

Balanced Voltage Drop Report
Source: Maretburg

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
Maretburg		ABC	SRC-Maretb	7.50Y	125.0	0.00	0.00	473.71	0	10122	3340	95	0.00	0.0	0.000	0.000	0	0	0	814
PL.53004	Maretburg	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	171.59	33	3735	976	97	0.05	0.0	0.002	0.002	0	0	0	390
PL.53007	PL.53004	ABC	336 MCM AC	7.50Y	125.0	0.00	0.01	171.59	33	3735	976	97	0.05	0.0	0.004	0.002	0	0	0	390
----- Feeder No. 1 (Maretburg F1) Beginning with Device PD.8063 -----																				
PD.8063	PL.53007	ABC	480VWE	7.50Y	125.0	0.00	0.01	171.59	0	3735	976	97	0.00	0.0	0.004	0.002	0	0	0	390
PL.57266	PD.8063	ABC	336 MCM AC	7.50Y	125.0	0.01	0.02	171.59	33	3735	976	97	0.26	0.0	0.015	0.011	0	0	0	390
C PL.57268	PL.57266	ABC	#2 ACSR	7.47Y	124.5	0.49	0.50	165.03	94	3598	915	97	13.09	0.4	0.132	0.117	0	0	0	383 C
PL.57263	PL.57268	ABC	#1/0 ACSR	7.47Y	124.5	0.00	0.51	5.44	2	110	52	90	0.00	0.0	0.137	0.006	0	0	0	3
PL.50063	PL.57263	B	#4 ACSR	7.47Y	124.5	0.00	0.51	0.40	0	3	1	95	0.00	0.0	0.184	0.047	3	1	1	1
PL.52627	PL.57263	ABC	#1/0 ACSR	7.47Y	124.5	0.00	0.51	5.31	2	107	52	90	0.00	0.0	0.178	0.040	0	0	0	2
PL.52626	PL.52627	ABC	#1/0 ACSR	7.47Y	124.5	0.00	0.51	1.78	1	36	17	90	0.00	0.0	0.235	0.057	36	17	1	1
PL.60781	PL.52627	ABC	#1/0 ACSR	7.47Y	124.5	0.01	0.51	3.53	2	71	34	90	0.00	0.0	0.251	0.073	0	0	0	1
PL.60779	PL.60781	ABC	336 MCM AC	7.47Y	124.5	0.00	0.51	0.00	0	0	0	100	0.00	0.0	0.286	0.035	0	0	0	0
PL.60780	PL.60781	ABC	#2 ACSR	7.47Y	124.5	0.00	0.52	3.53	2	71	34	90	0.00	0.0	0.274	0.023	0	0	0	1
PL.50058	PL.60780	ABC	1/0 AL URD	7.47Y	124.5	0.00	0.52	3.53	2	71	34	90	0.00	0.0	0.308	0.034	71	35	1	1
PL.57264	PL.57268	ABC	336 MCM AC	7.46Y	124.3	0.18	0.69	159.69	31	3475	856	97	3.39	0.1	0.290	0.158	0	0	0	380
PL.52633	PL.57264	B	#4 ACSR	7.46Y	124.3	0.00	0.69	0.27	0	2	0	100	0.00	0.0	0.313	0.023	2	0	1	1
PL.52630	PL.57264	ABC	336 MCM AC	7.46Y	124.3	0.06	0.75	159.60	31	3469	847	97	1.16	0.0	0.344	0.054	0	0	0	379
PL.52632	PL.52630	ABC	336 MCM AC	7.46Y	124.3	0.00	0.75	0.00	0	0	0	100	0.00	0.0	0.376	0.032	0	0	0	0
PL.52631	PL.52630	ABC	336 MCM AC	7.45Y	124.2	0.05	0.80	159.60	31	3468	844	97	1.02	0.0	0.392	0.048	0	0	0	379
PL.50052	PL.52631	ABC	336 MCM AC	7.45Y	124.2	0.03	0.83	159.60	31	3467	842	97	0.51	0.0	0.416	0.024	0	0	0	379
PL.50053	PL.50052	ABC	336 MCM AC	7.45Y	124.2	0.01	0.83	108.35	21	2354	568	97	0.06	0.0	0.422	0.006	2	1	1	252
PL.49539	PL.50053	ABC	336 MCM AC	7.44Y	124.1	0.09	0.93	108.25	21	2352	567	97	1.20	0.1	0.544	0.122	15	3	2	251
PL.49541	PL.49539	ABC	336 MCM AC	7.44Y	124.0	0.05	0.97	107.23	21	2329	559	97	0.61	0.0	0.607	0.063	6	1	1	248
PL.49542	PL.49541	ABC	336 MCM AC	7.44Y	123.9	0.08	1.05	106.74	21	2318	554	97	0.97	0.0	0.708	0.101	0	0	0	246
PL.50002	PL.49542	ABC	336 MCM AC	7.44Y	123.9	0.03	1.08	92.95	18	2017	482	97	0.34	0.0	0.755	0.048	26	6	1	219
PL.50003	PL.50002	C	6 A (CWC)	7.44Y	123.9	0.00	1.08	0.01	0	0	0	100	0.00	0.0	0.756	0.001	0	0	0	1
PD.7693	PL.50003	C	40QA	7.44Y	123.9	0.00	1.08	0.01	0	0	0	100	0.00	0.0	0.756	0.001	0	0	0	1
PL.50005	PD.7693	C	6 A (CWC)	7.44Y	123.9	0.00	1.08	0.01	0	0	0	100	0.00	0.0	0.878	0.122	0	0	1	1
PL.50006	PL.50005	C	6 A (CWC)	7.44Y	123.9	0.00	1.08	0.00	0	0	0	100	0.00	0.0	0.911	0.033	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

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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.50007	PL.50006	C	6 A (CWC)	7.44Y	123.9	0.00	1.08	0.00	0	0	0	100	0.00	0.0	0.964	0.053	0	0	0	0
PL.50004	PL.50002	ABC	336 MCM AC	7.43Y	123.9	0.04	1.12	91.74	18	1990	475	97	0.44	0.0	0.817	0.062	0	0	0	217
PL.50103	PL.50004	ABC	336 MCM AC	7.43Y	123.8	0.05	1.17	90.83	18	1970	469	97	0.52	0.0	0.891	0.074	0	0	0	215
PL.52508	PL.50103	ABC	336 MCM AC	7.43Y	123.8	0.00	1.17	89.24	17	1936	458	97	0.01	0.0	0.893	0.002	0	0	0	212
PL.52509	PL.52508	ABC	336 MCM AC	7.43Y	123.8	0.04	1.21	89.24	17	1936	458	97	0.46	0.0	0.962	0.069	5	1	1	212
PL.49311	PL.52509	ABC	336 MCM AC	7.43Y	123.8	0.02	1.24	89.03	17	1931	456	97	0.22	0.0	0.996	0.033	76	18	4	211
PL.49312	PL.49311	ABC	336 MCM AC	7.42Y	123.7	0.04	1.28	85.54	16	1855	438	97	0.42	0.0	1.064	0.068	19	4	1	207
PL.49313	PL.49312	ABC	336 MCM AC	7.42Y	123.7	0.04	1.31	84.68	16	1836	432	97	0.39	0.0	1.128	0.064	0	0	1	206
PL.49314	PL.49313	A	6 A (CWC)	7.42Y	123.7	0.00	1.32	18.90	14	137	32	97	0.00	0.0	1.131	0.003	0	0	0	17
PD.7642	PL.49314	A	60QA	7.42Y	123.7	0.00	1.32	18.90	32	137	32	97	0.00	0.0	1.131	0.003	0	0	0	17
PL.60311	PD.7642	A	6 A (CWC)	7.42Y	123.6	0.08	1.40	18.90	14	137	32	97	0.08	0.1	1.228	0.097	4	1	1	17
PL.60798	PL.60311	A	#2 ACSR	7.42Y	123.6	0.00	1.40	3.59	2	26	6	97	0.00	0.0	1.298	0.070	26	6	2	2
PL.60313	PL.60311	A	#1/0 ACSR	7.42Y	123.6	0.00	1.40	0.02	0	0	0	100	0.00	0.0	1.232	0.003	0	0	0	1
PD.9094	PL.60313	A	15T	7.42Y	123.6	0.00	1.40	0.02	0	0	0	100	0.00	0.0	1.232	0.003	0	0	0	1
PL.60314	PD.9094	A	#1/0 ACSR	7.42Y	123.6	0.00	1.40	0.02	0	0	0	100	0.00	0.0	1.288	0.056	0	0	1	1
PL.60312	PL.60311	A	6 A (CWC)	7.41Y	123.6	0.04	1.44	14.78	11	107	25	97	0.03	0.0	1.303	0.075	22	5	3	13
PL.50011	PL.60312	A	6 A (CWC)	7.41Y	123.5	0.01	1.46	11.73	8	85	20	97	0.01	0.0	1.335	0.032	33	8	4	10
PL.50012	PL.50011	A	6 A (CWC)	7.41Y	123.5	0.03	1.49	7.15	5	52	12	97	0.01	0.0	1.437	0.102	8	2	1	6
PL.50019	PL.50012	A	6 A (CWC)	7.41Y	123.5	0.01	1.49	4.33	3	31	7	98	0.00	0.0	1.465	0.029	0	0	0	3
PL.50022	PL.50019	A	6 A (CWC)	7.41Y	123.5	0.00	1.50	4.33	3	31	7	98	0.00	0.0	1.493	0.028	10	2	1	3
PL.50023	PL.50022	A	6 A (CWC)	7.41Y	123.5	0.00	1.50	3.00	2	22	5	98	0.00	0.0	1.528	0.035	0	0	0	2
PL.50127	PL.50023	A	#2 ACSR	7.41Y	123.5	0.00	1.50	3.00	2	22	5	98	0.00	0.0	1.538	0.010	22	5	2	2
PL.50020	PL.50012	A	6 A (CWC)	7.41Y	123.5	0.00	1.49	1.76	1	13	3	97	0.00	0.0	1.451	0.014	0	0	0	2
PL.50021	PL.50020	A	6 A (CWC)	7.41Y	123.5	0.00	1.49	1.76	1	13	3	97	0.00	0.0	1.518	0.067	13	3	2	2
PL.60870	PL.49313	ABC	336 MCM AC	7.42Y	123.7	0.03	1.35	78.37	15	1698	400	97	0.32	0.0	1.190	0.062	14	3	1	188
PL.60871	PL.60870	ABC	336 MCM AC	7.42Y	123.6	0.04	1.39	77.71	15	1684	396	97	0.36	0.0	1.261	0.071	23	5	3	187
PL.50024	PL.60871	ABC	336 MCM AC	7.42Y	123.6	0.02	1.41	76.66	15	1661	390	97	0.22	0.0	1.306	0.045	0	0	0	184
PL.50229	PL.50024	ABC	336 MCM AC	7.41Y	123.6	0.02	1.44	52.03	10	1127	265	97	0.15	0.0	1.372	0.066	0	0	0	124
PL.50032	PL.50229	ABC	336 MCM AC	7.41Y	123.6	0.00	1.44	52.03	10	1127	264	97	0.01	0.0	1.378	0.005	0	0	0	124
PD.7720	PL.50032	ABC	70L	7.41Y	123.6	0.00	1.44	52.03	74	1127	264	97	0.00	0.0	1.378	0.005	0	0	0	124
PL.50033	PD.7720	ABC	336 MCM AC	7.41Y	123.5	0.02	1.46	52.03	10	1127	264	97	0.12	0.0	1.431	0.053	11	2	1	124

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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.50035	PL.50033	C	#1/0 ACSR	7.41Y	123.5	0.00	1.46	3.01	1	22	5	98	0.00	0.0	1.435	0.004	0	0	0	1
PD.7710	PL.50035	C	60QA	7.41Y	123.5	0.00	1.46	3.01	5	22	5	98	0.00	0.0	1.435	0.004	0	0	0	1
PL.50036	PD.7710	C	#1/0 ACSR	7.41Y	123.5	0.00	1.46	3.01	1	22	5	98	0.00	0.0	1.454	0.019	0	0	0	1
PL.63806	PL.50036	C	#1/0 ACSR	7.41Y	123.5	0.01	1.46	3.01	1	22	5	98	0.00	0.0	1.528	0.074	0	0	0	1
PL.63807	PL.63806	C	#1/0 ACSR	7.41Y	123.5	0.00	1.46	3.01	1	22	5	98	0.00	0.0	1.565	0.037	22	5	1	1
PL.50034	PL.50033	ABC	336 MCM AC	7.41Y	123.5	0.03	1.49	50.54	10	1094	257	97	0.20	0.0	1.524	0.094	0	0	0	122
PL.49984	PL.50034	C	#1/0 ACSR	7.41Y	123.5	0.00	1.49	2.13	1	15	4	97	0.00	0.0	1.527	0.002	0	0	0	2
PD.7643	PL.49984	C	60QA	7.41Y	123.5	0.00	1.49	2.13	4	15	4	97	0.00	0.0	1.527	0.002	0	0	0	2
PL.49985	PD.7643	C	#1/0 ACSR	7.41Y	123.5	0.00	1.49	2.13	1	15	4	97	0.00	0.0	1.582	0.055	4	1	1	2
PL.49986	PL.49985	C	#1/0 ACSR	7.41Y	123.5	0.00	1.49	1.59	1	11	3	96	0.00	0.0	1.607	0.025	11	3	1	1
PL.58495	PL.50034	A	#4 ACSR	7.41Y	123.5	0.00	1.49	9.29	7	67	16	97	0.00	0.0	1.527	0.003	0	0	0	8
PD.8695	PL.58495	A	40T	7.41Y	123.5	0.00	1.49	9.29	0	67	16	97	0.00	0.0	1.527	0.003	0	0	0	8
PL.58496	PD.8695	A	#4 ACSR	7.41Y	123.5	0.01	1.50	9.29	7	67	16	97	0.00	0.0	1.552	0.025	6	1	1	8
PL.58494	PL.58496	A	#4 ACSR	7.41Y	123.5	0.02	1.52	8.44	6	61	14	97	0.01	0.0	1.600	0.048	14	3	2	7
PL.49733	PL.58494	A	#4 ACSR	7.41Y	123.5	0.00	1.52	6.50	5	47	11	97	0.00	0.0	1.618	0.018	9	2	2	5
PL.49732	PL.49733	A	#4 ACSR	7.41Y	123.5	0.02	1.54	5.26	4	38	9	97	0.00	0.0	1.686	0.068	0	0	0	3
PL.49471	PL.49732	A	#4 ACSR	7.41Y	123.5	0.00	1.54	0.00	0	0	0	100	0.00	0.0	1.706	0.020	0	0	0	0
PL.50030	PL.49732	A	#4 ACSR	7.41Y	123.4	0.01	1.55	5.26	4	38	9	97	0.00	0.0	1.748	0.062	10	2	2	3
PL.50031	PL.50030	A	#4 ACSR	7.41Y	123.4	0.02	1.57	3.87	3	28	6	98	0.00	0.0	1.966	0.218	28	6	1	1
PL.50274	PL.50034	ABC	336 MCM AC	7.41Y	123.5	0.02	1.51	46.74	9	1012	237	97	0.11	0.0	1.583	0.059	0	0	0	112
PL.49987	PL.50274	ABC	336 MCM AC	7.41Y	123.5	0.02	1.53	33.09	6	716	168	97	0.09	0.0	1.677	0.094	0	0	0	74
PL.49638	PL.49987	ABC	336 MCM AC	7.41Y	123.4	0.02	1.55	33.09	6	716	168	97	0.07	0.0	1.755	0.078	0	0	0	74
PL.49639	PL.49638	C	#1/0 ACSR	7.41Y	123.4	0.00	1.55	2.69	1	20	4	98	0.00	0.0	1.759	0.003	0	0	0	1
PD.7628	PL.49639	C	60QA	7.41Y	123.4	0.00	1.55	2.69	4	20	4	98	0.00	0.0	1.759	0.003	0	0	0	1
PL.49472	PD.7628	C	#1/0 ACSR	7.41Y	123.4	0.00	1.55	2.69	1	20	4	98	0.00	0.0	1.773	0.014	0	0	0	1
PL.63668	PL.49472	C	1/0 AL URD	7.41Y	123.4	0.00	1.55	2.69	2	20	4	98	0.00	0.0	1.841	0.069	20	5	1	1
PL.49473	PL.49638	ABC	336 MCM AC	7.41Y	123.4	0.02	1.57	32.19	6	696	164	97	0.07	0.0	1.840	0.084	0	0	0	73
PL.49474	PL.49473	ABC	336 MCM AC	7.40Y	123.4	0.07	1.64	32.19	6	696	163	97	0.25	0.0	2.136	0.297	15	4	1	73
PL.51585	PL.49474	C	#1/0 ACSR	7.40Y	123.4	0.00	1.64	1.34	1	10	2	98	0.00	0.0	2.142	0.006	0	0	0	1
PD.7619	PL.51585	C	60QA	7.40Y	123.4	0.00	1.64	1.34	2	10	2	98	0.00	0.0	2.142	0.006	0	0	0	1
PL.51706	PD.7619	C	#1/0 ACSR	7.40Y	123.4	0.01	1.64	1.34	1	10	2	98	0.00	0.0	2.572	0.430	10	2	1	1

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PL.50112	PL.49474	ABC	336 MCM AC	7.40Y	123.3	0.04	1.67	31.04	6	671	157	97	0.13	0.0	2.297	0.161	0	0	0	71
PL.50039	PL.50112	A	#4 ACSR	7.40Y	123.3	0.00	1.67	27.62	21	199	46	97	0.00	0.0	2.298	0.001	0	0	0	20
PD.7704	PL.50039	A	75QA	7.40Y	123.3	0.00	1.67	27.62	37	199	46	97	0.00	0.0	2.298	0.001	0	0	0	20
PL.63814	PD.7704	A	#4 ACSR	7.40Y	123.3	0.02	1.69	27.62	21	199	46	97	0.03	0.0	2.316	0.018	0	0	0	20
PL.63815	PL.63814	A	#4 ACSR	7.40Y	123.3	0.00	1.69	27.62	21	199	46	97	0.00	0.0	2.316	0.000	10	2	2	20
PL.63816	PL.63815	A	#4 ACSR	7.40Y	123.3	0.04	1.74	26.24	20	189	44	97	0.06	0.0	2.355	0.039	12	3	1	18
PL.50038	PL.63816	A	#4 ACSR	7.39Y	123.2	0.04	1.78	24.52	19	177	41	97	0.06	0.0	2.398	0.042	10	2	1	17
PL.50037	PL.50038	A	#4 ACSR	7.39Y	123.1	0.08	1.86	23.20	18	167	39	97	0.10	0.1	2.473	0.075	0	0	0	16
PL.50015	PL.50037	A	#2 ACSR	7.39Y	123.1	0.01	1.87	6.08	3	44	10	98	0.00	0.0	2.523	0.051	21	5	2	4
PL.49760	PL.50015	A	#1/0 ACSR	7.39Y	123.1	0.00	1.87	1.42	1	10	2	98	0.00	0.0	2.542	0.019	10	2	1	1
PL.50016	PL.50015	A	#2 ACSR	7.39Y	123.1	0.00	1.87	1.68	1	12	3	97	0.00	0.0	2.568	0.045	12	3	1	1
PL.50013	PL.50037	A	#4 ACSR	7.39Y	123.1	0.03	1.89	17.11	13	123	29	97	0.02	0.0	2.514	0.041	23	5	2	12
PL.50014	PL.50013	A	#4 ACSR	7.39Y	123.1	0.03	1.91	13.88	11	100	23	97	0.02	0.0	2.563	0.050	18	4	3	10
PL.49928	PL.50014	A	#4 ACSR	7.38Y	123.1	0.03	1.94	11.41	9	82	19	97	0.02	0.0	2.627	0.064	18	4	1	7
PL.49315	PL.49928	A	#4 ACSR	7.38Y	123.0	0.01	1.95	8.89	7	64	15	97	0.00	0.0	2.649	0.022	0	0	0	6
PL.49686	PL.49315	A	#4 ACSR	7.38Y	123.0	0.00	1.95	1.16	1	8	2	97	0.00	0.0	2.676	0.027	8	2	1	1
PL.50315	PL.49315	A	#4 ACSR	7.38Y	123.0	0.01	1.96	7.73	6	56	13	97	0.00	0.0	2.685	0.036	14	3	1	5
PL.50061	PL.50315	A	#4 ACSR	7.38Y	123.0	0.00	1.97	2.81	2	20	5	97	0.00	0.0	2.726	0.041	20	5	2	2
PL.50137	PL.50315	A	#4 ACSR	7.38Y	123.0	0.00	1.96	2.96	2	21	5	97	0.00	0.0	2.710	0.025	21	5	2	2
PL.50139	PL.50112	ABC	336 MCM AC	7.40Y	123.3	0.01	1.68	21.83	4	472	110	97	0.02	0.0	2.347	0.050	0	0	0	51
PL.50449	PL.50139	C	#4 ACSR	7.40Y	123.3	0.00	1.68	31.87	25	230	53	97	0.01	0.0	2.350	0.003	0	0	0	21
PD.7617	PL.50449	C	40T	7.40Y	123.3	0.00	1.68	31.87	0	230	53	97	0.00	0.0	2.350	0.003	0	0	0	21
PL.50450	PD.7617	C	#4 ACSR	7.40Y	123.3	0.01	1.69	31.87	25	230	53	97	0.02	0.0	2.358	0.008	10	2	1	21
PL.50451	PL.50450	C	#4 ACSR	7.40Y	123.3	0.05	1.74	30.46	23	220	51	97	0.08	0.0	2.394	0.036	12	3	1	20
PL.50452	PL.50451	C	#4 ACSR	7.39Y	123.2	0.08	1.82	28.80	22	207	48	97	0.12	0.1	2.456	0.062	13	3	1	19
PL.50453	PL.50452	C	#4 ACSR	7.38Y	123.1	0.10	1.92	27.06	21	195	45	97	0.15	0.1	2.546	0.089	10	2	1	18
PL.50456	PL.50453	C	#4 ACSR	7.38Y	123.1	0.02	1.94	12.27	9	88	20	98	0.01	0.0	2.589	0.043	13	3	1	8
PL.50457	PL.50456	C	#4 ACSR	7.38Y	123.0	0.05	1.99	10.44	8	75	17	98	0.03	0.0	2.705	0.116	12	3	1	7
PL.50458	PL.50457	C	#4 ACSR	7.38Y	123.0	0.02	2.01	8.74	7	63	15	97	0.01	0.0	2.759	0.054	6	1	1	6
PL.50459	PL.50458	C	#4 ACSR	7.38Y	123.0	0.03	2.04	7.93	6	57	13	97	0.01	0.0	2.853	0.093	26	6	2	5
PL.50460	PL.50459	C	#4 ACSR	7.38Y	123.0	0.01	2.04	4.25	3	31	7	98	0.00	0.0	2.914	0.061	20	5	1	3

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Balanced Voltage Drop Report
Source: Maretburg

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.50461	PL.50460	C	#4 ACSR	7.38Y	123.0	0.00	2.05	1.49	1	11	2	98	0.00	0.0	2.944	0.031	7	2	1	2
PL.50462	PL.50461	C	#4 ACSR	7.38Y	123.0	0.00	2.05	0.54	0	4	1	97	0.00	0.0	2.973	0.028	4	1	1	1
PL.50454	PL.50453	C	#4 ACSR	7.38Y	123.0	0.03	1.95	13.35	10	96	22	97	0.02	0.0	2.609	0.063	31	7	3	9
PL.50455	PL.50454	C	#4 ACSR	7.38Y	123.0	0.01	1.96	5.70	4	41	9	98	0.00	0.0	2.657	0.048	41	9	4	4
PL.50095	PL.50454	C	#4 ACSR	7.38Y	123.0	0.00	1.95	3.36	3	24	6	97	0.00	0.0	2.634	0.025	24	6	2	2
PL.50040	PL.50139	A	#2 ACSR	7.40Y	123.3	0.00	1.68	1.42	1	10	2	98	0.00	0.0	2.350	0.003	0	0	0	1
PD.7618	PL.50040	A	25QA	7.40Y	123.3	0.00	1.68	1.42	6	10	2	98	0.00	0.0	2.350	0.003	0	0	0	1
PL.50448	PD.7618	A	#2 ACSR	7.40Y	123.3	0.00	1.68	1.42	1	10	2	98	0.00	0.0	2.465	0.115	10	2	1	1
PL.57743	PL.50139	ABC	336 MCM AC	7.40Y	123.3	0.01	1.69	10.73	2	232	55	97	0.01	0.0	2.461	0.113	0	0	0	29
PL.57745	PL.57743	B	#1/0 ACSR	7.40Y	123.3	0.00	1.69	0.00	0	0	0	100	0.00	0.0	2.521	0.060	0	0	0	0
PL.57744	PL.57743	ABC	336 MCM AC	7.40Y	123.3	0.03	1.71	10.73	2	232	55	97	0.03	0.0	2.804	0.343	0	0	0	29
PL.49678	PL.57744	ABC	336 MCM AC	7.40Y	123.3	0.00	1.72	10.73	2	232	55	97	0.00	0.0	2.855	0.051	5	1	2	29
PL.52248	PL.49678	B	#1/0 ACSR	7.40Y	123.3	0.00	1.72	31.48	14	227	53	97	0.00	0.0	2.856	0.001	0	0	0	27
PD.8010	PL.52248	B	75QA	7.40Y	123.3	0.00	1.72	31.48	42	227	53	97	0.00	0.0	2.856	0.001	0	0	0	27
PL.52249	PD.8010	B	#1/0 ACSR	7.39Y	123.2	0.07	1.79	31.48	14	227	53	97	0.11	0.0	2.960	0.104	0	0	0	27
PL.49791	PL.52249	B	#1/0 ACSR	7.39Y	123.1	0.06	1.86	31.48	14	227	53	97	0.10	0.0	3.050	0.090	0	0	0	27
PL.50134	PL.49791	B	#4 ACSR	7.39Y	123.1	0.00	1.86	1.91	1	14	3	98	0.00	0.0	3.105	0.055	14	3	1	1
PL.49792	PL.49791	B	#1/0 ACSR	7.39Y	123.1	0.03	1.89	29.57	13	213	50	97	0.05	0.0	3.099	0.049	0	0	0	26
PL.49793	PL.49792	B	#1/0 ACSR	7.38Y	123.1	0.04	1.93	29.57	13	213	50	97	0.06	0.0	3.163	0.064	0	0	0	26
PL.49310	PL.49793	B	#1/0 ACSR	7.38Y	123.0	0.10	2.03	29.47	13	212	50	97	0.14	0.1	3.311	0.147	0	0	0	24
PL.49641	PL.49310	B	#4 ACSR	7.37Y	122.9	0.09	2.12	29.47	23	212	49	97	0.14	0.1	3.382	0.072	18	4	2	24
PL.50111	PL.49641	B	#4 ACSR	7.37Y	122.9	0.00	2.12	0.04	0	0	0	100	0.00	0.0	3.486	0.104	0	0	1	1
PL.49642	PL.49641	B	#4 ACSR	7.35Y	122.5	0.40	2.52	26.88	21	193	45	97	0.58	0.3	3.720	0.338	0	0	0	21
PL.49493	PL.49642	B	6 A (CWC)	7.35Y	122.5	0.01	2.53	4.30	3	31	7	98	0.00	0.0	3.805	0.085	11	2	1	2
PL.49494	PL.49493	B	6 A (CWC)	7.35Y	122.5	0.00	2.54	2.83	2	20	5	97	0.00	0.0	3.875	0.070	20	5	1	1
PL.60875	PL.49642	B	#4 ACSR	7.35Y	122.5	0.02	2.54	22.58	17	162	38	97	0.03	0.0	3.745	0.025	9	2	2	19
PL.60876	PL.60875	B	#4 ACSR	7.35Y	122.4	0.01	2.55	21.32	16	153	35	97	0.01	0.0	3.759	0.013	0	0	0	17
PL.49490	PL.60876	B	6 A (CWC)	7.34Y	122.4	0.05	2.60	16.37	12	117	27	97	0.04	0.0	3.824	0.066	0	0	0	13
PL.49491	PL.49490	B	6 A (CWC)	7.34Y	122.3	0.09	2.69	16.37	12	117	27	97	0.07	0.1	3.949	0.125	12	3	1	12
PL.49492	PL.49491	B	6 A (CWC)	7.33Y	122.2	0.07	2.76	14.72	11	105	24	97	0.05	0.0	4.049	0.100	0	0	0	11
PL.49976	PL.49492	B	6 A (CWC)	7.33Y	122.2	0.01	2.77	2.36	2	17	4	97	0.00	0.0	4.202	0.153	17	4	1	1

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Balanced Voltage Drop Report
Source: Maretburg

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.49498	PL.49492	B	6 A (CWC)	7.33Y	122.1	0.13	2.89	12.37	9	88	21	97	0.09	0.1	4.289	0.240	0	0	0	10
PL.49499	PL.49498	B	6 A (CWC)	7.32Y	122.1	0.03	2.92	10.95	8	78	18	97	0.02	0.0	4.348	0.059	0	0	0	9
PL.50497	PL.49499	B	#4 ACSR	7.32Y	122.1	0.02	2.94	3.52	3	25	6	97	0.00	0.0	4.529	0.181	16	4	1	2
PL.50498	PL.50497	B	#4 ACSR	7.32Y	122.1	0.00	2.94	1.34	1	10	2	98	0.00	0.0	4.556	0.027	10	2	1	1
PL.49651	PL.49499	B	6 A (CWC)	7.32Y	122.0	0.09	3.01	7.43	5	53	12	98	0.03	0.1	4.601	0.254	0	0	1	7
PL.63961	PL.49651	B	6 A (CWC)	7.32Y	122.0	0.01	3.01	7.43	5	53	12	98	0.00	0.0	4.626	0.025	8	2	1	6
PL.63962	PL.63961	B	6 A (CWC)	7.32Y	122.0	0.02	3.03	6.34	5	45	10	98	0.01	0.0	4.682	0.056	0	0	0	5
PL.49652	PL.63962	B	6 A (CWC)	7.31Y	121.9	0.06	3.09	6.34	5	45	10	98	0.02	0.0	4.880	0.198	0	0	0	5
PL.49653	PL.49652	B	6 A (CWC)	7.31Y	121.9	0.03	3.12	6.34	5	45	10	98	0.01	0.0	4.990	0.111	4	1	2	5
PL.49654	PL.49653	B	6 A (CWC)	7.31Y	121.9	0.03	3.14	5.71	4	41	9	98	0.01	0.0	5.105	0.115	13	3	1	3
PL.49655	PL.49654	B	6 A (CWC)	7.31Y	121.8	0.02	3.16	2.38	2	17	4	97	0.00	0.0	5.318	0.212	0	0	0	1
PL.49656	PL.49655	B	6 A (CWC)	7.31Y	121.8	0.00	3.16	0.00	0	0	0	100	0.00	0.0	5.345	0.027	0	0	0	0
PL.49691	PL.49655	B	#4 ACSR	7.31Y	121.8	0.00	3.17	2.38	2	17	4	97	0.00	0.0	5.353	0.035	17	4	1	1
PL.63906	PL.49654	B	#4 ACSR	7.31Y	121.9	0.00	3.14	1.55	1	11	3	96	0.00	0.0	5.105	0.000	0	0	0	1
PL.63907	PL.63906	B	#4 ACSR	7.31Y	121.9	0.01	3.15	1.55	1	11	3	96	0.00	0.0	5.230	0.125	0	0	0	1
PL.49657	PL.63907	B	#4 ACSR	7.31Y	121.8	0.00	3.15	1.55	1	11	3	96	0.00	0.0	5.342	0.111	11	3	1	1
PL.49500	PL.49498	B	6 A (CWC)	7.33Y	122.1	0.01	2.90	1.42	1	10	2	98	0.00	0.0	4.380	0.091	0	0	0	1
PL.49501	PL.49500	B	6 A (CWC)	7.33Y	122.1	0.00	2.90	1.42	1	10	2	98	0.00	0.0	4.477	0.097	10	2	1	1
PL.50496	PL.49501	B	6 A (CWC)	7.33Y	122.1	0.00	2.90	0.00	0	0	0	100	0.00	0.0	4.527	0.049	0	0	0	0
PL.50050	PL.49490	B	#2 ACSR	7.34Y	122.4	0.00	2.60	0.00	0	0	0	100	0.00	0.0	3.849	0.024	0	0	1	1
PL.49762	PL.60876	B	6 A (CWC)	7.34Y	122.4	0.03	2.59	4.95	4	35	8	97	0.01	0.0	3.899	0.140	0	0	0	4
PL.49495	PL.49762	B	6 A (CWC)	7.34Y	122.4	0.01	2.59	3.84	3	28	6	98	0.00	0.0	3.942	0.044	8	2	1	3
PL.49496	PL.49495	B	6 A (CWC)	7.34Y	122.4	0.00	2.60	2.70	2	19	4	98	0.00	0.0	3.978	0.035	16	4	1	2
PL.49497	PL.49496	B	6 A (CWC)	7.34Y	122.4	0.00	2.60	0.40	0	3	1	95	0.00	0.0	4.111	0.133	3	1	1	1
PL.50069	PL.49762	B	#4 ACSR	7.34Y	122.4	0.00	2.59	1.11	1	8	2	97	0.00	0.0	3.977	0.078	8	2	1	1
PL.49794	PL.49793	B	#4 ACSR	7.38Y	123.1	0.00	1.93	0.09	0	1	0	100	0.00	0.0	3.252	0.089	0	0	0	2
PL.49640	PL.49794	B	#4 ACSR	7.38Y	123.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	3.287	0.035	0	0	1	1
PL.49690	PL.49794	B	#4 ACSR	7.38Y	123.1	0.00	1.93	0.09	0	1	0	100	0.00	0.0	3.413	0.161	1	0	1	1
PL.50081	PL.52249	B	#4 ACSR	7.39Y	123.2	0.00	1.79	0.00	0	0	0	100	0.00	0.0	2.981	0.021	0	0	0	0
PL.52247	PL.49678	B	6 A (CWC)	7.40Y	123.3	0.00	1.72	0.00	0	0	0	100	0.00	0.0	2.856	0.001	0	0	0	0
PL.50313	PL.49473	C	#1/0 ACSR	7.41Y	123.4	0.00	1.57	0.00	0	0	0	100	0.00	0.0	1.842	0.003	0	0	0	0

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Balanced Voltage Drop Report
Source: Maretburg

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.7627	PL.50313	C	60QA	7.41Y	123.4	0.00	1.57	0.00	0	0	0	100	0.00	0.0	1.842	0.003	0	0	0	0
PL.50314	PD.7627	C	#1/0 ACSR	7.41Y	123.4	0.00	1.57	0.00	0	0	0	100	0.00	0.0	1.867	0.025	0	0	0	0
PL.49553	PL.50274	ABC	6 A (CWC)	7.40Y	123.3	0.17	1.68	13.65	10	296	69	97	0.40	0.1	1.908	0.325	0	0	0	38
PL.50463	PL.49553	A	#4 ACSR	7.40Y	123.3	0.00	1.69	6.26	5	45	10	98	0.00	0.0	1.916	0.008	0	0	0	5
PD.7677	PL.50463	A	60QA	7.40Y	123.3	0.00	1.69	6.26	10	45	10	98	0.00	0.0	1.916	0.008	0	0	0	5
PL.49566	PD.7677	A	#4 ACSR	7.40Y	123.3	0.04	1.73	6.26	5	45	10	98	0.01	0.0	2.064	0.148	0	0	0	5
PL.49288	PL.49566	A	#4 ACSR	7.40Y	123.3	0.01	1.73	6.26	5	45	10	98	0.00	0.0	2.087	0.023	16	4	2	5
PL.49289	PL.49288	A	#4 ACSR	7.40Y	123.3	0.01	1.74	4.03	3	29	7	97	0.00	0.0	2.148	0.061	0	0	0	3
PL.49290	PL.49289	A	#4 ACSR	7.40Y	123.3	0.00	1.74	1.98	2	14	3	98	0.00	0.0	2.179	0.031	14	3	1	1
PL.50072	PL.49289	A	#4 ACSR	7.40Y	123.3	0.00	1.74	2.05	2	15	3	98	0.00	0.0	2.210	0.063	15	3	2	2
PL.60775	PL.49553	ABC	6 A (CWC)	7.40Y	123.3	0.06	1.75	11.56	8	250	58	97	0.12	0.0	2.050	0.141	14	3	1	33
PL.60776	PL.60775	ABC	6 A (CWC)	7.39Y	123.2	0.03	1.78	10.91	8	236	55	97	0.06	0.0	2.127	0.077	0	0	0	32
PL.60768	PL.60776	A	#2 ACSR	7.39Y	123.2	0.00	1.78	0.00	0	0	0	100	0.00	0.0	2.130	0.003	0	0	0	0
PD.9069	PL.60768	A	60QA	7.39Y	123.2	0.00	1.78	0.00	0	0	0	100	0.00	0.0	2.130	0.003	0	0	0	0
PL.60769	PD.9069	A	#2 ACSR	7.39Y	123.2	0.00	1.78	0.00	0	0	0	100	0.00	0.0	2.171	0.041	0	0	0	0
PL.60765	PL.60776	ABC	6 A (CWC)	7.39Y	123.2	0.01	1.78	10.91	8	236	55	97	0.01	0.0	2.141	0.014	0	0	0	32
PL.60766	PL.60765	ABC	6 A (CWC)	7.39Y	123.2	0.05	1.84	9.06	6	196	45	97	0.08	0.0	2.304	0.163	26	6	1	27
PL.60764	PL.60766	ABC	6 A (CWC)	7.39Y	123.1	0.04	1.88	7.87	6	170	39	97	0.05	0.0	2.437	0.132	0	0	0	26
PL.50480	PL.60764	ABC	6 A (CWC)	7.39Y	123.1	0.01	1.89	6.95	5	150	35	97	0.02	0.0	2.491	0.054	0	0	0	23
PL.47049	PL.50480	A	6 A (CWC)	7.39Y	123.1	0.00	1.89	0.80	1	6	1	99	0.00	0.0	2.493	0.002	0	0	0	1
PD.7620	PL.47049	A	40QA	7.39Y	123.1	0.00	1.89	0.80	2	6	1	99	0.00	0.0	2.493	0.002	0	0	0	1
PL.47050	PD.7620	A	6 A (CWC)	7.39Y	123.1	0.01	1.91	0.80	1	6	1	99	0.00	0.0	2.819	0.326	0	0	0	1
PL.49658	PL.47050	A	6 A (CWC)	7.39Y	123.1	0.00	1.91	0.80	1	6	1	99	0.00	0.0	2.947	0.128	6	1	1	1
PL.49317	PL.47050	A	#1/0 ACSR	7.39Y	123.1	0.00	1.91	0.00	0	0	0	100	0.00	0.0	2.891	0.072	0	0	0	0
PL.50494	PL.50480	ABC	#1/0 ACSR	7.39Y	123.1	0.00	1.89	6.69	3	144	33	97	0.00	0.0	2.492	0.001	0	0	0	22
PL.50495	PL.50494	ABC	#1/0 ACSR	7.39Y	123.1	0.01	1.90	6.69	3	144	33	97	0.01	0.0	2.535	0.043	0	0	0	22
PL.50481	PL.50495	ABC	#1/0 ACSR	7.39Y	123.1	0.00	1.90	5.90	3	127	30	97	0.00	0.0	2.564	0.029	12	3	1	20
PL.50482	PL.50481	ABC	#1/0 ACSR	7.39Y	123.1	0.01	1.91	5.32	2	115	27	97	0.01	0.0	2.641	0.077	0	0	0	19
PL.50486	PL.50482	ABC	#1/0 ACSR	7.39Y	123.1	0.01	1.91	5.14	2	111	26	97	0.00	0.0	2.711	0.070	5	1	1	18
PL.50487	PL.50486	ABC	#1/0 ACSR	7.38Y	123.1	0.00	1.92	4.93	2	106	25	97	0.00	0.0	2.766	0.055	5	1	1	17
PL.50488	PL.50487	ABC	#1/0 ACSR	7.38Y	123.1	0.01	1.92	4.68	2	101	23	98	0.00	0.0	2.830	0.064	0	0	0	16

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Balanced Voltage Drop Report
Source: Maretburg

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.49630	PL.50488	C	6 A (CWC)	7.38Y	123.1	0.00	1.93	1.56	1	11	3	96	0.00	0.0	2.875	0.044	0	0	0	2
PL.60872	PL.49630	C	6 A (CWC)	7.38Y	123.1	0.00	1.93	1.56	1	11	3	96	0.00	0.0	2.913	0.039	11	3	2	2
PL.50489	PL.50488	ABC	#1/0 ACSR	7.38Y	123.1	0.01	1.93	4.16	2	90	21	97	0.00	0.0	2.928	0.098	0	0	0	14
PL.49631	PL.50489	B	6 A (CWC)	7.38Y	123.1	0.00	1.93	0.95	1	7	2	96	0.00	0.0	2.978	0.050	7	2	1	2
PL.49677	PL.49631	B	6 A (CWC)	7.38Y	123.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	3.020	0.042	0	0	0	1
PL.50064	PL.49677	B	#4 ACSR	7.38Y	123.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	3.071	0.051	0	0	1	1
PL.52245	PL.49677	B	6 A (CWC)	7.38Y	123.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	3.230	0.209	0	0	0	0
PL.52246	PL.52245	B	6 A (CWC)	7.38Y	123.1	0.00	1.93	0.00	0	0	0	100	0.00	0.0	3.238	0.008	0	0	0	0
PL.49675	PL.50489	C	6 A (CWC)	7.38Y	123.1	0.00	1.93	11.52	8	83	19	97	0.00	0.0	2.934	0.006	0	0	0	12
PD.7697	PL.49675	C	40T	7.38Y	123.1	0.00	1.93	11.52	0	83	19	97	0.00	0.0	2.934	0.006	0	0	0	12
PL.49676	PD.7697	C	6 A (CWC)	7.38Y	123.0	0.04	1.98	11.52	8	83	19	97	0.03	0.0	3.013	0.079	0	0	0	12
PL.49632	PL.49676	C	#4 ACSR	7.38Y	123.0	0.00	1.98	2.00	2	14	3	98	0.00	0.0	3.014	0.001	0	0	0	2
PD.7673	PL.49632	C	25T	7.38Y	123.0	0.00	1.98	2.00	0	14	3	98	0.00	0.0	3.014	0.001	0	0	0	2
PL.49633	PD.7673	C	#4 ACSR	7.38Y	123.0	0.00	1.98	2.00	2	14	3	98	0.00	0.0	3.059	0.045	14	3	2	2
PL.49665	PL.49676	C	6 A (CWC)	7.38Y	123.0	0.04	2.02	8.50	6	61	14	97	0.02	0.0	3.117	0.104	0	0	0	9
PL.63818	PL.49665	C	6 A (CWC)	7.38Y	123.0	0.02	2.04	8.50	6	61	14	97	0.01	0.0	3.170	0.053	0	0	1	9
PL.63819	PL.63818	C	6 A (CWC)	7.37Y	122.9	0.06	2.10	8.50	6	61	14	97	0.03	0.0	3.327	0.157	0	0	0	8
PL.63820	PL.63819	C	6 A (CWC)	7.37Y	122.9	0.02	2.11	7.23	5	52	12	97	0.01	0.0	3.385	0.058	10	2	1	7
PL.49666	PL.63820	C	6 A (CWC)	7.37Y	122.9	0.02	2.13	5.85	4	42	10	97	0.00	0.0	3.450	0.065	9	2	1	6
PL.49667	PL.49666	C	6 A (CWC)	7.37Y	122.8	0.05	2.18	4.54	3	33	8	97	0.01	0.0	3.690	0.240	0	0	0	5
PL.49671	PL.49667	C	6 A (CWC)	7.37Y	122.8	0.01	2.19	2.44	2	17	4	97	0.00	0.0	3.761	0.071	0	0	0	3
PL.49672	PL.49671	C	6 A (CWC)	7.37Y	122.8	0.01	2.19	2.44	2	17	4	97	0.00	0.0	3.856	0.095	12	3	1	3
PL.49673	PL.49672	C	6 A (CWC)	7.37Y	122.8	0.00	2.19	0.73	1	5	1	98	0.00	0.0	3.911	0.055	5	1	2	2
PL.49674	PL.49673	C	6 A (CWC)	7.37Y	122.8	0.00	2.19	0.00	0	0	0	100	0.00	0.0	4.041	0.130	0	0	0	0
PL.50321	PL.49667	C	6 A (CWC)	7.37Y	122.8	0.01	2.19	2.11	2	15	4	97	0.00	0.0	3.818	0.128	0	0	0	2
PL.49669	PL.50321	C	6 A (CWC)	7.37Y	122.8	0.00	2.19	2.11	2	15	4	97	0.00	0.0	3.819	0.000	4	1	1	2
PL.49670	PL.49669	C	6 A (CWC)	7.37Y	122.8	0.00	2.19	1.60	1	11	3	96	0.00	0.0	3.875	0.056	11	3	1	1
PL.49668	PL.49670	C	6 A (CWC)	7.37Y	122.8	0.00	2.19	0.00	0	0	0	100	0.00	0.0	3.980	0.105	0	0	0	0
PL.63821	PL.63819	C	#1/0 ACSR	7.37Y	122.9	0.00	2.10	1.26	1	9	2	98	0.00	0.0	3.331	0.004	0	0	0	1
PD.9489	PL.63821	C	20T	7.37Y	122.9	0.00	2.10	1.26	0	9	2	98	0.00	0.0	3.331	0.004	0	0	0	1
PL.63822	PD.9489	C	#1/0 ACSR	7.37Y	122.9	0.00	2.10	1.26	1	9	2	98	0.00	0.0	3.375	0.045	0	0	0	1

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Balanced Voltage Drop Report
Source: Maretburg

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.63823	PL.63822	C	#1/0 ACSR	7.37Y	122.9	0.00	2.10	1.26	1	9	2	98	0.00	0.0	3.419	0.043	9	2	1	1
PL.63955	PL.49676	C	#1/0 ACSR	7.38Y	123.0	0.00	1.98	1.03	0	7	2	96	0.00	0.0	3.017	0.003	0	0	0	1
PD.9490	PL.63955	C	25T	7.38Y	123.0	0.00	1.98	1.03	0	7	2	96	0.00	0.0	3.017	0.003	0	0	0	1
PL.63905	PD.9490	C	#1/0 ACSR	7.38Y	123.0	0.00	1.98	1.03	0	7	2	96	0.00	0.0	3.056	0.039	0	0	0	1
PL.63904	PL.63905	C	#1/0 ACSR	7.38Y	123.0	0.00	1.98	1.03	0	7	2	96	0.00	0.0	3.096	0.040	7	2	1	1
PL.50464	PL.50482	A	6 A (CWC)	7.39Y	123.1	0.00	1.91	0.53	0	4	1	97	0.00	0.0	2.644	0.003	0	0	0	1
PD.7638	PL.50464	A	25QA	7.39Y	123.1	0.00	1.91	0.53	2	4	1	97	0.00	0.0	2.644	0.003	0	0	0	1
PL.50465	PD.7638	A	6 A (CWC)	7.39Y	123.1	0.00	1.91	0.53	0	4	1	97	0.00	0.0	2.704	0.059	0	0	0	1
PL.50466	PL.50465	A	6 A (CWC)	7.39Y	123.1	0.00	1.91	0.53	0	4	1	97	0.00	0.0	2.781	0.077	4	1	1	1
PL.59609	PL.50495	B	#1/0 ACSR	7.39Y	123.1	0.00	1.90	2.37	1	17	4	97	0.00	0.0	2.568	0.032	17	4	2	2
PL.50492	PL.60764	ABC	#4 ACSR	7.39Y	123.1	0.00	1.88	0.51	0	11	3	96	0.00	0.0	2.439	0.002	0	0	0	2
PD.7633	PL.50492	C	60QA	7.39Y	123.1	0.00	1.88	1.52	3	11	3	96	0.00	0.0	2.439	0.002	0	0	0	2
PL.50493	PD.7633	C	#4 ACSR	7.39Y	123.1	0.00	1.88	1.52	1	11	3	96	0.00	0.0	2.504	0.066	0	0	1	2
PL.63664	PL.50493	C	#1/0 ACSR	7.39Y	123.1	0.00	1.88	1.47	1	11	2	98	0.00	0.0	2.559	0.055	11	2	1	1
PL.50490	PL.60764	ABC	#4 ACSR	7.39Y	123.1	0.00	1.88	0.41	0	9	2	98	0.00	0.0	2.439	0.002	0	0	0	1
PD.7670	PL.50490	A	60QA	7.39Y	123.1	0.00	1.88	1.23	2	9	2	98	0.00	0.0	2.439	0.002	0	0	0	1
PL.50491	PD.7670	A	#4 ACSR	7.39Y	123.1	0.00	1.88	1.23	1	9	2	98	0.00	0.0	2.495	0.056	9	2	1	1
PL.60767	PL.60765	C	#1/0 ACSR	7.39Y	123.2	0.00	1.78	5.53	2	40	9	98	0.00	0.0	2.144	0.003	0	0	0	5
PD.9068	PL.60767	C	15T	7.39Y	123.2	0.00	1.78	5.53	0	40	9	98	0.00	0.0	2.144	0.003	0	0	0	5
PL.60770	PD.9068	C	#1/0 ACSR	7.39Y	123.2	0.00	1.79	5.53	2	40	9	98	0.00	0.0	2.193	0.048	20	5	2	5
PL.60326	PL.60770	C	#1/0 ACSR	7.39Y	123.2	0.00	1.79	2.78	1	20	5	97	0.00	0.0	2.228	0.036	0	0	0	3
PL.60328	PL.60326	C	#1/0 ACSR	7.39Y	123.2	0.00	1.79	1.53	1	11	3	96	0.00	0.0	2.280	0.052	11	3	1	1
PL.60327	PL.60326	C	#1/0 ACSR	7.39Y	123.2	0.00	1.79	1.25	1	9	2	98	0.00	0.0	2.284	0.055	9	2	2	2
PL.50026	PL.50024	A	#4 ACSR	7.42Y	123.6	0.00	1.41	3.86	3	28	6	98	0.00	0.0	1.309	0.003	0	0	0	2
PD.7675	PL.50026	A	60QA	7.42Y	123.6	0.00	1.41	3.86	6	28	6	98	0.00	0.0	1.309	0.003	0	0	0	2
PL.50027	PD.7675	A	#4 ACSR	7.42Y	123.6	0.00	1.41	3.86	3	28	6	98	0.00	0.0	1.327	0.018	18	4	1	2
PL.50025	PL.50027	A	#4 ACSR	7.42Y	123.6	0.00	1.42	1.42	1	10	2	98	0.00	0.0	1.370	0.043	10	2	1	1
PL.50028	PL.50024	ABC	336 MCM AC	7.41Y	123.6	0.01	1.42	23.34	4	506	118	97	0.04	0.0	1.384	0.078	9	2	1	58
PL.50029	PL.50028	ABC	336 MCM AC	7.41Y	123.5	0.03	1.45	22.91	4	496	116	97	0.08	0.0	1.559	0.174	0	0	0	57
PL.59597	PL.50029	ABC	336 MCM AC	7.41Y	123.5	0.00	1.45	22.91	4	496	116	97	0.00	0.0	1.561	0.002	0	0	0	57
PD.8798	PL.59597	ABC	70L	7.41Y	123.5	0.00	1.45	22.91	33	496	116	97	0.00	0.0	1.561	0.002	0	0	0	57

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Balanced Voltage Drop Report
Source: Maretburg

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.59720	PD.8798	ABC	336 MCM AC	7.41Y	123.5	0.00	1.45	22.91	4	496	116	97	0.00	0.0	1.564	0.003	0	0	0	57
PL.59719	PL.59720	ABC	336 MCM AC	7.41Y	123.5	0.01	1.47	19.17	4	415	97	97	0.03	0.0	1.675	0.111	0	0	0	44
PL.49983	PL.59719	ABC	336 MCM AC	7.41Y	123.5	0.00	1.47	19.17	4	415	97	97	0.00	0.0	1.675	0.001	0	0	0	44
PL.49593	PL.49983	ABC	336 MCM AC	7.41Y	123.5	0.01	1.48	19.17	4	415	97	97	0.02	0.0	1.728	0.053	18	4	2	44
PL.50467	PL.49593	ABC	336 MCM AC	7.41Y	123.5	0.01	1.48	18.29	4	396	92	97	0.02	0.0	1.786	0.057	0	0	0	41
PL.60877	PL.50467	ABC	336 MCM AC	7.41Y	123.5	0.01	1.49	18.02	3	390	91	97	0.01	0.0	1.842	0.056	22	5	3	40
PL.60879	PL.60877	ABC	336 MCM AC	7.41Y	123.5	0.01	1.50	16.73	3	362	84	97	0.02	0.0	1.936	0.094	21	5	2	36
PL.50469	PL.60879	ABC	336 MCM AC	7.41Y	123.5	0.00	1.50	15.77	3	342	79	97	0.01	0.0	1.976	0.040	3	1	1	34
PL.50470	PL.50469	ABC	336 MCM AC	7.41Y	123.5	0.00	1.51	15.61	3	338	79	97	0.00	0.0	1.991	0.015	0	0	0	33
PL.50471	PL.50470	ABC	336 MCM AC	7.41Y	123.5	0.00	1.51	14.65	3	317	74	97	0.01	0.0	2.024	0.033	18	4	2	32
PL.50472	PL.50471	ABC	336 MCM AC	7.41Y	123.5	0.01	1.52	13.81	3	299	70	97	0.01	0.0	2.110	0.086	21	5	1	30
PL.50342	PL.50472	ABC	336 MCM AC	7.41Y	123.5	0.01	1.53	12.83	2	278	65	97	0.02	0.0	2.221	0.111	0	0	1	29
PL.50477	PL.50342	ABC	336 MCM AC	7.41Y	123.5	0.01	1.53	11.60	2	251	58	97	0.01	0.0	2.303	0.082	8	2	1	26
PL.60321	PL.50477	ABC	336 MCM AC	7.41Y	123.5	0.01	1.55	11.07	2	240	56	97	0.02	0.0	2.478	0.175	0	0	0	24
PL.60315	PL.60321	ABC	336 MCM AC	7.41Y	123.4	0.01	1.56	9.42	2	204	47	97	0.01	0.0	2.604	0.127	19	4	2	21
PL.60318	PL.60315	ABC	336 MCM AC	7.41Y	123.4	0.01	1.56	8.07	2	175	41	97	0.01	0.0	2.720	0.115	0	0	0	16
PL.60324	PL.60318	ABC	336 MCM AC	7.41Y	123.4	0.00	1.56	8.07	2	175	41	97	0.00	0.0	2.761	0.042	0	0	0	16
PL.50227	PL.60324	ABC	336 MCM AC	7.41Y	123.4	0.00	1.56	0.00	0	0	0	100	0.00	0.0	2.807	0.046	0	0	0	0
PD.7185-B	PL.50227	ABC	Open	7.41Y	123.4	0.00	1.56	0.00	0	0	0	100	0.00	0.0	2.807	0.046	0	0	0	0
PL.49988	PL.60324	C	#4 ACSR	7.41Y	123.4	0.00	1.57	24.21	19	175	41	97	0.01	0.0	2.766	0.004	0	0	0	16
PD.7611	PL.49988	C	50QA	7.41Y	123.4	0.00	1.57	24.21	48	175	41	97	0.00	0.0	2.766	0.004	0	0	0	16
PL.49989	PD.7611	C	#4 ACSR	7.40Y	123.4	0.05	1.62	24.21	19	175	41	97	0.06	0.0	2.816	0.051	23	5	3	16
PL.49990	PL.49989	C	#4 ACSR	7.40Y	123.3	0.06	1.68	21.09	16	152	35	97	0.07	0.0	2.887	0.070	7	2	1	13
PL.50232	PL.49990	C	#4 ACSR	7.40Y	123.3	0.04	1.72	20.11	15	145	34	97	0.04	0.0	2.934	0.048	31	7	2	12
PL.63808	PL.50232	C	#4 ACSR	7.39Y	123.2	0.07	1.79	15.81	12	114	26	97	0.06	0.1	3.035	0.101	0	0	0	10
PL.63809	PL.63808	C	#4 ACSR	7.39Y	123.2	0.00	1.79	15.81	12	114	26	97	0.00	0.0	3.035	0.000	21	5	1	10
PL.49475	PL.63809	C	#4 ACSR	7.39Y	123.2	0.01	1.81	12.86	10	93	21	98	0.01	0.0	3.064	0.028	13	3	1	9
PL.49476	PL.49475	C	#4 ACSR	7.39Y	123.2	0.01	1.82	11.12	9	80	19	97	0.00	0.0	3.084	0.020	21	5	2	8
PL.50304	PL.49476	C	#4 ACSR	7.39Y	123.2	0.01	1.82	3.51	3	25	6	97	0.00	0.0	3.150	0.066	11	3	1	3
PL.49769	PL.50304	C	#4 ACSR	7.39Y	123.2	0.00	1.83	1.98	2	14	3	98	0.00	0.0	3.179	0.029	7	2	1	2
PL.49770	PL.49769	C	#4 ACSR	7.39Y	123.2	0.00	1.83	0.99	1	7	2	96	0.00	0.0	3.201	0.022	7	2	1	1

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

Balanced Voltage Drop Report
Source: Maretburg

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.49477	PL.49476	C	#4 ACSR	7.39Y	123.2	0.00	1.82	4.70	4	34	8	97	0.00	0.0	3.110	0.026	8	2	1	3
PL.50303	PL.49477	C	#4 ACSR	7.39Y	123.2	0.00	1.82	3.61	3	26	6	97	0.00	0.0	3.153	0.043	26	6	2	2
PL.50108	PL.63809	C	#2 ACSR	7.39Y	123.2	0.00	1.79	0.00	0	0	0	100	0.00	0.0	3.070	0.035	0	0	0	0
PL.60325	PL.60318	A	6 A (CWC)	7.41Y	123.4	0.00	1.56	0.00	0	0	0	100	0.00	0.0	2.722	0.002	0	0	0	0
PD.7696	PL.60325	A	50QA	7.41Y	123.4	0.00	1.56	0.00	0	0	0	100	0.00	0.0	2.722	0.002	0	0	0	0
PL.50122	PD.7696	A	6 A (CWC)	7.41Y	123.4	0.00	1.56	0.00	0	0	0	100	0.00	0.0	2.774	0.052	0	0	0	0
PL.60316	PL.60315	C	#4 ACSR	7.41Y	123.4	0.00	1.56	1.39	1	10	2	98	0.00	0.0	2.608	0.003	0	0	0	3
PD.9095	PL.60316	C	30T	7.41Y	123.4	0.00	1.56	1.39	0	10	2	98	0.00	0.0	2.608	0.003	0	0	0	3
PL.60322	PD.9095	C	#4 ACSR	7.41Y	123.4	0.01	1.56	1.39	1	10	2	98	0.00	0.0	2.706	0.098	1	0	2	3
PL.50483	PL.60322	C	#4 ACSR	7.41Y	123.4	0.00	1.57	1.29	1	9	2	98	0.00	0.0	2.832	0.127	9	2	1	1
PL.60317	PL.60315	A	#4 ACSR	7.41Y	123.4	0.00	1.56	0.00	0	0	0	100	0.00	0.0	2.606	0.001	0	0	0	0
PD.9096	PL.60317	A	50QA	7.41Y	123.4	0.00	1.56	0.00	0	0	0	100	0.00	0.0	2.606	0.001	0	0	0	0
PL.60323	PD.9096	A	#4 ACSR	7.41Y	123.4	0.00	1.56	0.00	0	0	0	100	0.00	0.0	2.666	0.060	0	0	0	0
PL.60319	PL.60321	A	#4 ACSR	7.41Y	123.4	0.00	1.55	1.77	1	13	3	97	0.00	0.0	2.546	0.068	13	3	1	1
PL.60320	PL.60321	A	6 A (CWC)	7.41Y	123.5	0.00	1.55	3.16	2	23	5	98	0.00	0.0	2.482	0.004	0	0	0	2
PD.7703	PL.60320	A	50QA	7.41Y	123.5	0.00	1.55	3.16	6	23	5	98	0.00	0.0	2.482	0.004	0	0	0	2
PL.50484	PD.7703	A	6 A (CWC)	7.41Y	123.4	0.01	1.56	3.16	2	23	5	98	0.00	0.0	2.543	0.061	0	0	0	2
PL.49771	PL.50484	A	6 A (CWC)	7.41Y	123.4	0.00	1.56	2.20	2	16	4	97	0.00	0.0	2.554	0.011	16	4	1	1
PL.50485	PL.50484	A	6 A (CWC)	7.41Y	123.4	0.00	1.56	0.96	1	7	2	96	0.00	0.0	2.582	0.039	7	2	1	1
PL.50478	PL.50477	A	6 A (CWC)	7.41Y	123.5	0.00	1.53	0.55	0	4	1	97	0.00	0.0	2.304	0.001	0	0	0	1
PD.7186	PL.50478	A	50QA	7.41Y	123.5	0.00	1.53	0.55	1	4	1	97	0.00	0.0	2.304	0.001	0	0	0	1
PL.50479	PD.7186	A	6 A (CWC)	7.41Y	123.5	0.00	1.54	0.55	0	4	1	97	0.00	0.0	2.368	0.064	4	1	1	1
PL.50475	PL.50342	C	6 A (CWC)	7.41Y	123.5	0.00	1.53	3.67	3	26	6	97	0.00	0.0	2.233	0.012	0	0	0	2
PD.7654	PL.50475	C	50QA	7.41Y	123.5	0.00	1.53	3.67	7	26	6	97	0.00	0.0	2.233	0.012	0	0	0	2
PL.50476	PD.7654	C	6 A (CWC)	7.41Y	123.5	0.02	1.54	3.67	3	26	6	97	0.00	0.0	2.366	0.133	17	4	1	2
PL.60883	PL.50476	C	6 A (CWC)	7.41Y	123.4	0.01	1.55	1.35	1	10	2	98	0.00	0.0	2.527	0.161	0	0	0	1
PL.60884	PL.60883	C	#4 ACSR	7.41Y	123.4	0.00	1.56	1.35	1	10	2	98	0.00	0.0	2.569	0.043	10	2	1	1
PL.60885	PL.60883	C	6 A (CWC)	7.41Y	123.4	0.00	1.55	0.00	0	0	0	100	0.00	0.0	2.530	0.003	0	0	0	0
PL.50473	PL.50470	C	#2 ACSR	7.41Y	123.5	0.00	1.51	2.89	2	21	5	97	0.00	0.0	1.994	0.002	0	0	0	1
PD.7685	PL.50473	C	40QA	7.41Y	123.5	0.00	1.51	2.89	7	21	5	97	0.00	0.0	1.994	0.002	0	0	0	1
PL.50474	PD.7685	C	#2 ACSR	7.41Y	123.5	0.00	1.51	2.89	2	21	5	97	0.00	0.0	2.023	0.030	21	5	1	1

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Balanced Voltage Drop Report
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Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy 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.60878	PL.60877	B	#2 ACSR	7.41Y	123.5	0.00	1.49	0.84	0	6	1	99	0.00	0.0	1.845	0.003	0	0	0	1
PD.7612	PL.60878	B	40QA	7.41Y	123.5	0.00	1.49	0.84	2	6	1	99	0.00	0.0	1.845	0.003	0	0	0	1
PL.50468	PD.7612	B	#2 ACSR	7.41Y	123.5	0.00	1.49	0.84	0	6	1	99	0.00	0.0	1.870	0.026	6	1	1	1
PL.50126	PL.50467	A	6 A (CWC)	7.41Y	123.5	0.00	1.48	0.81	1	6	1	99	0.00	0.0	1.806	0.020	6	1	1	1
PL.50230	PL.49593	A	6 A (CWC)	7.41Y	123.5	0.00	1.48	0.13	0	1	0	100	0.00	0.0	1.790	0.061	1	0	1	1
PL.57702	PL.49983	ABC	336 MCM AC	7.41Y	123.5	0.00	1.47	0.00	0	0	0	100	0.00	0.0	1.677	0.001	0	0	0	0
PD.8382	PL.57702	ABC	50QA	7.41Y	123.5	0.00	1.47	0.00	0	0	0	100	0.00	0.0	1.677	0.001	0	0	0	0
PL.57703	PD.8382	ABC	336 MCM AC	7.41Y	123.5	0.00	1.47	0.00	0	0	0	100	0.00	0.0	1.729	0.052	0	0	0	0
PL.57704	PL.57703	ABC	336 MCM AC	7.41Y	123.5	0.00	1.47	0.00	0	0	0	100	0.00	0.0	1.741	0.012	0	0	0	0
PL.59718	PL.59720	C	6 A (CWC)	7.41Y	123.5	0.08	1.54	11.20	8	81	19	97	0.05	0.1	1.731	0.167	0	0	1	13
PL.52256	PL.59718	C	6 A (CWC)	7.41Y	123.5	0.00	1.54	9.95	7	72	17	97	0.00	0.0	1.732	0.002	0	0	0	11
PD.7965	PL.52256	C	50L	7.41Y	123.5	0.00	1.54	9.95	20	72	17	97	0.00	0.0	1.732	0.002	0	0	0	11
PL.52257	PD.7965	C	6 A (CWC)	7.41Y	123.4	0.03	1.57	9.95	7	72	17	97	0.02	0.0	1.795	0.062	0	0	0	11
PL.50223	PL.52257	C	6 A (CWC)	7.40Y	123.4	0.08	1.64	9.95	7	72	17	97	0.04	0.1	1.969	0.174	1	0	1	11
PL.49808	PL.50223	C	6 A (CWC)	7.40Y	123.4	0.00	1.65	1.25	1	9	2	98	0.00	0.0	2.053	0.084	9	2	1	1
PL.49467	PL.50223	C	6 A (CWC)	7.40Y	123.3	0.04	1.68	8.56	6	62	14	98	0.02	0.0	2.068	0.099	0	0	0	9
PL.49468	PL.49467	C	6 A (CWC)	7.39Y	123.2	0.08	1.76	7.67	5	55	13	97	0.03	0.1	2.291	0.224	0	0	0	8
PL.49776	PL.49468	C	6 A (CWC)	7.39Y	123.2	0.00	1.76	0.01	0	0	0	100	0.00	0.0	2.431	0.140	0	0	1	1
PL.49765	PL.49468	C	6 A (CWC)	7.39Y	123.2	0.04	1.80	7.66	5	55	13	97	0.02	0.0	2.399	0.108	0	0	0	7
PL.49766	PL.49765	C	6 A (CWC)	7.39Y	123.2	0.03	1.82	6.22	4	45	10	98	0.01	0.0	2.493	0.094	0	0	0	5
PL.50275	PL.49766	C	6 A (CWC)	7.39Y	123.2	0.00	1.82	0.00	0	0	0	100	0.00	0.0	2.610	0.117	0	0	0	0
PL.49767	PL.49766	C	6 A (CWC)	7.39Y	123.2	0.02	1.84	6.22	4	45	10	98	0.01	0.0	2.576	0.083	10	2	1	5
PL.49768	PL.49767	C	6 A (CWC)	7.39Y	123.1	0.02	1.87	4.79	3	34	8	97	0.01	0.0	2.680	0.104	0	0	0	4
PL.49564	PL.49768	C	6 A (CWC)	7.39Y	123.1	0.01	1.88	4.79	3	34	8	97	0.00	0.0	2.764	0.084	20	5	3	4
PL.49565	PL.49564	C	6 A (CWC)	7.39Y	123.1	0.00	1.88	1.94	1	14	3	98	0.00	0.0	2.802	0.038	14	3	1	1
PL.49724	PL.49564	C	#2 ACSR	7.39Y	123.1	0.00	1.88	0.00	0	0	0	100	0.00	0.0	2.828	0.064	0	0	0	0
PL.49683	PL.49765	C	#4 ACSR	7.39Y	123.2	0.01	1.80	1.43	1	10	2	98	0.00	0.0	2.600	0.201	10	2	2	2
PL.50062	PL.49467	C	#4 ACSR	7.40Y	123.3	0.00	1.68	0.89	1	6	1	99	0.00	0.0	2.146	0.078	6	1	1	1
PL.50276	PL.59718	C	6 A (CWC)	7.41Y	123.5	0.00	1.54	1.25	1	9	2	98	0.00	0.0	1.820	0.089	9	2	1	1
PL.49758	PL.49313	C	6 A (CWC)	7.42Y	123.7	0.00	1.31	0.00	0	0	0	100	0.00	0.0	1.133	0.005	0	0	0	0
PD.7694	PL.49758	C	60QA	7.42Y	123.7	0.00	1.31	0.00	0	0	0	100	0.00	0.0	1.133	0.005	0	0	0	0

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Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.49759	PD.7694	C	6 A (CWC)	7.42Y	123.7	0.00	1.31	0.00	0	0	0	100	0.00	0.0	1.167	0.034	0	0	0	0
PL.49927	PL.49759	C	6 A (CWC)	7.42Y	123.7	0.00	1.31	0.00	0	0	0	100	0.00	0.0	1.198	0.031	0	0	0	0
CP.74	PL.52508	ABC	Cap (300)	7.43Y	123.8	0.00	1.17	0.00	0	0	0	100	0.00	0.0	0.893	0.031	0	0	0	0
PL.49721	PL.50103	C	#4 ACSR	7.43Y	123.8	0.00	1.17	1.41	1	9	5	87	0.00	0.0	0.895	0.003	0	0	0	1
PD.7672	PL.49721	C	60QA	7.43Y	123.8	0.00	1.17	1.41	2	9	5	87	0.00	0.0	0.895	0.003	0	0	0	1
PL.49809	PD.7672	C	#4 ACSR	7.43Y	123.8	0.00	1.17	1.41	1	9	5	87	0.00	0.0	0.911	0.016	9	5	1	1
PL.50077	PL.50103	C	#4 ACSR	7.43Y	123.8	0.00	1.17	3.40	3	25	6	97	0.00	0.0	0.936	0.044	25	6	2	2
PL.50008	PL.50004	C	#4 ACSR	7.43Y	123.9	0.00	1.12	1.43	1	10	2	98	0.00	0.0	0.821	0.004	0	0	0	1
PD.7674	PL.50008	C	60QA	7.43Y	123.9	0.00	1.12	1.43	2	10	2	98	0.00	0.0	0.821	0.004	0	0	0	1
PL.50009	PD.7674	C	#4 ACSR	7.43Y	123.9	0.00	1.12	1.43	1	10	2	98	0.00	0.0	0.852	0.031	10	2	1	1
PL.50010	PL.50004	C	#2 ACSR	7.43Y	123.9	0.00	1.12	1.29	1	9	2	98	0.00	0.0	0.819	0.002	0	0	0	1
PD.7702	PL.50010	C	65QA	7.43Y	123.9	0.00	1.12	1.29	0	9	2	98	0.00	0.0	0.819	0.002	0	0	0	1
PL.50017	PD.7702	C	#2 ACSR	7.43Y	123.9	0.00	1.12	1.29	1	9	2	98	0.00	0.0	0.837	0.018	0	0	0	1
PL.50018	PL.50017	C	#2 ACSR	7.43Y	123.9	0.00	1.12	1.29	1	9	2	98	0.00	0.0	0.864	0.027	9	2	1	1
PL.50428	PL.49542	ABC	#1/0 ACSR	7.44Y	123.9	0.01	1.06	13.79	6	300	70	97	0.02	0.0	0.750	0.043	0	0	0	27
PL.49744	PL.50428	ABC	#1/0 ACSR	7.43Y	123.9	0.02	1.08	13.79	6	300	70	97	0.05	0.0	0.846	0.095	0	0	0	27
PL.50431	PL.49744	C	#1/0 ACSR	7.43Y	123.9	0.00	1.08	5.14	2	37	9	97	0.00	0.0	0.848	0.003	0	0	0	4
PD.7626	PL.50431	C	25QA	7.43Y	123.9	0.00	1.08	5.14	21	37	9	97	0.00	0.0	0.848	0.003	0	0	0	4
PL.50432	PD.7626	C	#1/0 ACSR	7.43Y	123.9	0.00	1.09	5.14	2	37	9	97	0.00	0.0	0.863	0.015	37	9	4	4
PL.49745	PL.49744	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.09	12.08	5	262	61	97	0.01	0.0	0.863	0.017	0	0	0	23
PL.49750	PL.49745	ABC	#1/0 ACSR	7.43Y	123.9	0.01	1.10	12.08	5	262	61	97	0.02	0.0	0.918	0.055	0	0	0	23
PL.50323	PL.49750	ABC	#1/0 ACSR	7.43Y	123.9	0.03	1.13	12.08	5	262	61	97	0.05	0.0	1.056	0.137	0	0	0	23
PL.50437	PL.50323	ABC	#1/0 ACSR	7.43Y	123.9	0.01	1.13	6.67	3	145	34	97	0.01	0.0	1.103	0.047	0	0	0	11
PL.50438	PL.50437	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.14	6.67	3	145	34	97	0.00	0.0	1.146	0.043	22	5	2	11
PL.50439	PL.50438	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.14	5.65	2	123	28	98	0.00	0.0	1.172	0.026	0	0	0	9
PL.50440	PL.50439	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.14	5.65	2	123	28	98	0.00	0.0	1.195	0.023	0	0	0	9
PL.49751	PL.50440	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.15	5.65	2	123	28	98	0.00	0.0	1.222	0.028	0	0	0	9
PL.49930	PL.49751	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.15	5.65	2	123	28	98	0.00	0.0	1.256	0.033	0	0	0	9
PL.49931	PL.49930	ABC	#1/0 ACSR	7.43Y	123.8	0.00	1.15	5.65	2	123	28	98	0.00	0.0	1.289	0.034	0	0	0	9
PL.49995	PL.49931	C	#1/0 ACSR	7.43Y	123.8	0.00	1.15	5.81	3	42	10	97	0.00	0.0	1.291	0.002	0	0	0	4
PD.7623	PL.49995	C	30QA	7.43Y	123.8	0.00	1.15	5.81	19	42	10	97	0.00	0.0	1.291	0.002	0	0	0	4

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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.49996	PD.7623	C	#1/0 ACSR	7.43Y	123.8	0.01	1.16	5.81	3	42	10	97	0.00	0.0	1.346	0.055	0	0	0	4
PL.49975	PL.49996	C	#1/0 ACSR	7.43Y	123.8	0.00	1.16	1.85	1	13	3	97	0.00	0.0	1.386	0.040	13	3	1	1
PL.50447	PL.49996	C	#1/0 ACSR	7.43Y	123.8	0.00	1.16	2.33	1	17	4	97	0.00	0.0	1.374	0.028	0	0	0	1
PL.63692	PL.50447	C	#1/0 ACSR	7.43Y	123.8	0.00	1.16	2.33	1	17	4	97	0.00	0.0	1.407	0.033	17	4	1	1
PL.49689	PL.49996	C	#1/0 ACSR	7.43Y	123.8	0.00	1.16	1.64	1	12	3	97	0.00	0.0	1.372	0.026	12	3	2	2
PL.50269	PL.49931	B	6 A (CWC)	7.43Y	123.8	0.01	1.16	1.64	1	12	3	97	0.00	0.0	1.575	0.286	12	3	1	1
PL.49997	PL.49931	A	6 A (CWC)	7.43Y	123.8	0.00	1.15	9.51	7	69	16	97	0.00	0.0	1.292	0.003	0	0	0	4
PD.7668	PL.49997	A	30QA	7.43Y	123.8	0.00	1.15	9.51	32	69	16	97	0.00	0.0	1.292	0.003	0	0	0	4
PL.49998	PD.7668	A	6 A (CWC)	7.43Y	123.8	0.05	1.20	9.51	7	69	16	97	0.02	0.0	1.414	0.123	17	4	1	4
PL.50000	PL.49998	A	#4 ACSR	7.43Y	123.8	0.01	1.21	4.77	4	35	8	97	0.00	0.0	1.448	0.034	0	0	0	2
PL.50001	PL.50000	A	#4 ACSR	7.43Y	123.8	0.01	1.22	4.77	4	35	8	97	0.00	0.0	1.534	0.085	35	8	2	2
PL.49999	PL.49998	A	6 A (CWC)	7.43Y	123.8	0.00	1.20	2.37	2	17	4	97	0.00	0.0	1.463	0.049	17	4	1	1
PL.49981	PL.50323	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.13	0.90	0	19	5	97	0.00	0.0	1.089	0.033	19	5	1	1
PL.50435	PL.49981	A	#2 ACSR	7.43Y	123.9	0.00	1.13	0.00	0	0	0	100	0.00	0.0	1.091	0.003	0	0	0	0
PD.7661	PL.50435	A	25QA	7.43Y	123.9	0.00	1.13	0.00	0	0	0	100	0.00	0.0	1.091	0.003	0	0	0	0
PL.50436	PD.7661	A	#2 ACSR	7.43Y	123.9	0.00	1.13	0.00	0	0	0	100	0.00	0.0	1.111	0.020	0	0	0	0
PL.50434	PL.50436	A	#2 ACSR	7.43Y	123.9	0.00	1.13	0.00	0	0	0	100	0.00	0.0	1.139	0.027	0	0	0	0
PL.50433	PL.50434	A	#2 ACSR	7.43Y	123.9	0.00	1.13	0.00	0	0	0	100	0.00	0.0	1.167	0.028	0	0	0	0
PL.50443	PL.50323	C	6 A (CWC)	7.43Y	123.9	0.00	1.13	13.54	10	98	23	97	0.00	0.0	1.058	0.003	0	0	0	11
PD.7624	PL.50443	C	60QA	7.43Y	123.9	0.00	1.13	13.54	23	98	23	97	0.00	0.0	1.058	0.003	0	0	0	11
PL.50444	PD.7624	C	6 A (CWC)	7.43Y	123.8	0.03	1.16	13.54	10	98	23	97	0.02	0.0	1.115	0.056	11	2	1	11
PL.50441	PL.50444	C	6 A (CWC)	7.43Y	123.8	0.02	1.18	12.07	9	87	20	97	0.01	0.0	1.157	0.042	10	2	1	10
PL.50442	PL.50441	C	6 A (CWC)	7.43Y	123.8	0.01	1.19	7.98	6	58	13	98	0.00	0.0	1.185	0.029	33	8	2	6
PL.50445	PL.50442	C	6 A (CWC)	7.43Y	123.8	0.01	1.20	3.47	2	25	6	97	0.00	0.0	1.235	0.050	14	3	2	4
PL.50446	PL.50445	C	6 A (CWC)	7.43Y	123.8	0.00	1.20	1.51	1	11	3	96	0.00	0.0	1.272	0.037	1	0	1	2
PL.49692	PL.50446	C	#2 ACSR	7.43Y	123.8	0.00	1.20	1.33	1	10	2	98	0.00	0.0	1.343	0.071	10	2	1	1
PL.50117	PL.50441	C	6 A (CWC)	7.43Y	123.8	0.00	1.19	2.67	2	19	4	98	0.00	0.0	1.193	0.037	19	4	3	3
PL.49756	PL.50428	C	#2 ACSR	7.44Y	123.9	0.00	1.06	0.00	0	0	0	100	0.00	0.0	0.753	0.002	0	0	0	0
PD.7625	PL.49756	C	25QA	7.44Y	123.9	0.00	1.06	0.00	0	0	0	100	0.00	0.0	0.753	0.002	0	0	0	0
PL.49757	PD.7625	C	#2 ACSR	7.44Y	123.9	0.00	1.06	0.00	0	0	0	100	0.00	0.0	0.785	0.032	0	0	0	0
PL.50429	PL.49541	ABC	#4 ACSR	7.44Y	124.0	0.00	0.97	0.24	0	5	2	93	0.00	0.0	0.610	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: Maretburg

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.7653	PL.50429	ABC	60QA	7.44Y	124.0	0.00	0.97	0.24	0	5	2	93	0.00	0.0	0.610	0.003	0	0	0	1
PL.50430	PD.7653	ABC	#4 ACSR	7.44Y	124.0	0.00	0.97	0.24	0	5	2	93	0.00	0.0	0.627	0.018	5	2	1	1
PL.51978	PL.49539	C	6 A (CWC)	7.44Y	124.1	0.00	0.93	1.04	1	8	2	97	0.00	0.0	0.547	0.003	0	0	0	1
PD.7961	PL.51978	C	25QA	7.44Y	124.1	0.00	0.93	1.04	4	8	2	97	0.00	0.0	0.547	0.003	0	0	0	1
PL.51979	PD.7961	C	6 A (CWC)	7.44Y	124.1	0.00	0.93	1.04	1	8	2	97	0.00	0.0	0.558	0.011	0	0	0	1
PL.49540	PL.51979	C	6 A (CWC)	7.44Y	124.1	0.00	0.93	1.04	1	8	2	97	0.00	0.0	0.631	0.074	8	2	1	1
PL.50089	PL.50052	ABC	336 MCM AC	7.45Y	124.2	0.02	0.85	51.25	10	1112	273	97	0.12	0.0	0.468	0.053	0	0	0	127
PL.59610	PL.50089	ABC	336 MCM AC	7.45Y	124.2	0.00	0.85	51.25	10	1112	273	97	0.01	0.0	0.471	0.002	0	0	0	127
PD.8802	PL.59610	ABC	70L	7.45Y	124.2	0.00	0.85	51.25	73	1112	273	97	0.00	0.0	0.471	0.002	0	0	0	127
PL.60868	PD.8802	ABC	336 MCM AC	7.43Y	123.9	0.26	1.11	51.25	10	1112	273	97	1.56	0.1	1.182	0.711	11	2	1	127
PL.60869	PL.60868	ABC	336 MCM AC	7.42Y	123.6	0.25	1.36	50.76	10	1100	267	97	1.51	0.1	1.880	0.698	0	0	0	126
PL.52668	PL.60869	ABC	336 MCM AC	7.41Y	123.6	0.08	1.44	50.76	10	1099	263	97	0.49	0.0	2.104	0.224	0	0	0	126
PL.49870	PL.52668	ABC	336 MCM AC	7.41Y	123.4	0.12	1.56	50.76	10	1098	262	97	0.75	0.1	2.450	0.346	0	0	0	126
PL.49441	PL.49870	ABC	336 MCM AC	7.40Y	123.4	0.05	1.61	50.76	10	1097	260	97	0.30	0.0	2.588	0.139	0	0	0	126
PL.49571	PL.49441	A	6 A (CWC)	7.40Y	123.4	0.01	1.62	4.45	3	32	7	98	0.00	0.0	2.652	0.064	20	5	2	3
PL.47069	PL.49571	A	6 A (CWC)	7.40Y	123.4	0.00	1.62	1.69	1	12	3	97	0.00	0.0	2.654	0.002	0	0	0	1
PD.7686	PL.47069	A	60QA	7.40Y	123.4	0.00	1.62	1.69	3	12	3	97	0.00	0.0	2.654	0.002	0	0	0	1
PL.47070	PD.7686	A	6 A (CWC)	7.40Y	123.4	0.00	1.63	1.69	1	12	3	97	0.00	0.0	2.724	0.070	12	3	1	1
PL.49868	PL.49441	ABC	336 MCM AC	7.40Y	123.4	0.03	1.64	43.63	8	943	224	97	0.15	0.0	2.682	0.093	0	0	0	110
PL.52267	PL.49868	C	6 A (CWC)	7.40Y	123.4	0.00	1.64	1.51	1	11	3	96	0.00	0.0	2.683	0.001	0	0	0	2
PD.7968	PL.52267	C	25QA	7.40Y	123.4	0.00	1.64	1.51	6	11	3	96	0.00	0.0	2.683	0.001	0	0	0	2
PL.52268	PD.7968	C	6 A (CWC)	7.40Y	123.4	0.00	1.64	1.51	1	11	3	96	0.00	0.0	2.754	0.072	11	3	2	2
PL.49869	PL.49868	ABC	336 MCM AC	7.39Y	123.2	0.15	1.79	43.13	8	932	221	97	0.75	0.1	3.160	0.478	0	0	0	108
PL.51823	PL.49869	B	#4 ACSR	7.39Y	123.2	0.01	1.80	10.24	8	74	17	97	0.01	0.0	3.184	0.024	0	0	0	12
PD.7935	PL.51823	B	50L	7.39Y	123.2	0.00	1.80	10.24	20	74	17	97	0.00	0.0	3.184	0.024	0	0	0	12
PL.51824	PD.7935	B	#4 ACSR	7.39Y	123.2	0.00	1.80	10.24	8	74	17	97	0.00	0.0	3.185	0.001	0	0	0	12
PL.51822	PL.51824	B	#4 ACSR	7.39Y	123.2	0.00	1.80	0.00	0	0	0	100	0.00	0.0	3.222	0.037	0	0	0	0
PL.49749	PL.51824	B	#4 ACSR	7.39Y	123.1	0.08	1.88	10.24	8	74	17	97	0.04	0.1	3.365	0.180	4	1	1	12
PL.49546	PL.49749	B	#4 ACSR	7.38Y	123.1	0.04	1.92	9.73	7	70	16	97	0.02	0.0	3.461	0.096	0	0	0	11
PL.49547	PL.49546	B	#4 ACSR	7.38Y	123.0	0.05	1.97	9.73	7	70	16	97	0.03	0.0	3.579	0.118	0	0	0	11
PL.49469	PL.49547	B	#4 ACSR	7.38Y	123.0	0.00	1.97	0.00	0	0	0	100	0.00	0.0	3.663	0.085	0	0	0	0

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Balanced Voltage Drop Report
Source: Maretburg

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.60772	PL.49547	B	6 A (CWC)	7.38Y	123.0	0.07	2.04	9.73	7	70	16	97	0.04	0.1	3.746	0.167	0	0	1	11
PL.60774	PL.60772	B	6 A (CWC)	7.37Y	122.9	0.05	2.10	4.61	3	33	8	97	0.01	0.0	4.025	0.279	5	1	1	5
PL.49878	PL.60774	B	6 A (CWC)	7.37Y	122.9	0.02	2.12	3.98	3	29	7	97	0.00	0.0	4.129	0.105	0	0	0	4
PL.49879	PL.49878	B	6 A (CWC)	7.37Y	122.9	0.01	2.13	3.98	3	29	7	97	0.00	0.0	4.197	0.067	0	0	0	4
PL.49880	PL.49879	B	6 A (CWC)	7.37Y	122.9	0.00	2.13	3.47	2	25	6	97	0.00	0.0	4.226	0.029	12	3	1	3
PL.49549	PL.49880	B	6 A (CWC)	7.37Y	122.9	0.01	2.14	1.85	1	13	3	97	0.00	0.0	4.318	0.092	0	0	0	2
PL.49882	PL.49549	B	6 A (CWC)	7.37Y	122.8	0.01	2.15	1.85	1	13	3	97	0.00	0.0	4.463	0.145	0	0	0	2
PL.49884	PL.49882	B	#4 ACSR	7.37Y	122.8	0.00	2.15	1.85	1	13	3	97	0.00	0.0	4.508	0.045	13	3	1	2
PL.49885	PL.49884	B	#4 ACSR	7.37Y	122.8	0.00	2.15	0.09	0	1	0	100	0.00	0.0	4.553	0.045	1	0	1	1
PL.49883	PL.49882	B	6 A (CWC)	7.37Y	122.8	0.00	2.15	0.00	0	0	0	100	0.00	0.0	4.597	0.134	0	0	0	0
PL.49881	PL.49879	B	6 A (CWC)	7.37Y	122.9	0.01	2.13	0.50	0	4	1	97	0.00	0.0	4.435	0.239	0	0	0	1
PL.60867	PL.49881	B	6 A (CWC)	7.37Y	122.9	0.00	2.14	0.50	0	4	1	97	0.00	0.0	4.640	0.205	4	1	1	1
PL.60771	PL.60772	B	#4 ACSR	7.38Y	122.9	0.01	2.06	1.86	1	13	3	97	0.00	0.0	3.895	0.149	0	0	0	2
PL.49722	PL.60771	B	#4 ACSR	7.38Y	122.9	0.02	2.07	1.86	1	13	3	97	0.00	0.0	4.153	0.259	7	2	1	2
PL.49723	PL.49722	B	#4 ACSR	7.38Y	122.9	0.00	2.07	0.85	1	6	1	99	0.00	0.0	4.339	0.186	6	1	1	1
PL.60773	PL.60772	B	#4 ACSR	7.38Y	122.9	0.01	2.05	3.25	2	23	5	98	0.00	0.0	3.843	0.097	12	3	1	3
PL.49548	PL.60773	B	#4 ACSR	7.38Y	122.9	0.00	2.06	1.53	1	11	3	96	0.00	0.0	3.937	0.094	11	3	2	2
PL.49715	PL.49869	ABC	#1/0 ACSR	7.39Y	123.1	0.06	1.85	39.72	17	857	202	97	0.38	0.0	3.252	0.092	11	3	1	96
PL.49716	PL.49715	ABC	#1/0 ACSR	7.38Y	123.1	0.09	1.94	39.19	17	846	199	97	0.51	0.1	3.380	0.128	33	8	2	95
PL.49714	PL.49716	ABC	#1/0 ACSR	7.38Y	123.0	0.02	1.96	37.67	16	812	191	97	0.14	0.0	3.417	0.038	0	0	1	93
PL.49713	PL.49714	ABC	#1/0 ACSR	7.38Y	122.9	0.10	2.06	37.67	16	812	191	97	0.55	0.1	3.565	0.148	13	3	1	92
PL.59611	PL.49713	C	6 A (CWC)	7.37Y	122.9	0.07	2.13	68.24	49	490	115	97	0.24	0.0	3.587	0.021	0	0	0	56
PL.59612	PL.59611	C	6 A (CWC)	7.37Y	122.9	0.01	2.13	68.24	49	490	115	97	0.03	0.0	3.589	0.003	0	0	0	56
C PD.8803	PL.59612	C	50L	7.37Y	122.9	0.00	2.13	68.24	136	490	115	97	0.00	0.0	3.589	0.003	0	0	0	56 C
PL.59613	PD.8803	C	6 A (CWC)	7.36Y	122.7	0.12	2.25	68.24	49	490	115	97	0.42	0.1	3.627	0.038	22	5	2	56
PL.49711	PL.59613	C	6 A (CWC)	7.35Y	122.5	0.28	2.53	63.72	46	457	107	97	0.96	0.2	3.725	0.098	0	0	0	53
PL.49712	PL.49711	C	6 A (CWC)	7.34Y	122.4	0.10	2.63	20.79	15	149	35	97	0.11	0.1	3.831	0.106	4	1	1	15
PL.49971	PL.49712	C	6 A (CWC)	7.34Y	122.4	0.01	2.64	7.47	5	53	12	98	0.00	0.0	3.881	0.050	20	5	2	6
PL.50099	PL.49971	C	6 A (CWC)	7.34Y	122.4	0.01	2.65	4.61	3	33	8	97	0.00	0.0	3.918	0.036	8	2	1	4
PL.50100	PL.50099	C	6 A (CWC)	7.34Y	122.3	0.00	2.65	3.54	3	25	6	97	0.00	0.0	3.953	0.036	25	6	3	3
PL.60783	PL.49712	C	6 A (CWC)	7.34Y	122.3	0.03	2.66	12.76	9	91	21	97	0.02	0.0	3.884	0.053	8	2	1	8

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Balanced Voltage Drop Report
Source: Maretburg

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.60784	PL.60783	C	6 A (CWC)	7.34Y	122.3	0.02	2.68	11.58	8	83	19	97	0.01	0.0	3.939	0.054	28	6	1	7
PL.49970	PL.60784	C	6 A (CWC)	7.34Y	122.3	0.00	2.68	1.45	1	10	2	98	0.00	0.0	4.000	0.061	10	2	3	3
PL.63958	PL.60784	C	#4 ACSR	7.34Y	122.3	0.00	2.69	6.26	5	45	10	98	0.00	0.0	3.953	0.014	0	0	0	3
PL.64523	PL.63958	C	#4 ACSR	7.34Y	122.3	0.01	2.69	6.26	5	45	10	98	0.00	0.0	3.978	0.025	19	4	1	3
PL.64524	PL.64523	C	#4 ACSR	7.34Y	122.3	0.00	2.70	3.60	3	26	6	97	0.00	0.0	4.039	0.061	26	6	2	2
PL.49717	PL.49711	C	6 A (CWC)	7.34Y	122.3	0.20	2.73	42.93	31	307	72	97	0.47	0.2	3.830	0.105	0	0	0	38
PL.49610	PL.49717	C	#4 ACSR	7.34Y	122.3	0.00	2.74	1.65	1	12	3	97	0.00	0.0	3.883	0.053	12	3	1	1
PL.49556	PL.49717	C	6 A (CWC)	7.33Y	122.1	0.14	2.87	41.28	29	295	69	97	0.31	0.1	3.904	0.074	0	0	0	37
PL.49557	PL.49556	C	6 A (CWC)	7.32Y	122.0	0.15	3.02	39.14	28	279	65	97	0.32	0.1	3.989	0.085	0	0	0	36
PL.50073	PL.49557	C	6 A (CWC)	7.31Y	121.9	0.09	3.11	30.66	22	218	51	97	0.14	0.1	4.052	0.063	1	0	1	30
PL.59299	PL.50073	C	6 A (CWC)	7.31Y	121.9	0.00	3.11	27.77	20	198	46	97	0.00	0.0	4.055	0.003	0	0	0	28
PD.8776	PL.59299	C	25T	7.31Y	121.9	0.00	3.11	27.77	0	198	46	97	0.00	0.0	4.055	0.003	0	0	0	28
PL.59300	PD.8776	C	6 A (CWC)	7.29Y	121.6	0.33	3.45	27.77	20	198	46	97	0.49	0.3	4.319	0.264	0	0	0	28
PL.49600	PL.59300	C	6 A (CWC)	7.29Y	121.5	0.09	3.53	27.09	19	192	45	97	0.13	0.1	4.391	0.072	0	0	1	27
PL.50271	PL.49600	C	6 A (CWC)	7.29Y	121.5	0.00	3.54	1.71	1	12	3	97	0.00	0.0	4.430	0.038	12	3	1	1
PL.49764	PL.49600	C	6 A (CWC)	7.29Y	121.5	0.00	3.54	1.52	1	11	3	96	0.00	0.0	4.482	0.091	11	3	1	1
PL.49601	PL.49600	C	6 A (CWC)	7.27Y	121.2	0.22	3.75	23.85	17	169	39	97	0.28	0.2	4.593	0.201	0	0	0	24
PL.50105	PL.49601	C	6 A (CWC)	7.27Y	121.2	0.07	3.82	19.93	14	141	33	97	0.08	0.1	4.671	0.079	0	0	0	21
PL.49603	PL.50105	C	6 A (CWC)	7.27Y	121.1	0.07	3.89	16.92	12	120	28	97	0.06	0.0	4.765	0.094	22	5	2	20
PL.49604	PL.49603	C	6 A (CWC)	7.26Y	121.0	0.09	3.97	13.75	10	97	23	97	0.06	0.1	4.906	0.141	5	1	1	18
PL.49605	PL.49604	C	6 A (CWC)	7.26Y	121.0	0.04	4.01	13.06	9	92	21	97	0.03	0.0	4.978	0.072	0	0	0	17
PL.49775	PL.49605	C	#4 ACSR	7.26Y	121.0	0.01	4.02	2.51	2	18	4	98	0.00	0.0	5.047	0.069	0	0	0	4
PL.63665	PL.49775	C	#1/0 ACSR	7.26Y	121.0	0.00	4.02	2.51	1	18	4	98	0.00	0.0	5.079	0.032	7	2	2	4
PL.63666	PL.63665	C	#1/0 ACSR	7.26Y	121.0	0.00	4.03	1.56	1	11	3	96	0.00	0.0	5.136	0.057	0	0	0	2
PL.63667	PL.63666	C	#1/0 ACSR	7.26Y	121.0	0.00	4.03	1.56	1	11	3	96	0.00	0.0	5.165	0.029	11	3	2	2
PL.60792	PL.49605	C	6 A (CWC)	7.26Y	121.0	0.02	4.04	10.55	8	75	17	98	0.01	0.0	5.034	0.056	11	3	1	13
PL.60793	PL.60792	C	6 A (CWC)	7.26Y	120.9	0.01	4.05	8.96	6	63	15	97	0.01	0.0	5.064	0.030	5	1	1	12
PL.49606	PL.60793	C	6 A (CWC)	7.26Y	120.9	0.02	4.07	8.26	6	58	14	97	0.01	0.0	5.109	0.045	0	0	0	11
PL.50499	PL.49606	C	6 A (CWC)	7.25Y	120.9	0.02	4.09	8.26	6	58	14	97	0.01	0.0	5.182	0.073	14	3	1	11
PL.49806	PL.50499	C	#4 ACSR	7.25Y	120.9	0.00	4.09	0.00	0	0	0	100	0.00	0.0	5.218	0.036	0	0	1	1
PL.49684	PL.50499	C	#2 ACSR	7.25Y	120.9	0.00	4.09	1.42	1	10	2	98	0.00	0.0	5.209	0.027	10	2	2	2

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Balanced Voltage Drop Report
Source: Maretburg

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.50500	PL.50499	C	6 A (CWC)	7.25Y	120.9	0.01	4.10	4.93	4	35	8	97	0.00	0.0	5.212	0.030	10	2	1	7
PL.50501	PL.50500	C	6 A (CWC)	7.25Y	120.9	0.01	4.11	3.50	3	25	6	97	0.00	0.0	5.286	0.074	7	2	1	6
PL.49470	PL.50501	C	#2 ACSR	7.25Y	120.9	0.00	4.11	0.81	0	6	1	99	0.00	0.0	5.335	0.049	6	1	1	1
PL.50502	PL.50501	C	6 A (CWC)	7.25Y	120.9	0.00	4.11	1.74	1	12	3	97	0.00	0.0	5.325	0.039	0	0	0	4
PL.49719	PL.50502	C	#2 ACSR	7.25Y	120.9	0.00	4.11	1.74	1	12	3	97	0.00	0.0	5.345	0.020	12	3	1	1
PL.50503	PL.50502	C	6 A (CWC)	7.25Y	120.9	0.00	4.11	0.00	0	0	0	100	0.00	0.0	5.362	0.037	0	0	1	3
PL.50504	PL.50503	C	6 A (CWC)	7.25Y	120.9	0.00	4.11	0.00	0	0	0	100	0.00	0.0	5.465	0.103	0	0	1	2
PL.60782	PL.50504	C	#2 ACSR	7.25Y	120.9	0.00	4.11	0.00	0	0	0	100	0.00	0.0	5.552	0.086	0	0	1	1
PL.50505	PL.50504	C	6 A (CWC)	7.25Y	120.9	0.00	4.11	0.00	0	0	0	100	0.00	0.0	5.528	0.063	0	0	0	0
PL.50107	PL.49603	C	#2 ACSR	7.27Y	121.1	0.00	3.89	0.00	0	0	0	100	0.00	0.0	4.864	0.099	0	0	0	0
PL.60334	PL.50105	C	#4 ACSR	7.27Y	121.2	0.00	3.82	3.01	2	21	5	97	0.00	0.0	4.696	0.025	0	0	0	1
PL.60335	PL.60334	C	#4 ACSR	7.27Y	121.2	0.00	3.83	3.01	2	21	5	97	0.00	0.0	4.738	0.042	21	5	1	1
PL.50140	PL.49601	C	#2 ACSR	7.27Y	121.2	0.00	3.75	1.74	1	12	3	97	0.00	0.0	4.681	0.088	12	3	1	1
PL.50104	PL.49601	C	#4 ACSR	7.27Y	121.2	0.00	3.75	2.18	2	15	4	97	0.00	0.0	4.654	0.061	15	4	2	2
PL.49602	PL.59300	C	6 A (CWC)	7.29Y	121.5	0.01	3.46	0.68	0	5	1	98	0.00	0.0	4.651	0.332	0	0	0	1
PL.57735	PL.49602	C	6 A (CWC)	7.29Y	121.5	0.00	3.46	0.68	0	5	1	98	0.00	0.0	4.749	0.097	5	1	1	1
PL.57736	PL.57735	C	6 A (CWC)	7.29Y	121.5	0.00	3.46	0.00	0	0	0	100	0.00	0.0	4.751	0.003	0	0	0	0
PL.49725	PL.50073	C	6 A (CWC)	7.31Y	121.9	0.00	3.11	2.80	2	20	5	97	0.00	0.0	4.086	0.034	20	5	1	1
PL.49558	PL.49557	C	6 A (CWC)	7.32Y	122.0	0.03	3.05	8.48	6	60	14	97	0.01	0.0	4.057	0.067	0	0	0	6
PL.49544	PL.49558	C	6 A (CWC)	7.31Y	121.9	0.04	3.09	8.48	6	60	14	97	0.02	0.0	4.180	0.123	9	2	1	6
PL.49545	PL.49544	C	6 A (CWC)	7.31Y	121.9	0.00	3.10	5.49	4	39	9	97	0.00	0.0	4.210	0.031	39	9	3	3
PL.49992	PL.49544	C	#2 ACSR	7.31Y	121.9	0.00	3.09	1.73	1	12	3	97	0.00	0.0	4.211	0.032	12	3	2	2
PL.49978	PL.49558	C	6 A (CWC)	7.32Y	122.0	0.00	3.05	0.00	0	0	0	100	0.00	0.0	4.115	0.059	0	0	0	0
PL.50386	PL.49556	C	#2 ACSR	7.33Y	122.1	0.00	2.88	2.14	1	15	4	97	0.00	0.0	3.943	0.039	0	0	0	1
PL.50387	PL.50386	C	#2 ACSR	7.33Y	122.1	0.00	2.88	2.14	1	15	4	97	0.00	0.0	3.944	0.000	15	4	1	1
PL.50066	PL.59613	C	#4 ACSR	7.36Y	122.7	0.00	2.25	1.39	1	10	2	98	0.00	0.0	3.661	0.033	10	2	1	1
PL.57749	PL.49713	A	6 A (CWC)	7.38Y	122.9	0.01	2.07	6.26	4	45	10	98	0.00	0.0	3.623	0.058	19	5	1	2
PL.57750	PL.57749	A	6 A (CWC)	7.38Y	122.9	0.00	2.08	3.55	3	26	6	97	0.00	0.0	3.668	0.045	26	6	1	1
PL.49709	PL.49713	A	6 A (CWC)	7.38Y	122.9	0.00	2.07	36.68	26	263	62	97	0.01	0.0	3.568	0.003	0	0	0	33
PD.7724	PL.49709	A	50L	7.38Y	122.9	0.00	2.07	36.68	73	263	62	97	0.00	0.0	3.568	0.003	0	0	0	33
PL.49710	PD.7724	A	6 A (CWC)	7.36Y	122.7	0.21	2.28	36.68	26	263	62	97	0.42	0.2	3.698	0.130	0	0	0	33

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Balanced Voltage Drop Report
Source: Maretburg

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.50212	PL.49710	A	6 A (CWC)	7.36Y	122.7	0.01	2.29	27.24	19	195	46	97	0.01	0.0	3.704	0.006	0	0	0	26
C PD.7719	PL.50212	A	35H	7.36Y	122.7	0.00	2.29	27.24	78	195	46	97	0.00	0.0	3.704	0.006	0	0	0	26 C
PL.49663	PD.7719	A	6 A (CWC)	7.35Y	122.6	0.16	2.45	27.24	19	195	46	97	0.23	0.1	3.835	0.131	8	2	1	26
PL.50143	PL.49663	A	6 A (CWC)	7.35Y	122.5	0.06	2.51	26.13	19	187	44	97	0.09	0.0	3.888	0.054	0	0	0	25
PL.50280	PL.50143	A	6 A (CWC)	7.34Y	122.3	0.16	2.67	26.13	19	187	44	97	0.22	0.1	4.022	0.134	0	0	0	25
PL.50144	PL.50280	A	6 A (CWC)	7.34Y	122.3	0.01	2.67	26.13	19	187	43	97	0.01	0.0	4.028	0.006	0	0	0	25
RG.52	PL.50144	A	76.2 KVA	7.48Y	124.7	-2.34	0.34	26.13	26	187	43	97	percent Boost= 1.88 Tap= 3.0			0	0	0	25	
PL.50211	RG.52	A	6 A (CWC)	7.48Y	124.6	0.08	0.42	25.64	18	187	43	97	0.11	0.1	4.097	0.069	0	0	0	25
PL.49695	PL.50211	A	6 A (CWC)	7.46Y	124.3	0.30	0.72	22.91	16	167	39	97	0.37	0.2	4.393	0.296	4	1	1	22
PL.49703	PL.49695	A	6 A (CWC)	7.45Y	124.2	0.11	0.83	22.33	16	162	38	97	0.13	0.1	4.501	0.108	0	0	0	21
PL.49704	PL.49703	A	6 A (CWC)	7.45Y	124.1	0.08	0.91	22.33	16	162	37	97	0.09	0.1	4.590	0.089	27	6	3	21
PL.49598	PL.49704	A	6 A (CWC)	7.44Y	124.1	0.04	0.95	18.65	13	135	31	97	0.04	0.0	4.635	0.045	0	0	0	18
PL.49485	PL.49598	A	6 A (CWC)	7.44Y	124.0	0.03	0.98	15.96	11	116	27	97	0.02	0.0	4.678	0.044	21	5	1	16
PL.49486	PL.49485	A	6 A (CWC)	7.44Y	124.0	0.07	1.05	13.04	9	95	22	97	0.05	0.1	4.802	0.124	0	0	0	15
PL.49487	PL.49486	A	6 A (CWC)	7.43Y	123.9	0.04	1.09	11.14	8	81	19	97	0.02	0.0	4.878	0.076	0	0	0	14
PL.49488	PL.49487	A	6 A (CWC)	7.43Y	123.9	0.05	1.14	9.32	7	68	16	97	0.03	0.0	5.006	0.128	0	0	1	13
PL.49489	PL.49488	A	6 A (CWC)	7.43Y	123.8	0.03	1.17	8.72	6	63	14	98	0.01	0.0	5.084	0.078	4	1	1	11
PL.60789	PL.49489	A	6 A (CWC)	7.43Y	123.8	0.01	1.18	1.97	1	14	3	98	0.00	0.0	5.174	0.090	0	0	1	5
PL.60788	PL.60789	A	6 A (CWC)	7.43Y	123.8	0.01	1.19	1.96	1	14	3	98	0.00	0.0	5.259	0.085	0	0	1	4
PL.50135	PL.60788	A	6 A (CWC)	7.43Y	123.8	0.02	1.21	1.95	1	14	3	98	0.00	0.0	5.489	0.231	0	0	0	3
PL.49705	PL.50135	A	6 A (CWC)	7.43Y	123.8	0.01	1.22	1.38	1	10	2	98	0.00	0.0	5.651	0.162	0	0	0	2
PL.49706	PL.49705	A	6 A (CWC)	7.43Y	123.8	0.00	1.22	0.01	0	0	0	100	0.00	0.0	5.772	0.121	0	0	1	1
PL.52264	PL.49706	A	6 A (CWC)	7.43Y	123.8	0.00	1.22	0.00	0	0	0	100	0.00	0.0	5.774	0.002	0	0	0	0
PD.7966-B	PL.52264	A	Open	7.43Y	123.8	0.00	1.22	0.00	0	0	0	100	0.00	0.0	5.774	0.002	0	0	0	0
PL.49707	PL.49705	A	6 A (CWC)	7.43Y	123.8	0.00	1.22	1.37	1	10	2	98	0.00	0.0	5.661	0.010	0	0	0	1
PD.7680	PL.49707	A	25QA	7.43Y	123.8	0.00	1.22	1.37	5	10	2	98	0.00	0.0	5.661	0.010	0	0	0	1
PL.49708	PD.7680	A	6 A (CWC)	7.43Y	123.8	0.01	1.22	1.37	1	10	2	98	0.00	0.0	5.904	0.243	10	2	1	1
PL.50279	PL.50135	A	#2 ACSR	7.43Y	123.8	0.00	1.21	0.57	0	4	1	97	0.00	0.0	5.573	0.084	4	1	1	1
PL.50384	PL.49489	A	6 A (CWC)	7.43Y	123.8	0.04	1.21	6.26	4	45	10	98	0.01	0.0	5.241	0.157	12	3	1	5
PL.50385	PL.50384	A	6 A (CWC)	7.43Y	123.8	0.01	1.22	4.62	3	33	8	97	0.00	0.0	5.287	0.046	0	0	0	4
PL.49481	PL.50385	A	6 A (CWC)	7.43Y	123.8	0.00	1.22	0.00	0	0	0	100	0.00	0.0	5.324	0.037	0	0	0	0

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Balanced Voltage Drop Report
Source: Maretburg

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.49482	PL.49481	A	6 A (CWC)	7.43Y	123.8	0.00	1.22	0.00	0	0	0	100	0.00	0.0	5.505	0.181	0	0	0	0
PL.49483	PL.50385	A	6 A (CWC)	7.42Y	123.7	0.04	1.26	4.62	3	33	8	97	0.01	0.0	5.465	0.178	0	0	0	4
PL.49484	PL.49483	A	6 A (CWC)	7.42Y	123.7	0.00	1.26	2.17	2	16	4	97	0.00	0.0	5.517	0.052	16	4	1	1
PL.50087	PL.49483	A	#4 ACSR	7.42Y	123.7	0.01	1.26	2.44	2	18	4	98	0.00	0.0	5.541	0.077	1	0	1	2
PL.63817	PL.50087	A	#1/0 ACSR	7.42Y	123.7	0.00	1.27	2.35	1	17	4	97	0.00	0.0	5.619	0.078	17	4	1	1
PL.66147	PL.49483	A	#1/0 ACSR	7.42Y	123.7	-0.00	1.26	0.02	0	0	0	100	0.00	0.0	5.539	0.074	0	0	0	1
PL.66148	PL.66147	A	1/0 AL URD	7.42Y	123.7	0.00	1.26	0.02	0	0	0	100	0.00	0.0	5.580	0.042	0	0	1	1
PL.49607	PL.49488	A	#1/0 ACSR	7.43Y	123.9	0.00	1.14	0.57	0	4	1	97	0.00	0.0	5.145	0.138	4	1	1	1
PL.49991	PL.49487	A	#1/0 ACSR	7.43Y	123.9	0.00	1.09	1.82	1	13	3	97	0.00	0.0	4.923	0.045	13	3	1	1
PL.49977	PL.49486	A	#1/0 ACSR	7.44Y	123.9	0.00	1.05	1.90	1	14	3	98	0.00	0.0	4.949	0.147	14	3	1	1
PL.49479	PL.49598	A	#2 ACSR	7.44Y	124.0	0.00	0.95	2.69	2	20	5	97	0.00	0.0	4.680	0.045	4	1	1	2
PL.49480	PL.49479	A	#2 ACSR	7.44Y	124.0	0.00	0.95	2.18	1	16	4	97	0.00	0.0	4.734	0.054	16	4	1	1
PL.49608	PL.49703	A	6 A (CWC)	7.45Y	124.2	0.00	0.83	0.00	0	0	0	100	0.00	0.0	4.579	0.078	0	0	0	0
PL.49993	PL.49703	A	6 A (CWC)	7.45Y	124.2	0.00	0.83	0.00	0	0	0	100	0.00	0.0	4.572	0.071	0	0	0	0
PL.64693	PL.49703	A	6 A (CWC)	7.45Y	124.2	0.00	0.83	0.00	0	0	0	100	0.00	0.0	4.632	0.131	0	0	0	0
PL.64694	PL.64693	A	6 A (CWC)	7.45Y	124.2	0.00	0.83	0.00	0	0	0	100	0.00	0.0	4.759	0.127	0	0	0	0
PL.49664	PL.50211	A	6 A (CWC)	7.47Y	124.6	0.01	0.42	2.73	2	20	5	97	0.00	0.0	4.145	0.048	0	0	0	3
PL.49701	PL.49664	A	6 A (CWC)	7.47Y	124.6	0.01	0.43	1.47	1	11	2	98	0.00	0.0	4.287	0.142	2	0	1	2
PL.49702	PL.49701	A	6 A (CWC)	7.47Y	124.6	0.00	0.43	1.21	1	9	2	98	0.00	0.0	4.389	0.101	9	2	1	1
PL.50231	PL.49664	A	6 A (CWC)	7.47Y	124.6	0.00	0.42	1.26	1	9	2	98	0.00	0.0	4.222	0.077	9	2	1	1
PL.50102	PL.49663	A	6 A (CWC)	7.35Y	122.6	0.00	2.45	0.00	0	0	0	100	0.00	0.0	3.906	0.071	0	0	0	0
PL.50125	PL.49710	A	6 A (CWC)	7.36Y	122.6	0.08	2.36	6.45	5	46	11	97	0.03	0.1	3.984	0.287	0	0	0	5
PL.49696	PL.50125	A	6 A (CWC)	7.36Y	122.6	0.04	2.40	6.33	5	45	11	97	0.01	0.0	4.119	0.134	0	0	0	4
PL.49697	PL.49696	A	6 A (CWC)	7.35Y	122.6	0.03	2.43	6.33	5	45	11	97	0.01	0.0	4.241	0.122	20	5	1	4
PL.50228	PL.49697	A	#2 ACSR	7.35Y	122.6	0.00	2.43	0.00	0	0	0	100	0.00	0.0	4.331	0.090	0	0	1	1
PL.49698	PL.49697	A	6 A (CWC)	7.35Y	122.5	0.03	2.46	3.55	3	25	6	97	0.00	0.0	4.398	0.157	0	0	0	2
PL.49699	PL.49698	A	6 A (CWC)	7.35Y	122.5	0.02	2.48	3.55	3	25	6	97	0.00	0.0	4.589	0.190	14	3	1	2
PL.49700	PL.49699	A	6 A (CWC)	7.35Y	122.5	0.00	2.48	0.00	0	0	0	100	0.00	0.0	4.656	0.067	0	0	0	0
PL.50316	PL.49699	A	#1/0 ACSR	7.35Y	122.5	0.00	2.48	1.62	1	12	3	97	0.00	0.0	4.669	0.080	12	3	1	1
PL.60796	PL.50125	A	6 A (CWC)	7.36Y	122.6	0.00	2.36	0.12	0	1	0	100	0.00	0.0	4.056	0.072	1	0	1	1
PL.50758	PL.50125	A	6 A (CWC)	7.36Y	122.6	0.00	2.36	0.00	0	0	0	100	0.00	0.0	4.205	0.221	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: Maretburg

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.7726-A	PL.50758	A	Open	7.36Y	122.6	0.00	2.36	0.00	0	0	0	100	0.00	0.0	4.205	0.221	0	0	0	0
PL.49661	PL.49710	A	#4 ACSR	7.36Y	122.7	0.00	2.28	2.99	2	21	5	97	0.00	0.0	3.704	0.006	0	0	0	2
PD.7676	PL.49661	A	40QA	7.36Y	122.7	0.00	2.28	2.99	7	21	5	97	0.00	0.0	3.704	0.006	0	0	0	2
PL.49662	PD.7676	A	#4 ACSR	7.36Y	122.7	0.02	2.31	2.99	2	21	5	97	0.00	0.0	3.887	0.183	0	0	0	2
PL.49660	PL.49662	A	#4 ACSR	7.36Y	122.7	0.00	2.31	0.91	1	7	2	96	0.00	0.0	3.911	0.024	7	2	1	1
PL.50054	PL.49662	A	#4 ACSR	7.36Y	122.7	0.00	2.31	2.08	2	15	3	98	0.00	0.0	3.951	0.064	15	3	1	1
PL.49572	PL.49441	A	6 A (CWC)	7.40Y	123.4	0.03	1.64	8.41	6	61	14	97	0.01	0.0	2.675	0.087	15	3	1	5
PL.49810	PL.49572	A	6 A (CWC)	7.40Y	123.3	0.04	1.68	6.32	5	46	11	97	0.01	0.0	2.799	0.124	0	0	0	4
PL.49867	PL.49810	A	6 A (CWC)	7.40Y	123.3	0.01	1.68	3.05	2	22	5	98	0.00	0.0	2.857	0.057	5	1	1	3
PL.50757	PL.49867	A	6 A (CWC)	7.40Y	123.3	0.00	1.68	0.04	0	0	0	100	0.00	0.0	2.923	0.066	0	0	1	1
PL.50759	PL.50757	A	6 A (CWC)	7.40Y	123.3	0.00	1.68	0.00	0	0	0	100	0.00	0.0	2.929	0.006	0	0	0	0
PD.7726-B	PL.50759	A	Open	7.40Y	123.3	0.00	1.68	0.00	0	0	0	100	0.00	0.0	2.929	0.006	0	0	0	0
PL.49659	PL.49867	A	#1/0 ACSR	7.40Y	123.3	0.00	1.69	2.28	1	16	4	97	0.00	0.0	2.916	0.059	0	0	0	1
PL.50119	PL.49659	A	#1/0 ACSR	7.40Y	123.3	0.00	1.69	2.28	1	16	4	97	0.00	0.0	3.001	0.085	16	4	1	1
PL.63959	PL.49659	A	#1/0 ACSR	7.40Y	123.3	0.00	1.69	0.00	0	0	0	100	0.00	0.0	2.971	0.055	0	0	0	0
PL.63960	PL.63959	A	#1/0 ACSR	7.40Y	123.3	0.00	1.69	0.00	0	0	0	100	0.00	0.0	2.971	0.000	0	0	0	0
PL.49718	PL.49810	A	#4 ACSR	7.40Y	123.3	0.00	1.68	3.27	3	24	5	98	0.00	0.0	2.865	0.065	24	5	1	1
PL.62467	PL.49441	C	6 A (CWC)	7.40Y	123.4	0.00	1.61	8.51	6	61	14	97	0.00	0.0	2.591	0.003	0	0	0	8
PD.9346	PL.62467	C	40T	7.40Y	123.4	0.00	1.61	8.51	0	61	14	97	0.00	0.0	2.591	0.003	0	0	0	8
PL.62468	PD.9346	C	6 A (CWC)	7.40Y	123.4	0.01	1.63	8.51	6	61	14	97	0.00	0.0	2.629	0.038	24	6	4	8
PL.57626	PL.62468	C	6 A (CWC)	7.40Y	123.4	0.01	1.64	5.19	4	37	9	97	0.00	0.0	2.692	0.062	7	2	1	4
PL.57625	PL.57626	C	#2 ACSR	7.40Y	123.4	0.00	1.64	4.22	2	30	7	97	0.00	0.0	2.692	0.000	0	0	0	3
PL.57628	PL.57625	C	6 A (CWC)	7.40Y	123.4	0.01	1.65	4.22	3	30	7	97	0.00	0.0	2.740	0.049	8	2	1	3
PL.57627	PL.57628	C	6 A (CWC)	7.40Y	123.3	0.01	1.65	3.06	2	22	5	98	0.00	0.0	2.805	0.064	10	2	1	2
PL.49570	PL.57627	C	6 A (CWC)	7.40Y	123.3	0.00	1.66	1.68	1	12	3	97	0.00	0.0	2.849	0.045	12	3	1	1
PL.49543	PL.49570	C	6 A (CWC)	7.40Y	123.3	0.00	1.66	0.00	0	0	0	100	0.00	0.0	2.952	0.103	0	0	0	0
PL.50114	PL.49570	C	#4 ACSR	7.40Y	123.3	0.00	1.66	0.00	0	0	0	100	0.00	0.0	3.125	0.276	0	0	0	0
PL.57265	PL.57266	ABC	336 MCM AC	7.50Y	125.0	0.00	0.02	6.65	1	137	61	91	0.00	0.0	0.034	0.019	0	0	0	7
PL.57267	PL.57265	ABC	336 MCM AC	7.50Y	125.0	0.00	0.02	6.65	1	137	61	91	0.00	0.0	0.065	0.031	0	0	0	7
PL.50390	PL.57267	ABC	#4 ACSR	7.50Y	125.0	0.01	0.03	6.65	4	137	61	91	0.01	0.0	0.100	0.036	0	0	0	7
PL.50391	PL.50390	ABC	#4 ACSR	7.50Y	125.0	0.01	0.04	6.65	4	137	61	91	0.01	0.0	0.143	0.042	0	0	0	6

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Balanced Voltage Drop Report
Source: Maretburg

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.50142	PL.50391	ABC	#4 ACSR	7.50Y	125.0	0.00	0.04	0.32	0	6	3	89	0.00	0.0	0.148	0.006	0	0	0	1
PD.7717	PL.50142	ABC	65QA	7.50Y	125.0	0.00	0.04	0.32	0	6	3	89	0.00	0.0	0.148	0.006	0	0	0	1
PL.50076	PD.7717	ABC	#4 ACSR	7.50Y	125.0	0.00	0.04	0.32	0	6	3	89	0.00	0.0	0.188	0.039	0	0	0	1
PL.49772	PL.50076	ABC	#4 ACSR	7.50Y	125.0	0.00	0.04	0.32	0	6	3	89	0.00	0.0	0.288	0.101	6	3	1	1
PL.50710	PL.50391	B	#4 ACSR	7.50Y	125.0	0.00	0.04	3.02	2	22	5	98	0.00	0.0	0.148	0.006	0	0	0	2
PD.7663	PL.50710	B	75QA	7.50Y	125.0	0.00	0.04	3.02	4	22	5	98	0.00	0.0	0.148	0.006	0	0	0	2
PL.50954	PD.7663	B	#4 ACSR	7.50Y	125.0	0.00	0.04	3.02	2	22	5	98	0.00	0.0	0.170	0.021	22	5	1	2
PL.57399	PL.50954	B	#4 ACSR	7.50Y	125.0	0.00	0.04	0.00	0	0	0	100	0.00	0.0	0.207	0.038	0	0	0	1
PL.57400	PL.57399	B	#4 ACSR	7.50Y	125.0	0.00	0.04	0.00	0	0	0	100	0.00	0.0	0.255	0.048	0	0	1	1
PL.64521	PL.50391	ABC	#2 ACSR	7.50Y	125.0	0.00	0.04	5.35	3	108	52	90	0.00	0.0	0.176	0.033	0	0	1	3
PL.64522	PL.64521	ABC	#2 ACSR	7.50Y	125.0	0.00	0.04	5.34	3	108	52	90	0.00	0.0	0.185	0.010	108	52	2	2
PL.50393	PL.64522	ABC	#2 ACSR	7.50Y	125.0	0.00	0.04	0.00	0	0	0	100	0.00	0.0	0.189	0.003	0	0	0	0
PL.50392	PL.50390	A	#4 ACSR	7.50Y	125.0	0.00	0.03	0.01	0	0	0	100	0.00	0.0	0.102	0.001	0	0	0	1
PD.7671	PL.50392	A	30QA	7.50Y	125.0	0.00	0.03	0.01	0	0	0	100	0.00	0.0	0.102	0.001	0	0	0	1
PL.56379	PD.7671	A	#4 ACSR	7.50Y	125.0	0.00	0.03	0.01	0	0	0	100	0.00	0.0	0.182	0.080	0	0	1	1
PL.53005	Maretburg	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	126.30	24	2558	1238	90	0.03	0.0	0.002	0.002	0	0	0	2
PL.53009	PL.53005	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	126.30	24	2558	1238	90	0.03	0.0	0.004	0.002	0	0	0	2
----- Feeder No. 2 (M.V.P. F2) Beginning with Device PD.8065 -----																				
PD.8065	PL.53009	ABC	480VWE	7.50Y	125.0	0.00	0.00	126.30	0	2558	1238	90	0.00	0.0	0.004	0.002	0	0	0	2
PL.50309	PD.8065	ABC	336 MCM AC	7.50Y	125.0	0.01	0.01	126.30	24	2558	1238	90	0.09	0.0	0.011	0.007	0	0	0	2
PL.57273	PL.50309	ABC	336 MCM AC	7.50Y	125.0	0.00	0.01	0.00	0	0	0	100	0.00	0.0	0.012	0.001	0	0	0	0
PL.49972	PL.50309	ABC	336 MCM AC	7.50Y	125.0	0.00	0.02	126.30	24	2558	1237	90	0.03	0.0	0.017	0.006	2556	1238	1	2
PD.7728-A	PL.49972	ABC	Closed	7.50Y	125.0	0.00	0.02	0.10	0	2	0	100	0.00	0.0	0.017	0.006	0	0	0	1
PD.7728-B	PD.7728-A	ABC	Closed	7.50Y	125.0	0.00	0.02	0.10	0	2	0	100	0.00	0.0	0.017	0.006	0	0	0	1
PL.49982	PD.7728-B	ABC	336 MCM AC	7.50Y	125.0	0.00	0.02	0.10	0	2	0	100	0.00	0.0	0.024	0.007	0	0	0	1
PL.49537	PL.49982	ABC	336 MCM AC	7.50Y	125.0	0.00	0.02	0.10	0	2	0	100	0.00	0.0	0.025	0.001	0	0	0	1
PL.49538	PL.49537	ABC	336 MCM AC	7.50Y	125.0	0.00	0.02	0.10	0	2	0	100	0.00	0.0	0.029	0.004	0	0	0	1
PL.49682	PL.49538	ABC	336 MCM AC	7.50Y	125.0	0.00	0.02	-0.01	0	0	0	100	0.00	0.0	0.041	0.012	0	0	0	0
PL.49779	PL.49682	ABC	1/0 AL URD	7.50Y	125.0	0.00	0.02	-0.00	0	0	0	100	0.00	0.0	0.047	0.006	0	0	0	0

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Balanced Voltage Drop Report
Source: Maretburg

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.49780	PL.49682	ABC	1/0 AL URD	7.50Y	125.0	0.00	0.02	-0.00	0	0	0	100	0.00	0.0	0.050	0.009	0	0	0	0
PL.60340	PL.49538	ABC	336 MCM AC	7.50Y	125.0	0.00	0.02	0.10	0	2	0	100	0.00	0.0	0.207	0.178	0	0	0	1
PL.60341	PL.60340	ABC	336 MCM AC	7.50Y	125.0	0.00	0.02	-0.01	0	0	0	100	0.00	0.0	0.223	0.016	0	0	0	0
PL.49778	PL.60341	ABC	1/0 AL URD	7.50Y	125.0	0.00	0.02	-0.01	0	0	0	100	0.00	0.0	0.242	0.019	0	0	0	0
PL.60342	PL.60340	A	#1/0 ACSR	7.50Y	125.0	0.00	0.02	0.31	0	2	1	89	0.00	0.0	0.210	0.003	0	0	0	1
PD.9074	PL.60342	A	40QA	7.50Y	125.0	0.00	0.02	0.31	1	2	1	89	0.00	0.0	0.210	0.003	0	0	0	1
PL.60343	PD.9074	A	#1/0 ACSR	7.50Y	125.0	0.00	0.02	0.31	0	2	1	89	0.00	0.0	0.240	0.030	2	1	1	1
PL.50074	PL.49538	ABC	336 MCM AC	7.50Y	125.0	-0.00	0.02	-0.02	0	0	0	100	0.00	0.0	0.049	0.020	0	0	0	0
PL.50078	PL.50074	ABC	336 MCM AC	7.50Y	125.0	0.00	0.02	-0.02	0	0	0	100	0.00	0.0	0.079	0.030	0	0	0	0
PL.50219	PL.50078	ABC	336 MCM AC	7.50Y	125.0	0.00	0.02	-0.02	0	0	0	100	0.00	0.0	0.084	0.005	0	0	0	0
PL.49934	PL.50219	ABC	1/0 AL URD	7.50Y	125.0	0.00	0.02	-0.02	0	0	0	100	0.00	0.0	0.086	0.001	0	0	0	0
PL.49935	PL.49934	ABC	1/0 AL URD	7.50Y	125.0	0.00	0.02	-0.02	0	0	0	100	0.00	0.0	0.086	0.000	0	0	0	0
PD.7727-A	PL.49935	ABC	Closed	7.50Y	125.0	0.00	0.02	-0.02	0	0	0	100	0.00	0.0	0.086	0.000	0	0	0	0
PD.7727-B	PD.7727-A	ABC	Closed	7.50Y	125.0	0.00	0.02	-0.02	0	0	0	100	0.00	0.0	0.086	0.000	0	0	0	0
PL.49681	PD.7727-B	ABC	1/0 AL URD	7.50Y	125.0	-0.00	0.02	-0.02	0	0	0	100	0.00	0.0	0.120	0.034	0	0	0	0
PL.50116	PL.50078	ABC	#1/0 ACSR	7.50Y	125.0	0.00	0.02	0.00	0	0	0	100	0.00	0.0	0.092	0.013	0	0	0	0
CP.71	PL.49537	ABC	Cap (600)	7.50Y	125.0	0.00	0.02	0.00	0	0	0	100	0.00	0.0	0.025	0.013	0	0	0	0
PL.53006	Maretburg	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	177.36	34	3829	1125	96	0.02	0.0	0.001	0.001	0	0	0	422
PL.53008	PL.53006	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	177.36	34	3829	1125	96	0.02	0.0	0.002	0.001	0	0	0	422
----- Feeder No. 3 (Sand Springs F3) Beginning with Device PD.8064 -----																				
PD.8064	PL.53008	ABC	480VWE	7.50Y	125.0	0.00	0.00	177.36	0	3829	1125	96	0.00	0.0	0.002	0.001	0	0	0	422
PL.57269	PD.8064	ABC	336 MCM AC	7.50Y	125.0	0.02	0.03	177.36	34	3829	1125	96	0.46	0.0	0.019	0.017	0	0	0	422
PL.57270	PL.57269	ABC	336 MCM AC	7.49Y	124.8	0.14	0.17	177.36	34	3828	1124	96	2.85	0.1	0.127	0.108	0	0	0	422
PL.52628	PL.57270	ABC	336 MCM AC	7.48Y	124.7	0.09	0.26	177.36	34	3825	1117	96	1.78	0.0	0.194	0.067	0	0	0	422
PL.52629	PL.52628	ABC	336 MCM AC	7.48Y	124.7	0.08	0.34	177.36	34	3823	1113	96	1.66	0.0	0.257	0.063	0	0	0	422
PL.50128	PL.52629	ABC	#1/0 ACSR	7.48Y	124.6	0.07	0.42	14.00	6	290	121	92	0.14	0.0	0.525	0.269	0	0	0	7
PL.57340	PL.50128	ABC	#1/0 ACSR	7.48Y	124.6	0.00	0.42	2.43	1	52	15	96	0.00	0.0	0.536	0.010	52	15	2	2
PL.50283	PL.50128	ABC	#1/0 ACSR	7.47Y	124.6	0.02	0.44	11.59	5	238	106	91	0.03	0.0	0.619	0.094	0	0	0	5
PL.49634	PL.50283	ABC	#1/0 ACSR	7.47Y	124.5	0.03	0.47	9.89	4	200	97	90	0.04	0.0	0.780	0.161	0	0	0	1

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Balanced Voltage Drop Report
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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.49635	PL.49634	ABC	#1/0 ACSR	7.47Y	124.5	0.00	0.47	9.89	4	200	97	90	0.00	0.0	0.830	0.050	200	97	1	1
PL.49534	PL.50283	A	6 A (CWC)	7.47Y	124.6	0.00	0.44	5.22	4	38	9	97	0.00	0.0	0.624	0.004	0	0	0	4
PD.7691	PL.49534	A	60QA	7.47Y	124.6	0.00	0.44	5.22	9	38	9	97	0.00	0.0	0.624	0.004	0	0	0	4
PL.49535	PD.7691	A	6 A (CWC)	7.47Y	124.5	0.02	0.45	5.22	4	38	9	97	0.00	0.0	0.706	0.082	12	3	1	4
PL.49536	PL.49535	A	6 A (CWC)	7.47Y	124.5	0.01	0.47	3.55	3	26	6	97	0.00	0.0	0.865	0.159	26	6	3	3
PL.52635	PL.52629	ABC	336 MCM AC	7.48Y	124.6	0.04	0.38	163.45	31	3532	988	96	0.73	0.0	0.289	0.033	0	0	0	415
PL.52636	PL.52635	ABC	336 MCM AC	7.47Y	124.6	0.06	0.44	163.45	31	3531	987	96	1.07	0.0	0.336	0.047	0	0	0	415
PL.52637	PL.52636	ABC	336 MCM AC	7.47Y	124.6	0.00	0.44	0.00	0	0	0	100	0.00	0.0	0.373	0.036	0	0	1	1
PL.52634	PL.52636	ABC	336 MCM AC	7.47Y	124.5	0.03	0.47	163.45	31	3530	984	96	0.50	0.0	0.359	0.022	0	0	1	414
PL.49567	PL.52634	ABC	336 MCM AC	7.47Y	124.5	0.05	0.52	163.45	31	3529	983	96	1.02	0.0	0.404	0.045	0	0	0	413
PL.49568	PL.49567	C	#2 ACSR	7.47Y	124.5	0.00	0.52	3.84	2	28	6	98	0.00	0.0	0.407	0.003	0	0	0	3
PD.7641	PL.49568	C	60QA	7.47Y	124.5	0.00	0.52	3.84	6	28	6	98	0.00	0.0	0.407	0.003	0	0	0	3
PL.49569	PD.7641	C	#2 ACSR	7.47Y	124.5	0.00	0.53	3.84	2	28	6	98	0.00	0.0	0.435	0.027	28	6	3	3
PL.50422	PL.49567	ABC	336 MCM AC	7.45Y	124.2	0.25	0.78	162.17	31	3500	974	96	4.63	0.1	0.613	0.209	0	0	0	410
PL.50424	PL.50422	C	#2 ACSR	7.45Y	124.2	0.00	0.78	0.25	0	2	0	100	0.00	0.0	0.616	0.003	0	0	0	1
PD.7692	PL.50424	C	60QA	7.45Y	124.2	0.00	0.78	0.25	0	2	0	100	0.00	0.0	0.616	0.003	0	0	0	1
PL.50425	PD.7692	C	#2 ACSR	7.45Y	124.2	0.00	0.78	0.25	0	2	0	100	0.00	0.0	0.644	0.028	2	0	1	1
PL.50423	PL.50422	ABC	336 MCM AC	7.45Y	124.2	0.05	0.82	162.08	31	3494	963	96	0.91	0.0	0.654	0.041	0	0	0	409
PL.50417	PL.50423	ABC	336 MCM AC	7.45Y	124.1	0.07	0.90	150.83	29	3248	904	96	1.23	0.0	0.719	0.064	0	0	0	388
PL.50420	PL.50417	C	6 A (CWC)	7.45Y	124.1	0.00	0.90	4.24	3	31	7	98	0.00	0.0	0.723	0.004	0	0	0	2
PD.7639	PL.50420	C	60QA	7.45Y	124.1	0.00	0.90	4.24	7	31	7	98	0.00	0.0	0.723	0.004	0	0	0	2
PL.50421	PD.7639	C	6 A (CWC)	7.45Y	124.1	0.01	0.90	4.24	3	31	7	98	0.00	0.0	0.758	0.035	16	4	1	2
PL.50419	PL.50421	C	6 A (CWC)	7.45Y	124.1	0.00	0.91	2.09	1	15	4	97	0.00	0.0	0.815	0.057	15	4	1	1
PL.50418	PL.50417	ABC	336 MCM AC	7.44Y	124.1	0.02	0.92	149.42	29	3216	894	96	0.36	0.0	0.738	0.019	0	0	0	386
PL.50413	PL.50418	ABC	336 MCM AC	7.44Y	124.0	0.04	0.96	149.42	29	3216	893	96	0.67	0.0	0.773	0.036	0	0	0	386
PL.50411	PL.50413	ABC	336 MCM AC	7.43Y	123.8	0.21	1.17	146.78	28	3157	878	96	3.48	0.1	0.965	0.192	0	0	0	380
PL.50412	PL.50411	ABC	336 MCM AC	7.43Y	123.8	0.04	1.20	146.78	28	3154	870	96	0.63	0.0	1.000	0.035	0	0	1	380
PL.50409	PL.50412	ABC	336 MCM AC	7.43Y	123.8	0.02	1.23	146.77	28	3153	868	96	0.38	0.0	1.021	0.021	0	0	0	379
PL.50410	PL.50409	ABC	336 MCM AC	7.42Y	123.7	0.05	1.28	146.77	28	3153	867	96	0.91	0.0	1.071	0.050	0	0	1	379
PL.50405	PL.50410	ABC	336 MCM AC	7.42Y	123.7	0.04	1.32	146.77	28	3152	865	96	0.64	0.0	1.106	0.035	0	0	0	378
PL.50403	PL.50405	C	#2 ACSR	7.42Y	123.7	0.00	1.32	0.63	0	5	1	98	0.00	0.0	1.110	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: Maretburg

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.7666	PL.50403	C	50T	7.42Y	123.7	0.00	1.32	0.63	0	5	1	98	0.00	0.0	1.110	0.003	0	0	0	1
PL.50404	PD.7666	C	#2 ACSR	7.42Y	123.7	0.00	1.32	0.63	0	5	1	98	0.00	0.0	1.144	0.034	5	1	1	1
PL.49623	PL.50405	ABC	336 MCM AC	7.42Y	123.6	0.08	1.40	146.56	28	3147	863	96	1.29	0.0	1.177	0.071	0	0	1	377
PL.49622	PL.49623	ABC	336 MCM AC	7.41Y	123.5	0.06	1.45	146.56	28	3145	860	96	0.93	0.0	1.229	0.052	0	0	0	376
PL.50133	PL.49622	C	#2 ACSR	7.41Y	123.5	0.00	1.45	0.00	0	0	0	100	0.00	0.0	1.268	0.039	0	0	0	0
PL.49755	PL.49622	ABC	336 MCM AC	7.41Y	123.5	0.03	1.48	146.56	28	3144	858	96	0.50	0.0	1.257	0.028	0	0	0	376
PL.49754	PL.49755	ABC	336 MCM AC	7.39Y	123.2	0.31	1.79	146.19	28	3136	855	96	5.18	0.2	1.545	0.288	0	0	0	375
PL.49753	PL.49754	ABC	336 MCM AC	7.39Y	123.1	0.11	1.91	139.00	27	2985	772	97	1.81	0.1	1.656	0.111	0	0	0	374
PL.49519	PL.49753	ABC	336 MCM AC	7.38Y	123.0	0.05	1.96	138.68	27	2976	766	97	0.88	0.0	1.710	0.054	0	0	0	373
PL.49318	PL.49519	A	#4 ACSR	7.38Y	123.0	0.00	1.96	5.52	4	40	9	98	0.00	0.0	1.721	0.011	40	9	1	1
PL.49518	PL.49519	ABC	336 MCM AC	7.37Y	122.9	0.18	2.14	136.84	26	2935	755	97	2.82	0.1	1.889	0.179	0	0	0	372
PL.50060	PL.49518	C	#2 ACSR	7.37Y	122.9	0.00	2.14	0.00	0	0	0	100	0.00	0.0	1.917	0.028	0	0	0	0
PL.49620	PL.49518	A	#2 ACSR	7.37Y	122.9	0.00	2.14	0.00	0	0	0	100	0.00	0.0	1.890	0.001	0	0	0	1
PD.7708	PL.49620	A	60QA	7.37Y	122.9	0.00	2.14	0.00	0	0	0	100	0.00	0.0	1.890	0.001	0	0	0	1
PL.49621	PD.7708	A	#2 ACSR	7.37Y	122.9	0.00	2.14	0.00	0	0	0	100	0.00	0.0	1.905	0.015	0	0	1	1
PL.49619	PL.49518	ABC	336 MCM AC	7.37Y	122.8	0.05	2.18	136.84	26	2932	748	97	0.72	0.0	1.935	0.046	0	0	0	371
PL.49617	PL.49619	A	#2 ACSR	7.37Y	122.8	0.00	2.18	1.31	1	9	2	98	0.00	0.0	1.935	0.001	0	0	0	1
PD.7689	PL.49617	A	60QA	7.37Y	122.8	0.00	2.18	1.31	2	9	2	98	0.00	0.0	1.935	0.001	0	0	0	1
PL.49618	PD.7689	A	#2 ACSR	7.37Y	122.8	0.00	2.18	1.31	1	9	2	98	0.00	0.0	1.957	0.022	9	2	1	1
PL.49616	PL.49619	ABC	336 MCM AC	7.36Y	122.7	0.09	2.27	136.40	26	2922	744	97	1.35	0.0	2.022	0.087	17	4	1	370
PL.49614	PL.49616	C	#2 ACSR	7.36Y	122.7	0.00	2.27	3.11	2	22	5	98	0.00	0.0	2.025	0.004	0	0	0	2
PD.7669	PL.49614	C	60QA	7.36Y	122.7	0.00	2.27	3.11	5	22	5	98	0.00	0.0	2.025	0.004	0	0	0	2
PL.49615	PD.7669	C	#2 ACSR	7.36Y	122.7	0.00	2.27	3.11	2	22	5	98	0.00	0.0	2.070	0.044	12	3	1	2
PL.63672	PL.49615	C	#2 ACSR	7.36Y	122.7	0.00	2.27	1.42	1	10	2	98	0.00	0.0	2.092	0.023	0	0	0	1
PL.63945	PL.63672	C	#1/0 ACSR	7.36Y	122.7	0.00	2.27	1.42	1	10	2	98	0.00	0.0	2.113	0.021	10	2	1	1
PL.63673	PL.63672	C	#2 ACSR	7.36Y	122.7	0.00	2.27	0.00	0	0	0	100	0.00	0.0	2.643	0.550	0	0	0	0
PL.50400	PL.49616	ABC	336 MCM AC	7.36Y	122.6	0.15	2.41	134.56	26	2881	732	97	2.30	0.1	2.172	0.151	0	0	0	367
PL.50401	PL.50400	ABC	336 MCM AC	7.35Y	122.5	0.05	2.47	133.76	26	2862	722	97	0.83	0.0	2.227	0.055	0	0	0	366
PL.50397	PL.50401	ABC	336 MCM AC	7.35Y	122.5	0.06	2.53	132.19	25	2827	713	97	0.90	0.0	2.288	0.061	0	0	0	363
PL.50396	PL.50397	ABC	336 MCM AC	7.35Y	122.4	0.04	2.57	132.19	25	2826	711	97	0.68	0.0	2.335	0.047	0	0	0	363
PL.49782	PL.50396	A	1/0 AL URD	7.35Y	122.4	0.00	2.57	3.14	2	22	5	98	0.00	0.0	2.387	0.052	22	5	1	1

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Balanced Voltage Drop Report
Source: Maretburg

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.52513	PL.50396	ABC	336 MCM AC	7.35Y	122.4	0.00	2.57	131.15	25	2803	704	97	0.03	0.0	2.337	0.002	0	0	0	362	
PL.52514	PL.52513	ABC	336 MCM AC	7.34Y	122.3	0.11	2.68	131.15	25	2803	704	97	1.65	0.1	2.451	0.114	0	0	0	362	
PL.52510	PL.52514	ABC	336 MCM AC	7.33Y	122.2	0.12	2.80	116.05	22	2478	625	97	1.60	0.1	2.592	0.141	0	0	0	328	
PL.49979	PL.52510	ABC	336 MCM AC	7.33Y	122.2	0.04	2.84	111.46	21	2377	598	97	0.52	0.0	2.642	0.050	0	0	0	318	
PL.49742	PL.49979	A	#1/0 ACSR	7.33Y	122.2	0.00	2.84	3.62	2	26	6	97	0.00	0.0	2.685	0.044	14	3	1	2	
PL.49746	PL.49742	A	#1/0 ACSR	7.33Y	122.2	0.00	2.84	1.61	1	12	3	97	0.00	0.0	2.786	0.101	0	0	0	1	
PL.50153	PL.49746	A	#1/0 ACSR	7.33Y	122.2	0.00	2.84	0.00	0	0	0	100	0.00	0.0	2.832	0.047	0	0	0	0	
PL.50120	PL.49746	A	#1/0 ACSR	7.33Y	122.2	0.00	2.84	1.61	1	12	3	97	0.00	0.0	2.809	0.023	12	3	1	1	
PL.50157	PL.49979	ABC	336 MCM AC	7.31Y	121.8	0.37	3.21	110.25	21	2351	591	97	4.84	0.2	3.114	0.472	0	0	0	316	
PL.50158	PL.50157	A	6 A (CWC)	7.31Y	121.8	0.00	3.21	1.16	1	8	2	97	0.00	0.0	3.115	0.001	0	0	0	1	
PD.7709	PL.50158	A	60QA	7.31Y	121.8	0.00	3.21	1.16	2	8	2	97	0.00	0.0	3.115	0.001	0	0	0	1	
PL.50426	PD.7709	A	6 A (CWC)	7.31Y	121.8	0.01	3.22	1.16	1	8	2	97	0.00	0.0	3.342	0.227	0	0	0	1	
PL.50427	PL.50426	A	6 A (CWC)	7.31Y	121.8	0.00	3.23	1.16	1	8	2	97	0.00	0.0	3.453	0.110	8	2	1	1	
PL.50372	PL.50157	ABC	336 MCM AC	7.29Y	121.4	0.37	3.58	109.86	21	2338	578	97	4.81	0.2	3.587	0.473	3	1	2	315	
PL.50373	PL.50372	ABC	336 MCM AC	7.28Y	121.4	0.04	3.63	109.73	21	2330	566	97	0.56	0.0	3.642	0.055	0	0	0	313	
PL.50370	PL.50373	ABC	336 MCM AC	7.28Y	121.4	0.00	3.63	109.73	21	2330	565	97	0.05	0.0	3.647	0.005	0	0	0	313	
C RG.53	PL.50370	ABC	76.2 KVA	7.47Y	124.5	-3.11	0.52	109.73	110	2330	565	97	percent Boost= 2.50 Tap= 4.0						313	C	
PL.50371	RG.53	ABC	336 MCM AC	7.47Y	124.4	0.04	0.56	106.98	21	2330	565	97	0.53	0.0	3.702	0.055	0	0	0	313	
PL.50374	PL.50371	ABC	#1/0 ACSR	7.47Y	124.4	0.00	0.56	52.97	23	1153	278	97	0.02	0.0	3.705	0.003	0	0	0	140	
C PD.7723	PL.50374	ABC	50L	7.47Y	124.4	0.00	0.56	52.97	106	1153	278	97	0.00	0.0	3.705	0.003	0	0	0	140	C
PL.50375	PD.7723	ABC	#1/0 ACSR	7.46Y	124.3	0.10	0.66	52.97	23	1153	278	97	0.79	0.1	3.811	0.106	0	0	0	140	
PL.50981	PL.50375	ABC	#1/0 ACSR	7.46Y	124.3	0.08	0.75	52.97	23	1153	278	97	0.67	0.1	3.901	0.090	0	0	0	140	
PL.50982	PL.50981	C	#4 ACSR	7.46Y	124.3	0.00	0.75	1.50	1	11	3	96	0.00	0.0	3.901	0.001	0	0	0	1	
PD.7706	PL.50982	C	40QA	7.46Y	124.3	0.00	0.75	1.50	4	11	3	96	0.00	0.0	3.901	0.001	0	0	0	1	
PL.50983	PD.7706	C	#4 ACSR	7.46Y	124.3	0.00	0.75	1.50	1	11	3	96	0.00	0.0	3.965	0.064	11	3	1	1	
PL.50984	PL.50981	ABC	#1/0 ACSR	7.45Y	124.2	0.04	0.78	52.47	23	1141	274	97	0.28	0.0	3.939	0.038	0	0	0	139	
PL.50985	PL.50984	A	6 A (CWC)	7.45Y	124.2	0.00	0.78	0.75	1	5	1	98	0.00	0.0	3.944	0.005	0	0	0	2	
PD.7688	PL.50985	A	40QA	7.45Y	124.2	0.00	0.78	0.75	2	5	1	98	0.00	0.0	3.944	0.005	0	0	0	2	
PL.50986	PD.7688	A	6 A (CWC)	7.45Y	124.2	0.00	0.78	0.75	1	5	1	98	0.00	0.0	3.999	0.055	5	1	2	2	
PL.50987	PL.50984	ABC	#1/0 ACSR	7.45Y	124.2	0.06	0.84	51.98	23	1130	272	97	0.47	0.0	4.004	0.065	0	0	0	136	
PL.50988	PL.50987	ABC	#1/0 ACSR	7.44Y	124.0	0.13	0.97	51.98	23	1130	271	97	1.02	0.1	4.147	0.143	22	5	1	136	

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Balanced Voltage Drop Report
Source: Maretburg

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.50989	PL.50988	ABC	#1/0 ACSR	7.44Y	123.9	0.11	1.08	50.98	22	1107	265	97	0.85	0.1	4.269	0.123	4	1	1	135
PL.50990	PL.50989	ABC	#1/0 ACSR	7.43Y	123.8	0.07	1.15	50.82	22	1102	264	97	0.54	0.0	4.348	0.078	0	0	0	134
PL.50991	PL.50990	ABC	#1/0 ACSR	7.43Y	123.8	0.08	1.23	50.82	22	1102	263	97	0.58	0.1	4.432	0.084	0	0	0	134
PL.57661	PL.50991	ABC	#1/0 ACSR	7.42Y	123.7	0.08	1.30	50.26	22	1089	260	97	0.57	0.1	4.517	0.085	4	1	1	131
PL.57662	PL.57661	ABC	#1/0 ACSR	7.41Y	123.6	0.13	1.43	50.09	22	1085	258	97	0.97	0.1	4.663	0.146	0	0	0	130
PL.50995	PL.57662	ABC	#1/0 ACSR	7.41Y	123.6	0.00	1.43	50.09	22	1084	257	97	0.00	0.0	4.663	0.000	0	0	0	130
PL.50996	PL.50995	ABC	#1/0 ACSR	7.41Y	123.6	0.01	1.44	50.09	22	1084	257	97	0.04	0.0	4.670	0.007	0	0	0	130
PL.50994	PL.50996	ABC	#1/0 ACSR	7.41Y	123.5	0.06	1.50	45.74	20	990	235	97	0.43	0.0	4.746	0.077	0	0	0	118
PL.57964	PL.50994	ABC	#1/0 ACSR	7.39Y	123.1	0.42	1.92	45.74	20	989	235	97	2.86	0.3	5.265	0.519	12	3	1	118
PL.60873	PL.57964	ABC	#1/0 ACSR	7.38Y	123.0	0.08	2.00	39.93	17	860	205	97	0.50	0.1	5.383	0.118	2	1	1	109
PL.60874	PL.60873	ABC	#1/0 ACSR	7.34Y	122.4	0.59	2.59	39.81	17	858	203	97	3.54	0.4	6.221	0.838	0	0	0	108
PL.52776	PL.60874	ABC	#1/0 ACSR	7.34Y	122.4	0.05	2.64	39.81	17	854	200	97	0.30	0.0	6.293	0.072	0	0	0	108
PL.57944	PL.52776	ABC	#1/0 ACSR	7.34Y	122.3	0.03	2.66	39.81	17	854	200	97	0.15	0.0	6.330	0.037	18	4	1	108
PL.57943	PL.57944	ABC	#1/0 ACSR	7.34Y	122.3	0.03	2.70	38.96	17	835	195	97	0.19	0.0	6.377	0.047	0	0	0	107
PL.49826	PL.57943	A	6 A (CWC)	7.34Y	122.3	0.01	2.70	4.90	4	35	8	97	0.00	0.0	6.421	0.044	27	6	2	3
PL.49827	PL.49826	A	6 A (CWC)	7.34Y	122.3	0.00	2.70	1.19	1	8	2	97	0.00	0.0	6.464	0.043	8	2	1	1
PL.50973	PL.57943	ABC	#1/0 ACSR	7.33Y	122.2	0.06	2.75	37.33	16	800	187	97	0.32	0.0	6.463	0.086	0	0	0	104
PL.50974	PL.50973	ABC	#1/0 ACSR	7.33Y	122.1	0.15	2.90	37.33	16	800	187	97	0.82	0.1	6.687	0.225	20	5	3	104
PL.48540	PL.50974	C	6 A (CWC)	7.33Y	122.1	0.01	2.90	20.32	15	145	34	97	0.01	0.0	6.693	0.006	0	0	0	16
PD.7613	PL.48540	C	40QA	7.33Y	122.1	0.00	2.90	20.32	51	145	34	97	0.00	0.0	6.693	0.006	0	0	0	16
PL.48541	PD.7613	C	6 A (CWC)	7.32Y	122.0	0.06	2.96	20.32	15	145	34	97	0.06	0.0	6.760	0.067	30	7	3	16
PL.50350	PL.48541	C	6 A (CWC)	7.32Y	122.0	0.03	2.99	16.05	11	114	27	97	0.02	0.0	6.802	0.042	29	7	4	13
PL.50351	PL.50350	C	6 A (CWC)	7.32Y	122.0	0.02	3.00	11.98	9	85	20	97	0.01	0.0	6.840	0.037	16	4	1	9
PL.50352	PL.50351	C	6 A (CWC)	7.32Y	122.0	0.00	3.01	5.73	4	41	9	98	0.00	0.0	6.862	0.023	14	3	1	4
PL.50353	PL.50352	C	6 A (CWC)	7.32Y	122.0	0.01	3.02	3.83	3	27	6	98	0.00	0.0	6.967	0.104	14	3	2	3
PL.50354	PL.50353	C	6 A (CWC)	7.32Y	122.0	0.00	3.03	1.93	1	14	3	98	0.00	0.0	7.063	0.097	14	3	1	1
PL.50311	PL.50351	C	6 A (CWC)	7.32Y	122.0	0.00	3.01	4.05	3	29	7	97	0.00	0.0	6.891	0.051	29	7	4	4
PL.50355	PL.50974	ABC	#1/0 ACSR	7.32Y	122.1	0.03	2.92	25.62	11	548	128	97	0.10	0.0	6.743	0.056	12	3	1	75
PL.50356	PL.50355	ABC	#1/0 ACSR	7.32Y	122.0	0.04	2.96	24.83	11	531	124	97	0.13	0.0	6.825	0.081	17	4	1	72
PL.50362	PL.50356	C	#4 ACSR	7.32Y	122.0	0.00	2.96	1.16	1	8	2	97	0.00	0.0	6.826	0.001	0	0	0	1
PD.7646	PL.50362	C	40QA	7.32Y	122.0	0.00	2.96	1.16	3	8	2	97	0.00	0.0	6.826	0.001	0	0	0	1

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Balanced Voltage Drop Report
Source: Maretburg

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.50363	PD.7646	C	#4 ACSR	7.32Y	122.0	0.00	2.96	1.16	1	8	2	97	0.00	0.0	6.851	0.024	8	2	1	1
PL.50357	PL.50356	ABC	#1/0 ACSR	7.32Y	122.0	0.03	2.99	23.67	10	506	118	97	0.12	0.0	6.906	0.081	13	3	3	70
PL.50358	PL.50357	ABC	#1/0 ACSR	7.32Y	122.0	0.04	3.03	23.04	10	493	115	97	0.15	0.0	7.009	0.104	4	1	1	67
PL.50359	PL.50358	ABC	#1/0 ACSR	7.32Y	121.9	0.04	3.07	22.84	10	488	114	97	0.13	0.0	7.102	0.093	15	4	1	66
PL.49795	PL.50359	ABC	#1/0 ACSR	7.31Y	121.9	0.02	3.09	22.12	10	473	110	97	0.05	0.0	7.141	0.039	0	0	0	65
PL.49796	PL.49795	ABC	#1/0 ACSR	7.31Y	121.9	0.01	3.10	21.72	9	464	108	97	0.04	0.0	7.170	0.029	0	0	0	64
PL.49797	PL.49796	C	#4 ACSR	7.31Y	121.9	0.00	3.10	2.18	2	16	4	97	0.00	0.0	7.174	0.003	0	0	0	4
PD.7647	PL.49797	C	40QA	7.31Y	121.9	0.00	3.10	2.18	5	16	4	97	0.00	0.0	7.174	0.003	0	0	0	4
PL.60880	PD.7647	C	#4 ACSR	7.31Y	121.9	0.00	3.10	2.18	2	16	4	97	0.00	0.0	7.185	0.011	0	0	1	4
PL.60881	PL.60880	C	#4 ACSR	7.31Y	121.9	0.01	3.11	2.18	2	16	4	97	0.00	0.0	7.337	0.152	7	2	1	3
PL.57835	PL.60881	C	#4 ACSR	7.31Y	121.9	0.00	3.11	1.16	1	8	2	97	0.00	0.0	7.446	0.108	8	2	1	2
PL.49798	PL.57835	C	#4 ACSR	7.31Y	121.9	0.00	3.11	0.07	0	1	0	100	0.00	0.0	7.495	0.049	1	0	1	1
PL.49799	PL.49796	ABC	#1/0 ACSR	7.31Y	121.9	0.03	3.12	20.99	9	449	104	97	0.08	0.0	7.242	0.072	16	4	3	60
PL.49802	PL.49799	ABC	#1/0 ACSR	7.31Y	121.8	0.04	3.16	19.79	9	423	98	97	0.11	0.0	7.350	0.108	0	0	0	56
PL.49803	PL.49802	ABC	#1/0 ACSR	7.31Y	121.8	0.03	3.19	19.79	9	423	98	97	0.09	0.0	7.442	0.092	51	12	4	56
PL.49804	PL.49803	ABC	#1/0 ACSR	7.31Y	121.8	0.01	3.20	17.43	8	372	86	97	0.03	0.0	7.476	0.034	26	6	2	52
PL.51011	PL.49804	C	6 A (CWC)	7.31Y	121.8	0.00	3.20	1.56	1	11	3	96	0.00	0.0	7.476	0.000	0	0	0	3
PD.7678	PL.51011	C	40QA	7.31Y	121.8	0.00	3.20	1.56	4	11	3	96	0.00	0.0	7.476	0.000	0	0	0	3
PL.51012	PD.7678	C	6 A (CWC)	7.31Y	121.8	0.00	3.20	1.56	1	11	3	96	0.00	0.0	7.514	0.038	9	2	2	3
PL.51010	PL.51012	C	6 A (CWC)	7.31Y	121.8	0.00	3.20	0.27	0	2	0	100	0.00	0.0	7.561	0.047	2	0	1	1
PL.49805	PL.49804	ABC	#1/0 ACSR	7.31Y	121.8	0.04	3.24	15.70	7	335	78	97	0.10	0.0	7.628	0.152	0	0	0	47
PL.51013	PL.49805	A	6 A (CWC)	7.30Y	121.7	0.01	3.25	38.72	28	276	64	97	0.02	0.0	7.633	0.005	0	0	0	39
C PD.7718	PL.51013	A	35L	7.30Y	121.7	0.00	3.25	38.72	111	276	64	97	0.00	0.0	7.633	0.005	0	0	0	39 C
PL.51014	PD.7718	A	6 A (CWC)	7.30Y	121.6	0.16	3.41	38.72	28	276	64	97	0.32	0.1	7.722	0.089	0	0	0	39
PL.51015	PL.51014	A	6 A (CWC)	7.29Y	121.5	0.08	3.49	35.03	25	249	58	97	0.15	0.1	7.778	0.056	29	7	3	37
PL.51016	PL.51015	A	6 A (CWC)	7.28Y	121.4	0.11	3.60	30.93	22	220	51	97	0.19	0.1	7.859	0.081	0	0	0	34
PL.51017	PL.51016	A	6 A (CWC)	7.28Y	121.4	0.00	3.61	25.58	18	182	42	97	0.01	0.0	7.863	0.004	0	0	0	28
C PD.7712	PL.51017	A	25QA	7.28Y	121.4	0.00	3.61	25.58	102	182	42	97	0.00	0.0	7.863	0.004	0	0	0	28 C
PL.51018	PD.7712	A	6 A (CWC)	7.27Y	121.2	0.23	3.83	25.58	18	182	42	97	0.31	0.2	8.058	0.195	0	0	0	28
PL.51027	PL.51018	A	6 A (CWC)	7.27Y	121.2	0.01	3.84	6.03	4	43	9	98	0.00	0.0	8.085	0.027	0	0	0	5
PD.7616	PL.51027	A	25QA	7.27Y	121.2	0.00	3.84	6.03	24	43	9	98	0.00	0.0	8.085	0.027	0	0	0	5

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Balanced Voltage Drop Report
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Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy 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.51028	PD.7616	A	6 A (CWC)	7.27Y	121.1	0.01	3.86	6.03	4	43	9	98	0.00	0.0	8.139	0.054	0	0	0	5
PL.50094	PL.51028	A	#4 ACSR	7.27Y	121.1	0.00	3.86	2.15	2	15	4	97	0.00	0.0	8.191	0.052	15	4	2	2
PL.51029	PL.51028	A	6 A (CWC)	7.27Y	121.1	0.01	3.87	3.87	3	28	6	98	0.00	0.0	8.214	0.074	0	0	0	3
PL.51030	PL.51029	A	6 A (CWC)	7.27Y	121.1	0.01	3.88	3.87	3	28	6	98	0.00	0.0	8.290	0.077	0	0	0	3
PL.63811	PL.51030	A	#1/0 ACSR	7.27Y	121.1	0.00	3.89	2.56	1	18	4	98	0.00	0.0	8.350	0.059	0	0	0	2
PL.63813	PL.63811	A	1/0 AL URD	7.27Y	121.1	0.01	3.89	2.56	2	18	4	98	0.00	0.0	8.518	0.169	18	4	2	2
PL.63812	PL.63811	A	#1/0 ACSR	7.27Y	121.1	0.00	3.89	0.00	0	0	0	100	0.00	0.0	8.388	0.039	0	0	0	0
PL.51031	PL.51030	A	6 A (CWC)	7.27Y	121.1	0.00	3.88	1.32	1	9	2	98	0.00	0.0	8.294	0.003	0	0	0	1
PD.7645	PL.51031	A	10QA	7.27Y	121.1	0.00	3.88	1.32	0	9	2	98	0.00	0.0	8.294	0.003	0	0	0	1
PL.51032	PD.7645	A	6 A (CWC)	7.27Y	121.1	0.00	3.89	1.32	1	9	2	98	0.00	0.0	8.381	0.087	9	2	1	1
PL.50837	PL.51018	A	6 A (CWC)	7.26Y	121.0	0.15	3.99	19.55	14	138	32	97	0.16	0.1	8.241	0.183	14	3	1	23
PL.50838	PL.50837	A	6 A (CWC)	7.26Y	120.9	0.06	4.05	17.58	13	124	29	97	0.06	0.0	8.325	0.084	16	4	1	22
PL.50673	PL.50838	A	6 A (CWC)	7.25Y	120.9	0.07	4.12	15.38	11	109	25	97	0.06	0.1	8.430	0.104	0	0	0	21
PL.50674	PL.50673	A	6 A (CWC)	7.25Y	120.8	0.06	4.18	15.38	11	109	25	97	0.05	0.0	8.514	0.084	0	0	0	21
PL.50675	PL.50674	A	6 A (CWC)	7.25Y	120.8	0.06	4.24	15.38	11	109	25	97	0.05	0.0	8.596	0.082	0	0	0	21
PL.57658	PL.50675	A	6 A (CWC)	7.24Y	120.7	0.04	4.28	15.05	11	106	25	97	0.03	0.0	8.657	0.061	0	0	0	20
PL.62716	PL.57658	A	6 A (CWC)	7.23Y	120.6	0.14	4.42	15.05	11	106	25	97	0.11	0.1	8.880	0.223	11	3	2	20
PL.62717	PL.62716	A	6 A (CWC)	7.23Y	120.5	0.08	4.51	13.52	10	95	22	97	0.06	0.1	9.018	0.138	2	1	1	18
PL.60882	PL.62717	A	6 A (CWC)	7.23Y	120.5	0.04	4.55	13.21	9	93	22	97	0.03	0.0	9.089	0.070	0	0	0	17
PL.50682	PL.60882	A	#4 ACSR	7.23Y	120.4	0.00	4.55	11.89	9	84	19	98	0.00	0.0	9.096	0.007	0	0	0	15
PD.7700	PL.50682	A	20T	7.23Y	120.4	0.00	4.55	11.89	0	84	19	98	0.00	0.0	9.096	0.007	0	0	0	15
PL.50683	PD.7700	A	#4 ACSR	7.22Y	120.3	0.10	4.66	11.89	9	84	19	98	0.07	0.1	9.292	0.197	0	0	0	15
PL.50684	PL.50683	A	#4 ACSR	7.22Y	120.3	0.03	4.68	9.22	7	65	15	97	0.01	0.0	9.362	0.070	0	0	0	13
PL.49902	PL.50684	A	#4 ACSR	7.21Y	120.2	0.07	4.75	9.22	7	65	15	97	0.03	0.1	9.533	0.171	0	0	0	13
PL.50381	PL.49902	A	#4 ACSR	7.21Y	120.2	0.01	4.76	8.62	7	61	14	97	0.00	0.0	9.561	0.028	0	0	0	12
PL.49906	PL.50381	A	#4 ACSR	7.21Y	120.2	0.06	4.82	8.62	7	61	14	97	0.03	0.0	9.730	0.169	9	2	1	12
PL.49907	PL.49906	A	#4 ACSR	7.21Y	120.2	0.02	4.84	7.32	6	51	12	97	0.01	0.0	9.787	0.057	0	0	0	11
PL.49908	PL.49907	A	#4 ACSR	7.21Y	120.1	0.04	4.88	6.78	5	48	11	97	0.01	0.0	9.913	0.127	0	0	0	10
PL.49994	PL.49908	A	#4 ACSR	7.21Y	120.1	0.00	4.88	0.37	0	3	1	95	0.00	0.0	9.991	0.078	3	1	1	1
PL.49909	PL.49908	A	#4 ACSR	7.20Y	120.1	0.07	4.95	6.41	5	45	10	98	0.02	0.1	10.157	0.243	0	0	0	9
PL.49910	PL.49909	A	#4 ACSR	7.20Y	120.0	0.08	5.03	5.65	4	40	9	98	0.02	0.1	10.495	0.338	3	1	1	8

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Balanced Voltage Drop Report
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Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy 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.49911	PL.49910	A	#4 ACSR	7.19Y	119.9	0.06	5.09	5.15	4	36	8	98	0.02	0.0	10.777	0.282	0	0	0	7
PL.50686	PL.49911	A	#4 ACSR	7.19Y	119.9	0.00	5.10	2.89	2	20	5	97	0.00	0.0	10.792	0.016	0	0	0	4
PD.7652	PL.50686	A	25QA	7.19Y	119.9	0.00	5.10	2.89	12	20	5	97	0.00	0.0	10.792	0.016	0	0	0	4
PL.50687	PD.7652	A	#4 ACSR	7.19Y	119.8	0.15	5.25	2.89	2	20	5	97	0.02	0.1	11.978	1.185	0	0	0	4
PL.49912	PL.50687	A	#4 ACSR	7.18Y	119.7	0.05	5.29	2.89	2	20	5	97	0.01	0.0	12.348	0.370	0	0	0	4
PL.50092	PL.49912	A	#2 ACSR	7.18Y	119.7	0.00	5.29	0.00	0	0	0	100	0.00	0.0	12.466	0.119	0	0	0	0
PL.49913	PL.49912	A	#4 ACSR	7.18Y	119.7	0.00	5.30	0.94	1	7	2	96	0.00	0.0	12.427	0.079	2	0	1	3
PL.49914	PL.49913	A	#4 ACSR	7.18Y	119.7	0.00	5.30	0.64	0	4	1	97	0.00	0.0	12.499	0.071	4	1	2	2
PL.49974	PL.49912	A	#4 ACSR	7.18Y	119.7	0.00	5.30	1.96	2	14	3	98	0.00	0.0	12.416	0.068	14	3	1	1
PL.50091	PL.49911	A	#4 ACSR	7.19Y	119.9	0.00	5.10	2.26	2	16	4	97	0.00	0.0	10.812	0.035	11	3	1	3
PL.64695	PL.50091	A	#1/0 ACSR	7.19Y	119.9	0.00	5.10	0.68	0	5	1	98	0.00	0.0	10.870	0.059	5	1	2	2
PL.49973	PL.49909	A	#4 ACSR	7.20Y	120.1	0.00	4.95	0.76	1	5	1	98	0.00	0.0	10.220	0.064	5	1	1	1
PL.50090	PL.49907	A	#4 ACSR	7.21Y	120.2	0.00	4.84	0.54	0	4	1	97	0.00	0.0	9.846	0.059	4	1	1	1
PL.49905	PL.49902	A	#4 ACSR	7.21Y	120.2	0.00	4.75	0.60	0	4	1	97	0.00	0.0	9.577	0.044	0	0	0	1
PL.50688	PL.49905	A	#4 ACSR	7.21Y	120.2	0.00	4.76	0.60	0	4	1	97	0.00	0.0	9.605	0.028	0	0	0	1
PL.50049	PL.50688	A	#4 ACSR	7.21Y	120.2	0.00	4.76	0.00	0	0	0	100	0.00	0.0	9.654	0.049	0	0	0	0
PL.50689	PL.50688	A	#4 ACSR	7.21Y	120.2	0.00	4.76	0.60	0	4	1	97	0.00	0.0	9.652	0.047	4	1	1	1
PL.50690	PL.50689	A	#4 ACSR	7.21Y	120.2	0.00	4.76	0.00	0	0	0	100	0.00	0.0	9.825	0.174	0	0	0	0
PL.49903	PL.50683	A	#4 ACSR	7.22Y	120.3	0.01	4.67	2.67	2	19	4	98	0.00	0.0	9.426	0.134	7	2	1	2
PL.49904	PL.49903	A	#4 ACSR	7.22Y	120.3	0.00	4.67	1.74	1	12	3	97	0.00	0.0	9.479	0.053	12	3	1	1
PL.50237	PL.60882	A	#4 ACSR	7.23Y	120.5	0.00	4.55	1.32	1	9	2	98	0.00	0.0	9.094	0.005	0	0	0	2
PD.7651	PL.50237	A	25QA	7.23Y	120.5	0.00	4.55	1.32	5	9	2	98	0.00	0.0	9.094	0.005	0	0	0	2
PL.50677	PD.7651	A	#4 ACSR	7.23Y	120.4	0.00	4.55	1.32	1	9	2	98	0.00	0.0	9.131	0.037	0	0	0	2
PL.50236	PL.50677	A	#4 ACSR	7.23Y	120.4	0.01	4.56	1.32	1	9	2	98	0.00	0.0	9.222	0.091	0	0	0	2
PL.50678	PL.50236	A	#4 ACSR	7.23Y	120.4	0.00	4.56	1.32	1	9	2	98	0.00	0.0	9.325	0.103	8	2	1	2
PL.50679	PL.50678	A	#4 ACSR	7.23Y	120.4	0.00	4.56	0.22	0	2	0	100	0.00	0.0	9.353	0.028	0	0	0	1
PL.51805	PL.50679	A	#4 ACSR	7.23Y	120.4	0.00	4.56	0.22	0	2	0	100	0.00	0.0	9.708	0.356	0	0	0	1
PL.51853	PL.51805	A	#4 ACSR	7.23Y	120.4	0.00	4.57	0.22	0	2	0	100	0.00	0.0	10.006	0.297	0	0	0	1
PL.51852	PL.51853	A	6 A (CWC)	7.23Y	120.4	0.00	4.57	0.00	0	0	0	100	0.00	0.0	10.157	0.151	0	0	0	0
PL.51854	PL.51853	A	#4 ACSR	7.23Y	120.4	0.00	4.57	0.22	0	2	0	100	0.00	0.0	10.266	0.260	0	0	0	1
PL.51807	PL.51854	A	#4 ACSR	7.23Y	120.4	0.00	4.57	0.00	0	0	0	100	0.00	0.0	10.573	0.307	0	0	0	0

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Balanced Voltage Drop Report
Source: Maretburg

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.50681	PL.51807	A	#4 ACSR	7.23Y	120.4	0.00	4.57	0.00	0	0	0	100	0.00	0.0	10.782	0.209	0	0	0	0
PL.49694	PL.51807	A	#2 ACSR	7.23Y	120.4	0.00	4.57	0.00	0	0	0	100	0.00	0.0	10.676	0.103	0	0	0	0
PL.51806	PL.51854	A	#4 ACSR	7.23Y	120.4	0.00	4.57	0.22	0	2	0	100	0.00	0.0	10.342	0.076	0	0	0	1
PL.50680	PL.51806	A	#4 ACSR	7.23Y	120.4	0.00	4.57	0.22	0	2	0	100	0.00	0.0	10.376	0.033	2	0	1	1
PL.50676	PL.50675	A	6 A (CWC)	7.25Y	120.8	0.00	4.24	0.33	0	2	1	89	0.00	0.0	8.645	0.049	2	1	1	1
PL.60790	PL.50676	A	6 A (CWC)	7.25Y	120.8	0.00	4.24	0.00	0	0	0	100	0.00	0.0	8.725	0.080	0	0	0	0
PL.51026	PL.51016	A	6 A (CWC)	7.28Y	121.4	0.04	3.64	5.35	4	38	9	97	0.01	0.0	8.020	0.161	0	0	0	6
PL.51025	PL.51026	A	6 A (CWC)	7.28Y	121.3	0.10	3.74	5.35	4	38	9	97	0.03	0.1	8.425	0.405	0	0	0	6
PL.49319	PL.51025	A	#4 ACSR	7.28Y	121.3	0.00	3.74	0.78	1	6	1	99	0.00	0.0	8.497	0.072	6	1	2	2
PL.51019	PL.51025	A	6 A (CWC)	7.27Y	121.2	0.02	3.76	4.57	3	32	8	97	0.01	0.0	8.537	0.112	0	0	0	4
PL.63908	PL.51019	A	6 A (CWC)	7.27Y	121.2	0.04	3.80	4.57	3	32	8	97	0.01	0.0	8.781	0.244	14	3	1	4
PL.63909	PL.63908	A	6 A (CWC)	7.27Y	121.2	0.01	3.82	2.67	2	19	4	98	0.00	0.0	8.872	0.092	0	0	0	3
PL.51020	PL.63909	A	6 A (CWC)	7.27Y	121.2	0.02	3.83	2.67	2	19	4	98	0.00	0.0	9.036	0.164	7	2	2	3
PL.51023	PL.51020	A	6 A (CWC)	7.27Y	121.2	0.00	3.83	1.66	1	12	3	97	0.00	0.0	9.128	0.092	12	3	1	1
PL.51024	PL.51023	A	6 A (CWC)	7.27Y	121.2	0.00	3.83	0.00	0	0	0	100	0.00	0.0	9.212	0.084	0	0	0	0
PL.50057	PL.51019	A	#4 ACSR	7.27Y	121.2	0.00	3.76	0.00	0	0	0	100	0.00	0.0	8.583	0.046	0	0	0	0
PL.50051	PL.51014	A	#4 ACSR	7.30Y	121.6	0.00	3.41	3.70	3	26	6	97	0.00	0.0	7.759	0.037	26	6	2	2
PL.51825	PL.49805	C	#4 ACSR	7.30Y	121.7	0.02	3.26	8.38	6	60	14	97	0.01	0.0	7.688	0.060	29	7	2	8
PL.51826	PL.51825	C	#4 ACSR	7.30Y	121.7	0.00	3.26	4.24	3	30	7	97	0.00	0.0	7.689	0.001	0	0	0	6
PD.7936	PL.51826	C	100CodeSMo	7.30Y	121.7	0.00	3.26	4.24	0	30	7	97	0.00	0.0	7.689	0.001	0	0	0	6
PL.51827	PD.7936	C	#4 ACSR	7.30Y	121.6	0.10	3.36	4.24	3	30	7	97	0.02	0.1	8.223	0.533	0	0	2	6
PL.50123	PL.51827	C	#4 ACSR	7.29Y	121.5	0.12	3.48	4.19	3	30	7	97	0.03	0.1	8.874	0.651	0	0	0	4
PL.50226	PL.50123	C	#4 ACSR	7.29Y	121.5	0.00	3.48	0.00	0	0	0	100	0.00	0.0	8.919	0.046	0	0	0	0
PL.50124	PL.50123	C	#4 ACSR	7.29Y	121.4	0.08	3.56	4.19	3	30	7	97	0.02	0.1	9.368	0.494	9	2	1	4
PL.51021	PL.50124	C	#4 ACSR	7.28Y	121.4	0.04	3.59	2.91	2	21	5	97	0.01	0.0	9.661	0.293	3	1	1	3
PL.51022	PL.51021	C	#4 ACSR	7.28Y	121.4	0.00	3.59	2.51	2	18	4	98	0.00	0.0	9.662	0.001	0	0	0	2
PL.50322	PL.51022	C	#4 ACSR	7.28Y	121.4	0.01	3.60	2.51	2	18	4	98	0.00	0.0	9.742	0.080	0	0	0	2
PL.57543	PL.50322	C	#4 ACSR	7.28Y	121.4	0.01	3.61	2.51	2	18	4	98	0.00	0.0	9.814	0.071	0	0	0	2
PL.57544	PL.57543	C	#1/0 ACSR	7.28Y	121.4	0.00	3.61	2.51	1	18	4	98	0.00	0.0	9.817	0.003	0	0	0	2
PD.8377	PL.57544	C	15T	7.28Y	121.4	0.00	3.61	2.51	0	18	4	98	0.00	0.0	9.817	0.003	0	0	0	2
PL.57546	PD.8377	C	#1/0 ACSR	7.28Y	121.4	0.00	3.61	2.51	1	18	4	98	0.00	0.0	9.879	0.062	0	0	1	2

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Balanced Voltage Drop Report
Source: Maretburg

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.57545	PL.57546	C	#1/0 ACSR	7.28Y	121.4	0.00	3.62	2.45	1	17	4	97	0.00	0.0	9.914	0.034	0	0	0	1
PL.60344	PL.57545	C	#1/0 ACSR	7.28Y	121.4	0.00	3.62	2.45	1	17	4	97	0.00	0.0	9.967	0.053	17	4	1	1
PL.49800	PL.49799	A	#4 ACSR	7.31Y	121.9	0.00	3.12	1.34	1	10	2	98	0.00	0.0	7.244	0.002	0	0	0	1
PD.7711	PL.49800	A	40QA	7.31Y	121.9	0.00	3.12	1.34	3	10	2	98	0.00	0.0	7.244	0.002	0	0	0	1
PL.49801	PD.7711	A	#4 ACSR	7.31Y	121.9	0.00	3.13	1.34	1	10	2	98	0.00	0.0	7.288	0.044	10	2	1	1
PL.50402	PL.49795	ABC	#1/0 ACSR	7.31Y	121.9	0.00	3.09	0.40	0	9	2	98	0.00	0.0	7.172	0.031	9	2	1	1
PL.50360	PL.50355	C	6 A (CWC)	7.32Y	122.1	0.00	2.92	0.67	0	5	1	98	0.00	0.0	6.745	0.001	0	0	0	2
PD.7695	PL.50360	C	40QA	7.32Y	122.1	0.00	2.92	0.67	2	5	1	98	0.00	0.0	6.745	0.001	0	0	0	2
PL.66145	PD.7695	C	#2 ACSR	7.32Y	122.1	0.00	2.92	0.67	0	5	1	98	0.00	0.0	6.761	0.016	5	1	2	2
PL.57636	PL.50974	C	6 A (CWC)	7.33Y	122.1	0.00	2.90	12.08	9	86	20	97	0.00	0.0	6.692	0.004	0	0	0	10
PD.8391	PL.57636	C	40QA	7.33Y	122.1	0.00	2.90	12.08	30	86	20	97	0.00	0.0	6.692	0.004	0	0	0	10
PL.57637	PD.8391	C	6 A (CWC)	7.32Y	122.1	0.02	2.92	12.08	9	86	20	97	0.01	0.0	6.727	0.035	3	1	1	10
PL.49828	PL.57637	C	6 A (CWC)	7.32Y	122.1	0.01	2.93	11.66	8	83	19	97	0.01	0.0	6.752	0.026	5	1	1	9
PL.49829	PL.49828	C	6 A (CWC)	7.32Y	122.0	0.02	2.96	11.03	8	79	18	98	0.01	0.0	6.810	0.057	32	7	3	8
PL.49831	PL.49829	C	6 A (CWC)	7.32Y	122.0	0.03	2.98	6.14	4	44	10	98	0.01	0.0	6.911	0.102	5	1	1	4
PL.49832	PL.49831	C	6 A (CWC)	7.32Y	122.0	0.00	2.99	5.45	4	39	9	97	0.00	0.0	6.931	0.019	0	0	0	3
PL.49830	PL.49832	C	6 A (CWC)	7.32Y	122.0	0.00	2.99	2.32	2	17	4	97	0.00	0.0	7.021	0.090	17	4	2	2
PL.50310	PL.49832	C	6 A (CWC)	7.32Y	122.0	0.00	2.99	3.13	2	22	5	98	0.00	0.0	6.950	0.020	22	5	1	1
PL.63963	PL.49829	C	6 A (CWC)	7.32Y	122.0	0.00	2.96	0.39	0	3	1	95	0.00	0.0	6.858	0.048	3	1	1	1
PL.63964	PL.63963	C	6 A (CWC)	7.32Y	122.0	0.00	2.96	0.00	0	0	0	100	0.00	0.0	6.877	0.019	0	0	0	0
PL.49609	PL.50973	A	#2 ACSR	7.33Y	122.2	0.00	2.75	0.00	0	0	0	100	0.00	0.0	6.512	0.049	0	0	0	0
CP.89	PL.52776	ABC	Cap (300)	7.34Y	122.4	0.00	2.64	0.00	0	0	0	100	0.00	0.0	6.293	0.049	0	0	0	0
PL.57965	PL.57964	B	#4 ACSR	7.38Y	123.1	0.00	1.92	15.78	12	114	24	98	0.00	0.0	5.267	0.002	0	0	0	8
PD.7614	PL.57965	B	40QA	7.38Y	123.1	0.00	1.92	15.78	39	114	24	98	0.00	0.0	5.267	0.002	0	0	0	8
PL.51003	PD.7614	B	#4 ACSR	7.38Y	123.1	0.03	1.95	15.78	12	114	24	98	0.02	0.0	5.311	0.045	16	4	1	8
PL.51004	PL.51003	B	#4 ACSR	7.38Y	123.0	0.04	1.99	13.60	10	98	21	98	0.03	0.0	5.377	0.065	0	0	0	7
PL.51005	PL.51004	B	#4 ACSR	7.38Y	123.0	0.02	2.01	13.60	10	98	21	98	0.02	0.0	5.421	0.044	13	3	1	7
PL.60331	PL.51005	B	#4 ACSR	7.38Y	123.0	0.01	2.02	11.78	9	85	18	98	0.00	0.0	5.435	0.014	0	0	0	6
PL.60330	PL.60331	B	#4 ACSR	7.38Y	123.0	0.00	2.02	1.39	1	10	2	98	0.00	0.0	5.505	0.070	10	2	1	1
PL.49936	PL.60330	B	#4 ACSR	7.38Y	123.0	0.00	2.02	0.00	0	0	0	100	0.00	0.0	5.619	0.114	0	0	0	0
PL.60329	PL.60331	B	6 A (CWC)	7.38Y	123.0	0.00	2.02	10.40	7	75	15	98	0.00	0.0	5.447	0.012	15	3	1	5

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Balanced Voltage Drop Report
Source: Maretburg

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.51007	PL.60329	B	2 AL URD	7.38Y	123.0	0.00	2.02	5.21	3	38	8	98	0.00	0.0	5.448	0.001	0	0	0	2
PD.7679	PL.51007	B	40QA	7.38Y	123.0	0.00	2.02	5.21	13	38	8	98	0.00	0.0	5.448	0.001	0	0	0	2
PL.50382	PD.7679	B	2 AL URD	7.38Y	123.0	0.01	2.03	5.21	3	38	8	98	0.00	0.0	5.512	0.064	38	9	2	2
PL.50383	PL.50382	B	2 AL URD	7.38Y	123.0	-0.00	2.03	-0.02	0	0	0	100	0.00	0.0	5.564	0.052	0	0	0	0
PL.51008	PL.60329	B	2 AL URD	7.38Y	123.0	0.00	2.02	3.16	2	23	4	99	0.00	0.0	5.448	0.001	0	0	0	2
PD.7615	PL.51008	B	40QA	7.38Y	123.0	0.00	2.02	3.16	8	23	4	99	0.00	0.0	5.448	0.001	0	0	0	2
PL.51009	PD.7615	B	2 AL URD	7.38Y	123.0	0.00	2.02	3.16	2	23	4	99	0.00	0.0	5.463	0.014	0	0	0	2
PL.51006	PL.51009	B	2 AL URD	7.38Y	123.0	0.01	2.04	3.17	2	23	4	99	0.00	0.0	5.561	0.099	0	0	0	2
PL.49932	PL.51006	B	2 AL URD	7.38Y	123.0	0.01	2.04	3.17	2	23	4	99	0.00	0.0	5.615	0.054	0	0	0	2
PL.49748	PL.49932	B	2 AL URD	7.38Y	123.0	0.01	2.05	3.18	2	23	4	99	0.00	0.0	5.659	0.044	0	0	0	2
PL.49752	PL.49748	B	2 AL URD	7.38Y	122.9	0.00	2.05	3.18	2	23	4	99	0.00	0.0	5.692	0.033	0	0	0	2
PL.49929	PL.49752	B	2 AL URD	7.38Y	122.9	0.01	2.06	3.18	2	23	5	98	0.00	0.0	5.764	0.072	0	0	0	2
PL.50318	PL.49929	B	2 AL URD	7.38Y	122.9	0.00	2.06	3.19	2	23	5	98	0.00	0.0	5.817	0.054	12	3	1	2
PL.50317	PL.50318	B	2 AL URD	7.38Y	122.9	0.00	2.06	1.54	1	11	2	98	0.00	0.0	5.872	0.054	11	3	1	1
PL.50965	PL.50317	B	2 AL URD	7.38Y	122.9	0.00	2.06	-0.02	0	0	0	100	0.00	0.0	5.906	0.034	0	0	0	0
PL.46793	PL.50996	B	6 A (CWC)	7.41Y	123.6	0.00	1.44	13.05	9	94	22	97	0.00	0.0	4.675	0.005	0	0	0	12
PD.7644	PL.46793	B	40QA	7.41Y	123.6	0.00	1.44	13.05	33	94	22	97	0.00	0.0	4.675	0.005	0	0	0	12
PL.46794	PD.7644	B	6 A (CWC)	7.41Y	123.5	0.05	1.49	13.05	9	94	22	97	0.03	0.0	4.758	0.083	0	0	0	12
PL.50997	PL.46794	B	6 A (CWC)	7.41Y	123.5	0.04	1.53	13.05	9	94	22	97	0.03	0.0	4.832	0.074	14	3	1	12
PL.63688	PL.50997	B	6 A (CWC)	7.41Y	123.4	0.03	1.56	11.11	8	80	19	97	0.02	0.0	4.894	0.063	0	0	0	11
PL.63690	PL.63688	B	#1/0 ACSR	7.41Y	123.4	0.00	1.56	0.00	0	0	0	100	0.00	0.0	4.927	0.033	0	0	0	0
PL.63691	PL.63690	B	#1/0 ACSR	7.41Y	123.4	0.00	1.56	0.00	0	0	0	100	0.00	0.0	4.967	0.040	0	0	0	0
PL.63689	PL.63688	B	6 A (CWC)	7.40Y	123.4	0.06	1.62	11.11	8	80	19	97	0.03	0.0	5.011	0.116	0	0	1	11
PL.51707	PL.63689	B	6 A (CWC)	7.40Y	123.4	0.02	1.64	5.44	4	39	9	97	0.01	0.0	5.108	0.098	0	0	0	6
PL.51708	PL.51707	B	6 A (CWC)	7.40Y	123.3	0.02	1.66	5.44	4	39	9	97	0.00	0.0	5.176	0.068	0	0	0	6
PL.51709	PL.51708	B	6 A (CWC)	7.40Y	123.3	0.02	1.68	5.44	4	39	9	97	0.00	0.0	5.247	0.071	7	2	2	6
PL.51000	PL.51709	B	6 A (CWC)	7.39Y	123.2	0.11	1.78	4.51	3	32	8	97	0.03	0.1	5.778	0.531	0	0	0	4
PL.49777	PL.51000	B	#4 ACSR	7.39Y	123.2	0.00	1.79	0.60	0	4	1	97	0.00	0.0	5.875	0.098	4	1	1	1
PL.51001	PL.51000	B	6 A (CWC)	7.39Y	123.2	0.00	1.79	3.90	3	28	7	97	0.00	0.0	5.806	0.028	12	3	2	3
PL.51002	PL.51001	B	6 A (CWC)	7.39Y	123.2	0.00	1.79	2.24	2	16	4	97	0.00	0.0	5.856	0.049	16	4	1	1
PL.50998	PL.51709	B	6 A (CWC)	7.40Y	123.3	0.00	1.68	0.00	0	0	0	100	0.00	0.0	5.321	0.074	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: Maretburg

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.50999	PL.50998	B	6 A (CWC)	7.40Y	123.3	0.00	1.68	0.00	0	0	0	100	0.00	0.0	5.453	0.131	0	0	0	0
PL.49856	PL.63689	B	#4 ACSR	7.40Y	123.4	0.01	1.63	5.67	4	41	9	98	0.00	0.0	5.037	0.026	0	0	0	4
PL.49857	PL.49856	B	#4 ACSR	7.40Y	123.4	0.02	1.64	5.67	4	41	9	98	0.01	0.0	5.107	0.071	0	0	1	4
PL.50966	PL.49857	B	#4 ACSR	7.40Y	123.3	0.03	1.68	5.66	4	41	9	98	0.01	0.0	5.278	0.171	19	4	1	3
PL.50967	PL.50966	B	#4 ACSR	7.40Y	123.3	0.01	1.69	3.03	2	22	5	98	0.00	0.0	5.341	0.063	0	0	0	2
PL.50312	PL.50967	B	6 A (CWC)	7.40Y	123.3	0.00	1.69	1.62	1	12	3	97	0.00	0.0	5.440	0.098	12	3	1	1
PL.50968	PL.50967	B	#4 ACSR	7.40Y	123.3	0.00	1.69	1.41	1	10	2	98	0.00	0.0	5.373	0.032	10	2	1	1
PL.50992	PL.50991	A	#4 ACSR	7.43Y	123.8	0.00	1.23	1.67	1	12	3	97	0.00	0.0	4.446	0.014	0	0	0	3
PD.7667	PL.50992	A	25T	7.43Y	123.8	0.00	1.23	1.67	0	12	3	97	0.00	0.0	4.446	0.014	0	0	0	3
PL.50993	PD.7667	A	#4 ACSR	7.43Y	123.8	0.00	1.23	1.67	1	12	3	97	0.00	0.0	4.483	0.037	12	3	3	3
PL.57663	PL.50993	A	#4 ACSR	7.43Y	123.8	0.00	1.23	0.00	0	0	0	100	0.00	0.0	4.502	0.019	0	0	0	0
PL.50273	PL.50984	A	#4 ACSR	7.45Y	124.2	0.00	0.78	0.73	1	5	1	98	0.00	0.0	3.977	0.038	5	1	1	1
PL.50368	PL.50371	A	#4 ACSR	7.47Y	124.4	0.00	0.56	1.81	1	13	3	97	0.00	0.0	3.707	0.005	0	0	0	1
PD.7687	PL.50368	A	60QA	7.47Y	124.4	0.00	0.56	1.81	3	13	3	97	0.00	0.0	3.707	0.005	0	0	0	1
PL.50369	PD.7687	A	#4 ACSR	7.47Y	124.4	0.00	0.56	1.81	1	13	3	97	0.00	0.0	3.797	0.090	13	3	1	1
PL.50366	PL.50371	ABC	#1/0 ACSR	7.47Y	124.4	0.01	0.57	53.41	23	1163	282	97	0.06	0.0	3.710	0.007	0	0	0	172
C PD.7721	PL.50366	ABC	50L	7.47Y	124.4	0.00	0.57	53.41	107	1163	282	97	0.00	0.0	3.710	0.007	0	0	0	172 C
PL.50367	PD.7721	ABC	#1/0 ACSR	7.47Y	124.4	0.01	0.58	53.41	23	1163	282	97	0.09	0.0	3.721	0.011	0	0	0	172
PL.50364	PL.50367	ABC	#1/0 ACSR	7.46Y	124.4	0.05	0.63	53.41	23	1162	282	97	0.41	0.0	3.776	0.055	23	5	2	172
PL.50365	PL.50364	ABC	#1/0 ACSR	7.45Y	124.2	0.14	0.77	52.36	23	1139	276	97	1.10	0.1	3.928	0.152	7	2	1	170
PL.50949	PL.50365	B	6 A (CWC)	7.45Y	124.2	0.00	0.77	22.85	16	166	39	97	0.00	0.0	3.931	0.003	0	0	0	24
PD.7722	PL.50949	B	35H	7.45Y	124.2	0.00	0.77	22.85	65	166	39	97	0.00	0.0	3.931	0.003	0	0	0	24
PL.50950	PD.7722	B	6 A (CWC)	7.45Y	124.1	0.10	0.87	22.85	16	166	39	97	0.12	0.1	4.032	0.102	14	3	2	24
PL.50948	PL.50950	B	6 A (CWC)	7.44Y	124.0	0.12	0.99	20.91	15	152	35	97	0.13	0.1	4.154	0.122	0	0	0	22
PL.50082	PL.50948	B	6 A (CWC)	7.44Y	124.0	0.00	0.99	0.00	0	0	0	100	0.00	0.0	4.215	0.060	0	0	1	1
PL.50947	PL.50948	B	6 A (CWC)	7.43Y	123.8	0.19	1.18	20.91	15	152	35	97	0.21	0.1	4.356	0.202	0	0	0	21
PL.50951	PL.50947	B	#4 ACSR	7.42Y	123.7	0.13	1.31	15.17	12	110	26	97	0.11	0.1	4.555	0.198	0	0	0	16
PL.50084	PL.50951	B	#4 ACSR	7.42Y	123.7	0.00	1.31	3.23	2	23	5	98	0.00	0.0	4.585	0.030	10	2	1	3
PL.50085	PL.50084	B	#4 ACSR	7.42Y	123.7	0.00	1.32	1.90	1	14	3	98	0.00	0.0	4.646	0.062	2	0	1	2
PL.50952	PL.50085	B	#4 ACSR	7.42Y	123.7	0.00	1.32	1.66	1	12	3	97	0.00	0.0	4.774	0.128	12	3	1	1
PL.50083	PL.50951	B	#4 ACSR	7.42Y	123.6	0.07	1.38	11.95	9	86	20	97	0.04	0.0	4.692	0.137	12	3	1	13

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Balanced Voltage Drop Report
Source: Maretburg

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.50955	PL.50083	B	#4 ACSR	7.42Y	123.6	0.03	1.41	10.29	8	74	17	97	0.02	0.0	4.776	0.084	18	4	1	12
PL.50960	PL.50955	B	#4 ACSR	7.41Y	123.6	0.01	1.42	1.01	1	7	2	96	0.00	0.0	4.947	0.171	0	0	0	1
PL.50961	PL.50960	B	#4 ACSR	7.41Y	123.6	0.00	1.42	1.01	1	7	2	96	0.00	0.0	5.021	0.074	7	2	1	1
PL.50956	PL.50955	B	#4 ACSR	7.41Y	123.5	0.07	1.48	6.75	5	49	11	98	0.03	0.1	5.007	0.232	0	0	0	10
PL.50233	PL.50956	B	#4 ACSR	7.41Y	123.5	0.03	1.51	5.47	4	39	9	97	0.01	0.0	5.137	0.130	11	2	1	9
PL.50234	PL.50233	B	#4 ACSR	7.41Y	123.5	0.01	1.52	4.00	3	29	7	97	0.00	0.0	5.220	0.084	11	3	1	8
PL.50235	PL.50234	B	#4 ACSR	7.41Y	123.5	0.01	1.53	2.41	2	17	4	97	0.00	0.0	5.319	0.099	9	2	3	7
PL.50953	PL.50235	B	#4 ACSR	7.41Y	123.5	0.01	1.53	1.17	1	8	2	97	0.00	0.0	5.429	0.109	0	0	1	4
PL.50962	PL.50953	B	#4 ACSR	7.41Y	123.5	0.00	1.54	1.17	1	8	2	97	0.00	0.0	5.497	0.068	0	0	0	3
PL.50963	PL.50962	B	#4 ACSR	7.41Y	123.5	0.00	1.54	1.17	1	8	2	97	0.00	0.0	5.568	0.071	3	1	2	3
PL.50964	PL.50963	B	#4 ACSR	7.41Y	123.5	0.00	1.54	0.75	1	5	1	98	0.00	0.0	5.800	0.232	5	1	1	1
PL.50957	PL.50956	B	#4 ACSR	7.41Y	123.5	0.00	1.48	0.00	0	0	0	100	0.00	0.0	5.071	0.064	0	0	0	0
PL.50958	PL.50957	B	#4 ACSR	7.41Y	123.5	0.00	1.48	0.00	0	0	0	100	0.00	0.0	5.125	0.054	0	0	0	0
PL.50959	PL.50958	B	#4 ACSR	7.41Y	123.5	0.00	1.48	0.00	0	0	0	100	0.00	0.0	5.346	0.221	0	0	0	0
PL.50080	PL.50956	B	#4 ACSR	7.41Y	123.5	0.00	1.48	1.28	1	9	2	98	0.00	0.0	5.118	0.110	9	2	1	1
PL.50136	PL.50947	B	#4 ACSR	7.42Y	123.7	0.08	1.25	5.73	4	41	10	97	0.02	0.1	4.656	0.300	0	0	0	5
PL.50969	PL.50136	B	#4 ACSR	7.42Y	123.7	0.01	1.26	3.42	3	25	6	97	0.00	0.0	4.713	0.056	0	0	0	2
PL.50970	PL.50969	B	#4 ACSR	7.42Y	123.7	0.00	1.27	1.85	1	13	3	97	0.00	0.0	4.775	0.062	13	3	1	1
PL.50071	PL.50969	B	#4 ACSR	7.42Y	123.7	0.00	1.27	1.56	1	11	3	96	0.00	0.0	4.806	0.093	11	3	1	1
PL.50971	PL.50136	B	#4 ACSR	7.42Y	123.7	0.00	1.26	1.29	1	9	2	98	0.00	0.0	4.736	0.080	5	1	1	2
PL.49781	PL.50971	B	#1/0 ACSR	7.42Y	123.7	0.00	1.26	0.61	0	4	1	97	0.00	0.0	4.765	0.028	4	1	1	1
PL.50972	PL.50971	B	#4 ACSR	7.42Y	123.7	0.00	1.26	0.00	0	0	0	100	0.00	0.0	4.838	0.102	0	0	0	0
PL.50272	PL.50136	B	#4 ACSR	7.42Y	123.7	0.00	1.26	1.03	1	7	2	96	0.00	0.0	4.749	0.093	7	2	1	1
PL.50945	PL.50365	ABC	#1/0 ACSR	7.44Y	124.1	0.16	0.93	44.42	19	965	235	97	1.10	0.1	4.137	0.209	0	0	0	145
PL.50308	PL.50945	C	#1/0 ACSR	7.44Y	124.1	0.00	0.93	0.00	0	0	0	100	0.00	0.0	4.140	0.003	0	0	0	0
PD.7701	PL.50308	C	25QA	7.44Y	124.1	0.00	0.93	0.00	0	0	0	100	0.00	0.0	4.140	0.003	0	0	0	0
PL.50388	PD.7701	C	#1/0 ACSR	7.44Y	124.1	0.00	0.93	0.00	0	0	0	100	0.00	0.0	4.165	0.026	0	0	0	0
PL.50306	PL.50945	A	#1/0 ACSR	7.44Y	124.1	0.00	0.93	4.95	2	36	8	98	0.00	0.0	4.139	0.002	0	0	0	1
PD.7662	PL.50306	A	25QA	7.44Y	124.1	0.00	0.93	4.95	20	36	8	98	0.00	0.0	4.139	0.002	0	0	0	1
PL.50307	PD.7662	A	#1/0 ACSR	7.44Y	124.1	0.00	0.94	4.95	2	36	8	98	0.00	0.0	4.213	0.074	36	8	1	1
PL.50305	PL.50307	A	#1/0 ACSR	7.44Y	124.1	0.00	0.94	0.00	0	0	0	100	0.00	0.0	4.291	0.078	0	0	0	0

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Balanced Voltage Drop Report
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Title: 2010-2013 CWP - Jackson Energy Cooperative - McKee, Kentucky
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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.50946	PL.50945	ABC	#1/0 ACSR	7.44Y	124.0	0.05	0.98	42.77	19	928	225	97	0.32	0.0	4.203	0.066	0	0	0	144
PL.60862	PL.50946	ABC	#1/0 ACSR	7.43Y	123.9	0.12	1.10	42.77	19	928	225	97	0.77	0.1	4.361	0.159	12	3	1	144
PL.60861	PL.60862	ABC	#1/0 ACSR	7.43Y	123.9	0.03	1.13	42.23	18	915	222	97	0.19	0.0	4.402	0.041	0	0	0	143
PL.60860	PL.60861	ABC	#1/0 ACSR	7.43Y	123.8	0.05	1.19	42.23	18	915	222	97	0.33	0.0	4.474	0.071	14	3	1	143
PL.60859	PL.60860	ABC	#1/0 ACSR	7.41Y	123.5	0.32	1.51	41.59	18	901	218	97	2.01	0.2	4.911	0.437	0	0	0	142
PL.50943	PL.60859	C	#1/0 ACSR	7.41Y	123.5	0.00	1.51	0.33	0	2	1	89	0.00	0.0	4.913	0.002	0	0	0	1
PD.7658	PL.50943	C	40QA	7.41Y	123.5	0.00	1.51	0.33	1	2	1	89	0.00	0.0	4.913	0.002	0	0	0	1
PL.50944	PD.7658	C	#1/0 ACSR	7.41Y	123.5	0.00	1.51	0.33	0	2	1	89	0.00	0.0	4.950	0.037	2	1	1	1
PL.50942	PL.60859	ABC	#1/0 ACSR	7.40Y	123.4	0.13	1.64	41.49	18	897	216	97	0.79	0.1	5.084	0.173	0	0	0	141
PL.50795	PL.50942	ABC	#1/0 ACSR	7.40Y	123.3	0.06	1.70	41.49	18	896	215	97	0.41	0.0	5.172	0.088	0	0	0	141
PL.50794	PL.50795	ABC	#1/0 ACSR	7.39Y	123.2	0.09	1.79	41.49	18	895	214	97	0.54	0.1	5.290	0.118	3	1	2	141
PL.50792	PL.50794	A	#1/0 ACSR	7.39Y	123.2	0.00	1.79	0.00	0	0	0	100	0.00	0.0	5.292	0.002	0	0	0	0
PD.7716	PL.50792	A	25QA	7.39Y	123.2	0.00	1.79	0.00	0	0	0	100	0.00	0.0	5.292	0.002	0	0	0	0
PL.50793	PD.7716	A	#1/0 ACSR	7.39Y	123.2	0.00	1.79	0.00	0	0	0	100	0.00	0.0	5.351	0.059	0	0	0	0
PL.50789	PL.50794	ABC	#1/0 ACSR	7.39Y	123.2	0.04	1.83	41.35	18	892	213	97	0.28	0.0	5.352	0.062	10	2	1	139
PL.50788	PL.50789	ABC	#1/0 ACSR	7.39Y	123.1	0.07	1.90	40.90	18	882	211	97	0.45	0.1	5.453	0.101	1	0	1	138
PL.50787	PL.50788	ABC	#1/0 ACSR	7.38Y	123.0	0.13	2.04	40.86	18	881	210	97	0.82	0.1	5.638	0.185	1	0	1	137
PL.50786	PL.50787	ABC	#1/0 ACSR	7.37Y	122.9	0.09	2.13	40.81	18	879	209	97	0.56	0.1	5.766	0.127	12	3	1	136
PL.49528	PL.50786	ABC	#1/0 ACSR	7.37Y	122.8	0.03	2.16	40.25	18	866	206	97	0.16	0.0	5.802	0.037	16	4	1	135
PL.49629	PL.49528	ABC	#1/0 ACSR	7.37Y	122.8	0.03	2.18	39.52	17	850	202	97	0.15	0.0	5.839	0.037	7	2	1	134
PL.49693	PL.49629	ABC	#1/0 ACSR	7.37Y	122.8	0.05	2.23	31.56	14	679	162	97	0.24	0.0	5.929	0.090	0	0	0	101
PL.49530	PL.49693	ABC	#1/0 ACSR	7.36Y	122.7	0.05	2.28	30.74	13	661	158	97	0.23	0.0	6.021	0.092	4	1	1	99
PL.49531	PL.49530	ABC	#1/0 ACSR	7.36Y	122.7	0.04	2.32	30.56	13	657	156	97	0.16	0.0	6.087	0.066	0	0	0	98
PL.58524	PL.49531	ABC	#1/0 ACSR	7.36Y	122.7	0.03	2.34	30.56	13	657	156	97	0.12	0.0	6.136	0.049	3	1	1	97
PL.58525	PL.58524	ABC	#1/0 ACSR	7.36Y	122.6	0.06	2.41	30.45	13	654	156	97	0.29	0.0	6.252	0.116	0	0	0	96
PL.58526	PL.58525	ABC	#1/0 ACSR	7.35Y	122.5	0.08	2.49	29.52	13	634	151	97	0.37	0.1	6.412	0.160	0	0	0	94
PL.58528	PL.58526	A	#1/0 ACSR	7.35Y	122.5	0.00	2.49	0.00	0	0	0	100	0.00	0.0	6.416	0.004	0	0	0	0
PD.7650	PL.58528	A	40QA	7.35Y	122.5	0.00	2.49	0.00	0	0	0	100	0.00	0.0	6.416	0.004	0	0	0	0
PL.50555	PD.7650	A	#1/0 ACSR	7.35Y	122.5	0.00	2.49	0.00	0	0	0	100	0.00	0.0	6.467	0.051	0	0	0	0
PL.58527	PL.58526	ABC	#1/0 ACSR	7.35Y	122.5	0.02	2.51	29.52	13	633	150	97	0.10	0.0	6.455	0.043	16	4	2	94
PL.51756	PL.58527	C	#1/0 ACSR	7.35Y	122.5	0.00	2.51	20.05	9	144	33	97	0.00	0.0	6.456	0.001	0	0	0	23

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Balanced Voltage Drop Report
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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.7649	PL.51756	C	40QA	7.35Y	122.5	0.00	2.51	20.05	50	144	33	97	0.00	0.0	6.456	0.001	0	0	0	23
PL.51757	PD.7649	C	#1/0 ACSR	7.35Y	122.5	0.02	2.53	20.05	9	144	33	97	0.02	0.0	6.495	0.040	13	3	1	23
PL.60797	PL.51757	C	#4 ACSR	7.35Y	122.5	0.01	2.54	5.10	4	37	8	98	0.00	0.0	6.558	0.063	36	8	4	4
PL.50558	PL.51757	C	#1/0 ACSR	7.35Y	122.4	0.02	2.55	13.11	6	94	22	97	0.02	0.0	6.579	0.084	0	0	0	18
PL.50559	PL.50558	C	#1/0 ACSR	7.35Y	122.4	0.02	2.57	13.11	6	94	22	97	0.01	0.0	6.646	0.067	3	1	1	18
PL.50655	PL.50559	C	#1/0 ACSR	7.34Y	122.4	0.03	2.60	12.76	6	91	21	97	0.02	0.0	6.734	0.088	0	0	0	17
PL.50662	PL.50655	C	#1/0 ACSR	7.34Y	122.4	0.02	2.62	11.78	5	84	20	97	0.01	0.0	6.798	0.064	0	0	1	15
PL.50663	PL.50662	C	#1/0 ACSR	7.34Y	122.4	0.03	2.64	11.35	5	81	19	97	0.01	0.0	6.901	0.103	5	1	1	13
PL.50664	PL.50663	C	#1/0 ACSR	7.34Y	122.3	0.01	2.65	10.66	5	76	18	97	0.01	0.0	6.953	0.052	0	0	0	12
PL.49773	PL.50664	C	6 A (CWC)	7.34Y	122.3	0.00	2.65	0.00	0	0	0	100	0.00	0.0	7.040	0.087	0	0	0	0
PL.50665	PL.50664	C	#1/0 ACSR	7.34Y	122.3	0.03	2.68	10.66	5	76	18	97	0.01	0.0	7.058	0.105	1	0	1	12
PL.50666	PL.50665	C	#1/0 ACSR	7.34Y	122.3	0.02	2.70	10.56	5	75	18	97	0.01	0.0	7.170	0.113	12	3	3	11
PL.50221	PL.50666	C	#4 ACSR	7.34Y	122.3	0.00	2.70	0.74	1	5	1	98	0.00	0.0	7.272	0.102	5	1	1	1
PL.64474	PL.50666	C	#1/0 ACSR	7.34Y	122.3	0.01	2.71	8.15	4	58	14	97	0.00	0.0	7.219	0.049	0	0	0	7
PL.64475	PL.64474	C	#1/0 ACSR	7.34Y	122.3	0.00	2.71	8.15	4	58	14	97	0.00	0.0	7.219	0.000	9	2	1	7
PL.50785	PL.64475	C	#1/0 ACSR	7.34Y	122.3	0.01	2.72	6.82	3	49	11	98	0.00	0.0	7.267	0.048	16	4	1	6
PL.50659	PL.50785	C	#1/0 ACSR	7.34Y	122.3	0.01	2.73	4.55	2	33	8	97	0.00	0.0	7.343	0.076	0	0	0	5
PL.50132	PL.50659	C	#2 ACSR	7.34Y	122.3	0.00	2.73	1.15	1	8	2	97	0.00	0.0	7.416	0.073	8	2	1	1
PL.50660	PL.50659	C	#1/0 ACSR	7.34Y	122.3	0.01	2.73	3.40	1	24	6	97	0.00	0.0	7.449	0.106	8	2	1	4
PL.50661	PL.50660	C	#1/0 ACSR	7.34Y	122.3	0.00	2.74	2.25	1	16	4	97	0.00	0.0	7.513	0.064	3	1	1	3
PL.64696	PL.50661	C	#1/0 ACSR	7.34Y	122.3	0.01	2.74	1.78	1	13	3	97	0.00	0.0	7.658	0.145	0	0	0	2
PL.64697	PL.64696	C	#1/0 ACSR	7.34Y	122.3	0.00	2.74	1.42	1	10	2	98	0.00	0.0	7.756	0.098	10	2	1	1
PL.64698	PL.64696	C	#1/0 ACSR	7.34Y	122.3	0.00	2.74	0.35	0	3	1	95	0.00	0.0	7.730	0.071	3	1	1	1
PL.50131	PL.50660	C	#4 ACSR	7.34Y	122.3	0.00	2.73	0.00	0	0	0	100	0.00	0.0	7.550	0.102	0	0	0	0
PL.50109	PL.50662	C	#4 ACSR	7.34Y	122.4	0.00	2.62	0.40	0	3	1	95	0.00	0.0	6.843	0.045	3	1	1	1
PL.50656	PL.50655	C	#2 ACSR	7.34Y	122.4	0.00	2.60	0.97	1	7	2	96	0.00	0.0	6.752	0.018	2	1	1	2
PL.50657	PL.50656	C	#2 ACSR	7.34Y	122.4	0.00	2.60	0.67	0	5	1	98	0.00	0.0	6.838	0.086	5	1	1	1
PL.50658	PL.50657	C	#2 ACSR	7.34Y	122.4	0.00	2.60	0.00	0	0	0	100	0.00	0.0	6.862	0.024	0	0	0	0
PL.50556	PL.58527	ABC	#1/0 ACSR	7.35Y	122.5	0.00	2.51	22.09	10	474	113	97	0.00	0.0	6.458	0.003	0	0	0	69
PL.50557	PL.50556	ABC	#1/0 ACSR	7.35Y	122.5	0.03	2.54	22.09	10	474	113	97	0.10	0.0	6.537	0.079	0	0	0	69
PL.50213	PL.50557	ABC	#1/0 ACSR	7.34Y	122.4	0.08	2.62	22.09	10	474	113	97	0.25	0.1	6.731	0.193	0	0	0	69

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Balanced Voltage Drop Report
Source: Maretburg

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.50214	PL.50213	ABC	#1/0 ACSR	7.34Y	122.3	0.05	2.67	22.09	10	473	113	97	0.18	0.0	6.867	0.136	0	0	0	69
PL.63810	PL.50214	A	#1/0 ACSR	7.34Y	122.3	0.00	2.67	1.90	1	14	3	98	0.00	0.0	6.910	0.043	14	3	1	1
PL.50685	PL.50214	ABC	#1/0 ACSR	7.34Y	122.3	0.05	2.72	20.50	9	439	105	97	0.16	0.0	7.010	0.143	0	0	0	67
PL.50698	PL.50685	A	#1/0 ACSR	7.34Y	122.3	0.00	2.72	1.44	1	10	2	98	0.00	0.0	7.012	0.002	0	0	0	1
PD.7660	PL.50698	A	40QA	7.34Y	122.3	0.00	2.72	1.44	4	10	2	98	0.00	0.0	7.012	0.002	0	0	0	1
PL.50699	PD.7660	A	#1/0 ACSR	7.34Y	122.3	0.00	2.73	1.44	1	10	2	98	0.00	0.0	7.104	0.092	10	2	1	1
PL.50691	PL.50685	ABC	#1/0 ACSR	7.34Y	122.3	0.02	2.74	20.02	9	429	102	97	0.06	0.0	7.066	0.056	0	0	0	66
PL.50700	PL.50691	ABC	#1/0 ACSR	7.33Y	122.1	0.14	2.88	19.90	9	426	102	97	0.42	0.1	7.462	0.396	0	0	0	65
PL.50701	PL.50700	A	#1/0 ACSR	7.33Y	122.1	0.00	2.88	0.31	0	2	1	89	0.00	0.0	7.464	0.002	0	0	0	1
PD.7698	PL.50701	A	40QA	7.33Y	122.1	0.00	2.88	0.31	1	2	1	89	0.00	0.0	7.464	0.002	0	0	0	1
PL.49955	PD.7698	A	#1/0 ACSR	7.33Y	122.1	0.00	2.88	0.31	0	2	1	89	0.00	0.0	7.488	0.024	2	1	1	1
PL.49956	PL.50700	C	#1/0 ACSR	7.33Y	122.1	0.00	2.88	0.36	0	3	1	95	0.00	0.0	7.464	0.002	0	0	0	1
PD.7657	PL.49956	C	40QA	7.33Y	122.1	0.00	2.88	0.36	1	3	1	95	0.00	0.0	7.464	0.002	0	0	0	1
PL.60777	PD.7657	C	#1/0 ACSR	7.33Y	122.1	0.00	2.88	0.36	0	3	1	95	0.00	0.0	7.550	0.086	3	1	1	1
PL.60778	PL.60777	C	#1/0 ACSR	7.33Y	122.1	0.00	2.88	0.00	0	0	0	100	0.00	0.0	7.607	0.057	0	0	0	0
PL.49957	PL.50700	ABC	#1/0 ACSR	7.32Y	122.1	0.03	2.92	19.68	9	421	100	97	0.10	0.0	7.559	0.097	0	0	0	63
PL.49959	PL.49957	A	#1/0 ACSR	7.32Y	122.1	0.00	2.92	2.11	1	15	3	98	0.00	0.0	7.561	0.003	0	0	0	1
PD.7656	PL.49959	A	40QA	7.32Y	122.1	0.00	2.92	2.11	5	15	3	98	0.00	0.0	7.561	0.003	0	0	0	1
PL.49960	PD.7656	A	#1/0 ACSR	7.32Y	122.1	0.00	2.92	2.11	1	15	3	98	0.00	0.0	7.607	0.046	15	3	1	1
PL.49958	PL.49957	ABC	#1/0 ACSR	7.32Y	122.1	0.03	2.95	18.97	8	406	96	97	0.08	0.0	7.647	0.088	0	0	0	62
PL.49961	PL.49958	C	6 A (CWC)	7.32Y	122.1	0.00	2.95	2.29	2	16	4	97	0.00	0.0	7.653	0.007	0	0	0	2
PD.7659	PL.49961	C	40QA	7.32Y	122.1	0.00	2.95	2.29	6	16	4	97	0.00	0.0	7.653	0.007	0	0	0	2
PL.49962	PD.7659	C	6 A (CWC)	7.32Y	122.0	0.01	2.95	2.29	2	16	4	97	0.00	0.0	7.732	0.078	3	1	1	2
PL.49963	PL.49962	C	6 A (CWC)	7.32Y	122.0	0.01	2.96	1.92	1	14	3	98	0.00	0.0	7.790	0.058	0	0	0	1
PL.49964	PL.49963	C	6 A (CWC)	7.32Y	122.0	0.00	2.96	1.92	1	14	3	98	0.00	0.0	7.818	0.029	14	3	1	1
PL.50277	PL.49962	C	#2 ACSR	7.32Y	122.0	0.00	2.95	0.00	0	0	0	100	0.00	0.0	7.762	0.030	0	0	0	0
PL.49965	PL.49958	ABC	#1/0 ACSR	7.32Y	122.0	0.04	2.99	18.21	8	389	93	97	0.11	0.0	7.773	0.126	0	0	0	60
PL.49966	PL.49965	ABC	#1/0 ACSR	7.32Y	122.0	0.03	3.01	18.21	8	389	93	97	0.07	0.0	7.851	0.078	0	0	0	60
PL.52265	PL.49966	C	#1/0 ACSR	7.32Y	122.0	0.00	3.01	0.91	0	7	2	96	0.00	0.0	7.852	0.001	0	0	0	3
PD.7967	PL.52265	C	40QA	7.32Y	122.0	0.00	3.01	0.91	2	7	2	96	0.00	0.0	7.852	0.001	0	0	0	3
PL.52266	PD.7967	C	#1/0 ACSR	7.32Y	122.0	0.00	3.01	0.91	0	7	2	96	0.00	0.0	7.896	0.044	3	1	2	3

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Balanced Voltage Drop Report
Source: Maretburg

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.50597	PL.52266	C	#1/0 ACSR	7.32Y	122.0	0.00	3.01	0.52	0	4	1	97	0.00	0.0	7.924	0.028	4	1	1	1
PL.49833	PL.49966	ABC	#1/0 ACSR	7.32Y	121.9	0.06	3.07	17.91	8	383	91	97	0.17	0.0	8.047	0.197	5	1	1	57
PL.49834	PL.49833	ABC	#1/0 ACSR	7.31Y	121.9	0.03	3.10	17.68	8	377	90	97	0.08	0.0	8.138	0.091	0	0	0	56
PL.50115	PL.49834	ABC	#1/0 ACSR	7.31Y	121.9	0.03	3.13	16.48	7	352	84	97	0.08	0.0	8.245	0.107	0	0	0	52
PL.50215	PL.50115	A	#1/0 ACSR	7.31Y	121.9	0.00	3.13	8.60	4	61	14	97	0.00	0.0	8.247	0.002	0	0	0	12
PD.7725	PL.50215	A	35L	7.31Y	121.9	0.00	3.13	8.60	25	61	14	97	0.00	0.0	8.247	0.002	0	0	0	12
PL.50216	PD.7725	A	#1/0 ACSR	7.31Y	121.9	0.01	3.14	8.60	4	61	14	97	0.00	0.0	8.294	0.047	0	0	0	12
PL.50218	PL.50216	A	#1/0 ACSR	7.31Y	121.8	0.08	3.22	8.60	4	61	14	97	0.03	0.1	8.729	0.435	6	1	2	12
PL.63862	PL.50218	A	#1/0 ACSR	7.31Y	121.8	0.02	3.24	7.81	3	56	13	97	0.01	0.0	8.819	0.090	0	0	0	10
PL.63864	PL.63862	A	#1/0 ACSR	7.30Y	121.7	0.03	3.26	2.08	1	15	3	98	0.00	0.0	9.353	0.534	0	0	0	1
PL.63865	PL.63864	A	#1/0 ACSR	7.30Y	121.7	0.00	3.26	2.08	1	15	3	98	0.00	0.0	9.363	0.010	0	0	0	1
PD.7634	PL.63865	A	60QA	7.30Y	121.7	0.00	3.26	2.08	3	15	3	98	0.00	0.0	9.363	0.010	0	0	0	1
PL.63861	PD.7634	A	#1/0 ACSR	7.30Y	121.7	0.00	3.27	2.08	1	15	3	98	0.00	0.0	9.375	0.011	0	0	0	1
PL.61938	PL.63861	A	6 A (CWC)	7.30Y	121.7	0.00	3.27	0.00	0	0	0	100	0.00	0.0	9.379	0.004	0	0	0	0
PL.50056	PL.63861	A	#2 ACSR	7.30Y	121.7	0.00	3.27	2.08	1	15	3	98	0.00	0.0	9.441	0.067	15	3	1	1
PL.63863	PL.63862	A	6 A (CWC)	7.30Y	121.7	0.04	3.28	5.73	4	41	9	98	0.01	0.0	8.978	0.159	0	0	0	9
PL.50224	PL.63863	A	6 A (CWC)	7.30Y	121.7	0.02	3.30	5.73	4	41	9	98	0.01	0.0	9.064	0.086	0	0	1	9
PL.49611	PL.50224	A	6 A (CWC)	7.30Y	121.7	0.05	3.35	5.66	4	40	9	98	0.01	0.0	9.248	0.184	0	0	0	8
PL.50065	PL.49611	A	#4 ACSR	7.30Y	121.7	0.00	3.35	0.38	0	3	1	95	0.00	0.0	9.266	0.018	3	1	1	1
PL.49944	PL.49611	A	#4 ACSR	7.30Y	121.6	0.02	3.37	5.29	4	38	9	97	0.01	0.0	9.333	0.086	3	1	1	7
PL.49945	PL.49944	A	#4 ACSR	7.30Y	121.6	0.02	3.39	4.85	4	35	8	97	0.01	0.0	9.429	0.096	0	0	1	6
PL.61942	PL.49945	A	#4 ACSR	7.29Y	121.6	0.06	3.44	4.78	4	34	8	97	0.01	0.0	9.694	0.265	0	0	0	5
PL.49946	PL.61942	A	6 A (CWC)	7.29Y	121.5	0.02	3.46	3.70	3	26	6	97	0.00	0.0	9.810	0.116	0	0	1	4
PL.49947	PL.49946	A	6 A (CWC)	7.29Y	121.5	0.02	3.48	3.69	3	26	6	97	0.00	0.0	9.983	0.173	16	4	2	3
PL.49763	PL.49947	A	#4 ACSR	7.29Y	121.5	0.00	3.48	0.00	0	0	0	100	0.00	0.0	10.198	0.215	0	0	0	0
PL.50270	PL.49947	A	6 A (CWC)	7.29Y	121.5	0.00	3.49	1.45	1	10	2	98	0.00	0.0	10.028	0.045	10	2	1	1
PL.49720	PL.61942	A	#4 ACSR	7.29Y	121.6	0.00	3.45	1.08	1	8	2	97	0.00	0.0	9.799	0.106	8	2	1	1
PL.49836	PL.50115	A C	6 A (CWC)	7.31Y	121.8	0.05	3.18	20.42	15	290	69	97	0.11	0.0	8.300	0.055	0	0	0	40
PL.49837	PL.49836	A C	6 A (CWC)	7.30Y	121.7	0.10	3.28	19.42	14	276	66	97	0.22	0.1	8.424	0.124	0	0	1	39
PL.51759	PL.49837	C	#4 ACSR	7.30Y	121.7	0.00	3.28	0.00	0	0	0	100	0.00	0.0	8.424	0.000	0	0	0	0
PD.7637	PL.51759	C	40QA	7.30Y	121.7	0.00	3.28	0.00	0	0	0	100	0.00	0.0	8.424	0.000	0	0	0	0

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Balanced Voltage Drop Report
Source: Maretburg

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.51760	PD.7637	C	#4 ACSR	7.30Y	121.7	0.00	3.28	0.00	0	0	0	100	0.00	0.0	8.424	0.000	0	0	0	0
PL.51758	PL.51760	C	#4 ACSR	7.30Y	121.7	0.00	3.28	0.00	0	0	0	100	0.00	0.0	8.608	0.183	0	0	0	0
PL.49552	PL.51760	C	6 A (CWC)	7.30Y	121.7	0.00	3.28	0.00	0	0	0	100	0.00	0.0	8.483	0.059	0	0	0	0
PL.52241	PL.49837	A C	6 A (CWC)	7.30Y	121.7	0.00	3.28	19.42	14	276	66	97	0.00	0.0	8.425	0.001	0	0	0	38
PL.52242	PL.52241	A C	6 A (CWC)	7.30Y	121.7	0.06	3.35	19.42	14	276	66	97	0.14	0.0	8.502	0.077	0	0	0	38
PL.52323	PL.52242	A C	6 A (CWC)	7.30Y	121.6	0.02	3.37	19.42	14	276	66	97	0.05	0.0	8.529	0.027	0	0	0	38
PL.52274	PL.52323	A C	6 A (CWC)	7.30Y	121.6	0.00	3.37	19.42	14	276	66	97	0.00	0.0	8.530	0.000	0	0	0	38
PL.52275	PL.52274	A C	6 A (CWC)	7.30Y	121.6	0.00	3.37	19.42	14	276	66	97	0.00	0.0	8.532	0.002	0	0	0	38
PD.8016	PL.52275	A C	35L	7.30Y	121.6	0.00	3.37	19.42	55	276	66	97	0.00	0.0	8.532	0.002	0	0	0	38
PL.52279	PD.8016	A C	6 A (CWC)	7.28Y	121.3	0.33	3.70	19.42	14	276	66	97	0.69	0.3	8.934	0.402	5	1	1	38
PL.52277	PL.52279	C	6 A (CWC)	7.28Y	121.3	0.00	3.70	0.38	0	3	1	95	0.00	0.0	8.938	0.003	0	0	0	1
PD.7635	PL.52277	C	25QA	7.28Y	121.3	0.00	3.70	0.38	2	3	1	95	0.00	0.0	8.938	0.003	0	0	0	1
PL.50702	PD.7635	C	6 A (CWC)	7.28Y	121.3	0.00	3.70	0.38	0	3	1	95	0.00	0.0	9.069	0.131	0	0	0	1
PL.50703	PL.50702	C	6 A (CWC)	7.28Y	121.3	0.01	3.71	0.38	0	3	1	95	0.00	0.0	9.381	0.312	0	0	0	1
PL.50704	PL.50703	C	6 A (CWC)	7.28Y	121.3	0.00	3.71	0.38	0	3	1	95	0.00	0.0	9.562	0.181	3	1	1	1
PL.52276	PL.52279	C	6 A (CWC)	7.28Y	121.3	0.00	3.70	0.17	0	1	0	100	0.00	0.0	8.940	0.006	0	0	0	1
PD.7683	PL.52276	C	25QA	7.28Y	121.3	0.00	3.70	0.17	1	1	0	100	0.00	0.0	8.940	0.006	0	0	0	1
PL.49839	PD.7683	C	6 A (CWC)	7.28Y	121.3	0.00	3.70	0.17	0	1	0	100	0.00	0.0	9.086	0.146	1	0	1	1
PL.52278	PL.52279	A C	6 A (CWC)	7.27Y	121.2	0.14	3.84	18.79	13	266	63	97	0.29	0.1	9.114	0.180	0	0	0	35
PL.52325	PL.52278	A C	6 A (CWC)	7.27Y	121.1	0.05	3.89	18.79	13	266	63	97	0.09	0.0	9.172	0.058	0	0	0	35
PL.52327	PL.52325	C	6 A (CWC)	7.25Y	120.8	0.28	4.17	37.40	27	264	63	97	0.57	0.2	9.339	0.167	0	0	0	34
PL.50753	PL.52327	C	6 A (CWC)	7.23Y	120.4	0.40	4.57	36.81	26	260	62	97	0.78	0.3	9.580	0.241	5	1	1	31
PL.50754	PL.50753	C	6 A (CWC)	7.22Y	120.3	0.16	4.73	36.15	26	254	60	97	0.32	0.1	9.682	0.102	8	2	1	30
PL.50755	PL.50754	C	6 A (CWC)	7.21Y	120.1	0.16	4.89	34.97	25	246	58	97	0.30	0.1	9.788	0.106	16	4	1	29
PL.50756	PL.50755	C	6 A (CWC)	7.20Y	120.0	0.09	4.99	32.74	23	230	54	97	0.16	0.1	9.853	0.064	16	4	1	28
PL.52240	PL.50756	C	6 A (CWC)	7.19Y	119.9	0.15	5.13	30.49	22	214	50	97	0.24	0.1	9.960	0.107	2	0	1	27
PL.53169	PL.52240	C	6 A (CWC)	7.18Y	119.7	0.12	5.26	30.21	22	212	50	97	0.19	0.1	10.058	0.098	31	7	1	26
PL.52886	PL.53169	C	#1/0 ACSR	7.18Y	119.7	0.02	5.27	25.77	11	180	42	97	0.02	0.0	10.090	0.031	0	0	0	25
PL.52887	PL.52886	C	#1/0 ACSR	7.18Y	119.7	0.02	5.30	25.77	11	180	42	97	0.03	0.0	10.132	0.043	0	0	0	25
PL.53170	PL.52887	C	#1/0 ACSR	7.18Y	119.7	0.02	5.32	25.77	11	180	42	97	0.02	0.0	10.166	0.034	0	0	0	25
PL.52885	PL.53170	C	#1/0 ACSR	7.18Y	119.7	0.03	5.35	25.77	11	180	42	97	0.04	0.0	10.218	0.052	0	0	0	25

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: Maretburg

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.60864	PL.52885	C	#1/0 ACSR	7.18Y	119.6	0.01	5.36	25.77	11	180	42	97	0.01	0.0	10.233	0.015	13	3	1	25
PL.60863	PL.60864	C	#1/0 ACSR	7.17Y	119.5	0.18	5.54	23.93	10	167	39	97	0.21	0.1	10.574	0.341	6	1	1	24
PL.52335	PL.60863	C	#1/0 ACSR	7.16Y	119.4	0.06	5.60	23.11	10	161	38	97	0.07	0.0	10.693	0.119	0	0	0	23
PL.52339	PL.52335	C	#4 ACSR	7.16Y	119.3	0.10	5.70	23.11	18	161	38	97	0.13	0.1	10.791	0.098	0	0	0	23
PL.52343	PL.52339	C	#4 ACSR	7.16Y	119.3	0.00	5.70	11.24	9	78	18	97	0.00	0.0	10.793	0.002	0	0	0	8
PD.8014	PL.52343	C	25QA	7.16Y	119.3	0.00	5.70	11.24	45	78	18	97	0.00	0.0	10.793	0.002	0	0	0	8
PL.52342	PD.8014	C	#4 ACSR	7.15Y	119.2	0.12	5.82	11.24	9	78	18	97	0.07	0.1	11.032	0.239	0	0	0	8
PL.52338	PL.52342	C	#4 ACSR	7.15Y	119.1	0.06	5.88	11.24	9	78	18	97	0.04	0.0	11.160	0.128	4	1	1	8
PL.50747	PL.52338	C	#4 ACSR	7.14Y	119.1	0.06	5.94	10.62	8	74	17	97	0.04	0.0	11.295	0.135	0	0	0	7
PL.50748	PL.50747	C	#4 ACSR	7.14Y	119.0	0.05	5.99	9.88	8	69	16	97	0.03	0.0	11.404	0.109	0	0	0	6
PL.49980	PL.50748	C	#2 ACSR	7.14Y	119.0	0.00	5.99	1.78	1	12	3	97	0.00	0.0	11.427	0.024	12	3	1	1
PL.50749	PL.50748	C	#4 ACSR	7.14Y	119.0	0.05	6.04	8.10	6	56	13	97	0.02	0.0	11.532	0.128	0	0	0	5
PL.49320	PL.50749	C	#4 ACSR	7.14Y	119.0	0.01	6.04	1.66	1	12	3	97	0.00	0.0	11.685	0.153	12	3	1	1
PL.50750	PL.50749	C	#4 ACSR	7.14Y	119.0	0.00	6.04	6.44	5	45	10	98	0.00	0.0	11.550	0.019	10	2	1	4
PL.50751	PL.50750	C	#4 ACSR	7.14Y	119.0	0.01	6.05	4.96	4	34	8	97	0.00	0.0	11.595	0.045	23	5	2	3
PL.50096	PL.50751	C	#4 ACSR	7.14Y	119.0	0.00	6.05	0.00	0	0	0	100	0.00	0.0	11.951	0.357	0	0	0	0
PL.50752	PL.50751	C	#4 ACSR	7.14Y	118.9	0.01	6.06	1.61	1	11	3	96	0.00	0.0	11.900	0.306	11	3	1	1
PL.50079	PL.50747	C	#4 ACSR	7.14Y	119.1	0.00	5.95	0.75	1	5	1	98	0.00	0.0	11.425	0.130	5	1	1	1
PL.52340	PL.52339	C	#4 ACSR	7.16Y	119.3	0.00	5.70	11.86	9	83	19	97	0.00	0.0	10.792	0.001	0	0	0	15
PD.8013	PL.52340	C	25QA	7.16Y	119.3	0.00	5.70	11.86	47	83	19	97	0.00	0.0	10.792	0.001	0	0	0	15
PL.52341	PD.8013	C	#4 ACSR	7.15Y	119.1	0.17	5.88	11.86	9	83	19	97	0.11	0.1	11.137	0.345	5	1	1	15
PL.52336	PL.52341	C	#4 ACSR	7.15Y	119.1	0.00	5.88	0.00	0	0	0	100	0.00	0.0	11.235	0.098	0	0	0	0
PL.52337	PL.52341	C	#4 ACSR	7.14Y	119.0	0.10	5.98	11.08	9	77	18	97	0.06	0.1	11.346	0.209	0	0	0	14
PL.50707	PL.52337	C	#4 ACSR	7.14Y	119.0	0.02	6.00	9.91	8	69	16	97	0.01	0.0	11.388	0.042	0	0	0	13
PL.50708	PL.50707	C	#4 ACSR	7.14Y	119.0	0.04	6.04	9.91	8	69	16	97	0.02	0.0	11.490	0.102	15	3	1	13
PL.50731	PL.50708	C	#4 ACSR	7.14Y	118.9	0.02	6.06	7.79	6	54	13	97	0.01	0.0	11.552	0.062	5	1	1	12
PL.50732	PL.50731	C	#4 ACSR	7.13Y	118.9	0.04	6.10	7.07	5	49	11	98	0.02	0.0	11.686	0.134	0	0	0	11
PL.50118	PL.50732	C	#4 ACSR	7.13Y	118.9	0.00	6.10	0.92	1	6	1	99	0.00	0.0	11.751	0.065	6	1	1	1
PL.50733	PL.50732	C	#4 ACSR	7.13Y	118.9	0.01	6.11	6.15	5	43	10	97	0.00	0.0	11.743	0.057	11	3	1	10
PL.50734	PL.50733	C	#2 ACSR	7.13Y	118.9	0.00	6.12	0.38	0	3	1	95	0.00	0.0	12.167	0.424	0	0	0	1
PL.50735	PL.50734	C	#2 ACSR	7.13Y	118.9	0.00	6.12	0.38	0	3	1	95	0.00	0.0	12.260	0.093	3	1	1	1

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

Balanced Voltage Drop Report
Source: Maretburg

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.50736	PL.50733	C	#4 ACSR	7.13Y	118.8	0.05	6.16	4.15	3	29	7	97	0.01	0.0	12.003	0.259	0	0	1	8
PL.50737	PL.50736	C	#4 ACSR	7.13Y	118.8	0.01	6.17	4.11	3	29	7	97	0.00	0.0	12.072	0.070	0	0	0	7
PL.49688	PL.50737	C	#4 ACSR	7.13Y	118.8	0.00	6.17	0.00	0	0	0	100	0.00	0.0	12.135	0.063	0	0	0	0
PL.60794	PL.50737	C	#4 ACSR	7.13Y	118.8	0.03	6.20	4.11	3	29	7	97	0.01	0.0	12.254	0.182	0	0	1	7
PL.60795	PL.60794	C	#4 ACSR	7.13Y	118.8	0.03	6.24	3.11	2	22	5	98	0.01	0.0	12.502	0.248	0	0	0	5
PL.50738	PL.60795	C	#4 ACSR	7.12Y	118.7	0.02	6.26	3.11	2	22	5	98	0.00	0.0	12.660	0.158	0	0	0	5
PL.50744	PL.50738	C	6 A (CWC)	7.12Y	118.7	0.02	6.28	2.16	2	15	3	98	0.00	0.0	13.139	0.478	15	3	1	1
PL.50745	PL.50744	C	6 A (CWC)	7.12Y	118.7	0.00	6.28	0.00	0	0	0	100	0.00	0.0	13.467	0.328	0	0	0	0
PL.50746	PL.50745	C	6 A (CWC)	7.12Y	118.7	0.00	6.28	0.00	0	0	0	100	0.00	0.0	13.517	0.050	0	0	0	0
PL.50739	PL.50738	C	6 A (CWC)	7.12Y	118.7	0.01	6.27	0.95	1	7	2	96	0.00	0.0	12.906	0.246	0	0	0	4
PL.50740	PL.50739	C	6 A (CWC)	7.12Y	118.7	0.01	6.28	0.95	1	7	2	96	0.00	0.0	13.069	0.163	0	0	0	4
PL.50075	PL.50740	C	#2 ACSR	7.12Y	118.7	0.00	6.28	0.00	0	0	0	100	0.00	0.0	13.112	0.043	0	0	2	2
PL.50741	PL.50740	C	6 A (CWC)	7.12Y	118.7	0.03	6.31	0.95	1	7	2	96	0.00	0.0	13.814	0.745	0	0	0	2
PL.63669	PL.50741	C	6 A (CWC)	7.12Y	118.7	0.01	6.32	0.95	1	7	2	96	0.00	0.0	14.010	0.196	0	0	0	2
PL.63670	PL.63669	C	6 A (CWC)	7.12Y	118.7	0.01	6.32	0.95	1	7	2	96	0.00	0.0	14.278	0.268	7	2	2	2
PL.50742	PL.63670	C	6 A (CWC)	7.12Y	118.7	0.00	6.32	0.00	0	0	0	100	0.00	0.0	14.711	0.433	0	0	0	0
PL.50101	PL.50742	C	6 A (CWC)	7.12Y	118.7	0.00	6.32	0.00	0	0	0	100	0.00	0.0	14.854	0.144	0	0	0	0
PL.50743	PL.50742	C	6 A (CWC)	7.12Y	118.7	0.00	6.32	0.00	0	0	0	100	0.00	0.0	14.835	0.124	0	0	0	0
PL.63671	PL.63669	C	6 A (CWC)	7.12Y	118.7	0.00	6.32	0.00	0	0	0	100	0.00	0.0	14.057	0.047	0	0	0	0
PL.49637	PL.50741	C	6 A (CWC)	7.12Y	118.7	0.00	6.31	0.00	0	0	0	100	0.00	0.0	13.911	0.097	0	0	0	0
PL.63956	PL.60794	C	#1/0 ACSR	7.13Y	118.8	0.00	6.21	1.01	0	7	2	96	0.00	0.0	12.348	0.093	0	0	0	1
PL.63957	PL.63956	C	#1/0 ACSR	7.13Y	118.8	0.00	6.21	1.01	0	7	2	96	0.00	0.0	12.385	0.038	7	2	1	1
PL.50222	PL.52337	C	#4 ACSR	7.14Y	119.0	0.00	5.98	1.17	1	8	2	97	0.00	0.0	11.395	0.049	8	2	1	1
PL.52331	PL.52327	C	6 A (CWC)	7.25Y	120.8	0.00	4.17	0.59	0	4	1	97	0.00	0.0	9.414	0.075	4	1	2	3
PL.52328	PL.52331	C	#4 ACSR	7.25Y	120.8	0.00	4.17	0.00	0	0	0	100	0.00	0.0	9.484	0.070	0	0	0	0
PL.52332	PL.52331	C	6 A (CWC)	7.25Y	120.8	0.00	4.17	0.00	0	0	0	100	0.00	0.0	9.416	0.002	0	0	0	1
PD.8012	PL.52332	C	40QA	7.25Y	120.8	0.00	4.17	0.00	0	0	0	100	0.00	0.0	9.416	0.002	0	0	0	1
PL.52333	PD.8012	C	6 A (CWC)	7.25Y	120.8	0.00	4.17	0.00	0	0	0	100	0.00	0.0	9.810	0.395	0	0	0	1
PL.52330	PL.52333	C	6 A (CWC)	7.25Y	120.8	0.00	4.17	0.00	0	0	0	100	0.00	0.0	9.896	0.085	0	0	1	1
PL.50389	PL.52330	C	6 A (CWC)	7.25Y	120.8	0.00	4.17	0.00	0	0	0	100	0.00	0.0	10.130	0.235	0	0	0	0
PL.49687	PL.50389	C	6 A (CWC)	7.25Y	120.8	0.00	4.17	0.00	0	0	0	100	0.00	0.0	10.358	0.227	0	0	0	0

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Balanced Voltage Drop Report
Source: Maretburg

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.52329	PL.52333	C	6 A (CWC)	7.25Y	120.8	0.00	4.17	0.00	0	0	0	100	0.00	0.0	10.261	0.450	0	0	0	0
PL.52326	PL.52325	C	#4 ACSR	7.27Y	121.1	0.00	3.89	0.18	0	1	0	100	0.00	0.0	9.176	0.004	0	0	0	1
PD.8011	PL.52326	C	40QA	7.27Y	121.1	0.00	3.89	0.18	0	1	0	100	0.00	0.0	9.176	0.004	0	0	0	1
PL.50705	PD.8011	C	#4 ACSR	7.27Y	121.1	0.00	3.89	0.18	0	1	0	100	0.00	0.0	9.422	0.246	0	0	0	1
PL.50706	PL.50705	C	#4 ACSR	7.27Y	121.1	0.00	3.89	0.18	0	1	0	100	0.00	0.0	9.637	0.215	0	0	0	1
PL.50278	PL.50706	C	#4 ACSR	7.27Y	121.1	0.00	3.89	0.00	0	0	0	100	0.00	0.0	9.720	0.083	0	0	0	0
PL.52334	PL.50706	C	#4 ACSR	7.27Y	121.1	0.00	3.89	0.18	0	1	0	100	0.00	0.0	9.750	0.113	1	0	1	1
PL.49774	PL.50705	C	#4 ACSR	7.27Y	121.1	0.00	3.89	0.00	0	0	0	100	0.00	0.0	9.471	0.049	0	0	0	0
PL.52324	PL.52323	C	6 A (CWC)	7.30Y	121.6	0.00	3.37	0.00	0	0	0	100	0.00	0.0	8.531	0.002	0	0	0	0
PD.7636	PL.52324	C	40QA	7.30Y	121.6	0.00	3.37	0.00	0	0	0	100	0.00	0.0	8.531	0.002	0	0	0	0
PL.49838	PD.7636	C	6 A (CWC)	7.30Y	121.6	0.00	3.37	0.00	0	0	0	100	0.00	0.0	8.631	0.100	0	0	0	0
PL.50220	PL.49836	C	#1/0 ACSR	7.31Y	121.8	0.00	3.18	1.98	1	14	3	98	0.00	0.0	8.397	0.097	14	3	1	1
PL.49835	PL.49834	C	#1/0 ACSR	7.31Y	121.9	0.00	3.10	3.60	2	26	6	97	0.00	0.0	8.140	0.002	0	0	0	4
PD.7684	PL.49835	C	40QA	7.31Y	121.9	0.00	3.10	3.60	9	26	6	97	0.00	0.0	8.140	0.002	0	0	0	4
PL.60333	PD.7684	C	#1/0 ACSR	7.31Y	121.9	0.00	3.10	3.60	2	26	6	97	0.00	0.0	8.147	0.006	5	1	1	4
PL.60332	PL.60333	C	#4 ACSR	7.31Y	121.9	0.04	3.15	2.94	2	21	5	97	0.01	0.0	8.478	0.331	0	0	0	3
PL.50113	PL.60332	C	#4 ACSR	7.31Y	121.9	0.00	3.15	2.69	2	19	4	98	0.00	0.0	8.514	0.036	19	4	2	2
PL.49933	PL.60332	C	#1/0 ACSR	7.31Y	121.9	0.00	3.15	0.25	0	2	0	100	0.00	0.0	8.734	0.256	2	0	1	1
PL.49685	PL.50691	C	#1/0 ACSR	7.34Y	122.3	0.00	2.74	0.37	0	3	1	95	0.00	0.0	7.160	0.094	3	1	1	1
PL.50694	PL.50214	C	#1/0 ACSR	7.34Y	122.3	0.00	2.67	0.00	0	0	0	100	0.00	0.0	6.870	0.002	0	0	0	0
PD.7648	PL.50694	C	40QA	7.34Y	122.3	0.00	2.67	0.00	0	0	0	100	0.00	0.0	6.870	0.002	0	0	0	0
PL.50695	PD.7648	C	#1/0 ACSR	7.34Y	122.3	0.00	2.67	0.00	0	0	0	100	0.00	0.0	7.153	0.283	0	0	0	0
PL.50696	PL.50214	A	#1/0 ACSR	7.34Y	122.3	0.00	2.67	2.87	1	21	5	97	0.00	0.0	6.869	0.002	0	0	0	1
PD.7713	PL.50696	A	40QA	7.34Y	122.3	0.00	2.67	2.87	7	21	5	97	0.00	0.0	6.869	0.002	0	0	0	1
PL.50697	PD.7713	A	#1/0 ACSR	7.34Y	122.3	0.00	2.68	2.87	1	21	5	97	0.00	0.0	6.977	0.108	21	5	1	1
PL.49915	PL.50697	A	#1/0 ACSR	7.34Y	122.3	0.00	2.68	0.00	0	0	0	100	0.00	0.0	7.059	0.082	0	0	0	0
PL.50692	PL.50213	C	#1/0 ACSR	7.34Y	122.4	0.00	2.62	0.00	0	0	0	100	0.00	0.0	6.733	0.002	0	0	0	0
PD.7681	PL.50692	C	40QA	7.34Y	122.4	0.00	2.62	0.00	0	0	0	100	0.00	0.0	6.733	0.002	0	0	0	0
PL.50693	PD.7681	C	#1/0 ACSR	7.34Y	122.4	0.00	2.62	0.00	0	0	0	100	0.00	0.0	6.789	0.056	0	0	0	0
PL.58530	PL.58525	C	#1/0 ACSR	7.36Y	122.6	0.00	2.41	2.76	1	20	5	97	0.00	0.0	6.254	0.002	0	0	0	2
PD.8707	PL.58530	C	15T	7.36Y	122.6	0.00	2.41	2.76	0	20	5	97	0.00	0.0	6.254	0.002	0	0	0	2

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

Balanced Voltage Drop Report
Source: Maretburg

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.58531	PD.8707	C	#1/0 ACSR	7.36Y	122.6	0.00	2.41	2.76	1	20	5	97	0.00	0.0	6.288	0.034	9	2	1	2
PL.58529	PL.58531	C	#1/0 ACSR	7.36Y	122.6	0.00	2.41	1.54	1	11	3	96	0.00	0.0	6.328	0.039	11	3	1	1
PL.49532	PL.49531	A	#1/0 ACSR	7.36Y	122.7	0.00	2.32	0.00	0	0	0	100	0.00	0.0	6.091	0.004	0	0	0	1
PD.7714	PL.49532	A	40QA	7.36Y	122.7	0.00	2.32	0.00	0	0	0	100	0.00	0.0	6.091	0.004	0	0	0	1
PL.49533	PD.7714	A	#1/0 ACSR	7.36Y	122.7	0.00	2.32	0.00	0	0	0	100	0.00	0.0	6.154	0.063	0	0	1	1
PL.49627	PL.49693	C	#4 ACSR	7.37Y	122.8	0.00	2.23	2.46	2	18	4	98	0.00	0.0	5.930	0.001	0	0	0	2
PD.7682	PL.49627	C	40QA	7.37Y	122.8	0.00	2.23	2.46	6	18	4	98	0.00	0.0	5.930	0.001	0	0	0	2
PL.49628	PD.7682	C	#4 ACSR	7.37Y	122.8	0.01	2.24	2.46	2	18	4	98	0.00	0.0	5.990	0.060	0	0	0	2
PL.49636	PL.49628	C	#4 ACSR	7.37Y	122.8	0.00	2.24	1.39	1	10	2	98	0.00	0.0	6.041	0.051	10	2	1	1
PL.49626	PL.49628	C	#4 ACSR	7.37Y	122.8	0.00	2.24	1.07	1	8	2	97	0.00	0.0	6.015	0.025	0	0	0	1
PL.49529	PL.49626	C	#4 ACSR	7.37Y	122.8	0.00	2.24	1.07	1	8	2	97	0.00	0.0	6.171	0.156	8	2	1	1
PL.49316	PL.49629	A	6 A (CWC)	7.37Y	122.8	0.01	2.19	22.90	16	164	38	97	0.01	0.0	5.846	0.007	0	0	0	32
PD.7699	PL.49316	A	25T	7.37Y	122.8	0.00	2.19	22.90	0	164	38	97	0.00	0.0	5.846	0.007	0	0	0	32
PL.49625	PD.7699	A	6 A (CWC)	7.36Y	122.7	0.06	2.25	22.90	16	164	38	97	0.08	0.0	5.908	0.062	0	0	0	32
PL.49900	PL.49625	A	6 A (CWC)	7.36Y	122.7	0.05	2.30	19.63	14	141	33	97	0.05	0.0	5.962	0.054	8	2	1	24
PL.49899	PL.49900	A	6 A (CWC)	7.36Y	122.6	0.05	2.35	18.49	13	133	31	97	0.05	0.0	6.027	0.064	6	1	1	23
PL.57566	PL.49899	A	6 A (CWC)	7.36Y	122.6	0.04	2.39	17.61	13	126	29	97	0.03	0.0	6.076	0.049	10	2	2	22
PL.57565	PL.57566	A	6 A (CWC)	7.35Y	122.6	0.05	2.44	16.14	12	116	27	97	0.05	0.0	6.148	0.071	0	0	0	20
PL.50086	PL.57565	A	#1/0 ACSR	7.35Y	122.6	0.00	2.44	2.03	1	15	3	98	0.00	0.0	6.247	0.100	15	3	2	2
PL.50059	PL.57565	A	6 A (CWC)	7.35Y	122.5	0.06	2.50	14.11	10	101	23	98	0.04	0.0	6.245	0.097	15	3	3	18
PL.49898	PL.50059	A	6 A (CWC)	7.35Y	122.5	0.05	2.55	12.06	9	86	20	97	0.03	0.0	6.329	0.085	0	0	0	15
PL.49896	PL.49898	A	6 A (CWC)	7.35Y	122.5	0.00	2.55	0.56	0	4	1	97	0.00	0.0	6.362	0.032	0	0	0	2
PL.49897	PL.49896	A	6 A (CWC)	7.35Y	122.5	0.00	2.55	0.56	0	4	1	97	0.00	0.0	6.484	0.122	3	1	1	2
PL.49894	PL.49897	A	6 A (CWC)	7.35Y	122.5	0.00	2.55	0.08	0	1	0	100	0.00	0.0	6.562	0.078	1	0	1	1
PL.49895	PL.49894	A	6 A (CWC)	7.35Y	122.5	0.00	2.55	0.00	0	0	0	100	0.00	0.0	6.944	0.381	0	0	0	0
PL.49893	PL.49898	A	6 A (CWC)	7.34Y	122.3	0.11	2.65	11.51	8	82	19	97	0.07	0.1	6.539	0.209	0	0	0	13
PL.49892	PL.49893	A	6 A (CWC)	7.34Y	122.3	0.05	2.70	11.51	8	82	19	97	0.03	0.0	6.637	0.099	0	0	0	13
PL.49891	PL.49892	A	6 A (CWC)	7.34Y	122.3	0.02	2.72	6.23	4	45	10	98	0.01	0.0	6.715	0.078	8	2	1	7
PL.49890	PL.49891	A	6 A (CWC)	7.34Y	122.3	0.02	2.75	5.13	4	37	9	97	0.01	0.0	6.802	0.087	0	0	0	6
PL.49889	PL.49890	A	6 A (CWC)	7.33Y	122.2	0.03	2.77	5.13	4	37	9	97	0.01	0.0	6.913	0.111	0	0	0	6
PL.50088	PL.49889	A	6 A (CWC)	7.33Y	122.2	0.00	2.77	0.52	0	4	1	97	0.00	0.0	6.944	0.031	4	1	2	2

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Balanced Voltage Drop Report
Source: Maretburg

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.49888	PL.49889	A	6 A (CWC)	7.33Y	122.2	0.01	2.79	3.72	3	27	6	98	0.00	0.0	7.030	0.117	13	3	1	3
PL.49887	PL.49888	A	6 A (CWC)	7.33Y	122.2	0.01	2.79	1.94	1	14	3	98	0.00	0.0	7.117	0.086	0	0	0	2
PL.49886	PL.49887	A	6 A (CWC)	7.33Y	122.2	0.02	2.82	1.94	1	14	3	98	0.00	0.0	7.366	0.249	0	0	0	2
PL.49599	PL.49886	A	6 A (CWC)	7.33Y	122.2	0.00	2.82	0.54	0	4	1	97	0.00	0.0	7.577	0.212	4	1	1	1
PL.49747	PL.49599	A	6 A (CWC)	7.33Y	122.2	0.00	2.82	0.00	0	0	0	100	0.00	0.0	7.751	0.173	0	0	0	0
PL.60785	PL.49886	A	#4 ACSR	7.33Y	122.2	0.00	2.82	1.40	1	10	2	98	0.00	0.0	7.441	0.075	10	2	1	1
PL.49761	PL.49889	A	6 A (CWC)	7.33Y	122.2	0.00	2.77	0.90	1	6	1	99	0.00	0.0	6.991	0.078	6	1	1	1
PL.60786	PL.49892	A	#4 ACSR	7.33Y	122.2	0.06	2.76	5.27	4	38	9	97	0.02	0.0	6.876	0.239	0	0	1	6
PL.60336	PL.60786	A	#1/0 ACSR	7.33Y	122.2	0.01	2.77	3.27	1	23	5	98	0.00	0.0	6.981	0.105	3	1	1	4
PL.60337	PL.60336	A	#1/0 ACSR	7.33Y	122.2	0.00	2.77	2.83	1	20	5	97	0.00	0.0	6.984	0.003	0	0	0	3
PD.9073	PL.60337	A	30T	7.33Y	122.2	0.00	2.77	2.83	0	20	5	97	0.00	0.0	6.984	0.003	0	0	0	3
PL.60338	PD.9073	A	#1/0 ACSR	7.33Y	122.2	0.01	2.78	2.83	1	20	5	97	0.00	0.0	7.311	0.327	13	3	1	3
PL.60339	PL.60338	A	#1/0 ACSR	7.33Y	122.2	0.00	2.78	0.99	0	7	2	96	0.00	0.0	7.365	0.054	7	2	2	2
PL.60787	PL.60786	A	#4 ACSR	7.33Y	122.2	0.00	2.76	2.00	2	14	3	98	0.00	0.0	6.962	0.086	14	3	1	1
PL.50055	PL.49625	A	#2 ACSR	7.36Y	122.7	0.00	2.25	0.64	0	5	1	98	0.00	0.0	5.939	0.031	5	1	1	1
PL.49901	PL.49625	A	6 A (CWC)	7.36Y	122.7	0.00	2.26	1.07	1	8	2	97	0.00	0.0	5.969	0.061	0	0	0	2
PL.49624	PL.49901	A	6 A (CWC)	7.36Y	122.7	0.00	2.26	1.07	1	8	2	97	0.00	0.0	6.014	0.045	8	2	2	2
PL.50281	PL.49625	A	#4 ACSR	7.36Y	122.7	0.00	2.25	1.56	1	11	3	96	0.00	0.0	5.961	0.053	11	3	5	5
PL.50790	PL.50794	C	#2 ACSR	7.39Y	123.2	0.00	1.79	0.00	0	0	0	100	0.00	0.0	5.292	0.002	0	0	0	0
PD.7715	PL.50790	C	25QA	7.39Y	123.2	0.00	1.79	0.00	0	0	0	100	0.00	0.0	5.292	0.002	0	0	0	0
PL.50791	PD.7715	C	#2 ACSR	7.39Y	123.2	0.00	1.79	0.00	0	0	0	100	0.00	0.0	5.364	0.071	0	0	0	0
PL.49739	PL.52510	C	#4 ACSR	7.33Y	122.2	0.00	2.80	13.80	11	99	23	97	0.00	0.0	2.596	0.004	0	0	0	10
PD.7707	PL.49739	C	60QA	7.33Y	122.2	0.00	2.80	13.80	23	99	23	97	0.00	0.0	2.596	0.004	0	0	0	10
PL.49740	PD.7707	C	#4 ACSR	7.33Y	122.2	0.02	2.81	13.80	11	99	23	97	0.01	0.0	2.621	0.025	2	1	1	10
PL.49741	PL.49740	C	#4 ACSR	7.33Y	122.2	0.03	2.85	13.46	10	96	22	97	0.02	0.0	2.683	0.062	20	5	2	9
PL.49743	PL.49741	C	#4 ACSR	7.33Y	122.1	0.01	2.86	10.61	8	76	18	97	0.01	0.0	2.713	0.030	23	5	2	7
PL.50154	PL.49743	C	#4 ACSR	7.33Y	122.1	0.02	2.88	7.43	6	53	12	98	0.01	0.0	2.774	0.061	0	0	0	5
PL.50068	PL.50154	C	#4 ACSR	7.33Y	122.1	0.00	2.88	4.81	4	34	8	97	0.00	0.0	2.789	0.015	34	8	3	3
PL.50155	PL.50154	C	#4 ACSR	7.33Y	122.1	0.00	2.88	2.62	2	19	4	98	0.00	0.0	2.794	0.021	19	4	2	2
PL.50156	PL.50155	C	#4 ACSR	7.33Y	122.1	0.00	2.88	0.00	0	0	0	100	0.00	0.0	2.840	0.046	0	0	0	0
PL.52511	PL.52514	ABC	#1/0 ACSR	7.34Y	122.3	0.03	2.70	15.10	7	324	75	97	0.06	0.0	2.546	0.095	0	0	0	34

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Balanced Voltage Drop Report
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Database: C:\MILSOFT\DATA\2010-2013 WP EXISTING CONDITIONS.WM\
Title: 2010-2013 CWP - Jackson Energy 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.49585	PL.52511	A	#2 ACSR	7.34Y	122.3	0.00	2.70	1.84	1	13	3	97	0.00	0.0	2.547	0.001	0	0	0	1
PD.7664	PL.49585	A	60QA	7.34Y	122.3	0.00	2.70	1.84	3	13	3	97	0.00	0.0	2.547	0.001	0	0	0	1
PL.50394	PD.7664	A	#2 ACSR	7.34Y	122.3	0.00	2.71	1.84	1	13	3	97	0.00	0.0	2.580	0.033	13	3	1	1
PL.49584	PL.52511	ABC	#1/0 ACSR	7.34Y	122.3	0.01	2.71	14.48	6	311	72	97	0.02	0.0	2.579	0.033	0	0	0	33
PL.49581	PL.49584	ABC	#1/0 ACSR	7.34Y	122.3	0.01	2.72	13.63	6	292	68	97	0.02	0.0	2.624	0.045	0	0	0	31
PL.49579	PL.49581	ABC	#4 ACSR	7.34Y	122.3	0.00	2.72	0.83	1	18	4	98	0.00	0.0	2.662	0.037	12	3	1	2
PL.49580	PL.49579	ABC	#4 ACSR	7.34Y	122.3	0.00	2.73	0.29	0	6	1	99	0.00	0.0	2.724	0.063	6	1	1	1
PL.49577	PL.49581	ABC	#4 ACSR	7.34Y	122.3	0.01	2.74	12.81	10	275	64	97	0.03	0.0	2.653	0.029	13	3	2	29
PL.49578	PL.49577	ABC	#4 ACSR	7.34Y	122.3	0.00	2.74	12.20	9	262	61	97	0.01	0.0	2.660	0.007	0	0	0	27
PL.49576	PL.49578	ABC	#4 ACSR	7.33Y	122.2	0.01	2.75	12.20	9	262	61	97	0.03	0.0	2.690	0.030	8	2	1	27
PL.49574	PL.49576	ABC	#4 ACSR	7.33Y	122.2	0.01	2.77	11.81	9	253	59	97	0.03	0.0	2.719	0.029	0	0	0	26
PL.49575	PL.49574	ABC	#4 ACSR	7.33Y	122.2	0.00	2.77	11.81	9	253	59	97	0.01	0.0	2.728	0.009	0	0	0	26
PL.49573	PL.49575	ABC	#4 ACSR	7.33Y	122.2	0.02	2.79	11.81	9	253	59	97	0.03	0.0	2.765	0.037	8	2	2	26
PL.49876	PL.49573	C	#2 ACSR	7.33Y	122.2	0.00	2.79	1.10	1	8	2	97	0.00	0.0	2.767	0.003	0	0	0	1
PD.7630	PL.49876	C	15T	7.33Y	122.2	0.00	2.79	1.10	0	8	2	97	0.00	0.0	2.767	0.003	0	0	0	1
PL.49877	PD.7630	C	#2 ACSR	7.33Y	122.2	0.00	2.79	1.10	1	8	2	97	0.00	0.0	2.778	0.011	8	2	1	1
PL.49875	PL.49573	ABC	#4 ACSR	7.33Y	122.2	0.02	2.81	11.08	9	237	55	97	0.04	0.0	2.827	0.062	27	6	2	23
PL.49874	PL.49875	ABC	#4 ACSR	7.33Y	122.2	0.02	2.83	9.81	8	210	49	97	0.03	0.0	2.868	0.041	2	1	1	21
PL.49478	PL.49874	ABC	#4 ACSR	7.33Y	122.2	0.01	2.84	7.67	6	164	38	97	0.01	0.0	2.899	0.031	14	3	1	17
PL.49450	PL.49478	ABC	#4 ACSR	7.33Y	122.1	0.01	2.85	7.03	5	151	35	97	0.02	0.0	2.954	0.055	0	0	1	16
PL.60866	PL.49450	ABC	#4 ACSR	7.33Y	122.1	0.03	2.88	6.47	5	139	32	97	0.03	0.0	3.071	0.117	29	7	2	14
PL.60865	PL.60866	ABC	#4 ACSR	7.33Y	122.1	0.03	2.90	5.13	4	110	25	98	0.02	0.0	3.221	0.150	5	1	1	12
PL.49680	PL.60865	A	#4 ACSR	7.33Y	122.1	0.00	2.91	2.49	2	18	4	98	0.00	0.0	3.245	0.024	18	4	1	1
PL.49445	PL.60865	ABC	#4 ACSR	7.33Y	122.1	0.01	2.91	1.90	1	41	9	98	0.00	0.0	3.315	0.094	2	0	1	5
PL.49444	PL.49445	ABC	#4 ACSR	7.33Y	122.1	0.00	2.91	1.80	1	39	9	97	0.00	0.0	3.367	0.052	0	0	0	4
PL.49442	PL.49444	A	6 A (CWC)	7.32Y	122.1	0.02	2.93	5.40	4	39	9	97	0.00	0.0	3.455	0.088	20	5	2	4
PL.49443	PL.49442	A	6 A (CWC)	7.32Y	122.1	0.00	2.93	0.00	0	0	0	100	0.00	0.0	3.542	0.087	0	0	0	0
PL.49679	PL.49442	A	6 A (CWC)	7.32Y	122.1	0.00	2.93	2.54	2	18	4	98	0.00	0.0	3.493	0.038	18	4	2	2
PL.49446	PL.60865	A	6 A (CWC)	7.33Y	122.1	0.00	2.91	6.53	5	47	11	97	0.00	0.0	3.229	0.008	0	0	0	5
PD.7621	PL.49446	A	40QA	7.33Y	122.1	0.00	2.91	6.53	16	47	11	97	0.00	0.0	3.229	0.008	0	0	0	5
PL.49447	PD.7621	A	6 A (CWC)	7.32Y	122.1	0.02	2.92	6.53	5	47	11	97	0.01	0.0	3.288	0.059	8	2	1	5

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

Balanced Voltage Drop Report
Source: Maretburg

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.50129	PL.49447	A	6 A (CWC)	7.32Y	122.1	0.01	2.94	5.41	4	39	9	97	0.00	0.0	3.357	0.068	9	2	1	4
PL.50130	PL.50129	A	6 A (CWC)	7.32Y	122.1	0.01	2.94	4.16	3	30	7	97	0.00	0.0	3.425	0.068	30	7	3	3
PL.49448	PL.49450	B	#4 ACSR	7.33Y	122.1	0.00	2.85	1.64	1	12	3	97	0.00	0.0	2.957	0.004	0	0	0	1
PD.7655	PL.49448	B	40QA	7.33Y	122.1	0.00	2.85	1.64	4	12	3	97	0.00	0.0	2.957	0.004	0	0	0	1
PL.49449	PD.7655	B	#4 ACSR	7.33Y	122.1	0.00	2.85	1.64	1	12	3	97	0.00	0.0	3.017	0.060	12	3	1	1
PL.49872	PL.49874	B	#4 ACSR	7.33Y	122.2	0.00	2.83	6.10	5	44	10	98	0.00	0.0	2.872	0.004	0	0	0	3
PD.7622	PL.49872	B	40QA	7.33Y	122.2	0.00	2.83	6.10	15	44	10	98	0.00	0.0	2.872	0.004	0	0	0	3
PL.49873	PD.7622	B	#4 ACSR	7.33Y	122.2	0.01	2.84	6.10	5	44	10	98	0.00	0.0	2.915	0.043	29	7	2	3
PL.49871	PL.49873	B	#4 ACSR	7.33Y	122.2	0.00	2.84	2.00	2	14	3	98	0.00	0.0	2.972	0.057	14	3	1	1
PL.49582	PL.49584	A	#2 ACSR	7.34Y	122.3	0.00	2.71	2.55	1	18	4	98	0.00	0.0	2.581	0.002	0	0	0	2
PD.7629	PL.49582	A	60QA	7.34Y	122.3	0.00	2.71	2.55	4	18	4	98	0.00	0.0	2.581	0.002	0	0	0	2
PL.49583	PD.7629	A	#2 ACSR	7.34Y	122.3	0.00	2.71	2.55	1	18	4	98	0.00	0.0	2.608	0.027	18	4	2	2
PL.52512	PL.52514	ABC	336 MCM AC	7.34Y	122.3	0.00	2.68	0.00	0	0	0	100	0.00	0.0	2.457	0.006	0	0	0	0
PD.7690	PL.52512	B	60QA	7.34Y	122.3	0.00	2.68	0.00	0	0	0	100	0.00	0.0	2.457	0.006	0	0	0	0
PL.50395	PD.7690	B	336 MCM AC	7.34Y	122.3	0.00	2.68	0.00	0	0	0	100	0.00	0.0	2.464	0.008	0	0	0	0
PL.50070	PL.50395	B	#1/0 ACSR	7.34Y	122.3	0.00	2.68	0.00	0	0	0	100	0.00	0.0	2.527	0.063	0	0	0	0
CP.75	PL.52513	ABC	Cap (300)	7.35Y	122.4	0.00	2.57	0.00	0	0	0	100	0.00	0.0	2.337	0.063	0	0	0	0
PL.50398	PL.50401	C	#2 ACSR	7.35Y	122.5	0.00	2.47	4.69	3	34	8	97	0.00	0.0	2.230	0.002	0	0	0	3
PD.7632	PL.50398	C	60QA	7.35Y	122.5	0.00	2.47	4.69	8	34	8	97	0.00	0.0	2.230	0.002	0	0	0	3
PL.50399	PD.7632	C	#2 ACSR	7.35Y	122.5	0.00	2.47	4.69	3	34	8	97	0.00	0.0	2.262	0.032	11	3	1	3
PL.50319	PL.50399	C	#2 ACSR	7.35Y	122.5	0.00	2.47	3.12	2	22	5	98	0.00	0.0	2.298	0.035	22	5	2	2
PL.50320	PL.50319	C	#2 ACSR	7.35Y	122.5	0.00	2.47	0.00	0	0	0	100	0.00	0.0	2.326	0.028	0	0	0	0
PL.49612	PL.50400	A	#2 ACSR	7.36Y	122.6	0.00	2.41	2.41	1	17	4	97	0.00	0.0	2.180	0.008	0	0	0	1
PD.7631	PL.49612	A	60QA	7.36Y	122.6	0.00	2.41	2.41	4	17	4	97	0.00	0.0	2.180	0.008	0	0	0	1
PL.49613	PD.7631	A	#4 ACSR	7.36Y	122.6	0.00	2.42	2.41	2	17	4	97	0.00	0.0	2.201	0.021	17	4	1	1
PL.49520	PL.49753	A	#2 ACSR	7.39Y	123.1	0.00	1.91	0.98	1	7	2	96	0.00	0.0	1.659	0.003	0	0	0	1
PD.7705	PL.49520	A	40QA	7.39Y	123.1	0.00	1.91	0.98	2	7	2	96	0.00	0.0	1.659	0.003	0	0	0	1
PL.49731	PD.7705	A	#2 ACSR	7.39Y	123.1	0.00	1.91	0.98	1	7	2	96	0.00	0.0	1.700	0.041	7	2	1	1
PL.62105	PL.49754	ABC	#1/0 ACSR	7.39Y	123.2	0.00	1.79	7.32	3	146	71	90	0.00	0.0	1.548	0.003	0	0	0	1
PD.9367	PL.62105	ABC	50T	7.39Y	123.2	0.00	1.79	7.32	0	146	71	90	0.00	0.0	1.548	0.003	0	0	0	1
PL.62106	PD.9367	ABC	#1/0 ACSR	7.39Y	123.2	0.00	1.80	7.32	3	146	71	90	0.00	0.0	1.576	0.028	146	71	1	1

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Balanced Voltage Drop Report
Source: Maretburg

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.50093	PL.49755	A	#2 ACSR	7.41Y	123.5	0.00	1.48	1.11	1	8	2	97	0.00	0.0	1.281	0.024	8	2	1	1
PL.50406	PL.50410	C	#2 ACSR	7.42Y	123.7	0.00	1.28	0.00	0	0	0	100	0.00	0.0	1.074	0.003	0	0	0	0
PD.7665	PL.50406	C	60QA	7.42Y	123.7	0.00	1.28	0.00	0	0	0	100	0.00	0.0	1.074	0.003	0	0	0	0
PL.50407	PD.7665	C	#2 ACSR	7.42Y	123.7	0.00	1.28	0.00	0	0	0	100	0.00	0.0	1.091	0.017	0	0	0	0
PL.50408	PL.50407	C	#2 ACSR	7.42Y	123.7	0.00	1.28	0.00	0	0	0	100	0.00	0.0	1.105	0.013	0	0	0	0
PL.50414	PL.50413	C	#4 ACSR	7.44Y	124.0	0.00	0.96	7.93	6	57	13	97	0.00	0.0	0.777	0.004	0	0	0	6
PD.7640	PL.50414	C	25T	7.44Y	124.0	0.00	0.96	7.93	0	57	13	97	0.00	0.0	0.777	0.004	0	0	0	6
PL.50415	PD.7640	C	#4 ACSR	7.44Y	124.0	0.01	0.97	7.93	6	57	13	97	0.00	0.0	0.804	0.027	3	1	1	6
PL.50067	PL.50415	C	#2 ACSR	7.44Y	124.0	0.00	0.97	4.33	2	31	7	98	0.00	0.0	0.829	0.025	31	7	3	3
PL.50416	PL.50415	C	#4 ACSR	7.44Y	124.0	0.00	0.97	3.24	2	23	5	98	0.00	0.0	0.833	0.029	23	5	2	2
PL.53765	PL.50423	C	#2 ACSR	7.45Y	124.2	0.00	0.83	33.80	19	245	57	97	0.01	0.0	0.659	0.005	0	0	0	21
PD.7928	PL.53765	C	50T	7.45Y	124.2	0.00	0.83	33.80	0	245	57	97	0.00	0.0	0.659	0.005	0	0	0	21
PL.53766	PD.7928	C	#2 ACSR	7.45Y	124.1	0.07	0.90	33.80	19	245	57	97	0.13	0.1	0.730	0.071	0	0	0	21
PL.50145	PL.53766	C	#2 ACSR	7.44Y	124.1	0.04	0.94	33.80	19	245	57	97	0.07	0.0	0.766	0.036	3	1	1	21
PL.50146	PL.50145	C	#2 ACSR	7.44Y	124.0	0.03	0.97	33.40	19	242	56	97	0.06	0.0	0.797	0.032	0	0	0	20
PL.50149	PL.50146	C	6 A (CWC)	7.44Y	124.0	0.01	0.98	4.92	4	36	8	98	0.00	0.0	0.834	0.037	12	3	1	2
PL.50150	PL.50149	C	6 A (CWC)	7.44Y	124.0	0.00	0.98	3.23	2	23	5	98	0.00	0.0	0.864	0.030	23	5	1	1
PL.50147	PL.50146	C	#2 ACSR	7.44Y	124.0	0.02	0.99	28.49	16	207	48	97	0.02	0.0	0.816	0.019	24	5	1	18
PL.50148	PL.50147	C	#2 ACSR	7.44Y	124.0	0.05	1.04	25.23	14	183	42	97	0.07	0.0	0.883	0.067	9	2	1	17
PL.50151	PL.50148	C	6 A (CWC)	7.44Y	123.9	0.01	1.05	6.73	5	49	11	98	0.00	0.0	0.933	0.050	9	2	1	4
PL.50152	PL.50151	C	6 A (CWC)	7.44Y	123.9	0.01	1.07	5.54	4	40	9	98	0.00	0.0	0.982	0.049	0	0	0	3
PL.49734	PL.50152	C	6 A (CWC)	7.43Y	123.9	0.02	1.08	4.13	3	30	7	97	0.00	0.0	1.100	0.118	10	2	1	2
PL.49735	PL.49734	C	6 A (CWC)	7.43Y	123.9	0.00	1.09	2.74	2	20	5	97	0.00	0.0	1.153	0.053	20	5	1	1
PL.50225	PL.50152	C	6 A (CWC)	7.44Y	123.9	0.00	1.07	1.41	1	10	2	98	0.00	0.0	1.013	0.030	10	2	1	1
PL.50106	PL.50148	C	#2 ACSR	7.44Y	123.9	0.04	1.08	17.21	10	125	29	97	0.03	0.0	0.951	0.068	0	0	0	12
PL.49736	PL.50106	C	#2 ACSR	7.43Y	123.9	0.01	1.09	5.85	3	42	10	97	0.00	0.0	1.022	0.070	10	2	1	5
PL.50098	PL.49736	C	#4 ACSR	7.43Y	123.9	0.00	1.09	1.50	1	11	3	96	0.00	0.0	1.074	0.052	11	3	1	1
PL.49737	PL.49736	C	#2 ACSR	7.43Y	123.9	0.00	1.09	2.95	2	21	5	97	0.00	0.0	1.055	0.033	11	3	1	3
PL.49738	PL.49737	C	#2 ACSR	7.43Y	123.9	0.00	1.09	1.43	1	10	2	98	0.00	0.0	1.108	0.054	10	2	2	2
PL.50121	PL.50106	C	6 A (CWC)	7.43Y	123.9	0.04	1.12	11.36	8	82	19	97	0.03	0.0	1.038	0.086	5	1	2	7
PL.63658	PL.50121	C	6 A (CWC)	7.43Y	123.9	0.02	1.14	8.53	6	62	14	98	0.01	0.0	1.107	0.070	41	9	3	4

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Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----			
																KW	KVAR	Cons On	Cons Thru	
PL.63659	PL.63658	C	6 A (CWC)	7.43Y	123.9	0.00	1.14	2.88	2	21	5	97	0.00	0.0	1.176	0.068	21	5	1	1
PL.50138	PL.50121	C	6 A (CWC)	7.43Y	123.9	0.00	1.12	2.14	2	16	4	97	0.00	0.0	1.072	0.035	16	4	1	1
PL.50097	PL.53766	C	#2 ACSR	7.45Y	124.1	0.00	0.90	0.00	0	0	0	100	0.00	0.0	0.748	0.018	0	0	0	0
PL.57271	PL.57269	ABC	336 MCM AC	7.50Y	125.0	0.00	0.03	0.00	0	0	0	100	0.00	0.0	0.054	0.035	0	0	0	0
PL.57272	PL.57271	ABC	336 MCM AC	7.50Y	125.0	0.00	0.03	0.00	0	0	0	100	0.00	0.0	0.096	0.042	0	0	0	0

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	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load	Losses	Total			
KW	9976	0	0	0	0	0	145		0.00	10122	Lowest Voltage =	118.68	on Element PL.63670
KVAR	3108	0	0	-5	0	0	236			3340	Max Accm VoltD =	6.32	on Element PL.63670
											Max Elem VoltD =	0.59	on Element PL.60874