Balanced Voltage Drop Report
Source: West London 2

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
West London 2		ABC	SRC-West L	7.50Y	125.0	0.00	0.00	378.87	0	8096	2669	95	0.00	0.0	0.000	0.000	0	0	0	866
PL.53077	West London 2	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	212.70	41	4556	1464	95	0.05	0.0	0.001	0.001	0	0	0	496
PL.53083	PL.53077	ABC	336 MCM AC	7.50Y	125.0	0.00	0.01	212.70	41	4556	1464	95	0.11	0.0	0.004	0.003	0	0	0	496
---------- Feeder No. 4 (Cold Hill F4) Beginning with Device PD.8084 ----------																				
PD.8084	PL.53083	ABC	480VWE	7.50Y	125.0	0.00	0.01	212.70	0	4556	1464	95	0.00	0.0	0.004	0.003	0	0	0	496
PL.63309	PD.8084	ABC	336 MCM AC	7.50Y	124.9	0.06	0.07	212.70	41	4556	1464	95	1.48	0.0	0.043	0.039	3	1	1	496
PL.63310	PL.63309	ABC	336 MCM AC	7.49Y	124.8	0.13	0.21	212.56	41	4551	1460	95	3.08	0.1	0.124	0.081	0	0	0	495
PL.64636	PL.63310	A	#1/0 ACSR	7.49Y	124.8	0.00	0.21	2.38	1	17	5	96	0.00	0.0	0.202	0.078	0	0	0	1
PL.66195	PL.64636	A	1/0 AL URD	7.49Y	124.8	0.00	0.21	2.38	1	17	5	96	0.00	0.0	0.234	0.032	17	5	1	1
PL.42068	PL.63310	ABC	336 MCM AC	7.45Y	124.2	0.55	0.76	210.77	41	4511	1438	95	12.59	0.3	0.460	0.336	0	0	1	493
PL.42069	PL.42068	ABC	336 MCM AC	7.45Y	124.2	0.07	0.82	210.50	41	4493	1407	95	1.58	0.0	0.503	0.042	0	0	0	491
PL.43268	PL.42069	ABC	#3/0 ACSR	7.44Y	124.0	0.22	1.04	207.93	69	4438	1379	95	5.80	0.1	0.583	0.080	15	5	2	489
PL.43269	PL.43268	ABC	#3/0 ACSR	7.43Y	123.8	0.20	1.23	207.20	69	4417	1366	96	5.26	0.1	0.656	0.073	10	3	1	487
PL.43270	PL.43269	ABC	#3/0 ACSR	7.42Y	123.6	0.12	1.36	206.53	69	4397	1354	96	3.35	0.1	0.703	0.047	0	0	0	485
PL.43271	PL.43270	C	6 A (CWC)	7.42Y	123.6	0.00	1.36	11.71	8	83	24	96	0.00	0.0	0.708	0.006	0	0	0	4
PD.6754	PL.43271	C	75QA	7.42Y	123.6	0.00	1.36	11.71	16	83	24	96	0.00	0.0	0.708	0.006	0	0	0	4
PL.41949	PD.6754	C	6 A (CWC)	7.42Y	123.6	0.03	1.40	11.71	8	83	24	96	0.02	0.0	0.772	0.063	0	0	0	4
PL.43619	PL.41949	C	6 A (CWC)	7.41Y	123.5	0.06	1.45	11.36	8	81	24	96	0.03	0.0	0.886	0.115	11	3	1	3
PL.43620	PL.43619	C	6 A (CWC)	7.41Y	123.5	0.03	1.48	9.82	7	70	20	96	0.01	0.0	0.949	0.063	0	0	0	2
PL.43621	PL.43620	C	1/0 AL URD	7.41Y	123.5	0.00	1.48	9.82	6	70	20	96	0.00	0.0	0.955	0.006	0	0	0	2
PD.6126	PL.43621	C	75QA	7.41Y	123.5	0.00	1.48	9.82	13	70	20	96	0.00	0.0	0.955	0.006	0	0	0	2
PL.43622	PD.6126	C	1/0 AL URD	7.41Y	123.5	0.01	1.49	9.82	6	70	20	96	0.00	0.0	0.988	0.033	11	3	1	2
PL.43623	PL.43622	C	1/0 AL URD	7.41Y	123.5	0.01	1.50	8.30	5	59	17	96	0.00	0.0	1.029	0.041	59	17	1	1
PL.43617	PL.41949	C	6 A (CWC)	7.42Y	123.6	0.00	1.40	0.35	0	3	1	95	0.00	0.0	0.813	0.042	3	1	1	1
PL.43618	PL.43617	C	6 A (CWC)	7.42Y	123.6	0.00	1.40	0.00	0	0	0	100	0.00	0.0	0.847	0.034	0	0	0	0
PL.41888	PL.43270	ABC	#3/0 ACSR	7.42Y	123.6	0.05	1.41	202.62	68	4310	1325	96	1.41	0.0	0.723	0.020	0	0	0	481
PL.41318	PL.41888	ABC	#3/0 ACSR	7.38Y	123.0	0.59	2.00	202.18	67	4299	1322	96	15.56	0.4	0.950	0.227	0	0	0	480
PL.55933	PL.41318	ABC	#3/0 ACSR	7.38Y	123.0	0.00	2.00	0.73	0	15	5	95	0.00	0.0	0.998	0.049	15	5	1	1
PL.61122	PL.41318	ABC	#3/0 ACSR	7.37Y	122.8	0.21	2.21	201.45	67	4268	1294	96	5.44	0.1	1.029	0.080	0	0	0	479
PL.61124	PL.61122	C	#4 ACSR	7.37Y	122.8	0.00	2.21	3.19	2	23	7	96	0.00	0.0	1.035	0.006	0	0	0	3

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

Balanced Voltage Drop Report
Source: West London 2

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PD.6670	PL.61124	C	75QA	7.37Y	122.8	0.00	2.21	3.19	4	23	7	96	0.00	0.0	1.035	0.006	0	0	0	3	
PL.55934	PD.6670	C	#4 ACSR	7.37Y	122.8	0.00	2.21	3.19	2	23	7	96	0.00	0.0	1.079	0.044	23	7	3	3	
PL.61123	PL.61122	ABC	#3/0 ACSR	7.36Y	122.6	0.16	2.37	200.39	67	4240	1280	96	4.28	0.1	1.093	0.063	0	0	0	476	
PL.41006	PL.61123	B	#4 ACSR	7.36Y	122.6	0.01	2.38	31.53	24	222	66	96	0.01	0.0	1.098	0.006	0	0	0	21	
PD.6671	PL.41006	B	50T	7.36Y	122.6	0.00	2.38	31.53	0	222	66	96	0.00	0.0	1.098	0.006	0	0	0	21	
PL.41007	PD.6671	B	#4 ACSR	7.36Y	122.6	0.00	2.38	31.53	24	222	66	96	0.01	0.0	1.101	0.002	10	3	2	21	
PL.41652	PL.41007	B	#4 ACSR	7.35Y	122.6	0.06	2.44	30.12	23	212	63	96	0.09	0.0	1.142	0.041	0	0	0	19	
PL.41029	PL.41652	B	#4 ACSR	7.35Y	122.6	0.01	2.45	10.19	8	72	21	96	0.00	0.0	1.164	0.022	25	7	2	7	
PL.63345	PL.41029	B	#4 ACSR	7.35Y	122.5	0.01	2.45	6.66	5	47	14	96	0.00	0.0	1.191	0.027	24	7	2	5	
PL.63346	PL.63345	B	#4 ACSR	7.35Y	122.5	0.01	2.46	3.19	2	22	7	95	0.00	0.0	1.266	0.074	22	7	3	3	
PL.55931	PL.41652	B	#4 ACSR	7.35Y	122.5	0.02	2.46	8.24	6	58	17	96	0.01	0.0	1.194	0.052	14	4	1	4	
PL.55930	PL.55931	B	#4 ACSR	7.35Y	122.5	0.00	2.46	4.44	3	31	9	96	0.00	0.0	1.221	0.028	31	9	1	1	
PL.55932	PL.55931	B	#4 ACSR	7.35Y	122.5	0.01	2.46	1.84	1	13	4	96	0.00	0.0	1.320	0.126	13	4	2	2	
PL.42074	PL.41652	B	#4 ACSR	7.35Y	122.5	0.03	2.47	11.68	9	82	24	96	0.02	0.0	1.212	0.070	30	9	3	8	
PL.42075	PL.42074	B	#4 ACSR	7.35Y	122.5	0.01	2.48	7.48	6	53	16	96	0.00	0.0	1.252	0.040	9	3	1	5	
PL.42076	PL.42075	B	#4 ACSR	7.35Y	122.5	0.01	2.50	3.17	2	22	7	95	0.00	0.0	1.350	0.098	0	0	0	2	
PL.41719	PL.42076	B	#4 ACSR	7.35Y	122.5	0.00	2.50	1.66	1	12	3	97	0.00	0.0	1.366	0.015	12	3	1	1	
PL.42246	PL.42076	B	#4 ACSR	7.35Y	122.5	0.00	2.50	1.51	1	11	3	96	0.00	0.0	1.400	0.050	11	3	1	1	
PL.41354	PL.42075	B	#4 ACSR	7.35Y	122.5	0.00	2.48	3.07	2	22	6	96	0.00	0.0	1.285	0.033	22	6	2	2	
PL.42247	PL.61123	ABC	#3/0 ACSR	7.35Y	122.5	0.10	2.47	189.88	63	4013	1208	96	2.45	0.1	1.133	0.041	0	0	0	455	
PL.42248	PL.42247	ABC	#3/0 ACSR	7.34Y	122.4	0.15	2.63	188.58	63	3983	1196	96	3.82	0.1	1.197	0.064	20	6	3	450	
PL.41362	PL.42248	ABC	#3/0 ACSR	7.32Y	122.0	0.34	2.97	170.64	57	3600	1082	96	7.70	0.2	1.355	0.157	0	0	0	418	
PL.41862	PL.41362	A	#4 ACSR	7.32Y	122.0	0.06	3.03	58.05	45	409	117	96	0.18	0.0	1.377	0.022	0	0	0	27	
PL.43641	PL.41862	A	1/0 AL URD	7.32Y	122.0	0.01	3.04	58.05	34	408	117	96	0.03	0.0	1.382	0.006	0	0	0	27	
C PD.6559	PL.43641	A	75QA	7.32Y	122.0	0.00	3.04	58.05	77	408	117	96	0.00	0.0	1.382	0.006	0	0	0	27	C
PL.43642	PD.6559	A	1/0 AL URD	7.32Y	121.9	0.03	3.06	58.05	34	408	117	96	0.08	0.0	1.397	0.015	32	10	2	27	
PL.43638	PL.43642	A	1/0 AL URD	7.31Y	121.9	0.07	3.13	53.46	31	376	108	96	0.20	0.1	1.437	0.040	0	0	0	25	
PL.43639	PL.43638	A	1/0 AL URD	7.31Y	121.9	0.00	3.13	3.31	2	23	7	96	0.00	0.0	1.482	0.044	23	7	2	2	
PL.43640	PL.43639	A	1/0 AL URD	7.31Y	121.9	0.00	3.13	-0.01	0	0	0	100	0.00	0.0	1.501	0.019	0	0	0	0	
PL.43637	PL.43638	A	1/0 AL URD	7.31Y	121.8	0.06	3.19	50.16	30	353	101	96	0.17	0.0	1.476	0.039	0	0	0	23	
PL.42067	PL.43637	A	1/0 AL URD	7.31Y	121.8	0.01	3.20	6.82	4	48	14	96	0.00	0.0	1.536	0.059	48	14	3	3	

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

Balanced Voltage Drop Report
Source: West London 2

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.43636	PL.43637	A	1/0 AL URD	7.31Y	121.8	0.03	3.22	43.35	26	305	87	96	0.06	0.0	1.497	0.021	30	9	2	20
PL.43635	PL.43636	A	1/0 AL URD	7.30Y	121.7	0.06	3.28	39.14	23	275	79	96	0.12	0.0	1.548	0.051	36	11	2	18
PL.43634	PL.43635	A	1/0 AL URD	7.30Y	121.6	0.10	3.37	34.02	20	239	68	96	0.18	0.1	1.646	0.097	33	10	1	16
PL.43633	PL.43634	A	1/0 AL URD	7.30Y	121.6	0.03	3.41	29.34	17	206	59	96	0.05	0.0	1.687	0.041	35	10	3	15
PL.43632	PL.43633	A	1/0 AL URD	7.29Y	121.5	0.08	3.49	24.28	14	170	48	96	0.10	0.1	1.796	0.109	16	5	1	12
PL.43631	PL.43632	A	1/0 AL URD	7.29Y	121.5	0.04	3.53	21.96	13	154	44	96	0.05	0.0	1.860	0.064	27	8	2	11
PL.43630	PL.43631	A	1/0 AL URD	7.29Y	121.4	0.04	3.57	18.12	11	127	36	96	0.04	0.0	1.931	0.072	10	3	1	9
PL.43228	PL.43630	A	1/0 AL URD	7.28Y	121.4	0.02	3.58	16.71	10	117	33	96	0.01	0.0	1.969	0.038	33	10	2	8
PL.43227	PL.43228	A	1/0 AL URD	7.28Y	121.4	0.03	3.61	12.04	7	84	24	96	0.02	0.0	2.061	0.092	26	8	2	6
PL.43226	PL.43227	A	1/0 AL URD	7.28Y	121.4	0.01	3.63	8.28	5	58	16	96	0.00	0.0	2.119	0.058	26	8	2	4
PL.43225	PL.43226	A	1/0 AL URD	7.28Y	121.4	0.00	3.63	4.55	3	32	9	96	0.00	0.0	2.166	0.047	17	5	1	2
PL.43224	PL.43225	A	1/0 AL URD	7.28Y	121.4	0.00	3.64	2.12	1	15	4	97	0.00	0.0	2.237	0.071	0	0	0	1
PL.42265	PL.43224	A	1/0 AL URD	7.28Y	121.4	0.00	3.64	2.13	1	15	4	97	0.00	0.0	2.238	0.000	15	4	1	1
PL.43450	PL.43224	A	1/0 AL URD	7.28Y	121.4	0.00	3.64	-0.00	0	0	0	100	0.00	0.0	2.243	0.006	0	0	0	0
PL.43643	PL.41362	C	#4 ACSR	7.32Y	122.0	0.00	2.97	1.80	1	13	4	96	0.00	0.0	1.361	0.006	0	0	0	1
PD.6672	PL.43643	C	75QA	7.32Y	122.0	0.00	2.97	1.80	2	13	4	96	0.00	0.0	1.361	0.006	0	0	0	1
PL.43644	PD.6672	C	#4 ACSR	7.32Y	122.0	0.00	2.97	1.80	1	13	4	96	0.00	0.0	1.420	0.059	13	4	1	1
PL.43133	PL.41362	ABC	#3/0 ACSR	7.32Y	121.9	0.09	3.06	150.69	50	3171	950	96	1.78	0.1	1.401	0.047	0	0	0	390
PL.43134	PL.43133	ABC	#3/0 ACSR	7.31Y	121.8	0.10	3.16	150.69	50	3169	948	96	1.93	0.1	1.452	0.051	14	4	1	390
PL.43135	PL.43134	ABC	#3/0 ACSR	7.31Y	121.8	0.09	3.25	150.03	50	3153	941	96	1.76	0.1	1.499	0.047	25	7	3	389
PL.43136	PL.43135	B	#4 ACSR	7.30Y	121.7	0.01	3.25	21.80	17	153	45	96	0.01	0.0	1.505	0.006	0	0	0	18
PD.6547	PL.43136	B	30T	7.30Y	121.7	0.00	3.25	21.80	0	153	45	96	0.00	0.0	1.505	0.006	0	0	0	18
PL.43137	PD.6547	B	#4 ACSR	7.30Y	121.7	0.04	3.30	21.80	17	153	45	96	0.05	0.0	1.552	0.047	11	3	1	18
PL.43138	PL.43137	B	#4 ACSR	7.30Y	121.7	0.01	3.30	6.49	5	45	13	96	0.00	0.0	1.577	0.026	24	7	2	4
PL.43139	PL.43138	B	#4 ACSR	7.30Y	121.7	0.01	3.31	3.03	2	21	6	96	0.00	0.0	1.658	0.080	12	4	1	2
PL.43140	PL.43139	B	#4 ACSR	7.30Y	121.7	0.00	3.31	1.33	1	9	3	95	0.00	0.0	1.750	0.093	9	3	1	1
PL.41277	PL.43137	B	#4 ACSR	7.30Y	121.7	0.00	3.30	1.70	1	12	4	95	0.00	0.0	1.584	0.032	12	4	1	1
PL.63284	PL.43137	B	#4 ACSR	7.30Y	121.7	0.03	3.32	12.09	9	85	25	96	0.02	0.0	1.604	0.052	15	4	1	12
PL.63285	PL.63284	B	#4 ACSR	7.30Y	121.7	0.02	3.34	9.97	8	70	21	96	0.01	0.0	1.648	0.044	15	4	2	11
PL.43141	PL.63285	B	#4 ACSR	7.30Y	121.7	0.01	3.35	5.49	4	38	11	96	0.00	0.0	1.674	0.026	0	0	0	7
PL.43142	PL.43141	B	#4 ACSR	7.30Y	121.6	0.01	3.35	5.49	4	38	11	96	0.00	0.0	1.706	0.032	7	2	1	7

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

Balanced Voltage Drop Report
Source: West London 2

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PL.43143	PL.43142	B	#4 ACSR	7.30Y	121.6	0.01	3.36	3.81	3	27	8	96	0.00	0.0	1.757	0.051	0	0	0	5	
PL.41462	PL.43143	B	#4 ACSR	7.30Y	121.6	0.00	3.37	2.98	2	21	6	96	0.00	0.0	1.790	0.033	21	6	3	3	
PL.43645	PL.43143	B	#4 ACSR	7.30Y	121.6	0.00	3.36	0.84	1	6	2	95	0.00	0.0	1.803	0.046	6	2	2	2	
PL.41699	PL.43142	B	#2 ACSR	7.30Y	121.6	0.00	3.36	0.70	0	5	1	98	0.00	0.0	1.730	0.024	5	1	1	1	
PL.41864	PL.63285	B	#4 ACSR	7.30Y	121.7	0.00	3.34	2.40	2	17	5	96	0.00	0.0	1.706	0.059	17	5	2	2	
PL.52794	PL.43135	ABC	#3/0 ACSR	7.30Y	121.6	0.12	3.37	141.56	47	2973	885	96	2.31	0.1	1.568	0.069	0	0	0	368	
PL.64076	PL.52794	ABC	#3/0 ACSR	7.30Y	121.6	0.03	3.40	141.56	47	2971	882	96	0.50	0.0	1.583	0.015	0	0	0	368	
PL.64077	PL.64076	ABC	#3/0 ACSR	7.30Y	121.6	0.00	3.40	141.56	47	2970	881	96	0.00	0.0	1.583	0.000	4	1	2	368	
PL.64078	PL.64077	C	#1/0 ACSR	7.30Y	121.6	0.00	3.40	1.27	1	9	3	95	0.00	0.0	1.615	0.032	9	3	1	1	
PL.54970	PL.64077	ABC	#3/0 ACSR	7.29Y	121.4	0.15	3.55	140.96	47	2958	878	96	2.80	0.1	1.666	0.084	0	0	0	365	
PL.43646	PL.54970	C	6 A (CWC)	7.29Y	121.4	0.00	3.55	0.63	0	4	1	97	0.00	0.0	1.672	0.006	0	0	0	1	
PD.6712	PL.43646	C	75QA	7.29Y	121.4	0.00	3.55	0.63	1	4	1	97	0.00	0.0	1.672	0.006	0	0	0	1	
PL.43649	PD.6712	C	6 A (CWC)	7.29Y	121.4	0.00	3.55	0.63	0	4	1	97	0.00	0.0	1.701	0.029	4	1	1	1	
PL.43650	PL.43649	C	6 A (CWC)	7.29Y	121.4	0.00	3.55	0.00	0	0	0	100	0.00	0.0	1.766	0.065	0	0	0	0	
PL.54969	PL.43650	C	6 A (CWC)	7.29Y	121.4	0.00	3.55	0.00	0	0	0	100	0.00	0.0	1.894	0.128	0	0	0	0	
PL.41447	PL.43650	C	#2 ACSR	7.29Y	121.4	0.00	3.55	0.00	0	0	0	100	0.00	0.0	1.800	0.034	0	0	0	0	
PL.41295	PL.54970	ABC	#3/0 ACSR	7.28Y	121.3	0.10	3.65	140.75	47	2951	872	96	1.90	0.1	1.724	0.057	0	0	0	364	
PL.43712	PL.41295	ABC	#3/0 ACSR	7.27Y	121.2	0.17	3.82	127.19	42	2665	785	96	2.84	0.1	1.828	0.105	0	0	0	326	
PL.43713	PL.43712	ABC	#3/0 ACSR	7.26Y	121.0	0.13	3.96	126.69	42	2652	778	96	2.23	0.1	1.911	0.083	0	0	0	323	
PL.41585	PL.43713	ABC	#3/0 ACSR	7.26Y	121.0	0.06	4.02	66.66	22	1390	422	96	0.54	0.0	1.983	0.072	0	0	0	175	
PL.43721	PL.41585	ABC	#1/0 ACSR	7.26Y	121.0	0.01	4.03	66.66	29	1389	421	96	0.07	0.0	1.989	0.006	0	0	0	175	
C PD.6809	PL.43721	ABC	70L	7.26Y	121.0	0.00	4.03	66.66	95	1389	421	96	0.00	0.0	1.989	0.006	0	0	0	175	C
PL.43722	PD.6809	ABC	#1/0 ACSR	7.26Y	120.9	0.03	4.06	66.66	29	1389	421	96	0.30	0.0	2.015	0.026	8	2	3	175	
PL.43723	PL.43722	ABC	#1/0 ACSR	7.24Y	120.7	0.20	4.26	66.28	29	1381	418	96	1.96	0.1	2.182	0.168	0	0	0	172	
PL.43725	PL.43723	A	6 A (CWC)	7.24Y	120.7	0.00	4.26	0.99	1	7	2	96	0.00	0.0	2.188	0.006	0	0	0	1	
PD.6616	PL.43725	A	30T	7.24Y	120.7	0.00	4.26	0.99	0	7	2	96	0.00	0.0	2.188	0.006	0	0	0	1	
PL.54108	PD.6616	A	6 A (CWC)	7.24Y	120.7	0.00	4.26	0.99	1	7	2	96	0.00	0.0	2.273	0.086	7	2	1	1	
PL.43724	PL.43723	ABC	#1/0 ACSR	7.24Y	120.6	0.12	4.38	65.95	29	1372	414	96	1.13	0.1	2.282	0.100	27	8	4	171	
PL.43739	PL.43724	A	6 A (CWC)	7.24Y	120.6	0.00	4.38	2.76	2	19	6	95	0.00	0.0	2.287	0.006	0	0	0	1	
PD.6617	PL.43739	A	50QA	7.24Y	120.6	0.00	4.38	2.76	6	19	6	95	0.00	0.0	2.287	0.006	0	0	0	1	
PL.54119	PD.6617	A	6 A (CWC)	7.24Y	120.6	0.00	4.38	2.76	2	19	6	95	0.00	0.0	2.328	0.040	19	6	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: West London 2

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.58343	PL.43724	A	6 A (CWC)	7.24Y	120.6	0.00	4.38	15.72	11	109	32	96	0.00	0.0	2.284	0.002	0	0	0	14
PD.8573	PL.58343	A	20T	7.24Y	120.6	0.00	4.38	15.72	0	109	32	96	0.00	0.0	2.284	0.002	0	0	0	14
PL.58344	PD.8573	A	6 A (CWC)	7.23Y	120.6	0.06	4.44	15.72	11	109	32	96	0.05	0.0	2.369	0.085	6	2	1	14
PL.54312	PL.58344	A	6 A (CWC)	7.23Y	120.5	0.01	4.45	12.84	9	89	26	96	0.01	0.0	2.394	0.025	10	3	1	10
PL.54313	PL.54312	A	6 A (CWC)	7.23Y	120.5	0.01	4.47	11.41	8	79	23	96	0.01	0.0	2.423	0.029	28	8	3	9
PL.54314	PL.54313	A	6 A (CWC)	7.23Y	120.5	0.01	4.48	5.28	4	37	11	96	0.00	0.0	2.463	0.040	0	0	0	4
PL.43740	PL.54314	A	6 A (CWC)	7.23Y	120.5	0.00	4.48	2.55	2	18	5	96	0.00	0.0	2.500	0.037	2	1	1	3
PL.43741	PL.43740	A	6 A (CWC)	7.23Y	120.5	0.00	4.48	2.26	2	16	5	95	0.00	0.0	2.521	0.021	16	5	2	2
PL.41851	PL.54314	A	#2 ACSR	7.23Y	120.5	0.00	4.48	2.73	2	19	6	95	0.00	0.0	2.499	0.036	19	6	1	1
PL.54315	PL.54313	A	6 A (CWC)	7.23Y	120.5	0.00	4.47	2.08	1	14	4	96	0.00	0.0	2.449	0.025	14	4	2	2
PL.57732	PL.58344	A	6 A (CWC)	7.23Y	120.6	0.01	4.45	2.06	1	14	4	96	0.00	0.0	2.458	0.089	7	2	1	3
PL.57733	PL.57732	A	6 A (CWC)	7.23Y	120.6	0.00	4.45	0.25	0	2	1	89	0.00	0.0	2.481	0.023	2	1	1	1
PL.57734	PL.57733	A	6 A (CWC)	7.23Y	120.6	0.00	4.45	0.00	0	0	0	100	0.00	0.0	2.528	0.048	0	0	0	0
PL.57731	PL.57732	A	#4 ACSR	7.23Y	120.6	0.00	4.45	0.78	1	5	2	93	0.00	0.0	2.500	0.043	5	2	1	1
PL.41711	PL.43724	ABC	#1/0 ACSR	7.23Y	120.5	0.11	4.49	58.49	25	1216	367	96	0.96	0.1	2.387	0.105	0	0	0	152
PL.41740	PL.41711	ABC	#1/0 ACSR	7.23Y	120.5	0.05	4.54	46.48	20	969	279	96	0.33	0.0	2.445	0.058	0	0	1	132
PL.41665	PL.41740	ABC	#1/0 ACSR	7.22Y	120.4	0.07	4.61	46.48	20	969	279	96	0.47	0.0	2.527	0.082	20	6	1	131
PL.41666	PL.41665	ABC	#1/0 ACSR	7.22Y	120.4	0.04	4.65	45.51	20	948	272	96	0.27	0.0	2.576	0.049	0	0	1	130
PL.41664	PL.41666	ABC	#1/0 ACSR	7.21Y	120.2	0.10	4.75	45.49	20	947	272	96	0.68	0.1	2.699	0.123	0	0	0	129
PL.56807	PL.41664	A	6 A (CWC)	7.21Y	120.2	0.00	4.75	15.37	11	106	31	96	0.00	0.0	2.700	0.001	0	0	0	12
PD.8251	PL.56807	A	40QA	7.21Y	120.2	0.00	4.75	15.37	38	106	31	96	0.00	0.0	2.700	0.001	0	0	0	12
PL.56808	PD.8251	A	6 A (CWC)	7.21Y	120.2	0.06	4.82	15.37	11	106	31	96	0.05	0.0	2.796	0.096	13	4	2	12
PL.41667	PL.56808	A	#2 ACSR	7.21Y	120.2	0.01	4.82	4.99	3	35	10	96	0.00	0.0	2.839	0.043	0	0	0	4
PL.54966	PL.41667	A	6 A (CWC)	7.21Y	120.2	0.00	4.82	0.00	0	0	0	100	0.00	0.0	2.937	0.098	0	0	1	1
PL.41668	PL.41667	A	#2 ACSR	7.21Y	120.2	0.01	4.83	4.99	3	35	10	96	0.00	0.0	2.878	0.039	0	0	0	3
PL.41008	PL.41668	A	#1/0 ACSR	7.21Y	120.2	0.00	4.83	1.22	1	8	2	97	0.00	0.0	2.936	0.058	8	2	1	1
PL.54967	PL.41668	A	#2 ACSR	7.21Y	120.2	0.01	4.83	3.77	2	26	8	96	0.00	0.0	2.946	0.067	19	6	1	2
PL.54968	PL.54967	A	1/0 AL URD	7.21Y	120.2	0.00	4.83	1.03	1	7	2	96	0.00	0.0	2.965	0.019	7	2	1	1
PL.41638	PL.56808	A	#4 ACSR	7.21Y	120.1	0.05	4.86	8.56	7	59	18	96	0.02	0.0	2.922	0.126	0	0	0	6
PL.41635	PL.41638	A	#4 ACSR	7.21Y	120.1	0.00	4.86	1.31	1	9	3	95	0.00	0.0	2.963	0.041	9	3	1	1
PL.54115	PL.41638	A	#4 ACSR	7.21Y	120.1	0.02	4.88	6.12	5	42	13	96	0.00	0.0	3.034	0.112	31	9	2	4

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

Balanced Voltage Drop Report
Source: West London 2

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.54116	PL.54115	A	#4 ACSR	7.21Y	120.1	0.00	4.89	1.69	1	12	3	97	0.00	0.0	3.145	0.111	12	3	2	2
PL.41844	PL.41638	A	#4 ACSR	7.21Y	120.1	0.00	4.87	1.12	1	8	2	97	0.00	0.0	3.054	0.132	8	2	1	1
PL.41712	PL.41664	ABC	#1/0 ACSR	7.21Y	120.2	0.02	4.77	40.37	18	840	240	96	0.14	0.0	2.731	0.032	0	0	0	117
PL.41328	PL.41712	A	#4 ACSR	7.21Y	120.2	0.01	4.78	21.86	17	151	45	96	0.01	0.0	2.737	0.006	0	0	0	18
PD.6513	PL.41328	A	40QA	7.21Y	120.2	0.00	4.78	21.86	55	151	45	96	0.00	0.0	2.737	0.006	0	0	0	18
PL.54348	PD.6513	A	#4 ACSR	7.21Y	120.1	0.07	4.85	21.86	17	151	45	96	0.08	0.1	2.813	0.077	10	3	2	18
PL.54349	PL.54348	A	#4 ACSR	7.21Y	120.1	0.05	4.90	20.47	16	142	42	96	0.05	0.0	2.866	0.052	8	3	1	16
PL.54316	PL.54349	A	#4 ACSR	7.20Y	120.1	0.03	4.93	19.25	15	133	39	96	0.03	0.0	2.905	0.039	9	3	2	15
PL.43742	PL.54316	A	#4 ACSR	7.20Y	120.1	0.02	4.95	16.98	13	117	35	96	0.01	0.0	2.929	0.024	28	8	3	12
PL.43743	PL.43742	A	#4 ACSR	7.20Y	120.0	0.02	4.97	12.95	10	89	26	96	0.02	0.0	2.968	0.038	0	0	0	9
PL.41630	PL.43743	A	#4 ACSR	7.20Y	120.0	0.00	4.97	2.99	2	21	6	96	0.00	0.0	2.988	0.021	21	6	3	3
PL.43744	PL.43743	A	#4 ACSR	7.20Y	120.0	0.01	4.98	7.11	5	49	15	96	0.00	0.0	2.994	0.026	13	4	1	4
PL.43745	PL.43744	A	#4 ACSR	7.20Y	120.0	0.00	4.98	5.26	4	36	11	96	0.00	0.0	3.021	0.027	22	7	2	3
PL.43746	PL.43745	A	#4 ACSR	7.20Y	120.0	0.00	4.99	2.07	2	14	4	96	0.00	0.0	3.108	0.087	14	4	1	1
PL.41378	PL.43743	A	#4 ACSR	7.20Y	120.0	0.00	4.97	2.85	2	20	6	96	0.00	0.0	2.994	0.027	20	6	2	2
PL.63016	PL.54316	A	#4 ACSR	7.20Y	120.1	0.00	4.93	1.02	1	7	2	96	0.00	0.0	2.905	0.000	0	0	0	1
PL.63017	PL.63016	A	#4 ACSR	7.20Y	120.1	0.00	4.93	1.02	1	7	2	96	0.00	0.0	2.936	0.031	7	2	1	1
PL.41503	PL.41712	ABC	#1/0 ACSR	7.21Y	120.2	0.04	4.81	33.08	14	689	195	96	0.18	0.0	2.794	0.062	17	5	2	99
PL.43747	PL.41503	ABC	#1/0 ACSR	7.21Y	120.1	0.04	4.85	32.25	14	672	190	96	0.19	0.0	2.864	0.070	7	2	2	97
PL.43748	PL.43747	ABC	#1/0 ACSR	7.21Y	120.1	0.03	4.88	31.89	14	664	187	96	0.14	0.0	2.915	0.052	14	4	2	95
PL.43397	PL.43748	ABC	#1/0 ACSR	7.20Y	120.1	0.04	4.92	30.22	13	629	177	96	0.16	0.0	2.982	0.067	0	0	0	91
PL.43403	PL.43397	ABC	#1/0 ACSR	7.20Y	120.1	0.03	4.94	27.38	12	570	159	96	0.10	0.0	3.034	0.052	0	0	0	83
PL.43404	PL.43403	C	#4 ACSR	7.20Y	120.1	0.00	4.94	1.25	1	9	3	95	0.00	0.0	3.040	0.006	0	0	0	2
PD.6608	PL.43404	C	50QA	7.20Y	120.1	0.00	4.94	1.25	2	9	3	95	0.00	0.0	3.040	0.006	0	0	0	2
PL.43405	PD.6608	C	#4 ACSR	7.20Y	120.1	0.00	4.95	1.25	1	9	3	95	0.00	0.0	3.095	0.055	9	3	2	2
PL.60999	PL.43403	ABC	#1/0 ACSR	7.20Y	120.0	0.03	4.98	26.97	12	561	157	96	0.14	0.0	3.106	0.072	2	0	1	81
PL.61000	PL.60999	ABC	#1/0 ACSR	7.20Y	120.0	0.01	4.99	25.99	11	541	151	96	0.04	0.0	3.130	0.024	0	0	0	78
PL.43752	PL.61000	ABC	#1/0 ACSR	7.20Y	120.0	0.00	4.99	25.49	11	530	148	96	0.01	0.0	3.136	0.006	0	0	0	76
PD.6762	PL.43752	ABC	50QA	7.20Y	120.0	0.00	4.99	25.49	51	530	148	96	0.00	0.0	3.136	0.006	0	0	0	76
PL.43753	PD.6762	ABC	#1/0 ACSR	7.20Y	120.0	0.02	5.02	25.49	11	530	148	96	0.09	0.0	3.187	0.051	10	3	1	76
PL.57291	PL.43753	ABC	#1/0 ACSR	7.20Y	120.0	0.02	5.03	22.15	10	461	128	96	0.05	0.0	3.226	0.039	0	0	0	71

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: West London 2

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.57292	PL.57291	C	6 A (CWC)	7.20Y	120.0	0.00	5.03	1.28	1	9	3	95	0.00	0.0	3.231	0.006	0	0	0	1
PD.6411	PL.57292	C	50QA	7.20Y	120.0	0.00	5.03	1.28	3	9	3	95	0.00	0.0	3.231	0.006	0	0	0	1
PL.43535	PD.6411	C	6 A (CWC)	7.20Y	120.0	0.00	5.03	1.28	1	9	3	95	0.00	0.0	3.267	0.036	9	3	1	1
PL.57302	PL.57291	ABC	#1/0 ACSR	7.20Y	119.9	0.02	5.06	21.72	9	452	125	96	0.08	0.0	3.289	0.064	14	4	1	70
PL.57303	PL.57302	B	1/0 AL URD	7.20Y	119.9	0.00	5.06	-0.00	0	0	0	100	0.00	0.0	3.294	0.005	0	0	0	0
PL.62962	PL.57302	ABC	#1/0 ACSR	7.20Y	119.9	0.02	5.07	17.99	8	374	105	96	0.05	0.0	3.346	0.057	14	4	1	60
PL.63824	PL.62962	ABC	#1/0 ACSR	7.19Y	119.9	0.02	5.09	17.30	8	360	101	96	0.05	0.0	3.408	0.062	0	0	0	59
PL.63830	PL.63824	B	1/0 AL URD	7.19Y	119.9	0.01	5.11	7.03	4	49	14	96	0.00	0.0	3.471	0.063	10	3	1	6
PL.63831	PL.63830	B	1/0 AL URD	7.19Y	119.9	0.00	5.11	5.52	3	38	11	96	0.00	0.0	3.521	0.050	38	11	5	5
PL.63829	PL.63831	B	1/0 AL URD	7.19Y	119.9	-0.00	5.11	-0.05	0	0	0	100	0.00	0.0	3.620	0.099	0	0	0	0
PL.63832	PL.63824	C	1/0 AL URD	7.19Y	119.9	0.00	5.10	2.63	2	18	5	96	0.00	0.0	3.457	0.049	0	0	0	3
PL.63833	PL.63832	C	1/0 AL URD	7.19Y	119.9	0.01	5.10	2.63	2	18	5	96	0.00	0.0	3.546	0.089	7	2	1	3
PL.63828	PL.63833	C	1/0 AL URD	7.19Y	119.9	0.00	5.11	1.58	1	11	3	96	0.00	0.0	3.589	0.043	0	0	0	2
PL.63827	PL.63828	C	1/0 AL URD	7.19Y	119.9	0.00	5.11	1.58	1	11	3	96	0.00	0.0	3.616	0.026	6	2	1	2
PL.63826	PL.63827	C	1/0 AL URD	7.19Y	119.9	0.00	5.11	0.72	0	5	1	98	0.00	0.0	3.637	0.021	5	1	1	1
PL.63825	PL.63824	ABC	#1/0 ACSR	7.19Y	119.9	0.02	5.11	14.08	6	293	82	96	0.04	0.0	3.487	0.079	11	3	1	50
PL.63299	PL.63825	ABC	#1/0 ACSR	7.19Y	119.9	0.01	5.12	13.55	6	281	79	96	0.02	0.0	3.534	0.047	11	3	1	49
PL.63296	PL.63299	ABC	#1/0 ACSR	7.19Y	119.9	0.01	5.13	10.36	5	215	62	96	0.01	0.0	3.584	0.050	11	3	1	39
PL.62963	PL.63296	ABC	#1/0 ACSR	7.19Y	119.9	0.01	5.15	9.84	4	204	58	96	0.02	0.0	3.663	0.078	0	0	0	38
PL.41965	PL.62963	ABC	#1/0 ACSR	7.19Y	119.9	0.00	5.15	5.65	2	117	33	96	0.00	0.0	3.687	0.024	17	5	2	21
PL.56767	PL.41965	ABC	#1/0 ACSR	7.19Y	119.8	0.00	5.15	4.80	2	100	28	96	0.00	0.0	3.734	0.047	41	12	7	19
PL.63306	PL.56767	ABC	#1/0 ACSR	7.19Y	119.8	0.00	5.15	2.83	1	59	15	97	0.00	0.0	3.773	0.040	0	0	0	12
PL.63307	PL.63306	ABC	1/0 AL URD	7.19Y	119.8	0.00	5.15	1.06	1	22	5	98	0.00	0.0	3.778	0.005	0	0	0	7
PD.9460	PL.63307	ABC	100CodeSMo	7.19Y	119.8	0.00	5.15	1.06	0	22	5	98	0.00	0.0	3.778	0.005	0	0	0	7
PL.63308	PD.9460	ABC	1/0 AL URD	7.19Y	119.8	0.00	5.16	1.06	1	22	5	98	0.00	0.0	3.797	0.018	0	0	0	7
PL.64398	PL.63308	ABC	1/0 AL URD	7.19Y	119.8	0.00	5.16	1.06	1	22	5	98	0.00	0.0	3.831	0.035	8	2	1	7
PL.64399	PL.64398	ABC	1/0 AL URD	7.19Y	119.8	0.00	5.16	0.66	0	14	3	98	0.00	0.0	3.877	0.046	0	0	0	6
PL.54416	PL.64399	A	1/0 AL URD	7.19Y	119.8	0.00	5.16	2.00	1	14	4	96	0.00	0.0	3.905	0.028	5	1	4	6
PL.54417	PL.54416	A	1/0 AL URD	7.19Y	119.8	0.00	5.16	1.30	1	9	2	98	0.00	0.0	3.940	0.034	9	3	2	2
PL.54418	PL.54417	A	1/0 AL URD	7.19Y	119.8	0.00	5.16	-0.01	0	0	0	100	0.00	0.0	3.967	0.028	0	0	0	0
PL.63305	PL.63306	A	#1/0 ACSR	7.19Y	119.8	0.00	5.16	5.31	2	37	10	97	0.00	0.0	3.784	0.011	12	4	1	5

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

Balanced Voltage Drop Report
Source: West London 2

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.54716	PL.63305	A	1/0 AL URD	7.19Y	119.8	0.00	5.16	3.58	2	25	7	96	0.00	0.0	3.787	0.003	0	0	0	4
PD.8148	PL.54716	A	30QA	7.19Y	119.8	0.00	5.16	3.58	12	25	7	96	0.00	0.0	3.787	0.003	0	0	0	4
PL.54673	PD.8148	A	1/0 AL URD	7.19Y	119.8	0.00	5.16	3.58	2	25	7	96	0.00	0.0	3.830	0.043	19	6	2	4
PL.54672	PL.54673	A	1/0 AL URD	7.19Y	119.8	0.00	5.16	0.86	1	6	1	99	0.00	0.0	3.865	0.035	3	1	1	2
PL.54671	PL.54672	A	1/0 AL URD	7.19Y	119.8	0.00	5.16	0.42	0	3	1	95	0.00	0.0	3.902	0.038	3	1	1	1
PL.54670	PL.54671	A	1/0 AL URD	7.19Y	119.8	0.00	5.16	-0.02	0	0	0	100	0.00	0.0	3.932	0.030	0	0	0	0
PL.41966	PL.62963	A	#4 ACSR	7.19Y	119.8	0.00	5.15	12.57	10	87	26	96	0.00	0.0	3.668	0.006	0	0	0	17
PD.6533	PL.41966	A	50QA	7.19Y	119.8	0.00	5.15	12.57	25	87	26	96	0.00	0.0	3.668	0.006	0	0	0	17
PL.54600	PD.6533	A	#4 ACSR	7.19Y	119.8	0.02	5.17	12.57	10	87	26	96	0.02	0.0	3.709	0.041	0	0	0	17
PL.54601	PL.54600	A	#4 ACSR	7.19Y	119.8	0.02	5.19	10.22	8	70	21	96	0.01	0.0	3.750	0.041	14	4	2	14
PL.54376	PL.54601	A	#4 ACSR	7.19Y	119.8	0.00	5.19	8.12	6	56	17	96	0.00	0.0	3.759	0.009	7	2	1	12
PL.54375	PL.54376	A	#4 ACSR	7.19Y	119.8	0.02	5.21	7.14	5	49	15	96	0.01	0.0	3.817	0.058	0	0	0	11
PL.53984	PL.54375	A	#4 ACSR	7.19Y	119.8	0.02	5.24	7.14	5	49	15	96	0.01	0.0	3.898	0.081	8	2	1	11
PL.54159	PL.53984	A	#1/0 ACSR	7.19Y	119.8	0.00	5.24	5.93	3	41	12	96	0.00	0.0	3.947	0.049	41	12	10	10
PL.54602	PL.54600	A	#4 ACSR	7.19Y	119.8	0.00	5.18	2.35	2	16	5	95	0.00	0.0	3.740	0.031	7	2	1	3
PL.54603	PL.54602	A	#4 ACSR	7.19Y	119.8	0.00	5.18	1.40	1	10	3	96	0.00	0.0	3.772	0.031	10	3	2	2
PL.63300	PL.63299	B	1/0 AL URD	7.19Y	119.9	0.00	5.13	6.16	4	43	11	97	0.00	0.0	3.554	0.020	0	0	0	6
PL.63298	PL.63300	B	1/0 AL URD	7.19Y	119.9	0.01	5.14	6.16	4	43	11	97	0.00	0.0	3.628	0.074	9	3	1	6
PL.57286	PL.63298	B	1/0 AL URD	7.19Y	119.9	0.01	5.15	4.88	3	34	8	97	0.00	0.0	3.680	0.052	0	0	0	5
PL.57287	PL.57286	B	1/0 AL URD	7.19Y	119.8	0.01	5.16	4.89	3	34	8	97	0.00	0.0	3.722	0.042	0	0	0	5
PL.57288	PL.57287	B	1/0 AL URD	7.19Y	119.8	0.00	5.16	4.90	3	34	9	97	0.00	0.0	3.754	0.033	0	0	0	5
PL.57289	PL.57288	B	1/0 AL URD	7.19Y	119.8	0.01	5.17	4.90	3	34	9	97	0.00	0.0	3.819	0.065	0	0	0	5
PL.57290	PL.57289	B	1/0 AL URD	7.19Y	119.8	0.01	5.18	4.91	3	34	9	97	0.00	0.0	3.878	0.058	9	3	1	5
PL.57301	PL.57290	B	1/0 AL URD	7.19Y	119.8	0.01	5.19	3.59	2	25	7	96	0.00	0.0	3.959	0.081	9	3	2	4
PL.64394	PL.57301	B	1/0 AL URD	7.19Y	119.8	0.00	5.19	2.35	1	16	4	97	0.00	0.0	4.032	0.073	16	5	2	2
PL.64395	PL.64394	B	1/0 AL URD	7.19Y	119.8	-0.00	5.19	-0.04	0	0	0	100	0.00	0.0	4.113	0.081	0	0	0	0
PL.63297	PL.63299	C	6 A (CWC)	7.19Y	119.9	0.00	5.12	1.86	1	13	4	96	0.00	0.0	3.539	0.005	0	0	0	3
PD.9399	PL.63297	C	50QA	7.19Y	119.9	0.00	5.12	1.86	4	13	4	96	0.00	0.0	3.539	0.005	0	0	0	3
PL.62960	PD.9399	C	6 A (CWC)	7.19Y	119.9	0.00	5.13	1.86	1	13	4	96	0.00	0.0	3.586	0.047	4	1	1	3
PL.57357	PL.62960	C	6 A (CWC)	7.19Y	119.9	0.00	5.13	1.32	1	9	3	95	0.00	0.0	3.673	0.087	9	3	2	2
PL.62961	PL.63825	B	1/0 AL URD	7.19Y	119.9	0.00	5.11	-0.00	0	0	0	100	0.00	0.0	3.493	0.006	0	0	0	0

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

Balanced Voltage Drop Report
Source: West London 2

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.57304	PL.57302	B	1/0 AL URD	7.20Y	119.9	0.01	5.07	9.12	5	64	16	97	0.00	0.0	3.328	0.039	11	3	1	9
PL.57305	PL.57304	B	1/0 AL URD	7.20Y	119.9	0.01	5.08	7.52	4	53	13	97	0.01	0.0	3.385	0.057	0	0	1	8
PL.57293	PL.57305	B	1/0 AL URD	7.19Y	119.9	0.01	5.09	7.50	4	52	13	97	0.01	0.0	3.437	0.052	0	0	0	7
PL.60986	PL.57293	B	1/0 AL URD	7.19Y	119.9	0.00	5.09	7.51	4	52	14	97	0.00	0.0	3.438	0.000	16	5	1	7
PL.60987	PL.60986	B	1/0 AL URD	7.19Y	119.9	0.01	5.10	5.25	3	37	9	97	0.00	0.0	3.468	0.031	0	0	0	6
PL.63282	PL.60987	B	1/0 AL URD	7.19Y	119.9	0.01	5.10	5.25	3	37	9	97	0.00	0.0	3.522	0.053	7	2	2	6
PL.63283	PL.63282	B	1/0 AL URD	7.19Y	119.9	0.01	5.11	4.24	2	30	7	97	0.00	0.0	3.570	0.048	12	4	2	4
PL.57294	PL.63283	B	1/0 AL URD	7.19Y	119.9	0.01	5.12	2.45	1	17	4	97	0.00	0.0	3.649	0.080	0	0	0	2
PL.57295	PL.57294	B	1/0 AL URD	7.19Y	119.9	0.01	5.12	2.46	1	17	4	97	0.00	0.0	3.723	0.073	0	0	1	2
PL.57296	PL.57295	B	1/0 AL URD	7.19Y	119.9	0.00	5.12	2.45	1	17	4	97	0.00	0.0	3.754	0.031	0	0	0	1
PL.57297	PL.57296	B	1/0 AL URD	7.19Y	119.9	0.00	5.13	2.45	1	17	4	97	0.00	0.0	3.784	0.030	0	0	0	1
PL.57298	PL.57297	B	1/0 AL URD	7.19Y	119.9	0.00	5.13	2.45	1	17	4	97	0.00	0.0	3.842	0.059	17	5	1	1
PL.57299	PL.57298	B	1/0 AL URD	7.19Y	119.9	-0.00	5.13	-0.06	0	0	0	100	0.00	0.0	3.934	0.091	0	0	0	0
PL.57300	PL.57299	B	1/0 AL URD	7.19Y	119.9	0.00	5.13	-0.01	0	0	0	100	0.00	0.0	3.950	0.017	0	0	0	0
PL.43756	PL.43753	C	6 A (CWC)	7.20Y	120.0	0.00	5.02	8.64	6	60	17	96	0.00	0.0	3.192	0.006	0	0	0	4
PD.6410	PL.43756	C	50QA	7.20Y	120.0	0.00	5.02	8.64	17	60	17	96	0.00	0.0	3.192	0.006	0	0	0	4
PL.43757	PD.6410	C	6 A (CWC)	7.20Y	120.0	0.00	5.02	8.64	6	60	17	96	0.00	0.0	3.203	0.010	24	7	1	4
PL.42267	PL.43757	C	1/0 AL URD	7.20Y	120.0	0.00	5.02	5.23	3	36	10	96	0.00	0.0	3.221	0.018	0	0	0	3
PL.43758	PL.42267	C	1/0 AL URD	7.20Y	120.0	0.00	5.03	5.23	3	36	10	96	0.00	0.0	3.251	0.031	17	5	1	3
PL.43759	PL.43758	C	1/0 AL URD	7.20Y	120.0	0.00	5.03	2.83	2	20	5	97	0.00	0.0	3.292	0.040	11	3	1	2
PL.42264	PL.43759	C	1/0 AL URD	7.20Y	120.0	0.00	5.03	1.27	1	9	2	98	0.00	0.0	3.365	0.073	9	3	1	1
PL.43761	PL.42264	C	1/0 AL URD	7.20Y	120.0	0.00	5.03	-0.00	0	0	0	100	0.00	0.0	3.371	0.006	0	0	0	0
PL.43751	PL.61000	C	6 A (CWC)	7.20Y	120.0	0.00	4.99	1.53	1	11	3	96	0.00	0.0	3.136	0.006	0	0	0	2
PD.6609	PL.43751	C	50QA	7.20Y	120.0	0.00	4.99	1.53	3	11	3	96	0.00	0.0	3.136	0.006	0	0	0	2
PL.43754	PD.6609	C	6 A (CWC)	7.20Y	120.0	0.00	4.99	1.53	1	11	3	96	0.00	0.0	3.146	0.010	11	3	2	2
PL.43755	PL.43754	C	6 A (CWC)	7.20Y	120.0	0.00	4.99	0.00	0	0	0	100	0.00	0.0	3.266	0.120	0	0	0	0
PL.60998	PL.60999	C	6 A (CWC)	7.20Y	120.0	0.00	4.98	2.69	2	19	5	97	0.00	0.0	3.138	0.032	0	0	0	2
PL.43406	PL.60998	C	1/0 AL URD	7.20Y	120.0	0.00	4.98	2.69	2	19	5	97	0.00	0.0	3.144	0.006	0	0	0	2
PD.6532	PL.43406	C	50QA	7.20Y	120.0	0.00	4.98	2.69	5	19	5	97	0.00	0.0	3.144	0.006	0	0	0	2
PL.43407	PD.6532	C	1/0 AL URD	7.20Y	120.0	0.00	4.98	2.69	2	19	5	97	0.00	0.0	3.168	0.024	10	3	1	2
PL.43749	PL.43407	C	1/0 AL URD	7.20Y	120.0	0.00	4.99	1.30	1	9	2	98	0.00	0.0	3.209	0.041	9	3	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: West London 2

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.43750	PL.43749	C	1/0 AL URD	7.20Y	120.0	-0.00	4.99	-0.08	0	0	-1	0	0.00	0.0	3.247	0.038	0	0	0	0
PL.42249	PL.43750	C	1/0 AL URD	7.20Y	120.0	-0.00	4.99	-0.06	0	0	0	100	0.00	0.0	3.287	0.040	0	0	0	0
PL.43760	PL.42249	C	1/0 AL URD	7.20Y	120.0	-0.00	4.99	-0.04	0	0	0	100	0.00	0.0	3.369	0.082	0	0	0	0
PL.43399	PL.43397	C	#2 ACSR	7.20Y	120.1	0.00	4.92	1.82	1	13	4	96	0.00	0.0	2.988	0.006	0	0	0	2
PD.6123	PL.43399	C	50QA	7.20Y	120.1	0.00	4.92	1.82	4	13	4	96	0.00	0.0	2.988	0.006	0	0	0	2
PL.43400	PD.6123	C	#2 ACSR	7.20Y	120.1	0.00	4.92	1.82	1	13	4	96	0.00	0.0	3.017	0.029	13	4	2	2
PL.43398	PL.43397	A	6 A (CWC)	7.20Y	120.1	0.00	4.92	6.69	5	46	14	96	0.00	0.0	2.988	0.006	0	0	0	6
PD.6445	PL.43398	A	50QA	7.20Y	120.1	0.00	4.92	6.69	13	46	14	96	0.00	0.0	2.988	0.006	0	0	0	6
PL.43401	PD.6445	A	6 A (CWC)	7.20Y	120.1	0.01	4.93	6.69	5	46	14	96	0.00	0.0	3.009	0.021	15	4	2	6
PL.43402	PL.43401	A	6 A (CWC)	7.20Y	120.1	0.00	4.93	4.59	3	32	9	96	0.00	0.0	3.033	0.024	32	9	4	4
PL.60991	PL.43748	C	6 A (CWC)	7.21Y	120.1	0.00	4.88	2.93	2	20	6	96	0.00	0.0	2.937	0.021	0	0	0	2
PD.9082	PL.60991	C	15T	7.21Y	120.1	0.00	4.88	2.93	0	20	6	96	0.00	0.0	2.937	0.021	0	0	0	2
PL.60992	PD.9082	C	6 A (CWC)	7.21Y	120.1	0.00	4.89	2.93	2	20	6	96	0.00	0.0	3.000	0.064	20	6	2	2
PL.41810	PL.41711	A	6 A (CWC)	7.23Y	120.5	0.05	4.54	22.86	16	158	47	96	0.06	0.0	2.437	0.050	24	7	1	18
PL.58776	PL.41810	A	6 A (CWC)	7.23Y	120.5	0.00	4.54	14.02	10	97	29	96	0.00	0.0	2.440	0.004	0	0	0	10
PD.8737	PL.58776	A	20T	7.23Y	120.5	0.00	4.54	14.02	0	97	29	96	0.00	0.0	2.440	0.004	0	0	0	10
PL.58777	PD.8737	A	6 A (CWC)	7.23Y	120.4	0.03	4.57	14.02	10	97	29	96	0.02	0.0	2.492	0.052	13	4	1	10
PL.72955	PL.58777	A	6 A (CWC)	7.22Y	120.4	0.03	4.60	12.07	9	84	25	96	0.02	0.0	2.547	0.055	18	5	2	9
PL.43726	PL.72955	A	6 A (CWC)	7.22Y	120.4	0.01	4.61	6.32	5	44	13	96	0.00	0.0	2.582	0.035	0	0	0	5
PL.54295	PL.43726	A	6 A (CWC)	7.22Y	120.4	0.02	4.63	6.32	5	44	13	96	0.01	0.0	2.654	0.073	16	5	1	5
PL.54296	PL.54295	A	6 A (CWC)	7.22Y	120.4	0.01	4.64	4.07	3	28	8	96	0.00	0.0	2.718	0.064	0	0	0	4
PL.54294	PL.54296	A	#2 ACSR	7.22Y	120.4	0.00	4.64	1.00	1	7	2	96	0.00	0.0	2.746	0.028	7	2	2	2
PL.43727	PL.54296	A	6 A (CWC)	7.22Y	120.4	0.01	4.65	3.07	2	21	6	96	0.00	0.0	2.770	0.052	0	0	0	2
PL.43728	PL.43727	A	6 A (CWC)	7.22Y	120.4	0.00	4.65	1.59	1	11	3	96	0.00	0.0	2.807	0.037	11	3	1	1
PL.41300	PL.43727	A	#4 ACSR	7.22Y	120.4	0.00	4.65	1.48	1	10	3	96	0.00	0.0	2.847	0.077	10	3	1	1
PL.41629	PL.43726	A	6 A (CWC)	7.22Y	120.4	0.00	4.61	0.00	0	0	0	100	0.00	0.0	2.635	0.053	0	0	0	0
PL.41634	PL.72955	A	6 A (CWC)	7.22Y	120.4	0.00	4.60	3.10	2	21	6	96	0.00	0.0	2.579	0.033	21	6	2	2
PL.58774	PL.41810	A	6 A (CWC)	7.23Y	120.5	0.00	4.54	5.36	4	37	11	96	0.00	0.0	2.441	0.004	0	0	0	7
PD.8736	PL.58774	A	30T	7.23Y	120.5	0.00	4.54	5.36	0	37	11	96	0.00	0.0	2.441	0.004	0	0	0	7
PL.58775	PD.8736	A	6 A (CWC)	7.22Y	120.4	0.05	4.59	5.36	4	37	11	96	0.01	0.0	2.625	0.184	0	0	0	7
PL.58771	PL.58775	A	#2 ACSR	7.22Y	120.4	0.00	4.59	0.00	0	0	0	100	0.00	0.0	2.782	0.158	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: West London 2

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.58773	PL.58775	A	6 A (CWC)	7.22Y	120.4	0.00	4.59	1.96	1	14	4	96	0.00	0.0	2.643	0.018	0	0	0	4
PL.43731	PL.58773	A	6 A (CWC)	7.22Y	120.4	0.01	4.60	1.09	1	8	2	97	0.00	0.0	2.814	0.171	0	0	2	3
PL.43732	PL.43731	A	6 A (CWC)	7.22Y	120.4	0.00	4.60	1.06	1	7	2	96	0.00	0.0	2.834	0.020	7	2	1	1
PL.41377	PL.58773	A	#4 ACSR	7.22Y	120.4	0.00	4.59	0.87	1	6	2	95	0.00	0.0	2.798	0.155	6	2	1	1
PL.58772	PL.58775	A	#4 ACSR	7.22Y	120.4	0.01	4.60	3.40	3	24	7	96	0.00	0.0	2.708	0.083	0	0	0	3
PL.43729	PL.58772	A	#4 ACSR	7.22Y	120.4	0.00	4.60	2.78	2	19	6	95	0.00	0.0	2.735	0.028	6	2	1	2
PL.43730	PL.43729	A	#4 ACSR	7.22Y	120.4	0.00	4.60	1.94	1	13	4	96	0.00	0.0	2.774	0.039	13	4	1	1
PL.41637	PL.58772	A	#4 ACSR	7.22Y	120.4	0.00	4.60	0.62	0	4	1	97	0.00	0.0	2.756	0.048	4	1	1	1
PL.41776	PL.41711	A	#2 ACSR	7.23Y	120.5	0.00	4.49	0.96	1	7	2	96	0.00	0.0	2.422	0.035	7	2	1	1
PL.54113	PL.41711	ABC	#1/0 ACSR	7.23Y	120.5	0.00	4.49	4.12	2	81	39	90	0.00	0.0	2.419	0.032	0	0	0	1
PL.54114	PL.54113	ABC	1/0 AL URD	7.23Y	120.5	0.00	4.50	4.12	2	81	39	90	0.00	0.0	2.456	0.037	81	39	1	1
PL.43719	PL.43713	C	6 A (CWC)	7.26Y	121.0	0.00	3.96	2.11	2	15	4	97	0.00	0.0	1.917	0.006	0	0	0	1
PD.6122	PL.43719	C	75QA	7.26Y	121.0	0.00	3.96	2.11	3	15	4	97	0.00	0.0	1.917	0.006	0	0	0	1
PL.43720	PD.6122	C	6 A (CWC)	7.26Y	121.0	0.00	3.96	2.11	2	15	4	97	0.00	0.0	1.996	0.079	15	4	1	1
PL.43030	PL.43713	ABC	#3/0 ACSR	7.26Y	121.0	0.07	4.03	59.34	20	1245	349	96	0.54	0.0	2.002	0.091	0	0	0	147
PL.54387	PL.43030	ABC	#3/0 ACSR	7.26Y	120.9	0.05	4.07	59.34	20	1244	348	96	0.38	0.0	2.066	0.064	19	6	1	147
PL.54388	PL.54387	A	#4 ACSR	7.26Y	120.9	0.00	4.08	5.71	4	40	12	96	0.00	0.0	2.072	0.006	0	0	0	4
PD.6495	PL.54388	A	75QA	7.26Y	120.9	0.00	4.08	5.71	8	40	12	96	0.00	0.0	2.072	0.006	0	0	0	4
PL.43031	PD.6495	A	#4 ACSR	7.25Y	120.9	0.02	4.10	5.71	4	40	12	96	0.01	0.0	2.163	0.091	0	0	0	4
PL.41308	PL.43031	A	#4 ACSR	7.25Y	120.9	0.00	4.10	0.49	0	3	1	95	0.00	0.0	2.198	0.034	3	1	1	1
PL.43032	PL.43031	A	#4 ACSR	7.25Y	120.9	0.02	4.12	5.22	4	36	11	96	0.01	0.0	2.253	0.089	0	0	0	3
PL.54327	PL.43032	A	#4 ACSR	7.25Y	120.9	0.01	4.13	3.73	3	26	7	97	0.00	0.0	2.313	0.061	17	5	1	2
PL.54328	PL.54327	A	1/0 AL URD	7.25Y	120.9	0.00	4.13	1.27	1	9	2	98	0.00	0.0	2.366	0.052	9	3	1	1
PL.54326	PL.43032	A	#2 ACSR	7.25Y	120.9	0.00	4.12	1.49	1	10	3	96	0.00	0.0	2.309	0.056	10	3	1	1
PL.54390	PL.54387	ABC	#3/0 ACSR	7.25Y	120.9	0.07	4.14	56.20	19	1179	328	96	0.51	0.0	2.164	0.098	14	4	1	139
PL.43033	PL.54390	ABC	#3/0 ACSR	7.25Y	120.8	0.06	4.21	54.15	18	1135	315	96	0.46	0.0	2.257	0.093	0	0	0	135
PL.43034	PL.43033	ABC	#3/0 ACSR	7.25Y	120.8	0.00	4.21	54.15	18	1135	314	96	0.03	0.0	2.263	0.006	0	0	0	135
RG.43	PL.43034	ABC	250kva	7.48Y	124.7	-3.90	0.31	54.15	17	1135	314	96	percent Boost= 3.12		Tap= 5.0					135
PL.43035	RG.43	ABC	#3/0 ACSR	7.48Y	124.7	0.01	0.32	52.46	17	1135	314	96	0.07	0.0	2.279	0.016	0	0	0	135
PL.54351	PL.43035	ABC	#3/0 ACSR	7.48Y	124.6	0.07	0.40	50.92	17	1101	304	96	0.50	0.0	2.396	0.117	22	7	3	131
PL.57365	PL.54351	ABC	#3/0 ACSR	7.48Y	124.6	0.00	0.40	0.41	0	9	3	95	0.00	0.0	2.457	0.061	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: West London 2

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
	PL.57367	PL.57365	ABC	#3/0 ACSR	7.48Y	124.6	0.00	0.40	0.00	0	0	0	100	0.00	0.0	2.514	0.057	0	0	0	0	
	PD.8356-A	PL.57367	ABC	Open	7.48Y	124.6	0.00	0.40	0.00	0	0	0	100	0.00	0.0	2.514	0.057	0	0	0	0	
	PL.57366	PL.57365	C	#4 ACSR	7.48Y	124.6	0.00	0.40	1.22	1	9	3	95	0.00	0.0	2.462	0.006	0	0	0	1	
	PD.6739	PL.57366	C	75QA	7.48Y	124.6	0.00	0.40	1.22	2	9	3	95	0.00	0.0	2.462	0.006	0	0	0	1	
	PL.43029	PD.6739	C	#4 ACSR	7.48Y	124.6	0.00	0.40	1.22	1	9	3	95	0.00	0.0	2.548	0.086	9	3	1	1	
	PL.54350	PL.54351	ABC	#1/0 ACSR	7.47Y	124.6	0.02	0.42	49.48	22	1070	294	96	0.15	0.0	2.418	0.022	0	0	0	127	
	PL.64838	PL.54350	ABC	#1/0 ACSR	7.47Y	124.6	0.01	0.42	49.48	22	1070	294	96	0.04	0.0	2.424	0.006	0	0	0	127	
C	PD.9562	PL.64838	ABC	50L	7.47Y	124.6	0.00	0.42	49.48	99	1070	294	96	0.00	0.0	2.424	0.006	0	0	0	127	C
	PL.64837	PD.9562	ABC	#1/0 ACSR	7.47Y	124.5	0.08	0.50	49.48	22	1070	294	96	0.56	0.1	2.510	0.086	0	0	1	127	
	PL.60760	PL.64837	ABC	#1/0 ACSR	7.47Y	124.5	0.02	0.52	49.14	21	1062	291	96	0.15	0.0	2.533	0.023	0	0	0	124	
	PL.63303	PL.60760	B	1/0 AL URD	7.47Y	124.5	0.00	0.52	2.85	2	20	6	96	0.00	0.0	2.600	0.066	20	6	2	2	
	PL.60761	PL.60760	ABC	#1/0 ACSR	7.46Y	124.4	0.10	0.62	48.20	21	1041	286	96	0.73	0.1	2.651	0.118	0	0	0	122	
	PL.60988	PL.60761	ABC	#1/0 ACSR	7.46Y	124.3	0.08	0.71	45.61	20	985	268	96	0.57	0.1	2.754	0.103	0	0	0	116	
	PL.43187	PL.60988	ABC	#1/0 ACSR	7.45Y	124.2	0.09	0.79	43.69	19	943	256	97	0.56	0.1	2.864	0.110	0	0	0	110	
	PL.43763	PL.43187	ABC	#1/0 ACSR	7.45Y	124.1	0.06	0.86	43.69	19	943	255	97	0.41	0.0	2.945	0.081	5	2	1	110	
	PL.43764	PL.43763	ABC	#1/0 ACSR	7.44Y	124.1	0.07	0.93	43.43	19	937	253	97	0.48	0.1	3.040	0.095	0	0	0	109	
	PL.52831	PL.43764	ABC	#1/0 ACSR	7.44Y	124.0	0.04	0.97	42.22	18	911	245	97	0.26	0.0	3.096	0.056	0	0	0	107	
	PL.52832	PL.52831	ABC	#1/0 ACSR	7.44Y	124.0	0.03	1.00	37.96	17	819	218	97	0.17	0.0	3.141	0.045	0	0	0	95	
	PL.52936	PL.52832	ABC	#1/0 ACSR	7.43Y	123.8	0.15	1.15	37.82	16	816	217	97	0.82	0.1	3.358	0.218	8	2	1	94	
	PL.52939	PL.52936	ABC	#1/0 ACSR	7.43Y	123.8	0.01	1.17	19.33	8	417	108	97	0.04	0.0	3.400	0.042	0	0	0	52	
	PL.52940	PL.52939	ABC	#2 ACSR	7.43Y	123.8	0.03	1.19	19.05	11	411	106	97	0.08	0.0	3.456	0.056	2	1	2	51	
	PL.52941	PL.52940	ABC	#2 ACSR	7.43Y	123.8	0.01	1.20	18.96	11	409	105	97	0.02	0.0	3.469	0.013	0	0	0	49	
	PL.52829	PL.52941	ABC	1/0 AL URD	7.43Y	123.8	0.00	1.20	18.96	11	409	105	97	0.00	0.0	3.470	0.001	0	0	0	49	
	PD.7978	PL.52829	ABC	40QA	7.43Y	123.8	0.00	1.20	18.96	47	409	105	97	0.00	0.0	3.470	0.001	0	0	0	49	
	PL.52911	PD.7978	ABC	1/0 AL URD	7.43Y	123.8	0.00	1.20	18.96	11	409	105	97	0.01	0.0	3.475	0.005	0	0	0	49	
	PL.52913	PL.52911	C	1/0 AL URD	7.43Y	123.8	0.00	1.20	3.11	2	22	6	96	0.00	0.0	3.494	0.019	10	3	1	2	
	PL.52835	PL.52913	C	1/0 AL URD	7.43Y	123.8	0.00	1.20	1.70	1	12	3	97	0.00	0.0	3.543	0.049	12	4	1	1	
	PL.52836	PL.52835	C	1/0 AL URD	7.43Y	123.8	-0.00	1.20	-0.03	0	0	0	100	0.00	0.0	3.594	0.051	0	0	0	0	
	PL.52912	PL.52911	ABC	1/0 AL URD	7.43Y	123.8	0.03	1.23	10.96	6	237	58	97	0.05	0.0	3.600	0.126	0	0	0	29	
	PL.52908	PL.52912	A	1/0 AL URD	7.43Y	123.8	0.02	1.25	15.83	9	113	32	96	0.02	0.0	3.645	0.045	15	5	3	16	
	PL.52909	PL.52908	A	1/0 AL URD	7.42Y	123.7	0.03	1.27	13.66	8	98	28	96	0.02	0.0	3.707	0.062	12	4	2	13	

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

Balanced Voltage Drop Report
Source: West London 2

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.52844	PL.52909	A	1/0 AL URD	7.42Y	123.7	0.02	1.29	12.00	7	86	24	96	0.01	0.0	3.754	0.047	17	5	2	11
PL.52845	PL.52844	A	1/0 AL URD	7.42Y	123.7	0.01	1.30	9.59	6	68	20	96	0.01	0.0	3.801	0.047	17	5	3	9
PL.52846	PL.52845	A	1/0 AL URD	7.42Y	123.7	0.01	1.31	7.15	4	51	15	96	0.00	0.0	3.857	0.056	22	7	2	6
PL.52847	PL.52846	A	1/0 AL URD	7.42Y	123.7	0.00	1.32	4.04	2	29	8	96	0.00	0.0	3.907	0.051	15	4	3	4
PL.52848	PL.52847	A	1/0 AL URD	7.42Y	123.7	0.00	1.32	1.91	1	14	4	96	0.00	0.0	3.936	0.028	0	0	0	1
PL.52834	PL.52848	A	6 A (CWC)	7.42Y	123.7	0.01	1.33	1.92	1	14	4	96	0.00	0.0	4.055	0.119	0	0	0	1
PL.43766	PL.52834	A	6 A (CWC)	7.42Y	123.7	0.00	1.33	0.00	0	0	0	100	0.00	0.0	4.178	0.123	0	0	0	0
PL.52942	PL.52834	A	#2 ACSR	7.42Y	123.7	0.00	1.33	1.92	1	14	4	96	0.00	0.0	4.126	0.071	14	4	1	1
PL.52849	PL.52847	A	1/0 AL URD	7.42Y	123.7	0.00	1.32	-0.00	0	0	0	100	0.00	0.0	3.914	0.007	0	0	0	0
PL.52851	PL.52912	A	1/0 AL URD	7.43Y	123.8	0.01	1.24	10.14	6	72	21	96	0.01	0.0	3.646	0.045	20	6	2	8
PL.52852	PL.52851	A	1/0 AL URD	7.43Y	123.8	0.01	1.25	7.36	4	53	15	96	0.00	0.0	3.682	0.036	15	4	1	6
PL.52850	PL.52852	A	1/0 AL URD	7.42Y	123.7	0.00	1.25	5.33	3	38	11	96	0.00	0.0	3.718	0.036	16	5	3	5
PL.52725	PL.52850	A	1/0 AL URD	7.42Y	123.7	0.00	1.25	3.04	2	22	6	96	0.00	0.0	3.750	0.032	22	6	2	2
PL.52943	PL.52725	A	1/0 AL URD	7.42Y	123.7	-0.00	1.25	-0.03	0	0	0	100	0.00	0.0	3.806	0.056	0	0	0	0
PL.53383	PL.52725	A	1/0 AL URD	7.42Y	123.7	0.00	1.25	0.00	0	0	0	100	0.00	0.0	3.752	0.002	0	0	0	0
PL.52910	PL.52912	ABC	1/0 AL URD	7.43Y	123.8	0.00	1.23	2.34	1	52	7	99	0.00	0.0	3.703	0.103	0	0	0	5
PL.52745	PL.52910	ABC	1/0 AL URD	7.43Y	123.8	0.01	1.24	2.35	1	52	8	99	0.00	0.0	3.869	0.166	0	0	0	5
PL.52746	PL.52745	C	1/0 AL URD	7.43Y	123.8	0.00	1.24	-0.00	0	0	0	100	0.00	0.0	3.876	0.007	0	0	0	0
PL.53389	PL.52745	ABC	1/0 AL URD	7.43Y	123.8	0.00	1.25	2.36	1	52	10	98	0.00	0.0	3.972	0.103	0	0	0	5
PL.53385	PL.53389	B	1/0 AL URD	7.42Y	123.7	0.01	1.25	6.08	4	44	12	96	0.00	0.0	4.002	0.030	0	0	0	4
PL.53386	PL.53385	B	1/0 AL URD	7.42Y	123.7	0.01	1.26	6.08	4	44	12	96	0.00	0.0	4.055	0.053	21	6	2	4
PL.52726	PL.53386	B	1/0 AL URD	7.42Y	123.7	0.00	1.26	3.19	2	23	6	97	0.00	0.0	4.115	0.060	23	7	2	2
PL.53384	PL.52726	B	1/0 AL URD	7.42Y	123.7	-0.00	1.26	-0.05	0	0	0	100	0.00	0.0	4.200	0.085	0	0	0	0
PL.53388	PL.53389	B	1/0 AL URD	7.43Y	123.8	0.00	1.25	1.10	1	8	0	100	0.00	0.0	4.009	0.037	0	0	0	1
PL.52730	PL.53388	B	1/0 AL URD	7.43Y	123.8	0.00	1.25	1.09	1	8	0	100	0.00	0.0	4.066	0.057	0	0	0	1
PL.52731	PL.52730	B	1/0 AL URD	7.42Y	123.7	0.00	1.25	1.09	1	8	0	100	0.00	0.0	4.110	0.044	0	0	0	1
PL.52732	PL.52731	B	1/0 AL URD	7.42Y	123.7	0.00	1.25	1.09	1	8	0	100	0.00	0.0	4.151	0.041	0	0	0	1
PL.52733	PL.52732	B	1/0 AL URD	7.42Y	123.7	0.00	1.25	1.10	1	8	0	100	0.00	0.0	4.221	0.070	0	0	0	1
PL.52734	PL.52733	B	1/0 AL URD	7.42Y	123.7	0.00	1.26	1.10	1	8	1	99	0.00	0.0	4.258	0.037	0	0	0	1
PL.52735	PL.52734	B	1/0 AL URD	7.42Y	123.7	0.00	1.26	1.10	1	8	1	99	0.00	0.0	4.297	0.039	0	0	0	1
PL.52736	PL.52735	B	1/0 AL URD	7.42Y	123.7	0.00	1.26	1.10	1	8	1	99	0.00	0.0	4.339	0.042	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: West London 2

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.52737	PL.52736	B	1/0 AL URD	7.42Y	123.7	0.00	1.26	1.11	1	8	1	99	0.00	0.0	4.382	0.043	0	0	0	1
PL.57875	PL.52737	B	1/0 AL URD	7.42Y	123.7	0.00	1.26	1.11	1	8	1	99	0.00	0.0	4.414	0.032	8	2	1	1
PL.57876	PL.57875	B	1/0 AL URD	7.42Y	123.7	-0.00	1.26	-0.13	0	0	-1	0	0.00	0.0	4.428	0.014	0	0	0	0
PL.52738	PL.57876	B	1/0 AL URD	7.42Y	123.7	-0.00	1.26	-0.12	0	0	-1	0	0.00	0.0	4.519	0.091	0	0	0	0
PL.52740	PL.52738	B	1/0 AL URD	7.42Y	123.7	-0.00	1.26	-0.07	0	0	-1	0	0.00	0.0	4.614	0.095	0	0	0	0
PL.52741	PL.52740	B	1/0 AL URD	7.42Y	123.7	0.00	1.26	-0.02	0	0	0	100	0.00	0.0	4.657	0.043	0	0	0	0
PL.53387	PL.53389	B	1/0 AL URD	7.43Y	123.8	-0.00	1.25	-0.04	0	0	0	100	0.00	0.0	3.989	0.017	0	0	0	0
PL.52739	PL.53387	B	1/0 AL URD	7.43Y	123.8	0.00	1.25	-0.02	0	0	0	100	0.00	0.0	4.031	0.042	0	0	0	0
PL.52742	PL.53387	B	1/0 AL URD	7.43Y	123.8	0.00	1.25	-0.00	0	0	0	100	0.00	0.0	3.995	0.006	0	0	0	0
PL.52914	PL.52911	C	1/0 AL URD	7.43Y	123.8	0.02	1.22	20.90	12	150	41	96	0.02	0.0	3.504	0.029	13	4	1	18
PL.52915	PL.52914	C	1/0 AL URD	7.43Y	123.8	0.02	1.24	15.00	9	108	29	97	0.02	0.0	3.546	0.042	0	0	0	12
PL.52919	PL.52915	C	1/0 AL URD	7.42Y	123.7	0.03	1.27	15.01	9	108	29	97	0.02	0.0	3.614	0.068	27	8	3	12
PL.52920	PL.52919	C	1/0 AL URD	7.42Y	123.7	0.02	1.29	11.26	7	81	22	97	0.01	0.0	3.674	0.059	23	7	2	9
PL.52921	PL.52920	C	1/0 AL URD	7.42Y	123.7	0.00	1.29	-0.00	0	0	0	100	0.00	0.0	3.681	0.008	0	0	0	0
PL.52727	PL.52920	C	1/0 AL URD	7.42Y	123.7	0.02	1.30	8.06	5	58	15	97	0.01	0.0	3.761	0.088	24	7	2	7
PL.52728	PL.52727	C	1/0 AL URD	7.42Y	123.7	0.01	1.31	4.69	3	34	8	97	0.00	0.0	3.841	0.080	17	5	2	5
PL.52748	PL.52728	C	1/0 AL URD	7.42Y	123.7	0.00	1.32	2.31	1	17	4	97	0.00	0.0	3.916	0.075	6	2	2	3
PL.52749	PL.52748	C	1/0 AL URD	7.42Y	123.7	0.01	1.32	1.48	1	11	2	98	0.00	0.0	4.024	0.108	0	0	0	1
PL.52729	PL.52749	C	1/0 AL URD	7.42Y	123.7	0.00	1.32	1.49	1	11	3	96	0.00	0.0	4.071	0.047	11	3	1	1
PL.52743	PL.52729	C	1/0 AL URD	7.42Y	123.7	-0.00	1.32	-0.05	0	0	0	100	0.00	0.0	4.120	0.049	0	0	0	0
PL.52747	PL.52743	C	1/0 AL URD	7.42Y	123.7	0.00	1.32	-0.02	0	0	0	100	0.00	0.0	4.151	0.031	0	0	0	0
PL.52744	PL.52743	C	1/0 AL URD	7.42Y	123.7	0.00	1.32	-0.00	0	0	0	100	0.00	0.0	4.125	0.005	0	0	0	0
PL.52916	PL.52914	C	1/0 AL URD	7.43Y	123.8	0.00	1.22	4.05	2	29	8	96	0.00	0.0	3.558	0.054	20	6	2	5
PL.52918	PL.52916	C	1/0 AL URD	7.43Y	123.8	0.00	1.23	1.25	1	9	2	98	0.00	0.0	3.612	0.054	9	3	3	3
PL.52917	PL.52918	C	1/0 AL URD	7.43Y	123.8	0.00	1.23	-0.01	0	0	0	100	0.00	0.0	3.636	0.025	0	0	0	0
PL.52377	PL.52939	A	#4 ACSR	7.43Y	123.8	0.00	1.17	0.84	1	6	2	95	0.00	0.0	3.401	0.002	0	0	0	1
PD.7969	PL.52377	A	40QA	7.43Y	123.8	0.00	1.17	0.84	2	6	2	95	0.00	0.0	3.401	0.002	0	0	0	1
PL.52378	PD.7969	A	#4 ACSR	7.43Y	123.8	0.00	1.17	0.84	1	6	2	95	0.00	0.0	3.540	0.139	6	2	1	1
PL.52938	PL.52936	A	#1/0 ACSR	7.43Y	123.8	0.00	1.15	0.56	0	4	1	97	0.00	0.0	3.364	0.006	0	0	0	1
PD.6783	PL.52938	A	10QA	7.43Y	123.8	0.00	1.15	0.56	0	4	1	97	0.00	0.0	3.364	0.006	0	0	0	1
PL.52935	PD.6783	A	#1/0 ACSR	7.43Y	123.8	0.00	1.15	0.56	0	4	1	97	0.00	0.0	3.377	0.014	4	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: West London 2

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.52937	PL.52936	ABC	#1/0 ACSR	7.43Y	123.8	0.05	1.21	17.92	8	385	105	96	0.14	0.0	3.527	0.169	0	0	0	40
PL.56354	PL.52937	ABC	#1/0 ACSR	7.43Y	123.8	0.03	1.24	16.82	7	361	99	96	0.08	0.0	3.629	0.102	0	0	0	38
PL.56355	PL.56354	ABC	#1/0 ACSR	7.42Y	123.7	0.06	1.30	16.16	7	347	95	96	0.15	0.0	3.838	0.209	0	0	0	36
PL.56357	PL.56355	ABC	#1/0 ACSR	7.42Y	123.7	0.02	1.31	15.73	7	338	92	96	0.04	0.0	3.896	0.057	9	3	1	35
PL.52923	PL.56357	ABC	#1/0 ACSR	7.42Y	123.7	0.03	1.34	15.30	7	329	89	97	0.07	0.0	4.006	0.110	15	4	3	34
PL.52922	PL.52923	ABC	#1/0 ACSR	7.42Y	123.7	0.01	1.35	2.70	1	58	17	96	0.00	0.0	4.114	0.108	0	0	0	9
PL.51531	PL.52922	B	6 A (CWC)	7.42Y	123.6	0.00	1.35	7.69	5	55	16	96	0.00	0.0	4.119	0.006	0	0	0	8
PD.7937	PL.51531	B	25T	7.42Y	123.6	0.00	1.35	7.69	0	55	16	96	0.00	0.0	4.119	0.006	0	0	0	8
PL.51532	PD.7937	B	6 A (CWC)	7.42Y	123.6	0.01	1.36	7.69	5	55	16	96	0.01	0.0	4.155	0.036	0	0	0	8
PL.52924	PL.51532	B	6 A (CWC)	7.42Y	123.6	0.05	1.41	7.69	5	55	16	96	0.02	0.0	4.319	0.164	14	4	1	8
PL.52927	PL.52924	B	#4 ACSR	7.41Y	123.6	0.02	1.43	3.45	3	25	7	96	0.00	0.0	4.440	0.120	1	0	1	3
PL.66193	PL.52927	B	6 A (CWC)	7.41Y	123.5	0.02	1.45	3.26	2	23	7	96	0.00	0.0	4.715	0.275	23	7	2	2
PL.64635	PL.66193	B	#4 ACSR	7.41Y	123.5	0.00	1.45	0.00	0	0	0	100	0.00	0.0	4.720	0.005	0	0	0	0
PD.9552-A	PL.64635	B	Closed	7.41Y	123.5	0.00	1.45	0.00	0	0	0	100	0.00	0.0	4.720	0.005	0	0	0	0
PD.9552-B	PD.9552-A	B	Closed	7.41Y	123.5	0.00	1.45	0.00	0	0	0	100	0.00	0.0	4.720	0.005	0	0	0	0
PL.64634	PD.9552-B	B	#4 ACSR	7.41Y	123.5	0.00	1.45	0.00	0	0	0	100	0.00	0.0	5.685	0.965	0	0	0	0
PD.9551-B	PL.64634	B	Open	7.41Y	123.5	0.00	1.45	0.00	0	0	0	100	0.00	0.0	5.685	0.965	0	0	0	0
PL.52925	PL.52924	B	#4 ACSR	7.42Y	123.6	0.00	1.42	2.25	2	16	5	95	0.00	0.0	4.348	0.029	13	4	3	4
PL.52926	PL.52925	B	#4 ACSR	7.42Y	123.6	0.00	1.42	0.48	0	3	1	95	0.00	0.0	4.412	0.064	3	1	1	1
PL.43767	PL.52922	B	6 A (CWC)	7.42Y	123.7	0.00	1.35	0.41	0	3	1	95	0.00	0.0	4.119	0.006	0	0	0	1
PD.6512	PL.43767	B	40QA	7.42Y	123.7	0.00	1.35	0.41	1	3	1	95	0.00	0.0	4.119	0.006	0	0	0	1
PL.52930	PD.6512	B	6 A (CWC)	7.42Y	123.7	0.00	1.35	0.41	0	3	1	95	0.00	0.0	4.152	0.032	3	1	1	1
PL.52751	PL.52923	B	#2 ACSR	7.42Y	123.7	0.01	1.35	35.69	20	256	67	97	0.01	0.0	4.012	0.006	0	0	0	22
PD.8058	PL.52751	B	60QA	7.42Y	123.7	0.00	1.35	35.69	59	256	67	97	0.00	0.0	4.012	0.006	0	0	0	22
PL.52752	PD.8058	B	#2 ACSR	7.42Y	123.6	0.02	1.37	35.69	20	256	67	97	0.03	0.0	4.028	0.017	0	0	0	22
PL.52754	PL.52752	B	1/0 AL URD	7.42Y	123.6	0.04	1.41	35.70	21	256	67	97	0.08	0.0	4.062	0.034	0	0	0	22
PL.53118	PL.52754	B	1/0 AL URD	7.42Y	123.6	0.01	1.41	16.74	10	120	31	97	0.01	0.0	4.078	0.016	0	0	0	10
PL.53117	PL.53118	B	1/0 AL URD	7.41Y	123.5	0.06	1.47	16.74	10	120	31	97	0.05	0.0	4.187	0.108	0	0	0	10
PL.53116	PL.53117	B	1/0 AL URD	7.41Y	123.5	0.02	1.49	16.75	10	120	32	97	0.01	0.0	4.218	0.031	16	5	2	10
PL.53115	PL.53116	B	1/0 AL URD	7.41Y	123.5	0.02	1.51	14.52	9	104	27	97	0.02	0.0	4.267	0.049	0	0	0	8
PL.53123	PL.53115	B	1/0 AL URD	7.41Y	123.5	0.02	1.53	14.53	9	104	27	97	0.01	0.0	4.309	0.042	16	5	1	8

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

Balanced Voltage Drop Report
Source: West London 2

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.53124	PL.53123	B	1/0 AL URD	7.41Y	123.5	0.01	1.53	6.64	4	47	13	96	0.00	0.0	4.342	0.032	0	0	0	4
PD.7985	PL.53124	B	30QA	7.41Y	123.5	0.00	1.53	6.64	22	47	13	96	0.00	0.0	4.342	0.032	0	0	0	4
PL.53121	PD.7985	B	1/0 AL URD	7.41Y	123.5	0.00	1.53	6.64	4	47	13	96	0.00	0.0	4.345	0.003	0	0	0	4
PL.53120	PL.53121	B	#4 ACSR	7.41Y	123.4	0.02	1.55	4.60	4	33	9	96	0.00	0.0	4.434	0.089	0	0	0	2
PL.52929	PL.53120	B	1/0 AL URD	7.41Y	123.4	0.01	1.56	2.38	1	17	4	97	0.00	0.0	4.612	0.178	17	5	1	1
PL.52750	PL.53120	B	6 A (CWC)	7.41Y	123.4	0.01	1.56	2.22	2	16	5	95	0.00	0.0	4.551	0.117	16	5	1	1
PL.53119	PL.53121	B	#2 ACSR	7.41Y	123.5	0.00	1.54	2.04	1	15	4	97	0.00	0.0	4.376	0.030	15	4	2	2
PL.53122	PL.53123	B	1/0 AL URD	7.41Y	123.5	0.02	1.55	5.65	3	41	10	97	0.00	0.0	4.459	0.150	25	8	2	3
PL.52861	PL.53122	B	1/0 AL URD	7.41Y	123.5	0.00	1.55	2.11	1	15	3	98	0.00	0.0	4.493	0.033	0	0	0	1
PL.52860	PL.52861	B	1/0 AL URD	7.41Y	123.5	0.00	1.55	2.11	1	15	3	98	0.00	0.0	4.520	0.027	15	5	1	1
PL.52859	PL.52860	B	1/0 AL URD	7.41Y	123.5	-0.00	1.55	-0.23	0	0	-2	0	0.00	0.0	4.558	0.039	0	0	0	0
PL.52858	PL.52859	B	1/0 AL URD	7.41Y	123.5	-0.00	1.55	-0.21	0	0	-2	0	0.00	0.0	4.611	0.053	0	0	0	0
PL.52857	PL.52858	B	1/0 AL URD	7.41Y	123.5	-0.00	1.55	-0.18	0	0	-1	0	0.00	0.0	4.673	0.062	0	0	0	0
PL.52771	PL.52857	B	1/0 AL URD	7.41Y	123.5	-0.00	1.55	-0.15	0	0	-1	0	0.00	0.0	4.721	0.047	0	0	0	0
PL.52770	PL.52771	B	1/0 AL URD	7.41Y	123.5	-0.00	1.55	-0.12	0	0	-1	0	0.00	0.0	4.758	0.037	0	0	0	0
PL.52769	PL.52770	B	1/0 AL URD	7.41Y	123.5	-0.00	1.55	-0.10	0	0	-1	0	0.00	0.0	4.813	0.055	0	0	0	0
PL.52854	PL.52769	B	1/0 AL URD	7.41Y	123.5	-0.00	1.55	-0.07	0	0	-1	0	0.00	0.0	4.849	0.036	0	0	0	0
PL.52856	PL.52854	B	1/0 AL URD	7.41Y	123.5	-0.00	1.55	-0.05	0	0	0	100	0.00	0.0	4.944	0.095	0	0	0	0
PL.52755	PL.52754	B	1/0 AL URD	7.42Y	123.6	0.00	1.41	-0.00	0	0	0	100	0.00	0.0	4.070	0.008	0	0	0	0
PL.52756	PL.52754	B	1/0 AL URD	7.41Y	123.5	0.07	1.48	18.97	11	136	36	97	0.07	0.1	4.184	0.121	11	3	1	12
PL.52757	PL.52756	B	1/0 AL URD	7.41Y	123.5	0.04	1.52	17.37	10	124	33	97	0.04	0.0	4.263	0.079	9	3	2	11
PL.52758	PL.52757	B	1/0 AL URD	7.41Y	123.5	0.03	1.55	16.05	9	115	31	97	0.03	0.0	4.332	0.068	22	7	2	9
PL.52759	PL.52758	B	1/0 AL URD	7.41Y	123.4	0.02	1.56	12.90	8	92	25	97	0.01	0.0	4.372	0.040	0	0	0	7
PL.52760	PL.52759	B	1/0 AL URD	7.40Y	123.4	0.02	1.59	12.91	8	92	25	97	0.02	0.0	4.430	0.058	0	0	0	7
PL.52761	PL.52760	B	1/0 AL URD	7.40Y	123.4	0.05	1.64	12.92	8	92	25	97	0.03	0.0	4.559	0.129	13	4	1	7
PL.52762	PL.52761	B	1/0 AL URD	7.40Y	123.3	0.02	1.65	11.11	7	79	22	96	0.01	0.0	4.608	0.048	12	4	1	6
PL.52763	PL.52762	B	1/0 AL URD	7.40Y	123.3	0.01	1.67	9.40	6	67	18	97	0.01	0.0	4.651	0.043	0	0	0	5
PL.52764	PL.52763	B	1/0 AL URD	7.40Y	123.3	0.03	1.69	9.41	6	67	18	97	0.02	0.0	4.752	0.101	0	0	0	5
PL.52765	PL.52764	B	1/0 AL URD	7.40Y	123.3	0.01	1.70	9.42	6	67	19	96	0.00	0.0	4.777	0.025	15	4	1	5
PL.52766	PL.52765	B	1/0 AL URD	7.40Y	123.3	0.01	1.71	7.28	4	52	14	97	0.00	0.0	4.822	0.046	0	0	0	4
PL.52767	PL.52766	B	1/0 AL URD	7.40Y	123.3	0.01	1.72	7.29	4	52	15	96	0.00	0.0	4.869	0.047	28	8	2	4

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

Balanced Voltage Drop Report
Source: West London 2

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.52768	PL.52767	B	1/0 AL URD	7.40Y	123.3	0.00	1.72	3.40	2	24	7	96	0.00	0.0	4.924	0.055	13	4	1	2
PL.52853	PL.52768	B	1/0 AL URD	7.40Y	123.3	0.00	1.73	1.61	1	11	3	96	0.00	0.0	5.014	0.090	11	3	1	1
PL.52855	PL.52853	B	1/0 AL URD	7.40Y	123.3	0.00	1.73	-0.00	0	0	0	100	0.00	0.0	5.020	0.006	0	0	0	0
PL.52753	PL.52752	B	1/0 AL URD	7.42Y	123.6	0.00	1.37	-0.02	0	0	0	100	0.00	0.0	4.058	0.029	0	0	0	0
PL.56356	PL.56355	B	#4 ACSR	7.42Y	123.7	0.00	1.30	1.28	1	9	3	95	0.00	0.0	3.844	0.006	0	0	0	1
PD.6674	PL.56356	B	40QA	7.42Y	123.7	0.00	1.30	1.28	3	9	3	95	0.00	0.0	3.844	0.006	0	0	0	1
PL.52931	PD.6674	B	#4 ACSR	7.42Y	123.7	0.00	1.30	1.28	1	9	3	95	0.00	0.0	3.905	0.060	9	3	1	1
PL.56353	PL.56354	B	6 A (CWC)	7.43Y	123.8	0.01	1.25	1.97	1	14	4	96	0.00	0.0	3.741	0.112	5	1	1	2
PL.63275	PL.56353	B	1/0 AL URD	7.43Y	123.8	0.00	1.25	1.31	1	9	3	95	0.00	0.0	3.777	0.036	9	3	1	1
PL.52932	PL.52937	C	#2 ACSR	7.43Y	123.8	0.00	1.21	3.31	2	24	6	97	0.00	0.0	3.533	0.006	0	0	0	2
PD.6737	PL.52932	C	40QA	7.43Y	123.8	0.00	1.21	3.31	8	24	6	97	0.00	0.0	3.533	0.006	0	0	0	2
PL.52933	PD.6737	C	#2 ACSR	7.43Y	123.8	0.01	1.22	3.31	2	24	6	97	0.00	0.0	3.629	0.097	1	0	1	2
PL.52934	PL.52933	C	1/0 AL URD	7.43Y	123.8	0.01	1.23	3.13	2	23	6	97	0.00	0.0	3.907	0.278	23	7	1	1
PL.58178	PL.52832	A	6 A (CWC)	7.44Y	124.0	0.00	1.00	0.43	0	3	1	95	0.00	0.0	3.143	0.003	0	0	0	1
PD.8602	PL.58178	A	40QA	7.44Y	124.0	0.00	1.00	0.43	1	3	1	95	0.00	0.0	3.143	0.003	0	0	0	1
PL.58179	PD.8602	A	6 A (CWC)	7.44Y	124.0	0.00	1.01	0.43	0	3	1	95	0.00	0.0	3.176	0.033	3	1	1	1
PL.60993	PL.52831	A	6 A (CWC)	7.44Y	124.0	0.00	0.98	12.79	9	91	27	96	0.00	0.0	3.099	0.003	0	0	0	12
PD.9083	PL.60993	A	30T	7.44Y	124.0	0.00	0.98	12.79	0	91	27	96	0.00	0.0	3.099	0.003	0	0	0	12
PL.60995	PD.9083	A	6 A (CWC)	7.44Y	124.0	0.03	1.00	12.79	9	91	27	96	0.02	0.0	3.150	0.051	7	2	1	12
PL.60996	PL.60995	A	6 A (CWC)	7.44Y	124.0	0.02	1.02	11.85	8	85	25	96	0.01	0.0	3.187	0.037	0	0	0	11
PL.60994	PL.60996	A	6 A (CWC)	7.44Y	124.0	0.01	1.04	11.85	8	85	25	96	0.01	0.0	3.215	0.028	6	2	1	11
PL.63273	PL.60994	A	6 A (CWC)	7.44Y	123.9	0.01	1.05	10.24	7	73	22	96	0.01	0.0	3.242	0.027	5	2	1	9
PL.63274	PL.63273	A	6 A (CWC)	7.43Y	123.9	0.04	1.10	9.49	7	68	20	96	0.02	0.0	3.344	0.102	0	0	0	8
PL.63266	PL.63274	A	6 A (CWC)	7.43Y	123.9	0.01	1.11	3.52	3	25	7	96	0.00	0.0	3.404	0.061	0	0	0	4
PL.54321	PL.63266	A	6 A (CWC)	7.43Y	123.9	0.01	1.12	3.52	3	25	7	96	0.00	0.0	3.496	0.092	7	2	1	4
PL.54320	PL.54321	A	6 A (CWC)	7.43Y	123.9	0.00	1.12	0.53	0	4	1	97	0.00	0.0	3.536	0.040	4	1	2	2
PL.54319	PL.54321	A	#2 ACSR	7.43Y	123.9	0.00	1.12	2.01	1	14	4	96	0.00	0.0	3.590	0.093	14	4	1	1
PL.63267	PL.63274	A	6 A (CWC)	7.43Y	123.9	0.00	1.10	1.66	1	12	3	97	0.00	0.0	3.409	0.065	6	2	1	2
PL.63268	PL.63267	A	6 A (CWC)	7.43Y	123.9	0.00	1.10	0.77	1	6	2	95	0.00	0.0	3.439	0.030	6	2	1	1
PL.66191	PL.63274	A	#4 ACSR	7.43Y	123.9	0.01	1.11	4.31	3	31	9	96	0.00	0.0	3.402	0.058	14	4	1	2
PL.66192	PL.66191	A	#4 ACSR	7.43Y	123.9	0.00	1.11	2.38	2	17	5	96	0.00	0.0	3.402	0.000	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: West London 2

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.66190	PL.66192	A	#4 ACSR	7.43Y	123.9	0.00	1.11	2.38	2	17	5	96	0.00	0.0	3.427	0.025	17	5	1	1
PL.52833	PL.60994	A	#2 ACSR	7.44Y	124.0	0.00	1.04	0.79	0	6	2	95	0.00	0.0	3.247	0.032	6	2	1	1
PL.43765	PL.43764	C	6 A (CWC)	7.44Y	124.1	0.00	0.93	3.63	3	26	8	96	0.00	0.0	3.046	0.006	0	0	0	2
PD.6782	PL.43765	C	40QA	7.44Y	124.1	0.00	0.93	3.63	9	26	8	96	0.00	0.0	3.046	0.006	0	0	0	2
PL.52830	PD.6782	C	6 A (CWC)	7.44Y	124.1	0.01	0.94	3.63	3	26	8	96	0.00	0.0	3.109	0.063	26	8	2	2
PL.43186	PL.60988	A	#4 ACSR	7.46Y	124.3	0.00	0.71	5.76	4	41	12	96	0.00	0.0	2.760	0.006	0	0	0	6
PD.6496	PL.43186	A	40QA	7.46Y	124.3	0.00	0.71	5.76	14	41	12	96	0.00	0.0	2.760	0.006	0	0	0	6
PL.54104	PD.6496	A	#4 ACSR	7.46Y	124.3	0.01	0.72	5.76	4	41	12	96	0.00	0.0	2.816	0.056	1	0	2	6
PL.54103	PL.54104	A	6 A (CWC)	7.46Y	124.3	0.01	0.73	3.35	2	24	7	96	0.00	0.0	2.908	0.092	24	7	1	1
PL.54105	PL.54104	A	#4 ACSR	7.46Y	124.3	0.01	0.73	2.26	2	16	5	95	0.00	0.0	2.898	0.082	0	0	0	3
PL.64447	PL.54105	A	#4 ACSR	7.46Y	124.3	0.01	0.74	2.00	2	14	4	96	0.00	0.0	2.968	0.071	0	0	0	2
PL.64448	PL.64447	A	#4 ACSR	7.46Y	124.3	0.00	0.74	2.00	2	14	4	96	0.00	0.0	2.968	0.000	14	4	2	2
PL.54303	PL.54105	A	#4 ACSR	7.46Y	124.3	0.00	0.73	0.26	0	2	1	89	0.00	0.0	3.016	0.118	2	1	1	1
PL.60989	PL.60761	C	#4 ACSR	7.46Y	124.4	0.00	0.63	7.77	6	56	16	96	0.00	0.0	2.657	0.006	0	0	0	6
PD.6781	PL.60989	C	40QA	7.46Y	124.4	0.00	0.63	7.77	19	56	16	96	0.00	0.0	2.657	0.006	0	0	0	6
PL.43180	PD.6781	C	#4 ACSR	7.46Y	124.4	0.00	0.63	7.77	6	56	16	96	0.00	0.0	2.667	0.010	11	3	1	6
PL.43184	PL.43180	C	#4 ACSR	7.46Y	124.4	0.01	0.64	6.18	5	44	13	96	0.00	0.0	2.717	0.050	12	3	1	5
PL.43185	PL.43184	C	#4 ACSR	7.46Y	124.3	0.01	0.65	4.56	4	33	10	96	0.00	0.0	2.772	0.056	9	3	1	4
PL.43181	PL.43185	C	#4 ACSR	7.46Y	124.3	0.01	0.66	3.30	3	24	7	96	0.00	0.0	2.832	0.060	9	3	1	3
PL.43182	PL.43181	C	#4 ACSR	7.46Y	124.3	0.00	0.66	2.04	2	15	4	97	0.00	0.0	2.893	0.061	6	2	1	2
PL.43183	PL.43182	C	#4 ACSR	7.46Y	124.3	0.00	0.66	1.18	1	8	3	94	0.00	0.0	2.949	0.056	8	3	1	1
PL.64839	PL.64837	C	#1/0 ACSR	7.47Y	124.5	0.00	0.50	0.00	0	0	0	100	0.00	0.0	2.512	0.002	0	0	0	0
PD.9564	PL.64839	C	20T	7.47Y	124.5	0.00	0.50	0.00	0	0	0	100	0.00	0.0	2.512	0.002	0	0	0	0
PL.64840	PD.9564	C	#1/0 ACSR	7.47Y	124.5	0.00	0.50	0.00	0	0	0	100	0.00	0.0	2.536	0.024	0	0	0	0
PL.63260	PL.64837	C	#1/0 ACSR	7.47Y	124.5	0.00	0.50	1.00	0	7	2	96	0.00	0.0	2.550	0.040	7	2	2	2
PL.43036	PL.43035	C	6 A (CWC)	7.48Y	124.7	0.00	0.33	4.61	3	33	10	96	0.00	0.0	2.285	0.006	0	0	0	4
PD.6780	PL.43036	C	75QA	7.48Y	124.7	0.00	0.33	4.61	6	33	10	96	0.00	0.0	2.285	0.006	0	0	0	4
PL.43037	PD.6780	C	6 A (CWC)	7.48Y	124.7	0.01	0.33	4.61	3	33	10	96	0.00	0.0	2.333	0.048	9	3	1	4
PL.54089	PL.43037	C	6 A (CWC)	7.48Y	124.6	0.02	0.35	3.37	2	24	7	96	0.00	0.0	2.448	0.115	0	0	0	3
PL.54090	PL.54089	C	1/0 AL URD	7.48Y	124.6	0.00	0.35	2.10	1	15	4	97	0.00	0.0	2.469	0.021	15	4	1	1
PL.54088	PL.54089	C	6 A (CWC)	7.48Y	124.6	0.00	0.35	1.28	1	9	3	95	0.00	0.0	2.448	0.000	9	3	2	2

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

Balanced Voltage Drop Report
Source: West London 2

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.54109	PL.54390	C	#4 ACSR	7.25Y	120.9	0.00	4.14	2.04	2	14	4	96	0.00	0.0	2.170	0.006	0	0	0	2
PD.8123	PL.54109	C	75QA	7.25Y	120.9	0.00	4.14	2.04	3	14	4	96	0.00	0.0	2.170	0.006	0	0	0	2
PL.54110	PD.8123	C	#4 ACSR	7.25Y	120.9	0.00	4.15	2.04	2	14	4	96	0.00	0.0	2.196	0.027	0	0	0	2
PL.54112	PL.54110	C	#1/0 ACSR	7.25Y	120.9	0.00	4.15	1.09	0	8	2	97	0.00	0.0	2.230	0.034	8	2	1	1
PL.54111	PL.54110	C	#4 ACSR	7.25Y	120.9	0.00	4.15	0.94	1	7	2	96	0.00	0.0	2.226	0.029	7	2	1	1
PL.64396	PL.54390	C	#1/0 ACSR	7.25Y	120.9	0.00	4.14	2.07	1	14	4	96	0.00	0.0	2.168	0.003	0	0	0	1
PD.9535	PL.64396	C	20T	7.25Y	120.9	0.00	4.14	2.07	0	14	4	96	0.00	0.0	2.168	0.003	0	0	0	1
PL.64397	PD.9535	C	#1/0 ACSR	7.25Y	120.9	0.00	4.14	2.07	1	14	4	96	0.00	0.0	2.190	0.022	14	4	1	1
PL.54389	PL.54387	B	#4 ACSR	7.26Y	120.9	0.00	4.07	1.00	1	7	2	96	0.00	0.0	2.072	0.006	0	0	0	3
PD.6494	PL.54389	B	75QA	7.26Y	120.9	0.00	4.07	1.00	1	7	2	96	0.00	0.0	2.072	0.006	0	0	0	3
PL.54391	PD.6494	B	#4 ACSR	7.26Y	120.9	0.00	4.07	1.00	1	7	2	96	0.00	0.0	2.090	0.018	5	1	1	3
PL.54392	PL.54391	B	#4 ACSR	7.26Y	120.9	0.00	4.08	0.30	0	2	1	89	0.00	0.0	2.142	0.052	0	0	1	2
PL.54393	PL.54392	B	#4 ACSR	7.26Y	120.9	0.00	4.08	0.30	0	2	1	89	0.00	0.0	2.161	0.019	2	1	1	1
PL.43714	PL.43712	C	6 A (CWC)	7.27Y	121.2	0.00	3.82	1.06	1	7	2	96	0.00	0.0	1.834	0.006	0	0	0	1
PD.6441	PL.43714	C	75QA	7.27Y	121.2	0.00	3.82	1.06	1	7	2	96	0.00	0.0	1.834	0.006	0	0	0	1
PL.43715	PD.6441	C	6 A (CWC)	7.27Y	121.2	0.00	3.83	1.06	1	7	2	96	0.00	0.0	1.910	0.076	7	2	1	1
PL.43716	PL.43712	B	6 A (CWC)	7.27Y	121.2	0.00	3.82	0.45	0	3	1	95	0.00	0.0	1.834	0.006	0	0	0	2
PD.6442	PL.43716	B	75QA	7.27Y	121.2	0.00	3.82	0.45	1	3	1	95	0.00	0.0	1.834	0.006	0	0	0	2
PL.43717	PD.6442	B	6 A (CWC)	7.27Y	121.2	0.00	3.82	0.45	0	3	1	95	0.00	0.0	1.862	0.028	2	1	1	2
PL.43718	PL.43717	B	6 A (CWC)	7.27Y	121.2	0.00	3.82	0.12	0	1	0	100	0.00	0.0	1.927	0.066	1	0	1	1
PL.41040	PL.41295	ABC	#1/0 ACSR	7.28Y	121.3	0.02	3.67	13.56	6	284	84	96	0.03	0.0	1.787	0.063	0	0	0	38
PL.43651	PL.41040	ABC	#1/0 ACSR	7.28Y	121.3	0.00	3.67	13.56	6	284	84	96	0.00	0.0	1.792	0.006	0	0	0	38
PD.6797	PL.43651	ABC	70L	7.28Y	121.3	0.00	3.67	13.56	19	284	84	96	0.00	0.0	1.792	0.006	0	0	0	38
PL.43652	PD.6797	ABC	#1/0 ACSR	7.28Y	121.3	0.03	3.70	13.56	6	284	84	96	0.06	0.0	1.907	0.115	0	0	0	38
PL.54091	PL.43652	ABC	#1/0 ACSR	7.28Y	121.3	0.02	3.72	13.56	6	284	84	96	0.04	0.0	1.989	0.082	3	1	1	38
PL.63256	PL.54091	ABC	#1/0 ACSR	7.28Y	121.3	0.03	3.75	13.40	6	281	83	96	0.05	0.0	2.101	0.112	0	0	0	37
PL.63257	PL.63256	ABC	#1/0 ACSR	7.27Y	121.2	0.02	3.77	13.08	6	274	81	96	0.04	0.0	2.194	0.093	0	0	0	36
PL.57360	PL.63257	C	6 A (CWC)	7.27Y	121.2	0.00	3.77	18.04	13	126	37	96	0.00	0.0	2.195	0.001	0	0	0	17
PD.8351	PL.57360	C	75QA	7.27Y	121.2	0.00	3.77	18.04	24	126	37	96	0.00	0.0	2.195	0.001	0	0	0	17
PL.57362	PD.8351	C	6 A (CWC)	7.27Y	121.2	0.05	3.82	15.19	11	106	31	96	0.04	0.0	2.273	0.079	18	5	2	15
PL.57363	PL.57362	C	6 A (CWC)	7.27Y	121.1	0.05	3.86	12.68	9	88	26	96	0.03	0.0	2.355	0.082	9	3	1	13

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

Balanced Voltage Drop Report
Source: West London 2

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.43703	PL.57363	C	6 A (CWC)	7.27Y	121.1	0.02	3.89	11.36	8	79	23	96	0.01	0.0	2.400	0.044	13	4	2	12
PL.63276	PL.43703	C	6 A (CWC)	7.27Y	121.1	0.03	3.92	9.48	7	66	20	96	0.01	0.0	2.467	0.068	0	0	0	10
PL.63279	PL.63276	C	6 A (CWC)	7.27Y	121.1	0.00	3.92	9.48	7	66	20	96	0.00	0.0	2.468	0.001	0	0	0	10
PL.63280	PL.63279	C	#1/0 ACSR	7.26Y	121.1	0.00	3.92	6.70	3	47	14	96	0.00	0.0	2.492	0.024	13	4	1	8
PL.63281	PL.63280	C	#1/0 ACSR	7.26Y	121.1	0.00	3.92	4.88	2	34	10	96	0.00	0.0	2.539	0.047	16	5	2	7
PL.63278	PL.63281	C	6 A (CWC)	7.26Y	121.1	0.00	3.93	2.54	2	18	5	96	0.00	0.0	2.574	0.036	4	1	2	5
PL.43705	PL.63278	C	6 A (CWC)	7.26Y	121.1	0.00	3.93	2.03	1	14	4	96	0.00	0.0	2.604	0.030	8	2	2	3
PL.43711	PL.43705	C	6 A (CWC)	7.26Y	121.1	0.00	3.93	0.88	1	6	2	95	0.00	0.0	2.722	0.118	6	2	1	1
PL.63277	PL.63279	C	6 A (CWC)	7.26Y	121.1	0.00	3.92	2.78	2	19	6	95	0.00	0.0	2.482	0.014	13	4	1	2
PL.43704	PL.63277	C	6 A (CWC)	7.26Y	121.1	0.00	3.92	0.90	1	6	2	95	0.00	0.0	2.518	0.036	6	2	1	1
PL.57361	PD.8351	C	6 A (CWC)	7.27Y	121.2	0.00	3.77	2.85	2	20	6	96	0.00	0.0	2.233	0.038	20	6	2	2
PL.57358	PL.63257	B	6 A (CWC)	7.27Y	121.2	0.00	3.77	16.75	12	117	35	96	0.00	0.0	2.199	0.005	0	0	0	16
PD.8350	PL.57358	B	50QA	7.27Y	121.2	0.00	3.77	16.75	33	117	35	96	0.00	0.0	2.199	0.005	0	0	0	16
PL.57359	PD.8350	B	6 A (CWC)	7.27Y	121.1	0.08	3.85	16.75	12	117	35	96	0.07	0.1	2.302	0.103	6	2	1	16
PL.41722	PL.57359	B	6 A (CWC)	7.27Y	121.1	0.05	3.90	13.92	10	97	29	96	0.03	0.0	2.381	0.079	14	4	1	13
PL.41754	PL.41722	B	#4 ACSR	7.27Y	121.1	0.01	3.90	1.55	1	11	3	96	0.00	0.0	2.556	0.175	11	3	1	1
PL.41454	PL.41722	B	#4 ACSR	7.27Y	121.1	0.00	3.90	0.00	0	0	0	100	0.00	0.0	2.434	0.053	0	0	1	1
PL.41723	PL.41722	B	6 A (CWC)	7.26Y	121.1	0.04	3.93	10.41	7	73	21	96	0.02	0.0	2.457	0.076	5	1	1	10
PL.41019	PL.41723	B	6 A (CWC)	7.26Y	121.0	0.02	3.95	8.46	6	59	17	96	0.01	0.0	2.515	0.058	1	0	1	8
PL.43708	PL.41019	B	6 A (CWC)	7.26Y	121.0	0.01	3.96	3.91	3	27	8	96	0.00	0.0	2.581	0.066	9	3	1	4
PL.43709	PL.43708	B	6 A (CWC)	7.26Y	121.0	0.00	3.97	2.62	2	18	5	96	0.00	0.0	2.614	0.033	0	0	0	3
PL.43710	PL.43709	B	6 A (CWC)	7.26Y	121.0	0.00	3.97	1.56	1	11	3	96	0.00	0.0	2.712	0.098	11	3	2	2
PL.41376	PL.43709	B	#2 ACSR	7.26Y	121.0	0.00	3.97	1.07	1	7	2	96	0.00	0.0	2.650	0.036	7	2	1	1
PL.43706	PL.41019	B	#4 ACSR	7.26Y	121.0	0.00	3.96	4.34	3	30	9	96	0.00	0.0	2.541	0.026	14	4	1	3
PL.43707	PL.43706	B	#4 ACSR	7.26Y	121.0	0.00	3.96	2.29	2	16	5	95	0.00	0.0	2.586	0.045	16	5	2	2
PL.41398	PL.41723	B	#4 ACSR	7.26Y	121.1	0.00	3.93	1.23	1	9	3	95	0.00	0.0	2.496	0.039	9	3	1	1
PL.41399	PL.41398	B	#4 ACSR	7.26Y	121.1	0.00	3.93	0.00	0	0	0	100	0.00	0.0	2.538	0.043	0	0	0	0
PL.41018	PL.41399	B	#4 ACSR	7.26Y	121.1	0.00	3.93	0.00	0	0	0	100	0.00	0.0	2.688	0.149	0	0	0	0
PL.41720	PL.57359	B	#4 ACSR	7.27Y	121.1	0.00	3.85	1.97	2	14	4	96	0.00	0.0	2.308	0.006	0	0	0	2
PD.6503	PL.41720	B	75QA	7.27Y	121.1	0.00	3.85	1.97	3	14	4	96	0.00	0.0	2.308	0.006	0	0	0	2
PL.41721	PD.6503	B	#4 ACSR	7.27Y	121.1	0.00	3.85	1.97	2	14	4	96	0.00	0.0	2.367	0.059	14	4	2	2

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

Balanced Voltage Drop Report
Source: West London 2

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.43653	PL.63257	A	6 A (CWC)	7.27Y	121.2	0.00	3.77	4.46	3	31	9	96	0.00	0.0	2.199	0.006	0	0	0	3
PD.6743	PL.43653	A	75QA	7.27Y	121.2	0.00	3.77	4.46	6	31	9	96	0.00	0.0	2.199	0.006	0	0	0	3
PL.43699	PD.6743	A	6 A (CWC)	7.27Y	121.2	0.01	3.78	4.46	3	31	9	96	0.00	0.0	2.282	0.083	8	3	1	3
PL.43700	PL.43699	A	6 A (CWC)	7.27Y	121.2	0.01	3.79	3.24	2	23	7	96	0.00	0.0	2.339	0.057	0	0	0	2
PL.43701	PL.43700	A	6 A (CWC)	7.27Y	121.2	0.03	3.82	3.24	2	23	7	96	0.00	0.0	2.563	0.224	11	3	1	2
PL.43702	PL.43701	A	6 A (CWC)	7.27Y	121.2	0.00	3.82	1.67	1	12	3	97	0.00	0.0	2.625	0.062	12	3	1	1
PL.63258	PL.63256	C	#1/0 ACSR	7.28Y	121.3	0.00	3.75	0.96	0	7	2	96	0.00	0.0	2.104	0.003	0	0	0	1
PD.9459	PL.63258	C	25T	7.28Y	121.3	0.00	3.75	0.96	0	7	2	96	0.00	0.0	2.104	0.003	0	0	0	1
PL.63259	PD.9459	C	#1/0 ACSR	7.28Y	121.3	0.00	3.75	0.96	0	7	2	96	0.00	0.0	2.166	0.062	7	2	1	1
CP.95	PL.52794	ABC	Cap (300)	7.30Y	121.6	0.00	3.37	0.00	0	0	0	100	0.00	0.0	1.568	0.062	0	0	0	0
PL.41567	PL.42248	A	#4 ACSR	7.34Y	122.4	0.02	2.65	50.99	39	360	102	96	0.06	0.0	1.207	0.010	0	0	0	29
PL.41795	PL.41567	A	1/0 AL URD	7.34Y	122.3	0.01	2.66	50.99	30	360	102	96	0.03	0.0	1.213	0.006	0	0	0	29
PD.6558	PL.41795	A	75QA	7.34Y	122.3	0.00	2.66	50.99	68	360	102	96	0.00	0.0	1.213	0.006	0	0	0	29
PL.41796	PD.6558	A	1/0 AL URD	7.34Y	122.3	0.04	2.69	50.99	30	360	102	96	0.10	0.0	1.235	0.022	18	5	2	29
PL.41797	PL.41796	A	1/0 AL URD	7.33Y	122.2	0.07	2.76	48.45	28	342	97	96	0.19	0.1	1.284	0.049	29	9	2	27
PL.42257	PL.41797	A	1/0 AL URD	7.33Y	122.1	0.09	2.85	44.31	26	313	89	96	0.22	0.1	1.353	0.068	30	9	2	25
PL.43647	PL.42257	A	1/0 AL URD	7.32Y	122.1	0.06	2.92	40.09	24	283	80	96	0.14	0.1	1.404	0.052	9	3	1	23
PL.43648	PL.43647	A	1/0 AL URD	7.32Y	122.0	0.08	2.99	38.86	23	274	77	96	0.17	0.1	1.468	0.064	6	2	1	22
PL.42258	PL.43648	A	1/0 AL URD	7.32Y	121.9	0.06	3.06	38.06	22	268	76	96	0.13	0.0	1.523	0.055	23	7	2	21
PL.43440	PL.42258	A	1/0 AL URD	7.31Y	121.9	0.08	3.14	34.76	20	245	69	96	0.16	0.1	1.602	0.079	14	4	1	19
PL.43441	PL.43440	A	1/0 AL URD	7.31Y	121.8	0.05	3.19	32.82	19	231	66	96	0.09	0.0	1.655	0.053	39	12	3	18
PL.43442	PL.43441	A	1/0 AL URD	7.31Y	121.8	0.04	3.24	27.27	16	192	54	96	0.07	0.0	1.710	0.055	17	5	1	15
PL.43629	PL.43442	A	1/0 AL URD	7.30Y	121.7	0.04	3.28	24.87	15	175	49	96	0.06	0.0	1.770	0.060	19	6	2	14
PL.43443	PL.43629	A	1/0 AL URD	7.30Y	121.7	0.04	3.32	22.18	13	156	44	96	0.05	0.0	1.832	0.062	21	6	2	12
PL.43444	PL.43443	A	1/0 AL URD	7.30Y	121.6	0.03	3.36	19.20	11	135	38	96	0.03	0.0	1.898	0.066	35	10	2	10
PL.43445	PL.43444	A	1/0 AL URD	7.30Y	121.6	0.04	3.40	14.17	8	100	28	96	0.03	0.0	1.997	0.100	16	5	2	8
PL.43447	PL.43445	A	1/0 AL URD	7.29Y	121.6	0.02	3.42	11.94	7	84	24	96	0.01	0.0	2.088	0.091	55	16	3	6
PL.43448	PL.43447	A	1/0 AL URD	7.29Y	121.6	0.00	3.42	4.13	2	29	8	96	0.00	0.0	2.128	0.039	6	2	1	3
PL.43446	PL.43448	A	1/0 AL URD	7.29Y	121.6	0.01	3.43	3.24	2	23	6	97	0.00	0.0	2.240	0.112	23	7	2	2
PL.43449	PL.43446	A	1/0 AL URD	7.29Y	121.6	-0.00	3.43	-0.05	0	0	0	100	0.00	0.0	2.335	0.095	0	0	0	0
PL.41718	PL.42247	A	#1/0 ACSR	7.35Y	122.5	0.00	2.47	0.58	0	4	1	97	0.00	0.0	1.149	0.016	4	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: West London 2

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PL.42260	PL.42247	ABC	#1/0 ACSR	7.35Y	122.5	0.00	2.47	1.11	0	23	7	96	0.00	0.0	1.139	0.006	0	0	0	4	
PL.42261	PL.42260	ABC	#1/0 ACSR	7.35Y	122.5	0.00	2.47	1.11	0	23	7	96	0.00	0.0	1.161	0.021	23	7	4	4	
PL.50290	PL.41318	ABC	#3/0 ACSR	7.38Y	123.0	0.00	2.00	0.00	0	0	0	100	0.00	0.0	0.951	0.001	0	0	0	0	
PD.5885-B	PL.50290	ABC	Open	7.38Y	123.0	0.00	2.00	0.00	0	0	0	100	0.00	0.0	0.951	0.001	0	0	0	0	
PL.43625	PL.41888	C	1/0 AL URD	7.42Y	123.6	0.00	1.41	-0.07	0	0	-1	0	0.00	0.0	0.725	0.002	0	0	0	0	
PD.6699	PL.43625	C	75QA	7.42Y	123.6	0.00	1.41	-0.07	0	0	-1	0	0.00	0.0	0.725	0.002	0	0	0	0	
PL.43626	PD.6699	C	1/0 AL URD	7.42Y	123.6	-0.00	1.41	-0.07	0	0	-1	0	0.00	0.0	0.852	0.127	0	0	0	0	
PL.43624	PL.41888	C	1/0 AL URD	7.42Y	123.6	0.00	1.41	1.36	1	10	2	98	0.00	0.0	0.725	0.002	0	0	0	1	
PD.6698	PL.43624	C	75QA	7.42Y	123.6	0.00	1.41	1.36	2	10	2	98	0.00	0.0	0.725	0.002	0	0	0	1	
PL.43627	PD.6698	C	1/0 AL URD	7.42Y	123.6	0.00	1.42	1.36	1	10	2	98	0.00	0.0	0.909	0.185	10	3	1	1	
P PL.43628	PL.43627	C	1/0 AL URD	7.42Y	123.6	0.00	1.42	-0.02	0	0	0	100	0.00	0.0	0.941	0.032	0	0	0	0	P
PL.42066	PL.43269	C	1/0 AL URD	7.43Y	123.8	0.00	1.23	0.62	0	4	1	97	0.00	0.0	0.697	0.041	4	1	1	1	
PL.42073	PL.42069	ABC	6 A (CWC)	7.45Y	124.2	0.00	0.82	2.60	2	53	24	91	0.00	0.0	0.508	0.006	0	0	0	2	
PD.6697	PL.42073	ABC	25QA	7.45Y	124.2	0.00	0.82	2.60	10	53	24	91	0.00	0.0	0.508	0.006	0	0	0	2	
PL.66197	PD.6697	ABC	336 MCM AC	7.45Y	124.2	0.00	0.83	2.60	1	53	24	91	0.00	0.0	0.548	0.040	0	0	0	2	
PL.72944	PL.66197	ABC	1/0 AL URD	7.45Y	124.2	0.00	0.83	2.60	2	53	24	91	0.00	0.0	0.555	0.006	53	26	1	2	
PL.66199	PL.72944	ABC	1/0 AL URD	7.45Y	124.2	-0.00	0.83	-0.08	0	0	-2	0	0.00	0.0	0.590	0.035	0	0	0	1	
PL.43266	PL.66199	ABC	1/0 AL URD	7.45Y	124.2	-0.00	0.83	-0.06	0	0	-1	0	0.00	0.0	0.675	0.086	0	0	0	1	
P PL.43267	PL.43266	ABC	1/0 AL URD	7.45Y	124.2	0.00	0.83	-0.01	0	0	0	100	0.00	0.0	0.696	0.021	0	0	0	1	P
PL.41821	PL.43267	ABC	#1/0 ACSR	7.45Y	124.2	0.00	0.83	0.00	0	0	0	100	0.00	0.0	0.772	0.075	0	0	1	1	
PL.66198	PL.66197	ABC	336 MCM AC	7.45Y	124.2	0.00	0.83	0.00	0	0	0	100	0.00	0.0	0.549	0.000	0	0	0	0	
PL.42070	PL.42068	C	6 A (CWC)	7.45Y	124.2	0.00	0.76	0.79	1	6	2	95	0.00	0.0	0.466	0.006	0	0	0	1	
PD.6418	PL.42070	C	75QA	7.45Y	124.2	0.00	0.76	0.79	1	6	2	95	0.00	0.0	0.466	0.006	0	0	0	1	
PL.42071	PD.6418	C	6 A (CWC)	7.45Y	124.2	0.00	0.76	0.79	1	6	2	95	0.00	0.0	0.532	0.066	0	0	0	1	
PL.42072	PL.42071	C	6 A (CWC)	7.45Y	124.2	0.00	0.76	0.79	1	6	2	95	0.00	0.0	0.585	0.053	6	2	1	1	
PL.41636	PL.63310	ABC	#1/0 ACSR	7.49Y	124.8	0.00	0.21	1.00	0	20	10	89	0.00	0.0	0.153	0.029	20	10	1	1	
PL.53076	West London 2	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	166.18	32	3540	1204	95	0.03	0.0	0.001	0.001	0	0	0	370	
PL.53082	PL.53076	ABC	336 MCM AC	7.50Y	125.0	0.00	0.01	166.18	32	3540	1204	95	0.06	0.0	0.004	0.003	0	0	0	370	

---------- Feeder No. 3 (Sublimity F3) Beginning with Device PD.8083 ----------

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: West London 2

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PD.8083	PL.53082	ABC	480VWE	7.50Y	125.0	0.00	0.01	166.18	0	3540	1204	95	0.00	0.0	0.004	0.003	0	0	0	370	
PL.41286	PD.8083	ABC	556 MCM AC	7.49Y	124.9	0.12	0.12	166.18	23	3540	1204	95	0.48	0.0	0.190	0.186	0	0	0	370	
PL.43070	PL.41286	A	1/0 AL URD	7.49Y	124.9	0.00	0.12	28.17	17	203	57	96	0.00	0.0	0.192	0.002	0	0	0	19	
PD.6769	PL.43070	A	75QA	7.49Y	124.9	0.00	0.12	28.17	38	203	57	96	0.00	0.0	0.192	0.002	0	0	0	19	
PL.43071	PD.6769	A	1/0 AL URD	7.49Y	124.9	0.02	0.14	28.17	17	203	57	96	0.03	0.0	0.216	0.024	10	3	1	19	
PL.43072	PL.43071	A	1/0 AL URD	7.49Y	124.8	0.01	0.15	26.79	16	193	54	96	0.01	0.0	0.229	0.012	9	3	1	18	
PL.43073	PL.43072	A	1/0 AL URD	7.49Y	124.8	0.01	0.17	25.48	15	184	51	96	0.02	0.0	0.246	0.018	9	3	1	17	
PL.43468	PL.43073	A	1/0 AL URD	7.49Y	124.8	0.02	0.19	24.24	14	175	49	96	0.03	0.0	0.280	0.033	22	6	2	16	
PL.43469	PL.43468	A	1/0 AL URD	7.49Y	124.8	0.01	0.20	21.23	12	153	43	96	0.01	0.0	0.296	0.016	0	0	0	14	
PL.43470	PL.43469	A	1/0 AL URD	7.49Y	124.8	0.00	0.20	19.06	11	138	38	96	0.00	0.0	0.299	0.003	19	5	1	13	
PL.43471	PL.43470	A	1/0 AL URD	7.49Y	124.8	0.04	0.25	16.47	10	119	33	96	0.04	0.0	0.383	0.084	0	0	0	12	
PL.43472	PL.43471	A	1/0 AL URD	7.48Y	124.7	0.03	0.27	16.23	10	117	33	96	0.02	0.0	0.435	0.052	0	0	0	11	
PL.43482	PL.43472	A	1/0 AL URD	7.48Y	124.7	0.01	0.29	9.22	5	66	19	96	0.01	0.0	0.484	0.049	21	6	2	5	
PL.43483	PL.43482	A	1/0 AL URD	7.48Y	124.7	0.00	0.29	6.26	4	45	13	96	0.00	0.0	0.508	0.024	10	3	1	3	
PL.43484	PL.43483	A	1/0 AL URD	7.48Y	124.7	0.00	0.29	4.83	3	35	10	96	0.00	0.0	0.528	0.020	0	0	0	2	
P PL.43519	PL.43484	A	1/0 AL URD	7.48Y	124.7	0.00	0.29	-0.00	0	0	0	100	0.00	0.0	0.534	0.006	0	0	0	0	P
PL.42241	PL.43484	A	1/0 AL URD	7.48Y	124.7	0.00	0.29	2.92	2	21	6	96	0.00	0.0	0.548	0.019	21	6	1	1	
PL.42243	PL.43484	A	1/0 AL URD	7.48Y	124.7	0.00	0.30	1.92	1	14	4	96	0.00	0.0	0.578	0.049	14	4	1	1	
PL.43473	PL.43472	A	1/0 AL URD	7.48Y	124.7	0.01	0.28	7.02	4	51	14	96	0.00	0.0	0.486	0.051	15	5	1	6	
PL.43474	PL.43473	A	1/0 AL URD	7.48Y	124.7	0.01	0.29	4.87	3	35	9	97	0.00	0.0	0.530	0.044	6	2	1	5	
PL.43475	PL.43474	A	1/0 AL URD	7.48Y	124.7	0.00	0.29	4.06	2	29	8	96	0.00	0.0	0.560	0.030	20	6	2	4	
PL.43476	PL.43475	A	1/0 AL URD	7.48Y	124.7	0.00	0.29	1.34	1	10	2	98	0.00	0.0	0.593	0.034	8	2	1	2	
PL.43477	PL.43476	A	1/0 AL URD	7.48Y	124.7	0.00	0.29	0.28	0	2	0	100	0.00	0.0	0.686	0.093	2	1	1	1	
PL.43478	PL.43477	A	1/0 AL URD	7.48Y	124.7	0.00	0.29	-0.03	0	0	0	100	0.00	0.0	0.733	0.047	0	0	0	0	
PL.42244	PL.43471	A	1/0 AL URD	7.49Y	124.8	0.00	0.25	0.26	0	2	0	100	0.00	0.0	0.413	0.030	2	1	1	1	
PL.42242	PL.43469	A	1/0 AL URD	7.49Y	124.8	0.00	0.20	2.17	1	16	4	97	0.00	0.0	0.335	0.038	16	5	1	1	
PL.41717	PL.41286	ABC	556 MCM AC	7.49Y	124.8	0.05	0.18	156.81	22	3336	1138	95	0.20	0.0	0.280	0.090	0	0	0	351	
PL.64103	PL.41717	ABC	336 MCM AC	7.49Y	124.8	0.04	0.21	143.27	28	3043	1050	95	0.57	0.0	0.313	0.033	32	9	1	323	
PL.64104	PL.64103	ABC	336 MCM AC	7.48Y	124.7	0.05	0.26	141.78	27	3010	1039	95	0.71	0.0	0.355	0.042	0	0	0	322	
PL.64106	PL.64104	ABC	#1/0 ACSR	7.48Y	124.7	0.00	0.26	2.33	1	48	21	92	0.00	0.0	0.361	0.006	0	0	0	1	
PD.6135	PL.64106	ABC	20QA	7.48Y	124.7	0.00	0.26	2.33	12	48	21	92	0.00	0.0	0.361	0.006	0	0	0	1	

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

Balanced Voltage Drop Report
Source: West London 2

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
	PL.42790	PD.6135	ABC	#1/0 ACSR	7.48Y	124.7	0.00	0.26	2.33	1	48	21	92	0.00	0.0	0.375	0.014	0	0	0	1	
	PL.42791	PL.42790	ABC	1/0 AL URD	7.48Y	124.7	0.00	0.26	2.33	1	48	21	92	0.00	0.0	0.442	0.067	0	0	0	1	
	PL.42792	PL.42791	ABC	1/0 AL URD	7.48Y	124.7	0.00	0.27	2.35	1	48	22	91	0.00	0.0	0.511	0.069	48	23	1	1	
P	PL.41579	PL.42791	ABC	1/0 AL URD	7.48Y	124.7	0.00	0.26	-0.01	0	0	0	100	0.00	0.0	0.458	0.016	0	0	0	0	P
P	PL.42245	PL.42791	ABC	1/0 AL URD	7.48Y	124.7	0.00	0.26	-0.00	0	0	0	100	0.00	0.0	0.445	0.003	0	0	0	0	P
	PL.64105	PL.64104	ABC	336 MCM AC	7.48Y	124.7	0.04	0.30	139.46	27	2962	1016	95	0.54	0.0	0.388	0.033	0	0	0	321	
	PL.52280	PL.64105	ABC	336 MCM AC	7.48Y	124.6	0.09	0.39	139.46	27	2961	1015	95	1.32	0.0	0.468	0.080	0	0	0	321	
	PL.52281	PL.52280	ABC	336 MCM AC	7.47Y	124.6	0.04	0.43	139.46	27	2960	1012	95	0.62	0.0	0.507	0.038	1	0	1	321	
	PL.42793	PL.52281	C	#1/0 ACSR	7.47Y	124.6	0.00	0.43	0.70	0	5	1	98	0.00	0.0	0.512	0.006	0	0	0	1	
	PD.6504	PL.42793	C	40QA	7.47Y	124.6	0.00	0.43	0.70	2	5	1	98	0.00	0.0	0.512	0.006	0	0	0	1	
	PL.42794	PD.6504	C	#1/0 ACSR	7.47Y	124.6	0.00	0.43	0.70	0	5	1	98	0.00	0.0	0.552	0.040	5	1	1	1	
	PL.52282	PL.52281	ABC	336 MCM AC	7.47Y	124.5	0.03	0.46	139.19	27	2954	1008	95	0.44	0.0	0.533	0.027	0	0	0	319	
	PL.52284	PL.52282	ABC	336 MCM AC	7.47Y	124.5	0.07	0.52	139.19	27	2953	1007	95	0.98	0.0	0.593	0.060	0	0	0	319	
	PL.52285	PL.52284	ABC	336 MCM AC	7.46Y	124.4	0.06	0.59	122.95	24	2603	903	94	0.79	0.0	0.655	0.062	0	0	0	286	
	PL.52287	PL.52285	A	1/0 AL URD	7.46Y	124.4	0.00	0.59	8.24	5	59	17	96	0.00	0.0	0.660	0.006	0	0	0	13	
	PD.6564	PL.52287	A	75QA	7.46Y	124.4	0.00	0.59	8.25	11	59	17	96	0.00	0.0	0.660	0.006	0	0	0	13	
	PL.42830	PD.6564	A	1/0 AL URD	7.46Y	124.4	0.01	0.59	8.25	5	59	17	96	0.00	0.0	0.681	0.020	5	1	3	13	
	PL.42831	PL.42830	A	1/0 AL URD	7.46Y	124.4	0.01	0.60	7.58	4	54	15	96	0.01	0.0	0.734	0.053	2	1	1	10	
	PL.42832	PL.42831	A	1/0 AL URD	7.46Y	124.4	0.01	0.61	7.24	4	52	15	96	0.00	0.0	0.793	0.059	27	8	3	9	
	PL.43527	PL.42832	A	1/0 AL URD	7.46Y	124.4	0.00	0.62	3.52	2	25	7	96	0.00	0.0	0.812	0.020	7	2	2	6	
	PL.43528	PL.43527	A	1/0 AL URD	7.46Y	124.4	0.00	0.62	2.51	1	18	5	96	0.00	0.0	0.850	0.038	18	5	4	4	
	PL.43529	PL.43528	A	1/0 AL URD	7.46Y	124.4	0.00	0.62	-0.02	0	0	0	100	0.00	0.0	0.891	0.040	0	0	0	0	
	PL.52288	PL.52285	ABC	336 MCM AC	7.46Y	124.4	0.03	0.61	120.09	23	2540	883	94	0.32	0.0	0.681	0.026	6	2	2	269	
	PL.52289	PL.52288	ABC	336 MCM AC	7.46Y	124.3	0.08	0.69	119.79	23	2533	881	94	1.00	0.0	0.764	0.083	12	4	1	267	
	PL.61121	PL.52289	A	#1/0 ACSR	7.46Y	124.3	0.01	0.70	9.33	4	67	19	96	0.00	0.0	0.790	0.026	0	0	0	2	
	PL.63328	PL.61121	A	1/0 AL URD	7.46Y	124.3	0.02	0.71	9.33	5	67	19	96	0.01	0.0	0.847	0.057	0	0	0	2	
	PL.63329	PL.63328	A	1/0 AL URD	7.46Y	124.3	0.01	0.72	9.34	5	67	20	96	0.00	0.0	0.901	0.053	67	20	2	2	
	PD.9413	PL.63329	A	100CodeSMo	7.46Y	124.3	0.00	0.72	0.00	0	0	0	100	0.00	0.0	0.901	0.053	0	0	0	0	
	PL.52291	PL.52289	A	#4 ACSR	7.46Y	124.3	0.00	0.69	10.12	8	72	21	96	0.00	0.0	0.770	0.006	0	0	0	11	
	PD.6741	PL.52291	A	75QA	7.46Y	124.3	0.00	0.69	10.12	13	72	21	96	0.00	0.0	0.770	0.006	0	0	0	11	
	PL.43222	PD.6741	A	#4 ACSR	7.46Y	124.3	0.01	0.70	10.12	8	72	21	96	0.00	0.0	0.791	0.021	2	1	1	11	

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

Balanced Voltage Drop Report
Source: West London 2

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PL.43223	PL.43222	A	#4 ACSR	7.46Y	124.3	0.03	0.73	9.78	8	70	21	96	0.01	0.0	0.861	0.070	19	6	3	10	
PL.43439	PL.43223	A	#4 ACSR	7.46Y	124.3	0.01	0.74	7.17	6	51	15	96	0.00	0.0	0.910	0.049	51	15	7	7	
PL.52290	PL.52289	ABC	336 MCM AC	7.46Y	124.3	0.05	0.74	112.75	22	2381	834	94	0.60	0.0	0.821	0.056	0	0	0	253	
PL.42228	PL.52290	A	1/0 AL URD	7.46Y	124.3	0.00	0.74	0.58	0	4	1	97	0.00	0.0	0.851	0.030	4	1	1	1	
PL.43221	PL.52290	ABC	#3/0 ACSR	7.45Y	124.2	0.11	0.85	112.55	38	2376	832	94	1.54	0.1	0.893	0.072	0	0	0	252	
PL.43212	PL.43221	A	1/0 AL URD	7.45Y	124.1	0.00	0.85	25.23	15	181	51	96	0.01	0.0	0.899	0.006	0	0	0	29	
PD.6753	PL.43212	A	75QA	7.45Y	124.1	0.00	0.85	25.23	34	181	51	96	0.00	0.0	0.899	0.006	0	0	0	29	
PL.43213	PD.6753	A	1/0 AL URD	7.45Y	124.1	0.04	0.89	25.23	15	181	51	96	0.05	0.0	0.948	0.050	9	3	1	29	
PL.43530	PL.43213	A	1/0 AL URD	7.45Y	124.1	0.00	0.90	5.75	3	41	12	96	0.00	0.0	0.979	0.030	12	4	3	8	
PL.43531	PL.43530	A	1/0 AL URD	7.45Y	124.1	0.00	0.90	4.05	2	29	8	96	0.00	0.0	1.014	0.035	15	4	3	5	
PL.43211	PL.43531	A	1/0 AL URD	7.45Y	124.1	-0.00	0.90	-0.03	0	0	0	100	0.00	0.0	1.066	0.052	0	0	0	0	
PL.42225	PL.43531	A	1/0 AL URD	7.45Y	124.1	0.00	0.90	1.97	1	14	4	96	0.00	0.0	1.058	0.044	14	4	2	2	
PL.42226	PL.43213	A	1/0 AL URD	7.44Y	124.1	0.03	0.92	18.29	11	131	37	96	0.03	0.0	1.004	0.056	22	6	5	20	
PL.41580	PL.42226	A	1/0 AL URD	7.44Y	124.1	0.02	0.95	15.22	9	109	31	96	0.02	0.0	1.057	0.053	9	3	3	15	
PL.43217	PL.41580	A	1/0 AL URD	7.44Y	124.0	0.01	0.96	13.02	8	93	26	96	0.01	0.0	1.094	0.037	14	4	1	10	
PL.43218	PL.43217	A	1/0 AL URD	7.44Y	124.0	0.01	0.97	11.07	7	79	22	96	0.00	0.0	1.116	0.022	0	0	0	9	
PL.43219	PL.43218	A	1/0 AL URD	7.44Y	124.0	0.00	0.97	-0.02	0	0	0	100	0.00	0.0	1.146	0.030	0	0	0	0	
PL.63786	PL.43218	A	1/0 AL URD	7.44Y	124.0	0.01	0.98	11.08	7	79	23	96	0.01	0.0	1.154	0.038	20	6	2	9	
PL.63785	PL.63786	A	1/0 AL URD	7.44Y	124.0	0.00	0.98	8.35	5	60	17	96	0.00	0.0	1.179	0.025	40	12	2	7	
PL.63784	PL.63785	A	1/0 AL URD	7.44Y	124.0	0.00	0.99	2.78	2	20	5	97	0.00	0.0	1.228	0.050	11	3	2	5	
PL.63783	PL.63784	A	1/0 AL URD	7.44Y	124.0	0.00	0.99	1.28	1	9	2	98	0.00	0.0	1.284	0.056	7	2	2	3	
PL.63782	PL.63783	A	1/0 AL URD	7.44Y	124.0	0.00	0.99	0.24	0	2	0	100	0.00	0.0	1.314	0.030	2	1	1	1	
P PL.43220	PL.63782	A	1/0 AL URD	7.44Y	124.0	0.00	0.99	-0.00	0	0	0	100	0.00	0.0	1.320	0.006	0	0	0	0	P
PL.42063	PL.41580	A	1/0 AL URD	7.44Y	124.1	0.00	0.95	0.90	1	6	2	95	0.00	0.0	1.112	0.055	6	2	2	2	
PL.43214	PL.43221	ABC	336 MCM AC	7.45Y	124.1	0.04	0.89	103.23	20	2174	773	94	0.39	0.0	0.936	0.043	0	0	0	221	
PL.43215	PL.43214	ABC	336 MCM AC	7.44Y	124.1	0.04	0.92	102.15	20	2150	765	94	0.40	0.0	0.982	0.046	0	0	0	218	
PL.43216	PL.43215	ABC	336 MCM AC	7.43Y	123.8	0.27	1.19	102.00	20	2146	763	94	2.88	0.1	1.311	0.329	0	0	0	217	
PL.58380	PL.43216	C	6 A (CWC)	7.43Y	123.8	0.00	1.20	18.76	13	134	38	96	0.00	0.0	1.314	0.003	0	0	0	15	
PD.8613	PL.58380	C	80T	7.43Y	123.8	0.00	1.20	18.76	0	134	38	96	0.00	0.0	1.314	0.003	0	0	0	15	
PL.58381	PD.8613	C	6 A (CWC)	7.42Y	123.7	0.06	1.25	18.76	13	134	38	96	0.06	0.0	1.378	0.064	0	0	0	15	
PL.41505	PL.58381	C	6 A (CWC)	7.42Y	123.7	0.03	1.28	5.77	4	41	12	96	0.01	0.0	1.479	0.102	0	0	0	5	

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

Balanced Voltage Drop Report
Source: West London 2

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PL.54537	PL.41505	C	#4 ACSR	7.42Y	123.7	0.01	1.28	2.37	2	17	5	96	0.00	0.0	1.582	0.102	17	5	1	1	
PL.54962	PL.41505	C	6 A (CWC)	7.42Y	123.7	0.01	1.29	3.39	2	24	7	96	0.00	0.0	1.573	0.094	2	1	2	4	
PL.63304	PL.54962	C	#1/0 ACSR	7.42Y	123.7	0.00	1.29	3.04	1	22	6	96	0.00	0.0	1.600	0.027	22	6	2	2	
PL.54961	PL.58381	C	6 A (CWC)	7.42Y	123.7	0.07	1.32	12.03	9	86	24	96	0.04	0.0	1.500	0.122	0	0	0	9	
PL.61125	PL.54961	C	6 A (CWC)	7.41Y	123.5	0.21	1.53	12.03	9	86	24	96	0.13	0.2	1.880	0.380	0	0	0	9	
PL.61127	PL.61125	C	1/0 AL URD	7.41Y	123.5	0.01	1.54	6.20	4	44	12	96	0.00	0.0	1.950	0.071	0	0	0	4	
PL.54958	PL.61127	C	1/0 AL URD	7.41Y	123.4	0.01	1.55	6.21	4	44	13	96	0.00	0.0	2.019	0.068	0	0	0	4	
PL.54957	PL.54958	C	1/0 AL URD	7.41Y	123.4	0.01	1.56	6.22	4	44	13	96	0.00	0.0	2.094	0.075	44	13	4	4	
P PL.54956	PL.54957	C	1/0 AL URD	7.41Y	123.4	0.00	1.56	0.00	0	0	0	100	0.00	0.0	2.095	0.002	0	0	0	0	P
PL.61128	PL.61125	C	#1/0 ACSR	7.41Y	123.5	0.00	1.53	1.80	1	13	3	97	0.00	0.0	1.898	0.019	0	0	0	1	
PL.54965	PL.61128	C	1/0 AL URD	7.41Y	123.5	0.00	1.53	1.80	1	13	3	97	0.00	0.0	1.975	0.077	13	4	1	1	
PL.61126	PL.61125	C	6 A (CWC)	7.41Y	123.5	0.02	1.55	4.03	3	29	8	96	0.00	0.0	1.979	0.099	0	0	0	4	
PL.54954	PL.61126	C	6 A (CWC)	7.41Y	123.5	0.00	1.55	0.00	0	0	0	100	0.00	0.0	2.153	0.174	0	0	0	2	
PL.42921	PL.54954	C	6 A (CWC)	7.41Y	123.5	0.00	1.55	0.00	0	0	0	100	0.00	0.0	2.357	0.204	0	0	0	1	
PL.42922	PL.42921	C	6 A (CWC)	7.41Y	123.5	0.00	1.55	0.00	0	0	0	100	0.00	0.0	2.434	0.077	0	0	0	1	
PL.42923	PL.42922	C	6 A (CWC)	7.41Y	123.5	0.00	1.55	0.00	0	0	0	100	0.00	0.0	2.661	0.227	0	0	0	0	
PL.41393	PL.42922	C	6 A (CWC)	7.41Y	123.5	0.00	1.55	0.00	0	0	0	100	0.00	0.0	2.591	0.157	0	0	1	1	
PL.41444	PL.54954	C	6 A (CWC)	7.41Y	123.5	0.00	1.55	0.00	0	0	0	100	0.00	0.0	2.352	0.200	0	0	1	1	
PL.54955	PL.61126	C	#1/0 ACSR	7.41Y	123.5	0.00	1.55	4.03	2	29	8	96	0.00	0.0	1.993	0.014	0	0	0	2	
PL.54959	PL.54955	C	1/0 AL URD	7.41Y	123.5	0.00	1.55	4.03	2	29	8	96	0.00	0.0	2.002	0.009	29	8	2	2	
PL.54960	PL.54959	C	1/0 AL URD	7.41Y	123.5	-0.00	1.55	-0.05	0	0	0	100	0.00	0.0	2.089	0.088	0	0	0	0	
PL.41494	PL.58381	C	#4 ACSR	7.42Y	123.7	0.00	1.25	0.97	1	7	2	96	0.00	0.0	1.551	0.173	7	2	1	1	
PL.43532	PL.43216	A	6 A (CWC)	7.43Y	123.8	0.00	1.19	5.64	4	40	12	96	0.00	0.0	1.317	0.006	0	0	0	5	
PD.6565	PL.43532	A	25QA	7.43Y	123.8	0.00	1.19	5.64	23	40	12	96	0.00	0.0	1.317	0.006	0	0	0	5	
PL.42915	PD.6565	A	6 A (CWC)	7.42Y	123.7	0.08	1.27	5.64	4	40	12	96	0.02	0.1	1.623	0.306	0	0	0	5	
PL.42916	PL.42915	A	6 A (CWC)	7.42Y	123.7	0.01	1.29	5.64	4	40	12	96	0.00	0.0	1.681	0.059	2	1	1	5	
PL.42917	PL.42916	A	#2 ACSR	7.42Y	123.7	0.01	1.29	3.74	2	27	8	96	0.00	0.0	1.728	0.046	0	0	0	3	
PL.41413	PL.42917	A	#2 ACSR	7.42Y	123.7	0.00	1.29	1.51	1	11	3	96	0.00	0.0	1.742	0.014	11	3	1	1	
PL.42918	PL.42917	A	#2 ACSR	7.42Y	123.7	0.00	1.30	1.23	1	9	3	95	0.00	0.0	1.769	0.042	9	3	1	1	
PL.41677	PL.42917	A	#2 ACSR	7.42Y	123.7	0.00	1.29	1.00	1	7	2	96	0.00	0.0	1.741	0.014	7	2	1	1	
PL.42919	PL.42916	A	6 A (CWC)	7.42Y	123.7	0.01	1.29	1.61	1	11	3	96	0.00	0.0	1.756	0.075	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: West London 2

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.42920	PL.42919	A	6 A (CWC)	7.42Y	123.7	0.00	1.30	1.61	1	11	3	96	0.00	0.0	1.773	0.017	11	3	1	1
PL.41351	PL.43216	ABC	#3/0 ACSR	7.41Y	123.6	0.25	1.44	93.88	31	1969	706	94	2.90	0.1	1.506	0.196	0	0	0	197
PL.42926	PL.41351	C	#4 ACSR	7.41Y	123.5	0.03	1.47	9.34	7	66	20	96	0.01	0.0	1.585	0.079	10	3	1	4
PL.42927	PL.42926	C	#4 ACSR	7.41Y	123.5	0.02	1.49	7.92	6	56	17	96	0.01	0.0	1.653	0.068	4	1	1	3
PL.63323	PL.42927	C	#2 ACSR	7.41Y	123.5	0.01	1.50	7.31	4	52	15	96	0.00	0.0	1.678	0.025	0	0	0	2
PL.63324	PL.63323	C	#2 ACSR	7.41Y	123.5	0.00	1.50	7.31	4	52	15	96	0.00	0.0	1.678	0.000	52	15	2	2
PL.54733	PL.42927	C	#4 ACSR	7.41Y	123.5	0.00	1.49	0.00	0	0	0	100	0.00	0.0	1.693	0.040	0	0	0	0
PL.42924	PL.41351	C	#4 ACSR	7.41Y	123.6	0.00	1.44	0.61	0	4	1	97	0.00	0.0	1.512	0.006	0	0	0	1
PD.6594	PL.42924	C	75QA	7.41Y	123.6	0.00	1.44	0.61	1	4	1	97	0.00	0.0	1.512	0.006	0	0	0	1
PL.42925	PD.6594	C	#4 ACSR	7.41Y	123.6	0.00	1.44	0.61	0	4	1	97	0.00	0.0	1.553	0.041	4	1	1	1
PL.42928	PL.41351	ABC	#3/0 ACSR	7.41Y	123.5	0.07	1.51	59.59	20	1270	380	96	0.56	0.0	1.602	0.095	21	6	1	187
PL.43768	PL.42928	ABC	#3/0 ACSR	7.41Y	123.5	0.03	1.54	58.58	20	1248	373	96	0.21	0.0	1.638	0.036	0	0	0	186
PL.54209	PL.43768	ABC	#3/0 ACSR	7.41Y	123.4	0.02	1.56	58.58	20	1247	373	96	0.19	0.0	1.671	0.033	15	4	3	186
PL.54210	PL.54209	ABC	#3/0 ACSR	7.40Y	123.4	0.03	1.59	57.89	19	1233	368	96	0.22	0.0	1.709	0.039	12	4	1	183
PL.54279	PL.54210	ABC	#3/0 ACSR	7.40Y	123.4	0.06	1.65	56.45	19	1202	359	96	0.41	0.0	1.787	0.078	23	7	4	177
PL.54282	PL.54279	ABC	#3/0 ACSR	7.40Y	123.4	0.00	1.65	3.50	1	75	22	96	0.00	0.0	1.835	0.048	0	0	0	13
PL.54283	PL.54282	ABC	#3/0 ACSR	7.40Y	123.3	0.00	1.65	3.06	1	65	19	96	0.00	0.0	1.874	0.039	0	0	0	12
PL.54541	PL.54283	ABC	#3/0 ACSR	7.40Y	123.3	0.00	1.65	3.06	1	65	19	96	0.00	0.0	1.933	0.058	15	4	5	12
PL.54724	PL.54541	ABC	#3/0 ACSR	7.40Y	123.3	0.00	1.65	2.06	1	44	13	96	0.00	0.0	2.011	0.078	36	11	4	5
PL.59602	PL.54724	ABC	#3/0 ACSR	7.40Y	123.3	0.00	1.65	0.00	0	0	0	100	0.00	0.0	2.032	0.021	0	0	0	0
PD.8799-A	PL.59602	ABC	Open	7.40Y	123.3	0.00	1.65	0.00	0	0	0	100	0.00	0.0	2.032	0.021	0	0	0	0
PL.54725	PL.54724	A	#2 ACSR	7.40Y	123.3	0.00	1.65	1.07	1	8	2	97	0.00	0.0	2.017	0.006	0	0	0	1
PD.6541	PL.54725	A	60QA	7.40Y	123.3	0.00	1.65	1.07	2	8	2	97	0.00	0.0	2.017	0.006	0	0	0	1
PL.43534	PD.6541	A	#2 ACSR	7.40Y	123.3	0.00	1.65	1.07	1	8	2	97	0.00	0.0	2.039	0.022	8	2	1	1
PL.54540	PL.54541	C	#4 ACSR	7.40Y	123.3	0.00	1.65	0.86	1	6	2	95	0.00	0.0	1.938	0.006	0	0	0	2
PD.6696	PL.54540	C	60QA	7.40Y	123.3	0.00	1.65	0.86	1	6	2	95	0.00	0.0	1.938	0.006	0	0	0	2
PL.43533	PD.6696	C	#4 ACSR	7.40Y	123.3	0.00	1.65	0.86	1	6	2	95	0.00	0.0	2.019	0.080	6	2	2	2
PL.54284	PL.54282	B	1/0 AL URD	7.40Y	123.4	0.00	1.65	1.33	1	9	3	95	0.00	0.0	1.860	0.024	9	3	1	1
PL.54278	PL.54279	ABC	#3/0 ACSR	7.40Y	123.3	0.03	1.67	51.88	17	1104	329	96	0.18	0.0	1.827	0.039	0	0	0	160
PL.42930	PL.54278	ABC	#3/0 ACSR	7.40Y	123.3	0.00	1.68	51.88	17	1104	329	96	0.03	0.0	1.832	0.006	0	0	0	160
PD.6808	PL.42930	ABC	140L	7.40Y	123.3	0.00	1.68	51.88	37	1104	329	96	0.00	0.0	1.832	0.006	0	0	0	160

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: West London 2

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.54280	PD.6808	ABC	#3/0 ACSR	7.40Y	123.3	0.03	1.71	51.88	17	1104	329	96	0.20	0.0	1.877	0.045	10	3	1	160
PL.54281	PL.54280	ABC	#3/0 ACSR	7.40Y	123.3	0.02	1.73	51.40	17	1093	326	96	0.14	0.0	1.910	0.033	7	2	1	159
PL.56749	PL.54281	ABC	#3/0 ACSR	7.39Y	123.2	0.05	1.78	51.06	17	1086	323	96	0.33	0.0	1.986	0.076	0	0	0	158
PL.56750	PL.56749	ABC	#3/0 ACSR	7.39Y	123.1	0.07	1.85	50.04	17	1064	316	96	0.49	0.0	2.101	0.115	0	0	0	153
PL.41693	PL.56750	ABC	#3/0 ACSR	7.39Y	123.1	0.00	1.86	50.04	17	1063	316	96	0.02	0.0	2.107	0.006	0	0	0	153
PL.41358	PL.41693	ABC	#3/0 ACSR	7.38Y	123.1	0.09	1.94	50.04	17	1063	316	96	0.56	0.1	2.241	0.134	9	3	1	153
PL.54654	PL.41358	ABC	#3/0 ACSR	7.38Y	123.0	0.06	2.00	49.63	17	1054	312	96	0.36	0.0	2.330	0.089	41	12	4	152
PL.59682	PL.54654	ABC	#3/0 ACSR	7.38Y	123.0	0.04	2.04	47.69	16	1013	300	96	0.27	0.0	2.402	0.072	26	8	4	148
PL.60819	PL.59682	ABC	#3/0 ACSR	7.38Y	123.0	0.00	2.04	0.00	0	0	0	100	0.00	0.0	2.435	0.033	0	0	0	0
PD.9065-A	PL.60819	ABC	Open	7.38Y	123.0	0.00	2.04	0.00	0	0	0	100	0.00	0.0	2.435	0.033	0	0	0	0
PL.59683	PL.59682	ABC	#3/0 ACSR	7.38Y	122.9	0.03	2.07	46.45	15	986	291	96	0.18	0.0	2.453	0.051	18	5	2	144
PL.43616	PL.59683	C	#4 ACSR	7.38Y	122.9	0.00	2.07	1.16	1	8	2	97	0.00	0.0	2.459	0.006	0	0	0	1
PD.6438	PL.43616	C	60QA	7.38Y	122.9	0.00	2.07	1.16	2	8	2	97	0.00	0.0	2.459	0.006	0	0	0	1
PL.54653	PD.6438	C	#4 ACSR	7.38Y	122.9	0.00	2.07	1.16	1	8	2	97	0.00	0.0	2.480	0.021	8	2	1	1
PL.54649	PL.59683	ABC	#3/0 ACSR	7.37Y	122.8	0.09	2.16	45.21	15	959	283	96	0.53	0.1	2.610	0.156	17	5	2	141
PL.54650	PL.54649	C	#4 ACSR	7.37Y	122.8	0.00	2.16	2.01	2	14	4	96	0.00	0.0	2.616	0.006	0	0	0	2
PD.6439	PL.54650	C	60QA	7.37Y	122.8	0.00	2.16	2.01	3	14	4	96	0.00	0.0	2.616	0.006	0	0	0	2
PL.54647	PD.6439	C	#4 ACSR	7.37Y	122.8	0.00	2.16	2.01	2	14	4	96	0.00	0.0	2.658	0.043	14	4	2	2
PL.54652	PL.54649	ABC	#3/0 ACSR	7.37Y	122.8	0.03	2.19	42.97	14	912	268	96	0.19	0.0	2.672	0.062	20	6	3	135
PL.66187	PL.54652	B	#2 ACSR	7.37Y	122.8	0.00	2.19	4.33	2	31	9	96	0.00	0.0	2.675	0.003	0	0	0	6
PD.9599	PL.66187	B	25T	7.37Y	122.8	0.00	2.19	4.33	0	31	9	96	0.00	0.0	2.675	0.003	0	0	0	6
PL.66188	PD.9599	B	#2 ACSR	7.37Y	122.8	0.00	2.20	4.33	2	31	9	96	0.00	0.0	2.730	0.055	23	7	5	6
PL.54646	PL.66188	B	#2 ACSR	7.37Y	122.8	0.00	2.20	1.11	1	8	2	97	0.00	0.0	2.746	0.015	8	2	1	1
PL.54644	PL.54652	ABC	#3/0 ACSR	7.37Y	122.8	0.02	2.21	40.59	14	861	253	96	0.10	0.0	2.710	0.037	0	0	0	126
PL.54643	PL.54644	ABC	#3/0 ACSR	7.37Y	122.8	0.01	2.22	40.59	14	861	253	96	0.06	0.0	2.730	0.020	5	1	1	126
PL.54642	PL.54643	ABC	#3/0 ACSR	7.37Y	122.8	0.01	2.24	40.36	13	856	252	96	0.07	0.0	2.754	0.024	3	1	1	125
PL.54640	PL.54642	ABC	#3/0 ACSR	7.36Y	122.7	0.04	2.28	40.23	13	853	251	96	0.21	0.0	2.832	0.078	1	0	2	124
PL.57538	PL.54640	C	#1/0 ACSR	7.36Y	122.7	0.00	2.28	2.16	1	15	5	95	0.00	0.0	2.835	0.003	0	0	0	4
PD.8376	PL.57538	C	20QA	7.36Y	122.7	0.00	2.28	2.16	11	15	5	95	0.00	0.0	2.835	0.003	0	0	0	4
PL.57539	PD.8376	C	#1/0 ACSR	7.36Y	122.7	0.00	2.28	2.16	1	15	5	95	0.00	0.0	2.847	0.012	15	5	4	4
PL.54641	PL.54640	ABC	#3/0 ACSR	7.36Y	122.7	0.01	2.29	39.47	13	837	246	96	0.07	0.0	2.861	0.028	3	1	1	118

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

Balanced Voltage Drop Report
Source: West London 2

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.60383	PL.54641	B	6 A (CWC)	7.36Y	122.7	0.01	2.30	43.26	31	305	91	96	0.03	0.0	2.867	0.006	0	0	0	48
PD.8860	PL.60383	B	30T	7.36Y	122.7	0.00	2.30	43.26	0	305	91	96	0.00	0.0	2.867	0.006	0	0	0	48
PL.60384	PD.8860	B	6 A (CWC)	7.34Y	122.4	0.33	2.63	43.26	31	305	91	96	0.74	0.2	3.034	0.167	8	2	1	48
PL.54632	PL.60384	B	6 A (CWC)	7.34Y	122.3	0.08	2.71	42.17	30	297	88	96	0.18	0.1	3.076	0.042	9	3	1	47
PL.54275	PL.54632	B	6 A (CWC)	7.33Y	122.2	0.05	2.77	40.87	29	288	85	96	0.11	0.0	3.105	0.029	10	3	1	46
PL.54276	PL.54275	B	6 A (CWC)	7.33Y	122.2	0.04	2.80	39.51	28	278	82	96	0.08	0.0	3.125	0.020	0	0	1	45
PL.54277	PL.54276	B	6 A (CWC)	7.33Y	122.2	0.05	2.85	39.51	28	278	82	96	0.10	0.0	3.152	0.027	15	4	3	44
PL.54274	PL.54277	B	6 A (CWC)	7.32Y	122.1	0.07	2.92	37.40	27	263	78	96	0.13	0.1	3.192	0.040	5	1	2	41
PL.54273	PL.54274	B	6 A (CWC)	7.32Y	122.1	0.00	2.92	0.78	1	6	2	95	0.00	0.0	3.222	0.030	6	2	1	1
PL.54556	PL.54274	B	6 A (CWC)	7.32Y	122.0	0.06	2.97	35.91	26	252	75	96	0.11	0.0	3.227	0.034	0	0	0	38
PL.56729	PL.54556	B	6 A (CWC)	7.32Y	122.0	0.03	3.00	35.91	26	252	75	96	0.05	0.0	3.246	0.019	37	11	5	38
PL.56728	PL.56729	B	6 A (CWC)	7.32Y	122.0	0.02	3.02	30.66	22	215	64	96	0.03	0.0	3.259	0.013	34	10	3	33
PL.54566	PL.56728	B	6 A (CWC)	7.32Y	121.9	0.04	3.06	15.22	11	107	32	96	0.03	0.0	3.318	0.058	23	7	2	19
PL.54567	PL.54566	B	6 A (CWC)	7.32Y	121.9	0.01	3.07	11.89	8	83	25	96	0.01	0.0	3.337	0.020	0	0	0	17
PL.42800	PL.54567	B	6 A (CWC)	7.32Y	121.9	0.01	3.08	5.41	4	38	11	96	0.00	0.0	3.379	0.042	7	2	2	5
PL.42801	PL.42800	B	6 A (CWC)	7.32Y	121.9	0.00	3.08	4.46	3	31	9	96	0.00	0.0	3.404	0.024	14	4	1	3
PL.63327	PL.42801	B	6 A (CWC)	7.32Y	121.9	0.00	3.08	2.50	2	18	5	96	0.00	0.0	3.435	0.032	18	5	2	2
PL.54568	PL.54567	B	#4 ACSR	7.32Y	121.9	0.00	3.07	6.47	5	45	13	96	0.00	0.0	3.354	0.017	45	13	12	12
PL.61001	PL.56728	B	6 A (CWC)	7.32Y	121.9	0.03	3.05	10.60	8	74	22	96	0.02	0.0	3.336	0.077	21	6	6	11
PL.61002	PL.61001	B	6 A (CWC)	7.32Y	121.9	0.02	3.07	7.57	5	53	16	96	0.01	0.0	3.390	0.054	13	4	1	5
PL.61003	PL.61002	B	6 A (CWC)	7.32Y	121.9	0.00	3.07	5.66	4	40	12	96	0.00	0.0	3.420	0.030	40	12	4	4
PL.54629	PL.54641	ABC	#2 ACSR	7.36Y	122.7	0.03	2.32	24.89	14	528	154	96	0.12	0.0	2.910	0.049	14	4	2	69
PL.54630	PL.54629	ABC	#2 ACSR	7.36Y	122.6	0.04	2.37	24.22	14	513	149	96	0.17	0.0	2.983	0.073	12	3	4	67
PL.54631	PL.54630	ABC	#2 ACSR	7.36Y	122.6	0.03	2.40	23.66	14	502	146	96	0.13	0.0	3.039	0.055	0	0	1	63
PL.54506	PL.54631	ABC	#2 ACSR	7.35Y	122.6	0.02	2.42	23.07	13	489	142	96	0.08	0.0	3.074	0.035	8	2	1	60
PL.54509	PL.54506	ABC	#2 ACSR	7.35Y	122.6	0.03	2.45	20.52	12	435	126	96	0.10	0.0	3.132	0.059	12	3	1	53
PL.54215	PL.54509	C	#2 ACSR	7.35Y	122.6	0.00	2.45	3.39	2	24	7	96	0.00	0.0	3.138	0.006	0	0	0	2
PD.6669	PL.54215	C	15T	7.35Y	122.6	0.00	2.45	3.39	0	24	7	96	0.00	0.0	3.138	0.006	0	0	0	2
PL.43242	PD.6669	C	#2 ACSR	7.35Y	122.6	0.00	2.45	3.39	2	24	7	96	0.00	0.0	3.147	0.009	24	7	2	2
PL.54634	PL.54509	ABC	#2 ACSR	7.35Y	122.5	0.03	2.48	18.84	11	399	115	96	0.09	0.0	3.195	0.063	0	0	0	50
PL.54635	PL.54634	C	6 A (CWC)	7.35Y	122.5	0.01	2.48	22.01	16	155	46	96	0.01	0.0	3.200	0.006	0	0	0	19

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: West London 2

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.6129	PL.54635	C	60QA	7.35Y	122.5	0.00	2.48	22.01	37	155	46	96	0.00	0.0	3.200	0.006	0	0	0	19
PL.54752	PD.6129	C	6 A (CWC)	7.35Y	122.5	0.05	2.54	22.01	16	155	46	96	0.06	0.0	3.251	0.051	0	0	0	19
PL.54753	PL.54752	C	6 A (CWC)	7.35Y	122.4	0.05	2.58	22.01	16	155	46	96	0.05	0.0	3.299	0.047	12	4	1	19
PL.54570	PL.54753	C	6 A (CWC)	7.34Y	122.4	0.03	2.62	20.25	14	143	42	96	0.03	0.0	3.339	0.040	27	8	4	18
PL.54569	PL.54570	C	6 A (CWC)	7.34Y	122.3	0.04	2.65	16.46	12	116	34	96	0.03	0.0	3.389	0.050	0	0	0	14
PL.54214	PL.54569	C	#4 ACSR	7.34Y	122.3	0.00	2.65	2.92	2	21	6	96	0.00	0.0	3.403	0.014	13	4	1	2
PL.54271	PL.54214	C	#4 ACSR	7.34Y	122.3	0.00	2.66	1.07	1	8	2	97	0.00	0.0	3.428	0.025	8	2	1	1
PL.54272	PL.54569	C	6 A (CWC)	7.34Y	122.3	0.02	2.68	13.54	10	95	28	96	0.02	0.0	3.430	0.041	10	3	2	12
PL.54564	PL.54272	C	6 A (CWC)	7.34Y	122.3	0.02	2.70	12.05	9	85	25	96	0.01	0.0	3.478	0.048	17	5	1	10
PL.54565	PL.54564	C	6 A (CWC)	7.34Y	122.3	0.02	2.72	9.68	7	68	20	96	0.01	0.0	3.519	0.041	12	4	3	9
PL.54563	PL.54565	C	6 A (CWC)	7.34Y	122.3	0.02	2.74	7.99	6	56	17	96	0.01	0.0	3.575	0.056	0	0	0	6
PL.43245	PL.54563	C	#4 ACSR	7.34Y	122.3	0.00	2.74	3.20	2	23	7	96	0.00	0.0	3.607	0.032	3	1	1	3
PL.43246	PL.43245	C	#4 ACSR	7.33Y	122.2	0.01	2.75	2.80	2	20	6	96	0.00	0.0	3.693	0.086	8	2	1	2
PL.43247	PL.43246	C	#4 ACSR	7.33Y	122.2	0.00	2.75	1.63	1	11	3	96	0.00	0.0	3.733	0.040	11	3	1	1
PL.43244	PL.54563	C	6 A (CWC)	7.34Y	122.3	0.00	2.74	4.79	3	34	10	96	0.00	0.0	3.594	0.019	19	6	2	3
PL.43243	PL.43244	C	6 A (CWC)	7.34Y	122.3	0.00	2.74	2.10	1	15	4	97	0.00	0.0	3.642	0.048	15	4	1	1
PL.54754	PL.54752	C	#1/0 ACSR	7.35Y	122.5	0.00	2.54	0.00	0	0	0	100	0.00	0.0	3.286	0.035	0	0	0	0
PL.54633	PL.54634	ABC	#2 ACSR	7.35Y	122.5	0.03	2.50	11.51	7	244	69	96	0.05	0.0	3.282	0.087	0	0	0	31
PL.41605	PL.54633	A	#4 ACSR	7.35Y	122.5	0.01	2.51	34.53	27	244	69	96	0.02	0.0	3.287	0.006	0	0	0	31
PD.6755	PL.41605	A	60QA	7.35Y	122.5	0.00	2.51	34.53	58	244	69	96	0.00	0.0	3.287	0.006	0	0	0	31
PL.54636	PD.6755	A	#4 ACSR	7.35Y	122.4	0.05	2.56	34.53	27	244	69	96	0.09	0.0	3.321	0.033	13	4	2	31
PL.54637	PL.54636	A	#4 ACSR	7.34Y	122.4	0.05	2.61	32.68	25	231	66	96	0.08	0.0	3.354	0.033	10	3	1	29
PL.54638	PL.54637	A	#4 ACSR	7.34Y	122.4	0.03	2.64	31.23	24	221	62	96	0.04	0.0	3.372	0.019	2	1	1	28
PL.54639	PL.54638	A	#4 ACSR	7.34Y	122.3	0.07	2.71	30.94	24	219	62	96	0.12	0.1	3.423	0.051	0	0	0	27
PL.43248	PL.54639	A	#4 ACSR	7.33Y	122.2	0.07	2.77	28.00	22	198	56	96	0.10	0.1	3.480	0.057	9	3	1	24
PL.43249	PL.43248	A	#4 ACSR	7.33Y	122.2	0.04	2.81	25.48	20	180	50	96	0.05	0.0	3.511	0.031	0	0	0	21
PL.42903	PL.43249	A	2 AL URD	7.33Y	122.2	0.00	2.81	14.84	8	105	29	96	0.00	0.0	3.517	0.006	0	0	0	12
PD.6700	PL.42903	A	50QA	7.33Y	122.2	0.00	2.81	14.84	30	105	29	96	0.00	0.0	3.517	0.006	0	0	0	12
PL.42905	PD.6700	A	2 AL URD	7.33Y	122.2	0.02	2.83	14.84	8	105	29	96	0.02	0.0	3.555	0.038	0	0	0	12
PL.42913	PL.42905	A	2 AL URD	7.33Y	122.1	0.03	2.86	14.85	8	105	29	96	0.02	0.0	3.603	0.048	10	3	1	12
PL.42911	PL.42913	A	2 AL URD	7.33Y	122.1	0.01	2.87	7.50	4	53	15	96	0.00	0.0	3.674	0.071	37	11	3	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: West London 2

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.42912	PL.42911	A	2 AL URD	7.33Y	122.1	0.00	2.87	2.21	1	16	4	97	0.00	0.0	3.703	0.029	16	5	2	2
PL.42914	PL.42913	A	2 AL URD	7.33Y	122.1	0.01	2.87	5.89	3	42	11	97	0.00	0.0	3.661	0.058	9	3	1	6
PL.43260	PL.42914	A	2 AL URD	7.33Y	122.1	0.01	2.88	4.67	3	33	9	96	0.00	0.0	3.718	0.057	7	2	1	5
PL.43261	PL.43260	A	2 AL URD	7.33Y	122.1	0.01	2.89	3.63	2	26	7	97	0.00	0.0	3.843	0.124	7	2	1	4
PL.43262	PL.43261	A	2 AL URD	7.33Y	122.1	0.00	2.90	2.72	2	19	5	97	0.00	0.0	3.865	0.023	13	4	1	3
PL.43263	PL.43262	A	2 AL URD	7.33Y	122.1	0.00	2.90	0.87	0	6	1	99	0.00	0.0	3.951	0.086	6	2	2	2
PL.43264	PL.43263	A	2 AL URD	7.33Y	122.1	0.00	2.90	-0.01	0	0	0	100	0.00	0.0	3.966	0.014	0	0	0	0
PL.43250	PL.43249	A	2 AL URD	7.33Y	122.2	0.00	2.81	10.64	6	75	21	96	0.00	0.0	3.517	0.006	0	0	0	9
PD.6597	PL.43250	A	50QA	7.33Y	122.2	0.00	2.81	10.64	21	75	21	96	0.00	0.0	3.517	0.006	0	0	0	9
PL.42904	PD.6597	A	2 AL URD	7.33Y	122.2	0.01	2.82	10.64	6	75	21	96	0.00	0.0	3.542	0.025	16	5	2	9
PL.42906	PL.42904	A	2 AL URD	7.33Y	122.2	0.02	2.84	8.32	5	59	16	97	0.01	0.0	3.616	0.074	27	8	2	7
PL.42907	PL.42906	A	2 AL URD	7.33Y	122.2	0.01	2.85	4.55	3	32	9	96	0.00	0.0	3.662	0.046	14	4	2	5
PL.42909	PL.42907	A	2 AL URD	7.33Y	122.2	0.00	2.85	2.54	1	18	5	96	0.00	0.0	3.717	0.055	7	2	2	3
PL.42910	PL.42909	A	2 AL URD	7.33Y	122.1	0.00	2.85	1.58	1	11	3	96	0.00	0.0	3.749	0.032	11	3	1	1
PL.42908	PL.42910	A	2 AL URD	7.33Y	122.1	0.00	2.85	-0.00	0	0	0	100	0.00	0.0	3.758	0.009	0	0	0	0
PL.42224	PL.42910	A	2 AL URD	7.33Y	122.1	0.00	2.85	-0.02	0	0	0	100	0.00	0.0	3.783	0.034	0	0	0	0
PL.42223	PL.42907	A	2 AL URD	7.33Y	122.2	0.00	2.85	-0.01	0	0	0	100	0.00	0.0	3.681	0.019	0	0	0	0
PL.54562	PL.43248	A	#4 ACSR	7.33Y	122.2	0.00	2.78	1.19	1	8	2	97	0.00	0.0	3.554	0.074	8	2	2	2
PL.64638	PL.54639	A	#4 ACSR	7.34Y	122.3	0.00	2.71	2.93	2	21	6	96	0.00	0.0	3.448	0.025	0	0	0	3
PL.64639	PL.64638	A	#4 ACSR	7.34Y	122.3	0.00	2.71	2.93	2	21	6	96	0.00	0.0	3.448	0.000	21	6	3	3
PL.54507	PL.54506	A	#4 ACSR	7.35Y	122.6	0.00	2.42	5.29	4	37	11	96	0.00	0.0	3.079	0.006	0	0	0	4
PD.6596	PL.54507	A	50QA	7.35Y	122.6	0.00	2.42	5.29	11	37	11	96	0.00	0.0	3.079	0.006	0	0	0	4
PL.54554	PD.6596	A	#4 ACSR	7.35Y	122.6	0.01	2.43	5.29	4	37	11	96	0.00	0.0	3.124	0.044	26	8	3	4
PL.54555	PL.54554	A	#1/0 ACSR	7.35Y	122.6	0.00	2.43	1.55	1	11	3	96	0.00	0.0	3.137	0.013	11	3	1	1
PL.54508	PL.54506	C	#1/0 ACSR	7.35Y	122.6	0.00	2.42	1.21	1	9	3	95	0.00	0.0	3.079	0.006	0	0	0	2
PD.6128	PL.54508	C	10QA	7.35Y	122.6	0.00	2.42	1.21	0	9	3	95	0.00	0.0	3.079	0.006	0	0	0	2
PL.54510	PD.6128	C	#1/0 ACSR	7.35Y	122.6	0.00	2.42	1.21	1	9	3	95	0.00	0.0	3.093	0.013	0	0	1	2
PL.54511	PL.54510	C	#1/0 ACSR	7.35Y	122.6	0.00	2.42	1.21	1	9	3	95	0.00	0.0	3.119	0.027	9	3	1	1
PL.54505	PL.54631	A	#4 ACSR	7.36Y	122.6	0.00	2.40	1.78	1	13	4	96	0.00	0.0	3.044	0.006	0	0	0	2
PD.6127	PL.54505	A	60QA	7.36Y	122.6	0.00	2.40	1.78	3	13	4	96	0.00	0.0	3.044	0.006	0	0	0	2
PL.54504	PD.6127	A	#4 ACSR	7.36Y	122.6	0.00	2.40	1.78	1	13	4	96	0.00	0.0	3.059	0.015	13	4	2	2

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

Balanced Voltage Drop Report
Source: West London 2

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.54651	PL.54649	C	#4 ACSR	7.37Y	122.8	0.00	2.16	2.33	2	16	5	95	0.00	0.0	2.616	0.006	0	0	0	2
PD.6440	PL.54651	C	60QA	7.37Y	122.8	0.00	2.16	2.33	4	16	5	95	0.00	0.0	2.616	0.006	0	0	0	2
PL.54648	PD.6440	C	#4 ACSR	7.37Y	122.8	0.00	2.16	2.33	2	16	5	95	0.00	0.0	2.631	0.015	16	5	2	2
CP.62	PL.41693	ABC	Cap (300)	7.39Y	123.1	0.00	1.86	0.00	0	0	0	100	0.00	0.0	2.107	0.015	0	0	0	0
PL.62421	PL.56749	C	#3/0 ACSR	7.39Y	123.2	0.00	1.78	3.06	1	22	6	96	0.00	0.0	1.986	0.000	0	0	0	5
PD.9333	PL.62421	C	20QA	7.39Y	123.2	0.00	1.78	3.06	15	22	6	96	0.00	0.0	1.986	0.000	0	0	0	5
PL.62422	PD.9333	C	6 A (CWC)	7.39Y	123.2	0.01	1.79	3.06	2	22	6	96	0.00	0.0	2.049	0.063	5	1	2	5
PL.62423	PL.62422	C	6 A (CWC)	7.39Y	123.2	0.00	1.79	2.36	2	17	5	96	0.00	0.0	2.099	0.051	16	5	2	3
PL.54599	PL.62423	C	6 A (CWC)	7.39Y	123.2	0.00	1.79	0.07	0	1	0	100	0.00	0.0	2.132	0.033	1	0	1	1
PL.54211	PL.54210	C	#1/0 ACSR	7.40Y	123.4	0.00	1.59	1.00	0	7	2	96	0.00	0.0	1.715	0.006	0	0	0	3
PD.6645	PL.54211	C	40QA	7.40Y	123.4	0.00	1.59	1.00	3	7	2	96	0.00	0.0	1.715	0.006	0	0	0	3
PL.42929	PD.6645	C	#1/0 ACSR	7.40Y	123.4	0.00	1.59	1.00	0	7	2	96	0.00	0.0	1.786	0.071	7	2	3	3
PL.54212	PL.54210	B	#1/0 ACSR	7.40Y	123.4	0.00	1.59	1.58	1	11	3	96	0.00	0.0	1.712	0.003	0	0	0	2
PD.8135	PL.54212	B	15QA	7.40Y	123.4	0.00	1.59	1.58	0	11	3	96	0.00	0.0	1.712	0.003	0	0	0	2
PL.54213	PD.8135	B	#1/0 ACSR	7.40Y	123.4	0.00	1.59	1.58	1	11	3	96	0.00	0.0	1.734	0.022	11	3	2	2
PL.41021	PL.41351	ABC	#1/0 ACSR	7.41Y	123.5	0.02	1.46	31.23	14	626	301	90	0.10	0.0	1.545	0.039	0	0	0	4
PL.41022	PL.41021	ABC	#1/0 ACSR	7.41Y	123.5	0.02	1.48	29.07	13	583	280	90	0.06	0.0	1.584	0.038	202	98	1	3
PL.63286	PL.41022	ABC	#1/0 ACSR	7.41Y	123.5	0.02	1.50	18.95	8	380	182	90	0.04	0.0	1.625	0.042	0	0	0	2
PL.63287	PL.63286	ABC	#1/0 ACSR	7.41Y	123.5	0.03	1.52	18.95	8	380	182	90	0.07	0.0	1.700	0.075	0	0	0	2
PL.63018	PL.63287	ABC	#1/0 ACSR	7.41Y	123.5	0.01	1.54	18.95	8	380	182	90	0.03	0.0	1.736	0.036	12	4	1	2
PL.63019	PL.63018	ABC	#1/0 ACSR	7.41Y	123.5	0.01	1.54	18.39	8	368	178	90	0.01	0.0	1.780	0.044	368	178	1	1
PL.63288	PL.63019	ABC	#1/0 ACSR	7.41Y	123.5	0.00	1.54	0.00	0	0	0	100	0.00	0.0	1.788	0.008	0	0	0	0
PL.41639	PL.41021	ABC	#1/0 ACSR	7.41Y	123.5	0.00	1.46	2.17	1	43	21	90	0.00	0.0	1.587	0.042	43	21	1	1
PL.41336	PL.41351	C	#4 ACSR	7.41Y	123.6	0.00	1.44	0.00	0	0	0	100	0.00	0.0	1.562	0.056	0	0	1	1
PL.42229	PL.43215	A	1/0 AL URD	7.44Y	124.1	0.00	0.92	0.46	0	3	1	95	0.00	0.0	0.995	0.013	3	1	1	1
PL.42230	PL.43214	A	1/0 AL URD	7.45Y	124.1	0.00	0.89	3.23	2	23	7	96	0.00	0.0	0.948	0.012	23	7	3	3
PL.42231	PL.43221	A	1/0 AL URD	7.45Y	124.2	0.00	0.85	2.81	2	20	6	96	0.00	0.0	0.903	0.010	20	6	2	2
PL.52286	PL.52285	A	6 A (CWC)	7.46Y	124.4	0.00	0.59	0.36	0	3	1	95	0.00	0.0	0.661	0.006	0	0	0	4
PD.6740	PL.52286	A	75QA	7.46Y	124.4	0.00	0.59	0.36	0	3	1	95	0.00	0.0	0.661	0.006	0	0	0	4
PL.42827	PD.6740	A	6 A (CWC)	7.46Y	124.4	0.00	0.59	0.36	0	3	1	95	0.00	0.0	0.698	0.038	2	1	2	4
PL.42828	PL.42827	A	6 A (CWC)	7.46Y	124.4	0.00	0.59	0.05	0	0	0	100	0.00	0.0	0.733	0.035	0	0	2	2

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

Balanced Voltage Drop Report
Source: West London 2

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PL.42829	PL.42828	A	6 A (CWC)	7.46Y	124.4	0.00	0.59	0.00	0	0	0	100	0.00	0.0	0.789	0.056	0	0	0	0	
PL.52283	PL.52284	B	#1/0 ACSR	7.47Y	124.5	0.01	0.53	48.75	21	349	103	96	0.01	0.0	0.599	0.006	0	0	0	33	
PD.6137	PL.52283	B	25T	7.47Y	124.5	0.00	0.53	48.75	0	349	103	96	0.00	0.0	0.599	0.006	0	0	0	33	
PL.41451	PD.6137	B	#1/0 ACSR	7.47Y	124.5	0.01	0.54	48.75	21	349	103	96	0.03	0.0	0.611	0.012	14	4	2	33	
PL.43229	PL.41451	B	#1/0 ACSR	7.47Y	124.4	0.03	0.58	46.81	20	335	98	96	0.07	0.0	0.640	0.030	17	5	2	31	
PL.43230	PL.43229	B	#1/0 ACSR	7.46Y	124.4	0.05	0.62	44.50	19	319	93	96	0.10	0.0	0.687	0.047	8	2	2	29	
PL.43231	PL.43230	B	#1/0 ACSR	7.46Y	124.3	0.06	0.68	43.35	19	310	91	96	0.11	0.0	0.744	0.056	7	2	2	27	
PL.43232	PL.43231	B	#1/0 ACSR	7.46Y	124.3	0.06	0.74	40.90	18	293	86	96	0.12	0.0	0.809	0.065	0	0	0	23	
PL.43235	PL.43232	B	#4 ACSR	7.45Y	124.2	0.07	0.81	21.73	17	156	45	96	0.08	0.0	0.877	0.068	0	0	0	9	
PL.43236	PL.43235	B	#4 ACSR	7.45Y	124.2	0.03	0.84	20.22	16	145	42	96	0.03	0.0	0.912	0.035	44	13	4	8	
PL.43239	PL.43236	B	1/0 AL URD	7.45Y	124.2	0.00	0.84	7.69	5	55	16	96	0.00	0.0	0.918	0.006	0	0	0	2	
PD.6711	PL.43239	B	50QA	7.45Y	124.2	0.00	0.84	7.69	15	55	16	96	0.00	0.0	0.918	0.006	0	0	0	2	
PL.43240	PD.6711	B	1/0 AL URD	7.45Y	124.1	0.01	0.85	7.69	5	55	16	96	0.01	0.0	0.975	0.058	0	0	0	2	
PL.42823	PL.43240	B	1/0 AL URD	7.45Y	124.1	0.00	0.85	-0.02	0	0	0	100	0.00	0.0	1.017	0.041	0	0	0	0	
PL.42235	PL.43240	B	1/0 AL URD	7.45Y	124.1	0.00	0.86	7.70	5	55	16	96	0.00	0.0	1.003	0.028	55	16	2	2	
PL.41830	PL.43236	B	#2 ACSR	7.45Y	124.2	0.00	0.84	6.38	4	46	13	96	0.00	0.0	0.921	0.008	46	13	2	2	
PL.42062	PL.43235	B	1/0 AL URD	7.45Y	124.2	0.00	0.81	1.51	1	11	3	96	0.00	0.0	0.924	0.047	11	3	1	1	
PL.43237	PL.43232	B	#4 ACSR	7.45Y	124.2	0.04	0.78	19.17	15	137	40	96	0.03	0.0	0.854	0.046	25	7	3	14	
PL.43238	PL.43237	B	#4 ACSR	7.45Y	124.2	0.03	0.81	15.63	12	112	33	96	0.03	0.0	0.901	0.046	9	3	3	11	
PL.42825	PL.43238	B	1/0 AL URD	7.45Y	124.2	0.00	0.81	14.41	8	103	30	96	0.00	0.0	0.907	0.006	0	0	0	8	
PD.6563	PL.42825	B	50QA	7.45Y	124.2	0.00	0.81	14.41	29	103	30	96	0.00	0.0	0.907	0.006	0	0	0	8	
PL.42826	PD.6563	B	1/0 AL URD	7.45Y	124.2	0.02	0.84	14.41	8	103	30	96	0.02	0.0	0.961	0.054	7	2	2	8	
PL.42236	PL.42826	B	1/0 AL URD	7.45Y	124.2	0.00	0.84	5.06	3	36	11	96	0.00	0.0	0.973	0.013	36	11	2	2	
PL.43241	PL.42826	B	1/0 AL URD	7.45Y	124.2	0.00	0.84	8.38	5	60	18	96	0.00	0.0	0.983	0.022	27	8	2	4	
P PL.42824	PL.43241	B	1/0 AL URD	7.45Y	124.2	0.00	0.84	-0.00	0	0	0	100	0.00	0.0	0.988	0.006	0	0	0	0	P
PL.42064	PL.43241	B	1/0 AL URD	7.45Y	124.2	0.00	0.84	4.63	3	33	10	96	0.00	0.0	0.999	0.017	33	10	2	2	
PL.43233	PL.43231	B	#4 ACSR	7.46Y	124.3	0.00	0.68	1.49	1	11	3	96	0.00	0.0	0.787	0.044	3	1	1	2	
PL.43234	PL.43233	B	#4 ACSR	7.46Y	124.3	0.00	0.68	1.05	1	8	2	97	0.00	0.0	0.836	0.049	8	2	1	1	
PL.41716	PL.41717	ABC	#4 ACSR	7.49Y	124.8	0.01	0.19	13.56	10	293	84	96	0.03	0.0	0.306	0.026	0	0	0	28	
PL.42788	PL.41716	B	1/0 AL URD	7.49Y	124.8	0.01	0.20	40.67	24	293	84	96	0.02	0.0	0.312	0.006	0	0	0	28	
PD.6136	PL.42788	B	75QA	7.49Y	124.8	0.00	0.20	40.68	54	293	84	96	0.00	0.0	0.312	0.006	0	0	0	28	

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: West London 2

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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PL.42789	PD.6136	B	1/0 AL URD	7.49Y	124.8	0.01	0.20	40.68	24	293	84	96	0.02	0.0	0.319	0.007	14	4	1	28	
PL.42787	PL.42789	B	1/0 AL URD	7.49Y	124.8	0.04	0.25	38.75	23	279	80	96	0.09	0.0	0.355	0.036	11	3	1	27	
PL.42786	PL.42787	B	1/0 AL URD	7.48Y	124.7	0.04	0.29	37.28	22	268	77	96	0.09	0.0	0.394	0.040	22	7	2	26	
PL.42785	PL.42786	B	1/0 AL URD	7.48Y	124.7	0.04	0.34	34.21	20	246	70	96	0.08	0.0	0.436	0.042	11	3	3	24	
PL.42784	PL.42785	B	1/0 AL URD	7.48Y	124.6	0.04	0.38	32.73	19	235	67	96	0.07	0.0	0.478	0.042	18	5	2	21	
PL.43526	PL.42784	B	1/0 AL URD	7.47Y	124.6	0.06	0.43	30.27	18	218	62	96	0.09	0.0	0.538	0.060	11	3	1	19	
PL.43525	PL.43526	B	1/0 AL URD	7.47Y	124.5	0.02	0.45	28.70	17	206	59	96	0.03	0.0	0.562	0.024	20	6	1	18	
PL.43524	PL.43525	B	1/0 AL URD	7.47Y	124.5	0.04	0.49	25.97	15	187	53	96	0.05	0.0	0.608	0.046	11	3	1	17	
PL.43523	PL.43524	B	1/0 AL URD	7.47Y	124.5	0.03	0.52	24.39	14	175	50	96	0.04	0.0	0.649	0.041	13	4	2	16	
PL.43522	PL.43523	B	1/0 AL URD	7.47Y	124.5	0.03	0.55	22.55	13	162	46	96	0.03	0.0	0.689	0.040	17	5	1	14	
PL.43521	PL.43522	B	1/0 AL URD	7.47Y	124.4	0.03	0.58	20.15	12	145	42	96	0.04	0.0	0.745	0.056	20	6	2	13	
PL.43520	PL.43521	B	1/0 AL URD	7.46Y	124.4	0.02	0.60	17.37	10	125	36	96	0.02	0.0	0.790	0.044	19	6	2	11	
P PL.41582	PL.43520	B	1/0 AL URD	7.46Y	124.4	0.00	0.60	-0.00	0	0	0	100	0.00	0.0	0.793	0.003	0	0	0	0	P
PL.43479	PL.43520	B	1/0 AL URD	7.46Y	124.4	0.03	0.63	14.71	9	106	30	96	0.02	0.0	0.859	0.070	33	10	3	9	
PL.43480	PL.43479	B	1/0 AL URD	7.46Y	124.4	0.00	0.63	10.11	6	73	21	96	0.00	0.0	0.876	0.017	24	7	2	6	
PL.43481	PL.43480	B	1/0 AL URD	7.46Y	124.4	0.01	0.64	6.80	4	49	14	96	0.00	0.0	0.915	0.038	0	0	0	4	
PL.43518	PL.43481	B	1/0 AL URD	7.46Y	124.4	-0.00	0.64	-0.03	0	0	0	100	0.00	0.0	0.975	0.060	0	0	0	0	
PL.42065	PL.43481	B	1/0 AL URD	7.46Y	124.4	0.00	0.64	3.44	2	25	7	96	0.00	0.0	0.932	0.017	25	7	2	2	
PL.41583	PL.43481	B	1/0 AL URD	7.46Y	124.4	0.00	0.64	3.37	2	24	7	96	0.00	0.0	0.927	0.013	24	7	2	2	

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

	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	7955	0	0	0	0	0	141	0.00	8096
KVAR	2507	0	0	-67	0	0	228		2669

Lowest Voltage = 119.76 on Element PL.54159
Max Accm VoltD = 5.24 on Element PL.54159
Max Elem VoltD = 0.59 on Element PL.41318