

Balanced Voltage Drop Report
Source: Annville

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----			
																KW	KVAR	Cons On	Cons Thru	
Annville		ABC	SRC-Annvil	7.50Y	125.0	0.00	0.00	409.99	0	8765	2875	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	82.06	16	1780	491	96	0.00	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	82.06	16	1780	491	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	82.06	0	1780	491	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	82.06	16	1780	491	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	82.06	16	1780	491	96	0.04	0.0	0.063	0.047	0	0	0	407
PL.71712	PL.71711	ABC	336 MCM AC	7.50Y	124.9	0.04	0.06	82.06	16	1780	490	96	0.40	0.0	0.134	0.071	0	0	0	407
PL.71713	PL.71712	ABC	336 MCM AC	7.49Y	124.9	0.07	0.13	82.06	16	1779	489	96	0.63	0.0	0.244	0.110	0	0	0	407
PL.72019	PL.71713	ABC	336 MCM AC	7.49Y	124.8	0.11	0.24	82.06	16	1779	488	96	1.05	0.1	0.429	0.184	0	0	0	407
PL.71717	PL.72019	ABC	336 MCM AC	7.48Y	124.7	0.03	0.26	82.06	16	1778	485	96	0.24	0.0	0.472	0.043	0	0	0	407
PL.71714	PL.71717	ABC	336 MCM AC	7.48Y	124.7	0.02	0.28	82.06	16	1778	485	96	0.17	0.0	0.502	0.030	0	0	0	407
PL.71715	PL.71714	ABC	336 MCM AC	7.48Y	124.7	0.05	0.33	82.06	16	1777	484	96	0.42	0.0	0.576	0.074	0	0	0	407
PL.72020	PL.71715	ABC	336 MCM AC	7.48Y	124.6	0.08	0.41	82.06	16	1777	483	96	0.76	0.0	0.709	0.133	0	0	0	407
PL.72021	PL.72020	ABC	336 MCM AC	7.47Y	124.5	0.11	0.51	82.06	16	1776	482	97	0.99	0.1	0.884	0.174	0	0	0	407
PL.71716	PL.72021	ABC	336 MCM AC	7.47Y	124.5	0.02	0.53	82.06	16	1775	479	97	0.20	0.0	0.919	0.035	0	0	0	407
PL.71718	PL.71716	ABC	336 MCM AC	7.46Y	124.4	0.07	0.60	82.06	16	1775	479	97	0.66	0.0	1.036	0.117	0	0	0	407
PL.72022	PL.71718	ABC	336 MCM AC	7.46Y	124.3	0.07	0.68	82.06	16	1774	477	97	0.67	0.0	1.155	0.119	0	0	0	407
PL.72023	PL.72022	ABC	336 MCM AC	7.46Y	124.3	0.07	0.75	82.06	16	1774	476	97	0.68	0.0	1.274	0.120	0	0	0	407
PL.72024	PL.72023	ABC	336 MCM AC	7.45Y	124.2	0.08	0.83	82.06	16	1773	474	97	0.78	0.0	1.412	0.138	0	0	0	407
PL.71719	PL.72024	ABC	336 MCM AC	7.45Y	124.1	0.02	0.85	82.06	16	1772	472	97	0.20	0.0	1.448	0.036	0	0	0	407
PL.72025	PL.71719	ABC	336 MCM AC	7.45Y	124.1	0.03	0.88	82.06	16	1772	472	97	0.26	0.0	1.495	0.047	0	0	0	407
PL.71720	PL.72025	ABC	336 MCM AC	7.44Y	124.1	0.06	0.94	82.06	16	1772	471	97	0.57	0.0	1.595	0.101	0	0	0	407
PL.71724	PL.71720	ABC	336 MCM AC	7.44Y	124.0	0.07	1.01	82.06	16	1771	470	97	0.67	0.0	1.713	0.118	0	0	0	407
PL.72026	PL.71724	ABC	336 MCM AC	7.44Y	123.9	0.06	1.07	82.06	16	1771	468	97	0.55	0.0	1.811	0.098	0	0	0	407
PL.71723	PL.72026	ABC	336 MCM AC	7.43Y	123.9	0.08	1.15	82.06	16	1770	467	97	0.73	0.0	1.940	0.129	0	0	0	407
PL.72027	PL.71723	ABC	336 MCM AC	7.43Y	123.8	0.05	1.20	82.06	16	1769	465	97	0.52	0.0	2.031	0.091	0	0	0	407
PL.71722	PL.72027	ABC	336 MCM AC	7.43Y	123.8	0.03	1.23	82.06	16	1769	464	97	0.26	0.0	2.077	0.046	0	0	0	407
PL.71721	PL.71722	ABC	336 MCM AC	7.42Y	123.7	0.02	1.25	82.06	16	1768	463	97	0.21	0.0	2.115	0.038	0	0	0	407
PL.71725	PL.71721	ABC	#1/0 ACSR	7.42Y	123.7	0.05	1.30	82.06	36	1768	463	97	0.57	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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Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.71726	PL.71725	ABC	#1/0 ACSR	7.42Y	123.6	0.10	1.40	82.06	36	1768	462	97	1.24	0.1	2.216	0.069	0	0	0	407
PL.72400	PL.71726	ABC	#1/0 ACSR	7.42Y	123.6	0.01	1.41	82.06	36	1766	461	97	0.08	0.0	2.220	0.005	0	0	0	407
PD.10756-A	PL.72400	ABC	Closed	7.42Y	123.6	0.00	1.41	82.06	0	1766	461	97	0.00	0.0	2.220	0.005	0	0	0	407
PD.10756-B	PD.10756-A	ABC	Closed	7.42Y	123.6	0.00	1.41	82.06	0	1766	461	97	0.00	0.0	2.220	0.005	0	0	0	407
PL.72401	PD.10756-B	ABC	#1/0 ACSR	7.41Y	123.5	0.07	1.48	82.06	36	1766	461	97	0.84	0.0	2.267	0.047	0	0	0	407
PL.72336	PL.72401	C	#4 ACSR	7.41Y	123.5	0.00	1.48	0.09	0	1	0	100	0.00	0.0	2.272	0.005	0	0	0	1
PD.10621	PL.72336	C	65T	7.41Y	123.5	0.00	1.48	0.09	0	1	0	100	0.00	0.0	2.272	0.005	0	0	0	1
PL.72337	PD.10621	C	#4 ACSR	7.41Y	123.5	0.00	1.48	0.09	0	1	0	100	0.00	0.0	2.307	0.035	1	0	1	1
PL.71946	PL.72401	ABC	#1/0 ACSR	7.41Y	123.4	0.10	1.58	82.03	36	1765	460	97	1.22	0.1	2.335	0.068	0	0	0	406
PL.71727	PL.71946	ABC	#1/0 ACSR	7.40Y	123.4	0.03	1.61	82.03	36	1764	459	97	0.42	0.0	2.358	0.023	0	0	0	406
PL.70800	PL.71727	ABC	#1/0 ACSR	7.40Y	123.3	0.11	1.72	80.93	35	1739	453	97	1.27	0.1	2.431	0.073	7	2	1	402
PL.70801	PL.70800	ABC	#1/0 ACSR	7.39Y	123.2	0.06	1.77	80.59	35	1731	450	97	0.67	0.0	2.470	0.039	0	0	1	401
PL.71729	PL.70801	ABC	#1/0 ACSR	7.39Y	123.1	0.14	1.91	80.57	35	1730	449	97	1.63	0.1	2.565	0.094	0	0	0	400
PL.72340	PL.71729	B	6 A (CWC)	7.39Y	123.1	0.00	1.91	1.46	1	10	3	96	0.00	0.0	2.569	0.005	0	0	0	1
PD.10623	PL.72340	B	65T	7.39Y	123.1	0.00	1.91	1.46	0	10	3	96	0.00	0.0	2.569	0.005	0	0	0	1
PL.72341	PD.10623	B	6 A (CWC)	7.39Y	123.1	0.00	1.91	1.46	1	10	3	96	0.00	0.0	2.706	0.137	10	3	1	1
PL.71948	PL.71729	ABC	#1/0 ACSR	7.37Y	122.9	0.20	2.11	80.09	35	1718	445	97	2.38	0.1	2.704	0.139	0	0	0	399
PL.72334	PL.71948	A	#1/0 ACSR	7.37Y	122.9	0.00	2.11	1.46	1	10	3	96	0.00	0.0	2.708	0.005	0	0	0	1
PD.10620	PL.72334	A	65T	7.37Y	122.9	0.00	2.11	1.46	0	10	3	96	0.00	0.0	2.708	0.005	0	0	0	1
PL.72335	PD.10620	A	#1/0 ACSR	7.37Y	122.9	0.00	2.11	1.46	1	10	3	96	0.00	0.0	2.737	0.029	10	3	1	1
PL.71730	PL.71948	ABC	#1/0 ACSR	7.37Y	122.8	0.09	2.20	79.60	35	1705	440	97	1.12	0.1	2.770	0.066	5	1	1	398
PL.71949	PL.71730	ABC	#1/0 ACSR	7.36Y	122.6	0.16	2.36	79.38	35	1699	438	97	1.89	0.1	2.883	0.113	0	0	0	397
PL.71731	PL.71949	ABC	#1/0 ACSR	7.35Y	122.4	0.22	2.58	79.38	35	1697	436	97	2.59	0.2	3.037	0.154	0	0	0	397
PL.71733	PL.71731	ABC	#1/0 ACSR	7.34Y	122.3	0.09	2.67	77.66	34	1658	425	97	1.03	0.1	3.102	0.065	12	3	1	389
PL.72344	PL.71733	A	#1/0 ACSR	7.34Y	122.3	0.00	2.67	1.89	1	13	3	97	0.00	0.0	3.106	0.005	0	0	0	3
PD.10625	PL.72344	A	65T	7.34Y	122.3	0.00	2.67	1.89	0	13	3	97	0.00	0.0	3.106	0.005	0	0	0	3
PL.72345	PD.10625	A	#1/0 ACSR	7.34Y	122.3	0.00	2.67	1.89	1	13	3	97	0.00	0.0	3.246	0.140	11	3	2	3
PL.71735	PL.72345	A	#1/0 ACSR	7.34Y	122.3	0.00	2.67	0.35	0	2	1	89	0.00	0.0	3.286	0.040	2	1	1	1
PL.71734	PL.71733	ABC	#1/0 ACSR	7.33Y	122.2	0.15	2.82	76.45	33	1631	417	97	1.68	0.1	3.210	0.109	6	1	2	385
PL.71737	PL.71734	ABC	#1/0 ACSR	7.32Y	122.1	0.13	2.94	76.17	33	1623	414	97	1.44	0.1	3.304	0.094	8	2	2	383
PL.72378	PL.71737	A	#4 ACSR	7.32Y	122.1	0.00	2.94	0.36	0	3	1	95	0.00	0.0	3.308	0.005	0	0	0	1

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.10747	PL.72378	A	65T	7.32Y	122.1	0.00	2.94	0.36	0	3	1	95	0.00	0.0	3.308	0.005	0	0	0	1
PL.72379	PD.10747	A	#4 ACSR	7.32Y	122.1	0.00	2.95	0.36	0	3	1	95	0.00	0.0	3.380	0.072	0	0	0	1
PL.71745	PL.72379	A	#4 ACSR	7.32Y	122.1	0.00	2.95	0.36	0	3	1	95	0.00	0.0	3.427	0.046	3	1	1	1
PL.71953	PL.71737	ABC	#1/0 ACSR	7.31Y	121.9	0.14	3.09	75.66	33	1611	410	97	1.63	0.1	3.410	0.107	0	0	0	380
PL.72029	PL.71953	ABC	#1/0 ACSR	7.31Y	121.8	0.12	3.21	75.66	33	1609	409	97	1.37	0.1	3.501	0.090	0	0	0	380
PL.71954	PL.72029	ABC	#1/0 ACSR	7.30Y	121.7	0.07	3.28	74.46	32	1582	401	97	0.80	0.1	3.555	0.054	0	0	0	373
PL.71749	PL.71954	ABC	#1/0 ACSR	7.30Y	121.7	0.06	3.34	74.46	32	1582	400	97	0.68	0.0	3.601	0.046	0	0	0	373
PL.72414	PL.71749	ABC	#1/0 ACSR	7.30Y	121.7	0.01	3.35	74.46	32	1581	400	97	0.07	0.0	3.605	0.004	0	0	0	373
PL.72415	PL.72414	ABC	#1/0 ACSR	7.30Y	121.6	0.05	3.40	74.46	32	1581	400	97	0.58	0.0	3.644	0.039	0	0	0	373
PL.71955	PL.72415	ABC	#1/0 ACSR	7.29Y	121.5	0.13	3.53	74.42	32	1579	399	97	1.46	0.1	3.744	0.099	0	0	0	372
PL.72116	PL.71955	ABC	#1/0 ACSR	7.28Y	121.4	0.09	3.62	42.10	18	892	226	97	0.56	0.1	3.862	0.118	1	0	1	194
PL.72384	PL.72116	ABC	#1/0 ACSR	7.28Y	121.4	0.00	3.62	40.64	18	861	218	97	0.02	0.0	3.866	0.005	0	0	0	190
PL.72385	PL.72384	ABC	#1/0 ACSR	7.28Y	121.4	0.02	3.64	40.64	18	861	218	97	0.12	0.0	3.894	0.027	0	0	0	190
PL.72410	PL.72385	ABC	#1/0 ACSR	7.28Y	121.4	0.00	3.65	40.64	18	861	218	97	0.01	0.0	3.896	0.003	0	0	0	190
PD.10761	PL.72410	ABC	70L	7.28Y	121.4	0.00	3.65	40.64	58	861	218	97	0.00	0.0	3.896	0.003	0	0	0	190
PL.72411	PD.10761	ABC	#1/0 ACSR	7.28Y	121.3	0.03	3.68	40.64	18	861	218	97	0.20	0.0	3.943	0.047	14	3	2	190
PL.71956	PL.72411	ABC	#1/0 ACSR	7.27Y	121.2	0.13	3.81	39.44	17	835	211	97	0.75	0.1	4.125	0.182	0	0	0	186
PL.71757	PL.71956	A	6 A (CWC)	7.27Y	121.2	0.02	3.82	10.91	8	77	19	97	0.01	0.0	4.158	0.033	0	0	0	14
PL.71756	PL.71757	A	#1/0 ACSR	7.27Y	121.2	0.00	3.82	1.29	1	9	2	98	0.00	0.0	4.180	0.022	9	2	1	1
PL.72372	PL.71757	A	6 A (CWC)	7.27Y	121.2	0.00	3.83	9.62	7	68	17	97	0.00	0.0	4.162	0.005	0	0	0	13
PD.10744	PL.72372	A	30T	7.27Y	121.2	0.00	3.83	9.62	0	68	17	97	0.00	0.0	4.162	0.005	0	0	0	13
PL.72373	PD.10744	A	6 A (CWC)	7.27Y	121.1	0.03	3.85	9.62	7	68	17	97	0.01	0.0	4.220	0.058	0	0	0	13
PL.72114	PL.72373	A	6 A (CWC)	7.27Y	121.1	0.02	3.87	7.19	5	51	12	97	0.01	0.0	4.283	0.063	0	0	0	11
PL.72115	PL.72114	A	6 A (CWC)	7.27Y	121.1	0.02	3.89	7.19	5	51	12	97	0.01	0.0	4.346	0.063	0	0	0	11
PL.71761	PL.72115	A	6 A (CWC)	7.27Y	121.1	0.00	3.89	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)	7.26Y	121.1	0.03	3.92	7.19	5	51	12	97	0.01	0.0	4.441	0.094	0	0	0	10
PL.72059	PL.71957	A	6 A (CWC)	7.26Y	121.0	0.03	3.95	7.19	5	51	12	97	0.01	0.0	4.537	0.097	0	0	0	10
PL.71958	PL.72059	A	6 A (CWC)	7.26Y	121.0	0.02	3.97	4.04	3	29	7	97	0.00	0.0	4.633	0.095	0	0	0	7
PL.72108	PL.71958	A	6 A (CWC)	7.26Y	121.0	0.02	3.99	4.04	3	29	7	97	0.00	0.0	4.726	0.093	0	0	0	7
PL.71763	PL.72108	A	#1/0 ACSR	7.26Y	121.0	0.00	3.99	1.03	0	7	2	96	0.00	0.0	4.747	0.020	7	2	1	1
PL.72109	PL.72108	A	6 A (CWC)	7.26Y	121.0	0.01	4.00	3.02	2	21	5	97	0.00	0.0	4.792	0.065	1	0	1	6

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PL.71764	PL.72109	A	6 A (CWC)	7.26Y	121.0	0.02	4.01	2.93	2	21	5	97	0.00	0.0	4.915	0.124	0	0	0	5
PL.71765	PL.71764	A	6 A (CWC)	7.26Y	121.0	0.00	4.02	0.89	1	6	2	95	0.00	0.0	4.979	0.064	0	0	0	2
PL.71766	PL.71765	A	#4 ACSR	7.26Y	121.0	0.01	4.02	0.89	1	6	2	95	0.00	0.0	5.146	0.167	0	0	0	2
PL.72298	PL.71766	A	#4 ACSR	7.26Y	121.0	0.00	4.03	0.89	1	6	2	95	0.00	0.0	5.222	0.076	0	0	1	2
PL.72299	PL.72298	A	#4 ACSR	7.26Y	121.0	0.00	4.03	0.89	1	6	2	95	0.00	0.0	5.293	0.071	6	2	1	1
PL.71959	PL.71764	A	6 A (CWC)	7.26Y	121.0	0.02	4.03	2.04	1	14	4	96	0.00	0.0	5.088	0.172	0	0	0	3
PL.72296	PL.71959	A	6 A (CWC)	7.26Y	121.0	0.00	4.03	2.04	1	14	4	96	0.00	0.0	5.162	0.074	14	4	2	2
PL.72297	PL.72296	A	6 A (CWC)	7.26Y	121.0	0.00	4.03	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	7.26Y	121.0	0.00	4.03	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)	7.26Y	121.0	0.02	3.97	3.14	2	22	5	98	0.00	0.0	4.692	0.155	7	2	1	3
PL.71769	PL.71762	A	#4 ACSR	7.26Y	121.0	0.00	3.98	0.87	1	6	2	95	0.00	0.0	4.781	0.089	0	0	0	1
PL.72060	PL.71769	A	#4 ACSR	7.26Y	121.0	0.00	3.98	0.87	1	6	2	95	0.00	0.0	4.884	0.103	6	2	1	1
PL.71768	PL.71762	A	#4 ACSR	7.26Y	121.0	0.00	3.98	1.31	1	9	2	98	0.00	0.0	4.810	0.118	9	2	1	1
PL.71759	PL.72373	A	#4 ACSR	7.27Y	121.1	0.01	3.86	2.43	2	17	4	97	0.00	0.0	4.337	0.117	17	4	2	2
PL.72389	PL.71956	C	#4 ACSR	7.27Y	121.2	0.00	3.81	1.05	1	7	2	96	0.00	0.0	4.130	0.005	0	0	0	2
PD.10751	PL.72389	C	30T	7.27Y	121.2	0.00	3.81	1.05	0	7	2	96	0.00	0.0	4.130	0.005	0	0	0	2
PL.72388	PD.10751	C	#4 ACSR	7.27Y	121.2	0.00	3.81	1.05	1	7	2	96	0.00	0.0	4.220	0.091	7	2	1	2
PL.70802	PL.72388	C	#4 ACSR	7.27Y	121.2	0.00	3.81	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	7.26Y	121.1	0.12	3.92	35.31	15	747	189	97	0.61	0.1	4.308	0.183	0	0	0	169
PL.71770	PL.71758	ABC	#1/0 ACSR	7.26Y	121.0	0.05	3.97	35.31	15	746	189	97	0.25	0.0	4.383	0.075	0	0	0	169
PL.72312	PL.71770	B	#1/0 ACSR	7.26Y	121.0	0.00	3.97	1.02	0	7	2	96	0.00	0.0	4.448	0.065	0	0	0	1
PD.10609	PL.72312	B	30T	7.26Y	121.0	0.00	3.97	1.02	0	7	2	96	0.00	0.0	4.448	0.065	0	0	0	1
PL.72313	PD.10609	B	#1/0 ACSR	7.26Y	121.0	0.00	3.97	1.02	0	7	2	96	0.00	0.0	4.476	0.028	7	2	1	1
PL.72314	PL.71770	C	#4 ACSR	7.26Y	121.0	0.00	3.97	0.60	0	4	1	97	0.00	0.0	4.387	0.005	0	0	0	2
PD.10610	PL.72314	C	30T	7.26Y	121.0	0.00	3.97	0.60	0	4	1	97	0.00	0.0	4.387	0.005	0	0	0	2
PL.72315	PD.10610	C	#4 ACSR	7.26Y	121.0	0.00	3.97	0.60	0	4	1	97	0.00	0.0	4.446	0.059	4	1	2	2
PL.71960	PL.71770	ABC	#1/0 ACSR	7.26Y	121.0	0.03	4.00	34.77	15	734	186	97	0.15	0.0	4.431	0.048	6	1	1	166
PL.72310	PL.71960	A	6 A (CWC)	7.26Y	121.0	0.00	4.00	3.79	3	27	7	97	0.00	0.0	4.436	0.005	0	0	0	5
PD.10608	PL.72310	A	30T	7.26Y	121.0	0.00	4.00	3.79	0	27	7	97	0.00	0.0	4.436	0.005	0	0	0	5
PL.72311	PD.10608	A	6 A (CWC)	7.26Y	121.0	0.02	4.01	3.79	3	27	7	97	0.00	0.0	4.540	0.105	9	2	2	5
PL.71771	PL.72311	A	6 A (CWC)	7.26Y	121.0	0.01	4.02	2.57	2	18	4	98	0.00	0.0	4.604	0.064	10	3	2	3

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Balanced Voltage Drop Report
Source: Annville

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.71772	PL.71771	A	#4 ACSR	7.26Y	121.0	0.00	4.02	1.12	1	8	2	97	0.00	0.0	4.666	0.062	8	2	1	1
PL.71961	PL.71960	ABC	#1/0 ACSR	7.26Y	120.9	0.06	4.06	33.22	14	701	177	97	0.32	0.0	4.540	0.109	0	0	0	160
PL.72150	PL.71961	ABC	#1/0 ACSR	7.25Y	120.9	0.06	4.12	33.22	14	701	177	97	0.27	0.0	4.634	0.094	4	1	1	160
PL.72151	PL.72150	ABC	#1/0 ACSR	7.25Y	120.8	0.06	4.18	33.02	14	697	176	97	0.31	0.0	4.742	0.108	10	2	1	159
PL.71773	PL.72151	ABC	#1/0 ACSR	7.25Y	120.8	0.05	4.24	32.55	14	686	173	97	0.27	0.0	4.836	0.094	0	0	0	158
PL.72061	PL.71773	ABC	#1/0 ACSR	7.24Y	120.7	0.08	4.32	32.55	14	686	173	97	0.38	0.1	4.974	0.138	13	3	2	158
PL.72402	PL.72061	C	6 A (CWC)	7.24Y	120.7	0.00	4.32	18.77	13	132	33	97	0.00	0.0	4.977	0.003	0	0	0	42
PD.10757	PL.72402	C	35L	7.24Y	120.7	0.00	4.32	18.77	54	132	33	97	0.00	0.0	4.977	0.003	0	0	0	42
PL.72403	PD.10757	C	6 A (CWC)	7.24Y	120.6	0.07	4.39	18.77	13	132	33	97	0.07	0.1	5.064	0.087	4	1	1	42
PL.72148	PL.72403	C	6 A (CWC)	7.23Y	120.5	0.08	4.47	18.18	13	128	31	97	0.08	0.1	5.167	0.103	6	1	1	41
PL.72149	PL.72148	C	6 A (CWC)	7.23Y	120.5	0.07	4.54	17.39	12	122	30	97	0.06	0.1	5.252	0.085	0	0	0	40
PL.72146	PL.72149	C	6 A (CWC)	7.22Y	120.3	0.12	4.66	17.25	12	121	30	97	0.11	0.1	5.401	0.150	4	1	4	39
PL.72147	PL.72146	C	6 A (CWC)	7.22Y	120.3	0.03	4.69	16.68	12	117	29	97	0.03	0.0	5.439	0.038	0	0	0	35
PL.72118	PL.72147	C	6 A (CWC)	7.22Y	120.3	0.06	4.74	15.84	11	111	27	97	0.05	0.0	5.525	0.086	9	2	1	34
PL.72119	PL.72118	C	6 A (CWC)	7.21Y	120.2	0.05	4.79	13.86	10	97	24	97	0.04	0.0	5.602	0.076	0	0	0	32
PL.71787	PL.72119	C	6 A (CWC)	7.21Y	120.2	0.05	4.85	13.86	10	97	24	97	0.04	0.0	5.687	0.085	0	0	1	32
PL.72142	PL.71787	C	6 A (CWC)	7.21Y	120.1	0.06	4.90	11.32	8	79	19	97	0.03	0.0	5.800	0.113	2	0	1	26
PL.72143	PL.72142	C	6 A (CWC)	7.20Y	120.1	0.04	4.94	11.03	8	77	19	97	0.02	0.0	5.873	0.073	0	0	0	25
PL.72138	PL.72143	C	#1/0 ACSR	7.20Y	120.1	0.00	4.94	0.07	0	0	0	100	0.00	0.0	5.908	0.035	0	0	0	1
PL.72139	PL.72138	C	#1/0 ACSR	7.20Y	120.1	0.00	4.94	0.07	0	0	0	100	0.00	0.0	6.012	0.105	0	0	0	1
PL.72062	PL.72139	C	#1/0 ACSR	7.20Y	120.1	0.00	4.94	0.07	0	0	0	100	0.00	0.0	6.145	0.133	0	0	0	1
PL.71963	PL.72062	C	#1/0 ACSR	7.20Y	120.1	0.00	4.94	0.07	0	0	0	100	0.00	0.0	6.176	0.031	0	0	1	1
PL.71962	PL.72143	C	6 A (CWC)	7.20Y	120.0	0.04	4.98	10.96	8	77	19	97	0.02	0.0	5.958	0.085	4	1	2	24
PL.71789	PL.71962	C	6 A (CWC)	7.20Y	120.0	0.04	5.02	10.39	7	73	18	97	0.02	0.0	6.042	0.084	0	0	0	22
PL.71964	PL.71789	C	6 A (CWC)	7.20Y	119.9	0.05	5.07	10.31	7	72	18	97	0.03	0.0	6.144	0.102	2	0	1	21
PL.71965	PL.71964	C	6 A (CWC)	7.19Y	119.9	0.03	5.10	8.12	6	57	14	97	0.01	0.0	6.240	0.097	7	2	3	16
PL.71793	PL.71965	C	#2 ACSR	7.19Y	119.9	0.01	5.11	1.15	1	8	2	97	0.00	0.0	6.389	0.148	0	0	0	3
PL.72063	PL.71793	C	#2 ACSR	7.19Y	119.9	0.00	5.11	1.15	1	8	2	97	0.00	0.0	6.509	0.120	8	2	3	3
PL.71792	PL.71965	C	#2 ACSR	7.19Y	119.9	0.00	5.10	1.79	1	13	3	97	0.00	0.0	6.260	0.019	0	0	0	1
PL.71966	PL.71792	C	#2 ACSR	7.19Y	119.9	0.00	5.10	1.79	1	13	3	97	0.00	0.0	6.339	0.080	13	3	1	1
PL.71794	PL.71965	C	6 A (CWC)	7.19Y	119.9	0.02	5.12	4.21	3	29	7	97	0.00	0.0	6.341	0.101	0	0	0	9

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Balanced Voltage Drop Report
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Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.72136	PL.71794	C	6 A (CWC)	7.19Y	119.9	0.02	5.14	3.16	2	22	5	98	0.00	0.0	6.506	0.165	4	1	1	7
PL.72137	PL.72136	C	6 A (CWC)	7.19Y	119.9	0.00	5.15	2.60	2	18	4	98	0.00	0.0	6.549	0.043	2	0	3	6
PL.71796	PL.72137	C	#4 ACSR	7.19Y	119.8	0.01	5.15	2.38	2	17	4	97	0.00	0.0	6.612	0.063	0	0	1	3
PL.71797	PL.71796	C	#4 ACSR	7.19Y	119.8	0.01	5.16	2.38	2	17	4	97	0.00	0.0	6.724	0.112	7	2	1	2
PL.71967	PL.71797	C	#4 ACSR	7.19Y	119.8	0.00	5.16	1.43	1	10	2	98	0.00	0.0	6.791	0.067	10	2	1	1
PL.71795	PL.71794	C	#1/0 ACSR	7.19Y	119.9	0.00	5.12	1.04	0	7	2	96	0.00	0.0	6.408	0.067	7	2	2	2
PL.71791	PL.71964	C	6 A (CWC)	7.20Y	119.9	0.00	5.07	1.97	1	14	3	98	0.00	0.0	6.188	0.044	14	3	4	4
PL.71790	PL.71789	C	6 A (CWC)	7.20Y	120.0	0.00	5.02	0.07	0	0	0	100	0.00	0.0	6.101	0.059	0	0	1	1
PL.72144	PL.71787	C	6 A (CWC)	7.21Y	120.2	0.00	4.85	2.54	2	18	4	98	0.00	0.0	5.719	0.031	4	1	2	5
PL.72145	PL.72144	C	6 A (CWC)	7.21Y	120.1	0.01	4.86	1.91	1	13	3	97	0.00	0.0	5.802	0.084	0	0	0	3
PL.72140	PL.72145	C	6 A (CWC)	7.21Y	120.1	0.01	4.87	1.91	1	13	3	97	0.00	0.0	5.980	0.177	10	2	2	3
PL.72141	PL.72140	C	6 A (CWC)	7.21Y	120.1	0.00	4.87	0.46	0	3	1	95	0.00	0.0	6.027	0.048	0	0	0	1
PL.72117	PL.72141	C	6 A (CWC)	7.21Y	120.1	0.00	4.87	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	7.21Y	120.1	0.00	4.87	0.46	0	3	1	95	0.00	0.0	6.080	0.053	3	1	1	1
PL.71786	PL.72118	C	#4 ACSR	7.22Y	120.3	0.00	4.75	0.69	1	5	1	98	0.00	0.0	5.582	0.057	5	1	1	1
PL.71785	PL.72147	C	#2 ACSR	7.22Y	120.3	0.00	4.69	0.84	0	6	1	99	0.00	0.0	5.626	0.187	6	1	1	1
PL.71784	PL.72149	C	6 A (CWC)	7.23Y	120.5	0.00	4.54	0.14	0	1	0	100	0.00	0.0	5.294	0.042	1	0	1	1
PL.71774	PL.72061	ABC	#1/0 ACSR	7.24Y	120.6	0.04	4.36	25.69	11	541	137	97	0.17	0.0	5.069	0.095	0	0	0	114
PL.71798	PL.71774	ABC	#1/0 ACSR	7.24Y	120.6	0.04	4.40	25.19	11	530	134	97	0.16	0.0	5.165	0.097	0	0	0	112
PL.72154	PL.71798	ABC	#1/0 ACSR	7.23Y	120.5	0.06	4.46	25.19	11	530	134	97	0.23	0.0	5.303	0.138	6	1	1	112
PL.72155	PL.72154	ABC	#1/0 ACSR	7.23Y	120.5	0.01	4.48	24.92	11	524	132	97	0.06	0.0	5.337	0.034	0	0	0	111
PL.72152	PL.72155	ABC	#1/0 ACSR	7.23Y	120.5	0.02	4.50	24.70	11	520	131	97	0.07	0.0	5.379	0.042	7	2	1	110
PL.72153	PL.72152	ABC	#1/0 ACSR	7.23Y	120.5	0.05	4.54	24.36	11	512	129	97	0.17	0.0	5.487	0.109	0	0	0	109
PL.71670	PL.72153	ABC	#1/0 ACSR	7.23Y	120.4	0.04	4.58	24.36	11	512	129	97	0.13	0.0	5.572	0.085	0	0	0	109
PL.71671	PL.71670	ABC	#1/0 ACSR	7.22Y	120.4	0.03	4.61	24.36	11	512	129	97	0.10	0.0	5.633	0.061	7	2	1	109
PL.71672	PL.71671	ABC	#1/0 ACSR	7.22Y	120.3	0.07	4.68	24.02	10	505	127	97	0.25	0.0	5.796	0.163	6	1	1	108
PL.71673	PL.71672	ABC	#1/0 ACSR	7.22Y	120.3	0.04	4.71	23.75	10	499	125	97	0.13	0.0	5.885	0.088	0	0	0	107
PL.71800	PL.71673	ABC	#1/0 ACSR	7.21Y	120.2	0.04	4.75	23.32	10	490	123	97	0.13	0.0	5.975	0.091	0	0	0	106
PL.72179	PL.71800	ABC	#1/0 ACSR	7.21Y	120.2	0.04	4.79	23.10	10	485	122	97	0.12	0.0	6.062	0.086	6	2	2	105
PL.72180	PL.72179	ABC	#1/0 ACSR	7.21Y	120.2	0.04	4.83	22.79	10	478	120	97	0.14	0.0	6.166	0.104	0	0	0	103
PL.72065	PL.72180	ABC	#1/0 ACSR	7.21Y	120.1	0.08	4.90	22.79	10	478	120	97	0.26	0.1	6.352	0.186	0	0	0	103

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Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.71968	PL.72065	ABC	#1/0 ACSR	7.20Y	120.1	0.03	4.94	21.46	9	450	113	97	0.11	0.0	6.443	0.091	0	0	0	97
PL.71668	PL.71968	ABC	#1/0 ACSR	7.20Y	120.0	0.05	4.99	21.46	9	450	113	97	0.17	0.0	6.579	0.136	2	0	1	97
PL.71669	PL.71668	ABC	#1/0 ACSR	7.20Y	119.9	0.06	5.05	21.36	9	448	112	97	0.19	0.0	6.736	0.157	0	0	0	96
PL.72068	PL.71669	ABC	#1/0 ACSR	7.19Y	119.9	0.07	5.12	21.36	9	447	112	97	0.22	0.0	6.915	0.180	0	0	0	96
PL.72408	PL.72068	ABC	#1/0 ACSR	7.19Y	119.9	0.00	5.12	21.36	9	447	112	97	0.00	0.0	6.918	0.003	0	0	0	96
C PD.10760	PL.72408	A C	35L	7.19Y	119.9	0.00	5.12	32.04	78	447	112	97	0.00	0.0	6.918	0.003	0	0	0	96 C
PL.72409	PD.10760	A C	#1/0 ACSR	7.19Y	119.8	0.07	5.19	32.04	14	447	112	97	0.22	0.1	7.026	0.108	0	0	0	96
PL.71803	PL.72409	C	6 A (CWC)	7.18Y	119.6	0.20	5.40	42.99	31	300	75	97	0.47	0.2	7.131	0.104	0	0	0	65
PL.71850	PL.71803	C	#2 ACSR	7.18Y	119.6	0.00	5.40	1.12	1	8	2	97	0.00	0.0	7.223	0.092	8	2	3	3
PL.71851	PL.71803	C	6 A (CWC)	7.16Y	119.3	0.35	5.75	41.87	30	292	73	97	0.78	0.3	7.314	0.183	0	0	0	62
PL.71852	PL.71851	C	6 A (CWC)	7.16Y	119.3	0.00	5.75	1.17	1	8	2	97	0.00	0.0	7.410	0.096	8	2	1	1
PL.71853	PL.71852	C	6 A (CWC)	7.16Y	119.3	0.00	5.75	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)	7.16Y	119.3	0.00	5.75	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)	7.14Y	119.1	0.18	5.92	40.70	29	283	70	97	0.39	0.1	7.411	0.097	0	0	0	61
PL.72086	PL.71979	C	6 A (CWC)	7.13Y	118.9	0.18	6.10	40.70	29	282	70	97	0.39	0.1	7.508	0.097	0	0	0	61
PL.71854	PL.72086	C	6 A (CWC)	7.13Y	118.9	0.03	6.13	3.63	3	25	6	97	0.01	0.0	7.667	0.158	0	0	0	5
PL.72087	PL.71854	C	6 A (CWC)	7.13Y	118.8	0.02	6.15	3.63	3	25	6	97	0.00	0.0	7.794	0.127	0	0	0	5
PL.71855	PL.72087	C	6 A (CWC)	7.13Y	118.8	0.01	6.17	3.63	3	25	6	97	0.00	0.0	7.903	0.109	8	2	3	5
PL.71856	PL.71855	C	6 A (CWC)	7.13Y	118.8	0.00	6.17	2.43	2	17	4	97	0.00	0.0	7.959	0.057	17	4	2	2
PL.72131	PL.72086	C	6 A (CWC)	7.12Y	118.7	0.16	6.26	37.07	26	257	64	97	0.31	0.1	7.604	0.096	5	1	1	56
PL.71674	PL.72131	C	#1/0 ACSR	7.12Y	118.7	0.00	6.26	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	7.12Y	118.7	0.00	6.26	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)	7.12Y	118.6	0.15	6.41	36.31	26	251	62	97	0.29	0.1	7.694	0.090	0	0	0	55
PL.71857	PL.72132	C	6 A (CWC)	7.10Y	118.3	0.30	6.72	36.31	26	251	62	97	0.59	0.2	7.879	0.185	0	0	0	55
PL.72088	PL.71857	C	6 A (CWC)	7.09Y	118.2	0.12	6.84	36.31	26	250	62	97	0.24	0.1	7.955	0.077	5	1	1	55
L PL.71858	PL.72088	C	6 A (CWC)	7.08Y	118.0	0.17	7.01	21.01	15	145	36	97	0.19	0.1	8.131	0.176	0	0	0	26 L
L PL.72089	PL.71858	C	6 A (CWC)	7.07Y	117.8	0.17	7.17	21.01	15	144	35	97	0.19	0.1	8.306	0.174	0	0	0	26 L
L PL.72090	PL.72089	C	6 A (CWC)	7.07Y	117.8	0.06	7.24	21.01	15	144	35	97	0.07	0.0	8.371	0.065	0	0	0	26 L
L PL.71980	PL.72090	C	6 A (CWC)	7.07Y	117.8	0.01	7.24	5.12	4	35	9	97	0.00	0.0	8.402	0.031	5	1	1	6 L
L PL.72329	PL.71980	C	6 A (CWC)	7.07Y	117.8	0.00	7.24	4.34	3	30	7	97	0.00	0.0	8.406	0.005	0	0	0	5 L
L PD.10617	PL.72329	C	20T	7.07Y	117.8	0.00	7.24	4.34	0	30	7	97	0.00	0.0	8.406	0.005	0	0	0	5 L

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Balanced Voltage Drop Report
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Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
L PL.72328	PD.10617	C	6 A (CWC)	7.06Y	117.7	0.01	7.25	4.34	3	30	7	97	0.00	0.0	8.455	0.048	6	1	1	5 L
L PL.71679	PL.72328	C	6 A (CWC)	7.06Y	117.7	0.02	7.27	3.47	2	24	6	97	0.00	0.0	8.560	0.105	0	0	0	4 L
L PL.71879	PL.71679	C	6 A (CWC)	7.06Y	117.7	0.00	7.27	0.97	1	7	2	96	0.00	0.0	8.651	0.091	7	2	1	1 L
L PL.71878	PL.71679	C	6 A (CWC)	7.06Y	117.7	0.01	7.28	2.50	2	17	4	97	0.00	0.0	8.682	0.122	7	2	1	3 L
L PL.71877	PL.71878	C	#4 ACSR	7.06Y	117.7	0.00	7.28	1.48	1	10	2	98	0.00	0.0	8.745	0.064	10	2	2	2 L
L PL.72330	PL.72090	C	6 A (CWC)	7.07Y	117.8	0.00	7.24	15.89	11	109	27	97	0.00	0.0	8.376	0.005	0	0	0	20 L
L PD.10618	PL.72330	C	20T	7.07Y	117.8	0.00	7.24	15.89	0	109	27	97	0.00	0.0	8.376	0.005	0	0	0	20 L
L PL.72331	PD.10618	C	6 A (CWC)	7.06Y	117.7	0.03	7.27	15.89	11	109	27	97	0.02	0.0	8.416	0.041	0	0	0	20 L
L PL.71678	PL.72331	C	6 A (CWC)	7.06Y	117.6	0.11	7.38	14.44	10	99	24	97	0.08	0.1	8.589	0.173	6	2	1	19 L
L PL.72300	PL.71678	C	6 A (CWC)	7.05Y	117.6	0.05	7.43	13.55	10	93	23	97	0.04	0.0	8.678	0.089	0	0	1	18 L
L PL.72301	PL.72300	C	6 A (CWC)	7.05Y	117.5	0.05	7.49	13.52	10	93	23	97	0.04	0.0	8.764	0.087	0	0	0	17 L
L PL.72091	PL.72301	C	6 A (CWC)	7.05Y	117.4	0.06	7.55	13.52	10	93	23	97	0.05	0.1	8.869	0.105	0	0	0	17 L
L PL.71882	PL.72091	C	#1/0 ACSR	7.05Y	117.4	0.00	7.55	1.04	0	7	2	96	0.00	0.0	8.909	0.041	0	0	0	1 L
L PL.72320	PL.71882	C	1/0 AL URD	7.05Y	117.4	0.00	7.55	1.04	1	7	2	96	0.00	0.0	8.914	0.005	0	0	0	1 L
L PD.10613	PL.72320	C	20T	7.05Y	117.4	0.00	7.55	1.04	0	7	2	96	0.00	0.0	8.914	0.005	0	0	0	1 L
L PL.72321	PD.10613	C	1/0 AL URD	7.05Y	117.4	0.00	7.55	1.04	1	7	2	96	0.00	0.0	8.940	0.026	7	2	1	1 L
L PL.71881	PL.72091	C	6 A (CWC)	7.04Y	117.4	0.08	7.63	12.48	9	85	21	97	0.05	0.1	9.006	0.137	0	0	1	16 L
L PL.71981	PL.71881	C	6 A (CWC)	7.04Y	117.3	0.05	7.68	12.48	9	85	21	97	0.03	0.0	9.092	0.086	0	0	0	15 L
L PL.71871	PL.71981	C	6 A (CWC)	7.04Y	117.3	0.02	7.69	5.06	4	35	8	97	0.00	0.0	9.170	0.078	0	0	0	8 L
L PL.72092	PL.71871	C	6 A (CWC)	7.04Y	117.3	0.03	7.72	5.06	4	35	8	97	0.01	0.0	9.299	0.129	0	0	0	8 L
L PL.71982	PL.72092	C	6 A (CWC)	7.03Y	117.2	0.03	7.76	5.06	4	35	8	97	0.01	0.0	9.436	0.137	0	0	0	8 L
L PL.71983	PL.71982	C	6 A (CWC)	7.03Y	117.2	0.03	7.78	3.89	3	27	6	98	0.01	0.0	9.581	0.145	0	0	0	5 L
L PL.71676	PL.71983	C	#4 ACSR	7.03Y	117.2	0.00	7.79	1.91	1	13	3	97	0.00	0.0	9.639	0.058	5	1	1	2 L
L PL.71677	PL.71676	C	#4 ACSR	7.03Y	117.2	0.00	7.79	1.21	1	8	2	97	0.00	0.0	9.685	0.046	8	2	1	1 L
L PL.71875	PL.71677	C	#1/0 ACSR	7.03Y	117.2	0.00	7.79	0.00	0	0	0	100	0.00	0.0	9.723	0.038	0	0	0	0 L
L PL.71873	PL.71983	C	6 A (CWC)	7.03Y	117.2	0.01	7.79	1.98	1	13	3	97	0.00	0.0	9.649	0.068	0	0	0	3 L
L PL.71876	PL.71873	C	#1/0 ACSR	7.03Y	117.2	0.00	7.79	1.64	1	11	3	96	0.00	0.0	9.783	0.134	11	3	1	1 L
L PL.71874	PL.71873	C	6 A (CWC)	7.03Y	117.2	0.00	7.79	0.33	0	2	1	89	0.00	0.0	9.832	0.183	0	0	0	2 L
L PL.72093	PL.71874	C	6 A (CWC)	7.03Y	117.2	0.00	7.79	0.33	0	2	1	89	0.00	0.0	9.980	0.148	2	1	2	2 L
L PL.71872	PL.71982	C	6 A (CWC)	7.03Y	117.2	0.00	7.76	1.18	1	8	2	97	0.00	0.0	9.487	0.051	8	2	3	3 L
L PL.71870	PL.72092	C	#1/0 ACSR	7.04Y	117.3	0.00	7.72	0.00	0	0	0	100	0.00	0.0	9.375	0.076	0	0	0	0 L

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Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
L PL.71667	PL.71981	C	6 A (CWC)	7.04Y	117.3	0.03	7.71	7.42	5	51	12	97	0.01	0.0	9.188	0.095	8	2	1	7 L
L PL.72133	PL.71667	C	#1/0 ACSR	7.04Y	117.3	0.00	7.71	6.25	3	43	10	97	0.00	0.0	9.205	0.017	0	0	0	6 L
L PL.72177	PL.72133	C	#1/0 ACSR	7.04Y	117.3	0.00	7.71	4.18	2	29	7	97	0.00	0.0	9.248	0.043	12	3	1	5 L
L PL.72178	PL.72177	C	#1/0 ACSR	7.04Y	117.3	0.00	7.71	2.35	1	16	4	97	0.00	0.0	9.290	0.042	9	2	1	4 L
L PL.72176	PL.72178	C	#1/0 ACSR	7.04Y	117.3	0.00	7.71	0.97	0	7	2	96	0.00	0.0	9.337	0.047	7	2	3	3 L
L PL.71666	PL.72133	C	#1/0 ACSR	7.04Y	117.3	0.00	7.71	2.07	1	14	3	98	0.00	0.0	9.240	0.035	14	3	1	1 L
L PL.71880	PL.72331	C	#1/0 ACSR	7.06Y	117.7	0.00	7.27	1.45	1	10	2	98	0.00	0.0	8.463	0.047	10	2	1	1 L
PL.72332	PL.72088	C	6 A (CWC)	7.09Y	118.2	0.00	6.84	14.63	10	101	25	97	0.00	0.0	7.960	0.005	0	0	0	28
PD.10619	PL.72332	C	20T	7.09Y	118.2	0.00	6.84	14.63	0	101	25	97	0.00	0.0	7.960	0.005	0	0	0	28
PL.72333	PD.10619	C	6 A (CWC)	7.09Y	118.1	0.03	6.87	14.63	10	101	25	97	0.02	0.0	8.001	0.041	0	0	1	28
PL.70791	PL.72333	C	6 A (CWC)	7.08Y	118.1	0.07	6.94	14.63	10	101	25	97	0.06	0.1	8.112	0.111	0	0	0	27
L PL.72094	PL.70791	C	6 A (CWC)	7.08Y	117.9	0.13	7.07	14.63	10	101	25	97	0.10	0.1	8.300	0.189	0	0	0	27 L
L PL.71984	PL.72094	C	6 A (CWC)	7.07Y	117.8	0.11	7.18	12.92	9	89	22	97	0.07	0.1	8.482	0.181	0	0	1	23 L
L PL.71860	PL.71984	C	6 A (CWC)	7.07Y	117.8	0.07	7.24	12.91	9	89	22	97	0.05	0.1	8.599	0.117	0	0	0	22 L
L PL.72095	PL.71860	C	6 A (CWC)	7.06Y	117.7	0.04	7.29	12.91	9	89	22	97	0.03	0.0	8.673	0.073	0	0	1	22 L
L PL.70797	PL.72095	C	6 A (CWC)	7.06Y	117.7	0.02	7.31	5.83	4	40	10	97	0.01	0.0	8.758	0.085	3	1	1	10 L
L PL.70798	PL.70797	C	6 A (CWC)	7.06Y	117.7	0.03	7.34	5.38	4	37	9	97	0.01	0.0	8.865	0.107	0	0	0	9 L
L PL.72100	PL.70798	C	6 A (CWC)	7.06Y	117.6	0.03	7.36	5.38	4	37	9	97	0.01	0.0	8.971	0.106	0	0	0	9 L
L PL.71868	PL.72100	C	#1/0 ACSR	7.06Y	117.6	0.00	7.36	0.86	0	6	1	99	0.00	0.0	9.006	0.035	6	1	1	1 L
L PL.72134	PL.72100	C	6 A (CWC)	7.06Y	117.6	0.01	7.37	4.52	3	31	8	97	0.00	0.0	9.016	0.045	0	0	1	8 L
L PL.72135	PL.72134	C	6 A (CWC)	7.06Y	117.6	0.02	7.39	3.75	3	26	6	97	0.00	0.0	9.147	0.131	0	0	0	6 L
L PL.71986	PL.72135	C	6 A (CWC)	7.06Y	117.6	0.01	7.40	3.31	2	23	6	97	0.00	0.0	9.182	0.035	0	0	0	5 L
L PL.72103	PL.71986	C	6 A (CWC)	7.06Y	117.6	0.01	7.41	2.50	2	17	4	97	0.00	0.0	9.313	0.131	0	0	0	4 L
L PL.72104	PL.72103	C	6 A (CWC)	7.05Y	117.6	0.01	7.42	2.50	2	17	4	97	0.00	0.0	9.415	0.102	0	0	0	4 L
L PL.71987	PL.72104	C	6 A (CWC)	7.05Y	117.6	0.02	7.44	2.50	2	17	4	97	0.00	0.0	9.548	0.133	0	0	0	4 L
L PL.71632	PL.71987	C	#4 ACSR	7.05Y	117.6	0.00	7.44	0.50	0	3	1	95	0.00	0.0	9.608	0.061	3	1	1	1 L
L PL.71631	PL.71987	C	6 A (CWC)	7.05Y	117.6	0.00	7.44	2.00	1	14	3	98	0.00	0.0	9.650	0.103	14	3	2	3 L
L PL.71630	PL.71631	C	#1/0 ACSR	7.05Y	117.6	0.00	7.44	0.02	0	0	0	100	0.00	0.0	9.713	0.063	0	0	1	1 L
L PL.72101	PL.71986	C	6 A (CWC)	7.06Y	117.6	0.00	7.40	0.82	1	6	1	99	0.00	0.0	9.314	0.132	0	0	0	1 L
L PL.72102	PL.72101	C	6 A (CWC)	7.06Y	117.6	0.01	7.41	0.82	1	6	1	99	0.00	0.0	9.451	0.137	0	0	0	1 L
L PL.71633	PL.72102	C	6 A (CWC)	7.06Y	117.6	0.00	7.41	0.82	1	6	1	99	0.00	0.0	9.547	0.096	6	1	1	1 L

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Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
L PL.71629	PL.72135	C	#2 ACSR	7.06Y	117.6	0.00	7.39	0.44	0	3	1	95	0.00	0.0	9.278	0.131	3	1	1	1 L
L PL.71869	PL.72134	C	#1/0 ACSR	7.06Y	117.6	0.00	7.37	0.75	0	5	1	98	0.00	0.0	9.063	0.046	5	1	1	1 L
L PL.70795	PL.72095	C	6 A (CWC)	7.06Y	117.7	0.03	7.32	7.07	5	48	12	97	0.01	0.0	8.775	0.102	0	0	1	11 L
L PL.70796	PL.70795	C	6 A (CWC)	7.06Y	117.6	0.03	7.35	7.01	5	48	12	97	0.01	0.0	8.871	0.096	0	0	1	10 L
L PL.70794	PL.70796	C	6 A (CWC)	7.06Y	117.6	0.04	7.39	6.96	5	48	12	97	0.01	0.0	8.993	0.122	0	0	0	9 L
L PL.70793	PL.70794	C	6 A (CWC)	7.06Y	117.6	0.01	7.40	6.96	5	48	12	97	0.00	0.0	9.038	0.045	4	1	1	9 L
L PL.70792	PL.70793	C	6 A (CWC)	7.05Y	117.6	0.03	7.44	6.38	5	44	11	97	0.01	0.0	9.157	0.119	0	0	0	8 L
L PL.71985	PL.70792	C	6 A (CWC)	7.05Y	117.5	0.03	7.46	5.32	4	36	9	97	0.01	0.0	9.272	0.115	0	0	0	7 L
L PL.71863	PL.71985	C	#1/0 ACSR	7.05Y	117.5	0.00	7.47	1.54	1	11	3	96	0.00	0.0	9.299	0.028	5	1	1	2 L
L PL.71862	PL.71863	C	#1/0 ACSR	7.05Y	117.5	0.00	7.47	0.83	0	6	1	99	0.00	0.0	9.431	0.131	6	1	1	1 L
L PL.70832	PL.71985	C	#1/0 ACSR	7.05Y	117.5	0.00	7.47	3.78	2	26	6	97	0.00	0.0	9.324	0.052	6	1	1	5 L
L PL.70833	PL.70832	C	#1/0 ACSR	7.05Y	117.5	0.00	7.47	2.89	1	20	5	97	0.00	0.0	9.393	0.069	0	0	0	4 L
L PL.72283	PL.70833	C	#1/0 ACSR	7.05Y	117.5	0.00	7.48	2.89	1	20	5	97	0.00	0.0	9.452	0.059	7	2	1	4 L
L PL.72284	PL.72283	C	#1/0 ACSR	7.05Y	117.5	0.00	7.48	1.84	1	13	3	97	0.00	0.0	9.537	0.085	0	0	0	3 L
L PL.71988	PL.72284	C	#1/0 ACSR	7.05Y	117.5	0.00	7.48	0.43	0	3	1	95	0.00	0.0	9.661	0.123	0	0	0	2 L
L PL.72096	PL.71988	C	#1/0 ACSR	7.05Y	117.5	0.00	7.48	0.43	0	3	1	95	0.00	0.0	9.793	0.132	0	0	0	2 L
L PL.72097	PL.72096	C	#1/0 ACSR	7.05Y	117.5	0.00	7.48	0.43	0	3	1	95	0.00	0.0	9.914	0.121	0	0	0	2 L
L PL.72364	PL.72097	C	#1/0 ACSR	7.05Y	117.5	0.00	7.48	0.00	0	0	0	100	0.00	0.0	9.918	0.005	0	0	0	1 L
L PD.10740	PL.72364	C	20T	7.05Y	117.5	0.00	7.48	0.00	0	0	0	100	0.00	0.0	9.918	0.005	0	0	0	1 L
L PL.72365	PD.10740	C	#1/0 ACSR	7.05Y	117.5	0.00	7.48	0.00	0	0	0	100	0.00	0.0	9.965	0.046	0	0	0	1 L
L PL.71867	PL.72365	C	6 A (CWC)	7.05Y	117.5	0.00	7.48	0.00	0	0	0	100	0.00	0.0	10.080	0.115	0	0	0	1 L
L PL.72098	PL.71867	C	6 A (CWC)	7.05Y	117.5	0.00	7.48	0.00	0	0	0	100	0.00	0.0	10.254	0.174	0	0	0	1 L
L PL.72099	PL.72098	C	6 A (CWC)	7.05Y	117.5	0.00	7.48	0.00	0	0	0	100	0.00	0.0	10.342	0.088	0	0	0	1 L
L PL.72287	PL.72099	C	6 A (CWC)	7.05Y	117.5	0.00	7.48	0.00	0	0	0	100	0.00	0.0	10.470	0.128	0	0	1	1 L
L PL.72288	PL.72287	C	6 A (CWC)	7.05Y	117.5	0.00	7.48	0.00	0	0	0	100	0.00	0.0	10.521	0.051	0	0	0	0 L
L PL.71865	PL.72097	C	#1/0 ACSR	7.05Y	117.5	0.00	7.48	0.43	0	3	1	95	0.00	0.0	9.976	0.062	3	1	1	1 L
L PL.71864	PL.72284	C	#1/0 ACSR	7.05Y	117.5	0.00	7.48	1.42	1	10	2	98	0.00	0.0	9.605	0.068	0	0	0	1 L
L PL.71989	PL.71864	C	#1/0 ACSR	7.05Y	117.5	0.00	7.48	1.42	1	10	2	98	0.00	0.0	9.638	0.033	10	2	1	1 L
L PL.71861	PL.70792	C	#1/0 ACSR	7.05Y	117.6	0.00	7.44	1.07	0	7	2	96	0.00	0.0	9.194	0.037	7	2	1	1 L
L PL.71859	PL.72094	C	#1/0 ACSR	7.08Y	117.9	0.00	7.07	1.72	1	12	3	97	0.00	0.0	8.325	0.025	12	3	4	4 L
PL.71804	PL.72409	A	6 A (CWC)	7.18Y	119.7	0.10	5.29	21.10	15	147	36	97	0.11	0.1	7.131	0.104	0	0	0	31

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

Balanced Voltage Drop Report
Source: Annville

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.71805	PL.71804	A	6 A (CWC)	7.18Y	119.6	0.10	5.39	21.10	15	147	36	97	0.11	0.1	7.231	0.101	0	0	0	31
PL.72069	PL.71805	A	6 A (CWC)	7.17Y	119.5	0.10	5.49	21.10	15	147	36	97	0.11	0.1	7.333	0.101	0	0	0	31
PL.71806	PL.72069	A	6 A (CWC)	7.16Y	119.4	0.10	5.59	21.10	15	147	36	97	0.11	0.1	7.438	0.105	0	0	0	31
PL.72070	PL.71806	A	6 A (CWC)	7.16Y	119.3	0.11	5.70	21.10	15	147	36	97	0.13	0.1	7.557	0.119	0	0	0	31
PL.72174	PL.72070	A	6 A (CWC)	7.15Y	119.2	0.09	5.80	21.10	15	147	36	97	0.11	0.1	7.657	0.101	5	1	1	31
PL.72175	PL.72174	A	6 A (CWC)	7.15Y	119.2	0.05	5.84	20.34	15	141	35	97	0.05	0.0	7.709	0.052	0	0	0	30
PL.71814	PL.72175	A	6 A (CWC)	7.15Y	119.1	0.01	5.85	1.30	1	9	2	98	0.00	0.0	7.866	0.156	3	1	1	2
PL.71816	PL.71814	A	#2 ACSR	7.15Y	119.1	0.00	5.85	0.88	1	6	2	95	0.00	0.0	7.901	0.036	6	2	1	1
PL.71817	PL.71814	A	6 A (CWC)	7.15Y	119.1	0.00	5.85	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)	7.15Y	119.1	0.00	5.85	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	7.15Y	119.1	0.00	5.85	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)	7.14Y	119.1	0.08	5.92	19.04	14	132	33	97	0.08	0.1	7.802	0.093	2	1	2	28
PL.72173	PL.72172	A	6 A (CWC)	7.14Y	119.1	0.03	5.95	18.71	13	130	32	97	0.03	0.0	7.833	0.030	0	0	0	26
PL.71815	PL.72173	A	6 A (CWC)	7.13Y	118.9	0.13	6.08	18.71	13	130	32	97	0.13	0.1	7.991	0.158	0	0	0	26
PL.71972	PL.71815	A	6 A (CWC)	7.13Y	118.8	0.07	6.15	16.04	11	111	27	97	0.06	0.1	8.088	0.097	0	0	0	23
PL.71820	PL.71972	A	6 A (CWC)	7.13Y	118.8	0.05	6.21	16.04	11	111	27	97	0.05	0.0	8.162	0.074	0	0	0	23
PL.71973	PL.71820	A	6 A (CWC)	7.12Y	118.7	0.10	6.30	11.68	8	81	20	97	0.06	0.1	8.344	0.182	0	0	0	17
PL.71825	PL.71973	A	#1/0 ACSR	7.12Y	118.7	0.00	6.30	1.40	1	10	2	98	0.00	0.0	8.376	0.033	10	2	1	1
PL.71826	PL.71973	A	6 A (CWC)	7.12Y	118.6	0.05	6.35	10.28	7	71	17	97	0.03	0.0	8.447	0.103	0	0	0	16
PL.71827	PL.71826	A	6 A (CWC)	7.12Y	118.6	0.05	6.40	5.44	4	38	9	97	0.01	0.0	8.632	0.185	0	0	0	10
PL.71836	PL.71827	A	6 A (CWC)	7.11Y	118.6	0.05	6.44	5.44	4	38	9	97	0.01	0.0	8.814	0.182	0	0	0	10
PL.71839	PL.71836	A	6 A (CWC)	7.11Y	118.5	0.02	6.46	3.62	3	25	6	97	0.00	0.0	8.913	0.099	0	0	0	6
PL.72106	PL.71839	A	6 A (CWC)	7.11Y	118.5	0.02	6.47	3.62	3	25	6	97	0.00	0.0	9.006	0.093	0	0	0	6
PL.72079	PL.72106	A	6 A (CWC)	7.11Y	118.5	0.03	6.51	3.62	3	25	6	97	0.01	0.0	9.191	0.186	0	0	0	6
PL.71840	PL.72079	A	6 A (CWC)	7.11Y	118.5	0.01	6.52	3.62	3	25	6	97	0.00	0.0	9.284	0.092	2	0	1	6
PL.71841	PL.71840	A	6 A (CWC)	7.11Y	118.5	0.01	6.53	3.34	2	23	6	97	0.00	0.0	9.347	0.063	0	0	0	5
PL.71842	PL.71841	A	#1/0 ACSR	7.11Y	118.5	0.00	6.53	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)	7.11Y	118.5	0.01	6.53	3.34	2	23	6	97	0.00	0.0	9.383	0.035	0	0	0	4
PL.71978	PL.71977	A	6 A (CWC)	7.11Y	118.5	0.01	6.55	2.45	2	17	4	97	0.00	0.0	9.487	0.104	0	0	0	3
PL.72162	PL.71978	A	6 A (CWC)	7.11Y	118.4	0.01	6.56	2.45	2	17	4	97	0.00	0.0	9.650	0.163	10	2	1	3
PL.72163	PL.72162	A	6 A (CWC)	7.11Y	118.4	0.00	6.56	1.06	1	7	2	96	0.00	0.0	9.735	0.084	0	0	0	2

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Balanced Voltage Drop Report
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Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----			
																KW	KVAR	Cons On	Cons Thru	
PL.72080	PL.72163	A	6 A (CWC)	7.11Y	118.4	0.01	6.57	1.06	1	7	2	96	0.00	0.0	9.848	0.113	0	0	0	2
PL.72081	PL.72080	A	6 A (CWC)	7.11Y	118.4	0.00	6.57	1.06	1	7	2	96	0.00	0.0	9.940	0.092	0	0	0	2
PL.71844	PL.72081	A	6 A (CWC)	7.11Y	118.4	0.01	6.58	1.06	1	7	2	96	0.00	0.0	10.126	0.186	0	0	0	2
PL.72082	PL.71844	A	6 A (CWC)	7.10Y	118.4	0.00	6.59	1.06	1	7	2	96	0.00	0.0	10.225	0.099	0	0	0	2
PL.72083	PL.72082	A	6 A (CWC)	7.10Y	118.4	0.00	6.59	1.06	1	7	2	96	0.00	0.0	10.329	0.104	0	0	0	2
PL.71845	PL.72083	A	6 A (CWC)	7.10Y	118.4	0.00	6.59	1.06	1	7	2	96	0.00	0.0	10.405	0.076	3	1	1	2
PL.71846	PL.71845	A	#4 ACSR	7.10Y	118.4	0.00	6.60	0.65	1	4	1	97	0.00	0.0	10.521	0.117	0	0	0	1
PL.72084	PL.71846	A	#4 ACSR	7.10Y	118.4	0.00	6.60	0.65	1	4	1	97	0.00	0.0	10.598	0.076	4	1	1	1
PL.71843	PL.71977	A	#1/0 ACSR	7.11Y	118.5	0.00	6.54	0.90	0	6	2	95	0.00	0.0	9.435	0.053	6	2	1	1
PL.71838	PL.71836	A	6 A (CWC)	7.11Y	118.5	0.01	6.46	1.83	1	13	3	97	0.00	0.0	8.963	0.149	0	0	0	4
PL.72077	PL.71838	A	6 A (CWC)	7.11Y	118.5	0.01	6.46	1.83	1	13	3	97	0.00	0.0	9.053	0.091	0	0	0	4
PL.71847	PL.72077	A	#1/0 ACSR	7.11Y	118.5	0.00	6.46	0.58	0	4	1	97	0.00	0.0	9.083	0.029	4	1	3	3
PL.71849	PL.72077	A	6 A (CWC)	7.11Y	118.5	0.01	6.47	1.25	1	9	2	98	0.00	0.0	9.174	0.121	0	0	0	1
PL.72078	PL.71849	A	6 A (CWC)	7.11Y	118.5	0.00	6.47	1.25	1	9	2	98	0.00	0.0	9.251	0.077	9	2	1	1
PL.71828	PL.71826	A	6 A (CWC)	7.12Y	118.6	0.04	6.39	4.84	3	33	8	97	0.01	0.0	8.623	0.176	0	0	0	6
PL.72075	PL.71828	A	6 A (CWC)	7.11Y	118.6	0.04	6.43	4.84	3	33	8	97	0.01	0.0	8.790	0.167	0	0	0	6
PL.72157	PL.72075	A	6 A (CWC)	7.11Y	118.5	0.03	6.46	4.84	3	33	8	97	0.01	0.0	8.936	0.146	6	2	1	6
PL.72158	PL.72157	A	6 A (CWC)	7.11Y	118.5	0.01	6.46	3.94	3	27	7	97	0.00	0.0	8.975	0.039	1	0	1	5
PL.72156	PL.72158	A	6 A (CWC)	7.11Y	118.5	0.01	6.48	3.86	3	27	7	97	0.00	0.0	9.055	0.079	0	0	0	4
PL.71830	PL.72156	A	#1/0 ACSR	7.11Y	118.5	0.00	6.48	1.40	1	10	2	98	0.00	0.0	9.087	0.032	0	0	0	2
PL.71976	PL.71830	A	#1/0 ACSR	7.11Y	118.5	0.00	6.48	1.40	1	10	2	98	0.00	0.0	9.142	0.056	10	2	2	2
PL.71831	PL.71830	A	#1/0 ACSR	7.11Y	118.5	0.00	6.48	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	7.11Y	118.5	0.01	6.49	2.46	1	17	4	97	0.00	0.0	9.235	0.181	0	0	0	2
PL.71832	PL.71829	A	#2 ACSR	7.11Y	118.5	0.01	6.50	2.46	1	17	4	97	0.00	0.0	9.342	0.107	0	0	0	2
PL.72076	PL.71832	A	#2 ACSR	7.11Y	118.5	0.01	6.51	2.46	1	17	4	97	0.00	0.0	9.502	0.160	0	0	0	2
PL.72124	PL.72076	A	#2 ACSR	7.11Y	118.5	0.01	6.52	2.46	1	17	4	97	0.00	0.0	9.571	0.069	0	0	0	2
PL.71833	PL.72124	A	#1/0 ACSR	7.11Y	118.5	0.00	6.52	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	7.11Y	118.5	0.00	6.52	2.46	1	17	4	97	0.00	0.0	9.619	0.048	0	0	0	2
PL.71834	PL.72125	A	#2 ACSR	7.11Y	118.5	0.00	6.52	1.63	1	11	3	96	0.00	0.0	9.667	0.048	11	3	1	1
PL.71835	PL.72125	A	#2 ACSR	7.11Y	118.5	0.00	6.52	0.83	0	6	1	99	0.00	0.0	9.682	0.062	6	1	1	1
PL.72160	PL.71820	A	#1/0 ACSR	7.13Y	118.8	0.00	6.21	4.36	2	30	7	97	0.00	0.0	8.183	0.021	3	1	1	6

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Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.72161	PL.72160	A	#1/0 ACSR	7.13Y	118.8	0.00	6.21	3.92	2	27	7	97	0.00	0.0	8.238	0.055	4	1	1	5
PL.72159	PL.72161	A	#1/0 ACSR	7.13Y	118.8	0.01	6.23	3.40	1	24	6	97	0.00	0.0	8.399	0.161	0	0	0	4
PL.71821	PL.72159	A	#1/0 ACSR	7.13Y	118.8	0.00	6.23	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	7.13Y	118.8	0.01	6.23	3.40	1	24	6	97	0.00	0.0	8.506	0.107	0	0	0	4
PL.71974	PL.72126	A	#1/0 ACSR	7.13Y	118.8	0.00	6.24	2.14	1	15	4	97	0.00	0.0	8.591	0.086	0	0	0	2
PL.71823	PL.71974	A	#1/0 ACSR	7.13Y	118.8	0.00	6.24	0.84	0	6	1	99	0.00	0.0	8.671	0.080	6	1	1	1
PL.71975	PL.71974	A	#1/0 ACSR	7.13Y	118.8	0.00	6.24	1.30	1	9	2	98	0.00	0.0	8.702	0.111	0	0	0	1
PL.72073	PL.71975	A	#1/0 ACSR	7.13Y	118.8	0.00	6.25	1.30	1	9	2	98	0.00	0.0	8.859	0.157	0	0	0	1
PL.72074	PL.72073	A	#1/0 ACSR	7.13Y	118.8	0.00	6.25	1.30	1	9	2	98	0.00	0.0	8.924	0.064	0	0	0	1
PL.71824	PL.72074	A	#1/0 ACSR	7.12Y	118.7	0.00	6.25	1.30	1	9	2	98	0.00	0.0	9.041	0.118	9	2	1	1
PL.71822	PL.72126	A	#1/0 ACSR	7.13Y	118.8	0.00	6.24	1.26	1	9	2	98	0.00	0.0	8.556	0.050	9	2	2	2
PL.72168	PL.71815	A	6 A (CWC)	7.13Y	118.9	0.01	6.09	2.66	2	18	5	96	0.00	0.0	8.073	0.082	8	2	1	3
PL.72169	PL.72168	A	6 A (CWC)	7.13Y	118.9	0.01	6.10	1.48	1	10	3	96	0.00	0.0	8.256	0.183	0	0	0	2
PL.72166	PL.72169	A	#1/0 ACSR	7.13Y	118.9	0.00	6.11	1.48	1	10	3	96	0.00	0.0	8.334	0.078	0	0	1	2
PL.72167	PL.72166	A	#1/0 ACSR	7.13Y	118.9	0.00	6.11	1.48	1	10	3	96	0.00	0.0	8.413	0.079	0	0	0	1
PL.72072	PL.72167	A	#1/0 ACSR	7.13Y	118.9	0.00	6.11	1.48	1	10	3	96	0.00	0.0	8.550	0.137	10	3	1	1
PL.71801	PL.72065	A	6 A (CWC)	7.21Y	120.1	0.01	4.91	4.00	3	28	7	97	0.00	0.0	6.408	0.056	0	0	0	6
PL.72326	PL.71801	A	6 A (CWC)	7.21Y	120.1	0.00	4.92	4.00	3	28	7	97	0.00	0.0	6.413	0.005	0	0	0	6
PD.10616	PL.72326	A	30T	7.21Y	120.1	0.00	4.92	4.00	0	28	7	97	0.00	0.0	6.413	0.005	0	0	0	6
PL.72327	PD.10616	A	6 A (CWC)	7.20Y	120.1	0.02	4.94	4.00	3	28	7	97	0.00	0.0	6.526	0.113	0	0	0	6
PL.71802	PL.72327	A	6 A (CWC)	7.20Y	120.0	0.02	4.96	4.00	3	28	7	97	0.00	0.0	6.640	0.114	0	0	0	6
PL.72105	PL.71802	A	6 A (CWC)	7.20Y	120.0	0.02	4.97	4.00	3	28	7	97	0.00	0.0	6.737	0.097	0	0	0	6
PL.72170	PL.72105	A	6 A (CWC)	7.20Y	120.0	0.02	4.99	4.00	3	28	7	97	0.00	0.0	6.830	0.093	0	0	0	6
PL.72171	PL.72170	A	6 A (CWC)	7.20Y	120.0	0.02	5.02	4.00	3	28	7	97	0.01	0.0	6.966	0.136	0	0	0	6
PL.71807	PL.72171	A	6 A (CWC)	7.20Y	120.0	0.02	5.04	4.00	3	28	7	97	0.00	0.0	7.089	0.123	0	0	0	6
PL.71809	PL.71807	A	6 A (CWC)	7.20Y	120.0	0.01	5.05	4.00	3	28	7	97	0.00	0.0	7.145	0.057	0	0	0	6
PL.71810	PL.71809	A	#4 ACSR	7.20Y	119.9	0.00	5.05	1.22	1	9	2	98	0.00	0.0	7.233	0.088	9	2	1	1
PL.71969	PL.71809	A	6 A (CWC)	7.20Y	119.9	0.01	5.06	2.78	2	19	5	97	0.00	0.0	7.237	0.091	0	0	0	5
PL.71811	PL.71969	A	6 A (CWC)	7.20Y	119.9	0.01	5.07	2.78	2	19	5	97	0.00	0.0	7.327	0.090	0	0	0	5
PL.72066	PL.71811	A	6 A (CWC)	7.19Y	119.9	0.02	5.09	2.78	2	19	5	97	0.00	0.0	7.474	0.147	2	1	1	5
PL.72164	PL.72066	A	6 A (CWC)	7.19Y	119.9	0.00	5.09	2.46	2	17	4	97	0.00	0.0	7.514	0.040	0	0	1	4

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Balanced Voltage Drop Report
Source: Annville

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.72165	PL.72164	A	6 A (CWC)	7.19Y	119.9	0.01	5.10	2.46	2	17	4	97	0.00	0.0	7.611	0.097	0	0	0	3
PL.71970	PL.72165	A	6 A (CWC)	7.19Y	119.9	0.01	5.11	1.91	1	13	3	97	0.00	0.0	7.714	0.103	0	0	0	2
PL.71812	PL.71970	A	#1/0 ACSR	7.19Y	119.9	0.00	5.11	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	7.19Y	119.9	0.00	5.11	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)	7.19Y	119.9	0.00	5.12	1.91	1	13	3	97	0.00	0.0	7.794	0.080	10	3	1	2
PL.71813	PL.71971	A	6 A (CWC)	7.19Y	119.9	0.00	5.12	0.43	0	3	1	95	0.00	0.0	7.874	0.080	3	1	1	1
PL.72308	PL.72165	A	#1/0 ACSR	7.19Y	119.9	0.00	5.10	0.55	0	4	1	97	0.00	0.0	7.616	0.005	0	0	0	1
PD.10607	PL.72308	A	30T	7.19Y	119.9	0.00	5.10	0.55	0	4	1	97	0.00	0.0	7.616	0.005	0	0	0	1
PL.72309	PD.10607	A	#1/0 ACSR	7.19Y	119.9	0.00	5.10	0.55	0	4	1	97	0.00	0.0	7.627	0.011	4	1	1	1
PL.71808	PL.71807	A	#4 ACSR	7.20Y	120.0	0.00	5.04	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	7.21Y	120.2	0.00	4.75	0.65	0	5	1	98	0.00	0.0	5.980	0.005	0	0	0	1
PD.10615	PL.72324	C	30T	7.21Y	120.2	0.00	4.75	0.65	0	5	1	98	0.00	0.0	5.980	0.005	0	0	0	1
PL.72325	PD.10615	C	#1/0 ACSR	7.21Y	120.2	0.00	4.75	0.65	0	5	1	98	0.00	0.0	6.027	0.047	5	1	1	1
PL.72322	PL.71673	C	6 A (CWC)	7.22Y	120.3	0.00	4.71	1.29	1	9	2	98	0.00	0.0	5.889	0.005	0	0	0	1
PD.10614	PL.72322	C	30T	7.22Y	120.3	0.00	4.71	1.29	0	9	2	98	0.00	0.0	5.889	0.005	0	0	0	1
PL.72323	PD.10614	C	6 A (CWC)	7.22Y	120.3	0.01	4.72	1.29	1	9	2	98	0.00	0.0	6.013	0.124	0	0	0	1
PL.72064	PL.72323	C	6 A (CWC)	7.22Y	120.3	0.00	4.72	1.29	1	9	2	98	0.00	0.0	6.077	0.064	9	2	1	1
PL.71799	PL.72064	C	6 A (CWC)	7.22Y	120.3	0.00	4.72	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	7.23Y	120.5	0.00	4.48	0.66	0	5	1	98	0.00	0.0	5.342	0.005	0	0	0	1
PD.10612	PL.72318	C	30T	7.23Y	120.5	0.00	4.48	0.66	0	5	1	98	0.00	0.0	5.342	0.005	0	0	0	1
PL.72319	PD.10612	C	#1/0 ACSR	7.23Y	120.5	0.00	4.48	0.66	0	5	1	98	0.00	0.0	5.349	0.007	5	1	1	1
PL.72316	PL.71774	C	#1/0 ACSR	7.24Y	120.6	0.00	4.36	1.20	1	8	2	97	0.00	0.0	5.073	0.005	0	0	0	1
PD.10611	PL.72316	C	30T	7.24Y	120.6	0.00	4.36	1.20	0	8	2	97	0.00	0.0	5.073	0.005	0	0	0	1
PL.72317	PD.10611	C	#1/0 ACSR	7.24Y	120.6	0.00	4.36	1.20	1	8	2	97	0.00	0.0	5.085	0.012	8	2	1	1
PL.72390	PL.71774	A	6 A (CWC)	7.24Y	120.6	0.00	4.36	0.30	0	2	1	89	0.00	0.0	5.073	0.005	0	0	0	1
PD.10752	PL.72390	A	30T	7.24Y	120.6	0.00	4.36	0.30	0	2	1	89	0.00	0.0	5.073	0.005	0	0	0	1
PL.72391	PD.10752	A	6 A (CWC)	7.24Y	120.6	0.00	4.36	0.30	0	2	1	89	0.00	0.0	5.119	0.046	2	1	1	1
PL.72374	PL.71956	B	#2 ACSR	7.27Y	121.2	0.00	3.81	0.44	0	3	1	95	0.00	0.0	4.130	0.005	0	0	0	1
PD.10745	PL.72374	B	30T	7.27Y	121.2	0.00	3.81	0.44	0	3	1	95	0.00	0.0	4.130	0.005	0	0	0	1
PL.72375	PD.10745	B	#2 ACSR	7.27Y	121.2	0.00	3.81	0.44	0	3	1	95	0.00	0.0	4.179	0.049	3	1	1	1
PL.72386	PL.72411	A	#4 ACSR	7.28Y	121.3	0.00	3.68	1.59	1	11	3	96	0.00	0.0	3.947	0.005	0	0	0	2

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Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.10750	PL.72386	A	30T	7.28Y	121.3	0.00	3.68	1.59	0	11	3	96	0.00	0.0	3.947	0.005	0	0	0	2
PL.72387	PD.10750	A	#4 ACSR	7.28Y	121.3	0.00	3.68	1.59	1	11	3	96	0.00	0.0	3.997	0.050	11	3	2	2
PL.72380	PL.72116	C	6 A (CWC)	7.28Y	121.4	0.00	3.62	4.13	3	29	7	97	0.00	0.0	3.866	0.005	0	0	0	2
PD.10748	PL.72380	C	65T	7.28Y	121.4	0.00	3.62	4.13	0	29	7	97	0.00	0.0	3.866	0.005	0	0	0	2
PL.72381	PD.10748	C	6 A (CWC)	7.28Y	121.4	0.01	3.63	4.13	3	29	7	97	0.00	0.0	3.915	0.049	19	5	1	2
PL.71755	PL.72381	C	#1/0 ACSR	7.28Y	121.4	0.00	3.63	1.38	1	10	2	98	0.00	0.0	4.072	0.156	10	2	1	1
PL.72382	PL.72116	B	#1/0 ACSR	7.28Y	121.4	0.00	3.62	0.14	0	1	0	100	0.00	0.0	3.866	0.005	0	0	0	1
PD.10749	PL.72382	B	65T	7.28Y	121.4	0.00	3.62	0.14	0	1	0	100	0.00	0.0	3.866	0.005	0	0	0	1
PL.72383	PD.10749	B	#1/0 ACSR	7.28Y	121.4	0.00	3.62	0.14	0	1	0	100	0.00	0.0	3.887	0.021	1	0	1	1
PL.72017	PL.71955	ABC	#1/0 ACSR	7.28Y	121.4	0.11	3.64	32.32	14	686	171	97	0.51	0.1	3.927	0.184	0	0	0	178
PL.72412	PL.72017	ABC	#1/0 ACSR	7.28Y	121.3	0.03	3.67	32.32	14	685	171	97	0.14	0.0	3.979	0.051	0	0	0	177
PD.10762	PL.72412	ABC	50L	7.28Y	121.3	0.00	3.67	32.32	65	685	171	97	0.00	0.0	3.979	0.051	0	0	0	177
PL.72413	PD.10762	ABC	#1/0 ACSR	7.28Y	121.3	0.01	3.67	32.32	14	685	171	97	0.03	0.0	3.991	0.012	0	0	0	177
PL.70803	PL.72413	ABC	#1/0 ACSR	7.28Y	121.3	0.02	3.69	32.32	14	685	171	97	0.08	0.0	4.020	0.029	6	2	2	177
PL.72181	PL.70803	ABC	#1/0 ACSR	7.28Y	121.3	0.05	3.74	32.02	14	678	169	97	0.25	0.0	4.111	0.091	0	0	0	175
PL.72031	PL.72181	ABC	#1/0 ACSR	7.27Y	121.2	0.09	3.83	32.02	14	678	169	97	0.42	0.1	4.265	0.154	0	0	0	175
PL.72032	PL.72031	ABC	#1/0 ACSR	7.27Y	121.1	0.02	3.85	32.02	14	678	168	97	0.10	0.0	4.302	0.037	8	2	1	175
PL.72182	PL.72032	ABC	#1/0 ACSR	7.27Y	121.1	0.05	3.90	30.99	13	656	163	97	0.23	0.0	4.392	0.090	11	3	2	171
PL.72183	PL.72182	ABC	#1/0 ACSR	7.26Y	121.0	0.07	3.97	30.46	13	644	160	97	0.33	0.1	4.527	0.135	3	1	2	169
PL.72184	PL.72183	ABC	#1/0 ACSR	7.26Y	121.0	0.03	4.00	30.33	13	641	159	97	0.13	0.0	4.579	0.052	0	0	0	167
PL.72185	PL.72184	ABC	#1/0 ACSR	7.26Y	121.0	0.04	4.04	27.71	12	586	145	97	0.17	0.0	4.661	0.082	7	2	2	153
PL.72186	PL.72185	ABC	#1/0 ACSR	7.25Y	120.9	0.05	4.09	27.39	12	579	144	97	0.21	0.0	4.766	0.105	0	0	0	151
PL.72352	PL.72186	A	6 A (CWC)	7.25Y	120.9	0.00	4.09	0.30	0	2	1	89	0.00	0.0	4.771	0.005	0	0	0	1
PD.10631	PL.72352	A	20T	7.25Y	120.9	0.00	4.09	0.30	0	2	1	89	0.00	0.0	4.771	0.005	0	0	0	1
PL.72353	PD.10631	A	6 A (CWC)	7.25Y	120.9	0.00	4.09	0.30	0	2	1	89	0.00	0.0	4.802	0.032	2	1	1	1
PL.72394	PL.72186	C	#2 ACSR	7.25Y	120.9	0.00	4.09	0.80	0	6	1	99	0.00	0.0	4.771	0.005	0	0	0	1
PD.10753	PL.72394	C	20T	7.25Y	120.9	0.00	4.09	0.80	0	6	1	99	0.00	0.0	4.771	0.005	0	0	0	1
PL.72395	PD.10753	C	#2 ACSR	7.25Y	120.9	0.00	4.09	0.80	0	6	1	99	0.00	0.0	4.794	0.023	6	1	1	1
PL.72392	PL.72186	ABC	#1/0 ACSR	7.25Y	120.9	0.00	4.09	27.03	12	571	141	97	0.01	0.0	4.771	0.005	0	0	0	149
PL.72393	PL.72392	ABC	#1/0 ACSR	7.25Y	120.9	0.05	4.14	27.03	12	571	141	97	0.19	0.0	4.868	0.098	0	0	0	149
PL.72037	PL.72393	ABC	#1/0 ACSR	7.25Y	120.8	0.08	4.22	27.03	12	571	141	97	0.33	0.1	5.041	0.173	5	1	2	149

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.71994	PL.72037	ABC	#1/0 ACSR	7.25Y	120.8	0.02	4.24	24.69	11	521	129	97	0.06	0.0	5.078	0.037	0	0	0	140
PL.71635	PL.71994	ABC	#1/0 ACSR	7.24Y	120.7	0.03	4.27	24.69	11	521	129	97	0.10	0.0	5.143	0.065	0	0	0	140
PL.72261	PL.71635	ABC	#1/0 ACSR	7.24Y	120.7	0.02	4.29	24.69	11	521	129	97	0.07	0.0	5.189	0.046	7	2	1	140
PL.72262	PL.72261	ABC	#1/0 ACSR	7.24Y	120.7	0.05	4.34	24.36	11	514	127	97	0.18	0.0	5.305	0.116	6	1	1	139
PL.72263	PL.72262	ABC	#1/0 ACSR	7.24Y	120.6	0.08	4.41	24.09	10	508	125	97	0.27	0.1	5.482	0.177	5	1	1	138
PL.72356	PL.72263	A	6 A (CWC)	7.24Y	120.6	0.00	4.41	0.37	0	3	1	95	0.00	0.0	5.487	0.005	0	0	0	1
PD.10634	PL.72356	A	20T	7.24Y	120.6	0.00	4.41	0.37	0	3	1	95	0.00	0.0	5.487	0.005	0	0	0	1
PL.72357	PD.10634	A	6 A (CWC)	7.23Y	120.6	0.00	4.42	0.37	0	3	1	95	0.00	0.0	5.661	0.174	0	0	0	1
PL.71641	PL.72357	A	#2 ACSR	7.23Y	120.6	0.00	4.42	0.37	0	3	1	95	0.00	0.0	5.677	0.016	3	1	1	1
PL.72266	PL.72263	ABC	#1/0 ACSR	7.23Y	120.6	0.02	4.44	23.74	10	500	123	97	0.07	0.0	5.532	0.050	4	1	1	136
PL.72267	PL.72266	ABC	#1/0 ACSR	7.23Y	120.5	0.05	4.49	23.54	10	496	122	97	0.19	0.0	5.659	0.126	0	0	0	135
PL.72268	PL.72267	ABC	#1/0 ACSR	7.23Y	120.5	0.03	4.52	18.75	8	395	97	97	0.09	0.0	5.760	0.101	5	1	1	101
PL.72269	PL.72268	ABC	#1/0 ACSR	7.23Y	120.5	0.02	4.54	18.50	8	390	96	97	0.06	0.0	5.829	0.069	0	0	0	100
PL.72360	PL.72269	A	#2 ACSR	7.23Y	120.5	0.00	4.54	1.88	1	13	3	97	0.00	0.0	5.833	0.005	0	0	0	2
PD.10738	PL.72360	A	20T	7.23Y	120.5	0.00	4.54	1.88	0	13	3	97	0.00	0.0	5.833	0.005	0	0	0	2
PL.72361	PD.10738	A	#2 ACSR	7.23Y	120.5	0.00	4.55	1.88	1	13	3	97	0.00	0.0	5.880	0.046	7	2	1	2
PL.72270	PL.72361	A	#2 ACSR	7.23Y	120.5	0.00	4.55	0.88	1	6	2	95	0.00	0.0	5.918	0.039	6	2	1	1
PL.72271	PL.72269	ABC	#1/0 ACSR	7.23Y	120.4	0.01	4.55	13.42	6	283	70	97	0.02	0.0	5.866	0.038	0	0	1	74
PL.72272	PL.72271	ABC	#1/0 ACSR	7.23Y	120.4	0.02	4.57	13.42	6	282	69	97	0.04	0.0	5.946	0.079	5	1	2	73
PL.72273	PL.72272	ABC	#1/0 ACSR	7.22Y	120.4	0.02	4.59	13.19	6	278	68	97	0.04	0.0	6.023	0.077	0	0	1	71
PL.71883	PL.72273	ABC	#1/0 ACSR	7.22Y	120.4	0.02	4.61	13.18	6	277	68	97	0.04	0.0	6.107	0.085	0	0	0	70
PL.71884	PL.71883	ABC	#1/0 ACSR	7.22Y	120.4	0.02	4.63	12.91	6	272	67	97	0.04	0.0	6.204	0.097	0	0	0	69
PL.72046	PL.71884	ABC	#1/0 ACSR	7.22Y	120.3	0.02	4.65	12.91	6	272	67	97	0.04	0.0	6.299	0.095	0	0	0	69
PL.70834	PL.72046	ABC	#1/0 ACSR	7.22Y	120.3	0.04	4.69	12.91	6	272	67	97	0.08	0.0	6.470	0.171	2	1	1	69
PL.70835	PL.70834	ABC	#1/0 ACSR	7.22Y	120.3	0.04	4.74	12.81	6	269	66	97	0.08	0.0	6.656	0.186	0	0	0	68
PL.72047	PL.70835	ABC	#1/0 ACSR	7.21Y	120.2	0.04	4.77	12.81	6	269	66	97	0.08	0.0	6.830	0.174	0	0	0	68
PL.72005	PL.72047	ABC	#1/0 ACSR	7.21Y	120.2	0.03	4.81	11.85	5	249	61	97	0.06	0.0	6.995	0.165	0	0	0	65
PL.72404	PL.72005	A	6 A (CWC)	7.21Y	120.2	0.00	4.81	18.93	14	133	32	97	0.00	0.0	6.998	0.003	0	0	0	32
PD.10758	PL.72404	A	35L	7.21Y	120.2	0.00	4.81	18.93	54	133	32	97	0.00	0.0	6.998	0.003	0	0	0	32
PL.72405	PD.10758	A	6 A (CWC)	7.20Y	120.1	0.12	4.93	18.93	14	133	32	97	0.12	0.1	7.136	0.139	0	0	0	32
PL.72048	PL.72405	A	6 A (CWC)	7.20Y	120.0	0.11	5.04	18.93	14	133	32	97	0.11	0.1	7.268	0.131	0	0	0	32

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.72107	PL.72048	A	6 A (CWC)	7.19Y	119.9	0.07	5.11	18.93	14	132	32	97	0.07	0.1	7.346	0.078	0	0	0	32
PL.72049	PL.72107	A	6 A (CWC)	7.19Y	119.8	0.09	5.20	18.93	14	132	32	97	0.09	0.1	7.447	0.101	0	0	0	32
PL.72051	PL.72049	A	6 A (CWC)	7.18Y	119.7	0.08	5.28	18.93	14	132	32	97	0.08	0.1	7.543	0.096	0	0	0	32
PL.72050	PL.72051	A	6 A (CWC)	7.18Y	119.6	0.08	5.36	18.93	14	132	32	97	0.08	0.1	7.635	0.092	9	2	3	32
PL.71926	PL.72050	A	6 A (CWC)	7.17Y	119.6	0.07	5.43	17.68	13	123	30	97	0.07	0.1	7.729	0.093	0	0	0	29
PL.72006	PL.71926	A	6 A (CWC)	7.17Y	119.6	0.00	5.43	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)	7.17Y	119.5	0.12	5.55	17.68	13	123	30	97	0.11	0.1	7.873	0.145	0	0	0	28
PL.71930	PL.71927	A	6 A (CWC)	7.17Y	119.4	0.03	5.58	7.00	5	49	12	97	0.01	0.0	7.982	0.109	0	0	0	12
PL.72396	PL.71930	A	#1/0 ACSR	7.17Y	119.4	0.00	5.58	7.00	3	49	12	97	0.00	0.0	7.987	0.005	0	0	0	12
PD.10754	PL.72396	A	15T	7.17Y	119.4	0.00	5.58	7.00	0	49	12	97	0.00	0.0	7.987	0.005	0	0	0	12
PL.72397	PD.10754	A	#1/0 ACSR	7.16Y	119.4	0.01	5.59	7.00	3	49	12	97	0.00	0.0	8.030	0.044	3	1	1	12
PL.71931	PL.72397	A	6 A (CWC)	7.16Y	119.4	0.02	5.61	6.55	5	46	11	97	0.01	0.0	8.111	0.080	0	0	0	11
PL.72052	PL.71931	A	6 A (CWC)	7.16Y	119.3	0.05	5.66	6.55	5	46	11	97	0.02	0.0	8.268	0.157	0	0	0	11
PL.71935	PL.72052	A	6 A (CWC)	7.16Y	119.3	0.02	5.68	4.25	3	30	7	97	0.00	0.0	8.361	0.093	0	0	0	7
PL.72055	PL.71935	A	6 A (CWC)	7.16Y	119.3	0.02	5.70	4.25	3	30	7	97	0.00	0.0	8.458	0.097	0	0	0	7
PL.72054	PL.72055	A	6 A (CWC)	7.16Y	119.3	0.02	5.71	4.25	3	30	7	97	0.00	0.0	8.547	0.089	0	0	0	7
PL.71936	PL.72054	A	#4 ACSR	7.16Y	119.3	0.00	5.71	0.67	1	5	1	98	0.00	0.0	8.646	0.100	5	1	2	2
PL.70842	PL.72054	A	6 A (CWC)	7.16Y	119.3	0.01	5.72	3.58	3	25	6	97	0.00	0.0	8.592	0.045	6	1	1	5
PL.72295	PL.70842	A	6 A (CWC)	7.16Y	119.3	0.02	5.74	2.71	2	19	5	97	0.00	0.0	8.736	0.144	0	0	0	4
PL.72056	PL.72295	A	6 A (CWC)	7.16Y	119.3	0.01	5.75	2.71	2	19	5	97	0.00	0.0	8.827	0.091	6	1	1	4
PL.71938	PL.72056	A	6 A (CWC)	7.16Y	119.3	0.00	5.75	0.92	1	6	2	95	0.00	0.0	8.896	0.069	0	0	0	1
PL.72016	PL.71938	A	6 A (CWC)	7.15Y	119.2	0.00	5.75	0.92	1	6	2	95	0.00	0.0	9.000	0.104	6	2	1	1
PL.71937	PL.72056	A	6 A (CWC)	7.16Y	119.3	0.00	5.75	0.97	1	7	2	96	0.00	0.0	8.895	0.067	7	2	2	2
PL.72015	PL.72052	A	6 A (CWC)	7.16Y	119.3	0.01	5.67	2.30	2	16	4	97	0.00	0.0	8.361	0.093	0	0	0	4
PL.71933	PL.72015	A	6 A (CWC)	7.16Y	119.3	0.02	5.69	2.30	2	16	4	97	0.00	0.0	8.545	0.184	0	0	0	2
PL.72053	PL.71933	A	6 A (CWC)	7.16Y	119.3	0.01	5.70	2.30	2	16	4	97	0.00	0.0	8.643	0.098	6	1	1	2
PL.71934	PL.72053	A	#1/0 ACSR	7.16Y	119.3	0.00	5.70	1.47	1	10	3	96	0.00	0.0	8.802	0.159	10	3	1	1
PL.71932	PL.72015	A	#4 ACSR	7.16Y	119.3	0.00	5.67	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)	7.16Y	119.4	0.09	5.64	10.68	8	74	18	97	0.05	0.1	8.060	0.187	0	0	0	16
PD.10755	PL.72398	A	15T	7.16Y	119.4	0.00	5.64	10.68	0	74	18	97	0.00	0.0	8.060	0.187	0	0	0	16
PL.72399	PD.10755	A	6 A (CWC)	7.16Y	119.3	0.04	5.68	10.68	8	74	18	97	0.02	0.0	8.141	0.081	0	0	0	16

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Balanced Voltage Drop Report
Source: Annville

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.72007	PL.72399	A	6 A (CWC)	7.16Y	119.3	0.03	5.71	9.92	7	69	16	97	0.02	0.0	8.217	0.076	0	0	0	15
PL.70836	PL.72007	A	6 A (CWC)	7.16Y	119.3	0.01	5.72	8.13	6	57	13	97	0.01	0.0	8.257	0.040	9	2	2	13
PL.70837	PL.70836	A	6 A (CWC)	7.16Y	119.3	0.01	5.73	6.78	5	47	11	97	0.00	0.0	8.294	0.037	6	2	3	11
PL.71940	PL.70837	A	#4 ACSR	7.16Y	119.3	0.01	5.74	3.54	3	25	6	97	0.00	0.0	8.344	0.050	9	2	1	4
PL.70840	PL.71940	A	#4 ACSR	7.16Y	119.3	0.00	5.74	2.26	2	16	4	97	0.00	0.0	8.389	0.044	9	2	2	3
PL.70841	PL.70840	A	#4 ACSR	7.16Y	119.3	0.00	5.74	0.97	1	7	2	96	0.00	0.0	8.425	0.036	7	2	1	1
PL.72008	PL.70837	A	6 A (CWC)	7.16Y	119.3	0.01	5.74	2.36	2	17	4	97	0.00	0.0	8.366	0.072	0	0	0	4
PL.71942	PL.72008	A	6 A (CWC)	7.16Y	119.3	0.01	5.75	2.36	2	17	4	97	0.00	0.0	8.438	0.072	0	0	0	4
PL.72009	PL.71942	A	6 A (CWC)	7.15Y	119.2	0.01	5.76	2.21	2	15	3	98	0.00	0.0	8.545	0.107	2	0	1	3
PL.71943	PL.72009	A	#1/0 ACSR	7.15Y	119.2	0.00	5.76	1.99	1	14	3	98	0.00	0.0	8.562	0.017	0	0	0	2
PL.71944	PL.71943	A	#1/0 ACSR	7.15Y	119.2	0.00	5.76	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	7.15Y	119.2	0.00	5.76	1.99	1	14	3	98	0.00	0.0	8.627	0.065	0	0	0	2
PL.71945	PL.72010	A	#1/0 ACSR	7.15Y	119.2	0.00	5.76	0.92	0	6	2	95	0.00	0.0	8.673	0.046	6	2	1	1
PL.72370	PL.72010	A	1/0 AL URD	7.15Y	119.2	0.00	5.76	1.07	1	8	1	99	0.00	0.0	8.632	0.005	0	0	0	1
PD.10743	PL.72370	A	15T	7.15Y	119.2	0.00	5.76	1.07	0	8	1	99	0.00	0.0	8.632	0.005	0	0	0	1
PL.72371	PD.10743	A	1/0 AL URD	7.15Y	119.2	0.00	5.77	1.07	1	8	1	99	0.00	0.0	8.771	0.139	8	2	1	1
PL.71941	PL.71942	A	#1/0 ACSR	7.16Y	119.3	0.00	5.75	0.15	0	1	0	100	0.00	0.0	8.495	0.057	1	0	1	1
PL.70838	PL.72007	A	#1/0 ACSR	7.16Y	119.3	0.00	5.71	1.79	1	12	3	97	0.00	0.0	8.246	0.029	7	2	1	2
PL.70839	PL.70838	A	#1/0 ACSR	7.16Y	119.3	0.00	5.71	0.82	0	6	1	99	0.00	0.0	8.276	0.030	6	1	1	1
PL.71939	PL.72399	A	#4 ACSR	7.16Y	119.3	0.00	5.68	0.76	1	5	1	98	0.00	0.0	8.209	0.069	5	1	1	1
PL.72406	PL.72005	B	6 A (CWC)	7.21Y	120.2	0.04	4.84	16.63	12	116	29	97	0.03	0.0	7.042	0.047	0	0	0	33
PD.10759	PL.72406	B	35L	7.21Y	120.2	0.00	4.84	16.63	48	116	29	97	0.00	0.0	7.042	0.047	0	0	0	33
PL.72407	PD.10759	B	6 A (CWC)	7.21Y	120.1	0.03	4.87	16.63	12	116	29	97	0.03	0.0	7.079	0.038	0	0	0	33
PL.72289	PL.72407	B	#4 ACSR	7.21Y	120.1	0.00	4.87	0.67	1	5	1	98	0.00	0.0	7.100	0.020	0	0	1	2
PL.72290	PL.72289	B	#4 ACSR	7.21Y	120.1	0.00	4.88	0.67	1	5	1	98	0.00	0.0	7.221	0.122	0	0	0	1
PL.71901	PL.72290	B	#1/0 ACSR	7.21Y	120.1	0.00	4.88	0.67	0	5	1	98	0.00	0.0	7.303	0.082	5	1	1	1
PL.72127	PL.72407	B	6 A (CWC)	7.20Y	120.0	0.09	4.97	15.96	11	112	28	97	0.08	0.1	7.208	0.129	0	0	1	31
PL.72128	PL.72127	B	6 A (CWC)	7.20Y	120.0	0.06	5.02	15.67	11	110	27	97	0.05	0.0	7.292	0.084	7	2	1	29
PL.72129	PL.72128	B	6 A (CWC)	7.19Y	119.9	0.07	5.09	14.63	10	102	25	97	0.05	0.1	7.400	0.108	3	1	2	28
PL.72302	PL.72129	B	#4 ACSR	7.19Y	119.9	0.00	5.10	0.75	1	5	1	98	0.00	0.0	7.459	0.058	0	0	1	2
PL.72303	PL.72302	B	#4 ACSR	7.19Y	119.9	0.00	5.10	0.75	1	5	1	98	0.00	0.0	7.550	0.091	5	1	1	1

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Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.72130	PL.72129	B	6 A (CWC)	7.19Y	119.8	0.06	5.15	13.41	10	94	23	97	0.04	0.0	7.492	0.092	0	0	0	24
PL.71903	PL.72130	B	#4 ACSR	7.19Y	119.8	0.00	5.15	1.68	1	12	3	97	0.00	0.0	7.541	0.049	12	3	1	1
PL.72011	PL.72130	B	6 A (CWC)	7.19Y	119.8	0.05	5.20	11.74	8	82	20	97	0.03	0.0	7.583	0.091	0	0	0	23
PL.72057	PL.72011	B	6 A (CWC)	7.18Y	119.7	0.06	5.26	11.74	8	82	20	97	0.04	0.0	7.692	0.110	0	0	0	23
PL.72012	PL.72057	B	6 A (CWC)	7.18Y	119.7	0.05	5.31	11.36	8	79	19	97	0.03	0.0	7.787	0.095	0	0	0	22
PL.71905	PL.72012	B	#2 ACSR	7.18Y	119.7	0.00	5.31	1.13	1	8	2	97	0.00	0.0	7.814	0.027	8	2	1	1
PL.72013	PL.72012	B	6 A (CWC)	7.18Y	119.7	0.03	5.34	9.97	7	70	17	97	0.02	0.0	7.859	0.072	0	0	0	20
PL.71906	PL.72013	B	6 A (CWC)	7.18Y	119.6	0.08	5.42	9.97	7	70	17	97	0.04	0.1	8.031	0.172	0	0	0	20
PL.72293	PL.71906	B	6 A (CWC)	7.17Y	119.5	0.07	5.48	9.97	7	69	17	97	0.04	0.1	8.177	0.146	0	0	0	20
PL.72294	PL.72293	B	6 A (CWC)	7.17Y	119.5	0.01	5.50	9.97	7	69	17	97	0.01	0.0	8.205	0.028	0	0	0	20
PL.71908	PL.72294	B	#4 ACSR	7.17Y	119.5	0.01	5.50	2.04	2	14	3	98	0.00	0.0	8.311	0.106	0	0	0	4
PL.71909	PL.71908	B	6 A (CWC)	7.17Y	119.5	0.01	5.52	2.04	1	14	3	98	0.00	0.0	8.421	0.110	0	0	0	4
PL.71911	PL.71909	B	6 A (CWC)	7.17Y	119.5	0.01	5.52	1.09	1	8	2	97	0.00	0.0	8.523	0.103	0	0	0	2
PL.72285	PL.71911	B	6 A (CWC)	7.17Y	119.5	0.00	5.53	1.09	1	8	2	97	0.00	0.0	8.628	0.104	1	0	1	2
PL.72286	PL.72285	B	6 A (CWC)	7.17Y	119.5	0.00	5.53	1.01	1	7	2	96	0.00	0.0	8.725	0.098	0	0	0	1
PL.71912	PL.72286	B	#1/0 ACSR	7.17Y	119.5	0.00	5.53	1.01	0	7	2	96	0.00	0.0	8.794	0.069	7	2	1	1
PL.71910	PL.71909	B	#1/0 ACSR	7.17Y	119.5	0.00	5.52	0.95	0	7	2	96	0.00	0.0	8.466	0.045	7	2	2	2
PL.71907	PL.72294	B	6 A (CWC)	7.17Y	119.4	0.06	5.56	7.93	6	55	14	97	0.03	0.0	8.382	0.177	0	0	0	16
PL.71913	PL.71907	B	6 A (CWC)	7.16Y	119.4	0.03	5.59	7.93	6	55	14	97	0.01	0.0	8.473	0.091	0	0	0	16
PL.71914	PL.71913	B	6 A (CWC)	7.16Y	119.4	0.04	5.63	7.93	6	55	14	97	0.02	0.0	8.575	0.102	1	0	1	16
PL.72291	PL.71914	B	6 A (CWC)	7.16Y	119.4	0.02	5.64	7.80	6	54	13	97	0.01	0.0	8.623	0.048	4	1	1	15
PL.72292	PL.72291	B	6 A (CWC)	7.16Y	119.3	0.06	5.70	7.26	5	51	12	97	0.02	0.0	8.791	0.168	0	0	0	14
PL.71916	PL.72292	B	6 A (CWC)	7.16Y	119.3	0.04	5.74	6.19	4	43	11	97	0.01	0.0	8.927	0.136	0	0	0	13
PL.71921	PL.71916	B	6 A (CWC)	7.16Y	119.3	0.00	5.74	0.79	1	5	1	98	0.00	0.0	9.009	0.083	0	0	0	1
PL.71922	PL.71921	B	#2 ACSR	7.16Y	119.3	0.00	5.74	0.79	0	5	1	98	0.00	0.0	9.055	0.046	5	1	1	1
PL.71919	PL.71916	B	6 A (CWC)	7.16Y	119.3	0.01	5.74	1.48	1	10	3	96	0.00	0.0	9.021	0.095	0	0	0	6
PL.72058	PL.71919	B	6 A (CWC)	7.15Y	119.2	0.01	5.75	1.48	1	10	3	96	0.00	0.0	9.115	0.094	0	0	0	6
PL.71923	PL.72058	B	#1/0 ACSR	7.15Y	119.2	0.00	5.75	1.08	0	7	2	96	0.00	0.0	9.175	0.060	7	2	2	2
PL.72014	PL.72058	B	6 A (CWC)	7.15Y	119.2	0.00	5.75	0.40	0	3	1	95	0.00	0.0	9.173	0.058	0	0	0	4
PL.72281	PL.72014	B	6 A (CWC)	7.15Y	119.2	0.00	5.75	0.40	0	3	1	95	0.00	0.0	9.290	0.117	0	0	2	4
PL.72282	PL.72281	B	6 A (CWC)	7.15Y	119.2	0.00	5.76	0.39	0	3	1	95	0.00	0.0	9.389	0.099	0	0	0	2

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Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.72280	PL.72282	B	6 A (CWC)	7.15Y	119.2	0.00	5.76	0.39	0	3	1	95	0.00	0.0	9.468	0.079	0	0	1	2
PL.71924	PL.72280	B	#1/0 ACSR	7.15Y	119.2	0.00	5.76	0.39	0	3	1	95	0.00	0.0	9.512	0.044	3	1	1	1
PL.71917	PL.71916	B	#2 ACSR	7.16Y	119.3	0.00	5.74	0.63	0	4	1	97	0.00	0.0	9.000	0.074	4	1	2	2
PL.71918	PL.71916	B	#1/0 ACSR	7.16Y	119.3	0.00	5.74	1.53	1	11	3	96	0.00	0.0	9.042	0.115	11	3	2	2
PL.71920	PL.71916	B	6 A (CWC)	7.16Y	119.3	0.00	5.74	1.76	1	12	3	97	0.00	0.0	8.984	0.057	12	3	2	2
PL.71915	PL.72292	B	6 A (CWC)	7.16Y	119.3	0.00	5.70	1.07	1	7	2	96	0.00	0.0	8.833	0.042	7	2	1	1
PL.70830	PL.72012	B	6 A (CWC)	7.18Y	119.7	0.00	5.31	0.26	0	2	0	100	0.00	0.0	7.827	0.040	0	0	0	1
PL.70831	PL.70830	B	6 A (CWC)	7.18Y	119.7	0.00	5.31	0.26	0	2	0	100	0.00	0.0	7.961	0.134	0	0	0	1
PL.71925	PL.70831	B	6 A (CWC)	7.18Y	119.7	0.00	5.31	0.26	0	2	0	100	0.00	0.0	8.053	0.092	2	0	1	1
PL.71904	PL.72057	B	6 A (CWC)	7.18Y	119.7	0.00	5.26	0.37	0	3	1	95	0.00	0.0	7.751	0.058	3	1	1	1
PL.71902	PL.72127	B	#4 ACSR	7.20Y	120.0	0.00	4.97	0.29	0	2	0	100	0.00	0.0	7.275	0.067	2	0	1	1
PL.72368	PL.72047	C	#2 ACSR	7.21Y	120.2	0.00	4.78	2.87	2	20	5	97	0.00	0.0	6.834	0.005	0	0	0	3
PD.10742	PL.72368	C	20T	7.21Y	120.2	0.00	4.78	2.87	0	20	5	97	0.00	0.0	6.834	0.005	0	0	0	3
PL.72369	PD.10742	C	#2 ACSR	7.21Y	120.2	0.01	4.79	2.87	2	20	5	97	0.00	0.0	6.981	0.147	0	0	0	3
PL.71928	PL.72369	C	#2 ACSR	7.21Y	120.2	0.00	4.79	2.87	2	20	5	97	0.00	0.0	7.035	0.054	14	3	2	3
PL.71929	PL.71928	C	#1/0 ACSR	7.21Y	120.2	0.00	4.79	0.89	0	6	2	95	0.00	0.0	7.050	0.014	6	2	1	1
PL.72366	PL.71883	A	#1/0 ACSR	7.22Y	120.4	0.00	4.61	0.81	0	6	1	99	0.00	0.0	6.112	0.005	0	0	0	1
PD.10741	PL.72366	A	20T	7.22Y	120.4	0.00	4.61	0.81	0	6	1	99	0.00	0.0	6.112	0.005	0	0	0	1
PL.72367	PD.10741	A	#1/0 ACSR	7.22Y	120.4	0.00	4.61	0.81	0	6	1	99	0.00	0.0	6.149	0.037	6	1	1	1
PL.72362	PL.72269	B	6 A (CWC)	7.23Y	120.4	0.01	4.55	13.36	10	94	23	97	0.01	0.0	5.845	0.017	0	0	0	24
PD.10739	PL.72362	B	100CodeSMo	7.23Y	120.4	0.00	4.55	13.36	0	94	23	97	0.00	0.0	5.845	0.017	0	0	0	24
PL.72363	PD.10739	B	6 A (CWC)	7.22Y	120.4	0.05	4.61	13.36	10	94	23	97	0.04	0.0	5.931	0.085	0	0	0	24
PL.72122	PL.72363	B	6 A (CWC)	7.22Y	120.3	0.07	4.67	12.96	9	91	22	97	0.05	0.0	6.044	0.113	2	1	2	23
PL.72123	PL.72122	B	6 A (CWC)	7.22Y	120.3	0.08	4.75	10.08	7	71	17	97	0.04	0.1	6.213	0.169	0	0	0	17
PL.72042	PL.72123	B	6 A (CWC)	7.21Y	120.2	0.05	4.80	10.08	7	71	17	97	0.03	0.0	6.320	0.107	0	0	0	17
PL.72274	PL.72042	B	6 A (CWC)	7.21Y	120.2	0.02	4.82	6.76	5	47	12	97	0.01	0.0	6.395	0.075	3	1	1	12
PL.72275	PL.72274	B	6 A (CWC)	7.21Y	120.2	0.02	4.84	6.30	4	44	11	97	0.01	0.0	6.449	0.054	0	0	0	11
PL.72000	PL.72275	B	6 A (CWC)	7.21Y	120.1	0.04	4.88	5.69	4	40	10	97	0.01	0.0	6.618	0.169	0	0	1	10
PL.72001	PL.72000	B	6 A (CWC)	7.21Y	120.1	0.02	4.90	5.05	4	35	9	97	0.00	0.0	6.693	0.075	5	1	2	7
PL.71891	PL.72001	B	6 A (CWC)	7.21Y	120.1	0.01	4.90	4.30	3	30	7	97	0.00	0.0	6.738	0.045	0	0	0	5
PL.71892	PL.71891	B	#4 ACSR	7.21Y	120.1	0.01	4.91	3.25	2	23	6	97	0.00	0.0	6.777	0.038	0	0	0	3

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Balanced Voltage Drop Report
Source: Annville

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.72003	PL.71892	B	#2 ACSR	7.21Y	120.1	0.01	4.92	3.25	2	23	6	97	0.00	0.0	6.845	0.068	0	0	0	3
PL.71893	PL.72003	B	#1/0 ACSR	7.20Y	120.1	0.00	4.92	0.98	0	7	2	96	0.00	0.0	6.896	0.051	7	2	1	1
PL.71887	PL.72003	B	#2 ACSR	7.20Y	120.1	0.01	4.92	2.26	1	16	4	97	0.00	0.0	6.973	0.128	8	2	1	2
PL.71886	PL.71887	B	#1/0 ACSR	7.20Y	120.1	0.00	4.92	1.12	0	8	2	97	0.00	0.0	7.064	0.091	8	2	1	1
PL.72002	PL.71891	B	6 A (CWC)	7.21Y	120.1	0.00	4.91	1.05	1	7	2	96	0.00	0.0	6.826	0.087	0	0	0	2
PL.72043	PL.72002	B	6 A (CWC)	7.21Y	120.1	0.01	4.91	1.05	1	7	2	96	0.00	0.0	6.954	0.129	0	0	0	2
PL.71894	PL.72043	B	#4 ACSR	7.21Y	120.1	0.00	4.92	1.05	1	7	2	96	0.00	0.0	7.013	0.059	7	2	2	2
PL.71890	PL.72000	B	6 A (CWC)	7.21Y	120.1	0.00	4.88	0.64	0	4	1	97	0.00	0.0	6.683	0.064	4	1	1	2
PL.71889	PL.71890	B	#1/0 ACSR	7.21Y	120.1	0.00	4.88	0.04	0	0	0	100	0.00	0.0	6.725	0.042	0	0	1	1
PL.71888	PL.72275	B	6 A (CWC)	7.21Y	120.2	0.00	4.84	0.60	0	4	1	97	0.00	0.0	6.547	0.098	4	1	1	1
PL.71999	PL.72042	B	6 A (CWC)	7.21Y	120.2	0.01	4.81	3.31	2	23	6	97	0.00	0.0	6.419	0.099	0	0	0	5
PL.71895	PL.71999	B	6 A (CWC)	7.21Y	120.2	0.02	4.83	3.31	2	23	6	97	0.00	0.0	6.521	0.102	0	0	0	5
PL.72276	PL.71895	B	6 A (CWC)	7.21Y	120.2	0.00	4.83	2.05	1	14	4	96	0.00	0.0	6.601	0.080	14	4	2	3
PL.72277	PL.72276	B	6 A (CWC)	7.21Y	120.2	0.00	4.83	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)	7.21Y	120.2	0.01	4.84	1.27	1	9	2	98	0.00	0.0	6.702	0.181	0	0	0	2
PL.71896	PL.72004	B	6 A (CWC)	7.21Y	120.2	0.00	4.84	1.27	1	9	2	98	0.00	0.0	6.781	0.080	0	0	0	2
PL.71900	PL.71896	B	6 A (CWC)	7.21Y	120.2	0.00	4.84	1.27	1	9	2	98	0.00	0.0	6.846	0.065	9	2	1	1
PL.71898	PL.71896	B	6 A (CWC)	7.21Y	120.2	0.00	4.84	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	7.21Y	120.2	0.00	4.84	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)	7.21Y	120.2	0.00	4.84	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)	7.21Y	120.2	0.00	4.84	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)	7.21Y	120.2	0.00	4.84	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)	7.21Y	120.2	0.00	4.84	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	7.21Y	120.2	0.00	4.84	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)	7.22Y	120.3	0.00	4.67	2.54	2	18	4	98	0.00	0.0	6.082	0.039	12	3	2	4
PL.72305	PL.72304	B	6 A (CWC)	7.22Y	120.3	0.00	4.68	0.89	1	6	2	95	0.00	0.0	6.118	0.036	6	2	2	2
PL.71885	PL.72363	B	#4 ACSR	7.22Y	120.4	0.00	4.61	0.40	0	3	1	95	0.00	0.0	6.015	0.085	3	1	1	1
PL.72358	PL.72267	C	6 A (CWC)	7.23Y	120.5	0.00	4.49	14.38	10	101	25	97	0.00	0.0	5.663	0.005	0	0	0	34
PD.10635	PL.72358	C	20T	7.23Y	120.5	0.00	4.49	14.38	0	101	25	97	0.00	0.0	5.663	0.005	0	0	0	34
PL.72359	PD.10635	C	6 A (CWC)	7.23Y	120.5	0.05	4.54	14.38	10	101	25	97	0.04	0.0	5.735	0.072	0	0	0	34
PL.71995	PL.72359	C	6 A (CWC)	7.22Y	120.4	0.11	4.65	13.76	10	97	24	97	0.08	0.1	5.909	0.174	0	0	0	30

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Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.72038	PL.71995	C	6 A (CWC)	7.22Y	120.3	0.06	4.71	13.76	10	96	24	97	0.04	0.0	6.004	0.095	0	0	0	30
PL.72040	PL.72038	C	6 A (CWC)	7.21Y	120.2	0.06	4.77	13.76	10	96	24	97	0.04	0.0	6.100	0.096	0	0	0	30
PL.72039	PL.72040	C	6 A (CWC)	7.21Y	120.2	0.06	4.82	13.76	10	96	24	97	0.04	0.0	6.192	0.092	3	1	1	30
PL.71645	PL.72039	C	#4 ACSR	7.21Y	120.2	0.00	4.82	0.81	1	6	1	99	0.00	0.0	6.320	0.128	6	1	1	1
PL.71646	PL.72039	C	6 A (CWC)	7.21Y	120.1	0.05	4.88	9.37	7	66	16	97	0.03	0.0	6.318	0.126	0	0	0	23
PL.72041	PL.71646	C	6 A (CWC)	7.21Y	120.1	0.04	4.92	9.37	7	66	16	97	0.02	0.0	6.414	0.096	2	0	1	23
PL.71654	PL.72041	C	6 A (CWC)	7.20Y	120.1	0.03	4.95	8.95	6	63	15	97	0.02	0.0	6.493	0.079	0	0	0	21
PL.71655	PL.71654	C	#4 ACSR	7.20Y	120.1	0.00	4.95	0.25	0	2	0	100	0.00	0.0	6.560	0.066	2	0	1	1
PL.72264	PL.71654	C	#1/0 ACSR	7.20Y	120.0	0.01	4.96	8.70	4	61	15	97	0.00	0.0	6.543	0.049	1	0	1	20
PL.72265	PL.72264	C	#1/0 ACSR	7.20Y	120.0	0.01	4.97	8.56	4	60	15	97	0.01	0.0	6.619	0.077	0	0	0	19
PL.72259	PL.72265	C	#1/0 ACSR	7.20Y	120.0	0.01	4.99	8.56	4	60	15	97	0.01	0.0	6.696	0.077	2	0	2	19
PL.72260	PL.72259	C	#1/0 ACSR	7.20Y	120.0	0.01	5.00	8.30	4	58	14	97	0.00	0.0	6.747	0.051	0	0	0	17
PL.71657	PL.72260	C	6 A (CWC)	7.20Y	120.0	0.02	5.02	6.32	5	44	11	97	0.01	0.0	6.816	0.069	2	1	1	16
PL.71659	PL.71657	C	#4 ACSR	7.20Y	120.0	0.00	5.02	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)	7.20Y	120.0	0.02	5.04	6.01	4	42	10	97	0.01	0.0	6.928	0.113	16	4	4	15
PL.72192	PL.71660	C	#4 ACSR	7.20Y	120.0	0.01	5.05	3.71	3	26	6	97	0.00	0.0	6.959	0.031	0	0	1	11
PL.72193	PL.72192	C	#4 ACSR	7.20Y	119.9	0.02	5.06	3.66	3	26	6	97	0.00	0.0	7.083	0.124	4	1	1	10
PL.71661	PL.72193	C	#4 ACSR	7.20Y	119.9	0.01	5.07	3.09	2	22	5	98	0.00	0.0	7.147	0.064	8	2	2	9
PL.72257	PL.71661	C	#1/0 ACSR	7.20Y	119.9	0.00	5.07	1.97	1	14	3	98	0.00	0.0	7.155	0.008	0	0	1	7
PL.72258	PL.72257	C	#1/0 ACSR	7.20Y	119.9	0.00	5.08	1.97	1	14	3	98	0.00	0.0	7.230	0.075	4	1	3	6
PL.71998	PL.72258	C	#1/0 ACSR	7.20Y	119.9	0.00	5.08	1.39	1	10	2	98	0.00	0.0	7.336	0.106	0	0	0	3
PL.71662	PL.71998	C	#1/0 ACSR	7.20Y	119.9	0.00	5.08	1.39	1	10	2	98	0.00	0.0	7.375	0.039	6	2	1	3
PL.71663	PL.71662	C	#4 ACSR	7.20Y	119.9	0.00	5.08	0.48	0	3	1	95	0.00	0.0	7.418	0.043	0	0	0	2
PL.71664	PL.71663	C	#4 ACSR	7.20Y	119.9	0.00	5.08	0.45	0	3	1	95	0.00	0.0	7.435	0.017	3	1	1	1
PL.72190	PL.71663	C	#4 ACSR	7.20Y	119.9	0.00	5.08	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	7.20Y	119.9	0.00	5.08	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	7.20Y	119.9	0.00	5.08	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	7.20Y	119.9	0.00	5.08	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)	7.20Y	120.0	0.00	5.00	1.98	1	14	3	98	0.00	0.0	6.779	0.032	0	0	0	1
PL.71658	PL.71656	C	6 A (CWC)	7.20Y	120.0	0.00	5.00	1.98	1	14	3	98	0.00	0.0	6.830	0.052	14	3	1	1
PL.71653	PL.72041	C	#4 ACSR	7.20Y	120.1	0.00	4.92	0.18	0	1	0	100	0.00	0.0	6.473	0.059	1	0	1	1

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Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.71644	PL.72039	C	#4 ACSR	7.21Y	120.2	0.01	4.84	3.21	2	22	6	96	0.00	0.0	6.286	0.094	0	0	0	5
PL.71996	PL.71644	C	#4 ACSR	7.21Y	120.2	0.01	4.84	1.62	1	11	3	96	0.00	0.0	6.371	0.084	0	0	1	4
PL.71648	PL.71996	C	#4 ACSR	7.21Y	120.2	0.00	4.85	1.60	1	11	3	96	0.00	0.0	6.426	0.056	0	0	0	3
PL.71649	PL.71648	C	#1/0 ACSR	7.21Y	120.2	0.00	4.85	0.71	0	5	1	98	0.00	0.0	6.462	0.035	5	1	1	1
PL.71650	PL.71648	C	#1/0 ACSR	7.21Y	120.2	0.00	4.85	0.63	0	4	1	97	0.00	0.0	6.472	0.045	4	1	1	1
PL.71997	PL.71648	C	#4 ACSR	7.21Y	120.2	0.00	4.85	0.26	0	2	0	100	0.00	0.0	6.503	0.076	2	0	1	1
PL.71647	PL.71644	C	#1/0 ACSR	7.21Y	120.2	0.00	4.84	1.59	1	11	3	96	0.00	0.0	6.321	0.034	11	3	1	1
PL.71643	PL.72359	C	#4 ACSR	7.23Y	120.5	0.00	4.54	0.39	0	3	1	95	0.00	0.0	5.830	0.095	3	1	2	2
PL.71642	PL.72359	C	#4 ACSR	7.23Y	120.5	0.00	4.54	0.23	0	2	0	100	0.00	0.0	5.780	0.045	2	0	2	2
PL.72354	PL.71994	C	#1/0 ACSR	7.25Y	120.8	0.00	4.24	0.00	0	0	0	100	0.00	0.0	5.083	0.005	0	0	0	0
PD.10633	PL.72354	C	20T	7.25Y	120.8	0.00	4.24	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	7.25Y	120.8	0.00	4.24	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)	7.25Y	120.8	0.00	4.23	6.29	4	44	11	97	0.00	0.0	5.046	0.005	0	0	0	7
PD.10632	PL.72120	A	20T	7.25Y	120.8	0.00	4.23	6.29	0	44	11	97	0.00	0.0	5.046	0.005	0	0	0	7
PL.71634	PD.10632	A	6 A (CWC)	7.25Y	120.8	0.00	4.23	1.62	1	11	3	96	0.00	0.0	5.110	0.064	11	3	1	1
PL.72121	PD.10632	A	6 A (CWC)	7.24Y	120.7	0.04	4.26	4.67	3	33	8	97	0.01	0.0	5.224	0.178	0	0	0	6
PL.71636	PL.72121	A	#4 ACSR	7.24Y	120.7	0.00	4.27	2.67	2	19	5	97	0.00	0.0	5.283	0.059	19	5	3	3
PL.71637	PL.72121	A	6 A (CWC)	7.24Y	120.7	0.01	4.27	2.01	1	14	3	98	0.00	0.0	5.285	0.062	0	0	0	3
PL.71638	PL.71637	A	#4 ACSR	7.24Y	120.7	0.00	4.27	1.10	1	8	2	97	0.00	0.0	5.303	0.018	8	2	1	1
PL.71639	PL.71637	A	#2 ACSR	7.24Y	120.7	0.00	4.27	0.90	1	6	2	95	0.00	0.0	5.406	0.120	0	0	1	2
PL.71640	PL.71639	A	#2 ACSR	7.24Y	120.7	0.00	4.27	0.89	1	6	2	95	0.00	0.0	5.539	0.133	6	2	1	1
PL.71754	PL.72184	C	#4 ACSR	7.26Y	121.0	0.00	4.00	7.84	6	55	14	97	0.00	0.0	4.584	0.005	0	0	0	14
PD.10630	PL.71754	C	20T	7.26Y	121.0	0.00	4.00	7.84	0	55	14	97	0.00	0.0	4.584	0.005	0	0	0	14
PL.72018	PD.10630	C	#4 ACSR	7.26Y	121.0	0.00	4.00	1.19	1	8	2	97	0.00	0.0	4.630	0.046	8	2	2	2
PL.71753	PD.10630	C	6 A (CWC)	7.26Y	121.0	0.03	4.03	6.65	5	47	11	97	0.01	0.0	4.709	0.125	14	3	2	12
PL.71775	PL.71753	C	6 A (CWC)	7.26Y	120.9	0.03	4.06	4.63	3	33	8	97	0.01	0.0	4.843	0.134	0	0	0	10
PL.71776	PL.71775	C	#1/0 ACSR	7.26Y	120.9	0.00	4.06	1.12	0	8	2	97	0.00	0.0	4.920	0.077	8	2	1	1
PL.71991	PL.71775	C	6 A (CWC)	7.26Y	120.9	0.01	4.08	3.51	3	25	6	97	0.00	0.0	4.930	0.088	0	0	0	9
PL.71777	PL.71991	C	#4 ACSR	7.26Y	120.9	0.00	4.08	2.18	2	15	4	97	0.00	0.0	4.980	0.050	0	0	0	3
PL.71778	PL.71777	C	#4 ACSR	7.25Y	120.9	0.02	4.10	2.18	2	15	4	97	0.00	0.0	5.156	0.175	0	0	0	3
PL.71782	PL.71778	C	#4 ACSR	7.25Y	120.9	0.00	4.10	1.00	1	7	2	96	0.00	0.0	5.257	0.101	7	2	2	2

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Balanced Voltage Drop Report
Source: Annville

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.71993	PL.71778	C	#4 ACSR	7.25Y	120.9	0.01	4.10	1.18	1	8	2	97	0.00	0.0	5.259	0.104	0	0	0	1
PL.72034	PL.71993	C	#4 ACSR	7.25Y	120.9	0.01	4.11	1.18	1	8	2	97	0.00	0.0	5.398	0.139	0	0	0	1
PL.71783	PL.72034	C	#1/0 ACSR	7.25Y	120.9	0.00	4.11	1.18	1	8	2	97	0.00	0.0	5.462	0.063	8	2	1	1
PL.71992	PL.71991	C	6 A (CWC)	7.25Y	120.9	0.01	4.09	1.34	1	9	2	98	0.00	0.0	5.074	0.144	0	0	0	6
PL.71779	PL.71992	C	6 A (CWC)	7.25Y	120.9	0.00	4.09	0.36	0	3	1	95	0.00	0.0	5.118	0.044	3	1	2	2
PL.71780	PL.71992	C	6 A (CWC)	7.25Y	120.9	0.01	4.09	0.98	1	7	2	96	0.00	0.0	5.254	0.180	0	0	0	4
PL.72035	PL.71780	C	6 A (CWC)	7.25Y	120.9	0.01	4.10	0.98	1	7	2	96	0.00	0.0	5.369	0.115	0	0	0	4
PL.72278	PL.72035	C	6 A (CWC)	7.25Y	120.9	0.00	4.10	0.80	1	6	1	99	0.00	0.0	5.485	0.117	6	1	2	3
PL.72279	PL.72278	C	6 A (CWC)	7.25Y	120.9	0.00	4.10	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)	7.25Y	120.9	0.00	4.10	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)	7.25Y	120.9	0.00	4.10	0.18	0	1	0	100	0.00	0.0	5.431	0.062	1	0	1	1
PL.72350	PL.72032	C	6 A (CWC)	7.27Y	121.1	0.00	3.85	1.95	1	14	3	98	0.00	0.0	4.307	0.005	0	0	0	3
PD.10629	PL.72350	C	20T	7.27Y	121.1	0.00	3.85	1.95	0	14	3	98	0.00	0.0	4.307	0.005	0	0	0	3
PL.72351	PD.10629	C	6 A (CWC)	7.27Y	121.1	0.01	3.86	1.95	1	14	3	98	0.00	0.0	4.381	0.075	0	0	0	3
PL.71751	PL.72351	C	#1/0 ACSR	7.27Y	121.1	0.00	3.86	1.25	1	9	2	98	0.00	0.0	4.423	0.041	9	2	1	1
PL.71990	PL.72351	C	6 A (CWC)	7.27Y	121.1	0.01	3.86	0.70	0	5	1	98	0.00	0.0	4.550	0.169	0	0	0	2
PL.71752	PL.71990	C	#2 ACSR	7.27Y	121.1	0.00	3.87	0.70	0	5	1	98	0.00	0.0	4.639	0.089	0	0	0	2
PL.72033	PL.71752	C	#2 ACSR	7.27Y	121.1	0.00	3.87	0.70	0	5	1	98	0.00	0.0	4.741	0.101	0	0	0	2
PL.71652	PL.72033	C	#1/0 ACSR	7.27Y	121.1	0.00	3.87	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	7.27Y	121.1	0.00	3.87	0.68	0	5	1	98	0.00	0.0	4.883	0.142	5	1	1	1
PL.72348	PL.72017	C	#4 ACSR	7.28Y	121.4	0.00	3.64	0.00	0	0	0	100	0.00	0.0	3.932	0.005	0	0	0	1
PD.10628	PL.72348	C	65T	7.28Y	121.4	0.00	3.64	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	7.28Y	121.4	0.00	3.64	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	7.28Y	121.4	0.00	3.64	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	7.28Y	121.4	0.00	3.64	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	7.28Y	121.4	0.00	3.64	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	7.28Y	121.4	0.00	3.64	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)	7.30Y	121.6	0.00	3.40	0.13	0	1	0	100	0.00	0.0	3.649	0.005	0	0	0	1
PD.10626	PL.72346	C	65T	7.30Y	121.6	0.00	3.40	0.13	0	1	0	100	0.00	0.0	3.649	0.005	0	0	0	1
PL.72347	PD.10626	C	6 A (CWC)	7.30Y	121.6	0.00	3.40	0.13	0	1	0	100	0.00	0.0	3.705	0.056	1	0	1	1
CP.111	PL.72414	ABC	Cap (300)	7.30Y	121.7	0.00	3.35	0.00	0	0	0	100	0.00	0.0	3.605	0.056	0	0	0	0

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Balanced Voltage Drop Report
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Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.72111	PL.72029	A	#1/0 ACSR	7.31Y	121.8	0.00	3.21	3.59	2	25	6	97	0.00	0.0	3.505	0.005	0	0	0	7
PD.10627	PL.72111	A	65T	7.31Y	121.8	0.00	3.21	3.59	0	25	6	97	0.00	0.0	3.505	0.005	0	0	0	7
PL.72110	PD.10627	A	#1/0 ACSR	7.31Y	121.8	0.00	3.21	2.07	1	15	4	97	0.00	0.0	3.559	0.054	3	1	1	5
PL.71746	PL.72110	A	#1/0 ACSR	7.31Y	121.8	0.00	3.21	1.14	0	8	2	97	0.00	0.0	3.639	0.079	8	2	1	1
PL.71747	PL.72110	A	#2 ACSR	7.31Y	121.8	0.00	3.21	0.49	0	3	1	95	0.00	0.0	3.601	0.042	3	1	3	3
PL.71748	PD.10627	A	#4 ACSR	7.31Y	121.8	0.00	3.21	1.52	1	11	3	96	0.00	0.0	3.596	0.091	11	3	2	2
PL.72342	PL.71731	A	#1/0 ACSR	7.35Y	122.4	0.00	2.58	0.80	0	6	1	99	0.00	0.0	3.042	0.005	0	0	0	2
PD.10624	PL.72342	A	65T	7.35Y	122.4	0.00	2.58	0.80	0	6	1	99	0.00	0.0	3.042	0.005	0	0	0	2
PL.72343	PD.10624	A	#1/0 ACSR	7.35Y	122.4	0.00	2.58	0.80	0	6	1	99	0.00	0.0	3.169	0.127	0	0	0	2
PL.71950	PL.72343	A	#1/0 ACSR	7.34Y	122.4	0.00	2.58	0.57	0	4	1	97	0.00	0.0	3.247	0.078	0	0	0	1
PL.71951	PL.71950	A	#1/0 ACSR	7.34Y	122.4	0.00	2.58	0.57	0	4	1	97	0.00	0.0	3.313	0.066	4	1	1	1
PL.71736	PL.72343	A	#1/0 ACSR	7.35Y	122.4	0.00	2.58	0.23	0	2	0	100	0.00	0.0	3.284	0.115	2	0	1	1
PL.72376	PL.71731	C	#1/0 ACSR	7.35Y	122.4	0.00	2.58	4.36	2	31	8	97	0.00	0.0	3.042	0.005	0	0	0	6
PD.10746	PL.72376	C	65T	7.35Y	122.4	0.00	2.58	4.36	0	31	8	97	0.00	0.0	3.042	0.005	0	0	0	6
PL.72377	PD.10746	C	#1/0 ACSR	7.35Y	122.4	0.00	2.58	4.36	2	31	8	97	0.00	0.0	3.053	0.012	0	0	0	6
PL.71732	PL.72377	C	6 A (CWC)	7.34Y	122.4	0.02	2.61	4.36	3	31	8	97	0.01	0.0	3.178	0.124	0	0	0	6
PL.71739	PL.71732	C	6 A (CWC)	7.34Y	122.4	0.03	2.63	4.32	3	31	8	97	0.01	0.0	3.307	0.129	0	0	0	5
PL.71740	PL.71739	C	#4 ACSR	7.34Y	122.4	0.00	2.63	0.87	1	6	2	95	0.00	0.0	3.377	0.071	6	2	1	1
PL.71952	PL.71739	C	6 A (CWC)	7.34Y	122.3	0.02	2.65	3.45	2	25	6	97	0.00	0.0	3.437	0.131	0	0	0	4
PL.72028	PL.71952	C	6 A (CWC)	7.34Y	122.3	0.02	2.67	3.45	2	25	6	97	0.00	0.0	3.573	0.135	1	0	1	4
PL.71741	PL.72028	C	6 A (CWC)	7.34Y	122.3	0.01	2.68	3.38	2	24	6	97	0.00	0.0	3.619	0.046	0	0	0	3
PL.72187	PL.71741	C	6 A (CWC)	7.34Y	122.3	0.01	2.69	1.77	1	13	3	97	0.00	0.0	3.706	0.087	7	2	1	2
PL.72188	PL.72187	C	6 A (CWC)	7.34Y	122.3	0.00	2.69	0.83	1	6	1	99	0.00	0.0	3.732	0.026	0	0	0	1
PL.71743	PL.72188	C	#1/0 ACSR	7.34Y	122.3	0.00	2.69	0.83	0	6	1	99	0.00	0.0	3.832	0.100	0	0	0	1
PL.71744	PL.71743	C	#1/0 ACSR	7.34Y	122.3	0.00	2.69	0.83	0	6	1	99	0.00	0.0	3.872	0.040	6	1	1	1
PL.71742	PL.71741	C	#2 ACSR	7.34Y	122.3	0.00	2.68	1.61	1	11	3	96	0.00	0.0	3.693	0.074	11	3	1	1
PL.71738	PL.71732	C	#4 ACSR	7.34Y	122.4	0.00	2.61	0.03	0	0	0	100	0.00	0.0	3.282	0.104	0	0	1	1
PL.72338	PL.71727	B	6 A (CWC)	7.40Y	123.4	0.00	1.61	3.31	2	24	6	97	0.00	0.0	2.363	0.005	0	0	0	4
PD.10622	PL.72338	B	65T	7.40Y	123.4	0.00	1.61	3.31	0	24	6	97	0.00	0.0	2.363	0.005	0	0	0	4
PL.72339	PD.10622	B	6 A (CWC)	7.40Y	123.4	0.00	1.61	3.31	2	24	6	97	0.00	0.0	2.383	0.020	11	3	1	4
PL.70799	PL.72339	B	6 A (CWC)	7.40Y	123.4	0.00	1.62	1.78	1	13	3	97	0.00	0.0	2.441	0.058	3	1	1	3

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Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru

PL.71947	PL.70799	B	6 A (CWC)	7.40Y	123.4	0.00	1.62	0.33	0	2	1	89	0.00	0.0	2.495	0.054	2	1	1	1
PL.71728	PL.70799	B	#1/0 ACSR	7.40Y	123.4	0.00	1.62	0.99	0	7	2	96	0.00	0.0	2.505	0.064	7	2	1	1
PL.71105	Annville	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	41.00	8	841	379	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	41.00	8	841	379	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	41.00	0	841	379	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	0.02	41.00	8	841	379	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	0.03	41.00	8	841	378	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	0.06	41.00	8	841	378	91	0.11	0.0	0.248	0.079	0	0	0	28
PL.72444	PL.72417	ABC	336 MCM AC	7.49Y	124.9	0.04	0.11	41.00	8	841	378	91	0.17	0.0	0.371	0.123	0	0	0	28
PL.72418	PL.72444	ABC	336 MCM AC	7.49Y	124.9	0.04	0.15	41.00	8	841	378	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	41.00	8	841	377	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	0.18	41.00	8	841	377	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	0.20	40.75	8	835	375	91	0.06	0.0	0.633	0.045	4	1	2	25
PL.72195	PL.72194	ABC	336 MCM AC	7.49Y	124.8	0.02	0.22	40.56	8	831	374	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	0.01	0.23	40.26	8	824	372	91	0.06	0.0	0.721	0.043	13	3	1	22
PL.72197	PL.72196	ABC	336 MCM AC	7.48Y	124.7	0.04	0.27	39.69	8	811	369	91	0.16	0.0	0.843	0.123	2	1	1	21
PL.72198	PL.72197	ABC	336 MCM AC	7.48Y	124.7	0.02	0.29	39.59	8	809	368	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	0.29	0.53	0	12	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	0.29	0.53	0	12	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	0.29	0.53	0	12	3	97	0.00	0.0	0.972	0.032	12	3	4	4
PL.72420	PL.72198	ABC	336 MCM AC	7.48Y	124.7	0.00	0.29	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	0.31	39.07	8	797	365	91	0.06	0.0	0.944	0.049	0	0	0	15
PL.72438	PL.72421	ABC	336 MCM AC	7.48Y	124.7	0.01	0.32	29.63	6	604	278	91	0.04	0.0	1.001	0.057	0	0	0	13
PL.72425	PL.72438	ABC	336 MCM AC	7.48Y	124.7	0.02	0.34	29.63	6	604	278	91	0.05	0.0	1.074	0.073	0	0	1	13
PL.72204	PL.72204	C	#4 ACSR	7.48Y	124.7	0.00	0.34	1.06	1	8	2	97	0.00	0.0	1.078	0.005	0	0	0	1
PD.10765	PL.72204	C	65T	7.48Y	124.7	0.00	0.34	1.06	0	8	2	97	0.00	0.0	1.078	0.005	0	0	0	1
PL.72205	PD.10765	C	#4 ACSR	7.48Y	124.7	0.00	0.35	1.06	1	8	2	97	0.00	0.0	1.157	0.078	8	2	1	1
PL.72440	PL.72425	ABC	336 MCM AC	7.48Y	124.6	0.02	0.37	29.28	6	596	276	91	0.07	0.0	1.165	0.092	0	0	0	11

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 EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.72441	PL.72440	ABC	336 MCM AC	7.48Y	124.6	0.01	0.37	26.47	5	539	249	91	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	0.37	26.47	8	539	249	91	0.00	0.0	1.197	0.005	0	0	0	10
PD.10767	PL.72208	ABC	65T	7.48Y	124.6	0.00	0.37	26.47	0	539	249	91	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	0.39	26.47	8	539	249	91	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	0.39	26.50	0	539	250	91	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	0.39	26.50	0	539	250	91	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	0.39	0.25	0	6	0	100	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	0.39	0.78	0	6	1	99	0.00	0.0	1.549	0.174	6	1	1	1
PL.72442	PD.10768-B	ABC	350 MCM AL	7.48Y	124.6	0.00	0.39	14.59	5	295	142	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	0.39	11.68	4	239	108	91	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	0.39	11.69	0	239	109	91	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	0.39	11.69	0	239	109	91	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	0.40	7.35	4	151	67	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	0.40	0.24	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	0.41	3.96	2	81	36	91	0.00	0.0	1.469	0.074	0	0	0	2
PL.72437	PL.72433	C	1/0 AL URD	7.48Y	124.6	0.00	0.41	0.56	0	4	1	97	0.00	0.0	1.478	0.009	4	1	1	1
PL.72443	PL.72433	ABC	1/0 AL URD	7.48Y	124.6	0.00	0.41	3.80	2	77	36	91	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	0.40	3.32	2	68	31	91	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	0.40	0.69	0	5	1	98	0.00	0.0	1.472	0.003	5	1	1	1
PL.72431	PD.10771-B	ABC	350 MCM AL	7.48Y	124.6	0.00	0.39	4.35	1	88	42	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	0.37	2.81	2	57	27	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	0.37	2.81	0	57	27	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	0.37	2.81	2	57	27	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	0.31	9.44	2	193	87	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	0.31	9.44	2	193	87	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	0.31	9.45	0	193	88	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	0.31	9.45	0	193	88	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	0.31	9.45	2	193	88	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	0.31	9.45	0	193	88	91	0.00	0.0	0.983	0.002	0	0	0	2
PD.10769-B	PD.10769-A	ABC	Closed	7.48Y	124.7	0.00	0.31	9.45	0	193	88	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	0.31	-0.04	0	0	-1	0	0.00	0.0	1.030	0.047	0	0	0	0

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Balanced Voltage Drop Report
Source: Annville

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.10770-A	PL.72439	ABC	Closed	7.48Y	124.7	0.00	0.31	-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	0.31	-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	0.31	-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	0.31	-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	0.31	1.69	1	12	3	97	0.00	0.0	1.026	0.042	12	3	2	2
PL.72427	PD.10769-B	ABC	500 MCM AL	7.48Y	124.7	0.00	0.31	8.91	2	181	86	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	0.93	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	0.93	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	0.93	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	0.18	0.79	0	6	1	99	0.00	0.0	0.596	0.009	0	0	0	3
PD.10763	PL.72445	A	65T	7.49Y	124.8	0.00	0.18	0.79	0	6	1	99	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	0.79	0	6	1	99	0.00	0.0	0.616	0.020	6	1	3	3
PL.71180	Annville	ABC	750 MCM AL	7.50Y	125.0	0.00	0.00	8.80	2	193	45	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	8.80	2	193	46	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	8.80	0	193	46	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	8.80	2	193	46	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	8.80	0	193	46	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	8.80	0	193	46	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	8.80	2	193	46	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	8.80	2	193	46	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	8.81	2	193	47	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	8.81	2	193	47	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	8.81	2	193	47	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	8.81	2	193	47	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	8.81	2	193	47	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	8.81	2	193	47	97	0.00	0.0	0.534	0.071	9	2	2	40
PL.70525	PL.70523	ABC	336 MCM AC	7.50Y	125.0	0.00	0.03	5.31	1	116	28	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	4.33	1	95	23	97	0.00	0.0	0.731	0.116	9	2	1	14

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Balanced Voltage Drop Report
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Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.70564	PL.70563	ABC	336 MCM AC	7.50Y	125.0	0.00	0.04	3.91	1	85	21	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	1.81	1	13	3	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	1.81	0	13	3	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	0.04	1.81	1	13	3	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	0.04	1.26	1	9	2	98	0.00	0.0	0.895	0.033	9	2	2	2
PL.70548	PL.70564	ABC	336 MCM AC	7.50Y	125.0	0.00	0.04	3.30	1	72	18	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	0.04	2.59	0	57	14	97	0.00	0.0	1.030	0.092	13	3	1	9
PL.70538	PL.70549	ABC	336 MCM AC	7.50Y	125.0	0.00	0.05	1.76	0	38	9	97	0.00	0.0	1.115	0.085	7	2	1	7
PL.70574	PL.70538	A	#2 ACSR	7.50Y	125.0	0.00	0.05	1.44	1	11	3	96	0.00	0.0	1.119	0.004	0	0	0	2
PD.10637	PL.70574	A	65T	7.50Y	125.0	0.00	0.05	1.44	0	11	3	96	0.00	0.0	1.119	0.004	0	0	0	2
PL.70575	PD.10637	A	#2 ACSR	7.50Y	125.0	0.00	0.05	1.44	1	11	3	96	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	0.05	1.42	1	10	3	96	0.00	0.0	1.232	0.012	10	3	1	1
PL.70550	PL.70538	ABC	336 MCM AC	7.50Y	125.0	0.00	0.05	0.94	0	21	5	97	0.00	0.0	1.291	0.176	0	0	0	4
PL.70572	PL.70550	C	#4 ACSR	7.50Y	125.0	0.00	0.05	1.93	1	14	3	98	0.00	0.0	1.295	0.004	0	0	0	3
PD.10636	PL.70572	C	65T	7.50Y	125.0	0.00	0.05	1.93	0	14	3	98	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	1.93	1	14	3	98	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	0.06	1.93	1	14	3	98	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	0.06	0.42	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	0.42	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	0.07	0.42	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	0.07	0.42	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	0.07	0.42	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	0.07	0.42	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	0.06	0.52	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	0.06	1.00	1	7	2	96	0.00	0.0	1.546	0.052	7	2	1	1
PL.70540	PL.70550	ABC	336 MCM AC	7.50Y	125.0	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	125.0	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	125.0	0.00	0.05	0.00	0	0	0	100	0.00	0.0	1.303	0.005	0	0	0	0
PL.70586	PL.70550	A	#4 ACSR	7.50Y	125.0	0.00	0.05	0.90	1	7	2	96	0.00	0.0	1.295	0.004	0	0	0	1
PD.10643	PL.70586	A	65T	7.50Y	125.0	0.00	0.05	0.90	0	7	2	96	0.00	0.0	1.295	0.004	0	0	0	1

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Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.70587	PD.10643	A	#4 ACSR	7.50Y	125.0	0.00	0.05	0.90	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	125.0	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	0.04	0.72	0	5	1	98	0.00	0.0	1.035	0.005	0	0	0	1
PD.10638	PL.70576	C	65T	7.50Y	125.0	0.00	0.04	0.72	0	5	1	98	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	0.04	0.72	0	5	1	98	0.00	0.0	1.082	0.047	5	1	1	1
PL.70578	PL.70548	A	#1/0 ACSR	7.50Y	125.0	0.00	0.04	2.13	1	16	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	0.04	2.13	0	16	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	0.04	2.13	1	16	4	97	0.00	0.0	1.000	0.057	15	4	1	1
PL.70584	PL.70525	A	6 A (CWC)	7.50Y	125.0	0.00	0.03	2.94	2	21	5	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	0.03	2.94	0	21	5	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	0.04	2.94	2	21	5	97	0.00	0.0	0.712	0.092	12	3	3	4
PL.70570	PL.70585	A	6 A (CWC)	7.50Y	125.0	0.00	0.05	1.30	1	9	2	98	0.00	0.0	0.786	0.074	9	2	1	1
PL.70571	PL.70570	A	6 A (CWC)	7.50Y	125.0	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	125.0	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	9.32	4	68	17	97	0.00	0.0	0.578	0.045	0	0	0	20
PL.70589	PL.70524	C	#1/0 ACSR	7.50Y	125.0	0.00	0.04	9.32	4	68	17	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	0.04	9.32	27	68	17	97	0.00	0.0	0.581	0.003	0	0	0	20
PL.70590	PD.10645	C	#1/0 ACSR	7.50Y	125.0	0.01	0.05	9.32	4	68	17	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	8.67	4	63	15	97	0.01	0.0	0.706	0.083	0	0	0	19
PL.70567	PL.70569	C	#1/0 ACSR	7.50Y	124.9	0.01	0.08	7.61	3	55	14	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	0.09	7.38	3	54	13	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	0.09	0.67	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	0.10	6.70	3	49	12	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	0.11	5.54	2	40	10	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	0.01	0.13	4.36	2	32	8	97	0.00	0.0	1.163	0.139	0	0	0	10
PL.70556	PL.70566	C	#1/0 ACSR	7.49Y	124.9	0.01	0.14	4.36	2	32	8	97	0.00	0.0	1.281	0.117	0	0	0	10
PL.70557	PL.70556	C	#1/0 ACSR	7.49Y	124.9	0.01	0.15	4.36	2	32	8	97	0.00	0.0	1.392	0.112	7	2	1	10
PL.70529	PL.70557	C	#1/0 ACSR	7.49Y	124.8	0.01	0.16	3.42	1	25	6	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	0.16	2.52	1	18	4	98	0.00	0.0	1.614	0.056	0	0	0	8
PL.70531	PL.70530	C	#1/0 ACSR	7.49Y	124.8	0.01	0.17	2.52	1	18	4	98	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	0.17	2.42	1	18	4	98	0.00	0.0	1.761	0.051	4	1	1	7

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Balanced Voltage Drop Report
Source: Annville

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.70534	PL.70532	C	#4 ACSR	7.49Y	124.8	0.00	0.18	1.91	1	14	3	98	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	0.18	0.99	1	7	2	96	0.00	0.0	1.859	0.043	7	2	1	1
PL.70535	PL.70534	C	#1/0 ACSR	7.49Y	124.8	0.00	0.18	0.92	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	0.18	0.50	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	0.18	0.41	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	0.17	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	0.17	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	0.17	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	0.17	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	0.17	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	0.10	1.17	1	8	2	97	0.00	0.0	0.990	0.045	8	2	2	2
PL.70526	PL.70569	C	#1/0 ACSR	7.50Y	124.9	0.00	0.07	1.06	0	8	2	97	0.00	0.0	0.738	0.032	8	2	2	2
PL.71178	Annville	ABC	397 SPACER	7.50Y	125.0	0.01	0.01	269.38	52	5752	1911	95	0.06	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	269.38	52	5752	1910	95	0.04	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	269.38	0	5752	1909	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	269.38	52	5752	1909	95	0.10	0.0	0.021	0.010	0	0	0	988
PL.70591	PL.72912	ABC	397 SPACER	7.49Y	124.9	0.08	0.09	269.38	52	5752	1908	95	0.78	0.0	0.103	0.082	0	0	0	988
PL.70592	PL.70591	ABC	336 MCM AC	7.48Y	124.7	0.23	0.33	269.38	52	5751	1899	95	6.74	0.1	0.213	0.110	0	0	0	988
PL.71039	PL.70592	ABC	336 MCM AC	7.47Y	124.4	0.25	0.58	269.38	52	5744	1883	95	7.25	0.1	0.331	0.119	0	0	0	988
PL.71040	PL.71039	ABC	336 MCM AC	7.45Y	124.2	0.23	0.81	269.38	52	5737	1866	95	6.57	0.1	0.439	0.108	0	0	0	988
PL.70594	PL.71040	ABC	336 MCM AC	7.45Y	124.1	0.06	0.87	269.38	52	5730	1851	95	1.83	0.0	0.469	0.030	0	0	0	987
PL.70595	PL.70594	ABC	336 MCM AC	7.43Y	123.9	0.25	1.12	269.38	52	5729	1847	95	7.32	0.1	0.589	0.120	0	0	0	987
PL.71042	PL.70595	ABC	336 MCM AC	7.42Y	123.6	0.24	1.36	269.38	52	5721	1830	95	6.92	0.1	0.702	0.113	0	0	0	987
PL.71041	PL.71042	ABC	336 MCM AC	7.40Y	123.3	0.31	1.67	269.38	52	5714	1814	95	9.11	0.2	0.851	0.149	0	0	0	987
PL.70596	PL.71041	ABC	336 MCM AC	7.40Y	123.3	0.07	1.74	269.38	52	5705	1792	95	2.17	0.0	0.886	0.036	0	0	0	987
PL.70597	PL.70596	ABC	336 MCM AC	7.38Y	123.0	0.24	1.98	269.38	52	5703	1787	95	7.13	0.1	1.003	0.117	0	0	0	987
PL.71583	PL.70597	A	#4 ACSR	7.38Y	123.0	0.00	1.98	1.44	1	10	3	96	0.00	0.0	1.007	0.004	0	0	0	2
PD.10717	PL.71583	A	65T	7.38Y	123.0	0.00	1.98	1.44	0	10	3	96	0.00	0.0	1.007	0.004	0	0	0	2

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

Balanced Voltage Drop Report
Source: Annville

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.71584	PD.10717	A	#4 ACSR	7.38Y	123.0	0.01	1.99	1.44	1	10	3	96	0.00	0.0	1.136	0.129	2	1	1	2
PL.70598	PL.71584	A	#4 ACSR	7.38Y	123.0	0.00	2.00	1.12	1	8	2	97	0.00	0.0	1.319	0.183	8	2	1	1
PL.71396	PL.70597	ABC	336 MCM AC	7.38Y	122.9	0.09	2.08	268.90	52	5686	1768	95	2.72	0.0	1.048	0.045	1	0	1	985
PL.71397	PL.71396	ABC	336 MCM AC	7.37Y	122.8	0.08	2.16	268.85	52	5682	1761	96	2.39	0.0	1.087	0.039	0	0	3	984
PL.71585	PL.71397	C	#4 ACSR	7.37Y	122.8	0.00	2.16	0.60	0	4	1	97	0.00	0.0	1.091	0.004	0	0	0	1
PD.10718	PL.71585	C	65T	7.37Y	122.8	0.00	2.16	0.60	0	4	1	97	0.00	0.0	1.091	0.004	0	0	0	1
PL.71586	PD.10718	C	#4 ACSR	7.37Y	122.8	0.00	2.16	0.60	0	4	1	97	0.00	0.0	1.237	0.146	4	1	1	1
PL.70961	PL.71397	ABC	336 MCM AC	7.37Y	122.8	0.07	2.23	268.64	52	5675	1755	96	2.12	0.0	1.122	0.035	0	0	0	980
PL.70599	PL.70961	C	#1/0 ACSR	7.37Y	122.8	0.00	2.23	0.99	0	7	2	96	0.00	0.0	1.153	0.032	7	2	1	1
PL.70962	PL.70961	ABC	336 MCM AC	7.36Y	122.6	0.16	2.39	268.31	52	5666	1748	96	4.56	0.1	1.197	0.075	0	0	0	979
PL.71587	PL.70962	C	#1/0 ACSR	7.36Y	122.6	0.00	2.39	5.47	2	39	10	97	0.00	0.0	1.201	0.004	0	0	0	2
PD.10719	PL.71587	C	65T	7.36Y	122.6	0.00	2.39	5.47	0	39	10	97	0.00	0.0	1.201	0.004	0	0	0	2
PL.71588	PD.10719	C	#1/0 ACSR	7.36Y	122.6	0.00	2.39	5.47	2	39	10	97	0.00	0.0	1.212	0.011	0	0	0	2
PL.70600	PL.71588	C	#4 ACSR	7.36Y	122.6	0.01	2.40	5.47	4	39	10	97	0.00	0.0	1.253	0.041	0	0	0	2
PL.71398	PL.70600	C	#1/0 ACSR	7.36Y	122.6	0.00	2.40	4.21	2	30	7	97	0.00	0.0	1.268	0.015	30	7	1	1
PL.71399	PL.71398	C	#1/0 ACSR	7.36Y	122.6	0.00	2.40	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	7.36Y	122.6	0.00	2.40	1.26	1	9	2	98	0.00	0.0	1.283	0.031	9	2	1	1
PL.70963	PL.70962	ABC	336 MCM AC	7.34Y	122.4	0.21	2.59	266.49	51	5622	1728	96	6.11	0.1	1.299	0.102	13	3	3	977
PL.70964	PL.70963	ABC	336 MCM AC	7.33Y	122.2	0.16	2.76	265.90	51	5603	1710	96	4.80	0.1	1.380	0.081	11	3	2	974
PL.71073	PL.70964	ABC	336 MCM AC	7.33Y	122.2	0.07	2.83	265.41	51	5588	1697	96	2.11	0.0	1.416	0.036	16	4	2	972
PL.70965	PL.71073	ABC	336 MCM AC	7.32Y	122.1	0.09	2.93	264.38	51	5564	1686	96	2.74	0.0	1.462	0.047	5	1	1	969
PL.70602	PL.70965	ABC	336 MCM AC	7.32Y	122.0	0.11	3.04	263.36	51	5539	1675	96	3.23	0.1	1.518	0.055	0	0	0	965
PL.71400	PL.70602	ABC	#4 ACSR	7.32Y	122.0	0.00	3.04	18.47	14	386	125	95	0.01	0.0	1.520	0.002	9	2	3	41
PL.71401	PL.71400	ABC	#4 ACSR	7.32Y	121.9	0.02	3.06	18.06	14	377	123	95	0.07	0.0	1.553	0.033	10	2	1	38
PL.71402	PL.71401	ABC	#4 ACSR	7.31Y	121.9	0.02	3.09	17.59	14	367	121	95	0.07	0.0	1.590	0.037	0	0	0	37
PL.70603	PL.71402	ABC	#4 ACSR	7.31Y	121.9	0.04	3.12	11.47	9	236	88	94	0.07	0.0	1.675	0.085	0	0	0	16
PL.71168	PL.70603	ABC	#4 ACSR	7.31Y	121.9	0.00	3.12	6.95	5	138	65	90	0.00	0.0	1.680	0.005	0	0	0	3
PL.71169	PL.71168	ABC	#4 ACSR	7.31Y	121.9	0.01	3.14	6.95	5	138	65	90	0.02	0.0	1.729	0.049	0	0	0	3
PL.70612	PL.71169	ABC	#4 ACSR	7.31Y	121.9	0.01	3.15	6.62	5	131	63	90	0.01	0.0	1.774	0.045	0	0	0	1
PL.70826	PL.70612	ABC	1/0 AL URD	7.31Y	121.9	0.00	3.15	6.62	4	131	63	90	0.00	0.0	1.778	0.005	0	0	0	1
PD.10588	PL.70826	ABC	65T	7.31Y	121.9	0.00	3.15	6.62	0	131	63	90	0.00	0.0	1.778	0.005	0	0	0	1

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Balanced Voltage Drop Report
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Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.70827	PD.10588	ABC	1/0 AL URD	7.31Y	121.9	0.00	3.15	6.62	4	131	63	90	0.00	0.0	1.785	0.007	131	63	1	1
PL.70613	PL.71169	C	#1/0 ACSR	7.31Y	121.9	0.00	3.14	1.02	0	7	2	96	0.00	0.0	1.733	0.004	0	0	0	2
PD.10723	PL.70613	C	65T	7.31Y	121.9	0.00	3.14	1.02	0	7	2	96	0.00	0.0	1.733	0.004	0	0	0	2
PL.71037	PD.10723	C	#1/0 ACSR	7.31Y	121.9	0.00	3.14	1.02	0	7	2	96	0.00	0.0	1.766	0.033	7	2	2	2
PL.70610	PL.70603	A	#4 ACSR	7.31Y	121.9	0.00	3.13	13.72	11	98	23	97	0.00	0.0	1.680	0.005	0	0	0	13
PD.10732	PL.70610	A	65T	7.31Y	121.9	0.00	3.13	13.72	0	98	23	97	0.00	0.0	1.680	0.005	0	0	0	13
PL.70609	PD.10732	A	#4 ACSR	7.31Y	121.9	0.02	3.14	4.71	4	34	8	97	0.00	0.0	1.763	0.084	6	1	1	7
PL.70614	PL.70609	A	#1/0 ACSR	7.31Y	121.8	0.02	3.16	3.93	2	28	7	97	0.00	0.0	1.947	0.183	4	1	2	6
PL.70969	PL.70614	A	#1/0 ACSR	7.31Y	121.8	0.01	3.16	2.26	1	16	4	97	0.00	0.0	2.093	0.147	0	0	0	3
PL.70760	PL.70969	A	#1/0 ACSR	7.31Y	121.8	0.00	3.16	1.05	0	7	2	96	0.00	0.0	2.116	0.023	7	2	1	1
PL.70970	PL.70969	A	#1/0 ACSR	7.31Y	121.8	0.00	3.17	1.21	1	9	2	98	0.00	0.0	2.167	0.074	0	0	0	2
PL.71406	PL.70970	A	6 A (CWC)	7.31Y	121.8	0.00	3.17	1.21	1	9	2	98	0.00	0.0	2.215	0.048	7	2	1	2
PL.71407	PL.71406	A	6 A (CWC)	7.31Y	121.8	0.00	3.17	0.23	0	2	0	100	0.00	0.0	2.261	0.046	0	0	0	1
PL.71595	PL.71407	A	#1/0 ACSR	7.31Y	121.8	0.00	3.17	0.23	0	2	0	100	0.00	0.0	2.266	0.005	0	0	0	1
PD.10724	PL.71595	A	65T	7.31Y	121.8	0.00	3.17	0.23	0	2	0	100	0.00	0.0	2.266	0.005	0	0	0	1
PL.71596	PD.10724	A	#1/0 ACSR	7.31Y	121.8	0.00	3.17	0.23	0	2	0	100	0.00	0.0	2.379	0.113	0	0	0	1
PL.71043	PL.71596	A	#1/0 ACSR	7.31Y	121.8	0.00	3.17	0.23	0	2	0	100	0.00	0.0	2.496	0.118	0	0	0	1
PL.71044	PL.71043	A	#1/0 ACSR	7.31Y	121.8	0.00	3.17	0.23	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	7.31Y	121.8	0.00	3.17	0.23	0	2	0	100	0.00	0.0	2.621	0.005	0	0	0	1
PD.10579	PL.70812	A	65T	7.31Y	121.8	0.00	3.17	0.23	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	7.31Y	121.8	0.00	3.17	0.23	0	2	0	100	0.00	0.0	2.677	0.056	2	0	1	1
PL.70971	PL.71407	A	6 A (CWC)	7.31Y	121.8	0.00	3.17	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	7.31Y	121.8	0.00	3.16	1.13	1	8	2	97	0.00	0.0	2.048	0.101	8	2	1	1
PL.71165	PD.10732	A	#4 ACSR	7.31Y	121.8	0.04	3.16	9.00	7	64	15	97	0.02	0.0	1.769	0.090	1	0	1	6
PL.70611	PL.71165	A	#4 ACSR	7.31Y	121.8	0.00	3.16	2.34	2	17	4	97	0.00	0.0	1.839	0.070	17	4	2	2
PL.71166	PL.71165	A	#4 ACSR	7.31Y	121.8	0.01	3.17	6.57	5	47	11	97	0.00	0.0	1.805	0.035	21	5	2	3
PL.71607	PL.71166	A	1/0 AL URD	7.31Y	121.8	0.00	3.17	3.66	2	26	6	97	0.00	0.0	1.810	0.005	0	0	0	1
PD.10733	PL.71607	A	65T	7.31Y	121.8	0.00	3.17	3.66	0	26	6	97	0.00	0.0	1.810	0.005	0	0	0	1
PL.71608	PD.10733	A	1/0 AL URD	7.31Y	121.8	0.00	3.17	3.66	2	26	6	97	0.00	0.0	1.864	0.055	26	6	1	1
PL.71593	PL.71402	B	#4 ACSR	7.31Y	121.9	0.00	3.09	18.44	14	131	32	97	0.00	0.0	1.595	0.005	0	0	0	21
PD.10722	PL.71593	B	65T	7.31Y	121.9	0.00	3.09	18.44	0	131	32	97	0.00	0.0	1.595	0.005	0	0	0	21

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Balanced Voltage Drop Report
Source: Annville

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----			
																KW	KVAR	Cons On	Cons Thru	
PL.71594	PD.10722	B	#4 ACSR	7.31Y	121.9	0.05	3.14	18.44	14	131	32	97	0.05	0.0	1.654	0.060	10	2	1	21
PL.71403	PL.71594	B	#4 ACSR	7.31Y	121.8	0.02	3.16	17.10	13	121	30	97	0.02	0.0	1.688	0.034	35	9	3	20
PL.70604	PL.71403	B	#2 ACSR	7.31Y	121.8	0.00	3.16	0.03	0	0	0	100	0.00	0.0	1.705	0.017	0	0	1	1
PL.71167	PL.71403	B	#4 ACSR	7.31Y	121.8	0.03	3.19	12.16	9	86	21	97	0.02	0.0	1.750	0.062	6	1	1	16
PL.70605	PL.71167	B	#4 ACSR	7.31Y	121.8	0.00	3.19	1.61	1	11	3	96	0.00	0.0	1.790	0.039	11	3	3	3
PL.70967	PL.71167	B	#4 ACSR	7.31Y	121.8	0.03	3.22	9.73	7	69	17	97	0.01	0.0	1.813	0.063	6	1	1	12
PL.71404	PL.70967	B	#4 ACSR	7.31Y	121.8	0.01	3.23	8.88	7	63	15	97	0.00	0.0	1.844	0.031	24	6	5	11
PL.71405	PL.71404	B	#4 ACSR	7.31Y	121.8	0.01	3.24	5.49	4	39	10	97	0.00	0.0	1.894	0.050	6	2	2	6
PL.70607	PL.71405	B	#4 ACSR	7.31Y	121.8	0.01	3.24	4.61	4	33	8	97	0.00	0.0	1.929	0.035	0	0	0	4
PL.70968	PL.70607	B	#4 ACSR	7.31Y	121.8	0.00	3.25	1.07	1	8	2	97	0.00	0.0	2.024	0.095	7	2	1	2
PL.70608	PL.70968	B	#4 ACSR	7.31Y	121.8	0.00	3.25	0.12	0	1	0	100	0.00	0.0	2.091	0.067	1	0	1	1
PL.70606	PL.70607	B	#4 ACSR	7.31Y	121.8	0.00	3.25	3.54	3	25	6	97	0.00	0.0	1.969	0.040	25	6	2	2
PL.70966	PL.70602	ABC	336 MCM AC	7.31Y	121.9	0.08	3.12	244.89	47	5150	1542	96	2.30	0.0	1.563	0.045	0	0	0	924
PL.70616	PL.70966	ABC	336 MCM AC	7.31Y	121.8	0.12	3.24	244.89	47	5148	1537	96	3.29	0.1	1.628	0.065	26	6	5	924
PL.71493	PL.70616	A	#4 ACSR	7.31Y	121.8	0.00	3.24	3.90	3	28	7	97	0.00	0.0	1.632	0.004	0	0	0	6
PD.10669	PL.71493	A	65T	7.31Y	121.8	0.00	3.24	3.90	0	28	7	97	0.00	0.0	1.632	0.004	0	0	0	6
PL.71494	PD.10669	A	#4 ACSR	7.30Y	121.7	0.01	3.25	3.90	3	28	7	97	0.00	0.0	1.684	0.052	12	3	3	6
PL.71029	PL.71494	A	#4 ACSR	7.30Y	121.7	0.00	3.25	0.79	1	6	1	99	0.00	0.0	1.744	0.060	6	1	2	2
PL.70621	PL.71494	A	#4 ACSR	7.30Y	121.7	0.00	3.25	1.41	1	10	2	98	0.00	0.0	1.730	0.046	10	2	1	1
PL.70972	PL.70616	ABC	336 MCM AC	7.30Y	121.7	0.06	3.30	242.37	47	5091	1516	96	1.57	0.0	1.660	0.032	17	4	2	913
PL.71249	PL.70972	ABC	336 MCM AC	7.30Y	121.7	0.04	3.34	235.16	45	4936	1474	96	0.98	0.0	1.681	0.021	0	0	1	885
PL.71250	PL.71249	ABC	336 MCM AC	7.30Y	121.6	0.05	3.39	235.16	45	4935	1472	96	1.37	0.0	1.711	0.029	0	0	0	884
PL.70974	PL.71250	ABC	336 MCM AC	7.29Y	121.6	0.04	3.43	232.97	45	4887	1458	96	1.07	0.0	1.734	0.023	6	1	2	871
PL.71251	PL.70974	ABC	336 MCM AC	7.29Y	121.5	0.07	3.50	230.76	44	4839	1444	96	1.79	0.0	1.774	0.040	14	3	5	859
PL.71252	PL.71251	ABC	336 MCM AC	7.29Y	121.5	0.01	3.51	230.09	44	4823	1436	96	0.23	0.0	1.779	0.005	0	0	0	854
PL.71707	PL.71252	ABC	336 MCM AC	7.29Y	121.5	0.01	3.52	230.09	44	4823	1435	96	0.19	0.0	1.783	0.004	0	0	0	854
PL.71708	PL.71707	ABC	336 MCM AC	7.28Y	121.4	0.11	3.63	230.09	44	4822	1435	96	2.83	0.1	1.847	0.064	9	2	1	854
PL.71499	PL.71708	A	#1/0 ACSR	7.28Y	121.4	0.00	3.63	2.60	1	18	5	96	0.00	0.0	1.851	0.004	0	0	0	3
PD.10672	PL.71499	A	65T	7.28Y	121.4	0.00	3.63	2.60	0	18	5	96	0.00	0.0	1.851	0.004	0	0	0	3
PL.71500	PD.10672	A	#1/0 ACSR	7.28Y	121.4	0.00	3.63	2.60	1	18	5	96	0.00	0.0	1.886	0.035	6	1	1	3
PL.71262	PL.71500	A	#1/0 ACSR	7.28Y	121.4	0.00	3.63	1.81	1	13	3	97	0.00	0.0	1.924	0.039	13	3	2	2

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Balanced Voltage Drop Report
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Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.70975	PL.71708	ABC	336 MCM AC	7.28Y	121.3	0.10	3.73	221.82	43	4644	1385	96	2.51	0.1	1.908	0.061	6	1	2	820
PL.71615	PL.70975	A	#4 ACSR	7.28Y	121.3	0.00	3.73	3.19	2	23	6	97	0.00	0.0	1.912	0.004	0	0	0	5
PD.10737	PL.71615	A	65T	7.28Y	121.3	0.00	3.73	3.19	0	23	6	97	0.00	0.0	1.912	0.004	0	0	0	5
PL.71616	PD.10737	A	#4 ACSR	7.28Y	121.3	0.00	3.74	3.19	2	23	6	97	0.00	0.0	1.956	0.045	23	6	5	5
PL.71501	PL.70975	C	#4 ACSR	7.28Y	121.3	0.00	3.73	6.01	5	43	10	97	0.00	0.0	1.912	0.004	0	0	0	7
PD.10673	PL.71501	C	65T	7.28Y	121.3	0.00	3.73	6.01	0	43	10	97	0.00	0.0	1.912	0.004	0	0	0	7
PL.71502	PD.10673	C	#4 ACSR	7.28Y	121.3	0.02	3.75	6.01	5	43	10	97	0.00	0.0	1.976	0.065	9	2	2	7
PL.71267	PL.71502	C	#4 ACSR	7.27Y	121.2	0.00	3.75	1.12	1	8	2	97	0.00	0.0	2.014	0.038	3	1	1	2
PL.71268	PL.71267	C	#4 ACSR	7.27Y	121.2	0.00	3.75	0.70	1	5	1	98	0.00	0.0	2.033	0.019	5	1	1	1
PL.71263	PL.71502	C	#4 ACSR	7.27Y	121.2	0.00	3.75	3.64	3	26	6	97	0.00	0.0	1.999	0.023	10	3	1	3
PL.71264	PL.71263	C	#4 ACSR	7.27Y	121.2	0.00	3.75	2.16	2	15	4	97	0.00	0.0	2.019	0.019	15	4	2	2
PL.71265	PL.70975	ABC	336 MCM AC	7.27Y	121.1	0.13	3.86	218.48	42	4570	1362	96	3.11	0.1	1.985	0.077	10	2	2	806
PL.71266	PL.71265	ABC	336 MCM AC	7.27Y	121.1	0.02	3.88	218.02	42	4557	1352	96	0.53	0.0	1.998	0.013	0	0	0	804
PL.71503	PL.71266	C	#4 ACSR	7.27Y	121.1	0.00	3.88	5.34	4	38	9	97	0.00	0.0	2.002	0.004	0	0	0	10
PD.10674	PL.71503	C	65T	7.27Y	121.1	0.00	3.88	5.34	0	38	9	97	0.00	0.0	2.002	0.004	0	0	0	10
PL.71504	PD.10674	C	#4 ACSR	7.27Y	121.1	0.01	3.89	5.34	4	38	9	97	0.00	0.0	2.045	0.043	26	6	6	10
PL.71269	PL.71504	C	#4 ACSR	7.27Y	121.1	0.00	3.89	1.72	1	12	3	97	0.00	0.0	2.075	0.030	7	2	2	4
PL.70976	PL.71269	C	#4 ACSR	7.27Y	121.1	0.00	3.89	0.78	1	6	1	99	0.00	0.0	2.088	0.013	6	1	2	2
PL.70629	PL.71266	ABC	336 MCM AC	7.26Y	121.0	0.08	3.96	216.24	42	4519	1342	96	1.81	0.0	2.044	0.046	0	0	0	794
PL.70977	PL.70629	ABC	336 MCM AC	7.26Y	120.9	0.10	4.05	216.00	42	4512	1336	96	2.29	0.1	2.103	0.059	16	4	9	793
PL.71505	PL.70977	C	#2 ACSR	7.26Y	120.9	0.00	4.05	3.08	2	22	5	98	0.00	0.0	2.107	0.004	0	0	0	2
PD.10675	PL.71505	C	65T	7.26Y	120.9	0.00	4.05	3.08	0	22	5	98	0.00	0.0	2.107	0.004	0	0	0	2
PL.71506	PD.10675	C	#2 ACSR	7.26Y	120.9	0.00	4.05	3.08	2	22	5	98	0.00	0.0	2.113	0.006	22	5	2	2
PL.70978	PL.70977	ABC	336 MCM AC	7.25Y	120.8	0.13	4.18	214.21	41	4472	1322	96	3.10	0.1	2.183	0.080	0	0	0	782
PL.71618	PL.70978	A	#4 ACSR	7.25Y	120.8	0.00	4.18	0.89	1	6	2	95	0.00	0.0	2.187	0.005	0	0	0	2
PD.10568	PL.71618	A	65T	7.25Y	120.8	0.00	4.18	0.89	0	6	2	95	0.00	0.0	2.187	0.005	0	0	0	2
PL.71617	PD.10568	A	#4 ACSR	7.25Y	120.8	0.00	4.19	0.89	1	6	2	95	0.00	0.0	2.245	0.057	0	0	1	2
PL.70632	PL.71617	A	#1/0 ACSR	7.25Y	120.8	0.00	4.19	0.89	0	6	2	95	0.00	0.0	2.266	0.021	6	2	1	1
PL.70979	PL.70978	ABC	336 MCM AC	7.25Y	120.8	0.03	4.21	207.57	40	4329	1280	96	0.66	0.0	2.201	0.018	0	0	1	771
PL.71271	PL.70979	ABC	336 MCM AC	7.25Y	120.8	0.03	4.25	207.57	40	4328	1279	96	0.77	0.0	2.222	0.021	22	5	3	770
PL.71270	PL.71271	ABC	336 MCM AC	7.24Y	120.7	0.08	4.33	206.51	40	4305	1271	96	1.89	0.0	2.275	0.053	5	1	3	767

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Balanced Voltage Drop Report
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Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.71543	PL.71270	C	#1/0 ACSR	7.24Y	120.7	0.00	4.33	0.00	0	0	0	100	0.00	0.0	2.279	0.005	0	0	0	0
PD.10696	PL.71543	C	65T	7.24Y	120.7	0.00	4.33	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	7.24Y	120.7	0.00	4.33	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	7.24Y	120.6	0.07	4.40	206.29	40	4298	1266	96	1.62	0.0	2.320	0.045	5	1	3	764
PL.71318	PL.71317	ABC	336 MCM AC	7.24Y	120.6	0.02	4.41	206.06	40	4292	1261	96	0.36	0.0	2.330	0.010	0	0	0	761
PL.70828	PL.71318	ABC	#4 ACSR	7.24Y	120.6	0.00	4.41	1.03	1	21	6	96	0.00	0.0	2.335	0.005	0	0	0	4
PD.10589	PL.70828	ABC	65T	7.24Y	120.6	0.00	4.41	1.03	0	21	6	96	0.00	0.0	2.335	0.005	0	0	0	4
PL.70829	PD.10589	ABC	#4 ACSR	7.23Y	120.6	0.00	4.42	1.03	1	21	6	96	0.00	0.0	2.405	0.070	0	0	0	4
PL.71315	PL.70829	ABC	#4 ACSR	7.23Y	120.6	0.00	4.42	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	7.23Y	120.6	0.00	4.42	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	7.23Y	120.6	0.00	4.42	2.46	2	17	4	97	0.00	0.0	2.409	0.005	0	0	0	2
PD.10569	PL.71619	A	65T	7.23Y	120.6	0.00	4.42	2.46	0	17	4	97	0.00	0.0	2.409	0.005	0	0	0	2
PL.71620	PD.10569	A	#4 ACSR	7.23Y	120.6	0.00	4.42	2.46	2	17	4	97	0.00	0.0	2.445	0.036	17	4	2	2
PL.71313	PL.71318	ABC	336 MCM AC	7.23Y	120.6	0.02	4.43	205.03	40	4270	1254	96	0.35	0.0	2.340	0.010	14	3	1	757
PL.71314	PL.71313	ABC	336 MCM AC	7.23Y	120.6	0.01	4.44	204.38	39	4256	1250	96	0.21	0.0	2.346	0.006	0	0	0	756
PL.71686	PL.71314	ABC	336 MCM AC	7.23Y	120.6	0.01	4.45	204.38	39	4256	1249	96	0.16	0.0	2.351	0.005	0	0	0	756
PD.10595-A	PL.71686	ABC	Closed	7.23Y	120.6	0.00	4.45	204.38	0	4256	1249	96	0.00	0.0	2.351	0.005	0	0	0	756
PD.10595-B	PD.10595-A	ABC	Closed	7.23Y	120.6	0.00	4.45	204.38	0	4256	1249	96	0.00	0.0	2.351	0.005	0	0	0	756
PL.71687	PD.10595-B	ABC	336 MCM AC	7.23Y	120.5	0.03	4.48	204.38	39	4256	1249	96	0.73	0.0	2.371	0.021	0	0	0	756
PL.70980	PL.71687	ABC	336 MCM AC	7.22Y	120.4	0.15	4.63	190.94	37	3975	1165	96	3.18	0.1	2.475	0.103	0	0	0	733
PL.70761	PL.70980	ABC	336 MCM AC	7.22Y	120.3	0.04	4.67	57.81	11	1213	312	97	0.30	0.0	2.580	0.105	0	0	0	256
PL.70648	PL.70761	ABC	336 MCM AC	7.22Y	120.3	0.02	4.70	57.81	11	1213	311	97	0.16	0.0	2.638	0.058	0	0	0	256
PL.70762	PL.70648	ABC	#3/0 ACSR	7.22Y	120.3	0.04	4.74	57.81	19	1213	311	97	0.32	0.0	2.695	0.058	4	1	1	256
PL.71551	PL.70762	A	#4 ACSR	7.22Y	120.3	0.00	4.74	0.00	0	0	0	100	0.00	0.0	2.700	0.005	0	0	0	0
PD.10700	PL.71551	A	65T	7.22Y	120.3	0.00	4.74	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	7.22Y	120.3	0.00	4.74	0.00	0	0	0	100	0.00	0.0	2.769	0.069	0	0	0	0
PL.71621	PL.70762	C	#4 ACSR	7.22Y	120.3	0.00	4.74	9.20	7	64	16	97	0.00	0.0	2.700	0.005	0	0	0	14
PD.10571	PL.71621	C	65T	7.22Y	120.3	0.00	4.74	9.20	0	64	16	97	0.00	0.0	2.700	0.005	0	0	0	14
PL.71622	PD.10571	C	#4 ACSR	7.21Y	120.2	0.03	4.76	9.20	7	64	16	97	0.01	0.0	2.762	0.062	0	0	0	14
PL.70953	PL.71622	C	#4 ACSR	7.21Y	120.2	0.02	4.78	9.20	7	64	16	97	0.01	0.0	2.816	0.054	12	3	2	14
PL.70649	PL.70953	C	#4 ACSR	7.21Y	120.2	0.00	4.79	3.04	2	21	5	97	0.00	0.0	2.858	0.043	13	3	4	7

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Balanced Voltage Drop Report
Source: Annville

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.70650	PL.70649	C	#4 ACSR	7.21Y	120.2	0.00	4.79	1.15	1	8	2	97	0.00	0.0	2.903	0.045	0	0	1	3
PL.71038	PL.70650	C	#4/0 ACSR	7.21Y	120.2	0.00	4.79	1.15	0	8	2	97	0.00	0.0	2.933	0.030	2	0	1	2
PL.70651	PL.71038	C	#1/0 ACSR	7.21Y	120.2	0.00	4.79	0.93	0	7	2	96	0.00	0.0	2.974	0.041	7	2	1	1
PL.71170	PL.70953	C	#4 ACSR	7.21Y	120.2	0.01	4.79	2.33	2	16	4	97	0.00	0.0	2.892	0.077	11	3	2	4
PL.70652	PL.71170	C	#4 ACSR	7.21Y	120.2	0.00	4.79	0.81	1	6	1	99	0.00	0.0	2.927	0.034	6	1	1	2
PL.70653	PL.70652	C	#4 ACSR	7.21Y	120.2	0.00	4.79	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	7.21Y	120.2	0.00	4.79	2.08	2	15	4	97	0.00	0.0	2.850	0.035	15	4	1	1
PL.71013	PL.70762	ABC	#3/0 ACSR	7.21Y	120.2	0.10	4.83	54.57	18	1144	294	97	0.72	0.1	2.840	0.145	7	2	1	241
PL.71555	PL.71013	C	#4 ACSR	7.21Y	120.2	0.00	4.83	0.00	0	0	0	100	0.00	0.0	2.845	0.005	0	0	0	1
PD.10703	PL.71555	C	65T	7.21Y	120.2	0.00	4.83	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	7.21Y	120.2	0.00	4.83	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	7.21Y	120.1	0.06	4.90	54.24	18	1136	291	97	0.45	0.0	2.931	0.092	11	3	1	239
PL.71353	PL.71352	ABC	#3/0 ACSR	7.20Y	120.0	0.07	4.96	53.71	18	1125	287	97	0.50	0.0	3.034	0.103	0	0	0	238
PL.71364	PL.71353	ABC	#3/0 ACSR	7.20Y	120.0	0.03	5.00	39.01	13	816	211	97	0.17	0.0	3.102	0.068	12	3	3	163
PL.71365	PL.71364	ABC	#3/0 ACSR	7.20Y	120.0	0.01	5.00	38.44	13	804	208	97	0.04	0.0	3.118	0.016	12	3	3	160
PL.71366	PL.71365	ABC	#3/0 ACSR	7.20Y	120.0	0.02	5.03	25.65	9	536	142	97	0.07	0.0	3.184	0.066	27	7	3	106
PL.71367	PL.71366	ABC	#3/0 ACSR	7.20Y	120.0	0.02	5.05	24.36	8	508	135	97	0.07	0.0	3.251	0.066	0	0	0	103
PL.71024	PL.71367	ABC	#3/0 ACSR	7.20Y	119.9	0.01	5.06	23.66	8	494	131	97	0.03	0.0	3.284	0.034	0	0	0	98
PL.70881	PL.71024	ABC	#3/0 ACSR	7.20Y	119.9	0.01	5.07	23.66	8	494	131	97	0.05	0.0	3.333	0.049	0	0	0	98
PL.71561	PL.70881	C	#4 ACSR	7.20Y	119.9	0.00	5.07	4.01	3	28	7	97	0.00	0.0	3.338	0.005	0	0	0	5
PD.10706	PL.71561	C	65T	7.20Y	119.9	0.00	5.07	4.01	0	28	7	97	0.00	0.0	3.338	0.005	0	0	0	5
PL.71562	PD.10706	C	#4 ACSR	7.20Y	119.9	0.01	5.08	4.01	3	28	7	97	0.00	0.0	3.373	0.035	10	3	1	5
PL.71368	PL.71562	C	#4 ACSR	7.20Y	119.9	0.00	5.08	2.52	2	18	4	98	0.00	0.0	3.402	0.029	7	2	1	4
PL.71369	PL.71368	C	#4 ACSR	7.19Y	119.9	0.01	5.09	1.47	1	10	3	96	0.00	0.0	3.516	0.115	0	0	0	3
PL.70884	PL.71369	C	6 A (CWC)	7.19Y	119.9	0.00	5.09	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)	7.19Y	119.9	0.00	5.09	1.47	1	10	3	96	0.00	0.0	3.541	0.024	0	0	1	3
PL.71348	PL.71347	C	6 A (CWC)	7.19Y	119.9	0.00	5.09	1.41	1	10	2	98	0.00	0.0	3.626	0.085	7	2	1	2
PL.70886	PL.71348	C	#1/0 ACSR	7.19Y	119.9	0.00	5.09	0.35	0	2	1	89	0.00	0.0	3.688	0.062	2	1	1	1
PL.70883	PL.70881	ABC	#3/0 ACSR	7.19Y	119.9	0.03	5.10	22.33	7	466	124	97	0.10	0.0	3.458	0.125	33	8	2	93
PL.71182	PL.70883	ABC	#3/0 ACSR	7.19Y	119.9	0.01	5.12	20.77	7	433	116	97	0.04	0.0	3.508	0.049	3	1	2	91
PL.71183	PL.71182	ABC	#3/0 ACSR	7.19Y	119.9	0.02	5.13	20.50	7	427	115	97	0.05	0.0	3.573	0.066	14	3	4	87

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Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.71565	PL.71183	A	#1/0 ACSR	7.19Y	119.9	0.00	5.13	2.03	1	14	3	98	0.00	0.0	3.578	0.005	0	0	0	3
PD.10708	PL.71565	A	65T	7.19Y	119.9	0.00	5.13	2.03	0	14	3	98	0.00	0.0	3.578	0.005	0	0	0	3
PL.71566	PD.10708	A	#1/0 ACSR	7.19Y	119.9	0.00	5.14	2.03	1	14	3	98	0.00	0.0	3.702	0.125	8	2	2	3
PL.71371	PL.71566	A	#1/0 ACSR	7.19Y	119.9	0.00	5.14	0.84	0	6	1	99	0.00	0.0	3.744	0.042	6	1	1	1
PL.71176	PL.71183	B	#4 ACSR	7.19Y	119.9	0.00	5.13	1.87	1	13	3	97	0.00	0.0	3.578	0.005	0	0	0	3
PD.10584	PL.71176	B	65T	7.19Y	119.9	0.00	5.13	1.87	0	13	3	97	0.00	0.0	3.578	0.005	0	0	0	3
PL.70890	PD.10584	B	#4 ACSR	7.19Y	119.9	0.00	5.13	1.04	1	7	2	96	0.00	0.0	3.593	0.016	7	2	2	2
PL.71177	PD.10584	B	#4 ACSR	7.19Y	119.9	0.00	5.13	0.83	1	6	1	99	0.00	0.0	3.615	0.037	6	1	1	1
PL.71370	PL.71183	ABC	#3/0 ACSR	7.19Y	119.9	0.01	5.15	18.55	6	386	105	96	0.03	0.0	3.625	0.052	8	2	1	77
PL.71372	PL.71370	ABC	#3/0 ACSR	7.19Y	119.8	0.03	5.18	18.17	6	378	103	96	0.07	0.0	3.759	0.134	9	2	2	76
PL.71373	PL.71372	ABC	#3/0 ACSR	7.19Y	119.8	0.02	5.19	17.74	6	369	100	97	0.04	0.0	3.827	0.069	0	0	0	74
PL.71374	PL.71373	ABC	#3/0 ACSR	7.19Y	119.8	0.02	5.21	17.74	6	369	100	97	0.04	0.0	3.908	0.080	0	0	0	74
PL.71569	PL.71374	C	#4 ACSR	7.19Y	119.8	0.00	5.21	1.18	1	8	2	97	0.00	0.0	3.913	0.005	0	0	0	1
PD.10710	PL.71569	C	65T	7.19Y	119.8	0.00	5.21	1.18	0	8	2	97	0.00	0.0	3.913	0.005	0	0	0	1
PL.71570	PD.10710	C	#4 ACSR	7.19Y	119.8	0.00	5.21	1.18	1	8	2	97	0.00	0.0	3.985	0.073	8	2	1	1
PL.71025	PL.71374	ABC	#3/0 ACSR	7.19Y	119.8	0.02	5.23	17.35	6	361	98	97	0.04	0.0	3.995	0.087	10	2	2	73
PL.71026	PL.71025	ABC	#3/0 ACSR	7.19Y	119.8	0.01	5.24	16.13	5	335	92	96	0.03	0.0	4.055	0.060	8	2	1	70
PL.71027	PL.71026	ABC	#3/0 ACSR	7.18Y	119.7	0.02	5.26	15.31	5	318	88	96	0.05	0.0	4.172	0.116	5	1	3	68
PL.71575	PL.71027	A	#4 ACSR	7.18Y	119.7	0.00	5.26	3.15	2	22	5	98	0.00	0.0	4.176	0.005	0	0	0	2
PD.10713	PL.71575	A	65T	7.18Y	119.7	0.00	5.26	3.15	0	22	5	98	0.00	0.0	4.176	0.005	0	0	0	2
PL.71576	PD.10713	A	#4 ACSR	7.18Y	119.7	0.01	5.27	3.15	2	22	5	98	0.00	0.0	4.284	0.108	8	2	1	2
PL.71184	PL.71576	A	#4 ACSR	7.18Y	119.7	0.00	5.27	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	7.18Y	119.7	0.00	5.28	2.05	1	14	4	96	0.00	0.0	4.355	0.071	14	4	1	1
PL.70892	PL.71027	ABC	#3/0 ACSR	7.18Y	119.7	0.03	5.29	14.00	5	291	81	96	0.05	0.0	4.320	0.149	11	3	3	63
PL.71388	PL.70892	ABC	#3/0 ACSR	7.18Y	119.7	0.00	5.29	3.89	1	79	29	94	0.00	0.0	4.358	0.037	9	2	5	19
PL.71392	PL.71388	ABC	#3/0 ACSR	7.18Y	119.7	0.00	5.29	3.47	1	70	27	93	0.00	0.0	4.382	0.024	0	0	0	14
PL.71435	PL.71392	ABC	#3/0 ACSR	7.18Y	119.7	0.00	5.29	3.47	1	70	27	93	0.00	0.0	4.440	0.058	40	19	1	14
PL.71436	PL.71435	ABC	#3/0 ACSR	7.18Y	119.7	0.00	5.29	1.44	0	30	7	97	0.00	0.0	4.446	0.007	4	1	2	13
PL.71390	PL.71436	ABC	#3/0 ACSR	7.18Y	119.7	0.00	5.29	1.24	0	26	6	97	0.00	0.0	4.471	0.024	0	0	0	11
PL.71437	PL.71390	ABC	#3/0 ACSR	7.18Y	119.7	0.00	5.29	1.24	0	26	6	97	0.00	0.0	4.526	0.056	0	0	1	10
PL.71438	PL.71437	ABC	#3/0 ACSR	7.18Y	119.7	0.00	5.30	1.24	0	26	6	97	0.00	0.0	4.648	0.121	0	0	0	9

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Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.71049	PL.71438	ABC	#3/0 ACSR	7.18Y	119.7	0.00	5.30	1.24	0	26	6	97	0.00	0.0	4.719	0.071	1	0	1	9
PL.71394	PL.71049	ABC	#3/0 ACSR	7.18Y	119.7	0.00	5.30	0.09	0	2	0	100	0.00	0.0	4.775	0.056	0	0	2	3
PL.71395	PL.71394	ABC	#3/0 ACSR	7.18Y	119.7	0.00	5.30	0.09	0	2	0	100	0.00	0.0	4.822	0.048	2	0	1	1
PL.71697	PL.71395	ABC	#3/0 ACSR	7.18Y	119.7	0.00	5.30	0.00	0	0	0	100	0.00	0.0	4.825	0.003	0	0	0	0
PD.10601	PL.71697	ABC	360VWE	7.18Y	119.7	0.00	5.30	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	7.18Y	119.7	0.00	5.30	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	7.18Y	119.7	0.00	5.30	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	7.18Y	119.7	0.00	5.30	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	7.18Y	119.7	0.00	5.30	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	7.18Y	119.7	0.00	5.30	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	7.18Y	119.7	0.00	5.30	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	7.18Y	119.7	0.00	5.30	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	7.18Y	119.7	0.00	5.30	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	7.18Y	119.7	0.00	5.30	3.25	2	23	6	97	0.00	0.0	4.723	0.005	0	0	0	5
PD.10715	PL.71579	C	65T	7.18Y	119.7	0.00	5.30	3.25	0	23	6	97	0.00	0.0	4.723	0.005	0	0	0	5
PL.71580	PD.10715	C	#4 ACSR	7.18Y	119.7	0.00	5.30	3.25	2	23	6	97	0.00	0.0	4.739	0.016	8	2	2	5
PL.71393	PL.71580	C	#4 ACSR	7.18Y	119.7	0.00	5.30	2.15	2	15	4	97	0.00	0.0	4.791	0.052	15	4	3	3
PL.71577	PL.71390	A	#4 ACSR	7.18Y	119.7	0.00	5.29	0.00	0	0	0	100	0.00	0.0	4.475	0.005	0	0	0	1
PD.10714	PL.71577	A	50T	7.18Y	119.7	0.00	5.29	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	7.18Y	119.7	0.00	5.29	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	7.18Y	119.7	0.00	5.29	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)	7.18Y	119.7	0.00	5.29	28.83	21	201	50	97	0.01	0.0	4.323	0.003	0	0	0	41
C PD.10603	PL.71701	C	35L	7.18Y	119.7	0.00	5.29	28.83	82	201	50	97	0.00	0.0	4.323	0.003	0	0	0	41
PL.71702	PD.10603	C	6 A (CWC)	7.18Y	119.6	0.08	5.37	28.83	21	201	50	97	0.12	0.1	4.386	0.063	8	2	2	41
PL.71389	PL.71702	C	6 A (CWC)	7.17Y	119.5	0.08	5.45	27.63	20	193	47	97	0.11	0.1	4.451	0.064	9	2	1	39
PL.71386	PL.71389	C	6 A (CWC)	7.17Y	119.5	0.04	5.50	26.31	19	183	45	97	0.06	0.0	4.489	0.038	6	2	1	38
PL.71387	PL.71386	C	6 A (CWC)	7.16Y	119.4	0.10	5.60	25.39	18	177	43	97	0.14	0.1	4.577	0.089	6	1	1	37
PL.70894	PL.71387	C	#1/0 ACSR	7.16Y	119.4	0.00	5.60	2.10	1	15	4	97	0.00	0.0	4.629	0.051	15	4	2	2
PL.70893	PL.71387	C	6 A (CWC)	7.16Y	119.4	0.01	5.61	1.96	1	14	3	98	0.00	0.0	4.719	0.141	0	0	1	3
PL.70895	PL.70893	C	#2 ACSR	7.16Y	119.4	0.00	5.61	1.96	1	14	3	98	0.00	0.0	4.766	0.048	14	3	2	2
PL.71028	PL.71387	C	6 A (CWC)	7.16Y	119.3	0.15	5.74	20.46	15	142	35	97	0.16	0.1	4.740	0.163	10	2	2	31

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.70896	PL.71028	C	#2 ACSR	7.16Y	119.3	0.00	5.74	2.81	2	20	5	97	0.00	0.0	4.794	0.053	20	5	3	3
PL.70897	PL.71028	C	6 A (CWC)	7.15Y	119.2	0.06	5.80	16.18	12	112	28	97	0.05	0.0	4.827	0.086	0	0	0	26
PL.71383	PL.70897	C	6 A (CWC)	7.15Y	119.1	0.10	5.91	16.18	12	112	28	97	0.09	0.1	4.966	0.140	3	1	1	26
PL.71384	PL.71383	C	6 A (CWC)	7.14Y	119.1	0.02	5.93	15.78	11	110	27	97	0.02	0.0	4.994	0.028	0	0	0	25
PL.71163	PL.71384	C	6 A (CWC)	7.14Y	119.0	0.03	5.96	12.92	9	90	22	97	0.02	0.0	5.049	0.055	16	4	3	21
PL.70900	PL.71163	C	#2 ACSR	7.14Y	119.0	0.00	5.96	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)	7.14Y	119.0	0.04	5.99	8.27	6	57	14	97	0.02	0.0	5.152	0.103	0	0	1	12
PL.71382	PL.71381	C	6 A (CWC)	7.14Y	119.0	0.05	6.04	8.23	6	57	14	97	0.02	0.0	5.289	0.137	0	0	0	11
PL.71047	PL.71382	C	6 A (CWC)	7.13Y	118.9	0.07	6.11	8.23	6	57	14	97	0.03	0.1	5.467	0.178	0	0	0	11
PL.71048	PL.71047	C	6 A (CWC)	7.13Y	118.8	0.04	6.15	8.23	6	57	14	97	0.02	0.0	5.572	0.105	0	0	0	11
PL.70906	PL.71048	C	#4 ACSR	7.13Y	118.8	0.06	6.21	8.23	6	57	14	97	0.03	0.0	5.752	0.180	9	2	1	11
PL.70909	PL.70906	C	#4 ACSR	7.13Y	118.8	0.00	6.21	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	7.13Y	118.8	0.00	6.21	2.11	1	15	4	97	0.00	0.0	5.778	0.027	15	4	1	1
PL.70910	PL.70906	C	#4 ACSR	7.13Y	118.8	0.01	6.22	4.50	3	31	8	97	0.00	0.0	5.817	0.066	0	0	0	8
PL.70911	PL.70910	C	#4 ACSR	7.13Y	118.8	0.00	6.23	0.98	1	7	2	96	0.00	0.0	5.875	0.058	7	2	2	2
PL.71379	PL.70910	C	#1/0 ACSR	7.13Y	118.8	0.00	6.23	3.52	2	24	6	97	0.00	0.0	5.852	0.035	5	1	1	6
PL.71380	PL.71379	C	#1/0 ACSR	7.13Y	118.8	0.00	6.23	2.77	1	19	5	97	0.00	0.0	5.900	0.048	19	5	5	5
PL.70908	PL.70906	C	#4 ACSR	7.13Y	118.8	0.00	6.21	0.33	0	2	1	89	0.00	0.0	5.814	0.062	2	1	1	1
PL.70901	PL.71163	C	#4 ACSR	7.14Y	119.0	0.01	5.96	2.39	2	17	4	97	0.00	0.0	5.102	0.053	0	0	0	6
PL.70903	PL.70901	C	#4 ACSR	7.14Y	119.0	0.00	5.97	2.39	2	17	4	97	0.00	0.0	5.147	0.045	3	1	1	6
PL.70905	PL.70903	C	#1/0 ACSR	7.14Y	119.0	0.01	5.97	1.90	1	13	3	97	0.00	0.0	5.272	0.126	0	0	0	2
PL.71385	PL.70905	C	#1/0 ACSR	7.14Y	119.0	0.00	5.97	1.90	1	13	3	97	0.00	0.0	5.388	0.116	13	3	1	2
PL.71567	PL.71385	C	#1/0 ACSR	7.14Y	119.0	0.00	5.97	0.00	0	0	0	100	0.00	0.0	5.393	0.005	0	0	0	1
PD.10709	PL.71567	C	15T	7.14Y	119.0	0.00	5.97	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	7.14Y	119.0	0.00	5.97	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	7.14Y	119.0	0.00	5.97	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	7.14Y	119.0	0.00	5.96	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	7.14Y	119.1	0.00	5.93	1.35	1	9	2	98	0.00	0.0	5.011	0.017	9	2	1	1
PL.70899	PL.71384	C	#4 ACSR	7.14Y	119.1	0.00	5.93	1.51	1	10	3	96	0.00	0.0	5.045	0.051	10	3	3	3
PL.71573	PL.71026	A	#4 ACSR	7.19Y	119.8	0.00	5.24	1.32	1	9	2	98	0.00	0.0	4.060	0.005	0	0	0	1
PD.10712	PL.71573	A	65T	7.19Y	119.8	0.00	5.24	1.32	0	9	2	98	0.00	0.0	4.060	0.005	0	0	0	1

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Balanced Voltage Drop Report
Source: Annville

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data rows for various power lines and transformers.

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Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.71021	PL.70880	B	6 A (CWC)	7.17Y	119.4	0.02	5.55	4.80	3	33	8	97	0.01	0.0	3.688	0.102	0	0	1	8
PL.70945	PL.71021	B	#1/0 ACSR	7.17Y	119.4	0.00	5.55	0.68	0	5	1	98	0.00	0.0	3.742	0.053	5	1	1	1
PL.70946	PL.71021	B	6 A (CWC)	7.17Y	119.4	0.02	5.58	4.10	3	29	7	97	0.00	0.0	3.818	0.129	2	0	1	6
PL.70947	PL.70946	B	#4 ACSR	7.17Y	119.4	0.00	5.58	1.34	1	9	2	98	0.00	0.0	3.864	0.046	0	0	2	3
PL.70948	PL.70947	B	#1/0 ACSR	7.17Y	119.4	0.00	5.58	1.30	1	9	2	98	0.00	0.0	3.933	0.069	9	2	1	1
PL.70950	PL.70946	B	6 A (CWC)	7.16Y	119.4	0.01	5.59	2.47	2	17	4	97	0.00	0.0	3.935	0.117	0	0	0	2
PL.71375	PL.70950	B	6 A (CWC)	7.16Y	119.4	0.00	5.59	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)	7.16Y	119.4	0.00	5.59	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	7.16Y	119.4	0.00	5.59	1.07	1	7	2	96	0.00	0.0	3.961	0.025	7	2	1	1
PL.70951	PL.70950	B	#1/0 ACSR	7.16Y	119.4	0.00	5.59	1.40	1	10	2	98	0.00	0.0	3.982	0.046	10	2	1	1
PL.70879	PL.71020	B	6 A (CWC)	7.17Y	119.5	0.06	5.52	16.85	12	117	29	97	0.05	0.0	3.512	0.075	0	0	0	22
PL.70938	PL.70879	B	#1/0 ACSR	7.17Y	119.5	0.00	5.52	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	7.17Y	119.5	0.00	5.52	1.48	1	10	3	96	0.00	0.0	3.555	0.043	10	3	1	1
PL.71022	PL.70879	B	6 A (CWC)	7.16Y	119.4	0.07	5.59	15.37	11	107	26	97	0.05	0.1	3.613	0.101	9	2	1	19
PL.71429	PL.71022	B	#4 ACSR	7.16Y	119.4	0.03	5.62	9.87	8	69	17	97	0.02	0.0	3.687	0.074	6	2	1	13
PL.71430	PL.71429	B	#4 ACSR	7.16Y	119.3	0.06	5.68	8.96	7	62	15	97	0.03	0.0	3.832	0.145	0	0	0	12
PL.70941	PL.71430	B	#4 ACSR	7.16Y	119.3	0.02	5.70	8.96	7	62	15	97	0.01	0.0	3.895	0.063	0	0	0	12
PL.71354	PL.70941	B	#4 ACSR	7.16Y	119.3	0.02	5.72	6.63	5	46	11	97	0.00	0.0	3.959	0.064	17	4	4	9
PL.71355	PL.71354	B	#4 ACSR	7.16Y	119.3	0.00	5.72	4.12	3	29	7	97	0.00	0.0	3.986	0.027	0	0	0	5
PL.70943	PL.71355	B	#4 ACSR	7.16Y	119.3	0.00	5.72	1.38	1	10	2	98	0.00	0.0	4.024	0.038	0	0	0	2
PL.71023	PL.70943	B	#4 ACSR	7.16Y	119.3	0.00	5.73	1.38	1	10	2	98	0.00	0.0	4.075	0.051	0	0	0	2
PL.71362	PL.71023	B	#4 ACSR	7.16Y	119.3	0.00	5.73	1.38	1	10	2	98	0.00	0.0	4.117	0.042	3	1	1	2
PL.71363	PL.71362	B	#4 ACSR	7.16Y	119.3	0.00	5.73	0.97	1	7	2	96	0.00	0.0	4.246	0.129	7	2	1	1
PL.71360	PL.71355	B	#4 ACSR	7.16Y	119.3	0.01	5.73	2.74	2	19	5	97	0.00	0.0	4.066	0.081	11	3	2	3
PL.71361	PL.71360	B	#4 ACSR	7.16Y	119.3	0.00	5.73	1.13	1	8	2	97	0.00	0.0	4.100	0.034	8	2	1	1
PL.70942	PL.70941	B	#4 ACSR	7.16Y	119.3	0.00	5.70	2.33	2	16	4	97	0.00	0.0	3.915	0.021	16	4	3	3
PL.71356	PL.71022	B	6 A (CWC)	7.16Y	119.4	0.01	5.60	4.14	3	29	7	97	0.00	0.0	3.691	0.078	0	0	0	5
PL.71357	PL.71356	B	6 A (CWC)	7.16Y	119.4	0.02	5.62	4.14	3	29	7	97	0.00	0.0	3.793	0.102	0	0	0	5
PL.71358	PL.71357	B	6 A (CWC)	7.16Y	119.4	0.01	5.64	4.14	3	29	7	97	0.00	0.0	3.901	0.108	15	4	4	5
PL.71359	PL.71358	B	6 A (CWC)	7.16Y	119.4	0.01	5.65	1.95	1	14	3	98	0.00	0.0	4.006	0.105	0	0	0	1
PL.70940	PL.71359	B	#1/0 ACSR	7.16Y	119.4	0.00	5.65	1.95	1	14	3	98	0.00	0.0	4.047	0.041	14	3	1	1

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Balanced Voltage Drop Report
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Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.71377	PL.71020	B	6 A (CWC)	7.17Y	119.5	0.00	5.47	1.38	1	10	2	98	0.00	0.0	3.498	0.061	9	2	1	2
PL.71378	PL.71377	B	6 A (CWC)	7.17Y	119.5	0.00	5.47	0.13	0	1	0	100	0.00	0.0	3.655	0.158	1	0	1	1
PL.71705	PL.71353	ABC	#1/0 ACSR	7.20Y	120.0	0.01	4.97	14.70	6	308	76	97	0.02	0.0	3.065	0.031	0	0	0	75
PD.10605	PL.71705	ABC	35L	7.20Y	120.0	0.00	4.97	14.70	42	308	76	97	0.00	0.0	3.065	0.031	0	0	0	75
PL.71706	PD.10605	ABC	#1/0 ACSR	7.20Y	120.0	0.01	4.98	14.70	6	308	76	97	0.01	0.0	3.085	0.020	0	0	2	75
PL.71557	PL.71706	A	6 A (CWC)	7.20Y	120.0	0.00	4.98	4.05	3	28	7	97	0.00	0.0	3.090	0.005	0	0	0	14
PD.10704	PL.71557	A	15T	7.20Y	120.0	0.00	4.98	4.05	0	28	7	97	0.00	0.0	3.090	0.005	0	0	0	14
PL.71558	PD.10704	A	6 A (CWC)	7.20Y	120.0	0.01	4.99	4.05	3	28	7	97	0.00	0.0	3.145	0.056	5	1	5	14
PL.70780	PL.71558	A	#4 ACSR	7.20Y	120.0	0.00	4.99	3.27	3	23	6	97	0.00	0.0	3.190	0.044	23	6	9	9
PL.71014	PL.71706	ABC	#1/0 ACSR	7.20Y	120.0	0.01	4.99	13.35	6	280	69	97	0.03	0.0	3.146	0.061	0	0	0	59
PL.71174	PL.71014	A	#4 ACSR	7.20Y	120.0	0.00	4.99	1.87	1	13	3	97	0.00	0.0	3.150	0.005	0	0	0	1
PD.10701	PL.71174	A	15T	7.20Y	120.0	0.00	4.99	1.87	0	13	3	97	0.00	0.0	3.150	0.005	0	0	0	1
PL.70763	PD.10701	A	#4 ACSR	7.20Y	120.0	0.00	4.99	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	7.20Y	120.0	0.00	4.99	1.87	1	13	3	97	0.00	0.0	3.186	0.036	13	3	1	1
PL.71015	PL.71014	ABC	#1/0 ACSR	7.20Y	120.0	0.01	5.00	12.72	6	267	66	97	0.02	0.0	3.191	0.045	9	2	2	58
PL.71553	PL.71015	A	6 A (CWC)	7.20Y	120.0	0.00	5.00	3.64	3	25	6	97	0.00	0.0	3.196	0.005	0	0	0	7
PD.10702	PL.71553	A	15T	7.20Y	120.0	0.00	5.00	3.64	0	25	6	97	0.00	0.0	3.196	0.005	0	0	0	7
PL.71554	PD.10702	A	6 A (CWC)	7.20Y	120.0	0.01	5.01	3.64	3	25	6	97	0.00	0.0	3.238	0.042	9	2	2	7
PL.70888	PL.71554	A	6 A (CWC)	7.20Y	120.0	0.01	5.01	2.28	2	16	4	97	0.00	0.0	3.294	0.056	0	0	1	5
PL.71016	PL.70888	A	6 A (CWC)	7.20Y	120.0	0.00	5.02	0.71	1	5	1	98	0.00	0.0	3.334	0.040	5	1	2	2
PL.70887	PL.70888	A	#1/0 ACSR	7.20Y	120.0	0.00	5.02	1.57	1	11	3	96	0.00	0.0	3.335	0.041	11	3	2	2
PL.71345	PL.71015	ABC	#1/0 ACSR	7.20Y	120.0	0.01	5.02	11.06	5	232	57	97	0.02	0.0	3.266	0.075	4	1	1	49
PL.71346	PL.71345	ABC	#1/0 ACSR	7.20Y	120.0	0.01	5.03	10.87	5	228	56	97	0.02	0.0	3.327	0.061	0	0	1	48
PL.71344	PL.71346	ABC	#1/0 ACSR	7.20Y	119.9	0.04	5.06	10.84	5	227	56	97	0.06	0.0	3.514	0.187	4	1	1	47
PL.70764	PL.71344	B	#4 ACSR	7.20Y	119.9	0.01	5.08	7.03	5	49	12	97	0.01	0.0	3.559	0.046	3	1	1	10
PL.70766	PL.70764	B	#4 ACSR	7.20Y	119.9	0.00	5.08	0.31	0	2	1	89	0.00	0.0	3.609	0.050	2	1	1	1
PL.70767	PL.70764	B	#4 ACSR	7.19Y	119.9	0.03	5.10	6.28	5	44	11	97	0.01	0.0	3.662	0.102	6	2	1	8
PL.70769	PL.70767	B	#4 ACSR	7.19Y	119.9	0.01	5.12	4.23	3	30	7	97	0.00	0.0	3.726	0.064	6	2	2	6
PL.70770	PL.70769	B	#4 ACSR	7.19Y	119.9	0.01	5.12	3.33	3	23	6	97	0.00	0.0	3.767	0.041	2	1	1	4
PL.71327	PL.70770	B	#4 ACSR	7.19Y	119.9	0.01	5.13	3.00	2	21	5	97	0.00	0.0	3.844	0.077	10	3	1	3
PL.71328	PL.71327	B	#4 ACSR	7.19Y	119.9	0.01	5.14	1.52	1	11	3	96	0.00	0.0	3.961	0.117	0	0	1	2

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Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.70771	PL.71328	B	#4 ACSR	7.19Y	119.9	0.00	5.14	1.50	1	10	3	96	0.00	0.0	3.995	0.034	10	3	1	1
PL.70768	PL.70767	B	#4 ACSR	7.19Y	119.9	0.00	5.11	1.13	1	8	2	97	0.00	0.0	3.774	0.112	8	2	1	1
PL.70765	PL.71344	C	#1/0 ACSR	7.19Y	119.9	0.04	5.10	24.99	11	175	43	97	0.05	0.0	3.582	0.068	0	0	0	36
PL.71017	PL.70765	C	#1/0 ACSR	7.19Y	119.9	0.03	5.13	19.97	9	140	34	97	0.03	0.0	3.644	0.061	9	2	1	31
PL.71342	PL.71017	C	#4 ACSR	7.19Y	119.9	0.00	5.13	2.51	2	18	4	98	0.00	0.0	3.689	0.045	7	2	1	3
PL.71343	PL.71342	C	#4 ACSR	7.19Y	119.9	0.00	5.13	1.54	1	11	3	96	0.00	0.0	3.712	0.024	11	3	2	2
PL.71331	PL.71017	C	#1/0 ACSR	7.19Y	119.8	0.02	5.15	16.24	7	113	28	97	0.02	0.0	3.703	0.059	0	0	1	27
PL.71332	PL.71331	C	#1/0 ACSR	7.19Y	119.8	0.01	5.17	16.22	7	113	28	97	0.01	0.0	3.742	0.039	4	1	1	26
PL.70772	PL.71332	C	#4 ACSR	7.19Y	119.8	0.00	5.17	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	7.19Y	119.8	0.01	5.18	15.65	7	109	27	97	0.01	0.0	3.775	0.033	9	2	2	25
PL.71338	PL.71337	C	#1/0 ACSR	7.19Y	119.8	0.01	5.19	14.38	6	100	25	97	0.01	0.0	3.820	0.045	25	6	4	23
PL.70773	PL.71338	C	#1/0 ACSR	7.19Y	119.8	0.00	5.19	1.44	1	10	2	98	0.00	0.0	3.879	0.058	10	2	3	3
PL.71335	PL.71338	C	#1/0 ACSR	7.19Y	119.8	0.01	5.20	9.38	4	65	16	97	0.00	0.0	3.872	0.052	3	1	1	16
PL.71336	PL.71335	C	#1/0 ACSR	7.19Y	119.8	0.02	5.22	8.90	4	62	15	97	0.01	0.0	3.960	0.088	0	0	0	15
PL.71333	PL.71336	C	#1/0 ACSR	7.19Y	119.8	0.00	5.22	3.54	2	25	6	97	0.00	0.0	3.975	0.015	5	1	1	4
PL.71334	PL.71333	C	#1/0 ACSR	7.19Y	119.8	0.00	5.22	2.84	1	20	5	97	0.00	0.0	4.004	0.029	20	5	3	3
PL.71158	PL.71336	C	#1/0 ACSR	7.19Y	119.8	0.02	5.23	5.37	2	37	9	97	0.00	0.0	4.089	0.129	0	0	0	11
PL.71159	PL.71158	C	#1/0 ACSR	7.19Y	119.8	0.01	5.24	3.47	2	24	6	97	0.00	0.0	4.221	0.132	0	0	0	7
PL.71046	PL.71159	C	#1/0 ACSR	7.18Y	119.7	0.01	5.25	3.47	2	24	6	97	0.00	0.0	4.292	0.071	0	0	0	7
PL.70775	PL.71046	C	#1/0 ACSR	7.18Y	119.7	0.01	5.26	3.47	2	24	6	97	0.00	0.0	4.376	0.084	1	0	2	7
PL.70778	PL.70775	C	#4 ACSR	7.18Y	119.7	0.01	5.27	1.59	1	11	3	96	0.00	0.0	4.545	0.170	0	0	1	3
PL.70779	PL.70778	C	6 A (CWC)	7.18Y	119.7	0.00	5.27	1.59	1	11	3	96	0.00	0.0	4.595	0.049	11	3	2	2
PL.70776	PL.70775	C	#4 ACSR	7.18Y	119.7	0.00	5.26	0.83	1	6	1	99	0.00	0.0	4.423	0.047	6	1	1	1
PL.70777	PL.70775	C	#4 ACSR	7.18Y	119.7	0.00	5.26	0.96	1	7	2	96	0.00	0.0	4.477	0.101	0	0	0	1
PL.71018	PL.70777	C	#4 ACSR	7.18Y	119.7	0.00	5.26	0.96	1	7	2	96	0.00	0.0	4.503	0.027	7	2	1	1
PL.71329	PL.71158	C	#2 ACSR	7.19Y	119.8	0.00	5.24	1.89	1	13	3	97	0.00	0.0	4.183	0.094	7	2	1	2
PL.71330	PL.71329	C	#2 ACSR	7.19Y	119.8	0.00	5.24	0.83	0	6	1	99	0.00	0.0	4.265	0.082	6	1	1	1
PL.70774	PL.71158	C	#2 ACSR	7.19Y	119.8	0.00	5.23	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	7.19Y	119.9	0.02	5.12	5.02	4	35	9	97	0.00	0.0	3.667	0.085	10	3	1	5
PL.71341	PL.71339	C	#4 ACSR	7.19Y	119.9	0.01	5.13	3.53	3	25	6	97	0.00	0.0	3.743	0.076	5	1	1	4
PL.71340	PL.71341	C	#4 ACSR	7.19Y	119.9	0.00	5.13	2.83	2	20	5	97	0.00	0.0	3.776	0.032	20	5	3	3

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Balanced Voltage Drop Report
Source: Annville

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.70654	PL.70980	ABC	#1/0 ACSR	7.21Y	120.1	0.23	4.86	133.17	58	2759	845	96	4.44	0.2	2.569	0.094	0	0	0	477
PL.71695	PL.70654	ABC	#1/0 ACSR	7.21Y	120.1	0.01	4.86	133.17	58	2754	841	96	0.13	0.0	2.572	0.003	0	0	0	477
PD.10600	PL.71695	ABC	240VWE	7.21Y	120.1	0.00	4.86	133.17	0	2754	841	96	0.00	0.0	2.572	0.003	0	0	0	477
PL.71696	PD.10600	ABC	#1/0 ACSR	7.20Y	120.1	0.06	4.92	133.17	58	2754	841	96	1.10	0.0	2.595	0.023	22	5	3	477
PL.70655	PL.71696	ABC	#1/0 ACSR	7.20Y	120.0	0.07	4.99	132.13	57	2731	835	96	1.29	0.0	2.623	0.028	6	2	1	474
PL.71545	PL.70655	A	#2 ACSR	7.20Y	120.0	0.00	4.99	4.13	2	29	7	97	0.00	0.0	2.627	0.005	0	0	0	2
PD.10697	PL.71545	A	30T	7.20Y	120.0	0.00	4.99	4.13	0	29	7	97	0.00	0.0	2.627	0.005	0	0	0	2
PL.71546	PD.10697	A	#2 ACSR	7.20Y	120.0	0.00	4.99	4.13	2	29	7	97	0.00	0.0	2.664	0.037	29	7	2	2
PL.70656	PL.70655	ABC	#1/0 ACSR	7.20Y	119.9	0.10	5.08	130.46	57	2695	825	96	1.81	0.1	2.663	0.040	6	2	1	471
PL.71320	PL.70656	ABC	#1/0 ACSR	7.19Y	119.8	0.08	5.17	130.15	57	2687	822	96	1.57	0.1	2.698	0.035	17	4	2	470
PL.71321	PL.71320	ABC	#1/0 ACSR	7.19Y	119.8	0.08	5.24	129.34	56	2668	816	96	1.47	0.1	2.731	0.033	16	4	1	468
PL.71322	PL.71321	ABC	#1/0 ACSR	7.17Y	119.6	0.20	5.44	128.59	56	2651	811	96	3.67	0.1	2.814	0.083	0	0	0	467
PL.71309	PL.71322	ABC	#1/0 ACSR	7.17Y	119.4	0.13	5.57	128.57	56	2647	807	96	2.38	0.1	2.868	0.054	22	5	4	466
PL.71310	PL.71309	ABC	#1/0 ACSR	7.16Y	119.3	0.17	5.74	127.53	55	2623	799	96	3.15	0.1	2.941	0.073	10	2	2	462
PL.71539	PL.71310	A	#1/0 ACSR	7.16Y	119.3	0.00	5.74	1.75	1	12	3	97	0.00	0.0	2.946	0.005	0	0	0	3
PD.10694	PL.71539	A	30T	7.16Y	119.3	0.00	5.74	1.75	0	12	3	97	0.00	0.0	2.946	0.005	0	0	0	3
PL.71540	PD.10694	A	#1/0 ACSR	7.16Y	119.3	0.00	5.74	1.75	1	12	3	97	0.00	0.0	2.980	0.034	12	3	1	3
PL.71311	PL.71540	A	#1/0 ACSR	7.16Y	119.3	0.00	5.74	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	7.14Y	119.0	0.24	5.98	126.47	55	2597	791	96	4.42	0.2	3.045	0.104	0	0	0	457
PL.70982	PL.70657	ABC	#1/0 ACSR	7.13Y	118.8	0.21	6.19	125.89	55	2581	784	96	3.90	0.2	3.138	0.093	3	1	1	455
PL.71549	PL.70982	A	6 A (CWC)	7.13Y	118.8	0.00	6.19	1.44	1	10	2	98	0.00	0.0	3.142	0.005	0	0	0	3
PD.10699	PL.71549	A	30T	7.13Y	118.8	0.00	6.19	1.44	0	10	2	98	0.00	0.0	3.142	0.005	0	0	0	3
PL.71550	PD.10699	A	6 A (CWC)	7.13Y	118.8	0.01	6.19	1.44	1	10	2	98	0.00	0.0	3.220	0.078	0	0	0	3
PL.71160	PL.71550	A	6 A (CWC)	7.13Y	118.8	0.00	6.20	1.44	1	10	2	98	0.00	0.0	3.247	0.027	0	0	0	3
PL.71161	PL.71160	A	6 A (CWC)	7.13Y	118.8	0.00	6.20	1.43	1	10	2	98	0.00	0.0	3.293	0.046	10	2	2	2
PL.70674	PL.71160	A	#1/0 ACSR	7.13Y	118.8	0.00	6.20	0.00	0	0	0	100	0.00	0.0	3.307	0.060	0	0	1	1
PL.70658	PL.70982	ABC	#1/0 ACSR	7.10Y	118.4	0.40	6.59	125.26	54	2564	777	96	7.25	0.3	3.311	0.174	0	0	0	451
PL.71157	PL.70658	A	#4 ACSR	7.10Y	118.4	0.00	6.59	5.37	4	37	9	97	0.00	0.0	3.316	0.005	0	0	0	5
PD.10691	PL.71157	A	30T	7.10Y	118.4	0.00	6.59	5.37	0	37	9	97	0.00	0.0	3.316	0.005	0	0	0	5
PL.70659	PD.10691	A	#4 ACSR	7.10Y	118.4	0.00	6.59	1.58	1	11	3	96	0.00	0.0	3.408	0.093	11	3	1	1
PL.71323	PD.10691	A	#4 ACSR	7.10Y	118.4	0.00	6.59	3.80	3	26	6	97	0.00	0.0	3.339	0.023	10	2	1	4

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Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																					
-Base Voltage:120.0-																					
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----			Cons On	Cons Thru
PL.71324	PL.71323	A	#4 ACSR	7.10Y	118.4	0.00	6.59	2.38	2	16	4	97	0.00	0.0	3.395	0.056	11	3	1	3	
PL.71325	PL.71324	A	#4 ACSR	7.10Y	118.4	0.00	6.60	0.78	1	5	1	98	0.00	0.0	3.473	0.078	5	1	2	2	
PL.71156	PL.70658	ABC	#1/0 ACSR	7.10Y	118.4	0.01	6.60	123.48	54	2519	761	96	0.18	0.0	3.316	0.004	0	0	0	446	
PL.71535	PL.71156	ABC	#1/0 ACSR	7.09Y	118.2	0.22	6.81	123.48	54	2519	761	96	3.89	0.2	3.411	0.096	0	0	0	446	
PL.71536	PL.71535	ABC	#1/0 ACSR	7.09Y	118.2	0.01	6.82	123.48	54	2515	757	96	0.18	0.0	3.416	0.004	8	2	1	446	
PL.71154	PL.71536	ABC	#1/0 ACSR	7.09Y	118.1	0.07	6.89	122.70	53	2499	753	96	1.21	0.0	3.446	0.030	0	0	0	444	
PL.71155	PL.71154	ABC	#1/0 ACSR	7.09Y	118.1	0.00	6.89	122.70	53	2498	752	96	0.06	0.0	3.447	0.002	0	0	0	444	
RG.66	PL.71155	ABC	167Kkva	7.46Y	124.3	-6.22	0.68	122.70	56	2498	752	96	percent Boost= 5.00 Tap= 8.0							444	
PL.71036	RG.66	ABC	#1/0 ACSR	7.46Y	124.3	0.00	0.68	116.56	51	2498	752	96	0.05	0.0	3.449	0.002	0	0	0	444	
PL.70660	PL.71036	ABC	#1/0 ACSR	7.45Y	124.1	0.18	0.86	116.56	51	2498	752	96	3.09	0.1	3.534	0.085	0	0	0	444	
PL.70661	PL.70660	ABC	#1/0 ACSR	7.43Y	123.8	0.29	1.15	116.19	51	2487	747	96	4.92	0.2	3.671	0.137	0	0	0	443	
PL.71709	PL.70661	ABC	#1/0 ACSR	7.42Y	123.7	0.19	1.34	109.53	48	2337	707	96	2.97	0.1	3.764	0.093	0	0	0	413	
PL.71710	PL.71709	ABC	#1/0 ACSR	7.40Y	123.4	0.27	1.60	109.53	48	2334	704	96	4.27	0.2	3.898	0.134	0	0	0	413	
PL.70676	PL.71710	ABC	#1/0 ACSR	7.40Y	123.4	0.04	1.65	109.53	48	2330	700	96	0.70	0.0	3.919	0.022	6	1	1	413	
PL.70678	PL.70676	B	6 A (CWC)	7.40Y	123.3	0.05	1.69	14.87	11	107	26	97	0.04	0.0	3.987	0.067	0	0	0	17	
PL.71527	PL.70678	B	6 A (CWC)	7.40Y	123.3	0.00	1.70	14.87	11	107	26	97	0.00	0.0	3.991	0.005	0	0	0	17	
PD.10688	PL.71527	B	30T	7.40Y	123.3	0.00	1.70	14.87	0	107	26	97	0.00	0.0	3.991	0.005	0	0	0	17	
PL.71528	PD.10688	B	6 A (CWC)	7.39Y	123.2	0.06	1.75	14.87	11	107	26	97	0.04	0.0	4.074	0.082	0	0	0	17	
PL.70679	PL.71528	B	6 A (CWC)	7.39Y	123.2	0.00	1.75	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)	7.39Y	123.2	0.07	1.82	14.87	11	107	26	97	0.06	0.1	4.176	0.103	0	0	0	16	
PL.70680	PL.71141	B	#1/0 ACSR	7.39Y	123.2	0.00	1.82	0.94	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	123.1	0.04	1.86	13.93	10	100	24	97	0.03	0.0	4.241	0.065	0	0	0	15	
PL.71130	PL.71133	B	6 A (CWC)	7.39Y	123.1	0.01	1.87	11.27	8	81	20	97	0.00	0.0	4.251	0.010	0	0	0	10	
PL.71131	PL.71130	B	6 A (CWC)	7.39Y	123.1	0.00	1.87	1.28	1	9	2	98	0.00	0.0	4.282	0.031	9	2	1	1	
PL.70681	PL.71130	B	#2 ACSR	7.39Y	123.1	0.02	1.89	9.99	6	72	18	97	0.01	0.0	4.326	0.075	0	0	0	9	
PL.71126	PL.70681	B	#2 ACSR	7.39Y	123.1	0.00	1.89	3.44	2	25	6	97	0.00	0.0	4.360	0.033	7	2	1	4	
PL.70683	PL.71126	B	#2 ACSR	7.39Y	123.1	0.00	1.89	1.51	1	11	3	96	0.00	0.0	4.384	0.024	11	3	2	2	
PL.71127	PL.71126	B	#2 ACSR	7.39Y	123.1	0.00	1.89	0.94	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	123.1	0.01	1.90	6.55	4	47	12	97	0.00	0.0	4.383	0.057	0	0	0	5	
PL.70684	PL.70682	B	#2 ACSR	7.39Y	123.1	0.01	1.91	6.55	4	47	12	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	1.91	1.89	1	14	3	98	0.00	0.0	4.527	0.110	0	0	0	2	

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Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.71123	PL.71122	B	#2 ACSR	7.39Y	123.1	0.00	1.92	1.23	1	9	2	98	0.00	0.0	4.563	0.035	9	2	1	1
PL.70687	PL.71123	B	#2 ACSR	7.39Y	123.1	0.00	1.92	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	1.92	0.66	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	1.91	4.66	3	33	8	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	1.92	3.76	2	27	7	97	0.00	0.0	4.469	0.013	10	3	1	2
PL.70688	PL.71129	B	#1/0 ACSR	7.38Y	123.1	0.00	1.92	2.32	1	17	4	97	0.00	0.0	4.507	0.038	0	0	0	1
PL.71521	PL.70688	B	#1/0 ACSR	7.38Y	123.1	0.00	1.92	2.32	1	17	4	97	0.00	0.0	4.511	0.005	0	0	0	1
PD.10684	PL.71521	B	30T	7.38Y	123.1	0.00	1.92	2.32	0	17	4	97	0.00	0.0	4.511	0.005	0	0	0	1
PL.71522	PD.10684	B	#1/0 ACSR	7.38Y	123.1	0.00	1.92	2.32	1	17	4	97	0.00	0.0	4.610	0.099	17	4	1	1
PL.70685	PL.71128	B	#1/0 ACSR	7.39Y	123.1	0.00	1.91	0.90	0	6	2	95	0.00	0.0	4.472	0.015	6	2	1	1
PL.71306	PL.71133	B	#4 ACSR	7.39Y	123.1	0.01	1.87	2.67	2	19	5	97	0.00	0.0	4.329	0.088	5	1	1	5
PL.71307	PL.71306	B	#4 ACSR	7.39Y	123.1	0.00	1.87	1.93	1	14	3	98	0.00	0.0	4.384	0.055	5	1	2	4
PL.70689	PL.71307	B	#4 ACSR	7.39Y	123.1	0.00	1.88	1.20	1	9	2	98	0.00	0.0	4.515	0.131	9	2	2	2
PL.70677	PL.70676	ABC	#1/0 ACSR	7.39Y	123.1	0.25	1.90	104.30	45	2216	671	96	3.83	0.2	4.052	0.132	0	0	0	395
PL.71301	PL.70677	ABC	#1/0 ACSR	7.38Y	123.0	0.15	2.05	104.30	45	2212	668	96	2.23	0.1	4.129	0.077	6	2	1	395
PL.71302	PL.71301	ABC	#1/0 ACSR	7.37Y	122.9	0.08	2.13	104.00	45	2204	664	96	1.27	0.1	4.173	0.044	0	0	0	394
PL.71684	PL.71302	ABC	#1/0 ACSR	7.37Y	122.9	0.01	2.14	104.00	45	2203	663	96	0.13	0.0	4.177	0.005	0	0	0	394
PD.10594-A	PL.71684	ABC	Closed	7.37Y	122.9	0.00	2.14	104.00	0	2203	663	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	2.14	104.00	0	2203	663	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	0.08	2.22	104.00	45	2203	663	96	1.25	0.1	4.221	0.043	5	1	1	394
PL.71145	PL.71685	ABC	#1/0 ACSR	7.36Y	122.6	0.16	2.38	103.39	45	2188	658	96	2.43	0.1	4.306	0.086	8	2	1	392
PL.70983	PL.71145	ABC	#1/0 ACSR	7.35Y	122.5	0.13	2.51	102.79	45	2173	653	96	1.88	0.1	4.373	0.067	0	0	0	388
PL.71238	PL.70983	ABC	#1/0 ACSR	7.33Y	122.2	0.25	2.76	97.98	43	2068	626	96	3.57	0.2	4.514	0.140	11	3	1	363
PL.71239	PL.71238	ABC	#1/0 ACSR	7.32Y	121.9	0.33	3.08	97.49	42	2054	620	96	4.62	0.2	4.697	0.184	13	3	1	362
PL.71693	PL.71239	A	#1/0 ACSR	7.31Y	121.9	0.06	3.14	42.94	19	305	76	97	0.13	0.0	4.760	0.063	0	0	0	70
PD.10599	PL.71693	A	70L	7.31Y	121.9	0.00	3.14	42.94	61	305	75	97	0.00	0.0	4.760	0.063	0	0	0	70
PL.71694	PD.10599	A	#1/0 ACSR	7.31Y	121.8	0.07	3.22	42.94	19	305	75	97	0.15	0.0	4.836	0.076	0	0	0	70
PL.71124	PL.71694	A	#1/0 ACSR	7.30Y	121.7	0.07	3.29	42.94	19	305	75	97	0.15	0.0	4.914	0.078	11	3	2	70
PL.70912	PL.71124	A	#4 ACSR	7.30Y	121.7	0.00	3.29	0.06	0	0	0	100	0.00	0.0	4.937	0.023	0	0	1	1
PL.71426	PL.71124	A	#1/0 ACSR	7.30Y	121.6	0.11	3.40	41.35	18	293	72	97	0.21	0.1	5.032	0.118	12	3	1	67
PL.71427	PL.71426	A	#1/0 ACSR	7.29Y	121.6	0.03	3.43	39.62	17	281	69	97	0.05	0.0	5.063	0.031	5	1	1	66

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Balanced Voltage Drop Report
Source: Annville

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.70913	PL.71427	A	#1/0 ACSR	7.29Y	121.5	0.07	3.50	38.88	17	275	68	97	0.13	0.0	5.140	0.077	3	1	1	65
PL.71597	PL.70913	A	6 A (CWC)	7.29Y	121.5	0.00	3.50	9.65	7	68	17	97	0.00	0.0	5.144	0.005	0	0	0	14
PD.10725	PL.71597	A	30T	7.29Y	121.5	0.00	3.50	9.65	0	68	17	97	0.00	0.0	5.144	0.005	0	0	0	14
PL.71598	PD.10725	A	6 A (CWC)	7.29Y	121.5	0.03	3.53	9.65	7	68	17	97	0.02	0.0	5.229	0.084	9	2	2	14
PL.70985	PL.71598	A	6 A (CWC)	7.29Y	121.4	0.03	3.56	8.21	6	58	14	97	0.01	0.0	5.300	0.071	0	0	0	11
PL.70824	PL.70985	A	6 A (CWC)	7.29Y	121.4	0.00	3.56	8.21	6	58	14	97	0.00	0.0	5.304	0.005	0	0	0	11
PD.10587	PL.70824	A	30T	7.29Y	121.4	0.00	3.56	8.21	0	58	14	97	0.00	0.0	5.304	0.005	0	0	0	11
PL.70825	PD.10587	A	6 A (CWC)	7.28Y	121.4	0.05	3.61	8.21	6	58	14	97	0.02	0.0	5.440	0.136	0	0	0	11
PL.70937	PL.70825	A	6 A (CWC)	7.28Y	121.3	0.04	3.65	8.21	6	58	14	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	3.65	2.65	1	19	5	97	0.00	0.0	5.584	0.036	9	2	2	4
PL.71425	PL.71424	A	#1/0 ACSR	7.28Y	121.3	0.00	3.66	1.43	1	10	2	98	0.00	0.0	5.699	0.116	10	2	2	2
PL.71412	PL.70937	A	6 A (CWC)	7.28Y	121.3	0.03	3.68	5.56	4	39	10	97	0.01	0.0	5.662	0.113	9	2	1	7
PL.71413	PL.71412	A	6 A (CWC)	7.28Y	121.3	0.01	3.68	4.32	3	31	7	98	0.00	0.0	5.692	0.030	0	0	1	6
PL.71144	PL.71413	A	#1/0 ACSR	7.28Y	121.3	0.00	3.69	4.32	2	31	7	98	0.00	0.0	5.736	0.044	0	0	0	5
PL.71410	PL.71144	A	#1/0 ACSR	7.28Y	121.3	0.00	3.69	1.41	1	10	2	98	0.00	0.0	5.821	0.085	7	2	1	2
PL.71411	PL.71410	A	#1/0 ACSR	7.28Y	121.3	0.00	3.69	0.36	0	3	1	95	0.00	0.0	5.842	0.021	3	1	1	1
PL.71408	PL.71144	A	#1/0 ACSR	7.28Y	121.3	0.00	3.69	2.91	1	21	5	97	0.00	0.0	5.771	0.035	14	3	2	3
PL.71409	PL.71408	A	#1/0 ACSR	7.28Y	121.3	0.00	3.69	0.92	0	6	2	95	0.00	0.0	5.795	0.024	6	2	1	1
PL.70914	PL.71598	A	#1/0 ACSR	7.29Y	121.5	0.00	3.53	0.20	0	1	0	100	0.00	0.0	5.294	0.065	1	0	1	1
PL.70984	PL.70913	A	#1/0 ACSR	7.29Y	121.4	0.06	3.56	28.83	13	204	50	97	0.08	0.0	5.233	0.093	7	2	1	50
PL.70915	PL.70984	A	#1/0 ACSR	7.29Y	121.4	0.00	3.56	0.85	0	6	1	99	0.00	0.0	5.357	0.125	0	0	0	1
PL.70936	PL.70915	A	#4 ACSR	7.29Y	121.4	0.00	3.56	0.85	1	6	1	99	0.00	0.0	5.409	0.052	0	0	0	1
PL.70935	PL.70936	A	#4 ACSR	7.29Y	121.4	0.00	3.56	0.85	1	6	1	99	0.00	0.0	5.470	0.061	6	1	1	1
PL.70916	PL.70984	A	#1/0 ACSR	7.28Y	121.4	0.06	3.61	27.05	12	191	47	97	0.07	0.0	5.323	0.090	0	0	0	48
PL.71599	PL.70916	A	6 A (CWC)	7.28Y	121.4	0.00	3.62	13.43	10	95	23	97	0.00	0.0	5.327	0.005	0	0	0	21
PD.10726	PL.71599	A	30T	7.28Y	121.4	0.00	3.62	13.43	0	95	23	97	0.00	0.0	5.327	0.005	0	0	0	21
PL.71600	PD.10726	A	6 A (CWC)	7.28Y	121.3	0.05	3.66	13.43	10	95	23	97	0.03	0.0	5.413	0.086	18	4	4	21
PL.70918	PL.71600	A	#4 ACSR	7.28Y	121.3	0.03	3.69	10.87	8	77	19	97	0.02	0.0	5.476	0.063	7	2	3	17
PL.70919	PL.70918	A	#4 ACSR	7.28Y	121.3	0.02	3.71	9.91	8	70	17	97	0.01	0.0	5.519	0.043	0	0	1	14
PL.71689	PL.70919	A	#4 ACSR	7.28Y	121.3	0.00	3.71	9.91	8	70	17	97	0.00	0.0	5.524	0.005	0	0	0	13
PD.10597-A	PL.71689	A	Closed	7.28Y	121.3	0.00	3.71	9.91	0	70	17	97	0.00	0.0	5.524	0.005	0	0	0	13

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Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.10597-B	PD.10597-A	A	Closed	7.28Y	121.3	0.00	3.71	9.91	0	70	17	97	0.00	0.0	5.524	0.005	0	0	0	13
PL.71690	PD.10597-B	A	#4 ACSR	7.28Y	121.3	0.01	3.72	9.91	8	70	17	97	0.01	0.0	5.546	0.022	0	0	0	13
PL.71125	PL.71690	A	#4 ACSR	7.27Y	121.2	0.06	3.78	8.68	7	61	15	97	0.03	0.0	5.692	0.146	0	0	0	12
PL.71050	PL.71125	A	#4 ACSR	7.27Y	121.2	0.04	3.82	8.68	7	61	15	97	0.02	0.0	5.811	0.119	11	3	1	12
PL.71112	PL.71050	A	#4 ACSR	7.27Y	121.2	0.02	3.84	4.75	4	34	8	97	0.00	0.0	5.903	0.091	0	0	0	7
PL.71113	PL.71112	A	#4 ACSR	7.27Y	121.2	0.00	3.84	4.74	4	33	8	97	0.00	0.0	5.919	0.016	0	0	0	5
PL.70922	PL.71113	A	#1/0 ACSR	7.27Y	121.2	0.00	3.84	2.04	1	14	4	96	0.00	0.0	5.954	0.035	14	4	2	2
PL.71603	PL.71113	A	#4 ACSR	7.27Y	121.2	0.00	3.84	2.70	2	19	5	97	0.00	0.0	5.924	0.005	0	0	0	3
PD.10729	PL.71603	A	30T	7.27Y	121.2	0.00	3.84	2.70	0	19	5	97	0.00	0.0	5.924	0.005	0	0	0	3
PL.71604	PD.10729	A	#4 ACSR	7.27Y	121.1	0.01	3.86	2.70	2	19	5	97	0.00	0.0	6.072	0.148	11	3	2	3
PL.70923	PL.71604	A	#1/0 ACSR	7.27Y	121.1	0.00	3.86	1.16	1	8	2	97	0.00	0.0	6.110	0.039	8	2	1	1
PL.70921	PL.71112	A	#1/0 ACSR	7.27Y	121.2	0.00	3.84	0.01	0	0	0	100	0.00	0.0	5.966	0.063	0	0	2	2
PL.71601	PL.71050	A	#4 ACSR	7.27Y	121.2	0.00	3.82	2.41	2	17	4	97	0.00	0.0	5.816	0.005	0	0	0	4
PD.10728	PL.71601	A	30T	7.27Y	121.2	0.00	3.82	2.41	0	17	4	97	0.00	0.0	5.816	0.005	0	0	0	4
PL.71602	PD.10728	A	#4 ACSR	7.27Y	121.2	0.00	3.82	2.41	2	17	4	97	0.00	0.0	5.835	0.020	0	0	1	4
PL.71420	PL.71602	A	#4 ACSR	7.27Y	121.2	0.01	3.83	2.41	2	17	4	97	0.00	0.0	5.940	0.105	6	2	1	3
PL.71418	PL.71420	A	#4 ACSR	7.27Y	121.2	0.00	3.83	1.52	1	11	3	96	0.00	0.0	5.975	0.035	2	0	1	2
PL.71419	PL.71418	A	#4 ACSR	7.27Y	121.2	0.00	3.83	1.29	1	9	2	98	0.00	0.0	6.018	0.043	9	2	1	1
PL.70920	PL.71690	A	#1/0 ACSR	7.28Y	121.3	0.00	3.72	1.24	1	9	2	98	0.00	0.0	5.559	0.013	9	2	1	1
PL.70917	PL.70918	A	#1/0 ACSR	7.28Y	121.3	0.00	3.69	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	121.4	0.02	3.64	13.61	6	96	24	97	0.02	0.0	5.402	0.079	4	1	1	27
PL.71417	PL.71416	A	#1/0 ACSR	7.28Y	121.3	0.03	3.66	13.06	6	92	23	97	0.02	0.0	5.492	0.090	7	2	2	26
PL.70820	PL.71417	A	6 A (CWC)	7.28Y	121.3	0.00	3.66	1.82	1	13	3	97	0.00	0.0	5.496	0.005	0	0	0	5
PD.10585	PL.70820	A	30T	7.28Y	121.3	0.00	3.66	1.82	0	13	3	97	0.00	0.0	5.496	0.005	0	0	0	5
PL.70821	PD.10585	A	6 A (CWC)	7.28Y	121.3	0.01	3.67	1.82	1	13	3	97	0.00	0.0	5.615	0.119	0	0	0	5
PL.70986	PL.70821	A	6 A (CWC)	7.28Y	121.3	0.01	3.68	1.82	1	13	3	97	0.00	0.0	5.690	0.075	0	0	0	5
PL.70927	PL.70986	A	6 A (CWC)	7.28Y	121.3	0.00	3.68	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)	7.28Y	121.3	0.00	3.68	1.82	1	13	3	97	0.00	0.0	5.748	0.058	0	0	1	4
PL.70926	PL.70928	A	6 A (CWC)	7.28Y	121.3	0.00	3.69	1.82	1	13	3	97	0.00	0.0	5.825	0.077	7	2	2	3
PL.70925	PL.70926	A	#1/0 ACSR	7.28Y	121.3	0.00	3.69	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	7.28Y	121.3	0.00	3.69	0.76	0	5	1	98	0.00	0.0	5.899	0.074	5	1	1	1

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.71137	PL.71417	A	#1/0 ACSR	7.28Y	121.3	0.00	3.66	10.32	4	73	18	97	0.00	0.0	5.496	0.005	0	0	0	19
PD.10727	PL.71137	A	30T	7.28Y	121.3	0.00	3.66	10.32	0	73	18	97	0.00	0.0	5.496	0.005	0	0	0	19
PL.71414	PD.10727	A	#4 ACSR	7.28Y	121.3	0.00	3.67	1.23	1	9	2	98	0.00	0.0	5.556	0.059	3	1	1	2
PL.71415	PL.71414	A	#4 ACSR	7.28Y	121.3	0.00	3.67	0.76	1	5	1	98	0.00	0.0	5.573	0.017	5	1	1	1
PL.71142	PD.10727	A	#1/0 ACSR	7.28Y	121.3	0.02	3.68	9.08	4	64	16	97	0.01	0.0	5.603	0.106	0	0	0	17
PL.71143	PL.71142	A	#1/0 ACSR	7.28Y	121.3	0.01	3.70	8.36	4	59	14	97	0.00	0.0	5.671	0.068	4	1	1	16
PL.71146	PL.71143	A	#1/0 ACSR	7.28Y	121.3	0.03	3.72	7.12	3	50	12	97	0.01	0.0	5.838	0.167	0	0	0	13
PL.70932	PL.71146	A	#1/0 ACSR	7.28Y	121.3	0.00	3.72	0.17	0	1	0	100	0.00	0.0	5.905	0.067	1	0	1	1
PL.71147	PL.71146	A	#1/0 ACSR	7.28Y	121.3	0.01	3.73	3.98	2	28	7	97	0.00	0.0	5.927	0.090	9	2	1	7
PL.70822	PL.71147	A	6 A (CWC)	7.28Y	121.3	0.00	3.73	1.25	1	9	2	98	0.00	0.0	5.932	0.005	0	0	0	4
PD.10586	PL.70822	A	30T	7.28Y	121.3	0.00	3.73	1.25	0	9	2	98	0.00	0.0	5.932	0.005	0	0	0	4
PL.70823	PD.10586	A	6 A (CWC)	7.28Y	121.3	0.00	3.73	1.25	1	9	2	98	0.00	0.0	5.984	0.052	9	2	4	4
PL.70933	PL.71147	A	6 A (CWC)	7.28Y	121.3	0.01	3.74	1.48	1	10	3	96	0.00	0.0	6.053	0.126	6	1	1	2
PL.70934	PL.70933	A	#2 ACSR	7.28Y	121.3	0.00	3.74	0.65	0	5	1	98	0.00	0.0	6.085	0.032	5	1	1	1
PL.71421	PL.71146	A	#4 ACSR	7.28Y	121.3	0.01	3.73	2.96	2	21	5	97	0.00	0.0	5.943	0.105	16	4	3	5
PL.71422	PL.71421	A	#4 ACSR	7.28Y	121.3	0.00	3.73	0.71	1	5	1	98	0.00	0.0	6.001	0.058	2	1	1	2
PL.71423	PL.71422	A	#4 ACSR	7.28Y	121.3	0.00	3.73	0.40	0	3	1	95	0.00	0.0	6.047	0.047	3	1	1	1
PL.70931	PL.71143	A	#1/0 ACSR	7.28Y	121.3	0.00	3.70	0.63	0	4	1	97	0.00	0.0	5.695	0.024	4	1	2	2
PL.70930	PL.71142	A	#4 ACSR	7.28Y	121.3	0.00	3.69	0.73	1	5	1	98	0.00	0.0	5.626	0.023	5	1	1	1
PL.70929	PL.71142	A	#4 ACSR	7.28Y	121.3	0.00	3.68	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	7.31Y	121.8	0.14	3.22	82.59	36	1731	537	96	1.66	0.1	4.788	0.091	0	0	0	291
PL.71119	PL.71118	ABC	#1/0 ACSR	7.29Y	121.6	0.23	3.45	79.75	35	1669	520	95	2.61	0.2	4.942	0.154	0	0	0	280
PL.71052	PL.71119	ABC	#1/0 ACSR	7.28Y	121.3	0.26	3.70	79.75	35	1666	518	95	2.98	0.2	5.118	0.176	0	0	0	280
PL.71053	PL.71052	ABC	#1/0 ACSR	7.27Y	121.1	0.20	3.90	79.75	35	1663	515	96	2.33	0.1	5.256	0.138	0	0	0	280
PL.70708	PL.71053	ABC	#1/0 ACSR	7.26Y	121.0	0.05	3.95	41.06	18	855	263	96	0.29	0.0	5.321	0.065	0	0	0	119
PL.71691	PL.70708	ABC	#1/0 ACSR	7.26Y	121.0	0.00	3.96	41.06	18	855	263	96	0.02	0.0	5.325	0.005	0	0	0	119
PD.10598-A	PL.71691	ABC	Closed	7.26Y	121.0	0.00	3.96	41.06	0	855	263	96	0.00	0.0	5.325	0.005	0	0	0	119
PD.10598-B	PD.10598-A	ABC	Closed	7.26Y	121.0	0.00	3.96	41.06	0	855	263	96	0.00	0.0	5.325	0.005	0	0	0	119
PL.71692	PD.10598-B	ABC	#1/0 ACSR	7.26Y	121.0	0.03	3.99	41.06	18	855	263	96	0.19	0.0	5.368	0.043	0	0	0	119
PL.71488	PL.71692	ABC	#1/0 ACSR	7.26Y	121.0	0.00	3.99	41.06	18	855	263	96	0.02	0.0	5.372	0.004	0	0	0	119
PL.71001	PL.71488	ABC	#1/0 ACSR	7.26Y	121.0	0.03	4.02	40.76	18	848	261	96	0.16	0.0	5.409	0.036	3	1	3	118

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 EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.70810	PL.71001	A	6 A (CWC)	7.26Y	121.0	0.00	4.02	2.39	2	17	4	97	0.00	0.0	5.413	0.005	0	0	0	3
PD.10578	PL.70810	A	25T	7.26Y	121.0	0.00	4.02	2.39	0	17	4	97	0.00	0.0	5.413	0.005	0	0	0	3
PL.70811	PD.10578	A	6 A (CWC)	7.26Y	121.0	0.01	4.03	2.39	2	17	4	97	0.00	0.0	5.535	0.122	0	0	0	3
PL.70759	PL.70811	A	6 A (CWC)	7.26Y	121.0	0.00	4.03	1.29	1	9	2	98	0.00	0.0	5.604	0.069	9	2	2	2
PL.71237	PL.70811	A	#4 ACSR	7.26Y	121.0	0.00	4.04	1.10	1	8	2	97	0.00	0.0	5.594	0.059	0	0	0	1
PL.71236	PL.71237	A	#4 ACSR	7.26Y	121.0	0.00	4.04	1.10	1	8	2	97	0.00	0.0	5.632	0.038	8	2	1	1
PL.71484	PL.71001	ABC	#1/0 ACSR	7.26Y	121.0	0.00	4.02	39.11	17	813	252	96	0.02	0.0	5.413	0.005	0	0	0	108
PL.71485	PL.71484	ABC	#1/0 ACSR	7.26Y	120.9	0.03	4.06	39.11	17	813	252	96	0.20	0.0	5.462	0.049	0	0	0	108
PL.71235	PL.71485	ABC	#1/0 ACSR	7.25Y	120.9	0.03	4.08	39.11	17	813	252	96	0.15	0.0	5.500	0.038	0	0	0	108
PL.71109	PL.71235	ABC	#1/0 ACSR	7.25Y	120.9	0.01	4.09	39.11	17	813	252	96	0.06	0.0	5.513	0.014	0	0	0	108
PL.71110	PL.71109	ABC	#1/0 ACSR	7.25Y	120.9	0.03	4.12	35.37	15	739	216	96	0.16	0.0	5.561	0.048	0	0	0	107
PL.70758	PL.71110	ABC	#1/0 ACSR	7.25Y	120.8	0.05	4.17	35.37	15	739	216	96	0.23	0.0	5.631	0.070	0	0	0	107
PL.71581	PL.70758	C	1/0 AL URD	7.25Y	120.8	0.00	4.17	0.84	0	6	1	99	0.00	0.0	5.636	0.005	0	0	0	2
PD.10716	PL.71581	C	30T	7.25Y	120.8	0.00	4.17	0.84	0	6	1	99	0.00	0.0	5.636	0.005	0	0	0	2
PL.71582	PD.10716	C	1/0 AL URD	7.25Y	120.8	0.00	4.17	0.84	0	6	1	99	0.00	0.0	5.689	0.054	5	1	1	2
PL.71439	PL.71582	C	1/0 AL URD	7.25Y	120.8	0.00	4.17	0.11	0	1	-1	-71	0.00	0.0	5.726	0.037	0	0	0	1
PL.71440	PL.71439	C	1/0 AL URD	7.25Y	120.8	0.00	4.17	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	7.25Y	120.8	0.02	4.19	35.10	15	732	215	96	0.09	0.0	5.659	0.028	0	0	0	105
PL.71290	PL.71289	ABC	#1/0 ACSR	7.25Y	120.8	0.03	4.22	35.10	15	732	215	96	0.17	0.0	5.712	0.053	0	0	0	105
PL.71682	PL.71290	ABC	1/0 AL URD	7.25Y	120.8	0.00	4.22	5.53	3	108	52	90	0.00	0.0	5.716	0.005	0	0	0	1
PD.10591	PL.71682	ABC	30T	7.25Y	120.8	0.00	4.22	5.53	0	108	52	90	0.00	0.0	5.716	0.005	0	0	0	1
PL.71683	PD.10591	ABC	1/0 AL URD	7.25Y	120.8	0.00	4.23	5.53	3	108	52	90	0.00	0.0	5.789	0.072	108	53	1	1
PL.71002	PL.71290	ABC	#1/0 ACSR	7.24Y	120.7	0.04	4.26	29.65	13	624	163	97	0.19	0.0	5.793	0.082	9	2	2	104
PL.71517	PL.71002	C	1/0 AL URD	7.24Y	120.7	0.00	4.26	0.86	1	6	1	99	0.00	0.0	5.798	0.005	0	0	0	1
PD.10681	PL.71517	C	30T	7.24Y	120.7	0.00	4.26	0.86	0	6	1	99	0.00	0.0	5.798	0.005	0	0	0	1
PL.71518	PD.10681	C	1/0 AL URD	7.24Y	120.7	0.00	4.27	0.86	1	6	1	99	0.00	0.0	5.860	0.062	6	1	1	1
PL.71003	PL.71002	ABC	#1/0 ACSR	7.24Y	120.7	0.03	4.29	28.93	13	608	160	97	0.13	0.0	5.851	0.057	0	0	0	101
PL.70782	PL.71003	ABC	#1/0 ACSR	7.24Y	120.6	0.07	4.36	27.82	12	584	154	97	0.27	0.0	5.982	0.132	0	0	0	98
PL.71054	PL.70782	ABC	#1/0 ACSR	7.24Y	120.6	0.05	4.41	27.82	12	584	154	97	0.20	0.0	6.080	0.098	0	0	0	98
PL.70783	PL.71054	ABC	#1/0 ACSR	7.24Y	120.6	0.01	4.41	10.69	5	223	65	96	0.01	0.0	6.113	0.033	42	20	1	28
PL.71092	PL.70783	A	#1/0 ACSR	7.23Y	120.6	0.01	4.42	25.79	11	181	44	97	0.01	0.0	6.131	0.017	0	0	0	27

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Balanced Voltage Drop Report
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Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.71094	PL.71092	A	#1/0 ACSR	7.23Y	120.6	0.00	4.43	19.60	9	138	34	97	0.00	0.0	6.135	0.005	0	0	0	23
PD.10682	PL.71094	A	30T	7.23Y	120.6	0.00	4.43	19.60	0	138	34	97	0.00	0.0	6.135	0.005	0	0	0	23
PL.71095	PD.10682	A	#1/0 ACSR	7.23Y	120.6	0.00	4.43	0.62	0	4	1	97	0.00	0.0	6.149	0.013	4	1	1	1
PL.71093	PD.10682	A	#1/0 ACSR	7.23Y	120.6	0.02	4.44	18.98	8	133	33	97	0.02	0.0	6.178	0.042	7	2	1	22
PL.71291	PL.71093	A	#1/0 ACSR	7.23Y	120.5	0.02	4.47	17.93	8	126	31	97	0.02	0.0	6.234	0.057	0	0	1	21
PL.70785	PL.71291	A	#4 ACSR	7.23Y	120.5	0.05	4.52	17.93	14	126	31	97	0.05	0.0	6.306	0.072	13	3	2	20
PL.71098	PL.70785	A	6 A (CWC)	7.23Y	120.5	0.03	4.55	16.08	11	113	28	97	0.02	0.0	6.342	0.036	0	0	0	18
PL.70786	PL.71098	A	#2 ACSR	7.23Y	120.5	0.00	4.55	1.03	1	7	2	96	0.00	0.0	6.426	0.084	7	2	1	1
PL.71099	PL.71098	A	6 A (CWC)	7.22Y	120.4	0.04	4.59	15.05	11	106	26	97	0.03	0.0	6.402	0.061	13	3	3	17
PL.71100	PL.71099	A	6 A (CWC)	7.22Y	120.4	0.04	4.62	10.33	7	72	18	97	0.02	0.0	6.499	0.096	29	7	4	11
PL.71519	PL.71100	A	6 A (CWC)	7.22Y	120.4	0.00	4.62	6.16	4	43	11	97	0.00	0.0	6.503	0.005	0	0	0	7
PD.10683	PL.71519	A	30T	7.22Y	120.4	0.00	4.62	6.16	0	43	11	97	0.00	0.0	6.503	0.005	0	0	0	7
PL.71520	PD.10683	A	6 A (CWC)	7.22Y	120.3	0.04	4.66	6.16	4	43	11	97	0.01	0.0	6.645	0.142	0	0	0	7
PL.70789	PL.71520	A	6 A (CWC)	7.22Y	120.3	0.06	4.73	6.16	4	43	11	97	0.02	0.0	6.872	0.227	0	0	0	7
PL.71055	PL.70789	A	#4 ACSR	7.21Y	120.2	0.02	4.75	2.97	2	21	5	97	0.00	0.0	7.061	0.189	0	0	0	2
PL.70870	PL.71055	A	#4 ACSR	7.21Y	120.2	0.01	4.76	2.97	2	21	5	97	0.00	0.0	7.150	0.089	10	2	1	2
PL.70871	PL.70870	A	#4 ACSR	7.21Y	120.2	0.00	4.76	1.53	1	11	3	96	0.00	0.0	7.208	0.057	11	3	1	1
PL.70872	PL.70789	A	6 A (CWC)	7.22Y	120.3	0.02	4.75	3.19	2	22	5	98	0.00	0.0	7.033	0.160	0	0	0	5
PL.71296	PL.70872	A	#4 ACSR	7.21Y	120.2	0.00	4.75	3.19	2	22	5	98	0.00	0.0	7.052	0.020	0	0	1	5
PL.71298	PL.71296	A	#4 ACSR	7.21Y	120.2	0.00	4.76	3.16	2	22	5	98	0.00	0.0	7.092	0.040	7	2	2	4
PL.71297	PL.71298	A	#4 ACSR	7.21Y	120.2	0.00	4.76	2.11	2	15	4	97	0.00	0.0	7.161	0.069	15	4	2	2
PL.70787	PL.71099	A	6 A (CWC)	7.22Y	120.4	0.01	4.59	2.84	2	20	5	97	0.00	0.0	6.476	0.073	13	3	2	3
PL.70788	PL.70787	A	#1/0 ACSR	7.22Y	120.4	0.00	4.59	0.92	0	6	2	95	0.00	0.0	6.560	0.084	6	2	1	1
PL.71091	PL.71092	A	#1/0 ACSR	7.23Y	120.6	0.00	4.42	6.19	3	44	11	97	0.00	0.0	6.135	0.005	0	0	0	4
PD.10581	PL.71091	A	30T	7.23Y	120.6	0.00	4.42	6.19	0	44	11	97	0.00	0.0	6.135	0.005	0	0	0	4
PL.71284	PD.10581	A	#1/0 ACSR	7.23Y	120.6	0.00	4.43	1.29	1	9	2	98	0.00	0.0	6.189	0.054	5	1	1	2
PL.71285	PL.71284	A	#1/0 ACSR	7.23Y	120.6	0.00	4.43	0.56	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	120.6	0.00	4.43	4.90	2	34	8	97	0.00	0.0	6.154	0.019	34	8	2	2
PL.71004	PL.71054	ABC	#1/0 ACSR	7.23Y	120.6	0.02	4.43	17.13	7	361	89	97	0.06	0.0	6.155	0.075	0	0	0	70
PL.71511	PL.71004	B	#1/0 ACSR	7.23Y	120.6	0.00	4.43	31.65	14	222	55	97	0.01	0.0	6.160	0.005	0	0	0	40
PD.10679	PL.71511	B	30T	7.23Y	120.6	0.00	4.43	31.65	0	222	55	97	0.00	0.0	6.160	0.005	0	0	0	40

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Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.71512	PD.10679	B	#1/0 ACSR	7.23Y	120.5	0.04	4.47	31.65	14	222	55	97	0.06	0.0	6.214	0.054	0	0	0	40
PL.71085	PL.71512	B	#1/0 ACSR	7.23Y	120.5	0.05	4.52	30.63	13	215	53	97	0.07	0.0	6.284	0.070	0	0	0	39
PL.70844	PL.71085	B	#1/0 ACSR	7.23Y	120.5	0.00	4.52	1.00	0	7	2	96	0.00	0.0	6.309	0.025	7	2	1	1
PL.71282	PL.71085	B	#1/0 ACSR	7.23Y	120.4	0.03	4.56	29.63	13	208	51	97	0.05	0.0	6.333	0.050	3	1	1	38
PL.71283	PL.71282	B	#1/0 ACSR	7.22Y	120.4	0.03	4.58	29.15	13	205	50	97	0.04	0.0	6.380	0.046	13	3	3	37
PL.71087	PL.71283	B	#1/0 ACSR	7.22Y	120.4	0.04	4.62	24.15	10	169	42	97	0.04	0.0	6.446	0.066	0	0	0	31
PL.71089	PL.71087	B	#1/0 ACSR	7.22Y	120.4	0.00	4.62	3.38	1	24	6	97	0.00	0.0	6.486	0.041	9	2	2	5
PL.70846	PL.71089	B	#1/0 ACSR	7.22Y	120.4	0.00	4.62	1.00	0	7	2	96	0.00	0.0	6.525	0.039	7	2	1	1
PL.71090	PL.71089	B	#1/0 ACSR	7.22Y	120.4	0.00	4.62	1.15	1	8	2	97	0.00	0.0	6.526	0.039	8	2	2	2
PL.70845	PL.71087	B	#1/0 ACSR	7.22Y	120.3	0.04	4.66	20.77	9	146	36	97	0.04	0.0	6.527	0.081	0	0	0	26
PL.71083	PL.70845	B	#1/0 ACSR	7.22Y	120.3	0.00	4.66	2.86	1	20	5	97	0.00	0.0	6.560	0.033	7	2	1	3
PL.70847	PL.71083	B	#4 ACSR	7.22Y	120.3	0.00	4.66	0.90	1	6	2	95	0.00	0.0	6.578	0.018	6	2	1	1
PL.71082	PL.71083	B	#1/0 ACSR	7.22Y	120.3	0.00	4.66	0.94	0	7	2	96	0.00	0.0	6.633	0.073	7	2	1	1
PL.71005	PL.70845	B	#1/0 ACSR	7.22Y	120.3	0.02	4.68	17.91	8	126	31	97	0.02	0.0	6.580	0.053	0	0	0	23
PL.70848	PL.71005	B	#4 ACSR	7.22Y	120.3	0.02	4.70	9.61	7	67	16	97	0.01	0.0	6.622	0.042	9	2	2	12
PL.70849	PL.70848	B	#1/0 ACSR	7.22Y	120.3	0.00	4.70	0.91	0	6	2	95	0.00	0.0	6.735	0.113	0	0	0	1
PL.71056	PL.70849	B	#1/0 ACSR	7.22Y	120.3	0.00	4.70	0.91	0	6	2	95	0.00	0.0	6.818	0.083	6	2	1	1
PL.71084	PL.70848	B	#4 ACSR	7.22Y	120.3	0.02	4.71	7.42	6	52	13	97	0.01	0.0	6.671	0.049	5	1	1	9
PL.71224	PL.71084	B	#4 ACSR	7.22Y	120.3	0.01	4.73	6.17	5	43	11	97	0.00	0.0	6.722	0.051	7	2	1	7
PL.71225	PL.71224	B	#4 ACSR	7.22Y	120.3	0.01	4.73	5.16	4	36	9	97	0.00	0.0	6.753	0.031	14	3	2	6
PL.71086	PL.71225	B	#4 ACSR	7.22Y	120.3	0.01	4.74	1.99	2	14	3	98	0.00	0.0	6.831	0.078	6	1	2	3
PL.70853	PL.71086	B	#1/0 ACSR	7.22Y	120.3	0.00	4.74	1.12	0	8	2	97	0.00	0.0	6.901	0.070	8	2	1	1
PL.70852	PL.71225	B	#1/0 ACSR	7.22Y	120.3	0.00	4.73	1.19	1	8	2	97	0.00	0.0	6.773	0.020	8	2	1	1
PL.70851	PL.71084	B	#1/0 ACSR	7.22Y	120.3	0.00	4.71	0.51	0	4	1	97	0.00	0.0	6.688	0.017	4	1	1	1
PL.70850	PL.71005	B	#4 ACSR	7.22Y	120.3	0.01	4.69	8.31	6	58	14	97	0.01	0.0	6.616	0.036	6	2	1	11
PL.71088	PL.70850	B	6 A (CWC)	7.22Y	120.3	0.00	4.69	1.59	1	11	3	96	0.00	0.0	6.655	0.039	11	3	3	3
PL.71226	PL.70850	B	6 A (CWC)	7.22Y	120.3	0.01	4.70	5.80	4	41	10	97	0.00	0.0	6.650	0.033	10	2	2	7
PL.71227	PL.71226	B	6 A (CWC)	7.22Y	120.3	0.01	4.71	4.34	3	30	7	97	0.00	0.0	6.696	0.046	9	2	1	5
PL.71228	PL.71227	B	6 A (CWC)	7.22Y	120.3	0.01	4.71	3.12	2	22	5	98	0.00	0.0	6.744	0.048	10	3	3	4
PL.71229	PL.71228	B	6 A (CWC)	7.22Y	120.3	0.00	4.72	1.63	1	11	3	96	0.00	0.0	6.768	0.024	0	0	0	1
PL.70854	PL.71229	B	#1/0 ACSR	7.22Y	120.3	0.00	4.72	1.63	1	11	3	96	0.00	0.0	6.813	0.045	11	3	1	1

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.71281	PL.71283	B	#1/0 ACSR	7.22Y	120.4	0.00	4.59	3.09	1	22	5	98	0.00	0.0	6.418	0.038	7	2	1	3
PL.71280	PL.71281	B	#1/0 ACSR	7.22Y	120.4	0.00	4.59	2.09	1	15	4	97	0.00	0.0	6.434	0.016	15	4	2	2
PL.70790	PL.71512	B	#1/0 ACSR	7.23Y	120.5	0.00	4.47	1.02	0	7	2	96	0.00	0.0	6.240	0.026	7	2	1	1
PL.71513	PL.71004	ABC	#1/0 ACSR	7.23Y	120.6	0.00	4.43	6.58	3	139	34	97	0.00	0.0	6.160	0.005	0	0	0	30
PL.71514	PL.71513	ABC	#1/0 ACSR	7.23Y	120.6	0.01	4.44	6.58	3	139	34	97	0.01	0.0	6.211	0.051	0	0	0	30
PL.70843	PL.71514	ABC	#1/0 ACSR	7.23Y	120.6	0.01	4.44	6.58	3	139	34	97	0.01	0.0	6.269	0.059	0	0	0	30
PL.71006	PL.70843	ABC	#1/0 ACSR	7.23Y	120.5	0.01	4.45	6.43	3	136	33	97	0.01	0.0	6.336	0.067	7	2	1	29
PL.70818	PL.71006	C	#4 ACSR	7.23Y	120.5	0.00	4.46	16.79	13	118	29	97	0.00	0.0	6.341	0.005	0	0	0	25
PD.10583	PL.70818	C	30T	7.23Y	120.5	0.00	4.46	16.79	0	118	29	97	0.00	0.0	6.341	0.005	0	0	0	25
PL.70819	PD.10583	C	#4 ACSR	7.23Y	120.5	0.03	4.49	16.79	13	118	29	97	0.03	0.0	6.387	0.046	0	0	0	25
PL.70857	PL.70819	C	6 A (CWC)	7.23Y	120.5	0.00	4.49	3.29	2	23	6	97	0.00	0.0	6.420	0.033	4	1	3	9
PL.70858	PL.70857	C	#4 ACSR	7.23Y	120.5	0.00	4.49	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)	7.23Y	120.5	0.00	4.50	0.92	1	6	2	95	0.00	0.0	6.485	0.065	6	2	1	2
PL.71287	PL.71286	C	6 A (CWC)	7.23Y	120.5	0.00	4.50	0.03	0	0	0	100	0.00	0.0	6.557	0.071	0	0	1	1
PL.70855	PL.70857	C	#4 ACSR	7.23Y	120.5	0.00	4.50	1.83	1	13	3	97	0.00	0.0	6.491	0.071	5	1	2	3
PL.70856	PL.70855	C	#1/0 ACSR	7.23Y	120.5	0.00	4.50	1.19	1	8	2	97	0.00	0.0	6.582	0.090	8	2	1	1
PL.70859	PL.70819	C	6 A (CWC)	7.23Y	120.5	0.05	4.54	13.50	10	95	23	97	0.04	0.0	6.471	0.084	0	0	0	16
PL.71007	PL.70859	C	6 A (CWC)	7.22Y	120.4	0.04	4.59	11.45	8	80	20	97	0.03	0.0	6.557	0.086	0	0	0	14
PL.70863	PL.71007	C	6 A (CWC)	7.22Y	120.4	0.05	4.63	11.45	8	80	20	97	0.03	0.0	6.646	0.090	0	0	0	14
PL.71008	PL.70863	C	6 A (CWC)	7.22Y	120.3	0.04	4.67	9.95	7	70	17	97	0.02	0.0	6.740	0.094	0	0	1	13
PL.71009	PL.71008	C	6 A (CWC)	7.22Y	120.3	0.03	4.71	8.18	6	57	14	97	0.01	0.0	6.827	0.086	0	0	0	11
PL.70866	PL.71009	C	#4 ACSR	7.22Y	120.3	0.01	4.72	4.66	4	33	8	97	0.00	0.0	6.891	0.064	9	2	1	7
PL.71011	PL.70866	C	#4 ACSR	7.22Y	120.3	0.00	4.72	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	7.22Y	120.3	0.01	4.72	3.40	3	24	6	97	0.00	0.0	6.967	0.076	24	6	5	5
PL.71010	PL.71009	C	6 A (CWC)	7.22Y	120.3	0.02	4.73	3.51	3	25	6	97	0.00	0.0	6.966	0.139	8	2	1	4
PL.71507	PL.71010	C	6 A (CWC)	7.22Y	120.3	0.00	4.73	2.42	2	17	4	97	0.00	0.0	6.971	0.005	0	0	0	3
PD.10677	PL.71507	C	30T	7.22Y	120.3	0.00	4.73	2.42	0	17	4	97	0.00	0.0	6.971	0.005	0	0	0	3
PL.71508	PD.10677	C	6 A (CWC)	7.22Y	120.3	0.01	4.73	2.42	2	17	4	97	0.00	0.0	7.033	0.062	0	0	0	3
PL.71012	PL.71508	C	6 A (CWC)	7.22Y	120.3	0.01	4.75	2.42	2	17	4	97	0.00	0.0	7.167	0.134	0	0	0	3
PL.71059	PL.71012	C	6 A (CWC)	7.21Y	120.2	0.02	4.76	2.42	2	17	4	97	0.00	0.0	7.318	0.152	0	0	0	3
PL.71076	PL.71059	C	6 A (CWC)	7.21Y	120.2	0.01	4.77	2.42	2	17	4	97	0.00	0.0	7.417	0.099	0	0	0	3

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Balanced Voltage Drop Report
Source: Annville

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.71060	PL.71076	C	6 A (CWC)	7.21Y	120.2	0.02	4.79	2.42	2	17	4	97	0.00	0.0	7.557	0.140	0	0	0	3
PL.71276	PL.71060	C	6 A (CWC)	7.21Y	120.2	0.03	4.82	2.42	2	17	4	97	0.00	0.0	7.807	0.249	2	0	1	3
PL.71277	PL.71276	C	6 A (CWC)	7.21Y	120.2	0.01	4.83	2.17	2	15	4	97	0.00	0.0	7.946	0.139	10	2	1	2
PL.70868	PL.71277	C	#4 ACSR	7.21Y	120.2	0.00	4.83	0.80	1	6	1	99	0.00	0.0	8.039	0.093	0	0	0	1
PL.71061	PL.70868	C	#4 ACSR	7.21Y	120.2	0.01	4.84	0.80	1	6	1	99	0.00	0.0	8.224	0.185	0	0	0	1
PL.70957	PL.71061	C	#4 ACSR	7.21Y	120.2	0.00	4.84	0.80	1	6	1	99	0.00	0.0	8.354	0.129	0	0	0	1
PL.71278	PL.70957	C	#4 ACSR	7.21Y	120.2	0.00	4.84	0.80	1	6	1	99	0.00	0.0	8.403	0.049	6	1	1	1
PL.71279	PL.71278	C	#4 ACSR	7.21Y	120.2	0.00	4.84	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	7.21Y	120.2	0.00	4.84	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	7.21Y	120.2	0.00	4.84	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	7.21Y	120.2	0.00	4.84	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	7.21Y	120.2	0.00	4.84	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)	7.22Y	120.3	0.00	4.68	1.71	1	12	3	97	0.00	0.0	6.778	0.038	12	3	1	1
PL.70864	PL.70863	C	#4 ACSR	7.22Y	120.4	0.00	4.63	1.50	1	11	3	96	0.00	0.0	6.720	0.074	11	3	1	1
PL.70860	PL.70859	C	6 A (CWC)	7.23Y	120.5	0.00	4.54	2.05	1	14	4	96	0.00	0.0	6.528	0.057	11	3	1	2
PL.70861	PL.70860	C	#2 ACSR	7.23Y	120.5	0.00	4.54	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	7.23Y	120.5	0.00	4.55	0.51	0	4	1	97	0.00	0.0	6.688	0.160	0	0	0	1
PL.71057	PL.70862	C	#4 ACSR	7.23Y	120.4	0.00	4.55	0.51	0	4	1	97	0.00	0.0	6.823	0.136	0	0	0	1
PL.71058	PL.71057	C	#4 ACSR	7.23Y	120.4	0.00	4.55	0.51	0	4	1	97	0.00	0.0	6.976	0.153	4	1	1	1
PL.70816	PL.71006	A	#1/0 ACSR	7.23Y	120.5	0.00	4.45	1.46	1	10	3	96	0.00	0.0	6.341	0.005	0	0	0	3
PD.10582	PL.70816	A	30T	7.23Y	120.5	0.00	4.45	1.46	0	10	3	96	0.00	0.0	6.341	0.005	0	0	0	3
PL.70817	PD.10582	A	#1/0 ACSR	7.23Y	120.5	0.00	4.45	1.46	1	10	3	96	0.00	0.0	6.377	0.036	10	3	3	3
PL.71509	PL.70843	B	#4 ACSR	7.23Y	120.6	0.00	4.44	0.44	0	3	1	95	0.00	0.0	6.274	0.005	0	0	0	1
PD.10678	PL.71509	B	30T	7.23Y	120.6	0.00	4.44	0.44	0	3	1	95	0.00	0.0	6.274	0.005	0	0	0	1
PL.71510	PD.10678	B	#4 ACSR	7.23Y	120.6	0.00	4.44	0.44	0	3	1	95	0.00	0.0	6.297	0.023	3	1	1	1
PL.71515	PL.71003	B	#1/0 ACSR	7.24Y	120.7	0.00	4.29	1.42	1	10	2	98	0.00	0.0	5.855	0.005	0	0	0	1
PD.10680	PL.71515	B	30T	7.24Y	120.7	0.00	4.29	1.42	0	10	2	98	0.00	0.0	5.855	0.005	0	0	0	1
PL.71516	PD.10680	B	#1/0 ACSR	7.24Y	120.7	0.00	4.29	1.42	1	10	2	98	0.00	0.0	5.909	0.054	10	2	1	1
PL.70814	PL.71003	A	#1/0 ACSR	7.24Y	120.7	0.00	4.29	1.93	1	14	3	98	0.00	0.0	5.855	0.005	0	0	0	2
PD.10580	PL.70814	A	30T	7.24Y	120.7	0.00	4.29	1.93	0	14	3	98	0.00	0.0	5.855	0.005	0	0	0	2
PL.70815	PD.10580	A	#1/0 ACSR	7.24Y	120.7	0.00	4.30	1.93	1	14	3	98	0.00	0.0	5.964	0.108	14	3	1	2

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Balanced Voltage Drop Report
Source: Annville

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.71288	PL.70815	A	#1/0 ACSR	7.24Y	120.7	0.00	4.30	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	120.9	0.00	4.09	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	120.9	0.00	4.09	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	120.9	0.00	4.09	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	7.26Y	121.0	0.00	4.02	2.12	2	15	4	97	0.00	0.0	5.413	0.005	0	0	0	4
PD.10665	PL.71482	B	30T	7.26Y	121.0	0.00	4.02	2.12	0	15	4	97	0.00	0.0	5.413	0.005	0	0	0	4
PL.71483	PD.10665	B	#4 ACSR	7.26Y	121.0	0.01	4.03	2.12	2	15	4	97	0.00	0.0	5.489	0.076	0	0	0	4
PL.71108	PL.71483	B	#4 ACSR	7.26Y	121.0	0.00	4.03	2.12	2	15	4	97	0.00	0.0	5.526	0.037	0	0	1	4
PL.70757	PL.71108	B	#1/0 ACSR	7.26Y	121.0	0.00	4.03	1.36	1	10	2	98	0.00	0.0	5.627	0.101	10	2	1	1
PL.71103	PL.71108	B	#4 ACSR	7.26Y	121.0	0.00	4.03	0.76	1	5	1	98	0.00	0.0	5.558	0.032	5	1	2	2
PL.70756	PL.71483	B	#4 ACSR	7.26Y	121.0	0.00	4.03	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	7.26Y	121.0	0.00	3.99	0.90	0	6	2	95	0.00	0.0	5.377	0.005	0	0	0	1
PD.10666	PL.71486	A	30T	7.26Y	121.0	0.00	3.99	0.90	0	6	2	95	0.00	0.0	5.377	0.005	0	0	0	1
PL.71487	PD.10666	A	#1/0 ACSR	7.26Y	121.0	0.00	3.99	0.90	0	6	2	95	0.00	0.0	5.426	0.049	6	2	1	1
PL.71703	PL.71053	ABC	#1/0 ACSR	7.26Y	121.1	0.02	3.92	38.70	17	806	249	96	0.11	0.0	5.282	0.027	0	0	0	161
C PD.10604	PL.71703	ABC	35L	7.26Y	121.1	0.00	3.92	38.70	111	806	249	96	0.00	0.0	5.282	0.027	0	0	0	161 C
PL.71704	PD.10604	ABC	#1/0 ACSR	7.26Y	121.1	0.02	3.95	38.70	17	806	249	96	0.13	0.0	5.314	0.032	0	0	0	161
PL.71479	PL.71704	ABC	#1/0 ACSR	7.26Y	121.1	0.00	3.95	38.70	17	806	249	96	0.02	0.0	5.319	0.004	3	1	1	161
PL.71480	PL.71479	C	#4 ACSR	7.26Y	121.0	0.00	3.95	14.40	11	102	25	97	0.00	0.0	5.324	0.005	0	0	0	19
PD.10664	PL.71480	C	15T	7.26Y	121.0	0.00	3.95	14.40	0	102	25	97	0.00	0.0	5.324	0.005	0	0	0	19
PL.71481	PD.10664	C	#4 ACSR	7.26Y	121.0	0.02	3.97	14.40	11	102	25	97	0.01	0.0	5.353	0.029	11	3	3	19
PL.71234	PL.71481	C	#4 ACSR	7.26Y	121.0	0.03	4.00	12.84	10	91	22	97	0.02	0.0	5.412	0.060	24	6	4	16
PL.71111	PL.71234	C	#4 ACSR	7.26Y	121.0	0.01	4.01	9.39	7	66	16	97	0.01	0.0	5.441	0.028	8	2	1	11
PL.71232	PL.71111	C	#4 ACSR	7.26Y	121.0	0.01	4.02	8.27	6	58	14	97	0.01	0.0	5.483	0.043	12	3	2	10
PL.71233	PL.71232	C	#4 ACSR	7.26Y	121.0	0.01	4.04	6.58	5	46	11	97	0.00	0.0	5.537	0.054	8	2	1	8
PL.71107	PL.71233	C	#4 ACSR	7.26Y	121.0	0.01	4.05	5.51	4	39	10	97	0.00	0.0	5.571	0.034	0	0	0	7
PL.70712	PL.71107	C	#4 ACSR	7.26Y	121.0	0.00	4.05	1.22	1	9	2	98	0.00	0.0	5.589	0.017	9	2	2	2
PL.71222	PL.71107	C	#4 ACSR	7.26Y	120.9	0.01	4.05	4.29	3	30	7	97	0.00	0.0	5.609	0.038	7	2	1	5
PL.71223	PL.71222	C	#4 ACSR	7.26Y	120.9	0.00	4.06	3.28	3	23	6	97	0.00	0.0	5.655	0.046	19	5	2	4
PL.71221	PL.71223	C	#4 ACSR	7.26Y	120.9	0.00	4.06	0.63	0	4	1	97	0.00	0.0	5.694	0.039	0	0	0	2
PL.70713	PL.71221	C	#4 ACSR	7.26Y	120.9	0.00	4.06	0.63	0	4	1	97	0.00	0.0	5.786	0.092	4	1	2	2

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Balanced Voltage Drop Report
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Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.70711	PL.71233	C	#4 ACSR	7.26Y	121.0	0.00	4.04	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	7.26Y	121.0	0.00	4.00	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	121.0	0.02	3.97	33.79	15	701	224	95	0.10	0.0	5.351	0.032	0	0	0	141
PL.71230	PL.70709	ABC	#1/0 ACSR	7.26Y	121.0	0.03	4.00	33.79	15	701	224	95	0.15	0.0	5.402	0.052	25	6	10	141
PL.71231	PL.71230	ABC	#1/0 ACSR	7.26Y	121.0	0.02	4.02	32.62	14	676	217	95	0.09	0.0	5.434	0.031	0	0	0	131
PL.71477	PL.71231	A	#1/0 ACSR	7.26Y	121.0	0.00	4.02	1.01	0	7	2	96	0.00	0.0	5.438	0.005	0	0	0	1
PD.10663	PL.71477	A	15T	7.26Y	121.0	0.00	4.02	1.01	0	7	2	96	0.00	0.0	5.438	0.005	0	0	0	1
PL.71478	PD.10663	A	#1/0 ACSR	7.26Y	121.0	0.00	4.02	1.01	0	7	2	96	0.00	0.0	5.452	0.013	7	2	1	1
PL.70987	PL.71231	ABC	#1/0 ACSR	7.26Y	120.9	0.04	4.06	32.28	14	669	215	95	0.20	0.0	5.508	0.075	9	2	1	130
PL.70714	PL.70987	ABC	#1/0 ACSR	7.25Y	120.9	0.06	4.13	31.84	14	660	213	95	0.30	0.0	5.619	0.110	0	0	0	129
PL.71473	PL.70714	ABC	#1/0 ACSR	7.25Y	120.8	0.03	4.16	31.84	14	659	213	95	0.13	0.0	5.668	0.050	0	0	0	129
PL.71474	PL.71473	ABC	#1/0 ACSR	7.25Y	120.8	0.00	4.16	31.84	14	659	213	95	0.01	0.0	5.673	0.004	0	0	0	129
PL.71475	PL.71474	C	#1/0 ACSR	7.25Y	120.8	0.00	4.16	0.52	0	4	1	97	0.00	0.0	5.677	0.005	0	0	0	1
PD.10662	PL.71475	C	15T	7.25Y	120.8	0.00	4.16	0.52	0	4	1	97	0.00	0.0	5.677	0.005	0	0	0	1
PL.71476	PD.10662	C	#1/0 ACSR	7.25Y	120.8	0.00	4.16	0.52	0	4	1	97	0.00	0.0	5.698	0.021	4	1	1	1
PL.70988	PL.71474	ABC	#1/0 ACSR	7.25Y	120.8	0.07	4.23	31.67	14	655	212	95	0.31	0.0	5.790	0.117	0	0	0	128
PL.71064	PL.70988	ABC	#1/0 ACSR	7.24Y	120.7	0.09	4.31	31.67	14	655	211	95	0.39	0.1	5.937	0.147	0	0	0	128
PL.71217	PL.71064	ABC	#1/0 ACSR	7.24Y	120.6	0.06	4.37	31.67	14	655	211	95	0.27	0.0	6.037	0.100	2	0	1	128
PL.71218	PL.71217	ABC	#1/0 ACSR	7.23Y	120.6	0.05	4.42	31.58	14	653	210	95	0.21	0.0	6.118	0.081	0	0	0	127
PL.70989	PL.71218	ABC	#1/0 ACSR	7.23Y	120.6	0.02	4.44	31.58	14	652	210	95	0.09	0.0	6.150	0.033	0	0	0	127
PL.71214	PL.70989	ABC	#1/0 ACSR	7.23Y	120.5	0.02	4.46	31.58	14	652	210	95	0.10	0.0	6.188	0.037	4	1	1	127
PL.71215	PL.71214	ABC	#1/0 ACSR	7.23Y	120.5	0.03	4.49	31.37	14	648	209	95	0.12	0.0	6.234	0.046	3	1	1	126
PL.71216	PL.71215	ABC	#1/0 ACSR	7.23Y	120.5	0.03	4.52	31.25	14	645	208	95	0.16	0.0	6.293	0.060	1	0	1	125
PL.70990	PL.71216	ABC	#1/0 ACSR	7.23Y	120.4	0.03	4.55	30.43	13	628	204	95	0.15	0.0	6.354	0.061	0	0	0	120
PL.70991	PL.70990	ABC	#1/0 ACSR	7.22Y	120.4	0.04	4.59	28.22	12	581	192	95	0.15	0.0	6.426	0.072	17	4	4	113
PL.71207	PL.70991	ABC	#1/0 ACSR	7.22Y	120.4	0.05	4.64	27.23	12	560	187	95	0.18	0.0	6.519	0.093	2	1	1	104
PL.71208	PL.71207	ABC	#1/0 ACSR	7.22Y	120.3	0.02	4.65	27.12	12	557	186	95	0.06	0.0	6.551	0.032	0	0	0	103
PL.70718	PL.71208	ABC	#1/0 ACSR	7.22Y	120.3	0.02	4.67	27.12	12	557	186	95	0.07	0.0	6.586	0.036	3	1	1	103
PL.70806	PL.70718	A	6 A (CWC)	7.22Y	120.3	0.00	4.68	20.20	14	142	35	97	0.00	0.0	6.591	0.005	0	0	0	37
PD.10576	PL.70806	A	15T	7.22Y	120.3	0.00	4.68	20.20	0	142	35	97	0.00	0.0	6.591	0.005	0	0	0	37
PL.70807	PD.10576	A	6 A (CWC)	7.21Y	120.2	0.12	4.80	20.20	14	142	35	97	0.13	0.1	6.723	0.132	0	0	0	37

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Balanced Voltage Drop Report
Source: Annville

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.70719	PL.70807	A	6 A (CWC)	7.20Y	120.1	0.15	4.95	20.20	14	141	35	97	0.16	0.1	6.886	0.163	0	0	0	37
PL.71067	PL.70719	A	6 A (CWC)	7.20Y	120.0	0.08	5.03	20.20	14	141	35	97	0.09	0.1	6.979	0.093	12	3	3	37
PL.70743	PL.71067	A	6 A (CWC)	7.19Y	119.9	0.06	5.09	18.50	13	129	32	97	0.06	0.0	7.053	0.075	4	1	1	34
PL.70746	PL.70743	A	6 A (CWC)	7.19Y	119.9	0.01	5.10	5.52	4	39	9	97	0.00	0.0	7.113	0.059	5	1	2	9
PL.70748	PL.70746	A	6 A (CWC)	7.19Y	119.9	0.01	5.11	4.36	3	30	7	97	0.00	0.0	7.182	0.069	11	3	3	6
PL.71079	PL.70748	A	#4 ACSR	7.19Y	119.9	0.01	5.12	2.84	2	20	5	97	0.00	0.0	7.261	0.080	11	3	1	3
PL.70749	PL.71079	A	#1/0 ACSR	7.19Y	119.9	0.00	5.12	1.06	0	7	2	96	0.00	0.0	7.346	0.084	7	2	1	1
PL.71080	PL.71079	A	#4 ACSR	7.19Y	119.9	0.00	5.12	0.23	0	2	0	100	0.00	0.0	7.364	0.103	0	0	0	1
PL.71068	PL.71080	A	#4 ACSR	7.19Y	119.9	0.00	5.12	0.23	0	2	0	100	0.00	0.0	7.466	0.102	0	0	0	1
PL.70750	PL.71068	A	#4 ACSR	7.19Y	119.9	0.00	5.12	0.23	0	2	0	100	0.00	0.0	7.510	0.044	2	0	1	1
PL.70747	PL.70746	A	#1/0 ACSR	7.19Y	119.9	0.00	5.10	0.44	0	3	1	95	0.00	0.0	7.133	0.020	3	1	1	1
PL.70745	PL.70743	A	6 A (CWC)	7.19Y	119.9	0.03	5.12	12.40	9	87	21	97	0.02	0.0	7.110	0.057	8	2	1	24
PL.71081	PL.70745	A	#4 ACSR	7.19Y	119.9	0.03	5.15	9.16	7	64	16	97	0.01	0.0	7.182	0.072	4	1	3	21
PL.71211	PL.71081	A	#4 ACSR	7.19Y	119.8	0.02	5.16	7.60	6	53	13	97	0.01	0.0	7.236	0.054	17	4	3	16
PL.71212	PL.71211	A	#4 ACSR	7.19Y	119.8	0.01	5.17	5.12	4	36	9	97	0.00	0.0	7.286	0.051	1	0	2	13
PL.70752	PL.71212	A	#1/0 ACSR	7.19Y	119.8	0.00	5.17	0.40	0	3	1	95	0.00	0.0	7.303	0.017	3	1	1	1
PL.71078	PL.71212	A	#4 ACSR	7.19Y	119.8	0.02	5.19	4.55	4	32	8	97	0.00	0.0	7.369	0.083	6	1	2	10
PL.70960	PL.71078	A	#4 ACSR	7.19Y	119.8	0.01	5.20	3.68	3	26	6	97	0.00	0.0	7.416	0.047	0	0	0	8
PL.70753	PL.70960	A	#1/0 ACSR	7.19Y	119.8	0.00	5.20	2.70	1	19	5	97	0.00	0.0	7.458	0.043	8	2	1	6
PL.71195	PL.70753	A	#4 ACSR	7.19Y	119.8	0.01	5.21	1.56	1	11	3	96	0.00	0.0	7.559	0.101	0	0	1	5
PL.71196	PL.71195	A	#4 ACSR	7.19Y	119.8	0.01	5.21	1.52	1	11	3	96	0.00	0.0	7.637	0.079	0	0	0	4
PL.71197	PL.71196	A	#4 ACSR	7.19Y	119.8	0.00	5.22	1.52	1	11	3	96	0.00	0.0	7.698	0.060	0	0	1	4
PL.71198	PL.71197	A	#4 ACSR	7.19Y	119.8	0.01	5.22	1.51	1	11	3	96	0.00	0.0	7.812	0.114	0	0	0	3
PL.70755	PL.71198	A	#4 ACSR	7.19Y	119.8	0.00	5.22	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	7.19Y	119.8	0.00	5.23	1.51	1	11	3	96	0.00	0.0	7.877	0.065	0	0	1	3
PL.71199	PL.71200	A	#4 ACSR	7.19Y	119.8	0.00	5.23	1.51	1	11	3	96	0.00	0.0	7.902	0.025	11	3	2	2
PL.70754	PL.70960	A	#1/0 ACSR	7.19Y	119.8	0.00	5.20	0.98	0	7	2	96	0.00	0.0	7.442	0.026	7	2	2	2
PL.70751	PL.71081	A	#1/0 ACSR	7.19Y	119.9	0.00	5.15	0.94	0	7	2	96	0.00	0.0	7.218	0.036	7	2	2	2
PL.71210	PL.70745	A	6 A (CWC)	7.19Y	119.9	0.01	5.13	2.09	1	15	4	97	0.00	0.0	7.211	0.101	0	0	0	2
PL.71209	PL.71210	A	6 A (CWC)	7.19Y	119.9	0.01	5.14	2.09	1	15	4	97	0.00	0.0	7.361	0.151	0	0	0	2
PL.70742	PL.71209	A	#1/0 ACSR	7.19Y	119.9	0.00	5.15	1.29	1	9	2	98	0.00	0.0	7.470	0.109	9	2	1	1

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Balanced Voltage Drop Report
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Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.70959	PL.71209	A	6 A (CWC)	7.19Y	119.9	0.00	5.15	0.80	1	6	1	99	0.00	0.0	7.413	0.051	0	0	0	1
PL.70741	PL.70959	A	6 A (CWC)	7.19Y	119.9	0.00	5.15	0.80	1	6	1	99	0.00	0.0	7.457	0.045	6	1	1	1
PL.70993	PL.70718	ABC	#1/0 ACSR	7.22Y	120.3	0.01	4.68	20.28	9	413	151	94	0.03	0.0	6.615	0.029	0	0	0	65
PL.70992	PL.70993	ABC	#1/0 ACSR	7.22Y	120.3	0.02	4.71	20.20	9	411	150	94	0.07	0.0	6.681	0.066	0	0	0	64
PL.70721	PL.70992	ABC	#1/0 ACSR	7.22Y	120.3	0.02	4.73	18.09	8	366	139	93	0.04	0.0	6.732	0.051	0	0	0	49
PL.71205	PL.70721	ABC	#1/0 ACSR	7.21Y	120.2	0.03	4.75	17.74	8	359	137	93	0.07	0.0	6.813	0.081	9	2	2	48
PL.71206	PL.71205	ABC	#1/0 ACSR	7.21Y	120.2	0.02	4.77	17.30	8	349	135	93	0.04	0.0	6.867	0.054	5	1	2	46
PL.71203	PL.71206	ABC	#1/0 ACSR	7.21Y	120.2	0.01	4.78	17.05	7	344	134	93	0.03	0.0	6.909	0.042	15	4	3	44
PL.71204	PL.71203	ABC	#1/0 ACSR	7.21Y	120.2	0.01	4.79	16.34	7	329	130	93	0.01	0.0	6.929	0.020	0	0	0	41
PL.70995	PL.71204	ABC	#1/0 ACSR	7.21Y	120.2	0.01	4.80	15.95	7	321	128	93	0.03	0.0	6.969	0.040	0	0	0	39
PL.71193	PL.70995	ABC	#1/0 ACSR	7.21Y	120.2	0.01	4.82	15.95	7	321	128	93	0.03	0.0	7.014	0.046	0	0	1	39
PL.71194	PL.71193	ABC	#1/0 ACSR	7.21Y	120.2	0.01	4.83	15.94	7	320	128	93	0.02	0.0	7.049	0.035	0	0	0	38
PL.70996	PL.71194	ABC	#1/0 ACSR	7.21Y	120.2	0.00	4.83	15.38	7	308	125	93	0.01	0.0	7.060	0.011	0	0	0	37
PL.70730	PL.70996	ABC	#1/0 ACSR	7.21Y	120.2	0.01	4.84	15.38	7	308	125	93	0.02	0.0	7.097	0.037	8	2	1	37
PL.70997	PL.70730	ABC	#1/0 ACSR	7.21Y	120.1	0.03	4.87	14.68	6	294	121	92	0.05	0.0	7.188	0.091	0	0	0	34
PL.71070	PL.70997	ABC	#1/0 ACSR	7.21Y	120.1	0.03	4.90	14.68	6	294	121	92	0.06	0.0	7.301	0.113	0	0	0	34
PL.70731	PL.71070	ABC	#1/0 ACSR	7.20Y	120.1	0.02	4.92	14.68	6	294	121	92	0.05	0.0	7.388	0.087	0	0	0	34
PL.71459	PL.70731	C	#4 ACSR	7.20Y	120.1	0.00	4.92	1.46	1	10	2	98	0.00	0.0	7.393	0.005	0	0	0	6
PD.10655	PL.71459	C	15T	7.20Y	120.1	0.00	4.92	1.46	0	10	2	98	0.00	0.0	7.393	0.005	0	0	0	6
PL.71460	PD.10655	C	#4 ACSR	7.20Y	120.1	0.00	4.93	1.46	1	10	2	98	0.00	0.0	7.465	0.072	6	1	1	6
PL.71097	PL.71460	C	#4 ACSR	7.20Y	120.1	0.00	4.93	0.58	0	4	1	97	0.00	0.0	7.496	0.031	0	0	0	5
PL.71096	PL.71097	C	#4 ACSR	7.20Y	120.1	0.00	4.93	0.58	0	4	1	97	0.00	0.0	7.656	0.160	0	0	1	5
PL.70729	PL.71096	C	#4 ACSR	7.20Y	120.1	0.00	4.93	0.51	0	4	1	97	0.00	0.0	7.691	0.035	4	1	4	4
PL.71191	PL.70731	ABC	#1/0 ACSR	7.20Y	120.0	0.03	4.96	14.21	6	283	118	92	0.07	0.0	7.514	0.126	5	1	3	28
PL.71192	PL.71191	ABC	#1/0 ACSR	7.20Y	120.0	0.04	4.99	13.99	6	279	117	92	0.08	0.0	7.661	0.147	0	0	0	25
PL.70735	PL.71192	ABC	#1/0 ACSR	7.20Y	120.0	0.01	5.01	11.89	5	234	106	91	0.02	0.0	7.706	0.045	0	0	0	10
PL.70998	PL.70735	ABC	#1/0 ACSR	7.20Y	120.0	0.02	5.02	11.78	5	231	106	91	0.03	0.0	7.793	0.087	0	0	0	9
PL.71451	PL.70998	A	#1/0 ACSR	7.20Y	120.0	0.00	5.02	1.06	0	7	2	96	0.00	0.0	7.798	0.005	0	0	0	1
PD.10651	PL.71451	A	15T	7.20Y	120.0	0.00	5.02	1.06	0	7	2	96	0.00	0.0	7.798	0.005	0	0	0	1
PL.71452	PD.10651	A	#1/0 ACSR	7.20Y	120.0	0.00	5.03	1.06	0	7	2	96	0.00	0.0	7.823	0.025	7	2	1	1
PL.71433	PL.70998	ABC	#1/0 ACSR	7.20Y	120.0	0.01	5.04	11.43	5	224	104	91	0.01	0.0	7.888	0.095	204	99	1	8

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Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.71434	PL.71433	ABC	#1/0 ACSR	7.20Y	120.0	0.00	5.04	0.94	0	20	5	97	0.00	0.0	7.893	0.005	0	0	1	7
PL.71453	PL.71434	A	#1/0 ACSR	7.20Y	120.0	0.00	5.04	2.81	1	20	5	97	0.00	0.0	7.897	0.005	0	0	0	6
PD.10652	PL.71453	A	15T	7.20Y	120.0	0.00	5.04	2.81	0	20	5	97	0.00	0.0	7.897	0.005	0	0	0	6
PL.71454	PD.10652	A	#1/0 ACSR	7.20Y	120.0	0.00	5.04	2.81	1	20	5	97	0.00	0.0	7.926	0.029	0	0	0	6
PL.71185	PL.71454	A	#4 ACSR	7.20Y	120.0	0.01	5.05	2.81	2	20	5	97	0.00	0.0	7.993	0.067	6	1	2	6
PL.71186	PL.71185	A	#4 ACSR	7.20Y	119.9	0.01	5.06	1.93	1	13	3	97	0.00	0.0	8.132	0.139	0	0	0	4
PL.70736	PL.71186	A	#2 ACSR	7.20Y	119.9	0.00	5.06	0.91	1	6	2	95	0.00	0.0	8.164	0.032	6	2	1	1
PL.71077	PL.71186	A	#4 ACSR	7.20Y	119.9	0.00	5.06	1.02	1	7	2	96	0.00	0.0	8.212	0.080	5	1	2	3
PL.70737	PL.71077	A	#4 ACSR	7.20Y	119.9	0.00	5.06	0.33	0	2	1	89	0.00	0.0	8.250	0.038	2	1	1	1
PL.71449	PL.70735	C	#1/0 ACSR	7.20Y	120.0	0.00	5.01	0.33	0	2	1	89	0.00	0.0	7.710	0.005	0	0	0	1
PD.10650	PL.71449	C	15T	7.20Y	120.0	0.00	5.01	0.33	0	2	1	89	0.00	0.0	7.710	0.005	0	0	0	1
PL.71450	PD.10650	C	#1/0 ACSR	7.20Y	120.0	0.00	5.01	0.33	0	2	1	89	0.00	0.0	7.749	0.038	2	1	1	1
PL.70734	PL.71192	ABC	#1/0 ACSR	7.20Y	120.0	0.00	5.00	2.13	1	45	11	97	0.00	0.0	7.722	0.061	7	2	2	15
PL.71187	PL.70734	ABC	#1/0 ACSR	7.20Y	120.0	0.00	5.00	1.80	1	38	9	97	0.00	0.0	7.804	0.081	7	2	1	13
PL.71188	PL.71187	ABC	#1/0 ACSR	7.20Y	120.0	0.00	5.00	1.48	1	31	8	97	0.00	0.0	7.920	0.116	3	1	1	12
PL.71189	PL.71188	ABC	#1/0 ACSR	7.20Y	120.0	0.00	5.00	1.20	1	25	6	97	0.00	0.0	7.956	0.036	0	0	1	10
PL.71190	PL.71189	ABC	#1/0 ACSR	7.20Y	120.0	0.00	5.00	1.19	1	25	6	97	0.00	0.0	8.007	0.052	0	0	0	9
PL.70999	PL.71190	ABC	#1/0 ACSR	7.20Y	120.0	0.00	5.01	0.92	0	19	5	97	0.00	0.0	8.083	0.075	0	0	0	8
PL.70738	PL.70999	ABC	#1/0 ACSR	7.20Y	120.0	0.00	5.01	0.27	0	6	1	99	0.00	0.0	8.148	0.066	0	0	0	3
PL.71447	PL.70738	A	#1/0 ACSR	7.20Y	120.0	0.00	5.01	0.81	0	6	1	99	0.00	0.0	8.153	0.005	0	0	0	3
PD.10649	PL.71447	A	15T	7.20Y	120.0	0.00	5.01	0.81	0	6	1	99	0.00	0.0	8.153	0.005	0	0	0	3
PL.71448	PD.10649	A	#1/0 ACSR	7.20Y	120.0	0.00	5.01	0.81	0	6	1	99	0.00	0.0	8.196	0.043	1	0	2	3
PL.71072	PL.71448	A	#4 ACSR	7.20Y	120.0	0.01	5.01	0.71	1	5	1	98	0.00	0.0	8.362	0.166	0	0	0	1
PL.71071	PL.71072	A	#4 ACSR	7.20Y	120.0	0.00	5.01	0.71	1	5	1	98	0.00	0.0	8.407	0.045	0	0	0	1
PL.70740	PL.71071	A	#4 ACSR	7.20Y	120.0	0.00	5.01	0.71	1	5	1	98	0.00	0.0	8.442	0.035	5	1	1	1
PL.71000	PL.70738	ABC	#1/0 ACSR	7.20Y	120.0	0.00	5.01	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	7.20Y	120.0	0.00	5.01	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	7.20Y	120.0	0.00	5.01	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	7.20Y	120.0	0.00	5.01	0.00	0	0	0	100	0.00	0.0	8.242	0.005	0	0	0	0
PL.70808	PL.70999	A	#1/0 ACSR	7.20Y	120.0	0.00	5.01	0.45	0	3	1	95	0.00	0.0	8.087	0.005	0	0	0	1
PD.10577	PL.70808	A	15T	7.20Y	120.0	0.00	5.01	0.45	0	3	1	95	0.00	0.0	8.087	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 EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.70809	PD.10577	A	#1/0 ACSR	7.20Y	120.0	0.00	5.01	0.45	0	3	1	95	0.00	0.0	8.153	0.065	3	1	1	1
PL.71445	PL.70999	B	#4 ACSR	7.20Y	120.0	0.00	5.01	1.51	1	11	3	96	0.00	0.0	8.087	0.005	0	0	0	4
PD.10648	PL.71445	B	15T	7.20Y	120.0	0.00	5.01	1.51	0	11	3	96	0.00	0.0	8.087	0.005	0	0	0	4
PL.71446	PD.10648	B	#4 ACSR	7.20Y	120.0	0.00	5.01	1.51	1	11	3	96	0.00	0.0	8.116	0.028	11	3	4	4
PL.71455	PL.71190	A	6 A (CWC)	7.20Y	120.0	0.00	5.00	0.81	1	6	1	99	0.00	0.0	8.012	0.005	0	0	0	1
PD.10653	PL.71455	A	15T	7.20Y	120.0	0.00	5.00	0.81	0	6	1	99	0.00	0.0	8.012	0.005	0	0	0	1
PL.71456	PD.10653	A	6 A (CWC)	7.20Y	120.0	0.00	5.01	0.81	1	6	1	99	0.00	0.0	8.100	0.088	6	1	1	1
PL.71457	PL.71188	C	#2 ACSR	7.20Y	120.0	0.00	5.00	0.46	0	3	1	95	0.00	0.0	7.924	0.005	0	0	0	1
PD.10654	PL.71457	C	15T	7.20Y	120.0	0.00	5.00	0.46	0	3	1	95	0.00	0.0	7.924	0.005	0	0	0	1
PL.71458	PD.10654	C	#2 ACSR	7.20Y	120.0	0.00	5.00	0.46	0	3	1	95	0.00	0.0	7.960	0.036	3	1	1	1
PL.71461	PL.70730	C	#4 ACSR	7.21Y	120.2	0.00	4.84	1.01	1	7	2	96	0.00	0.0	7.102	0.005	0	0	0	2
PD.10656	PL.71461	C	15T	7.21Y	120.2	0.00	4.84	1.01	0	7	2	96	0.00	0.0	7.102	0.005	0	0	0	2
PL.71462	PD.10656	C	#4 ACSR	7.21Y	120.2	0.00	4.84	1.01	1	7	2	96	0.00	0.0	7.139	0.037	7	2	1	2
PL.71428	PL.71462	C	#4 ACSR	7.21Y	120.2	0.00	4.84	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	7.21Y	120.2	0.00	4.84	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	7.21Y	120.2	0.00	4.84	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)	7.21Y	120.2	0.00	4.83	1.68	1	12	3	97	0.00	0.0	7.054	0.005	0	0	0	1
PD.10657	PL.71463	C	15T	7.21Y	120.2	0.00	4.83	1.68	0	12	3	97	0.00	0.0	7.054	0.005	0	0	0	1
PL.71464	PD.10657	C	6 A (CWC)	7.21Y	120.2	0.00	4.83	1.68	1	12	3	97	0.00	0.0	7.131	0.078	12	3	1	1
PL.71491	PL.71204	A	#2 ACSR	7.21Y	120.2	0.00	4.79	1.18	1	8	2	97	0.00	0.0	6.934	0.005	0	0	0	2
PD.10668	PL.71491	A	15T	7.21Y	120.2	0.00	4.79	1.18	0	8	2	97	0.00	0.0	6.934	0.005	0	0	0	2
PL.71492	PD.10668	A	#2 ACSR	7.21Y	120.2	0.00	4.79	1.18	1	8	2	97	0.00	0.0	7.006	0.072	8	2	2	2
PL.71469	PL.70721	C	#1/0 ACSR	7.22Y	120.3	0.00	4.73	1.06	0	7	2	96	0.00	0.0	6.737	0.005	0	0	0	1
PD.10660	PL.71469	C	15T	7.22Y	120.3	0.00	4.73	1.06	0	7	2	96	0.00	0.0	6.737	0.005	0	0	0	1
PL.71470	PD.10660	C	#1/0 ACSR	7.22Y	120.3	0.00	4.73	1.06	0	7	2	96	0.00	0.0	6.744	0.008	7	2	1	1
PL.71101	PL.70992	C	6 A (CWC)	7.22Y	120.3	0.00	4.71	6.37	5	45	11	97	0.00	0.0	6.685	0.005	0	0	0	15
PD.10730	PL.71101	C	15T	7.22Y	120.3	0.00	4.71	6.37	0	45	11	97	0.00	0.0	6.685	0.005	0	0	0	15
PL.70720	PD.10730	C	6 A (CWC)	7.22Y	120.3	0.01	4.72	4.69	3	33	8	97	0.00	0.0	6.717	0.031	14	3	3	12
PL.70722	PL.70720	C	6 A (CWC)	7.22Y	120.3	0.00	4.72	2.72	2	19	5	97	0.00	0.0	6.757	0.040	4	1	2	9
PL.70723	PL.70722	C	#4 ACSR	7.22Y	120.3	0.01	4.72	2.09	2	15	4	97	0.00	0.0	6.820	0.063	4	1	1	7
PL.70724	PL.70723	C	#4 ACSR	7.22Y	120.3	0.00	4.73	1.51	1	11	3	96	0.00	0.0	6.860	0.040	3	1	4	6

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Balanced Voltage Drop Report
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Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.70725	PL.70724	C	#4 ACSR	7.22Y	120.3	0.00	4.73	1.09	1	8	2	97	0.00	0.0	6.931	0.070	3	1	1	2
PL.70726	PL.70725	C	#1/0 ACSR	7.22Y	120.3	0.00	4.73	0.67	0	5	1	98	0.00	0.0	6.962	0.031	5	1	1	1
PL.70994	PL.70725	C	#4 ACSR	7.22Y	120.3	0.00	4.73	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	7.22Y	120.3	0.00	4.73	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	7.22Y	120.3	0.00	4.73	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	7.22Y	120.3	0.00	4.73	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)	7.22Y	120.3	0.00	4.71	1.68	1	12	3	97	0.00	0.0	6.709	0.023	12	3	3	3
PL.71465	PL.70993	A	#2 ACSR	7.22Y	120.3	0.00	4.68	0.27	0	2	0	100	0.00	0.0	6.620	0.005	0	0	0	1
PD.10658	PL.71465	A	15T	7.22Y	120.3	0.00	4.68	0.27	0	2	0	100	0.00	0.0	6.620	0.005	0	0	0	1
PL.71466	PD.10658	A	#2 ACSR	7.22Y	120.3	0.00	4.68	0.27	0	2	0	100	0.00	0.0	6.627	0.007	2	0	1	1
PL.71467	PL.70991	A	#1/0 ACSR	7.22Y	120.4	0.00	4.59	0.60	0	4	1	97	0.00	0.0	6.430	0.005	0	0	0	5
PD.10659	PL.71467	A	15T	7.22Y	120.4	0.00	4.59	0.60	0	4	1	97	0.00	0.0	6.430	0.005	0	0	0	5
PL.71468	PD.10659	A	#1/0 ACSR	7.22Y	120.4	0.00	4.59	0.60	0	4	1	97	0.00	0.0	6.466	0.035	4	1	5	5
PL.71471	PL.70990	C	#2 ACSR	7.23Y	120.4	0.00	4.56	2.11	1	15	4	97	0.00	0.0	6.359	0.005	0	0	0	2
PD.10661	PL.71471	C	15T	7.23Y	120.4	0.00	4.56	2.11	0	15	4	97	0.00	0.0	6.359	0.005	0	0	0	2
PL.71472	PD.10661	C	#2 ACSR	7.23Y	120.4	0.00	4.56	2.11	1	15	4	97	0.00	0.0	6.394	0.036	15	4	2	2
PL.70804	PL.70990	A	6 A (CWC)	7.23Y	120.4	0.00	4.56	4.56	3	32	8	97	0.00	0.0	6.359	0.005	0	0	0	5
PD.10575	PL.70804	A	15T	7.23Y	120.4	0.00	4.56	4.56	0	32	8	97	0.00	0.0	6.359	0.005	0	0	0	5
PL.70805	PD.10575	A	6 A (CWC)	7.23Y	120.4	0.00	4.56	4.56	3	32	8	97	0.00	0.0	6.373	0.014	6	2	1	5
PL.70716	PL.70805	A	6 A (CWC)	7.23Y	120.4	0.01	4.57	3.65	3	26	6	97	0.00	0.0	6.437	0.064	8	2	1	4
PL.71219	PL.70716	A	#4 ACSR	7.23Y	120.4	0.00	4.57	2.57	2	18	4	98	0.00	0.0	6.454	0.017	0	0	0	3
PL.71220	PL.71219	A	#4 ACSR	7.23Y	120.4	0.00	4.57	2.57	2	18	4	98	0.00	0.0	6.496	0.042	4	1	2	3
PL.70717	PL.71220	A	#1/0 ACSR	7.23Y	120.4	0.00	4.58	1.95	1	14	3	98	0.00	0.0	6.643	0.146	14	3	1	1
PL.71627	PL.71216	C	#1/0 ACSR	7.23Y	120.5	0.00	4.52	2.33	1	16	4	97	0.00	0.0	6.298	0.005	0	0	0	4
PD.10574	PL.71627	C	15T	7.23Y	120.5	0.00	4.52	2.33	0	16	4	97	0.00	0.0	6.298	0.005	0	0	0	4
PL.71628	PD.10574	C	#1/0 ACSR	7.23Y	120.5	0.00	4.52	2.33	1	16	4	97	0.00	0.0	6.310	0.012	4	1	2	4
PL.71213	PL.71628	C	#1/0 ACSR	7.23Y	120.5	0.00	4.53	1.73	1	12	3	97	0.00	0.0	6.413	0.103	0	0	0	2
PL.71065	PL.71213	C	#1/0 ACSR	7.23Y	120.5	0.00	4.53	1.73	1	12	3	97	0.00	0.0	6.528	0.115	0	0	0	2
PL.71066	PL.71065	C	#1/0 ACSR	7.23Y	120.5	0.00	4.53	1.73	1	12	3	97	0.00	0.0	6.633	0.106	6	2	1	2
PL.70715	PL.71066	C	#1/0 ACSR	7.23Y	120.5	0.00	4.53	0.81	0	6	1	99	0.00	0.0	6.739	0.106	6	1	1	1
PL.71489	PL.71118	C	6 A (CWC)	7.31Y	121.8	0.00	3.22	8.52	6	60	15	97	0.00	0.0	4.793	0.005	0	0	0	11

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Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.10667	PL.71489	C	30T	7.31Y	121.8	0.00	3.22	8.52	0	60	15	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	0.04	3.26	8.52	6	60	15	97	0.02	0.0	4.900	0.107	0	0	0	11
PL.70698	PL.71490	C	#4 ACSR	7.30Y	121.7	0.00	3.27	1.01	1	7	2	96	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	3.27	1.01	1	7	2	96	0.00	0.0	5.126	0.125	7	2	1	1
PL.70699	PL.71490	C	#4 ACSR	7.30Y	121.7	0.03	3.30	7.50	6	53	13	97	0.01	0.0	4.993	0.093	0	0	0	10
PL.71116	PL.70699	C	#4 ACSR	7.30Y	121.7	0.04	3.33	7.50	6	53	13	97	0.01	0.0	5.100	0.108	0	0	0	10
PL.71117	PL.71116	C	#4 ACSR	7.30Y	121.7	0.01	3.34	4.62	4	33	8	97	0.00	0.0	5.155	0.055	0	0	0	6
PL.71115	PL.71117	C	#4 ACSR	7.30Y	121.7	0.00	3.34	0.50	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	121.7	0.00	3.34	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	121.7	0.00	3.35	0.49	0	3	1	95	0.00	0.0	5.346	0.130	0	0	0	1
PL.70707	PL.70705	C	#4 ACSR	7.30Y	121.7	0.00	3.35	0.49	0	3	1	95	0.00	0.0	5.436	0.090	3	1	1	1
PL.70702	PL.71117	C	#4 ACSR	7.30Y	121.7	0.00	3.34	0.81	1	6	1	99	0.00	0.0	5.186	0.031	6	1	1	1
PL.71292	PL.71117	C	#4 ACSR	7.30Y	121.7	0.00	3.34	2.55	2	18	4	98	0.00	0.0	5.186	0.030	8	2	1	2
PL.71293	PL.71292	C	#4 ACSR	7.30Y	121.7	0.00	3.35	1.45	1	10	3	96	0.00	0.0	5.221	0.035	10	3	1	1
PL.70703	PL.71117	C	#4 ACSR	7.30Y	121.7	0.00	3.34	0.76	1	5	1	98	0.00	0.0	5.176	0.021	5	1	1	1
PL.70701	PL.71116	C	#4 ACSR	7.30Y	121.7	0.00	3.33	1.01	1	7	2	96	0.00	0.0	5.137	0.036	7	2	1	1
PL.70700	PL.71116	C	#4 ACSR	7.30Y	121.7	0.00	3.33	1.88	1	13	3	97	0.00	0.0	5.158	0.058	5	1	2	3
PL.70706	PL.70700	C	#1/0 ACSR	7.30Y	121.7	0.00	3.34	1.20	1	8	2	97	0.00	0.0	5.188	0.030	8	2	1	1
PL.71135	PL.70983	A	6 A (CWC)	7.35Y	122.5	0.00	2.51	14.45	10	103	25	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	2.51	14.45	0	103	25	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	2.52	4.41	3	31	8	97	0.00	0.0	4.408	0.030	7	2	2	12
PL.71300	PL.71134	A	6 A (CWC)	7.35Y	122.5	0.01	2.52	3.43	2	24	6	97	0.00	0.0	4.466	0.059	11	3	1	10
PL.71299	PL.71300	A	6 A (CWC)	7.35Y	122.5	0.00	2.53	1.83	1	13	3	97	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	2.53	1.83	1	13	3	97	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	2.54	1.32	1	9	2	98	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	2.54	1.32	1	9	2	98	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	2.55	1.32	1	9	2	98	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	2.55	0.27	0	2	0	100	0.00	0.0	4.984	0.133	2	0	4	4
PL.71121	PL.71120	A	#4 ACSR	7.35Y	122.4	0.01	2.55	1.05	1	8	2	97	0.00	0.0	4.988	0.137	0	0	0	4
PL.71114	PL.71121	A	#4 ACSR	7.35Y	122.4	0.00	2.56	0.61	0	4	1	97	0.00	0.0	5.088	0.100	4	1	2	2
PL.70956	PL.71121	A	#1/0 ACSR	7.35Y	122.4	0.00	2.55	0.44	0	3	1	95	0.00	0.0	5.022	0.034	3	1	2	2

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Balanced Voltage Drop Report
Source: Annville

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.70697	PL.71299	A	#4 ACSR	7.35Y	122.5	0.00	2.53	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	2.55	10.04	7	72	18	97	0.02	0.0	4.472	0.094	11	3	2	13
PL.71138	PL.71136	A	#4 ACSR	7.35Y	122.4	0.00	2.55	8.45	6	60	15	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	2.57	7.83	6	56	14	97	0.01	0.0	4.531	0.049	13	3	3	9
PL.70693	PL.71139	A	#4 ACSR	7.35Y	122.4	0.01	2.58	4.73	4	34	8	97	0.00	0.0	4.598	0.067	25	6	4	5
PL.70696	PL.70693	A	#1/0 ACSR	7.35Y	122.4	0.00	2.58	1.22	1	9	2	98	0.00	0.0	4.648	0.050	9	2	1	1
PL.70692	PL.71139	A	#2 ACSR	7.35Y	122.4	0.00	2.57	1.31	1	9	2	98	0.00	0.0	4.605	0.073	9	2	1	1
PL.70691	PL.71138	A	#1/0 ACSR	7.35Y	122.4	0.00	2.55	0.62	0	4	1	97	0.00	0.0	4.545	0.063	0	0	0	1
PL.70694	PL.70691	A	#1/0 ACSR	7.35Y	122.4	0.00	2.56	0.62	0	4	1	97	0.00	0.0	4.685	0.140	4	1	1	1
PL.71625	PL.71145	C	#1/0 ACSR	7.36Y	122.6	0.00	2.38	0.67	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	2.38	0.67	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	2.38	0.67	0	5	1	98	0.00	0.0	4.346	0.035	1	0	1	3
PL.71140	PL.71626	C	#1/0 ACSR	7.36Y	122.6	0.00	2.38	0.11	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	2.38	0.37	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	2.22	1.18	1	8	2	97	0.00	0.0	4.225	0.005	0	0	0	1
PD.10686	PL.71523	C	30T	7.37Y	122.8	0.00	2.22	1.18	0	8	2	97	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	2.22	1.18	1	8	2	97	0.00	0.0	4.268	0.043	8	2	1	1
CP.110	PL.71709	ABC	Cap (300)	7.42Y	123.7	0.00	1.34	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)	7.43Y	123.8	0.00	1.15	1.64	1	12	3	97	0.00	0.0	3.676	0.005	0	0	0	5
PD.10572	PL.71623	C	30T	7.43Y	123.8	0.00	1.15	1.64	0	12	3	97	0.00	0.0	3.676	0.005	0	0	0	5
PL.71624	PD.10572	C	6 A (CWC)	7.43Y	123.8	0.00	1.15	1.64	1	12	3	97	0.00	0.0	3.727	0.051	4	1	2	5
PL.71308	PL.71624	C	6 A (CWC)	7.43Y	123.8	0.00	1.16	1.12	1	8	2	97	0.00	0.0	3.792	0.066	5	1	1	3
PL.71148	PL.71308	C	6 A (CWC)	7.43Y	123.8	0.00	1.16	0.36	0	3	1	95	0.00	0.0	3.813	0.021	0	0	0	2
PL.71151	PL.71148	C	6 A (CWC)	7.43Y	123.8	0.00	1.16	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	7.43Y	123.8	0.00	1.16	0.36	0	3	1	95	0.00	0.0	3.904	0.091	3	1	1	1
PL.71529	PL.70661	B	6 A (CWC)	7.43Y	123.8	0.00	1.15	18.38	13	133	32	97	0.00	0.0	3.676	0.005	0	0	0	25
PD.10689	PL.71529	B	30T	7.43Y	123.8	0.00	1.15	18.38	0	133	32	97	0.00	0.0	3.676	0.005	0	0	0	25
PL.71530	PD.10689	B	6 A (CWC)	7.43Y	123.8	0.06	1.22	18.38	13	133	32	97	0.06	0.0	3.752	0.076	5	1	1	25
PL.71303	PL.71530	B	6 A (CWC)	7.42Y	123.7	0.10	1.32	17.66	13	127	31	97	0.10	0.1	3.879	0.127	0	0	0	24
PL.70664	PL.71303	B	#1/0 ACSR	7.42Y	123.7	0.00	1.32	1.10	0	8	2	97	0.00	0.0	3.898	0.018	0	0	0	1
PL.71525	PL.70664	B	1/0 AL URD	7.42Y	123.7	0.00	1.32	1.10	1	8	2	97	0.00	0.0	3.903	0.005	0	0	0	1

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Balanced Voltage Drop Report
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Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.10687	PL.71525	B	30T	7.42Y	123.7	0.00	1.32	1.10	0	8	2	97	0.00	0.0	3.903	0.005	0	0	0	1
PL.71526	PD.10687	B	1/0 AL URD	7.42Y	123.7	0.00	1.32	1.10	1	8	2	97	0.00	0.0	3.978	0.075	8	2	1	1
PL.71304	PL.71303	B	6 A (CWC)	7.42Y	123.7	0.03	1.35	16.56	12	119	29	97	0.03	0.0	3.919	0.040	8	2	1	23
PL.71305	PL.71304	B	6 A (CWC)	7.42Y	123.6	0.05	1.39	15.45	11	111	27	97	0.04	0.0	3.986	0.066	0	0	0	22
PL.70665	PL.71305	B	#4 ACSR	7.41Y	123.6	0.03	1.43	15.45	12	111	27	97	0.03	0.0	4.033	0.047	7	2	1	22
PL.71152	PL.70665	B	#4 ACSR	7.41Y	123.5	0.05	1.48	14.51	11	104	26	97	0.04	0.0	4.111	0.078	0	0	1	21
PL.71153	PL.71152	B	#4 ACSR	7.41Y	123.4	0.09	1.56	13.50	10	97	24	97	0.06	0.1	4.261	0.151	3	1	1	19
PL.70667	PL.71153	B	#4 ACSR	7.41Y	123.4	0.00	1.56	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	123.4	0.00	1.56	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	7.40Y	123.4	0.05	1.62	13.08	10	94	23	97	0.04	0.0	4.353	0.091	7	2	1	16
PL.71241	PL.71240	B	#4 ACSR	7.40Y	123.3	0.05	1.67	12.12	9	87	21	97	0.03	0.0	4.456	0.103	11	3	2	15
PL.71253	PL.71241	B	#4 ACSR	7.40Y	123.3	0.03	1.70	10.57	8	76	19	97	0.02	0.0	4.537	0.081	11	3	1	13
PL.71254	PL.71253	B	#4 ACSR	7.39Y	123.2	0.05	1.76	9.07	7	65	16	97	0.03	0.0	4.681	0.144	6	2	1	12
PL.70669	PL.71254	B	6 A (CWC)	7.39Y	123.2	0.02	1.78	8.17	6	59	14	97	0.01	0.0	4.742	0.061	12	3	2	11
PL.70670	PL.70669	B	#4 ACSR	7.39Y	123.2	0.00	1.78	2.55	2	18	4	98	0.00	0.0	4.774	0.032	18	4	3	3
PL.70671	PL.70669	B	6 A (CWC)	7.39Y	123.2	0.01	1.79	3.91	3	28	7	97	0.00	0.0	4.815	0.073	0	0	0	6
PL.70672	PL.70671	B	#1/0 ACSR	7.39Y	123.2	0.00	1.79	0.99	0	7	2	96	0.00	0.0	4.842	0.027	7	2	1	1
PL.71244	PL.70671	B	6 A (CWC)	7.39Y	123.2	0.00	1.80	2.92	2	21	5	97	0.00	0.0	4.855	0.040	3	1	1	5
PL.71245	PL.71244	B	6 A (CWC)	7.39Y	123.2	0.00	1.80	2.50	2	18	4	98	0.00	0.0	4.890	0.035	7	2	2	4
PL.70673	PL.71245	B	#4 ACSR	7.39Y	123.2	0.00	1.80	1.54	1	11	3	96	0.00	0.0	4.909	0.019	11	3	2	2
PL.70666	PL.71152	B	#4 ACSR	7.41Y	123.5	0.00	1.48	0.98	1	7	2	96	0.00	0.0	4.189	0.078	7	2	1	1
PL.71531	PL.70666	A	6 A (CWC)	7.45Y	124.1	0.00	0.86	1.11	1	8	2	97	0.00	0.0	3.539	0.005	0	0	0	1
PD.10690	PL.71531	A	30T	7.45Y	124.1	0.00	0.86	1.11	0	8	2	97	0.00	0.0	3.539	0.005	0	0	0	1
PL.71532	PD.10690	A	6 A (CWC)	7.45Y	124.1	0.00	0.86	1.11	1	8	2	97	0.00	0.0	3.562	0.023	8	2	1	1
PL.71533	PL.71536	C	#4 ACSR	7.09Y	118.2	0.00	6.82	1.22	1	8	2	97	0.00	0.0	3.420	0.005	0	0	0	1
PD.10692	PL.71533	C	30T	7.09Y	118.2	0.00	6.82	1.22	0	8	2	97	0.00	0.0	3.420	0.005	0	0	0	1
PL.71534	PD.10692	C	#4 ACSR	7.09Y	118.2	0.00	6.82	1.22	1	8	2	97	0.00	0.0	3.471	0.050	8	2	1	1
PL.71537	PL.70657	C	#4 ACSR	7.14Y	119.0	0.00	5.98	1.77	1	12	3	97	0.00	0.0	3.050	0.005	0	0	0	2
PD.10693	PL.71537	C	30T	7.14Y	119.0	0.00	5.98	1.77	0	12	3	97	0.00	0.0	3.050	0.005	0	0	0	2
PL.71538	PD.10693	C	#4 ACSR	7.14Y	119.0	0.01	5.98	1.77	1	12	3	97	0.00	0.0	3.146	0.096	5	1	1	2
PL.71326	PL.71538	C	#4 ACSR	7.14Y	119.0	0.00	5.99	1.05	1	7	2	96	0.00	0.0	3.200	0.054	0	0	0	1

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Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.70675	PL.71326	C	#4 ACSR	7.14Y	119.0	0.00	5.99	1.05	1	7	2	96	0.00	0.0	3.275	0.075	7	2	1	1
PL.71547	PL.71322	B	#4 ACSR	7.17Y	119.6	0.00	5.44	0.05	0	0	0	100	0.00	0.0	2.819	0.005	0	0	0	1
PD.10698	PL.71547	B	30T	7.17Y	119.6	0.00	5.44	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	7.17Y	119.6	0.00	5.44	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	7.23Y	120.5	0.03	4.51	15.27	7	107	26	97	0.02	0.0	2.462	0.091	9	2	1	15
PL.70637	PL.70636	A	#1/0 ACSR	7.23Y	120.5	0.00	4.51	14.01	6	98	24	97	0.00	0.0	2.467	0.005	0	0	0	14
PD.10570	PL.70637	A	65T	7.23Y	120.5	0.00	4.51	14.01	0	98	24	97	0.00	0.0	2.467	0.005	0	0	0	14
PL.71035	PD.10570	A	#1/0 ACSR	7.23Y	120.4	0.04	4.55	12.51	5	88	22	97	0.02	0.0	2.612	0.146	0	0	0	13
PL.70641	PL.71035	A	#4 ACSR	7.22Y	120.4	0.04	4.59	9.69	7	68	17	97	0.02	0.0	2.708	0.096	0	0	0	10
PL.70642	PL.70641	A	#4 ACSR	7.22Y	120.4	0.00	4.59	2.56	2	18	4	98	0.00	0.0	2.733	0.025	18	4	2	2
PL.70643	PL.70641	A	#4 ACSR	7.22Y	120.4	0.01	4.60	3.93	3	28	7	97	0.00	0.0	2.779	0.071	7	2	1	4
PL.70645	PL.70643	A	#4 ACSR	7.22Y	120.4	0.00	4.61	2.88	2	20	5	97	0.00	0.0	2.797	0.018	0	0	0	3
PL.70646	PL.70645	A	#4 ACSR	7.22Y	120.4	0.00	4.61	1.68	1	12	3	97	0.00	0.0	2.824	0.027	12	3	1	1
PL.70981	PL.70645	A	#4 ACSR	7.22Y	120.4	0.00	4.61	1.20	1	8	2	97	0.00	0.0	2.898	0.101	1	0	1	2
PL.70647	PL.70981	A	#1/0 ACSR	7.22Y	120.4	0.00	4.61	1.00	0	7	2	96	0.00	0.0	3.020	0.122	7	2	1	1
PL.71033	PL.70641	A	#4 ACSR	7.22Y	120.4	0.00	4.60	3.21	2	22	6	96	0.00	0.0	2.747	0.038	9	2	2	4
PL.70644	PL.71033	A	#4 ACSR	7.22Y	120.4	0.00	4.60	1.89	1	13	3	97	0.00	0.0	2.796	0.049	0	0	0	2
PL.71045	PL.70644	A	#4 ACSR	7.22Y	120.4	0.01	4.61	1.89	1	13	3	97	0.00	0.0	2.944	0.148	13	3	2	2
PL.70640	PL.71035	A	#4 ACSR	7.23Y	120.4	0.00	4.55	2.82	2	20	5	97	0.00	0.0	2.660	0.047	20	5	3	3
PL.70638	PD.10570	A	#1/0 ACSR	7.23Y	120.5	0.00	4.51	1.50	1	11	3	96	0.00	0.0	2.510	0.043	11	3	1	1
PL.71431	PL.71687	ABC	#4 ACSR	7.23Y	120.5	0.02	4.50	8.36	6	173	56	95	0.02	0.0	2.428	0.057	14	3	1	8
PL.71432	PL.71431	ABC	#4 ACSR	7.23Y	120.5	0.01	4.50	7.71	6	159	53	95	0.01	0.0	2.459	0.031	3	1	1	7
PL.71319	PL.71432	ABC	#4 ACSR	7.23Y	120.5	0.01	4.51	7.57	6	156	52	95	0.01	0.0	2.505	0.046	114	42	3	6
PL.70639	PL.71319	B	#4 ACSR	7.23Y	120.5	0.01	4.53	5.94	5	42	10	97	0.00	0.0	2.554	0.049	2	1	1	3
PL.71541	PL.70639	B	#1/0 ACSR	7.23Y	120.5	0.00	4.53	5.63	2	40	10	97	0.00	0.0	2.570	0.016	0	0	0	2
PD.10695	PL.71541	B	65T	7.23Y	120.5	0.00	4.53	5.63	0	40	10	97	0.00	0.0	2.570	0.016	0	0	0	2
PL.71542	PD.10695	B	#1/0 ACSR	7.23Y	120.5	0.01	4.53	5.63	2	40	10	97	0.00	0.0	2.632	0.062	29	7	1	2
PL.71312	PL.71542	B	#1/0 ACSR	7.23Y	120.5	0.00	4.53	1.49	1	10	3	96	0.00	0.0	2.655	0.022	10	3	1	1
PL.70630	PL.70978	C	#1/0 ACSR	7.25Y	120.8	0.00	4.19	19.05	8	134	33	97	0.00	0.0	2.187	0.005	0	0	0	9
PD.10676	PL.70630	C	65T	7.25Y	120.8	0.00	4.19	19.05	0	134	33	97	0.00	0.0	2.187	0.005	0	0	0	9
PL.71034	PD.10676	C	#1/0 ACSR	7.25Y	120.8	0.00	4.19	2.49	1	18	4	98	0.00	0.0	2.228	0.041	18	4	2	2

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Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.70631	PD.10676	C	#4 ACSR	7.25Y	120.8	0.04	4.23	16.56	13	117	29	97	0.04	0.0	2.248	0.060	0	0	0	7
PL.70633	PL.70631	C	#4 ACSR	7.25Y	120.8	0.01	4.24	16.56	13	117	29	97	0.01	0.0	2.277	0.029	87	21	2	7
PL.71272	PL.70633	C	#4 ACSR	7.25Y	120.8	0.00	4.24	2.46	2	17	4	97	0.00	0.0	2.296	0.019	12	3	2	4
PL.71273	PL.71272	C	#4 ACSR	7.25Y	120.8	0.00	4.25	0.78	1	5	1	98	0.00	0.0	2.351	0.055	3	1	1	2
PL.70635	PL.71273	C	#4 ACSR	7.25Y	120.8	0.00	4.25	0.32	0	2	1	89	0.00	0.0	2.483	0.132	2	1	1	1
PL.70634	PL.70633	C	#4 ACSR	7.25Y	120.8	0.00	4.24	1.77	1	12	3	97	0.00	0.0	2.310	0.033	12	3	1	1
PL.71605	PL.70629	C	#1/0 ACSR	7.26Y	121.0	0.00	3.96	0.70	0	5	1	98	0.00	0.0	2.048	0.004	0	0	0	1
PD.10731	PL.71605	C	65T	7.26Y	121.0	0.00	3.96	0.70	0	5	1	98	0.00	0.0	2.048	0.004	0	0	0	1
PL.71606	PD.10731	C	#1/0 ACSR	7.26Y	121.0	0.00	3.96	0.70	0	5	1	98	0.00	0.0	2.063	0.015	5	1	1	1
PL.71613	PL.71708	C	#4 ACSR	7.28Y	121.4	0.00	3.63	20.97	16	148	36	97	0.00	0.0	1.851	0.004	0	0	0	30
PD.10736	PL.71613	C	65T	7.28Y	121.4	0.00	3.63	20.97	0	148	36	97	0.00	0.0	1.851	0.004	0	0	0	30
PL.71614	PD.10736	C	#4 ACSR	7.28Y	121.3	0.04	3.67	20.97	16	148	36	97	0.04	0.0	1.894	0.043	13	3	2	30
PL.71261	PL.71614	C	#4 ACSR	7.28Y	121.3	0.07	3.74	19.17	15	136	33	97	0.07	0.1	1.975	0.082	0	0	0	28
PL.71274	PL.71261	C	#4 ACSR	7.27Y	121.2	0.03	3.77	19.17	15	135	33	97	0.03	0.0	2.013	0.037	11	3	3	28
PL.71275	PL.71274	C	#4 ACSR	7.27Y	121.2	0.02	3.80	17.58	14	124	30	97	0.02	0.0	2.051	0.038	43	11	9	25
PL.71257	PL.71275	C	#4 ACSR	7.27Y	121.2	0.03	3.83	10.55	8	75	18	97	0.02	0.0	2.121	0.070	6	1	1	12
PL.71258	PL.71257	C	#4 ACSR	7.27Y	121.1	0.03	3.85	9.70	7	68	17	97	0.01	0.0	2.187	0.066	15	4	4	11
PL.71162	PL.71258	C	#4 ACSR	7.27Y	121.1	0.01	3.86	7.55	6	53	13	97	0.00	0.0	2.215	0.028	0	0	0	7
PL.70627	PL.71162	C	#1/0 ACSR	7.27Y	121.1	0.00	3.86	1.93	1	14	3	98	0.00	0.0	2.240	0.025	14	3	2	2
PL.71259	PL.71162	C	#4 ACSR	7.27Y	121.1	0.01	3.87	5.62	4	40	10	97	0.00	0.0	2.244	0.029	5	1	1	5
PL.71260	PL.71259	C	#4 ACSR	7.27Y	121.1	0.01	3.87	4.84	4	34	8	97	0.00	0.0	2.271	0.027	7	2	1	4
PL.71255	PL.71260	C	#4 ACSR	7.27Y	121.1	0.00	3.88	3.86	3	27	7	97	0.00	0.0	2.288	0.017	13	3	1	3
PL.71256	PL.71255	C	#4 ACSR	7.27Y	121.1	0.00	3.88	2.08	2	15	4	97	0.00	0.0	2.309	0.021	6	2	1	2
PL.70628	PL.71256	C	#1/0 ACSR	7.27Y	121.1	0.00	3.88	1.16	1	8	2	97	0.00	0.0	2.340	0.031	8	2	1	1
PL.70626	PL.71275	C	#2 ACSR	7.27Y	121.2	0.00	3.80	0.89	1	6	2	95	0.00	0.0	2.064	0.014	6	2	4	4
CP.109	PL.71707	ABC	Cap (300)	7.29Y	121.5	0.00	3.52	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	7.29Y	121.6	0.00	3.43	5.78	4	41	10	97	0.00	0.0	1.738	0.004	0	0	0	10
PD.10735	PL.71611	A	65T	7.29Y	121.6	0.00	3.43	5.78	0	41	10	97	0.00	0.0	1.738	0.004	0	0	0	10
PL.71612	PD.10735	A	#4 ACSR	7.29Y	121.6	0.01	3.44	5.78	4	41	10	97	0.00	0.0	1.790	0.052	26	6	3	10
PL.70624	PL.71612	A	#4 ACSR	7.29Y	121.6	0.00	3.45	2.07	2	15	4	97	0.00	0.0	1.836	0.046	7	2	6	7
PL.70625	PL.70624	A	#4 ACSR	7.29Y	121.6	0.00	3.45	1.05	1	7	2	96	0.00	0.0	1.850	0.013	7	2	1	1

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Balanced Voltage Drop Report
Source: Annville

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----			
																KW	KVAR	Cons On	Cons Thru	
PL.71497	PL.71250	C	#2 ACSR	7.30Y	121.6	0.00	3.39	6.59	4	47	11	97	0.00	0.0	1.715	0.004	0	0	0	13
PD.10671	PL.71497	C	65T	7.30Y	121.6	0.00	3.39	6.59	0	47	11	97	0.00	0.0	1.715	0.004	0	0	0	13
PL.71498	PD.10671	C	#2 ACSR	7.30Y	121.6	0.01	3.40	6.59	4	47	11	97	0.00	0.0	1.757	0.042	0	0	0	13
PL.70622	PL.71498	C	#2 ACSR	7.30Y	121.6	0.00	3.40	1.52	1	11	3	96	0.00	0.0	1.770	0.014	11	3	7	7
PL.71164	PL.71498	C	#2 ACSR	7.30Y	121.6	0.00	3.40	5.07	3	36	9	97	0.00	0.0	1.786	0.029	6	2	1	6
PL.71032	PL.71164	C	#2 ACSR	7.30Y	121.6	0.00	3.41	2.81	2	20	5	97	0.00	0.0	1.810	0.025	20	5	4	4
PL.70623	PL.71164	C	#1/0 ACSR	7.30Y	121.6	0.00	3.41	1.38	1	10	2	98	0.00	0.0	1.824	0.039	10	2	1	1
PL.71609	PL.70972	B	#4 ACSR	7.30Y	121.7	0.00	3.30	14.20	11	101	25	97	0.00	0.0	1.664	0.004	0	0	0	20
PD.10734	PL.71609	B	65T	7.30Y	121.7	0.00	3.30	14.20	0	101	25	97	0.00	0.0	1.664	0.004	0	0	0	20
PL.71610	PD.10734	B	#4 ACSR	7.30Y	121.7	0.02	3.32	14.20	11	101	25	97	0.01	0.0	1.692	0.028	11	3	2	20
PL.71246	PL.71610	B	#4 ACSR	7.30Y	121.6	0.03	3.35	12.62	10	90	22	97	0.02	0.0	1.751	0.059	7	2	2	18
PL.71247	PL.71246	B	#4 ACSR	7.30Y	121.6	0.02	3.37	11.62	9	82	20	97	0.01	0.0	1.796	0.045	16	4	4	16
PL.71248	PL.71247	B	#4 ACSR	7.30Y	121.6	0.01	3.38	9.34	7	66	16	97	0.00	0.0	1.813	0.017	0	0	0	12
PL.71030	PL.71248	B	#4 ACSR	7.30Y	121.6	0.00	3.38	1.03	1	7	2	96	0.00	0.0	1.860	0.046	7	2	1	1
PL.70617	PL.71248	B	#4 ACSR	7.30Y	121.6	0.01	3.39	8.31	6	59	14	97	0.01	0.0	1.859	0.045	15	4	3	11
PL.70618	PL.70617	B	#4 ACSR	7.30Y	121.6	0.01	3.41	6.22	5	44	11	97	0.00	0.0	1.904	0.045	6	2	2	8
PL.70619	PL.70618	B	#4 ACSR	7.29Y	121.6	0.01	3.42	5.33	4	38	9	97	0.00	0.0	1.950	0.046	0	0	0	6
PL.71242	PL.70619	B	#4 ACSR	7.29Y	121.6	0.00	3.42	4.54	3	32	8	97	0.00	0.0	1.965	0.016	11	3	2	5
PL.71243	PL.71242	B	#4 ACSR	7.29Y	121.6	0.00	3.42	3.01	2	21	5	97	0.00	0.0	1.987	0.022	14	3	2	3
PL.70620	PL.71243	B	#1/0 ACSR	7.29Y	121.6	0.00	3.42	1.00	0	7	2	96	0.00	0.0	2.022	0.035	7	2	1	1
PL.71031	PL.70619	B	#4 ACSR	7.29Y	121.6	0.00	3.42	0.79	1	6	1	99	0.00	0.0	1.972	0.022	6	1	1	1
PL.71495	PL.70972	A	#4 ACSR	7.30Y	121.7	0.00	3.30	5.04	4	36	9	97	0.00	0.0	1.664	0.004	0	0	0	6
PD.10670	PL.71495	A	65T	7.30Y	121.7	0.00	3.30	5.04	0	36	9	97	0.00	0.0	1.664	0.004	0	0	0	6
PL.71496	PD.10670	A	#4 ACSR	7.30Y	121.7	0.01	3.31	5.04	4	36	9	97	0.00	0.0	1.734	0.069	36	9	6	6
PL.71592	PL.70965	A	#1/0 ACSR	7.32Y	122.1	0.00	2.93	2.41	1	17	4	97	0.00	0.0	1.466	0.004	0	0	0	3
PD.10721	PL.71592	A	65T	7.32Y	122.1	0.00	2.93	2.41	0	17	4	97	0.00	0.0	1.466	0.004	0	0	0	3
PL.71591	PD.10721	A	#1/0 ACSR	7.32Y	122.1	0.00	2.93	2.41	1	17	4	97	0.00	0.0	1.479	0.013	17	4	3	3
PL.71589	PL.71073	C	#4 ACSR	7.33Y	122.2	0.00	2.83	0.89	1	6	2	95	0.00	0.0	1.420	0.004	0	0	0	1
PD.10720	PL.71589	C	65T	7.33Y	122.2	0.00	2.83	0.89	0	6	2	95	0.00	0.0	1.420	0.004	0	0	0	1
PL.71590	PD.10720	C	#4 ACSR	7.33Y	122.2	0.00	2.83	0.89	1	6	2	95	0.00	0.0	1.461	0.041	6	2	1	1
PL.70593	PL.71040	ABC	#1/0 ACSR	7.45Y	124.2	0.00	0.81	0.00	0	0	0	100	0.00	0.0	0.521	0.082	0	0	0	1

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Balanced Voltage Drop Report
Source: Annville

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.70954	PL.70593	ABC	#1/0 ACSR	7.45Y	124.2	0.00	0.81	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	9.13	2	199	49	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	9.13	2	199	49	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	9.13	0	199	49	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	9.13	2	199	49	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	9.13	2	199	49	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	27.29	19	199	49	97	0.00	0.0	0.252	0.003	0	0	0	47
PD.10778	PL.72216	C	50L	7.50Y	125.0	0.00	0.01	27.29	55	199	49	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	0.01	1.20	1	9	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	1.20	1	9	2	98	0.00	0.0	0.303	0.025	9	2	2	2
PL.72450	PD.10778	C	6 A (CWC)	7.50Y	124.9	0.04	0.05	26.09	19	190	47	97	0.05	0.0	0.285	0.033	1	0	4	45
PL.72462	PL.72450	C	6 A (CWC)	7.49Y	124.9	0.04	0.09	25.94	19	189	47	97	0.06	0.0	0.320	0.035	2	0	1	41
PL.72463	PL.72462	C	6 A (CWC)	7.49Y	124.9	0.04	0.13	25.71	18	187	46	97	0.05	0.0	0.353	0.033	2	0	1	40
PL.72464	PL.72463	C	6 A (CWC)	7.49Y	124.8	0.10	0.23	25.46	18	185	46	97	0.14	0.1	0.439	0.086	0	0	0	39
PL.72465	PL.72464	C	6 A (CWC)	7.48Y	124.7	0.11	0.34	25.46	18	185	46	97	0.15	0.1	0.534	0.095	0	0	0	39
PL.72218	PL.72465	C	6 A (CWC)	7.47Y	124.5	0.12	0.46	25.46	18	185	46	97	0.16	0.1	0.638	0.104	0	0	0	39
PL.72249	PL.72218	C	6 A (CWC)	7.46Y	124.3	0.20	0.67	24.43	17	177	44	97	0.27	0.2	0.822	0.184	0	0	0	38
PL.72453	PL.72249	C	6 A (CWC)	7.45Y	124.2	0.09	0.76	24.43	17	177	44	97	0.12	0.1	0.906	0.084	0	0	0	38
PL.72221	PL.72453	C	6 A (CWC)	7.45Y	124.2	0.04	0.80	8.20	6	59	15	97	0.02	0.0	1.010	0.104	4	1	2	13
PL.72220	PL.72221	C	6 A (CWC)	7.45Y	124.2	0.01	0.80	2.12	2	15	4	97	0.00	0.0	1.086	0.077	6	1	1	3
PL.72226	PL.72220	C	#1/0 ACSR	7.45Y	124.2	0.00	0.80	1.30	1	9	2	98	0.00	0.0	1.202	0.116	0	0	0	2
PL.72246	PL.72226	C	#1/0 ACSR	7.45Y	124.2	0.00	0.81	1.30	1	9	2	98	0.00	0.0	1.263	0.061	9	2	2	2
PL.72250	PL.72221	C	6 A (CWC)	7.45Y	124.2	0.01	0.80	2.71	2	20	5	97	0.00	0.0	1.082	0.073	5	1	3	6
PL.72223	PL.72250	C	#1/0 ACSR	7.45Y	124.2	0.00	0.80	1.95	1	14	3	98	0.00	0.0	1.119	0.037	0	0	0	3
PL.72224	PL.72223	C	#1/0 ACSR	7.45Y	124.2	0.00	0.80	1.50	1	11	3	96	0.00	0.0	1.146	0.027	11	3	1	1
PL.72459	PL.72223	C	#1/0 ACSR	7.45Y	124.2	0.00	0.80	0.45	0	3	1	95	0.00	0.0	1.155	0.036	0	0	1	2
PL.72460	PL.72459	C	#1/0 ACSR	7.45Y	124.2	0.00	0.81	0.45	0	3	1	95	0.00	0.0	1.273	0.118	0	0	0	1
PL.72251	PL.72460	C	#1/0 ACSR	7.45Y	124.2	0.00	0.81	0.00	0	0	0	100	0.00	0.0	1.329	0.055	0	0	0	0

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Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.72225	PL.72460	C	#1/0 ACSR	7.45Y	124.2	0.00	0.81	0.45	0	3	1	95	0.00	0.0	1.320	0.047	3	1	1	1
PL.72222	PL.72221	C	#4 ACSR	7.45Y	124.2	0.00	0.80	2.88	2	21	5	97	0.00	0.0	1.035	0.025	21	5	2	2
PL.72227	PL.72453	C	6 A (CWC)	7.45Y	124.1	0.14	0.90	16.23	12	117	29	97	0.12	0.1	1.093	0.187	0	0	0	25
PL.72454	PL.72227	C	6 A (CWC)	7.44Y	124.0	0.07	0.97	16.23	12	117	29	97	0.06	0.1	1.188	0.095	0	0	0	25
PL.72228	PL.72454	C	#1/0 ACSR	7.44Y	124.0	0.00	0.97	0.58	0	4	1	97	0.00	0.0	1.235	0.047	4	1	1	1
PL.72466	PL.72454	C	6 A (CWC)	7.44Y	124.0	0.07	1.03	15.66	11	113	28	97	0.06	0.0	1.283	0.096	3	1	1	24
PL.72467	PL.72466	C	6 A (CWC)	7.44Y	124.0	0.01	1.05	15.27	11	110	27	97	0.01	0.0	1.302	0.019	0	0	0	23
PL.72252	PL.72467	C	6 A (CWC)	7.43Y	123.9	0.06	1.11	14.44	10	104	26	97	0.05	0.0	1.396	0.093	0	0	0	21
PL.72456	PL.72252	C	6 A (CWC)	7.43Y	123.8	0.06	1.17	14.44	10	104	26	97	0.05	0.0	1.494	0.098	0	0	0	21
PL.72253	PL.72456	C	6 A (CWC)	7.42Y	123.7	0.09	1.27	12.91	9	93	23	97	0.07	0.1	1.655	0.162	0	0	0	20
PL.72471	PL.72253	C	6 A (CWC)	7.42Y	123.7	0.05	1.31	11.12	8	80	20	97	0.03	0.0	1.745	0.090	0	0	1	17
PL.72472	PL.72471	C	6 A (CWC)	7.42Y	123.7	0.01	1.32	11.12	8	80	20	97	0.01	0.0	1.774	0.029	0	0	0	16
PL.72254	PL.72472	C	6 A (CWC)	7.42Y	123.6	0.08	1.40	10.81	8	78	19	97	0.04	0.1	1.931	0.157	0	0	0	15
PL.72234	PL.72254	C	6 A (CWC)	7.41Y	123.6	0.05	1.45	10.81	8	78	19	97	0.03	0.0	2.025	0.094	0	0	0	15
PL.72476	PL.72234	C	6 A (CWC)	7.41Y	123.5	0.01	1.45	1.88	1	14	3	98	0.00	0.0	2.120	0.095	7	2	1	2
PL.72477	PL.72476	C	6 A (CWC)	7.41Y	123.5	0.00	1.46	0.96	1	7	2	96	0.00	0.0	2.166	0.046	7	2	1	1
PL.72255	PL.72234	C	6 A (CWC)	7.41Y	123.5	0.04	1.49	8.93	6	64	16	97	0.02	0.0	2.121	0.096	0	0	0	13
PL.72480	PL.72255	C	6 A (CWC)	7.41Y	123.5	0.00	1.49	8.93	6	64	16	97	0.00	0.0	2.126	0.005	0	0	0	13
PD.10776	PL.72480	C	20T	7.41Y	123.5	0.00	1.49	8.93	0	64	16	97	0.00	0.0	2.126	0.005	0	0	0	13
PL.72481	PD.10776	C	6 A (CWC)	7.41Y	123.5	0.04	1.53	8.93	6	64	16	97	0.02	0.0	2.222	0.096	0	0	0	13
PL.72458	PL.72481	C	6 A (CWC)	7.41Y	123.4	0.04	1.57	8.93	6	64	16	97	0.02	0.0	2.316	0.095	0	0	0	13
PL.72457	PL.72458	C	6 A (CWC)	7.40Y	123.4	0.08	1.64	8.93	6	64	16	97	0.04	0.1	2.504	0.187	0	0	0	13
PL.72235	PL.72457	C	#1/0 ACSR	7.40Y	123.4	0.00	1.64	2.09	1	15	4	97	0.00	0.0	2.515	0.011	15	4	2	2
PL.72237	PL.72457	C	6 A (CWC)	7.40Y	123.3	0.03	1.67	6.83	5	49	12	97	0.01	0.0	2.598	0.094	0	0	0	10
PL.72238	PL.72237	C	6 A (CWC)	7.40Y	123.3	0.03	1.70	5.61	4	40	10	97	0.01	0.0	2.713	0.115	0	0	1	9
PL.72239	PL.72238	C	6 A (CWC)	7.40Y	123.3	0.00	1.71	2.70	2	19	5	97	0.00	0.0	2.759	0.046	5	1	1	3
PL.72240	PL.72239	C	#1/0 ACSR	7.40Y	123.3	0.01	1.71	1.97	1	14	3	98	0.00	0.0	2.931	0.172	0	0	0	2
PL.72241	PL.72240	C	#1/0 ACSR	7.40Y	123.3	0.00	1.71	0.67	0	5	1	98	0.00	0.0	2.991	0.060	5	1	1	1
PL.72448	PL.72240	C	#1/0 ACSR	7.40Y	123.3	0.00	1.71	1.31	1	9	2	98	0.00	0.0	3.022	0.091	9	2	1	1
PL.72449	PL.72238	C	6 A (CWC)	7.40Y	123.3	0.01	1.71	2.91	2	21	5	97	0.00	0.0	2.817	0.104	0	0	0	5
PL.72473	PL.72449	C	6 A (CWC)	7.40Y	123.3	0.00	1.72	2.91	2	21	5	97	0.00	0.0	2.835	0.018	6	1	1	5

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Balanced Voltage Drop Report
Source: Annville

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

Units Displayed In Volts																					
-Base Voltage:120.0-																					
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----			Cons On	Cons Thru
PL.72474	PL.72473	C	6 A (CWC)	7.40Y	123.3	0.00	1.72	2.07	1	15	4	97	0.00	0.0	2.889	0.054	8	2	2	4	
PL.72475	PL.72474	C	6 A (CWC)	7.40Y	123.3	0.00	1.72	0.94	1	7	2	96	0.00	0.0	2.940	0.052	0	0	0	2	
PL.72256	PL.72475	C	6 A (CWC)	7.40Y	123.3	0.00	1.72	0.23	0	2	0	100	0.00	0.0	2.986	0.046	0	0	0	1	
PL.72244	PL.72256	C	#4 ACSR	7.40Y	123.3	0.00	1.72	0.23	0	2	0	100	0.00	0.0	3.024	0.038	0	0	0	1	
PL.72245	PL.72244	C	6 A (CWC)	7.40Y	123.3	0.00	1.72	0.23	0	2	0	100	0.00	0.0	3.083	0.059	2	0	1	1	
PL.72242	PL.72475	C	#2 ACSR	7.40Y	123.3	0.00	1.72	0.70	0	5	1	98	0.00	0.0	3.001	0.061	0	0	0	1	
PL.72243	PL.72242	C	#1/0 ACSR	7.40Y	123.3	0.00	1.72	0.70	0	5	1	98	0.00	0.0	3.033	0.032	5	1	1	1	
PL.72478	PL.72237	C	#1/0 ACSR	7.40Y	123.3	0.00	1.67	1.22	1	9	2	98	0.00	0.0	2.603	0.005	0	0	0	1	
PD.10775	PL.72478	C	20T	7.40Y	123.3	0.00	1.67	1.22	0	9	2	98	0.00	0.0	2.603	0.005	0	0	0	1	
PL.72479	PD.10775	C	#1/0 ACSR	7.40Y	123.3	0.00	1.67	1.22	1	9	2	98	0.00	0.0	2.652	0.049	9	2	1	1	
PL.72236	PL.72457	C	6 A (CWC)	7.40Y	123.4	0.00	1.64	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	7.42Y	123.7	0.00	1.33	0.31	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	123.7	0.00	1.27	1.77	1	13	3	97	0.00	0.0	1.717	0.061	13	3	2	2	
PL.72232	PL.72253	C	6 A (CWC)	7.42Y	123.7	0.00	1.27	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	123.7	0.00	1.27	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)	7.43Y	123.8	0.00	1.17	1.53	1	11	3	96	0.00	0.0	1.538	0.044	11	3	1	1	
PL.72469	PL.72467	C	#4 ACSR	7.44Y	124.0	0.00	1.05	0.83	1	6	1	99	0.00	0.0	1.396	0.093	0	0	1	2	
PL.72470	PL.72469	C	#4 ACSR	7.44Y	124.0	0.00	1.05	0.77	1	6	1	99	0.00	0.0	1.439	0.044	6	1	1	1	
PL.72468	PL.72470	C	#4 ACSR	7.44Y	124.0	0.00	1.05	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	7.44Y	124.0	0.00	1.05	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	0.46	1.03	1	7	2	96	0.00	0.0	0.701	0.063	7	2	1	1	
PL.72482	PL.72214	A	6 A (CWC)	7.50Y	125.0	0.00	0.01	0.12	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	0.12	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	0.12	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	0.10	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	0.10	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	0.10	0	1	0	100	0.00	0.0	0.551	0.098	0	0	0	3	
PL.72452	PL.72248	A	6 A (CWC)	7.50Y	125.0	0.00	0.01	0.10	0	1	0	100	0.00	0.0	0.663	0.112	1	0	3	3	

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Balanced Voltage Drop Report
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Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Co-op - McKee, Kentucky
Case: 2009 Existing Conditions

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	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load	Losses	Total	
KW	8472	0	0	0	0	0	294		0.00	8765	Lowest Voltage = 117.21 on Element PL.72093
KVAR	2414	0	0	-18	0	0	480			2875	Max Accm VoltD = 7.79 on Element PL.72093 Max Elem VoltD = 0.40 on Element PL.70658