	90	0.04	0.0	1.001	0.057	0	0	0	13
PL.72425	PL.72438	ABC	336 MCM AC	7.48Y	124.6	0.02	0.35	29.93	6	607	288	90	0.05	0.0	1.074	0.073	0	0	1	13
PL.72204	PL.72425	C	#4 ACSR	7.48Y	124.6	0.00	0.35	1.17	1	9	2	98	0.00	0.0	1.078	0.005	0	0	0	1
PD.10765	PL.72204	C	65T	7.48Y	124.6	0.00	0.35	1.17	0	9	2	98	0.00	0.0	1.078	0.005	0	0	0	1

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Balanced Voltage Drop Report
Source: Annville

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.72205	PD.10765	C	#4 ACSR	7.48Y	124.6	0.00	0.35	1.17	1	9	2	98	0.00	0.0	1.157	0.078	9	2	1	1
PL.72440	PL.72425	ABC	336 MCM AC	7.48Y	124.6	0.02	0.38	29.54	6	598	286	90	0.07	0.0	1.165	0.092	0	0	0	11
PL.72441	PL.72440	ABC	336 MCM AC	7.48Y	124.6	0.01	0.38	26.71	5	541	258	90	0.02	0.0	1.192	0.027	0	0	0	10
PL.72208	PL.72441	ABC	350 MCM AL	7.48Y	124.6	0.00	0.38	26.71	8	541	258	90	0.00	0.0	1.197	0.005	0	0	0	10
PD.10767	PL.72208	ABC	65T	7.48Y	124.6	0.00	0.38	26.71	0	541	258	90	0.00	0.0	1.197	0.005	0	0	0	10
PL.72209	PD.10767	ABC	350 MCM AL	7.48Y	124.6	0.02	0.40	26.71	8	541	258	90	0.05	0.0	1.288	0.091	0	0	0	10
PD.10768-A	PL.72209	ABC	Closed	7.48Y	124.6	0.00	0.40	26.71	0	541	258	90	0.00	0.0	1.288	0.091	0	0	0	10
PD.10768-B	PD.10768-A	ABC	Closed	7.48Y	124.6	0.00	0.40	26.71	0	541	258	90	0.00	0.0	1.288	0.091	0	0	0	10
PL.72429	PD.10768-B	ABC	1/0 AL URD	7.48Y	124.6	0.00	0.40	0.29	0	6	2	95	0.00	0.0	1.374	0.086	0	0	0	1
PL.72430	PL.72429	A	#1/0 ACSR	7.48Y	124.6	0.00	0.40	0.87	0	6	2	95	0.00	0.0	1.549	0.174	6	2	1	1
PL.72442	PD.10768-B	ABC	350 MCM AL	7.48Y	124.6	0.00	0.40	14.60	5	295	143	90	0.00	0.0	1.341	0.052	295	143	1	1
PL.72428	PD.10768-B	ABC	350 MCM AL	7.48Y	124.6	0.00	0.40	11.82	4	240	113	90	0.01	0.0	1.343	0.055	0	0	0	8
PD.10771-A	PL.72428	ABC	Closed	7.48Y	124.6	0.00	0.40	11.82	0	240	113	90	0.00	0.0	1.343	0.055	0	0	0	8
PD.10771-B	PD.10771-A	ABC	Closed	7.48Y	124.6	0.00	0.40	11.82	0	240	113	90	0.00	0.0	1.343	0.055	0	0	0	8
PL.72432	PD.10771-B	ABC	1/0 AL URD	7.48Y	124.6	0.01	0.41	7.47	4	152	71	91	0.01	0.0	1.395	0.053	0	0	0	7
PL.72436	PL.72432	C	1/0 AL URD	7.48Y	124.6	0.00	0.41	0.27	0	2	0	100	0.00	0.0	1.437	0.042	2	0	3	3
PL.72433	PL.72432	ABC	1/0 AL URD	7.48Y	124.6	0.01	0.42	4.02	2	82	38	91	0.00	0.0	1.469	0.074	0	0	0	2
PL.72437	PL.72433	C	1/0 AL URD	7.47Y	124.6	0.00	0.42	0.63	0	5	1	98	0.00	0.0	1.478	0.009	5	1	1	1
PL.72443	PL.72433	ABC	1/0 AL URD	7.47Y	124.6	0.00	0.42	3.82	2	77	37	90	0.00	0.0	1.569	0.100	77	37	1	1
PL.72434	PL.72432	ABC	1/0 AL URD	7.48Y	124.6	0.00	0.41	3.36	2	68	32	90	0.00	0.0	1.469	0.074	63	30	1	2
PL.72435	PL.72434	B	1/0 AL URD	7.48Y	124.6	0.00	0.41	0.76	0	6	1	99	0.00	0.0	1.472	0.003	6	1	1	1
PL.72431	PD.10771-B	ABC	350 MCM AL	7.48Y	124.6	0.00	0.40	4.35	1	88	43	90	0.00	0.0	1.347	0.004	88	43	1	1
PL.72206	PL.72440	ABC	1/0 AL URD	7.48Y	124.6	0.00	0.38	2.84	2	57	28	90	0.00	0.0	1.170	0.005	0	0	0	1
PD.10766	PL.72206	ABC	65T	7.48Y	124.6	0.00	0.38	2.84	0	57	28	90	0.00	0.0	1.170	0.005	0	0	0	1
PL.72207	PD.10766	ABC	1/0 AL URD	7.48Y	124.6	0.00	0.38	2.84	2	57	28	90	0.00	0.0	1.256	0.086	57	28	1	1
PL.72424	PL.72421	ABC	336 MCM AC	7.48Y	124.7	0.00	0.32	9.56	2	194	91	91	0.00	0.0	0.978	0.034	0	0	0	2
PL.72212	PL.72424	ABC	500 MCM AL	7.48Y	124.7	0.00	0.32	9.56	2	194	91	91	0.00	0.0	0.981	0.003	0	0	0	2
PD.10773-A	PL.72212	ABC	Closed	7.48Y	124.7	0.00	0.32	9.56	0	194	91	91	0.00	0.0	0.981	0.003	0	0	0	2
PD.10773-B	PD.10773-A	ABC	Closed	7.48Y	124.7	0.00	0.32	9.56	0	194	91	91	0.00	0.0	0.981	0.003	0	0	0	2
PL.72213	PD.10773-B	ABC	500 MCM AL	7.48Y	124.7	0.00	0.32	9.56	2	194	91	91	0.00	0.0	0.983	0.002	0	0	0	2
PD.10769-A	PL.72213	ABC	Closed	7.48Y	124.7	0.00	0.32	9.56	0	194	91	91	0.00	0.0	0.983	0.002	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: Annville

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.10769-B	PD.10769-A	ABC	Closed	7.48Y	124.7	0.00	0.32	9.56	0	194	91	91	0.00	0.0	0.983	0.002	0	0	0	2
PL.72439	PD.10769-B	ABC	500 MCM AL	7.48Y	124.7	0.00	0.32	0.00	0	0	0	100	0.00	0.0	1.030	0.047	0	0	0	0
PD.10770-A	PL.72439	ABC	Closed	7.48Y	124.7	0.00	0.32	0.00	0	0	0	100	0.00	0.0	1.030	0.047	0	0	0	0
PD.10770-B	PD.10770-A	ABC	Closed	7.48Y	124.7	0.00	0.32	0.00	0	0	0	100	0.00	0.0	1.030	0.047	0	0	0	0
PL.72200	PD.10770-B	ABC	500 MCM AL	7.48Y	124.7	0.00	0.32	0.00	0	0	0	100	0.00	0.0	1.032	0.002	0	0	0	0
PL.72201	PL.72200	ABC	500 MCM AL	7.48Y	124.7	0.00	0.32	0.00	0	0	0	100	0.00	0.0	1.035	0.002	0	0	0	0
PL.72426	PD.10769-B	C	1/0 AL URD	7.48Y	124.7	0.00	0.32	1.88	1	14	3	98	0.00	0.0	1.026	0.042	14	3	2	2
PL.72427	PD.10769-B	ABC	500 MCM AL	7.48Y	124.7	0.00	0.32	8.95	2	181	88	90	0.00	0.0	1.085	0.101	181	88	0	0
PL.72446	PL.72195	A	#1/0 ACSR	7.49Y	124.8	0.00	0.22	1.03	0	7	2	96	0.00	0.0	0.687	0.010	0	0	0	1
PD.10764	PL.72446	A	65T	7.49Y	124.8	0.00	0.22	1.03	0	7	2	96	0.00	0.0	0.687	0.010	0	0	0	1
PL.72203	PD.10764	A	#1/0 ACSR	7.49Y	124.8	0.00	0.22	1.03	0	7	2	96	0.00	0.0	0.717	0.029	7	2	1	1
PL.72445	PL.72423	A	#1/0 ACSR	7.49Y	124.8	0.00	0.19	0.87	0	6	2	95	0.00	0.0	0.596	0.009	0	0	0	3
PD.10763	PL.72445	A	65T	7.49Y	124.8	0.00	0.19	0.87	0	6	2	95	0.00	0.0	0.596	0.009	0	0	0	3
PL.72202	PD.10763	A	#1/0 ACSR	7.49Y	124.8	0.00	0.19	0.87	0	6	2	95	0.00	0.0	0.616	0.020	6	2	3	3
PL.71180	Annville	ABC	750 MCM AL	7.50Y	125.0	0.00	0.00	9.78	2	214	52	97	0.00	0.0	0.006	0.006	0	0	0	40
PL.72909	PL.71180	ABC	750 MCM AL	7.50Y	125.0	0.00	0.00	9.78	2	214	52	97	0.00	0.0	0.010	0.004	0	0	0	40
---------- Feeder No. 1 (Tyner F1) Beginning with Device PD.11195 ----------																				
PD.11195	PL.72909	ABC	400VWE	7.50Y	125.0	0.00	0.00	9.78	0	214	52	97	0.00	0.0	0.010	0.004	0	0	0	40
PL.72910	PD.11195	ABC	750 MCM AL	7.50Y	125.0	0.00	0.00	9.78	2	214	52	97	0.00	0.0	0.017	0.007	0	0	0	40
PD.10644-A	PL.72910	ABC	Closed	7.50Y	125.0	0.00	0.00	9.78	0	214	52	97	0.00	0.0	0.017	0.007	0	0	0	40
PD.10644-B	PD.10644-A	ABC	Closed	7.50Y	125.0	0.00	0.00	9.78	0	214	52	97	0.00	0.0	0.017	0.007	0	0	0	40
PL.70588	PD.10644-B	ABC	750 MCM AL	7.50Y	125.0	0.00	0.00	9.78	2	214	52	97	0.00	0.0	0.022	0.005	0	0	0	40
PL.70519	PL.70588	ABC	500 MCM AL	7.50Y	125.0	0.00	0.00	9.78	2	214	52	97	0.00	0.0	0.096	0.074	0	0	0	40
PL.70520	PL.70519	ABC	336 MCM AC	7.50Y	125.0	0.00	0.01	9.78	2	214	52	97	0.00	0.0	0.126	0.030	0	0	0	40
PL.70521	PL.70520	ABC	336 MCM AC	7.50Y	125.0	0.01	0.01	9.78	2	214	52	97	0.01	0.0	0.249	0.123	0	0	0	40
PL.70554	PL.70521	ABC	336 MCM AC	7.50Y	125.0	0.01	0.02	9.78	2	214	52	97	0.01	0.0	0.329	0.080	0	0	0	40
PL.70555	PL.70554	ABC	336 MCM AC	7.50Y	125.0	0.01	0.03	9.78	2	214	52	97	0.01	0.0	0.442	0.113	0	0	0	40
PL.70522	PL.70555	ABC	336 MCM AC	7.50Y	125.0	0.00	0.03	9.78	2	214	52	97	0.00	0.0	0.463	0.021	0	0	0	40
PL.70523	PL.70522	ABC	336 MCM AC	7.50Y	125.0	0.00	0.03	9.78	2	214	52	97	0.01	0.0	0.534	0.071	10	2	2	40

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

Balanced Voltage Drop Report
Source: Annville

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.70525	PL.70523	ABC	336 MCM AC	7.50Y	125.0	0.00	0.04	5.90	1	129	31	97	0.00	0.0	0.616	0.082	0	0	0	18
PL.70563	PL.70525	ABC	336 MCM AC	7.50Y	125.0	0.00	0.04	4.81	1	105	26	97	0.00	0.0	0.731	0.116	10	3	1	14
PL.70564	PL.70563	ABC	336 MCM AC	7.50Y	125.0	0.00	0.04	4.33	1	95	23	97	0.00	0.0	0.832	0.101	0	0	0	13
PL.70580	PL.70564	A	#4 ACSR	7.50Y	125.0	0.00	0.04	2.01	2	15	4	97	0.00	0.0	0.836	0.004	0	0	0	3
PD.10640	PL.70580	A	65T	7.50Y	125.0	0.00	0.04	2.01	0	15	4	97	0.00	0.0	0.836	0.004	0	0	0	3
PL.70581	PD.10640	A	#4 ACSR	7.50Y	125.0	0.00	0.05	2.01	2	15	4	97	0.00	0.0	0.863	0.027	4	1	1	3
PL.70562	PL.70581	A	#4 ACSR	7.50Y	125.0	0.00	0.05	1.39	1	10	2	98	0.00	0.0	0.895	0.033	10	2	2	2
PL.70548	PL.70564	ABC	336 MCM AC	7.50Y	125.0	0.00	0.05	3.66	1	80	20	97	0.00	0.0	0.938	0.107	0	0	0	10
PL.70549	PL.70548	ABC	336 MCM AC	7.50Y	125.0	0.00	0.05	2.88	1	63	15	97	0.00	0.0	1.030	0.092	14	4	1	9
PL.70538	PL.70549	ABC	336 MCM AC	7.50Y	124.9	0.00	0.05	1.95	0	43	10	97	0.00	0.0	1.115	0.085	8	2	1	7
PL.70574	PL.70538	A	#2 ACSR	7.50Y	124.9	0.00	0.05	1.60	1	12	3	97	0.00	0.0	1.119	0.004	0	0	0	2
PD.10637	PL.70574	A	65T	7.50Y	124.9	0.00	0.05	1.60	0	12	3	97	0.00	0.0	1.119	0.004	0	0	0	2
PL.70575	PD.10637	A	#2 ACSR	7.50Y	124.9	0.00	0.06	1.60	1	12	3	97	0.00	0.0	1.220	0.101	0	0	1	2
PL.70539	PL.70575	A	#2 ACSR	7.50Y	124.9	0.00	0.06	1.58	1	11	3	96	0.00	0.0	1.232	0.012	11	3	1	1
PL.70550	PL.70538	ABC	336 MCM AC	7.50Y	124.9	0.00	0.05	1.05	0	23	6	97	0.00	0.0	1.291	0.176	0	0	0	4
PL.70572	PL.70550	C	#4 ACSR	7.50Y	124.9	0.00	0.05	2.15	2	16	4	97	0.00	0.0	1.295	0.004	0	0	0	3
PD.10636	PL.70572	C	65T	7.50Y	124.9	0.00	0.05	2.15	0	16	4	97	0.00	0.0	1.295	0.004	0	0	0	3
PL.70573	PD.10636	C	#4 ACSR	7.50Y	124.9	0.01	0.06	2.15	2	16	4	97	0.00	0.0	1.404	0.109	0	0	0	3
PL.70558	PL.70573	C	#4 ACSR	7.50Y	124.9	0.01	0.07	2.15	2	16	4	97	0.00	0.0	1.494	0.090	0	0	0	3
PL.70551	PL.70558	C	#4 ACSR	7.50Y	124.9	0.00	0.07	0.46	0	3	1	95	0.00	0.0	1.554	0.060	0	0	0	1
PL.70544	PL.70551	C	6 A (CWC)	7.50Y	124.9	0.00	0.07	0.46	0	3	1	95	0.00	0.0	1.620	0.065	0	0	0	1
PL.70552	PL.70544	C	6 A (CWC)	7.50Y	124.9	0.00	0.08	0.46	0	3	1	95	0.00	0.0	1.755	0.135	0	0	0	1
PL.70559	PL.70552	C	6 A (CWC)	7.50Y	124.9	0.00	0.08	0.46	0	3	1	95	0.00	0.0	1.904	0.149	0	0	0	1
PL.70560	PL.70559	C	6 A (CWC)	7.50Y	124.9	0.00	0.08	0.46	0	3	1	95	0.00	0.0	1.980	0.076	0	0	0	1
PL.70561	PL.70560	C	6 A (CWC)	7.50Y	124.9	0.00	0.08	0.46	0	3	1	95	0.00	0.0	2.094	0.114	3	1	1	1
PL.70545	PL.70544	C	#2 ACSR	7.50Y	124.9	0.00	0.07	0.00	0	0	0	100	0.00	0.0	1.676	0.056	0	0	0	0
PL.70543	PL.70558	C	#4 ACSR	7.50Y	124.9	0.00	0.07	0.58	0	4	1	97	0.00	0.0	1.561	0.067	4	1	1	1
PL.70542	PL.70558	C	#4 ACSR	7.50Y	124.9	0.00	0.07	1.11	1	8	2	97	0.00	0.0	1.546	0.052	8	2	1	1
PL.70540	PL.70550	ABC	336 MCM AC	7.50Y	124.9	0.00	0.05	0.00	0	0	0	100	0.00	0.0	1.298	0.007	0	0	0	0
PL.70516	PL.70540	ABC	336 MCM AC	7.50Y	124.9	0.00	0.05	0.00	0	0	0	100	0.00	0.0	1.303	0.005	0	0	0	0
PD.10567-A	PL.70516	ABC	Open	7.50Y	124.9	0.00	0.05	0.00	0	0	0	100	0.00	0.0	1.303	0.005	0	0	0	0

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

Balanced Voltage Drop Report
Source: Annville

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.70586	PL.70550	A	#4 ACSR	7.50Y	124.9	0.00	0.05	1.00	1	7	2	96	0.00	0.0	1.295	0.004	0	0	0	1
PD.10643	PL.70586	A	65T	7.50Y	124.9	0.00	0.05	1.00	0	7	2	96	0.00	0.0	1.295	0.004	0	0	0	1
PL.70587	PD.10643	A	#4 ACSR	7.50Y	124.9	0.00	0.05	1.00	1	7	2	96	0.00	0.0	1.364	0.068	7	2	1	1
PL.70541	PL.70587	A	#4 ACSR	7.50Y	124.9	0.00	0.05	0.00	0	0	0	100	0.00	0.0	1.379	0.016	0	0	0	0
PL.70576	PL.70549	C	#1/0 ACSR	7.50Y	125.0	0.00	0.05	0.80	0	6	1	99	0.00	0.0	1.035	0.005	0	0	0	1
PD.10638	PL.70576	C	65T	7.50Y	125.0	0.00	0.05	0.80	0	6	1	99	0.00	0.0	1.035	0.005	0	0	0	1
PL.70577	PD.10638	C	#1/0 ACSR	7.50Y	125.0	0.00	0.05	0.80	0	6	1	99	0.00	0.0	1.082	0.047	6	1	1	1
PL.70578	PL.70548	A	#1/0 ACSR	7.50Y	125.0	0.00	0.05	2.36	1	17	4	97	0.00	0.0	0.943	0.005	0	0	0	1
PD.10639	PL.70578	A	65T	7.50Y	125.0	0.00	0.05	2.36	0	17	4	97	0.00	0.0	0.943	0.005	0	0	0	1
PL.70579	PD.10639	A	#1/0 ACSR	7.50Y	125.0	0.00	0.05	2.36	1	17	4	97	0.00	0.0	1.000	0.057	17	4	1	1
PL.70584	PL.70525	A	6 A (CWC)	7.50Y	125.0	0.00	0.04	3.26	2	24	6	97	0.00	0.0	0.620	0.005	0	0	0	4
PD.10642	PL.70584	A	65T	7.50Y	125.0	0.00	0.04	3.26	0	24	6	97	0.00	0.0	0.620	0.005	0	0	0	4
PL.70585	PD.10642	A	6 A (CWC)	7.50Y	125.0	0.01	0.05	3.26	2	24	6	97	0.00	0.0	0.712	0.092	13	3	3	4
PL.70570	PL.70585	A	6 A (CWC)	7.50Y	124.9	0.00	0.05	1.44	1	10	3	96	0.00	0.0	0.786	0.074	10	3	1	1
PL.70571	PL.70570	A	6 A (CWC)	7.50Y	124.9	0.00	0.05	0.00	0	0	0	100	0.00	0.0	0.801	0.015	0	0	0	0
PD.10774-A	PL.70571	A	Open	7.50Y	124.9	0.00	0.05	0.00	0	0	0	100	0.00	0.0	0.801	0.015	0	0	0	0
PL.70524	PL.70523	C	#1/0 ACSR	7.50Y	125.0	0.01	0.04	10.34	4	75	18	97	0.01	0.0	0.578	0.045	0	0	0	20
PL.70589	PL.70524	C	#1/0 ACSR	7.50Y	125.0	0.00	0.05	10.34	4	75	18	97	0.00	0.0	0.581	0.003	0	0	0	20
PD.10645	PL.70589	C	35L	7.50Y	125.0	0.00	0.05	10.34	30	75	18	97	0.00	0.0	0.581	0.003	0	0	0	20
PL.70590	PD.10645	C	#1/0 ACSR	7.50Y	124.9	0.01	0.05	10.34	4	75	18	97	0.00	0.0	0.623	0.042	5	1	1	20
PL.70569	PL.70590	C	#1/0 ACSR	7.50Y	124.9	0.02	0.07	9.62	4	70	17	97	0.01	0.0	0.706	0.083	0	0	0	19
PL.70567	PL.70569	C	#1/0 ACSR	7.49Y	124.9	0.01	0.08	8.44	4	61	15	97	0.00	0.0	0.766	0.060	2	0	3	17
PL.70568	PL.70567	C	#1/0 ACSR	7.49Y	124.9	0.01	0.10	8.18	4	60	15	97	0.00	0.0	0.832	0.066	0	0	0	14
PL.70527	PL.70568	C	#1/0 ACSR	7.49Y	124.9	0.00	0.10	0.75	0	5	1	98	0.00	0.0	0.870	0.039	5	1	1	1
PL.70546	PL.70568	C	#1/0 ACSR	7.49Y	124.9	0.02	0.12	7.44	3	54	13	97	0.01	0.0	0.946	0.114	0	0	0	13
PL.70565	PL.70546	C	#1/0 ACSR	7.49Y	124.9	0.01	0.13	6.14	3	45	11	97	0.00	0.0	1.024	0.078	9	2	1	11
PL.70566	PL.70565	C	#1/0 ACSR	7.49Y	124.9	0.02	0.14	4.84	2	35	9	97	0.00	0.0	1.163	0.139	0	0	0	10
PL.70556	PL.70566	C	#1/0 ACSR	7.49Y	124.8	0.01	0.15	4.84	2	35	9	97	0.00	0.0	1.281	0.117	0	0	0	10
PL.70557	PL.70556	C	#1/0 ACSR	7.49Y	124.8	0.01	0.16	4.84	2	35	9	97	0.00	0.0	1.392	0.112	8	2	1	10
PL.70529	PL.70557	C	#1/0 ACSR	7.49Y	124.8	0.01	0.18	3.80	2	28	7	97	0.00	0.0	1.558	0.166	7	2	1	9
PL.70530	PL.70529	C	#1/0 ACSR	7.49Y	124.8	0.00	0.18	2.79	1	20	5	97	0.00	0.0	1.614	0.056	0	0	0	8

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Balanced Voltage Drop Report
Source: Annville

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.70531	PL.70530	C	#1/0 ACSR	7.49Y	124.8	0.01	0.19	2.79	1	20	5	97	0.00	0.0	1.710	0.096	1	0	1	8
PL.70532	PL.70531	C	#1/0 ACSR	7.49Y	124.8	0.00	0.19	2.68	1	20	5	97	0.00	0.0	1.761	0.051	4	1	1	7
PL.70534	PL.70532	C	#4 ACSR	7.49Y	124.8	0.01	0.19	2.11	2	15	4	97	0.00	0.0	1.815	0.055	0	0	0	5
PL.70553	PL.70534	C	#4 ACSR	7.49Y	124.8	0.00	0.20	1.10	1	8	2	97	0.00	0.0	1.859	0.043	8	2	1	1
PL.70535	PL.70534	C	#1/0 ACSR	7.49Y	124.8	0.00	0.20	1.02	0	7	2	96	0.00	0.0	1.859	0.043	0	0	0	4
PL.70547	PL.70535	C	#1/0 ACSR	7.49Y	124.8	0.00	0.20	0.56	0	4	1	97	0.00	0.0	1.878	0.019	4	1	2	2
PL.70536	PL.70535	C	#1/0 ACSR	7.49Y	124.8	0.00	0.20	0.46	0	3	1	95	0.00	0.0	1.886	0.027	3	1	2	2
PL.70533	PL.70532	C	#1/0 ACSR	7.49Y	124.8	0.00	0.19	0.00	0	0	0	100	0.00	0.0	1.861	0.101	0	0	0	1
PL.70582	PL.70533	C	#1/0 ACSR	7.49Y	124.8	0.00	0.19	0.00	0	0	0	100	0.00	0.0	1.865	0.004	0	0	0	1
PD.10641	PL.70582	C	15T	7.49Y	124.8	0.00	0.19	0.00	0	0	0	100	0.00	0.0	1.865	0.004	0	0	0	1
PL.70583	PD.10641	C	#1/0 ACSR	7.49Y	124.8	0.00	0.19	0.00	0	0	0	100	0.00	0.0	2.014	0.148	0	0	0	1
PL.70537	PL.70583	C	#1/0 ACSR	7.49Y	124.8	0.00	0.19	0.00	0	0	0	100	0.00	0.0	2.101	0.087	0	0	1	1
PL.70528	PL.70546	C	#1/0 ACSR	7.49Y	124.9	0.00	0.12	1.29	1	9	2	98	0.00	0.0	0.990	0.045	9	2	2	2
PL.70526	PL.70569	C	#1/0 ACSR	7.50Y	124.9	0.00	0.07	1.18	1	9	2	98	0.00	0.0	0.738	0.032	9	2	2	2
PL.71178	Annville	ABC	397 SPACER	7.50Y	125.0	0.01	0.01	296.74	57	6331	2121	95	0.07	0.0	0.006	0.006	0	0	0	988
PL.72911	PL.71178	ABC	397 SPACER	7.50Y	125.0	0.00	0.01	296.74	57	6331	2120	95	0.05	0.0	0.011	0.005	0	0	0	988
---------- Feeder No. 2 (Bond F2) Beginning with Device PD.11196 ----------																				
PD.11196	PL.72911	ABC	400VWE	7.50Y	125.0	0.00	0.01	296.74	0	6331	2120	95	0.00	0.0	0.011	0.005	0	0	0	988
PL.72912	PD.11196	ABC	397 SPACER	7.50Y	125.0	0.01	0.02	296.74	57	6331	2120	95	0.12	0.0	0.021	0.010	0	0	0	988
PL.70591	PL.72912	ABC	397 SPACER	7.49Y	124.9	0.08	0.11	296.74	57	6331	2118	95	0.95	0.0	0.103	0.082	0	0	0	988
PL.70592	PL.70591	ABC	336 MCM AC	7.48Y	124.6	0.26	0.36	296.74	57	6330	2107	95	8.17	0.1	0.213	0.110	0	0	0	988
PL.71039	PL.70592	ABC	336 MCM AC	7.46Y	124.4	0.28	0.64	296.74	57	6322	2088	95	8.79	0.1	0.331	0.119	0	0	0	988
PL.71040	PL.71039	ABC	336 MCM AC	7.45Y	124.1	0.25	0.89	296.74	57	6313	2067	95	7.98	0.1	0.439	0.108	0	0	0	988
PL.70594	PL.71040	ABC	336 MCM AC	7.44Y	124.0	0.07	0.96	296.74	57	6305	2049	95	2.22	0.0	0.469	0.030	0	0	0	987
PL.70595	PL.70594	ABC	336 MCM AC	7.43Y	123.8	0.28	1.24	296.74	57	6303	2043	95	8.89	0.1	0.589	0.120	0	0	0	987
PL.71042	PL.70595	ABC	336 MCM AC	7.41Y	123.5	0.26	1.50	296.74	57	6294	2023	95	8.39	0.1	0.702	0.113	0	0	0	987
PL.71041	PL.71042	ABC	336 MCM AC	7.39Y	123.2	0.34	1.84	296.74	57	6285	2003	95	11.05	0.2	0.851	0.149	0	0	0	987
PL.70596	PL.71041	ABC	336 MCM AC	7.38Y	123.1	0.08	1.92	296.74	57	6274	1977	95	2.63	0.0	0.886	0.036	0	0	0	987
PL.70597	PL.70596	ABC	336 MCM AC	7.37Y	122.8	0.27	2.19	296.74	57	6272	1971	95	8.66	0.1	1.003	0.117	0	0	0	987

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Balanced Voltage Drop Report
Source: Annville

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.71583	PL.70597	A	#4 ACSR	7.37Y	122.8	0.00	2.19	1.60	1	11	3	96	0.00	0.0	1.007	0.004	0	0	0	2
PD.10717	PL.71583	A	65T	7.37Y	122.8	0.00	2.19	1.60	0	11	3	96	0.00	0.0	1.007	0.004	0	0	0	2
PL.71584	PD.10717	A	#4 ACSR	7.37Y	122.8	0.01	2.20	1.60	1	11	3	96	0.00	0.0	1.136	0.129	3	1	1	2
PL.70598	PL.71584	A	#4 ACSR	7.37Y	122.8	0.01	2.20	1.24	1	9	2	98	0.00	0.0	1.319	0.183	9	2	1	1
PL.71396	PL.70597	ABC	336 MCM AC	7.36Y	122.7	0.10	2.29	296.21	57	6251	1948	95	3.30	0.1	1.048	0.045	1	0	1	985
PL.71397	PL.71396	ABC	336 MCM AC	7.36Y	122.6	0.09	2.38	296.16	57	6247	1940	96	2.90	0.0	1.087	0.039	0	0	3	984
PL.71585	PL.71397	C	#4 ACSR	7.36Y	122.6	0.00	2.38	0.66	1	5	1	98	0.00	0.0	1.091	0.004	0	0	0	1
PD.10718	PL.71585	C	65T	7.36Y	122.6	0.00	2.38	0.66	0	5	1	98	0.00	0.0	1.091	0.004	0	0	0	1
PL.71586	PD.10718	C	#4 ACSR	7.36Y	122.6	0.00	2.38	0.66	1	5	1	98	0.00	0.0	1.237	0.146	5	1	1	1
PL.70961	PL.71397	ABC	336 MCM AC	7.35Y	122.5	0.08	2.46	295.92	57	6239	1932	96	2.58	0.0	1.122	0.035	0	0	0	980
PL.70599	PL.70961	C	#1/0 ACSR	7.35Y	122.5	0.00	2.46	1.10	0	8	2	97	0.00	0.0	1.153	0.032	8	2	1	1
PL.70962	PL.70961	ABC	336 MCM AC	7.34Y	122.4	0.17	2.63	295.55	57	6229	1924	96	5.53	0.1	1.197	0.075	0	0	0	979
PL.71587	PL.70962	C	#1/0 ACSR	7.34Y	122.4	0.00	2.63	6.08	3	43	11	97	0.00	0.0	1.201	0.004	0	0	0	2
PD.10719	PL.71587	C	65T	7.34Y	122.4	0.00	2.63	6.08	0	43	11	97	0.00	0.0	1.201	0.004	0	0	0	2
PL.71588	PD.10719	C	#1/0 ACSR	7.34Y	122.4	0.00	2.63	6.08	3	43	11	97	0.00	0.0	1.212	0.011	0	0	0	2
PL.70600	PL.71588	C	#4 ACSR	7.34Y	122.4	0.01	2.65	6.08	5	43	11	97	0.00	0.0	1.253	0.041	0	0	0	2
PL.71398	PL.70600	C	#1/0 ACSR	7.34Y	122.4	0.00	2.65	4.68	2	33	8	97	0.00	0.0	1.268	0.015	33	8	1	1
PL.71399	PL.71398	C	#1/0 ACSR	7.34Y	122.4	0.00	2.65	0.00	0	0	0	100	0.00	0.0	1.301	0.034	0	0	0	0
PL.70601	PL.70600	C	#1/0 ACSR	7.34Y	122.4	0.00	2.65	1.40	1	10	2	98	0.00	0.0	1.283	0.031	10	2	1	1
PL.70963	PL.70962	ABC	336 MCM AC	7.33Y	122.1	0.23	2.86	293.53	57	6180	1901	96	7.41	0.1	1.299	0.102	14	3	3	977
PL.70964	PL.70963	ABC	336 MCM AC	7.32Y	122.0	0.18	3.04	292.88	56	6158	1880	96	5.83	0.1	1.380	0.081	12	3	2	974
PL.71073	PL.70964	ABC	336 MCM AC	7.31Y	121.9	0.08	3.12	292.33	56	6141	1864	96	2.56	0.0	1.416	0.036	17	4	2	972
PL.70965	PL.71073	ABC	336 MCM AC	7.31Y	121.8	0.10	3.23	291.19	56	6114	1852	96	3.33	0.1	1.462	0.047	5	1	1	969
PL.70602	PL.70965	ABC	336 MCM AC	7.30Y	121.7	0.12	3.35	290.05	56	6086	1838	96	3.92	0.1	1.518	0.055	0	0	0	965
PL.71400	PL.70602	ABC	#4 ACSR	7.30Y	121.6	0.00	3.35	19.84	15	414	132	95	0.01	0.0	1.520	0.002	10	2	3	41
PL.71401	PL.71400	ABC	#4 ACSR	7.30Y	121.6	0.02	3.38	19.38	15	404	130	95	0.08	0.0	1.553	0.033	11	3	1	38
PL.71402	PL.71401	ABC	#4 ACSR	7.30Y	121.6	0.03	3.40	18.85	15	393	127	95	0.08	0.0	1.590	0.037	0	0	0	37
PL.70603	PL.71402	ABC	#4 ACSR	7.29Y	121.6	0.04	3.44	12.04	9	247	92	94	0.08	0.0	1.675	0.085	0	0	0	16
PL.71168	PL.70603	ABC	#4 ACSR	7.29Y	121.6	0.00	3.44	7.01	5	139	65	91	0.00	0.0	1.680	0.005	0	0	0	3
PL.71169	PL.71168	ABC	#4 ACSR	7.29Y	121.5	0.01	3.45	7.01	5	139	65	91	0.02	0.0	1.729	0.049	0	0	0	3
PL.70612	PL.71169	ABC	#4 ACSR	7.29Y	121.5	0.01	3.47	6.64	5	131	63	90	0.01	0.0	1.774	0.045	0	0	0	1

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Balanced Voltage Drop Report
Source: Annville

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.70826	PL.70612	ABC	1/0 AL URD	7.29Y	121.5	0.00	3.47	6.64	4	131	63	90	0.00	0.0	1.778	0.005	0	0	0	1
PD.10588	PL.70826	ABC	65T	7.29Y	121.5	0.00	3.47	6.64	0	131	63	90	0.00	0.0	1.778	0.005	0	0	0	1
PL.70827	PD.10588	ABC	1/0 AL URD	7.29Y	121.5	0.00	3.47	6.64	4	131	63	90	0.00	0.0	1.785	0.007	131	63	1	1
PL.70613	PL.71169	C	#1/0 ACSR	7.29Y	121.5	0.00	3.45	1.14	0	8	2	97	0.00	0.0	1.733	0.004	0	0	0	2
PD.10723	PL.70613	C	65T	7.29Y	121.5	0.00	3.45	1.14	0	8	2	97	0.00	0.0	1.733	0.004	0	0	0	2
PL.71037	PD.10723	C	#1/0 ACSR	7.29Y	121.5	0.00	3.46	1.14	0	8	2	97	0.00	0.0	1.766	0.033	8	2	2	2
PL.70610	PL.70603	A	#4 ACSR	7.29Y	121.6	0.00	3.44	15.28	12	108	26	97	0.00	0.0	1.680	0.005	0	0	0	13
PD.10732	PL.70610	A	65T	7.29Y	121.6	0.00	3.44	15.28	0	108	26	97	0.00	0.0	1.680	0.005	0	0	0	13
PL.70609	PD.10732	A	#4 ACSR	7.29Y	121.5	0.02	3.46	5.25	4	37	9	97	0.00	0.0	1.763	0.084	6	2	1	7
PL.70614	PL.70609	A	#1/0 ACSR	7.29Y	121.5	0.02	3.48	4.38	2	31	8	97	0.00	0.0	1.947	0.183	4	1	2	6
PL.70969	PL.70614	A	#1/0 ACSR	7.29Y	121.5	0.01	3.49	2.52	1	18	4	98	0.00	0.0	2.093	0.147	0	0	0	3
PL.70760	PL.70969	A	#1/0 ACSR	7.29Y	121.5	0.00	3.49	1.17	1	8	2	97	0.00	0.0	2.116	0.023	8	2	1	1
PL.70970	PL.70969	A	#1/0 ACSR	7.29Y	121.5	0.00	3.49	1.35	1	10	2	98	0.00	0.0	2.167	0.074	0	0	0	2
PL.71406	PL.70970	A	6 A (CWC)	7.29Y	121.5	0.00	3.49	1.35	1	10	2	98	0.00	0.0	2.215	0.048	8	2	1	2
PL.71407	PL.71406	A	6 A (CWC)	7.29Y	121.5	0.00	3.49	0.26	0	2	0	100	0.00	0.0	2.261	0.046	0	0	0	1
PL.71595	PL.71407	A	#1/0 ACSR	7.29Y	121.5	0.00	3.49	0.26	0	2	0	100	0.00	0.0	2.266	0.005	0	0	0	1
PD.10724	PL.71595	A	65T	7.29Y	121.5	0.00	3.49	0.26	0	2	0	100	0.00	0.0	2.266	0.005	0	0	0	1
PL.71596	PD.10724	A	#1/0 ACSR	7.29Y	121.5	0.00	3.49	0.26	0	2	0	100	0.00	0.0	2.379	0.113	0	0	0	1
PL.71043	PL.71596	A	#1/0 ACSR	7.29Y	121.5	0.00	3.49	0.26	0	2	0	100	0.00	0.0	2.496	0.118	0	0	0	1
PL.71044	PL.71043	A	#1/0 ACSR	7.29Y	121.5	0.00	3.49	0.26	0	2	0	100	0.00	0.0	2.616	0.120	0	0	0	1
PL.70812	PL.71044	A	1/0 AL URD	7.29Y	121.5	0.00	3.49	0.26	0	2	0	100	0.00	0.0	2.621	0.005	0	0	0	1
PD.10579	PL.70812	A	65T	7.29Y	121.5	0.00	3.49	0.26	0	2	0	100	0.00	0.0	2.621	0.005	0	0	0	1
PL.70813	PD.10579	A	1/0 AL URD	7.29Y	121.5	0.00	3.49	0.26	0	2	0	100	0.00	0.0	2.677	0.056	2	0	1	1
PL.70971	PL.71407	A	6 A (CWC)	7.29Y	121.5	0.00	3.49	0.00	0	0	0	100	0.00	0.0	2.422	0.161	0	0	0	0
PL.70615	PL.70614	A	#4 ACSR	7.29Y	121.5	0.00	3.48	1.25	1	9	2	98	0.00	0.0	2.048	0.101	9	2	1	1
PL.71165	PD.10732	A	#4 ACSR	7.29Y	121.5	0.04	3.48	10.02	8	71	17	97	0.02	0.0	1.769	0.090	1	0	1	6
PL.70611	PL.71165	A	#4 ACSR	7.29Y	121.5	0.00	3.49	2.60	2	18	4	98	0.00	0.0	1.839	0.070	18	4	2	2
PL.71166	PL.71165	A	#4 ACSR	7.29Y	121.5	0.01	3.49	7.31	6	52	13	97	0.00	0.0	1.805	0.035	23	6	2	3
PL.71607	PL.71166	A	1/0 AL URD	7.29Y	121.5	0.00	3.49	4.07	2	29	7	97	0.00	0.0	1.810	0.005	0	0	0	1
PD.10733	PL.71607	A	65T	7.29Y	121.5	0.00	3.49	4.07	0	29	7	97	0.00	0.0	1.810	0.005	0	0	0	1
PL.71608	PD.10733	A	1/0 AL URD	7.29Y	121.5	0.00	3.50	4.07	2	29	7	97	0.00	0.0	1.864	0.055	29	7	1	1

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Balanced Voltage Drop Report
Source: Annville

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.71593	PL.71402	B	#4 ACSR	7.30Y	121.6	0.00	3.41	20.52	16	145	35	97	0.00	0.0	1.595	0.005	0	0	0	21
PD.10722	PL.71593	B	65T	7.30Y	121.6	0.00	3.41	20.52	0	145	35	97	0.00	0.0	1.595	0.005	0	0	0	21
PL.71594	PD.10722	B	#4 ACSR	7.29Y	121.5	0.05	3.46	20.52	16	145	35	97	0.06	0.0	1.654	0.060	11	3	1	21
PL.71403	PL.71594	B	#4 ACSR	7.29Y	121.5	0.02	3.48	19.02	15	135	33	97	0.02	0.0	1.688	0.034	39	9	3	20
PL.70604	PL.71403	B	#2 ACSR	7.29Y	121.5	0.00	3.48	0.04	0	0	0	100	0.00	0.0	1.705	0.017	0	0	1	1
PL.71167	PL.71403	B	#4 ACSR	7.29Y	121.5	0.04	3.52	13.53	10	96	23	97	0.03	0.0	1.750	0.062	6	2	1	16
PL.70605	PL.71167	B	#4 ACSR	7.29Y	121.5	0.00	3.52	1.79	1	13	3	97	0.00	0.0	1.790	0.039	13	3	3	3
PL.70967	PL.71167	B	#4 ACSR	7.29Y	121.5	0.03	3.55	10.83	8	77	19	97	0.02	0.0	1.813	0.063	7	2	1	12
PL.71404	PL.70967	B	#4 ACSR	7.29Y	121.4	0.01	3.56	9.88	8	70	17	97	0.01	0.0	1.844	0.031	27	7	5	11
PL.71405	PL.71404	B	#4 ACSR	7.29Y	121.4	0.01	3.57	6.10	5	43	11	97	0.00	0.0	1.894	0.050	7	2	2	6
PL.70607	PL.71405	B	#4 ACSR	7.29Y	121.4	0.01	3.58	5.13	4	36	9	97	0.00	0.0	1.929	0.035	0	0	0	4
PL.70968	PL.70607	B	#4 ACSR	7.29Y	121.4	0.00	3.58	1.19	1	8	2	97	0.00	0.0	2.024	0.095	7	2	1	2
PL.70608	PL.70968	B	#4 ACSR	7.29Y	121.4	0.00	3.58	0.14	0	1	0	100	0.00	0.0	2.091	0.067	1	0	1	1
PL.70606	PL.70607	B	#4 ACSR	7.29Y	121.4	0.00	3.58	3.94	3	28	7	97	0.00	0.0	1.969	0.040	28	7	2	2
PL.70966	PL.70602	ABC	336 MCM AC	7.29Y	121.6	0.09	3.44	270.22	52	5669	1697	96	2.80	0.0	1.563	0.045	0	0	0	924
PL.70616	PL.70966	ABC	336 MCM AC	7.29Y	121.4	0.13	3.58	270.22	52	5666	1690	96	4.00	0.1	1.628	0.065	29	7	5	924
PL.71493	PL.70616	A	#4 ACSR	7.29Y	121.4	0.00	3.58	4.33	3	31	7	98	0.00	0.0	1.632	0.004	0	0	0	6
PD.10669	PL.71493	A	65T	7.29Y	121.4	0.00	3.58	4.33	0	31	7	98	0.00	0.0	1.632	0.004	0	0	0	6
PL.71494	PD.10669	A	#4 ACSR	7.28Y	121.4	0.01	3.59	4.33	3	31	7	98	0.00	0.0	1.684	0.052	13	3	3	6
PL.71029	PL.71494	A	#4 ACSR	7.28Y	121.4	0.00	3.59	0.87	1	6	2	95	0.00	0.0	1.744	0.060	6	2	2	2
PL.70621	PL.71494	A	#4 ACSR	7.28Y	121.4	0.00	3.59	1.57	1	11	3	96	0.00	0.0	1.730	0.046	11	3	1	1
PL.70972	PL.70616	ABC	336 MCM AC	7.28Y	121.4	0.06	3.64	267.41	52	5602	1666	96	1.91	0.0	1.660	0.032	19	5	2	913
PL.71249	PL.70972	ABC	336 MCM AC	7.28Y	121.3	0.04	3.68	259.39	50	5430	1620	96	1.19	0.0	1.681	0.021	0	0	1	885
PL.71250	PL.71249	ABC	336 MCM AC	7.28Y	121.3	0.06	3.74	259.39	50	5429	1617	96	1.67	0.0	1.711	0.029	0	0	0	884
PL.70974	PL.71250	ABC	336 MCM AC	7.27Y	121.2	0.05	3.79	256.96	50	5375	1601	96	1.30	0.0	1.734	0.023	7	2	2	871
PL.71251	PL.70974	ABC	336 MCM AC	7.27Y	121.1	0.08	3.86	254.50	49	5322	1585	96	2.18	0.0	1.774	0.040	16	4	5	859
PL.71252	PL.71251	ABC	336 MCM AC	7.27Y	121.1	0.01	3.87	253.76	49	5304	1576	96	0.27	0.0	1.779	0.005	0	0	0	854
PL.71707	PL.71252	ABC	336 MCM AC	7.27Y	121.1	0.01	3.88	253.76	49	5303	1576	96	0.23	0.0	1.783	0.004	0	0	0	854
PL.71708	PL.71707	ABC	336 MCM AC	7.26Y	121.0	0.12	4.00	253.76	49	5303	1575	96	3.44	0.1	1.847	0.064	10	2	1	854
PL.71499	PL.71708	A	#1/0 ACSR	7.26Y	121.0	0.00	4.00	2.90	1	20	5	97	0.00	0.0	1.851	0.004	0	0	0	3
PD.10672	PL.71499	A	65T	7.26Y	121.0	0.00	4.00	2.90	0	20	5	97	0.00	0.0	1.851	0.004	0	0	0	3

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Balanced Voltage Drop Report
Source: Annville

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.71500	PD.10672	A	#1/0 ACSR	7.26Y	121.0	0.00	4.01	2.90	1	20	5	97	0.00	0.0	1.886	0.035	6	2	1	3
PL.71262	PL.71500	A	#1/0 ACSR	7.26Y	121.0	0.00	4.01	2.01	1	14	3	98	0.00	0.0	1.924	0.039	14	3	2	2
PL.70975	PL.71708	ABC	336 MCM AC	7.25Y	120.9	0.11	4.12	244.54	47	5105	1519	96	3.06	0.1	1.908	0.061	6	2	2	820
PL.71615	PL.70975	A	#4 ACSR	7.25Y	120.9	0.00	4.12	3.55	3	25	6	97	0.00	0.0	1.912	0.004	0	0	0	5
PD.10737	PL.71615	A	65T	7.25Y	120.9	0.00	4.12	3.55	0	25	6	97	0.00	0.0	1.912	0.004	0	0	0	5
PL.71616	PD.10737	A	#4 ACSR	7.25Y	120.9	0.00	4.12	3.55	3	25	6	97	0.00	0.0	1.956	0.045	25	6	5	5
PL.71501	PL.70975	C	#4 ACSR	7.25Y	120.9	0.00	4.12	6.69	5	47	11	97	0.00	0.0	1.912	0.004	0	0	0	7
PD.10673	PL.71501	C	65T	7.25Y	120.9	0.00	4.12	6.69	0	47	11	97	0.00	0.0	1.912	0.004	0	0	0	7
PL.71502	PD.10673	C	#4 ACSR	7.25Y	120.9	0.02	4.13	6.69	5	47	11	97	0.01	0.0	1.976	0.065	10	2	2	7
PL.71267	PL.71502	C	#4 ACSR	7.25Y	120.9	0.00	4.14	1.25	1	9	2	98	0.00	0.0	2.014	0.038	3	1	1	2
PL.71268	PL.71267	C	#4 ACSR	7.25Y	120.9	0.00	4.14	0.78	1	5	1	98	0.00	0.0	2.033	0.019	5	1	1	1
PL.71263	PL.71502	C	#4 ACSR	7.25Y	120.9	0.00	4.14	4.05	3	29	7	97	0.00	0.0	1.999	0.023	12	3	1	3
PL.71264	PL.71263	C	#4 ACSR	7.25Y	120.9	0.00	4.14	2.40	2	17	4	97	0.00	0.0	2.019	0.019	17	4	2	2
PL.71265	PL.70975	ABC	336 MCM AC	7.24Y	120.7	0.14	4.26	240.83	46	5023	1493	96	3.78	0.1	1.985	0.077	11	3	2	806
PL.71266	PL.71265	ABC	336 MCM AC	7.24Y	120.7	0.02	4.28	240.31	46	5008	1482	96	0.64	0.0	1.998	0.013	0	0	0	804
PL.71503	PL.71266	C	#4 ACSR	7.24Y	120.7	0.00	4.28	5.94	5	42	10	97	0.00	0.0	2.002	0.004	0	0	0	10
PD.10674	PL.71503	C	65T	7.24Y	120.7	0.00	4.28	5.94	0	42	10	97	0.00	0.0	2.002	0.004	0	0	0	10
PL.71504	PD.10674	C	#4 ACSR	7.24Y	120.7	0.01	4.29	5.94	5	42	10	97	0.00	0.0	2.045	0.043	28	7	6	10
PL.71269	PL.71504	C	#4 ACSR	7.24Y	120.7	0.00	4.29	1.91	1	13	3	97	0.00	0.0	2.075	0.030	7	2	2	4
PL.70976	PL.71269	C	#4 ACSR	7.24Y	120.7	0.00	4.29	0.87	1	6	1	99	0.00	0.0	2.088	0.013	6	1	2	2
PL.70629	PL.71266	ABC	336 MCM AC	7.24Y	120.6	0.08	4.36	238.34	46	4966	1470	96	2.20	0.0	2.044	0.046	0	0	0	794
PL.70977	PL.70629	ABC	336 MCM AC	7.23Y	120.5	0.11	4.47	238.08	46	4958	1464	96	2.79	0.1	2.103	0.059	18	4	9	793
PL.71505	PL.70977	C	#2 ACSR	7.23Y	120.5	0.00	4.47	3.43	2	24	6	97	0.00	0.0	2.107	0.004	0	0	0	2
PD.10675	PL.71505	C	65T	7.23Y	120.5	0.00	4.47	3.43	0	24	6	97	0.00	0.0	2.107	0.004	0	0	0	2
PL.71506	PD.10675	C	#2 ACSR	7.23Y	120.5	0.00	4.47	3.43	2	24	6	97	0.00	0.0	2.113	0.006	24	6	2	2
PL.70978	PL.70977	ABC	336 MCM AC	7.22Y	120.4	0.14	4.61	236.07	45	4913	1447	96	3.76	0.1	2.183	0.080	0	0	0	782
PL.71618	PL.70978	A	#4 ACSR	7.22Y	120.4	0.00	4.61	0.99	1	7	2	96	0.00	0.0	2.187	0.005	0	0	0	2
PD.10568	PL.71618	A	65T	7.22Y	120.4	0.00	4.61	0.99	0	7	2	96	0.00	0.0	2.187	0.005	0	0	0	2
PL.71617	PD.10568	A	#4 ACSR	7.22Y	120.4	0.00	4.62	0.99	1	7	2	96	0.00	0.0	2.245	0.057	0	0	1	2
PL.70632	PL.71617	A	#1/0 ACSR	7.22Y	120.4	0.00	4.62	0.99	0	7	2	96	0.00	0.0	2.266	0.021	7	2	1	1
PL.70979	PL.70978	ABC	336 MCM AC	7.22Y	120.4	0.03	4.65	228.68	44	4754	1400	96	0.80	0.0	2.201	0.018	0	0	1	771

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Balanced Voltage Drop Report
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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.71271	PL.70979	ABC	336 MCM AC	7.22Y	120.3	0.04	4.68	228.68	44	4753	1398	96	0.93	0.0	2.222	0.021	25	6	3	770
PL.71270	PL.71271	ABC	336 MCM AC	7.21Y	120.2	0.09	4.77	227.50	44	4727	1390	96	2.29	0.0	2.275	0.053	5	1	3	767
PL.71543	PL.71270	C	#1/0 ACSR	7.21Y	120.2	0.00	4.77	0.00	0	0	0	100	0.00	0.0	2.279	0.005	0	0	0	0
PD.10696	PL.71543	C	65T	7.21Y	120.2	0.00	4.77	0.00	0	0	0	100	0.00	0.0	2.279	0.005	0	0	0	0
PL.71544	PD.10696	C	#1/0 ACSR	7.21Y	120.2	0.00	4.77	0.00	0	0	0	100	0.00	0.0	2.326	0.046	0	0	0	0
PL.71317	PL.71270	ABC	336 MCM AC	7.21Y	120.1	0.08	4.85	227.26	44	4720	1383	96	1.97	0.0	2.320	0.045	5	1	3	764
PL.71318	PL.71317	ABC	336 MCM AC	7.21Y	120.1	0.02	4.87	227.01	44	4712	1377	96	0.43	0.0	2.330	0.010	0	0	0	761
PL.70828	PL.71318	ABC	#4 ACSR	7.21Y	120.1	0.00	4.87	1.12	1	23	7	96	0.00	0.0	2.335	0.005	0	0	0	4
PD.10589	PL.70828	ABC	65T	7.21Y	120.1	0.00	4.87	1.12	0	23	7	96	0.00	0.0	2.335	0.005	0	0	0	4
PL.70829	PD.10589	ABC	#4 ACSR	7.21Y	120.1	0.00	4.87	1.12	1	23	7	96	0.00	0.0	2.405	0.070	0	0	0	4
PL.71315	PL.70829	ABC	#4 ACSR	7.21Y	120.1	0.00	4.87	0.21	0	4	2	89	0.00	0.0	2.426	0.022	0	0	1	2
PL.71316	PL.71315	ABC	#4 ACSR	7.21Y	120.1	0.00	4.87	0.21	0	4	2	89	0.00	0.0	2.459	0.033	4	2	1	1
PL.71619	PL.70829	A	#4 ACSR	7.21Y	120.1	0.00	4.87	2.74	2	19	5	97	0.00	0.0	2.409	0.005	0	0	0	2
PD.10569	PL.71619	A	65T	7.21Y	120.1	0.00	4.87	2.74	0	19	5	97	0.00	0.0	2.409	0.005	0	0	0	2
PL.71620	PD.10569	A	#4 ACSR	7.21Y	120.1	0.00	4.87	2.74	2	19	5	97	0.00	0.0	2.445	0.036	19	5	2	2
PL.71313	PL.71318	ABC	336 MCM AC	7.21Y	120.1	0.02	4.88	225.89	44	4689	1370	96	0.43	0.0	2.340	0.010	15	4	1	757
PL.71314	PL.71313	ABC	336 MCM AC	7.21Y	120.1	0.01	4.89	225.16	43	4673	1365	96	0.26	0.0	2.346	0.006	0	0	0	756
PL.71686	PL.71314	ABC	336 MCM AC	7.21Y	120.1	0.01	4.90	225.16	43	4673	1364	96	0.20	0.0	2.351	0.005	0	0	0	756
PD.10595-A	PL.71686	ABC	Closed	7.21Y	120.1	0.00	4.90	225.16	0	4672	1364	96	0.00	0.0	2.351	0.005	0	0	0	756
PD.10595-B	PD.10595-A	ABC	Closed	7.21Y	120.1	0.00	4.90	225.16	0	4672	1364	96	0.00	0.0	2.351	0.005	0	0	0	756
PL.71687	PD.10595-B	ABC	336 MCM AC	7.20Y	120.1	0.04	4.94	225.16	43	4672	1364	96	0.88	0.0	2.371	0.021	0	0	0	756
PL.70980	PL.71687	ABC	336 MCM AC	7.19Y	119.9	0.16	5.10	210.51	41	4367	1274	96	3.86	0.1	2.475	0.103	0	0	0	733
PL.70761	PL.70980	ABC	336 MCM AC	7.19Y	119.8	0.05	5.15	64.21	12	1343	343	97	0.36	0.0	2.580	0.105	0	0	0	256
PL.70648	PL.70761	ABC	336 MCM AC	7.19Y	119.8	0.03	5.18	64.21	12	1342	342	97	0.20	0.0	2.638	0.058	0	0	0	256
PL.70762	PL.70648	ABC	#3/0 ACSR	7.19Y	119.8	0.05	5.22	64.21	21	1342	342	97	0.40	0.0	2.695	0.058	4	1	1	256
PL.71551	PL.70762	A	#4 ACSR	7.19Y	119.8	0.00	5.22	0.00	0	0	0	100	0.00	0.0	2.700	0.005	0	0	0	0
PD.10700	PL.71551	A	65T	7.19Y	119.8	0.00	5.22	0.00	0	0	0	100	0.00	0.0	2.700	0.005	0	0	0	0
PL.71552	PD.10700	A	#4 ACSR	7.19Y	119.8	0.00	5.22	0.00	0	0	0	100	0.00	0.0	2.769	0.069	0	0	0	0
PL.71621	PL.70762	C	#1/0 ACSR	7.19Y	119.8	0.00	5.22	10.25	4	72	17	97	0.00	0.0	2.700	0.005	0	0	0	14
PD.10571	PL.71621	C	65T	7.19Y	119.8	0.00	5.22	10.25	0	72	17	97	0.00	0.0	2.700	0.005	0	0	0	14
PL.71622	PD.10571	C	#1/0 ACSR	7.19Y	119.8	0.01	5.24	10.25	4	72	17	97	0.01	0.0	2.762	0.062	0	0	0	14

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Balanced Voltage Drop Report
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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.70953	PL.71622	C	#1/0 ACSR	7.18Y	119.7	0.01	5.25	10.25	4	72	17	97	0.01	0.0	2.816	0.054	14	3	2	14
PL.70649	PL.70953	C	#4 ACSR	7.18Y	119.7	0.00	5.26	3.39	3	24	6	97	0.00	0.0	2.858	0.043	15	4	4	7
PL.70650	PL.70649	C	#4 ACSR	7.18Y	119.7	0.00	5.26	1.28	1	9	2	98	0.00	0.0	2.903	0.045	0	0	1	3
PL.71038	PL.70650	C	#4/0 ACSR	7.18Y	119.7	0.00	5.26	1.28	0	9	2	98	0.00	0.0	2.933	0.030	2	0	1	2
PL.70651	PL.71038	C	#1/0 ACSR	7.18Y	119.7	0.00	5.26	1.04	0	7	2	96	0.00	0.0	2.974	0.041	7	2	1	1
PL.71170	PL.70953	C	#1/0 ACSR	7.18Y	119.7	0.00	5.25	2.59	1	18	4	98	0.00	0.0	2.892	0.077	12	3	2	4
PL.70652	PL.71170	C	#1/0 ACSR	7.18Y	119.7	0.00	5.25	0.90	0	6	2	95	0.00	0.0	2.927	0.034	6	2	1	2
PL.70653	PL.70652	C	#1/0 ACSR	7.18Y	119.7	0.00	5.25	0.00	0	0	0	100	0.00	0.0	2.959	0.032	0	0	1	1
PL.71171	PL.70953	C	#4 ACSR	7.18Y	119.7	0.00	5.25	2.31	2	16	4	97	0.00	0.0	2.850	0.035	16	4	1	1
PL.71013	PL.70762	ABC	#3/0 ACSR	7.18Y	119.7	0.11	5.33	60.61	20	1266	323	97	0.89	0.1	2.840	0.145	8	2	1	241
PL.71555	PL.71013	C	#4 ACSR	7.18Y	119.7	0.00	5.33	0.00	0	0	0	100	0.00	0.0	2.845	0.005	0	0	0	1
PD.10703	PL.71555	C	65T	7.18Y	119.7	0.00	5.33	0.00	0	0	0	100	0.00	0.0	2.845	0.005	0	0	0	1
PL.71556	PD.10703	C	#4 ACSR	7.18Y	119.7	0.00	5.33	0.00	0	0	0	100	0.00	0.0	2.899	0.054	0	0	1	1
PL.71352	PL.71013	ABC	#3/0 ACSR	7.18Y	119.6	0.07	5.40	60.23	20	1257	320	97	0.55	0.0	2.931	0.092	12	3	1	239
PL.71353	PL.71352	ABC	#3/0 ACSR	7.17Y	119.5	0.08	5.48	59.64	20	1244	316	97	0.61	0.0	3.034	0.103	0	0	0	238
PL.71364	PL.71353	ABC	#3/0 ACSR	7.17Y	119.5	0.04	5.51	43.26	14	901	231	97	0.21	0.0	3.102	0.068	13	3	3	163
PL.71365	PL.71364	ABC	#3/0 ACSR	7.17Y	119.5	0.01	5.52	42.63	14	888	228	97	0.05	0.0	3.118	0.016	13	3	3	160
PL.71366	PL.71365	ABC	#3/0 ACSR	7.17Y	119.5	0.02	5.54	28.37	9	590	155	97	0.09	0.0	3.184	0.066	30	7	3	106
PL.71367	PL.71366	ABC	#3/0 ACSR	7.17Y	119.4	0.02	5.57	26.93	9	560	147	97	0.08	0.0	3.251	0.066	0	0	0	103
PL.71024	PL.71367	ABC	#3/0 ACSR	7.17Y	119.4	0.01	5.58	26.15	9	544	143	97	0.04	0.0	3.284	0.034	0	0	0	98
PL.70881	PL.71024	ABC	#3/0 ACSR	7.16Y	119.4	0.02	5.59	26.15	9	544	143	97	0.06	0.0	3.333	0.049	0	0	0	98
PL.71561	PL.70881	C	#4 ACSR	7.16Y	119.4	0.00	5.59	4.46	3	31	8	97	0.00	0.0	3.338	0.005	0	0	0	5
PD.10706	PL.71561	C	65T	7.16Y	119.4	0.00	5.59	4.46	0	31	8	97	0.00	0.0	3.338	0.005	0	0	0	5
PL.71562	PD.10706	C	#4 ACSR	7.16Y	119.4	0.01	5.60	4.46	3	31	8	97	0.00	0.0	3.373	0.035	12	3	1	5
PL.71368	PL.71562	C	#4 ACSR	7.16Y	119.4	0.00	5.60	2.80	2	20	5	97	0.00	0.0	3.402	0.029	8	2	1	4
PL.71369	PL.71368	C	#4 ACSR	7.16Y	119.4	0.01	5.61	1.64	1	11	3	96	0.00	0.0	3.516	0.115	0	0	0	3
PL.70884	PL.71369	C	6 A (CWC)	7.16Y	119.4	0.00	5.61	0.00	0	0	0	100	0.00	0.0	3.594	0.078	0	0	0	0
PL.71347	PL.71369	C	6 A (CWC)	7.16Y	119.4	0.00	5.61	1.64	1	11	3	96	0.00	0.0	3.541	0.024	0	0	1	3
PL.71348	PL.71347	C	6 A (CWC)	7.16Y	119.4	0.00	5.62	1.58	1	11	3	96	0.00	0.0	3.626	0.085	8	2	1	2
PL.70886	PL.71348	C	#1/0 ACSR	7.16Y	119.4	0.00	5.62	0.39	0	3	1	95	0.00	0.0	3.688	0.062	3	1	1	1
PL.70883	PL.70881	ABC	#3/0 ACSR	7.16Y	119.4	0.04	5.63	24.66	8	513	136	97	0.12	0.0	3.458	0.125	36	9	2	93

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: Annville

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.71182	PL.70883	ABC	#3/0 ACSR	7.16Y	119.4	0.01	5.64	22.93	8	476	127	97	0.04	0.0	3.508	0.049	3	1	2	91
PL.71183	PL.71182	ABC	#3/0 ACSR	7.16Y	119.3	0.02	5.66	22.63	8	470	125	97	0.05	0.0	3.573	0.066	15	4	4	87
PL.71565	PL.71183	A	#1/0 ACSR	7.16Y	119.3	0.00	5.66	2.26	1	16	4	97	0.00	0.0	3.578	0.005	0	0	0	3
PD.10708	PL.71565	A	65T	7.16Y	119.3	0.00	5.66	2.26	0	16	4	97	0.00	0.0	3.578	0.005	0	0	0	3
PL.71566	PD.10708	A	#1/0 ACSR	7.16Y	119.3	0.00	5.67	2.26	1	16	4	97	0.00	0.0	3.702	0.125	9	2	2	3
PL.71371	PL.71566	A	#1/0 ACSR	7.16Y	119.3	0.00	5.67	0.93	0	7	2	96	0.00	0.0	3.744	0.042	7	2	1	1
PL.71176	PL.71183	B	#4 ACSR	7.16Y	119.3	0.00	5.66	2.09	2	15	4	97	0.00	0.0	3.578	0.005	0	0	0	3
PD.10584	PL.71176	B	65T	7.16Y	119.3	0.00	5.66	2.09	0	15	4	97	0.00	0.0	3.578	0.005	0	0	0	3
PL.70890	PD.10584	B	#4 ACSR	7.16Y	119.3	0.00	5.66	1.16	1	8	2	97	0.00	0.0	3.593	0.016	8	2	2	2
PL.71177	PD.10584	B	#4 ACSR	7.16Y	119.3	0.00	5.66	0.93	1	6	2	95	0.00	0.0	3.615	0.037	6	2	1	1
PL.71370	PL.71183	ABC	#3/0 ACSR	7.16Y	119.3	0.01	5.67	20.46	7	425	114	97	0.04	0.0	3.625	0.052	9	2	1	77
PL.71372	PL.71370	ABC	#3/0 ACSR	7.16Y	119.3	0.03	5.71	20.03	7	416	112	97	0.09	0.0	3.759	0.134	10	2	2	76
PL.71373	PL.71372	ABC	#3/0 ACSR	7.16Y	119.3	0.02	5.72	19.56	7	405	109	97	0.04	0.0	3.827	0.069	0	0	0	74
PL.71374	PL.71373	ABC	#3/0 ACSR	7.16Y	119.3	0.02	5.74	19.56	7	405	109	97	0.05	0.0	3.908	0.080	0	0	0	74
PL.71569	PL.71374	C	#4 ACSR	7.16Y	119.3	0.00	5.74	1.32	1	9	2	98	0.00	0.0	3.913	0.005	0	0	0	1
PD.10710	PL.71569	C	65T	7.16Y	119.3	0.00	5.74	1.32	0	9	2	98	0.00	0.0	3.913	0.005	0	0	0	1
PL.71570	PD.10710	C	#4 ACSR	7.16Y	119.3	0.00	5.75	1.32	1	9	2	98	0.00	0.0	3.985	0.073	9	2	1	1
PL.71025	PL.71374	ABC	#3/0 ACSR	7.15Y	119.2	0.02	5.77	19.12	6	396	107	97	0.05	0.0	3.995	0.087	11	3	2	73
PL.71026	PL.71025	ABC	#3/0 ACSR	7.15Y	119.2	0.01	5.78	17.76	6	368	100	97	0.03	0.0	4.055	0.060	9	2	1	70
PL.71027	PL.71026	ABC	#3/0 ACSR	7.15Y	119.2	0.02	5.80	16.85	6	349	95	96	0.05	0.0	4.172	0.116	6	1	3	68
PL.71575	PL.71027	A	#4 ACSR	7.15Y	119.2	0.00	5.80	3.51	3	24	6	97	0.00	0.0	4.176	0.005	0	0	0	2
PD.10713	PL.71575	A	65T	7.15Y	119.2	0.00	5.80	3.51	0	24	6	97	0.00	0.0	4.176	0.005	0	0	0	2
PL.71576	PD.10713	A	#4 ACSR	7.15Y	119.2	0.01	5.82	3.51	3	24	6	97	0.00	0.0	4.284	0.108	8	2	1	2
PL.71184	PL.71576	A	#4 ACSR	7.15Y	119.2	0.00	5.82	0.00	0	0	0	100	0.00	0.0	4.342	0.057	0	0	0	0
PL.70891	PL.71576	A	#1/0 ACSR	7.15Y	119.2	0.00	5.82	2.29	1	16	4	97	0.00	0.0	4.355	0.071	16	4	1	1
PL.70892	PL.71027	ABC	#3/0 ACSR	7.15Y	119.2	0.03	5.83	15.39	5	318	88	96	0.06	0.0	4.320	0.149	12	3	3	63
PL.71388	PL.70892	ABC	#3/0 ACSR	7.15Y	119.2	0.00	5.83	4.11	1	83	30	94	0.00	0.0	4.358	0.037	10	2	5	19
PL.71392	PL.71388	ABC	#3/0 ACSR	7.15Y	119.2	0.00	5.83	3.65	1	73	27	94	0.00	0.0	4.382	0.024	0	0	0	14
PL.71435	PL.71392	ABC	#3/0 ACSR	7.15Y	119.2	0.00	5.84	3.65	1	73	27	94	0.00	0.0	4.440	0.058	40	19	1	14
PL.71436	PL.71435	ABC	#3/0 ACSR	7.15Y	119.2	0.00	5.84	1.61	1	34	8	97	0.00	0.0	4.446	0.007	5	1	2	13
PL.71390	PL.71436	ABC	#3/0 ACSR	7.15Y	119.2	0.00	5.84	1.38	0	29	7	97	0.00	0.0	4.471	0.024	0	0	0	11

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Balanced Voltage Drop Report
Source: Annville

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.71437	PL.71390	ABC	#3/0 ACSR	7.15Y	119.2	0.00	5.84	1.38	0	29	7	97	0.00	0.0	4.526	0.056	0	0	1	10
PL.71438	PL.71437	ABC	#3/0 ACSR	7.15Y	119.2	0.00	5.84	1.38	0	29	7	97	0.00	0.0	4.648	0.121	0	0	0	9
PL.71049	PL.71438	ABC	#3/0 ACSR	7.15Y	119.2	0.00	5.84	1.38	0	29	7	97	0.00	0.0	4.719	0.071	1	0	1	9
PL.71394	PL.71049	ABC	#3/0 ACSR	7.15Y	119.2	0.00	5.84	0.11	0	2	1	89	0.00	0.0	4.775	0.056	0	0	2	3
PL.71395	PL.71394	ABC	#3/0 ACSR	7.15Y	119.2	0.00	5.84	0.10	0	2	1	89	0.00	0.0	4.822	0.048	2	1	1	1
PL.71697	PL.71395	ABC	#3/0 ACSR	7.15Y	119.2	0.00	5.84	0.00	0	0	0	100	0.00	0.0	4.825	0.003	0	0	0	0
PD.10601	PL.71697	ABC	360VWE	7.15Y	119.2	0.00	5.84	0.00	0	0	0	100	0.00	0.0	4.825	0.003	0	0	0	0
PL.71698	PD.10601	ABC	#3/0 ACSR	7.15Y	119.2	0.00	5.84	0.00	0	0	0	100	0.00	0.0	4.913	0.088	0	0	0	0
PD.10596-A	PL.71698	ABC	Closed	7.15Y	119.2	0.00	5.84	0.00	0	0	0	100	0.00	0.0	4.913	0.088	0	0	0	0
PD.10596-B	PD.10596-A	ABC	Closed	7.15Y	119.2	0.00	5.84	0.00	0	0	0	100	0.00	0.0	4.913	0.088	0	0	0	0
PL.72991	PD.10596-B	ABC	#3/0 ACSR	7.15Y	119.2	0.00	5.84	0.00	0	0	0	100	0.00	0.0	4.917	0.005	0	0	0	0
PL.71075	PL.72991	ABC	#3/0 ACSR	7.15Y	119.2	0.00	5.84	0.00	0	0	0	100	0.00	0.0	4.921	0.004	0	0	0	0
PD.10593-B	PL.71075	ABC	Open	7.15Y	119.2	0.00	5.84	0.00	0	0	0	100	0.00	0.0	4.921	0.004	0	0	0	0
PL.72992	PL.72991	ABC	#3/0 ACSR	7.15Y	119.2	0.00	5.84	0.00	0	0	0	100	0.00	0.0	4.919	0.002	0	0	0	0
PD.10592-B	PL.72992	ABC	Open	7.15Y	119.2	0.00	5.84	0.00	0	0	0	100	0.00	0.0	4.919	0.002	0	0	0	0
PL.71579	PL.71049	C	#4 ACSR	7.15Y	119.2	0.00	5.84	3.62	3	25	6	97	0.00	0.0	4.723	0.005	0	0	0	5
PD.10715	PL.71579	C	65T	7.15Y	119.2	0.00	5.84	3.62	0	25	6	97	0.00	0.0	4.723	0.005	0	0	0	5
PL.71580	PD.10715	C	#4 ACSR	7.15Y	119.2	0.00	5.84	3.62	3	25	6	97	0.00	0.0	4.739	0.016	8	2	2	5
PL.71393	PL.71580	C	#4 ACSR	7.15Y	119.2	0.00	5.85	2.40	2	17	4	97	0.00	0.0	4.791	0.052	17	4	3	3
PL.71577	PL.71390	A	#4 ACSR	7.15Y	119.2	0.00	5.84	0.00	0	0	0	100	0.00	0.0	4.475	0.005	0	0	0	1
PD.10714	PL.71577	A	50T	7.15Y	119.2	0.00	5.84	0.00	0	0	0	100	0.00	0.0	4.475	0.005	0	0	0	1
PL.71578	PD.10714	A	#4 ACSR	7.15Y	119.2	0.00	5.84	0.00	0	0	0	100	0.00	0.0	4.538	0.063	0	0	1	1
PL.71391	PL.71578	A	#4 ACSR	7.15Y	119.2	0.00	5.84	0.00	0	0	0	100	0.00	0.0	4.615	0.076	0	0	0	0
PL.71701	PL.70892	C	6 A (CWC)	7.15Y	119.2	0.00	5.83	32.15	23	223	55	97	0.01	0.0	4.323	0.003	0	0	0	41
PD.10603	PL.71701	C	50LOCR	7.15Y	119.2	0.00	5.83	32.15	64	223	55	97	0.00	0.0	4.323	0.003	0	0	0	41
PL.71702	PD.10603	C	6 A (CWC)	7.14Y	119.1	0.09	5.93	32.15	23	223	55	97	0.15	0.1	4.386	0.063	9	2	2	41
PL.71389	PL.71702	C	6 A (CWC)	7.14Y	119.0	0.09	6.01	30.81	22	214	52	97	0.14	0.1	4.451	0.064	10	2	1	39
PL.71386	PL.71389	C	6 A (CWC)	7.14Y	118.9	0.05	6.06	29.34	21	203	50	97	0.08	0.0	4.489	0.038	7	2	1	38
PL.71387	PL.71386	C	6 A (CWC)	7.13Y	118.8	0.11	6.17	28.32	20	196	48	97	0.17	0.1	4.577	0.089	7	2	1	37
PL.70894	PL.71387	C	#1/0 ACSR	7.13Y	118.8	0.00	6.18	2.35	1	16	4	97	0.00	0.0	4.629	0.051	16	4	2	2
PL.70893	PL.71387	C	6 A (CWC)	7.13Y	118.8	0.01	6.19	2.19	2	15	4	97	0.00	0.0	4.719	0.141	0	0	1	3

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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.70895	PL.70893	C	#2 ACSR	7.13Y	118.8	0.00	6.19	2.18	1	15	4	97	0.00	0.0	4.766	0.048	15	4	2	2
PL.71028	PL.71387	C	6 A (CWC)	7.12Y	118.7	0.16	6.34	22.82	16	158	39	97	0.19	0.1	4.740	0.163	11	3	2	31
PL.70896	PL.71028	C	#2 ACSR	7.12Y	118.7	0.00	6.34	3.13	2	22	5	98	0.00	0.0	4.794	0.053	22	5	3	3
PL.70897	PL.71028	C	6 A (CWC)	7.12Y	118.6	0.07	6.41	18.05	13	125	31	97	0.07	0.1	4.827	0.086	0	0	0	26
PL.71383	PL.70897	C	6 A (CWC)	7.11Y	118.5	0.11	6.52	18.05	13	125	30	97	0.11	0.1	4.966	0.140	3	1	1	26
PL.71384	PL.71383	C	6 A (CWC)	7.11Y	118.5	0.02	6.54	17.60	13	122	30	97	0.02	0.0	4.994	0.028	0	0	0	25
PL.71163	PL.71384	C	6 A (CWC)	7.11Y	118.4	0.03	6.58	14.41	10	99	24	97	0.02	0.0	5.049	0.055	17	4	3	21
PL.70900	PL.71163	C	#2 ACSR	7.11Y	118.4	0.00	6.58	0.00	0	0	0	100	0.00	0.0	5.086	0.036	0	0	0	0
PL.71381	PL.71163	C	6 A (CWC)	7.10Y	118.4	0.04	6.62	9.22	7	64	16	97	0.02	0.0	5.152	0.103	0	0	1	12
PL.71382	PL.71381	C	6 A (CWC)	7.10Y	118.3	0.06	6.68	9.18	7	63	15	97	0.03	0.0	5.289	0.137	0	0	0	11
PL.71047	PL.71382	C	6 A (CWC)	7.10Y	118.3	0.07	6.75	9.18	7	63	15	97	0.04	0.1	5.467	0.178	0	0	0	11
PL.71048	PL.71047	C	6 A (CWC)	7.09Y	118.2	0.04	6.79	9.18	7	63	15	97	0.02	0.0	5.572	0.105	0	0	0	11
PL.70906	PL.71048	C	#4 ACSR	7.09Y	118.1	0.07	6.86	9.18	7	63	15	97	0.03	0.1	5.752	0.180	10	2	1	11
PL.70909	PL.70906	C	#4 ACSR	7.09Y	118.1	0.00	6.86	0.00	0	0	0	100	0.00	0.0	5.827	0.076	0	0	0	0
PL.70907	PL.70906	C	#1/0 ACSR	7.09Y	118.1	0.00	6.86	2.36	1	16	4	97	0.00	0.0	5.778	0.027	16	4	1	1
PL.70910	PL.70906	C	#4 ACSR	7.09Y	118.1	0.01	6.88	5.02	4	35	8	97	0.00	0.0	5.817	0.066	0	0	0	8
PL.70911	PL.70910	C	#4 ACSR	7.09Y	118.1	0.00	6.88	1.10	1	8	2	97	0.00	0.0	5.875	0.058	8	2	2	2
PL.71379	PL.70910	C	#1/0 ACSR	7.09Y	118.1	0.00	6.88	3.93	2	27	7	97	0.00	0.0	5.852	0.035	6	1	1	6
PL.71380	PL.71379	C	#1/0 ACSR	7.09Y	118.1	0.00	6.88	3.09	1	21	5	97	0.00	0.0	5.900	0.048	21	5	5	5
PL.70908	PL.70906	C	#4 ACSR	7.09Y	118.1	0.00	6.86	0.37	0	3	1	95	0.00	0.0	5.814	0.062	3	1	1	1
PL.70901	PL.71163	C	#4 ACSR	7.11Y	118.4	0.01	6.58	2.67	2	18	4	98	0.00	0.0	5.102	0.053	0	0	0	6
PL.70903	PL.70901	C	#4 ACSR	7.10Y	118.4	0.00	6.59	2.67	2	18	4	98	0.00	0.0	5.147	0.045	4	1	1	6
PL.70905	PL.70903	C	#1/0 ACSR	7.10Y	118.4	0.01	6.59	2.12	1	15	4	97	0.00	0.0	5.272	0.126	0	0	0	2
PL.71385	PL.70905	C	#1/0 ACSR	7.10Y	118.4	0.00	6.60	2.12	1	15	4	97	0.00	0.0	5.388	0.116	15	4	1	2
PL.71567	PL.71385	C	#1/0 ACSR	7.10Y	118.4	0.00	6.60	0.00	0	0	0	100	0.00	0.0	5.393	0.005	0	0	0	1
PD.10709	PL.71567	C	15T	7.10Y	118.4	0.00	6.60	0.00	0	0	0	100	0.00	0.0	5.393	0.005	0	0	0	1
PL.71568	PD.10709	C	#1/0 ACSR	7.10Y	118.4	0.00	6.60	0.00	0	0	0	100	0.00	0.0	5.538	0.146	0	0	1	1
PL.70904	PL.70903	C	#4 ACSR	7.10Y	118.4	0.00	6.59	0.01	0	0	0	100	0.00	0.0	5.168	0.021	0	0	3	3
PL.70902	PL.70901	C	#4 ACSR	7.11Y	118.4	0.00	6.58	0.00	0	0	0	100	0.00	0.0	5.146	0.043	0	0	0	0
PL.70898	PL.71384	C	#4 ACSR	7.11Y	118.5	0.00	6.54	1.51	1	10	3	96	0.00	0.0	5.011	0.017	10	3	1	1
PL.70899	PL.71384	C	#4 ACSR	7.11Y	118.5	0.00	6.54	1.68	1	12	3	97	0.00	0.0	5.045	0.051	12	3	3	3

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Balanced Voltage Drop Report
Source: Annville

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.71573	PL.71026	A	#4 ACSR	7.15Y	119.2	0.00	5.78	1.47	1	10	2	98	0.00	0.0	4.060	0.005	0	0	0	1
PD.10712	PL.71573	A	65T	7.15Y	119.2	0.00	5.78	1.47	0	10	2	98	0.00	0.0	4.060	0.005	0	0	0	1
PL.71574	PD.10712	A	#4 ACSR	7.15Y	119.2	0.00	5.78	1.47	1	10	2	98	0.00	0.0	4.128	0.068	10	2	1	1
PL.71571	PL.71025	C	6 A (CWC)	7.15Y	119.2	0.00	5.77	2.50	2	17	4	97	0.00	0.0	4.000	0.005	0	0	0	1
PD.10711	PL.71571	C	65T	7.15Y	119.2	0.00	5.77	2.50	0	17	4	97	0.00	0.0	4.000	0.005	0	0	0	1
PL.71572	PD.10711	C	6 A (CWC)	7.15Y	119.2	0.00	5.77	2.50	2	17	4	97	0.00	0.0	4.060	0.061	17	4	1	1
PL.71563	PL.71182	C	6 A (CWC)	7.16Y	119.4	0.00	5.64	0.42	0	3	1	95	0.00	0.0	3.512	0.005	0	0	0	2
PD.10707	PL.71563	C	65T	7.16Y	119.4	0.00	5.64	0.42	0	3	1	95	0.00	0.0	3.512	0.005	0	0	0	2
PL.71564	PD.10707	C	6 A (CWC)	7.16Y	119.4	0.00	5.65	0.42	0	3	1	95	0.00	0.0	3.640	0.128	0	0	0	2
PL.71172	PL.71564	C	6 A (CWC)	7.16Y	119.4	0.00	5.65	0.42	0	3	1	95	0.00	0.0	3.751	0.111	3	1	1	2
PL.71173	PL.71172	C	6 A (CWC)	7.16Y	119.4	0.00	5.65	0.00	0	0	0	100	0.00	0.0	3.912	0.160	0	0	0	1
PL.71350	PL.71173	C	6 A (CWC)	7.16Y	119.4	0.00	5.65	0.00	0	0	0	100	0.00	0.0	4.021	0.109	0	0	1	1
PL.71351	PL.71350	C	6 A (CWC)	7.16Y	119.4	0.00	5.65	0.00	0	0	0	100	0.00	0.0	4.082	0.061	0	0	0	0
PL.71349	PL.71351	C	6 A (CWC)	7.16Y	119.4	0.00	5.65	0.00	0	0	0	100	0.00	0.0	4.194	0.112	0	0	0	0
PL.71559	PL.71367	C	#4 ACSR	7.17Y	119.4	0.00	5.57	2.35	2	16	4	97	0.00	0.0	3.255	0.005	0	0	0	5
PD.10705	PL.71559	C	65T	7.17Y	119.4	0.00	5.57	2.35	0	16	4	97	0.00	0.0	3.255	0.005	0	0	0	5
PL.71560	PD.10705	C	#4 ACSR	7.17Y	119.4	0.00	5.57	2.35	2	16	4	97	0.00	0.0	3.316	0.061	12	3	3	5
PL.70882	PL.71560	C	#4 ACSR	7.17Y	119.4	0.00	5.57	0.64	0	4	1	97	0.00	0.0	3.364	0.047	4	1	2	2
PL.70781	PL.71365	B	#4 ACSR	7.16Y	119.4	0.11	5.63	40.93	31	285	70	97	0.23	0.1	3.177	0.059	0	0	0	51
PL.71699	PL.70781	B	#4 ACSR	7.16Y	119.4	0.00	5.63	40.93	31	285	70	97	0.01	0.0	3.180	0.003	0	0	0	51
PD.10602	PL.71699	B	70L	7.16Y	119.4	0.00	5.63	40.93	58	285	70	97	0.00	0.0	3.180	0.003	0	0	0	51
PL.71700	PD.10602	B	#4 ACSR	7.16Y	119.3	0.03	5.66	40.93	31	285	70	97	0.06	0.0	3.195	0.015	5	1	1	51
PL.70873	PL.71700	B	#4 ACSR	7.16Y	119.3	0.00	5.66	2.28	2	16	4	97	0.00	0.0	3.228	0.034	16	4	3	3
PL.71019	PL.71700	B	#4 ACSR	7.15Y	119.2	0.18	5.84	37.90	29	264	65	97	0.36	0.1	3.304	0.110	19	5	4	47
PL.70874	PL.71019	B	#4 ACSR	7.15Y	119.1	0.07	5.91	35.24	27	245	60	97	0.14	0.1	3.353	0.048	7	2	1	43
PL.70875	PL.70874	B	#4 ACSR	7.14Y	119.0	0.07	5.98	34.21	26	237	58	97	0.12	0.1	3.396	0.043	0	0	0	42
PL.70876	PL.70875	B	#4 ACSR	7.14Y	119.0	0.00	5.98	1.56	1	11	3	96	0.00	0.0	3.445	0.048	0	0	0	3
PL.70877	PL.70876	B	#4 ACSR	7.14Y	119.0	0.00	5.98	1.56	1	11	3	96	0.00	0.0	3.507	0.063	7	2	1	3
PL.70949	PL.70877	B	#1/0 ACSR	7.14Y	119.0	0.00	5.98	0.55	0	4	1	97	0.00	0.0	3.617	0.109	4	1	2	2
PL.71020	PL.70875	B	#4 ACSR	7.14Y	119.0	0.06	6.03	32.64	25	226	55	97	0.10	0.0	3.437	0.040	11	3	1	39
PL.70878	PL.71020	B	6 A (CWC)	7.14Y	118.9	0.03	6.07	10.78	8	75	18	97	0.02	0.0	3.505	0.069	0	0	0	14

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Balanced Voltage Drop Report
Source: Annville

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.70880	PL.70878	B	6 A (CWC)	7.13Y	118.9	0.04	6.11	10.78	8	75	18	97	0.02	0.0	3.586	0.081	0	0	0	14
PL.70944	PL.70880	B	#4 ACSR	7.13Y	118.9	0.01	6.11	5.43	4	38	9	97	0.00	0.0	3.645	0.059	38	9	6	6
PL.71021	PL.70880	B	6 A (CWC)	7.13Y	118.9	0.02	6.13	5.35	4	37	9	97	0.01	0.0	3.688	0.102	0	0	1	8
PL.70945	PL.71021	B	#1/0 ACSR	7.13Y	118.9	0.00	6.13	0.76	0	5	1	98	0.00	0.0	3.742	0.053	5	1	1	1
PL.70946	PL.71021	B	6 A (CWC)	7.13Y	118.8	0.03	6.16	4.57	3	32	8	97	0.01	0.0	3.818	0.129	2	1	1	6
PL.70947	PL.70946	B	#4 ACSR	7.13Y	118.8	0.00	6.16	1.49	1	10	3	96	0.00	0.0	3.864	0.046	0	0	2	3
PL.70948	PL.70947	B	#1/0 ACSR	7.13Y	118.8	0.00	6.16	1.45	1	10	2	98	0.00	0.0	3.933	0.069	10	2	1	1
PL.70950	PL.70946	B	6 A (CWC)	7.13Y	118.8	0.01	6.17	2.75	2	19	5	97	0.00	0.0	3.935	0.117	0	0	0	2
PL.71375	PL.70950	B	6 A (CWC)	7.13Y	118.8	0.00	6.17	0.00	0	0	0	100	0.00	0.0	4.056	0.121	0	0	0	0
PL.71376	PL.71375	B	6 A (CWC)	7.13Y	118.8	0.00	6.17	0.00	0	0	0	100	0.00	0.0	4.120	0.064	0	0	0	0
PL.70952	PL.70950	B	#2 ACSR	7.13Y	118.8	0.00	6.17	1.19	1	8	2	97	0.00	0.0	3.961	0.025	8	2	1	1
PL.70951	PL.70950	B	#1/0 ACSR	7.13Y	118.8	0.00	6.17	1.56	1	11	3	96	0.00	0.0	3.982	0.046	11	3	1	1
PL.70879	PL.71020	B	6 A (CWC)	7.13Y	118.9	0.06	6.10	18.79	13	130	32	97	0.06	0.0	3.512	0.075	0	0	0	22
PL.70938	PL.70879	B	#1/0 ACSR	7.13Y	118.9	0.00	6.10	0.00	0	0	0	100	0.00	0.0	3.539	0.026	0	0	2	2
PL.70939	PL.70879	B	#2 ACSR	7.13Y	118.9	0.00	6.10	1.65	1	11	3	96	0.00	0.0	3.555	0.043	11	3	1	1
PL.71022	PL.70879	B	6 A (CWC)	7.13Y	118.8	0.07	6.17	17.14	12	119	29	97	0.07	0.1	3.613	0.101	10	3	1	19
PL.71429	PL.71022	B	#4 ACSR	7.13Y	118.8	0.03	6.21	11.00	8	76	19	97	0.02	0.0	3.687	0.074	7	2	1	13
PL.71430	PL.71429	B	#4 ACSR	7.12Y	118.7	0.06	6.27	9.99	8	69	17	97	0.03	0.1	3.832	0.145	0	0	0	12
PL.70941	PL.71430	B	#4 ACSR	7.12Y	118.7	0.03	6.30	9.99	8	69	17	97	0.01	0.0	3.895	0.063	0	0	0	12
PL.71354	PL.70941	B	#4 ACSR	7.12Y	118.7	0.02	6.31	7.39	6	51	12	97	0.01	0.0	3.959	0.064	19	5	4	9
PL.71355	PL.71354	B	#4 ACSR	7.12Y	118.7	0.01	6.32	4.60	4	32	8	97	0.00	0.0	3.986	0.027	0	0	0	5
PL.70943	PL.71355	B	#4 ACSR	7.12Y	118.7	0.00	6.32	1.54	1	11	3	96	0.00	0.0	4.024	0.038	0	0	0	2
PL.71023	PL.70943	B	#4 ACSR	7.12Y	118.7	0.00	6.33	1.54	1	11	3	96	0.00	0.0	4.075	0.051	0	0	0	2
PL.71362	PL.71023	B	#4 ACSR	7.12Y	118.7	0.00	6.33	1.54	1	11	3	96	0.00	0.0	4.117	0.042	3	1	1	2
PL.71363	PL.71362	B	#4 ACSR	7.12Y	118.7	0.00	6.33	1.08	1	7	2	96	0.00	0.0	4.246	0.129	7	2	1	1
PL.71360	PL.71355	B	#4 ACSR	7.12Y	118.7	0.01	6.33	3.06	2	21	5	97	0.00	0.0	4.066	0.081	12	3	2	3
PL.71361	PL.71360	B	#4 ACSR	7.12Y	118.7	0.00	6.33	1.26	1	9	2	98	0.00	0.0	4.100	0.034	9	2	1	1
PL.70942	PL.70941	B	#4 ACSR	7.12Y	118.7	0.00	6.30	2.60	2	18	4	98	0.00	0.0	3.915	0.021	18	4	3	3
PL.71356	PL.71022	B	6 A (CWC)	7.13Y	118.8	0.02	6.19	4.62	3	32	8	97	0.00	0.0	3.691	0.078	0	0	0	5
PL.71357	PL.71356	B	6 A (CWC)	7.13Y	118.8	0.02	6.21	4.62	3	32	8	97	0.01	0.0	3.793	0.102	0	0	0	5
PL.71358	PL.71357	B	6 A (CWC)	7.13Y	118.8	0.02	6.23	4.62	3	32	8	97	0.00	0.0	3.901	0.108	17	4	4	5

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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.71359	PL.71358	B	6 A (CWC)	7.13Y	118.8	0.01	6.24	2.17	2	15	4	97	0.00	0.0	4.006	0.105	0	0	0	1
PL.70940	PL.71359	B	#1/0 ACSR	7.13Y	118.8	0.00	6.24	2.17	1	15	4	97	0.00	0.0	4.047	0.041	15	4	1	1
PL.71377	PL.71020	B	6 A (CWC)	7.14Y	119.0	0.00	6.03	1.54	1	11	3	96	0.00	0.0	3.498	0.061	10	2	1	2
PL.71378	PL.71377	B	6 A (CWC)	7.14Y	119.0	0.00	6.04	0.15	0	1	0	100	0.00	0.0	3.655	0.158	1	0	1	1
PL.71705	PL.71353	ABC	#1/0 ACSR	7.17Y	119.5	0.01	5.48	16.38	7	342	84	97	0.02	0.0	3.065	0.031	0	0	0	75
PD.10605	PL.71705	ABC	35L	7.17Y	119.5	0.00	5.48	16.38	47	342	84	97	0.00	0.0	3.065	0.031	0	0	0	75
PL.71706	PD.10605	ABC	#1/0 ACSR	7.17Y	119.5	0.01	5.49	16.38	7	342	84	97	0.01	0.0	3.085	0.020	0	0	2	75
PL.71557	PL.71706	A	6 A (CWC)	7.17Y	119.5	0.00	5.49	4.51	3	31	8	97	0.00	0.0	3.090	0.005	0	0	0	14
PD.10704	PL.71557	A	15T	7.17Y	119.5	0.00	5.49	4.51	0	31	8	97	0.00	0.0	3.090	0.005	0	0	0	14
PL.71558	PD.10704	A	6 A (CWC)	7.17Y	119.5	0.01	5.50	4.51	3	31	8	97	0.00	0.0	3.145	0.056	6	1	5	14
PL.70780	PL.71558	A	#4 ACSR	7.17Y	119.5	0.00	5.50	3.64	3	25	6	97	0.00	0.0	3.190	0.044	25	6	9	9
PL.71014	PL.71706	ABC	#1/0 ACSR	7.17Y	119.5	0.02	5.51	14.87	6	311	76	97	0.04	0.0	3.146	0.061	0	0	0	59
PL.71174	PL.71014	A	#4 ACSR	7.17Y	119.5	0.00	5.51	2.09	2	15	4	97	0.00	0.0	3.150	0.005	0	0	0	1
PD.10701	PL.71174	A	15T	7.17Y	119.5	0.00	5.51	2.09	0	15	4	97	0.00	0.0	3.150	0.005	0	0	0	1
PL.70763	PD.10701	A	#4 ACSR	7.17Y	119.5	0.00	5.51	0.00	0	0	0	100	0.00	0.0	3.190	0.040	0	0	0	0
PL.71175	PD.10701	A	#4 ACSR	7.17Y	119.5	0.00	5.51	2.09	2	15	4	97	0.00	0.0	3.186	0.036	15	4	1	1
PL.71015	PL.71014	ABC	#1/0 ACSR	7.17Y	119.5	0.01	5.52	14.18	6	296	72	97	0.02	0.0	3.191	0.045	11	3	2	58
PL.71553	PL.71015	A	6 A (CWC)	7.17Y	119.5	0.00	5.52	4.05	3	28	7	97	0.00	0.0	3.196	0.005	0	0	0	7
PD.10702	PL.71553	A	15T	7.17Y	119.5	0.00	5.52	4.05	0	28	7	97	0.00	0.0	3.196	0.005	0	0	0	7
PL.71554	PD.10702	A	6 A (CWC)	7.17Y	119.5	0.01	5.52	4.05	3	28	7	97	0.00	0.0	3.238	0.042	11	3	2	7
PL.70888	PL.71554	A	6 A (CWC)	7.17Y	119.5	0.01	5.53	2.55	2	18	4	98	0.00	0.0	3.294	0.056	0	0	1	5
PL.71016	PL.70888	A	6 A (CWC)	7.17Y	119.5	0.00	5.53	0.79	1	6	1	99	0.00	0.0	3.334	0.040	6	1	2	2
PL.70887	PL.70888	A	#1/0 ACSR	7.17Y	119.5	0.00	5.53	1.75	1	12	3	97	0.00	0.0	3.335	0.041	12	3	2	2
PL.71345	PL.71015	ABC	#1/0 ACSR	7.17Y	119.5	0.02	5.53	12.32	5	257	63	97	0.03	0.0	3.266	0.075	4	1	1	49
PL.71346	PL.71345	ABC	#1/0 ACSR	7.17Y	119.5	0.01	5.55	12.11	5	253	62	97	0.02	0.0	3.327	0.061	1	0	1	48
PL.71344	PL.71346	ABC	#1/0 ACSR	7.16Y	119.4	0.04	5.59	12.08	5	252	62	97	0.07	0.0	3.514	0.187	4	1	1	47
PL.70764	PL.71344	B	#4 ACSR	7.16Y	119.4	0.02	5.60	7.84	6	55	13	97	0.01	0.0	3.559	0.046	3	1	1	10
PL.70766	PL.70764	B	#4 ACSR	7.16Y	119.4	0.00	5.60	0.34	0	2	1	89	0.00	0.0	3.609	0.050	2	1	1	1
PL.70767	PL.70764	B	#4 ACSR	7.16Y	119.4	0.03	5.63	7.00	5	49	12	97	0.01	0.0	3.662	0.102	7	2	1	8
PL.70769	PL.70767	B	#4 ACSR	7.16Y	119.4	0.01	5.64	4.72	4	33	8	97	0.00	0.0	3.726	0.064	7	2	2	6
PL.70770	PL.70769	B	#4 ACSR	7.16Y	119.4	0.01	5.65	3.71	3	26	6	97	0.00	0.0	3.767	0.041	3	1	1	4

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Balanced Voltage Drop Report
Source: Annville

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.71327	PL.70770	B	#4 ACSR	7.16Y	119.3	0.01	5.66	3.34	3	23	6	97	0.00	0.0	3.844	0.077	11	3	1	3
PL.71328	PL.71327	B	#4 ACSR	7.16Y	119.3	0.01	5.67	1.69	1	12	3	97	0.00	0.0	3.961	0.117	0	0	1	2
PL.70771	PL.71328	B	#4 ACSR	7.16Y	119.3	0.00	5.67	1.67	1	12	3	97	0.00	0.0	3.995	0.034	12	3	1	1
PL.70768	PL.70767	B	#4 ACSR	7.16Y	119.4	0.00	5.63	1.26	1	9	2	98	0.00	0.0	3.774	0.112	9	2	1	1
PL.70765	PL.71344	C	#1/0 ACSR	7.16Y	119.4	0.04	5.63	27.85	12	194	47	97	0.06	0.0	3.582	0.068	0	0	0	36
PL.71017	PL.70765	C	#1/0 ACSR	7.16Y	119.3	0.03	5.66	22.26	10	155	38	97	0.03	0.0	3.644	0.061	9	2	1	31
PL.71342	PL.71017	C	#4 ACSR	7.16Y	119.3	0.00	5.66	2.79	2	19	5	97	0.00	0.0	3.689	0.045	7	2	1	3
PL.71343	PL.71342	C	#4 ACSR	7.16Y	119.3	0.00	5.66	1.72	1	12	3	97	0.00	0.0	3.712	0.024	12	3	2	2
PL.71331	PL.71017	C	#1/0 ACSR	7.16Y	119.3	0.02	5.68	18.10	8	126	31	97	0.02	0.0	3.703	0.059	0	0	1	27
PL.71332	PL.71331	C	#1/0 ACSR	7.16Y	119.3	0.02	5.70	18.08	8	126	31	97	0.01	0.0	3.742	0.039	4	1	1	26
PL.70772	PL.71332	C	#4 ACSR	7.16Y	119.3	0.00	5.70	0.00	0	0	0	100	0.00	0.0	3.794	0.052	0	0	0	0
PL.71337	PL.71332	C	#1/0 ACSR	7.16Y	119.3	0.01	5.71	17.44	8	121	30	97	0.01	0.0	3.775	0.033	10	2	2	25
PL.71338	PL.71337	C	#1/0 ACSR	7.16Y	119.3	0.01	5.73	16.02	7	111	27	97	0.01	0.0	3.820	0.045	28	7	4	23
PL.70773	PL.71338	C	#1/0 ACSR	7.16Y	119.3	0.00	5.73	1.61	1	11	3	96	0.00	0.0	3.879	0.058	11	3	3	3
PL.71335	PL.71338	C	#1/0 ACSR	7.16Y	119.3	0.01	5.74	10.45	5	73	18	97	0.01	0.0	3.872	0.052	4	1	1	16
PL.71336	PL.71335	C	#1/0 ACSR	7.15Y	119.2	0.02	5.76	9.92	4	69	17	97	0.01	0.0	3.960	0.088	0	0	0	15
PL.71333	PL.71336	C	#1/0 ACSR	7.15Y	119.2	0.00	5.76	3.94	2	27	7	97	0.00	0.0	3.975	0.015	5	1	1	4
PL.71334	PL.71333	C	#1/0 ACSR	7.15Y	119.2	0.00	5.76	3.16	1	22	5	98	0.00	0.0	4.004	0.029	22	5	3	3
PL.71158	PL.71336	C	#1/0 ACSR	7.15Y	119.2	0.02	5.78	5.98	3	42	10	97	0.00	0.0	4.089	0.129	0	0	0	11
PL.71159	PL.71158	C	#1/0 ACSR	7.15Y	119.2	0.01	5.79	3.87	2	27	7	97	0.00	0.0	4.221	0.132	0	0	0	7
PL.71046	PL.71159	C	#1/0 ACSR	7.15Y	119.2	0.01	5.79	3.87	2	27	7	97	0.00	0.0	4.292	0.071	0	0	0	7
PL.70775	PL.71046	C	#1/0 ACSR	7.15Y	119.2	0.01	5.80	3.87	2	27	7	97	0.00	0.0	4.376	0.084	1	0	2	7
PL.70778	PL.70775	C	#4 ACSR	7.15Y	119.2	0.01	5.81	1.78	1	12	3	97	0.00	0.0	4.545	0.170	0	0	1	3
PL.70779	PL.70778	C	6 A (CWC)	7.15Y	119.2	0.00	5.82	1.78	1	12	3	97	0.00	0.0	4.595	0.049	12	3	2	2
PL.70776	PL.70775	C	#4 ACSR	7.15Y	119.2	0.00	5.80	0.92	1	6	2	95	0.00	0.0	4.423	0.047	6	2	1	1
PL.70777	PL.70775	C	#4 ACSR	7.15Y	119.2	0.00	5.81	1.07	1	7	2	96	0.00	0.0	4.477	0.101	0	0	0	1
PL.71018	PL.70777	C	#4 ACSR	7.15Y	119.2	0.00	5.81	1.07	1	7	2	96	0.00	0.0	4.503	0.027	7	2	1	1
PL.71329	PL.71158	C	#2 ACSR	7.15Y	119.2	0.00	5.78	2.11	1	15	4	97	0.00	0.0	4.183	0.094	8	2	1	2
PL.71330	PL.71329	C	#2 ACSR	7.15Y	119.2	0.00	5.78	0.92	1	6	2	95	0.00	0.0	4.265	0.082	6	2	1	1
PL.70774	PL.71158	C	#2 ACSR	7.15Y	119.2	0.00	5.78	0.00	0	0	0	100	0.00	0.0	4.124	0.035	0	0	2	2
PL.71339	PL.70765	C	#4 ACSR	7.16Y	119.4	0.02	5.65	5.60	4	39	9	97	0.00	0.0	3.667	0.085	12	3	1	5

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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.71341	PL.71339	C	#4 ACSR	7.16Y	119.3	0.01	5.66	3.94	3	27	7	97	0.00	0.0	3.743	0.076	5	1	1	4
PL.71340	PL.71341	C	#4 ACSR	7.16Y	119.3	0.00	5.66	3.15	2	22	5	98	0.00	0.0	3.776	0.032	22	5	3	3
PL.70654	PL.70980	ABC	#1/0 ACSR	7.18Y	119.6	0.25	5.35	146.35	64	3021	922	96	5.37	0.2	2.569	0.094	0	0	0	477
PL.71695	PL.70654	ABC	#1/0 ACSR	7.18Y	119.6	0.01	5.36	146.35	64	3016	916	96	0.16	0.0	2.572	0.003	0	0	0	477
PD.10600	PL.71695	ABC	240VWE	7.18Y	119.6	0.00	5.36	146.35	0	3015	916	96	0.00	0.0	2.572	0.003	0	0	0	477
PL.71696	PD.10600	ABC	#1/0 ACSR	7.17Y	119.6	0.06	5.42	146.35	64	3015	916	96	1.33	0.0	2.595	0.023	24	6	3	477
PL.70655	PL.71696	ABC	#1/0 ACSR	7.17Y	119.5	0.07	5.50	145.19	63	2990	909	96	1.55	0.1	2.623	0.028	7	2	1	474
PL.71545	PL.70655	A	#2 ACSR	7.17Y	119.5	0.00	5.50	4.60	3	32	8	97	0.00	0.0	2.627	0.005	0	0	0	2
PD.10697	PL.71545	A	30T	7.17Y	119.5	0.00	5.50	4.60	0	32	8	97	0.00	0.0	2.627	0.005	0	0	0	2
PL.71546	PD.10697	A	#2 ACSR	7.17Y	119.5	0.00	5.50	4.60	3	32	8	97	0.00	0.0	2.664	0.037	32	8	2	2
PL.70656	PL.70655	ABC	#1/0 ACSR	7.16Y	119.4	0.10	5.60	143.33	62	2949	898	96	2.18	0.1	2.663	0.040	7	2	1	471
PL.71320	PL.70656	ABC	#1/0 ACSR	7.16Y	119.3	0.09	5.69	142.99	62	2940	894	96	1.89	0.1	2.698	0.035	19	5	2	470
PL.71321	PL.71320	ABC	#1/0 ACSR	7.15Y	119.2	0.09	5.78	142.08	62	2919	888	96	1.77	0.1	2.731	0.033	17	4	1	468
PL.71322	PL.71321	ABC	#1/0 ACSR	7.14Y	119.0	0.22	5.99	141.24	61	2900	882	96	4.43	0.2	2.814	0.083	0	0	0	467
PL.71309	PL.71322	ABC	#1/0 ACSR	7.13Y	118.9	0.14	6.13	141.22	61	2895	878	96	2.87	0.1	2.868	0.054	24	6	4	466
PL.71310	PL.71309	ABC	#1/0 ACSR	7.12Y	118.7	0.19	6.32	140.07	61	2868	869	96	3.80	0.1	2.941	0.073	11	3	2	462
PL.71539	PL.71310	A	#1/0 ACSR	7.12Y	118.7	0.00	6.32	1.95	1	14	3	98	0.00	0.0	2.946	0.005	0	0	0	3
PD.10694	PL.71539	A	30T	7.12Y	118.7	0.00	6.32	1.95	0	14	3	98	0.00	0.0	2.946	0.005	0	0	0	3
PL.71540	PD.10694	A	#1/0 ACSR	7.12Y	118.7	0.00	6.32	1.95	1	14	3	98	0.00	0.0	2.980	0.034	14	3	1	3
PL.71311	PL.71540	A	#1/0 ACSR	7.12Y	118.7	0.00	6.32	0.00	0	0	0	100	0.00	0.0	3.019	0.039	0	0	2	2
PL.70657	PL.71310	ABC	#1/0 ACSR	7.11Y	118.4	0.26	6.58	138.88	60	2840	859	96	5.33	0.2	3.045	0.104	0	0	0	457
PL.70982	PL.70657	ABC	#1/0 ACSR	7.09Y	118.2	0.23	6.82	138.23	60	2821	851	96	4.71	0.2	3.138	0.093	3	1	1	455
REG21	PL.70982	ABC	167Kkva	7.51Y	125.2	-7.04	-0.23	138.07	63	2813	846	96	percent Boost= 5.62 Tap= 9.0							454
PL.71549	REG21	A	6 A (CWC)	7.51Y	125.2	0.00	-0.23	1.51	1	11	3	96	0.00	0.0	3.142	0.005	0	0	0	3
PD.10699	PL.71549	A	30T	7.51Y	125.2	0.00	-0.23	1.51	0	11	3	96	0.00	0.0	3.142	0.005	0	0	0	3
PL.71550	PD.10699	A	6 A (CWC)	7.51Y	125.2	0.01	-0.22	1.51	1	11	3	96	0.00	0.0	3.220	0.078	0	0	0	3
PL.71160	PL.71550	A	6 A (CWC)	7.51Y	125.2	0.00	-0.22	1.51	1	11	3	96	0.00	0.0	3.247	0.027	0	0	0	3
PL.71161	PL.71160	A	6 A (CWC)	7.51Y	125.2	0.00	-0.22	1.51	1	11	3	96	0.00	0.0	3.293	0.046	11	3	2	2
PL.70674	PL.71160	A	#1/0 ACSR	7.51Y	125.2	0.00	-0.22	0.00	0	0	0	100	0.00	0.0	3.307	0.060	0	0	1	1
PL.70658	REG21	ABC	#1/0 ACSR	7.49Y	124.8	0.41	0.18	129.80	56	2802	843	96	7.79	0.3	3.311	0.174	0	0	0	451
PL.71157	PL.70658	A	#4 ACSR	7.49Y	124.8	0.00	0.18	5.66	4	41	10	97	0.00	0.0	3.316	0.005	0	0	0	5

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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
PD.10691	PL.71157	A	30T	7.49Y	124.8	0.00	0.18	5.66	0	41	10	97	0.00	0.0	3.316	0.005	0	0	0	5
PL.70659	PD.10691	A	#4 ACSR	7.49Y	124.8	0.00	0.19	1.66	1	12	3	97	0.00	0.0	3.408	0.093	12	3	1	1
PL.71323	PD.10691	A	#4 ACSR	7.49Y	124.8	0.00	0.19	3.99	3	29	7	97	0.00	0.0	3.339	0.023	11	3	1	4
PL.71324	PL.71323	A	#4 ACSR	7.49Y	124.8	0.00	0.19	2.51	2	18	4	98	0.00	0.0	3.395	0.056	12	3	1	3
PL.71325	PL.71324	A	#4 ACSR	7.49Y	124.8	0.00	0.19	0.82	1	6	1	99	0.00	0.0	3.473	0.078	6	1	2	2
PL.71156	PL.70658	ABC	#1/0 ACSR	7.49Y	124.8	0.01	0.19	127.92	56	2753	825	96	0.19	0.0	3.316	0.004	0	0	0	446
PL.71535	PL.71156	ABC	#1/0 ACSR	7.48Y	124.6	0.22	0.42	127.92	56	2753	825	96	4.18	0.2	3.411	0.096	0	0	0	446
PL.71536	PL.71535	ABC	#1/0 ACSR	7.47Y	124.6	0.01	0.43	127.92	56	2748	821	96	0.19	0.0	3.416	0.004	9	2	1	446
PL.71154	PL.71536	ABC	#1/0 ACSR	7.47Y	124.5	0.07	0.50	127.10	55	2730	817	96	1.30	0.0	3.446	0.030	0	0	0	444
PL.71155	PL.71154	ABC	#1/0 ACSR	7.47Y	124.5	0.00	0.50	127.10	55	2729	815	96	0.07	0.0	3.447	0.002	0	0	0	444
PL.71036	PL.71155	ABC	#1/0 ACSR	7.47Y	124.5	0.00	0.50	127.10	55	2729	815	96	0.07	0.0	3.449	0.002	0	0	0	444
PL.70660	PL.71036	ABC	#1/0 ACSR	7.46Y	124.3	0.20	0.70	127.10	55	2729	815	96	3.67	0.1	3.534	0.085	0	0	0	444
PL.70661	PL.70660	ABC	#1/0 ACSR	7.44Y	124.0	0.32	1.02	126.69	55	2716	810	96	5.85	0.2	3.671	0.137	0	0	0	443
PL.71709	PL.70661	ABC	#1/0 ACSR	7.43Y	123.8	0.20	1.22	119.30	52	2550	765	96	3.52	0.1	3.764	0.093	0	0	0	413
PL.71710	PL.71709	ABC	#1/0 ACSR	7.41Y	123.5	0.29	1.51	119.30	52	2547	761	96	5.07	0.2	3.898	0.134	0	0	0	413
PL.70676	PL.71710	ABC	#1/0 ACSR	7.41Y	123.4	0.05	1.56	119.30	52	2542	757	96	0.83	0.0	3.919	0.022	7	2	1	413
PL.70678	PL.70676	B	6 A (CWC)	7.40Y	123.4	0.05	1.61	16.49	12	119	29	97	0.04	0.0	3.987	0.067	0	0	0	17
PL.71527	PL.70678	B	6 A (CWC)	7.40Y	123.4	0.00	1.61	16.49	12	119	29	97	0.00	0.0	3.991	0.005	0	0	0	17
PD.10688	PL.71527	B	30T	7.40Y	123.4	0.00	1.61	16.49	0	119	29	97	0.00	0.0	3.991	0.005	0	0	0	17
PL.71528	PD.10688	B	6 A (CWC)	7.40Y	123.3	0.06	1.67	16.49	12	119	29	97	0.05	0.0	4.074	0.082	0	0	0	17
PL.70679	PL.71528	B	6 A (CWC)	7.40Y	123.3	0.00	1.67	0.00	0	0	0	100	0.00	0.0	4.128	0.055	0	0	1	1
PL.71141	PL.71528	B	6 A (CWC)	7.40Y	123.3	0.08	1.75	16.49	12	119	29	97	0.07	0.1	4.176	0.103	0	0	0	16
PL.70680	PL.71141	B	#1/0 ACSR	7.40Y	123.3	0.00	1.75	1.04	0	7	2	96	0.00	0.0	4.194	0.018	7	2	1	1
PL.71133	PL.71141	B	6 A (CWC)	7.39Y	123.2	0.05	1.79	15.45	11	111	27	97	0.04	0.0	4.241	0.065	0	0	0	15
PL.71130	PL.71133	B	6 A (CWC)	7.39Y	123.2	0.01	1.80	12.49	9	90	22	97	0.00	0.0	4.251	0.010	0	0	0	10
PL.71131	PL.71130	B	6 A (CWC)	7.39Y	123.2	0.00	1.80	1.41	1	10	2	98	0.00	0.0	4.282	0.031	10	2	1	1
PL.70681	PL.71130	B	#2 ACSR	7.39Y	123.2	0.03	1.83	11.08	6	80	19	97	0.01	0.0	4.326	0.075	0	0	0	9
PL.71126	PL.70681	B	#2 ACSR	7.39Y	123.2	0.00	1.83	3.81	2	27	7	97	0.00	0.0	4.360	0.033	8	2	1	4
PL.70683	PL.71126	B	#2 ACSR	7.39Y	123.2	0.00	1.83	1.67	1	12	3	97	0.00	0.0	4.384	0.024	12	3	2	2
PL.71127	PL.71126	B	#2 ACSR	7.39Y	123.2	0.00	1.83	1.04	1	7	2	96	0.00	0.0	4.393	0.033	7	2	1	1
PL.70682	PL.70681	B	#2 ACSR	7.39Y	123.2	0.01	1.84	7.27	4	52	13	97	0.00	0.0	4.383	0.057	0	0	0	5

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Balanced Voltage Drop Report
Source: Annville

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.70684	PL.70682	B	#2 ACSR	7.39Y	123.2	0.01	1.85	7.27	4	52	13	97	0.00	0.0	4.417	0.034	0	0	0	5
PL.71122	PL.70684	B	#2 ACSR	7.39Y	123.1	0.01	1.85	2.10	1	15	4	97	0.00	0.0	4.527	0.110	0	0	0	2
PL.71123	PL.71122	B	#2 ACSR	7.39Y	123.1	0.00	1.85	1.37	1	10	2	98	0.00	0.0	4.563	0.035	10	2	1	1
PL.70687	PL.71123	B	#2 ACSR	7.39Y	123.1	0.00	1.85	0.00	0	0	0	100	0.00	0.0	4.580	0.018	0	0	0	0
PL.70686	PL.71122	B	#2 ACSR	7.39Y	123.1	0.00	1.85	0.73	0	5	1	98	0.00	0.0	4.549	0.022	5	1	1	1
PL.71128	PL.70684	B	#2 ACSR	7.39Y	123.1	0.01	1.85	5.17	3	37	9	97	0.00	0.0	4.456	0.040	0	0	0	3
PL.71129	PL.71128	B	#2 ACSR	7.39Y	123.1	0.00	1.85	4.17	2	30	7	97	0.00	0.0	4.469	0.013	11	3	1	2
PL.70688	PL.71129	B	#1/0 ACSR	7.39Y	123.1	0.00	1.86	2.58	1	19	5	97	0.00	0.0	4.507	0.038	0	0	0	1
PL.71521	PL.70688	B	#1/0 ACSR	7.39Y	123.1	0.00	1.86	2.58	1	19	5	97	0.00	0.0	4.511	0.005	0	0	0	1
PD.10684	PL.71521	B	30T	7.39Y	123.1	0.00	1.86	2.58	0	19	5	97	0.00	0.0	4.511	0.005	0	0	0	1
PL.71522	PD.10684	B	#1/0 ACSR	7.39Y	123.1	0.00	1.86	2.58	1	19	5	97	0.00	0.0	4.610	0.099	19	5	1	1
PL.70685	PL.71128	B	#1/0 ACSR	7.39Y	123.1	0.00	1.85	1.00	0	7	2	96	0.00	0.0	4.472	0.015	7	2	1	1
PL.71306	PL.71133	B	#4 ACSR	7.39Y	123.2	0.01	1.80	2.96	2	21	5	97	0.00	0.0	4.329	0.088	6	1	1	5
PL.71307	PL.71306	B	#4 ACSR	7.39Y	123.2	0.00	1.81	2.14	2	15	4	97	0.00	0.0	4.384	0.055	6	1	2	4
PL.70689	PL.71307	B	#4 ACSR	7.39Y	123.2	0.00	1.81	1.33	1	10	2	98	0.00	0.0	4.515	0.131	10	2	2	2
PL.70677	PL.70676	ABC	#1/0 ACSR	7.39Y	123.2	0.27	1.83	113.49	49	2415	725	96	4.54	0.2	4.052	0.132	0	0	0	395
PL.71301	PL.70677	ABC	#1/0 ACSR	7.38Y	123.0	0.16	1.99	113.49	49	2411	721	96	2.64	0.1	4.129	0.077	7	2	1	395
PL.71302	PL.71301	ABC	#1/0 ACSR	7.38Y	122.9	0.09	2.08	113.17	49	2401	717	96	1.50	0.1	4.173	0.044	0	0	0	394
PL.71684	PL.71302	ABC	#1/0 ACSR	7.37Y	122.9	0.01	2.09	113.17	49	2400	715	96	0.16	0.0	4.177	0.005	0	0	0	394
PD.10594-A	PL.71684	ABC	Closed	7.37Y	122.9	0.00	2.09	113.17	0	2399	715	96	0.00	0.0	4.177	0.005	0	0	0	394
PD.10594-B	PD.10594-A	ABC	Closed	7.37Y	122.9	0.00	2.09	113.17	0	2399	715	96	0.00	0.0	4.177	0.005	0	0	0	394
PL.71685	PD.10594-B	ABC	#1/0 ACSR	7.37Y	122.8	0.09	2.18	113.17	49	2399	715	96	1.48	0.1	4.221	0.043	5	1	1	394
PL.71145	PL.71685	ABC	#1/0 ACSR	7.36Y	122.6	0.18	2.35	112.49	49	2383	710	96	2.88	0.1	4.306	0.086	9	2	1	392
PL.70983	PL.71145	ABC	#1/0 ACSR	7.35Y	122.5	0.14	2.49	111.82	49	2366	704	96	2.23	0.1	4.373	0.067	0	0	0	388
PL.71238	PL.70983	ABC	#1/0 ACSR	7.33Y	122.2	0.27	2.76	106.49	46	2249	674	96	4.22	0.2	4.514	0.140	12	3	1	363
PL.71239	PL.71238	ABC	#1/0 ACSR	7.31Y	121.9	0.35	3.12	105.94	46	2233	667	96	5.46	0.2	4.697	0.184	14	3	1	362
PL.71693	PL.71239	A	#1/0 ACSR	7.31Y	121.8	0.07	3.18	47.68	21	338	84	97	0.15	0.0	4.760	0.063	0	0	0	70
PD.10599	PL.71693	A	70L	7.31Y	121.8	0.00	3.18	47.68	68	338	84	97	0.00	0.0	4.760	0.063	0	0	0	70
PL.71694	PD.10599	A	#1/0 ACSR	7.30Y	121.7	0.08	3.27	47.68	21	338	84	97	0.19	0.1	4.836	0.076	0	0	0	70
PL.71124	PL.71694	A	#1/0 ACSR	7.30Y	121.7	0.08	3.35	47.68	21	338	83	97	0.19	0.1	4.914	0.078	12	3	2	70
PL.70912	PL.71124	A	#4 ACSR	7.30Y	121.7	0.00	3.35	0.07	0	0	0	100	0.00	0.0	4.937	0.023	0	0	1	1

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Balanced Voltage Drop Report
Source: Annville

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.71426	PL.71124	A	#1/0 ACSR	7.29Y	121.5	0.12	3.47	45.91	20	325	80	97	0.26	0.1	5.032	0.118	14	3	1	67
PL.71427	PL.71426	A	#1/0 ACSR	7.29Y	121.5	0.03	3.50	43.99	19	312	76	97	0.06	0.0	5.063	0.031	6	1	1	66
PL.70913	PL.71427	A	#1/0 ACSR	7.29Y	121.4	0.08	3.57	43.17	19	306	75	97	0.15	0.1	5.140	0.077	3	1	1	65
PL.71597	PL.70913	A	6 A (CWC)	7.29Y	121.4	0.00	3.58	10.71	8	76	19	97	0.00	0.0	5.144	0.005	0	0	0	14
PD.10725	PL.71597	A	30T	7.29Y	121.4	0.00	3.58	10.71	0	76	19	97	0.00	0.0	5.144	0.005	0	0	0	14
PL.71598	PD.10725	A	6 A (CWC)	7.28Y	121.4	0.04	3.62	10.71	8	76	19	97	0.02	0.0	5.229	0.084	10	2	2	14
PL.70985	PL.71598	A	6 A (CWC)	7.28Y	121.4	0.03	3.64	9.12	7	64	16	97	0.01	0.0	5.300	0.071	0	0	0	11
PL.70824	PL.70985	A	6 A (CWC)	7.28Y	121.4	0.00	3.65	9.12	7	64	16	97	0.00	0.0	5.304	0.005	0	0	0	11
PD.10587	PL.70824	A	30T	7.28Y	121.4	0.00	3.65	9.12	0	64	16	97	0.00	0.0	5.304	0.005	0	0	0	11
PL.70825	PD.10587	A	6 A (CWC)	7.28Y	121.3	0.06	3.70	9.12	7	64	16	97	0.03	0.0	5.440	0.136	0	0	0	11
PL.70937	PL.70825	A	6 A (CWC)	7.28Y	121.3	0.04	3.75	9.12	7	64	16	97	0.02	0.0	5.548	0.108	0	0	0	11
PL.71424	PL.70937	A	#1/0 ACSR	7.28Y	121.3	0.00	3.75	2.94	1	21	5	97	0.00	0.0	5.584	0.036	10	2	2	4
PL.71425	PL.71424	A	#1/0 ACSR	7.27Y	121.2	0.00	3.75	1.59	1	11	3	96	0.00	0.0	5.699	0.116	11	3	2	2
PL.71412	PL.70937	A	6 A (CWC)	7.27Y	121.2	0.03	3.78	6.18	4	44	11	97	0.01	0.0	5.662	0.113	10	2	1	7
PL.71413	PL.71412	A	6 A (CWC)	7.27Y	121.2	0.01	3.78	4.80	3	34	8	97	0.00	0.0	5.692	0.030	0	0	1	6
PL.71144	PL.71413	A	#1/0 ACSR	7.27Y	121.2	0.00	3.79	4.80	2	34	8	97	0.00	0.0	5.736	0.044	0	0	0	5
PL.71410	PL.71144	A	#1/0 ACSR	7.27Y	121.2	0.00	3.79	1.56	1	11	3	96	0.00	0.0	5.821	0.085	8	2	1	2
PL.71411	PL.71410	A	#1/0 ACSR	7.27Y	121.2	0.00	3.79	0.40	0	3	1	95	0.00	0.0	5.842	0.021	3	1	1	1
PL.71408	PL.71144	A	#1/0 ACSR	7.27Y	121.2	0.00	3.79	3.23	1	23	6	97	0.00	0.0	5.771	0.035	16	4	2	3
PL.71409	PL.71408	A	#1/0 ACSR	7.27Y	121.2	0.00	3.79	1.02	0	7	2	96	0.00	0.0	5.795	0.024	7	2	1	1
PL.70914	PL.71598	A	#1/0 ACSR	7.28Y	121.4	0.00	3.62	0.22	0	2	0	100	0.00	0.0	5.294	0.065	2	0	1	1
PL.70984	PL.70913	A	#1/0 ACSR	7.28Y	121.4	0.07	3.64	32.01	14	227	55	97	0.10	0.0	5.233	0.093	7	2	1	50
PL.70915	PL.70984	A	#1/0 ACSR	7.28Y	121.4	0.00	3.64	0.95	0	7	2	96	0.00	0.0	5.357	0.125	0	0	0	1
PL.70936	PL.70915	A	#4 ACSR	7.28Y	121.4	0.00	3.65	0.95	1	7	2	96	0.00	0.0	5.409	0.052	0	0	0	1
PL.70935	PL.70936	A	#4 ACSR	7.28Y	121.4	0.00	3.65	0.95	1	7	2	96	0.00	0.0	5.470	0.061	7	2	1	1
PL.70916	PL.70984	A	#1/0 ACSR	7.28Y	121.3	0.06	3.70	30.03	13	212	52	97	0.09	0.0	5.323	0.090	0	0	0	48
PL.71599	PL.70916	A	6 A (CWC)	7.28Y	121.3	0.00	3.71	14.92	11	105	26	97	0.00	0.0	5.327	0.005	0	0	0	21
PD.10726	PL.71599	A	30T	7.28Y	121.3	0.00	3.71	14.92	0	105	26	97	0.00	0.0	5.327	0.005	0	0	0	21
PL.71600	PD.10726	A	6 A (CWC)	7.27Y	121.2	0.05	3.76	14.92	11	105	26	97	0.04	0.0	5.413	0.086	20	5	4	21
PL.70918	PL.71600	A	#4 ACSR	7.27Y	121.2	0.03	3.79	12.07	9	85	21	97	0.02	0.0	5.476	0.063	8	2	3	17
PL.70919	PL.70918	A	#4 ACSR	7.27Y	121.2	0.02	3.81	11.01	8	78	19	97	0.01	0.0	5.519	0.043	0	0	1	14

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Balanced Voltage Drop Report
Source: Annville

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.71689	PL.70919	A	#4 ACSR	7.27Y	121.2	0.00	3.81	11.01	8	78	19	97	0.00	0.0	5.524	0.005	0	0	0	13
PD.10597-A	PL.71689	A	Closed	7.27Y	121.2	0.00	3.81	11.01	0	78	19	97	0.00	0.0	5.524	0.005	0	0	0	13
PD.10597-B	PD.10597-A	A	Closed	7.27Y	121.2	0.00	3.81	11.01	0	78	19	97	0.00	0.0	5.524	0.005	0	0	0	13
PL.71690	PD.10597-B	A	#4 ACSR	7.27Y	121.2	0.01	3.82	11.01	8	78	19	97	0.01	0.0	5.546	0.022	0	0	0	13
PL.71125	PL.71690	A	#4 ACSR	7.27Y	121.1	0.06	3.89	9.63	7	68	17	97	0.03	0.0	5.692	0.146	0	0	0	12
PL.71050	PL.71125	A	#4 ACSR	7.26Y	121.1	0.05	3.93	9.63	7	68	17	97	0.02	0.0	5.811	0.119	12	3	1	12
PL.71112	PL.71050	A	#4 ACSR	7.26Y	121.0	0.02	3.95	5.28	4	37	9	97	0.01	0.0	5.903	0.091	0	0	0	7
PL.71113	PL.71112	A	#4 ACSR	7.26Y	121.0	0.00	3.96	5.26	4	37	9	97	0.00	0.0	5.919	0.016	0	0	0	5
PL.70922	PL.71113	A	#1/0 ACSR	7.26Y	121.0	0.00	3.96	2.26	1	16	4	97	0.00	0.0	5.954	0.035	16	4	2	2
PL.71603	PL.71113	A	#4 ACSR	7.26Y	121.0	0.00	3.96	3.00	2	21	5	97	0.00	0.0	5.924	0.005	0	0	0	3
PD.10729	PL.71603	A	30T	7.26Y	121.0	0.00	3.96	3.00	0	21	5	97	0.00	0.0	5.924	0.005	0	0	0	3
PL.71604	PD.10729	A	#4 ACSR	7.26Y	121.0	0.01	3.97	3.00	2	21	5	97	0.00	0.0	6.072	0.148	12	3	2	3
PL.70923	PL.71604	A	#1/0 ACSR	7.26Y	121.0	0.00	3.97	1.28	1	9	2	98	0.00	0.0	6.110	0.039	9	2	1	1
PL.70921	PL.71112	A	#1/0 ACSR	7.26Y	121.0	0.00	3.95	0.02	0	0	0	100	0.00	0.0	5.966	0.063	0	0	2	2
PL.71601	PL.71050	A	#4 ACSR	7.26Y	121.1	0.00	3.93	2.67	2	19	5	97	0.00	0.0	5.816	0.005	0	0	0	4
PD.10728	PL.71601	A	30T	7.26Y	121.1	0.00	3.93	2.67	0	19	5	97	0.00	0.0	5.816	0.005	0	0	0	4
PL.71602	PD.10728	A	#4 ACSR	7.26Y	121.1	0.00	3.94	2.67	2	19	5	97	0.00	0.0	5.835	0.020	0	0	1	4
PL.71420	PL.71602	A	#4 ACSR	7.26Y	121.1	0.01	3.95	2.67	2	19	5	97	0.00	0.0	5.940	0.105	7	2	1	3
PL.71418	PL.71420	A	#4 ACSR	7.26Y	121.1	0.00	3.95	1.69	1	12	3	97	0.00	0.0	5.975	0.035	2	0	1	2
PL.71419	PL.71418	A	#4 ACSR	7.26Y	121.1	0.00	3.95	1.43	1	10	2	98	0.00	0.0	6.018	0.043	10	2	1	1
PL.70920	PL.71690	A	#1/0 ACSR	7.27Y	121.2	0.00	3.82	1.37	1	10	2	98	0.00	0.0	5.559	0.013	10	2	1	1
PL.70917	PL.70918	A	#1/0 ACSR	7.27Y	121.2	0.00	3.79	0.00	0	0	0	100	0.00	0.0	5.556	0.081	0	0	0	0
PL.71416	PL.70916	A	#1/0 ACSR	7.28Y	121.3	0.03	3.73	15.11	7	107	26	97	0.02	0.0	5.402	0.079	4	1	1	27
PL.71417	PL.71416	A	#1/0 ACSR	7.27Y	121.2	0.03	3.76	14.50	6	102	25	97	0.02	0.0	5.492	0.090	7	2	2	26
PL.70820	PL.71417	A	6 A (CWC)	7.27Y	121.2	0.00	3.76	2.02	1	14	3	98	0.00	0.0	5.496	0.005	0	0	0	5
PD.10585	PL.70820	A	30T	7.27Y	121.2	0.00	3.76	2.02	0	14	3	98	0.00	0.0	5.496	0.005	0	0	0	5
PL.70821	PD.10585	A	6 A (CWC)	7.27Y	121.2	0.01	3.77	2.02	1	14	3	98	0.00	0.0	5.615	0.119	0	0	0	5
PL.70986	PL.70821	A	6 A (CWC)	7.27Y	121.2	0.01	3.78	2.02	1	14	3	98	0.00	0.0	5.690	0.075	0	0	0	5
PL.70927	PL.70986	A	6 A (CWC)	7.27Y	121.2	0.00	3.78	0.00	0	0	0	100	0.00	0.0	5.764	0.074	0	0	1	1
PL.70928	PL.70986	A	6 A (CWC)	7.27Y	121.2	0.01	3.78	2.02	1	14	3	98	0.00	0.0	5.748	0.058	0	0	1	4
PL.70926	PL.70928	A	6 A (CWC)	7.27Y	121.2	0.01	3.79	2.02	1	14	3	98	0.00	0.0	5.825	0.077	8	2	2	3

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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.70925	PL.70926	A	#1/0 ACSR	7.27Y	121.2	0.00	3.79	0.00	0	0	0	100	0.00	0.0	5.869	0.044	0	0	0	0
PL.70924	PL.70926	A	#1/0 ACSR	7.27Y	121.2	0.00	3.79	0.84	0	6	1	99	0.00	0.0	5.899	0.074	6	1	1	1
PL.71137	PL.71417	A	#1/0 ACSR	7.27Y	121.2	0.00	3.76	11.46	5	81	20	97	0.00	0.0	5.496	0.005	0	0	0	19
PD.10727	PL.71137	A	30T	7.27Y	121.2	0.00	3.76	11.46	0	81	20	97	0.00	0.0	5.496	0.005	0	0	0	19
PL.71414	PD.10727	A	#4 ACSR	7.27Y	121.2	0.00	3.76	1.37	1	10	2	98	0.00	0.0	5.556	0.059	4	1	1	2
PL.71415	PL.71414	A	#4 ACSR	7.27Y	121.2	0.00	3.76	0.85	1	6	1	99	0.00	0.0	5.573	0.017	6	1	1	1
PL.71142	PD.10727	A	#1/0 ACSR	7.27Y	121.2	0.02	3.78	10.09	4	71	17	97	0.01	0.0	5.603	0.106	0	0	0	17
PL.71143	PL.71142	A	#1/0 ACSR	7.27Y	121.2	0.01	3.80	9.28	4	66	16	97	0.01	0.0	5.671	0.068	5	1	1	16
PL.71146	PL.71143	A	#1/0 ACSR	7.27Y	121.2	0.03	3.83	7.90	3	56	14	97	0.01	0.0	5.838	0.167	0	0	0	13
PL.70932	PL.71146	A	#1/0 ACSR	7.27Y	121.2	0.00	3.83	0.19	0	1	0	100	0.00	0.0	5.905	0.067	1	0	1	1
PL.71147	PL.71146	A	#1/0 ACSR	7.27Y	121.2	0.01	3.83	4.42	2	31	8	97	0.00	0.0	5.927	0.090	10	2	1	7
PL.70822	PL.71147	A	6 A (CWC)	7.27Y	121.2	0.00	3.83	1.39	1	10	2	98	0.00	0.0	5.932	0.005	0	0	0	4
PD.10586	PL.70822	A	30T	7.27Y	121.2	0.00	3.83	1.39	0	10	2	98	0.00	0.0	5.932	0.005	0	0	0	4
PL.70823	PD.10586	A	6 A (CWC)	7.27Y	121.2	0.00	3.84	1.39	1	10	2	98	0.00	0.0	5.984	0.052	10	2	4	4
PL.70933	PL.71147	A	6 A (CWC)	7.27Y	121.2	0.01	3.84	1.65	1	12	3	97	0.00	0.0	6.053	0.126	7	2	1	2
PL.70934	PL.70933	A	#2 ACSR	7.27Y	121.2	0.00	3.84	0.72	0	5	1	98	0.00	0.0	6.085	0.032	5	1	1	1
PL.71421	PL.71146	A	#4 ACSR	7.27Y	121.2	0.01	3.84	3.29	3	23	6	97	0.00	0.0	5.943	0.105	18	4	3	5
PL.71422	PL.71421	A	#4 ACSR	7.27Y	121.2	0.00	3.84	0.79	1	6	1	99	0.00	0.0	6.001	0.058	2	1	1	2
PL.71423	PL.71422	A	#4 ACSR	7.27Y	121.2	0.00	3.84	0.44	0	3	1	95	0.00	0.0	6.047	0.047	3	1	1	1
PL.70931	PL.71143	A	#1/0 ACSR	7.27Y	121.2	0.00	3.80	0.70	0	5	1	98	0.00	0.0	5.695	0.024	5	1	2	2
PL.70930	PL.71142	A	#4 ACSR	7.27Y	121.2	0.00	3.78	0.81	1	6	1	99	0.00	0.0	5.626	0.023	6	1	1	1
PL.70929	PL.71142	A	#4 ACSR	7.27Y	121.2	0.00	3.78	0.00	0	0	0	100	0.00	0.0	5.669	0.066	0	0	0	0
PL.71118	PL.71239	ABC	#1/0 ACSR	7.30Y	121.7	0.15	3.26	89.39	39	1875	574	96	1.94	0.1	4.788	0.091	0	0	0	291
PL.71119	PL.71118	ABC	#1/0 ACSR	7.29Y	121.5	0.24	3.51	86.25	37	1806	556	96	3.05	0.2	4.942	0.154	0	0	0	280
PL.71052	PL.71119	ABC	#1/0 ACSR	7.27Y	121.2	0.28	3.78	86.25	37	1803	553	96	3.48	0.2	5.118	0.176	0	0	0	280
PL.71053	PL.71052	ABC	#1/0 ACSR	7.26Y	121.0	0.22	4.00	86.25	37	1800	550	96	2.73	0.2	5.256	0.138	0	0	0	280
PL.70708	PL.71053	ABC	#1/0 ACSR	7.26Y	120.9	0.05	4.05	44.40	19	925	282	96	0.34	0.0	5.321	0.065	0	0	0	119
PL.71691	PL.70708	ABC	#1/0 ACSR	7.26Y	120.9	0.00	4.06	44.40	19	925	282	96	0.02	0.0	5.325	0.005	0	0	0	119
PD.10598-A	PL.71691	ABC	Closed	7.26Y	120.9	0.00	4.06	44.40	0	925	282	96	0.00	0.0	5.325	0.005	0	0	0	119
PD.10598-B	PD.10598-A	ABC	Closed	7.26Y	120.9	0.00	4.06	44.40	0	925	282	96	0.00	0.0	5.325	0.005	0	0	0	119
PL.71692	PD.10598-B	ABC	#1/0 ACSR	7.25Y	120.9	0.03	4.09	44.40	19	925	282	96	0.22	0.0	5.368	0.043	0	0	0	119

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: Annville

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.71488	PL.71692	ABC	#1/0 ACSR	7.25Y	120.9	0.00	4.10	44.40	19	924	282	96	0.02	0.0	5.372	0.004	0	0	0	119
PL.71001	PL.71488	ABC	#1/0 ACSR	7.25Y	120.9	0.03	4.13	44.06	19	917	280	96	0.19	0.0	5.409	0.036	3	1	3	118
PL.70810	PL.71001	A	6 A (CWC)	7.25Y	120.9	0.00	4.13	2.65	2	19	5	97	0.00	0.0	5.413	0.005	0	0	0	3
PD.10578	PL.70810	A	25T	7.25Y	120.9	0.00	4.13	2.65	0	19	5	97	0.00	0.0	5.413	0.005	0	0	0	3
PL.70811	PD.10578	A	6 A (CWC)	7.25Y	120.9	0.01	4.14	2.65	2	19	5	97	0.00	0.0	5.535	0.122	0	0	0	3
PL.70759	PL.70811	A	6 A (CWC)	7.25Y	120.9	0.00	4.14	1.43	1	10	2	98	0.00	0.0	5.604	0.069	10	2	2	2
PL.71237	PL.70811	A	#4 ACSR	7.25Y	120.9	0.00	4.14	1.22	1	9	2	98	0.00	0.0	5.594	0.059	0	0	0	1
PL.71236	PL.71237	A	#4 ACSR	7.25Y	120.9	0.00	4.15	1.22	1	9	2	98	0.00	0.0	5.632	0.038	9	2	1	1
PL.71484	PL.71001	ABC	#1/0 ACSR	7.25Y	120.9	0.00	4.13	42.24	18	878	270	96	0.02	0.0	5.413	0.005	0	0	0	108
PL.71485	PL.71484	ABC	#1/0 ACSR	7.25Y	120.8	0.04	4.17	42.24	18	878	270	96	0.23	0.0	5.462	0.049	0	0	0	108
PL.71235	PL.71485	ABC	#1/0 ACSR	7.25Y	120.8	0.03	4.20	42.24	18	878	270	96	0.18	0.0	5.500	0.038	0	0	0	108
PL.71109	PL.71235	ABC	#1/0 ACSR	7.25Y	120.8	0.01	4.21	42.24	18	878	270	96	0.06	0.0	5.513	0.014	0	0	0	108
PL.71110	PL.71109	ABC	#1/0 ACSR	7.25Y	120.8	0.03	4.24	38.49	17	804	234	96	0.19	0.0	5.561	0.048	0	0	0	107
PL.70758	PL.71110	ABC	#1/0 ACSR	7.24Y	120.7	0.05	4.29	38.49	17	803	234	96	0.28	0.0	5.631	0.070	0	0	0	107
PL.71581	PL.70758	C	1/0 AL URD	7.24Y	120.7	0.00	4.29	0.95	1	7	2	96	0.00	0.0	5.636	0.005	0	0	0	2
PD.10716	PL.71581	C	30T	7.24Y	120.7	0.00	4.29	0.95	0	7	2	96	0.00	0.0	5.636	0.005	0	0	0	2
PL.71582	PD.10716	C	1/0 AL URD	7.24Y	120.7	0.00	4.29	0.95	1	7	2	96	0.00	0.0	5.689	0.054	6	1	1	2
PL.71439	PL.71582	C	1/0 AL URD	7.24Y	120.7	0.00	4.29	0.10	0	1	0	100	0.00	0.0	5.726	0.037	0	0	0	1
PL.71440	PL.71439	C	1/0 AL URD	7.24Y	120.7	0.00	4.29	0.10	0	1	0	100	0.00	0.0	5.862	0.136	1	0	1	1
PL.71289	PL.70758	ABC	#1/0 ACSR	7.24Y	120.7	0.02	4.31	38.17	17	796	232	96	0.11	0.0	5.659	0.028	0	0	0	105
PL.71290	PL.71289	ABC	#1/0 ACSR	7.24Y	120.7	0.04	4.35	38.17	17	796	232	96	0.20	0.0	5.712	0.053	0	0	0	105
PL.71682	PL.71290	ABC	1/0 AL URD	7.24Y	120.7	0.00	4.35	5.55	3	108	53	90	0.00	0.0	5.716	0.005	0	0	0	1
PD.10591	PL.71682	ABC	30T	7.24Y	120.7	0.00	4.35	5.55	0	108	53	90	0.00	0.0	5.716	0.005	0	0	0	1
PL.71683	PD.10591	ABC	1/0 AL URD	7.24Y	120.7	0.00	4.35	5.55	3	108	53	90	0.00	0.0	5.789	0.072	108	53	1	1
PL.71002	PL.71290	ABC	#1/0 ACSR	7.24Y	120.6	0.05	4.39	32.72	14	688	179	97	0.23	0.0	5.793	0.082	10	2	2	104
PL.71517	PL.71002	C	1/0 AL URD	7.24Y	120.6	0.00	4.39	0.96	1	7	2	96	0.00	0.0	5.798	0.005	0	0	0	1
PD.10681	PL.71517	C	30T	7.24Y	120.6	0.00	4.39	0.96	0	7	2	96	0.00	0.0	5.798	0.005	0	0	0	1
PL.71518	PD.10681	C	1/0 AL URD	7.24Y	120.6	0.00	4.39	0.96	1	7	2	96	0.00	0.0	5.860	0.062	7	2	1	1
PL.71003	PL.71002	ABC	#1/0 ACSR	7.23Y	120.6	0.03	4.43	31.91	14	670	175	97	0.16	0.0	5.851	0.057	0	0	0	101
PL.70782	PL.71003	ABC	#1/0 ACSR	7.23Y	120.5	0.07	4.50	30.68	13	644	168	97	0.33	0.1	5.982	0.132	0	0	0	98
PL.71054	PL.70782	ABC	#1/0 ACSR	7.23Y	120.4	0.05	4.55	30.68	13	644	168	97	0.25	0.0	6.080	0.098	0	0	0	98

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Balanced Voltage Drop Report
Source: Annville

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.70783	PL.71054	ABC	#1/0 ACSR	7.23Y	120.4	0.01	4.56	11.65	5	243	69	96	0.01	0.0	6.113	0.033	42	20	1	28
PL.71092	PL.70783	A	#1/0 ACSR	7.23Y	120.4	0.01	4.57	28.65	12	201	49	97	0.02	0.0	6.131	0.017	0	0	0	27
PL.71094	PL.71092	A	#1/0 ACSR	7.23Y	120.4	0.00	4.57	21.77	9	153	37	97	0.00	0.0	6.135	0.005	0	0	0	23
PD.10682	PL.71094	A	30T	7.23Y	120.4	0.00	4.57	21.77	0	153	37	97	0.00	0.0	6.135	0.005	0	0	0	23
PL.71095	PD.10682	A	#1/0 ACSR	7.23Y	120.4	0.00	4.57	0.69	0	5	1	98	0.00	0.0	6.149	0.013	5	1	1	1
PL.71093	PD.10682	A	#1/0 ACSR	7.22Y	120.4	0.02	4.59	21.09	9	148	36	97	0.02	0.0	6.178	0.042	8	2	1	22
PL.71291	PL.71093	A	#1/0 ACSR	7.22Y	120.4	0.03	4.62	19.92	9	140	34	97	0.02	0.0	6.234	0.057	0	0	1	21
PL.70785	PL.71291	A	#4 ACSR	7.22Y	120.3	0.06	4.68	19.92	15	140	34	97	0.06	0.0	6.306	0.072	14	4	2	20
PL.71098	PL.70785	A	6 A (CWC)	7.22Y	120.3	0.03	4.71	17.87	13	125	31	97	0.03	0.0	6.342	0.036	0	0	0	18
PL.70786	PL.71098	A	#2 ACSR	7.22Y	120.3	0.00	4.71	1.15	1	8	2	97	0.00	0.0	6.426	0.084	8	2	1	1
PL.71099	PL.71098	A	6 A (CWC)	7.22Y	120.3	0.04	4.75	16.72	12	117	29	97	0.04	0.0	6.402	0.061	15	4	3	17
PL.71100	PL.71099	A	6 A (CWC)	7.21Y	120.2	0.04	4.79	11.47	8	80	20	97	0.02	0.0	6.499	0.096	32	8	4	11
PL.71519	PL.71100	A	6 A (CWC)	7.21Y	120.2	0.00	4.79	6.85	5	48	12	97	0.00	0.0	6.503	0.005	0	0	0	7
PD.10683	PL.71519	A	30T	7.21Y	120.2	0.00	4.79	6.85	0	48	12	97	0.00	0.0	6.503	0.005	0	0	0	7
PL.71520	PD.10683	A	6 A (CWC)	7.21Y	120.2	0.04	4.83	6.85	5	48	12	97	0.02	0.0	6.645	0.142	0	0	0	7
PL.70789	PL.71520	A	6 A (CWC)	7.21Y	120.1	0.07	4.90	6.85	5	48	12	97	0.03	0.1	6.872	0.227	0	0	0	7
PL.71055	PL.70789	A	#4 ACSR	7.20Y	120.1	0.03	4.93	3.30	3	23	6	97	0.00	0.0	7.061	0.189	0	0	0	2
PL.70870	PL.71055	A	#4 ACSR	7.20Y	120.1	0.01	4.94	3.30	3	23	6	97	0.00	0.0	7.150	0.089	11	3	1	2
PL.70871	PL.70870	A	#4 ACSR	7.20Y	120.1	0.00	4.94	1.70	1	12	3	97	0.00	0.0	7.208	0.057	12	3	1	1
PL.70872	PL.70789	A	6 A (CWC)	7.20Y	120.1	0.03	4.93	3.54	3	25	6	97	0.00	0.0	7.033	0.160	0	0	0	5
PL.71296	PL.70872	A	#4 ACSR	7.20Y	120.1	0.00	4.93	3.54	3	25	6	97	0.00	0.0	7.052	0.020	0	0	1	5
PL.71298	PL.71296	A	#4 ACSR	7.20Y	120.1	0.01	4.94	3.51	3	25	6	97	0.00	0.0	7.092	0.040	8	2	2	4
PL.71297	PL.71298	A	#4 ACSR	7.20Y	120.1	0.00	4.94	2.35	2	16	4	97	0.00	0.0	7.161	0.069	16	4	2	2
PL.70787	PL.71099	A	6 A (CWC)	7.21Y	120.2	0.01	4.76	3.15	2	22	5	98	0.00	0.0	6.476	0.073	15	4	2	3
PL.70788	PL.70787	A	#1/0 ACSR	7.21Y	120.2	0.00	4.76	1.03	0	7	2	96	0.00	0.0	6.560	0.084	7	2	1	1
PL.71091	PL.71092	A	#1/0 ACSR	7.23Y	120.4	0.00	4.57	6.88	3	48	12	97	0.00	0.0	6.135	0.005	0	0	0	4
PD.10581	PL.71091	A	30T	7.23Y	120.4	0.00	4.57	6.88	0	48	12	97	0.00	0.0	6.135	0.005	0	0	0	4
PL.71284	PD.10581	A	#1/0 ACSR	7.23Y	120.4	0.00	4.57	1.43	1	10	2	98	0.00	0.0	6.189	0.054	6	1	1	2
PL.71285	PL.71284	A	#1/0 ACSR	7.23Y	120.4	0.00	4.57	0.62	0	4	1	97	0.00	0.0	6.220	0.030	4	1	1	1
PL.70784	PD.10581	A	#1/0 ACSR	7.23Y	120.4	0.00	4.57	5.45	2	38	9	97	0.00	0.0	6.154	0.019	38	9	2	2
PL.71004	PL.71054	ABC	#1/0 ACSR	7.23Y	120.4	0.03	4.58	19.03	8	401	98	97	0.07	0.0	6.155	0.075	0	0	0	70

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Balanced Voltage Drop Report
Source: Annville

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.71511	PL.71004	B	#1/0 ACSR	7.23Y	120.4	0.00	4.58	35.17	15	247	60	97	0.01	0.0	6.160	0.005	0	0	0	40
PD.10679	PL.71511	B	30T	7.23Y	120.4	0.00	4.58	35.17	0	247	60	97	0.00	0.0	6.160	0.005	0	0	0	40
PL.71512	PD.10679	B	#1/0 ACSR	7.22Y	120.4	0.04	4.62	35.17	15	247	60	97	0.07	0.0	6.214	0.054	0	0	0	40
PL.71085	PL.71512	B	#1/0 ACSR	7.22Y	120.3	0.05	4.68	34.04	15	239	58	97	0.09	0.0	6.284	0.070	0	0	0	39
PL.70844	PL.71085	B	#1/0 ACSR	7.22Y	120.3	0.00	4.68	1.11	0	8	2	97	0.00	0.0	6.309	0.025	8	2	1	1
PL.71282	PL.71085	B	#1/0 ACSR	7.22Y	120.3	0.04	4.71	32.92	14	231	56	97	0.06	0.0	6.333	0.050	4	1	1	38
PL.71283	PL.71282	B	#1/0 ACSR	7.22Y	120.3	0.03	4.75	32.39	14	227	55	97	0.05	0.0	6.380	0.046	15	4	3	37
PL.71087	PL.71283	B	#1/0 ACSR	7.21Y	120.2	0.04	4.79	26.83	12	188	46	97	0.05	0.0	6.446	0.066	0	0	0	31
PL.71089	PL.71087	B	#1/0 ACSR	7.21Y	120.2	0.00	4.79	3.75	2	26	6	97	0.00	0.0	6.486	0.041	10	2	2	5
PL.70846	PL.71089	B	#1/0 ACSR	7.21Y	120.2	0.00	4.79	1.11	0	8	2	97	0.00	0.0	6.525	0.039	8	2	1	1
PL.71090	PL.71089	B	#1/0 ACSR	7.21Y	120.2	0.00	4.79	1.28	1	9	2	98	0.00	0.0	6.526	0.039	9	2	2	2
PL.70845	PL.71087	B	#1/0 ACSR	7.21Y	120.2	0.04	4.83	23.08	10	162	39	97	0.05	0.0	6.527	0.081	0	0	0	26
PL.71083	PL.70845	B	#1/0 ACSR	7.21Y	120.2	0.00	4.83	3.17	1	22	5	98	0.00	0.0	6.560	0.033	8	2	1	3
PL.70847	PL.71083	B	#4 ACSR	7.21Y	120.2	0.00	4.83	1.00	1	7	2	96	0.00	0.0	6.578	0.018	7	2	1	1
PL.71082	PL.71083	B	#1/0 ACSR	7.21Y	120.2	0.00	4.83	1.04	0	7	2	96	0.00	0.0	6.633	0.073	7	2	1	1
PL.71005	PL.70845	B	#1/0 ACSR	7.21Y	120.1	0.02	4.85	19.90	9	139	34	97	0.02	0.0	6.580	0.053	0	0	0	23
PL.70848	PL.71005	B	#4 ACSR	7.21Y	120.1	0.02	4.87	10.67	8	75	18	97	0.01	0.0	6.622	0.042	10	2	2	12
PL.70849	PL.70848	B	#1/0 ACSR	7.21Y	120.1	0.00	4.87	1.01	0	7	2	96	0.00	0.0	6.735	0.113	0	0	0	1
PL.71056	PL.70849	B	#1/0 ACSR	7.21Y	120.1	0.00	4.88	1.01	0	7	2	96	0.00	0.0	6.818	0.083	7	2	1	1
PL.71084	PL.70848	B	#4 ACSR	7.21Y	120.1	0.02	4.89	8.24	6	58	14	97	0.01	0.0	6.671	0.049	6	1	1	9
PL.71224	PL.71084	B	#4 ACSR	7.21Y	120.1	0.01	4.90	6.85	5	48	12	97	0.00	0.0	6.722	0.051	8	2	1	7
PL.71225	PL.71224	B	#4 ACSR	7.21Y	120.1	0.01	4.91	5.73	4	40	10	97	0.00	0.0	6.753	0.031	15	4	2	6
PL.71086	PL.71225	B	#4 ACSR	7.21Y	120.1	0.01	4.92	2.21	2	15	4	97	0.00	0.0	6.831	0.078	7	2	2	3
PL.70853	PL.71086	B	#1/0 ACSR	7.20Y	120.1	0.00	4.92	1.24	1	9	2	98	0.00	0.0	6.901	0.070	9	2	1	1
PL.70852	PL.71225	B	#1/0 ACSR	7.21Y	120.1	0.00	4.91	1.32	1	9	2	98	0.00	0.0	6.773	0.020	9	2	1	1
PL.70851	PL.71084	B	#1/0 ACSR	7.21Y	120.1	0.00	4.89	0.56	0	4	1	97	0.00	0.0	6.688	0.017	4	1	1	1
PL.70850	PL.71005	B	#4 ACSR	7.21Y	120.1	0.01	4.87	9.23	7	65	16	97	0.01	0.0	6.616	0.036	7	2	1	11
PL.71088	PL.70850	B	6 A (CWC)	7.21Y	120.1	0.00	4.87	1.77	1	12	3	97	0.00	0.0	6.655	0.039	12	3	3	3
PL.71226	PL.70850	B	6 A (CWC)	7.21Y	120.1	0.01	4.88	6.44	5	45	11	97	0.00	0.0	6.650	0.033	11	3	2	7
PL.71227	PL.71226	B	6 A (CWC)	7.21Y	120.1	0.01	4.89	4.83	3	34	8	97	0.00	0.0	6.696	0.046	10	2	1	5
PL.71228	PL.71227	B	6 A (CWC)	7.21Y	120.1	0.01	4.89	3.47	2	24	6	97	0.00	0.0	6.744	0.048	12	3	3	4

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Balanced Voltage Drop Report
Source: Annville

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.71229	PL.71228	B	6 A (CWC)	7.21Y	120.1	0.00	4.89	1.81	1	13	3	97	0.00	0.0	6.768	0.024	0	0	0	1
PL.70854	PL.71229	B	#1/0 ACSR	7.21Y	120.1	0.00	4.89	1.81	1	13	3	97	0.00	0.0	6.813	0.045	13	3	1	1
PL.71281	PL.71283	B	#1/0 ACSR	7.22Y	120.3	0.00	4.75	3.43	1	24	6	97	0.00	0.0	6.418	0.038	8	2	1	3
PL.71280	PL.71281	B	#1/0 ACSR	7.22Y	120.3	0.00	4.75	2.32	1	16	4	97	0.00	0.0	6.434	0.016	16	4	2	2
PL.70790	PL.71512	B	#1/0 ACSR	7.22Y	120.4	0.00	4.62	1.13	0	8	2	97	0.00	0.0	6.240	0.026	8	2	1	1
PL.71513	PL.71004	ABC	#1/0 ACSR	7.23Y	120.4	0.00	4.58	7.31	3	154	38	97	0.00	0.0	6.160	0.005	0	0	0	30
PL.71514	PL.71513	ABC	#1/0 ACSR	7.22Y	120.4	0.01	4.58	7.31	3	154	38	97	0.01	0.0	6.211	0.051	0	0	0	30
PL.70843	PL.71514	ABC	#1/0 ACSR	7.22Y	120.4	0.01	4.59	7.31	3	154	38	97	0.01	0.0	6.269	0.059	0	0	0	30
PL.71006	PL.70843	ABC	#1/0 ACSR	7.22Y	120.4	0.01	4.60	7.15	3	150	37	97	0.01	0.0	6.336	0.067	8	2	1	29
PL.70818	PL.71006	C	#4 ACSR	7.22Y	120.4	0.00	4.60	18.66	14	131	32	97	0.00	0.0	6.341	0.005	0	0	0	25
PD.10583	PL.70818	C	30T	7.22Y	120.4	0.00	4.60	18.66	0	131	32	97	0.00	0.0	6.341	0.005	0	0	0	25
PL.70819	PD.10583	C	#4 ACSR	7.22Y	120.4	0.04	4.64	18.66	14	131	32	97	0.04	0.0	6.387	0.046	0	0	0	25
PL.70857	PL.70819	C	6 A (CWC)	7.22Y	120.4	0.01	4.65	3.65	3	26	6	97	0.00	0.0	6.420	0.033	4	1	3	9
PL.70858	PL.70857	C	#4 ACSR	7.22Y	120.4	0.00	4.65	0.00	0	0	0	100	0.00	0.0	6.459	0.039	0	0	1	1
PL.71286	PL.70857	C	6 A (CWC)	7.22Y	120.4	0.00	4.65	1.02	1	7	2	96	0.00	0.0	6.485	0.065	7	2	1	2
PL.71287	PL.71286	C	6 A (CWC)	7.22Y	120.4	0.00	4.65	0.04	0	0	0	100	0.00	0.0	6.557	0.071	0	0	1	1
PL.70855	PL.70857	C	#4 ACSR	7.22Y	120.3	0.01	4.65	2.04	2	14	3	98	0.00	0.0	6.491	0.071	5	1	2	3
PL.70856	PL.70855	C	#1/0 ACSR	7.22Y	120.3	0.00	4.65	1.32	1	9	2	98	0.00	0.0	6.582	0.090	9	2	1	1
PL.70859	PL.70819	C	6 A (CWC)	7.22Y	120.3	0.06	4.70	15.00	11	105	26	97	0.05	0.0	6.471	0.084	0	0	0	16
PL.71007	PL.70859	C	6 A (CWC)	7.22Y	120.3	0.05	4.75	12.73	9	89	22	97	0.03	0.0	6.557	0.086	0	0	0	14
PL.70863	PL.71007	C	6 A (CWC)	7.21Y	120.2	0.05	4.80	12.73	9	89	22	97	0.04	0.0	6.646	0.090	0	0	0	14
PL.71008	PL.70863	C	6 A (CWC)	7.21Y	120.2	0.05	4.85	11.06	8	77	19	97	0.03	0.0	6.740	0.094	0	0	1	13
PL.71009	PL.71008	C	6 A (CWC)	7.21Y	120.1	0.04	4.88	9.09	6	64	16	97	0.02	0.0	6.827	0.086	0	0	0	11
PL.70866	PL.71009	C	#4 ACSR	7.21Y	120.1	0.01	4.90	5.18	4	36	9	97	0.00	0.0	6.891	0.064	10	2	1	7
PL.71011	PL.70866	C	#4 ACSR	7.21Y	120.1	0.00	4.90	0.01	0	0	0	100	0.00	0.0	6.964	0.073	0	0	1	1
PL.70867	PL.70866	C	#4 ACSR	7.21Y	120.1	0.01	4.90	3.78	3	26	6	97	0.00	0.0	6.967	0.076	26	6	5	5
PL.71010	PL.71009	C	6 A (CWC)	7.21Y	120.1	0.02	4.90	3.90	3	27	7	97	0.00	0.0	6.966	0.139	9	2	1	4
PL.71507	PL.71010	C	6 A (CWC)	7.21Y	120.1	0.00	4.90	2.69	2	19	5	97	0.00	0.0	6.971	0.005	0	0	0	3
PD.10677	PL.71507	C	30T	7.21Y	120.1	0.00	4.90	2.69	0	19	5	97	0.00	0.0	6.971	0.005	0	0	0	3
PL.71508	PD.10677	C	6 A (CWC)	7.21Y	120.1	0.01	4.91	2.69	2	19	5	97	0.00	0.0	7.033	0.062	0	0	0	3
PL.71012	PL.71508	C	6 A (CWC)	7.20Y	120.1	0.02	4.93	2.69	2	19	5	97	0.00	0.0	7.167	0.134	0	0	0	3

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Balanced Voltage Drop Report
Source: Annville

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.71059	PL.71012	C	6 A (CWC)	7.20Y	120.1	0.02	4.95	2.69	2	19	5	97	0.00	0.0	7.318	0.152	0	0	0	3
PL.71076	PL.71059	C	6 A (CWC)	7.20Y	120.0	0.01	4.96	2.69	2	19	5	97	0.00	0.0	7.417	0.099	0	0	0	3
PL.71060	PL.71076	C	6 A (CWC)	7.20Y	120.0	0.02	4.98	2.69	2	19	5	97	0.00	0.0	7.557	0.140	0	0	0	3
PL.71276	PL.71060	C	6 A (CWC)	7.20Y	120.0	0.03	5.00	2.69	2	19	5	97	0.00	0.0	7.807	0.249	2	0	1	3
PL.71277	PL.71276	C	6 A (CWC)	7.20Y	120.0	0.01	5.01	2.41	2	17	4	97	0.00	0.0	7.946	0.139	11	3	1	2
PL.70868	PL.71277	C	#4 ACSR	7.20Y	120.0	0.00	5.02	0.89	1	6	2	95	0.00	0.0	8.039	0.093	0	0	0	1
PL.71061	PL.70868	C	#4 ACSR	7.20Y	120.0	0.01	5.03	0.89	1	6	2	95	0.00	0.0	8.224	0.185	0	0	0	1
PL.70957	PL.71061	C	#4 ACSR	7.20Y	120.0	0.01	5.03	0.89	1	6	2	95	0.00	0.0	8.354	0.129	0	0	0	1
PL.71278	PL.70957	C	#4 ACSR	7.20Y	120.0	0.00	5.03	0.89	1	6	2	95	0.00	0.0	8.403	0.049	6	2	1	1
PL.71279	PL.71278	C	#4 ACSR	7.20Y	120.0	0.00	5.03	0.00	0	0	0	100	0.00	0.0	8.458	0.054	0	0	0	0
PL.70958	PL.71279	C	#4 ACSR	7.20Y	120.0	0.00	5.03	0.00	0	0	0	100	0.00	0.0	8.614	0.157	0	0	0	0
PL.71062	PL.70958	C	#4 ACSR	7.20Y	120.0	0.00	5.03	0.00	0	0	0	100	0.00	0.0	8.783	0.169	0	0	0	0
PL.70869	PL.71062	C	#4 ACSR	7.20Y	120.0	0.00	5.03	0.00	0	0	0	100	0.00	0.0	8.913	0.130	0	0	0	0
PL.71063	PL.70869	C	#4 ACSR	7.20Y	120.0	0.00	5.03	0.00	0	0	0	100	0.00	0.0	8.998	0.085	0	0	0	0
PL.70865	PL.71008	C	6 A (CWC)	7.21Y	120.2	0.00	4.85	1.91	1	13	3	97	0.00	0.0	6.778	0.038	13	3	1	1
PL.70864	PL.70863	C	#4 ACSR	7.21Y	120.2	0.00	4.80	1.67	1	12	3	97	0.00	0.0	6.720	0.074	12	3	1	1
PL.70860	PL.70859	C	6 A (CWC)	7.22Y	120.3	0.00	4.70	2.28	2	16	4	97	0.00	0.0	6.528	0.057	12	3	1	2
PL.70861	PL.70860	C	#2 ACSR	7.22Y	120.3	0.00	4.70	0.00	0	0	0	100	0.00	0.0	6.582	0.054	0	0	0	0
PL.70862	PL.70860	C	#4 ACSR	7.22Y	120.3	0.00	4.71	0.57	0	4	1	97	0.00	0.0	6.688	0.160	0	0	0	1
PL.71057	PL.70862	C	#4 ACSR	7.22Y	120.3	0.00	4.71	0.57	0	4	1	97	0.00	0.0	6.823	0.136	0	0	0	1
PL.71058	PL.71057	C	#4 ACSR	7.22Y	120.3	0.00	4.71	0.57	0	4	1	97	0.00	0.0	6.976	0.153	4	1	1	1
PL.70816	PL.71006	A	#1/0 ACSR	7.22Y	120.4	0.00	4.60	1.62	1	11	3	96	0.00	0.0	6.341	0.005	0	0	0	3
PD.10582	PL.70816	A	30T	7.22Y	120.4	0.00	4.60	1.62	0	11	3	96	0.00	0.0	6.341	0.005	0	0	0	3
PL.70817	PD.10582	A	#1/0 ACSR	7.22Y	120.4	0.00	4.60	1.62	1	11	3	96	0.00	0.0	6.377	0.036	11	3	3	3
PL.71509	PL.70843	B	#4 ACSR	7.22Y	120.4	0.00	4.59	0.49	0	3	1	95	0.00	0.0	6.274	0.005	0	0	0	1
PD.10678	PL.71509	B	30T	7.22Y	120.4	0.00	4.59	0.49	0	3	1	95	0.00	0.0	6.274	0.005	0	0	0	1
PL.71510	PD.10678	B	#4 ACSR	7.22Y	120.4	0.00	4.59	0.49	0	3	1	95	0.00	0.0	6.297	0.023	3	1	1	1
PL.71515	PL.71003	B	#1/0 ACSR	7.23Y	120.6	0.00	4.43	1.58	1	11	3	96	0.00	0.0	5.855	0.005	0	0	0	1
PD.10680	PL.71515	B	30T	7.23Y	120.6	0.00	4.43	1.58	0	11	3	96	0.00	0.0	5.855	0.005	0	0	0	1
PL.71516	PD.10680	B	#1/0 ACSR	7.23Y	120.6	0.00	4.43	1.58	1	11	3	96	0.00	0.0	5.909	0.054	11	3	1	1
PL.70814	PL.71003	A	#1/0 ACSR	7.23Y	120.6	0.00	4.43	2.14	1	15	4	97	0.00	0.0	5.855	0.005	0	0	0	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
PD.10580	PL.70814	A	30T	7.23Y	120.6	0.00	4.43	2.14	0	15	4	97	0.00	0.0	5.855	0.005	0	0	0	2
PL.70815	PD.10580	A	#1/0 ACSR	7.23Y	120.6	0.00	4.43	2.14	1	15	4	97	0.00	0.0	5.964	0.108	15	4	1	2
PL.71288	PL.70815	A	#1/0 ACSR	7.23Y	120.6	0.00	4.43	0.00	0	0	0	100	0.00	0.0	5.999	0.036	0	0	1	1
PL.71680	PL.71109	ABC	350 MCM AL	7.25Y	120.8	0.00	4.21	3.79	1	74	36	90	0.00	0.0	5.518	0.005	0	0	0	1
PD.10590	PL.71680	ABC	30T	7.25Y	120.8	0.00	4.21	3.79	0	74	36	90	0.00	0.0	5.518	0.005	0	0	0	1
PL.71681	PD.10590	ABC	350 MCM AL	7.25Y	120.8	0.00	4.21	3.79	1	74	36	90	0.00	0.0	5.527	0.009	74	36	1	1
PL.71482	PL.71001	B	#4 ACSR	7.25Y	120.9	0.00	4.13	2.35	2	17	4	97	0.00	0.0	5.413	0.005	0	0	0	4
PD.10665	PL.71482	B	30T	7.25Y	120.9	0.00	4.13	2.35	0	17	4	97	0.00	0.0	5.413	0.005	0	0	0	4
PL.71483	PD.10665	B	#4 ACSR	7.25Y	120.9	0.01	4.13	2.35	2	17	4	97	0.00	0.0	5.489	0.076	0	0	0	4
PL.71108	PL.71483	B	#4 ACSR	7.25Y	120.9	0.00	4.14	2.35	2	17	4	97	0.00	0.0	5.526	0.037	0	0	1	4
PL.70757	PL.71108	B	#1/0 ACSR	7.25Y	120.9	0.00	4.14	1.51	1	11	3	96	0.00	0.0	5.627	0.101	11	3	1	1
PL.71103	PL.71108	B	#4 ACSR	7.25Y	120.9	0.00	4.14	0.84	1	6	1	99	0.00	0.0	5.558	0.032	6	1	2	2
PL.70756	PL.71483	B	#4 ACSR	7.25Y	120.9	0.00	4.13	0.00	0	0	0	100	0.00	0.0	5.503	0.014	0	0	0	0
PL.71486	PL.71488	A	#1/0 ACSR	7.25Y	120.9	0.00	4.10	1.00	0	7	2	96	0.00	0.0	5.377	0.005	0	0	0	1
PD.10666	PL.71486	A	30T	7.25Y	120.9	0.00	4.10	1.00	0	7	2	96	0.00	0.0	5.377	0.005	0	0	0	1
PL.71487	PD.10666	A	#1/0 ACSR	7.25Y	120.9	0.00	4.10	1.00	0	7	2	96	0.00	0.0	5.426	0.049	7	2	1	1
PL.71703	PL.71053	ABC	#1/0 ACSR	7.26Y	121.0	0.02	4.02	41.85	18	872	265	96	0.12	0.0	5.282	0.027	0	0	0	161
PD.10604	PL.71703	ABC	70L	7.26Y	121.0	0.00	4.02	41.85	60	872	265	96	0.00	0.0	5.282	0.027	0	0	0	161
PL.71704	PD.10604	ABC	#1/0 ACSR	7.26Y	121.0	0.02	4.05	41.85	18	872	265	96	0.15	0.0	5.314	0.032	0	0	0	161
PL.71479	PL.71704	ABC	#1/0 ACSR	7.26Y	120.9	0.00	4.05	41.85	18	872	265	96	0.02	0.0	5.319	0.004	3	1	1	161
PL.71480	PL.71479	C	#4 ACSR	7.26Y	120.9	0.00	4.05	15.99	12	113	27	97	0.00	0.0	5.324	0.005	0	0	0	19
PD.10664	PL.71480	C	15T	7.26Y	120.9	0.00	4.05	15.99	0	113	27	97	0.00	0.0	5.324	0.005	0	0	0	19
PL.71481	PD.10664	C	#4 ACSR	7.26Y	120.9	0.02	4.07	15.99	12	113	27	97	0.02	0.0	5.353	0.029	12	3	3	19
PL.71234	PL.71481	C	#4 ACSR	7.25Y	120.9	0.03	4.11	14.26	11	101	24	97	0.02	0.0	5.412	0.060	27	7	4	16
PL.71111	PL.71234	C	#4 ACSR	7.25Y	120.9	0.01	4.12	10.43	8	74	18	97	0.01	0.0	5.441	0.028	9	2	1	11
PL.71232	PL.71111	C	#4 ACSR	7.25Y	120.9	0.02	4.13	9.19	7	65	16	97	0.01	0.0	5.483	0.043	13	3	2	10
PL.71233	PL.71232	C	#4 ACSR	7.25Y	120.9	0.02	4.15	7.31	6	52	13	97	0.01	0.0	5.537	0.054	8	2	1	8
PL.71107	PL.71233	C	#4 ACSR	7.25Y	120.8	0.01	4.16	6.12	5	43	11	97	0.00	0.0	5.571	0.034	0	0	0	7
PL.70712	PL.71107	C	#4 ACSR	7.25Y	120.8	0.00	4.16	1.36	1	10	2	98	0.00	0.0	5.589	0.017	10	2	2	2
PL.71222	PL.71107	C	#4 ACSR	7.25Y	120.8	0.01	4.17	4.76	4	34	8	97	0.00	0.0	5.609	0.038	8	2	1	5
PL.71223	PL.71222	C	#4 ACSR	7.25Y	120.8	0.00	4.17	3.64	3	26	6	97	0.00	0.0	5.655	0.046	21	5	2	4

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Balanced Voltage Drop Report
Source: Annville

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.71221	PL.71223	C	#4 ACSR	7.25Y	120.8	0.00	4.17	0.70	1	5	1	98	0.00	0.0	5.694	0.039	0	0	0	2
PL.70713	PL.71221	C	#4 ACSR	7.25Y	120.8	0.00	4.17	0.70	1	5	1	98	0.00	0.0	5.786	0.092	5	1	2	2
PL.70711	PL.71233	C	#4 ACSR	7.25Y	120.9	0.00	4.15	0.00	0	0	0	100	0.00	0.0	5.560	0.023	0	0	0	0
PL.70710	PL.71234	C	#2 ACSR	7.25Y	120.9	0.00	4.11	0.00	0	0	0	100	0.00	0.0	5.458	0.046	0	0	1	1
PL.70709	PL.71479	ABC	#1/0 ACSR	7.26Y	120.9	0.02	4.07	36.39	16	756	237	95	0.11	0.0	5.351	0.032	0	0	0	141
PL.71230	PL.70709	ABC	#1/0 ACSR	7.25Y	120.9	0.03	4.11	36.39	16	756	237	95	0.18	0.0	5.402	0.052	28	7	10	141
PL.71231	PL.71230	ABC	#1/0 ACSR	7.25Y	120.9	0.02	4.13	35.10	15	728	230	95	0.10	0.0	5.434	0.031	0	0	0	131
PL.71477	PL.71231	A	#1/0 ACSR	7.25Y	120.9	0.00	4.13	1.12	0	8	2	97	0.00	0.0	5.438	0.005	0	0	0	1
PD.10663	PL.71477	A	15T	7.25Y	120.9	0.00	4.13	1.12	0	8	2	97	0.00	0.0	5.438	0.005	0	0	0	1
PL.71478	PD.10663	A	#1/0 ACSR	7.25Y	120.9	0.00	4.13	1.12	0	8	2	97	0.00	0.0	5.452	0.013	8	2	1	1
PL.70987	PL.71231	ABC	#1/0 ACSR	7.25Y	120.8	0.05	4.17	34.72	15	720	228	95	0.24	0.0	5.508	0.075	10	3	1	130
PL.70714	PL.70987	ABC	#1/0 ACSR	7.25Y	120.8	0.07	4.24	34.23	15	710	225	95	0.34	0.0	5.619	0.110	0	0	0	129
PL.71473	PL.70714	ABC	#1/0 ACSR	7.24Y	120.7	0.03	4.27	34.23	15	709	225	95	0.15	0.0	5.668	0.050	0	0	0	129
PL.71474	PL.71473	ABC	#1/0 ACSR	7.24Y	120.7	0.00	4.28	34.23	15	709	225	95	0.01	0.0	5.673	0.004	0	0	0	129
PL.71475	PL.71474	C	#1/0 ACSR	7.24Y	120.7	0.00	4.28	0.58	0	4	1	97	0.00	0.0	5.677	0.005	0	0	0	1
PD.10662	PL.71475	C	15T	7.24Y	120.7	0.00	4.28	0.58	0	4	1	97	0.00	0.0	5.677	0.005	0	0	0	1
PL.71476	PD.10662	C	#1/0 ACSR	7.24Y	120.7	0.00	4.28	0.58	0	4	1	97	0.00	0.0	5.698	0.021	4	1	1	1
PL.70988	PL.71474	ABC	#1/0 ACSR	7.24Y	120.6	0.07	4.35	34.04	15	705	224	95	0.36	0.1	5.790	0.117	0	0	0	128
PL.71064	PL.70988	ABC	#1/0 ACSR	7.23Y	120.6	0.09	4.44	34.04	15	705	223	95	0.45	0.1	5.937	0.147	0	0	0	128
PL.71217	PL.71064	ABC	#1/0 ACSR	7.23Y	120.5	0.06	4.50	34.04	15	704	223	95	0.31	0.0	6.037	0.100	2	1	1	128
PL.71218	PL.71217	ABC	#1/0 ACSR	7.23Y	120.4	0.05	4.55	33.94	15	702	222	95	0.25	0.0	6.118	0.081	0	0	0	127
PL.70989	PL.71218	ABC	#1/0 ACSR	7.23Y	120.4	0.02	4.58	33.94	15	702	222	95	0.10	0.0	6.150	0.033	0	0	0	127
PL.71214	PL.70989	ABC	#1/0 ACSR	7.22Y	120.4	0.02	4.60	33.94	15	702	222	95	0.11	0.0	6.188	0.037	5	1	1	127
PL.71215	PL.71214	ABC	#1/0 ACSR	7.22Y	120.4	0.03	4.63	33.71	15	697	220	95	0.14	0.0	6.234	0.046	3	1	1	126
PL.71216	PL.71215	ABC	#1/0 ACSR	7.22Y	120.3	0.04	4.66	33.58	15	694	220	95	0.18	0.0	6.293	0.060	1	0	1	125
PL.70990	PL.71216	ABC	#1/0 ACSR	7.22Y	120.3	0.04	4.70	32.67	14	674	215	95	0.17	0.0	6.354	0.061	0	0	0	120
PL.70991	PL.70990	ABC	#1/0 ACSR	7.22Y	120.3	0.04	4.74	30.21	13	622	202	95	0.17	0.0	6.426	0.072	18	4	4	113
PL.71207	PL.70991	ABC	#1/0 ACSR	7.21Y	120.2	0.05	4.79	29.11	13	599	196	95	0.21	0.0	6.519	0.093	3	1	1	104
PL.71208	PL.71207	ABC	#1/0 ACSR	7.21Y	120.2	0.02	4.81	28.99	13	596	195	95	0.07	0.0	6.551	0.032	0	0	0	103
PL.70718	PL.71208	ABC	#1/0 ACSR	7.21Y	120.2	0.02	4.83	28.99	13	596	195	95	0.08	0.0	6.586	0.036	3	1	1	103
PL.70806	PL.70718	A	6 A (CWC)	7.21Y	120.2	0.00	4.83	22.44	16	157	39	97	0.01	0.0	6.591	0.005	0	0	0	37

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Balanced Voltage Drop Report
Source: Annville

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.10576	PL.70806	A	15T	7.21Y	120.2	0.00	4.83	22.44	0	157	39	97	0.00	0.0	6.591	0.005	0	0	0	37
PL.70807	PD.10576	A	6 A (CWC)	7.20Y	120.0	0.13	4.97	22.44	16	157	39	97	0.16	0.1	6.723	0.132	0	0	0	37
PL.70719	PL.70807	A	6 A (CWC)	7.19Y	119.9	0.17	5.13	22.44	16	157	38	97	0.20	0.1	6.886	0.163	0	0	0	37
PL.71067	PL.70719	A	6 A (CWC)	7.19Y	119.8	0.09	5.22	22.44	16	157	38	97	0.11	0.1	6.979	0.093	13	3	3	37
PL.70743	PL.71067	A	6 A (CWC)	7.18Y	119.7	0.07	5.29	20.56	15	144	35	97	0.07	0.1	7.053	0.075	5	1	1	34
PL.70746	PL.70743	A	6 A (CWC)	7.18Y	119.7	0.02	5.30	6.13	4	43	10	97	0.00	0.0	7.113	0.059	6	1	2	9
PL.70748	PL.70746	A	6 A (CWC)	7.18Y	119.7	0.01	5.32	4.85	3	34	8	97	0.00	0.0	7.182	0.069	12	3	3	6
PL.71079	PL.70748	A	#4 ACSR	7.18Y	119.7	0.01	5.33	3.15	2	22	5	98	0.00	0.0	7.261	0.080	12	3	1	3
PL.70749	PL.71079	A	#1/0 ACSR	7.18Y	119.7	0.00	5.33	1.18	1	8	2	97	0.00	0.0	7.346	0.084	8	2	1	1
PL.71080	PL.71079	A	#4 ACSR	7.18Y	119.7	0.00	5.33	0.25	0	2	0	100	0.00	0.0	7.364	0.103	0	0	0	1
PL.71068	PL.71080	A	#4 ACSR	7.18Y	119.7	0.00	5.33	0.25	0	2	0	100	0.00	0.0	7.466	0.102	0	0	0	1
PL.70750	PL.71068	A	#4 ACSR	7.18Y	119.7	0.00	5.33	0.25	0	2	0	100	0.00	0.0	7.510	0.044	2	0	1	1
PL.70747	PL.70746	A	#1/0 ACSR	7.18Y	119.7	0.00	5.30	0.49	0	3	1	95	0.00	0.0	7.133	0.020	3	1	1	1
PL.70745	PL.70743	A	6 A (CWC)	7.18Y	119.7	0.03	5.32	13.78	10	96	23	97	0.02	0.0	7.110	0.057	9	2	1	24
PL.71081	PL.70745	A	#4 ACSR	7.18Y	119.6	0.03	5.35	10.19	8	71	17	97	0.02	0.0	7.182	0.072	5	1	3	21
PL.71211	PL.71081	A	#4 ACSR	7.18Y	119.6	0.02	5.37	8.45	6	59	14	97	0.01	0.0	7.236	0.054	19	5	3	16
PL.71212	PL.71211	A	#4 ACSR	7.18Y	119.6	0.01	5.38	5.69	4	40	10	97	0.00	0.0	7.286	0.051	1	0	2	13
PL.70752	PL.71212	A	#1/0 ACSR	7.18Y	119.6	0.00	5.38	0.44	0	3	1	95	0.00	0.0	7.303	0.017	3	1	1	1
PL.71078	PL.71212	A	#4 ACSR	7.18Y	119.6	0.02	5.40	5.06	4	35	9	97	0.00	0.0	7.369	0.083	7	2	2	10
PL.70960	PL.71078	A	#4 ACSR	7.18Y	119.6	0.01	5.41	4.09	3	29	7	97	0.00	0.0	7.416	0.047	0	0	0	8
PL.70753	PL.70960	A	#1/0 ACSR	7.18Y	119.6	0.00	5.41	3.00	1	21	5	97	0.00	0.0	7.458	0.043	9	2	1	6
PL.71195	PL.70753	A	#4 ACSR	7.17Y	119.6	0.01	5.42	1.73	1	12	3	97	0.00	0.0	7.559	0.101	0	0	1	5
PL.71196	PL.71195	A	#4 ACSR	7.17Y	119.6	0.01	5.42	1.69	1	12	3	97	0.00	0.0	7.637	0.079	0	0	0	4
PL.71197	PL.71196	A	#4 ACSR	7.17Y	119.6	0.00	5.43	1.69	1	12	3	97	0.00	0.0	7.698	0.060	0	0	1	4
PL.71198	PL.71197	A	#4 ACSR	7.17Y	119.6	0.01	5.44	1.68	1	12	3	97	0.00	0.0	7.812	0.114	0	0	0	3
PL.70755	PL.71198	A	#4 ACSR	7.17Y	119.6	0.00	5.44	0.00	0	0	0	100	0.00	0.0	7.872	0.060	0	0	0	0
PL.71200	PL.71198	A	#4 ACSR	7.17Y	119.6	0.00	5.44	1.68	1	12	3	97	0.00	0.0	7.877	0.065	0	0	1	3
PL.71199	PL.71200	A	#4 ACSR	7.17Y	119.6	0.00	5.44	1.68	1	12	3	97	0.00	0.0	7.902	0.025	12	3	2	2
PL.70754	PL.70960	A	#1/0 ACSR	7.18Y	119.6	0.00	5.41	1.09	0	8	2	97	0.00	0.0	7.442	0.026	8	2	2	2
PL.70751	PL.71081	A	#1/0 ACSR	7.18Y	119.6	0.00	5.35	1.04	0	7	2	96	0.00	0.0	7.218	0.036	7	2	2	2
PL.71210	PL.70745	A	6 A (CWC)	7.18Y	119.7	0.01	5.33	2.32	2	16	4	97	0.00	0.0	7.211	0.101	0	0	0	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.71209	PL.71210	A	6 A (CWC)	7.18Y	119.7	0.02	5.35	2.32	2	16	4	97	0.00	0.0	7.361	0.151	0	0	0	2
PL.70742	PL.71209	A	#1/0 ACSR	7.18Y	119.6	0.00	5.35	1.43	1	10	2	98	0.00	0.0	7.470	0.109	10	2	1	1
PL.70959	PL.71209	A	6 A (CWC)	7.18Y	119.6	0.00	5.35	0.89	1	6	2	95	0.00	0.0	7.413	0.051	0	0	0	1
PL.70741	PL.70959	A	6 A (CWC)	7.18Y	119.6	0.00	5.35	0.89	1	6	2	95	0.00	0.0	7.457	0.045	6	2	1	1
PL.70993	PL.70718	ABC	#1/0 ACSR	7.21Y	120.2	0.01	4.84	21.39	9	436	156	94	0.04	0.0	6.615	0.029	0	0	0	65
PL.70992	PL.70993	ABC	#1/0 ACSR	7.21Y	120.1	0.03	4.86	21.29	9	434	155	94	0.08	0.0	6.681	0.066	0	0	0	64
PL.70721	PL.70992	ABC	#1/0 ACSR	7.21Y	120.1	0.02	4.88	18.95	8	384	143	94	0.05	0.0	6.732	0.051	0	0	0	49
PL.71205	PL.70721	ABC	#1/0 ACSR	7.21Y	120.1	0.03	4.91	18.56	8	376	141	94	0.07	0.0	6.813	0.081	10	3	2	48
PL.71206	PL.71205	ABC	#1/0 ACSR	7.20Y	120.1	0.02	4.93	18.07	8	365	139	93	0.05	0.0	6.867	0.054	6	1	2	46
PL.71203	PL.71206	ABC	#1/0 ACSR	7.20Y	120.1	0.01	4.94	17.80	8	359	137	93	0.03	0.0	6.909	0.042	17	4	3	44
PL.71204	PL.71203	ABC	#1/0 ACSR	7.20Y	120.1	0.01	4.95	17.01	7	343	133	93	0.02	0.0	6.929	0.020	0	0	0	41
PL.70995	PL.71204	ABC	#1/0 ACSR	7.20Y	120.0	0.01	4.96	16.57	7	333	131	93	0.03	0.0	6.969	0.040	0	0	0	39
PL.71193	PL.70995	ABC	#1/0 ACSR	7.20Y	120.0	0.01	4.97	16.57	7	333	131	93	0.03	0.0	7.014	0.046	0	0	1	39
PL.71194	PL.71193	ABC	#1/0 ACSR	7.20Y	120.0	0.01	4.99	16.56	7	333	131	93	0.03	0.0	7.049	0.035	0	0	0	38
PL.70996	PL.71194	ABC	#1/0 ACSR	7.20Y	120.0	0.00	4.99	15.94	7	320	127	93	0.01	0.0	7.060	0.011	0	0	0	37
PL.70730	PL.70996	ABC	#1/0 ACSR	7.20Y	120.0	0.01	5.00	15.94	7	320	127	93	0.02	0.0	7.097	0.037	9	2	1	37
PL.70997	PL.70730	ABC	#1/0 ACSR	7.20Y	120.0	0.03	5.03	15.16	7	303	123	93	0.06	0.0	7.188	0.091	0	0	0	34
PL.71070	PL.70997	ABC	#1/0 ACSR	7.20Y	119.9	0.03	5.06	15.16	7	303	123	93	0.07	0.0	7.301	0.113	0	0	0	34
PL.70731	PL.71070	ABC	#1/0 ACSR	7.19Y	119.9	0.03	5.08	15.16	7	303	123	93	0.05	0.0	7.388	0.087	0	0	0	34
PL.71459	PL.70731	C	#4 ACSR	7.19Y	119.9	0.00	5.08	1.62	1	11	3	96	0.00	0.0	7.393	0.005	0	0	0	6
PD.10655	PL.71459	C	15T	7.19Y	119.9	0.00	5.08	1.62	0	11	3	96	0.00	0.0	7.393	0.005	0	0	0	6
PL.71460	PD.10655	C	#4 ACSR	7.19Y	119.9	0.00	5.09	1.62	1	11	3	96	0.00	0.0	7.465	0.072	7	2	1	6
PL.71097	PL.71460	C	#4 ACSR	7.19Y	119.9	0.00	5.09	0.65	0	5	1	98	0.00	0.0	7.496	0.031	0	0	0	5
PL.71096	PL.71097	C	#4 ACSR	7.19Y	119.9	0.00	5.09	0.65	0	5	1	98	0.00	0.0	7.656	0.160	1	0	1	5
PL.70729	PL.71096	C	#4 ACSR	7.19Y	119.9	0.00	5.09	0.57	0	4	1	97	0.00	0.0	7.691	0.035	4	1	4	4
PL.71191	PL.70731	ABC	#1/0 ACSR	7.19Y	119.9	0.03	5.12	14.63	6	292	120	92	0.07	0.0	7.514	0.126	5	1	3	28
PL.71192	PL.71191	ABC	#1/0 ACSR	7.19Y	119.8	0.04	5.16	14.39	6	287	119	92	0.08	0.0	7.661	0.147	0	0	0	25
PL.70735	PL.71192	ABC	#1/0 ACSR	7.19Y	119.8	0.01	5.17	12.06	5	237	107	91	0.02	0.0	7.706	0.045	0	0	0	10
PL.70998	PL.70735	ABC	#1/0 ACSR	7.19Y	119.8	0.02	5.19	11.94	5	234	106	91	0.03	0.0	7.793	0.087	0	0	0	9
PL.71451	PL.70998	A	#1/0 ACSR	7.19Y	119.8	0.00	5.19	1.17	1	8	2	97	0.00	0.0	7.798	0.005	0	0	0	1
PD.10651	PL.71451	A	15T	7.19Y	119.8	0.00	5.19	1.17	0	8	2	97	0.00	0.0	7.798	0.005	0	0	0	1

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

Balanced Voltage Drop Report
Source: Annville

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.71452	PD.10651	A	#1/0 ACSR	7.19Y	119.8	0.00	5.19	1.17	1	8	2	97	0.00	0.0	7.823	0.025	8	2	1	1
PL.71433	PL.70998	ABC	#1/0 ACSR	7.19Y	119.8	0.01	5.20	11.55	5	226	104	91	0.01	0.0	7.888	0.095	204	99	1	8
PL.71434	PL.71433	ABC	#1/0 ACSR	7.19Y	119.8	0.00	5.20	1.05	0	22	5	98	0.00	0.0	7.893	0.005	0	0	1	7
PL.71453	PL.71434	A	#1/0 ACSR	7.19Y	119.8	0.00	5.20	3.12	1	22	5	98	0.00	0.0	7.897	0.005	0	0	0	6
PD.10652	PL.71453	A	15T	7.19Y	119.8	0.00	5.20	3.12	0	22	5	98	0.00	0.0	7.897	0.005	0	0	0	6
PL.71454	PD.10652	A	#1/0 ACSR	7.19Y	119.8	0.00	5.20	3.12	1	22	5	98	0.00	0.0	7.926	0.029	0	0	0	6
PL.71185	PL.71454	A	#4 ACSR	7.19Y	119.8	0.01	5.21	3.12	2	22	5	98	0.00	0.0	7.993	0.067	7	2	2	6
PL.71186	PL.71185	A	#4 ACSR	7.19Y	119.8	0.01	5.22	2.15	2	15	4	97	0.00	0.0	8.132	0.139	0	0	0	4
PL.70736	PL.71186	A	#2 ACSR	7.19Y	119.8	0.00	5.23	1.01	1	7	2	96	0.00	0.0	8.164	0.032	7	2	1	1
PL.71077	PL.71186	A	#4 ACSR	7.19Y	119.8	0.00	5.23	1.14	1	8	2	97	0.00	0.0	8.212	0.080	5	1	2	3
PL.70737	PL.71077	A	#4 ACSR	7.19Y	119.8	0.00	5.23	0.37	0	3	1	95	0.00	0.0	8.250	0.038	3	1	1	1
PL.71449	PL.70735	C	#1/0 ACSR	7.19Y	119.8	0.00	5.17	0.37	0	3	1	95	0.00	0.0	7.710	0.005	0	0	0	1
PD.10650	PL.71449	C	15T	7.19Y	119.8	0.00	5.17	0.37	0	3	1	95	0.00	0.0	7.710	0.005	0	0	0	1
PL.71450	PD.10650	C	#1/0 ACSR	7.19Y	119.8	0.00	5.17	0.37	0	3	1	95	0.00	0.0	7.749	0.038	3	1	1	1
PL.70734	PL.71192	ABC	#1/0 ACSR	7.19Y	119.8	0.00	5.16	2.36	1	50	12	97	0.00	0.0	7.722	0.061	8	2	2	15
PL.71187	PL.70734	ABC	#1/0 ACSR	7.19Y	119.8	0.00	5.16	2.00	1	42	10	97	0.00	0.0	7.804	0.081	7	2	1	13
PL.71188	PL.71187	ABC	#1/0 ACSR	7.19Y	119.8	0.00	5.17	1.65	1	35	8	97	0.00	0.0	7.920	0.116	3	1	1	12
PL.71189	PL.71188	ABC	#1/0 ACSR	7.19Y	119.8	0.00	5.17	1.33	1	28	7	97	0.00	0.0	7.956	0.036	0	0	1	10
PL.71190	PL.71189	ABC	#1/0 ACSR	7.19Y	119.8	0.00	5.17	1.33	1	28	7	97	0.00	0.0	8.007	0.052	0	0	0	9
PL.70999	PL.71190	ABC	#1/0 ACSR	7.19Y	119.8	0.00	5.17	1.03	0	21	5	97	0.00	0.0	8.083	0.075	0	0	0	8
PL.70738	PL.70999	ABC	#1/0 ACSR	7.19Y	119.8	0.00	5.17	0.30	0	6	2	95	0.00	0.0	8.148	0.066	0	0	0	3
PL.71447	PL.70738	A	#1/0 ACSR	7.19Y	119.8	0.00	5.17	0.90	0	6	2	95	0.00	0.0	8.153	0.005	0	0	0	3
PD.10649	PL.71447	A	15T	7.19Y	119.8	0.00	5.17	0.90	0	6	2	95	0.00	0.0	8.153	0.005	0	0	0	3
PL.71448	PD.10649	A	#1/0 ACSR	7.19Y	119.8	0.00	5.17	0.90	0	6	2	95	0.00	0.0	8.196	0.043	1	0	2	3
PL.71072	PL.71448	A	#4 ACSR	7.19Y	119.8	0.01	5.18	0.79	1	6	1	99	0.00	0.0	8.362	0.166	0	0	0	1
PL.71071	PL.71072	A	#4 ACSR	7.19Y	119.8	0.00	5.18	0.79	1	6	1	99	0.00	0.0	8.407	0.045	0	0	0	1
PL.70740	PL.71071	A	#4 ACSR	7.19Y	119.8	0.00	5.18	0.79	1	6	1	99	0.00	0.0	8.442	0.035	6	1	1	1
PL.71000	PL.70738	ABC	#1/0 ACSR	7.19Y	119.8	0.00	5.17	0.00	0	0	0	100	0.00	0.0	8.187	0.039	0	0	0	0
PL.70739	PL.71000	ABC	#1/0 ACSR	7.19Y	119.8	0.00	5.17	0.00	0	0	0	100	0.00	0.0	8.237	0.049	0	0	0	0
PL.69069	PL.70739	ABC	#1/0 ACSR	7.19Y	119.8	0.00	5.17	0.00	0	0	0	100	0.00	0.0	8.242	0.005	0	0	0	0
PD.10364-B	PL.69069	ABC	Open	7.19Y	119.8	0.00	5.17	0.00	0	0	0	100	0.00	0.0	8.242	0.005	0	0	0	0

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Balanced Voltage Drop Report
Source: Annville

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.70808	PL.70999	A	#1/0 ACSR	7.19Y	119.8	0.00	5.17	0.50	0	3	1	95	0.00	0.0	8.087	0.005	0	0	0	1
PD.10577	PL.70808	A	15T	7.19Y	119.8	0.00	5.17	0.50	0	3	1	95	0.00	0.0	8.087	0.005	0	0	0	1
PL.70809	PD.10577	A	#1/0 ACSR	7.19Y	119.8	0.00	5.17	0.50	0	3	1	95	0.00	0.0	8.153	0.065	3	1	1	1
PL.71445	PL.70999	B	#4 ACSR	7.19Y	119.8	0.00	5.17	1.68	1	12	3	97	0.00	0.0	8.087	0.005	0	0	0	4
PD.10648	PL.71445	B	15T	7.19Y	119.8	0.00	5.17	1.68	0	12	3	97	0.00	0.0	8.087	0.005	0	0	0	4
PL.71446	PD.10648	B	#4 ACSR	7.19Y	119.8	0.00	5.17	1.68	1	12	3	97	0.00	0.0	8.116	0.028	12	3	4	4
PL.71455	PL.71190	A	6 A (CWC)	7.19Y	119.8	0.00	5.17	0.90	1	6	2	95	0.00	0.0	8.012	0.005	0	0	0	1
PD.10653	PL.71455	A	15T	7.19Y	119.8	0.00	5.17	0.90	0	6	2	95	0.00	0.0	8.012	0.005	0	0	0	1
PL.71456	PD.10653	A	6 A (CWC)	7.19Y	119.8	0.00	5.17	0.90	1	6	2	95	0.00	0.0	8.100	0.088	6	2	1	1
PL.71457	PL.71188	C	#2 ACSR	7.19Y	119.8	0.00	5.17	0.51	0	4	1	97	0.00	0.0	7.924	0.005	0	0	0	1
PD.10654	PL.71457	C	15T	7.19Y	119.8	0.00	5.17	0.51	0	4	1	97	0.00	0.0	7.924	0.005	0	0	0	1
PL.71458	PD.10654	C	#2 ACSR	7.19Y	119.8	0.00	5.17	0.51	0	4	1	97	0.00	0.0	7.960	0.036	4	1	1	1
PL.71461	PL.70730	C	#4 ACSR	7.20Y	120.0	0.00	5.00	1.12	1	8	2	97	0.00	0.0	7.102	0.005	0	0	0	2
PD.10656	PL.71461	C	15T	7.20Y	120.0	0.00	5.00	1.12	0	8	2	97	0.00	0.0	7.102	0.005	0	0	0	2
PL.71462	PD.10656	C	#4 ACSR	7.20Y	120.0	0.00	5.00	1.12	1	8	2	97	0.00	0.0	7.139	0.037	8	2	1	2
PL.71428	PL.71462	C	#4 ACSR	7.20Y	120.0	0.00	5.00	0.03	0	0	0	100	0.00	0.0	7.213	0.075	0	0	0	1
PL.70732	PL.71428	C	#4 ACSR	7.20Y	120.0	0.00	5.00	0.03	0	0	0	100	0.00	0.0	7.315	0.102	0	0	1	1
PL.70733	PL.71428	C	#1/0 ACSR	7.20Y	120.0	0.00	5.00	0.00	0	0	0	100	0.00	0.0	7.304	0.090	0	0	0	0
PL.71463	PL.71194	C	6 A (CWC)	7.20Y	120.0	0.00	4.99	1.87	1	13	3	97	0.00	0.0	7.054	0.005	0	0	0	1
PD.10657	PL.71463	C	15T	7.20Y	120.0	0.00	4.99	1.87	0	13	3	97	0.00	0.0	7.054	0.005	0	0	0	1
PL.71464	PD.10657	C	6 A (CWC)	7.20Y	120.0	0.00	4.99	1.87	1	13	3	97	0.00	0.0	7.131	0.078	13	3	1	1
PL.71491	PL.71204	A	#2 ACSR	7.20Y	120.1	0.00	4.95	1.31	1	9	2	98	0.00	0.0	6.934	0.005	0	0	0	2
PD.10668	PL.71491	A	15T	7.20Y	120.1	0.00	4.95	1.31	0	9	2	98	0.00	0.0	6.934	0.005	0	0	0	2
PL.71492	PD.10668	A	#2 ACSR	7.20Y	120.1	0.00	4.95	1.31	1	9	2	98	0.00	0.0	7.006	0.072	9	2	2	2
PL.71469	PL.70721	C	#1/0 ACSR	7.21Y	120.1	0.00	4.88	1.17	1	8	2	97	0.00	0.0	6.737	0.005	0	0	0	1
PD.10660	PL.71469	C	15T	7.21Y	120.1	0.00	4.88	1.17	0	8	2	97	0.00	0.0	6.737	0.005	0	0	0	1
PL.71470	PD.10660	C	#1/0 ACSR	7.21Y	120.1	0.00	4.88	1.17	1	8	2	97	0.00	0.0	6.744	0.008	8	2	1	1
PL.71101	PL.70992	C	6 A (CWC)	7.21Y	120.1	0.00	4.86	7.07	5	50	12	97	0.00	0.0	6.685	0.005	0	0	0	15
PD.10730	PL.71101	C	15T	7.21Y	120.1	0.00	4.86	7.07	0	50	12	97	0.00	0.0	6.685	0.005	0	0	0	15
PL.70720	PD.10730	C	6 A (CWC)	7.21Y	120.1	0.01	4.87	5.21	4	36	9	97	0.00	0.0	6.717	0.031	15	4	3	12
PL.70722	PL.70720	C	6 A (CWC)	7.21Y	120.1	0.00	4.88	3.03	2	21	5	97	0.00	0.0	6.757	0.040	5	1	2	9

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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.70723	PL.70722	C	#4 ACSR	7.21Y	120.1	0.01	4.88	2.32	2	16	4	97	0.00	0.0	6.820	0.063	4	1	1	7
PL.70724	PL.70723	C	#4 ACSR	7.21Y	120.1	0.00	4.88	1.68	1	12	3	97	0.00	0.0	6.860	0.040	3	1	4	6
PL.70725	PL.70724	C	#4 ACSR	7.21Y	120.1	0.00	4.89	1.21	1	8	2	97	0.00	0.0	6.931	0.070	3	1	1	2
PL.70726	PL.70725	C	#1/0 ACSR	7.21Y	120.1	0.00	4.89	0.74	0	5	1	98	0.00	0.0	6.962	0.031	5	1	1	1
PL.70994	PL.70725	C	#4 ACSR	7.21Y	120.1	0.00	4.89	0.00	0	0	0	100	0.00	0.0	7.010	0.079	0	0	0	0
PL.71201	PL.70994	C	#4 ACSR	7.21Y	120.1	0.00	4.89	0.00	0	0	0	100	0.00	0.0	7.048	0.038	0	0	0	0
PL.71202	PL.71201	C	#4 ACSR	7.21Y	120.1	0.00	4.89	0.00	0	0	0	100	0.00	0.0	7.083	0.035	0	0	0	0
PL.70727	PL.70994	C	#4 ACSR	7.21Y	120.1	0.00	4.89	0.00	0	0	0	100	0.00	0.0	7.125	0.115	0	0	0	0
PL.71102	PD.10730	C	6 A (CWC)	7.21Y	120.1	0.00	4.87	1.86	1	13	3	97	0.00	0.0	6.709	0.023	13	3	3	3
PL.71465	PL.70993	A	#2 ACSR	7.21Y	120.2	0.00	4.84	0.30	0	2	1	89	0.00	0.0	6.620	0.005	0	0	0	1
PD.10658	PL.71465	A	15T	7.21Y	120.2	0.00	4.84	0.30	0	2	1	89	0.00	0.0	6.620	0.005	0	0	0	1
PL.71466	PD.10658	A	#2 ACSR	7.21Y	120.2	0.00	4.84	0.30	0	2	1	89	0.00	0.0	6.627	0.007	2	1	1	1
PL.71467	PL.70991	A	#1/0 ACSR	7.22Y	120.3	0.00	4.74	0.67	0	5	1	98	0.00	0.0	6.430	0.005	0	0	0	5
PD.10659	PL.71467	A	15T	7.22Y	120.3	0.00	4.74	0.67	0	5	1	98	0.00	0.0	6.430	0.005	0	0	0	5
PL.71468	PD.10659	A	#1/0 ACSR	7.22Y	120.3	0.00	4.74	0.67	0	5	1	98	0.00	0.0	6.466	0.035	5	1	5	5
PL.71471	PL.70990	C	#2 ACSR	7.22Y	120.3	0.00	4.70	2.35	1	16	4	97	0.00	0.0	6.359	0.005	0	0	0	2
PD.10661	PL.71471	C	15T	7.22Y	120.3	0.00	4.70	2.35	0	16	4	97	0.00	0.0	6.359	0.005	0	0	0	2
PL.71472	PD.10661	C	#2 ACSR	7.22Y	120.3	0.00	4.70	2.35	1	16	4	97	0.00	0.0	6.394	0.036	16	4	2	2
PL.70804	PL.70990	A	6 A (CWC)	7.22Y	120.3	0.00	4.70	5.06	4	36	9	97	0.00	0.0	6.359	0.005	0	0	0	5
PD.10575	PL.70804	A	15T	7.22Y	120.3	0.00	4.70	5.06	0	36	9	97	0.00	0.0	6.359	0.005	0	0	0	5
PL.70805	PD.10575	A	6 A (CWC)	7.22Y	120.3	0.00	4.70	5.06	4	36	9	97	0.00	0.0	6.373	0.014	7	2	1	5
PL.70716	PL.70805	A	6 A (CWC)	7.22Y	120.3	0.01	4.71	4.05	3	28	7	97	0.00	0.0	6.437	0.064	8	2	1	4
PL.71219	PL.70716	A	#4 ACSR	7.22Y	120.3	0.00	4.72	2.85	2	20	5	97	0.00	0.0	6.454	0.017	0	0	0	3
PL.71220	PL.71219	A	#4 ACSR	7.22Y	120.3	0.00	4.72	2.85	2	20	5	97	0.00	0.0	6.496	0.042	5	1	2	3
PL.70717	PL.71220	A	#1/0 ACSR	7.22Y	120.3	0.00	4.72	2.16	1	15	4	97	0.00	0.0	6.643	0.146	15	4	1	1
PL.71627	PL.71216	C	#1/0 ACSR	7.22Y	120.3	0.00	4.66	2.59	1	18	4	98	0.00	0.0	6.298	0.005	0	0	0	4
PD.10574	PL.71627	C	15T	7.22Y	120.3	0.00	4.66	2.59	0	18	4	98	0.00	0.0	6.298	0.005	0	0	0	4
PL.71628	PD.10574	C	#1/0 ACSR	7.22Y	120.3	0.00	4.66	2.59	1	18	4	98	0.00	0.0	6.310	0.012	5	1	2	4
PL.71213	PL.71628	C	#1/0 ACSR	7.22Y	120.3	0.00	4.67	1.92	1	13	3	97	0.00	0.0	6.413	0.103	0	0	0	2
PL.71065	PL.71213	C	#1/0 ACSR	7.22Y	120.3	0.01	4.67	1.92	1	13	3	97	0.00	0.0	6.528	0.115	0	0	0	2
PL.71066	PL.71065	C	#1/0 ACSR	7.22Y	120.3	0.00	4.68	1.92	1	13	3	97	0.00	0.0	6.633	0.106	7	2	1	2

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Balanced Voltage Drop Report
Source: Annville

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.70715	PL.71066	C	#1/0 ACSR	7.22Y	120.3	0.00	4.68	0.90	0	6	2	95	0.00	0.0	6.739	0.106	6	2	1	1
PL.71489	PL.71118	C	6 A (CWC)	7.30Y	121.7	0.00	3.27	9.45	7	67	16	97	0.00	0.0	4.793	0.005	0	0	0	11
PD.10667	PL.71489	C	30T	7.30Y	121.7	0.00	3.27	9.45	0	67	16	97	0.00	0.0	4.793	0.005	0	0	0	11
PL.71490	PD.10667	C	6 A (CWC)	7.30Y	121.7	0.05	3.31	9.45	7	67	16	97	0.02	0.0	4.900	0.107	0	0	0	11
PL.70698	PL.71490	C	#4 ACSR	7.30Y	121.7	0.01	3.32	1.12	1	8	2	97	0.00	0.0	5.001	0.101	0	0	0	1
PL.71051	PL.70698	C	#4 ACSR	7.30Y	121.7	0.00	3.32	1.12	1	8	2	97	0.00	0.0	5.126	0.125	8	2	1	1
PL.70699	PL.71490	C	#4 ACSR	7.30Y	121.7	0.03	3.35	8.33	6	59	14	97	0.02	0.0	4.993	0.093	0	0	0	10
PL.71116	PL.70699	C	#4 ACSR	7.30Y	121.6	0.04	3.39	8.33	6	59	14	97	0.02	0.0	5.100	0.108	0	0	0	10
PL.71117	PL.71116	C	#4 ACSR	7.30Y	121.6	0.01	3.40	5.13	4	36	9	97	0.00	0.0	5.155	0.055	0	0	0	6
PL.71115	PL.71117	C	#4 ACSR	7.30Y	121.6	0.00	3.40	0.55	0	4	1	97	0.00	0.0	5.216	0.060	0	0	0	2
PL.70704	PL.71115	C	#1/0 ACSR	7.30Y	121.6	0.00	3.40	0.01	0	0	0	100	0.00	0.0	5.281	0.066	0	0	1	1
PL.70705	PL.71115	C	#4 ACSR	7.30Y	121.6	0.00	3.40	0.54	0	4	1	97	0.00	0.0	5.346	0.130	0	0	0	1
PL.70707	PL.70705	C	#4 ACSR	7.30Y	121.6	0.00	3.40	0.54	0	4	1	97	0.00	0.0	5.436	0.090	4	1	1	1
PL.70702	PL.71117	C	#4 ACSR	7.30Y	121.6	0.00	3.40	0.90	1	6	2	95	0.00	0.0	5.186	0.031	6	2	1	1
PL.71292	PL.71117	C	#4 ACSR	7.30Y	121.6	0.00	3.40	2.83	2	20	5	97	0.00	0.0	5.186	0.030	9	2	1	2
PL.71293	PL.71292	C	#4 ACSR	7.30Y	121.6	0.00	3.40	1.61	1	11	3	96	0.00	0.0	5.221	0.035	11	3	1	1
PL.70703	PL.71117	C	#4 ACSR	7.30Y	121.6	0.00	3.40	0.85	1	6	1	99	0.00	0.0	5.176	0.021	6	1	1	1
PL.70701	PL.71116	C	#4 ACSR	7.30Y	121.6	0.00	3.39	1.12	1	8	2	97	0.00	0.0	5.137	0.036	8	2	1	1
PL.70700	PL.71116	C	#4 ACSR	7.30Y	121.6	0.00	3.39	2.08	2	15	4	97	0.00	0.0	5.158	0.058	5	1	2	3
PL.70706	PL.70700	C	#1/0 ACSR	7.30Y	121.6	0.00	3.39	1.33	1	9	2	98	0.00	0.0	5.188	0.030	9	2	1	1
PL.71135	PL.70983	A	6 A (CWC)	7.35Y	122.5	0.00	2.49	16.03	11	115	28	97	0.00	0.0	4.378	0.005	0	0	0	25
PD.10685	PL.71135	A	30T	7.35Y	122.5	0.00	2.49	16.03	0	115	28	97	0.00	0.0	4.378	0.005	0	0	0	25
PL.71134	PD.10685	A	6 A (CWC)	7.35Y	122.5	0.01	2.50	4.89	3	35	9	97	0.00	0.0	4.408	0.030	8	2	2	12
PL.71300	PL.71134	A	6 A (CWC)	7.35Y	122.5	0.01	2.51	3.81	3	27	7	97	0.00	0.0	4.466	0.059	13	3	1	10
PL.71299	PL.71300	A	6 A (CWC)	7.35Y	122.5	0.00	2.51	2.03	1	14	4	96	0.00	0.0	4.520	0.053	0	0	0	9
PL.71132	PL.71299	A	6 A (CWC)	7.35Y	122.5	0.01	2.52	2.03	1	14	4	96	0.00	0.0	4.608	0.088	4	1	1	9
PL.71294	PL.71132	A	#4 ACSR	7.35Y	122.5	0.00	2.52	1.47	1	10	3	96	0.00	0.0	4.669	0.061	0	0	0	8
PL.71295	PL.71294	A	#4 ACSR	7.35Y	122.5	0.01	2.53	1.47	1	10	3	96	0.00	0.0	4.786	0.117	0	0	0	8
PL.71120	PL.71295	A	#4 ACSR	7.35Y	122.5	0.00	2.54	1.47	1	10	3	96	0.00	0.0	4.851	0.065	0	0	0	8
PL.70955	PL.71120	A	#4 ACSR	7.35Y	122.5	0.00	2.54	0.30	0	2	1	89	0.00	0.0	4.984	0.133	2	1	4	4
PL.71121	PL.71120	A	#4 ACSR	7.35Y	122.5	0.01	2.54	1.17	1	8	2	97	0.00	0.0	4.988	0.137	0	0	0	4

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Balanced Voltage Drop Report
Source: Annville

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.71114	PL.71121	A	#4 ACSR	7.35Y	122.5	0.00	2.54	0.67	1	5	1	98	0.00	0.0	5.088	0.100	5	1	2	2
PL.70956	PL.71121	A	#1/0 ACSR	7.35Y	122.5	0.00	2.54	0.49	0	4	1	97	0.00	0.0	5.022	0.034	4	1	2	2
PL.70697	PL.71299	A	#4 ACSR	7.35Y	122.5	0.00	2.51	0.00	0	0	0	100	0.00	0.0	4.621	0.102	0	0	0	0
PL.71136	PD.10685	A	6 A (CWC)	7.35Y	122.5	0.04	2.54	11.14	8	80	19	97	0.02	0.0	4.472	0.094	13	3	2	13
PL.71138	PL.71136	A	#4 ACSR	7.35Y	122.5	0.00	2.54	9.37	7	67	16	97	0.00	0.0	4.482	0.011	0	0	1	11
PL.71139	PL.71138	A	#4 ACSR	7.35Y	122.4	0.02	2.56	8.69	7	62	15	97	0.01	0.0	4.531	0.049	14	3	3	9
PL.70693	PL.71139	A	#4 ACSR	7.35Y	122.4	0.01	2.57	5.25	4	37	9	97	0.00	0.0	4.598	0.067	28	7	4	5
PL.70696	PL.70693	A	#1/0 ACSR	7.35Y	122.4	0.00	2.57	1.35	1	10	2	98	0.00	0.0	4.648	0.050	10	2	1	1
PL.70692	PL.71139	A	#2 ACSR	7.35Y	122.4	0.00	2.56	1.45	1	10	3	96	0.00	0.0	4.605	0.073	10	3	1	1
PL.70691	PL.71138	A	#1/0 ACSR	7.35Y	122.5	0.00	2.54	0.69	0	5	1	98	0.00	0.0	4.545	0.063	0	0	0	1
PL.70694	PL.70691	A	#1/0 ACSR	7.35Y	122.5	0.00	2.54	0.69	0	5	1	98	0.00	0.0	4.685	0.140	5	1	1	1
PL.71625	PL.71145	C	#1/0 ACSR	7.36Y	122.6	0.00	2.35	0.74	0	5	1	98	0.00	0.0	4.311	0.005	0	0	0	3
PD.10573	PL.71625	C	30T	7.36Y	122.6	0.00	2.35	0.74	0	5	1	98	0.00	0.0	4.311	0.005	0	0	0	3
PL.71626	PD.10573	C	#1/0 ACSR	7.36Y	122.6	0.00	2.35	0.74	0	5	1	98	0.00	0.0	4.346	0.035	2	0	1	3
PL.71140	PL.71626	C	#1/0 ACSR	7.36Y	122.6	0.00	2.35	0.12	0	1	0	100	0.00	0.0	4.386	0.040	1	0	1	1
PL.70690	PL.71626	C	#1/0 ACSR	7.36Y	122.6	0.00	2.36	0.41	0	3	1	95	0.00	0.0	4.383	0.037	3	1	1	1
PL.71523	PL.71685	C	#1/0 ACSR	7.37Y	122.8	0.00	2.18	1.31	1	9	2	98	0.00	0.0	4.225	0.005	0	0	0	1
PD.10686	PL.71523	C	30T	7.37Y	122.8	0.00	2.18	1.31	0	9	2	98	0.00	0.0	4.225	0.005	0	0	0	1
PL.71524	PD.10686	C	#1/0 ACSR	7.37Y	122.8	0.00	2.18	1.31	1	9	2	98	0.00	0.0	4.268	0.043	9	2	1	1
CP.110	PL.71709	ABC	Cap (300)	7.43Y	123.8	0.00	1.22	0.00	0	0	0	100	0.00	0.0	3.764	0.043	0	0	0	0
PL.71623	PL.70661	C	6 A (CWC)	7.44Y	124.0	0.00	1.02	1.82	1	13	3	97	0.00	0.0	3.676	0.005	0	0	0	5
PD.10572	PL.71623	C	30T	7.44Y	124.0	0.00	1.02	1.82	0	13	3	97	0.00	0.0	3.676	0.005	0	0	0	5
PL.71624	PD.10572	C	6 A (CWC)	7.44Y	124.0	0.00	1.02	1.82	1	13	3	97	0.00	0.0	3.727	0.051	4	1	2	5
PL.71308	PL.71624	C	6 A (CWC)	7.44Y	124.0	0.00	1.02	1.24	1	9	2	98	0.00	0.0	3.792	0.066	6	1	1	3
PL.71148	PL.71308	C	6 A (CWC)	7.44Y	124.0	0.00	1.02	0.40	0	3	1	95	0.00	0.0	3.813	0.021	0	0	0	2
PL.71151	PL.71148	C	6 A (CWC)	7.44Y	124.0	0.00	1.02	0.00	0	0	0	100	0.00	0.0	3.877	0.064	0	0	1	1
PL.70662	PL.71148	C	#4 ACSR	7.44Y	124.0	0.00	1.02	0.40	0	3	1	95	0.00	0.0	3.904	0.091	3	1	1	1
PL.71529	PL.70661	B	6 A (CWC)	7.44Y	124.0	0.00	1.02	20.39	15	147	36	97	0.00	0.0	3.676	0.005	0	0	0	25
PD.10689	PL.71529	B	30T	7.44Y	124.0	0.00	1.02	20.39	0	147	36	97	0.00	0.0	3.676	0.005	0	0	0	25
PL.71530	PD.10689	B	6 A (CWC)	7.43Y	123.9	0.07	1.09	20.39	15	147	36	97	0.07	0.1	3.752	0.076	6	1	1	25
PL.71303	PL.71530	B	6 A (CWC)	7.43Y	123.8	0.11	1.20	19.59	14	141	35	97	0.12	0.1	3.879	0.127	0	0	0	24

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Balanced Voltage Drop Report
Source: Annville

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.70664	PL.71303	B	#1/0 ACSR	7.43Y	123.8	0.00	1.20	1.23	1	9	2	98	0.00	0.0	3.898	0.018	0	0	0	1
PL.71525	PL.70664	B	1/0 AL URD	7.43Y	123.8	0.00	1.20	1.23	1	9	2	98	0.00	0.0	3.903	0.005	0	0	0	1
PD.10687	PL.71525	B	30T	7.43Y	123.8	0.00	1.20	1.23	0	9	2	98	0.00	0.0	3.903	0.005	0	0	0	1
PL.71526	PD.10687	B	1/0 AL URD	7.43Y	123.8	0.00	1.21	1.23	1	9	2	98	0.00	0.0	3.978	0.075	9	2	1	1
PL.71304	PL.71303	B	6 A (CWC)	7.43Y	123.8	0.03	1.23	18.36	13	132	32	97	0.03	0.0	3.919	0.040	9	2	1	23
PL.71305	PL.71304	B	6 A (CWC)	7.42Y	123.7	0.05	1.29	17.13	12	124	30	97	0.05	0.0	3.986	0.066	0	0	0	22
PL.70665	PL.71305	B	#4 ACSR	7.42Y	123.7	0.03	1.32	17.13	13	124	30	97	0.03	0.0	4.033	0.047	8	2	1	22
PL.71152	PL.70665	B	#4 ACSR	7.42Y	123.6	0.06	1.38	16.09	12	116	28	97	0.05	0.0	4.111	0.078	0	0	1	21
PL.71153	PL.71152	B	#4 ACSR	7.41Y	123.5	0.10	1.47	14.97	12	108	26	97	0.08	0.1	4.261	0.151	3	1	1	19
PL.70667	PL.71153	B	#4 ACSR	7.41Y	123.5	0.00	1.47	0.01	0	0	0	100	0.00	0.0	4.298	0.036	0	0	1	1
PL.70668	PL.71153	B	#4 ACSR	7.41Y	123.5	0.00	1.47	0.00	0	0	0	100	0.00	0.0	4.331	0.069	0	0	1	1
PL.71240	PL.71153	B	#4 ACSR	7.41Y	123.5	0.06	1.53	14.50	11	104	25	97	0.04	0.0	4.353	0.091	8	2	1	16
PL.71241	PL.71240	B	#4 ACSR	7.40Y	123.4	0.06	1.59	13.44	10	97	24	97	0.04	0.0	4.456	0.103	12	3	2	15
PL.71253	PL.71241	B	#4 ACSR	7.40Y	123.4	0.04	1.63	11.72	9	84	21	97	0.02	0.0	4.537	0.081	12	3	1	13
PL.71254	PL.71253	B	#4 ACSR	7.40Y	123.3	0.06	1.69	10.06	8	72	18	97	0.03	0.0	4.681	0.144	7	2	1	12
PL.70669	PL.71254	B	6 A (CWC)	7.40Y	123.3	0.02	1.71	9.06	6	65	16	97	0.01	0.0	4.742	0.061	14	3	2	11
PL.70670	PL.70669	B	#4 ACSR	7.40Y	123.3	0.00	1.71	2.82	2	20	5	97	0.00	0.0	4.774	0.032	20	5	3	3
PL.70671	PL.70669	B	6 A (CWC)	7.40Y	123.3	0.01	1.73	4.33	3	31	8	97	0.00	0.0	4.815	0.073	0	0	0	6
PL.70672	PL.70671	B	#1/0 ACSR	7.40Y	123.3	0.00	1.73	1.10	0	8	2	97	0.00	0.0	4.842	0.027	8	2	1	1
PL.71244	PL.70671	B	6 A (CWC)	7.40Y	123.3	0.01	1.73	3.24	2	23	6	97	0.00	0.0	4.855	0.040	3	1	1	5
PL.71245	PL.71244	B	6 A (CWC)	7.40Y	123.3	0.00	1.73	2.77	2	20	5	97	0.00	0.0	4.890	0.035	8	2	2	4
PL.70673	PL.71245	B	#4 ACSR	7.40Y	123.3	0.00	1.73	1.71	1	12	3	97	0.00	0.0	4.909	0.019	12	3	2	2
PL.70666	PL.71152	B	#4 ACSR	7.42Y	123.6	0.00	1.38	1.08	1	8	2	97	0.00	0.0	4.189	0.078	8	2	1	1
PL.71531	PL.70660	A	6 A (CWC)	7.46Y	124.3	0.00	0.70	1.23	1	9	2	98	0.00	0.0	3.539	0.005	0	0	0	1
PD.10690	PL.71531	A	30T	7.46Y	124.3	0.00	0.70	1.23	0	9	2	98	0.00	0.0	3.539	0.005	0	0	0	1
PL.71532	PD.10690	A	6 A (CWC)	7.46Y	124.3	0.00	0.70	1.23	1	9	2	98	0.00	0.0	3.562	0.023	9	2	1	1
PL.71533	PL.71536	C	#4 ACSR	7.47Y	124.6	0.00	0.43	1.28	1	9	2	98	0.00	0.0	3.420	0.005	0	0	0	1
PD.10692	PL.71533	C	30T	7.47Y	124.6	0.00	0.43	1.28	0	9	2	98	0.00	0.0	3.420	0.005	0	0	0	1
PL.71534	PD.10692	C	#4 ACSR	7.47Y	124.6	0.00	0.43	1.28	1	9	2	98	0.00	0.0	3.471	0.050	9	2	1	1
PL.71537	PL.70657	C	#4 ACSR	7.11Y	118.4	0.00	6.58	1.97	2	14	3	98	0.00	0.0	3.050	0.005	0	0	0	2
PD.10693	PL.71537	C	30T	7.11Y	118.4	0.00	6.58	1.97	0	14	3	98	0.00	0.0	3.050	0.005	0	0	0	2

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Balanced Voltage Drop Report
Source: Annville

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.71538	PD.10693	C	#4 ACSR	7.10Y	118.4	0.01	6.59	1.97	2	14	3	98	0.00	0.0	3.146	0.096	6	1	1	2
PL.71326	PL.71538	C	#4 ACSR	7.10Y	118.4	0.00	6.59	1.17	1	8	2	97	0.00	0.0	3.200	0.054	0	0	0	1
PL.70675	PL.71326	C	#4 ACSR	7.10Y	118.4	0.00	6.59	1.17	1	8	2	97	0.00	0.0	3.275	0.075	8	2	1	1
PL.71547	PL.71322	B	#4 ACSR	7.14Y	119.0	0.00	5.99	0.05	0	0	0	100	0.00	0.0	2.819	0.005	0	0	0	1
PD.10698	PL.71547	B	30T	7.14Y	119.0	0.00	5.99	0.05	0	0	0	100	0.00	0.0	2.819	0.005	0	0	0	1
PL.71548	PD.10698	B	#4 ACSR	7.14Y	119.0	0.00	5.99	0.05	0	0	0	100	0.00	0.0	2.834	0.015	0	0	1	1
PL.70636	PL.71687	A	#1/0 ACSR	7.20Y	120.0	0.03	4.97	17.01	7	119	29	97	0.03	0.0	2.462	0.091	10	2	1	15
PL.70637	PL.70636	A	#1/0 ACSR	7.20Y	120.0	0.00	4.97	15.60	7	109	27	97	0.00	0.0	2.467	0.005	0	0	0	14
PD.10570	PL.70637	A	65T	7.20Y	120.0	0.00	4.97	15.60	0	109	27	97	0.00	0.0	2.467	0.005	0	0	0	14
PL.71035	PD.10570	A	#1/0 ACSR	7.20Y	120.0	0.05	5.02	13.94	6	98	24	97	0.03	0.0	2.612	0.146	0	0	0	13
PL.70641	PL.71035	A	#4 ACSR	7.20Y	119.9	0.05	5.06	10.80	8	76	18	97	0.03	0.0	2.708	0.096	0	0	0	10
PL.70642	PL.70641	A	#4 ACSR	7.20Y	119.9	0.00	5.07	2.85	2	20	5	97	0.00	0.0	2.733	0.025	20	5	2	2
PL.70643	PL.70641	A	#4 ACSR	7.20Y	119.9	0.01	5.08	4.38	3	31	7	98	0.00	0.0	2.779	0.071	8	2	1	4
PL.70645	PL.70643	A	#4 ACSR	7.20Y	119.9	0.00	5.08	3.21	2	22	5	98	0.00	0.0	2.797	0.018	0	0	0	3
PL.70646	PL.70645	A	#4 ACSR	7.20Y	119.9	0.00	5.08	1.87	1	13	3	97	0.00	0.0	2.824	0.027	13	3	1	1
PL.70981	PL.70645	A	#4 ACSR	7.19Y	119.9	0.01	5.08	1.33	1	9	2	98	0.00	0.0	2.898	0.101	2	0	1	2
PL.70647	PL.70981	A	#1/0 ACSR	7.19Y	119.9	0.00	5.09	1.11	0	8	2	97	0.00	0.0	3.020	0.122	8	2	1	1
PL.71033	PL.70641	A	#4 ACSR	7.20Y	119.9	0.00	5.07	3.57	3	25	6	97	0.00	0.0	2.747	0.038	10	2	2	4
PL.70644	PL.71033	A	#4 ACSR	7.20Y	119.9	0.00	5.07	2.10	2	15	4	97	0.00	0.0	2.796	0.049	0	0	0	2
PL.71045	PL.70644	A	#4 ACSR	7.20Y	119.9	0.01	5.08	2.10	2	15	4	97	0.00	0.0	2.944	0.148	15	4	2	2
PL.70640	PL.71035	A	#4 ACSR	7.20Y	120.0	0.00	5.02	3.14	2	22	5	98	0.00	0.0	2.660	0.047	22	5	3	3
PL.70638	PD.10570	A	#1/0 ACSR	7.20Y	120.0	0.00	4.97	1.67	1	12	3	97	0.00	0.0	2.510	0.043	12	3	1	1
PL.71431	PL.71687	ABC	#1/0 ACSR	7.20Y	120.1	0.01	4.95	8.99	4	185	59	95	0.01	0.0	2.428	0.057	15	4	1	8
PL.71432	PL.71431	ABC	#1/0 ACSR	7.20Y	120.0	0.00	4.95	8.26	4	170	55	95	0.01	0.0	2.459	0.031	3	1	1	7
PL.71319	PL.71432	ABC	#1/0 ACSR	7.20Y	120.0	0.00	4.96	8.11	4	166	54	95	0.00	0.0	2.505	0.046	120	43	3	6
PL.70639	PL.71319	B	#4 ACSR	7.20Y	120.0	0.01	4.97	6.62	5	46	11	97	0.00	0.0	2.554	0.049	2	1	1	3
PL.71541	PL.70639	B	#1/0 ACSR	7.20Y	120.0	0.00	4.97	6.27	3	44	11	97	0.00	0.0	2.570	0.016	0	0	0	2
PD.10695	PL.71541	B	65T	7.20Y	120.0	0.00	4.97	6.27	0	44	11	97	0.00	0.0	2.570	0.016	0	0	0	2
PL.71542	PD.10695	B	#1/0 ACSR	7.20Y	120.0	0.01	4.98	6.27	3	44	11	97	0.00	0.0	2.632	0.062	32	8	1	2
PL.71312	PL.71542	B	#1/0 ACSR	7.20Y	120.0	0.00	4.98	1.66	1	12	3	97	0.00	0.0	2.655	0.022	12	3	1	1
PL.70630	PL.70978	C	#1/0 ACSR	7.22Y	120.4	0.00	4.62	21.21	9	149	36	97	0.00	0.0	2.187	0.005	0	0	0	9

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

Balanced Voltage Drop Report
Source: Annville

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.10676	PL.70630	C	65T	7.22Y	120.4	0.00	4.62	21.21	0	149	36	97	0.00	0.0	2.187	0.005	0	0	0	9
PL.71034	PD.10676	C	#1/0 ACSR	7.22Y	120.4	0.00	4.62	2.77	1	19	5	97	0.00	0.0	2.228	0.041	19	5	2	2
PL.70631	PD.10676	C	#4 ACSR	7.22Y	120.3	0.05	4.67	18.44	14	129	32	97	0.05	0.0	2.248	0.060	0	0	0	7
PL.70633	PL.70631	C	#4 ACSR	7.22Y	120.3	0.01	4.68	18.44	14	129	32	97	0.01	0.0	2.277	0.029	96	23	2	7
PL.71272	PL.70633	C	#4 ACSR	7.22Y	120.3	0.00	4.68	2.74	2	19	5	97	0.00	0.0	2.296	0.019	13	3	2	4
PL.71273	PL.71272	C	#4 ACSR	7.22Y	120.3	0.00	4.68	0.86	1	6	1	99	0.00	0.0	2.351	0.055	4	1	1	2
PL.70635	PL.71273	C	#4 ACSR	7.22Y	120.3	0.00	4.68	0.35	0	2	1	89	0.00	0.0	2.483	0.132	2	1	1	1
PL.70634	PL.70633	C	#4 ACSR	7.22Y	120.3	0.00	4.68	1.97	2	14	3	98	0.00	0.0	2.310	0.033	14	3	1	1
PL.71605	PL.70629	C	#1/0 ACSR	7.24Y	120.6	0.00	4.37	0.78	0	6	1	99	0.00	0.0	2.048	0.004	0	0	0	1
PD.10731	PL.71605	C	65T	7.24Y	120.6	0.00	4.37	0.78	0	6	1	99	0.00	0.0	2.048	0.004	0	0	0	1
PL.71606	PD.10731	C	#1/0 ACSR	7.24Y	120.6	0.00	4.37	0.78	0	6	1	99	0.00	0.0	2.063	0.015	6	1	1	1
PL.71613	PL.71708	C	#4 ACSR	7.26Y	121.0	0.00	4.01	23.34	18	165	40	97	0.01	0.0	1.851	0.004	0	0	0	30
PD.10736	PL.71613	C	65T	7.26Y	121.0	0.00	4.01	23.34	0	165	40	97	0.00	0.0	1.851	0.004	0	0	0	30
PL.71614	PD.10736	C	#4 ACSR	7.26Y	120.9	0.04	4.05	23.34	18	165	40	97	0.05	0.0	1.894	0.043	14	3	2	30
PL.71261	PL.71614	C	#4 ACSR	7.25Y	120.9	0.08	4.13	21.34	16	150	37	97	0.09	0.1	1.975	0.082	0	0	0	28
PL.71274	PL.71261	C	#4 ACSR	7.25Y	120.8	0.03	4.16	21.34	16	150	37	97	0.04	0.0	2.013	0.037	13	3	3	28
PL.71275	PL.71274	C	#4 ACSR	7.25Y	120.8	0.03	4.19	19.56	15	138	34	97	0.03	0.0	2.051	0.038	48	12	9	25
PL.71257	PL.71275	C	#4 ACSR	7.25Y	120.8	0.04	4.22	11.74	9	83	20	97	0.02	0.0	2.121	0.070	7	2	1	12
PL.71258	PL.71257	C	#4 ACSR	7.24Y	120.7	0.03	4.25	10.80	8	76	19	97	0.02	0.0	2.187	0.066	17	4	4	11
PL.71162	PL.71258	C	#4 ACSR	7.24Y	120.7	0.01	4.26	8.40	6	59	14	97	0.00	0.0	2.215	0.028	0	0	0	7
PL.70627	PL.71162	C	#1/0 ACSR	7.24Y	120.7	0.00	4.26	2.15	1	15	4	97	0.00	0.0	2.240	0.025	15	4	2	2
PL.71259	PL.71162	C	#4 ACSR	7.24Y	120.7	0.01	4.27	6.25	5	44	11	97	0.00	0.0	2.244	0.029	6	1	1	5
PL.71260	PL.71259	C	#4 ACSR	7.24Y	120.7	0.01	4.27	5.39	4	38	9	97	0.00	0.0	2.271	0.027	8	2	1	4
PL.71255	PL.71260	C	#4 ACSR	7.24Y	120.7	0.00	4.28	4.30	3	30	7	97	0.00	0.0	2.288	0.017	14	3	1	3
PL.71256	PL.71255	C	#4 ACSR	7.24Y	120.7	0.00	4.28	2.31	2	16	4	97	0.00	0.0	2.309	0.021	7	2	1	2
PL.70628	PL.71256	C	#1/0 ACSR	7.24Y	120.7	0.00	4.28	1.30	1	9	2	98	0.00	0.0	2.340	0.031	9	2	1	1
PL.70626	PL.71275	C	#2 ACSR	7.25Y	120.8	0.00	4.19	0.99	1	7	2	96	0.00	0.0	2.064	0.014	7	2	4	4
CP.109	PL.71707	ABC	Cap (300)	7.27Y	121.1	0.00	3.88	0.00	0	0	0	100	0.00	0.0	1.783	0.014	0	0	0	0
PL.71611	PL.70974	A	#4 ACSR	7.27Y	121.2	0.00	3.79	6.43	5	45	11	97	0.00	0.0	1.738	0.004	0	0	0	10
PD.10735	PL.71611	A	65T	7.27Y	121.2	0.00	3.79	6.43	0	45	11	97	0.00	0.0	1.738	0.004	0	0	0	10
PL.71612	PD.10735	A	#4 ACSR	7.27Y	121.2	0.01	3.80	6.43	5	45	11	97	0.00	0.0	1.790	0.052	29	7	3	10

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Balanced Voltage Drop Report
Source: Annville

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.70624	PL.71612	A	#4 ACSR	7.27Y	121.2	0.00	3.80	2.30	2	16	4	97	0.00	0.0	1.836	0.046	8	2	6	7
PL.70625	PL.70624	A	#4 ACSR	7.27Y	121.2	0.00	3.80	1.17	1	8	2	97	0.00	0.0	1.850	0.013	8	2	1	1
PL.71497	PL.71250	C	#2 ACSR	7.28Y	121.3	0.00	3.74	7.33	4	52	13	97	0.00	0.0	1.715	0.004	0	0	0	13
PD.10671	PL.71497	C	65T	7.28Y	121.3	0.00	3.74	7.33	0	52	13	97	0.00	0.0	1.715	0.004	0	0	0	13
PL.71498	PD.10671	C	#2 ACSR	7.27Y	121.2	0.01	3.75	7.33	4	52	13	97	0.00	0.0	1.757	0.042	0	0	0	13
PL.70622	PL.71498	C	#2 ACSR	7.27Y	121.2	0.00	3.75	1.69	1	12	3	97	0.00	0.0	1.770	0.014	12	3	7	7
PL.71164	PL.71498	C	#2 ACSR	7.27Y	121.2	0.00	3.76	5.64	3	40	10	97	0.00	0.0	1.786	0.029	7	2	1	6
PL.71032	PL.71164	C	#2 ACSR	7.27Y	121.2	0.00	3.76	3.13	2	22	5	98	0.00	0.0	1.810	0.025	22	5	4	4
PL.70623	PL.71164	C	#1/0 ACSR	7.27Y	121.2	0.00	3.76	1.53	1	11	3	96	0.00	0.0	1.824	0.039	11	3	1	1
PL.71609	PL.70972	B	#4 ACSR	7.28Y	121.4	0.00	3.64	15.79	12	112	27	97	0.00	0.0	1.664	0.004	0	0	0	20
PD.10734	PL.71609	B	65T	7.28Y	121.4	0.00	3.64	15.79	0	112	27	97	0.00	0.0	1.664	0.004	0	0	0	20
PL.71610	PD.10734	B	#4 ACSR	7.28Y	121.3	0.02	3.66	15.79	12	112	27	97	0.02	0.0	1.692	0.028	12	3	2	20
PL.71246	PL.71610	B	#4 ACSR	7.28Y	121.3	0.04	3.70	14.05	11	99	24	97	0.03	0.0	1.751	0.059	8	2	2	18
PL.71247	PL.71246	B	#4 ACSR	7.28Y	121.3	0.02	3.72	12.93	10	91	22	97	0.02	0.0	1.796	0.045	18	4	4	16
PL.71248	PL.71247	B	#4 ACSR	7.28Y	121.3	0.01	3.73	10.39	8	73	18	97	0.00	0.0	1.813	0.017	0	0	0	12
PL.71030	PL.71248	B	#4 ACSR	7.28Y	121.3	0.00	3.73	1.15	1	8	2	97	0.00	0.0	1.860	0.046	8	2	1	1
PL.70617	PL.71248	B	#4 ACSR	7.28Y	121.3	0.02	3.74	9.25	7	65	16	97	0.01	0.0	1.859	0.045	16	4	3	11
PL.70618	PL.70617	B	#4 ACSR	7.27Y	121.2	0.01	3.76	6.92	5	49	12	97	0.00	0.0	1.904	0.045	7	2	2	8
PL.70619	PL.70618	B	#4 ACSR	7.27Y	121.2	0.01	3.77	5.93	5	42	10	97	0.00	0.0	1.950	0.046	0	0	0	6
PL.71242	PL.70619	B	#4 ACSR	7.27Y	121.2	0.00	3.77	5.06	4	36	9	97	0.00	0.0	1.965	0.016	12	3	2	5
PL.71243	PL.71242	B	#4 ACSR	7.27Y	121.2	0.00	3.77	3.35	3	24	6	97	0.00	0.0	1.987	0.022	16	4	2	3
PL.70620	PL.71243	B	#1/0 ACSR	7.27Y	121.2	0.00	3.78	1.11	0	8	2	97	0.00	0.0	2.022	0.035	8	2	1	1
PL.71031	PL.70619	B	#4 ACSR	7.27Y	121.2	0.00	3.77	0.88	1	6	2	95	0.00	0.0	1.972	0.022	6	2	1	1
PL.71495	PL.70972	A	#4 ACSR	7.28Y	121.4	0.00	3.64	5.61	4	40	10	97	0.00	0.0	1.664	0.004	0	0	0	6
PD.10670	PL.71495	A	65T	7.28Y	121.4	0.00	3.64	5.61	0	40	10	97	0.00	0.0	1.664	0.004	0	0	0	6
PL.71496	PD.10670	A	#4 ACSR	7.28Y	121.3	0.01	3.65	5.61	4	40	10	97	0.00	0.0	1.734	0.069	40	10	6	6
PL.71592	PL.70965	A	#1/0 ACSR	7.31Y	121.8	0.00	3.23	2.69	1	19	5	97	0.00	0.0	1.466	0.004	0	0	0	3
PD.10721	PL.71592	A	65T	7.31Y	121.8	0.00	3.23	2.69	0	19	5	97	0.00	0.0	1.466	0.004	0	0	0	3
PL.71591	PD.10721	A	#1/0 ACSR	7.31Y	121.8	0.00	3.23	2.69	1	19	5	97	0.00	0.0	1.479	0.013	19	5	3	3
PL.71589	PL.71073	C	#4 ACSR	7.31Y	121.9	0.00	3.12	0.99	1	7	2	96	0.00	0.0	1.420	0.004	0	0	0	1
PD.10720	PL.71589	C	65T	7.31Y	121.9	0.00	3.12	0.99	0	7	2	96	0.00	0.0	1.420	0.004	0	0	0	1

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Balanced Voltage Drop Report
Source: Annville

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.71590	PD.10720	C	#4 ACSR	7.31Y	121.9	0.00	3.12	0.99	1	7	2	96	0.00	0.0	1.461	0.041	7	2	1	1
PL.70593	PL.71040	ABC	#1/0 ACSR	7.45Y	124.1	0.00	0.89	0.00	0	0	0	100	0.00	0.0	0.521	0.082	0	0	0	1
PL.70954	PL.70593	ABC	#1/0 ACSR	7.45Y	124.1	0.00	0.89	0.00	0	0	0	100	0.00	0.0	0.555	0.034	0	0	1	1
PL.70973	Annville	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	10.14	2	222	55	97	0.00	0.0	0.004	0.004	0	0	0	51
PL.72570	PL.70973	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	10.14	2	222	55	97	0.00	0.0	0.007	0.003	0	0	0	51
---------- Feeder No. 5 (Welchburg F5) Beginning with Device PD.11199 ----------																				
PD.11199	PL.72570	ABC	400VWE	7.50Y	125.0	0.00	0.00	10.14	0	222	55	97	0.00	0.0	0.007	0.003	0	0	0	51
PL.71104	PD.11199	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	10.14	2	222	55	97	0.00	0.0	0.165	0.158	0	0	0	51
PL.72214	PL.71104	ABC	336 MCM AC	7.50Y	125.0	0.01	0.01	10.14	2	222	55	97	0.01	0.0	0.249	0.084	0	0	0	51
PL.72216	PL.72214	C	6 A (CWC)	7.50Y	125.0	0.00	0.01	30.30	22	221	54	97	0.01	0.0	0.252	0.003	0	0	0	47
PD.10778	PL.72216	C	50L	7.50Y	125.0	0.00	0.01	30.30	61	221	54	97	0.00	0.0	0.252	0.003	0	0	0	47
PL.72215	PD.10778	C	6 A (CWC)	7.50Y	125.0	0.00	0.02	1.33	1	10	2	98	0.00	0.0	0.278	0.026	0	0	0	2
PL.72217	PL.72215	C	6 A (CWC)	7.50Y	125.0	0.00	0.02	1.33	1	10	2	98	0.00	0.0	0.303	0.025	10	2	2	2
PL.72450	PD.10778	C	6 A (CWC)	7.50Y	124.9	0.04	0.06	28.97	21	211	52	97	0.07	0.0	0.285	0.033	1	0	4	45
PL.72462	PL.72450	C	6 A (CWC)	7.49Y	124.9	0.05	0.10	28.81	21	210	52	97	0.07	0.0	0.320	0.035	2	0	1	41
PL.72463	PL.72462	C	6 A (CWC)	7.49Y	124.9	0.04	0.15	28.55	20	208	51	97	0.07	0.0	0.353	0.033	2	0	1	40
PL.72464	PL.72463	C	6 A (CWC)	7.48Y	124.7	0.11	0.26	28.27	20	206	51	97	0.17	0.1	0.439	0.086	0	0	0	39
PL.72465	PL.72464	C	6 A (CWC)	7.48Y	124.6	0.12	0.38	28.27	20	205	51	97	0.18	0.1	0.534	0.095	0	0	0	39
PL.72218	PL.72465	C	6 A (CWC)	7.47Y	124.5	0.13	0.51	28.27	20	205	51	97	0.20	0.1	0.638	0.104	0	0	0	39
PL.72249	PL.72218	C	6 A (CWC)	7.46Y	124.3	0.23	0.74	27.13	19	197	48	97	0.33	0.2	0.822	0.184	0	0	0	38
PL.72453	PL.72249	C	6 A (CWC)	7.45Y	124.2	0.10	0.84	27.13	19	196	48	97	0.15	0.1	0.906	0.084	0	0	0	38
PL.72221	PL.72453	C	6 A (CWC)	7.45Y	124.1	0.04	0.88	9.10	6	66	16	97	0.02	0.0	1.010	0.104	4	1	2	13
PL.72220	PL.72221	C	6 A (CWC)	7.45Y	124.1	0.01	0.89	2.36	2	17	4	97	0.00	0.0	1.086	0.077	7	2	1	3
PL.72226	PL.72220	C	#1/0 ACSR	7.45Y	124.1	0.00	0.89	1.44	1	10	3	96	0.00	0.0	1.202	0.116	0	0	0	2
PL.72246	PL.72226	C	#1/0 ACSR	7.45Y	124.1	0.00	0.89	1.44	1	10	3	96	0.00	0.0	1.263	0.061	10	3	2	2
PL.72250	PL.72221	C	6 A (CWC)	7.45Y	124.1	0.01	0.89	3.01	2	22	5	98	0.00	0.0	1.082	0.073	6	1	3	6
PL.72223	PL.72250	C	#1/0 ACSR	7.45Y	124.1	0.00	0.89	2.17	1	16	4	97	0.00	0.0	1.119	0.037	0	0	0	3
PL.72224	PL.72223	C	#1/0 ACSR	7.45Y	124.1	0.00	0.89	1.67	1	12	3	97	0.00	0.0	1.146	0.027	12	3	1	1
PL.72459	PL.72223	C	#1/0 ACSR	7.45Y	124.1	0.00	0.89	0.50	0	4	1	97	0.00	0.0	1.155	0.036	0	0	1	2

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Balanced Voltage Drop Report
Source: Annville

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.72460	PL.72459	C	#1/0 ACSR	7.45Y	124.1	0.00	0.89	0.50	0	4	1	97	0.00	0.0	1.273	0.118	0	0	0	1
PL.72251	PL.72460	C	#1/0 ACSR	7.45Y	124.1	0.00	0.89	0.00	0	0	0	100	0.00	0.0	1.329	0.055	0	0	0	0
PL.72225	PL.72460	C	#1/0 ACSR	7.45Y	124.1	0.00	0.90	0.50	0	4	1	97	0.00	0.0	1.320	0.047	4	1	1	1
PL.72222	PL.72221	C	#4 ACSR	7.45Y	124.1	0.00	0.88	3.20	2	23	6	97	0.00	0.0	1.035	0.025	23	6	2	2
PL.72227	PL.72453	C	6 A (CWC)	7.44Y	124.0	0.15	0.99	18.03	13	130	32	97	0.15	0.1	1.093	0.187	0	0	0	25
PL.72454	PL.72227	C	6 A (CWC)	7.44Y	123.9	0.08	1.07	18.03	13	130	32	97	0.07	0.1	1.188	0.095	0	0	0	25
PL.72228	PL.72454	C	#1/0 ACSR	7.44Y	123.9	0.00	1.07	0.64	0	5	1	98	0.00	0.0	1.235	0.047	5	1	1	1
PL.72466	PL.72454	C	6 A (CWC)	7.43Y	123.9	0.07	1.15	17.39	12	126	31	97	0.07	0.1	1.283	0.096	3	1	1	24
PL.72467	PL.72466	C	6 A (CWC)	7.43Y	123.8	0.01	1.16	16.96	12	122	30	97	0.01	0.0	1.302	0.019	0	0	0	23
PL.72252	PL.72467	C	6 A (CWC)	7.43Y	123.8	0.07	1.23	16.04	11	116	28	97	0.06	0.1	1.396	0.093	0	0	0	21
PL.72456	PL.72252	C	6 A (CWC)	7.42Y	123.7	0.07	1.30	16.04	11	116	28	97	0.06	0.1	1.494	0.098	0	0	0	21
PL.72253	PL.72456	C	6 A (CWC)	7.42Y	123.6	0.11	1.41	14.34	10	103	25	97	0.08	0.1	1.655	0.162	0	0	0	20
PL.72471	PL.72253	C	6 A (CWC)	7.41Y	123.5	0.05	1.46	12.35	9	89	22	97	0.03	0.0	1.745	0.090	0	0	1	17
PL.72472	PL.72471	C	6 A (CWC)	7.41Y	123.5	0.02	1.47	12.35	9	89	22	97	0.01	0.0	1.774	0.029	0	0	0	16
PL.72254	PL.72472	C	6 A (CWC)	7.41Y	123.4	0.09	1.56	12.01	9	86	21	97	0.06	0.1	1.931	0.157	0	0	0	15
PL.72234	PL.72254	C	6 A (CWC)	7.40Y	123.4	0.05	1.61	12.01	9	86	21	97	0.03	0.0	2.025	0.094	0	0	0	15
PL.72476	PL.72234	C	6 A (CWC)	7.40Y	123.4	0.01	1.61	2.08	1	15	4	97	0.00	0.0	2.120	0.095	7	2	1	2
PL.72477	PL.72476	C	6 A (CWC)	7.40Y	123.4	0.00	1.62	1.06	1	8	2	97	0.00	0.0	2.166	0.046	8	2	1	1
PL.72255	PL.72234	C	6 A (CWC)	7.40Y	123.3	0.04	1.65	9.92	7	71	17	97	0.02	0.0	2.121	0.096	0	0	0	13
PL.72480	PL.72255	C	6 A (CWC)	7.40Y	123.3	0.00	1.65	9.92	7	71	17	97	0.00	0.0	2.126	0.005	0	0	0	13
PD.10776	PL.72480	C	20T	7.40Y	123.3	0.00	1.65	9.92	0	71	17	97	0.00	0.0	2.126	0.005	0	0	0	13
PL.72481	PD.10776	C	6 A (CWC)	7.40Y	123.3	0.04	1.70	9.92	7	71	17	97	0.02	0.0	2.222	0.096	0	0	0	13
PL.72458	PL.72481	C	6 A (CWC)	7.40Y	123.3	0.04	1.74	9.92	7	71	17	97	0.02	0.0	2.316	0.095	0	0	0	13
PL.72457	PL.72458	C	6 A (CWC)	7.39Y	123.2	0.08	1.82	9.92	7	71	17	97	0.04	0.1	2.504	0.187	0	0	0	13
PL.72235	PL.72457	C	#1/0 ACSR	7.39Y	123.2	0.00	1.82	2.32	1	17	4	97	0.00	0.0	2.515	0.011	17	4	2	2
PL.72237	PL.72457	C	6 A (CWC)	7.39Y	123.1	0.03	1.86	7.59	5	54	13	97	0.01	0.0	2.598	0.094	0	0	0	10
PL.72238	PL.72237	C	6 A (CWC)	7.39Y	123.1	0.03	1.89	6.23	4	45	11	97	0.01	0.0	2.713	0.115	0	0	1	9
PL.72239	PL.72238	C	6 A (CWC)	7.39Y	123.1	0.01	1.89	3.00	2	22	5	98	0.00	0.0	2.759	0.046	6	1	1	3
PL.72240	PL.72239	C	#1/0 ACSR	7.39Y	123.1	0.01	1.90	2.19	1	16	4	97	0.00	0.0	2.931	0.172	0	0	0	2
PL.72241	PL.72240	C	#1/0 ACSR	7.39Y	123.1	0.00	1.90	0.74	0	5	1	98	0.00	0.0	2.991	0.060	5	1	1	1
PL.72448	PL.72240	C	#1/0 ACSR	7.39Y	123.1	0.00	1.90	1.45	1	10	3	96	0.00	0.0	3.022	0.091	10	3	1	1

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Balanced Voltage Drop Report
Source: Annville

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.72449	PL.72238	C	6 A (CWC)	7.39Y	123.1	0.02	1.90	3.23	2	23	6	97	0.00	0.0	2.817	0.104	0	0	0	5
PL.72473	PL.72449	C	6 A (CWC)	7.39Y	123.1	0.00	1.91	3.23	2	23	6	97	0.00	0.0	2.835	0.018	7	2	1	5
PL.72474	PL.72473	C	6 A (CWC)	7.39Y	123.1	0.00	1.91	2.30	2	16	4	97	0.00	0.0	2.889	0.054	9	2	2	4
PL.72475	PL.72474	C	6 A (CWC)	7.39Y	123.1	0.00	1.91	1.04	1	7	2	96	0.00	0.0	2.940	0.052	0	0	0	2
PL.72256	PL.72475	C	6 A (CWC)	7.39Y	123.1	0.00	1.91	0.26	0	2	0	100	0.00	0.0	2.986	0.046	0	0	0	1
PL.72244	PL.72256	C	#4 ACSR	7.39Y	123.1	0.00	1.91	0.26	0	2	0	100	0.00	0.0	3.024	0.038	0	0	0	1
PL.72245	PL.72244	C	6 A (CWC)	7.39Y	123.1	0.00	1.91	0.26	0	2	0	100	0.00	0.0	3.083	0.059	2	0	1	1
PL.72242	PL.72475	C	#2 ACSR	7.39Y	123.1	0.00	1.91	0.78	0	6	1	99	0.00	0.0	3.001	0.061	0	0	0	1
PL.72243	PL.72242	C	#1/0 ACSR	7.39Y	123.1	0.00	1.91	0.78	0	6	1	99	0.00	0.0	3.033	0.032	6	1	1	1
PL.72478	PL.72237	C	#1/0 ACSR	7.39Y	123.1	0.00	1.86	1.35	1	10	2	98	0.00	0.0	2.603	0.005	0	0	0	1
PD.10775	PL.72478	C	20T	7.39Y	123.1	0.00	1.86	1.35	0	10	2	98	0.00	0.0	2.603	0.005	0	0	0	1
PL.72479	PD.10775	C	#1/0 ACSR	7.39Y	123.1	0.00	1.86	1.35	1	10	2	98	0.00	0.0	2.652	0.049	10	2	1	1
PL.72236	PL.72457	C	6 A (CWC)	7.39Y	123.2	0.00	1.82	0.01	0	0	0	100	0.00	0.0	2.534	0.031	0	0	1	1
PL.72233	PL.72472	C	#4 ACSR	7.41Y	123.5	0.00	1.47	0.34	0	2	1	89	0.00	0.0	1.877	0.104	2	1	1	1
PL.72231	PL.72253	C	#4 ACSR	7.42Y	123.6	0.00	1.41	1.97	2	14	3	98	0.00	0.0	1.717	0.061	14	3	2	2
PL.72232	PL.72253	C	6 A (CWC)	7.42Y	123.6	0.00	1.41	0.02	0	0	0	100	0.00	0.0	1.765	0.110	0	0	1	1
PL.72230	PL.72253	C	6 A (CWC)	7.42Y	123.6	0.00	1.41	0.00	0	0	0	100	0.00	0.0	1.712	0.056	0	0	0	0
PL.72229	PL.72456	C	6 A (CWC)	7.42Y	123.7	0.00	1.30	1.70	1	12	3	97	0.00	0.0	1.538	0.044	12	3	1	1
PL.72469	PL.72467	C	#4 ACSR	7.43Y	123.8	0.00	1.16	0.92	1	7	2	96	0.00	0.0	1.396	0.093	1	0	1	2
PL.72470	PL.72469	C	#4 ACSR	7.43Y	123.8	0.00	1.17	0.85	1	6	1	99	0.00	0.0	1.439	0.044	6	1	1	1
PL.72468	PL.72470	C	#4 ACSR	7.43Y	123.8	0.00	1.17	0.00	0	0	0	100	0.00	0.0	1.519	0.080	0	0	0	0
PL.72455	PL.72468	C	#4 ACSR	7.43Y	123.8	0.00	1.17	0.00	0	0	0	100	0.00	0.0	1.684	0.165	0	0	0	0
PL.72219	PL.72218	C	6 A (CWC)	7.47Y	124.5	0.00	0.51	1.14	1	8	2	97	0.00	0.0	0.701	0.063	8	2	1	1
PL.72482	PL.72214	A	6 A (CWC)	7.50Y	125.0	0.00	0.01	0.13	0	1	0	100	0.00	0.0	0.254	0.005	0	0	0	4
PD.10777	PL.72482	A	65T	7.50Y	125.0	0.00	0.01	0.13	0	1	0	100	0.00	0.0	0.254	0.005	0	0	0	4
PL.72483	PD.10777	A	6 A (CWC)	7.50Y	125.0	0.00	0.01	0.13	0	1	0	100	0.00	0.0	0.341	0.087	0	0	1	4
PL.72461	PL.72483	A	6 A (CWC)	7.50Y	125.0	0.00	0.01	0.11	0	1	0	100	0.00	0.0	0.419	0.078	0	0	0	3
PL.72247	PL.72461	A	6 A (CWC)	7.50Y	125.0	0.00	0.01	0.11	0	1	0	100	0.00	0.0	0.453	0.034	0	0	0	3
PL.72451	PL.72247	A	6 A (CWC)	7.50Y	125.0	0.00	0.01	0.00	0	0	0	100	0.00	0.0	0.457	0.004	0	0	0	0
PD.10774-B	PL.72451	A	Open	7.50Y	125.0	0.00	0.01	0.00	0	0	0	100	0.00	0.0	0.457	0.004	0	0	0	0
PL.72248	PL.72247	A	6 A (CWC)	7.50Y	125.0	0.00	0.01	0.11	0	1	0	100	0.00	0.0	0.551	0.098	0	0	0	3

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Balanced Voltage Drop Report
Source: Annville

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.72452	PL.72248	A	6 A (CWC)	7.50Y	125.0	0.00	0.01	0.11	0	1	0	100	0.00	0.0	0.663	0.112	1	0	3	3

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	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	9245	0	0	0	0	0	354	0.00	9599
KVAR	2594	0	0	0	0	0	580		3174

Lowest Voltage = 118.12 on Element PL.71380
Max Accm VoltD = 6.88 on Element PL.71380
Max Elem VoltD = 0.41 on Element PL.70658