

Balanced Voltage Drop Report
Source: Keavy 1

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

Table with columns: Element Name, Parent Name, Cnf, Type/Conductor, Pri kV, Base Volt, Element Drop, Accum Drop, Thru Amps, % Cap, Thru KW, KVAR, % PF, kW Loss, % Loss, mi From Src, Length (mi), Element KW, KVAR, Cons On, Cons Thru. Includes data for Keavy 1 and Feeder No. 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

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

PL.59361	PL.59362	ABC	336 MCM AC	7.44Y	124.0	0.07	1.05	176.99	34	3759	1216	95	1.33	0.0	0.747	0.050	0	0	0	473
PL.57450	PL.59361	ABC	336 MCM AC	7.43Y	123.9	0.05	1.10	176.99	34	3758	1213	95	0.96	0.0	0.783	0.036	0	0	0	473
PL.57449	PL.57450	ABC	336 MCM AC	7.43Y	123.9	0.00	1.10	176.99	34	3757	1211	95	0.06	0.0	0.785	0.002	0	0	0	473
PL.57423	PL.57449	ABC	336 MCM AC	7.43Y	123.9	0.00	1.10	176.99	34	3757	1211	95	0.02	0.0	0.786	0.001	0	0	0	473
PL.57422	PL.57423	ABC	336 MCM AC	7.43Y	123.8	0.06	1.16	176.99	34	3757	1211	95	1.12	0.0	0.828	0.043	0	0	0	473
PL.62023	PL.57422	ABC	336 MCM AC	7.43Y	123.8	0.00	1.16	176.99	34	3756	1208	95	0.07	0.0	0.831	0.002	5	2	1	473
PL.62025	PL.62023	ABC	336 MCM AC	7.43Y	123.8	0.03	1.20	176.74	34	3750	1206	95	0.64	0.0	0.855	0.024	2	1	1	472
PL.62027	PL.62025	B	#2 ACSR	7.43Y	123.8	0.00	1.20	0.00	0	0	0	100	0.00	0.0	0.857	0.002	0	0	0	0
PD.9306	PL.62027	B	40QA	7.43Y	123.8	0.00	1.20	0.00	0	0	0	100	0.00	0.0	0.857	0.002	0	0	0	0
PL.62024	PD.9306	B	#2 ACSR	7.43Y	123.8	0.00	1.20	0.00	0	0	0	100	0.00	0.0	0.911	0.054	0	0	0	0
PL.62026	PL.62025	ABC	336 MCM AC	7.43Y	123.8	0.03	1.22	176.65	34	3748	1204	95	0.50	0.0	0.874	0.019	0	0	0	471
PL.62718	PL.62026	ABC	336 MCM AC	7.42Y	123.7	0.07	1.29	176.65	34	3747	1203	95	1.28	0.0	0.923	0.049	0	0	0	471
PL.64084	PL.62718	ABC	336 MCM AC	7.42Y	123.7	0.05	1.34	176.65	34	3746	1200	95	0.94	0.0	0.959	0.036	0	0	0	471
PL.64083	PL.64084	ABC	336 MCM AC	7.42Y	123.6	0.06	1.40	176.65	34	3745	1198	95	1.21	0.0	1.005	0.046	0	0	0	471
PL.57436	PL.64083	ABC	336 MCM AC	7.41Y	123.6	0.04	1.45	176.03	34	3731	1191	95	0.84	0.0	1.037	0.032	0	0	0	470
PL.57463	PL.57436	ABC	336 MCM AC	7.41Y	123.5	0.01	1.45	176.03	34	3730	1189	95	0.10	0.0	1.041	0.004	0	0	0	470
PL.57472	PL.57463	ABC	336 MCM AC	7.41Y	123.5	0.05	1.50	176.03	34	3730	1189	95	0.91	0.0	1.076	0.035	0	0	0	470
PL.57474	PL.57472	ABC	336 MCM AC	7.41Y	123.4	0.05	1.55	175.62	34	3720	1184	95	1.00	0.0	1.114	0.039	0	0	0	468
PL.57465	PL.57474	ABC	336 MCM AC	7.40Y	123.4	0.09	1.65	175.62	34	3719	1182	95	1.76	0.0	1.182	0.068	0	0	0	468
PL.57464	PL.57465	ABC	336 MCM AC	7.40Y	123.3	0.08	1.73	175.62	34	3717	1178	95	1.53	0.0	1.241	0.059	0	0	0	468
PL.57427	PL.57464	ABC	336 MCM AC	7.39Y	123.2	0.08	1.80	175.62	34	3716	1174	95	1.49	0.0	1.299	0.057	0	0	0	468
PL.57468	PL.57427	ABC	336 MCM AC	7.39Y	123.1	0.07	1.88	175.62	34	3714	1171	95	1.41	0.0	1.353	0.054	0	0	0	468
PL.57470	PL.57468	ABC	#3/0 ACSR	7.39Y	123.1	0.01	1.88	175.62	59	3713	1168	95	0.13	0.0	1.355	0.003	0	0	0	468
PL.57453	PL.57470	ABC	#3/0 ACSR	7.38Y	123.0	0.08	1.97	175.62	59	3713	1167	95	1.89	0.1	1.392	0.036	0	0	0	468
PL.62031	PL.57453	B	#1/0 ACSR	7.38Y	123.0	0.00	1.97	4.14	2	29	9	96	0.00	0.0	1.428	0.036	13	4	3	7
PL.62032	PL.62031	B	#1/0 ACSR	7.38Y	123.0	0.00	1.97	2.36	1	17	5	96	0.00	0.0	1.497	0.069	17	5	4	4
PL.57429	PL.57453	B	#1/0 ACSR	7.38Y	123.0	0.00	1.97	5.67	2	40	12	96	0.00	0.0	1.397	0.006	0	0	0	7
PD.8368	PL.57429	B	40QA	7.38Y	123.0	0.00	1.97	5.67	14	40	12	96	0.00	0.0	1.397	0.006	0	0	0	7
PL.57428	PD.8368	B	#1/0 ACSR	7.38Y	123.0	0.00	1.97	5.67	2	40	12	96	0.00	0.0	1.444	0.046	40	12	7	7
PL.57452	PL.57453	ABC	#3/0 ACSR	7.38Y	123.0	0.01	1.97	172.35	57	3642	1143	95	0.18	0.0	1.395	0.004	0	0	0	454
PL.57451	PL.57452	ABC	336 MCM AC	7.38Y	122.9	0.09	2.07	172.35	33	3641	1143	95	1.75	0.0	1.465	0.070	0	0	0	454

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.57430	PL.57451	ABC	336 MCM AC	7.37Y	122.9	0.08	2.15	172.35	33	3640	1139	95	1.46	0.0	1.524	0.058	0	0	0	454
PL.57431	PL.57430	ABC	336 MCM AC	7.37Y	122.8	0.05	2.19	172.35	33	3638	1136	95	0.91	0.0	1.560	0.036	0	0	0	454
PL.57434	PL.57431	B	#1/0 ACSR	7.37Y	122.8	0.00	2.19	3.49	2	25	8	95	0.00	0.0	1.566	0.006	0	0	0	5
PD.8369	PL.57434	B	40QA	7.37Y	122.8	0.00	2.19	3.49	9	25	8	95	0.00	0.0	1.566	0.006	0	0	0	5
PL.57435	PD.8369	B	#1/0 ACSR	7.37Y	122.8	0.00	2.20	3.49	2	25	8	95	0.00	0.0	1.576	0.010	10	3	1	5
PL.57433	PL.57435	B	#1/0 ACSR	7.37Y	122.8	0.00	2.20	2.07	1	15	4	97	0.00	0.0	1.614	0.038	15	4	4	4
PL.57432	PL.57431	ABC	336 MCM AC	7.36Y	122.7	0.11	2.30	171.19	33	3613	1126	95	2.01	0.1	1.641	0.081	0	0	0	449
PL.58880	PL.57432	ABC	336 MCM AC	7.36Y	122.7	0.00	2.30	171.19	33	3611	1121	96	0.04	0.0	1.643	0.002	0	0	0	449
PD.8483-A	PL.58880	ABC	Closed	7.36Y	122.7	0.00	2.30	171.19	0	3611	1121	96	0.00	0.0	1.643	0.002	0	0	0	449
PD.8483-B	PD.8483-A	ABC	Closed	7.36Y	122.7	0.00	2.30	171.19	0	3611	1121	96	0.00	0.0	1.643	0.002	0	0	0	449
PL.58881	PD.8483-B	ABC	336 MCM AC	7.35Y	122.6	0.13	2.43	171.19	33	3611	1121	96	2.40	0.1	1.741	0.098	17	5	2	449
PL.58879	PL.58881	ABC	6 A (CWC)	7.35Y	122.6	0.00	2.43	0.00	0	0	0	100	0.00	0.0	1.785	0.044	0	0	0	1
PL.59367	PL.58879	B	#4 ACSR	7.35Y	122.6	0.00	2.43	0.01	0	0	0	100	0.00	0.0	1.789	0.003	0	0	0	1
PD.8762	PL.59367	B	40QA	7.35Y	122.6	0.00	2.43	0.01	0	0	0	100	0.00	0.0	1.789	0.003	0	0	0	1
PL.59368	PD.8762	B	#4 ACSR	7.35Y	122.6	0.00	2.43	0.01	0	0	0	100	0.00	0.0	1.883	0.095	0	0	1	1
C PL.62405	PL.58881	ABC	#2 ACSR	7.33Y	122.1	0.46	2.90	170.36	97	3591	1110	96	12.68	0.4	1.848	0.107	14	4	2	446 C
PL.62408	PL.62405	ABC	#2 ACSR	7.31Y	121.8	0.27	3.16	112.33	64	2359	728	96	4.80	0.2	1.941	0.093	0	0	0	306
PL.56676	PL.62408	ABC	#2 ACSR	7.30Y	121.6	0.21	3.37	110.27	63	2311	712	96	3.69	0.2	2.015	0.074	15	5	2	300
PL.56678	PL.56676	A	6 A (CWC)	7.30Y	121.6	0.00	3.37	0.70	0	5	1	98	0.00	0.0	2.021	0.006	0	0	0	2
PD.6523	PL.56678	A	75QA	7.30Y	121.6	0.00	3.37	0.70	1	5	1	98	0.00	0.0	2.021	0.006	0	0	0	2
PL.56825	PD.6523	A	6 A (CWC)	7.30Y	121.6	0.00	3.37	0.70	0	5	1	98	0.00	0.0	2.067	0.047	5	1	2	2
PL.56677	PL.56676	ABC	#2 ACSR	7.29Y	121.5	0.09	3.46	109.30	62	2287	704	96	1.60	0.1	2.048	0.033	0	0	0	296
PL.56875	PL.56677	ABC	#2 ACSR	7.29Y	121.5	0.06	3.52	48.40	28	1013	309	96	0.46	0.0	2.097	0.049	25	8	2	137
PL.56876	PL.56875	ABC	#2 ACSR	7.29Y	121.5	0.02	3.54	47.22	27	988	302	96	0.18	0.0	2.117	0.020	0	0	1	135
PL.56680	PL.56876	ABC	#2 ACSR	7.28Y	121.4	0.06	3.60	45.76	26	957	292	96	0.46	0.0	2.171	0.054	11	3	2	131
PL.56679	PL.56680	ABC	#2 ACSR	7.28Y	121.4	0.03	3.63	45.25	26	946	289	96	0.20	0.0	2.195	0.024	0	0	0	129
PL.42697	PL.56679	ABC	#2 ACSR	7.28Y	121.4	0.01	3.64	45.25	26	946	289	96	0.05	0.0	2.200	0.006	0	0	0	129
PD.6811	PL.42697	ABC	70L	7.28Y	121.4	0.00	3.64	45.25	65	946	288	96	0.00	0.0	2.200	0.006	0	0	0	129
PL.56681	PD.6811	ABC	#2 ACSR	7.28Y	121.3	0.02	3.66	45.25	26	946	288	96	0.15	0.0	2.218	0.018	23	7	6	129
PL.56682	PL.56681	ABC	#2 ACSR	7.28Y	121.3	0.07	3.73	44.15	25	922	281	96	0.47	0.1	2.277	0.059	0	0	0	123
PL.56408	PL.56682	C	#2 ACSR	7.28Y	121.3	0.00	3.73	2.60	1	18	6	95	0.00	0.0	2.283	0.006	0	0	0	8

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.6521	PL.56408	C	50QA	7.28Y	121.3	0.00	3.73	2.60	5	18	6	95	0.00	0.0	2.283	0.006	0	0	0	8
PL.63475	PD.6521	C	#2 ACSR	7.28Y	121.3	0.00	3.73	2.60	1	18	6	95	0.00	0.0	2.324	0.041	0	0	0	8
PL.63476	PL.63475	C	#2 ACSR	7.28Y	121.3	0.00	3.73	2.60	1	18	6	95	0.00	0.0	2.324	0.000	18	6	8	8
PL.56407	PL.56682	ABC	#2 ACSR	7.27Y	121.2	0.06	3.79	43.28	25	904	276	96	0.41	0.0	2.332	0.055	24	7	2	115
PL.41457	PL.56407	A	#4 ACSR	7.27Y	121.2	0.00	3.79	1.10	1	8	2	97	0.00	0.0	2.410	0.077	8	2	1	1
PL.41594	PL.56407	ABC	#2 ACSR	7.27Y	121.2	0.04	3.83	30.18	17	630	192	96	0.20	0.0	2.385	0.052	0	0	0	84
PL.41311	PL.41594	ABC	#2 ACSR	7.27Y	121.1	0.03	3.85	30.18	17	630	192	96	0.12	0.0	2.418	0.033	0	0	0	84
PL.41706	PL.41311	ABC	#2 ACSR	7.27Y	121.1	0.03	3.88	30.18	17	629	192	96	0.17	0.0	2.463	0.045	3	1	1	84
PL.41707	PL.41706	A	6 A (CWC)	7.27Y	121.1	0.00	3.89	0.87	1	6	2	95	0.00	0.0	2.468	0.006	0	0	0	2
PD.6420	PL.41707	A	50QA	7.27Y	121.1	0.00	3.89	0.87	2	6	2	95	0.00	0.0	2.468	0.006	0	0	0	2
PL.41030	PD.6420	A	6 A (CWC)	7.27Y	121.1	0.00	3.89	0.87	1	6	2	95	0.00	0.0	2.493	0.025	4	1	1	2
PL.41031	PL.41030	A	6 A (CWC)	7.27Y	121.1	0.00	3.89	0.26	0	2	1	89	0.00	0.0	2.530	0.036	0	0	0	1
PL.42268	PL.41031	A	6 A (CWC)	7.27Y	121.1	0.00	3.89	0.26	0	2	1	89	0.00	0.0	2.530	0.000	2	1	1	1
PL.56967	PL.41706	ABC	#2 ACSR	7.27Y	121.1	0.03	3.91	29.73	17	620	189	96	0.14	0.0	2.503	0.040	8	2	1	81
PL.56968	PL.56967	ABC	#2 ACSR	7.26Y	121.1	0.03	3.95	28.76	16	600	183	96	0.14	0.0	2.545	0.043	5	1	1	79
PL.56797	PL.56968	ABC	#2 ACSR	7.26Y	121.0	0.08	4.03	28.54	16	595	181	96	0.38	0.1	2.659	0.113	0	0	1	78
PL.56798	PL.56797	ABC	#1/0 ACSR	7.26Y	121.0	0.00	4.03	9.42	4	196	59	96	0.00	0.0	2.664	0.006	0	0	0	36
PD.6582	PL.56798	ABC	50QA	7.26Y	121.0	0.00	4.03	9.42	19	196	59	96	0.00	0.0	2.664	0.006	0	0	0	36
PL.56816	PD.6582	ABC	#1/0 ACSR	7.26Y	121.0	0.02	4.04	9.42	4	196	59	96	0.02	0.0	2.755	0.091	0	0	0	36
PL.56818	PL.56816	ABC	#1/0 ACSR	7.26Y	121.0	0.00	4.05	6.31	3	132	40	96	0.00	0.0	2.788	0.032	8	3	2	34
PL.56819	PL.56818	ABC	#1/0 ACSR	7.26Y	120.9	0.01	4.06	5.92	3	123	37	96	0.01	0.0	2.851	0.063	0	0	0	32
PL.56815	PL.56819	ABC	#1/0 ACSR	7.26Y	120.9	0.01	4.06	5.54	2	115	35	96	0.01	0.0	2.946	0.095	0	0	0	29
PL.41448	PL.56815	C	#4 ACSR	7.26Y	120.9	0.00	4.06	0.00	0	0	0	100	0.00	0.0	2.975	0.028	0	0	0	0
PL.42693	PL.56815	ABC	#1/0 ACSR	7.26Y	120.9	0.00	4.07	5.54	2	115	35	96	0.00	0.0	2.991	0.044	0	0	0	29
PL.42694	PL.42693	ABC	#1/0 ACSR	7.26Y	120.9	0.00	4.07	5.54	2	115	35	96	0.00	0.0	3.016	0.025	0	0	0	29
PL.42695	PL.42694	ABC	#1/0 ACSR	7.26Y	120.9	0.01	4.08	5.54	2	115	35	96	0.00	0.0	3.072	0.056	0	0	0	29
PL.42213	PL.42695	C	#4 ACSR	7.25Y	120.9	0.01	4.09	3.80	3	27	7	97	0.00	0.0	3.156	0.084	0	0	0	5
PL.63477	PL.42213	C	#4 ACSR	7.25Y	120.9	0.01	4.10	1.14	1	8	2	97	0.00	0.0	3.258	0.102	0	0	0	2
PL.63478	PL.63477	C	#4 ACSR	7.25Y	120.9	0.00	4.10	1.03	1	7	2	96	0.00	0.0	3.278	0.019	7	2	1	1
PL.63479	PL.63477	C	1/0 AL URD	7.25Y	120.9	0.00	4.10	0.14	0	1	0	100	0.00	0.0	3.357	0.099	0	0	0	1
PL.63480	PL.63479	C	1/0 AL URD	7.25Y	120.9	0.00	4.10	0.13	0	1	0	100	0.00	0.0	3.434	0.077	1	0	1	1

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Element Name	Parent Name	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.42214	PL.42213	C	#4 ACSR	7.25Y	120.9	0.01	4.10	2.66	2	18	6	95	0.00	0.0	3.322	0.166	15	5	2	3
PL.56977	PL.42214	C	#4 ACSR	7.25Y	120.9	0.00	4.10	0.48	0	3	1	95	0.00	0.0	3.386	0.064	3	1	1	1
PL.42696	PL.42695	C	#4 ACSR	7.25Y	120.9	0.01	4.09	12.82	10	89	27	96	0.01	0.0	3.091	0.019	17	5	6	24
PL.42207	PL.42696	C	#4 ACSR	7.25Y	120.9	0.01	4.10	10.42	8	72	22	96	0.01	0.0	3.120	0.030	6	2	1	18
PL.42208	PL.42207	C	#4 ACSR	7.25Y	120.9	0.03	4.13	9.56	7	66	20	96	0.02	0.0	3.194	0.074	0	0	0	17
PL.59137	PL.42208	C	#4 ACSR	7.25Y	120.9	0.00	4.13	0.52	0	4	1	97	0.00	0.0	3.223	0.029	4	1	2	2
PL.42209	PL.42208	C	#4 ACSR	7.25Y	120.9	0.01	4.14	9.04	7	63	19	96	0.01	0.0	3.222	0.028	5	1	1	15
PL.59302	PL.42209	C	#4 ACSR	7.25Y	120.8	0.01	4.15	7.82	6	54	17	95	0.00	0.0	3.256	0.034	7	2	1	13
PL.59301	PL.59302	C	#4 ACSR	7.25Y	120.8	0.00	4.15	0.00	0	0	0	100	0.00	0.0	3.314	0.058	0	0	0	0
PL.59303	PL.59302	C	#4 ACSR	7.25Y	120.8	0.02	4.17	6.88	5	48	15	95	0.01	0.0	3.310	0.055	8	2	2	12
PL.56988	PL.59303	C	#4 ACSR	7.25Y	120.8	0.00	4.17	0.64	0	4	1	97	0.00	0.0	3.365	0.054	4	1	1	1
PL.41348	PL.59303	C	#2 ACSR	7.25Y	120.8	0.00	4.17	0.54	0	4	1	97	0.00	0.0	3.333	0.022	4	1	1	1
PL.42210	PL.59303	C	#4 ACSR	7.25Y	120.8	0.02	4.19	4.56	4	32	10	95	0.00	0.0	3.422	0.112	11	3	2	8
PL.42211	PL.42210	C	#4 ACSR	7.25Y	120.8	0.00	4.19	2.96	2	21	6	96	0.00	0.0	3.437	0.015	0	0	0	6
PL.41349	PL.42211	C	#4 ACSR	7.25Y	120.8	0.00	4.19	1.51	1	10	3	96	0.00	0.0	3.471	0.034	10	3	2	2
PL.42212	PL.42211	C	#4 ACSR	7.25Y	120.8	0.00	4.19	1.45	1	10	3	96	0.00	0.0	3.486	0.049	4	1	1	4
PL.56989	PL.42212	C	#4 ACSR	7.25Y	120.8	0.00	4.19	0.81	1	6	2	95	0.00	0.0	3.534	0.048	6	2	1	3
PL.56990	PL.56989	C	#2 ACSR	7.25Y	120.8	0.00	4.19	0.02	0	0	0	100	0.00	0.0	3.552	0.019	0	0	2	2
PL.41713	PL.42209	C	#4 ACSR	7.25Y	120.9	0.00	4.14	0.55	0	4	1	97	0.00	0.0	3.263	0.041	4	1	1	1
PL.56814	PL.56819	C	#4 ACSR	7.26Y	120.9	0.00	4.06	1.13	1	8	2	97	0.00	0.0	2.894	0.043	8	2	3	3
PL.56817	PL.56816	A	#1/0 ACSR	7.26Y	121.0	0.00	4.05	9.33	4	65	20	96	0.00	0.0	2.758	0.003	0	0	0	2
PD.8249	PL.56817	A	20T	7.26Y	121.0	0.00	4.05	9.33	0	65	20	96	0.00	0.0	2.758	0.003	0	0	0	2
PL.56801	PD.8249	A	#1/0 ACSR	7.26Y	120.9	0.01	4.05	9.33	4	65	20	96	0.00	0.0	2.806	0.047	65	20	2	2
PL.56799	PL.56797	ABC	#1/0 ACSR	7.26Y	121.0	0.01	4.04	19.12	8	398	122	96	0.04	0.0	2.699	0.040	17	5	2	41
PL.56800	PL.56799	ABC	#1/0 ACSR	7.26Y	120.9	0.02	4.07	18.29	8	381	116	96	0.06	0.0	2.771	0.072	11	3	1	39
PL.42080	PL.56800	ABC	#1/0 ACSR	7.26Y	120.9	0.01	4.08	17.79	8	370	113	96	0.03	0.0	2.802	0.031	0	0	0	38
PL.56405	PL.42080	ABC	#1/0 ACSR	7.25Y	120.9	0.02	4.10	17.79	8	370	113	96	0.06	0.0	2.870	0.068	4	1	1	38
PL.56404	PL.56405	ABC	#2 ACSR	7.25Y	120.9	0.00	4.10	0.05	0	1	0	100	0.00	0.0	2.885	0.015	1	0	1	1
PL.42081	PL.56404	B	6 A (CWC)	7.25Y	120.9	0.00	4.10	0.00	0	0	0	100	0.00	0.0	2.891	0.006	0	0	0	0
PD.6714	PL.42081	B	40QA	7.25Y	120.9	0.00	4.10	0.00	0	0	0	100	0.00	0.0	2.891	0.006	0	0	0	0
PL.42082	PD.6714	B	6 A (CWC)	7.25Y	120.9	0.00	4.10	0.00	0	0	0	100	0.00	0.0	2.969	0.078	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: Keavy 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.41753	PL.56404	B	6 A (CWC)	7.25Y	120.9	0.00	4.10	0.00	0	0	0	100	0.00	0.0	2.983	0.098	0	0	0	0
PL.56406	PL.56405	ABC	#1/0 ACSR	7.25Y	120.9	0.02	4.12	17.56	8	366	112	96	0.06	0.0	2.947	0.077	12	4	1	36
PL.56410	PL.56406	ABC	#1/0 ACSR	7.25Y	120.9	0.02	4.14	13.98	6	291	89	96	0.03	0.0	3.015	0.068	27	8	2	29
PL.56664	PL.56410	ABC	#1/0 ACSR	7.25Y	120.9	0.01	4.14	9.26	4	193	59	96	0.01	0.0	3.050	0.036	2	1	1	19
PL.42085	PL.56664	A	#4 ACSR	7.25Y	120.9	0.00	4.15	1.68	1	12	4	95	0.00	0.0	3.056	0.006	0	0	0	1
PD.6584	PL.42085	A	40QA	7.25Y	120.9	0.00	4.15	1.68	4	12	4	95	0.00	0.0	3.056	0.006	0	0	0	1
PL.42086	PD.6584	A	#4 ACSR	7.25Y	120.9	0.00	4.15	1.68	1	12	4	95	0.00	0.0	3.104	0.048	12	4	1	1
PL.42087	PL.56664	ABC	#1/0 ACSR	7.25Y	120.8	0.01	4.15	8.59	4	179	54	96	0.01	0.0	3.085	0.035	15	5	1	17
PL.42088	PL.42087	ABC	#1/0 ACSR	7.25Y	120.8	0.00	4.15	7.86	3	164	50	96	0.00	0.0	3.109	0.023	0	0	0	16
PL.41670	PL.42088	A	#4 ACSR	7.25Y	120.8	0.00	4.16	10.21	8	71	22	96	0.00	0.0	3.114	0.006	0	0	0	6
PD.6585	PL.41670	A	40QA	7.25Y	120.8	0.00	4.16	10.21	26	71	22	96	0.00	0.0	3.114	0.006	0	0	0	6
PL.41671	PD.6585	A	#4 ACSR	7.25Y	120.8	0.02	4.17	10.21	8	71	22	96	0.01	0.0	3.150	0.036	0	0	0	6
PL.56877	PL.41671	A	#4 ACSR	7.25Y	120.8	0.00	4.17	3.77	3	26	8	96	0.00	0.0	3.173	0.023	26	8	3	3
PL.56878	PL.41671	A	#4 ACSR	7.25Y	120.8	0.01	4.18	6.44	5	45	14	95	0.00	0.0	3.178	0.028	15	5	1	3
PL.56879	PL.56878	A	#4 ACSR	7.25Y	120.8	0.01	4.18	4.20	3	29	9	96	0.00	0.0	3.239	0.062	29	9	2	2
PL.65739	PL.56879	A	#4 ACSR	7.25Y	120.8	0.00	4.18	0.00	0	0	0	100	0.00	0.0	3.245	0.006	0	0	0	0
PL.41672	PL.42088	A	6 A (CWC)	7.25Y	120.8	0.01	4.16	13.36	10	93	28	96	0.01	0.0	3.125	0.016	0	0	0	10
PL.58185	PL.41672	A	6 A (CWC)	7.25Y	120.8	0.00	4.16	13.36	10	93	28	96	0.00	0.0	3.127	0.002	0	0	0	10
PD.8605	PL.58185	A	25T	7.25Y	120.8	0.00	4.16	13.36	0	93	28	96	0.00	0.0	3.127	0.002	0	0	0	10
PL.58186	PD.8605	A	6 A (CWC)	7.25Y	120.8	0.01	4.18	13.36	10	93	28	96	0.01	0.0	3.148	0.021	34	11	2	10
PL.58184	PL.58186	A	6 A (CWC)	7.25Y	120.8	0.02	4.19	8.40	6	58	18	96	0.01	0.0	3.194	0.046	0	0	0	8
PL.56884	PL.58184	A	#4 ACSR	7.25Y	120.8	0.00	4.19	0.86	1	6	2	95	0.00	0.0	3.216	0.022	6	2	1	1
PL.56885	PL.56884	A	#4 ACSR	7.25Y	120.8	0.00	4.19	0.00	0	0	0	100	0.00	0.0	3.237	0.021	0	0	0	0
PL.56882	PL.58184	A	6 A (CWC)	7.25Y	120.8	0.02	4.21	7.54	5	52	16	96	0.01	0.0	3.254	0.060	0	0	0	7
PL.56883	PL.56882	A	6 A (CWC)	7.25Y	120.8	0.01	4.23	7.54	5	52	16	96	0.00	0.0	3.290	0.036	0	0	0	7
PL.42104	PL.56883	A	6 A (CWC)	7.24Y	120.7	0.03	4.26	7.54	5	52	16	96	0.01	0.0	3.377	0.088	0	0	0	7
PL.56899	PL.42104	A	6 A (CWC)	7.24Y	120.7	0.02	4.27	6.67	5	46	14	96	0.01	0.0	3.428	0.051	0	0	0	6
PL.56901	PL.56899	A	6 A (CWC)	7.24Y	120.7	0.01	4.28	2.72	2	19	6	95	0.00	0.0	3.554	0.125	19	6	1	3
PL.42106	PL.56901	A	6 A (CWC)	7.24Y	120.7	0.00	4.28	0.04	0	0	0	100	0.00	0.0	3.711	0.157	0	0	2	2
PL.72987	PL.42106	A	6 A (CWC)	7.24Y	120.7	0.00	4.28	0.00	0	0	0	100	0.00	0.0	3.711	0.000	0	0	0	0
PL.72988	PL.72987	A	6 A (CWC)	7.24Y	120.7	0.00	4.28	0.00	0	0	0	100	0.00	0.0	3.969	0.258	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: Keavy 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.56900	PL.56899	A	6 A (CWC)	7.24Y	120.7	0.03	4.30	3.94	3	27	8	96	0.01	0.0	3.593	0.165	0	0	0	3
PL.56898	PL.56900	A	6 A (CWC)	7.24Y	120.7	0.00	4.31	3.94	3	27	8	96	0.00	0.0	3.614	0.020	0	0	0	3
PL.56897	PL.56898	A	#2 ACSR	7.24Y	120.7	0.00	4.31	1.18	1	8	2	97	0.00	0.0	3.627	0.013	8	2	1	1
PL.42105	PL.56898	A	6 A (CWC)	7.24Y	120.7	0.01	4.31	2.77	2	19	6	95	0.00	0.0	3.680	0.066	7	2	1	2
PL.41419	PL.42105	A	#2 ACSR	7.24Y	120.7	0.00	4.31	0.00	0	0	0	100	0.00	0.0	3.731	0.051	0	0	0	0
PL.56881	PL.42105	A	#4 ACSR	7.24Y	120.7	0.00	4.32	1.80	1	12	4	95	0.00	0.0	3.748	0.068	12	4	1	1
PL.42232	PL.42104	A	1/0 AL URD	7.24Y	120.7	0.00	4.26	0.88	1	6	2	95	0.00	0.0	3.428	0.051	6	2	1	1
PL.41835	PL.56883	A	6 A (CWC)	7.25Y	120.8	0.00	4.23	0.00	0	0	0	100	0.00	0.0	3.338	0.048	0	0	0	0
PL.56665	PL.56410	B	#4/0 ACSR	7.25Y	120.9	0.01	4.15	10.27	3	71	22	96	0.00	0.0	3.069	0.054	10	3	1	8
PL.56666	PL.56665	B	#4/0 ACSR	7.25Y	120.9	0.00	4.15	2.97	1	21	6	96	0.00	0.0	3.097	0.029	7	2	1	2
PL.56886	PL.56666	B	#4/0 ACSR	7.25Y	120.9	0.00	4.15	2.02	1	14	4	96	0.00	0.0	3.127	0.029	14	4	1	1
PL.56668	PL.56665	B	#4/0 ACSR	7.25Y	120.9	0.00	4.15	5.86	2	41	12	96	0.00	0.0	3.102	0.034	8	3	1	5
PL.56669	PL.56668	B	#4/0 ACSR	7.25Y	120.8	0.00	4.15	1.13	0	8	2	97	0.00	0.0	3.209	0.107	0	0	0	1
PL.42096	PL.56669	B	#4/0 ACSR	7.25Y	120.8	0.00	4.15	1.13	0	8	2	97	0.00	0.0	3.306	0.097	8	2	1	1
PL.56667	PL.56668	B	#4/0 ACSR	7.25Y	120.8	0.00	4.15	3.53	1	25	7	96	0.00	0.0	3.168	0.065	25	7	3	3
PL.42083	PL.56406	C	#4 ACSR	7.25Y	120.9	0.00	4.12	9.02	7	63	19	96	0.00	0.0	2.952	0.006	0	0	0	6
PD.6583	PL.42083	C	50QA	7.25Y	120.9	0.00	4.12	9.02	18	63	19	96	0.00	0.0	2.952	0.006	0	0	0	6
PL.56853	PD.6583	C	#4 ACSR	7.25Y	120.9	0.00	4.13	9.02	7	63	19	96	0.00	0.0	2.976	0.024	63	19	6	6
PL.65738	PL.56853	C	#4 ACSR	7.25Y	120.9	0.00	4.13	0.00	0	0	0	100	0.00	0.0	3.090	0.114	0	0	0	0
PL.42077	PL.56800	C	#4 ACSR	7.26Y	120.9	0.00	4.07	0.00	0	0	0	100	0.00	0.0	2.777	0.006	0	0	0	0
PD.6421	PL.42077	C	40QA	7.26Y	120.9	0.00	4.07	0.00	0	0	0	100	0.00	0.0	2.777	0.006	0	0	0	0
PL.42078	PD.6421	C	#4 ACSR	7.26Y	120.9	0.00	4.07	0.00	0	0	0	100	0.00	0.0	2.796	0.019	0	0	0	0
PL.42079	PL.42078	C	#4 ACSR	7.26Y	120.9	0.00	4.07	0.00	0	0	0	100	0.00	0.0	2.848	0.052	0	0	0	0
PL.58204	PL.56967	C	#4 ACSR	7.27Y	121.1	0.00	3.92	1.74	1	12	4	95	0.00	0.0	2.505	0.003	0	0	0	1
PD.8682	PL.58204	C	15T	7.27Y	121.1	0.00	3.92	1.74	0	12	4	95	0.00	0.0	2.505	0.003	0	0	0	1
PL.58456	PD.8682	C	#4 ACSR	7.26Y	121.1	0.00	3.92	1.74	1	12	4	95	0.00	0.0	2.612	0.107	12	4	1	1
PL.42698	PL.56407	A	6 A (CWC)	7.27Y	121.2	0.01	3.79	34.81	25	242	74	96	0.02	0.0	2.338	0.006	0	0	0	28
PD.6581	PL.42698	A	50QA	7.27Y	121.2	0.00	3.79	34.81	70	242	74	96	0.00	0.0	2.338	0.006	0	0	0	28
PL.56835	PD.6581	A	6 A (CWC)	7.27Y	121.1	0.07	3.87	34.81	25	242	74	96	0.13	0.1	2.384	0.046	6	2	2	28
PL.56836	PL.56835	A	6 A (CWC)	7.27Y	121.1	0.04	3.91	33.96	24	236	72	96	0.07	0.0	2.409	0.025	0	0	0	26
PL.56427	PL.56836	A	6 A (CWC)	7.27Y	121.1	0.00	3.91	6.44	5	45	14	95	0.00	0.0	2.439	0.030	45	14	5	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: Keavy 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.56802	PL.56836	A	6 A (CWC)	7.26Y	121.0	0.09	3.99	27.52	20	191	58	96	0.13	0.1	2.477	0.068	0	0	0	21
PL.56804	PL.56802	A	6 A (CWC)	7.26Y	121.0	0.02	4.01	19.29	14	134	40	96	0.02	0.0	2.504	0.027	26	8	2	10
PL.56803	PL.56804	A	6 A (CWC)	7.26Y	121.0	0.00	4.02	4.16	3	29	9	96	0.00	0.0	2.548	0.044	29	9	3	3
PL.56805	PL.56804	A	6 A (CWC)	7.26Y	121.0	0.02	4.03	11.39	8	79	24	96	0.01	0.0	2.541	0.037	12	4	1	5
PL.56806	PL.56805	A	#1/0 ACSR	7.26Y	121.0	0.00	4.03	9.74	4	68	20	96	0.00	0.0	2.544	0.003	0	0	0	4
PD.8250	PL.56806	A	20QA	7.26Y	121.0	0.00	4.03	9.74	49	68	20	96	0.00	0.0	2.544	0.003	0	0	0	4
PL.59340	PD.8250	A	#1/0 ACSR	7.26Y	121.0	0.01	4.04	9.74	4	68	20	96	0.00	0.0	2.578	0.033	13	4	1	4
PL.59342	PL.59340	A	1/0 AL URD	7.26Y	120.9	0.01	4.05	4.13	2	29	8	96	0.00	0.0	2.676	0.098	0	0	0	1
PL.59343	PL.59342	A	1/0 AL URD	7.26Y	120.9	0.00	4.05	4.15	2	29	9	96	0.00	0.0	2.678	0.002	0	0	0	1
PD.8761	PL.59343	A	100CodeSMo	7.26Y	120.9	0.00	4.05	4.15	0	29	9	96	0.00	0.0	2.678	0.002	0	0	0	1
PL.59344	PD.8761	A	1/0 AL URD	7.26Y	120.9	0.00	4.05	4.15	2	29	9	96	0.00	0.0	2.710	0.032	29	9	1	1
PL.59341	PL.59340	A	#1/0 ACSR	7.26Y	121.0	0.00	4.04	3.76	2	26	8	96	0.00	0.0	2.688	0.111	26	8	2	2
PL.59271	PL.56802	A	#1/0 ACSR	7.26Y	121.0	0.01	4.00	8.23	4	57	17	96	0.00	0.0	2.518	0.041	0	0	0	11
PL.59715	PL.59271	A	6 A (CWC)	7.26Y	121.0	0.01	4.01	8.23	6	57	17	96	0.00	0.0	2.545	0.026	12	4	1	11
PL.59716	PL.59715	A	6 A (CWC)	7.26Y	121.0	0.03	4.04	6.50	5	45	14	95	0.01	0.0	2.646	0.102	0	0	0	10
PL.56874	PL.59716	A	6 A (CWC)	7.26Y	121.0	0.01	4.05	6.50	5	45	14	95	0.00	0.0	2.675	0.029	12	4	3	10
PL.59713	PL.56874	A	6 A (CWC)	7.26Y	120.9	0.01	4.06	4.72	3	33	10	96	0.00	0.0	2.752	0.077	14	4	1	7
PL.59712	PL.59713	A	#1/0 ACSR	7.26Y	120.9	0.00	4.06	0.10	0	1	0	100	0.00	0.0	2.781	0.028	1	0	1	1
PL.59714	PL.59713	A	6 A (CWC)	7.26Y	120.9	0.00	4.06	0.79	1	5	2	93	0.00	0.0	2.849	0.097	5	2	3	3
PL.59711	PL.59713	A	6 A (CWC)	7.26Y	120.9	0.00	4.06	1.86	1	13	4	96	0.00	0.0	2.777	0.025	13	4	2	2
PL.56675	PL.56876	B	6 A (CWC)	7.29Y	121.5	0.00	3.54	4.38	3	31	9	96	0.00	0.0	2.122	0.006	0	0	0	3
PD.6580	PL.56675	B	75QA	7.29Y	121.5	0.00	3.54	4.38	6	31	9	96	0.00	0.0	2.122	0.006	0	0	0	3
PL.56674	PD.6580	B	6 A (CWC)	7.29Y	121.5	0.00	3.55	4.38	3	31	9	96	0.00	0.0	2.145	0.023	6	2	1	3
PL.56823	PL.56674	B	6 A (CWC)	7.29Y	121.4	0.02	3.56	3.58	3	25	8	95	0.00	0.0	2.267	0.122	10	3	1	2
PL.56824	PL.56823	B	6 A (CWC)	7.29Y	121.4	0.00	3.57	2.20	2	15	5	95	0.00	0.0	2.301	0.034	15	5	1	1
PL.41337	PL.56677	ABC	#1/0 ACSR	7.28Y	121.4	0.15	3.61	60.91	26	1273	394	96	1.37	0.1	2.186	0.139	0	0	0	159
PD.6814-A	PL.41337	ABC	Closed	7.28Y	121.4	0.00	3.61	60.91	0	1272	392	96	0.00	0.0	2.186	0.139	0	0	0	159
PD.6814-B	PD.6814-A	ABC	Closed	7.28Y	121.4	0.00	3.61	60.91	0	1272	392	96	0.00	0.0	2.186	0.139	0	0	0	159
PL.61160	PD.6814-B	ABC	#1/0 ACSR	7.28Y	121.4	0.01	3.62	60.91	26	1272	392	96	0.05	0.0	2.192	0.005	4	1	1	159
PL.61159	PL.61160	ABC	#1/0 ACSR	7.28Y	121.3	0.12	3.74	60.73	26	1268	391	96	1.10	0.1	2.304	0.112	1	0	1	158
PL.57181	PL.61159	ABC	#1/0 ACSR	7.26Y	121.0	0.22	3.96	60.67	26	1266	390	96	1.95	0.2	2.502	0.198	0	0	0	157

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: Keavy 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.42605	PL.57181	ABC	#1/0 ACSR	7.26Y	120.9	0.11	4.07	48.48	21	1010	310	96	0.76	0.1	2.623	0.121	0	0	0	125
PL.42604	PL.42605	ABC	#1/0 ACSR	7.25Y	120.9	0.04	4.11	45.40	20	945	290	96	0.27	0.0	2.672	0.050	10	3	2	116
PL.42601	PL.42604	ABC	#1/0 ACSR	7.25Y	120.8	0.08	4.19	43.52	19	905	278	96	0.49	0.1	2.770	0.098	6	2	2	111
PL.58202	PL.42601	C	6 A (CWC)	7.25Y	120.8	0.00	4.19	5.97	4	41	13	95	0.00	0.0	2.774	0.003	0	0	0	5
PD.8681	PL.58202	C	25T	7.25Y	120.8	0.00	4.19	5.97	0	41	13	95	0.00	0.0	2.774	0.003	0	0	0	5
PL.58203	PD.8681	C	6 A (CWC)	7.25Y	120.8	0.05	4.24	5.97	4	41	13	95	0.02	0.0	2.954	0.181	0	0	1	5
PL.56995	PL.58203	C	6 A (CWC)	7.24Y	120.7	0.02	4.26	5.97	4	41	13	95	0.01	0.0	3.027	0.073	3	1	2	4
PL.42599	PL.56995	C	6 A (CWC)	7.24Y	120.7	0.02	4.28	5.47	4	38	12	95	0.00	0.0	3.132	0.105	25	8	1	2
PL.41301	PL.42599	C	#1/0 ACSR	7.24Y	120.7	0.00	4.28	1.91	1	13	4	96	0.00	0.0	3.168	0.036	13	4	1	1
PL.42600	PL.42599	C	6 A (CWC)	7.24Y	120.7	0.00	4.28	0.00	0	0	0	100	0.00	0.0	3.161	0.028	0	0	0	0
PL.41492	PL.42601	ABC	#1/0 ACSR	7.25Y	120.8	0.06	4.25	31.69	14	659	202	96	0.26	0.0	2.870	0.099	20	6	3	83
PL.42205	PL.41492	C	#4 ACSR	7.25Y	120.8	0.00	4.25	10.17	8	70	22	95	0.00	0.0	2.875	0.006	0	0	0	9
PD.6732	PL.42205	C	50QA	7.25Y	120.8	0.00	4.25	10.17	20	70	22	95	0.00	0.0	2.875	0.006	0	0	0	9
PL.56993	PD.6732	C	#4 ACSR	7.24Y	120.7	0.01	4.26	10.17	8	70	22	95	0.00	0.0	2.902	0.027	26	8	2	9
PL.56994	PL.56993	C	#4 ACSR	7.24Y	120.7	0.01	4.27	6.44	5	45	14	95	0.00	0.0	2.949	0.047	0	0	0	7
PL.56992	PL.56994	C	#4 ACSR	7.24Y	120.7	0.01	4.29	6.44	5	45	14	95	0.00	0.0	2.998	0.049	0	0	0	7
PL.56997	PL.56992	C	#4 ACSR	7.24Y	120.7	0.01	4.29	3.90	3	27	8	96	0.00	0.0	3.041	0.043	4	1	1	6
PL.56999	PL.56997	C	#4 ACSR	7.24Y	120.7	0.00	4.30	2.16	2	15	5	95	0.00	0.0	3.064	0.022	0	0	0	3
PL.57001	PL.56999	C	#2 ACSR	7.24Y	120.7	0.00	4.30	0.02	0	0	0	100	0.00	0.0	3.139	0.076	0	0	1	1
PL.57000	PL.56999	C	#4 ACSR	7.24Y	120.7	0.00	4.30	2.14	2	15	5	95	0.00	0.0	3.092	0.028	0	0	0	2
PL.56996	PL.57000	C	6 A (CWC)	7.24Y	120.7	0.00	4.30	1.60	1	11	3	96	0.00	0.0	3.171	0.079	11	3	1	1
PL.56998	PL.57000	C	6 A (CWC)	7.24Y	120.7	0.00	4.30	0.53	0	4	1	97	0.00	0.0	3.139	0.048	4	1	1	1
PL.56991	PL.56998	C	6 A (CWC)	7.24Y	120.7	0.00	4.30	0.00	0	0	0	100	0.00	0.0	3.205	0.065	0	0	0	0
PL.59304	PL.56997	C	#4 ACSR	7.24Y	120.7	0.00	4.30	1.22	1	8	3	94	0.00	0.0	3.092	0.051	8	3	2	2
PL.56809	PL.56992	C	#2 ACSR	7.24Y	120.7	0.00	4.29	2.54	1	18	5	96	0.00	0.0	3.034	0.037	18	5	1	1
PL.42204	PL.41492	ABC	#1/0 ACSR	7.24Y	120.7	0.01	4.26	24.37	11	506	155	96	0.05	0.0	2.900	0.031	0	0	0	63
PL.61181	PL.42204	ABC	#1/0 ACSR	7.24Y	120.7	0.02	4.29	24.37	11	506	155	96	0.09	0.0	2.956	0.056	3	1	2	63
PL.61180	PL.61181	ABC	#1/0 ACSR	7.24Y	120.7	0.04	4.33	24.22	11	503	154	96	0.14	0.0	3.046	0.090	0	0	0	61
PL.42203	PL.61180	C	6 A (CWC)	7.24Y	120.7	0.00	4.33	4.76	3	33	10	96	0.00	0.0	3.052	0.006	0	0	0	2
PD.6731	PL.42203	C	50QA	7.24Y	120.7	0.00	4.33	4.76	10	33	10	96	0.00	0.0	3.052	0.006	0	0	0	2
PL.57004	PD.6731	C	6 A (CWC)	7.24Y	120.7	0.01	4.34	4.76	3	33	10	96	0.00	0.0	3.116	0.064	15	5	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: Keavy 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.57005	PL.57004	C	6 A (CWC)	7.24Y	120.7	0.00	4.34	0.00	0	0	0	100	0.00	0.0	3.144	0.028	0	0	0	0
PL.57006	PL.57004	C	6 A (CWC)	7.24Y	120.7	0.00	4.34	2.61	2	18	6	95	0.00	0.0	3.122	0.006	0	0	0	1
PD.6481	PL.57006	C	50QA	7.24Y	120.7	0.00	4.34	2.61	5	18	6	95	0.00	0.0	3.122	0.006	0	0	0	1
PL.57003	PD.6481	C	6 A (CWC)	7.24Y	120.7	0.00	4.34	2.61	2	18	6	95	0.00	0.0	3.145	0.023	18	6	1	1
PL.42199	PL.61180	ABC	#1/0 ACSR	7.24Y	120.6	0.04	4.36	22.37	10	465	142	96	0.12	0.0	3.135	0.089	0	0	0	58
PL.52014	PL.42199	ABC	#1/0 ACSR	7.24Y	120.6	0.02	4.38	22.13	10	459	141	96	0.07	0.0	3.189	0.054	0	0	0	57
PL.52015	PL.52014	C	#1/0 ACSR	7.24Y	120.6	0.00	4.38	27.96	12	193	59	96	0.00	0.0	3.191	0.002	0	0	0	29
PD.8004	PL.52015	C	30T	7.24Y	120.6	0.00	4.38	27.96	0	193	59	96	0.00	0.0	3.191	0.002	0	0	0	29
PL.52016	PD.8004	C	#1/0 ACSR	7.22Y	120.4	0.23	4.61	27.96	12	193	59	96	0.29	0.2	3.539	0.348	0	0	0	29
PL.57098	PL.52016	C	#2 ACSR	7.22Y	120.3	0.05	4.66	27.96	16	193	59	96	0.06	0.0	3.594	0.055	14	4	1	29
PL.57097	PL.57098	C	6 A (CWC)	7.22Y	120.3	0.00	4.66	0.00	0	0	0	100	0.00	0.0	3.611	0.017	0	0	0	0
PL.57152	PL.57098	C	6 A (CWC)	7.22Y	120.3	0.03	4.70	18.27	13	126	39	96	0.03	0.0	3.637	0.043	15	5	2	20
PL.57173	PL.57152	C	6 A (CWC)	7.22Y	120.3	0.03	4.73	16.06	11	111	34	96	0.03	0.0	3.683	0.046	0	0	1	18
PL.57172	PL.57173	C	6 A (CWC)	7.21Y	120.2	0.03	4.76	16.06	11	111	34	96	0.03	0.0	3.728	0.045	0	0	0	17
PL.57153	PL.57172	C	6 A (CWC)	7.21Y	120.2	0.03	4.79	15.73	11	109	33	96	0.02	0.0	3.775	0.047	19	6	5	16
PL.57150	PL.57153	C	#1/0 ACSR	7.21Y	120.2	0.01	4.81	10.66	5	73	22	96	0.01	0.0	3.826	0.051	0	0	0	9
PL.57148	PL.57150	C	#4 ACSR	7.21Y	120.2	0.02	4.83	9.36	7	65	20	96	0.01	0.0	3.876	0.050	11	3	1	8
PL.57147	PL.57148	C	#1/0 ACSR	7.21Y	120.2	0.00	4.83	3.70	2	26	8	96	0.00	0.0	3.892	0.016	10	3	1	5
PL.57144	PL.57147	C	#1/0 ACSR	7.21Y	120.2	0.00	4.83	2.25	1	16	5	95	0.00	0.0	3.928	0.036	16	5	4	4
PL.57145	PL.57148	C	#4 ACSR	7.21Y	120.2	0.00	4.83	0.00	0	0	0	100	0.00	0.0	3.979	0.103	0	0	0	0
PL.57146	PL.57148	C	6 A (CWC)	7.21Y	120.2	0.01	4.84	4.01	3	28	8	96	0.00	0.0	3.981	0.105	23	7	1	2
PL.52009	PL.57146	C	6 A (CWC)	7.21Y	120.2	0.00	4.84	0.00	0	0	0	100	0.00	0.0	4.022	0.041	0	0	0	0
PL.52010	PL.52009	C	6 A (CWC)	7.21Y	120.2	0.00	4.84	0.00	0	0	0	100	0.00	0.0	4.025	0.002	0	0	0	0
PL.52011	PL.52009	C	6 A (CWC)	7.21Y	120.2	0.00	4.84	0.00	0	0	0	100	0.00	0.0	4.024	0.002	0	0	0	0
PL.52012	PL.52011	C	6 A (CWC)	7.21Y	120.2	0.00	4.84	0.00	0	0	0	100	0.00	0.0	4.024	0.000	0	0	0	0
PD.8003	PL.52012	C	25QA	7.21Y	120.2	0.00	4.84	0.00	0	0	0	100	0.00	0.0	4.024	0.000	0	0	0	0
PL.52013	PD.8003	C	6 A (CWC)	7.21Y	120.2	0.00	4.84	0.00	0	0	0	100	0.00	0.0	4.128	0.104	0	0	0	0
PL.41680	PL.57146	C	#2 ACSR	7.21Y	120.2	0.00	4.84	0.72	0	5	2	93	0.00	0.0	4.071	0.090	5	2	1	1
PL.57149	PL.57150	C	#4 ACSR	7.21Y	120.2	0.00	4.81	1.29	1	9	3	95	0.00	0.0	3.915	0.089	9	3	1	1
PL.57143	PL.57153	C	#1/0 ACSR	7.21Y	120.2	0.00	4.80	2.31	1	16	5	95	0.00	0.0	3.808	0.033	16	5	2	2
PL.57151	PL.57172	C	#4 ACSR	7.21Y	120.2	0.00	4.76	0.32	0	2	1	89	0.00	0.0	3.827	0.099	2	1	1	1

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Balanced Voltage Drop Report
Source: Keavy 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.57099	PL.57098	C	6 A (CWC)	7.22Y	120.3	0.02	4.68	7.70	6	53	16	96	0.01	0.0	3.652	0.058	6	2	1	8
PL.56911	PL.57099	C	6 A (CWC)	7.22Y	120.3	0.02	4.70	5.12	4	35	11	95	0.00	0.0	3.736	0.084	14	4	3	5
PL.56910	PL.56911	C	#4 ACSR	7.22Y	120.3	0.00	4.70	1.21	1	8	3	94	0.00	0.0	3.796	0.060	8	3	1	1
PL.56909	PL.56911	C	#4 ACSR	7.22Y	120.3	0.00	4.70	1.88	1	13	4	96	0.00	0.0	3.787	0.051	13	4	1	1
PL.57094	PL.57099	C	#1/0 ACSR	7.22Y	120.3	0.00	4.68	1.64	1	11	3	96	0.00	0.0	3.809	0.158	11	3	2	2
PL.52017	PL.52016	C	#1/0 ACSR	7.22Y	120.4	0.00	4.61	0.00	0	0	0	100	0.00	0.0	3.565	0.026	0	0	0	0
PL.57127	PL.52014	ABC	#1/0 ACSR	7.24Y	120.6	0.01	4.39	12.81	6	266	81	96	0.02	0.0	3.238	0.049	0	0	0	28
PL.57126	PL.57127	ABC	#1/0 ACSR	7.24Y	120.6	0.01	4.40	12.81	6	266	81	96	0.01	0.0	3.272	0.034	12	4	1	28
PL.57125	PL.57126	C	#2 ACSR	7.24Y	120.6	0.00	4.40	4.28	2	30	9	96	0.00	0.0	3.278	0.006	0	0	0	2
PD.6447	PL.57125	C	10QA	7.24Y	120.6	0.00	4.40	4.28	0	30	9	96	0.00	0.0	3.278	0.006	0	0	0	2
PL.57123	PD.6447	C	#2 ACSR	7.24Y	120.6	0.00	4.41	4.28	2	30	9	96	0.00	0.0	3.314	0.036	30	9	2	2
PL.57124	PL.57126	ABC	#1/0 ACSR	7.23Y	120.6	0.02	4.43	10.78	5	224	68	96	0.03	0.0	3.391	0.119	22	7	2	25
PL.56857	PL.57124	C	#4 ACSR	7.23Y	120.6	0.00	4.43	0.99	1	7	2	96	0.00	0.0	3.397	0.006	0	0	0	1
PD.6479	PL.56857	C	50QA	7.23Y	120.6	0.00	4.43	0.99	2	7	2	96	0.00	0.0	3.397	0.006	0	0	0	1
PL.56855	PD.6479	C	#4 ACSR	7.23Y	120.6	0.00	4.43	0.99	1	7	2	96	0.00	0.0	3.427	0.030	7	2	1	1
PL.56856	PL.57124	ABC	#1/0 ACSR	7.23Y	120.6	0.00	4.43	2.46	1	51	16	95	0.00	0.0	3.503	0.112	23	7	2	4
PL.56837	PL.56856	ABC	#1/0 ACSR	7.23Y	120.6	0.00	4.43	1.33	1	28	8	96	0.00	0.0	3.536	0.034	0	0	0	2
PL.42194	PL.56837	C	#2 ACSR	7.23Y	120.6	0.00	4.43	4.00	2	28	8	96	0.00	0.0	3.542	0.006	0	0	0	2
PD.6473	PL.42194	C	25QA	7.23Y	120.6	0.00	4.43	4.00	16	28	8	96	0.00	0.0	3.542	0.006	0	0	0	2
PL.56524	PD.6473	C	#2 ACSR	7.23Y	120.6	0.00	4.43	4.00	2	28	8	96	0.00	0.0	3.554	0.012	28	8	2	2
PL.41542	PL.56837	ABC	#1/0 ACSR	7.23Y	120.6	0.00	4.43	0.00	0	0	0	100	0.00	0.0	3.572	0.035	0	0	0	0
PD.6815-A	PL.41542	ABC	Open	7.23Y	120.6	0.00	4.43	0.00	0	0	0	100	0.00	0.0	3.572	0.035	0	0	0	0
PL.56859	PL.57124	A	#4 ACSR	7.23Y	120.5	0.04	4.47	13.98	11	97	30	96	0.03	0.0	3.462	0.071	9	3	2	13
PL.56518	PL.56859	A	#4 ACSR	7.23Y	120.5	0.04	4.51	12.68	10	88	27	96	0.02	0.0	3.540	0.078	20	6	3	11
PL.56517	PL.56518	A	#4 ACSR	7.23Y	120.5	0.00	4.51	0.09	0	1	0	100	0.00	0.0	3.634	0.093	1	0	1	1
PL.56519	PL.56518	A	#4 ACSR	7.23Y	120.5	0.01	4.51	9.72	7	67	21	95	0.00	0.0	3.554	0.013	11	3	1	7
PL.56516	PL.56519	A	#4 ACSR	7.23Y	120.5	0.02	4.53	8.12	6	56	17	96	0.01	0.0	3.623	0.069	24	7	2	6
PL.61133	PL.56516	A	#1/0 ACSR	7.23Y	120.5	0.00	4.53	1.41	1	10	3	96	0.00	0.0	3.627	0.004	0	0	0	1
PD.9261	PL.61133	A	10T	7.23Y	120.5	0.00	4.53	1.41	0	10	3	96	0.00	0.0	3.627	0.004	0	0	0	1
PL.61134	PD.9261	A	#1/0 ACSR	7.23Y	120.5	0.00	4.53	1.41	1	10	3	96	0.00	0.0	3.713	0.086	10	3	1	1
PL.56520	PL.56516	A	#4 ACSR	7.23Y	120.5	0.00	4.54	3.25	2	22	7	95	0.00	0.0	3.665	0.042	22	7	3	3

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

Balanced Voltage Drop Report
Source: Keavy 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.56858	PL.57124	A	#4 ACSR	7.23Y	120.6	0.00	4.43	6.75	5	47	14	96	0.00	0.0	3.397	0.006	0	0	0	5
PD.6480	PL.56858	A	50QA	7.23Y	120.6	0.00	4.43	6.75	13	47	14	96	0.00	0.0	3.397	0.006	0	0	0	5
PL.42198	PD.6480	A	#4 ACSR	7.23Y	120.6	0.01	4.44	6.75	5	47	14	96	0.00	0.0	3.431	0.034	11	3	1	5
PL.56905	PL.42198	A	#4 ACSR	7.23Y	120.6	0.01	4.44	5.18	4	36	11	96	0.00	0.0	3.488	0.056	36	11	4	4
PL.42200	PL.42199	A	#4 ACSR	7.24Y	120.6	0.00	4.36	0.73	1	5	2	93	0.00	0.0	3.140	0.006	0	0	0	1
PD.6777	PL.42200	A	50QA	7.24Y	120.6	0.00	4.36	0.73	1	5	2	93	0.00	0.0	3.140	0.006	0	0	0	1
PL.42201	PD.6777	A	#4 ACSR	7.24Y	120.6	0.00	4.36	0.73	1	5	2	93	0.00	0.0	3.162	0.021	5	2	1	1
PL.42202	PL.61180	A	6 A (CWC)	7.24Y	120.7	0.00	4.33	0.78	1	5	2	93	0.00	0.0	3.052	0.006	0	0	0	1
PD.6691	PL.42202	A	50QA	7.24Y	120.7	0.00	4.33	0.78	2	5	2	93	0.00	0.0	3.052	0.006	0	0	0	1
PL.57002	PD.6691	A	6 A (CWC)	7.24Y	120.7	0.00	4.33	0.78	1	5	2	93	0.00	0.0	3.080	0.028	5	2	1	1
PL.42206	PL.41492	A	#4 ACSR	7.25Y	120.8	0.00	4.25	8.95	7	62	19	96	0.00	0.0	2.875	0.006	0	0	0	8
PD.6482	PL.42206	A	50QA	7.25Y	120.8	0.00	4.25	8.95	18	62	19	96	0.00	0.0	2.875	0.006	0	0	0	8
PL.56918	PD.6482	A	#4 ACSR	7.24Y	120.7	0.02	4.27	8.95	7	62	19	96	0.01	0.0	2.924	0.049	22	7	4	8
PL.56919	PL.56918	A	#4 ACSR	7.24Y	120.7	0.01	4.28	5.83	4	40	12	96	0.00	0.0	2.968	0.044	0	0	0	4
PL.56917	PL.56919	A	#4 ACSR	7.24Y	120.7	0.01	4.28	5.83	4	40	12	96	0.00	0.0	2.998	0.031	16	5	1	4
PL.56906	PL.56917	A	#4 ACSR	7.24Y	120.7	0.01	4.29	3.52	3	24	7	96	0.00	0.0	3.041	0.043	8	2	2	3
PL.56907	PL.56906	A	#4 ACSR	7.24Y	120.7	0.00	4.29	2.35	2	16	5	95	0.00	0.0	3.084	0.043	16	5	1	1
PL.41547	PL.42601	A	#4 ACSR	7.25Y	120.8	0.01	4.20	28.71	22	199	61	96	0.01	0.0	2.776	0.006	0	0	0	21
PD.6483	PL.41547	A	50QA	7.25Y	120.8	0.00	4.20	28.71	57	199	61	96	0.00	0.0	2.776	0.006	0	0	0	21
PL.41548	PD.6483	A	#4 ACSR	7.25Y	120.8	0.01	4.21	28.71	22	199	61	96	0.02	0.0	2.788	0.012	19	6	2	21
PL.57770	PL.41548	A	#4 ACSR	7.24Y	120.7	0.05	4.27	26.04	20	180	55	96	0.07	0.0	2.839	0.052	41	12	3	19
PL.57771	PL.57770	A	#4 ACSR	7.24Y	120.7	0.02	4.29	20.19	16	140	43	96	0.03	0.0	2.867	0.028	12	4	1	16
PL.42596	PL.57771	A	#4 ACSR	7.24Y	120.7	0.02	4.31	18.51	14	128	39	96	0.02	0.0	2.898	0.031	11	3	1	15
PL.41768	PL.42596	A	#4 ACSR	7.24Y	120.7	0.03	4.34	16.97	13	118	36	96	0.03	0.0	2.940	0.042	13	4	1	14
PL.56820	PL.41768	A	#4 ACSR	7.24Y	120.6	0.04	4.39	15.03	12	104	32	96	0.03	0.0	3.016	0.076	35	11	5	13
PL.56821	PL.56820	A	#4 ACSR	7.24Y	120.6	0.03	4.41	10.01	8	69	21	96	0.01	0.0	3.072	0.056	0	0	0	8
PL.56685	PL.56821	A	#4 ACSR	7.24Y	120.6	0.00	4.42	8.45	6	58	18	96	0.00	0.0	3.086	0.014	14	4	1	6
PL.56686	PL.56685	A	#4 ACSR	7.23Y	120.6	0.00	4.42	6.39	5	44	14	95	0.00	0.0	3.099	0.014	36	11	4	5
PL.56687	PL.56686	A	#1/0 ACSR	7.23Y	120.6	0.00	4.42	1.15	0	8	2	97	0.00	0.0	3.102	0.003	0	0	0	1
PD.8248	PL.56687	A	20QA	7.23Y	120.6	0.00	4.42	1.15	6	8	2	97	0.00	0.0	3.102	0.003	0	0	0	1
PL.56688	PD.8248	A	#1/0 ACSR	7.23Y	120.6	0.00	4.42	1.15	0	8	2	97	0.00	0.0	3.155	0.053	8	2	1	1

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Balanced Voltage Drop Report
Source: Keavy 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.42597	PL.56821	A	#4 ACSR	7.24Y	120.6	0.00	4.41	1.56	1	11	3	96	0.00	0.0	3.094	0.022	11	3	1	2
PL.42598	PL.42597	A	#4 ACSR	7.24Y	120.6	0.00	4.41	0.01	0	0	0	100	0.00	0.0	3.112	0.018	0	0	1	1
PL.56822	PL.56820	A	#4 ACSR	7.24Y	120.6	0.00	4.39	0.00	0	0	0	100	0.00	0.0	3.054	0.039	0	0	0	0
PL.42602	PL.42604	B	#4 ACSR	7.25Y	120.9	0.00	4.11	4.15	3	29	9	96	0.00	0.0	2.678	0.006	0	0	0	3
PD.6538	PL.42602	B	50QA	7.25Y	120.9	0.00	4.11	4.15	8	29	9	96	0.00	0.0	2.678	0.006	0	0	0	3
PL.42603	PD.6538	B	#4 ACSR	7.25Y	120.9	0.01	4.12	4.15	3	29	9	96	0.00	0.0	2.745	0.067	29	9	3	3
PL.42606	PL.42605	B	6 A (CWC)	7.25Y	120.9	0.01	4.09	9.22	7	64	20	95	0.01	0.0	2.660	0.038	10	3	2	9
PL.42607	PL.42606	B	6 A (CWC)	7.25Y	120.9	0.01	4.09	7.77	6	54	16	96	0.00	0.0	2.695	0.035	54	16	7	7
PL.58166	PL.57181	A	#4 ACSR	7.26Y	121.0	0.00	3.97	36.58	28	254	78	96	0.01	0.0	2.504	0.002	0	0	0	32
PD.8597	PL.58166	A	30T	7.26Y	121.0	0.00	3.97	36.58	0	254	78	96	0.00	0.0	2.504	0.002	0	0	0	32
PL.58167	PD.8597	A	#4 ACSR	7.26Y	121.0	0.07	4.03	36.58	28	254	78	96	0.13	0.1	2.545	0.041	0	0	0	32
PL.58165	PL.58167	A	#4 ACSR	7.25Y	120.8	0.13	4.16	36.58	28	254	77	96	0.25	0.1	2.623	0.079	0	0	0	32
PL.56873	PL.58165	A	#4 ACSR	7.24Y	120.7	0.13	4.29	34.27	26	238	72	96	0.23	0.1	2.706	0.083	7	2	1	30
PL.42608	PL.56873	A	#4 ACSR	7.24Y	120.6	0.10	4.39	33.30	26	231	70	96	0.18	0.1	2.774	0.068	0	0	0	29
PL.42609	PL.42608	A	#4 ACSR	7.24Y	120.6	0.00	4.39	1.69	1	12	4	95	0.00	0.0	2.844	0.070	12	4	1	1
PL.42610	PL.42609	A	#4 ACSR	7.24Y	120.6	0.00	4.39	0.00	0	0	0	100	0.00	0.0	2.892	0.047	0	0	0	0
PL.42623	PL.42608	A	#4 ACSR	7.24Y	120.6	0.02	4.41	14.83	11	103	31	96	0.02	0.0	2.807	0.034	0	0	0	17
PL.57134	PL.42623	A	#4 ACSR	7.24Y	120.6	0.00	4.41	8.22	6	57	17	96	0.00	0.0	2.808	0.000	0	0	0	10
PL.57135	PL.57134	A	#1/0 ACSR	7.24Y	120.6	0.00	4.41	3.07	1	21	6	96	0.00	0.0	2.831	0.023	9	3	1	3
PL.57136	PL.57135	A	#1/0 ACSR	7.24Y	120.6	0.00	4.41	0.84	0	6	2	95	0.00	0.0	2.847	0.016	6	2	1	1
PL.57142	PL.57135	A	1/0 AL URD	7.24Y	120.6	0.00	4.41	0.91	1	6	2	95	0.00	0.0	2.911	0.080	6	2	1	1
PL.57138	PL.57134	A	#4 ACSR	7.23Y	120.6	0.01	4.42	5.15	4	36	11	96	0.00	0.0	2.849	0.042	9	3	2	7
PL.57137	PL.57138	A	#4 ACSR	7.23Y	120.6	0.01	4.43	3.63	3	25	8	95	0.00	0.0	2.897	0.048	0	0	0	4
PL.57139	PL.57137	A	#4 ACSR	7.23Y	120.6	0.00	4.43	1.94	1	13	4	96	0.00	0.0	2.912	0.015	13	4	1	2
PL.57140	PL.57139	A	#4 ACSR	7.23Y	120.6	0.00	4.43	0.00	0	0	0	100	0.00	0.0	2.952	0.040	0	0	1	1
PL.42624	PL.57137	A	#4 ACSR	7.23Y	120.6	0.00	4.43	1.69	1	12	4	95	0.00	0.0	2.927	0.030	12	4	2	2
PL.57141	PL.57138	A	#1/0 ACSR	7.23Y	120.6	0.00	4.42	0.28	0	2	1	89	0.00	0.0	2.865	0.016	2	1	1	1
PL.56826	PL.42623	A	#4 ACSR	7.24Y	120.6	0.00	4.42	6.61	5	46	14	96	0.00	0.0	2.835	0.028	46	14	7	7
PL.42611	PL.42608	A	#4 ACSR	7.23Y	120.6	0.03	4.42	16.78	13	116	35	96	0.02	0.0	2.816	0.042	25	8	2	11
PL.42612	PL.42611	A	#4 ACSR	7.23Y	120.6	0.02	4.44	13.14	10	91	28	96	0.02	0.0	2.854	0.039	0	0	0	9
PL.42621	PL.42612	A	#4 ACSR	7.23Y	120.6	0.01	4.45	4.42	3	31	9	96	0.00	0.0	2.920	0.065	17	5	1	2

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Balanced Voltage Drop Report
Source: Keavy 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.42622	PL.42621	A	#4 ACSR	7.23Y	120.5	0.00	4.45	1.94	1	13	4	96	0.00	0.0	2.978	0.058	13	4	1	1
PL.42620	PL.42622	A	#4 ACSR	7.23Y	120.5	0.00	4.45	0.00	0	0	0	100	0.00	0.0	2.995	0.017	0	0	0	0
PL.42613	PL.42612	A	#4 ACSR	7.23Y	120.5	0.02	4.46	8.72	7	60	18	96	0.01	0.0	2.913	0.059	15	5	1	7
PL.42614	PL.42613	A	#4 ACSR	7.23Y	120.5	0.01	4.47	6.57	5	45	14	95	0.00	0.0	2.949	0.036	8	2	1	6
PL.42615	PL.42614	A	#4 ACSR	7.23Y	120.5	0.01	4.48	5.47	4	38	12	95	0.00	0.0	2.986	0.037	9	3	1	5
PL.42616	PL.42615	A	#4 ACSR	7.23Y	120.5	0.01	4.49	4.17	3	29	9	96	0.00	0.0	3.022	0.036	0	0	0	4
PL.42617	PL.42616	A	#4 ACSR	7.23Y	120.5	0.01	4.49	4.17	3	29	9	96	0.00	0.0	3.057	0.035	9	3	1	4
PL.42618	PL.42617	A	#4 ACSR	7.23Y	120.5	0.00	4.49	2.86	2	20	6	96	0.00	0.0	3.075	0.019	20	6	3	3
PL.42619	PL.42618	A	#4 ACSR	7.23Y	120.5	0.00	4.49	0.00	0	0	0	100	0.00	0.0	3.081	0.006	0	0	0	0
PL.56428	PL.58165	A	#4 ACSR	7.25Y	120.8	0.00	4.16	2.31	2	16	5	95	0.00	0.0	2.643	0.019	16	5	2	2
PL.42692	PL.62408	C	6 A (CWC)	7.31Y	121.8	0.00	3.16	6.19	4	43	13	96	0.00	0.0	1.946	0.006	0	0	0	6
PD.6419	PL.42692	C	75QA	7.31Y	121.8	0.00	3.16	6.19	8	43	13	96	0.00	0.0	1.946	0.006	0	0	0	6
PL.59369	PD.6419	C	6 A (CWC)	7.31Y	121.8	0.01	3.17	6.19	4	43	13	96	0.00	0.0	2.008	0.061	26	8	3	6
PL.59370	PL.59369	C	6 A (CWC)	7.31Y	121.8	0.00	3.18	2.48	2	17	5	96	0.00	0.0	2.063	0.055	17	5	3	3
PL.59270	PL.59370	C	6 A (CWC)	7.31Y	121.8	0.00	3.18	0.00	0	0	0	100	0.00	0.0	2.124	0.062	0	0	0	0
PL.56834	PL.59270	C	6 A (CWC)	7.31Y	121.8	0.00	3.18	0.00	0	0	0	100	0.00	0.0	2.182	0.058	0	0	0	0
PL.62407	PL.62405	ABC	336 MCM AC	7.32Y	122.0	0.12	3.01	57.06	11	1199	369	96	0.74	0.1	2.117	0.269	0	0	0	130
PL.62406	PL.62407	ABC	#2 ACSR	7.32Y	122.0	0.01	3.02	57.06	33	1198	367	96	0.08	0.0	2.122	0.006	0	0	0	130
PL.62945	PL.62406	ABC	336 MCM AC	7.32Y	122.0	0.02	3.04	57.06	11	1198	367	96	0.10	0.0	2.161	0.039	42	13	4	130
PL.62404	PL.62945	ABC	336 MCM AC	7.32Y	122.0	0.01	3.04	9.92	2	208	64	96	0.01	0.0	2.243	0.082	9	3	2	24
PL.62403	PL.62404	ABC	336 MCM AC	7.32Y	122.0	0.01	3.05	9.50	2	199	61	96	0.01	0.0	2.322	0.080	6	2	2	22
PL.42687	PL.62403	C	6 A (CWC)	7.32Y	121.9	0.00	3.05	11.49	8	80	25	95	0.00	0.0	2.328	0.006	0	0	0	7
PD.6460	PL.42687	C	25T	7.32Y	121.9	0.00	3.05	11.49	0	80	25	95	0.00	0.0	2.328	0.006	0	0	0	7
PL.42688	PD.6460	C	6 A (CWC)	7.31Y	121.9	0.05	3.10	11.49	8	80	25	95	0.03	0.0	2.418	0.091	0	0	0	7
PL.42689	PL.42688	C	6 A (CWC)	7.31Y	121.8	0.06	3.16	8.80	6	62	19	96	0.03	0.0	2.575	0.156	0	0	0	5
PL.56828	PL.42689	C	6 A (CWC)	7.31Y	121.8	0.01	3.17	7.45	5	52	16	96	0.00	0.0	2.606	0.031	18	6	1	4
PL.56829	PL.56828	C	6 A (CWC)	7.31Y	121.8	0.03	3.21	4.85	3	34	10	96	0.01	0.0	2.824	0.218	20	6	1	3
PL.42690	PL.56829	C	6 A (CWC)	7.31Y	121.8	0.00	3.21	2.01	1	14	4	96	0.00	0.0	2.862	0.038	14	4	2	2
PL.56827	PL.42689	C	#4 ACSR	7.31Y	121.8	0.00	3.17	1.35	1	9	3	95	0.00	0.0	2.639	0.064	9	3	1	1
PL.56661	PL.42688	C	6 A (CWC)	7.31Y	121.9	0.00	3.10	2.69	2	19	6	95	0.00	0.0	2.467	0.048	19	6	2	2
PL.42684	PL.62403	ABC	336 MCM AC	7.32Y	121.9	0.01	3.06	5.39	1	113	35	96	0.00	0.0	2.492	0.170	11	3	1	13

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

Balanced Voltage Drop Report
Source: Keavy 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.42685	PL.42684	C	6 A (CWC)	7.32Y	121.9	0.00	3.06	0.00	0	0	0	100	0.00	0.0	2.498	0.006	0	0	0	0
PD.6459	PL.42685	C	40QA	7.32Y	121.9	0.00	3.06	0.00	0	0	0	100	0.00	0.0	2.498	0.006	0	0	0	0
PL.42686	PD.6459	C	6 A (CWC)	7.32Y	121.9	0.00	3.06	0.00	0	0	0	100	0.00	0.0	2.525	0.028	0	0	0	0
PL.42683	PL.42684	ABC	336 MCM AC	7.32Y	121.9	0.01	3.06	4.88	1	102	31	96	0.00	0.0	2.663	0.171	0	0	0	12
PL.42677	PL.42683	ABC	#2 ACSR	7.32Y	121.9	0.00	3.07	2.71	2	57	17	96	0.00	0.0	2.702	0.038	7	2	1	7
PL.42676	PL.42677	ABC	336 MCM AC	7.32Y	121.9	0.00	3.07	2.38	0	50	15	96	0.00	0.0	2.783	0.081	2	1	1	6
PL.56845	PL.42676	ABC	#2 ACSR	7.32Y	121.9	0.00	3.07	2.26	1	48	15	95	0.00	0.0	2.807	0.024	23	7	2	5
PL.56843	PL.56845	ABC	336 MCM AC	7.32Y	121.9	0.00	3.07	0.97	0	20	6	96	0.00	0.0	2.869	0.062	14	4	1	2
PL.42674	PL.56843	ABC	336 MCM AC	7.32Y	121.9	0.00	3.07	0.30	0	6	2	95	0.00	0.0	2.947	0.078	0	0	0	1
PL.62939	PL.42674	ABC	336 MCM AC	7.32Y	121.9	0.00	3.07	0.00	0	0	0	100	0.00	0.0	2.974	0.027	0	0	0	0
PD.9453-A	PL.62939	ABC	Open	7.32Y	121.9	0.00	3.07	0.00	0	0	0	100	0.00	0.0	2.974	0.027	0	0	0	0
PL.41726	PL.42674	C	#2 ACSR	7.32Y	121.9	0.00	3.07	0.89	1	6	2	95	0.00	0.0	3.009	0.062	6	2	1	1
PL.56810	PL.56845	A	#2 ACSR	7.32Y	121.9	0.00	3.07	0.00	0	0	0	100	0.00	0.0	2.814	0.007	0	0	0	0
PD.8252	PL.56810	A	50QA	7.32Y	121.9	0.00	3.07	0.00	0	0	0	100	0.00	0.0	2.814	0.007	0	0	0	0
PL.56811	PD.8252	A	#2 ACSR	7.32Y	121.9	0.00	3.07	0.00	0	0	0	100	0.00	0.0	2.895	0.081	0	0	0	0
PL.56844	PL.56845	C	#4 ACSR	7.32Y	121.9	0.00	3.07	0.58	0	4	1	97	0.00	0.0	2.812	0.006	0	0	0	1
PD.6557	PL.56844	C	75QA	7.32Y	121.9	0.00	3.07	0.58	1	4	1	97	0.00	0.0	2.812	0.006	0	0	0	1
PL.42675	PD.6557	C	#4 ACSR	7.32Y	121.9	0.00	3.07	0.58	0	4	1	97	0.00	0.0	2.867	0.054	4	1	1	1
PL.62943	PL.42683	C	#4 ACSR	7.32Y	121.9	0.00	3.06	6.52	5	46	14	96	0.00	0.0	2.667	0.004	0	0	0	5
PD.9454	PL.62943	C	T	7.32Y	121.9	0.00	3.06	6.52	0	46	14	96	0.00	0.0	2.667	0.004	0	0	0	5
PL.62944	PD.9454	C	#4 ACSR	7.32Y	121.9	0.01	3.08	6.52	5	46	14	96	0.00	0.0	2.711	0.044	0	0	0	5
PL.42678	PL.62944	C	#4 ACSR	7.31Y	121.9	0.01	3.08	4.35	3	30	9	96	0.00	0.0	2.765	0.054	17	5	2	3
PL.42679	PL.42678	C	#4 ACSR	7.31Y	121.9	0.00	3.09	1.93	1	14	4	96	0.00	0.0	2.823	0.058	14	4	1	1
PL.42680	PL.42679	C	#4 ACSR	7.31Y	121.9	0.00	3.09	0.00	0	0	0	100	0.00	0.0	2.855	0.032	0	0	0	0
PL.42681	PL.62944	C	#1/0 ACSR	7.32Y	121.9	0.01	3.08	2.17	1	15	5	95	0.00	0.0	2.812	0.101	0	0	0	2
PL.41545	PL.42681	C	#1/0 ACSR	7.32Y	121.9	0.00	3.08	1.19	1	8	3	94	0.00	0.0	2.841	0.028	8	3	1	1
PL.42682	PL.42681	C	#1/0 ACSR	7.31Y	121.9	0.00	3.08	0.97	0	7	2	96	0.00	0.0	2.939	0.126	7	2	1	1
PL.62946	PL.62945	ABC	#1/0 ACSR	7.31Y	121.9	0.06	3.10	45.14	20	947	291	96	0.42	0.0	2.239	0.078	0	0	0	102
PL.42691	PL.62946	ABC	#1/0 ACSR	7.31Y	121.9	0.00	3.11	45.14	20	947	290	96	0.03	0.0	2.244	0.006	0	0	0	102
C PD.6810	PL.42691	ABC	50L	7.31Y	121.9	0.00	3.11	45.14	90	947	290	96	0.00	0.0	2.244	0.006	0	0	0	102 C
PL.59338	PD.6810	ABC	#1/0 ACSR	7.31Y	121.8	0.09	3.20	45.14	20	947	290	96	0.60	0.1	2.357	0.112	9	3	1	102

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: Keavy 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.59339	PL.59338	ABC	#1/0 ACSR	7.30Y	121.7	0.05	3.25	44.69	19	937	287	96	0.33	0.0	2.420	0.064	18	5	3	101
PL.42108	PL.59339	B	#1/0 ACSR	7.30Y	121.7	0.00	3.25	3.16	1	22	7	95	0.00	0.0	2.426	0.006	0	0	0	2
PD.6461	PL.42108	B	40QA	7.30Y	121.7	0.00	3.25	3.16	8	22	7	95	0.00	0.0	2.426	0.006	0	0	0	2
PL.42109	PD.6461	B	#1/0 ACSR	7.30Y	121.7	0.00	3.25	3.16	1	22	7	95	0.00	0.0	2.445	0.019	22	7	2	2
PL.41887	PL.59339	ABC	#1/0 ACSR	7.30Y	121.7	0.04	3.29	42.78	19	897	274	96	0.27	0.0	2.478	0.057	57	18	7	96
PL.42110	PL.41887	A	6 A (CWC)	7.30Y	121.7	0.01	3.30	41.36	30	289	89	96	0.02	0.0	2.483	0.006	0	0	0	32
C PD.6719	PL.42110	A	40QA	7.30Y	121.7	0.00	3.30	41.36	103	289	89	96	0.00	0.0	2.483	0.006	0	0	0	32 C
PL.56954	PD.6719	A	6 A (CWC)	7.30Y	121.6	0.09	3.40	41.36	30	289	89	96	0.20	0.1	2.533	0.050	6	2	1	32
PL.56955	PL.56954	A	6 A (CWC)	7.29Y	121.5	0.11	3.51	40.53	29	283	87	96	0.23	0.1	2.595	0.061	22	7	1	31
PL.56956	PL.56955	A	6 A (CWC)	7.28Y	121.4	0.09	3.60	37.43	27	261	80	96	0.16	0.1	2.648	0.053	32	10	2	30
PL.56957	PL.56956	A	6 A (CWC)	7.28Y	121.3	0.08	3.67	32.89	23	229	70	96	0.13	0.1	2.699	0.051	12	4	2	28
PL.42112	PL.56957	A	6 A (CWC)	7.28Y	121.3	0.06	3.73	31.23	22	217	67	96	0.10	0.0	2.742	0.043	0	0	0	26
PL.56895	PL.42112	A	6 A (CWC)	7.28Y	121.3	0.00	3.74	2.24	2	16	5	95	0.00	0.0	2.786	0.044	7	2	1	3
PL.56896	PL.56895	A	6 A (CWC)	7.28Y	121.3	0.00	3.74	1.24	1	9	3	95	0.00	0.0	2.835	0.050	9	3	2	2
PL.42113	PL.42112	A	6 A (CWC)	7.27Y	121.2	0.07	3.81	25.20	18	175	54	96	0.10	0.1	2.806	0.064	0	0	0	20
PL.42114	PL.42113	A	6 A (CWC)	7.27Y	121.1	0.04	3.85	24.49	17	170	52	96	0.06	0.0	2.845	0.039	0	0	0	19
PL.42115	PL.42114	A	6 A (CWC)	7.26Y	121.1	0.08	3.93	22.15	16	154	47	96	0.09	0.1	2.934	0.089	31	9	2	17
PL.42116	PL.42115	A	6 A (CWC)	7.26Y	121.0	0.03	3.96	16.00	11	111	34	96	0.03	0.0	2.976	0.042	0	0	0	13
PL.42222	PL.42116	A	#2 ACSR	7.26Y	121.0	0.00	3.97	1.22	1	9	3	95	0.00	0.0	3.021	0.045	9	3	1	1
PL.42117	PL.42116	A	6 A (CWC)	7.26Y	121.0	0.02	3.98	14.78	11	103	31	96	0.02	0.0	3.008	0.032	12	4	2	12
PL.41758	PL.42117	A	6 A (CWC)	7.26Y	121.0	0.01	4.00	12.98	9	90	28	95	0.01	0.0	3.031	0.023	17	5	1	10
PL.41759	PL.41758	A	6 A (CWC)	7.26Y	121.0	0.04	4.03	10.53	8	73	22	96	0.02	0.0	3.120	0.088	25	8	3	9
PL.41760	PL.41759	A	6 A (CWC)	7.26Y	121.0	0.01	4.05	6.87	5	48	15	95	0.00	0.0	3.175	0.055	23	7	2	6
PL.41761	PL.41760	A	6 A (CWC)	7.26Y	121.0	0.00	4.05	3.49	2	24	7	96	0.00	0.0	3.208	0.033	14	4	1	4
PL.59384	PL.41761	A	6 A (CWC)	7.26Y	120.9	0.00	4.05	1.51	1	10	3	96	0.00	0.0	3.254	0.047	10	3	3	3
PL.41762	PL.42115	A	#4 ACSR	7.26Y	121.1	0.00	3.94	1.71	1	12	4	95	0.00	0.0	3.005	0.072	7	2	1	2
PL.56655	PL.41762	A	#4 ACSR	7.26Y	121.1	0.00	3.94	0.68	1	5	1	98	0.00	0.0	3.100	0.095	5	1	1	1
PL.41773	PL.41762	A	#4 ACSR	7.26Y	121.1	0.00	3.94	0.00	0	0	0	100	0.00	0.0	3.062	0.057	0	0	0	0
PL.56812	PL.42114	A	#4 ACSR	7.27Y	121.1	0.00	3.85	2.34	2	16	5	95	0.00	0.0	2.880	0.035	16	5	2	2
PL.56813	PL.42113	A	#4 ACSR	7.27Y	121.2	0.00	3.81	0.71	1	5	2	93	0.00	0.0	2.844	0.038	5	2	1	1
PL.41886	PL.42112	A	6 A (CWC)	7.28Y	121.3	0.01	3.74	3.80	3	26	8	96	0.00	0.0	2.800	0.059	26	8	3	3

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

Balanced Voltage Drop Report
Source: Keavy 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.41345	PL.41887	ABC	#1/0 ACSR	7.30Y	121.7	0.03	3.33	26.26	11	550	168	96	0.12	0.0	2.547	0.070	28	9	2	57
PL.41346	PL.41345	ABC	#1/0 ACSR	7.30Y	121.7	0.02	3.35	24.90	11	522	159	96	0.07	0.0	2.592	0.045	0	0	0	55
PL.41643	PL.41346	ABC	#1/0 ACSR	7.30Y	121.6	0.03	3.37	24.90	11	522	159	96	0.09	0.0	2.655	0.062	78	24	4	55
PL.56891	PL.41643	ABC	#1/0 ACSR	7.30Y	121.6	0.02	3.39	21.16	9	443	135	96	0.06	0.0	2.707	0.052	42	13	5	51
PL.58419	PL.56891	C	6 A (CWC)	7.30Y	121.6	0.01	3.40	38.07	27	266	81	96	0.02	0.0	2.711	0.005	0	0	0	26
PD.8584	PL.58419	C	25T	7.30Y	121.6	0.00	3.40	38.07	0	266	81	96	0.00	0.0	2.711	0.005	0	0	0	26
PL.59312	PD.8584	C	6 A (CWC)	7.28Y	121.4	0.23	3.63	38.07	27	266	81	96	0.46	0.2	2.844	0.133	4	1	1	26
PL.59310	PL.59312	C	6 A (CWC)	7.28Y	121.3	0.04	3.68	35.19	25	245	74	96	0.08	0.0	2.871	0.027	0	0	0	24
PL.56871	PL.59310	C	#4 ACSR	7.28Y	121.3	0.02	3.70	8.67	7	60	18	96	0.01	0.0	2.948	0.077	36	11	2	5
PL.56872	PL.56871	C	#4 ACSR	7.28Y	121.3	0.01	3.71	3.46	3	24	7	96	0.00	0.0	3.001	0.053	0	0	0	3
PL.41764	PL.56872	C	#4 ACSR	7.28Y	121.3	0.00	3.71	2.34	2	16	5	95	0.00	0.0	3.065	0.064	16	5	2	2
PL.56514	PL.56872	C	#4 ACSR	7.28Y	121.3	0.00	3.71	1.12	1	8	2	97	0.00	0.0	3.032	0.031	8	2	1	1
PL.41765	PL.59310	C	6 A (CWC)	7.27Y	121.2	0.10	3.77	26.52	19	185	56	96	0.13	0.1	2.953	0.082	8	2	1	19
PL.56976	PL.41765	C	#4 ACSR	7.27Y	121.2	0.00	3.78	2.72	2	19	6	95	0.00	0.0	3.005	0.052	19	6	2	2
PL.63236	PL.41765	C	#1/0 ACSR	7.27Y	121.2	0.00	3.78	1.83	1	13	4	96	0.00	0.0	3.018	0.065	13	4	1	1
PL.56913	PL.41765	C	6 A (CWC)	7.27Y	121.2	0.04	3.82	20.86	15	145	44	96	0.04	0.0	2.998	0.045	14	4	2	15
PL.56914	PL.56913	C	#4 ACSR	7.27Y	121.1	0.04	3.86	15.21	12	106	32	96	0.03	0.0	3.068	0.069	13	4	2	9
PL.56978	PL.56914	C	#4 ACSR	7.27Y	121.1	0.04	3.90	12.11	9	84	25	96	0.03	0.0	3.139	0.072	0	0	0	6
PL.56980	PL.56978	C	#2 ACSR	7.27Y	121.1	0.00	3.90	8.10	5	56	17	96	0.00	0.0	3.155	0.015	0	0	0	4
PL.56981	PL.56980	C	#2 ACSR	7.27Y	121.1	0.00	3.91	4.38	3	31	9	96	0.00	0.0	3.186	0.031	0	0	0	2
PL.56983	PL.56981	C	1/0 AL URD	7.27Y	121.1	0.00	3.91	1.92	1	13	4	96	0.00	0.0	3.243	0.057	13	4	1	1
PL.56984	PL.56981	C	1/0 AL URD	7.27Y	121.1	0.00	3.91	2.45	1	17	5	96	0.00	0.0	3.221	0.034	17	5	1	1
PL.56982	PL.56980	C	#1/0 ACSR	7.27Y	121.1	0.01	3.91	3.72	2	26	8	96	0.00	0.0	3.218	0.063	0	0	0	2
PL.56985	PL.56982	C	1/0 AL URD	7.27Y	121.1	0.00	3.91	3.72	2	26	8	96	0.00	0.0	3.245	0.027	12	4	1	2
PL.56986	PL.56985	C	1/0 AL URD	7.27Y	121.1	0.00	3.91	2.02	1	14	4	96	0.00	0.0	3.315	0.070	14	4	1	1
PL.56979	PL.56978	C	#4 ACSR	7.27Y	121.1	0.01	3.90	4.02	3	28	9	95	0.00	0.0	3.184	0.045	15	5	1	2
PL.56515	PL.56979	C	#4 ACSR	7.27Y	121.1	0.00	3.91	1.80	1	12	4	95	0.00	0.0	3.240	0.056	12	4	1	1
PL.41828	PL.56914	C	#2 ACSR	7.27Y	121.1	0.00	3.86	1.18	1	8	3	94	0.00	0.0	3.073	0.006	0	0	0	1
PD.6579	PL.41828	C	25QA	7.27Y	121.1	0.00	3.86	1.18	5	8	3	94	0.00	0.0	3.073	0.006	0	0	0	1
PL.56842	PD.6579	C	#2 ACSR	7.27Y	121.1	0.00	3.86	1.18	1	8	3	94	0.00	0.0	3.087	0.014	8	3	1	1
PL.56912	PL.56913	C	#2 ACSR	7.27Y	121.2	0.01	3.83	3.64	2	25	8	95	0.00	0.0	3.102	0.103	0	0	0	4

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

Balanced Voltage Drop Report
Source: Keavy 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.56987	PL.56912	C	#2 ACSR	7.27Y	121.2	0.00	3.83	0.59	0	4	1	97	0.00	0.0	3.148	0.047	4	1	1	1
PL.41452	PL.56912	C	1/0 AL URD	7.27Y	121.2	0.00	3.83	3.05	2	21	6	96	0.00	0.0	3.107	0.006	0	0	0	3
PD.6611	PL.41452	C	75QA	7.27Y	121.2	0.00	3.83	3.05	4	21	6	96	0.00	0.0	3.107	0.006	0	0	0	3
PL.41826	PD.6611	C	1/0 AL URD	7.27Y	121.2	0.00	3.83	3.05	2	21	6	96	0.00	0.0	3.115	0.007	0	0	0	3
PL.41827	PL.41826	C	1/0 AL URD	7.27Y	121.2	0.00	3.83	3.05	2	21	6	96	0.00	0.0	3.130	0.015	21	6	3	3
PL.59311	PL.59312	C	#1/0 ACSR	7.28Y	121.4	0.00	3.63	2.34	1	16	5	95	0.00	0.0	2.859	0.015	0	0	0	1
PL.56411	PL.59311	C	1/0 AL URD	7.28Y	121.4	0.00	3.63	2.34	1	16	5	95	0.00	0.0	2.871	0.012	16	5	1	1
PL.56892	PL.56891	A	6 A (CWC)	7.30Y	121.6	0.01	3.40	19.42	14	135	41	96	0.01	0.0	2.712	0.006	0	0	0	20
PD.6610	PL.56892	A	40QA	7.30Y	121.6	0.00	3.40	19.42	49	135	41	96	0.00	0.0	2.712	0.006	0	0	0	20
PL.62007	PD.6610	A	6 A (CWC)	7.29Y	121.5	0.09	3.49	19.42	14	135	41	96	0.09	0.1	2.819	0.107	8	2	1	20
PL.62008	PL.62007	A	6 A (CWC)	7.29Y	121.5	0.01	3.50	18.25	13	127	39	96	0.01	0.0	2.836	0.017	0	0	0	19
PL.62009	PL.62008	A	6 A (CWC)	7.29Y	121.4	0.06	3.56	18.25	13	127	39	96	0.06	0.0	2.907	0.071	0	0	0	19
PL.62005	PL.62009	A	#4 ACSR	7.29Y	121.4	0.01	3.58	5.21	4	36	11	96	0.00	0.0	2.972	0.065	6	2	1	4
PL.56869	PL.62005	A	#4 ACSR	7.28Y	121.4	0.01	3.59	4.33	3	30	9	96	0.00	0.0	3.046	0.074	23	7	2	3
PL.66149	PL.56869	A	#1/0 ACSR	7.28Y	121.4	0.00	3.59	0.96	0	7	2	96	0.00	0.0	3.110	0.064	0	0	0	1
PL.66150	PL.66149	A	#1/0 ACSR	7.28Y	121.4	0.00	3.59	0.96	0	7	2	96	0.00	0.0	3.158	0.048	7	2	1	1
PL.62006	PL.62009	A	#2 ACSR	7.29Y	121.4	0.00	3.57	3.35	2	23	7	96	0.00	0.0	2.938	0.031	23	7	2	2
PL.62004	PL.62009	A	6 A (CWC)	7.28Y	121.4	0.06	3.62	9.69	7	68	21	96	0.03	0.0	3.047	0.140	12	4	1	13
PL.56861	PL.62004	A	6 A (CWC)	7.28Y	121.4	0.02	3.64	6.58	5	46	14	96	0.01	0.0	3.121	0.074	0	0	0	11
PL.56868	PL.56861	A	#4 ACSR	7.28Y	121.4	0.00	3.64	0.00	0	0	0	100	0.00	0.0	3.199	0.078	0	0	0	0
PL.41763	PL.56861	A	6 A (CWC)	7.28Y	121.3	0.02	3.67	6.58	5	46	14	96	0.01	0.0	3.198	0.077	6	2	1	11
PL.41391	PL.41763	A	#2 ACSR	7.28Y	121.3	0.00	3.67	0.00	0	0	0	100	0.00	0.0	3.254	0.056	0	0	0	0
PL.56863	PL.41763	A	6 A (CWC)	7.28Y	121.3	0.02	3.69	5.70	4	40	12	96	0.01	0.0	3.286	0.088	3	1	1	10
PL.56915	PL.56863	A	#1/0 ACSR	7.28Y	121.3	0.00	3.69	0.97	0	7	2	96	0.00	0.0	3.394	0.108	2	1	1	2
PL.56916	PL.56915	A	#1/0 ACSR	7.28Y	121.3	0.00	3.69	0.64	0	4	1	97	0.00	0.0	3.493	0.099	4	1	1	1
PL.56864	PL.56863	A	6 A (CWC)	7.28Y	121.3	0.01	3.69	4.35	3	30	9	96	0.00	0.0	3.320	0.034	0	0	0	7
PL.56866	PL.56864	A	6 A (CWC)	7.28Y	121.3	0.01	3.70	4.35	3	30	9	96	0.00	0.0	3.369	0.049	3	1	1	7
PL.56867	PL.56866	A	6 A (CWC)	7.28Y	121.3	0.01	3.71	3.90	3	27	8	96	0.00	0.0	3.409	0.040	0	0	0	6
PL.56865	PL.56867	A	6 A (CWC)	7.28Y	121.3	0.01	3.72	3.90	3	27	8	96	0.00	0.0	3.448	0.039	12	4	2	6
PL.56862	PL.56865	A	6 A (CWC)	7.28Y	121.3	0.00	3.72	2.21	2	15	5	95	0.00	0.0	3.463	0.015	5	2	2	4
PL.57111	PL.56862	A	#2 ACSR	7.28Y	121.3	0.00	3.72	1.49	1	10	3	96	0.00	0.0	3.506	0.043	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: Keavy 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.57112	PL.57111	A	#2 ACSR	7.28Y	121.3	0.00	3.72	0.83	0	6	2	95	0.00	0.0	3.556	0.050	6	2	1	1
PL.57113	PL.57111	A	#1/0 ACSR	7.28Y	121.3	0.00	3.72	0.66	0	5	1	98	0.00	0.0	3.537	0.031	5	1	1	1
PL.56860	PL.62004	A	#4 ACSR	7.28Y	121.4	0.00	3.62	1.44	1	10	3	96	0.00	0.0	3.075	0.027	10	3	1	1
PL.62002	PL.62009	A	#4 ACSR	7.29Y	121.4	0.00	3.56	0.00	0	0	0	100	0.00	0.0	2.952	0.045	0	0	0	0
PL.62003	PL.62009	A	#2 ACSR	7.29Y	121.4	0.00	3.56	0.00	0	0	0	100	0.00	0.0	2.958	0.051	0	0	0	0
PL.41344	PL.41346	B	#4 ACSR	7.30Y	121.7	0.00	3.35	0.00	0	0	0	100	0.00	0.0	2.598	0.006	0	0	0	0
PD.6519	PL.41344	B	40QA	7.30Y	121.7	0.00	3.35	0.00	0	0	0	100	0.00	0.0	2.598	0.006	0	0	0	0
PL.41641	PD.6519	B	#4 ACSR	7.30Y	121.7	0.00	3.35	0.00	0	0	0	100	0.00	0.0	2.654	0.056	0	0	0	0
PL.41642	PL.41641	B	#4 ACSR	7.30Y	121.7	0.00	3.35	0.00	0	0	0	100	0.00	0.0	2.687	0.033	0	0	0	0
CP.103	PL.62407	ABC	Cap (300)	7.32Y	122.0	0.00	3.01	0.00	0	0	0	100	0.00	0.0	2.117	0.033	0	0	0	0
PL.62409	PL.62405	C	#1/0 ACSR	7.33Y	122.1	0.00	2.90	0.85	0	6	2	95	0.00	0.0	1.852	0.004	0	0	0	8
PD.8346	PL.62409	C	20QA	7.33Y	122.1	0.00	2.90	0.85	4	6	2	95	0.00	0.0	1.852	0.004	0	0	0	8
PL.57109	PD.8346	C	#1/0 ACSR	7.33Y	122.1	0.00	2.90	0.85	0	6	2	95	0.00	0.0	1.887	0.035	0	0	3	8
PL.57110	PL.57109	C	#1/0 ACSR	7.33Y	122.1	0.00	2.90	0.85	0	6	2	95	0.00	0.0	1.923	0.036	6	2	5	5
PL.57469	PL.57468	B	#2 ACSR	7.39Y	123.1	0.00	1.88	0.00	0	0	0	100	0.00	0.0	1.380	0.028	0	0	0	0
PL.57471	PL.57468	B	#2 ACSR	7.39Y	123.1	0.00	1.88	0.00	0	0	0	100	0.00	0.0	1.358	0.006	0	0	0	0
PD.8367	PL.57471	B	40QA	7.39Y	123.1	0.00	1.88	0.00	0	0	0	100	0.00	0.0	1.358	0.006	0	0	0	0
PL.57475	PD.8367	B	#2 ACSR	7.39Y	123.1	0.00	1.88	0.00	0	0	0	100	0.00	0.0	1.410	0.051	0	0	0	0
PL.57473	PL.57472	B	#2 ACSR	7.41Y	123.5	0.00	1.50	1.24	1	9	3	95	0.00	0.0	1.082	0.006	0	0	0	2
PD.8366	PL.57473	B	40QA	7.41Y	123.5	0.00	1.50	1.24	3	9	3	95	0.00	0.0	1.082	0.006	0	0	0	2
PL.57426	PD.8366	B	#2 ACSR	7.41Y	123.5	0.00	1.50	1.24	1	9	3	95	0.00	0.0	1.159	0.077	9	3	2	2
PL.57425	PL.57436	B	#2 ACSR	7.41Y	123.6	0.00	1.45	0.00	0	0	0	100	0.00	0.0	1.043	0.006	0	0	0	0
PD.8365	PL.57425	B	40QA	7.41Y	123.6	0.00	1.45	0.00	0	0	0	100	0.00	0.0	1.043	0.006	0	0	0	0
PL.57424	PD.8365	B	#2 ACSR	7.41Y	123.6	0.00	1.45	0.00	0	0	0	100	0.00	0.0	1.049	0.006	0	0	0	0
PL.64085	PL.64083	C	#1/0 ACSR	7.42Y	123.6	0.00	1.40	1.85	1	13	4	96	0.00	0.0	1.008	0.003	0	0	0	1
PD.9495	PL.64085	C	25T	7.42Y	123.6	0.00	1.40	1.85	0	13	4	96	0.00	0.0	1.008	0.003	0	0	0	1
PL.64086	PD.9495	C	#1/0 ACSR	7.42Y	123.6	0.00	1.40	1.85	1	13	4	96	0.00	0.0	1.033	0.025	0	0	0	1
PL.65709	PL.64086	C	1/0 AL URD	7.42Y	123.6	0.00	1.41	1.85	1	13	4	96	0.00	0.0	1.093	0.060	0	0	0	1
PL.65710	PL.65709	C	1/0 AL URD	7.42Y	123.6	0.00	1.41	1.86	1	13	4	96	0.00	0.0	1.133	0.040	13	4	1	1
PL.57420	PL.57466	C	#2 ACSR	7.45Y	124.2	0.00	0.82	1.42	1	10	3	96	0.00	0.0	0.589	0.006	0	0	0	1
PD.8364	PL.57420	C	40QA	7.45Y	124.2	0.00	0.82	1.42	4	10	3	96	0.00	0.0	0.589	0.006	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: Keavy 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.57419	PD.8364	C	#2 ACSR	7.45Y	124.2	0.00	0.82	1.42	1	10	3	96	0.00	0.0	0.600	0.011	0	0	0	1
PL.57445	PL.57419	C	#2 ACSR	7.45Y	124.2	0.00	0.83	1.42	1	10	3	96	0.00	0.0	0.663	0.062	0	0	0	1
PL.57439	PL.57445	C	#2 ACSR	7.45Y	124.2	0.00	0.83	1.42	1	10	3	96	0.00	0.0	0.709	0.046	0	0	0	1
PL.57442	PL.57439	C	#2 ACSR	7.45Y	124.2	0.00	0.83	1.42	1	10	3	96	0.00	0.0	0.759	0.050	0	0	0	1
PL.57421	PL.57442	C	#2 ACSR	7.45Y	124.2	0.00	0.83	1.42	1	10	3	96	0.00	0.0	0.795	0.036	10	3	1	1
PL.57461	PL.57437	C	#2 ACSR	7.47Y	124.5	0.00	0.46	0.61	0	4	1	97	0.00	0.0	0.336	0.006	0	0	0	1
PD.8363	PL.57461	C	40QA	7.47Y	124.5	0.00	0.46	0.61	2	4	1	97	0.00	0.0	0.336	0.006	0	0	0	1
PL.57462	PD.8363	C	#2 ACSR	7.47Y	124.5	0.00	0.46	0.61	0	4	1	97	0.00	0.0	0.398	0.062	4	1	1	1
PL.62870	PL.62869	ABC	336 MCM AC	7.50Y	125.0	0.00	0.03	0.00	0	0	0	100	0.00	0.0	0.024	0.001	0	0	0	0
PD.9437-B	PL.62870	ABC	Open	7.50Y	125.0	0.00	0.03	0.00	0	0	0	100	0.00	0.0	0.024	0.001	0	0	0	0
P PL.62867	PL.62869	ABC	336 MCM AC	7.50Y	125.0	0.00	0.03	-0.00	0	0	0	100	0.00	0.0	0.031	0.008	0	0	0	0 P
P PL.59287	PL.62867	ABC	4/0 AL URD	7.50Y	125.0	0.00	0.03	-0.00	0	0	0	100	0.00	0.0	0.037	0.006	0	0	0	0 P
PL.59416	Keavy 1	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	93.28	18	1998	644	95	0.03	0.0	0.004	0.004	0	0	0	243
PL.59417	PL.59416	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	93.28	18	1998	644	95	0.02	0.0	0.006	0.003	0	0	0	243

----- Feeder No. 1 (Rooks Branch F1) Beginning with Device PD.8767 -----

PD.8767	PL.59417	ABC	340VWE	7.50Y	125.0	0.00	0.00	93.28	0	1997	644	95	0.00	0.0	0.006	0.003	0	0	0	243
PL.59418	PD.8767	ABC	336 MCM AC	7.50Y	125.0	0.01	0.01	93.28	18	1997	644	95	0.07	0.0	0.015	0.009	0	0	0	243
PL.59415	PL.59418	ABC	336 MCM AC	7.50Y	125.0	0.01	0.02	93.28	18	1997	644	95	0.10	0.0	0.029	0.013	0	0	0	243
PL.59414	PL.59415	ABC	336 MCM AC	7.49Y	124.9	0.09	0.11	93.28	18	1997	643	95	0.95	0.0	0.158	0.129	0	0	0	243
PL.59412	PL.59414	C	6 A (CWC)	7.49Y	124.9	0.00	0.12	3.43	2	25	8	95	0.00	0.0	0.164	0.006	0	0	0	2
PD.6621	PL.59412	C	75QA	7.49Y	124.9	0.00	0.12	3.43	5	25	8	95	0.00	0.0	0.164	0.006	0	0	0	2
PL.41320	PD.6621	C	6 A (CWC)	7.49Y	124.9	0.00	0.12	3.43	2	25	8	95	0.00	0.0	0.180	0.017	13	4	1	2
PL.57444	PL.41320	C	6 A (CWC)	7.49Y	124.9	0.00	0.12	1.61	1	12	4	95	0.00	0.0	0.236	0.056	12	4	1	1
PL.59413	PL.59414	ABC	336 MCM AC	7.49Y	124.9	0.03	0.15	92.13	18	1972	634	95	0.30	0.0	0.200	0.042	0	0	0	241
PL.56659	PL.59413	ABC	336 MCM AC	7.48Y	124.6	0.23	0.37	91.36	18	1955	628	95	2.24	0.1	0.518	0.318	0	0	0	239
PL.56660	PL.56659	ABC	336 MCM AC	7.47Y	124.5	0.09	0.46	91.17	18	1949	621	95	0.88	0.0	0.644	0.125	0	0	0	238
PL.56969	PL.56660	ABC	336 MCM AC	7.46Y	124.4	0.16	0.62	91.17	18	1948	619	95	1.60	0.1	0.873	0.230	9	3	2	238
PL.56972	PL.56969	ABC	336 MCM AC	7.46Y	124.3	0.11	0.74	87.77	17	1873	593	95	1.09	0.1	1.042	0.169	12	4	1	227
PL.56880	PL.56972	ABC	336 MCM AC	7.45Y	124.2	0.04	0.77	87.19	17	1860	587	95	0.35	0.0	1.096	0.054	0	0	0	226

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: Keavy 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.42656	PL.56880	ABC	336 MCM AC	7.45Y	124.2	0.03	0.80	87.19	17	1859	586	95	0.24	0.0	1.134	0.038	5	2	1	226
PL.58197	PL.42656	A	#4 ACSR	7.45Y	124.2	0.00	0.80	4.20	3	30	9	96	0.00	0.0	1.137	0.003	0	0	0	3
PD.8608	PL.58197	A	25T	7.45Y	124.2	0.00	0.80	4.20	0	30	9	96	0.00	0.0	1.137	0.003	0	0	0	3
PL.58198	PD.8608	A	#4 ACSR	7.45Y	124.2	0.01	0.81	4.20	3	30	9	96	0.00	0.0	1.188	0.051	18	6	2	3
PL.42658	PL.58198	A	#4 ACSR	7.45Y	124.2	0.00	0.81	1.65	1	12	4	95	0.00	0.0	1.239	0.051	12	4	1	1
PL.42659	PL.42656	ABC	336 MCM AC	7.45Y	124.1	0.09	0.88	80.06	15	1707	539	95	0.74	0.0	1.273	0.139	29	9	1	211
PL.42660	PL.42659	ABC	336 MCM AC	7.44Y	124.1	0.06	0.94	78.71	15	1677	529	95	0.48	0.0	1.364	0.092	0	0	0	210
PL.56402	PL.42660	ABC	336 MCM AC	7.44Y	124.0	0.02	0.96	78.71	15	1677	527	95	0.20	0.0	1.402	0.038	0	0	1	210
PL.56403	PL.56402	C	6 A (CWC)	7.44Y	124.0	0.00	0.96	0.25	0	2	1	89	0.00	0.0	1.406	0.004	0	0	0	2
PD.8246	PL.56403	C	40QA	7.44Y	124.0	0.00	0.96	0.25	1	2	1	89	0.00	0.0	1.406	0.004	0	0	0	2
PL.56662	PD.8246	C	6 A (CWC)	7.44Y	124.0	0.00	0.96	0.25	0	2	1	89	0.00	0.0	1.474	0.068	2	1	2	2
PL.63225	PL.56402	ABC	336 MCM AC	7.44Y	124.0	0.01	0.97	78.62	15	1675	526	95	0.09	0.0	1.420	0.018	0	0	0	207
PL.63227	PL.63225	A	#1/0 ACSR	7.44Y	124.0	0.00	0.97	0.02	0	0	0	100	0.00	0.0	1.422	0.002	0	0	0	1
PD.9473	PL.63227	A	10T	7.44Y	124.0	0.00	0.97	0.02	0	0	0	100	0.00	0.0	1.422	0.002	0	0	0	1
PL.63228	PD.9473	A	#1/0 ACSR	7.44Y	124.0	0.00	0.97	0.02	0	0	0	100	0.00	0.0	1.457	0.034	0	0	0	1
PL.63229	PL.63228	A	#1/0 ACSR	7.44Y	124.0	0.00	0.97	0.02	0	0	0	100	0.00	0.0	1.491	0.034	0	0	0	1
PL.63230	PL.63229	A	#1/0 ACSR	7.44Y	124.0	0.00	0.97	0.02	0	0	0	100	0.00	0.0	1.520	0.029	0	0	0	1
PL.63231	PL.63230	A	#1/0 ACSR	7.44Y	124.0	0.00	0.97	0.02	0	0	0	100	0.00	0.0	1.575	0.055	0	0	1	1
PL.63226	PL.63225	ABC	336 MCM AC	7.44Y	124.0	0.01	0.99	78.62	15	1674	526	95	0.10	0.0	1.440	0.019	26	8	2	206
PL.56663	PL.63226	ABC	336 MCM AC	7.44Y	124.0	0.04	1.03	77.40	15	1648	518	95	0.38	0.0	1.515	0.076	20	6	3	204
PL.41044	PL.56663	C	#4 ACSR	7.44Y	124.0	0.00	1.03	6.30	5	45	14	95	0.00	0.0	1.521	0.006	0	0	0	3
PD.6747	PL.41044	C	75QA	7.44Y	124.0	0.00	1.03	6.30	8	45	14	95	0.00	0.0	1.521	0.006	0	0	0	3
PL.41045	PD.6747	C	#4 ACSR	7.44Y	124.0	0.01	1.04	6.30	5	45	14	95	0.00	0.0	1.578	0.057	45	14	3	3
PL.41046	PL.56663	A	#4 ACSR	7.44Y	124.0	0.00	1.03	4.26	3	30	9	96	0.00	0.0	1.521	0.006	0	0	0	3
PD.6707	PL.41046	A	25QA	7.44Y	124.0	0.00	1.03	4.26	17	30	9	96	0.00	0.0	1.521	0.006	0	0	0	3
PL.56887	PD.6707	A	#4 ACSR	7.44Y	124.0	0.01	1.04	4.26	3	30	9	96	0.00	0.0	1.562	0.041	13	4	1	3
PL.56888	PL.56887	A	#4 ACSR	7.44Y	124.0	0.00	1.04	2.41	2	17	5	96	0.00	0.0	1.602	0.040	0	0	0	2
PL.56890	PL.56888	A	#1/0 ACSR	7.44Y	124.0	0.00	1.04	0.04	0	0	0	100	0.00	0.0	1.711	0.109	0	0	1	1
PL.56889	PL.56888	A	#4 ACSR	7.44Y	123.9	0.01	1.05	2.37	2	17	5	96	0.00	0.0	1.751	0.149	17	5	1	1
PL.61170	PL.56663	ABC	336 MCM AC	7.44Y	123.9	0.05	1.08	72.94	14	1553	488	95	0.39	0.0	1.603	0.088	39	12	4	195
PL.61172	PL.61170	ABC	336 MCM AC	7.43Y	123.9	0.05	1.13	67.76	13	1442	453	95	0.39	0.0	1.706	0.102	7	2	1	186

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: Keavy 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.57175	PL.61172	ABC	336 MCM AC	7.43Y	123.8	0.02	1.15	67.43	13	1434	450	95	0.13	0.0	1.741	0.035	38	11	5	185
PL.41578	PL.57175	B	#2 ACSR	7.43Y	123.8	0.00	1.15	1.79	1	13	4	96	0.00	0.0	1.786	0.046	13	4	1	1
PL.42666	PL.57175	C	#4 ACSR	7.43Y	123.8	0.00	1.15	2.07	2	15	5	95	0.00	0.0	1.746	0.006	0	0	0	2
PD.6748	PL.42666	C	25T	7.43Y	123.8	0.00	1.15	2.07	0	15	5	95	0.00	0.0	1.746	0.006	0	0	0	2
PL.56908	PD.6748	C	#4 ACSR	7.43Y	123.8	0.00	1.16	2.07	2	15	5	95	0.00	0.0	1.828	0.082	15	5	2	2
PL.57177	PL.57175	ABC	336 MCM AC	7.43Y	123.8	0.03	1.18	64.37	12	1369	430	95	0.23	0.0	1.806	0.065	11	3	1	177
PL.57178	PL.57177	ABC	336 MCM AC	7.43Y	123.8	0.03	1.22	63.84	12	1358	426	95	0.24	0.0	1.876	0.070	4	1	1	176
PL.42668	PL.57178	ABC	336 MCM AC	7.42Y	123.7	0.03	1.25	60.45	12	1285	403	95	0.21	0.0	1.943	0.068	0	0	0	161
PL.42669	PL.42668	C	#2 ACSR	7.42Y	123.7	0.00	1.25	0.00	0	0	0	100	0.00	0.0	1.949	0.006	0	0	0	0
PD.6708	PL.42669	C	60QA	7.42Y	123.7	0.00	1.25	0.00	0	0	0	100	0.00	0.0	1.949	0.006	0	0	0	0
PL.42670	PD.6708	C	#2 ACSR	7.42Y	123.7	0.00	1.25	0.00	0	0	0	100	0.00	0.0	1.985	0.036	0	0	0	0
PL.56965	PL.42670	C	#2 ACSR	7.42Y	123.7	0.00	1.25	0.00	0	0	0	100	0.00	0.0	2.009	0.024	0	0	0	0
PL.56966	PL.56965	C	#2 ACSR	7.42Y	123.7	0.00	1.25	0.00	0	0	0	100	0.00	0.0	2.024	0.015	0	0	0	0
PL.42671	PL.42668	ABC	336 MCM AC	7.42Y	123.7	0.03	1.28	60.45	12	1285	403	95	0.17	0.0	2.000	0.057	0	0	0	161
PL.42672	PL.42671	ABC	336 MCM AC	7.42Y	123.7	0.02	1.29	60.45	12	1285	402	95	0.11	0.0	2.036	0.036	7	2	2	161
PL.42673	PL.42672	ABC	336 MCM AC	7.42Y	123.7	0.03	1.32	60.12	12	1278	400	95	0.19	0.0	2.098	0.062	0	0	0	159
PL.62938	PL.42673	ABC	336 MCM AC	7.42Y	123.7	0.01	1.34	60.12	12	1277	400	95	0.09	0.0	2.129	0.031	0	0	0	159
PL.62940	PL.62938	ABC	#3/0 ACSR	7.42Y	123.6	0.03	1.37	60.12	20	1277	399	95	0.27	0.0	2.174	0.045	0	0	0	159
PL.56683	PL.62940	ABC	#3/0 ACSR	7.41Y	123.5	0.08	1.45	59.15	20	1256	393	95	0.62	0.0	2.280	0.106	10	3	1	157
PL.55471	PL.56683	ABC	#3/0 ACSR	7.40Y	123.3	0.25	1.70	58.69	20	1246	389	95	1.89	0.2	2.607	0.327	5	2	1	156
PL.55472	PL.55471	ABC	#3/0 ACSR	7.39Y	123.2	0.07	1.77	58.45	19	1239	385	95	0.51	0.0	2.697	0.090	5	2	1	155
PL.55473	PL.55472	C	#4 ACSR	7.39Y	123.2	0.00	1.77	4.30	3	30	9	96	0.00	0.0	2.703	0.006	0	0	0	2
PD.6550	PL.55473	C	60QA	7.39Y	123.2	0.00	1.77	4.30	7	30	9	96	0.00	0.0	2.703	0.006	0	0	0	2
PL.55474	PD.6550	C	#4 ACSR	7.39Y	123.2	0.01	1.78	4.30	3	30	9	96	0.00	0.0	2.767	0.064	30	9	2	2
PL.55746	PL.55472	ABC	#3/0 ACSR	7.39Y	123.1	0.12	1.89	56.76	19	1203	373	96	0.90	0.1	2.862	0.165	0	0	0	152
PL.55748	PL.55746	C	#1/0 ACSR	7.39Y	123.1	0.00	1.89	1.50	1	11	3	96	0.00	0.0	2.869	0.007	0	0	0	1
PD.8224	PL.55748	C	20QA	7.39Y	123.1	0.00	1.89	1.50	8	11	3	96	0.00	0.0	2.869	0.007	0	0	0	1
PL.55749	PD.8224	C	#1/0 ACSR	7.39Y	123.1	0.00	1.89	1.50	1	11	3	96	0.00	0.0	3.029	0.160	11	3	1	1
PL.55747	PL.55746	ABC	#3/0 ACSR	7.38Y	123.0	0.06	1.95	56.26	19	1191	368	96	0.47	0.0	2.951	0.088	0	0	0	151
PL.42118	PL.55747	ABC	#3/0 ACSR	7.38Y	123.0	0.00	1.96	56.26	19	1191	368	96	0.03	0.0	2.956	0.006	0	0	0	151
C PD.6795	PL.42118	ABC	70L	7.38Y	123.0	0.00	1.96	56.26	80	1191	368	96	0.00	0.0	2.956	0.006	0	0	0	151 C

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: Keavy 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.42538	PD.6795	ABC	#3/0 ACSR	7.38Y	123.0	0.03	1.99	56.26	19	1191	368	96	0.20	0.0	2.994	0.038	0	0	0	151
PL.55475	PL.42538	C	#4 ACSR	7.38Y	123.0	0.00	1.99	1.48	1	10	3	96	0.00	0.0	3.093	0.099	10	3	1	1
PL.55479	PL.42538	ABC	#3/0 ACSR	7.38Y	123.0	0.06	2.05	53.74	18	1137	351	96	0.45	0.0	3.088	0.093	21	6	3	147
PL.55481	PL.55479	ABC	#3/0 ACSR	7.37Y	122.9	0.05	2.10	51.26	17	1084	334	96	0.32	0.0	3.160	0.072	0	0	0	142
PL.55438	PL.55481	ABC	#3/0 ACSR	7.37Y	122.9	0.03	2.13	51.26	17	1084	334	96	0.22	0.0	3.211	0.051	6	2	1	142
PL.55439	PL.55438	B	6 A (CWC)	7.37Y	122.9	0.01	2.14	30.66	22	216	66	96	0.01	0.0	3.216	0.006	0	0	0	39
PD.6591	PL.55439	B	50QA	7.37Y	122.9	0.00	2.14	30.66	61	216	66	96	0.00	0.0	3.216	0.006	0	0	0	39
PL.55440	PD.6591	B	6 A (CWC)	7.37Y	122.8	0.08	2.22	30.66	22	216	66	96	0.12	0.1	3.271	0.055	8	3	1	39
PL.59138	PL.55440	B	#1/0 ACSR	7.37Y	122.8	0.00	2.22	2.63	1	19	6	95	0.00	0.0	3.303	0.031	19	6	6	6
PL.55820	PL.55440	B	6 A (CWC)	7.36Y	122.7	0.09	2.31	26.87	19	189	58	96	0.13	0.1	3.349	0.078	17	5	2	32
PL.55821	PL.55820	B	6 A (CWC)	7.36Y	122.7	0.01	2.31	4.11	3	29	9	96	0.00	0.0	3.392	0.043	5	1	1	3
PL.55470	PL.55821	B	6 A (CWC)	7.36Y	122.7	0.00	2.32	3.41	2	24	7	96	0.00	0.0	3.427	0.035	24	7	2	2
PL.55823	PL.55820	B	6 A (CWC)	7.36Y	122.6	0.05	2.35	17.23	12	121	37	96	0.04	0.0	3.409	0.059	0	0	1	24
PL.55912	PL.55823	B	6 A (CWC)	7.36Y	122.6	0.02	2.38	17.16	12	121	37	96	0.02	0.0	3.439	0.030	11	3	1	23
PL.55911	PL.55912	B	6 A (CWC)	7.36Y	122.6	0.02	2.39	15.56	11	109	33	96	0.01	0.0	3.466	0.027	34	10	2	22
PL.55405	PL.55911	B	6 A (CWC)	7.35Y	122.6	0.03	2.42	10.71	8	75	23	96	0.02	0.0	3.527	0.061	9	3	1	20
PL.55797	PL.55405	B	6 A (CWC)	7.35Y	122.6	0.02	2.44	9.45	7	66	20	96	0.01	0.0	3.580	0.053	11	3	2	19
PL.55798	PL.55797	B	6 A (CWC)	7.35Y	122.5	0.01	2.46	7.90	6	56	17	96	0.01	0.0	3.620	0.039	8	2	1	17
PL.55799	PL.55798	B	#4 ACSR	7.35Y	122.5	0.00	2.46	0.00	0	0	0	100	0.00	0.0	3.669	0.049	0	0	0	0
PL.55468	PL.55799	B	#4 ACSR	7.35Y	122.5	0.00	2.46	0.00	0	0	0	100	0.00	0.0	3.701	0.032	0	0	0	0
PL.55800	PL.55798	B	6 A (CWC)	7.35Y	122.5	0.01	2.47	6.80	5	48	15	95	0.01	0.0	3.667	0.047	3	1	2	16
PL.55467	PL.55800	B	6 A (CWC)	7.35Y	122.5	0.00	2.48	5.49	4	39	12	96	0.00	0.0	3.683	0.016	0	0	0	7
PL.42833	PL.55467	B	6 A (CWC)	7.35Y	122.5	0.01	2.48	3.73	3	26	8	96	0.00	0.0	3.721	0.038	7	2	3	6
PL.55801	PL.42833	B	6 A (CWC)	7.35Y	122.5	0.00	2.48	2.68	2	19	6	95	0.00	0.0	3.747	0.026	19	6	3	3
PL.41347	PL.55467	B	#4 ACSR	7.35Y	122.5	0.00	2.48	1.76	1	12	4	95	0.00	0.0	3.694	0.012	12	4	1	1
PL.55466	PL.55800	B	#2 ACSR	7.35Y	122.5	0.00	2.47	0.90	1	6	2	95	0.00	0.0	3.681	0.014	6	2	7	7
PL.55822	PL.55820	B	#4 ACSR	7.36Y	122.7	0.01	2.32	3.15	2	22	7	95	0.00	0.0	3.458	0.108	10	3	1	3
PL.55469	PL.55822	B	#4 ACSR	7.36Y	122.7	0.00	2.32	1.72	1	12	4	95	0.00	0.0	3.540	0.082	12	4	2	2
PL.55442	PL.55438	ABC	#3/0 ACSR	7.37Y	122.9	0.02	2.15	40.76	14	862	266	96	0.08	0.0	3.241	0.030	9	3	2	102
PL.55443	PL.55442	ABC	#3/0 ACSR	7.37Y	122.8	0.04	2.18	40.33	13	852	263	96	0.19	0.0	3.311	0.070	4	1	1	100
PL.41809	PL.55443	A	#2 ACSR	7.37Y	122.8	0.00	2.18	1.17	1	8	3	94	0.00	0.0	3.317	0.006	0	0	0	1

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Balanced Voltage Drop Report
Source: Keavy 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.6749	PL.41809	A	20T	7.37Y	122.8	0.00	2.18	1.17	0	8	3	94	0.00	0.0	3.317	0.006	0	0	0	1
PL.55441	PD.6749	A	#2 ACSR	7.37Y	122.8	0.00	2.18	1.17	1	8	3	94	0.00	0.0	3.336	0.020	8	3	1	1
PL.55401	PL.55443	ABC	#3/0 ACSR	7.37Y	122.8	0.04	2.23	39.74	13	840	258	96	0.23	0.0	3.398	0.087	9	3	2	98
PL.55402	PL.55401	C	6 A (CWC)	7.37Y	122.8	0.00	2.23	17.08	12	120	37	96	0.00	0.0	3.404	0.006	0	0	0	11
PD.6553	PL.55402	C	50QA	7.37Y	122.8	0.00	2.23	17.08	34	120	37	96	0.00	0.0	3.404	0.006	0	0	0	11
PL.55403	PD.6553	C	6 A (CWC)	7.36Y	122.7	0.04	2.27	17.08	12	120	37	96	0.03	0.0	3.455	0.051	13	4	1	11
PL.55404	PL.55403	C	6 A (CWC)	7.36Y	122.7	0.02	2.29	15.19	11	107	33	96	0.01	0.0	3.480	0.025	6	2	2	10
PL.55839	PL.55404	C	6 A (CWC)	7.36Y	122.7	0.03	2.32	14.31	10	101	31	96	0.02	0.0	3.539	0.059	23	7	2	8
PL.55840	PL.55839	C	6 A (CWC)	7.36Y	122.7	0.02	2.34	11.03	8	78	24	96	0.01	0.0	3.585	0.045	50	15	3	6
PL.55639	PL.55840	C	#1/0 ACSR	7.36Y	122.7	0.01	2.34	3.98	2	28	9	95	0.00	0.0	3.660	0.076	3	1	1	3
PL.55641	PL.55639	C	#1/0 ACSR	7.36Y	122.7	0.00	2.34	1.42	1	10	3	96	0.00	0.0	3.685	0.025	10	3	1	1
PL.55642	PL.55641	C	#1/0 ACSR	7.36Y	122.7	0.00	2.34	0.00	0	0	0	100	0.00	0.0	3.721	0.035	0	0	0	0
PL.55640	PL.55639	C	#1/0 ACSR	7.36Y	122.7	0.00	2.35	2.17	1	15	5	95	0.00	0.0	3.699	0.039	15	5	1	1
PL.55806	PL.55401	ABC	#3/0 ACSR	7.36Y	122.7	0.02	2.25	33.64	11	710	219	96	0.10	0.0	3.453	0.055	23	7	2	85
PL.55807	PL.55806	ABC	#3/0 ACSR	7.36Y	122.7	0.05	2.30	32.54	11	687	212	96	0.21	0.0	3.570	0.117	0	0	0	83
PL.42552	PL.55807	A	#2 ACSR	7.36Y	122.7	0.00	2.30	2.91	2	20	6	96	0.00	0.0	3.576	0.006	0	0	0	3
PD.6751	PL.42552	A	50QA	7.36Y	122.7	0.00	2.30	2.91	6	20	6	96	0.00	0.0	3.576	0.006	0	0	0	3
PL.55623	PD.6751	A	#2 ACSR	7.36Y	122.7	0.00	2.30	2.91	2	20	6	96	0.00	0.0	3.597	0.021	0	0	1	3
PL.55624	PL.55623	A	#2 ACSR	7.36Y	122.7	0.00	2.30	2.91	2	20	6	96	0.00	0.0	3.615	0.018	8	2	1	2
PL.55622	PL.55624	A	#2 ACSR	7.36Y	122.7	0.00	2.31	1.81	1	13	4	96	0.00	0.0	3.677	0.062	13	4	1	1
PL.42553	PL.55807	ABC	#3/0 ACSR	7.36Y	122.7	0.05	2.35	30.88	10	652	200	96	0.20	0.0	3.694	0.124	1	0	2	77
PL.42554	PL.42553	A	#4 ACSR	7.36Y	122.7	0.00	2.35	0.66	1	5	1	98	0.00	0.0	3.699	0.006	0	0	0	1
PD.6552	PL.42554	A	50QA	7.36Y	122.7	0.00	2.35	0.66	1	5	1	98	0.00	0.0	3.699	0.006	0	0	0	1
PL.42555	PD.6552	A	#4 ACSR	7.36Y	122.6	0.00	2.35	0.66	1	5	1	98	0.00	0.0	3.759	0.060	5	1	1	1
PL.42702	PL.42553	ABC	#3/0 ACSR	7.36Y	122.6	0.04	2.39	30.62	10	646	198	96	0.14	0.0	3.785	0.091	0	0	0	74
PL.42716	PL.42702	ABC	#3/0 ACSR	7.35Y	122.6	0.03	2.42	30.32	10	640	196	96	0.13	0.0	3.867	0.083	13	4	2	73
PL.42718	PL.42716	A	6 A (CWC)	7.35Y	122.6	0.00	2.42	8.02	6	56	17	96	0.00	0.0	3.873	0.006	0	0	0	8
PD.6668	PL.42718	A	50QA	7.35Y	122.6	0.00	2.42	8.02	16	56	17	96	0.00	0.0	3.873	0.006	0	0	0	8
PL.42719	PD.6668	A	6 A (CWC)	7.35Y	122.6	0.02	2.44	8.02	6	56	17	96	0.01	0.0	3.917	0.044	0	0	0	8
PL.41688	PL.42719	A	6 A (CWC)	7.35Y	122.6	0.00	2.44	1.94	1	14	4	96	0.00	0.0	3.944	0.027	14	4	1	1
PL.42720	PL.42719	A	6 A (CWC)	7.35Y	122.6	0.01	2.45	6.09	4	43	13	96	0.00	0.0	3.955	0.038	0	0	0	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: Keavy 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.42723	PL.42720	A	#4 ACSR	7.35Y	122.5	0.01	2.45	2.26	2	16	5	95	0.00	0.0	4.058	0.103	16	5	1	2
PL.42724	PL.42723	A	#4 ACSR	7.35Y	122.5	0.00	2.45	0.00	0	0	0	100	0.00	0.0	4.087	0.029	0	0	1	1
PL.42721	PL.42720	A	6 A (CWC)	7.35Y	122.5	0.02	2.47	3.82	3	27	8	96	0.00	0.0	4.070	0.115	0	0	0	5
PL.42722	PL.42721	A	6 A (CWC)	7.35Y	122.5	0.01	2.48	3.82	3	27	8	96	0.00	0.0	4.128	0.058	0	0	0	5
PL.55745	PL.42722	A	6 A (CWC)	7.35Y	122.5	0.00	2.48	1.25	1	9	3	95	0.00	0.0	4.245	0.117	9	3	2	2
PL.55724	PL.42722	A	#2 ACSR	7.35Y	122.5	0.00	2.48	2.57	1	18	6	95	0.00	0.0	4.205	0.077	18	6	3	3
PL.57705	PL.42722	A	#4 ACSR	7.35Y	122.5	0.00	2.48	0.00	0	0	0	100	0.00	0.0	4.205	0.077	0	0	0	0
PL.41778	PL.42716	ABC	#3/0 ACSR	7.35Y	122.6	0.02	2.44	27.03	9	570	175	96	0.09	0.0	3.938	0.071	9	3	1	63
PL.55726	PL.41778	ABC	#3/0 ACSR	7.35Y	122.5	0.03	2.47	25.10	8	529	162	96	0.10	0.0	4.030	0.092	6	2	2	58
PL.62234	PL.55726	ABC	#3/0 ACSR	7.35Y	122.5	0.01	2.48	22.28	7	470	144	96	0.03	0.0	4.064	0.034	13	4	1	49
PL.62235	PL.62234	ABC	#3/0 ACSR	7.35Y	122.5	0.03	2.51	21.67	7	457	140	96	0.08	0.0	4.166	0.101	0	0	0	48
PL.55881	PL.62235	ABC	#3/0 ACSR	7.35Y	122.5	0.04	2.55	21.67	7	457	140	96	0.11	0.0	4.301	0.135	0	0	0	48
PL.55884	PL.55881	ABC	#3/0 ACSR	7.35Y	122.4	0.02	2.57	20.17	7	425	130	96	0.05	0.0	4.382	0.081	13	4	3	47
PL.55885	PL.55884	ABC	#3/0 ACSR	7.35Y	122.4	0.01	2.57	19.56	7	412	126	96	0.02	0.0	4.409	0.028	25	8	4	44
PL.55883	PL.55885	ABC	#3/0 ACSR	7.34Y	122.4	0.02	2.59	18.39	6	387	119	96	0.04	0.0	4.484	0.074	33	10	3	40
PL.64552	PL.55883	C	#1/0 ACSR	7.34Y	122.4	0.00	2.59	1.08	0	8	2	97	0.00	0.0	4.488	0.004	0	0	0	2
PD.9549	PL.64552	C	10T	7.34Y	122.4	0.00	2.59	1.08	0	8	2	97	0.00	0.0	4.488	0.004	0	0	0	2
PL.64553	PD.9549	C	#1/0 ACSR	7.34Y	122.4	0.00	2.59	1.08	0	8	2	97	0.00	0.0	4.536	0.048	7	2	1	2
PL.64550	PL.64553	C	#1/0 ACSR	7.34Y	122.4	0.00	2.59	0.08	0	1	0	100	0.00	0.0	4.600	0.064	0	0	0	1
PL.64551	PL.64550	C	#1/0 ACSR	7.34Y	122.4	0.00	2.59	0.08	0	1	0	100	0.00	0.0	4.630	0.030	1	0	1	1
PL.55875	PL.55883	ABC	#3/0 ACSR	7.34Y	122.4	0.02	2.61	15.24	5	321	98	96	0.04	0.0	4.581	0.097	0	0	0	32
PL.55868	PL.55875	ABC	#3/0 ACSR	7.34Y	122.4	0.00	2.61	15.24	5	321	98	96	0.00	0.0	4.592	0.011	16	5	1	32
PL.55874	PL.55868	ABC	#3/0 ACSR	7.34Y	122.4	0.01	2.62	12.58	4	265	81	96	0.02	0.0	4.653	0.060	11	3	1	27
PL.55873	PL.55874	ABC	#3/0 ACSR	7.34Y	122.4	0.01	2.63	11.27	4	237	73	96	0.01	0.0	4.717	0.065	15	5	3	23
PL.55861	PL.55873	ABC	#3/0 ACSR	7.34Y	122.4	0.00	2.64	10.54	4	222	68	96	0.00	0.0	4.746	0.028	34	11	3	20
PL.55860	PL.55861	ABC	#3/0 ACSR	7.34Y	122.4	0.01	2.64	6.12	2	129	39	96	0.00	0.0	4.814	0.069	10	3	1	12
PL.53245	PL.55860	ABC	#3/0 ACSR	7.34Y	122.3	0.01	2.65	5.05	2	106	33	95	0.01	0.0	4.967	0.153	0	0	0	10
PL.41595	PL.53245	ABC	#3/0 ACSR	7.34Y	122.3	0.00	2.65	1.71	1	36	11	96	0.00	0.0	5.098	0.131	0	0	0	3
PL.41439	PL.41595	ABC	#3/0 ACSR	7.34Y	122.3	0.00	2.65	0.00	0	0	0	100	0.00	0.0	5.152	0.054	0	0	0	0
PL.42100	PL.41439	C	6 A (CWC)	7.34Y	122.3	0.00	2.65	0.00	0	0	0	100	0.00	0.0	5.158	0.006	0	0	0	0
PD.6788	PL.42100	C	50QA	7.34Y	122.3	0.00	2.65	0.00	0	0	0	100	0.00	0.0	5.158	0.006	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: Keavy 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.42101	PD.6788	C	6 A (CWC)	7.34Y	122.3	0.00	2.65	0.00	0	0	0	100	0.00	0.0	5.203	0.045	0	0	0	0
PL.42102	PL.41595	ABC	#3/0 ACSR	7.34Y	122.3	0.00	2.66	1.71	1	36	11	96	0.00	0.0	5.180	0.081	0	0	0	3
PL.53238	PL.42102	ABC	#3/0 ACSR	7.34Y	122.3	0.00	2.66	1.37	0	29	9	96	0.00	0.0	5.271	0.091	29	9	2	2
PL.53239	PL.53238	ABC	#3/0 ACSR	7.34Y	122.3	0.00	2.66	0.00	0	0	0	100	0.00	0.0	5.286	0.015	0	0	0	0
PD.6817-B	PL.53239	ABC	Open	7.34Y	122.3	0.00	2.66	0.00	0	0	0	100	0.00	0.0	5.286	0.015	0	0	0	0
PL.42103	PL.42102	B	#4 ACSR	7.34Y	122.3	0.00	2.66	1.00	1	7	2	96	0.00	0.0	5.185	0.006	0	0	0	1
PD.6710	PL.42103	B	50QA	7.34Y	122.3	0.00	2.66	1.00	2	7	2	96	0.00	0.0	5.185	0.006	0	0	0	1
PL.55923	PD.6710	B	#4 ACSR	7.34Y	122.3	0.00	2.66	1.00	1	7	2	96	0.00	0.0	5.235	0.050	7	2	1	1
PL.55924	PL.55923	B	#4 ACSR	7.34Y	122.3	0.00	2.66	0.00	0	0	0	100	0.00	0.0	5.263	0.028	0	0	0	0
PL.53249	PL.53245	ABC	6 A (CWC)	7.34Y	122.3	0.02	2.67	3.34	2	70	22	95	0.01	0.0	5.089	0.122	7	2	1	7
PL.53250	PL.53249	ABC	6 A (CWC)	7.34Y	122.3	0.01	2.67	2.48	2	52	16	96	0.00	0.0	5.142	0.053	1	0	1	5
PL.55918	PL.53250	ABC	6 A (CWC)	7.34Y	122.3	0.02	2.69	2.44	2	51	16	95	0.01	0.0	5.340	0.198	0	0	0	4
PL.55919	PL.55918	A	#4 ACSR	7.34Y	122.3	0.00	2.69	0.00	0	0	0	100	0.00	0.0	5.346	0.006	0	0	0	0
PD.6654	PL.55919	A	50QA	7.34Y	122.3	0.00	2.69	0.00	0	0	0	100	0.00	0.0	5.346	0.006	0	0	0	0
PL.41676	PD.6654	A	#4 ACSR	7.34Y	122.3	0.00	2.69	0.00	0	0	0	100	0.00	0.0	5.508	0.163	0	0	0	0
PL.55920	PL.55918	ABC	6 A (CWC)	7.34Y	122.3	0.03	2.72	2.44	2	51	16	95	0.01	0.0	5.635	0.295	0	0	0	4
PL.64540	PL.55920	ABC	6 A (CWC)	7.34Y	122.3	0.01	2.73	2.44	2	51	16	95	0.00	0.0	5.730	0.095	0	0	0	4
PL.64541	PL.64540	ABC	6 A (CWC)	7.34Y	122.3	0.00	2.73	0.59	0	12	4	95	0.00	0.0	5.736	0.006	0	0	0	1
PD.6593	PL.64541	ABC	20QA	7.34Y	122.3	0.00	2.73	0.59	3	12	4	95	0.00	0.0	5.736	0.006	0	0	0	1
PL.42099	PD.6593	ABC	6 A (CWC)	7.34Y	122.3	0.00	2.73	0.59	0	12	4	95	0.00	0.0	5.804	0.068	0	0	0	1
PL.41438	PL.42099	ABC	350 MCM AL	7.34Y	122.3	0.00	2.73	0.59	0	12	4	95	0.00	0.0	5.939	0.135	12	6	1	1
PL.64542	PL.64540	A	#4 ACSR	7.34Y	122.3	0.01	2.74	5.57	4	39	12	96	0.00	0.0	5.779	0.048	19	6	1	3
PL.52944	PL.64542	A	#4 ACSR	7.34Y	122.3	0.00	2.74	2.85	2	20	6	96	0.00	0.0	5.807	0.029	0	0	0	2
PL.52907	PL.52944	A	#2 ACSR	7.34Y	122.3	0.00	2.74	0.00	0	0	0	100	0.00	0.0	5.847	0.040	0	0	0	0
PL.52905	PL.52944	A	#4 ACSR	7.34Y	122.3	0.00	2.74	2.85	2	20	6	96	0.00	0.0	5.856	0.049	15	5	1	2
PL.52906	PL.52905	A	#4 ACSR	7.34Y	122.3	0.00	2.75	0.75	1	5	2	93	0.00	0.0	5.935	0.079	5	2	1	1
PL.64543	PL.55920	C	#1/0 ACSR	7.34Y	122.3	0.00	2.72	0.00	0	0	0	100	0.00	0.0	5.637	0.002	0	0	0	0
PD.9548	PL.64543	C	30T	7.34Y	122.3	0.00	2.72	0.00	0	0	0	100	0.00	0.0	5.637	0.002	0	0	0	0
PL.64544	PD.9548	C	#1/0 ACSR	7.34Y	122.3	0.00	2.72	0.00	0	0	0	100	0.00	0.0	5.694	0.057	0	0	0	0
PL.55917	PL.55920	C	6 A (CWC)	7.34Y	122.3	0.00	2.72	0.00	0	0	0	100	0.00	0.0	5.721	0.086	0	0	0	0
PL.53251	PL.53249	A	#1/0 ACSR	7.34Y	122.3	0.00	2.67	1.64	1	12	4	95	0.00	0.0	5.092	0.003	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: Keavy 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.8091	PL.53251	A	20QA	7.34Y	122.3	0.00	2.67	1.64	8	12	4	95	0.00	0.0	5.092	0.003	0	0	0	1
PL.53252	PD.8091	A	#1/0 ACSR	7.34Y	122.3	0.00	2.67	1.64	1	12	4	95	0.00	0.0	5.200	0.107	12	4	1	1
PL.53246	PL.55860	C	#2 ACSR	7.34Y	122.4	0.00	2.64	1.78	1	12	4	95	0.00	0.0	4.843	0.029	12	4	1	1
PL.61175	PL.55861	C	#1/0 ACSR	7.34Y	122.4	0.01	2.64	4.42	2	31	9	96	0.00	0.0	4.852	0.106	16	5	1	2
PL.61176	PL.61175	C	#1/0 ACSR	7.34Y	122.4	0.00	2.64	2.14	1	15	5	95	0.00	0.0	4.912	0.060	15	5	1	1
PL.55859	PL.55861	A	#2 ACSR	7.34Y	122.4	0.00	2.64	3.93	2	28	8	96	0.00	0.0	4.751	0.006	0	0	0	3
PD.6469	PL.55859	A	50QA	7.34Y	122.4	0.00	2.64	3.93	8	28	8	96	0.00	0.0	4.751	0.006	0	0	0	3
PL.53247	PD.6469	A	#2 ACSR	7.34Y	122.4	0.00	2.64	3.93	2	28	8	96	0.00	0.0	4.781	0.029	28	8	3	3
PL.53248	PL.53247	A	#2 ACSR	7.34Y	122.4	0.00	2.64	0.00	0	0	0	100	0.00	0.0	4.869	0.089	0	0	0	0
PL.55872	PL.55874	A	#4 ACSR	7.34Y	122.4	0.00	2.62	2.35	2	16	5	95	0.00	0.0	4.658	0.006	0	0	0	3
PD.6556	PL.55872	A	50QA	7.34Y	122.4	0.00	2.62	2.35	5	16	5	95	0.00	0.0	4.658	0.006	0	0	0	3
PL.55867	PD.6556	A	#4 ACSR	7.34Y	122.4	0.00	2.63	2.35	2	16	5	95	0.00	0.0	4.718	0.060	16	5	3	3
PL.55869	PL.55868	A	#1/0 ACSR	7.34Y	122.4	0.00	2.61	5.74	2	40	12	96	0.00	0.0	4.596	0.004	0	0	0	4
PD.8286	PL.55869	A	10QA	7.34Y	122.4	0.00	2.61	5.74	0	40	12	96	0.00	0.0	4.596	0.004	0	0	0	4
PL.55870	PD.8286	A	#1/0 ACSR	7.34Y	122.4	0.00	2.62	5.74	2	40	12	96	0.00	0.0	4.609	0.013	11	3	1	4
PL.55871	PL.55870	A	#1/0 ACSR	7.34Y	122.4	0.00	2.62	4.21	2	30	9	96	0.00	0.0	4.635	0.026	30	9	3	3
PL.55876	PL.55883	C	#4 ACSR	7.34Y	122.4	0.00	2.59	3.73	3	26	8	96	0.00	0.0	4.490	0.006	0	0	0	3
PD.6555	PL.55876	C	50QA	7.34Y	122.4	0.00	2.59	3.73	7	26	8	96	0.00	0.0	4.490	0.006	0	0	0	3
PL.55878	PD.6555	C	#1/0 ACSR	7.34Y	122.4	0.00	2.59	3.73	2	26	8	96	0.00	0.0	4.512	0.023	26	8	2	2
PL.55862	PD.6555	C	#4 ACSR	7.34Y	122.4	0.00	2.59	0.00	0	0	0	100	0.00	0.0	4.506	0.017	0	0	1	1
PL.55882	PL.55881	C	#4 ACSR	7.35Y	122.5	0.00	2.55	4.52	3	32	10	95	0.00	0.0	4.307	0.006	0	0	0	1
PD.6592	PL.55882	C	50QA	7.35Y	122.5	0.00	2.55	4.52	9	32	10	95	0.00	0.0	4.307	0.006	0	0	0	1
PL.55877	PD.6592	C	#4 ACSR	7.35Y	122.4	0.00	2.55	4.52	3	32	10	95	0.00	0.0	4.346	0.039	32	10	1	1
PL.41871	PL.62235	B	6 A (CWC)	7.35Y	122.5	0.00	2.51	0.00	0	0	0	100	0.00	0.0	4.171	0.006	0	0	0	0
PL.55727	PL.55726	C	6 A (CWC)	7.35Y	122.5	0.00	2.47	2.34	2	16	5	95	0.00	0.0	4.071	0.041	8	2	1	2
PL.42726	PL.55727	C	6 A (CWC)	7.35Y	122.5	0.00	2.48	1.18	1	8	3	94	0.00	0.0	4.154	0.082	8	3	1	1
PL.55728	PL.55726	A	6 A (CWC)	7.35Y	122.5	0.01	2.48	5.22	4	37	11	96	0.00	0.0	4.058	0.028	1	0	1	5
PL.55729	PL.55728	A	6 A (CWC)	7.35Y	122.5	0.00	2.48	5.04	4	35	11	95	0.00	0.0	4.082	0.024	16	5	1	4
PL.55725	PL.55729	A	#2 ACSR	7.35Y	122.5	0.00	2.48	2.72	2	19	6	95	0.00	0.0	4.094	0.012	8	2	2	3
PL.55731	PL.55725	A	#2 ACSR	7.35Y	122.5	0.00	2.48	1.61	1	11	3	96	0.00	0.0	4.111	0.018	11	3	1	1
PL.55730	PL.55729	A	6 A (CWC)	7.35Y	122.5	0.00	2.48	0.00	0	0	0	100	0.00	0.0	4.149	0.067	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: Keavy 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.42725	PL.41778	C	#4 ACSR	7.35Y	122.6	0.00	2.44	4.49	3	32	10	95	0.00	0.0	3.944	0.006	0	0	0	4
PD.6752	PL.42725	C	50QA	7.35Y	122.6	0.00	2.44	4.49	9	32	10	95	0.00	0.0	3.944	0.006	0	0	0	4
PL.55723	PD.6752	C	#4 ACSR	7.35Y	122.5	0.04	2.48	4.49	3	32	10	95	0.01	0.0	4.146	0.203	3	1	2	4
PL.55722	PL.55723	C	#4 ACSR	7.35Y	122.5	0.01	2.49	4.12	3	29	9	96	0.00	0.0	4.181	0.034	0	0	0	2
PL.55721	PL.55722	C	#4 ACSR	7.35Y	122.5	0.00	2.49	4.12	3	29	9	96	0.00	0.0	4.232	0.051	29	9	1	1
PL.55720	PL.55722	C	#1/0 ACSR	7.35Y	122.5	0.00	2.49	0.00	0	0	0	100	0.00	0.0	4.203	0.023	0	0	1	1
PL.42717	PL.42702	C	#1/0 ACSR	7.36Y	122.6	0.00	2.39	0.88	0	6	2	95	0.00	0.0	3.790	0.006	0	0	0	1
PD.6554	PL.42717	C	50QA	7.36Y	122.6	0.00	2.39	0.88	2	6	2	95	0.00	0.0	3.790	0.006	0	0	0	1
PL.55621	PD.6554	C	#1/0 ACSR	7.36Y	122.6	0.00	2.39	0.88	0	6	2	95	0.00	0.0	3.886	0.096	6	2	1	1
PL.42551	PL.55807	C	#1/0 ACSR	7.36Y	122.7	0.00	2.30	2.08	1	15	4	97	0.00	0.0	3.576	0.006	0	0	0	3
PD.6750	PL.42551	C	10QA	7.36Y	122.7	0.00	2.30	2.08	0	15	4	97	0.00	0.0	3.576	0.006	0	0	0	3
PL.55638	PD.6750	C	#1/0 ACSR	7.36Y	122.7	0.00	2.30	2.08	1	15	4	97	0.00	0.0	3.651	0.075	15	4	3	3
PL.55480	PL.55479	C	#4 ACSR	7.38Y	122.9	0.00	2.05	4.44	3	31	10	95	0.00	0.0	3.093	0.006	0	0	0	2
PD.6551	PL.55480	C	50QA	7.38Y	122.9	0.00	2.05	4.44	9	31	10	95	0.00	0.0	3.093	0.006	0	0	0	2
PL.55482	PD.6551	C	#4 ACSR	7.38Y	122.9	0.00	2.05	4.44	3	31	10	95	0.00	0.0	3.105	0.012	20	6	1	2
PL.55483	PL.55482	C	#4 ACSR	7.38Y	122.9	0.00	2.05	1.64	1	12	4	95	0.00	0.0	3.144	0.039	12	4	1	1
PL.42539	PL.42538	A	#1/0 ACSR	7.38Y	123.0	0.00	1.99	4.17	2	29	9	96	0.00	0.0	3.000	0.006	0	0	0	2
PD.6709	PL.42539	A	60QA	7.38Y	123.0	0.00	1.99	4.17	7	29	9	96	0.00	0.0	3.000	0.006	0	0	0	2
PL.42540	PD.6709	A	#1/0 ACSR	7.38Y	123.0	0.00	1.99	4.17	2	29	9	96	0.00	0.0	3.014	0.014	0	0	0	2
PL.55478	PL.42540	A	#1/0 ACSR	7.38Y	123.0	0.00	1.99	2.01	1	14	4	96	0.00	0.0	3.062	0.048	14	4	1	1
PL.55477	PL.42540	A	#1/0 ACSR	7.38Y	123.0	0.00	1.99	2.16	1	15	5	95	0.00	0.0	3.052	0.038	15	5	1	1
PL.42541	PL.42538	C	#4 ACSR	7.38Y	123.0	0.00	1.99	1.92	1	14	4	96	0.00	0.0	3.000	0.006	0	0	0	1
PD.6515	PL.42541	C	50QA	7.38Y	123.0	0.00	1.99	1.92	4	14	4	96	0.00	0.0	3.000	0.006	0	0	0	1
PL.55476	PD.6515	C	#4 ACSR	7.38Y	123.0	0.00	1.99	1.92	1	14	4	96	0.00	0.0	3.059	0.059	14	4	1	1
PL.56684	PL.62940	C	#1/0 ACSR	7.42Y	123.6	0.00	1.37	2.92	1	21	6	96	0.00	0.0	2.179	0.006	0	0	0	2
PD.8247	PL.56684	C	15QA	7.42Y	123.6	0.00	1.37	2.92	0	21	6	96	0.00	0.0	2.179	0.006	0	0	0	2
PL.59337	PD.8247	C	#1/0 ACSR	7.42Y	123.6	0.00	1.37	2.92	1	21	6	96	0.00	0.0	2.252	0.073	21	6	2	2
PL.62941	PL.62938	ABC	336 MCM AC	7.42Y	123.7	0.00	1.34	0.00	0	0	0	100	0.00	0.0	2.347	0.217	0	0	0	0
PL.62942	PL.62941	ABC	336 MCM AC	7.42Y	123.7	0.00	1.34	0.00	0	0	0	100	0.00	0.0	2.426	0.079	0	0	0	0
PD.9453-B	PL.62942	ABC	Open	7.42Y	123.7	0.00	1.34	0.00	0	0	0	100	0.00	0.0	2.426	0.079	0	0	0	0
PL.42667	PL.57178	C	6 A (CWC)	7.43Y	123.8	0.00	1.22	9.67	7	69	21	96	0.00	0.0	1.882	0.006	0	0	0	14

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

Balanced Voltage Drop Report
Source: Keavy 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.6549	PL.42667	C	75QA	7.43Y	123.8	0.00	1.22	9.67	13	69	21	96	0.00	0.0	1.882	0.006	0	0	0	14
PL.61167	PD.6549	C	6 A (CWC)	7.42Y	123.7	0.03	1.25	9.67	7	69	21	96	0.02	0.0	1.963	0.082	14	4	4	14
PL.61168	PL.61167	C	6 A (CWC)	7.42Y	123.7	0.01	1.26	7.71	6	55	17	96	0.00	0.0	1.994	0.030	11	3	4	10
PL.57176	PL.61168	C	#1/0 ACSR	7.42Y	123.7	0.00	1.26	0.00	0	0	0	100	0.00	0.0	2.031	0.038	0	0	0	0
PL.63001	PL.61168	C	#1/0 ACSR	7.42Y	123.7	0.00	1.27	2.76	1	20	6	96	0.00	0.0	2.045	0.052	0	0	0	4
PL.63460	PL.63001	C	#1/0 ACSR	7.42Y	123.7	0.00	1.27	2.76	1	20	6	96	0.00	0.0	2.061	0.016	20	6	4	4
PL.41441	PL.61168	C	#2 ACSR	7.42Y	123.7	0.00	1.27	3.34	2	24	7	96	0.00	0.0	2.039	0.046	7	2	1	2
PL.63536	PL.41441	C	#2 ACSR	7.42Y	123.7	0.00	1.27	0.00	0	0	0	100	0.00	0.0	2.098	0.058	0	0	0	0
PL.62227	PL.41441	C	#1/0 ACSR	7.42Y	123.7	0.00	1.27	2.34	1	17	5	96	0.00	0.0	2.106	0.067	0	0	0	1
PL.62228	PL.62227	C	#1/0 ACSR	7.42Y	123.7	0.00	1.27	2.34	1	17	5	96	0.00	0.0	2.118	0.012	0	0	0	1
PD.9308	PL.62228	C	10T	7.42Y	123.7	0.00	1.27	2.34	0	17	5	96	0.00	0.0	2.118	0.012	0	0	0	1
PL.62229	PD.9308	C	#1/0 ACSR	7.42Y	123.7	0.00	1.28	2.34	1	17	5	96	0.00	0.0	2.249	0.131	17	5	1	1
PL.61171	PL.61170	A	#4 ACSR	7.44Y	123.9	0.00	1.08	10.08	8	72	22	96	0.00	0.0	1.609	0.006	0	0	0	5
PD.6667	PL.61171	A	75QA	7.44Y	123.9	0.00	1.08	10.08	13	72	22	96	0.00	0.0	1.609	0.006	0	0	0	5
PL.57324	PD.6667	A	#4 ACSR	7.43Y	123.9	0.02	1.10	10.08	8	72	22	96	0.01	0.0	1.651	0.042	19	6	2	5
PL.57327	PL.57324	A	#4 ACSR	7.43Y	123.9	0.01	1.11	4.54	3	32	10	95	0.00	0.0	1.686	0.035	14	4	1	2
PL.57328	PL.57327	A	#4 ACSR	7.43Y	123.9	0.00	1.11	2.62	2	19	6	95	0.00	0.0	1.695	0.009	19	6	1	1
PL.57325	PL.57324	A	#1/0 ACSR	7.43Y	123.9	0.00	1.10	2.86	1	20	6	96	0.00	0.0	1.712	0.060	20	6	1	1
PL.42657	PL.42656	A	6 A (CWC)	7.45Y	124.2	0.00	0.80	16.43	12	117	36	96	0.00	0.0	1.140	0.006	0	0	0	11
PD.6548	PL.42657	A	75QA	7.45Y	124.2	0.00	0.80	16.43	22	117	36	96	0.00	0.0	1.140	0.006	0	0	0	11
PL.42661	PD.6548	A	6 A (CWC)	7.45Y	124.1	0.06	0.87	16.43	12	117	36	96	0.05	0.0	1.222	0.082	0	0	0	11
PL.56832	PL.42661	A	#4 ACSR	7.44Y	124.1	0.05	0.92	13.17	10	94	29	96	0.03	0.0	1.315	0.093	13	4	1	8
PL.56833	PL.56832	A	#4 ACSR	7.44Y	124.1	0.01	0.93	11.35	9	81	25	96	0.01	0.0	1.343	0.029	37	11	3	7
PL.56830	PL.56833	A	#4 ACSR	7.44Y	124.1	0.01	0.94	6.11	5	44	13	96	0.00	0.0	1.402	0.059	34	10	3	4
PL.56831	PL.56830	A	#4 ACSR	7.44Y	124.1	0.00	0.94	1.33	1	10	3	96	0.00	0.0	1.497	0.094	10	3	1	1
PL.42662	PL.42661	A	6 A (CWC)	7.45Y	124.1	0.02	0.89	3.26	2	23	7	96	0.00	0.0	1.395	0.173	7	2	1	3
PL.42663	PL.42662	A	6 A (CWC)	7.45Y	124.1	0.01	0.90	2.22	2	16	5	95	0.00	0.0	1.510	0.115	0	0	0	2
PL.42664	PL.42663	A	6 A (CWC)	7.45Y	124.1	0.01	0.91	2.22	2	16	5	95	0.00	0.0	1.567	0.057	1	0	1	2
PL.42665	PL.42664	A	6 A (CWC)	7.45Y	124.1	0.00	0.91	2.02	1	14	4	96	0.00	0.0	1.618	0.051	14	4	1	1
PL.56971	PL.56969	C	#2 ACSR	7.46Y	124.4	0.00	0.62	5.16	3	37	11	96	0.00	0.0	0.879	0.006	0	0	0	3
PD.6516	PL.56971	C	40QA	7.46Y	124.4	0.00	0.62	5.16	13	37	11	96	0.00	0.0	0.879	0.006	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: Keavy 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.56973	PD.6516	C	#2 ACSR	7.46Y	124.4	0.01	0.63	5.16	3	37	11	96	0.00	0.0	0.920	0.041	6	2	1	3
PL.56974	PL.56973	C	#2 ACSR	7.46Y	124.4	0.01	0.64	4.26	2	30	9	96	0.00	0.0	0.992	0.072	0	0	0	2
PL.42655	PL.56974	C	#2 ACSR	7.46Y	124.4	0.00	0.64	2.24	1	16	5	95	0.00	0.0	1.064	0.072	16	5	1	1
PL.41446	PL.56974	C	#2 ACSR	7.46Y	124.4	0.00	0.64	2.02	1	14	4	96	0.00	0.0	1.081	0.089	14	4	1	1
PL.56970	PL.56969	C	#4 ACSR	7.46Y	124.4	0.00	0.62	3.76	3	27	8	96	0.00	0.0	0.879	0.006	0	0	0	6
PD.6713	PL.56970	C	75QA	7.46Y	124.4	0.00	0.62	3.76	5	27	8	96	0.00	0.0	0.879	0.006	0	0	0	6
PL.42652	PD.6713	C	#4 ACSR	7.46Y	124.4	0.01	0.64	3.76	3	27	8	96	0.00	0.0	0.979	0.101	7	2	3	6
PL.42653	PL.42652	C	#4 ACSR	7.46Y	124.4	0.01	0.65	2.81	2	20	6	96	0.00	0.0	1.068	0.089	13	4	2	3
PL.42654	PL.42653	C	#4 ACSR	7.46Y	124.4	0.00	0.65	1.05	1	8	2	97	0.00	0.0	1.100	0.032	8	2	1	1
PL.56657	PL.56659	A	6 A (CWC)	7.48Y	124.6	0.00	0.37	0.55	0	4	1	97	0.00	0.0	0.597	0.079	4	1	1	1
PL.56658	PL.59413	C	6 A (CWC)	7.49Y	124.9	0.00	0.15	2.33	2	17	5	96	0.00	0.0	0.206	0.006	0	0	0	2
PD.6449	PL.56658	C	75QA	7.49Y	124.9	0.00	0.15	2.33	3	17	5	96	0.00	0.0	0.206	0.006	0	0	0	2
PL.42650	PD.6449	C	6 A (CWC)	7.49Y	124.9	0.00	0.15	2.33	2	17	5	96	0.00	0.0	0.260	0.054	17	5	2	2
PL.62864	PL.59418	ABC	336 MCM AC	7.50Y	125.0	0.00	0.01	0.00	0	0	0	100	0.00	0.0	0.026	0.010	0	0	0	0
PD.9437-A	PL.62864	ABC	Open	7.50Y	125.0	0.00	0.01	0.00	0	0	0	100	0.00	0.0	0.026	0.010	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

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total		
KW	5713	0	0	0	0	0	108	0.00	5821	Lowest Voltage = 120.16 on Element PL.41680	
KVAR	1748	0	0	-5	0	0	175		1918	Max Accm VoltD = 4.84 on Element PL.41680	
										Max Elem VoltD = 0.46 on Element PL.62405	