

Balanced Voltage Drop Report
Source: Laurel Ind 1

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - 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
Laurel Ind 1		ABC	SRC-Laurel	7.50Y	125.0	0.00	0.00	449.15	0	9601	3155	95	0.00	0.0	0.000	0.000	0	0	0	658
PL.52995	Laurel Ind 1	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	102.31	20	2267	399	98	0.01	0.0	0.005	0.005	0	0	0	2
PL.61371	PL.52995	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	102.31	20	2267	399	98	0.00	0.0	0.007	0.003	0	0	0	2
----- Feeder No. 2 (Laurel Ind F2) Beginning with Device PD.9263 -----																				
PD.9263	PL.61371	ABC	480VWE	7.50Y	125.0	0.00	0.00	102.31	0	2267	399	98	0.00	0.0	0.007	0.003	0	0	0	2
PL.61383	PD.9263	ABC	397 SPACER	7.50Y	124.9	0.07	0.07	102.31	20	2267	399	98	0.40	0.0	0.295	0.288	0	0	0	2
PL.61058	PL.61383	ABC	397 SPACER	7.48Y	124.6	0.34	0.41	102.31	20	2267	394	99	2.13	0.1	1.835	1.540	0	0	0	2
PL.61056	PL.61058	ABC	397 SPACER	7.47Y	124.6	0.01	0.42	102.31	20	2265	369	99	0.07	0.0	1.885	0.050	0	0	0	2
PL.34590	PL.61056	ABC	750 MCM AL	7.47Y	124.4	0.13	0.55	102.31	20	2265	368	99	1.89	0.1	2.308	0.423	0	0	0	2
PD.5882-A	PL.34590	ABC	Closed	7.47Y	124.4	0.00	0.55	102.38	0	2263	374	99	0.00	0.0	2.308	0.423	0	0	0	2
PD.5882-B	PD.5882-A	ABC	Closed	7.47Y	124.4	0.00	0.55	102.38	0	2263	374	99	0.00	0.0	2.308	0.423	0	0	0	2
PL.33343	PD.5882-B	ABC	750 MCM AL	7.47Y	124.4	0.00	0.55	-0.02	0	0	0	100	0.00	0.0	2.325	0.017	0	0	0	0
PL.34869	PD.5882-B	ABC	750 MCM AL	7.46Y	124.4	0.04	0.59	102.38	20	2263	374	99	0.56	0.0	2.434	0.126	0	0	0	2
PD.5873-A	PL.34869	ABC	Closed	7.46Y	124.4	0.00	0.59	102.40	0	2262	376	99	0.00	0.0	2.434	0.126	0	0	0	2
PD.5873-B	PD.5873-A	ABC	Closed	7.46Y	124.4	0.00	0.59	102.40	0	2262	376	99	0.00	0.0	2.434	0.126	0	0	0	2
PL.33344	PD.5873-B	ABC	750 MCM AL	7.46Y	124.4	0.02	0.61	102.40	20	2262	376	99	0.30	0.0	2.501	0.068	0	0	0	2
PL.34593	PL.33344	ABC	750 MCM AL	7.46Y	124.4	0.00	0.61	10.34	2	229	35	99	0.00	0.0	2.573	0.072	0	0	0	1
PL.34740	PL.34593	ABC	750 MCM AL	7.46Y	124.4	0.00	0.61	10.35	2	229	36	99	0.00	0.0	2.640	0.067	0	0	0	1
PL.34741	PL.34740	ABC	750 MCM AL	7.46Y	124.4	0.00	0.62	10.36	2	229	38	99	0.00	0.0	2.721	0.080	229	39	1	1
PL.33345	PL.33344	ABC	750 MCM AL	7.46Y	124.4	0.00	0.62	92.07	18	2033	342	99	0.06	0.0	2.518	0.016	0	0	0	1
PL.34052	PL.33345	ABC	750 MCM AL	7.46Y	124.3	0.06	0.68	92.07	18	2033	342	99	0.82	0.0	2.744	0.227	0	0	0	1
PL.34057	PL.34052	ABC	750 MCM AL	7.46Y	124.3	-0.00	0.68	-0.08	0	0	-2	0	0.00	0.0	2.826	0.081	0	0	0	0
C PL.34055	PL.34052	ABC	1/0 AL URD	7.45Y	124.2	0.16	0.84	88.20	52	1946	332	99	1.60	0.1	2.924	0.180	1944	334	0	0 C
PL.34053	PL.34052	ABC	1/0 AL URD	7.46Y	124.3	0.00	0.68	3.91	2	86	14	99	0.00	0.0	2.792	0.047	86	15	1	1
PL.63312	Laurel Ind 1	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	147.17	28	3226	747	97	0.01	0.0	0.002	0.002	0	0	0	76
PL.63311	PL.63312	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	147.17	28	3226	747	97	0.00	0.0	0.004	0.002	0	0	0	76
----- Feeder No. 5 (London F5) Beginning with Device PD.9264 -----																				
PD.9264	PL.63311	ABC	480VWE	7.50Y	125.0	0.00	0.00	147.17	0	3226	747	97	0.00	0.0	0.004	0.002	0	0	0	76

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: Laurel Ind 1

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - 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
C PL.63313	PD.9264	ABC	1/0 AL URD	7.49Y	124.9	0.09	0.09	147.17	87	3226	747	97	2.29	0.1	0.035	0.031	0	0	0	76 C
PL.63314	PL.63313	ABC	397 SPACER	7.49Y	124.8	0.10	0.19	147.18	28	3224	747	97	0.71	0.0	0.284	0.249	0	0	0	76
PL.61384	PL.63314	ABC	397 SPACER	7.48Y	124.7	0.10	0.29	147.18	28	3223	738	97	0.71	0.0	0.531	0.247	0	0	0	76
PL.61057	PL.61384	ABC	336 MCM AC	7.47Y	124.5	0.17	0.46	147.18	28	3222	730	98	3.06	0.1	0.699	0.168	0	0	0	76
PL.62934	PL.61057	ABC	336 MCM AC	7.46Y	124.4	0.17	0.63	147.18	28	3219	723	98	3.00	0.1	0.864	0.165	0	0	0	76
PL.62935	PL.62934	ABC	336 MCM AC	7.43Y	123.9	0.49	1.12	147.18	28	3216	716	98	8.86	0.3	1.349	0.486	0	0	0	76
PL.59695	PL.62935	ABC	336 MCM AC	7.43Y	123.9	0.03	1.15	67.34	13	1453	380	97	0.22	0.0	1.407	0.057	5	2	1	70
PL.36068	PL.59695	ABC	336 MCM AC	7.42Y	123.6	0.27	1.42	67.11	13	1448	377	97	2.07	0.1	1.954	0.547	6	3	3	69
PL.35036	PL.36068	ABC	#2 ACSR	7.41Y	123.6	0.00	1.42	2.61	1	57	10	98	0.00	0.0	2.018	0.064	57	10	1	1
PL.35291	PL.36068	ABC	336 MCM AC	7.41Y	123.5	0.09	1.51	64.16	12	1381	359	97	0.69	0.1	2.154	0.200	0	0	0	64
PL.35109	PL.35291	ABC	#4 ACSR	7.41Y	123.5	0.03	1.54	12.97	10	277	79	96	0.06	0.0	2.213	0.060	0	0	0	17
PL.35843	PL.35109	ABC	#4 ACSR	7.41Y	123.4	0.02	1.56	9.72	7	209	55	97	0.04	0.0	2.277	0.064	1	0	1	11
PL.35844	PL.35843	ABC	#4 ACSR	7.41Y	123.4	0.01	1.58	9.68	7	208	55	97	0.02	0.0	2.323	0.046	54	9	1	10
PL.35841	PL.35844	ABC	#4 ACSR	7.41Y	123.4	0.00	1.58	7.21	6	154	46	96	0.00	0.0	2.334	0.011	19	9	1	9
PL.35842	PL.35841	ABC	#4 ACSR	7.40Y	123.4	0.01	1.59	6.27	5	135	36	97	0.01	0.0	2.365	0.031	20	10	2	8
PL.35631	PL.35842	ABC	#4 ACSR	7.40Y	123.4	0.01	1.59	5.29	4	114	27	97	0.01	0.0	2.400	0.036	0	0	0	6
PL.35633	PL.35631	C	#4 ACSR	7.40Y	123.4	0.00	1.59	3.85	3	26	12	91	0.00	0.0	2.401	0.001	0	0	0	5
PD.5023	PL.35633	C	60QA	7.40Y	123.4	0.00	1.59	3.85	6	26	12	91	0.00	0.0	2.401	0.001	0	0	0	5
PL.35635	PD.5023	C	#4 ACSR	7.40Y	123.4	0.01	1.60	3.85	3	26	12	91	0.00	0.0	2.437	0.035	8	4	2	5
PL.37152	PL.35635	C	#4 ACSR	7.40Y	123.4	0.00	1.60	2.59	2	17	8	90	0.00	0.0	2.444	0.008	0	0	1	3
PL.35634	PL.37152	C	#4 ACSR	7.40Y	123.4	0.01	1.61	2.57	2	17	8	90	0.00	0.0	2.554	0.110	17	8	2	2
PL.35632	PL.35631	ABC	#4 ACSR	7.40Y	123.4	0.02	1.61	4.05	3	89	14	99	0.01	0.0	2.602	0.202	89	15	1	1
PL.34836	PL.35632	ABC	#4 ACSR	7.40Y	123.4	0.00	1.61	-0.04	0	0	-1	0	0.00	0.0	2.608	0.006	0	0	0	0
PL.34829	PL.34836	ABC	1/0 AL URD	7.40Y	123.4	0.00	1.61	-0.04	0	0	-1	0	0.00	0.0	2.609	0.000	0	0	0	0
PD.5024	PL.34829	ABC	25QA	7.40Y	123.4	0.00	1.61	-0.04	0	0	-1	0	0.00	0.0	2.609	0.000	0	0	0	0
PL.34837	PD.5024	ABC	1/0 AL URD	7.40Y	123.4	-0.00	1.61	-0.04	0	0	-1	0	0.00	0.0	2.656	0.047	0	0	0	0
PL.33991	PL.34837	ABC	1/0 AL URD	7.40Y	123.4	0.00	1.61	-0.02	0	0	0	100	0.00	0.0	2.687	0.032	0	0	0	0
PL.35839	PL.35109	ABC	#4 ACSR	7.41Y	123.5	0.00	1.54	3.26	3	69	23	95	0.00	0.0	2.222	0.009	0	0	0	6
PL.35990	PL.35839	ABC	#4 ACSR	7.41Y	123.5	0.00	1.54	0.78	1	16	8	89	0.00	0.0	2.267	0.044	16	8	1	1
PL.35840	PL.35839	ABC	#4 ACSR	7.41Y	123.5	0.00	1.54	2.49	2	53	16	96	0.00	0.0	2.265	0.043	0	0	0	5
PL.35661	PL.35840	ABC	#4 ACSR	7.41Y	123.5	0.00	1.54	0.00	0	0	0	100	0.00	0.0	2.311	0.046	0	0	0	0

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

Balanced Voltage Drop Report
Source: Laurel Ind 1

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - 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.35838	PL.35840	ABC	#4 ACSR	7.41Y	123.4	0.01	1.55	2.49	2	53	16	96	0.00	0.0	2.355	0.090	0	0	0	5
PL.34683	PL.35838	ABC	#4 ACSR	7.41Y	123.4	0.00	1.55	1.48	1	32	6	98	0.00	0.0	2.441	0.086	32	6	1	1
PL.36653	PL.35838	A	#4 ACSR	7.41Y	123.4	0.01	1.56	3.13	2	21	10	90	0.00	0.0	2.421	0.066	1	0	1	4
PL.36656	PL.36653	A	#4 ACSR	7.41Y	123.4	0.00	1.56	1.55	1	10	5	89	0.00	0.0	2.471	0.050	0	0	0	1
PL.33757	PL.36656	A	#2 ACSR	7.41Y	123.4	0.00	1.56	0.00	0	0	0	100	0.00	0.0	2.512	0.041	0	0	0	0
PL.36094	PL.36656	A	#4 ACSR	7.41Y	123.4	0.00	1.57	1.55	1	10	5	89	0.00	0.0	2.490	0.019	10	5	1	1
PL.36654	PL.36653	A	#2 ACSR	7.41Y	123.4	0.00	1.56	1.47	1	10	5	89	0.00	0.0	2.452	0.030	0	0	1	2
PL.36655	PL.36654	A	#2 ACSR	7.41Y	123.4	0.00	1.56	1.47	1	10	5	89	0.00	0.0	2.468	0.016	10	5	1	1
PL.36045	PL.35291	ABC	336 MCM AC	7.41Y	123.5	0.02	1.53	51.19	10	1103	279	97	0.11	0.0	2.202	0.048	0	0	0	47
PL.36046	PL.36045	ABC	336 MCM AC	7.40Y	123.3	0.21	1.74	51.19	10	1103	279	97	1.25	0.1	2.769	0.567	0	0	0	47
PD.5883-A	PL.36046	ABC	Closed	7.40Y	123.3	0.00	1.74	51.19	0	1102	276	97	0.00	0.0	2.769	0.567	0	0	0	47
PD.5883-B	PD.5883-A	ABC	Closed	7.40Y	123.3	0.00	1.74	51.19	0	1102	276	97	0.00	0.0	2.769	0.567	0	0	0	47
PL.35798	PD.5883-B	ABC	336 MCM AC	7.40Y	123.3	0.01	1.75	51.19	10	1102	276	97	0.08	0.0	2.806	0.037	0	0	1	47
PL.57165	PL.35798	ABC	336 MCM AC	7.39Y	123.2	0.00	1.75	5.68	1	113	55	90	0.00	0.0	2.872	0.066	0	0	0	16
PL.61081	PL.57165	ABC	336 MCM AC	7.39Y	123.2	0.00	1.75	5.68	1	113	55	90	0.00	0.0	2.881	0.009	0	0	0	16
PL.61080	PL.61081	ABC	336 MCM AC	7.39Y	123.2	0.01	1.76	5.14	1	103	50	90	0.00	0.0	3.007	0.126	8	4	1	15
PL.59936	PL.61080	ABC	336 MCM AC	7.39Y	123.2	0.00	1.76	0.00	0	0	0	100	0.00	0.0	3.044	0.037	0	0	0	0
PL.59940	PL.59936	ABC	336 MCM AC	7.39Y	123.2	0.00	1.76	0.00	0	0	0	100	0.00	0.0	3.047	0.003	0	0	0	0
PD.8900-B	PL.59940	ABC	Open	7.39Y	123.2	0.00	1.76	0.00	0	0	0	100	0.00	0.0	3.047	0.003	0	0	0	0
PL.34495	PL.61080	C	#4 ACSR	7.39Y	123.2	0.00	1.76	4.55	3	30	15	89	0.00	0.0	3.007	0.001	0	0	0	6
PD.5222	PL.34495	C	75QA	7.39Y	123.2	0.00	1.76	4.55	6	30	15	89	0.00	0.0	3.007	0.001	0	0	0	6
PL.35138	PD.5222	C	#4 ACSR	7.39Y	123.2	0.01	1.76	4.55	3	30	15	89	0.00	0.0	3.048	0.041	20	10	4	6
PL.34861	PL.35138	C	#4 ACSR	7.39Y	123.2	0.00	1.77	1.49	1	10	5	89	0.00	0.0	3.110	0.061	10	5	2	2
PL.35690	PL.61080	A	6 A (CWC)	7.39Y	123.2	0.00	1.76	9.69	7	65	31	90	0.00	0.0	3.007	0.001	0	0	0	8
PD.5146	PL.35690	A	75QA	7.39Y	123.2	0.00	1.76	9.69	13	65	31	90	0.00	0.0	3.007	0.001	0	0	0	8
PL.35913	PD.5146	A	6 A (CWC)	7.39Y	123.2	0.03	1.79	9.69	7	65	31	90	0.01	0.0	3.076	0.068	9	5	1	8
PL.35914	PL.35913	A	6 A (CWC)	7.39Y	123.2	0.01	1.79	6.81	5	45	22	90	0.00	0.0	3.103	0.027	19	9	2	6
PL.35297	PL.35914	A	6 A (CWC)	7.39Y	123.2	0.01	1.81	4.00	3	27	13	90	0.00	0.0	3.172	0.069	7	3	3	4
PL.35298	PL.35297	A	6 A (CWC)	7.39Y	123.2	0.00	1.81	3.00	2	20	10	89	0.00	0.0	3.199	0.027	20	10	1	1
PL.33442	PL.35913	A	6 A (CWC)	7.39Y	123.2	0.00	1.79	1.48	1	10	5	89	0.00	0.0	3.117	0.042	10	5	1	1
PL.61079	PL.61081	A	#1/0 ACSR	7.39Y	123.2	0.00	1.75	1.63	1	11	5	91	0.00	0.0	2.909	0.028	11	5	1	1

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

Balanced Voltage Drop Report
Source: Laurel Ind 1

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - 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.57166	PL.57165	ABC	336 MCM AC	7.39Y	123.2	0.00	1.75	0.00	0	0	0	100	0.00	0.0	2.912	0.040	0	0	0	0
PD.5871-B	PL.57166	ABC	Open	7.39Y	123.2	0.00	1.75	0.00	0	0	0	100	0.00	0.0	2.912	0.040	0	0	0	0
PL.52654	PL.35798	ABC	336 MCM AC	7.39Y	123.2	0.04	1.79	45.63	9	988	221	98	0.24	0.0	2.944	0.138	0	0	0	30
PL.52655	PL.52654	ABC	336 MCM AC	7.39Y	123.2	0.04	1.84	45.63	9	988	220	98	0.24	0.0	3.078	0.134	0	0	0	30
PL.35435	PL.52655	ABC	336 MCM AC	7.39Y	123.1	0.02	1.86	45.63	9	988	219	98	0.13	0.0	3.153	0.075	0	0	0	30
PL.35432	PL.35435	ABC	336 MCM AC	7.39Y	123.1	0.01	1.87	45.63	9	987	219	98	0.05	0.0	3.183	0.030	0	0	0	30
PL.60990	PL.35432	ABC	336 MCM AC	7.39Y	123.1	0.02	1.89	45.63	9	987	219	98	0.10	0.0	3.239	0.055	0	0	0	30
PL.63317	PL.60990	ABC	336 MCM AC	7.39Y	123.1	0.01	1.90	45.63	9	987	219	98	0.08	0.0	3.282	0.043	0	0	1	30
PL.63318	PL.63317	ABC	336 MCM AC	7.38Y	123.1	0.04	1.94	45.63	9	987	219	98	0.23	0.0	3.416	0.133	0	0	0	29
PL.35433	PL.63318	ABC	336 MCM AC	7.38Y	123.0	0.02	1.96	45.63	9	987	218	98	0.11	0.0	3.481	0.065	91	16	1	29
PL.35434	PL.35433	ABC	336 MCM AC	7.38Y	123.0	0.01	1.97	41.49	8	896	202	98	0.06	0.0	3.523	0.042	0	0	0	28
PL.56342	PL.35434	ABC	336 MCM AC	7.38Y	123.0	0.01	1.98	26.96	5	581	136	97	0.03	0.0	3.576	0.052	1	0	1	23
PL.56341	PL.56342	ABC	#4 ACSR	7.38Y	123.0	0.00	1.98	1.73	1	38	6	99	0.00	0.0	3.591	0.015	38	6	1	1
PL.56343	PL.56342	ABC	336 MCM AC	7.38Y	123.0	0.01	1.99	25.20	5	543	130	97	0.02	0.0	3.611	0.036	0	0	1	21
PL.62437	PL.56343	ABC	336 MCM AC	7.38Y	123.0	0.00	1.99	25.18	5	542	129	97	0.01	0.0	3.637	0.026	0	0	0	20
PL.62424	PL.62437	A	6 A (CWC)	7.38Y	123.0	0.00	2.00	0.08	0	1	0	100	0.00	0.0	3.698	0.061	1	0	1	1
PL.62427	PL.62437	A	#4 ACSR	7.38Y	123.0	0.00	2.00	17.61	14	117	56	90	0.00	0.0	3.638	0.001	0	0	0	14
PD.9334	PL.62427	A	40QA	7.38Y	123.0	0.00	2.00	17.61	44	117	56	90	0.00	0.0	3.638	0.001	0	0	0	14
PL.62428	PD.9334	A	#4 ACSR	7.38Y	123.0	0.01	2.01	17.61	14	117	56	90	0.01	0.0	3.650	0.012	0	0	0	14
PL.60703	PL.62428	A	#4 ACSR	7.38Y	123.0	0.04	2.05	17.61	14	117	56	90	0.03	0.0	3.710	0.060	37	18	3	14
PL.60704	PL.60703	A	#4 ACSR	7.38Y	122.9	0.02	2.07	12.03	9	80	39	90	0.01	0.0	3.763	0.053	30	15	2	11
PL.34563	PL.60704	A	#4 ACSR	7.38Y	122.9	0.00	2.07	7.44	6	49	24	90	0.00	0.0	3.769	0.005	0	0	0	9
PL.34905	PL.34563	A	1/0 AL URD	7.38Y	122.9	0.00	2.07	7.44	4	49	24	90	0.00	0.0	3.769	0.000	0	0	0	9
PD.5025	PL.34905	A	75QA	7.38Y	122.9	0.00	2.07	7.44	10	49	24	90	0.00	0.0	3.769	0.000	0	0	0	9
PL.36390	PD.5025	A	1/0 AL URD	7.38Y	122.9	0.01	2.08	7.44	4	49	24	90	0.00	0.0	3.813	0.044	0	0	0	9
PL.36934	PL.36390	A	#4 ACSR	7.38Y	122.9	0.00	2.08	7.45	6	49	24	90	0.00	0.0	3.814	0.000	0	0	0	9
PD.5089	PL.36934	A	60QA	7.38Y	122.9	0.00	2.08	7.45	12	49	24	90	0.00	0.0	3.814	0.000	0	0	0	9
PL.36935	PD.5089	A	#4 ACSR	7.37Y	122.9	0.00	2.08	7.45	6	49	24	90	0.00	0.0	3.818	0.005	34	17	6	9
PL.36933	PL.36935	A	#4 ACSR	7.37Y	122.9	0.01	2.09	2.28	2	15	7	91	0.00	0.0	3.900	0.082	0	0	0	3
PL.36929	PL.36933	A	#4 ACSR	7.37Y	122.9	0.00	2.10	2.28	2	15	7	91	0.00	0.0	3.944	0.044	6	3	1	3
PL.36930	PL.36929	A	#4 ACSR	7.37Y	122.9	0.00	2.10	1.38	1	9	4	91	0.00	0.0	3.965	0.021	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: Laurel Ind 1

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - 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.36931	PL.36930	A	#4 ACSR	7.37Y	122.9	0.00	2.10	1.38	1	9	4	91	0.00	0.0	3.984	0.018	9	4	2	2
PL.36932	PL.36931	A	#4 ACSR	7.37Y	122.9	0.00	2.10	0.00	0	0	0	100	0.00	0.0	4.003	0.019	0	0	0	0
PL.63099	PL.36933	A	#1/0 ACSR	7.37Y	122.9	0.00	2.09	0.00	0	0	0	100	0.00	0.0	3.960	0.059	0	0	0	0
PL.63102	PL.62437	ABC	#1/0 ACSR	7.38Y	123.0	0.00	2.00	19.46	8	425	73	99	0.01	0.0	3.649	0.012	0	0	1	5
PL.63103	PL.63102	ABC	#1/0 ACSR	7.38Y	123.0	0.02	2.02	19.46	8	425	73	99	0.05	0.0	3.702	0.053	0	0	0	4
PL.62503	PL.63103	ABC	1/0 AL URD	7.38Y	123.0	0.00	2.02	-0.01	0	0	0	100	0.00	0.0	3.722	0.020	0	0	0	0
PL.62504	PL.63103	ABC	#1/0 ACSR	7.38Y	123.0	0.00	2.02	19.46	8	425	73	99	0.01	0.0	3.714	0.012	0	0	0	4
PL.35124	PL.62504	ABC	#4 ACSR	7.38Y	123.0	0.00	2.02	1.08	1	24	4	99	0.00	0.0	3.730	0.016	24	4	1	1
PL.60634	PL.62504	ABC	#1/0 ACSR	7.37Y	122.9	0.10	2.12	18.38	8	401	69	99	0.30	0.1	4.049	0.335	0	0	0	3
PL.60636	PL.60634	ABC	1/0 AL URD	7.37Y	122.9	0.00	2.13	14.72	9	321	55	99	0.01	0.0	4.057	0.008	0	0	0	1
PD.9052	PL.60636	ABC	100CodeSMo	7.37Y	122.9	0.00	2.13	14.72	0	321	55	99	0.00	0.0	4.057	0.008	0	0	0	1
PL.60637	PD.9052	ABC	1/0 AL URD	7.37Y	122.9	0.01	2.13	14.72	9	321	55	99	0.01	0.0	4.094	0.037	321	55	1	1
PL.60635	PL.60634	ABC	#1/0 ACSR	7.37Y	122.9	0.00	2.13	3.66	2	80	14	99	0.00	0.0	4.209	0.161	80	14	2	2
PL.33681	PL.35434	ABC	336 MCM AC	7.38Y	123.0	0.00	1.97	7.28	1	157	38	97	0.00	0.0	3.545	0.022	157	38	4	4
PL.34328	PL.35434	ABC	336 MCM AC	7.38Y	123.0	0.00	1.97	0.00	0	0	0	100	0.00	0.0	3.569	0.046	0	0	0	0
PD.5884-A	PL.34328	ABC	Open	7.38Y	123.0	0.00	1.97	0.00	0	0	0	100	0.00	0.0	3.569	0.046	0	0	0	0
PL.33220	PL.35434	ABC	#4 ACSR	7.38Y	123.0	0.00	1.98	7.26	6	158	27	99	0.00	0.0	3.558	0.035	158	27	1	1
CP.99	PL.52654	ABC	Cap (300)	7.39Y	123.2	0.00	1.79	0.00	0	0	0	100	0.00	0.0	2.944	0.035	0	0	0	0
PL.63315	PL.35291	ABC	#4 ACSR	7.41Y	123.5	0.00	1.51	0.00	0	0	0	100	0.00	0.0	2.155	0.002	0	0	0	0
PL.35518	PL.36068	C	#2 ACSR	7.42Y	123.6	0.00	1.42	0.27	0	2	1	89	0.00	0.0	1.956	0.002	0	0	0	1
PD.5842	PL.35518	C	60QA	7.42Y	123.6	0.00	1.42	0.27	0	2	1	89	0.00	0.0	1.956	0.002	0	0	0	1
PL.35519	PD.5842	C	#2 ACSR	7.42Y	123.6	0.00	1.42	0.27	0	2	1	89	0.00	0.0	2.036	0.081	2	1	1	1
PL.59693	PL.62935	ABC	#1/0 ACSR	7.43Y	123.8	0.11	1.23	79.95	35	1755	315	98	1.40	0.1	1.431	0.082	0	0	0	6
PL.59697	PL.59693	ABC	#1/0 ACSR	7.42Y	123.7	0.05	1.28	78.89	34	1731	303	99	0.63	0.0	1.469	0.038	0	0	0	1
PL.59698	PL.59697	C	#2 ACSR	7.42Y	123.7	0.00	1.28	0.12	0	1	0	100	0.00	0.0	1.469	0.000	0	0	0	1
PD.5733	PL.59698	C	60QA	7.42Y	123.7	0.00	1.28	0.12	0	1	0	100	0.00	0.0	1.469	0.000	0	0	0	1
PL.35387	PD.5733	C	#2 ACSR	7.42Y	123.7	0.00	1.28	0.12	0	1	0	100	0.00	0.0	1.507	0.038	1	0	1	1
PL.59696	PL.59697	ABC	#1/0 ACSR	7.42Y	123.7	0.02	1.30	78.85	34	1730	302	99	0.24	0.0	1.484	0.015	0	0	0	0
PD.8894	PL.59696	ABC	351VWE	7.42Y	123.7	0.00	1.30	78.85	0	1730	302	99	0.00	0.0	1.484	0.015	0	0	0	0
PL.59700	PD.8894	ABC	#1/0 ACSR	7.42Y	123.7	0.03	1.33	78.85	34	1730	302	99	0.33	0.0	1.504	0.020	0	0	0	0
PL.59699	PL.59700	ABC	#1/0 ACSR	7.42Y	123.7	0.00	1.33	78.85	34	1729	301	99	0.05	0.0	1.507	0.003	0	0	0	0

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

Balanced Voltage Drop Report
Source: Laurel Ind 1

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - 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.52801	PL.59699	ABC	#1/0 ACSR	7.42Y	123.6	0.06	1.39	78.85	34	1729	301	99	0.69	0.0	1.548	0.042	0	0	0	0
PL.52798	PL.52801	ABC	#1/0 ACSR	7.41Y	123.5	0.16	1.55	78.85	34	1729	301	99	1.97	0.1	1.667	0.119	0	0	0	0
PL.36207	PL.52798	ABC	#1/0 ACSR	7.40Y	123.4	0.06	1.61	78.85	34	1727	299	99	0.79	0.0	1.715	0.048	0	0	0	0
PL.36206	PL.36207	ABC	#1/0 ACSR	7.40Y	123.3	0.06	1.67	78.85	34	1726	298	99	0.72	0.0	1.758	0.043	0	0	0	0
PL.36033	PL.36206	ABC	#1/0 ACSR	7.40Y	123.3	0.08	1.75	78.85	34	1725	297	99	0.95	0.1	1.815	0.057	0	0	0	0
PL.36043	PL.36033	ABC	#1/0 ACSR	7.39Y	123.2	0.01	1.76	78.85	34	1724	296	99	0.09	0.0	1.821	0.006	0	0	0	0
PL.33998	PL.36043	ABC	1/0 AL URD	7.39Y	123.2	0.00	1.76	78.85	46	1724	296	99	0.00	0.0	1.821	0.000	0	0	0	0
C PD.5211	PL.33998	ABC	75QA	7.39Y	123.2	0.00	1.76	78.85	105	1724	296	99	0.00	0.0	1.821	0.000	0	0	0	0
PL.33999	PD.5211	ABC	1/0 AL URD	7.39Y	123.2	0.00	1.76	78.85	46	1724	296	99	0.01	0.0	1.823	0.002	1724	296	0	0
PL.59692	PL.36206	ABC	#1/0 ACSR	7.40Y	123.3	0.00	1.67	0.00	0	0	0	100	0.00	0.0	1.785	0.027	0	0	0	0
PL.34630	PL.36206	ABC	#1/0 ACSR	7.40Y	123.3	0.00	1.67	0.00	0	0	0	100	0.00	0.0	1.852	0.094	0	0	0	0
PL.34902	PL.36207	ABC	#1/0 ACSR	7.40Y	123.4	0.00	1.61	0.00	0	0	0	100	0.00	0.0	1.736	0.022	0	0	0	0
PL.52799	PL.52801	ABC	#1/0 ACSR	7.42Y	123.6	0.00	1.39	0.00	0	0	0	100	0.00	0.0	1.592	0.043	0	0	0	0
PL.52800	PL.52801	ABC	#2 ACSR	7.42Y	123.6	0.00	1.39	0.00	0	0	0	100	0.00	0.0	1.562	0.014	0	0	0	0
PL.52802	PL.59699	C	#2 ACSR	7.42Y	123.7	0.00	1.33	0.00	0	0	0	100	0.00	0.0	1.507	0.000	0	0	0	0
PD.5163	PL.52802	C	30QA	7.42Y	123.7	0.00	1.33	0.00	0	0	0	100	0.00	0.0	1.507	0.000	0	0	0	0
PL.35389	PD.5163	C	#2 ACSR	7.42Y	123.7	0.00	1.33	0.00	0	0	0	100	0.00	0.0	1.557	0.050	0	0	0	0
PL.33805	PL.59693	C	#4 ACSR	7.43Y	123.8	0.00	1.23	3.29	3	22	11	89	0.00	0.0	1.432	0.001	0	0	0	5
PD.5754	PL.33805	C	75QA	7.43Y	123.8	0.00	1.23	3.29	4	22	11	89	0.00	0.0	1.432	0.001	0	0	0	5
PL.33683	PD.5754	C	#4 ACSR	7.43Y	123.8	0.01	1.25	3.29	3	22	11	89	0.00	0.0	1.528	0.096	0	0	1	5
PL.33684	PL.33683	C	#4 ACSR	7.42Y	123.7	0.01	1.25	1.52	1	10	5	89	0.00	0.0	1.631	0.103	0	0	0	2
PL.33520	PL.33684	C	#4 ACSR	7.42Y	123.7	0.00	1.26	1.24	1	8	4	89	0.00	0.0	1.714	0.083	8	4	1	1
PL.35252	PL.33684	C	#4 ACSR	7.42Y	123.7	0.00	1.25	0.27	0	2	1	89	0.00	0.0	1.695	0.064	2	1	1	1
PL.36020	PL.33683	C	#4 ACSR	7.42Y	123.7	0.01	1.25	1.71	1	11	6	88	0.00	0.0	1.599	0.071	0	0	1	2
PL.36021	PL.36020	C	#4 ACSR	7.42Y	123.7	0.00	1.26	1.71	1	11	6	88	0.00	0.0	1.705	0.106	11	6	1	1
PL.59694	PL.62935	C	#4 ACSR	7.43Y	123.9	0.00	1.12	0.00	0	0	0	100	0.00	0.0	1.353	0.003	0	0	0	0
CP.101	PL.62934	ABC	Cap (300)	7.46Y	124.4	0.00	0.63	0.00	0	0	0	100	0.00	0.0	0.864	0.003	0	0	0	0
PL.52996	Laurel Ind 1	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	203.22	39	4108	2008	90	0.02	0.0	0.004	0.004	0	0	0	580
PL.52997	PL.52996	ABC	397 SPACER	7.50Y	125.0	0.00	0.01	203.22	39	4108	2008	90	0.01	0.0	0.006	0.002	0	0	0	580

----- Feeder No. 3 (SinkingCreek F3) Beginning with Device PD.8059 -----

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: Laurel Ind 1

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - 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.8059	PL.52997	ABC	480VWE	7.50Y	125.0	0.00	0.01	203.22	0	4108	2008	90	0.00	0.0	0.006	0.002	0	0	0	580
PL.33733	PD.8059	ABC	397 SPACER	7.50Y	124.9	0.05	0.05	203.22	39	4108	2008	90	0.29	0.0	0.060	0.054	14	7	1	580
PL.33734	PL.33733	ABC	397 SPACER	7.49Y	124.9	0.09	0.14	199.54	38	4033	1968	90	0.51	0.0	0.156	0.096	2	1	1	572
PL.34762	PL.33734	ABC	#3/0 ACSR	7.49Y	124.9	0.01	0.15	6.31	2	134	45	95	0.01	0.0	0.252	0.097	0	0	0	11
PL.34338	PL.34762	ABC	#3/0 ACSR	7.49Y	124.8	0.02	0.17	3.09	1	62	30	90	0.01	0.0	0.733	0.480	0	0	0	6
PL.36072	PL.34338	ABC	#3/0 ACSR	7.49Y	124.8	0.01	0.18	1.34	0	27	13	90	0.00	0.0	1.057	0.325	0	0	0	3
PL.35639	PL.36072	ABC	#3/0 ACSR	7.49Y	124.8	0.00	0.18	1.34	0	27	13	90	0.00	0.0	1.167	0.109	0	0	0	3
PL.36647	PL.35639	ABC	#3/0 ACSR	7.49Y	124.8	0.00	0.18	1.34	0	27	13	90	0.00	0.0	1.218	0.051	0	0	0	3
PL.36648	PL.36647	ABC	#3/0 ACSR	7.49Y	124.8	0.00	0.18	1.34	0	27	13	90	0.00	0.0	1.351	0.133	0	0	0	3
PL.34241	PL.36648	ABC	#3/0 ACSR	7.49Y	124.8	0.00	0.18	0.00	0	0	0	100	0.00	0.0	1.418	0.067	0	0	0	0
PD.5868-A	PL.34241	ABC	Open	7.49Y	124.8	0.00	0.18	0.00	0	0	0	100	0.00	0.0	1.418	0.067	0	0	0	0
PL.35386	PL.36648	A	#4 ACSR	7.49Y	124.8	0.00	0.18	0.97	1	7	3	92	0.00	0.0	1.351	0.001	0	0	0	1
PD.5039	PL.35386	A	40QA	7.49Y	124.8	0.00	0.18	0.97	2	7	3	92	0.00	0.0	1.351	0.001	0	0	0	1
PL.33522	PD.5039	A	#4 ACSR	7.49Y	124.8	0.00	0.18	0.97	1	7	3	92	0.00	0.0	1.422	0.070	0	0	0	1
PL.33523	PL.33522	A	#4 ACSR	7.49Y	124.8	0.00	0.18	0.00	0	0	0	100	0.00	0.0	1.439	0.017	0	0	0	0
PL.35071	PL.33522	A	#4 ACSR	7.49Y	124.8	0.00	0.18	0.97	1	7	3	92	0.00	0.0	1.443	0.021	7	3	1	1
PL.33806	PL.36648	C	6 A (CWC)	7.49Y	124.8	0.00	0.18	0.99	1	7	3	92	0.00	0.0	1.352	0.001	0	0	0	1
PD.5040	PL.33806	C	40QA	7.49Y	124.8	0.00	0.18	0.99	2	7	3	92	0.00	0.0	1.352	0.001	0	0	0	1
PL.33334	PD.5040	C	6 A (CWC)	7.49Y	124.8	0.00	0.18	0.99	1	7	3	92	0.00	0.0	1.404	0.053	7	3	1	1
PL.34757	PL.36648	A	#2 ACSR	7.49Y	124.8	0.00	0.18	2.04	1	14	7	89	0.00	0.0	1.377	0.026	14	7	1	1
PL.36649	PL.36647	A	#2 ACSR	7.49Y	124.8	0.00	0.18	0.00	0	0	0	100	0.00	0.0	1.219	0.001	0	0	0	0
PD.5213	PL.36649	A	40QA	7.49Y	124.8	0.00	0.18	0.00	0	0	0	100	0.00	0.0	1.219	0.001	0	0	0	0
PL.36650	PD.5213	A	#2 ACSR	7.49Y	124.8	0.00	0.18	0.00	0	0	0	100	0.00	0.0	1.257	0.039	0	0	0	0
PL.35640	PL.36072	C	6 A (CWC)	7.49Y	124.8	0.00	0.18	0.00	0	0	0	100	0.00	0.0	1.058	0.001	0	0	0	0
PD.5110	PL.35640	C	40QA	7.49Y	124.8	0.00	0.18	0.00	0	0	0	100	0.00	0.0	1.058	0.001	0	0	0	0
PL.35641	PD.5110	C	6 A (CWC)	7.49Y	124.8	0.00	0.18	0.00	0	0	0	100	0.00	0.0	1.100	0.041	0	0	0	0
PL.36070	PL.34338	C	6 A (CWC)	7.49Y	124.8	0.00	0.17	5.24	4	35	17	90	0.00	0.0	0.736	0.003	0	0	0	3
PD.5038	PL.36070	C	20T	7.49Y	124.8	0.00	0.17	5.24	0	35	17	90	0.00	0.0	0.736	0.003	0	0	0	3
PL.36071	PD.5038	C	6 A (CWC)	7.49Y	124.8	0.07	0.24	5.24	4	35	17	90	0.02	0.1	1.065	0.328	6	3	1	3
PL.36069	PL.36071	C	6 A (CWC)	7.48Y	124.7	0.03	0.27	4.29	3	29	14	90	0.01	0.0	1.217	0.152	2	1	1	2

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

Balanced Voltage Drop Report
Source: Laurel Ind 1

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - 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.35192	PL.36069	C	6 A (CWC)	7.48Y	124.7	0.02	0.29	4.02	3	27	13	90	0.00	0.0	1.314	0.097	0	0	0	1
PL.35325	PL.35192	C	#4 ACSR	7.48Y	124.7	0.00	0.29	0.00	0	0	0	100	0.00	0.0	1.397	0.083	0	0	0	0
PL.35191	PL.35192	C	#4 ACSR	7.48Y	124.7	0.00	0.29	0.00	0	0	0	100	0.00	0.0	1.352	0.038	0	0	0	0
PD.5022	PL.35191	C	60QA	7.48Y	124.7	0.00	0.29	0.00	0	0	0	100	0.00	0.0	1.352	0.038	0	0	0	0
PL.35193	PL.35192	C	6 A (CWC)	7.48Y	124.7	0.01	0.31	4.02	3	27	13	90	0.00	0.0	1.456	0.141	27	13	1	1
PL.56626	PL.34762	C	6 A (CWC)	7.49Y	124.9	0.00	0.15	1.32	1	9	4	91	0.00	0.0	0.256	0.004	0	0	0	4
PD.8318	PL.56626	C	25T	7.49Y	124.9	0.00	0.15	1.32	0	9	4	91	0.00	0.0	0.256	0.004	0	0	0	4
PL.56627	PD.8318	C	6 A (CWC)	7.49Y	124.8	0.01	0.16	1.32	1	9	4	91	0.00	0.0	0.372	0.116	0	0	0	4
PL.36083	PL.56627	C	6 A (CWC)	7.49Y	124.8	0.01	0.16	1.11	1	8	4	89	0.00	0.0	0.537	0.165	0	0	0	2
PL.36084	PL.36083	C	6 A (CWC)	7.49Y	124.8	0.00	0.16	0.00	0	0	0	100	0.00	0.0	0.620	0.083	0	0	1	1
PL.33670	PL.36083	C	#1/0 ACSR	7.49Y	124.8	0.00	0.17	1.11	0	7	4	87	0.00	0.0	0.668	0.130	7	4	1	1
PL.36085	PL.56627	C	6 A (CWC)	7.49Y	124.8	0.00	0.16	0.21	0	1	1	71	0.00	0.0	0.556	0.184	0	0	0	2
PL.34784	PL.36085	C	6 A (CWC)	7.49Y	124.8	0.00	0.16	0.19	0	1	1	71	0.00	0.0	0.663	0.106	1	1	1	1
PL.36086	PL.36085	C	6 A (CWC)	7.49Y	124.8	0.00	0.16	0.02	0	0	0	100	0.00	0.0	0.715	0.158	0	0	1	1
PL.36165	PL.34762	C	1/0 AL URD	7.49Y	124.9	0.00	0.15	8.54	5	63	11	99	0.00	0.0	0.257	0.004	0	0	0	1
PD.5214	PL.36165	C	40QA	7.49Y	124.9	0.00	0.15	8.54	21	63	11	99	0.00	0.0	0.257	0.004	0	0	0	1
PL.36166	PD.5214	C	1/0 AL URD	7.49Y	124.8	0.00	0.15	8.54	5	63	11	99	0.00	0.0	0.293	0.037	63	11	1	1
PL.35725	PL.33734	ABC	#3/0 ACSR	7.42Y	123.7	1.11	1.25	193.20	64	3896	1916	90	25.15	0.6	0.557	0.401	0	0	0	560
PL.35852	PL.35725	B	6 A (CWC)	7.42Y	123.7	0.00	1.25	0.58	0	4	2	89	0.00	0.0	0.600	0.043	0	0	0	2
PL.35853	PL.35852	B	6 A (CWC)	7.42Y	123.7	0.00	1.25	0.58	0	4	2	89	0.00	0.0	0.600	0.000	0	0	0	2
PD.5209	PL.35853	B	40QA	7.42Y	123.7	0.00	1.25	0.58	1	4	2	89	0.00	0.0	0.600	0.000	0	0	0	2
PL.35854	PD.5209	B	6 A (CWC)	7.42Y	123.7	0.00	1.25	0.58	0	4	2	89	0.00	0.0	0.645	0.045	4	2	2	2
PL.36597	PL.35725	ABC	#3/0 ACSR	7.41Y	123.4	0.31	1.56	193.01	64	3867	1878	90	6.99	0.2	0.669	0.112	0	0	0	558
PL.35724	PL.36597	ABC	#3/0 ACSR	7.38Y	123.0	0.44	2.00	193.01	64	3860	1868	90	9.99	0.3	0.829	0.160	7	3	1	558
PL.36188	PL.35724	ABC	#3/0 ACSR	7.37Y	122.8	0.19	2.19	192.66	64	3843	1850	90	4.29	0.1	0.897	0.069	0	0	0	557
PL.35722	PL.36188	ABC	#3/0 ACSR	7.37Y	122.8	0.06	2.25	192.06	64	3827	1838	90	1.33	0.0	0.919	0.021	10	5	1	556
PL.36185	PL.35722	ABC	#3/0 ACSR	7.36Y	122.6	0.14	2.38	191.54	64	3816	1831	90	3.04	0.1	0.968	0.049	7	4	2	555
PL.35717	PL.36185	ABC	#3/0 ACSR	7.35Y	122.5	0.12	2.50	191.17	64	3805	1823	90	2.70	0.1	1.012	0.044	0	0	0	553
PL.35721	PL.35717	A	#4 ACSR	7.35Y	122.5	0.00	2.50	0.59	0	4	2	89	0.00	0.0	1.013	0.001	0	0	0	1
PD.5208	PL.35721	A	40QA	7.35Y	122.5	0.00	2.50	0.59	1	4	2	89	0.00	0.0	1.013	0.001	0	0	0	1
PL.35726	PD.5208	A	#4 ACSR	7.35Y	122.5	0.00	2.50	0.59	0	4	2	89	0.00	0.0	1.080	0.067	4	2	1	1

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

Balanced Voltage Drop Report
Source: Laurel Ind 1

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - 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.35719	PL.35717	C	#4 ACSR	7.35Y	122.5	0.00	2.50	0.00	0	0	0	100	0.00	0.0	1.014	0.001	0	0	0	0
PD.5051	PL.35719	C	40QA	7.35Y	122.5	0.00	2.50	0.00	0	0	0	100	0.00	0.0	1.014	0.001	0	0	0	0
PL.35720	PD.5051	C	#4 ACSR	7.35Y	122.5	0.00	2.50	0.00	0	0	0	100	0.00	0.0	1.060	0.046	0	0	0	0
PL.35509	PL.35717	ABC	#3/0 ACSR	7.34Y	122.4	0.11	2.61	190.98	64	3799	1817	90	2.48	0.1	1.053	0.041	8	4	2	552
PL.35716	PL.35509	ABC	#3/0 ACSR	7.33Y	122.2	0.19	2.81	178.15	59	3542	1690	90	4.04	0.1	1.129	0.076	2	1	1	509
PL.36613	PL.35716	ABC	#3/0 ACSR	7.32Y	122.1	0.11	2.92	178.02	59	3535	1683	90	2.39	0.1	1.173	0.045	0	0	0	508
PL.60630	PL.36613	A	#4 ACSR	7.32Y	122.1	0.00	2.92	1.97	2	13	6	91	0.00	0.0	1.186	0.012	13	6	1	1
PL.36618	PL.36613	ABC	#3/0 ACSR	7.32Y	122.0	0.03	2.95	177.36	59	3520	1673	90	0.69	0.0	1.187	0.013	17	8	2	507
PL.60693	PL.36618	ABC	#3/0 ACSR	7.31Y	121.8	0.21	3.17	176.50	59	3502	1664	90	4.42	0.1	1.271	0.085	8	4	1	505
PL.60695	PL.60693	C	#4 ACSR	7.31Y	121.8	0.00	3.17	1.71	1	11	5	91	0.00	0.0	1.276	0.005	0	0	0	2
PD.8509	PL.60695	C	40QA	7.31Y	121.8	0.00	3.17	1.71	4	11	5	91	0.00	0.0	1.276	0.005	0	0	0	2
PL.57510	PD.8509	C	#4 ACSR	7.31Y	121.8	0.00	3.17	1.71	1	11	5	91	0.00	0.0	1.309	0.033	11	5	2	2
PL.60694	PL.60693	A	#4 ACSR	7.31Y	121.8	0.00	3.17	2.74	2	18	9	89	0.00	0.0	1.276	0.005	0	0	0	5
PD.8371	PL.60694	A	15T	7.31Y	121.8	0.00	3.17	2.74	0	18	9	89	0.00	0.0	1.276	0.005	0	0	0	5
PL.57488	PD.8371	A	#4 ACSR	7.31Y	121.8	0.00	3.17	2.74	2	18	9	89	0.00	0.0	1.288	0.012	0	0	0	5
PL.55830	PL.57488	A	#4 ACSR	7.31Y	121.8	0.00	3.17	2.74	2	18	9	89	0.00	0.0	1.323	0.035	8	4	2	5
PL.55831	PL.55830	A	#4 ACSR	7.31Y	121.8	0.00	3.17	1.53	1	10	5	89	0.00	0.0	1.406	0.083	10	5	3	3
PL.35862	PL.55831	A	#4 ACSR	7.31Y	121.8	0.00	3.17	0.00	0	0	0	100	0.00	0.0	1.447	0.041	0	0	0	0
PL.60691	PL.60693	C	#4 ACSR	7.31Y	121.8	0.03	3.19	13.21	10	87	42	90	0.02	0.0	1.321	0.050	10	5	2	12
PL.35855	PL.60691	C	#4 ACSR	7.31Y	121.8	0.03	3.23	10.33	8	68	33	90	0.02	0.0	1.399	0.078	18	9	2	8
PL.35856	PL.35855	C	#4 ACSR	7.31Y	121.8	0.01	3.23	7.57	6	50	24	90	0.00	0.0	1.416	0.017	4	2	1	6
PL.35857	PL.35856	C	#4 ACSR	7.31Y	121.8	0.01	3.24	6.90	5	45	22	90	0.00	0.0	1.457	0.041	11	5	1	5
PL.35858	PL.35857	C	#4 ACSR	7.31Y	121.8	0.00	3.25	1.52	1	10	5	89	0.00	0.0	1.553	0.096	10	5	1	1
PL.35859	PL.35857	C	#4 ACSR	7.31Y	121.8	0.00	3.25	3.78	3	25	12	90	0.00	0.0	1.500	0.043	17	8	1	3
PL.35860	PL.35859	C	#4 ACSR	7.30Y	121.7	0.00	3.25	1.25	1	8	4	89	0.00	0.0	1.580	0.080	8	4	2	2
PL.33996	PL.60691	C	#1/0 ACSR	7.31Y	121.8	0.00	3.19	1.41	1	9	4	91	0.00	0.0	1.347	0.027	9	4	2	2
PL.60692	PL.60693	ABC	#3/0 ACSR	7.30Y	121.6	0.23	3.39	170.22	57	3374	1598	90	4.56	0.1	1.365	0.094	26	12	4	485
PL.58459	PL.60692	A	6 A (CWC)	7.30Y	121.6	0.00	3.39	12.37	9	81	39	90	0.00	0.0	1.368	0.003	0	0	0	9
PD.8684	PL.58459	A	25T	7.30Y	121.6	0.00	3.39	12.37	0	81	39	90	0.00	0.0	1.368	0.003	0	0	0	9
PL.58460	PD.8684	A	6 A (CWC)	7.29Y	121.6	0.03	3.43	12.37	9	81	39	90	0.02	0.0	1.429	0.060	8	4	1	9
PL.35275	PL.58460	A	6 A (CWC)	7.29Y	121.5	0.03	3.46	8.83	6	58	28	90	0.01	0.0	1.498	0.069	8	4	1	7

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

Balanced Voltage Drop Report
Source: Laurel Ind 1

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - 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.34806	PL.35275	A	#1/0 ACSR	7.29Y	121.5	0.00	3.46	0.00	0	0	0	100	0.00	0.0	1.522	0.024	0	0	0	0
PL.35276	PL.35275	A	6 A (CWC)	7.29Y	121.5	0.02	3.47	7.67	5	50	24	90	0.01	0.0	1.550	0.052	0	0	1	6
PL.35863	PL.35276	A	6 A (CWC)	7.29Y	121.5	0.01	3.48	3.34	2	22	11	89	0.00	0.0	1.607	0.056	11	5	1	2
PL.35864	PL.35863	A	6 A (CWC)	7.29Y	121.5	0.00	3.48	1.67	1	11	5	91	0.00	0.0	1.658	0.051	11	5	1	1
PL.60701	PL.35276	A	6 A (CWC)	7.29Y	121.5	0.01	3.48	4.33	3	28	14	89	0.00	0.0	1.634	0.084	28	14	3	3
PL.34234	PL.58460	A	#2 ACSR	7.29Y	121.6	0.00	3.43	2.25	1	15	7	91	0.00	0.0	1.473	0.044	15	7	1	1
PL.35861	PL.60692	ABC	#3/0 ACSR	7.29Y	121.4	0.18	3.57	164.79	55	3262	1539	90	3.50	0.1	1.442	0.077	13	6	1	472
PL.36050	PL.35861	ABC	#3/0 ACSR	7.28Y	121.3	0.12	3.69	164.15	55	3246	1528	90	2.35	0.1	1.494	0.052	5	2	1	471
PL.62936	PL.36050	ABC	#3/0 ACSR	7.27Y	121.2	0.07	3.76	163.88	55	3239	1522	91	1.28	0.0	1.523	0.028	0	0	0	468
PL.62937	PL.62936	ABC	#3/0 ACSR	7.27Y	121.1	0.16	3.92	163.88	55	3237	1520	91	3.03	0.1	1.590	0.067	1	1	1	468
PL.60843	PL.62937	C	#4 ACSR	7.26Y	121.1	0.00	3.92	5.83	4	38	18	90	0.00	0.0	1.593	0.003	0	0	0	4
PD.8782	PL.60843	C	25T	7.26Y	121.1	0.00	3.92	5.83	0	38	18	90	0.00	0.0	1.593	0.003	0	0	0	4
PL.59437	PD.8782	C	#4 ACSR	7.26Y	121.1	0.01	3.93	5.83	4	38	18	90	0.00	0.0	1.645	0.052	20	10	2	4
PL.35361	PL.59437	C	#4 ACSR	7.26Y	121.1	0.01	3.94	2.76	2	18	9	89	0.00	0.0	1.713	0.068	0	0	0	2
PL.35362	PL.35361	C	#4 ACSR	7.26Y	121.1	0.00	3.94	2.76	2	18	9	89	0.00	0.0	1.766	0.053	18	9	2	2
PL.60842	PL.62937	ABC	#3/0 ACSR	7.25Y	120.9	0.18	4.10	161.87	54	3195	1497	91	3.54	0.1	1.670	0.080	6	3	2	463
PL.35282	PL.60842	ABC	#3/0 ACSR	7.25Y	120.8	0.07	4.18	78.56	26	1540	742	90	0.69	0.0	1.737	0.067	0	0	0	250
PL.35283	PL.35282	ABC	#3/0 ACSR	7.24Y	120.7	0.09	4.27	77.75	26	1524	734	90	0.86	0.1	1.822	0.085	11	5	1	247
PL.35247	PL.35283	ABC	#3/0 ACSR	7.24Y	120.7	0.07	4.34	76.20	25	1492	718	90	0.66	0.0	1.890	0.068	0	0	0	242
PL.35712	PL.35247	ABC	#3/0 ACSR	7.24Y	120.7	0.00	4.34	76.20	25	1492	717	90	0.01	0.0	1.891	0.001	0	0	0	242
C PD.5854	PL.35712	ABC	70L	7.24Y	120.7	0.00	4.34	76.20	109	1492	717	90	0.00	0.0	1.891	0.001	0	0	0	242 C
PL.52448	PD.5854	ABC	#3/0 ACSR	7.24Y	120.6	0.04	4.39	76.20	25	1492	717	90	0.37	0.0	1.928	0.038	0	0	0	242
PL.52450	PL.52448	C	6 A (CWC)	7.24Y	120.6	0.00	4.39	8.69	6	57	27	90	0.00	0.0	1.930	0.001	0	0	0	5
PD.8023	PL.52450	C	40QA	7.24Y	120.6	0.00	4.39	8.69	22	57	27	90	0.00	0.0	1.930	0.001	0	0	0	5
PL.52447	PD.8023	C	6 A (CWC)	7.24Y	120.6	0.01	4.39	8.69	6	57	27	90	0.00	0.0	1.953	0.023	32	15	3	5
PL.52446	PL.52447	C	6 A (CWC)	7.24Y	120.6	0.00	4.40	3.78	3	25	12	90	0.00	0.0	1.982	0.028	25	12	2	2
PL.35711	PL.52446	C	6 A (CWC)	7.24Y	120.6	0.00	4.40	0.00	0	0	0	100	0.00	0.0	2.045	0.063	0	0	0	0
PL.52451	PL.52448	ABC	#1/0 ACSR	7.24Y	120.6	0.00	4.39	12.56	5	245	119	90	0.00	0.0	1.929	0.001	0	0	0	39
PD.8024	PL.52451	ABC	50QA	7.24Y	120.6	0.00	4.39	12.56	25	245	119	90	0.00	0.0	1.929	0.001	0	0	0	39
PL.52453	PD.8024	ABC	#1/0 ACSR	7.24Y	120.6	0.01	4.40	12.56	5	245	119	90	0.02	0.0	1.981	0.052	9	4	1	39
PL.52454	PL.52453	C	#2 ACSR	7.24Y	120.6	0.00	4.40	1.01	1	7	3	92	0.00	0.0	1.982	0.001	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: Laurel Ind 1

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - 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.8026	PL.52454	C	20QA	7.24Y	120.6	0.00	4.40	1.01	5	7	3	92	0.00	0.0	1.982	0.001	0	0	0	1
PL.52455	PD.8026	C	#2 ACSR	7.24Y	120.6	0.00	4.40	1.01	1	7	3	92	0.00	0.0	2.028	0.046	7	3	1	1
PL.52456	PL.52453	ABC	#1/0 ACSR	7.24Y	120.6	0.01	4.41	11.75	5	230	111	90	0.02	0.0	2.040	0.059	0	0	0	37
PL.60840	PL.52456	ABC	#1/0 ACSR	7.23Y	120.6	0.01	4.43	11.28	5	220	107	90	0.02	0.0	2.104	0.064	6	3	1	36
PL.60841	PL.60840	ABC	#1/0 ACSR	7.23Y	120.6	0.01	4.44	10.95	5	214	104	90	0.02	0.0	2.172	0.068	0	0	0	35
PL.52491	PL.60841	C	#2 ACSR	7.23Y	120.6	0.00	4.44	3.50	2	23	11	90	0.00	0.0	2.174	0.002	0	0	0	4
PD.8072	PL.52491	C	25QA	7.23Y	120.6	0.00	4.44	3.50	14	23	11	90	0.00	0.0	2.174	0.002	0	0	0	4
PL.52492	PD.8072	C	#4 ACSR	7.23Y	120.6	0.01	4.45	3.50	3	23	11	90	0.00	0.0	2.217	0.043	0	0	0	4
PL.52489	PL.52492	C	#2 ACSR	7.23Y	120.6	0.00	4.45	2.18	1	14	7	89	0.00	0.0	2.272	0.055	14	7	2	2
PL.52159	PL.52489	C	#2 ACSR	7.23Y	120.6	0.00	4.45	0.00	0	0	0	100	0.00	0.0	2.298	0.026	0	0	0	0
PL.52490	PL.52492	C	#4 ACSR	7.23Y	120.6	0.00	4.45	1.33	1	9	4	91	0.00	0.0	2.261	0.044	9	4	2	2
PL.52458	PL.60841	ABC	#1/0 ACSR	7.23Y	120.5	0.01	4.45	9.79	4	191	93	90	0.02	0.0	2.242	0.070	18	8	2	31
PL.52459	PL.52458	ABC	#1/0 ACSR	7.23Y	120.5	0.01	4.46	8.89	4	174	84	90	0.01	0.0	2.272	0.030	0	0	0	29
PL.52460	PL.52459	C	#1/0 ACSR	7.23Y	120.5	0.00	4.46	0.91	0	6	3	89	0.00	0.0	2.291	0.019	6	3	2	2
PL.52465	PL.52459	ABC	#1/0 ACSR	7.23Y	120.5	0.01	4.46	8.59	4	168	81	90	0.01	0.0	2.307	0.035	7	3	1	27
PL.52466	PL.52465	A	#1/0 ACSR	7.23Y	120.5	0.00	4.46	2.19	1	14	7	89	0.00	0.0	2.309	0.003	0	0	0	2
PD.8027	PL.52466	A	15T	7.23Y	120.5	0.00	4.46	2.19	0	14	7	89	0.00	0.0	2.309	0.003	0	0	0	2
PL.57547	PD.8027	A	#1/0 ACSR	7.23Y	120.5	0.00	4.47	2.19	1	14	7	89	0.00	0.0	2.425	0.116	7	4	1	2
PL.57548	PL.57547	A	#1/0 ACSR	7.23Y	120.5	0.00	4.47	1.07	0	7	3	92	0.00	0.0	2.462	0.037	7	3	1	1
PL.52467	PL.52465	A	#2 ACSR	7.23Y	120.5	0.00	4.46	7.12	4	46	22	90	0.00	0.0	2.309	0.002	0	0	0	4
PD.8028	PL.52467	A	25QA	7.23Y	120.5	0.00	4.46	7.12	28	46	22	90	0.00	0.0	2.309	0.002	0	0	0	4
PL.52461	PD.8028	A	#2 ACSR	7.23Y	120.5	0.01	4.48	7.12	4	46	22	90	0.00	0.0	2.364	0.055	13	6	1	4
PL.52462	PL.52461	A	#2 ACSR	7.23Y	120.5	0.00	4.48	5.09	3	33	16	90	0.00	0.0	2.400	0.036	22	11	2	3
PL.52463	PL.52462	A	#2 ACSR	7.23Y	120.5	0.00	4.48	1.64	1	11	5	91	0.00	0.0	2.418	0.018	0	0	0	1
PL.52464	PL.52463	A	#2 ACSR	7.23Y	120.5	0.00	4.48	1.64	1	11	5	91	0.00	0.0	2.455	0.036	11	5	1	1
PL.52468	PL.52465	ABC	#1/0 ACSR	7.23Y	120.5	0.00	4.47	5.14	2	100	49	90	0.00	0.0	2.356	0.050	10	5	2	20
PL.52150	PL.52468	ABC	#1/0 ACSR	7.23Y	120.5	0.00	4.47	4.63	2	90	44	90	0.00	0.0	2.407	0.051	0	0	0	18
PL.52153	PL.52150	ABC	#1/0 ACSR	7.23Y	120.5	0.00	4.48	4.63	2	90	44	90	0.00	0.0	2.461	0.053	0	0	0	18
PL.52156	PL.52153	A	6 A (CWC)	7.23Y	120.5	0.00	4.48	12.16	9	79	38	90	0.00	0.0	2.464	0.003	0	0	0	16
PD.8030	PL.52156	A	50QA	7.23Y	120.5	0.00	4.48	12.16	24	79	38	90	0.00	0.0	2.464	0.003	0	0	0	16
PL.52157	PD.8030	A	6 A (CWC)	7.23Y	120.5	0.05	4.53	12.16	9	79	38	90	0.03	0.0	2.544	0.080	0	0	0	16

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

Balanced Voltage Drop Report
Source: Laurel Ind 1

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - 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.52152	PL.52157	A	6 A (CWC)	7.22Y	120.3	0.13	4.66	11.11	8	72	35	90	0.08	0.1	2.795	0.251	0	0	0	15
PL.35451	PL.52152	A	6 A (CWC)	7.22Y	120.3	0.02	4.68	8.89	6	58	28	90	0.01	0.0	2.848	0.053	0	0	1	9
PL.35452	PL.35451	A	6 A (CWC)	7.22Y	120.3	0.03	4.71	8.89	6	58	28	90	0.01	0.0	2.920	0.071	0	0	0	8
PL.34042	PL.35452	A	#4 ACSR	7.22Y	120.3	0.00	4.71	1.32	1	9	4	91	0.00	0.0	3.033	0.113	9	4	1	1
PL.35454	PL.35452	A	6 A (CWC)	7.22Y	120.3	0.02	4.73	6.91	5	45	22	90	0.01	0.0	2.993	0.073	0	0	0	6
PL.35866	PL.35454	A	6 A (CWC)	7.21Y	120.2	0.03	4.76	5.60	4	36	18	89	0.01	0.0	3.097	0.104	0	0	0	5
PL.34974	PL.35866	A	6 A (CWC)	7.21Y	120.2	0.06	4.83	5.60	4	36	18	89	0.02	0.0	3.368	0.271	10	5	1	5
PL.34050	PL.34974	A	6 A (CWC)	7.21Y	120.1	0.03	4.85	4.12	3	27	13	90	0.01	0.0	3.527	0.159	3	1	1	4
PL.35870	PL.34050	A	#4 ACSR	7.21Y	120.1	0.02	4.87	3.69	3	24	12	89	0.00	0.0	3.647	0.120	9	4	1	3
PL.35871	PL.35870	A	#4 ACSR	7.21Y	120.1	0.00	4.88	2.34	2	15	7	91	0.00	0.0	3.723	0.076	15	7	2	2
PL.51869	PL.34050	A	6 A (CWC)	7.21Y	120.1	0.00	4.85	0.00	0	0	0	100	0.00	0.0	3.570	0.044	0	0	0	0
PL.34807	PL.35454	A	#4 ACSR	7.22Y	120.3	0.00	4.74	1.30	1	8	4	89	0.00	0.0	3.069	0.077	8	4	1	1
PL.35869	PL.34807	A	#4 ACSR	7.22Y	120.3	0.00	4.74	0.00	0	0	0	100	0.00	0.0	3.161	0.092	0	0	0	0
PL.64539	PL.35452	A	#1/0 ACSR	7.22Y	120.3	0.00	4.71	0.66	0	4	2	89	0.00	0.0	2.935	0.015	4	2	1	1
PL.35867	PL.52152	A	6 A (CWC)	7.22Y	120.3	0.01	4.67	2.21	2	14	7	89	0.00	0.0	2.859	0.064	0	0	0	6
PL.35453	PL.35867	A	6 A (CWC)	7.22Y	120.3	0.00	4.67	0.00	0	0	0	100	0.00	0.0	3.008	0.149	0	0	0	0
PL.35699	PL.35453	A	6 A (CWC)	7.22Y	120.3	0.00	4.67	0.00	0	0	0	100	0.00	0.0	3.172	0.165	0	0	0	0
PL.51846	PL.35699	A	6 A (CWC)	7.22Y	120.3	0.00	4.67	0.00	0	0	0	100	0.00	0.0	3.284	0.112	0	0	0	0
PL.51847	PL.51846	A	#1/0 ACSR	7.22Y	120.3	0.00	4.67	0.00	0	0	0	100	0.00	0.0	3.324	0.041	0	0	0	0
PL.35868	PL.35867	A	6 A (CWC)	7.22Y	120.3	0.01	4.67	2.21	2	14	7	89	0.00	0.0	2.908	0.049	0	0	1	6
PL.35450	PL.35868	A	6 A (CWC)	7.22Y	120.3	0.00	4.67	0.64	0	4	2	89	0.00	0.0	2.952	0.044	4	2	1	1
PL.34888	PL.35868	A	6 A (CWC)	7.22Y	120.3	0.00	4.67	1.56	1	10	5	89	0.00	0.0	2.985	0.077	10	5	4	4
PL.52158	PL.52157	A	#2 ACSR	7.23Y	120.5	0.00	4.53	1.05	1	7	3	92	0.00	0.0	2.660	0.116	7	3	1	1
PL.52155	PL.52153	C	#2 ACSR	7.23Y	120.5	0.00	4.48	1.59	1	10	5	89	0.00	0.0	2.465	0.004	0	0	0	1
PD.8029	PL.52155	C	25QA	7.23Y	120.5	0.00	4.48	1.59	6	10	5	89	0.00	0.0	2.465	0.004	0	0	0	1
PL.52151	PD.8029	C	#2 ACSR	7.23Y	120.5	0.00	4.48	1.59	1	10	5	89	0.00	0.0	2.503	0.038	10	5	1	1
PL.52154	PL.52153	A	#4 ACSR	7.23Y	120.5	0.00	4.48	0.15	0	1	0	100	0.00	0.0	2.481	0.020	1	0	1	1
PL.52457	PL.52456	A	#4 ACSR	7.24Y	120.6	0.00	4.41	1.42	1	9	4	91	0.00	0.0	2.042	0.002	0	0	0	1
PD.8025	PL.52457	A	20QA	7.24Y	120.6	0.00	4.41	1.42	7	9	4	91	0.00	0.0	2.042	0.002	0	0	0	1
PL.72531	PD.8025	A	#1/0 ACSR	7.24Y	120.6	0.00	4.41	1.42	1	9	4	91	0.00	0.0	2.104	0.062	0	0	0	1
PL.72532	PL.72531	A	#1/0 ACSR	7.24Y	120.6	0.00	4.41	1.42	1	9	4	91	0.00	0.0	2.104	0.000	9	4	1	1

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

Balanced Voltage Drop Report
Source: Laurel Ind 1

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - 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.52449	PL.52448	ABC	#3/0 ACSR	7.23Y	120.6	0.05	4.43	60.75	20	1190	570	90	0.33	0.0	1.981	0.053	0	0	0	198
PL.35865	PL.52449	ABC	#3/0 ACSR	7.22Y	120.4	0.20	4.63	60.46	20	1184	567	90	1.43	0.1	2.214	0.233	0	0	0	197
PL.35584	PL.35865	ABC	#3/0 ACSR	7.22Y	120.3	0.03	4.67	48.43	16	948	451	90	0.20	0.0	2.264	0.050	0	0	0	162
PL.36591	PL.35584	B	#4 ACSR	7.22Y	120.3	0.00	4.67	1.53	1	10	5	89	0.00	0.0	2.265	0.001	0	0	0	1
PD.5130	PL.36591	B	40QA	7.22Y	120.3	0.00	4.67	1.53	4	10	5	89	0.00	0.0	2.265	0.001	0	0	0	1
PL.36592	PD.5130	B	#4 ACSR	7.22Y	120.3	0.01	4.68	1.53	1	10	5	89	0.00	0.0	2.406	0.141	0	0	0	1
PL.35585	PL.36592	B	#4 ACSR	7.22Y	120.3	0.00	4.68	1.53	1	10	5	89	0.00	0.0	2.455	0.049	10	5	1	1
PL.35586	PL.35585	B	#4 ACSR	7.22Y	120.3	0.00	4.68	0.00	0	0	0	100	0.00	0.0	2.478	0.023	0	0	0	0
PL.60609	PL.35584	ABC	#3/0 ACSR	7.22Y	120.3	0.02	4.69	47.92	16	937	446	90	0.14	0.0	2.300	0.036	5	3	1	161
PL.60608	PL.60609	ABC	#3/0 ACSR	7.22Y	120.3	0.05	4.74	42.61	14	833	397	90	0.26	0.0	2.386	0.086	0	0	0	139
PL.34746	PL.60608	ABC	#3/0 ACSR	7.21Y	120.2	0.04	4.78	41.35	14	808	385	90	0.17	0.0	2.448	0.061	17	8	3	135
PL.35522	PL.34746	ABC	#3/0 ACSR	7.21Y	120.2	0.03	4.81	40.49	13	791	376	90	0.16	0.0	2.507	0.059	6	3	1	132
PL.33963	PL.35522	A	#4 ACSR	7.21Y	120.2	0.00	4.81	0.72	1	5	2	93	0.00	0.0	2.576	0.070	5	2	1	1
PL.35281	PL.35222	ABC	#3/0 ACSR	7.21Y	120.2	0.03	4.84	39.45	13	771	366	90	0.14	0.0	2.562	0.055	0	0	0	129
PL.35296	PL.35281	ABC	#3/0 ACSR	7.21Y	120.1	0.02	4.87	38.61	13	755	358	90	0.10	0.0	2.602	0.040	8	4	1	126
PL.36614	PL.35296	ABC	#3/0 ACSR	7.21Y	120.1	0.03	4.89	38.22	13	747	354	90	0.13	0.0	2.653	0.052	0	0	0	125
PL.36615	PL.36614	ABC	#3/0 ACSR	7.20Y	120.0	0.09	4.98	38.22	13	747	354	90	0.38	0.1	2.809	0.156	0	0	1	125
PL.36709	PL.36615	ABC	#3/0 ACSR	7.20Y	120.0	0.02	5.00	38.22	13	746	353	90	0.09	0.0	2.847	0.038	0	0	0	124
PL.34251	PL.36709	ABC	1/0 AL URD	7.20Y	120.0	0.00	5.00	1.60	1	34	5	99	0.00	0.0	2.886	0.039	34	6	1	1
PL.35007	PL.36709	A	#4 ACSR	7.20Y	120.0	0.00	5.00	13.11	10	85	41	90	0.00	0.0	2.848	0.001	0	0	0	15
PD.5727	PL.35007	A	40QA	7.20Y	120.0	0.00	5.00	13.11	33	85	41	90	0.00	0.0	2.848	0.001	0	0	0	15
PL.35972	PD.5727	A	#4 ACSR	7.20Y	120.0	0.03	5.03	13.11	10	85	41	90	0.02	0.0	2.903	0.055	10	5	1	15
PL.36430	PL.35972	A	#4 ACSR	7.19Y	119.9	0.08	5.11	11.58	9	75	36	90	0.05	0.1	3.065	0.162	10	5	1	14
PL.36431	PL.36430	A	#4 ACSR	7.19Y	119.9	0.02	5.14	10.11	8	65	32	90	0.01	0.0	3.117	0.052	0	0	0	13
PL.36435	PL.36431	A	#2 ACSR	7.19Y	119.9	0.00	5.14	2.32	1	15	7	91	0.00	0.0	3.149	0.032	8	4	1	3
PL.36590	PL.36435	A	#2 ACSR	7.19Y	119.9	0.00	5.14	1.07	1	7	3	92	0.00	0.0	3.192	0.043	7	3	2	2
PL.60625	PL.36431	A	#4 ACSR	7.19Y	119.8	0.02	5.16	7.79	6	50	24	90	0.01	0.0	3.186	0.069	6	3	4	10
PL.60626	PL.60625	A	#4 ACSR	7.19Y	119.8	0.00	5.16	6.90	5	45	22	90	0.00	0.0	3.200	0.014	25	12	3	6
PL.60627	PL.60626	A	#4 ACSR	7.19Y	119.8	0.01	5.17	3.04	2	20	10	89	0.00	0.0	3.282	0.081	7	3	1	3
PL.36434	PL.60627	A	#4 ACSR	7.19Y	119.8	0.00	5.17	1.34	1	9	4	91	0.00	0.0	3.322	0.041	9	4	1	1
PL.64633	PL.36434	A	#4 ACSR	7.19Y	119.8	0.00	5.17	0.00	0	0	0	100	0.00	0.0	3.335	0.012	0	0	0	0

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

Balanced Voltage Drop Report
Source: Laurel Ind 1

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - 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.9551-A	PL.64633	A	Open	7.19Y	119.8	0.00	5.17	0.00	0	0	0	100	0.00	0.0	3.335	0.012	0	0	0	0
PL.36432	PL.60627	A	#4 ACSR	7.19Y	119.8	0.00	5.17	0.68	1	4	2	89	0.00	0.0	3.316	0.034	0	0	0	1
PL.36433	PL.36432	A	#4 ACSR	7.19Y	119.8	0.00	5.17	0.68	1	4	2	89	0.00	0.0	3.344	0.029	4	2	1	1
PL.34541	PL.36709	ABC	#3/0 ACSR	7.20Y	120.0	0.03	5.03	32.32	11	627	307	90	0.13	0.0	2.921	0.074	0	0	0	108
PL.37173	PL.34541	B	6 A (CWC)	7.20Y	120.0	0.00	5.04	96.96	69	627	307	90	0.00	0.0	2.922	0.000	0	0	0	108
PL.37174	PL.37173	B	6 A (CWC)	7.14Y	119.0	0.96	6.00	96.96	69	627	307	90	4.77	0.8	3.132	0.211	7	3	1	108
PL.36265	PL.37174	B	6 A (CWC)	7.12Y	118.7	0.26	6.26	95.94	69	616	300	90	1.26	0.2	3.189	0.057	1	1	1	107
PL.35273	PL.36265	B	6 A (CWC)	7.11Y	118.5	0.29	6.54	88.07	63	564	275	90	1.27	0.2	3.259	0.070	25	12	3	99
PL.34594	PL.35273	B	6 A (CWC)	7.09Y	118.1	0.33	6.87	84.11	60	537	262	90	1.40	0.3	3.341	0.082	6	3	1	96
PL.36261	PL.34594	B	#4 ACSR	7.09Y	118.1	0.00	6.87	0.92	1	6	3	89	0.00	0.0	3.355	0.014	0	0	0	1
PL.35016	PL.36261	B	#4 ACSR	7.09Y	118.1	0.00	6.87	0.00	0	0	0	100	0.00	0.0	3.367	0.012	0	0	0	0
PL.36262	PL.36261	B	#4 ACSR	7.09Y	118.1	0.00	6.87	0.92	1	6	3	89	0.00	0.0	3.440	0.085	6	3	1	1
PL.36263	PL.34594	B	#4 ACSR	7.09Y	118.1	0.01	6.88	5.06	4	32	16	89	0.00	0.0	3.401	0.060	22	11	4	5
PL.36264	PL.36263	B	#4 ACSR	7.09Y	118.1	0.00	6.88	1.62	1	10	5	89	0.00	0.0	3.447	0.046	10	5	1	1
L PL.36259	PL.34594	B	6 A (CWC)	7.07Y	117.9	0.27	7.14	77.13	55	491	240	90	1.06	0.2	3.417	0.076	19	9	3	89 L
L PL.36260	PL.36259	B	6 A (CWC)	7.06Y	117.7	0.13	7.28	71.29	51	453	221	90	0.48	0.1	3.457	0.040	15	7	4	83 L
L PL.36254	PL.36260	B	6 A (CWC)	7.05Y	117.5	0.26	7.53	59.64	43	379	185	90	0.79	0.2	3.548	0.091	0	0	0	67 L
L PL.63100	PL.36254	B	#1/0 ACSR	7.05Y	117.5	0.00	7.53	1.14	0	7	3	92	0.00	0.0	3.552	0.003	0	0	0	1 L
L PD.9462	PL.63100	B	20T	7.05Y	117.5	0.00	7.53	1.14	0	7	3	92	0.00	0.0	3.552	0.003	0	0	0	1 L
L PL.63101	PD.9462	B	#1/0 ACSR	7.05Y	117.5	0.00	7.53	1.14	0	7	3	92	0.00	0.0	3.577	0.025	7	3	1	1 L
L PL.36255	PL.36254	B	6 A (CWC)	7.03Y	117.2	0.29	7.83	58.50	42	371	181	90	0.87	0.2	3.654	0.106	3	2	2	66 L
L PL.36576	PL.36255	B	6 A (CWC)	7.03Y	117.1	0.04	7.87	55.65	40	352	172	90	0.13	0.0	3.671	0.017	0	0	0	63 L
L PL.65748	PL.36576	B	#4 ACSR	7.03Y	117.1	0.00	7.87	3.37	3	21	10	90	0.00	0.0	3.674	0.003	0	0	0	6 L
L PD.9587	PL.65748	B	T	7.03Y	117.1	0.00	7.87	3.37	0	21	10	90	0.00	0.0	3.674	0.003	0	0	0	6 L
L PL.65749	PD.9587	B	#4 ACSR	7.03Y	117.1	0.01	7.88	3.37	3	21	10	90	0.00	0.0	3.707	0.033	0	0	0	6 L
L PL.36577	PL.65749	B	#4 ACSR	7.03Y	117.1	0.01	7.88	1.98	2	13	6	91	0.00	0.0	3.777	0.071	0	0	0	3 L
L PL.36580	PL.36577	B	#4 ACSR	7.03Y	117.1	0.00	7.88	1.98	2	13	6	91	0.00	0.0	3.815	0.037	5	2	1	3 L
L PL.36253	PL.36580	B	#4 ACSR	7.03Y	117.1	0.00	7.89	1.24	1	8	4	89	0.00	0.0	3.887	0.072	0	0	0	2 L
L PL.36961	PL.36253	B	#4 ACSR	7.03Y	117.1	0.01	7.90	1.24	1	8	4	89	0.00	0.0	4.187	0.300	7	3	1	2 L
L PL.37160	PL.36961	B	#4 ACSR	7.03Y	117.1	0.00	7.90	0.12	0	1	0	100	0.00	0.0	4.252	0.065	1	0	1	1 L
L PL.36579	PL.65749	B	#4 ACSR	7.03Y	117.1	0.00	7.88	1.39	1	9	4	91	0.00	0.0	3.752	0.045	9	4	3	3 L

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: Laurel Ind 1

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - 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.36575	PL.36576	B	6 A (CWC)	7.01Y	116.8	0.29	8.16	52.28	37	330	161	90	0.79	0.2	3.790	0.120	5	2	1	57 L
L PL.63790	PL.36575	B	6 A (CWC)	7.00Y	116.6	0.21	8.38	51.51	37	325	158	90	0.56	0.2	3.878	0.088	5	3	1	56 L
L PL.36574	PL.63790	B	#4 ACSR	7.00Y	116.6	0.00	8.38	1.33	1	8	4	89	0.00	0.0	3.946	0.069	8	4	2	2 L
L PL.36573	PL.63790	B	#4 ACSR	7.00Y	116.6	0.00	8.38	1.16	1	7	4	87	0.00	0.0	3.910	0.032	7	4	2	2 L
L PL.63791	PL.63790	B	6 A (CWC)	6.93Y	115.5	1.09	9.46	48.19	34	303	148	90	2.67	0.9	4.355	0.477	2	1	1	51 L
L PL.57489	PL.63791	B	6 A (CWC)	6.93Y	115.5	0.00	9.46	1.69	1	11	5	91	0.00	0.0	4.358	0.003	0	0	0	2 L
L PD.8372	PL.57489	B	25T	6.93Y	115.5	0.00	9.46	1.69	0	11	5	91	0.00	0.0	4.358	0.003	0	0	0	2 L
L PL.57490	PD.8372	B	6 A (CWC)	6.93Y	115.5	0.00	9.47	1.69	1	11	5	91	0.00	0.0	4.399	0.041	0	0	0	2 L
L PL.35803	PL.57490	B	6 A (CWC)	6.93Y	115.5	0.00	9.47	1.69	1	11	5	91	0.00	0.0	4.440	0.041	0	0	0	2 L
L PL.36625	PL.35803	B	6 A (CWC)	6.93Y	115.5	0.01	9.48	1.69	1	11	5	91	0.00	0.0	4.629	0.190	8	4	1	2 L
L PL.36626	PL.36625	B	6 A (CWC)	6.93Y	115.5	0.00	9.48	0.38	0	2	1	89	0.00	0.0	4.689	0.060	0	0	0	1 L
L PL.36627	PL.36626	B	6 A (CWC)	6.93Y	115.5	0.00	9.48	0.00	0	0	0	100	0.00	0.0	4.715	0.026	0	0	0	0 L
L PL.33964	PL.36626	B	#4 ACSR	6.93Y	115.5	0.00	9.48	0.38	0	2	1	89	0.00	0.0	4.810	0.121	0	0	0	1 L
L PL.63108	PL.33964	B	#1/0 ACSR	6.93Y	115.5	0.00	9.48	0.38	0	2	1	89	0.00	0.0	4.832	0.022	0	0	0	1 L
L PL.63109	PL.63108	B	#1/0 ACSR	6.93Y	115.5	0.00	9.48	0.38	0	2	1	89	0.00	0.0	4.882	0.050	0	0	0	1 L
L PL.63110	PL.63109	B	#1/0 ACSR	6.93Y	115.5	0.00	9.48	0.38	0	2	1	89	0.00	0.0	4.931	0.048	2	1	1	1 L
L PL.35266	PL.36626	B	#4 ACSR	6.93Y	115.5	0.00	9.48	0.00	0	0	0	100	0.00	0.0	4.854	0.165	0	0	0	0 L
L PL.33965	PL.57490	B	6 A (CWC)	6.93Y	115.5	0.00	9.47	0.00	0	0	0	100	0.00	0.0	4.469	0.071	0	0	0	0 L
L PL.64807	PL.63791	B	#1/0 ACSR	6.93Y	115.5	0.08	9.54	46.11	20	287	140	90	0.15	0.1	4.421	0.067	0	0	0	48 L
L PL.64809	PL.64807	B	#1/0 ACSR	6.93Y	115.5	0.00	9.54	0.00	0	0	0	100	0.00	0.0	4.423	0.002	0	0	0	0 L
L PD.9561	PL.64809	B	20T	6.93Y	115.5	0.00	9.54	0.00	0	0	0	100	0.00	0.0	4.423	0.002	0	0	0	0 L
L PL.64810	PD.9561	B	#1/0 ACSR	6.93Y	115.5	0.00	9.54	0.00	0	0	0	100	0.00	0.0	4.483	0.060	0	0	0	0 L
L PL.64811	PL.64810	B	#1/0 ACSR	6.93Y	115.5	0.00	9.54	0.00	0	0	0	100	0.00	0.0	4.544	0.061	0	0	0	0 L
L PL.64812	PL.64811	B	#1/0 ACSR	6.93Y	115.5	0.00	9.54	0.00	0	0	0	100	0.00	0.0	4.605	0.061	0	0	0	0 L
L PL.64808	PL.64807	B	#1/0 ACSR	6.92Y	115.4	0.07	9.61	46.11	20	287	140	90	0.14	0.0	4.483	0.062	0	0	0	48 L
L PL.34439	PL.64808	B	6 A (CWC)	6.92Y	115.4	0.00	9.61	0.00	0	0	0	100	0.00	0.0	4.540	0.057	0	0	0	0 L
L PL.35903	PL.64808	B	6 A (CWC)	6.90Y	115.1	0.33	9.94	45.09	32	281	136	90	0.76	0.3	4.636	0.153	0	0	0	47 L
L PL.34044	PL.35903	B	6 A (CWC)	6.90Y	115.0	0.01	9.95	2.64	2	16	8	89	0.00	0.0	4.741	0.106	7	3	1	2 L
L PL.60702	PL.34044	B	#1/0 ACSR	6.90Y	115.0	0.00	9.95	1.54	1	10	5	89	0.00	0.0	4.795	0.054	10	5	1	1 L
L PL.35902	PL.35903	B	6 A (CWC)	6.89Y	114.9	0.20	10.14	42.46	30	264	128	90	0.44	0.2	4.737	0.101	4	2	1	45 L
L PL.33368	PL.35902	B	#4 ACSR	6.89Y	114.9	0.00	10.14	0.84	1	5	3	86	0.00	0.0	4.829	0.092	5	3	1	1 L

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: Laurel Ind 1

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - 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.35901	PL.35902	B	6 A (CWC)	6.87Y	114.6	0.28	10.42	40.96	29	254	123	90	0.58	0.2	4.881	0.144	4	2	1	43 L
L PL.35900	PL.35901	B	6 A (CWC)	6.86Y	114.4	0.18	10.61	40.36	29	250	121	90	0.38	0.2	4.977	0.096	0	0	0	42 L
L PL.35787	PL.35900	B	#1/0 ACSR	6.86Y	114.4	0.03	10.63	40.36	18	249	121	90	0.04	0.0	5.002	0.025	0	0	0	42 L
L PL.36161	PL.35787	B	6 A (CWC)	6.86Y	114.4	0.00	10.63	20.25	14	125	61	90	0.00	0.0	5.004	0.002	0	0	0	20 L
L PD.5859	PL.36161	B	35L	6.86Y	114.4	0.00	10.63	20.25	58	125	61	90	0.00	0.0	5.004	0.002	0	0	0	20 L
L PL.36162	PD.5859	B	6 A (CWC)	6.86Y	114.3	0.09	10.72	20.25	14	125	61	90	0.09	0.1	5.097	0.093	0	0	0	20 L
L PL.35896	PL.36162	B	6 A (CWC)	6.85Y	114.2	0.03	10.76	20.25	14	125	61	90	0.03	0.0	5.131	0.034	0	0	1	20 L
L PL.35897	PL.35896	B	6 A (CWC)	6.85Y	114.1	0.12	10.88	20.25	14	125	61	90	0.13	0.1	5.257	0.126	0	0	0	19 L
L PL.34723	PL.35897	B	6 A (CWC)	6.85Y	114.1	0.02	10.90	12.83	9	79	38	90	0.01	0.0	5.293	0.036	0	0	0	12 L
L PL.33596	PL.34723	B	#1/0 ACSR	6.85Y	114.1	0.00	10.90	0.00	0	0	0	100	0.00	0.0	5.352	0.059	0	0	0	0 L
L PL.63789	PL.34723	B	6 A (CWC)	6.84Y	114.1	0.04	10.94	12.83	9	79	38	90	0.03	0.0	5.367	0.074	8	4	1	12 L
L PL.63787	PL.63789	B	6 A (CWC)	6.84Y	114.0	0.05	10.99	11.51	8	71	34	90	0.02	0.0	5.462	0.095	17	8	3	11 L
L PL.63788	PL.63787	B	6 A (CWC)	6.84Y	114.0	0.03	11.01	8.70	6	54	26	90	0.01	0.0	5.526	0.064	0	0	0	8 L
L PL.33752	PL.63788	B	6 A (CWC)	6.84Y	114.0	0.00	11.02	1.67	1	10	5	89	0.00	0.0	5.605	0.079	10	5	1	1 L
L PL.36080	PL.63788	B	6 A (CWC)	6.84Y	114.0	0.02	11.03	7.03	5	43	21	90	0.01	0.0	5.601	0.075	14	7	2	7 L
L PL.35460	PL.36080	B	6 A (CWC)	6.84Y	114.0	0.01	11.05	4.76	3	29	14	90	0.00	0.0	5.669	0.068	8	4	1	5 L
L PL.35461	PL.35460	B	6 A (CWC)	6.84Y	113.9	0.01	11.06	3.40	2	21	10	90	0.00	0.0	5.756	0.087	0	0	0	4 L
L PL.34841	PL.35461	B	6 A (CWC)	6.84Y	113.9	0.00	11.06	0.00	0	0	0	100	0.00	0.0	5.829	0.072	0	0	0	0 L
L PL.36628	PL.35461	B	6 A (CWC)	6.84Y	113.9	0.01	11.07	3.40	2	21	10	90	0.00	0.0	5.849	0.093	8	4	1	4 L
L PL.33916	PL.36628	B	6 A (CWC)	6.84Y	113.9	0.01	11.08	2.12	2	13	6	91	0.00	0.0	5.937	0.088	0	0	0	3 L
L PL.57278	PL.33916	B	6 A (CWC)	6.83Y	113.9	0.03	11.11	2.12	2	13	6	91	0.00	0.0	6.283	0.346	6	3	1	3 L
L PL.57277	PL.57278	B	6 A (CWC)	6.83Y	113.9	0.00	11.11	1.21	1	7	4	87	0.00	0.0	6.318	0.035	0	0	0	2 L
L PL.57615	PL.57277	B	#4 ACSR	6.83Y	113.9	0.00	11.11	0.85	1	5	3	86	0.00	0.0	6.353	0.035	0	0	0	1 L
L PL.57616	PL.57615	B	#4 ACSR	6.83Y	113.9	0.00	11.11	0.85	1	5	3	86	0.00	0.0	6.393	0.041	5	3	1	1 L
L PL.34860	PL.57277	B	6 A (CWC)	6.83Y	113.9	0.00	11.11	0.36	0	2	1	89	0.00	0.0	6.446	0.128	2	1	1	1 L
L PL.64739	PL.35897	B	6 A (CWC)	6.85Y	114.1	0.03	10.91	7.42	5	46	22	90	0.01	0.0	5.347	0.090	0	0	0	7 L
L PL.64740	PL.64739	B	6 A (CWC)	6.84Y	114.1	0.02	10.93	7.42	5	46	22	90	0.01	0.0	5.416	0.069	8	4	1	7 L
L PL.34977	PL.64740	B	#2 ACSR	6.84Y	114.1	0.00	10.93	1.39	1	9	4	91	0.00	0.0	5.509	0.093	9	4	1	1 L
L PL.36569	PL.64740	B	6 A (CWC)	6.84Y	114.1	0.02	10.95	4.68	3	29	14	90	0.00	0.0	5.485	0.069	0	0	0	5 L
L PL.34678	PL.36569	B	#2 ACSR	6.84Y	114.1	0.00	10.95	2.20	1	14	7	89	0.00	0.0	5.557	0.072	7	3	1	2 L
L PL.35895	PL.34678	B	#2 ACSR	6.84Y	114.0	0.00	10.95	1.12	1	7	3	92	0.00	0.0	5.637	0.080	7	3	1	1 L

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: Laurel Ind 1

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - 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.36570	PL.36569	B	6 A (CWC)	6.84Y	114.0	0.01	10.95	2.48	2	15	7	91	0.00	0.0	5.545	0.060	0	0	0	3 L
L PL.36571	PL.36570	B	6 A (CWC)	6.84Y	114.0	0.00	10.96	2.48	2	15	7	91	0.00	0.0	5.587	0.042	11	5	2	3 L
L PL.36572	PL.36571	B	6 A (CWC)	6.84Y	114.0	0.00	10.96	0.69	0	4	2	89	0.00	0.0	5.702	0.115	0	0	0	1 L
L PL.34677	PL.36572	B	6 A (CWC)	6.84Y	114.0	0.00	10.96	0.00	0	0	0	100	0.00	0.0	5.763	0.061	0	0	0	0 L
L PL.34517	PL.36572	B	#2 ACSR	6.84Y	114.0	0.00	10.96	0.69	0	4	2	89	0.00	0.0	5.747	0.045	4	2	1	1 L
L PL.36160	PL.35787	B	6 A (CWC)	6.86Y	114.3	0.04	10.67	20.11	14	124	60	90	0.04	0.0	5.041	0.038	0	0	0	22 L
L PL.36163	PL.36160	B	6 A (CWC)	6.86Y	114.3	0.03	10.70	20.11	14	124	60	90	0.03	0.0	5.072	0.032	4	2	1	22 L
L PL.36164	PL.36163	B	6 A (CWC)	6.85Y	114.1	0.21	10.91	19.39	14	120	58	90	0.21	0.2	5.297	0.225	0	0	0	21 L
L PL.34951	PL.36164	B	6 A (CWC)	6.85Y	114.1	0.00	10.91	1.39	1	9	4	91	0.00	0.0	5.390	0.093	9	4	1	1 L
L PL.35899	PL.36164	B	6 A (CWC)	6.84Y	114.0	0.05	10.96	11.85	8	73	35	90	0.03	0.0	5.387	0.090	0	0	0	13 L
L PL.60837	PL.35899	B	6 A (CWC)	6.84Y	113.9	0.12	11.08	10.89	8	67	32	90	0.07	0.1	5.629	0.242	0	0	0	12 L
L PL.60838	PL.60837	B	6 A (CWC)	6.83Y	113.9	0.02	11.10	10.89	8	67	32	90	0.01	0.0	5.667	0.039	6	3	1	12 L
L PL.60839	PL.60838	B	6 A (CWC)	6.83Y	113.9	0.02	11.12	9.88	7	61	29	90	0.01	0.0	5.719	0.052	0	0	0	11 L
L PL.63804	PL.60839	B	6 A (CWC)	6.83Y	113.8	0.05	11.17	7.56	5	47	23	90	0.02	0.0	5.847	0.128	0	0	0	9 L
L PL.63805	PL.63804	B	6 A (CWC)	6.83Y	113.8	0.00	11.17	7.56	5	46	23	89	0.00	0.0	5.847	0.000	7	3	1	9 L
L PL.60640	PL.63805	B	6 A (CWC)	6.83Y	113.8	0.02	11.19	2.35	2	14	7	89	0.00	0.0	6.047	0.200	3	1	1	3 L
L PL.36777	PL.60640	B	6 A (CWC)	6.83Y	113.8	0.01	11.20	1.91	1	12	6	89	0.00	0.0	6.217	0.170	12	6	2	2 L
L PL.60642	PL.63805	B	6 A (CWC)	6.83Y	113.8	0.00	11.17	4.13	3	25	12	90	0.00	0.0	5.862	0.014	2	1	1	5 L
L PL.60643	PL.60642	B	6 A (CWC)	6.83Y	113.8	0.01	11.18	3.87	3	24	12	89	0.00	0.0	5.918	0.056	7	4	1	4 L
L PL.60638	PL.60643	B	6 A (CWC)	6.83Y	113.8	0.00	11.18	0.00	0	0	0	100	0.00	0.0	6.140	0.223	0	0	1	1 L
L PL.60639	PL.60643	B	6 A (CWC)	6.83Y	113.8	0.00	11.18	0.00	0	0	0	100	0.00	0.0	6.290	0.372	0	0	0	0 L
L PL.72493	PL.60643	B	6 A (CWC)	6.83Y	113.8	0.00	11.18	2.68	2	16	8	89	0.00	0.0	5.937	0.019	0	0	0	2 L
L PL.72494	PL.72493	B	#1/0 ACSR	6.83Y	113.8	0.00	11.18	2.68	1	16	8	89	0.00	0.0	5.937	0.000	9	5	1	2 L
L PL.60617	PL.72494	B	#1/0 ACSR	6.83Y	113.8	0.00	11.18	1.13	0	7	3	92	0.00	0.0	5.959	0.022	7	3	1	1 L
L PL.60836	PL.60839	B	6 A (CWC)	6.83Y	113.9	0.01	11.13	2.32	2	14	7	89	0.00	0.0	5.844	0.125	14	7	2	2 L
L PL.35019	PL.35899	B	#4 ACSR	6.84Y	114.0	0.00	10.96	0.96	1	6	3	89	0.00	0.0	5.552	0.165	6	3	1	1 L
L PL.36521	PL.36164	B	#4 ACSR	6.85Y	114.1	0.00	10.91	6.15	5	38	18	90	0.00	0.0	5.303	0.006	0	0	0	7 L
L PD.5052	PL.36521	B	25QA	6.85Y	114.1	0.00	10.91	6.15	25	38	18	90	0.00	0.0	5.303	0.006	0	0	0	7 L
L PL.36522	PD.5052	B	#4 ACSR	6.84Y	114.1	0.04	10.94	6.15	5	38	18	90	0.01	0.0	5.429	0.126	0	0	0	7 L
L PL.36523	PL.36522	B	#4 ACSR	6.84Y	114.0	0.06	11.00	6.15	5	38	18	90	0.02	0.1	5.645	0.216	0	0	1	7 L
L PL.35898	PL.36523	B	#4 ACSR	6.82Y	113.6	0.36	11.37	6.15	5	38	18	90	0.12	0.3	6.931	1.286	0	0	0	6 L

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: Laurel Ind 1

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - 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.34521	PL.35898	B	#4 ACSR	6.82Y	113.6	0.01	11.37	1.62	1	10	5	89	0.00	0.0	7.072	0.141	10	5	1	1 L
L PL.36565	PL.35898	B	#4 ACSR	6.82Y	113.6	0.01	11.38	4.52	3	28	13	91	0.00	0.0	6.988	0.056	0	0	0	5 L
L PL.33415	PL.36565	B	#4 ACSR	6.82Y	113.6	0.00	11.38	0.09	0	1	0	100	0.00	0.0	7.421	0.434	1	0	1	1 L
L PL.36566	PL.36565	B	#4 ACSR	6.82Y	113.6	0.02	11.40	4.43	3	27	13	90	0.00	0.0	7.085	0.097	0	0	0	4 L
L PL.36567	PL.36566	B	#4 ACSR	6.81Y	113.6	0.03	11.43	4.43	3	27	13	90	0.01	0.0	7.239	0.155	0	0	0	4 L
L PL.36568	PL.36567	B	#4 ACSR	6.81Y	113.6	0.01	11.43	2.84	2	17	8	90	0.00	0.0	7.280	0.041	0	0	0	3 L
L PL.34235	PL.36568	B	#4 ACSR	6.81Y	113.6	0.00	11.44	1.74	1	11	5	91	0.00	0.0	7.376	0.096	11	5	1	1 L
L PL.34721	PL.36568	B	#4 ACSR	6.81Y	113.5	0.02	11.45	1.10	1	7	3	92	0.00	0.0	7.604	0.324	0	0	0	2 L
L PL.34854	PL.34721	B	#4 ACSR	6.81Y	113.5	0.00	11.45	0.59	0	4	2	89	0.00	0.0	7.664	0.060	4	2	1	1 L
L PL.34722	PL.34721	B	#4 ACSR	6.81Y	113.5	0.00	11.45	0.52	0	3	2	83	0.00	0.0	7.693	0.088	3	2	1	1 L
L PL.34845	PL.36567	B	#2 ACSR	6.81Y	113.6	0.00	11.43	1.59	1	10	5	89	0.00	0.0	7.291	0.051	10	5	1	1 L
L PL.34734	PL.64808	B	6 A (CWC)	6.92Y	115.4	0.00	9.62	1.02	1	6	3	89	0.00	0.0	4.556	0.073	6	3	1	1 L
L PL.33969	PL.36255	B	#4 ACSR	7.03Y	117.2	0.00	7.83	2.31	2	15	7	91	0.00	0.0	3.726	0.072	15	7	1	1 L
L PL.62594	PL.36260	B	6 A (CWC)	7.06Y	117.7	0.00	7.28	9.23	7	59	28	90	0.00	0.0	3.460	0.003	0	0	0	12 L
L PD.9396	PL.62594	B	T	7.06Y	117.7	0.00	7.28	9.23	0	59	28	90	0.00	0.0	3.460	0.003	0	0	0	12 L
L PL.62595	PD.9396	B	6 A (CWC)	7.06Y	117.7	0.03	7.31	9.23	7	59	28	90	0.01	0.0	3.533	0.072	0	0	0	12 L
L PL.57847	PL.62595	B	#2 ACSR	7.06Y	117.7	0.00	7.31	0.00	0	0	0	100	0.00	0.0	3.556	0.023	0	0	0	0 L
L PL.36256	PL.62595	B	6 A (CWC)	7.06Y	117.7	0.03	7.34	9.23	7	59	28	90	0.01	0.0	3.614	0.082	8	4	2	12 L
L PL.36258	PL.36256	B	6 A (CWC)	7.06Y	117.6	0.03	7.37	7.91	6	50	24	90	0.01	0.0	3.684	0.069	0	0	0	10 L
L PL.34842	PL.36258	B	#4 ACSR	7.06Y	117.6	0.00	7.37	0.95	1	6	3	89	0.00	0.0	3.724	0.040	6	3	1	1 L
L PL.37168	PL.36258	B	#4 ACSR	7.06Y	117.6	0.00	7.37	1.74	1	11	5	91	0.00	0.0	3.720	0.037	7	3	1	2 L
L PL.37169	PL.37168	B	#4 ACSR	7.06Y	117.6	0.00	7.37	0.62	0	4	2	89	0.00	0.0	3.749	0.028	4	2	1	1 L
L PL.34488	PL.36258	B	6 A (CWC)	7.06Y	117.6	0.03	7.40	5.21	4	33	16	90	0.01	0.0	3.814	0.130	0	0	0	7 L
L PL.34489	PL.34488	B	6 A (CWC)	7.06Y	117.6	0.01	7.41	3.54	3	22	11	89	0.00	0.0	3.933	0.119	13	6	3	5 L
L PL.34525	PL.34489	B	6 A (CWC)	7.06Y	117.6	0.00	7.42	1.51	1	10	5	89	0.00	0.0	3.994	0.061	10	5	2	2 L
L PL.34490	PL.34488	B	#4 ACSR	7.06Y	117.6	0.00	7.40	1.67	1	11	5	91	0.00	0.0	3.860	0.046	8	4	1	2 L
L PL.34491	PL.34490	B	#4 ACSR	7.06Y	117.6	0.00	7.40	0.41	0	3	1	95	0.00	0.0	3.885	0.025	3	1	1	1 L
L PL.34978	PL.36259	B	#2 ACSR	7.07Y	117.9	0.00	7.14	2.90	2	18	9	89	0.00	0.0	3.457	0.040	18	9	3	3 L
PL.34595	PL.36265	B	#4 ACSR	7.12Y	118.7	0.01	6.27	7.68	6	49	24	90	0.00	0.0	3.219	0.030	0	0	0	7
PL.37082	PL.34595	B	#4 ACSR	7.12Y	118.7	0.01	6.27	4.78	4	31	15	90	0.00	0.0	3.254	0.035	5	2	1	5
PL.37083	PL.37082	B	#4 ACSR	7.12Y	118.7	0.00	6.28	4.02	3	26	12	91	0.00	0.0	3.297	0.043	25	12	3	4

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

Balanced Voltage Drop Report
Source: Laurel Ind 1

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - 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.36266	PL.37083	B	#4 ACSR	7.12Y	118.7	0.00	6.28	0.14	0	1	0	100	0.00	0.0	3.355	0.057	1	0	1	1
PL.36267	PL.36266	B	#4 ACSR	7.12Y	118.7	0.00	6.28	0.00	0	0	0	100	0.00	0.0	3.411	0.057	0	0	0	0
PL.34817	PL.34595	B	#4 ACSR	7.12Y	118.7	0.00	6.27	2.90	2	19	9	90	0.00	0.0	3.278	0.059	19	9	2	2
CP.56	PL.37173	B	Cap (500)	7.20Y	120.0	0.00	5.04	0.00	0	0	0	100	0.00	0.0	2.922	0.059	0	0	0	0
PL.35294	PL.35281	B	6 A (CWC)	7.21Y	120.1	0.01	4.85	2.52	2	16	8	89	0.00	0.0	2.633	0.071	7	3	2	3
PL.35295	PL.35294	B	6 A (CWC)	7.21Y	120.1	0.01	4.86	1.41	1	9	4	91	0.00	0.0	2.871	0.238	9	4	1	1
PL.34041	PL.35522	A	#4 ACSR	7.21Y	120.2	0.00	4.82	1.43	1	9	4	91	0.00	0.0	2.602	0.095	9	4	1	1
PL.63115	PL.60608	A	#4 ACSR	7.22Y	120.3	0.00	4.74	3.78	3	25	12	90	0.00	0.0	2.386	0.000	5	2	1	4
PL.63116	PL.63115	A	#4 ACSR	7.21Y	120.2	0.01	4.75	3.03	2	20	10	89	0.00	0.0	2.437	0.050	4	2	1	3
PL.34252	PL.63116	A	#2 ACSR	7.21Y	120.2	0.00	4.75	1.04	1	7	3	92	0.00	0.0	2.476	0.039	7	3	1	1
PL.36594	PL.63116	A	#4 ACSR	7.21Y	120.2	0.00	4.75	1.38	1	9	4	91	0.00	0.0	2.501	0.065	9	4	1	1
PL.60610	PL.60609	B	1/0 AL URD	7.22Y	120.3	0.01	4.70	6.94	4	45	21	91	0.00	0.0	2.346	0.046	12	6	2	10
PL.63117	PL.60610	B	1/0 AL URD	7.22Y	120.3	0.01	4.71	5.05	3	33	15	91	0.00	0.0	2.394	0.048	11	6	3	8
PL.64099	PL.63117	B	1/0 AL URD	7.22Y	120.3	0.00	4.71	3.31	2	22	10	91	0.00	0.0	2.435	0.041	12	6	3	5
PL.64100	PL.64099	B	1/0 AL URD	7.22Y	120.3	0.00	4.71	1.42	1	9	4	91	0.00	0.0	2.481	0.046	9	4	2	2
PL.63104	PL.60609	A	1/0 AL URD	7.22Y	120.3	0.01	4.70	8.18	5	54	25	91	0.00	0.0	2.347	0.047	21	10	3	11
PL.63105	PL.63104	A	1/0 AL URD	7.22Y	120.3	0.01	4.71	4.94	3	32	15	91	0.00	0.0	2.397	0.050	0	0	0	8
PL.60613	PL.63105	A	1/0 AL URD	7.22Y	120.3	0.01	4.71	4.95	3	32	15	91	0.00	0.0	2.433	0.036	5	2	1	8
PL.60614	PL.60613	A	1/0 AL URD	7.22Y	120.3	0.00	4.72	4.16	2	27	13	90	0.00	0.0	2.460	0.027	0	0	0	7
PL.63098	PL.60614	A	1/0 AL URD	7.22Y	120.3	0.00	4.72	4.17	2	27	13	90	0.00	0.0	2.494	0.034	8	4	1	7
PL.64097	PL.63098	A	1/0 AL URD	7.22Y	120.3	0.00	4.72	2.99	2	20	9	91	0.00	0.0	2.545	0.051	13	6	5	6
PL.64098	PL.64097	A	1/0 AL URD	7.22Y	120.3	0.00	4.73	0.99	1	6	3	89	0.00	0.0	2.599	0.054	6	3	1	1
PL.54125	PL.35865	C	6 A (CWC)	7.22Y	120.4	0.00	4.63	2.16	2	14	7	89	0.00	0.0	2.218	0.004	0	0	0	1
PD.8125	PL.54125	C	40QA	7.22Y	120.4	0.00	4.63	2.16	5	14	7	89	0.00	0.0	2.218	0.004	0	0	0	1
PL.54126	PD.8125	C	6 A (CWC)	7.22Y	120.4	0.01	4.64	2.16	2	14	7	89	0.00	0.0	2.288	0.070	0	0	0	1
PL.36593	PL.54126	C	#4 ACSR	7.22Y	120.4	0.01	4.65	2.16	2	14	7	89	0.00	0.0	2.435	0.147	14	7	1	1
PL.54127	PL.35865	A	#4 ACSR	7.22Y	120.4	0.00	4.63	1.82	1	12	6	89	0.00	0.0	2.217	0.003	0	0	0	2
PD.8126	PL.54127	A	40QA	7.22Y	120.4	0.00	4.63	1.82	5	12	6	89	0.00	0.0	2.217	0.003	0	0	0	2
PL.54128	PD.8126	A	#4 ACSR	7.22Y	120.4	0.00	4.63	1.82	1	12	6	89	0.00	0.0	2.234	0.017	0	0	0	2
PL.35999	PL.54128	A	#4 ACSR	7.22Y	120.4	0.00	4.64	1.82	1	12	6	89	0.00	0.0	2.266	0.032	12	6	2	2
PL.54123	PL.35865	C	6 A (CWC)	7.22Y	120.4	0.01	4.64	32.12	23	209	101	90	0.01	0.0	2.218	0.004	0	0	0	32

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

Balanced Voltage Drop Report
Source: Laurel Ind 1

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - 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.8124	PL.54123	C	30T	7.22Y	120.4	0.00	4.64	32.12	0	209	101	90	0.00	0.0	2.218	0.004	0	0	0	32
PL.54124	PD.8124	C	6 A (CWC)	7.19Y	119.9	0.47	5.10	32.12	23	209	101	90	0.77	0.4	2.524	0.306	0	0	0	32
PL.34151	PL.54124	C	#2 ACSR	7.19Y	119.9	0.00	5.10	0.00	0	0	0	100	0.00	0.0	2.558	0.034	0	0	0	0
PL.36595	PL.54124	C	6 A (CWC)	7.19Y	119.8	0.10	5.21	32.12	23	208	101	90	0.16	0.1	2.591	0.067	9	4	1	32
PL.36596	PL.36595	C	6 A (CWC)	7.18Y	119.7	0.10	5.30	30.71	22	199	96	90	0.15	0.1	2.658	0.067	2	1	1	31
PL.57601	PL.36596	C	#4 ACSR	7.18Y	119.7	0.00	5.31	2.73	2	18	9	89	0.00	0.0	2.725	0.067	16	8	4	6
PL.57602	PL.57601	C	#4 ACSR	7.18Y	119.7	0.00	5.31	0.27	0	2	1	89	0.00	0.0	2.783	0.059	2	1	1	2
PL.36391	PL.57602	C	#4 ACSR	7.18Y	119.7	0.00	5.31	0.00	0	0	0	100	0.00	0.0	2.833	0.050	0	0	1	1
PL.36629	PL.36596	C	#4 ACSR	7.18Y	119.6	0.05	5.35	4.89	4	32	15	91	0.01	0.0	2.964	0.306	16	8	2	4
PL.36630	PL.36629	C	#4 ACSR	7.18Y	119.6	0.00	5.35	2.46	2	16	8	89	0.00	0.0	2.978	0.014	16	8	2	2
PL.64798	PL.36596	C	6 A (CWC)	7.18Y	119.6	0.07	5.37	22.80	16	147	71	90	0.08	0.1	2.723	0.065	0	0	0	20
PL.64799	PL.64798	C	6 A (CWC)	7.18Y	119.6	0.04	5.41	22.80	16	147	71	90	0.05	0.0	2.761	0.038	2	1	1	20
PL.35103	PL.64799	C	#2 ACSR	7.18Y	119.6	0.00	5.41	1.68	1	11	5	91	0.00	0.0	2.783	0.022	11	5	1	1
PL.36632	PL.64799	C	6 A (CWC)	7.17Y	119.5	0.06	5.48	20.82	15	134	65	90	0.07	0.1	2.827	0.066	0	0	0	18
PL.34526	PL.36632	C	#4 ACSR	7.17Y	119.5	0.01	5.49	4.76	4	31	15	90	0.00	0.0	2.887	0.060	8	4	1	3
PL.34527	PL.34526	C	#4 ACSR	7.17Y	119.5	0.01	5.50	3.56	3	23	11	90	0.00	0.0	2.946	0.059	8	4	1	2
PL.36631	PL.34527	C	#4 ACSR	7.17Y	119.5	0.01	5.51	2.28	2	15	7	91	0.00	0.0	3.112	0.165	15	7	1	1
PL.35098	PL.36632	C	6 A (CWC)	7.17Y	119.4	0.10	5.58	16.06	11	104	50	90	0.08	0.1	2.962	0.135	12	6	3	15
PL.34827	PL.35098	C	6 A (CWC)	7.16Y	119.4	0.04	5.61	12.60	9	81	39	90	0.02	0.0	3.034	0.072	16	8	2	10
PL.34828	PL.34827	C	6 A (CWC)	7.16Y	119.3	0.04	5.65	10.13	7	65	32	90	0.02	0.0	3.112	0.078	1	0	1	8
PL.36633	PL.34828	C	6 A (CWC)	7.16Y	119.3	0.01	5.66	5.69	4	37	18	90	0.00	0.0	3.168	0.056	13	7	2	4
PL.36634	PL.36633	C	6 A (CWC)	7.16Y	119.3	0.00	5.67	3.60	3	23	11	90	0.00	0.0	3.180	0.011	0	0	0	2
PL.36639	PL.36634	C	6 A (CWC)	7.16Y	119.3	0.00	5.67	1.98	1	13	6	91	0.00	0.0	3.277	0.097	13	6	1	1
PL.35254	PL.36634	C	#2 ACSR	7.16Y	119.3	0.00	5.67	1.63	1	10	5	89	0.00	0.0	3.217	0.037	10	5	1	1
PL.36640	PL.34828	C	6 A (CWC)	7.16Y	119.3	0.01	5.67	4.32	3	28	13	91	0.00	0.0	3.185	0.073	0	0	0	3
PL.36643	PL.36640	C	6 A (CWC)	7.16Y	119.3	0.00	5.67	1.57	1	10	5	89	0.00	0.0	3.242	0.057	0	0	0	1
PL.36644	PL.36643	C	6 A (CWC)	7.16Y	119.3	0.00	5.67	1.57	1	10	5	89	0.00	0.0	3.350	0.108	10	5	1	1
PL.36641	PL.36640	C	#4 ACSR	7.16Y	119.3	0.01	5.67	2.75	2	18	9	89	0.00	0.0	3.250	0.065	8	4	1	2
PL.36642	PL.36641	C	#4 ACSR	7.16Y	119.3	0.00	5.67	1.58	1	10	5	89	0.00	0.0	3.265	0.015	10	5	1	1
PL.34605	PL.35098	C	#2 ACSR	7.17Y	119.4	0.00	5.58	0.00	0	0	0	100	0.00	0.0	3.011	0.049	0	0	0	0
PL.55828	PL.35098	C	#2 ACSR	7.17Y	119.4	0.00	5.58	1.54	1	10	5	89	0.00	0.0	3.047	0.085	3	1	1	2

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

Balanced Voltage Drop Report
Source: Laurel Ind 1

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - 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.55829	PL.55828	C	#1/0 ACSR	7.17Y	119.4	0.00	5.58	1.10	0	7	3	92	0.00	0.0	3.088	0.040	7	3	1	1
PL.35769	PL.52449	C	#4 ACSR	7.23Y	120.6	0.00	4.43	0.87	1	6	3	89	0.00	0.0	2.055	0.074	6	3	1	1
PL.34830	PL.35283	A	6 A (CWC)	7.24Y	120.7	0.00	4.27	2.97	2	19	9	90	0.00	0.0	1.856	0.035	12	6	1	4
PL.34161	PL.34830	A	6 A (CWC)	7.24Y	120.7	0.00	4.27	0.00	0	0	0	100	0.00	0.0	1.900	0.043	0	0	0	0
PL.34857	PL.34830	A	#2 ACSR	7.24Y	120.7	0.00	4.27	1.09	1	7	3	92	0.00	0.0	1.874	0.018	7	3	3	3
PL.66644	PL.35282	C	#4 ACSR	7.25Y	120.8	0.00	4.18	2.43	2	16	8	89	0.00	0.0	1.741	0.004	0	0	0	3
PD.10005	PL.66644	C	25T	7.25Y	120.8	0.00	4.18	2.43	0	16	8	89	0.00	0.0	1.741	0.004	0	0	0	3
PL.66645	PD.10005	C	#4 ACSR	7.25Y	120.8	0.00	4.18	2.43	2	16	8	89	0.00	0.0	1.753	0.013	11	5	1	3
PL.37158	PL.66645	C	#4 ACSR	7.25Y	120.8	0.00	4.18	0.72	1	5	2	93	0.00	0.0	1.933	0.179	3	2	1	2
PL.37159	PL.37158	C	#4 ACSR	7.25Y	120.8	0.00	4.18	0.24	0	2	1	89	0.00	0.0	2.073	0.141	2	1	1	1
PL.72488	PL.60842	ABC	#3/0 ACSR	7.25Y	120.8	0.07	4.17	83.03	28	1645	746	91	0.71	0.0	1.732	0.061	0	0	0	211
PL.72489	PL.72488	ABC	#3/0 ACSR	7.25Y	120.8	0.07	4.25	83.03	28	1645	745	91	0.71	0.0	1.794	0.062	13	6	1	211
PL.57586	PL.72489	ABC	#3/0 ACSR	7.24Y	120.7	0.10	4.34	82.34	27	1631	738	91	0.96	0.1	1.878	0.085	17	8	2	210
PL.57587	PL.57586	ABC	#3/0 ACSR	7.24Y	120.6	0.04	4.38	80.86	27	1601	723	91	0.36	0.0	1.911	0.033	0	0	0	203
PL.36493	PL.57587	A	#1/0 ACSR	7.24Y	120.6	0.00	4.38	2.53	1	17	8	90	0.00	0.0	1.913	0.002	0	0	0	1
PD.5269	PL.36493	A	40QA	7.24Y	120.6	0.00	4.38	2.53	6	17	8	90	0.00	0.0	1.913	0.002	0	0	0	1
PL.36494	PD.5269	A	#1/0 ACSR	7.24Y	120.6	0.00	4.38	2.53	1	17	8	90	0.00	0.0	1.964	0.051	17	8	1	1
PL.36817	PL.57587	ABC	#3/0 ACSR	7.23Y	120.5	0.11	4.49	80.02	27	1584	714	91	1.08	0.1	2.012	0.100	0	0	0	202
PL.36818	PL.36817	ABC	#3/0 ACSR	7.23Y	120.4	0.07	4.56	80.02	27	1583	712	91	0.68	0.0	2.075	0.064	10	5	1	202
PL.51867	PL.36818	ABC	#3/0 ACSR	7.20Y	120.0	0.44	5.01	79.50	26	1572	707	91	4.23	0.3	2.473	0.398	0	0	0	201
PL.51868	PL.51867	ABC	#3/0 ACSR	7.19Y	119.8	0.14	5.15	79.50	26	1568	700	91	1.33	0.1	2.599	0.126	0	0	0	201
PL.63794	PL.51868	ABC	#3/0 ACSR	7.19Y	119.8	0.00	5.15	79.48	26	1566	698	91	0.03	0.0	2.602	0.003	0	0	0	200
PL.63795	PL.63794	ABC	#3/0 ACSR	7.19Y	119.8	0.09	5.24	79.48	26	1566	698	91	0.83	0.1	2.680	0.078	0	0	0	200
PL.36498	PL.63795	ABC	#3/0 ACSR	7.18Y	119.7	0.07	5.31	79.48	26	1565	697	91	0.67	0.0	2.743	0.063	0	0	0	200
PL.36819	PL.36498	A	6 A (CWC)	7.18Y	119.7	0.00	5.31	0.44	0	3	1	95	0.00	0.0	2.744	0.001	0	0	0	2
PD.5812	PL.36819	A	50QA	7.18Y	119.7	0.00	5.31	0.44	1	3	1	95	0.00	0.0	2.744	0.001	0	0	0	2
PL.36820	PD.5812	A	6 A (CWC)	7.18Y	119.7	0.00	5.31	0.44	0	3	1	95	0.00	0.0	2.763	0.019	1	0	1	2
PL.36497	PL.36820	A	6 A (CWC)	7.18Y	119.7	0.00	5.31	0.30	0	2	1	89	0.00	0.0	2.837	0.074	2	1	1	1
PL.36823	PL.36498	ABC	#3/0 ACSR	7.17Y	119.5	0.15	5.46	79.34	26	1562	695	91	1.41	0.1	2.876	0.133	0	0	0	198
PL.36824	PL.36823	ABC	#3/0 ACSR	7.17Y	119.4	0.12	5.58	79.16	26	1557	691	91	1.11	0.1	2.983	0.107	30	14	3	197
PL.36825	PL.36824	A	#4 ACSR	7.17Y	119.4	0.00	5.58	1.68	1	11	5	91	0.00	0.0	3.060	0.076	4	2	1	2

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

Balanced Voltage Drop Report
Source: Laurel Ind 1

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - 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.36826	PL.36825	A	#4 ACSR	7.16Y	119.4	0.00	5.58	1.05	1	7	3	92	0.00	0.0	3.172	0.112	7	3	1	1
PL.35645	PL.36824	ABC	#3/0 ACSR	7.16Y	119.3	0.08	5.65	60.64	20	1197	516	92	0.55	0.0	3.073	0.090	14	7	3	142
PL.36821	PL.35645	ABC	#3/0 ACSR	7.16Y	119.3	0.08	5.73	59.90	20	1182	508	92	0.58	0.0	3.170	0.097	0	0	0	139
PL.36822	PL.36821	ABC	#3/0 ACSR	7.15Y	119.2	0.03	5.76	59.03	20	1165	499	92	0.22	0.0	3.207	0.037	0	0	0	136
PL.35926	PL.36822	ABC	#3/0 ACSR	7.15Y	119.2	0.00	5.76	59.03	20	1165	499	92	0.00	0.0	3.208	0.001	0	0	0	136
C PD.5858	PL.35926	ABC	50L	7.15Y	119.2	0.00	5.76	59.03	118	1165	499	92	0.00	0.0	3.208	0.001	0	0	0	136 C
PL.35927	PD.5858	ABC	#3/0 ACSR	7.15Y	119.2	0.05	5.81	59.03	20	1165	499	92	0.34	0.0	3.267	0.059	12	6	1	136
PL.34115	PL.35927	ABC	#3/0 ACSR	7.14Y	119.1	0.12	5.93	57.53	19	1135	484	92	0.84	0.1	3.418	0.151	0	0	1	132
PL.34116	PL.34115	ABC	#3/0 ACSR	7.14Y	119.0	0.09	6.03	57.53	19	1134	483	92	0.65	0.1	3.535	0.117	0	0	0	131
PL.34493	PL.34116	C	#4 ACSR	7.14Y	119.0	0.00	6.03	1.07	1	7	3	92	0.00	0.0	3.536	0.001	0	0	0	2
PD.5725	PL.34493	C	40QA	7.14Y	119.0	0.00	6.03	1.07	3	7	3	92	0.00	0.0	3.536	0.001	0	0	0	2
PL.35142	PD.5725	C	#4 ACSR	7.14Y	119.0	0.00	6.03	1.07	1	7	3	92	0.00	0.0	3.610	0.074	7	3	2	2
PL.36172	PL.34116	ABC	#3/0 ACSR	7.13Y	118.9	0.06	6.09	57.17	19	1127	479	92	0.41	0.0	3.611	0.076	14	7	2	129
PL.36173	PL.36172	ABC	#3/0 ACSR	7.13Y	118.8	0.07	6.15	56.47	19	1113	471	92	0.45	0.0	3.695	0.084	8	4	1	127
PL.36816	PL.36173	A	#4 ACSR	7.13Y	118.8	0.00	6.16	4.20	3	27	13	90	0.00	0.0	3.713	0.018	0	0	1	9
PL.62796	PL.36816	A	#4 ACSR	7.13Y	118.8	0.00	6.16	4.19	3	27	13	90	0.00	0.0	3.746	0.033	20	10	7	8
PL.62797	PL.62796	A	#4 ACSR	7.13Y	118.8	0.00	6.16	1.05	1	7	3	92	0.00	0.0	3.806	0.060	7	3	1	1
PL.35403	PL.36173	ABC	#3/0 ACSR	7.13Y	118.8	0.09	6.24	54.67	18	1078	454	92	0.57	0.1	3.809	0.115	6	3	2	117
PL.33887	PL.35403	ABC	#3/0 ACSR	7.12Y	118.7	0.03	6.27	41.57	14	825	331	93	0.14	0.0	3.859	0.049	7	3	1	83
PL.35239	PL.33887	C	#4 ACSR	7.12Y	118.7	0.00	6.27	1.38	1	9	4	91	0.00	0.0	3.859	0.000	0	0	0	1
PD.5271	PL.35239	C	40QA	7.12Y	118.7	0.00	6.27	1.38	3	9	4	91	0.00	0.0	3.859	0.000	0	0	0	1
PL.35240	PD.5271	C	#4 ACSR	7.12Y	118.7	0.00	6.27	1.38	1	9	4	91	0.00	0.0	3.880	0.021	9	4	1	1
PL.36789	PL.33887	ABC	#3/0 ACSR	7.12Y	118.7	0.05	6.32	39.71	13	789	313	93	0.24	0.0	3.950	0.091	9	4	1	79
PL.36437	PL.36789	A	#2 ACSR	7.12Y	118.7	0.00	6.32	5.55	3	36	17	90	0.00	0.0	3.951	0.001	0	0	0	6
PD.5747	PL.36437	A	25T	7.12Y	118.7	0.00	6.32	5.55	0	36	17	90	0.00	0.0	3.951	0.001	0	0	0	6
PL.36438	PD.5747	A	#2 ACSR	7.12Y	118.7	0.00	6.32	5.55	3	36	17	90	0.00	0.0	3.978	0.027	23	11	4	6
PL.36436	PL.36438	A	#2 ACSR	7.12Y	118.7	0.00	6.32	1.91	1	12	6	89	0.00	0.0	4.025	0.047	12	6	2	2
PL.36790	PL.36789	ABC	#3/0 ACSR	7.12Y	118.6	0.05	6.37	37.42	12	744	291	93	0.24	0.0	4.051	0.101	9	4	1	72
PL.34093	PL.36790	ABC	#2 ACSR	7.12Y	118.6	0.00	6.37	11.74	7	246	49	98	0.00	0.0	4.053	0.002	0	0	0	3
PD.5111	PL.34093	ABC	40QA	7.12Y	118.6	0.00	6.37	11.74	29	246	49	98	0.00	0.0	4.053	0.002	0	0	0	3
PL.34094	PD.5111	ABC	#2 ACSR	7.12Y	118.6	0.01	6.38	11.74	7	246	49	98	0.02	0.0	4.080	0.027	0	0	0	3

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

Balanced Voltage Drop Report
Source: Laurel Ind 1

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - 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.36801	PL.34094	ABC	#2 ACSR	7.12Y	118.6	0.04	6.41	10.87	6	228	41	98	0.06	0.0	4.213	0.133	0	0	0	2
PL.36802	PL.36801	ABC	#2 ACSR	7.11Y	118.6	0.01	6.43	10.59	6	223	38	99	0.03	0.0	4.270	0.057	0	0	0	1
PL.35771	PL.36802	ABC	#2 ACSR	7.11Y	118.6	0.00	6.43	10.59	6	223	38	99	0.00	0.0	4.289	0.019	223	38	1	1
PL.36803	PL.36801	A	#1/0 ACSR	7.12Y	118.6	0.00	6.41	0.88	0	6	3	89	0.00	0.0	4.213	0.000	0	0	0	1
PD.5215	PL.36803	A	10QA	7.12Y	118.6	0.00	6.41	0.88	0	6	3	89	0.00	0.0	4.213	0.000	0	0	0	1
PL.36804	PD.5215	A	#1/0 ACSR	7.12Y	118.6	0.00	6.41	0.88	0	6	3	89	0.00	0.0	4.282	0.069	6	3	1	1
PL.34091	PL.34094	A	6 A (CWC)	7.12Y	118.6	0.00	6.38	2.68	2	17	8	90	0.00	0.0	4.081	0.001	0	0	0	1
PD.5216	PL.34091	A	30QA	7.12Y	118.6	0.00	6.38	2.68	9	17	8	90	0.00	0.0	4.081	0.001	0	0	0	1
PL.34095	PD.5216	A	6 A (CWC)	7.12Y	118.6	0.00	6.38	2.68	2	17	8	90	0.00	0.0	4.110	0.029	17	8	1	1
PL.35910	PL.36790	ABC	#3/0 ACSR	7.12Y	118.6	0.01	6.38	25.48	8	490	237	90	0.03	0.0	4.082	0.031	8	4	1	68
PL.35915	PL.35910	ABC	#3/0 ACSR	7.11Y	118.6	0.04	6.42	24.68	8	474	230	90	0.12	0.0	4.198	0.116	6	3	1	66
PL.35916	PL.35915	ABC	#3/0 ACSR	7.11Y	118.6	0.02	6.44	23.73	8	456	221	90	0.04	0.0	4.246	0.048	11	5	1	63
PL.34126	PL.35916	ABC	#3/0 ACSR	7.11Y	118.5	0.02	6.46	23.14	8	445	215	90	0.06	0.0	4.312	0.067	31	15	5	62
PL.34748	PL.34126	ABC	#3/0 ACSR	7.11Y	118.5	0.02	6.47	21.51	7	413	200	90	0.04	0.0	4.369	0.057	0	0	0	57
PL.35104	PL.34748	C	6 A (CWC)	7.11Y	118.5	0.00	6.48	3.24	2	21	10	90	0.00	0.0	4.415	0.046	21	10	2	2
PL.65752	PL.34748	A	6 A (CWC)	7.11Y	118.5	0.00	6.48	8.69	6	56	27	90	0.00	0.0	4.373	0.003	0	0	0	6
PD.9589	PL.65752	A	25T	7.11Y	118.5	0.00	6.48	8.69	0	56	27	90	0.00	0.0	4.373	0.003	0	0	0	6
PL.65753	PD.9589	A	6 A (CWC)	7.11Y	118.5	0.01	6.48	8.69	6	56	27	90	0.00	0.0	4.392	0.020	0	0	0	6
PL.64801	PL.65753	A	6 A (CWC)	7.11Y	118.5	0.00	6.48	8.69	6	56	27	90	0.00	0.0	4.392	0.000	6	3	2	6
PL.36799	PL.64801	A	6 A (CWC)	7.11Y	118.5	0.04	6.53	5.40	4	35	17	90	0.01	0.0	4.657	0.264	24	12	1	2
PL.36800	PL.36799	A	6 A (CWC)	7.11Y	118.5	0.00	6.53	1.59	1	10	5	89	0.00	0.0	4.740	0.084	10	5	1	1
PL.34253	PL.64801	A	#1/0 ACSR	7.11Y	118.5	0.00	6.49	2.41	1	15	7	91	0.00	0.0	4.460	0.068	15	7	2	2
PL.36797	PL.34748	ABC	#3/0 ACSR	7.11Y	118.5	0.02	6.49	17.54	6	337	163	90	0.03	0.0	4.431	0.062	12	6	2	49
PL.34447	PL.36797	C	6 A (CWC)	7.11Y	118.5	0.00	6.49	1.31	1	8	4	89	0.00	0.0	4.495	0.064	8	4	1	1
PL.36798	PL.36797	ABC	#3/0 ACSR	7.11Y	118.5	0.01	6.50	16.48	5	316	153	90	0.03	0.0	4.493	0.062	0	0	0	46
PL.36796	PL.36798	ABC	#3/0 ACSR	7.11Y	118.5	0.01	6.51	16.24	5	312	151	90	0.02	0.0	4.528	0.035	0	0	0	45
PL.36527	PL.36796	ABC	#3/0 ACSR	7.11Y	118.5	0.02	6.53	16.24	5	312	151	90	0.03	0.0	4.614	0.086	31	15	4	45
PL.36525	PL.36527	B	6 A (CWC)	7.11Y	118.4	0.04	6.58	12.59	9	81	39	90	0.03	0.0	4.693	0.079	10	5	1	8
PL.36526	PL.36525	B	6 A (CWC)	7.10Y	118.4	0.01	6.59	11.09	8	71	34	90	0.01	0.0	4.712	0.019	0	0	0	7
PL.51529	PL.36526	B	6 A (CWC)	7.10Y	118.4	0.05	6.63	10.40	7	67	32	90	0.03	0.0	4.807	0.096	0	0	0	6
PL.51528	PL.51529	B	#4 ACSR	7.10Y	118.4	0.00	6.63	1.52	1	10	5	89	0.00	0.0	4.862	0.055	10	5	1	1

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

Balanced Voltage Drop Report
Source: Laurel Ind 1

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - 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.51530	PL.51529	B	6 A (CWC)	7.10Y	118.4	0.01	6.65	8.88	6	57	27	90	0.01	0.0	4.841	0.033	0	0	0	5
PL.57899	PL.51530	B	6 A (CWC)	7.10Y	118.3	0.02	6.67	8.88	6	57	27	90	0.01	0.0	4.903	0.062	7	3	1	5
PL.57898	PL.57899	B	6 A (CWC)	7.10Y	118.3	0.00	6.68	3.58	3	23	11	90	0.00	0.0	4.932	0.029	0	0	0	2
PL.57895	PL.57898	B	6 A (CWC)	7.10Y	118.3	0.02	6.69	3.58	3	23	11	90	0.00	0.0	5.023	0.091	0	0	0	2
PL.57896	PL.57895	B	6 A (CWC)	7.10Y	118.3	0.00	6.69	1.91	1	12	6	89	0.00	0.0	5.098	0.075	12	6	1	1
PL.57900	PL.57895	B	#1/0 ACSR	7.10Y	118.3	0.00	6.69	1.68	1	11	5	91	0.00	0.0	5.056	0.033	11	5	1	1
PL.57897	PL.57899	B	#4 ACSR	7.10Y	118.3	0.01	6.68	4.18	3	27	13	90	0.00	0.0	4.969	0.066	18	9	1	2
PL.36371	PL.57897	B	#4 ACSR	7.10Y	118.3	0.00	6.68	1.40	1	9	4	91	0.00	0.0	5.009	0.040	9	4	1	1
PL.51833	PL.36526	B	#4 ACSR	7.10Y	118.4	0.00	6.59	0.69	1	4	2	89	0.00	0.0	4.762	0.050	4	2	1	1
PL.36369	PL.36527	C	6 A (CWC)	7.10Y	118.4	0.10	6.63	31.24	22	200	97	90	0.15	0.1	4.683	0.069	20	10	2	33
PL.34197	PL.36369	C	1/0 AL URD	7.10Y	118.4	0.00	6.63	6.19	4	40	19	90	0.00	0.0	4.708	0.025	11	5	7	14
PL.36508	PL.34197	C	1/0 AL URD	7.10Y	118.4	0.00	6.63	4.44	3	28	14	89	0.00	0.0	4.727	0.019	28	14	7	7
PL.36370	PL.36369	C	6 A (CWC)	7.10Y	118.3	0.03	6.65	21.90	16	140	68	90	0.03	0.0	4.708	0.026	0	0	0	17
PL.36368	PL.36370	C	6 A (CWC)	7.10Y	118.3	0.05	6.70	21.90	16	140	68	90	0.05	0.0	4.752	0.044	0	0	0	17
PL.36528	PL.36368	C	6 A (CWC)	7.09Y	118.2	0.06	6.76	19.70	14	126	61	90	0.06	0.1	4.820	0.068	2	1	1	15
PL.36507	PL.36528	C	6 A (CWC)	7.09Y	118.2	0.01	6.77	19.33	14	123	60	90	0.01	0.0	4.831	0.010	39	19	4	14
PL.60618	PL.36507	C	6 A (CWC)	7.09Y	118.2	0.01	6.78	2.44	2	16	8	89	0.00	0.0	4.960	0.129	16	8	3	3
PL.36366	PL.36507	C	6 A (CWC)	7.09Y	118.2	0.02	6.80	10.85	8	69	34	90	0.01	0.0	4.890	0.059	25	12	2	7
PL.36367	PL.36366	C	#4 ACSR	7.09Y	118.2	0.01	6.81	6.88	5	44	21	90	0.00	0.0	4.935	0.046	12	6	1	5
PL.36365	PL.36367	C	#4 ACSR	7.09Y	118.2	0.00	6.81	1.73	1	11	5	91	0.00	0.0	4.981	0.046	11	5	2	2
PL.33373	PL.36367	C	#4 ACSR	7.09Y	118.2	0.00	6.81	3.31	3	21	10	90	0.00	0.0	4.961	0.026	21	10	2	2
PL.34531	PL.36368	C	6 A (CWC)	7.10Y	118.3	0.00	6.70	1.22	1	8	4	89	0.00	0.0	4.807	0.054	8	4	1	1
PL.35257	PL.36368	C	6 A (CWC)	7.10Y	118.3	0.00	6.70	0.98	1	6	3	89	0.00	0.0	4.791	0.038	6	3	1	1
PL.33526	PL.36798	C	6 A (CWC)	7.11Y	118.5	0.00	6.51	0.70	0	4	2	89	0.00	0.0	4.590	0.097	4	2	1	1
PL.35117	PL.35915	C	#4 ACSR	7.11Y	118.6	0.00	6.42	1.90	1	12	6	89	0.00	0.0	4.242	0.044	12	6	2	2
PL.35911	PL.35910	C	#4 ACSR	7.12Y	118.6	0.00	6.38	1.12	1	7	3	92	0.00	0.0	4.083	0.001	0	0	0	1
PD.5746	PL.35911	C	30QA	7.12Y	118.6	0.00	6.38	1.12	4	7	3	92	0.00	0.0	4.083	0.001	0	0	0	1
PL.35912	PD.5746	C	#4 ACSR	7.12Y	118.6	0.00	6.38	1.12	1	7	3	92	0.00	0.0	4.121	0.038	7	3	1	1
PL.35775	PL.33887	A	6 A (CWC)	7.12Y	118.7	0.01	6.28	3.19	2	20	10	89	0.00	0.0	3.942	0.084	8	4	1	2
PL.35776	PL.35775	A	6 A (CWC)	7.12Y	118.7	0.01	6.28	1.90	1	12	6	89	0.00	0.0	4.033	0.091	0	0	0	1
PL.35215	PL.35776	A	#2 ACSR	7.12Y	118.7	0.00	6.28	0.00	0	0	0	100	0.00	0.0	4.059	0.026	0	0	0	0

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

Balanced Voltage Drop Report
Source: Laurel Ind 1

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - 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.35777	PL.35776	A	6 A (CWC)	7.12Y	118.7	0.00	6.29	1.90	1	12	6	89	0.00	0.0	4.108	0.075	12	6	1	1
PL.58182	PL.35403	C	#4 ACSR	7.13Y	118.8	0.00	6.24	38.45	30	247	119	90	0.01	0.0	3.812	0.002	0	0	0	32
PD.8604	PL.58182	C	30T	7.13Y	118.8	0.00	6.24	38.45	0	247	119	90	0.00	0.0	3.812	0.002	0	0	0	32
PL.58183	PD.8604	C	#4 ACSR	7.12Y	118.7	0.05	6.30	38.45	30	247	119	90	0.10	0.0	3.843	0.031	25	12	3	32
PL.36805	PL.58183	C	#4 ACSR	7.12Y	118.7	0.04	6.34	34.61	27	222	107	90	0.08	0.0	3.871	0.028	7	3	1	29
PL.36806	PL.36805	C	#4 ACSR	7.12Y	118.6	0.06	6.39	33.54	26	215	104	90	0.10	0.0	3.909	0.038	16	8	2	28
PL.36810	PL.36806	C	#4 ACSR	7.11Y	118.6	0.02	6.42	16.69	13	107	52	90	0.02	0.0	3.943	0.034	19	9	2	11
PL.36811	PL.36810	C	#4 ACSR	7.11Y	118.6	0.01	6.43	13.74	11	88	43	90	0.01	0.0	3.964	0.021	0	0	0	9
PL.36807	PL.36811	C	#4 ACSR	7.11Y	118.5	0.03	6.46	13.74	11	88	43	90	0.02	0.0	4.009	0.045	0	0	0	9
PL.36808	PL.36807	C	#4 ACSR	7.11Y	118.5	0.01	6.47	13.74	11	88	43	90	0.01	0.0	4.041	0.032	77	38	8	9
PL.36809	PL.36808	C	#4 ACSR	7.11Y	118.5	0.00	6.47	1.64	1	10	5	89	0.00	0.0	4.082	0.041	10	5	1	1
PL.34948	PL.36806	C	#4 ACSR	7.11Y	118.6	0.04	6.43	14.30	11	92	44	90	0.02	0.0	3.970	0.062	21	10	2	15
PL.34949	PL.34948	C	#4 ACSR	7.11Y	118.6	0.01	6.44	8.31	6	53	26	90	0.01	0.0	4.007	0.036	6	3	1	10
PL.35258	PL.34949	C	#4 ACSR	7.11Y	118.5	0.01	6.45	5.44	4	35	17	90	0.00	0.0	4.044	0.037	16	8	2	4
PL.34899	PL.35258	C	#4 ACSR	7.11Y	118.5	0.00	6.45	0.00	0	0	0	100	0.00	0.0	4.093	0.049	0	0	0	0
PL.36812	PL.35258	C	#4 ACSR	7.11Y	118.5	0.00	6.45	2.93	2	19	9	90	0.00	0.0	4.077	0.034	19	9	2	2
PL.66135	PL.34949	C	#4 ACSR	7.11Y	118.6	0.00	6.45	1.89	1	12	6	89	0.00	0.0	4.035	0.028	0	0	0	4
PL.66136	PL.66135	C	#4 ACSR	7.11Y	118.6	0.00	6.45	1.89	1	12	6	89	0.00	0.0	4.067	0.032	0	0	2	4
PL.36814	PL.66136	C	#4 ACSR	7.11Y	118.5	0.00	6.45	1.86	1	12	6	89	0.00	0.0	4.106	0.039	12	6	2	2
PL.36815	PL.36814	C	#4 ACSR	7.11Y	118.5	0.00	6.45	0.00	0	0	0	100	0.00	0.0	4.157	0.051	0	0	0	0
PL.34152	PL.34949	C	#2 ACSR	7.11Y	118.6	0.00	6.44	0.07	0	0	0	100	0.00	0.0	4.031	0.024	0	0	1	1
PL.35106	PL.34948	C	#4 ACSR	7.11Y	118.6	0.00	6.43	2.67	2	17	8	90	0.00	0.0	4.006	0.035	17	8	3	3
PL.34958	PL.36172	A	6 A (CWC)	7.13Y	118.9	0.00	6.09	0.00	0	0	0	100	0.00	0.0	3.686	0.075	0	0	0	0
PL.34610	PL.35927	A	6 A (CWC)	7.15Y	119.2	0.00	5.82	2.64	2	17	8	90	0.00	0.0	3.329	0.062	17	8	3	3
PL.33919	PL.36821	A	6 A (CWC)	7.16Y	119.3	0.01	5.74	2.60	2	17	8	90	0.00	0.0	3.257	0.087	17	8	3	3
PL.35082	PL.36824	ABC	#3/0 ACSR	7.16Y	119.4	0.02	5.60	16.44	5	318	154	90	0.04	0.0	3.073	0.090	0	0	0	50
PL.33766	PL.35082	A	#4 ACSR	7.16Y	119.4	0.01	5.61	8.63	7	56	27	90	0.00	0.0	3.102	0.028	14	7	3	10
PL.62715	PL.33766	A	#4 ACSR	7.16Y	119.4	0.01	5.62	6.39	5	41	20	90	0.00	0.0	3.153	0.051	41	20	7	7
PL.35582	PL.35082	C	6 A (CWC)	7.16Y	119.4	0.00	5.60	1.04	1	7	3	92	0.00	0.0	3.141	0.067	7	3	1	1
PL.34272	PL.35082	ABC	#3/0 ACSR	7.16Y	119.4	0.02	5.62	13.22	4	256	124	90	0.03	0.0	3.165	0.091	9	4	1	39
PL.36829	PL.34272	ABC	#3/0 ACSR	7.16Y	119.4	0.01	5.63	12.75	4	247	120	90	0.02	0.0	3.233	0.068	13	6	1	38

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: Laurel Ind 1

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - 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.36830	PL.36829	ABC	#3/0 ACSR	7.16Y	119.4	0.01	5.64	11.14	4	215	104	90	0.01	0.0	3.298	0.065	0	0	0	35
PL.34232	PL.36830	A	#2 ACSR	7.16Y	119.4	0.00	5.64	1.74	1	11	5	91	0.00	0.0	3.300	0.002	0	0	0	1
PD.5767	PL.34232	A	30QA	7.16Y	119.4	0.00	5.64	1.74	6	11	5	91	0.00	0.0	3.300	0.002	0	0	0	1
PL.34233	PD.5767	A	#2 ACSR	7.16Y	119.4	0.00	5.64	1.74	1	11	5	91	0.00	0.0	3.334	0.034	11	5	1	1
PL.36831	PL.36830	ABC	#3/0 ACSR	7.16Y	119.4	0.01	5.65	10.56	4	204	99	90	0.01	0.0	3.360	0.062	0	0	0	34
PL.36351	PL.36831	ABC	#3/0 ACSR	7.16Y	119.3	0.01	5.65	5.50	2	106	51	90	0.00	0.0	3.454	0.094	10	5	1	14
PL.34787	PL.36351	C	#4 ACSR	7.16Y	119.3	0.00	5.66	1.03	1	7	3	92	0.00	0.0	3.531	0.077	7	3	1	1
PL.36352	PL.36351	ABC	#3/0 ACSR	7.16Y	119.3	0.00	5.66	4.66	2	90	44	90	0.00	0.0	3.515	0.061	6	3	1	12
PL.35333	PL.36352	B	#2 ACSR	7.16Y	119.3	0.00	5.66	0.00	0	0	0	100	0.00	0.0	3.516	0.001	0	0	0	0
PD.5811	PL.35333	B	40QA	7.16Y	119.3	0.00	5.66	0.00	0	0	0	100	0.00	0.0	3.516	0.001	0	0	0	0
PL.35334	PD.5811	B	#2 ACSR	7.16Y	119.3	0.00	5.66	0.00	0	0	0	100	0.00	0.0	3.548	0.032	0	0	0	0
PL.34040	PL.36352	B	#2 ACSR	7.16Y	119.3	0.00	5.66	1.55	1	10	5	89	0.00	0.0	3.539	0.024	10	5	1	1
PL.59328	PL.36352	ABC	#3/0 ACSR	7.16Y	119.3	0.00	5.66	3.81	1	74	36	90	0.00	0.0	3.600	0.085	12	6	2	10
PL.62252	PL.59328	ABC	#3/0 ACSR	7.16Y	119.3	0.00	5.66	2.27	1	44	21	90	0.00	0.0	3.688	0.088	9	4	1	6
PL.62253	PL.62252	B	6 A (CWC)	7.16Y	119.3	0.00	5.66	2.15	2	14	7	89	0.00	0.0	3.688	0.000	0	0	0	1
PD.5814	PL.62253	B	60QA	7.16Y	119.3	0.00	5.66	2.15	4	14	7	89	0.00	0.0	3.688	0.000	0	0	0	1
PL.35332	PD.5814	B	6 A (CWC)	7.16Y	119.3	0.00	5.67	2.15	2	14	7	89	0.00	0.0	3.744	0.056	14	7	1	1
PL.62254	PL.62252	A	#2 ACSR	7.16Y	119.3	0.00	5.66	3.31	2	21	10	90	0.00	0.0	3.688	0.001	0	0	0	4
PD.8760	PL.62254	A	60QA	7.16Y	119.3	0.00	5.66	3.31	6	21	10	90	0.00	0.0	3.688	0.001	0	0	0	4
PL.59330	PD.8760	A	#2 ACSR	7.16Y	119.3	0.00	5.67	3.31	2	21	10	90	0.00	0.0	3.704	0.016	9	5	2	4
PL.33874	PL.59330	A	#2 ACSR	7.16Y	119.3	0.01	5.67	1.86	1	12	6	89	0.00	0.0	3.792	0.088	0	0	1	2
PL.35331	PL.33874	A	#2 ACSR	7.16Y	119.3	0.00	5.67	1.85	1	12	6	89	0.00	0.0	3.844	0.053	12	6	1	1
PL.62255	PL.62252	ABC	#3/0 ACSR	7.16Y	119.3	0.00	5.66	0.00	0	0	0	100	0.00	0.0	3.716	0.028	0	0	0	0
PD.9302-A	PL.62255	ABC	Open	7.16Y	119.3	0.00	5.66	0.00	0	0	0	100	0.00	0.0	3.716	0.028	0	0	0	0
PL.59329	PL.59328	B	#2 ACSR	7.16Y	119.3	0.00	5.66	2.81	2	18	9	89	0.00	0.0	3.601	0.001	0	0	0	2
PD.5726	PL.59329	B	20T	7.16Y	119.3	0.00	5.66	2.81	0	18	9	89	0.00	0.0	3.601	0.001	0	0	0	2
PL.34724	PD.5726	B	#2 ACSR	7.16Y	119.3	0.00	5.66	2.81	2	18	9	89	0.00	0.0	3.624	0.023	18	9	2	2
PL.33416	PL.36831	C	6 A (CWC)	7.16Y	119.3	0.10	5.74	12.04	9	78	38	90	0.06	0.1	3.539	0.179	10	5	2	15
PL.60619	PL.33416	C	6 A (CWC)	7.16Y	119.3	0.01	5.75	10.52	8	68	33	90	0.00	0.0	3.553	0.014	6	3	4	13
PL.60620	PL.60619	C	#1/0 ACSR	7.15Y	119.2	0.00	5.75	0.96	0	6	3	89	0.00	0.0	3.593	0.040	6	3	1	1
PL.63331	PL.60619	C	6 A (CWC)	7.15Y	119.2	0.01	5.76	8.57	6	55	27	90	0.00	0.0	3.594	0.041	26	13	2	8

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

Balanced Voltage Drop Report
Source: Laurel Ind 1

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - 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.63332	PL.63331	C	6 A (CWC)	7.15Y	119.2	0.00	5.77	4.56	3	29	14	90	0.00	0.0	3.616	0.021	10	5	1	6
PL.63333	PL.63332	C	6 A (CWC)	7.15Y	119.2	0.00	5.77	1.24	1	8	4	89	0.00	0.0	3.634	0.018	0	0	0	1
PL.63330	PL.63333	C	6 A (CWC)	7.15Y	119.2	0.00	5.77	1.24	1	8	4	89	0.00	0.0	3.649	0.015	8	4	1	1
PL.63334	PL.63332	C	#1/0 ACSR	7.15Y	119.2	0.00	5.77	1.79	1	12	6	89	0.00	0.0	3.637	0.021	0	0	3	4
PL.63335	PL.63334	C	#1/0 ACSR	7.15Y	119.2	0.00	5.77	1.79	1	12	6	89	0.00	0.0	3.658	0.021	12	6	1	1
PL.35029	PL.36831	A	6 A (CWC)	7.16Y	119.3	0.00	5.65	3.15	2	20	10	89	0.00	0.0	3.425	0.065	20	10	5	5
PL.34471	PL.36829	A	6 A (CWC)	7.16Y	119.4	0.00	5.63	2.82	2	18	9	89	0.00	0.0	3.306	0.073	18	9	2	2
PL.36827	PL.36823	C	6 A (CWC)	7.17Y	119.5	0.00	5.46	0.52	0	3	2	83	0.00	0.0	2.877	0.001	0	0	0	1
PD.5813	PL.36827	C	50QA	7.17Y	119.5	0.00	5.46	0.52	1	3	2	83	0.00	0.0	2.877	0.001	0	0	0	1
PL.36828	PD.5813	C	6 A (CWC)	7.17Y	119.5	0.00	5.46	0.52	0	3	2	83	0.00	0.0	2.897	0.019	3	2	1	1
PL.63796	PL.51868	A	#1/0 ACSR	7.19Y	119.8	0.00	5.15	0.04	0	0	0	100	0.00	0.0	2.602	0.003	0	0	0	1
PD.9483	PL.63796	A	20T	7.19Y	119.8	0.00	5.15	0.04	0	0	0	100	0.00	0.0	2.602	0.003	0	0	0	1
PL.63797	PD.9483	A	#1/0 ACSR	7.19Y	119.8	0.00	5.15	0.04	0	0	0	100	0.00	0.0	2.625	0.023	0	0	1	1
PL.57588	PL.57586	C	6 A (CWC)	7.24Y	120.7	0.00	4.34	1.84	1	12	6	89	0.00	0.0	1.879	0.001	0	0	0	5
PD.8380	PL.57588	C	15QA	7.24Y	120.7	0.00	4.34	1.84	0	12	6	89	0.00	0.0	1.879	0.001	0	0	0	5
PL.60622	PD.8380	C	6 A (CWC)	7.24Y	120.7	0.00	4.35	1.84	1	12	6	89	0.00	0.0	1.903	0.024	0	0	0	5
PL.60624	PL.60622	C	1/0 AL URD	7.24Y	120.7	0.00	4.35	1.21	1	8	4	89	0.00	0.0	1.918	0.015	8	4	2	2
PL.60623	PL.60622	C	6 A (CWC)	7.24Y	120.7	0.00	4.35	0.63	0	4	2	89	0.00	0.0	1.946	0.043	4	2	3	3
PL.63114	PL.60623	C	#1/0 ACSR	7.24Y	120.7	0.00	4.35	0.00	0	0	0	100	0.00	0.0	1.990	0.044	0	0	0	0
PL.72487	PL.72488	C	#1/0 ACSR	7.25Y	120.8	0.00	4.17	0.00	0	0	0	100	0.00	0.0	1.751	0.019	0	0	0	0
CP.102	PL.62936	ABC	Cap (600)	7.27Y	121.2	0.00	3.76	0.00	0	0	0	100	0.00	0.0	1.523	0.019	0	0	0	0
PL.52160	PL.36050	C	6 A (CWC)	7.28Y	121.3	0.00	3.69	0.09	0	1	0	100	0.00	0.0	1.519	0.024	1	0	1	2
PL.52161	PL.52160	C	6 A (CWC)	7.28Y	121.3	0.00	3.69	0.01	0	0	0	100	0.00	0.0	1.582	0.064	0	0	1	1
PL.54129	PL.35509	C	6 A (CWC)	7.34Y	122.4	0.00	2.61	2.73	2	18	9	89	0.00	0.0	1.055	0.002	0	0	0	3
PD.8127	PL.54129	C	40QA	7.34Y	122.4	0.00	2.61	2.73	7	18	9	89	0.00	0.0	1.055	0.002	0	0	0	3
PL.54130	PD.8127	C	6 A (CWC)	7.34Y	122.4	0.00	2.62	2.73	2	18	9	89	0.00	0.0	1.072	0.017	0	0	1	3
PL.35718	PL.54130	C	6 A (CWC)	7.34Y	122.4	0.00	2.62	2.73	2	18	9	89	0.00	0.0	1.144	0.072	18	9	2	2
PL.54131	PL.35509	B	6 A (CWC)	7.34Y	122.4	0.00	2.62	34.60	25	229	111	90	0.01	0.0	1.055	0.003	0	0	0	38
PD.8128	PL.54131	B	50T	7.34Y	122.4	0.00	2.62	34.60	0	229	111	90	0.00	0.0	1.055	0.003	0	0	0	38
PL.54132	PD.8128	B	#1/0 ACSR	7.34Y	122.3	0.06	2.68	34.60	15	229	111	90	0.09	0.0	1.126	0.071	5	2	2	38
PL.36157	PL.54132	B	#1/0 ACSR	7.33Y	122.2	0.07	2.75	33.85	15	223	109	90	0.10	0.0	1.207	0.081	1	1	1	36

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

Balanced Voltage Drop Report
Source: Laurel Ind 1

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - 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.36158	PL.36157	B	#1/0 ACSR	7.33Y	122.2	0.06	2.81	29.74	13	196	95	90	0.08	0.0	1.287	0.080	0	0	0	33
PL.36156	PL.36158	B	#1/0 ACSR	7.33Y	122.1	0.06	2.87	28.07	12	185	90	90	0.07	0.0	1.375	0.088	16	8	3	32
PL.54135	PL.36156	B	#4 ACSR	7.33Y	122.1	0.00	2.87	1.96	2	13	6	91	0.00	0.0	1.379	0.004	0	0	0	3
PD.8130	PL.54135	B	40QA	7.33Y	122.1	0.00	2.87	1.96	5	13	6	91	0.00	0.0	1.379	0.004	0	0	0	3
PL.54136	PD.8130	B	#4 ACSR	7.33Y	122.1	0.00	2.88	1.96	2	13	6	91	0.00	0.0	1.431	0.052	2	1	1	3
PL.36155	PL.54136	B	#4 ACSR	7.33Y	122.1	0.00	2.88	1.71	1	11	5	91	0.00	0.0	1.501	0.071	11	5	2	2
PL.54133	PL.36156	B	#1/0 ACSR	7.33Y	122.1	0.00	2.88	23.75	10	157	76	90	0.00	0.0	1.379	0.004	0	0	0	26
PD.8129	PL.54133	B	30T	7.33Y	122.1	0.00	2.88	23.75	0	157	76	90	0.00	0.0	1.379	0.004	0	0	0	26
PL.54134	PD.8129	B	#1/0 ACSR	7.33Y	122.1	0.02	2.90	23.75	10	157	76	90	0.02	0.0	1.413	0.034	5	3	1	26
PL.35723	PL.54134	B	#1/0 ACSR	7.32Y	122.0	0.06	2.96	21.03	9	139	67	90	0.05	0.0	1.528	0.114	0	0	0	22
PL.36159	PL.35723	B	#4 ACSR	7.32Y	122.0	0.01	2.97	4.39	3	29	14	90	0.00	0.0	1.599	0.072	25	12	3	4
PL.35849	PL.36159	B	#4 ACSR	7.32Y	122.0	0.00	2.97	0.56	0	4	2	89	0.00	0.0	1.655	0.055	4	2	1	1
PL.36667	PL.35723	B	#1/0 ACSR	7.32Y	122.0	0.02	2.98	15.53	7	102	50	90	0.02	0.0	1.586	0.058	1	0	1	16
PL.60699	PL.36667	B	#1/0 ACSR	7.32Y	122.0	0.00	2.98	0.26	0	2	1	89	0.00	0.0	1.589	0.004	0	0	0	1
PD.9092	PL.60699	B	15T	7.32Y	122.0	0.00	2.98	0.26	0	2	1	89	0.00	0.0	1.589	0.004	0	0	0	1
PL.72529	PD.9092	B	#1/0 ACSR	7.32Y	122.0	0.00	2.98	0.26	0	2	1	89	0.00	0.0	1.612	0.022	0	0	0	1
PL.72530	PL.72529	B	#1/0 ACSR	7.32Y	122.0	0.00	2.98	0.26	0	2	1	89	0.00	0.0	1.766	0.154	2	1	1	1
PL.62415	PL.36667	B	#1/0 ACSR	7.32Y	122.0	0.02	3.00	15.18	7	100	49	90	0.01	0.0	1.640	0.054	0	0	1	14
PL.62416	PL.62415	B	#1/0 ACSR	7.32Y	122.0	0.04	3.04	15.16	7	100	48	90	0.02	0.0	1.739	0.098	0	0	0	13
PL.62417	PL.62416	B	#1/0 ACSR	7.31Y	121.9	0.07	3.11	15.16	7	100	48	90	0.05	0.0	1.922	0.184	0	0	0	13
PL.62418	PL.62417	B	#1/0 ACSR	7.31Y	121.9	0.03	3.15	15.16	7	100	48	90	0.02	0.0	2.011	0.088	0	0	0	13
PL.62419	PL.62418	B	#1/0 ACSR	7.31Y	121.8	0.03	3.18	15.16	7	100	48	90	0.02	0.0	2.092	0.081	0	0	0	13
PL.62420	PL.62419	B	#1/0 ACSR	7.31Y	121.8	0.02	3.20	15.16	7	100	48	90	0.01	0.0	2.146	0.054	0	0	0	13
PL.62949	PL.62420	B	#1/0 ACSR	7.31Y	121.8	0.02	3.22	15.16	7	100	48	90	0.01	0.0	2.192	0.046	5	2	1	13
PL.62950	PL.62949	B	#1/0 ACSR	7.31Y	121.8	0.01	3.23	13.13	6	86	42	90	0.01	0.0	2.237	0.044	11	5	1	11
PL.36524	PL.62950	B	#1/0 ACSR	7.31Y	121.8	0.02	3.25	11.40	5	75	36	90	0.01	0.0	2.310	0.073	15	7	1	10
PL.35850	PL.36524	B	#1/0 ACSR	7.30Y	121.7	0.01	3.26	9.18	4	60	29	90	0.00	0.0	2.332	0.022	0	0	0	9
PL.35102	PL.35850	B	6 A (CWC)	7.30Y	121.7	0.00	3.26	0.62	0	4	2	89	0.00	0.0	2.406	0.075	4	2	2	2
PL.35851	PL.35850	B	6 A (CWC)	7.30Y	121.7	0.06	3.32	8.56	6	56	27	90	0.03	0.0	2.485	0.153	0	0	0	7
PL.62952	PL.35851	B	6 A (CWC)	7.30Y	121.7	0.01	3.33	8.56	6	56	27	90	0.00	0.0	2.507	0.022	8	4	2	7
PL.62953	PL.62952	B	6 A (CWC)	7.30Y	121.6	0.03	3.36	7.32	5	48	23	90	0.01	0.0	2.610	0.104	8	4	1	5

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

Balanced Voltage Drop Report
Source: Laurel Ind 1

Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy Cooperative - 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.62951	PL.62953	B	6 A (CWC)	7.30Y	121.6	0.00	3.36	1.30	1	9	4	91	0.00	0.0	2.635	0.025	9	4	1	1
PL.62954	PL.62953	B	6 A (CWC)	7.30Y	121.6	0.01	3.37	4.74	3	31	15	90	0.00	0.0	2.720	0.110	31	15	3	3
PL.34629	PL.35851	B	#4 ACSR	7.30Y	121.7	0.00	3.32	0.00	0	0	0	100	0.00	0.0	2.651	0.166	0	0	0	0
PL.62948	PL.62949	B	#2 ACSR	7.31Y	121.8	0.00	3.22	1.26	1	8	4	89	0.00	0.0	2.208	0.016	0	0	0	1
PL.62947	PL.62948	B	#1/0 ACSR	7.31Y	121.8	0.00	3.22	1.26	1	8	4	89	0.00	0.0	2.221	0.013	8	4	1	1
PL.35319	PL.35723	B	#4 ACSR	7.32Y	122.0	0.00	2.96	1.11	1	7	4	87	0.00	0.0	1.648	0.120	7	4	2	2
PL.33759	PL.54134	B	#4 ACSR	7.33Y	122.1	0.00	2.90	1.54	1	10	5	89	0.00	0.0	1.458	0.045	4	2	1	2
PL.33760	PL.33759	B	#4 ACSR	7.33Y	122.1	0.00	2.90	1.01	1	7	3	92	0.00	0.0	1.469	0.011	7	3	1	1
PL.33669	PL.54134	B	#2 ACSR	7.33Y	122.1	0.00	2.90	0.37	0	2	1	89	0.00	0.0	1.428	0.015	2	1	1	1
PL.35251	PL.36158	B	#2 ACSR	7.33Y	122.2	0.00	2.81	1.67	1	11	5	91	0.00	0.0	1.309	0.021	11	5	1	1
PL.34628	PL.36157	B	#4 ACSR	7.33Y	122.2	0.01	2.76	2.35	2	16	8	89	0.00	0.0	1.315	0.108	16	8	1	1
PL.64295	PL.36157	B	#1/0 ACSR	7.33Y	122.2	0.00	2.75	1.55	1	10	5	89	0.00	0.0	1.223	0.016	10	5	1	1
PL.36186	PL.36188	A	6 A (CWC)	7.37Y	122.8	0.00	2.19	1.79	1	12	6	89	0.00	0.0	0.898	0.001	0	0	0	1
PD.5108	PL.36186	A	30QA	7.37Y	122.8	0.00	2.19	1.79	6	12	6	89	0.00	0.0	0.898	0.001	0	0	0	1
PL.36187	PD.5108	A	6 A (CWC)	7.37Y	122.8	0.00	2.19	1.79	1	12	6	89	0.00	0.0	0.947	0.048	12	6	1	1
PL.33735	PL.33733	A	6 A (CWC)	7.50Y	124.9	0.00	0.05	9.02	6	61	29	90	0.00	0.0	0.061	0.002	0	0	0	7
PD.5852	PL.33735	A	40QA	7.50Y	124.9	0.00	0.05	9.02	23	61	29	90	0.00	0.0	0.061	0.002	0	0	0	7
PL.36169	PD.5852	A	6 A (CWC)	7.50Y	124.9	0.02	0.07	9.02	6	61	29	90	0.01	0.0	0.120	0.058	29	14	3	7
PL.34349	PL.36169	A	6 A (CWC)	7.49Y	124.9	0.02	0.09	4.72	3	32	15	91	0.00	0.0	0.222	0.102	11	6	1	4
PL.36152	PL.34349	A	6 A (CWC)	7.49Y	124.9	0.00	0.10	3.02	2	20	10	89	0.00	0.0	0.255	0.033	11	5	1	3
PL.34348	PL.36152	A	6 A (CWC)	7.49Y	124.9	0.00	0.10	1.35	1	9	4	91	0.00	0.0	0.268	0.013	9	4	2	2

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

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total		
KW	9424	0	0	0	0	0	177	0.00	9601	Lowest Voltage = 113.55 on Element PL.34722	
KVAR	2888	0	0	-32	0	0	299		3155	Max Accm VoltD = 11.45 on Element PL.34722	
										Max Elem VoltD = 1.11 on Element PL.35725	

