

Balanced Voltage Drop Report
Source: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
Tyner		ABC	SRC-Tyner	7.50Y	125.0	0.00	0.00	389.35	0	8320	2743	95	0.00	0.0	0.000	0.000	0	0	0	1700
PL.68332	Tyner	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	32.75	6	690	257	94	0.00	0.0	0.003	0.003	0	0	0	81
PL.72917	PL.68332	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	32.75	6	690	257	94	0.00	0.0	0.005	0.002	0	0	0	81
----- Feeder No. 4 (Annville F4) Beginning with Device PD.11200 -----																				
PD.11200	PL.72917	ABC	360VWE	7.50Y	125.0	0.00	0.00	32.75	0	690	257	94	0.00	0.0	0.005	0.002	0	0	0	81
PL.72918	PD.11200	ABC	336 MCM AC	7.50Y	125.0	0.02	0.02	32.75	6	690	257	94	0.06	0.0	0.071	0.066	11	3	1	81
PL.70444	PL.72918	ABC	336 MCM AC	7.50Y	125.0	0.01	0.03	32.24	6	679	254	94	0.02	0.0	0.097	0.026	0	0	0	80
PL.69318	PL.70444	ABC	336 MCM AC	7.50Y	125.0	0.01	0.04	31.02	6	653	247	94	0.03	0.0	0.135	0.038	5	1	1	74
PL.69319	PL.69318	ABC	336 MCM AC	7.50Y	124.9	0.02	0.06	28.54	5	598	233	93	0.07	0.0	0.235	0.100	0	0	0	64
PL.69338	PL.69319	ABC	336 MCM AC	7.50Y	124.9	0.02	0.08	28.23	5	591	231	93	0.07	0.0	0.335	0.099	7	2	2	62
PL.69339	PL.69338	ABC	336 MCM AC	7.49Y	124.9	0.02	0.10	27.93	5	585	229	93	0.05	0.0	0.404	0.069	8	2	1	60
PL.70457	PL.69339	ABC	336 MCM AC	7.49Y	124.9	0.03	0.13	27.44	5	574	226	93	0.07	0.0	0.519	0.115	0	0	0	58
PL.69323	PL.70457	ABC	336 MCM AC	7.49Y	124.8	0.03	0.16	22.50	4	466	197	92	0.07	0.0	0.684	0.165	0	0	0	32
PL.69324	PL.69323	ABC	336 MCM AC	7.49Y	124.8	0.02	0.18	18.91	4	387	176	91	0.04	0.0	0.834	0.149	0	0	0	13
PL.69326	PL.69324	ABC	336 MCM AC	7.49Y	124.8	0.01	0.20	16.94	3	343	165	90	0.02	0.0	0.923	0.090	0	0	0	8
PL.69327	PL.69326	ABC	336 MCM AC	7.49Y	124.8	0.01	0.20	16.72	3	338	163	90	0.01	0.0	0.982	0.059	0	0	0	7
PL.69331	PL.69327	ABC	336 MCM AC	7.49Y	124.8	0.00	0.20	0.00	0	0	0	100	0.00	0.0	1.144	0.162	0	0	0	0
PL.69332	PL.69331	ABC	336 MCM AC	7.49Y	124.8	0.00	0.20	0.00	0	0	0	100	0.00	0.0	1.294	0.150	0	0	0	0
PL.70517	PL.69332	ABC	336 MCM AC	7.49Y	124.8	0.00	0.20	0.00	0	0	0	100	0.00	0.0	1.444	0.150	0	0	0	0
PD.10567-B	PL.70517	ABC	Open	7.49Y	124.8	0.00	0.20	0.00	0	0	0	100	0.00	0.0	1.444	0.150	0	0	0	0
PL.69350	PL.69327	ABC	#4 ACSR	7.48Y	124.7	0.07	0.27	16.72	13	338	163	90	0.19	0.1	1.089	0.107	1	0	2	7
PL.69351	PL.69350	ABC	#4 ACSR	7.48Y	124.7	0.03	0.30	16.68	13	337	163	90	0.09	0.0	1.139	0.050	0	0	1	5
PL.70480	PL.69351	ABC	#1/0 ACSR	7.48Y	124.7	0.00	0.30	0.34	0	7	3	92	0.00	0.0	1.240	0.101	7	3	1	1
PL.69328	PL.69351	ABC	#4 ACSR	7.48Y	124.6	0.06	0.36	16.34	13	330	160	90	0.16	0.0	1.234	0.096	0	0	0	3
PL.69333	PL.69328	ABC	#4 ACSR	7.47Y	124.6	0.06	0.42	16.34	13	330	159	90	0.16	0.0	1.329	0.095	0	0	0	3
PL.70481	PL.69333	ABC	#4 ACSR	7.47Y	124.6	0.02	0.44	16.31	13	329	159	90	0.06	0.0	1.363	0.034	0	0	0	2
PL.69313	PL.70481	ABC	#4 ACSR	7.47Y	124.6	0.00	0.44	16.31	13	329	159	90	0.00	0.0	1.364	0.001	143	69	1	2
PL.70482	PL.69313	ABC	#4 ACSR	7.47Y	124.6	0.00	0.44	9.22	7	186	90	90	0.00	0.0	1.375	0.010	186	90	1	1
PL.69314	PL.70482	ABC	#4 ACSR	7.47Y	124.6	0.00	0.44	0.00	0	0	0	100	0.00	0.0	1.377	0.002	0	0	0	0
PL.70510	PL.69333	C	#4 ACSR	7.47Y	124.6	0.00	0.42	0.11	0	1	0	100	0.00	0.0	1.334	0.004	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

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.10564	PL.70510	C	65T	7.47Y	124.6	0.00	0.42	0.11	0	1	0	100	0.00	0.0	1.334	0.004	0	0	0	1
PL.70511	PD.10564	C	#4 ACSR	7.47Y	124.6	0.00	0.42	0.11	0	1	0	100	0.00	0.0	1.414	0.080	0	0	0	1
PL.70514	PL.70511	C	#1/0 ACSR	7.47Y	124.6	0.00	0.42	0.11	0	1	0	100	0.00	0.0	1.448	0.034	0	0	0	1
PD.10566	PL.70514	C	15T	7.47Y	124.6	0.00	0.42	0.11	0	1	0	100	0.00	0.0	1.448	0.034	0	0	0	1
PL.70515	PD.10566	C	#1/0 ACSR	7.47Y	124.6	0.00	0.42	0.11	0	1	0	100	0.00	0.0	1.453	0.005	1	0	1	1
PL.69317	PL.70515	C	1/0 AL URD	7.47Y	124.6	0.00	0.42	-0.03	0	0	0	100	0.00	0.0	1.504	0.051	0	0	0	0
PL.69316	PL.70515	C	#1/0 ACSR	7.47Y	124.6	0.00	0.42	0.00	0	0	0	100	0.00	0.0	1.507	0.055	0	0	0	0
PL.69315	PL.70515	C	#1/0 ACSR	7.47Y	124.6	0.00	0.42	0.00	0	0	0	100	0.00	0.0	1.455	0.003	0	0	0	0
PL.70512	PL.69326	C	#4 ACSR	7.49Y	124.8	0.00	0.20	0.68	1	5	1	98	0.00	0.0	0.927	0.004	0	0	0	1
PD.10565	PL.70512	C	65T	7.49Y	124.8	0.00	0.20	0.68	0	5	1	98	0.00	0.0	0.927	0.004	0	0	0	1
PL.70513	PD.10565	C	#4 ACSR	7.49Y	124.8	0.00	0.20	0.68	1	5	1	98	0.00	0.0	1.024	0.097	5	1	1	1
PL.70508	PL.69324	C	#4 ACSR	7.49Y	124.8	0.00	0.18	5.99	5	43	11	97	0.00	0.0	0.838	0.004	0	0	0	5
PD.10563	PL.70508	C	65T	7.49Y	124.8	0.00	0.18	5.99	0	43	11	97	0.00	0.0	0.838	0.004	0	0	0	5
PL.70509	PD.10563	C	#4 ACSR	7.49Y	124.8	0.01	0.20	5.99	5	43	11	97	0.00	0.0	0.928	0.090	35	9	4	5
PL.70478	PL.70509	C	#4 ACSR	7.49Y	124.8	0.00	0.20	1.18	1	9	2	98	0.00	0.0	0.965	0.037	9	2	1	1
PL.70468	PL.69323	A	#4 ACSR	7.49Y	124.8	0.02	0.18	10.92	8	79	21	97	0.01	0.0	0.725	0.040	0	0	0	19
PD.10560	PL.70468	A	65T	7.49Y	124.8	0.00	0.18	10.92	0	79	21	97	0.00	0.0	0.725	0.040	0	0	0	19
PL.70469	PD.10560	A	#4 ACSR	7.49Y	124.8	0.01	0.19	4.12	3	30	8	97	0.00	0.0	0.796	0.071	6	1	2	7
PL.70470	PL.70469	A	#4 ACSR	7.49Y	124.8	0.01	0.20	3.34	3	24	6	97	0.00	0.0	0.935	0.139	17	5	4	5
PL.70471	PL.70470	A	#4 ACSR	7.49Y	124.8	0.00	0.20	0.92	1	7	2	96	0.00	0.0	1.017	0.082	7	2	1	1
PL.69325	PD.10560	A	#4 ACSR	7.49Y	124.8	0.02	0.20	6.80	5	49	13	97	0.01	0.0	0.797	0.072	3	1	1	12
PL.70472	PL.69325	A	#4 ACSR	7.49Y	124.8	0.02	0.21	6.39	5	46	12	97	0.01	0.0	0.855	0.058	0	0	0	11
PL.70474	PL.70472	A	#4 ACSR	7.49Y	124.8	0.02	0.23	6.39	5	46	12	97	0.01	0.0	0.917	0.062	6	2	1	11
PL.70475	PL.70474	A	#4 ACSR	7.49Y	124.8	0.01	0.24	4.56	4	33	9	96	0.00	0.0	0.983	0.066	20	5	4	7
PL.69342	PL.70475	A	#2 ACSR	7.49Y	124.8	0.00	0.24	1.78	1	13	3	97	0.00	0.0	1.012	0.029	6	2	1	3
PL.69343	PL.69342	A	#2 ACSR	7.49Y	124.8	0.00	0.24	0.91	1	7	2	96	0.00	0.0	1.063	0.051	0	0	0	2
PL.69340	PL.69343	A	#1/0 ACSR	7.49Y	124.8	0.00	0.24	0.91	0	7	2	96	0.00	0.0	1.100	0.037	0	0	0	2
PL.69341	PL.69340	A	#1/0 ACSR	7.49Y	124.8	0.00	0.24	0.91	0	7	2	96	0.00	0.0	1.159	0.059	7	2	2	2
PL.70476	PL.70474	A	#4 ACSR	7.49Y	124.8	0.00	0.23	0.67	1	5	1	98	0.00	0.0	1.012	0.095	5	1	1	1
PL.69344	PL.70474	A	#4 ACSR	7.49Y	124.8	0.00	0.23	0.37	0	3	1	95	0.00	0.0	0.959	0.042	0	0	1	2
PL.69345	PL.69344	A	#4 ACSR	7.49Y	124.8	0.00	0.23	0.37	0	3	1	95	0.00	0.0	0.967	0.008	0	0	0	1

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.70477	PL.69345	A	#4 ACSR	7.49Y	124.8	0.00	0.23	0.37	0	3	1	95	0.00	0.0	0.994	0.027	3	1	1	1
PL.70473	PL.69325	A	#4 ACSR	7.49Y	124.8	0.00	0.20	0.00	0	0	0	100	0.00	0.0	0.825	0.028	0	0	0	0
PL.70500	PL.70457	B	#1/0 ACSR	7.49Y	124.9	0.00	0.13	14.94	6	108	29	97	0.00	0.0	0.523	0.004	0	0	0	26
PD.10558	PL.70500	B	65T	7.49Y	124.9	0.00	0.13	14.94	0	108	29	97	0.00	0.0	0.523	0.004	0	0	0	26
PL.70501	PD.10558	B	#1/0 ACSR	7.49Y	124.8	0.05	0.17	14.94	6	108	29	97	0.03	0.0	0.664	0.140	0	0	0	26
PL.69346	PL.70501	B	#1/0 ACSR	7.49Y	124.8	0.01	0.19	13.37	6	97	26	97	0.01	0.0	0.711	0.047	1	0	1	23
PL.69347	PL.69346	B	#1/0 ACSR	7.49Y	124.8	0.01	0.20	13.18	6	95	25	97	0.01	0.0	0.743	0.032	0	0	0	22
PL.70458	PL.69347	B	#1/0 ACSR	7.49Y	124.8	0.02	0.22	13.18	6	95	25	97	0.01	0.0	0.811	0.068	6	2	2	22
PL.69322	PL.70458	B	#1/0 ACSR	7.49Y	124.8	0.01	0.23	11.56	5	84	22	97	0.01	0.0	0.857	0.046	7	2	1	19
PL.69348	PL.69322	B	#1/0 ACSR	7.48Y	124.7	0.02	0.25	10.55	5	76	20	97	0.01	0.0	0.962	0.105	7	2	1	18
PL.69349	PL.69348	B	#1/0 ACSR	7.48Y	124.7	0.03	0.28	9.63	4	70	18	97	0.01	0.0	1.091	0.129	5	1	1	17
PL.70506	PL.69349	B	6 A (CWC)	7.48Y	124.7	0.00	0.28	8.89	6	64	17	97	0.00	0.0	1.096	0.005	0	0	0	16
PD.10562	PL.70506	B	40T	7.48Y	124.7	0.00	0.28	8.89	0	64	17	97	0.00	0.0	1.096	0.005	0	0	0	16
PL.70507	PD.10562	B	6 A (CWC)	7.48Y	124.7	0.03	0.31	8.89	6	64	17	97	0.01	0.0	1.170	0.074	0	0	0	16
PL.69329	PL.70507	B	6 A (CWC)	7.48Y	124.6	0.06	0.37	8.89	6	64	17	97	0.03	0.0	1.315	0.145	0	0	0	16
PL.69330	PL.69329	B	6 A (CWC)	7.48Y	124.6	0.04	0.42	8.89	6	64	17	97	0.02	0.0	1.421	0.106	0	0	0	16
PL.70461	PL.69330	B	6 A (CWC)	7.47Y	124.6	0.02	0.44	6.32	5	46	12	97	0.01	0.0	1.511	0.090	4	1	2	11
PL.70460	PL.70461	B	6 A (CWC)	7.47Y	124.5	0.04	0.48	4.64	3	34	9	97	0.01	0.0	1.695	0.183	0	0	0	7
PL.70462	PL.70460	B	6 A (CWC)	7.47Y	124.5	0.02	0.50	4.64	3	33	9	96	0.00	0.0	1.812	0.117	9	2	1	7
PL.70487	PL.70462	B	#4 ACSR	7.47Y	124.5	0.01	0.51	3.40	3	25	6	97	0.00	0.0	1.882	0.070	3	1	1	6
PL.70488	PL.70487	B	#4 ACSR	7.47Y	124.5	0.00	0.52	2.98	2	22	6	96	0.00	0.0	1.923	0.041	11	3	2	5
PL.70464	PL.70488	B	#4 ACSR	7.47Y	124.5	0.00	0.52	0.93	1	7	2	96	0.00	0.0	1.940	0.018	7	2	2	2
PL.70463	PL.70488	B	#4 ACSR	7.47Y	124.5	0.00	0.52	0.59	0	4	1	97	0.00	0.0	1.944	0.021	0	0	0	1
PL.70465	PL.70463	B	#1/0 ACSR	7.47Y	124.5	0.00	0.52	0.59	0	4	1	97	0.00	0.0	2.133	0.189	4	1	1	1
PL.70485	PL.70461	B	6 A (CWC)	7.47Y	124.6	0.01	0.45	1.10	1	8	2	97	0.00	0.0	1.694	0.182	1	0	1	2
PL.70486	PL.70485	B	6 A (CWC)	7.47Y	124.5	0.00	0.45	0.95	1	7	2	96	0.00	0.0	1.733	0.040	7	2	1	1
PL.70483	PL.69330	B	#1/0 ACSR	7.47Y	124.6	0.00	0.42	1.78	1	13	3	97	0.00	0.0	1.450	0.029	3	1	1	2
PL.70484	PL.70483	B	#1/0 ACSR	7.47Y	124.6	0.00	0.42	1.35	1	10	3	96	0.00	0.0	1.506	0.056	10	3	1	1
PL.70459	PL.69330	B	6 A (CWC)	7.47Y	124.6	0.00	0.42	0.80	1	6	2	95	0.00	0.0	1.606	0.185	6	2	3	3
PL.70504	PL.70458	B	#4 ACSR	7.49Y	124.8	0.00	0.22	0.75	1	5	1	98	0.00	0.0	0.815	0.004	0	0	0	1
PD.10561	PL.70504	B	40T	7.49Y	124.8	0.00	0.22	0.75	0	5	1	98	0.00	0.0	0.815	0.004	0	0	0	1

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Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.70505	PD.10561	B	#4 ACSR	7.49Y	124.8	0.00	0.22	0.75	1	5	1	98	0.00	0.0	0.878	0.063	5	1	1	1
PL.70502	PL.70501	B	#4 ACSR	7.49Y	124.8	0.00	0.18	1.57	1	11	3	96	0.00	0.0	0.668	0.005	0	0	0	3
PD.10559	PL.70502	B	40T	7.49Y	124.8	0.00	0.18	1.57	0	11	3	96	0.00	0.0	0.668	0.005	0	0	0	3
PL.70503	PD.10559	B	#4 ACSR	7.49Y	124.8	0.00	0.18	1.57	1	11	3	96	0.00	0.0	0.713	0.045	2	0	2	3
PL.70466	PL.70503	B	#1/0 ACSR	7.49Y	124.8	0.00	0.18	1.32	1	10	3	96	0.00	0.0	0.780	0.067	0	0	0	1
PL.70467	PL.70466	B	#1/0 ACSR	7.49Y	124.8	0.00	0.18	1.32	1	10	3	96	0.00	0.0	0.876	0.096	10	3	1	1
PL.70498	PL.69339	C	#4 ACSR	7.49Y	124.9	0.00	0.10	0.35	0	3	1	95	0.00	0.0	0.408	0.004	0	0	0	1
PD.10557	PL.70498	C	65T	7.49Y	124.9	0.00	0.10	0.35	0	3	1	95	0.00	0.0	0.408	0.004	0	0	0	1
PL.70499	PD.10557	C	#4 ACSR	7.49Y	124.9	0.00	0.10	0.35	0	3	1	95	0.00	0.0	0.483	0.075	3	1	1	1
PL.70496	PL.69319	C	#4 ACSR	7.50Y	124.9	0.00	0.06	0.95	1	7	2	96	0.00	0.0	0.240	0.005	0	0	0	2
PD.10556	PL.70496	C	65T	7.50Y	124.9	0.00	0.06	0.95	0	7	2	96	0.00	0.0	0.240	0.005	0	0	0	2
PL.70497	PD.10556	C	#4 ACSR	7.50Y	124.9	0.00	0.06	0.95	1	7	2	96	0.00	0.0	0.286	0.046	7	2	2	2
PL.70492	PL.69318	A	6 A (CWC)	7.50Y	125.0	0.00	0.04	6.75	5	49	13	97	0.00	0.0	0.139	0.004	0	0	0	9
PD.10554	PL.70492	A	65T	7.50Y	125.0	0.00	0.04	6.75	0	49	13	97	0.00	0.0	0.139	0.004	0	0	0	9
PL.70493	PD.10554	A	6 A (CWC)	7.50Y	124.9	0.02	0.05	6.75	5	49	13	97	0.01	0.0	0.201	0.061	11	3	1	9
PL.69320	PL.70493	A	6 A (CWC)	7.50Y	124.9	0.02	0.07	4.60	3	33	9	96	0.00	0.0	0.275	0.074	0	0	0	7
PL.70449	PL.69320	A	6 A (CWC)	7.49Y	124.9	0.02	0.09	4.60	3	33	9	96	0.00	0.0	0.354	0.079	0	0	0	7
PL.70450	PL.70449	A	#4 ACSR	7.49Y	124.9	0.00	0.09	0.13	0	1	0	100	0.00	0.0	0.399	0.045	1	0	1	1
PL.69336	PL.70450	A	#4 ACSR	7.49Y	124.9	0.00	0.09	0.00	0	0	0	100	0.00	0.0	0.418	0.019	0	0	0	0
PL.69337	PL.69336	A	#4 ACSR	7.49Y	124.9	0.00	0.09	0.00	0	0	0	100	0.00	0.0	0.445	0.027	0	0	0	0
PL.69321	PL.70449	A	6 A (CWC)	7.49Y	124.9	0.03	0.12	4.47	3	32	8	97	0.01	0.0	0.513	0.160	0	0	1	6
PL.70451	PL.69321	A	6 A (CWC)	7.49Y	124.9	0.02	0.14	4.45	3	32	8	97	0.01	0.0	0.633	0.119	0	0	0	5
PL.69334	PL.70451	A	6 A (CWC)	7.49Y	124.9	0.00	0.14	4.45	3	32	8	97	0.00	0.0	0.648	0.016	7	2	1	5
PL.69335	PL.69334	A	6 A (CWC)	7.49Y	124.9	0.00	0.15	3.48	2	25	6	97	0.00	0.0	0.674	0.026	0	0	0	4
PL.70490	PL.69335	A	1/0 AL URD	7.49Y	124.9	0.00	0.15	3.48	2	25	6	97	0.00	0.0	0.679	0.004	0	0	0	4
PD.10553	PL.70490	A	40T	7.49Y	124.9	0.00	0.15	3.48	0	25	7	96	0.00	0.0	0.679	0.004	0	0	0	4
PL.70491	PD.10553	A	1/0 AL URD	7.49Y	124.8	0.00	0.15	3.48	2	25	7	96	0.00	0.0	0.713	0.034	0	0	0	4
PD.10552	PL.70491	A	25T	7.49Y	124.8	0.00	0.15	3.48	0	25	7	96	0.00	0.0	0.713	0.034	0	0	0	4
PL.70489	PD.10552	A	1/0 AL URD	7.49Y	124.8	0.00	0.15	3.48	2	25	7	96	0.00	0.0	0.717	0.004	5	1	2	4
PL.70452	PL.70489	A	#2 ACSR	7.49Y	124.8	0.00	0.15	2.73	2	20	5	97	0.00	0.0	0.730	0.013	0	0	0	2
PL.70453	PL.70452	A	#2 ACSR	7.49Y	124.8	0.00	0.16	2.73	2	20	5	97	0.00	0.0	0.774	0.043	0	0	0	2

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

Balanced Voltage Drop Report
Source: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.70455	PL.70453	A	#4 ACSR	7.49Y	124.8	0.01	0.17	2.73	2	20	5	97	0.00	0.0	0.860	0.086	11	3	1	2
PL.70454	PL.70455	A	#1/0 ACSR	7.49Y	124.8	0.00	0.17	1.27	1	9	2	98	0.00	0.0	0.893	0.033	9	2	1	1
PL.70448	PL.70493	A	#4 ACSR	7.50Y	124.9	0.00	0.05	0.57	0	4	1	97	0.00	0.0	0.255	0.055	4	1	1	1
PL.70494	PL.70444	C	#4 ACSR	7.50Y	125.0	0.00	0.03	3.68	3	27	7	97	0.00	0.0	0.101	0.004	0	0	0	6
PD.10555	PL.70494	C	65T	7.50Y	125.0	0.00	0.03	3.68	0	27	7	97	0.00	0.0	0.101	0.004	0	0	0	6
PL.70495	PD.10555	C	#4 ACSR	7.50Y	125.0	0.01	0.04	3.68	3	27	7	97	0.00	0.0	0.163	0.062	0	0	0	6
PL.70445	PL.70495	C	#4 ACSR	7.50Y	125.0	0.00	0.04	2.04	2	15	4	97	0.00	0.0	0.191	0.027	0	0	0	2
PL.70447	PL.70445	C	#4 ACSR	7.50Y	125.0	0.00	0.04	2.04	2	15	4	97	0.00	0.0	0.230	0.040	15	4	2	2
PL.70446	PL.70495	C	#4 ACSR	7.50Y	125.0	0.00	0.04	1.64	1	12	3	97	0.00	0.0	0.214	0.051	12	3	4	4
PL.67910	Tyner	ABC	336 MCM AC	7.50Y	125.0	0.01	0.01	172.19	33	3654	1287	94	0.12	0.0	0.005	0.005	0	0	0	661
PL.72919	PL.67910	ABC	336 MCM AC	7.50Y	125.0	0.00	0.01	172.19	33	3654	1287	94	0.05	0.0	0.007	0.002	0	0	0	661

----- Feeder No. 1 (Gray Hawk F1) Beginning with Device PD.11201 -----

PD.11201	PL.72919	ABC	360VWE	7.50Y	125.0	0.00	0.01	172.19	0	3654	1287	94	0.00	0.0	0.007	0.002	0	0	0	661
PL.72920	PD.11201	ABC	336 MCM AC	7.49Y	124.8	0.14	0.15	172.19	33	3654	1287	94	2.61	0.1	0.111	0.104	0	0	0	661
PL.67771	PL.72920	ABC	336 MCM AC	7.48Y	124.7	0.16	0.32	172.19	33	3651	1281	94	2.93	0.1	0.229	0.117	0	0	0	661
PL.68739	PL.67771	ABC	336 MCM AC	7.47Y	124.6	0.10	0.42	172.19	33	3648	1274	94	1.82	0.0	0.301	0.073	0	0	0	661
PL.68756	PL.68739	ABC	336 MCM AC	7.47Y	124.5	0.08	0.50	171.30	33	3627	1265	94	1.43	0.0	0.359	0.058	0	0	0	659
PL.68757	PL.68756	ABC	336 MCM AC	7.47Y	124.5	0.03	0.52	171.30	33	3626	1261	94	0.49	0.0	0.379	0.020	0	0	0	659
PL.67772	PL.68757	ABC	336 MCM AC	7.47Y	124.4	0.04	0.57	169.20	33	3580	1248	94	0.76	0.0	0.411	0.031	0	0	0	641
PL.68337	PL.67772	ABC	336 MCM AC	7.46Y	124.4	0.03	0.60	169.20	33	3579	1246	94	0.62	0.0	0.436	0.026	13	3	4	641
PL.68338	PL.68337	ABC	336 MCM AC	7.46Y	124.3	0.07	0.67	164.71	32	3481	1219	94	1.23	0.0	0.490	0.054	0	0	0	608
PL.67773	PL.68338	ABC	336 MCM AC	7.45Y	124.2	0.11	0.78	164.18	32	3468	1213	94	1.90	0.1	0.574	0.084	0	0	0	603
PL.67774	PL.67773	ABC	336 MCM AC	7.44Y	124.1	0.16	0.94	163.28	31	3447	1204	94	2.77	0.1	0.698	0.124	0	0	0	600
PL.68620	PL.67774	ABC	336 MCM AC	7.44Y	123.9	0.14	1.08	157.86	30	3327	1166	94	2.24	0.1	0.804	0.107	0	0	0	569
PL.69080	PL.68620	ABC	#1/0 ACSR	7.44Y	123.9	0.00	1.08	4.52	2	98	26	97	0.00	0.0	0.823	0.019	0	0	0	24
PD.10371	PL.69080	ABC	35L	7.44Y	123.9	0.00	1.08	4.52	13	98	26	97	0.00	0.0	0.823	0.019	0	0	0	24
PL.69081	PD.10371	ABC	#1/0 ACSR	7.43Y	123.9	0.01	1.09	4.52	2	98	26	97	0.01	0.0	0.938	0.115	0	0	0	24
PL.68622	PL.69081	ABC	#1/0 ACSR	7.43Y	123.9	0.01	1.10	4.36	2	94	25	97	0.01	0.0	1.037	0.099	0	0	0	23
PL.68623	PL.68622	ABC	#1/0 ACSR	7.43Y	123.9	0.01	1.10	3.88	2	84	22	97	0.00	0.0	1.135	0.097	0	0	0	20

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Balanced Voltage Drop Report
Source: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.68705	PL.68623	ABC	#1/0 ACSR	7.43Y	123.9	0.01	1.11	3.88	2	84	22	97	0.01	0.0	1.273	0.139	0	0	0	20
PL.68624	PL.68705	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.12	3.19	1	69	18	97	0.00	0.0	1.296	0.022	0	0	0	17
PL.68538	PL.68624	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.12	2.86	1	62	16	97	0.00	0.0	1.386	0.090	0	0	1	16
PL.68539	PL.68538	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.12	2.84	1	61	16	97	0.00	0.0	1.446	0.060	2	1	1	15
PL.68625	PL.68539	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.13	2.29	1	49	13	97	0.00	0.0	1.547	0.101	0	0	0	13
PL.68759	PL.68625	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.13	1.24	1	27	7	97	0.00	0.0	1.625	0.078	0	0	0	7
PL.68760	PL.68759	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.13	1.24	1	27	7	97	0.00	0.0	1.733	0.108	4	1	2	7
PL.68626	PL.68760	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.13	0.64	0	14	4	96	0.00	0.0	1.801	0.068	0	0	0	2
PL.69068	PL.68626	ABC	#1/0 ACSR	7.43Y	123.9	0.00	1.13	0.00	0	0	0	100	0.00	0.0	1.844	0.044	0	0	0	0
PD.10364-A	PL.69068	ABC	Open	7.43Y	123.9	0.00	1.13	0.00	0	0	0	100	0.00	0.0	1.844	0.044	0	0	0	0
PL.68892	PL.68626	C	#1/0 ACSR	7.43Y	123.9	0.00	1.13	1.91	1	14	4	96	0.00	0.0	1.805	0.004	0	0	0	2
PD.10270	PL.68892	C	15T	7.43Y	123.9	0.00	1.13	1.91	0	14	4	96	0.00	0.0	1.805	0.004	0	0	0	2
PL.68893	PD.10270	C	#1/0 ACSR	7.43Y	123.9	0.00	1.13	1.91	1	14	4	96	0.00	0.0	1.838	0.034	14	4	2	2
PL.69016	PL.68760	C	#4 ACSR	7.43Y	123.9	0.00	1.13	1.25	1	9	2	98	0.00	0.0	1.737	0.005	0	0	0	3
PD.10312	PL.69016	C	15T	7.43Y	123.9	0.00	1.13	1.25	0	9	2	98	0.00	0.0	1.737	0.005	0	0	0	3
PL.69015	PD.10312	C	#4 ACSR	7.43Y	123.9	0.00	1.13	1.25	1	9	2	98	0.00	0.0	1.785	0.048	9	2	2	3
PL.68761	PL.69015	C	#4 ACSR	7.43Y	123.9	0.00	1.13	0.00	0	0	0	100	0.00	0.0	1.805	0.020	0	0	1	1
PL.68890	PL.68625	A	#4 ACSR	7.43Y	123.9	0.00	1.13	2.06	2	15	4	97	0.00	0.0	1.552	0.005	0	0	0	5
PD.10269	PL.68890	A	15T	7.43Y	123.9	0.00	1.13	2.06	0	15	4	97	0.00	0.0	1.552	0.005	0	0	0	5
PL.68891	PD.10269	A	#4 ACSR	7.43Y	123.9	0.00	1.13	2.06	2	15	4	97	0.00	0.0	1.587	0.035	15	4	4	5
PL.68758	PL.68891	A	#4 ACSR	7.43Y	123.9	0.00	1.13	0.00	0	0	0	100	0.00	0.0	1.620	0.033	0	0	1	1
PL.69013	PL.68625	C	#4 ACSR	7.43Y	123.9	0.00	1.13	1.08	1	8	2	97	0.00	0.0	1.552	0.005	0	0	0	1
PD.10311	PL.69013	C	15T	7.43Y	123.9	0.00	1.13	1.08	0	8	2	97	0.00	0.0	1.552	0.005	0	0	0	1
PL.69014	PD.10311	C	#4 ACSR	7.43Y	123.9	0.00	1.13	1.08	1	8	2	97	0.00	0.0	1.583	0.031	8	2	1	1
PL.69011	PL.68539	C	#4 ACSR	7.43Y	123.9	0.00	1.12	1.32	1	10	3	96	0.00	0.0	1.451	0.005	0	0	0	1
PD.10310	PL.69011	C	15T	7.43Y	123.9	0.00	1.12	1.32	0	10	3	96	0.00	0.0	1.451	0.005	0	0	0	1
PL.69012	PD.10310	C	#4 ACSR	7.43Y	123.9	0.00	1.13	1.32	1	10	3	96	0.00	0.0	1.531	0.080	10	3	1	1
PL.69009	PL.68624	C	#4 ACSR	7.43Y	123.9	0.00	1.12	1.00	1	7	2	96	0.00	0.0	1.300	0.005	0	0	0	1
PD.10309	PL.69009	C	15T	7.43Y	123.9	0.00	1.12	1.00	0	7	2	96	0.00	0.0	1.300	0.005	0	0	0	1
PL.69010	PD.10309	C	#4 ACSR	7.43Y	123.9	0.00	1.12	1.00	1	7	2	96	0.00	0.0	1.318	0.018	7	2	1	1
PL.69007	PL.68705	A	#4 ACSR	7.43Y	123.9	0.00	1.11	0.94	1	7	2	96	0.00	0.0	1.278	0.005	0	0	0	2

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Balanced Voltage Drop Report
Source: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.10308	PL.69007	A	15T	7.43Y	123.9	0.00	1.11	0.94	0	7	2	96	0.00	0.0	1.278	0.005	0	0	0	2
PL.69008	PD.10308	A	#4 ACSR	7.43Y	123.9	0.00	1.12	0.94	1	7	2	96	0.00	0.0	1.315	0.037	4	1	1	2
PL.68762	PL.69008	A	#4 ACSR	7.43Y	123.9	0.00	1.12	0.41	0	3	1	95	0.00	0.0	1.344	0.028	3	1	1	1
PL.69006	PL.68705	A	#4 ACSR	7.43Y	123.9	0.00	1.11	1.12	1	8	2	97	0.00	0.0	1.278	0.005	0	0	0	1
PD.10307	PL.69006	A	15T	7.43Y	123.9	0.00	1.11	1.12	0	8	2	97	0.00	0.0	1.278	0.005	0	0	0	1
PL.69005	PD.10307	A	#4 ACSR	7.43Y	123.9	0.00	1.12	1.12	1	8	2	97	0.00	0.0	1.382	0.104	8	2	1	1
PL.69003	PL.68622	A	#1/0 ACSR	7.43Y	123.9	0.00	1.10	1.43	1	10	3	96	0.00	0.0	1.042	0.005	0	0	0	3
PD.10306	PL.69003	A	15T	7.43Y	123.9	0.00	1.10	1.43	0	10	3	96	0.00	0.0	1.042	0.005	0	0	0	3
PL.69004	PD.10306	A	#1/0 ACSR	7.43Y	123.9	0.00	1.10	1.43	1	10	3	96	0.00	0.0	1.053	0.011	5	1	1	3
PL.68763	PL.69004	A	#1/0 ACSR	7.43Y	123.9	0.00	1.10	0.73	0	5	1	98	0.00	0.0	1.092	0.040	5	1	2	2
PL.68888	PL.69081	A	#1/0 ACSR	7.43Y	123.9	0.00	1.09	0.49	0	4	1	97	0.00	0.0	0.942	0.004	0	0	0	1
PD.10268	PL.68888	A	15T	7.43Y	123.9	0.00	1.09	0.49	0	4	1	97	0.00	0.0	0.942	0.004	0	0	0	1
PL.68889	PD.10268	A	#1/0 ACSR	7.43Y	123.9	0.00	1.09	0.49	0	4	1	97	0.00	0.0	1.000	0.058	4	1	1	1
PL.68352	PL.68620	ABC	336 MCM AC	7.43Y	123.8	0.07	1.15	153.35	30	3227	1135	94	1.13	0.0	0.862	0.057	0	0	0	545
PL.68774	PL.68352	ABC	336 MCM AC	7.42Y	123.7	0.13	1.28	153.10	29	3220	1131	94	2.07	0.1	0.967	0.105	8	2	1	543
PL.68775	PL.68774	ABC	336 MCM AC	7.42Y	123.6	0.09	1.37	152.73	29	3210	1124	94	1.44	0.0	1.040	0.073	0	0	0	542
PL.69017	PL.68775	A	#4 ACSR	7.42Y	123.6	0.00	1.37	3.63	3	26	7	97	0.00	0.0	1.044	0.005	0	0	0	8
PD.10313	PL.69017	A	65T	7.42Y	123.6	0.00	1.37	3.63	0	26	7	97	0.00	0.0	1.044	0.005	0	0	0	8
PL.69018	PD.10313	A	#4 ACSR	7.42Y	123.6	0.00	1.37	3.63	3	26	7	97	0.00	0.0	1.062	0.017	8	2	2	8
PL.68627	PL.69018	A	#4 ACSR	7.42Y	123.6	0.00	1.37	0.01	0	0	0	100	0.00	0.0	1.083	0.021	0	0	2	2
PL.68776	PL.69018	A	#4 ACSR	7.42Y	123.6	0.00	1.37	2.53	2	18	5	96	0.00	0.0	1.096	0.034	12	3	3	4
PL.68777	PL.68776	A	#4 ACSR	7.42Y	123.6	0.00	1.38	0.86	1	6	2	95	0.00	0.0	1.138	0.042	6	2	1	1
PL.68628	PL.68775	ABC	336 MCM AC	7.41Y	123.5	0.11	1.48	151.52	29	3183	1114	94	1.82	0.1	1.134	0.094	0	0	0	534
PL.68451	PL.68628	ABC	336 MCM AC	7.41Y	123.5	0.04	1.52	151.52	29	3181	1110	94	0.57	0.0	1.164	0.030	0	0	0	534
PL.69058	PL.68451	ABC	#4 ACSR	7.41Y	123.5	0.02	1.54	23.58	18	475	221	91	0.10	0.0	1.190	0.027	0	0	0	11
PD.10357	PL.69058	ABC	65T	7.41Y	123.5	0.00	1.54	23.58	0	475	221	91	0.00	0.0	1.190	0.027	0	0	0	11
PL.69059	PD.10357	ABC	#4 ACSR	7.41Y	123.4	0.03	1.57	23.58	18	475	221	91	0.11	0.0	1.220	0.029	0	0	0	11
PL.68882	PL.69059	A	#1/0 ACSR	7.41Y	123.4	0.00	1.57	5.34	2	38	10	97	0.00	0.0	1.224	0.005	0	0	0	8
PD.10264	PL.68882	A	40T	7.41Y	123.4	0.00	1.57	5.34	0	38	10	97	0.00	0.0	1.224	0.005	0	0	0	8
PL.68883	PD.10264	A	#1/0 ACSR	7.41Y	123.4	0.00	1.57	5.34	2	38	10	97	0.00	0.0	1.234	0.009	0	0	0	8
PL.68745	PL.68883	A	#4 ACSR	7.40Y	123.4	0.02	1.59	5.34	4	38	10	97	0.01	0.0	1.323	0.090	6	2	1	8

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Balanced Voltage Drop Report
Source: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.68746	PL.68745	A	#4 ACSR	7.40Y	123.4	0.01	1.60	4.49	3	32	8	97	0.00	0.0	1.388	0.065	0	0	0	7
PL.68358	PL.68746	A	#4 ACSR	7.40Y	123.4	0.00	1.60	4.49	3	32	8	97	0.00	0.0	1.400	0.011	27	7	6	7
PL.68357	PL.68358	A	#4 ACSR	7.40Y	123.4	0.00	1.61	0.74	1	5	1	98	0.00	0.0	1.471	0.071	5	1	1	1
PL.68353	PL.69059	ABC	#1/0 ACSR	7.41Y	123.4	0.00	1.57	14.06	6	281	136	90	0.01	0.0	1.248	0.028	279	135	1	2
PL.68354	PL.68353	B	#4 ACSR	7.41Y	123.4	0.00	1.57	0.40	0	3	1	95	0.00	0.0	1.260	0.012	3	1	1	1
PL.68747	PL.69059	ABC	#4 ACSR	7.41Y	123.4	0.01	1.58	7.77	6	155	75	90	0.02	0.0	1.267	0.047	0	0	0	1
PL.68748	PL.68747	ABC	#4 ACSR	7.40Y	123.4	0.01	1.59	7.77	6	155	75	90	0.01	0.0	1.338	0.071	155	75	1	1
PL.68452	PL.68451	ABC	336 MCM AC	7.41Y	123.4	0.04	1.56	128.08	25	2705	887	95	0.62	0.0	1.208	0.045	0	0	0	523
PL.68356	PL.68452	ABC	#1/0 ACSR	7.41Y	123.4	0.00	1.56	1.94	1	39	19	90	0.00	0.0	1.230	0.022	39	19	1	1
PL.68355	PL.68452	ABC	336 MCM AC	7.40Y	123.3	0.13	1.70	126.15	24	2665	867	95	1.80	0.1	1.342	0.134	0	0	0	522
PL.68359	PL.68355	ABC	336 MCM AC	7.40Y	123.3	0.05	1.74	126.15	24	2664	863	95	0.62	0.0	1.389	0.046	0	0	0	522
PL.68629	PL.68359	ABC	336 MCM AC	7.39Y	123.1	0.14	1.89	125.80	24	2656	859	95	1.95	0.1	1.535	0.146	0	0	0	521
PL.68706	PL.68629	ABC	336 MCM AC	7.38Y	123.0	0.11	1.99	125.80	24	2654	855	95	1.45	0.1	1.643	0.109	0	0	0	521
PL.68707	PL.68706	ABC	336 MCM AC	7.38Y	123.0	0.05	2.04	125.80	24	2652	851	95	0.71	0.0	1.697	0.053	0	0	0	521
PL.69076	PL.68707	A	#1/0 ACSR	7.38Y	123.0	0.00	2.05	21.88	10	156	41	97	0.00	0.0	1.699	0.003	0	0	0	32
PD.10368	PL.69076	A	50L	7.38Y	123.0	0.00	2.05	21.88	44	156	41	97	0.00	0.0	1.699	0.003	0	0	0	32
PL.69077	PD.10368	A	#1/0 ACSR	7.38Y	122.9	0.03	2.07	21.88	10	156	41	97	0.03	0.0	1.754	0.054	0	0	0	32
PL.68362	PL.69077	A	#4 ACSR	7.37Y	122.8	0.11	2.18	21.64	17	154	41	97	0.13	0.1	1.866	0.112	0	0	0	30
PL.68453	PL.68362	A	#4 ACSR	7.36Y	122.7	0.17	2.35	21.64	17	154	41	97	0.19	0.1	2.038	0.172	0	0	0	30
PL.68630	PL.68453	A	#4 ACSR	7.36Y	122.6	0.05	2.40	21.11	16	150	40	97	0.06	0.0	2.093	0.056	0	0	0	28
PL.68631	PL.68630	A	#4 ACSR	7.35Y	122.5	0.09	2.49	19.89	15	141	37	97	0.10	0.1	2.200	0.107	6	1	1	26
PL.68459	PL.68631	A	#4 ACSR	7.35Y	122.4	0.07	2.56	17.55	13	125	33	97	0.07	0.1	2.291	0.091	0	0	0	21
PL.68460	PL.68459	A	6 A (CWC)	7.34Y	122.4	0.04	2.60	8.60	6	61	16	97	0.02	0.0	2.390	0.099	0	0	0	12
PL.68708	PL.68460	A	6 A (CWC)	7.34Y	122.4	0.03	2.64	8.60	6	61	16	97	0.02	0.0	2.488	0.097	10	3	2	12
PL.68466	PL.68708	A	6 A (CWC)	7.34Y	122.3	0.03	2.67	5.58	4	40	10	97	0.01	0.0	2.624	0.136	0	0	0	9
PL.68709	PL.68466	A	6 A (CWC)	7.34Y	122.3	0.03	2.70	5.58	4	40	10	97	0.01	0.0	2.752	0.128	0	0	0	9
PL.68632	PL.68709	A	6 A (CWC)	7.34Y	122.3	0.01	2.71	4.33	3	31	8	97	0.00	0.0	2.806	0.055	2	1	1	7
PL.68633	PL.68632	A	6 A (CWC)	7.34Y	122.3	0.01	2.72	1.79	1	13	3	97	0.00	0.0	2.917	0.111	0	0	0	2
PL.68472	PL.68633	A	6 A (CWC)	7.34Y	122.3	0.00	2.72	0.00	0	0	0	100	0.00	0.0	2.959	0.041	0	0	0	0
PD.11609-B	PL.68472	A	Open	7.34Y	122.3	0.00	2.72	0.00	0	0	0	100	0.00	0.0	2.959	0.041	0	0	0	0
PL.68471	PL.68633	A	6 A (CWC)	7.34Y	122.3	0.00	2.73	1.79	1	13	3	97	0.00	0.0	2.966	0.049	7	2	1	2

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Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.68470	PL.68471	A	#1/0 ACSR	7.34Y	122.3	0.00	2.73	0.78	0	6	1	99	0.00	0.0	3.008	0.042	6	1	1	1
PL.68469	PL.68632	A	#4 ACSR	7.34Y	122.3	0.01	2.72	2.24	2	16	4	97	0.00	0.0	2.875	0.069	7	2	2	4
PL.68816	PL.68469	A	#1/0 ACSR	7.34Y	122.3	0.00	2.72	1.28	1	9	2	98	0.00	0.0	2.938	0.063	5	1	1	2
PL.68817	PL.68816	A	#1/0 ACSR	7.34Y	122.3	0.00	2.72	0.51	0	4	1	97	0.00	0.0	2.970	0.032	4	1	1	1
PL.68468	PL.68709	A	6 A (CWC)	7.34Y	122.3	0.00	2.71	0.94	1	7	2	96	0.00	0.0	2.850	0.098	7	2	1	1
PL.68467	PL.68709	A	6 A (CWC)	7.34Y	122.3	0.00	2.70	0.31	0	2	1	89	0.00	0.0	2.807	0.055	2	1	1	1
PL.68465	PL.68708	A	6 A (CWC)	7.34Y	122.4	0.00	2.64	1.58	1	11	3	96	0.00	0.0	2.541	0.053	11	3	1	1
PL.68824	PL.68459	A	#4 ACSR	7.35Y	122.4	0.02	2.58	7.12	5	51	13	97	0.01	0.0	2.363	0.072	8	2	1	8
PL.68825	PL.68824	A	#4 ACSR	7.34Y	122.4	0.02	2.60	6.03	5	43	11	97	0.01	0.0	2.448	0.085	10	3	1	7
PL.68461	PL.68825	A	6 A (CWC)	7.34Y	122.4	0.03	2.64	4.68	3	33	9	96	0.01	0.0	2.603	0.155	0	0	0	6
PL.68634	PL.68461	A	6 A (CWC)	7.34Y	122.4	0.00	2.64	1.10	1	8	2	97	0.00	0.0	2.680	0.078	8	2	1	1
PL.68462	PL.68461	A	6 A (CWC)	7.34Y	122.4	0.00	2.64	1.30	1	9	2	98	0.00	0.0	2.675	0.073	9	2	1	1
PL.68463	PL.68461	A	#4 ACSR	7.34Y	122.4	0.00	2.64	0.81	1	6	2	95	0.00	0.0	2.662	0.059	6	2	3	3
PL.68464	PL.68461	A	#4 ACSR	7.34Y	122.4	0.00	2.64	1.48	1	10	3	96	0.00	0.0	2.637	0.034	10	3	1	1
PL.68458	PL.68459	A	6 A (CWC)	7.35Y	122.4	0.00	2.57	1.83	1	13	3	97	0.00	0.0	2.373	0.082	13	3	1	1
PL.68457	PL.68631	A	#4 ACSR	7.35Y	122.5	0.00	2.49	1.56	1	11	3	96	0.00	0.0	2.245	0.045	1	0	1	4
PL.68826	PL.68457	A	#1/0 ACSR	7.35Y	122.5	0.00	2.50	1.38	1	10	3	96	0.00	0.0	2.322	0.077	4	1	2	3
PL.68827	PL.68826	A	#1/0 ACSR	7.35Y	122.5	0.00	2.50	0.89	0	6	2	95	0.00	0.0	2.411	0.089	6	2	1	1
PL.68456	PL.68630	A	6 A (CWC)	7.36Y	122.6	0.00	2.40	1.22	1	9	2	98	0.00	0.0	2.159	0.065	9	2	2	2
PL.68454	PL.68453	A	#4 ACSR	7.36Y	122.7	0.00	2.35	0.54	0	4	1	97	0.00	0.0	2.108	0.070	4	1	1	2
PL.68455	PL.68454	A	#1/0 ACSR	7.36Y	122.7	0.00	2.35	0.01	0	0	0	100	0.00	0.0	2.143	0.035	0	0	1	1
PL.68361	PL.69077	A	#4 ACSR	7.38Y	122.9	0.00	2.07	0.24	0	2	0	100	0.00	0.0	1.869	0.115	2	0	2	2
PL.68635	PL.68707	ABC	336 MCM AC	7.37Y	122.9	0.05	2.09	118.37	23	2492	807	95	0.62	0.0	1.749	0.053	0	0	0	488
PL.68360	PL.68635	ABC	336 MCM AC	7.37Y	122.8	0.10	2.19	118.37	23	2492	806	95	1.21	0.0	1.852	0.103	0	0	1	488
PL.68636	PL.68360	ABC	336 MCM AC	7.36Y	122.7	0.15	2.34	118.08	23	2484	801	95	1.88	0.1	2.013	0.160	0	0	0	486
PL.68364	PL.68636	ABC	336 MCM AC	7.35Y	122.6	0.10	2.44	118.08	23	2482	797	95	1.27	0.1	2.121	0.108	0	0	0	486
PL.68710	PL.68364	ABC	336 MCM AC	7.35Y	122.4	0.12	2.56	118.08	23	2481	794	95	1.56	0.1	2.254	0.133	9	2	2	486
PL.68637	PL.68710	ABC	336 MCM AC	7.34Y	122.4	0.06	2.62	109.39	21	2295	738	95	0.72	0.0	2.325	0.071	0	0	0	444
PL.68366	PL.68637	ABC	336 MCM AC	7.34Y	122.3	0.10	2.72	109.39	21	2294	737	95	1.16	0.1	2.441	0.115	7	2	1	444
PL.68646	PL.68366	ABC	336 MCM AC	7.33Y	122.2	0.07	2.78	94.49	18	1976	650	95	0.68	0.0	2.531	0.090	0	0	0	380
PL.68712	PL.68646	ABC	336 MCM AC	7.33Y	122.1	0.08	2.87	94.49	18	1975	648	95	0.83	0.0	2.641	0.111	0	0	0	380

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.68394	PL.68712	ABC	336 MCM AC	7.32Y	122.1	0.08	2.94	94.49	18	1974	646	95	0.78	0.0	2.745	0.104	0	0	0	380
PL.68713	PL.68394	ABC	336 MCM AC	7.32Y	122.0	0.09	3.04	94.49	18	1973	645	95	0.95	0.0	2.871	0.126	0	0	0	380
PL.68714	PL.68713	ABC	336 MCM AC	7.31Y	121.9	0.06	3.10	94.49	18	1973	642	95	0.66	0.0	2.959	0.087	0	0	0	380
PL.68898	PL.68714	A	#1/0 ACSR	7.31Y	121.9	0.00	3.10	0.00	0	0	0	100	0.00	0.0	2.963	0.005	0	0	0	1
PD.10322	PL.68898	A	65T	7.31Y	121.9	0.00	3.10	0.00	0	0	0	100	0.00	0.0	2.963	0.005	0	0	0	1
PL.68899	PD.10322	A	#1/0 ACSR	7.31Y	121.9	0.00	3.10	0.00	0	0	0	100	0.00	0.0	3.012	0.049	0	0	1	1
PL.68652	PL.68714	ABC	336 MCM AC	7.31Y	121.8	0.08	3.18	78.41	15	1650	486	96	0.67	0.0	3.089	0.130	7	2	1	377
PL.68900	PL.68652	C	#1/0 ACSR	7.31Y	121.8	0.00	3.18	1.11	0	8	2	97	0.00	0.0	3.094	0.005	0	0	0	1
PD.10323	PL.68900	C	65T	7.31Y	121.8	0.00	3.18	1.11	0	8	2	97	0.00	0.0	3.094	0.005	0	0	0	1
PL.68901	PD.10323	C	#1/0 ACSR	7.31Y	121.8	0.00	3.18	1.11	0	8	2	97	0.00	0.0	3.127	0.033	8	2	1	1
PL.68654	PL.68652	ABC	336 MCM AC	7.31Y	121.8	0.07	3.25	77.70	15	1635	481	96	0.59	0.0	3.205	0.116	0	0	0	375
PL.68715	PL.68654	ABC	336 MCM AC	7.30Y	121.7	0.05	3.30	77.70	15	1634	480	96	0.47	0.0	3.297	0.092	0	0	0	375
PL.68716	PL.68715	ABC	336 MCM AC	7.30Y	121.6	0.05	3.35	77.70	15	1634	478	96	0.44	0.0	3.384	0.087	0	0	0	375
PL.68397	PL.68716	ABC	336 MCM AC	7.30Y	121.6	0.01	3.36	77.70	15	1633	477	96	0.11	0.0	3.406	0.021	0	0	0	375
PL.68655	PL.68397	ABC	336 MCM AC	7.29Y	121.6	0.08	3.45	75.64	15	1589	466	96	0.69	0.0	3.548	0.143	0	0	0	365
PL.68787	PL.68655	ABC	336 MCM AC	7.29Y	121.5	0.04	3.49	70.98	14	1490	438	96	0.32	0.0	3.623	0.074	1	0	1	337
PL.68788	PL.68787	ABC	336 MCM AC	7.29Y	121.5	0.02	3.51	70.94	14	1489	437	96	0.16	0.0	3.661	0.038	0	0	0	336
PL.68878	PL.68788	ABC	336 MCM AC	7.29Y	121.4	0.06	3.56	70.31	14	1475	433	96	0.44	0.0	3.767	0.107	19	9	1	330
PL.68879	PL.68878	ABC	336 MCM AC	7.28Y	121.4	0.05	3.61	69.35	13	1456	423	96	0.35	0.0	3.854	0.087	1	0	3	329
PL.68791	PL.68879	ABC	336 MCM AC	7.28Y	121.4	0.03	3.64	69.31	13	1455	422	96	0.23	0.0	3.912	0.058	0	0	0	326
PL.69086	PL.68791	ABC	336 MCM AC	7.28Y	121.3	0.03	3.67	69.19	13	1452	421	96	0.23	0.0	3.970	0.058	0	0	0	325
PL.69087	PL.69086	ABC	336 MCM AC	7.28Y	121.3	0.02	3.69	69.19	13	1451	420	96	0.14	0.0	4.006	0.036	0	0	0	325
PL.68411	PL.69087	ABC	336 MCM AC	7.28Y	121.3	0.04	3.72	68.48	13	1436	416	96	0.29	0.0	4.078	0.073	2	1	2	324
PL.69070	PL.68411	ABC	336 MCM AC	7.28Y	121.3	0.02	3.75	64.56	12	1358	379	96	0.18	0.0	4.130	0.052	0	0	0	320
PD.10365-A	PL.69070	ABC	Closed	7.28Y	121.3	0.00	3.75	64.56	0	1357	378	96	0.00	0.0	4.130	0.052	0	0	0	320
PD.10365-B	PD.10365-A	ABC	Closed	7.28Y	121.3	0.00	3.75	64.56	0	1357	378	96	0.00	0.0	4.130	0.052	0	0	0	320
PL.69071	PD.10365-B	ABC	336 MCM AC	7.27Y	121.2	0.00	3.75	64.56	12	1357	378	96	0.02	0.0	4.135	0.005	0	0	0	320
PL.68704	PL.69071	ABC	336 MCM AC	7.27Y	121.2	0.00	3.75	0.00	0	0	0	100	0.00	0.0	4.140	0.005	0	0	0	0
PD.6125-B	PL.68704	ABC	Open	7.27Y	121.2	0.00	3.75	0.00	0	0	0	100	0.00	0.0	4.140	0.005	0	0	0	0
PL.68793	PL.69071	C	6 A (CWC)	7.27Y	121.2	0.01	3.77	8.92	6	63	17	97	0.01	0.0	4.174	0.039	10	3	4	15
PL.68943	PL.68793	C	6 A (CWC)	7.27Y	121.2	0.00	3.77	7.54	5	53	14	97	0.00	0.0	4.178	0.005	0	0	0	11

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Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.10274	PL.68943	C	65T	7.27Y	121.2	0.00	3.77	7.54	0	53	14	97	0.00	0.0	4.178	0.005	0	0	0	11
PL.68944	PD.10274	C	6 A (CWC)	7.27Y	121.2	0.02	3.78	7.54	5	53	14	97	0.01	0.0	4.240	0.062	21	5	2	11
PL.68794	PL.68944	C	6 A (CWC)	7.27Y	121.2	0.02	3.80	4.61	3	32	9	96	0.00	0.0	4.336	0.096	8	2	1	9
PL.68731	PL.68794	C	6 A (CWC)	7.27Y	121.2	0.00	3.80	1.34	1	9	2	98	0.00	0.0	4.361	0.025	0	0	0	2
PL.68412	PL.68731	C	6 A (CWC)	7.27Y	121.2	0.00	3.81	1.34	1	9	2	98	0.00	0.0	4.446	0.086	5	1	1	2
PL.68416	PL.68412	C	#4 ACSR	7.27Y	121.2	0.00	3.81	0.65	1	5	1	98	0.00	0.0	4.481	0.035	5	1	1	1
PL.68413	PL.68794	C	6 A (CWC)	7.27Y	121.2	0.01	3.81	2.15	2	15	4	97	0.00	0.0	4.400	0.064	1	0	1	6
PL.68415	PL.68413	C	6 A (CWC)	7.27Y	121.2	0.00	3.81	1.95	1	14	4	96	0.00	0.0	4.421	0.021	0	0	0	5
PL.68795	PL.68415	C	6 A (CWC)	7.27Y	121.2	0.00	3.81	0.88	1	6	2	95	0.00	0.0	4.439	0.018	0	0	1	2
PL.68796	PL.68795	C	6 A (CWC)	7.27Y	121.2	0.00	3.81	0.88	1	6	2	95	0.00	0.0	4.474	0.035	6	2	1	1
PL.68945	PL.68415	C	#1/0 ACSR	7.27Y	121.2	0.00	3.81	1.07	0	7	2	96	0.00	0.0	4.440	0.019	0	0	0	3
PD.10275	PL.68945	C	40T	7.27Y	121.2	0.00	3.81	1.07	0	7	2	96	0.00	0.0	4.440	0.019	0	0	0	3
PL.68946	PD.10275	C	#1/0 ACSR	7.27Y	121.2	0.00	3.81	1.07	0	7	2	96	0.00	0.0	4.565	0.126	7	2	3	3
PL.69072	PL.69071	ABC	336 MCM AC	7.27Y	121.2	0.00	3.75	61.59	12	1295	362	96	0.01	0.0	4.139	0.005	0	0	0	305
PD.10366-A	PL.69072	ABC	Closed	7.27Y	121.2	0.00	3.75	61.59	0	1295	362	96	0.00	0.0	4.139	0.005	0	0	0	305
PD.10366-B	PD.10366-A	ABC	Closed	7.27Y	121.2	0.00	3.75	61.59	0	1295	362	96	0.00	0.0	4.139	0.005	0	0	0	305
PL.69073	PD.10366-B	ABC	336 MCM AC	7.27Y	121.2	0.01	3.76	61.59	12	1295	362	96	0.08	0.0	4.163	0.024	4	1	2	305
PL.68792	PL.69073	ABC	336 MCM AC	7.27Y	121.2	0.04	3.80	61.42	12	1291	361	96	0.27	0.0	4.247	0.084	0	0	0	303
PL.68662	PL.68792	ABC	336 MCM AC	7.27Y	121.2	0.03	3.83	60.53	12	1272	355	96	0.19	0.0	4.308	0.060	0	0	0	301
PL.68417	PL.68662	ABC	336 MCM AC	7.27Y	121.1	0.04	3.87	60.53	12	1272	355	96	0.27	0.0	4.395	0.087	0	0	0	301
PL.68914	PL.68417	C	#1/0 ACSR	7.27Y	121.1	0.00	3.87	2.33	1	16	4	97	0.00	0.0	4.400	0.005	0	0	0	2
PD.10330	PL.68914	C	20T	7.27Y	121.1	0.00	3.87	2.33	0	16	4	97	0.00	0.0	4.400	0.005	0	0	0	2
PL.68915	PD.10330	C	#1/0 ACSR	7.27Y	121.1	0.00	3.87	2.33	1	16	4	97	0.00	0.0	4.410	0.010	12	3	1	2
PL.68797	PL.68915	C	#1/0 ACSR	7.27Y	121.1	0.00	3.87	0.68	0	5	1	98	0.00	0.0	4.514	0.104	5	1	1	1
PL.68664	PL.68417	ABC	336 MCM AC	7.27Y	121.1	0.03	3.90	58.70	11	1233	344	96	0.19	0.0	4.461	0.066	0	0	0	293
PL.68916	PL.68664	A	#4 ACSR	7.27Y	121.1	0.00	3.90	1.42	1	10	3	96	0.00	0.0	4.466	0.005	0	0	0	1
PD.10331	PL.68916	A	65T	7.27Y	121.1	0.00	3.90	1.42	0	10	3	96	0.00	0.0	4.466	0.005	0	0	0	1
PL.68917	PD.10331	A	#4 ACSR	7.27Y	121.1	0.00	3.90	1.42	1	10	3	96	0.00	0.0	4.500	0.034	10	3	1	1
PL.68666	PL.68664	ABC	336 MCM AC	7.26Y	121.1	0.02	3.92	58.22	11	1223	341	96	0.15	0.0	4.513	0.052	0	0	0	292
PL.68422	PL.68666	ABC	#4 ACSR	7.26Y	121.1	0.00	3.92	0.47	0	10	3	96	0.00	0.0	4.532	0.018	9	2	2	4
PL.68918	PL.68422	A	#4 ACSR	7.26Y	121.1	0.00	3.92	0.09	0	1	0	100	0.00	0.0	4.536	0.005	0	0	0	2

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

Balanced Voltage Drop Report
Source: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.10332	PL.68918	A	65T	7.26Y	121.1	0.00	3.92	0.09	0	1	0	100	0.00	0.0	4.536	0.005	0	0	0	2
PL.68919	PD.10332	A	#4 ACSR	7.26Y	121.1	0.00	3.92	0.09	0	1	0	100	0.00	0.0	4.553	0.016	1	0	2	2
PL.69064	PL.68666	ABC	#4 ACSR	7.26Y	121.1	0.00	3.92	0.47	0	10	3	96	0.00	0.0	4.518	0.005	0	0	0	2
PD.10361	PL.69064	ABC	65T	7.26Y	121.1	0.00	3.92	0.47	0	10	3	96	0.00	0.0	4.518	0.005	0	0	0	2
PL.69065	PD.10361	ABC	#4 ACSR	7.26Y	121.1	0.00	3.92	0.47	0	10	3	96	0.00	0.0	4.548	0.030	9	2	1	2
PL.68516	PL.69065	ABC	#4 ACSR	7.26Y	121.1	0.00	3.92	0.07	0	1	1	71	0.00	0.0	4.575	0.026	0	0	0	1
PL.68424	PL.68516	ABC	#4 ACSR	7.26Y	121.1	0.00	3.92	0.07	0	1	1	71	0.00	0.0	4.690	0.115	1	1	1	1
PL.68423	PL.68666	ABC	336 MCM AC	7.26Y	121.1	0.02	3.94	57.28	11	1203	335	96	0.15	0.0	4.568	0.055	0	0	0	286
PL.68667	PL.68423	ABC	336 MCM AC	7.26Y	121.0	0.02	3.96	55.38	11	1162	324	96	0.10	0.0	4.608	0.041	1	0	1	276
PL.68668	PL.68667	ABC	336 MCM AC	7.26Y	121.0	0.01	3.97	54.39	10	1142	318	96	0.08	0.0	4.641	0.033	0	0	0	268
PL.68670	PL.68668	ABC	336 MCM AC	7.26Y	121.0	0.03	4.00	36.69	7	769	219	96	0.12	0.0	4.751	0.110	0	0	0	179
PL.68525	PL.68670	ABC	336 MCM AC	7.26Y	121.0	0.00	4.01	3.37	1	71	19	97	0.00	0.0	4.859	0.108	5	1	2	16
PL.68526	PL.68525	ABC	336 MCM AC	7.26Y	121.0	0.00	4.01	3.13	1	66	17	97	0.00	0.0	4.914	0.055	0	0	0	14
PL.68681	PL.68526	ABC	336 MCM AC	7.26Y	121.0	0.00	4.01	2.61	1	55	15	96	0.00	0.0	4.939	0.026	0	0	0	13
PL.68527	PL.68681	ABC	336 MCM AC	7.26Y	121.0	0.00	4.01	1.83	0	39	10	97	0.00	0.0	4.981	0.042	3	1	1	10
PL.68528	PL.68527	ABC	336 MCM AC	7.26Y	121.0	0.00	4.01	1.71	0	36	10	96	0.00	0.0	5.004	0.023	8	2	1	9
PL.68529	PL.68528	ABC	336 MCM AC	7.26Y	121.0	0.00	4.01	1.34	0	28	7	97	0.00	0.0	5.039	0.035	0	0	0	8
PL.69066	PL.68529	ABC	336 MCM AC	7.26Y	121.0	0.00	4.01	0.00	0	0	0	100	0.00	0.0	5.073	0.034	0	0	0	0
PD.10362-A	PL.69066	ABC	Open	7.26Y	121.0	0.00	4.01	0.00	0	0	0	100	0.00	0.0	5.073	0.034	0	0	0	0
PL.69048	PL.68529	A	#4 ACSR	7.26Y	121.0	0.00	4.01	1.17	1	8	2	97	0.00	0.0	5.044	0.005	0	0	0	1
PD.10352	PL.69048	A	65T	7.26Y	121.0	0.00	4.01	1.17	0	8	2	97	0.00	0.0	5.044	0.005	0	0	0	1
PL.69049	PD.10352	A	#4 ACSR	7.26Y	121.0	0.00	4.01	1.17	1	8	2	97	0.00	0.0	5.071	0.028	8	2	1	1
PL.69050	PL.68529	C	#1/0 ACSR	7.26Y	121.0	0.00	4.01	2.83	1	20	5	97	0.00	0.0	5.045	0.006	0	0	0	7
PD.10353	PL.69050	C	65T	7.26Y	121.0	0.00	4.01	2.83	0	20	5	97	0.00	0.0	5.045	0.006	0	0	0	7
PL.69051	PD.10353	C	#1/0 ACSR	7.26Y	121.0	0.00	4.01	2.83	1	20	5	97	0.00	0.0	5.066	0.021	6	2	2	7
PL.68847	PL.69051	C	#1/0 ACSR	7.26Y	121.0	0.00	4.01	1.92	1	13	4	96	0.00	0.0	5.142	0.076	7	2	3	5
PL.68530	PL.68847	C	#1/0 ACSR	7.26Y	121.0	0.00	4.01	0.94	0	7	2	96	0.00	0.0	5.228	0.087	7	2	2	2
PL.69046	PL.68681	C	#1/0 ACSR	7.26Y	121.0	0.00	4.01	1.28	1	9	2	98	0.00	0.0	4.944	0.005	0	0	0	2
PD.10351	PL.69046	C	65T	7.26Y	121.0	0.00	4.01	1.28	0	9	2	98	0.00	0.0	4.944	0.005	0	0	0	2
PL.69047	PD.10351	C	#1/0 ACSR	7.26Y	121.0	0.00	4.01	1.28	1	9	2	98	0.00	0.0	4.960	0.016	0	0	1	2
PL.68449	PL.69047	C	#4 ACSR	7.26Y	121.0	0.00	4.01	1.28	1	9	2	98	0.00	0.0	5.015	0.055	0	0	0	1

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Balanced Voltage Drop Report
Source: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.68682	PL.68449	C	#4 ACSR	7.26Y	121.0	0.00	4.01	0.00	0	0	0	100	0.00	0.0	5.061	0.047	0	0	0	0
PL.68496	PL.68682	C	#4 ACSR	7.26Y	121.0	0.00	4.01	0.00	0	0	0	100	0.00	0.0	5.177	0.116	0	0	0	0
PL.68450	PL.68449	C	#4 ACSR	7.26Y	121.0	0.00	4.01	1.28	1	9	2	98	0.00	0.0	5.051	0.036	9	2	1	1
PL.69044	PL.68681	A	#4 ACSR	7.26Y	121.0	0.00	4.01	1.05	1	7	2	96	0.00	0.0	4.944	0.005	0	0	0	1
PD.10350	PL.69044	A	65T	7.26Y	121.0	0.00	4.01	1.05	0	7	2	96	0.00	0.0	4.944	0.005	0	0	0	1
PL.69045	PD.10350	A	#4 ACSR	7.26Y	121.0	0.00	4.01	1.05	1	7	2	96	0.00	0.0	4.951	0.008	7	2	1	1
PL.69042	PL.68526	A	#1/0 ACSR	7.26Y	121.0	0.00	4.01	1.57	1	11	3	96	0.00	0.0	4.918	0.005	0	0	0	1
PD.10349	PL.69042	A	65T	7.26Y	121.0	0.00	4.01	1.57	0	11	3	96	0.00	0.0	4.918	0.005	0	0	0	1
PL.69043	PD.10349	A	#1/0 ACSR	7.26Y	121.0	0.00	4.01	1.57	1	11	3	96	0.00	0.0	4.954	0.036	11	3	1	1
PL.68441	PL.68670	ABC	#1/0 ACSR	7.26Y	121.0	0.03	4.03	33.32	14	698	200	96	0.13	0.0	4.794	0.044	0	0	0	163
PD.10374	PL.68441	ABC	50L	7.26Y	121.0	0.00	4.03	33.32	67	697	200	96	0.00	0.0	4.794	0.044	0	0	0	163
PL.68703	PD.10374	ABC	#1/0 ACSR	7.26Y	121.0	0.00	4.03	33.32	14	697	200	96	0.00	0.0	4.796	0.002	55	23	3	163
PL.68880	PL.68703	ABC	#1/0 ACSR	7.26Y	121.0	0.00	4.03	3.81	2	80	21	97	0.00	0.0	4.835	0.039	26	7	5	15
PL.68881	PL.68880	ABC	#1/0 ACSR	7.26Y	121.0	0.00	4.03	2.59	1	54	14	97	0.00	0.0	4.840	0.004	0	0	1	10
PL.68971	PL.68881	B	6 A (CWC)	7.26Y	121.0	0.00	4.04	7.75	6	54	14	97	0.00	0.0	4.845	0.005	0	0	0	9
PD.10289	PL.68971	B	40T	7.26Y	121.0	0.00	4.04	7.75	0	54	14	97	0.00	0.0	4.845	0.005	0	0	0	9
PL.68972	PD.10289	B	6 A (CWC)	7.26Y	120.9	0.03	4.07	7.75	6	54	14	97	0.01	0.0	4.937	0.092	8	2	1	9
PL.68505	PL.68972	B	6 A (CWC)	7.26Y	120.9	0.01	4.08	6.62	5	46	12	97	0.00	0.0	4.976	0.039	16	4	4	8
PL.68507	PL.68505	B	6 A (CWC)	7.26Y	120.9	0.00	4.08	2.99	2	21	6	96	0.00	0.0	5.021	0.044	14	4	1	2
PL.68508	PL.68507	B	#2 ACSR	7.26Y	120.9	0.00	4.08	0.93	1	6	2	95	0.00	0.0	5.047	0.026	6	2	1	1
PL.68506	PL.68505	B	8 A (CWC)	7.26Y	120.9	0.00	4.08	1.29	1	9	2	98	0.00	0.0	5.050	0.073	9	2	2	2
PL.68683	PL.68703	ABC	#1/0 ACSR	7.26Y	120.9	0.04	4.08	25.60	11	537	149	96	0.17	0.0	4.892	0.096	0	0	0	141
PL.68442	PL.68683	A	6 A (CWC)	7.26Y	120.9	0.00	4.08	3.83	3	27	7	97	0.00	0.0	4.897	0.005	0	0	0	6
PD.10286	PL.68442	A	40T	7.26Y	120.9	0.00	4.08	3.83	0	27	7	97	0.00	0.0	4.897	0.005	0	0	0	6
PL.68443	PD.10286	A	#4 ACSR	7.26Y	120.9	0.00	4.08	1.39	1	10	3	96	0.00	0.0	4.945	0.048	10	3	2	2
PL.68845	PD.10286	A	6 A (CWC)	7.26Y	120.9	0.01	4.08	2.44	2	17	5	96	0.00	0.0	4.959	0.062	8	2	3	4
PL.68846	PL.68845	A	6 A (CWC)	7.26Y	120.9	0.00	4.08	1.34	1	9	2	98	0.00	0.0	4.986	0.027	9	2	1	1
PL.68684	PL.68683	ABC	#1/0 ACSR	7.25Y	120.9	0.05	4.12	24.32	11	510	142	96	0.17	0.0	5.000	0.108	0	0	0	135
PL.68444	PL.68684	B	6 A (CWC)	7.25Y	120.8	0.05	4.17	11.25	8	79	21	97	0.03	0.0	5.099	0.099	0	0	0	24
PL.68953	PL.68444	B	6 A (CWC)	7.25Y	120.8	0.00	4.18	11.25	8	79	21	97	0.00	0.0	5.104	0.005	0	0	0	24
PD.10279	PL.68953	B	40T	7.25Y	120.8	0.00	4.18	11.25	0	79	21	97	0.00	0.0	5.104	0.005	0	0	0	24

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: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.68954	PD.10279	B	6 A (CWC)	7.25Y	120.8	0.06	4.24	11.25	8	79	21	97	0.04	0.0	5.231	0.127	2	1	1	24
PL.68534	PL.68954	B	6 A (CWC)	7.24Y	120.7	0.05	4.29	10.91	8	76	20	97	0.03	0.0	5.322	0.092	0	0	0	23
PL.68723	PL.68534	B	6 A (CWC)	7.24Y	120.7	0.06	4.34	10.91	8	76	20	97	0.03	0.0	5.440	0.118	0	0	0	23
PL.68618	PL.68723	B	6 A (CWC)	7.24Y	120.6	0.02	4.36	5.52	4	39	10	97	0.01	0.0	5.517	0.077	0	0	0	10
PL.68619	PL.68618	B	#4 ACSR	7.24Y	120.6	0.00	4.36	0.69	1	5	1	98	0.00	0.0	5.575	0.058	5	1	1	1
PL.68702	PL.68618	B	6 A (CWC)	7.24Y	120.6	0.02	4.38	4.83	3	34	9	97	0.00	0.0	5.591	0.074	0	0	0	9
PL.67749	PL.68702	B	6 A (CWC)	7.23Y	120.6	0.04	4.42	4.83	3	34	9	97	0.01	0.0	5.761	0.169	0	0	0	9
PL.67751	PL.67749	B	6 A (CWC)	7.23Y	120.6	0.01	4.43	2.21	2	15	4	97	0.00	0.0	5.842	0.081	0	0	0	4
PL.68725	PL.67751	B	6 A (CWC)	7.23Y	120.6	0.01	4.44	2.21	2	15	4	97	0.00	0.0	5.957	0.115	0	0	0	4
PL.68724	PL.68725	B	6 A (CWC)	7.23Y	120.5	0.01	4.45	2.21	2	15	4	97	0.00	0.0	6.092	0.135	0	0	0	4
PL.67752	PL.68724	B	6 A (CWC)	7.23Y	120.5	0.00	4.45	0.85	1	6	2	95	0.00	0.0	6.131	0.039	6	2	2	2
PL.67753	PL.68724	B	#4 ACSR	7.23Y	120.5	0.01	4.46	1.37	1	10	3	96	0.00	0.0	6.260	0.168	1	0	1	2
PL.67754	PL.67753	B	#4 ACSR	7.23Y	120.5	0.00	4.46	1.15	1	8	2	97	0.00	0.0	6.312	0.052	8	2	1	1
PL.67750	PL.67749	B	6 A (CWC)	7.23Y	120.6	0.00	4.42	2.62	2	18	5	96	0.00	0.0	5.798	0.037	14	4	3	5
PL.68852	PL.67750	B	#4 ACSR	7.23Y	120.6	0.00	4.42	0.65	0	5	1	98	0.00	0.0	5.814	0.016	5	1	1	2
PL.68853	PL.68852	B	#4 ACSR	7.23Y	120.6	0.00	4.42	0.00	0	0	0	100	0.00	0.0	5.837	0.023	0	0	1	1
PL.68614	PL.68723	B	6 A (CWC)	7.24Y	120.6	0.02	4.37	5.38	4	38	10	97	0.01	0.0	5.541	0.100	0	0	0	13
PL.68699	PL.68614	B	6 A (CWC)	7.24Y	120.6	0.02	4.39	3.28	2	23	6	97	0.00	0.0	5.703	0.162	0	0	0	7
PL.68851	PL.68699	B	#1/0 ACSR	7.24Y	120.6	0.00	4.39	1.21	1	8	2	97	0.00	0.0	5.758	0.055	5	1	1	2
PL.68850	PL.68851	B	#1/0 ACSR	7.24Y	120.6	0.00	4.39	0.51	0	4	1	97	0.00	0.0	5.785	0.027	4	1	1	1
PL.68848	PL.68699	B	6 A (CWC)	7.24Y	120.6	0.00	4.40	2.07	1	15	4	97	0.00	0.0	5.733	0.030	3	1	2	5
PL.68849	PL.68848	B	6 A (CWC)	7.24Y	120.6	0.00	4.40	1.70	1	12	3	97	0.00	0.0	5.783	0.050	0	0	0	3
PL.68701	PL.68849	B	6 A (CWC)	7.24Y	120.6	0.00	4.40	0.92	1	6	2	95	0.00	0.0	5.859	0.076	0	0	1	2
PL.68616	PL.68701	B	#4 ACSR	7.24Y	120.6	0.00	4.40	0.92	1	6	2	95	0.00	0.0	5.941	0.083	6	2	1	1
PL.68615	PL.68849	B	#4 ACSR	7.24Y	120.6	0.00	4.40	0.78	1	5	1	98	0.00	0.0	5.815	0.032	5	1	1	1
PL.68617	PL.68614	B	6 A (CWC)	7.24Y	120.6	0.01	4.38	2.10	2	15	4	97	0.00	0.0	5.636	0.095	1	0	2	6
PL.68612	PL.68617	B	#4 ACSR	7.24Y	120.6	0.01	4.38	1.95	1	14	4	96	0.00	0.0	5.696	0.060	0	0	0	4
PL.68700	PL.68612	B	#4 ACSR	7.24Y	120.6	0.00	4.38	0.61	0	4	1	97	0.00	0.0	5.760	0.064	4	1	2	2
PL.68613	PL.68612	B	#4 ACSR	7.24Y	120.6	0.00	4.39	1.34	1	9	2	98	0.00	0.0	5.785	0.089	9	2	2	2
PL.68728	PL.68684	ABC	#1/0 ACSR	7.25Y	120.9	0.01	4.13	20.57	9	431	121	96	0.02	0.0	5.022	0.022	0	0	0	111
PL.68531	PL.68728	ABC	#1/0 ACSR	7.25Y	120.9	0.02	4.15	18.78	8	393	111	96	0.05	0.0	5.077	0.055	6	2	2	105

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Balanced Voltage Drop Report
Source: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.68532	PL.68531	ABC	#1/0 ACSR	7.25Y	120.8	0.03	4.18	18.47	8	387	109	96	0.08	0.0	5.167	0.091	0	0	0	103
PL.68729	PL.68532	ABC	#1/0 ACSR	7.25Y	120.8	0.01	4.19	18.46	8	386	109	96	0.03	0.0	5.201	0.034	0	0	0	102
PL.68730	PL.68729	ABC	#1/0 ACSR	7.25Y	120.8	0.02	4.21	18.46	8	386	109	96	0.05	0.0	5.255	0.054	0	0	0	100
PL.68685	PL.68730	ABC	#1/0 ACSR	7.24Y	120.7	0.05	4.26	18.22	8	381	107	96	0.13	0.0	5.404	0.150	0	0	0	98
PL.68686	PL.68685	ABC	#1/0 ACSR	7.24Y	120.7	0.03	4.29	17.67	8	370	104	96	0.08	0.0	5.504	0.099	0	0	0	96
PL.68726	PL.68686	ABC	#1/0 ACSR	7.24Y	120.7	0.04	4.33	17.67	8	370	104	96	0.12	0.0	5.642	0.139	0	0	0	96
PL.68607	PL.68726	ABC	#1/0 ACSR	7.24Y	120.6	0.04	4.37	17.40	8	364	102	96	0.09	0.0	5.756	0.114	0	0	0	95
PL.68687	PL.68607	ABC	#1/0 ACSR	7.24Y	120.6	0.01	4.38	17.02	7	356	100	96	0.04	0.0	5.803	0.047	11	3	3	93
PL.68979	PL.68687	C	#2 ACSR	7.24Y	120.6	0.00	4.38	0.03	0	0	0	100	0.00	0.0	5.808	0.005	0	0	0	2
PD.10293	PL.68979	C	20T	7.24Y	120.6	0.00	4.38	0.03	0	0	0	100	0.00	0.0	5.808	0.005	0	0	0	2
PL.68980	PD.10293	C	#2 ACSR	7.24Y	120.6	0.00	4.38	0.03	0	0	0	100	0.00	0.0	5.825	0.017	0	0	2	2
PL.68857	PL.68687	ABC	#1/0 ACSR	7.24Y	120.6	0.01	4.40	16.48	7	344	97	96	0.03	0.0	5.851	0.047	10	3	1	88
PL.68858	PL.68857	ABC	#1/0 ACSR	7.24Y	120.6	0.01	4.41	16.00	7	334	95	96	0.03	0.0	5.902	0.052	3	1	2	87
PL.68688	PL.68858	ABC	#1/0 ACSR	7.23Y	120.6	0.03	4.44	15.68	7	328	93	96	0.06	0.0	5.995	0.093	0	0	0	83
PL.68860	PL.68688	ABC	#1/0 ACSR	7.23Y	120.6	0.00	4.44	2.72	1	55	21	93	0.00	0.0	6.037	0.042	8	2	3	10
PL.69062	PL.68860	ABC	#1/0 ACSR	7.23Y	120.6	0.00	4.44	2.34	1	47	18	93	0.00	0.0	6.041	0.005	0	0	0	7
PD.10359	PL.69062	ABC	20T	7.23Y	120.6	0.00	4.44	2.34	0	47	18	93	0.00	0.0	6.041	0.005	0	0	0	7
PL.69063	PD.10359	ABC	#1/0 ACSR	7.23Y	120.6	0.00	4.44	2.34	1	47	18	93	0.00	0.0	6.102	0.061	11	3	4	7
PL.68859	PL.69063	ABC	#1/0 ACSR	7.23Y	120.6	0.00	4.45	1.81	1	36	15	92	0.00	0.0	6.127	0.025	0	0	0	3
PL.68854	PL.68859	ABC	#1/0 ACSR	7.23Y	120.6	0.00	4.45	1.50	1	29	14	90	0.00	0.0	6.286	0.158	3	1	1	2
PL.68855	PL.68854	ABC	#1/0 ACSR	7.23Y	120.5	0.00	4.45	1.38	1	27	13	90	0.00	0.0	6.330	0.044	27	13	1	1
PL.68609	PL.68855	C	#4 ACSR	7.23Y	120.6	0.00	4.45	0.95	1	7	2	96	0.00	0.0	6.216	0.089	7	2	1	1
PL.68689	PL.68609	ABC	#1/0 ACSR	7.23Y	120.5	0.01	4.45	12.97	6	272	72	97	0.02	0.0	6.045	0.049	7	2	1	73
PL.68861	PL.68689	ABC	#1/0 ACSR	7.23Y	120.5	0.02	4.48	12.65	6	265	70	97	0.05	0.0	6.152	0.107	3	1	1	72
PL.68862	PL.68861	ABC	#1/0 ACSR	7.23Y	120.5	0.02	4.49	12.53	5	263	70	97	0.03	0.0	6.226	0.075	3	1	1	71
PL.68863	PL.68862	ABC	#1/0 ACSR	7.23Y	120.5	0.01	4.50	12.38	5	260	69	97	0.02	0.0	6.276	0.050	5	1	1	70
PL.68985	PL.68863	C	#4 ACSR	7.23Y	120.5	0.00	4.50	0.90	1	6	2	95	0.00	0.0	6.281	0.005	0	0	0	2
PD.10296	PL.68985	C	40T	7.23Y	120.5	0.00	4.50	0.90	0	6	2	95	0.00	0.0	6.281	0.005	0	0	0	2
PL.68986	PD.10296	C	#4 ACSR	7.23Y	120.5	0.00	4.50	0.90	1	6	2	95	0.00	0.0	6.299	0.018	6	2	2	2
PL.68690	PL.68986	ABC	#1/0 ACSR	7.23Y	120.5	0.01	4.51	11.83	5	248	66	97	0.01	0.0	6.311	0.034	0	0	0	67
PL.68691	PL.68690	ABC	#1/0 ACSR	7.23Y	120.5	0.01	4.52	11.38	5	239	63	97	0.02	0.0	6.373	0.063	6	2	2	66

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Balanced Voltage Drop Report
Source: Tyner

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

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

PL.68987	PL.68691	C	#4 ACSR	7.23Y	120.5	0.00	4.52	1.90	1	13	4	96	0.00	0.0	6.378	0.005	0	0	0	4
PD.10297	PL.68987	C	40T	7.23Y	120.5	0.00	4.52	1.90	0	13	4	96	0.00	0.0	6.378	0.005	0	0	0	4
PL.68988	PD.10297	C	#4 ACSR	7.23Y	120.5	0.00	4.52	1.90	1	13	4	96	0.00	0.0	6.388	0.010	13	4	4	4
PL.68864	PL.68691	ABC	#1/0 ACSR	7.23Y	120.5	0.01	4.53	10.46	5	219	58	97	0.02	0.0	6.430	0.057	1	0	1	60
PL.68865	PL.68864	ABC	#1/0 ACSR	7.23Y	120.5	0.01	4.54	10.40	5	218	58	97	0.01	0.0	6.477	0.047	6	2	1	59
PL.68866	PL.68865	ABC	#1/0 ACSR	7.23Y	120.5	0.01	4.55	10.13	4	212	56	97	0.01	0.0	6.517	0.040	0	0	0	58
PL.68990	PL.68866	C	#4 ACSR	7.23Y	120.5	0.00	4.55	0.74	1	5	1	98	0.00	0.0	6.522	0.005	0	0	0	2
PD.10298	PL.68990	C	40T	7.23Y	120.5	0.00	4.55	0.74	0	5	1	98	0.00	0.0	6.522	0.005	0	0	0	2
PL.68989	PD.10298	C	#4 ACSR	7.23Y	120.5	0.00	4.55	0.74	1	5	1	98	0.00	0.0	6.550	0.028	5	1	2	2
PL.68692	PL.68866	ABC	#1/0 ACSR	7.23Y	120.4	0.01	4.56	9.88	4	207	55	97	0.01	0.0	6.563	0.046	0	0	0	56
PL.68991	PL.68692	A	#4 ACSR	7.23Y	120.4	0.00	4.56	0.62	0	4	1	97	0.00	0.0	6.567	0.005	0	0	0	2
PD.10299	PL.68991	A	40T	7.23Y	120.4	0.00	4.56	0.62	0	4	1	97	0.00	0.0	6.567	0.005	0	0	0	2
PL.68992	PD.10299	A	#4 ACSR	7.23Y	120.4	0.00	4.56	0.62	0	4	1	97	0.00	0.0	6.587	0.019	4	1	2	2
PL.69054	PL.68692	C	#4 ACSR	7.23Y	120.4	0.00	4.56	2.82	2	20	5	97	0.00	0.0	6.567	0.005	0	0	0	5
PD.10355	PL.69054	C	40T	7.23Y	120.4	0.00	4.56	2.82	0	20	5	97	0.00	0.0	6.567	0.005	0	0	0	5
PL.69055	PD.10355	C	#4 ACSR	7.23Y	120.4	0.00	4.56	2.82	2	20	5	97	0.00	0.0	6.598	0.031	7	2	1	5
PL.68867	PL.69055	C	#4 ACSR	7.23Y	120.4	0.00	4.56	1.76	1	12	3	97	0.00	0.0	6.633	0.035	10	3	3	4
PL.68611	PL.68867	C	#4 ACSR	7.23Y	120.4	0.00	4.56	0.28	0	2	1	89	0.00	0.0	6.783	0.150	2	1	1	1
PL.68693	PL.68692	ABC	#1/0 ACSR	7.23Y	120.4	0.00	4.56	8.73	4	183	48	97	0.00	0.0	6.587	0.024	0	0	0	49
PL.68610	PL.68693	ABC	#1/0 ACSR	7.23Y	120.4	0.01	4.58	8.73	4	183	48	97	0.02	0.0	6.685	0.099	20	5	3	49
PL.67755	PL.68610	ABC	#1/0 ACSR	7.22Y	120.4	0.01	4.59	6.17	3	129	34	97	0.01	0.0	6.797	0.112	3	1	2	38
PL.68997	PL.67755	A	6 A (CWC)	7.22Y	120.4	0.00	4.59	13.19	9	92	24	97	0.00	0.0	6.802	0.005	0	0	0	23
PD.10302	PL.68997	A	40T	7.22Y	120.4	0.00	4.59	13.19	0	92	24	97	0.00	0.0	6.802	0.005	0	0	0	23
PL.68998	PD.10302	A	6 A (CWC)	7.22Y	120.3	0.07	4.67	13.19	9	92	24	97	0.05	0.1	6.926	0.124	0	0	0	23
PL.68695	PL.68998	A	6 A (CWC)	7.22Y	120.3	0.01	4.68	12.45	9	87	23	97	0.01	0.0	6.951	0.025	5	1	1	22
PL.67763	PL.68695	A	6 A (CWC)	7.22Y	120.3	0.06	4.74	11.78	8	82	22	97	0.04	0.0	7.062	0.110	2	1	1	21
PL.67768	PL.67763	A	#2 ACSR	7.22Y	120.3	0.00	4.74	1.08	1	8	2	97	0.00	0.0	7.189	0.127	8	2	2	2
PL.68696	PL.67763	A	6 A (CWC)	7.21Y	120.2	0.03	4.77	8.57	6	60	16	97	0.01	0.0	7.139	0.078	0	0	0	13
PL.68697	PL.68696	A	6 A (CWC)	7.21Y	120.2	0.03	4.80	8.57	6	60	16	97	0.01	0.0	7.217	0.078	0	0	0	13
PL.67766	PL.68697	A	6 A (CWC)	7.21Y	120.2	0.02	4.82	6.53	5	46	12	97	0.01	0.0	7.279	0.063	0	0	0	9
PL.68869	PL.67766	A	6 A (CWC)	7.21Y	120.2	0.03	4.84	6.53	5	46	12	97	0.01	0.0	7.377	0.097	8	2	1	9

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Balanced Voltage Drop Report
Source: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.68870	PL.68869	A	6 A (CWC)	7.21Y	120.1	0.01	4.85	5.35	4	37	10	97	0.00	0.0	7.412	0.036	15	4	3	8
PL.68871	PL.68870	A	6 A (CWC)	7.21Y	120.1	0.01	4.86	3.27	2	23	6	97	0.00	0.0	7.473	0.060	0	0	0	5
PL.67765	PL.68871	A	6 A (CWC)	7.21Y	120.1	0.00	4.86	1.78	1	12	3	97	0.00	0.0	7.523	0.050	3	1	1	2
PL.67764	PL.67765	A	#4 ACSR	7.21Y	120.1	0.00	4.86	1.39	1	10	3	96	0.00	0.0	7.574	0.051	10	3	1	1
PL.68698	PL.68871	A	6 A (CWC)	7.21Y	120.1	0.01	4.87	1.49	1	10	3	96	0.00	0.0	7.562	0.089	0	0	0	3
PL.67770	PL.68698	A	#4 ACSR	7.21Y	120.1	0.00	4.87	0.78	1	5	1	98	0.00	0.0	7.613	0.051	5	1	1	1
PL.67769	PL.68698	A	#1/0 ACSR	7.21Y	120.1	0.00	4.87	0.71	0	5	1	98	0.00	0.0	7.589	0.027	5	1	2	2
PL.68872	PL.68697	A	#4 ACSR	7.21Y	120.2	0.00	4.80	2.04	2	14	4	96	0.00	0.0	7.232	0.015	7	2	1	4
PL.68873	PL.68872	A	#4 ACSR	7.21Y	120.2	0.00	4.80	0.99	1	7	2	96	0.00	0.0	7.291	0.059	7	2	3	3
PL.67767	PL.68696	A	#4 ACSR	7.21Y	120.2	0.00	4.77	0.00	0	0	0	100	0.00	0.0	7.158	0.019	0	0	0	0
PL.68874	PL.67763	A	6 A (CWC)	7.22Y	120.3	0.00	4.74	1.82	1	13	3	97	0.00	0.0	7.128	0.067	4	1	2	5
PL.68875	PL.68874	A	6 A (CWC)	7.22Y	120.3	0.00	4.75	1.31	1	9	2	98	0.00	0.0	7.199	0.071	0	0	1	3
PL.68876	PL.68875	A	6 A (CWC)	7.22Y	120.3	0.00	4.75	1.29	1	9	2	98	0.00	0.0	7.223	0.024	3	1	1	2
PL.68877	PL.68876	A	6 A (CWC)	7.21Y	120.2	0.00	4.75	0.86	1	6	2	95	0.00	0.0	7.349	0.126	6	2	1	1
PL.67756	PL.68998	A	#1/0 ACSR	7.22Y	120.3	0.00	4.67	0.75	0	5	1	98	0.00	0.0	6.985	0.058	5	1	1	1
PL.68694	PL.67755	ABC	#1/0 ACSR	7.22Y	120.4	0.00	4.59	1.62	1	34	9	97	0.00	0.0	6.808	0.010	0	0	0	13
PL.68995	PL.68694	A	6 A (CWC)	7.22Y	120.4	0.00	4.59	0.00	0	0	0	100	0.00	0.0	6.812	0.005	0	0	0	0
PD.10301	PL.68995	A	40T	7.22Y	120.4	0.00	4.59	0.00	0	0	0	100	0.00	0.0	6.812	0.005	0	0	0	0
PL.68996	PD.10301	A	6 A (CWC)	7.22Y	120.4	0.00	4.59	0.00	0	0	0	100	0.00	0.0	6.896	0.084	0	0	0	0
PL.69056	PL.68694	B	6 A (CWC)	7.22Y	120.4	0.00	4.59	4.85	3	34	9	97	0.00	0.0	6.812	0.005	0	0	0	13
PD.10356	PL.69056	B	40T	7.22Y	120.4	0.00	4.59	4.85	0	34	9	97	0.00	0.0	6.812	0.005	0	0	0	13
PL.69057	PD.10356	B	6 A (CWC)	7.22Y	120.4	0.02	4.61	4.85	3	34	9	97	0.01	0.0	6.922	0.110	5	1	1	13
PL.67758	PL.69057	B	#4 ACSR	7.22Y	120.4	0.01	4.62	2.03	2	14	4	96	0.00	0.0	6.996	0.074	7	2	2	4
PL.67757	PL.67758	B	#4 ACSR	7.22Y	120.4	0.00	4.62	1.04	1	7	2	96	0.00	0.0	7.110	0.114	7	2	2	2
PL.67759	PL.69057	B	6 A (CWC)	7.22Y	120.4	0.00	4.61	0.89	1	6	2	95	0.00	0.0	6.954	0.033	0	0	0	2
PL.67760	PL.67759	B	6 A (CWC)	7.22Y	120.4	0.00	4.62	0.89	1	6	2	95	0.00	0.0	7.024	0.069	0	0	0	2
PL.68732	PL.67760	B	#4 ACSR	7.22Y	120.4	0.01	4.62	0.89	1	6	2	95	0.00	0.0	7.173	0.149	0	0	0	2
PL.67762	PL.68732	B	#4 ACSR	7.22Y	120.4	0.00	4.62	0.00	0	0	0	100	0.00	0.0	7.208	0.035	0	0	0	0
PL.68733	PL.68732	B	#4 ACSR	7.22Y	120.4	0.00	4.62	0.89	1	6	2	95	0.00	0.0	7.283	0.110	6	2	2	2
PL.67761	PL.69057	B	#4 ACSR	7.22Y	120.4	0.00	4.61	1.18	1	8	2	97	0.00	0.0	6.967	0.045	8	2	6	6
PL.68993	PL.68610	C	#2 ACSR	7.23Y	120.4	0.00	4.58	4.79	3	33	9	96	0.00	0.0	6.690	0.005	0	0	0	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: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.10300	PL.68993	C	40T	7.23Y	120.4	0.00	4.58	4.79	0	33	9	96	0.00	0.0	6.690	0.005	0	0	0	8
PL.68994	PD.10300	C	#2 ACSR	7.23Y	120.4	0.01	4.58	4.79	3	33	9	96	0.00	0.0	6.729	0.039	7	2	1	8
PL.68868	PL.68994	C	#2 ACSR	7.23Y	120.4	0.00	4.58	3.84	2	27	7	97	0.00	0.0	6.754	0.024	27	7	7	7
PL.68983	PL.68690	A	#1/0 ACSR	7.23Y	120.5	0.00	4.51	1.36	1	10	3	96	0.00	0.0	6.315	0.005	0	0	0	1
PD.10295	PL.68983	A	20T	7.23Y	120.5	0.00	4.51	1.36	0	10	3	96	0.00	0.0	6.315	0.005	0	0	0	1
PL.68984	PD.10295	A	#1/0 ACSR	7.23Y	120.5	0.00	4.51	1.36	1	10	3	96	0.00	0.0	6.350	0.034	10	3	1	1
PL.68981	PL.68858	C	#2 ACSR	7.24Y	120.6	0.00	4.41	0.48	0	3	1	95	0.00	0.0	5.934	0.032	0	0	0	2
PD.10294	PL.68981	C	40T	7.24Y	120.6	0.00	4.41	0.48	0	3	1	95	0.00	0.0	5.934	0.032	0	0	0	2
PL.68982	PD.10294	C	#2 ACSR	7.24Y	120.6	0.00	4.41	0.48	0	3	1	95	0.00	0.0	5.963	0.028	3	1	1	2
PL.68856	PL.68982	C	#2 ACSR	7.24Y	120.6	0.00	4.41	0.04	0	0	0	100	0.00	0.0	6.008	0.046	0	0	1	1
PL.68608	PL.68607	A	#2 ACSR	7.24Y	120.6	0.00	4.37	1.15	1	8	2	97	0.00	0.0	5.770	0.014	6	2	1	2
PL.68977	PL.68608	A	6 A (CWC)	7.24Y	120.6	0.00	4.37	0.32	0	2	1	89	0.00	0.0	5.775	0.005	0	0	0	1
PD.10292	PL.68977	A	15T	7.24Y	120.6	0.00	4.37	0.32	0	2	1	89	0.00	0.0	5.775	0.005	0	0	0	1
PL.68978	PD.10292	A	6 A (CWC)	7.24Y	120.6	0.00	4.37	0.32	0	2	1	89	0.00	0.0	5.874	0.099	2	1	1	1
PL.68975	PL.68726	A	#2 ACSR	7.24Y	120.7	0.00	4.33	0.82	0	6	2	95	0.00	0.0	5.647	0.005	0	0	0	1
PD.10291	PL.68975	A	40T	7.24Y	120.7	0.00	4.33	0.82	0	6	2	95	0.00	0.0	5.647	0.005	0	0	0	1
PL.68976	PD.10291	A	#2 ACSR	7.24Y	120.7	0.00	4.34	0.82	0	6	2	95	0.00	0.0	5.694	0.047	6	2	1	1
PL.68973	PL.68685	A	#4 ACSR	7.24Y	120.7	0.00	4.26	1.65	1	12	3	97	0.00	0.0	5.409	0.005	0	0	0	2
PD.10290	PL.68973	A	40T	7.24Y	120.7	0.00	4.26	1.65	0	12	3	97	0.00	0.0	5.409	0.005	0	0	0	2
PL.68974	PD.10290	A	#4 ACSR	7.24Y	120.7	0.00	4.26	1.65	1	12	3	97	0.00	0.0	5.490	0.081	12	3	2	2
PL.68969	PL.68730	B	6 A (CWC)	7.25Y	120.8	0.00	4.21	0.71	1	5	1	98	0.00	0.0	5.259	0.005	0	0	0	2
PD.10288	PL.68969	B	40T	7.25Y	120.8	0.00	4.21	0.71	0	5	1	98	0.00	0.0	5.259	0.005	0	0	0	2
PL.68970	PD.10288	B	6 A (CWC)	7.25Y	120.8	0.00	4.21	0.71	1	5	1	98	0.00	0.0	5.335	0.076	5	1	2	2
PL.68967	PL.68729	C	#1/0 ACSR	7.25Y	120.8	0.00	4.19	0.00	0	0	0	100	0.00	0.0	5.206	0.005	0	0	0	2
PD.10287	PL.68967	C	40T	7.25Y	120.8	0.00	4.19	0.00	0	0	0	100	0.00	0.0	5.206	0.005	0	0	0	2
PL.68968	PD.10287	C	#1/0 ACSR	7.25Y	120.8	0.00	4.19	0.00	0	0	0	100	0.00	0.0	5.229	0.023	0	0	2	2
PL.68445	PL.68532	ABC	6 A (CWC)	7.25Y	120.8	0.00	4.18	0.01	0	0	0	100	0.00	0.0	5.219	0.051	0	0	1	1
PL.68951	PL.68728	C	6 A (CWC)	7.25Y	120.9	0.00	4.13	5.39	4	38	10	97	0.00	0.0	5.027	0.005	0	0	0	6
PD.10278	PL.68951	C	15T	7.25Y	120.9	0.00	4.13	5.39	0	38	10	97	0.00	0.0	5.027	0.005	0	0	0	6
PL.68952	PD.10278	C	6 A (CWC)	7.25Y	120.9	0.00	4.14	5.39	4	38	10	97	0.00	0.0	5.049	0.022	21	5	3	6
PL.68533	PL.68952	C	6 A (CWC)	7.25Y	120.9	0.01	4.14	2.46	2	17	5	96	0.00	0.0	5.106	0.058	0	0	0	3

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Balanced Voltage Drop Report
Source: Tyner

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

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

PL.68448	PL.68533	C	6 A (CWC)	7.25Y	120.9	0.00	4.14	0.82	1	6	2	95	0.00	0.0	5.164	0.057	0	0	0	1
PL.68447	PL.68448	C	#4 ACSR	7.25Y	120.9	0.00	4.15	0.82	1	6	2	95	0.00	0.0	5.271	0.108	0	0	0	1
PL.68606	PL.68447	C	#1/0 ACSR	7.25Y	120.9	0.00	4.15	0.82	0	6	2	95	0.00	0.0	5.327	0.056	6	2	1	1
PL.68446	PL.68533	C	#4 ACSR	7.25Y	120.9	0.00	4.15	1.64	1	12	3	97	0.00	0.0	5.183	0.077	12	3	2	2
PL.69052	PL.68703	A	#1/0 ACSR	7.26Y	121.0	0.00	4.03	3.53	2	25	7	96	0.00	0.0	4.801	0.005	0	0	0	4
PD.10354	PL.69052	A	30T	7.26Y	121.0	0.00	4.03	3.53	0	25	7	96	0.00	0.0	4.801	0.005	0	0	0	4
PL.69053	PD.10354	A	#1/0 ACSR	7.26Y	121.0	0.00	4.03	3.53	2	25	7	96	0.00	0.0	4.843	0.042	25	7	4	4
PL.68428	PL.68668	ABC	#1/0 ACSR	7.26Y	121.0	0.01	3.99	17.70	8	373	99	97	0.03	0.0	4.683	0.042	5	1	1	89
PL.68672	PL.68428	ABC	#1/0 ACSR	7.26Y	121.0	0.02	4.01	14.51	6	306	81	97	0.04	0.0	4.753	0.070	0	0	0	77
PL.69084	PL.68672	ABC	#1/0 ACSR	7.26Y	121.0	0.00	4.01	14.51	6	306	81	97	0.00	0.0	4.756	0.003	0	0	0	77
PD.10373	PL.69084	ABC	50L	7.26Y	121.0	0.00	4.01	14.51	29	306	81	97	0.00	0.0	4.756	0.003	0	0	0	77
PL.69085	PD.10373	ABC	#1/0 ACSR	7.26Y	121.0	0.01	4.01	14.51	6	306	81	97	0.02	0.0	4.789	0.033	0	0	0	77
PL.68671	PL.69085	ABC	#1/0 ACSR	7.26Y	121.0	0.02	4.03	13.32	6	280	74	97	0.03	0.0	4.853	0.064	2	1	1	75
PL.68430	PL.68671	ABC	#1/0 ACSR	7.26Y	121.0	0.01	4.04	12.63	5	266	71	97	0.03	0.0	4.913	0.060	0	0	0	67
PL.68936	PL.68430	A	6 A (CWC)	7.26Y	121.0	0.00	4.04	0.14	0	1	0	100	0.00	0.0	4.917	0.005	0	0	0	2
PD.10341	PL.68936	A	40T	7.26Y	121.0	0.00	4.04	0.14	0	1	0	100	0.00	0.0	4.917	0.005	0	0	0	2
PL.68937	PD.10341	A	6 A (CWC)	7.26Y	121.0	0.00	4.04	0.14	0	1	0	100	0.00	0.0	4.972	0.055	1	0	2	2
PL.68673	PL.68430	ABC	#1/0 ACSR	7.26Y	120.9	0.02	4.06	12.59	5	265	70	97	0.04	0.0	5.007	0.094	0	0	0	65
PL.68674	PL.68673	ABC	#1/0 ACSR	7.25Y	120.9	0.03	4.10	12.42	5	261	69	97	0.06	0.0	5.155	0.149	0	0	1	63
PL.68431	PL.68674	ABC	#2 ACSR	7.25Y	120.9	0.02	4.12	11.98	7	252	67	97	0.05	0.0	5.236	0.081	0	0	0	60
PL.68522	PL.68431	ABC	#2 ACSR	7.25Y	120.9	0.02	4.14	10.86	6	228	60	97	0.03	0.0	5.295	0.059	3	1	1	53
PL.68523	PL.68522	ABC	#2 ACSR	7.25Y	120.8	0.03	4.17	10.73	6	226	60	97	0.05	0.0	5.403	0.108	0	0	0	52
PL.68727	PL.68523	ABC	#2 ACSR	7.25Y	120.8	0.02	4.18	10.63	6	223	59	97	0.03	0.0	5.462	0.059	0	0	0	51
PL.68434	PL.68727	ABC	#1/0 ACSR	7.25Y	120.8	0.01	4.19	10.63	5	223	59	97	0.02	0.0	5.519	0.057	0	0	0	51
PL.68676	PL.68434	ABC	#1/0 ACSR	7.25Y	120.8	0.02	4.21	8.59	4	181	48	97	0.02	0.0	5.624	0.105	0	0	0	44
PL.69036	PL.68676	C	#4 ACSR	7.25Y	120.8	0.00	4.21	16.52	13	116	31	97	0.00	0.0	5.628	0.005	0	0	0	27
PD.10347	PL.69036	C	40T	7.25Y	120.8	0.00	4.21	16.52	0	116	31	97	0.00	0.0	5.628	0.005	0	0	0	27
PL.69037	PD.10347	C	#4 ACSR	7.25Y	120.8	0.03	4.24	16.52	13	116	31	97	0.02	0.0	5.665	0.037	0	0	0	27
PL.68437	PL.69037	C	#2 ACSR	7.25Y	120.8	0.00	4.24	0.34	0	2	1	89	0.00	0.0	5.688	0.023	2	1	1	1
PL.68540	PL.69037	C	#4 ACSR	7.24Y	120.7	0.04	4.28	16.18	12	113	30	97	0.04	0.0	5.727	0.062	3	1	1	26
PL.68541	PL.68540	C	#4 ACSR	7.24Y	120.7	0.05	4.33	15.74	12	110	29	97	0.04	0.0	5.794	0.067	0	0	0	25

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.68514	PL.68541	C	#4 ACSR	7.24Y	120.6	0.04	4.37	12.22	9	86	23	97	0.02	0.0	5.863	0.069	12	3	1	19
PL.68594	PL.68514	C	#4 ACSR	7.24Y	120.6	0.03	4.40	8.53	7	60	16	97	0.01	0.0	5.951	0.088	12	3	2	13
PL.68805	PL.68594	C	#4 ACSR	7.24Y	120.6	0.01	4.41	6.78	5	47	13	96	0.00	0.0	5.988	0.037	7	2	1	11
PL.68806	PL.68805	C	#4 ACSR	7.24Y	120.6	0.01	4.42	5.73	4	40	11	96	0.00	0.0	6.026	0.039	6	2	2	10
PL.68804	PL.68806	C	#4 ACSR	7.23Y	120.6	0.00	4.42	4.86	4	34	9	97	0.00	0.0	6.040	0.014	0	0	0	8
PL.68678	PL.68804	C	#4 ACSR	7.23Y	120.6	0.00	4.42	3.31	3	23	6	97	0.00	0.0	6.064	0.024	2	0	1	6
PL.68802	PL.68678	C	#4 ACSR	7.23Y	120.6	0.00	4.43	3.08	2	22	6	96	0.00	0.0	6.100	0.036	9	2	2	5
PL.68803	PL.68802	C	#4 ACSR	7.23Y	120.6	0.00	4.43	1.74	1	12	3	97	0.00	0.0	6.161	0.060	12	3	3	3
PL.68595	PL.68804	C	#1/0 ACSR	7.23Y	120.6	0.00	4.42	1.54	1	11	3	96	0.00	0.0	6.096	0.056	11	3	2	2
PL.68800	PL.68514	C	#4 ACSR	7.24Y	120.6	0.00	4.37	1.95	2	14	4	96	0.00	0.0	5.889	0.025	1	0	1	5
PL.68801	PL.68800	C	#4 ACSR	7.24Y	120.6	0.00	4.37	1.85	1	13	3	97	0.00	0.0	5.914	0.025	13	3	3	4
PL.68515	PL.68801	C	#2 ACSR	7.24Y	120.6	0.00	4.37	0.03	0	0	0	100	0.00	0.0	6.024	0.110	0	0	1	1
PL.68512	PL.68541	C	#4 ACSR	7.24Y	120.7	0.01	4.35	3.52	3	25	7	96	0.00	0.0	5.885	0.091	1	0	1	6
PL.68513	PL.68512	C	#1/0 ACSR	7.24Y	120.7	0.00	4.35	1.11	0	8	2	97	0.00	0.0	5.943	0.058	8	2	2	2
PL.68807	PL.68512	C	#4 ACSR	7.24Y	120.7	0.00	4.35	2.33	2	16	4	97	0.00	0.0	5.927	0.042	7	2	1	3
PL.68808	PL.68807	C	#4 ACSR	7.24Y	120.6	0.00	4.35	1.34	1	9	2	98	0.00	0.0	5.984	0.057	9	2	2	2
PL.68677	PL.68676	A	#4 ACSR	7.25Y	120.8	0.00	4.21	0.95	1	7	2	96	0.00	0.0	5.628	0.005	0	0	0	3
PD.10346	PL.68677	A	40T	7.25Y	120.8	0.00	4.21	0.95	0	7	2	96	0.00	0.0	5.628	0.005	0	0	0	3
PL.68435	PD.10346	A	#4 ACSR	7.25Y	120.8	0.00	4.21	0.26	0	2	0	100	0.00	0.0	5.648	0.020	2	0	1	1
PL.68436	PD.10346	A	#4 ACSR	7.25Y	120.8	0.00	4.21	0.69	1	5	1	98	0.00	0.0	5.731	0.103	5	1	1	2
PL.68511	PL.68436	A	#4 ACSR	7.25Y	120.8	0.00	4.21	0.02	0	0	0	100	0.00	0.0	5.796	0.064	0	0	1	1
PL.69038	PL.68676	ABC	#1/0 ACSR	7.25Y	120.8	0.00	4.21	2.77	1	58	15	97	0.00	0.0	5.628	0.005	0	0	0	14
PL.69039	PL.69038	ABC	#1/0 ACSR	7.25Y	120.8	0.00	4.21	2.77	1	58	15	97	0.00	0.0	5.720	0.091	0	0	0	14
PL.68438	PL.69039	B	#1/0 ACSR	7.25Y	120.8	0.00	4.22	8.31	4	58	15	97	0.00	0.0	5.728	0.009	0	0	0	14
PL.69040	PL.68438	B	6 A (CWC)	7.25Y	120.8	0.00	4.22	8.31	6	58	15	97	0.00	0.0	5.733	0.005	0	0	0	14
PD.10348	PL.69040	B	20T	7.25Y	120.8	0.00	4.22	8.31	0	58	15	97	0.00	0.0	5.733	0.005	0	0	0	14
PL.69041	PD.10348	B	6 A (CWC)	7.25Y	120.8	0.03	4.25	8.31	6	58	15	97	0.01	0.0	5.817	0.084	6	2	1	14
PL.68599	PL.69041	B	#4 ACSR	7.24Y	120.7	0.00	4.25	1.21	1	8	2	97	0.00	0.0	5.921	0.104	8	2	1	1
PL.68598	PL.69041	B	6 A (CWC)	7.24Y	120.7	0.02	4.27	6.23	4	44	12	96	0.01	0.0	5.892	0.075	0	0	0	12
PL.68597	PL.68598	B	6 A (CWC)	7.24Y	120.7	0.00	4.27	0.25	0	2	0	100	0.00	0.0	5.941	0.049	2	0	1	1
PL.68679	PL.68598	B	6 A (CWC)	7.24Y	120.7	0.01	4.28	5.98	4	42	11	97	0.00	0.0	5.948	0.055	1	0	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: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.68600	PL.68679	B	6 A (CWC)	7.24Y	120.7	0.04	4.32	5.79	4	41	11	97	0.01	0.0	6.092	0.144	0	0	0	10
PL.68839	PL.68600	B	6 A (CWC)	7.24Y	120.7	0.01	4.33	2.61	2	18	5	96	0.00	0.0	6.149	0.058	4	1	1	6
PL.68840	PL.68839	B	6 A (CWC)	7.24Y	120.7	0.01	4.34	2.05	1	14	4	96	0.00	0.0	6.231	0.081	2	1	1	5
PL.68603	PL.68840	B	#2 ACSR	7.24Y	120.7	0.00	4.34	0.01	0	0	0	100	0.00	0.0	6.299	0.069	0	0	1	1
PL.68680	PL.68840	B	6 A (CWC)	7.24Y	120.7	0.00	4.34	1.77	1	12	3	97	0.00	0.0	6.305	0.075	12	3	3	3
PL.68721	PL.68600	B	#4 ACSR	7.24Y	120.7	0.01	4.33	1.35	1	9	2	98	0.00	0.0	6.193	0.101	0	0	0	2
PL.68722	PL.68721	B	#4 ACSR	7.24Y	120.7	0.01	4.34	1.35	1	9	2	98	0.00	0.0	6.306	0.113	0	0	0	2
PL.68596	PL.68722	B	#4 ACSR	7.24Y	120.7	0.00	4.34	1.35	1	9	2	98	0.00	0.0	6.415	0.110	9	2	2	2
PL.68601	PL.68600	B	#4 ACSR	7.24Y	120.7	0.00	4.33	1.83	1	13	3	97	0.00	0.0	6.160	0.069	9	2	1	2
PL.68602	PL.68601	B	#1/0 ACSR	7.24Y	120.7	0.00	4.33	0.50	0	3	1	95	0.00	0.0	6.322	0.162	3	1	1	1
PL.69034	PL.68434	A	#4 ACSR	7.25Y	120.8	0.00	4.20	6.11	5	43	11	97	0.00	0.0	5.523	0.005	0	0	0	7
PD.10345	PL.69034	A	40T	7.25Y	120.8	0.00	4.20	6.11	0	43	11	97	0.00	0.0	5.523	0.005	0	0	0	7
PL.69035	PD.10345	A	#4 ACSR	7.25Y	120.8	0.03	4.22	6.11	5	43	11	97	0.01	0.0	5.623	0.100	0	0	0	7
PL.68604	PL.69035	A	6 A (CWC)	7.24Y	120.7	0.04	4.27	6.11	4	43	11	97	0.01	0.0	5.780	0.158	0	0	0	7
PL.68719	PL.68604	A	6 A (CWC)	7.24Y	120.7	0.02	4.29	6.11	4	43	11	97	0.01	0.0	5.854	0.074	0	0	0	7
PL.68720	PL.68719	A	6 A (CWC)	7.24Y	120.7	0.03	4.32	6.11	4	43	11	97	0.01	0.0	5.975	0.121	0	0	0	7
PL.68605	PL.68720	A	#2 ACSR	7.24Y	120.7	0.01	4.33	6.11	3	43	11	97	0.00	0.0	6.034	0.059	5	1	2	7
PL.68841	PL.68605	A	#2 ACSR	7.24Y	120.7	0.01	4.34	5.46	3	38	10	97	0.00	0.0	6.095	0.061	7	2	1	5
PL.68843	PL.68841	A	#2 ACSR	7.24Y	120.7	0.00	4.34	4.39	3	31	8	97	0.00	0.0	6.131	0.036	10	3	1	4
PL.68844	PL.68843	A	#2 ACSR	7.24Y	120.7	0.00	4.35	2.96	2	21	5	97	0.00	0.0	6.193	0.061	17	5	2	3
PL.68842	PL.68844	A	#2 ACSR	7.24Y	120.7	0.00	4.35	0.49	0	3	1	95	0.00	0.0	6.257	0.064	3	1	1	1
PL.69032	PL.68523	A	#4 ACSR	7.25Y	120.8	0.00	4.17	0.30	0	2	1	89	0.00	0.0	5.407	0.005	0	0	0	1
PD.10344	PL.69032	A	40T	7.25Y	120.8	0.00	4.17	0.30	0	2	1	89	0.00	0.0	5.407	0.005	0	0	0	1
PL.69033	PD.10344	A	#4 ACSR	7.25Y	120.8	0.00	4.17	0.30	0	2	1	89	0.00	0.0	5.421	0.013	2	1	1	1
PL.68432	PL.68431	B	#4 ACSR	7.25Y	120.9	0.00	4.13	1.87	1	13	3	97	0.00	0.0	5.272	0.036	0	0	0	6
PL.68949	PL.68432	B	6 A (CWC)	7.25Y	120.9	0.00	4.13	1.87	1	13	3	97	0.00	0.0	5.277	0.005	0	0	0	6
PD.10277	PL.68949	B	20T	7.25Y	120.9	0.00	4.13	1.87	0	13	3	97	0.00	0.0	5.277	0.005	0	0	0	6
PL.68950	PD.10277	B	6 A (CWC)	7.25Y	120.9	0.00	4.13	1.87	1	13	3	97	0.00	0.0	5.283	0.006	8	2	3	6
PL.68524	PL.68950	B	6 A (CWC)	7.25Y	120.9	0.00	4.13	0.77	1	5	1	98	0.00	0.0	5.339	0.056	0	0	0	3
PL.68433	PL.68524	B	#4 ACSR	7.25Y	120.9	0.00	4.13	0.05	0	0	0	100	0.00	0.0	5.396	0.057	0	0	1	1
PL.68675	PL.68524	B	6 A (CWC)	7.25Y	120.9	0.01	4.13	0.72	1	5	1	98	0.00	0.0	5.496	0.157	0	0	0	2

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Balanced Voltage Drop Report
Source: Tyner

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

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

PL.68439	PL.68675	B	#1/0 ACSR	7.25Y	120.9	0.00	4.13	0.48	0	3	1	95	0.00	0.0	5.607	0.111	3	1	1	1
PL.68440	PL.68675	B	#1/0 ACSR	7.25Y	120.9	0.00	4.13	0.24	0	2	0	100	0.00	0.0	5.564	0.068	2	0	1	1
PL.68940	PL.68431	C	#1/0 ACSR	7.25Y	120.9	0.00	4.12	1.49	1	10	3	96	0.00	0.0	5.241	0.005	0	0	0	1
PD.10343	PL.68940	C	20T	7.25Y	120.9	0.00	4.12	1.49	0	10	3	96	0.00	0.0	5.241	0.005	0	0	0	1
PL.68941	PD.10343	C	#1/0 ACSR	7.25Y	120.9	0.00	4.12	1.49	1	10	3	96	0.00	0.0	5.268	0.027	10	3	1	1
PL.68947	PL.68674	B	#1/0 ACSR	7.25Y	120.9	0.00	4.10	1.33	1	9	2	98	0.00	0.0	5.160	0.005	0	0	0	2
PD.10276	PL.68947	B	40T	7.25Y	120.9	0.00	4.10	1.33	0	9	2	98	0.00	0.0	5.160	0.005	0	0	0	2
PL.68948	PD.10276	B	#1/0 ACSR	7.25Y	120.9	0.00	4.10	1.33	1	9	2	98	0.00	0.0	5.179	0.019	9	2	2	2
PL.68938	PL.68673	A	#4 ACSR	7.26Y	120.9	0.00	4.06	0.50	0	3	1	95	0.00	0.0	5.011	0.005	0	0	0	2
PD.10342	PL.68938	A	40T	7.26Y	120.9	0.00	4.06	0.50	0	3	1	95	0.00	0.0	5.011	0.005	0	0	0	2
PL.68939	PD.10342	A	#4 ACSR	7.26Y	120.9	0.00	4.07	0.50	0	3	1	95	0.00	0.0	5.027	0.016	3	1	2	2
PL.68932	PL.68671	C	6 A (CWC)	7.26Y	121.0	0.00	4.03	0.81	1	6	1	99	0.00	0.0	4.857	0.005	0	0	0	2
PD.10339	PL.68932	C	40T	7.26Y	121.0	0.00	4.03	0.81	0	6	1	99	0.00	0.0	4.857	0.005	0	0	0	2
PL.68933	PD.10339	C	6 A (CWC)	7.26Y	121.0	0.00	4.03	0.81	1	6	1	99	0.00	0.0	4.922	0.065	6	1	2	2
PL.68934	PL.68671	A	#4 ACSR	7.26Y	121.0	0.00	4.03	0.94	1	7	2	96	0.00	0.0	4.857	0.005	0	0	0	5
PD.10340	PL.68934	A	40T	7.26Y	121.0	0.00	4.03	0.94	0	7	2	96	0.00	0.0	4.857	0.005	0	0	0	5
PL.68935	PD.10340	A	#4 ACSR	7.26Y	121.0	0.00	4.03	0.94	1	7	2	96	0.00	0.0	4.914	0.057	7	2	5	5
PL.68930	PL.69085	A	#4 ACSR	7.26Y	121.0	0.00	4.02	2.58	2	18	5	96	0.00	0.0	4.793	0.005	0	0	0	1
PD.10338	PL.68930	A	40T	7.26Y	121.0	0.00	4.02	2.58	0	18	5	96	0.00	0.0	4.793	0.005	0	0	0	1
PL.68931	PD.10338	A	#4 ACSR	7.26Y	121.0	0.00	4.02	2.58	2	18	5	96	0.00	0.0	4.850	0.057	18	5	1	1
PL.68928	PL.69085	C	#4 ACSR	7.26Y	121.0	0.00	4.01	1.02	1	7	2	96	0.00	0.0	4.794	0.005	0	0	0	1
PD.10337	PL.68928	C	40T	7.26Y	121.0	0.00	4.01	1.02	0	7	2	96	0.00	0.0	4.794	0.005	0	0	0	1
PL.68929	PD.10337	C	#4 ACSR	7.26Y	121.0	0.00	4.02	1.02	1	7	2	96	0.00	0.0	4.816	0.022	7	2	1	1
PL.68926	PL.68428	B	#4 ACSR	7.26Y	121.0	0.00	3.99	8.84	7	62	16	97	0.00	0.0	4.688	0.005	0	0	0	11
PD.10336	PL.68926	B	25T	7.26Y	121.0	0.00	3.99	8.84	0	62	16	97	0.00	0.0	4.688	0.005	0	0	0	11
PL.68927	PD.10336	B	#4 ACSR	7.26Y	121.0	0.01	4.00	8.84	7	62	16	97	0.00	0.0	4.707	0.020	19	5	4	11
PL.68520	PL.68927	B	#4 ACSR	7.26Y	121.0	0.01	4.00	6.19	5	43	11	97	0.00	0.0	4.742	0.035	4	1	1	7
PL.68521	PL.68520	B	#4 ACSR	7.26Y	121.0	0.01	4.01	5.67	4	40	11	96	0.00	0.0	4.790	0.048	34	9	5	6
PL.68429	PL.68521	B	#4 ACSR	7.26Y	121.0	0.00	4.01	0.82	1	6	2	95	0.00	0.0	4.873	0.082	6	2	1	1
PL.68924	PL.68667	A	#1/0 ACSR	7.26Y	121.0	0.00	3.96	2.77	1	19	5	97	0.00	0.0	4.613	0.005	0	0	0	7
PD.10335	PL.68924	A	65T	7.26Y	121.0	0.00	3.96	2.77	0	19	5	97	0.00	0.0	4.613	0.005	0	0	0	7

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

PL.68925	PD.10335	A	#1/0 ACSR	7.26Y	121.0	0.00	3.96	2.77	1	19	5	97	0.00	0.0	4.633	0.020	6	2	1	7
PL.68519	PL.68925	A	#1/0 ACSR	7.26Y	121.0	0.00	3.96	1.95	1	14	4	96	0.00	0.0	4.662	0.029	0	0	1	6
PL.68536	PL.68519	A	#4 ACSR	7.26Y	121.0	0.01	3.97	1.94	1	14	4	96	0.00	0.0	4.763	0.101	7	2	1	5
PL.68537	PL.68536	A	#4 ACSR	7.26Y	121.0	0.00	3.97	0.92	1	6	2	95	0.00	0.0	4.827	0.064	0	0	1	4
PL.68535	PL.68537	A	#4 ACSR	7.26Y	121.0	0.01	3.98	0.87	1	6	2	95	0.00	0.0	4.965	0.138	0	0	0	3
PL.68426	PL.68535	A	6 A (CWC)	7.26Y	121.0	0.00	3.98	0.31	0	2	1	89	0.00	0.0	5.066	0.101	2	1	1	1
PL.68669	PL.68535	A	#4 ACSR	7.26Y	121.0	0.00	3.98	0.57	0	4	1	97	0.00	0.0	4.995	0.030	3	1	1	2
PL.68427	PL.68669	A	#4 ACSR	7.26Y	121.0	0.00	3.98	0.21	0	1	0	100	0.00	0.0	5.027	0.032	1	0	1	1
PL.68920	PL.68423	C	#4 ACSR	7.26Y	121.1	0.00	3.94	1.96	2	14	4	96	0.00	0.0	4.573	0.005	0	0	0	3
PD.10333	PL.68920	C	65T	7.26Y	121.1	0.00	3.94	1.96	0	14	4	96	0.00	0.0	4.573	0.005	0	0	0	3
PL.68921	PD.10333	C	#4 ACSR	7.26Y	121.1	0.00	3.95	1.96	2	14	4	96	0.00	0.0	4.593	0.020	10	3	1	3
PL.68517	PL.68921	C	#4 ACSR	7.26Y	121.1	0.00	3.95	0.60	0	4	1	97	0.00	0.0	4.628	0.036	4	1	2	2
PL.68922	PL.68423	A	#4 ACSR	7.26Y	121.1	0.00	3.94	3.74	3	26	7	97	0.00	0.0	4.573	0.005	0	0	0	7
PD.10334	PL.68922	A	25T	7.26Y	121.1	0.00	3.94	3.74	0	26	7	97	0.00	0.0	4.573	0.005	0	0	0	7
PL.68923	PD.10334	A	#4 ACSR	7.26Y	121.1	0.00	3.95	3.74	3	26	7	97	0.00	0.0	4.604	0.031	5	1	1	7
PL.68518	PL.68923	A	#4 ACSR	7.26Y	121.0	0.00	3.95	2.97	2	21	6	96	0.00	0.0	4.609	0.006	0	0	0	6
PL.68425	PL.68518	A	#4 ACSR	7.26Y	121.0	0.00	3.95	2.97	2	21	6	96	0.00	0.0	4.627	0.018	21	6	6	6
PL.68912	PL.68417	C	6 A (CWC)	7.27Y	121.1	0.00	3.87	3.19	2	22	6	96	0.00	0.0	4.400	0.005	0	0	0	6
PD.10329	PL.68912	C	20T	7.27Y	121.1	0.00	3.87	3.19	0	22	6	96	0.00	0.0	4.400	0.005	0	0	0	6
PL.68913	PD.10329	C	6 A (CWC)	7.27Y	121.1	0.01	3.88	3.19	2	22	6	96	0.00	0.0	4.463	0.063	2	1	3	6
PL.68665	PL.68913	C	6 A (CWC)	7.27Y	121.1	0.00	3.88	0.86	1	6	2	95	0.00	0.0	4.518	0.055	6	2	1	1
PL.68418	PL.68913	C	6 A (CWC)	7.27Y	121.1	0.01	3.89	2.02	1	14	4	96	0.00	0.0	4.560	0.097	0	0	0	2
PL.68420	PL.68418	C	#4 ACSR	7.27Y	121.1	0.00	3.89	0.59	0	4	1	97	0.00	0.0	4.599	0.038	4	1	1	1
PL.68421	PL.68418	C	6 A (CWC)	7.27Y	121.1	0.00	3.89	1.43	1	10	3	96	0.00	0.0	4.597	0.037	0	0	0	1
PL.68419	PL.68421	C	#1/0 ACSR	7.27Y	121.1	0.00	3.89	1.43	1	10	3	96	0.00	0.0	4.618	0.021	10	3	1	1
PL.68509	PL.68419	C	#1/0 ACSR	7.27Y	121.1	0.00	3.89	0.00	0	0	0	100	0.00	0.0	4.663	0.044	0	0	0	0
PL.68510	PL.68509	C	#1/0 ACSR	7.27Y	121.1	0.00	3.89	0.00	0	0	0	100	0.00	0.0	4.695	0.032	0	0	0	0
PL.68910	PL.68792	C	#1/0 ACSR	7.27Y	121.2	0.00	3.80	2.66	1	19	5	97	0.00	0.0	4.252	0.005	0	0	0	2
PD.10328	PL.68910	C	30T	7.27Y	121.2	0.00	3.80	2.66	0	19	5	97	0.00	0.0	4.252	0.005	0	0	0	2
PL.68911	PD.10328	C	#1/0 ACSR	7.27Y	121.2	0.00	3.80	2.66	1	19	5	97	0.00	0.0	4.275	0.023	0	0	0	2
PL.68663	PL.68911	C	#1/0 ACSR	7.27Y	121.2	0.00	3.81	1.87	1	13	3	97	0.00	0.0	4.323	0.048	13	3	1	1

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.68896	PL.68911	C	1/0 AL URD	7.27Y	121.2	0.00	3.80	0.79	0	6	1	99	0.00	0.0	4.279	0.005	0	0	0	1
PD.10273	PL.68896	C	20T	7.27Y	121.2	0.00	3.80	0.79	0	6	1	99	0.00	0.0	4.279	0.005	0	0	0	1
PL.68942	PD.10273	C	1/0 AL URD	7.27Y	121.2	0.00	3.80	0.79	0	6	1	99	0.00	0.0	4.291	0.011	6	1	1	1
PL.68493	PL.68411	ABC	#2 ACSR	7.28Y	121.3	0.00	3.73	3.85	2	76	36	90	0.00	0.0	4.106	0.027	71	35	1	2
PL.68494	PL.68493	C	#2 ACSR	7.28Y	121.3	0.00	3.73	0.68	0	5	1	98	0.00	0.0	4.117	0.012	5	1	1	1
PL.68908	PL.69087	C	#1/0 ACSR	7.28Y	121.3	0.00	3.69	2.13	1	15	4	97	0.00	0.0	4.010	0.005	0	0	0	1
PD.10327	PL.68908	C	65T	7.28Y	121.3	0.00	3.69	2.13	0	15	4	97	0.00	0.0	4.010	0.005	0	0	0	1
PL.68909	PD.10327	C	#1/0 ACSR	7.28Y	121.3	0.00	3.69	2.13	1	15	4	97	0.00	0.0	4.077	0.066	0	0	0	1
PL.68955	PL.68909	C	1/0 AL URD	7.28Y	121.3	0.00	3.69	2.13	1	15	4	97	0.00	0.0	4.081	0.005	0	0	0	1
PD.10280	PL.68955	C	40T	7.28Y	121.3	0.00	3.69	2.13	0	15	4	97	0.00	0.0	4.081	0.005	0	0	0	1
PL.68956	PD.10280	C	1/0 AL URD	7.28Y	121.3	0.00	3.69	2.13	1	15	4	97	0.00	0.0	4.107	0.026	15	4	1	1
CP.107	PL.69086	ABC	Cap (300)	7.28Y	121.3	0.00	3.67	0.00	0	0	0	100	0.00	0.0	3.970	0.026	0	0	0	0
PL.68906	PL.68791	C	#4 ACSR	7.28Y	121.4	0.00	3.64	0.38	0	3	1	95	0.00	0.0	3.917	0.005	0	0	0	1
PD.10326	PL.68906	C	65T	7.28Y	121.4	0.00	3.64	0.38	0	3	1	95	0.00	0.0	3.917	0.005	0	0	0	1
PL.68907	PD.10326	C	#4 ACSR	7.28Y	121.4	0.00	3.64	0.38	0	3	1	95	0.00	0.0	3.978	0.062	3	1	1	1
PL.68904	PL.68788	C	#4 ACSR	7.29Y	121.5	0.00	3.51	1.90	1	13	4	96	0.00	0.0	3.665	0.005	0	0	0	6
PD.10325	PL.68904	C	65T	7.29Y	121.5	0.00	3.51	1.90	0	13	4	96	0.00	0.0	3.665	0.005	0	0	0	6
PL.68905	PD.10325	C	#4 ACSR	7.29Y	121.5	0.00	3.51	1.90	1	13	4	96	0.00	0.0	3.691	0.025	0	0	0	6
PL.68410	PL.68905	C	#4 ACSR	7.29Y	121.5	0.00	3.51	0.75	1	5	1	98	0.00	0.0	3.738	0.047	5	1	1	1
PL.68661	PL.68905	C	#4 ACSR	7.29Y	121.5	0.00	3.51	0.38	0	3	1	95	0.00	0.0	3.723	0.032	3	1	4	4
PL.68409	PL.68905	C	#4 ACSR	7.29Y	121.5	0.00	3.51	0.76	1	5	1	98	0.00	0.0	3.720	0.030	5	1	1	1
PL.68902	PL.68655	C	#4 ACSR	7.29Y	121.6	0.00	3.45	0.74	1	5	1	98	0.00	0.0	3.553	0.005	0	0	0	4
PD.10324	PL.68902	C	20T	7.29Y	121.6	0.00	3.45	0.74	0	5	1	98	0.00	0.0	3.553	0.005	0	0	0	4
PL.68903	PD.10324	C	#4 ACSR	7.29Y	121.6	0.00	3.45	0.74	1	5	1	98	0.00	0.0	3.583	0.030	5	1	4	4
PL.69078	PL.68655	B	6 A (CWC)	7.29Y	121.6	0.00	3.45	13.24	9	93	25	97	0.00	0.0	3.551	0.003	0	0	0	24
PD.10369	PL.69078	B	50L	7.29Y	121.6	0.00	3.45	13.24	26	93	25	97	0.00	0.0	3.551	0.003	0	0	0	24
PL.69079	PD.10369	B	6 A (CWC)	7.29Y	121.5	0.04	3.49	13.24	9	93	25	97	0.03	0.0	3.622	0.071	4	1	2	24
PL.68786	PL.69079	B	6 A (CWC)	7.29Y	121.5	0.02	3.51	12.61	9	89	23	97	0.01	0.0	3.656	0.034	8	2	2	22
PL.68789	PL.68786	B	6 A (CWC)	7.28Y	121.4	0.08	3.59	11.54	8	81	21	97	0.05	0.1	3.823	0.167	6	2	1	20
PL.68790	PL.68789	B	6 A (CWC)	7.28Y	121.4	0.02	3.61	10.63	8	75	20	97	0.01	0.0	3.855	0.032	0	0	0	19
PL.68658	PL.68790	B	6 A (CWC)	7.28Y	121.4	0.01	3.62	4.17	3	29	8	96	0.00	0.0	3.902	0.047	2	1	1	7

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Balanced Voltage Drop Report
Source: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.68404	PL.68658	B	6 A (CWC)	7.28Y	121.4	0.01	3.63	3.89	3	27	7	97	0.00	0.0	3.985	0.083	0	0	0	6
PL.68497	PL.68404	B	6 A (CWC)	7.28Y	121.4	0.01	3.65	3.89	3	27	7	97	0.00	0.0	4.068	0.083	0	0	0	6
PL.68498	PL.68497	B	#4 ACSR	7.28Y	121.4	0.00	3.65	0.00	0	0	0	100	0.00	0.0	4.159	0.091	0	0	0	0
PL.68660	PL.68497	B	6 A (CWC)	7.28Y	121.3	0.02	3.66	3.89	3	27	7	97	0.00	0.0	4.156	0.088	0	0	0	6
PL.68499	PL.68660	B	6 A (CWC)	7.28Y	121.3	0.00	3.66	0.21	0	2	0	100	0.00	0.0	4.241	0.085	2	0	1	1
PL.68500	PL.68660	B	6 A (CWC)	7.28Y	121.3	0.02	3.68	3.68	3	26	7	97	0.00	0.0	4.272	0.116	0	0	0	5
PL.68502	PL.68500	B	6 A (CWC)	7.28Y	121.3	0.01	3.69	1.92	1	14	4	96	0.00	0.0	4.365	0.093	0	0	0	3
PL.68717	PL.68502	B	6 A (CWC)	7.28Y	121.3	0.01	3.70	1.92	1	13	4	96	0.00	0.0	4.510	0.144	0	0	0	3
PL.68718	PL.68717	B	6 A (CWC)	7.28Y	121.3	0.00	3.71	1.92	1	13	4	96	0.00	0.0	4.561	0.052	0	0	0	3
PL.68835	PL.68718	B	6 A (CWC)	7.28Y	121.3	0.00	3.71	0.84	1	6	2	95	0.00	0.0	4.644	0.083	6	2	2	2
PL.68836	PL.68835	B	6 A (CWC)	7.28Y	121.3	0.00	3.71	0.00	0	0	0	100	0.00	0.0	4.752	0.108	0	0	0	0
PL.68503	PL.68718	B	6 A (CWC)	7.28Y	121.3	0.00	3.71	1.07	1	8	2	97	0.00	0.0	4.627	0.066	8	2	1	1
PL.68504	PL.68503	B	#4 ACSR	7.28Y	121.3	0.00	3.71	0.00	0	0	0	100	0.00	0.0	4.737	0.110	0	0	0	0
PL.68501	PL.68500	B	6 A (CWC)	7.28Y	121.3	0.01	3.69	1.76	1	12	3	97	0.00	0.0	4.419	0.147	12	3	2	2
PL.68405	PL.68790	B	#4 ACSR	7.28Y	121.4	0.02	3.63	6.46	5	46	12	97	0.01	0.0	3.926	0.072	1	0	1	12
PL.68814	PL.68405	B	#4 ACSR	7.28Y	121.4	0.02	3.64	5.26	4	37	10	97	0.00	0.0	4.008	0.082	9	2	1	7
PL.68815	PL.68814	B	#4 ACSR	7.28Y	121.4	0.00	3.65	3.95	3	28	7	97	0.00	0.0	4.027	0.019	7	2	2	6
PL.68813	PL.68815	B	#1/0 ACSR	7.28Y	121.3	0.01	3.65	3.00	1	21	5	97	0.00	0.0	4.134	0.107	7	2	1	4
PL.68812	PL.68813	B	#1/0 ACSR	7.28Y	121.3	0.00	3.66	2.05	1	14	4	96	0.00	0.0	4.169	0.035	0	0	1	3
PL.68495	PL.68812	B	#1/0 ACSR	7.28Y	121.3	0.00	3.66	2.02	1	14	4	96	0.00	0.0	4.237	0.068	8	2	1	2
PL.68957	PL.68495	B	1/0 AL URD	7.28Y	121.3	0.00	3.66	0.87	1	6	1	99	0.00	0.0	4.242	0.005	0	0	0	1
PD.10281	PL.68957	B	20T	7.28Y	121.3	0.00	3.66	0.87	0	6	1	99	0.00	0.0	4.242	0.005	0	0	0	1
PL.68958	PD.10281	B	1/0 AL URD	7.28Y	121.3	0.00	3.66	0.87	1	6	1	99	0.00	0.0	4.281	0.040	6	2	1	1
PL.68406	PL.68405	B	#4 ACSR	7.28Y	121.4	0.00	3.63	1.12	1	8	2	97	0.00	0.0	3.969	0.043	0	0	2	4
PL.68659	PL.68406	B	#4 ACSR	7.28Y	121.4	0.00	3.63	0.00	0	0	0	100	0.00	0.0	4.032	0.063	0	0	0	0
PL.68407	PL.68406	B	#4 ACSR	7.28Y	121.4	0.00	3.63	1.12	1	8	2	97	0.00	0.0	4.062	0.093	0	0	0	2
PL.68408	PL.68407	B	#4 ACSR	7.28Y	121.4	0.00	3.64	1.12	1	8	2	97	0.00	0.0	4.193	0.131	8	2	2	2
PL.68398	PL.68397	B	#1/0 ACSR	7.30Y	121.6	0.01	3.37	6.19	3	44	12	96	0.00	0.0	3.449	0.043	0	0	0	10
PL.68399	PL.68398	B	#4 ACSR	7.30Y	121.6	0.00	3.37	6.19	5	44	12	96	0.00	0.0	3.454	0.005	0	0	0	10
PD.10272	PL.68399	B	20T	7.30Y	121.6	0.00	3.37	6.19	0	44	12	96	0.00	0.0	3.454	0.005	0	0	0	10
PL.68656	PD.10272	B	#4 ACSR	7.30Y	121.6	0.00	3.38	4.59	4	32	9	96	0.00	0.0	3.475	0.021	0	0	0	6

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Balanced Voltage Drop Report
Source: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.68657	PL.68656	B	#4 ACSR	7.30Y	121.6	0.02	3.40	3.85	3	27	7	97	0.00	0.0	3.602	0.127	4	1	1	5
PL.68810	PL.68657	B	#4 ACSR	7.30Y	121.6	0.01	3.40	3.28	3	23	6	97	0.00	0.0	3.638	0.036	0	0	1	4
PL.68811	PL.68810	B	#4 ACSR	7.30Y	121.6	0.01	3.41	3.28	3	23	6	97	0.00	0.0	3.713	0.076	7	2	1	3
PL.68809	PL.68811	B	#4 ACSR	7.30Y	121.6	0.00	3.42	2.34	2	17	4	97	0.00	0.0	3.769	0.055	8	2	1	2
PL.68492	PL.68809	B	#1/0 ACSR	7.29Y	121.6	0.00	3.42	1.26	1	9	2	98	0.00	0.0	3.883	0.114	9	2	1	1
PL.68400	PL.68656	B	#1/0 ACSR	7.30Y	121.6	0.00	3.38	0.74	0	5	1	98	0.00	0.0	3.493	0.018	5	1	1	1
PL.68401	PD.10272	B	#1/0 ACSR	7.30Y	121.6	0.00	3.37	1.60	1	11	3	96	0.00	0.0	3.520	0.066	4	1	2	4
PL.68403	PL.68401	B	#1/0 ACSR	7.30Y	121.6	0.00	3.38	1.01	0	7	2	96	0.00	0.0	3.604	0.085	0	0	0	1
PL.68491	PL.68403	B	#4 ACSR	7.30Y	121.6	0.00	3.38	1.01	1	7	2	96	0.00	0.0	3.647	0.042	7	2	1	1
PL.68402	PL.68401	B	#4 ACSR	7.30Y	121.6	0.00	3.37	0.03	0	0	0	100	0.00	0.0	3.554	0.034	0	0	1	1
PL.68395	PL.68714	ABC	#1/0 ACSR	7.31Y	121.9	0.00	3.10	16.26	7	322	154	90	0.00	0.0	2.963	0.005	0	0	0	2
PD.10360	PL.68395	ABC	65T	7.31Y	121.9	0.00	3.10	16.26	0	322	154	90	0.00	0.0	2.963	0.005	0	0	0	2
PL.68653	PD.10360	ABC	#1/0 ACSR	7.31Y	121.9	0.00	3.10	16.26	7	322	154	90	0.00	0.0	2.969	0.005	0	0	0	2
PL.68396	PL.68653	ABC	#4 ACSR	7.31Y	121.8	0.06	3.16	16.26	13	322	154	90	0.16	0.1	3.064	0.096	0	0	0	2
PL.67990	PL.68396	ABC	#4 ACSR	7.31Y	121.8	0.06	3.22	16.00	12	316	153	90	0.16	0.1	3.163	0.098	0	0	0	1
PL.67991	PL.67990	ABC	#1/0 ACSR	7.31Y	121.8	0.01	3.24	16.00	7	316	153	90	0.03	0.0	3.205	0.042	0	0	0	1
PL.69060	PL.67991	ABC	1/0 AL URD	7.31Y	121.8	0.00	3.24	16.00	9	316	153	90	0.00	0.0	3.210	0.005	0	0	0	1
PD.10358	PL.69060	ABC	40T	7.31Y	121.8	0.00	3.24	16.00	0	316	153	90	0.00	0.0	3.210	0.005	0	0	0	1
PL.69061	PD.10358	ABC	1/0 AL URD	7.31Y	121.8	0.00	3.24	16.00	9	316	153	90	0.00	0.0	3.219	0.009	316	153	1	1
PL.68961	PL.68396	A	#1/0 ACSR	7.31Y	121.8	0.00	3.16	0.80	0	6	1	99	0.00	0.0	3.069	0.005	0	0	0	1
PD.10283	PL.68961	A	40T	7.31Y	121.8	0.00	3.16	0.80	0	6	1	99	0.00	0.0	3.069	0.005	0	0	0	1
PL.68962	PD.10283	A	#1/0 ACSR	7.31Y	121.8	0.00	3.16	0.80	0	6	1	99	0.00	0.0	3.117	0.047	6	1	1	1
PL.69027	PL.68366	A	#4 ACSR	7.34Y	122.3	0.00	2.72	2.45	2	17	5	96	0.00	0.0	2.445	0.005	0	0	0	1
PD.10319	PL.69027	A	20T	7.34Y	122.3	0.00	2.72	2.45	0	17	5	96	0.00	0.0	2.445	0.005	0	0	0	1
PL.69028	PD.10319	A	#4 ACSR	7.34Y	122.3	0.00	2.72	2.45	2	17	5	96	0.00	0.0	2.496	0.051	17	5	1	1
PL.68368	PL.68366	C	#4 ACSR	7.34Y	122.3	0.00	2.72	2.25	2	16	4	97	0.00	0.0	2.445	0.005	0	0	0	3
PD.10318	PL.68368	C	20T	7.34Y	122.3	0.00	2.72	2.25	0	16	4	97	0.00	0.0	2.445	0.005	0	0	0	3
PL.68645	PD.10318	C	#4 ACSR	7.34Y	122.3	0.00	2.72	0.63	0	5	1	98	0.00	0.0	2.509	0.064	5	1	1	1
PL.68367	PD.10318	C	#4 ACSR	7.34Y	122.3	0.00	2.72	1.61	1	11	3	96	0.00	0.0	2.537	0.092	11	3	2	2
PL.68369	PL.68366	ABC	#1/0 ACSR	7.34Y	122.3	0.02	2.74	13.03	6	277	74	97	0.05	0.0	2.543	0.102	0	0	0	59
PL.69082	PL.68369	ABC	#1/0 ACSR	7.34Y	122.3	0.00	2.74	13.03	6	277	73	97	0.00	0.0	2.545	0.003	0	0	0	59

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Balanced Voltage Drop Report
Source: Tyner

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

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

PD.10372	PL.69082	ABC	35L	7.34Y	122.3	0.00	2.74	13.03	37	277	73	97	0.00	0.0	2.545	0.003	0	0	0	59
PL.69083	PD.10372	ABC	#1/0 ACSR	7.33Y	122.2	0.03	2.77	13.03	6	277	73	97	0.05	0.0	2.665	0.120	0	0	0	59
PL.68711	PL.69083	ABC	#1/0 ACSR	7.33Y	122.2	0.03	2.80	13.03	6	277	73	97	0.05	0.0	2.782	0.117	0	0	0	59
PL.68370	PL.68711	C	#4 ACSR	7.33Y	122.2	0.00	2.80	0.94	1	7	2	96	0.00	0.0	2.861	0.079	0	0	1	2
PL.68371	PL.68370	C	#1/0 ACSR	7.33Y	122.2	0.00	2.80	0.93	0	7	2	96	0.00	0.0	2.882	0.021	7	2	1	1
PL.68373	PL.68711	B	6 A (CWC)	7.33Y	122.2	0.04	2.84	8.42	6	60	16	97	0.02	0.0	2.896	0.114	0	0	0	21
PL.68736	PL.68373	B	#4 ACSR	7.33Y	122.1	0.01	2.85	3.24	2	23	6	97	0.00	0.0	2.976	0.081	3	1	4	9
PL.67992	PL.68736	B	#2 ACSR	7.33Y	122.1	0.00	2.85	0.32	0	2	1	89	0.00	0.0	3.124	0.147	2	1	2	2
PL.68737	PL.68736	B	#4 ACSR	7.33Y	122.1	0.01	2.86	2.46	2	17	5	96	0.00	0.0	3.048	0.071	9	2	2	3
PL.67994	PL.68737	B	#1/0 ACSR	7.33Y	122.1	0.00	2.86	1.25	1	9	2	98	0.00	0.0	3.089	0.041	9	2	1	1
PL.67993	PL.68373	B	6 A (CWC)	7.33Y	122.1	0.02	2.86	5.18	4	37	10	97	0.00	0.0	2.988	0.092	10	3	3	12
PL.67995	PL.67993	B	#4 ACSR	7.33Y	122.1	0.00	2.86	0.00	0	0	0	100	0.00	0.0	3.034	0.046	0	0	0	0
PL.68819	PL.67993	B	6 A (CWC)	7.33Y	122.1	0.01	2.87	3.80	3	27	7	97	0.00	0.0	3.068	0.080	6	2	2	9
PL.68820	PL.68819	B	6 A (CWC)	7.33Y	122.1	0.01	2.88	3.00	2	21	6	96	0.00	0.0	3.137	0.069	5	1	3	7
PL.68818	PL.68820	B	6 A (CWC)	7.33Y	122.1	0.00	2.88	2.31	2	16	4	97	0.00	0.0	3.160	0.023	0	0	0	4
PL.67996	PL.68818	B	6 A (CWC)	7.33Y	122.1	0.01	2.89	2.31	2	16	4	97	0.00	0.0	3.260	0.100	0	0	1	4
PL.67997	PL.67996	B	#4 ACSR	7.33Y	122.1	0.00	2.89	2.29	2	16	4	97	0.00	0.0	3.275	0.016	0	0	0	3
PL.67998	PL.67997	B	#4 ACSR	7.33Y	122.1	0.00	2.90	0.63	0	4	1	97	0.00	0.0	3.342	0.066	4	1	1	1
PL.68822	PL.67997	B	#4 ACSR	7.33Y	122.1	0.00	2.90	1.65	1	12	3	97	0.00	0.0	3.311	0.036	0	0	0	2
PL.68823	PL.68822	B	#4 ACSR	7.33Y	122.1	0.00	2.90	1.65	1	12	3	97	0.00	0.0	3.324	0.013	8	2	1	2
PL.68821	PL.68823	B	#4 ACSR	7.33Y	122.1	0.00	2.90	0.50	0	4	1	97	0.00	0.0	3.382	0.058	4	1	1	1
PL.68372	PL.68711	A	#4 ACSR	7.32Y	122.0	0.24	3.04	29.72	23	211	56	97	0.37	0.2	2.970	0.188	15	4	2	36
PL.68374	PL.68372	A	6 A (CWC)	7.31Y	121.8	0.21	3.24	27.63	20	195	52	97	0.31	0.2	3.134	0.165	0	0	0	34
PL.68375	PL.68374	A	#4 ACSR	7.31Y	121.8	0.00	3.25	1.14	1	8	2	97	0.00	0.0	3.245	0.111	8	2	1	1
PL.68376	PL.68374	A	6 A (CWC)	7.30Y	121.6	0.11	3.35	26.49	19	187	49	97	0.16	0.1	3.226	0.092	0	0	0	33
PL.68377	PL.68376	A	6 A (CWC)	7.30Y	121.6	0.01	3.37	5.91	4	42	11	97	0.00	0.0	3.274	0.048	0	0	1	7
PL.68379	PL.68377	A	6 A (CWC)	7.30Y	121.6	0.02	3.39	4.29	3	30	8	97	0.00	0.0	3.375	0.101	0	0	0	4
PL.67999	PL.68379	A	6 A (CWC)	7.30Y	121.6	0.02	3.41	4.29	3	30	8	97	0.01	0.0	3.492	0.116	0	0	0	4
PL.68000	PL.67999	A	6 A (CWC)	7.29Y	121.6	0.02	3.43	4.29	3	30	8	97	0.00	0.0	3.597	0.105	0	0	0	4
PL.68002	PL.68000	A	6 A (CWC)	7.29Y	121.6	0.00	3.43	1.47	1	10	3	96	0.00	0.0	3.660	0.063	10	3	1	1
PL.68001	PL.68000	A	#4 ACSR	7.29Y	121.5	0.02	3.45	2.82	2	20	5	97	0.00	0.0	3.782	0.185	0	0	0	3

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Balanced Voltage Drop Report
Source: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.68798	PL.68001	A	#4 ACSR	7.29Y	121.5	0.00	3.46	1.67	1	12	3	97	0.00	0.0	3.893	0.111	12	3	1	2
PL.68799	PL.68798	A	#4 ACSR	7.29Y	121.5	0.00	3.46	0.00	0	0	0	100	0.00	0.0	3.957	0.063	0	0	1	1
PL.68490	PL.68001	A	#4 ACSR	7.29Y	121.5	0.00	3.46	1.14	1	8	2	97	0.00	0.0	3.840	0.058	8	2	1	1
PL.68378	PL.68377	A	#4 ACSR	7.30Y	121.6	0.00	3.37	1.58	1	11	3	96	0.00	0.0	3.341	0.066	0	0	0	2
PL.68894	PL.68378	A	#1/0 ACSR	7.30Y	121.6	0.00	3.37	1.58	1	11	3	96	0.00	0.0	3.345	0.005	0	0	0	2
PD.10271	PL.68894	A	15T	7.30Y	121.6	0.00	3.37	1.58	0	11	3	96	0.00	0.0	3.345	0.005	0	0	0	2
PL.68895	PD.10271	A	#1/0 ACSR	7.30Y	121.6	0.00	3.37	1.58	1	11	3	96	0.00	0.0	3.392	0.047	0	0	0	2
PL.69029	PL.68895	A	1/0 AL URD	7.30Y	121.6	0.00	3.37	1.58	1	11	3	96	0.00	0.0	3.396	0.005	0	0	0	2
PD.10320	PL.69029	A	10T	7.30Y	121.6	0.00	3.37	1.58	0	11	3	96	0.00	0.0	3.396	0.005	0	0	0	2
PL.69030	PD.10320	A	1/0 AL URD	7.30Y	121.6	0.00	3.37	1.58	1	11	3	96	0.00	0.0	3.426	0.030	11	3	2	2
PL.68647	PL.68376	A	6 A (CWC)	7.29Y	121.5	0.13	3.48	17.49	12	123	33	97	0.12	0.1	3.386	0.160	0	0	0	23
PL.68382	PL.68647	A	6 A (CWC)	7.29Y	121.5	0.00	3.49	1.79	1	13	3	97	0.00	0.0	3.465	0.079	13	3	1	1
PL.68778	PL.68647	A	#4 ACSR	7.29Y	121.5	0.01	3.49	2.93	2	21	5	97	0.00	0.0	3.465	0.079	5	1	2	4
PL.68779	PL.68778	A	#4 ACSR	7.29Y	121.5	0.01	3.50	2.21	2	16	4	97	0.00	0.0	3.592	0.127	0	0	0	2
PL.68384	PL.68779	A	#4 ACSR	7.29Y	121.5	0.01	3.51	2.21	2	16	4	97	0.00	0.0	3.647	0.055	0	0	0	2
PL.68649	PL.68384	A	#1/0 ACSR	7.29Y	121.5	0.00	3.51	1.32	1	9	2	98	0.00	0.0	3.818	0.171	9	2	1	1
PL.68385	PL.68384	A	#1/0 ACSR	7.29Y	121.5	0.00	3.51	0.89	0	6	2	95	0.00	0.0	3.689	0.042	6	2	1	1
PL.68383	PL.68647	A	6 A (CWC)	7.29Y	121.5	0.04	3.52	12.76	9	90	24	97	0.03	0.0	3.457	0.071	0	0	0	18
PL.68648	PL.68383	A	6 A (CWC)	7.29Y	121.5	0.02	3.54	11.59	8	82	22	97	0.01	0.0	3.498	0.041	6	2	1	17
PL.68782	PL.68648	A	6 A (CWC)	7.29Y	121.4	0.01	3.55	3.26	2	23	6	97	0.00	0.0	3.561	0.063	6	1	1	4
PL.68783	PL.68782	A	6 A (CWC)	7.29Y	121.4	0.01	3.56	2.45	2	17	5	96	0.00	0.0	3.668	0.107	0	0	0	3
PL.68650	PL.68783	A	6 A (CWC)	7.29Y	121.4	0.00	3.57	1.56	1	11	3	96	0.00	0.0	3.731	0.063	0	0	0	2
PL.68388	PL.68650	A	6 A (CWC)	7.29Y	121.4	0.00	3.57	1.56	1	11	3	96	0.00	0.0	3.769	0.038	11	3	2	2
PL.68387	PL.68783	A	#4 ACSR	7.29Y	121.4	0.00	3.57	0.90	1	6	2	95	0.00	0.0	3.741	0.073	6	2	1	1
PL.68389	PL.68648	A	6 A (CWC)	7.29Y	121.4	0.02	3.56	4.23	3	30	8	97	0.00	0.0	3.580	0.082	0	0	0	8
PL.68651	PL.68389	A	6 A (CWC)	7.29Y	121.4	0.00	3.56	3.57	3	25	7	96	0.00	0.0	3.613	0.033	9	2	2	5
PL.68392	PL.68651	A	6 A (CWC)	7.29Y	121.4	0.01	3.57	2.35	2	17	4	97	0.00	0.0	3.725	0.112	17	4	3	3
PL.68391	PL.68389	A	#1/0 ACSR	7.29Y	121.4	0.00	3.56	0.04	0	0	0	100	0.00	0.0	3.595	0.015	0	0	1	1
PL.68784	PL.68389	A	6 A (CWC)	7.29Y	121.4	0.00	3.56	0.63	0	4	1	97	0.00	0.0	3.695	0.116	2	1	1	2
PL.68785	PL.68784	A	6 A (CWC)	7.29Y	121.4	0.00	3.56	0.29	0	2	1	89	0.00	0.0	3.773	0.078	0	0	0	1
PL.68393	PL.68785	A	6 A (CWC)	7.29Y	121.4	0.00	3.56	0.29	0	2	1	89	0.00	0.0	3.831	0.058	2	1	1	1

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Balanced Voltage Drop Report
Source: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.68780	PL.68648	A	6 A (CWC)	7.29Y	121.5	0.01	3.55	3.26	2	23	6	97	0.00	0.0	3.535	0.037	2	0	1	4
PL.68781	PL.68780	A	6 A (CWC)	7.29Y	121.4	0.01	3.56	3.00	2	21	5	97	0.00	0.0	3.613	0.079	9	2	2	3
PL.68390	PL.68781	A	#1/0 ACSR	7.29Y	121.4	0.00	3.56	1.71	1	12	3	97	0.00	0.0	3.631	0.017	0	0	0	1
PL.69031	PL.68390	A	1/0 AL URD	7.29Y	121.4	0.00	3.56	1.71	1	12	3	97	0.00	0.0	3.635	0.005	0	0	0	1
PD.10321	PL.69031	A	15T	7.29Y	121.4	0.00	3.56	1.71	0	12	3	97	0.00	0.0	3.635	0.005	0	0	0	1
PL.68897	PD.10321	A	1/0 AL URD	7.29Y	121.4	0.00	3.56	1.71	1	12	3	97	0.00	0.0	3.653	0.018	12	3	1	1
PL.68386	PL.68383	A	#4 ACSR	7.29Y	121.5	0.00	3.52	1.17	1	8	2	97	0.00	0.0	3.495	0.038	8	2	1	1
PL.68734	PL.68376	A	#4 ACSR	7.30Y	121.6	0.01	3.37	3.10	2	22	6	96	0.00	0.0	3.313	0.087	0	0	0	3
PL.68380	PL.68734	A	#4 ACSR	7.30Y	121.6	0.00	3.37	0.99	1	7	2	96	0.00	0.0	3.357	0.044	7	2	1	1
PL.68735	PL.68734	A	#4 ACSR	7.30Y	121.6	0.00	3.37	2.10	2	15	4	97	0.00	0.0	3.381	0.068	7	2	1	2
PL.68381	PL.68735	A	#4 ACSR	7.30Y	121.6	0.00	3.37	1.13	1	8	2	97	0.00	0.0	3.434	0.054	8	2	1	1
PL.69025	PL.68710	C	#4 ACSR	7.35Y	122.4	0.00	2.56	1.12	1	8	2	97	0.00	0.0	2.259	0.005	0	0	0	2
PD.10317	PL.69025	C	65T	7.35Y	122.4	0.00	2.56	1.12	0	8	2	97	0.00	0.0	2.259	0.005	0	0	0	2
PL.69026	PD.10317	C	#4 ACSR	7.35Y	122.4	0.00	2.56	1.12	1	8	2	97	0.00	0.0	2.293	0.035	8	2	2	2
PL.68365	PL.68710	ABC	#1/0 ACSR	7.35Y	122.4	0.01	2.57	7.90	3	168	47	96	0.01	0.0	2.312	0.059	0	0	0	38
PL.69074	PL.68365	ABC	#1/0 ACSR	7.35Y	122.4	0.00	2.57	7.90	3	167	47	96	0.00	0.0	2.317	0.005	0	0	0	38
PD.10367-A	PL.69074	ABC	Closed	7.35Y	122.4	0.00	2.57	7.90	0	167	47	96	0.00	0.0	2.317	0.005	0	0	0	38
PD.10367-B	PD.10367-A	ABC	Closed	7.35Y	122.4	0.00	2.57	7.90	0	167	47	96	0.00	0.0	2.317	0.005	0	0	0	38
PL.69075	PD.10367-B	ABC	#1/0 ACSR	7.35Y	122.4	0.00	2.57	7.90	3	167	47	96	0.00	0.0	2.334	0.017	0	0	0	38
PL.68638	PL.69075	ABC	#1/0 ACSR	7.35Y	122.4	0.00	2.57	0.69	0	14	7	89	0.00	0.0	2.435	0.101	14	7	2	2
PL.68473	PL.69075	C	#4 ACSR	7.34Y	122.3	0.09	2.66	21.65	17	154	41	97	0.10	0.1	2.425	0.091	0	0	0	36
PL.68639	PL.68473	C	#4 ACSR	7.34Y	122.3	0.00	2.66	21.65	17	154	41	97	0.00	0.0	2.428	0.003	0	0	0	36
PD.10370	PL.68639	C	50L	7.34Y	122.3	0.00	2.66	21.65	43	154	41	97	0.00	0.0	2.428	0.003	0	0	0	36
PL.68474	PD.10370	C	#4 ACSR	7.33Y	122.2	0.09	2.75	19.24	15	137	36	97	0.10	0.1	2.538	0.110	0	0	0	32
PL.68475	PL.68474	C	#4 ACSR	7.33Y	122.2	0.00	2.76	0.93	1	7	2	96	0.00	0.0	2.631	0.093	2	0	1	2
PL.68476	PL.68475	C	#1/0 ACSR	7.33Y	122.2	0.00	2.76	0.67	0	5	1	98	0.00	0.0	2.702	0.071	5	1	1	1
PL.68477	PL.68474	C	#1/0 ACSR	7.33Y	122.2	0.00	2.75	0.93	0	7	2	96	0.00	0.0	2.614	0.076	7	2	1	1
PL.68641	PL.68474	C	#4 ACSR	7.33Y	122.2	0.10	2.85	17.39	13	123	33	97	0.09	0.1	2.661	0.123	0	0	0	29
PL.68828	PL.68641	C	#4 ACSR	7.33Y	122.1	0.03	2.88	17.39	13	123	33	97	0.03	0.0	2.709	0.048	18	5	4	29
PL.68829	PL.68828	C	#4 ACSR	7.32Y	122.0	0.09	2.97	14.82	11	105	28	97	0.07	0.1	2.844	0.136	6	2	1	25
PL.68830	PL.68829	C	#4 ACSR	7.32Y	122.0	0.05	3.01	13.92	11	99	26	97	0.03	0.0	2.920	0.076	8	2	1	24

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.68479	PL.68830	C	#4 ACSR	7.32Y	122.0	0.00	3.02	1.81	1	13	3	97	0.00	0.0	2.970	0.050	7	2	2	4
PL.68480	PL.68479	C	#1/0 ACSR	7.32Y	122.0	0.00	3.02	0.86	0	6	2	95	0.00	0.0	3.030	0.060	6	2	2	2
PL.68642	PL.68830	C	#4 ACSR	7.32Y	122.0	0.03	3.05	11.02	8	78	21	97	0.02	0.0	2.987	0.067	8	2	3	19
PL.68481	PL.68642	C	#4 ACSR	7.32Y	121.9	0.04	3.08	9.47	7	67	18	97	0.02	0.0	3.073	0.086	0	0	0	14
PL.68643	PL.68481	C	#4 ACSR	7.31Y	121.9	0.01	3.10	7.52	6	53	14	97	0.01	0.0	3.115	0.042	0	0	0	11
PL.68486	PL.68643	C	#4 ACSR	7.31Y	121.9	0.00	3.10	3.18	2	22	6	96	0.00	0.0	3.174	0.059	22	6	1	1
PL.68833	PL.68643	C	#4 ACSR	7.31Y	121.9	0.00	3.10	0.79	1	6	1	99	0.00	0.0	3.220	0.105	5	1	1	2
PL.68837	PL.68833	C	#4 ACSR	7.31Y	121.9	0.00	3.10	0.02	0	0	0	100	0.00	0.0	3.275	0.055	0	0	1	1
PL.68838	PL.68837	C	#4 ACSR	7.31Y	121.9	0.00	3.10	0.00	0	0	0	100	0.00	0.0	3.332	0.057	0	0	0	0
PL.68963	PL.68643	C	#4 ACSR	7.31Y	121.9	0.00	3.10	3.55	3	25	7	96	0.00	0.0	3.119	0.004	0	0	0	8
PD.10284	PL.68963	C	20T	7.31Y	121.9	0.00	3.10	3.55	0	25	7	96	0.00	0.0	3.119	0.004	0	0	0	8
PL.68964	PD.10284	C	#4 ACSR	7.31Y	121.9	0.02	3.12	3.55	3	25	7	96	0.00	0.0	3.267	0.148	3	1	1	8
PL.68487	PL.68964	C	#4 ACSR	7.31Y	121.9	0.01	3.13	3.16	2	22	6	96	0.00	0.0	3.320	0.053	0	0	0	7
PL.68488	PL.68487	C	#4 ACSR	7.31Y	121.9	0.00	3.13	0.56	0	4	1	97	0.00	0.0	3.347	0.027	4	1	2	2
PL.68831	PL.68487	C	#4 ACSR	7.31Y	121.9	0.02	3.14	2.60	2	18	5	96	0.00	0.0	3.474	0.154	4	1	1	5
PL.68832	PL.68831	C	#4 ACSR	7.31Y	121.9	0.00	3.15	2.08	2	15	4	97	0.00	0.0	3.544	0.069	8	2	2	4
PL.68644	PL.68832	C	#4 ACSR	7.31Y	121.9	0.00	3.15	0.00	0	0	0	100	0.00	0.0	3.621	0.077	0	0	0	0
PL.68489	PL.68832	C	#4 ACSR	7.31Y	121.9	0.00	3.15	0.92	1	7	2	96	0.00	0.0	3.589	0.046	7	2	2	2
PL.68484	PL.68481	C	#4 ACSR	7.31Y	121.9	0.00	3.08	1.95	2	14	4	96	0.00	0.0	3.137	0.064	14	4	3	3
PL.68485	PL.68481	C	#4 ACSR	7.32Y	121.9	0.00	3.08	0.00	0	0	0	100	0.00	0.0	3.129	0.056	0	0	0	0
PL.68965	PL.68642	C	6 A (CWC)	7.32Y	122.0	0.00	3.05	0.43	0	3	1	95	0.00	0.0	2.991	0.004	0	0	0	2
PD.10285	PL.68965	C	20T	7.32Y	122.0	0.00	3.05	0.43	0	3	1	95	0.00	0.0	2.991	0.004	0	0	0	2
PL.68966	PD.10285	C	6 A (CWC)	7.32Y	122.0	0.00	3.05	0.43	0	3	1	95	0.00	0.0	3.107	0.115	0	0	1	2
PL.68834	PL.68966	C	6 A (CWC)	7.32Y	122.0	0.00	3.05	0.39	0	3	1	95	0.00	0.0	3.196	0.089	0	0	0	1
PL.68482	PL.68834	C	6 A (CWC)	7.32Y	121.9	0.00	3.05	0.39	0	3	1	95	0.00	0.0	3.356	0.160	0	0	0	1
PL.68483	PL.68482	C	6 A (CWC)	7.32Y	121.9	0.00	3.05	0.39	0	3	1	95	0.00	0.0	3.394	0.038	3	1	1	1
PL.68640	PD.10370	C	#4 ACSR	7.34Y	122.3	0.01	2.66	2.41	2	17	5	96	0.00	0.0	2.528	0.100	17	5	4	4
PL.69023	PL.68360	C	#1/0 ACSR	7.37Y	122.8	0.00	2.19	0.87	0	6	2	95	0.00	0.0	1.857	0.005	0	0	0	1
PD.10316	PL.69023	C	65T	7.37Y	122.8	0.00	2.19	0.87	0	6	2	95	0.00	0.0	1.857	0.005	0	0	0	1
PL.69024	PD.10316	C	#1/0 ACSR	7.37Y	122.8	0.00	2.19	0.87	0	6	2	95	0.00	0.0	1.902	0.045	0	0	0	1
PL.68363	PL.69024	C	#4 ACSR	7.37Y	122.8	0.00	2.19	0.87	1	6	2	95	0.00	0.0	1.917	0.015	6	2	1	1

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Balanced Voltage Drop Report
Source: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.69021	PL.68707	A	#4 ACSR	7.38Y	123.0	0.00	2.04	0.42	0	3	1	95	0.00	0.0	1.701	0.005	0	0	0	1
PD.10315	PL.69021	A	65T	7.38Y	123.0	0.00	2.04	0.42	0	3	1	95	0.00	0.0	1.701	0.005	0	0	0	1
PL.69022	PD.10315	A	#4 ACSR	7.38Y	123.0	0.00	2.04	0.42	0	3	1	95	0.00	0.0	1.711	0.010	3	1	1	1
PL.69019	PL.68359	A	#2 ACSR	7.40Y	123.3	0.00	1.74	1.05	1	8	2	97	0.00	0.0	1.393	0.005	0	0	0	1
PD.10314	PL.69019	A	65T	7.40Y	123.3	0.00	1.74	1.05	0	8	2	97	0.00	0.0	1.393	0.005	0	0	0	1
PL.69020	PD.10314	A	#2 ACSR	7.40Y	123.3	0.00	1.74	1.05	1	8	2	97	0.00	0.0	1.449	0.055	8	2	1	1
PL.68960	PL.68352	C	#2 ACSR	7.43Y	123.8	0.00	1.15	0.75	0	5	1	98	0.00	0.0	0.866	0.005	0	0	0	2
PD.10282	PL.68960	C	65T	7.43Y	123.8	0.00	1.15	0.75	0	5	1	98	0.00	0.0	0.866	0.005	0	0	0	2
PL.68959	PD.10282	C	#2 ACSR	7.43Y	123.8	0.00	1.15	0.75	0	5	1	98	0.00	0.0	0.919	0.053	5	1	2	2
PL.68347	PL.67774	A	#1/0 ACSR	7.44Y	124.1	0.00	0.95	16.33	7	117	31	97	0.00	0.0	0.702	0.005	0	0	0	31
PD.10305	PL.68347	A	25T	7.44Y	124.1	0.00	0.95	16.33	0	117	31	97	0.00	0.0	0.702	0.005	0	0	0	31
PL.68772	PD.10305	A	#1/0 ACSR	7.44Y	124.0	0.01	0.95	15.17	7	109	29	97	0.00	0.0	0.718	0.016	11	3	3	30
PL.68773	PL.68772	A	#1/0 ACSR	7.44Y	124.0	0.01	0.96	13.68	6	98	26	97	0.01	0.0	0.752	0.034	0	0	0	27
PL.68348	PL.68773	A	#1/0 ACSR	7.44Y	124.0	0.01	0.97	5.32	2	38	10	97	0.00	0.0	0.801	0.050	0	0	0	12
PL.68770	PL.68348	A	#4 ACSR	7.44Y	124.0	0.01	0.97	5.32	4	38	10	97	0.00	0.0	0.840	0.038	15	4	3	12
PL.68771	PL.68770	A	#4 ACSR	7.44Y	124.0	0.00	0.98	3.16	2	23	6	97	0.00	0.0	0.867	0.027	6	2	1	9
PL.68749	PL.68771	A	#4 ACSR	7.44Y	124.0	0.01	0.98	2.34	2	17	4	97	0.00	0.0	0.920	0.054	2	0	1	8
PL.68743	PL.68749	A	#4 ACSR	7.44Y	124.0	0.01	0.99	2.08	2	15	4	97	0.00	0.0	0.987	0.066	2	1	1	7
PL.68744	PL.68743	A	#4 ACSR	7.44Y	124.0	0.00	0.99	1.78	1	13	3	97	0.00	0.0	1.025	0.038	5	1	2	6
PL.68740	PL.68744	A	#4 ACSR	7.44Y	124.0	0.00	0.99	1.06	1	8	2	97	0.00	0.0	1.056	0.031	8	2	4	4
PL.68349	PL.68773	A	#1/0 ACSR	7.44Y	124.0	0.01	0.97	8.37	4	60	16	97	0.00	0.0	0.795	0.043	0	0	0	15
PL.68766	PL.68349	A	#1/0 ACSR	7.44Y	124.0	0.00	0.97	1.60	1	12	3	97	0.00	0.0	0.831	0.037	8	2	2	3
PL.68767	PL.68766	A	#1/0 ACSR	7.44Y	124.0	0.00	0.97	0.54	0	4	1	97	0.00	0.0	0.887	0.056	4	1	1	1
PL.68768	PL.68349	A	#4 ACSR	7.44Y	124.0	0.02	0.99	6.77	5	49	13	97	0.01	0.0	0.858	0.064	14	4	1	12
PL.68769	PL.68768	A	#4 ACSR	7.44Y	124.0	0.01	1.00	4.89	4	35	9	97	0.00	0.0	0.901	0.043	0	0	0	11
PL.68350	PL.68769	A	#4 ACSR	7.44Y	124.0	0.00	1.00	3.32	3	24	6	97	0.00	0.0	0.936	0.035	15	4	4	6
PL.68351	PL.68350	A	#1/0 ACSR	7.44Y	124.0	0.00	1.00	1.26	1	9	2	98	0.00	0.0	0.971	0.035	9	2	2	2
PL.68621	PL.68769	A	#4 ACSR	7.44Y	124.0	0.00	1.00	1.57	1	11	3	96	0.00	0.0	0.947	0.046	11	3	5	5
PL.68346	PD.10305	A	#1/0 ACSR	7.44Y	124.1	0.00	0.95	1.16	1	8	2	97	0.00	0.0	0.731	0.029	8	2	1	1
PL.68345	PL.67773	A	#1/0 ACSR	7.45Y	124.2	0.00	0.78	2.69	1	19	5	97	0.00	0.0	0.588	0.014	0	0	0	3
PL.72947	PL.68345	A	#1/0 ACSR	7.45Y	124.2	0.00	0.78	2.69	1	19	5	97	0.00	0.0	0.613	0.026	11	3	2	3

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Balanced Voltage Drop Report
Source: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.72948	PL.72947	A	#1/0 ACSR	7.45Y	124.2	0.00	0.79	1.12	0	8	2	97	0.00	0.0	0.635	0.022	0	0	0	1
PL.72949	PL.72948	A	#1/0 ACSR	7.45Y	124.2	0.00	0.79	1.12	0	8	2	97	0.00	0.0	0.687	0.052	8	2	1	1
PL.69001	PL.68338	C	#1/0 ACSR	7.46Y	124.3	0.00	0.67	1.60	1	12	3	97	0.00	0.0	0.495	0.005	0	0	0	5
PD.10304	PL.69001	C	65T	7.46Y	124.3	0.00	0.67	1.60	0	12	3	97	0.00	0.0	0.495	0.005	0	0	0	5
PL.69002	PD.10304	C	#1/0 ACSR	7.46Y	124.3	0.00	0.67	1.60	1	12	3	97	0.00	0.0	0.512	0.017	0	0	0	5
PL.68344	PL.69002	C	#4 ACSR	7.46Y	124.3	0.00	0.67	1.60	1	12	3	97	0.00	0.0	0.557	0.045	12	3	5	5
PL.68339	PL.68337	B	#1/0 ACSR	7.46Y	124.4	0.01	0.61	11.78	5	85	22	97	0.01	0.0	0.488	0.052	0	0	0	29
PL.68884	PL.68339	B	#1/0 ACSR	7.46Y	124.4	0.00	0.62	11.78	5	85	22	97	0.00	0.0	0.493	0.005	0	0	0	29
PD.10265	PL.68884	B	65T	7.46Y	124.4	0.00	0.62	11.78	0	85	22	97	0.00	0.0	0.493	0.005	0	0	0	29
PL.68885	PD.10265	B	#1/0 ACSR	7.46Y	124.4	0.03	0.65	11.78	5	85	22	97	0.02	0.0	0.614	0.121	7	2	6	29
PL.68340	PL.68885	B	#1/0 ACSR	7.46Y	124.3	0.01	0.66	10.75	5	78	21	97	0.01	0.0	0.662	0.048	10	3	1	23
PL.68341	PL.68340	B	#2 ACSR	7.46Y	124.3	0.02	0.67	9.39	5	68	18	97	0.01	0.0	0.717	0.055	0	0	0	22
PL.68752	PL.68341	B	#2 ACSR	7.46Y	124.3	0.01	0.68	9.39	5	68	18	97	0.00	0.0	0.739	0.023	10	3	2	22
PL.68753	PL.68752	B	#2 ACSR	7.46Y	124.3	0.01	0.69	8.05	5	58	15	97	0.00	0.0	0.762	0.023	0	0	0	20
PL.68738	PL.68753	B	#2 ACSR	7.46Y	124.3	0.01	0.70	6.83	4	49	13	97	0.00	0.0	0.808	0.046	0	0	0	18
PL.68343	PL.68738	B	#2 ACSR	7.46Y	124.3	0.00	0.70	0.87	0	6	2	95	0.00	0.0	0.824	0.016	6	2	3	3
PL.68750	PL.68738	B	#2 ACSR	7.46Y	124.3	0.00	0.70	5.96	3	43	11	97	0.00	0.0	0.840	0.033	18	5	7	15
PL.68754	PL.68750	B	#2 ACSR	7.46Y	124.3	0.00	0.70	3.47	2	25	7	96	0.00	0.0	0.878	0.038	10	3	2	8
PL.68755	PL.68754	B	#2 ACSR	7.46Y	124.3	0.00	0.71	2.11	1	15	4	97	0.00	0.0	0.927	0.049	9	2	2	6
PL.68751	PL.68755	B	#2 ACSR	7.46Y	124.3	0.00	0.71	0.81	0	6	2	95	0.00	0.0	0.958	0.031	6	2	4	4
PL.68342	PL.68753	B	#2 ACSR	7.46Y	124.3	0.00	0.69	1.22	1	9	2	98	0.00	0.0	0.774	0.012	9	2	2	2
PL.68336	PL.68757	C	#1/0 ACSR	7.47Y	124.5	0.00	0.52	6.31	3	46	12	97	0.00	0.0	0.384	0.005	0	0	0	18
PD.10267	PL.68336	C	65T	7.47Y	124.5	0.00	0.52	6.31	0	46	12	97	0.00	0.0	0.384	0.005	0	0	0	18
PL.68335	PD.10267	C	#1/0 ACSR	7.47Y	124.5	0.00	0.52	0.04	0	0	0	100	0.00	0.0	0.408	0.024	0	0	1	1
PL.68764	PD.10267	C	#1/0 ACSR	7.47Y	124.5	0.00	0.53	6.26	3	45	12	97	0.00	0.0	0.400	0.016	39	10	15	17
PL.68765	PL.68764	C	#1/0 ACSR	7.47Y	124.5	0.00	0.53	0.88	0	6	2	95	0.00	0.0	0.433	0.033	6	2	2	2
PL.68999	PL.68739	C	#1/0 ACSR	7.47Y	124.6	0.00	0.42	2.67	1	19	5	97	0.00	0.0	0.306	0.005	0	0	0	2
PD.10303	PL.68999	C	65T	7.47Y	124.6	0.00	0.42	2.67	0	19	5	97	0.00	0.0	0.306	0.005	0	0	0	2
PL.69000	PD.10303	C	#1/0 ACSR	7.47Y	124.6	0.00	0.42	2.67	1	19	5	97	0.00	0.0	0.323	0.017	19	5	2	2
PL.68886	PL.72920	A	#1/0 ACSR	7.49Y	124.8	0.00	0.15	0.00	0	0	0	100	0.00	0.0	0.116	0.005	0	0	0	0
PD.10266	PL.68886	A	65T	7.49Y	124.8	0.00	0.15	0.00	0	0	0	100	0.00	0.0	0.116	0.005	0	0	0	0

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Balanced Voltage Drop Report
Source: Tyner

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

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

PL.68887	PD.10266	A	#1/0 ACSR	7.49Y	124.8	0.00	0.15	0.00	0	0	0	100	0.00	0.0	0.152	0.036	0	0	0	0
PL.68330	Tyner	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	137.76	27	2960	919	96	0.04	0.0	0.003	0.003	0	0	0	679
PL.72923	PL.68330	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	137.76	27	2960	919	96	0.03	0.0	0.005	0.002	0	0	0	679

----- Feeder No. 3 (Egypt F3) Beginning with Device PD.11203 -----																				
PD.11203	PL.72923	ABC	360VWE	7.50Y	125.0	0.00	0.00	137.76	0	2960	919	96	0.00	0.0	0.005	0.002	0	0	0	679
PL.72924	PD.11203	ABC	336 MCM AC	7.50Y	125.0	0.00	0.01	137.76	27	2960	919	96	0.07	0.0	0.009	0.005	0	0	0	679
PL.68333	PL.72924	ABC	336 MCM AC	7.50Y	125.0	0.01	0.02	137.76	27	2960	919	96	0.16	0.0	0.019	0.010	0	0	0	679
PL.68334	PL.68333	ABC	336 MCM AC	7.50Y	124.9	0.04	0.06	137.76	27	2960	918	96	0.65	0.0	0.060	0.040	0	0	0	679
PL.70149	PL.68334	ABC	336 MCM AC	7.49Y	124.8	0.09	0.15	137.76	27	2959	917	96	1.34	0.0	0.143	0.084	0	0	2	679
PL.70150	PL.70149	ABC	336 MCM AC	7.49Y	124.8	0.08	0.23	137.74	27	2957	914	96	1.21	0.0	0.219	0.076	2	0	1	677
PL.70103	PL.70150	ABC	336 MCM AC	7.48Y	124.7	0.04	0.27	137.66	27	2954	910	96	0.56	0.0	0.254	0.035	8	2	1	676
PL.70104	PL.70103	ABC	336 MCM AC	7.48Y	124.7	0.03	0.30	137.28	26	2946	907	96	0.52	0.0	0.287	0.033	0	0	0	675
PL.69910	PL.70104	ABC	336 MCM AC	7.48Y	124.7	0.04	0.34	134.80	26	2891	892	96	0.52	0.0	0.321	0.034	2	0	1	664
PL.70288	PL.69910	C	#4 ACSR	7.48Y	124.7	0.00	0.34	0.47	0	3	1	95	0.00	0.0	0.325	0.004	0	0	0	1
PD.10469	PL.70288	C	65T	7.48Y	124.7	0.00	0.34	0.47	0	3	1	95	0.00	0.0	0.325	0.004	0	0	0	1
PL.70289	PD.10469	C	#4 ACSR	7.48Y	124.7	0.00	0.34	0.47	0	3	1	95	0.00	0.0	0.340	0.015	3	1	1	1
PL.69911	PL.69910	ABC	336 MCM AC	7.48Y	124.6	0.02	0.36	134.56	26	2886	889	96	0.37	0.0	0.345	0.024	0	0	0	662
PL.68742	PL.69911	ABC	336 MCM AC	7.47Y	124.6	0.07	0.43	134.56	26	2885	888	96	0.97	0.0	0.409	0.064	0	0	0	662
PL.70518	PL.68742	ABC	336 MCM AC	7.47Y	124.5	0.03	0.46	134.56	26	2884	886	96	0.48	0.0	0.440	0.031	9	2	1	662
PL.69651	PL.70518	ABC	336 MCM AC	7.47Y	124.5	0.07	0.53	134.16	26	2875	882	96	0.97	0.0	0.504	0.064	9	2	2	661
PL.69912	PL.69651	ABC	336 MCM AC	7.46Y	124.4	0.09	0.62	133.52	26	2860	876	96	1.36	0.0	0.595	0.091	0	0	0	657
PL.69913	PL.69912	ABC	336 MCM AC	7.46Y	124.3	0.10	0.72	133.19	26	2852	871	96	1.51	0.1	0.696	0.101	3	1	3	655
PL.70408	PL.69913	A	6 A (CWC)	7.46Y	124.3	0.00	0.72	2.43	2	18	5	96	0.00	0.0	0.701	0.005	0	0	0	4
PD.10532	PL.70408	A	65T	7.46Y	124.3	0.00	0.72	2.43	0	18	5	96	0.00	0.0	0.701	0.005	0	0	0	4
PL.70409	PD.10532	A	6 A (CWC)	7.46Y	124.3	0.01	0.73	2.43	2	18	5	96	0.00	0.0	0.759	0.058	2	0	1	4
PL.70105	PL.70409	A	#2 ACSR	7.46Y	124.3	0.00	0.73	1.46	1	11	3	96	0.00	0.0	0.775	0.016	6	2	1	2
PL.70106	PL.70105	A	#2 ACSR	7.46Y	124.3	0.00	0.73	0.62	0	4	1	97	0.00	0.0	0.826	0.050	4	1	1	1
PL.69652	PL.70409	A	#4 ACSR	7.46Y	124.3	0.00	0.73	0.72	1	5	1	98	0.00	0.0	0.797	0.038	5	1	1	1
PL.70115	PL.69913	ABC	336 MCM AC	7.45Y	124.2	0.04	0.77	132.23	25	2830	862	96	0.62	0.0	0.738	0.042	4	1	1	648

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.70116	PL.70115	ABC	336 MCM AC	7.45Y	124.1	0.10	0.86	132.05	25	2825	860	96	1.41	0.0	0.834	0.096	7	2	2	647
PL.69653	PL.70116	ABC	336 MCM AC	7.44Y	124.0	0.11	0.98	131.42	25	2810	853	96	1.66	0.1	0.949	0.114	5	1	1	642
PL.69655	PL.69653	C	6 A (CWC)	7.44Y	124.0	0.00	0.98	27.05	19	195	52	97	0.01	0.0	0.953	0.004	0	0	0	49
PD.10472	PL.69655	C	140CodeSMo	7.44Y	124.0	0.00	0.98	27.05	0	195	52	97	0.00	0.0	0.953	0.004	0	0	0	49
PL.69914	PD.10472	C	6 A (CWC)	7.44Y	124.0	0.06	1.05	27.03	19	194	52	97	0.09	0.0	1.005	0.052	0	0	0	48
PL.69658	PL.69914	C	6 A (CWC)	7.44Y	124.0	0.00	1.05	0.00	0	0	0	100	0.00	0.0	1.098	0.093	0	0	0	0
PL.69915	PL.69914	C	6 A (CWC)	7.43Y	123.9	0.08	1.13	25.10	18	180	48	97	0.11	0.1	1.076	0.071	0	0	0	46
PL.70111	PL.69915	C	6 A (CWC)	7.42Y	123.7	0.13	1.26	23.42	17	168	45	97	0.15	0.1	1.197	0.121	10	3	2	40
PL.70112	PL.70111	C	6 A (CWC)	7.42Y	123.7	0.07	1.32	21.98	16	158	42	97	0.08	0.0	1.264	0.067	0	0	0	38
PL.69916	PL.70112	C	6 A (CWC)	7.42Y	123.7	0.02	1.34	20.97	15	150	40	97	0.02	0.0	1.282	0.019	0	0	0	35
PL.70109	PL.69916	C	6 A (CWC)	7.42Y	123.6	0.05	1.39	20.00	14	143	38	97	0.05	0.0	1.339	0.056	27	7	7	33
PL.70110	PL.70109	C	6 A (CWC)	7.41Y	123.6	0.04	1.43	16.18	12	116	31	97	0.04	0.0	1.403	0.065	14	4	2	26
PL.70368	PL.70110	C	6 A (CWC)	7.41Y	123.6	0.00	1.43	9.29	7	67	18	97	0.00	0.0	1.408	0.005	0	0	0	13
PD.10510	PL.70368	C	40T	7.41Y	123.6	0.00	1.43	9.29	0	67	18	97	0.00	0.0	1.408	0.005	0	0	0	13
PL.70369	PD.10510	C	6 A (CWC)	7.41Y	123.5	0.04	1.48	9.29	7	67	18	97	0.02	0.0	1.513	0.105	0	0	0	13
PL.69667	PL.70369	C	6 A (CWC)	7.41Y	123.5	0.00	1.48	1.85	1	13	4	96	0.00	0.0	1.594	0.081	13	4	2	2
PL.69666	PL.70369	C	6 A (CWC)	7.41Y	123.5	0.03	1.50	4.67	3	33	9	96	0.01	0.0	1.639	0.126	0	0	0	8
PL.69672	PL.69666	C	6 A (CWC)	7.41Y	123.5	0.01	1.52	4.67	3	33	9	96	0.00	0.0	1.708	0.069	8	2	1	8
PL.69673	PL.69672	C	#4 ACSR	7.41Y	123.5	0.00	1.52	2.76	2	20	5	97	0.00	0.0	1.724	0.016	5	1	2	5
PL.70098	PL.69673	C	#4 ACSR	7.41Y	123.5	0.01	1.52	2.06	2	15	4	97	0.00	0.0	1.795	0.072	3	1	1	3
PL.70099	PL.70098	C	#4 ACSR	7.41Y	123.5	0.00	1.53	1.59	1	11	3	96	0.00	0.0	1.841	0.046	11	3	2	2
PL.70097	PL.70099	C	#4 ACSR	7.41Y	123.5	0.00	1.53	0.00	0	0	0	100	0.00	0.0	1.929	0.088	0	0	0	0
PL.69671	PL.69672	C	#1/0 ACSR	7.41Y	123.5	0.00	1.52	0.86	0	6	2	95	0.00	0.0	1.755	0.047	6	2	2	2
PL.69665	PL.70369	C	6 A (CWC)	7.41Y	123.5	0.02	1.49	2.76	2	20	5	97	0.00	0.0	1.678	0.165	11	3	2	3
PL.69674	PL.69665	C	#1/0 ACSR	7.41Y	123.5	0.00	1.49	1.29	1	9	2	98	0.00	0.0	1.781	0.104	9	2	1	1
PL.70292	PL.70110	C	#4 ACSR	7.41Y	123.6	0.00	1.43	4.95	4	35	9	97	0.00	0.0	1.408	0.005	0	0	0	11
PD.10471	PL.70292	C	40T	7.41Y	123.6	0.00	1.43	4.95	0	35	9	97	0.00	0.0	1.408	0.005	0	0	0	11
PL.70293	PD.10471	C	#4 ACSR	7.41Y	123.6	0.01	1.44	4.95	4	35	9	97	0.00	0.0	1.434	0.027	5	1	1	11
PL.70124	PL.70293	C	#4 ACSR	7.41Y	123.6	0.01	1.44	4.27	3	31	8	97	0.00	0.0	1.467	0.033	2	1	1	10
PL.70123	PL.70124	C	#4 ACSR	7.41Y	123.5	0.01	1.45	3.98	3	29	8	96	0.00	0.0	1.526	0.059	10	3	3	9
PL.70100	PL.70123	C	#1/0 ACSR	7.41Y	123.5	0.00	1.45	2.57	1	18	5	96	0.00	0.0	1.548	0.023	5	1	1	6

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Balanced Voltage Drop Report
Source: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.70101	PL.70100	C	#1/0 ACSR	7.41Y	123.5	0.00	1.45	1.92	1	14	4	96	0.00	0.0	1.589	0.041	0	0	1	5
PL.69669	PL.70101	C	#1/0 ACSR	7.41Y	123.5	0.00	1.46	0.54	0	4	1	97	0.00	0.0	1.646	0.057	4	1	1	1
PL.69668	PL.70101	C	#1/0 ACSR	7.41Y	123.5	0.00	1.46	1.37	1	10	3	96	0.00	0.0	1.633	0.044	8	2	2	3
PL.69670	PL.69668	C	#1/0 ACSR	7.41Y	123.5	0.00	1.46	0.29	0	2	1	89	0.00	0.0	1.667	0.034	2	1	1	1
PL.69664	PL.69916	C	#4 ACSR	7.42Y	123.7	0.00	1.34	0.98	1	7	2	96	0.00	0.0	1.307	0.025	7	2	2	2
PL.69663	PL.70112	C	#4 ACSR	7.42Y	123.7	0.00	1.32	1.01	1	7	2	96	0.00	0.0	1.333	0.069	7	2	3	3
PL.69659	PL.69915	C	#4 ACSR	7.43Y	123.9	0.00	1.13	1.68	1	12	3	97	0.00	0.0	1.117	0.041	0	0	0	6
PL.69660	PL.69659	C	#4 ACSR	7.43Y	123.9	0.00	1.13	0.86	1	6	2	95	0.00	0.0	1.150	0.033	6	2	1	3
PL.70107	PL.69660	C	#1/0 ACSR	7.43Y	123.9	0.00	1.13	0.01	0	0	0	100	0.00	0.0	1.225	0.074	0	0	1	2
PL.70108	PL.70107	C	#1/0 ACSR	7.43Y	123.9	0.00	1.13	0.00	0	0	0	100	0.00	0.0	1.319	0.094	0	0	1	1
PL.69661	PL.69659	C	#1/0 ACSR	7.43Y	123.9	0.00	1.13	0.82	0	6	2	95	0.00	0.0	1.159	0.042	6	2	1	3
PL.69662	PL.69661	C	#1/0 ACSR	7.43Y	123.9	0.00	1.13	0.01	0	0	0	100	0.00	0.0	1.221	0.062	0	0	2	2
PL.70113	PL.69914	C	#4 ACSR	7.44Y	124.0	0.00	1.05	1.93	1	14	4	96	0.00	0.0	1.039	0.034	14	4	1	2
PL.70114	PL.70113	C	#4 ACSR	7.44Y	124.0	0.00	1.05	0.00	0	0	0	100	0.00	0.0	1.083	0.044	0	0	1	1
PL.69654	PD.10472	C	#4 ACSR	7.44Y	124.0	0.00	0.98	0.03	0	0	0	100	0.00	0.0	1.019	0.067	0	0	0	1
PL.69657	PL.69654	C	#4 ACSR	7.44Y	124.0	0.00	0.98	0.03	0	0	0	100	0.00	0.0	1.080	0.061	0	0	1	1
PL.69656	PL.69653	ABC	336 MCM AC	7.44Y	123.9	0.08	1.06	122.17	24	2609	796	96	1.02	0.0	1.030	0.082	4	1	1	592
PL.70296	PL.69656	A	6 A (CWC)	7.44Y	123.9	0.00	1.06	1.70	1	12	3	97	0.00	0.0	1.034	0.004	0	0	0	2
PD.10474	PL.70296	A	65T	7.44Y	123.9	0.00	1.06	1.70	0	12	3	97	0.00	0.0	1.034	0.004	0	0	0	2
PL.70297	PD.10474	A	6 A (CWC)	7.44Y	123.9	0.00	1.06	1.70	1	12	3	97	0.00	0.0	1.074	0.040	12	3	2	2
PL.69917	PL.69656	ABC	336 MCM AC	7.43Y	123.9	0.09	1.15	121.44	23	2592	790	96	1.20	0.0	1.127	0.097	1	0	1	589
PL.70302	PL.69917	B	6 A (CWC)	7.43Y	123.9	0.00	1.15	5.55	4	40	11	96	0.00	0.0	1.132	0.005	0	0	0	10
PD.10477	PL.70302	B	20T	7.43Y	123.9	0.00	1.15	5.55	0	40	11	96	0.00	0.0	1.132	0.005	0	0	0	10
PL.70303	PD.10477	B	6 A (CWC)	7.43Y	123.8	0.01	1.16	5.55	4	40	11	96	0.00	0.0	1.178	0.046	0	0	0	10
PL.70119	PL.70303	B	#4 ACSR	7.43Y	123.8	0.02	1.18	4.67	4	34	9	97	0.01	0.0	1.311	0.133	12	3	2	8
PL.70120	PL.70119	B	#4 ACSR	7.43Y	123.8	0.01	1.19	3.01	2	22	6	96	0.00	0.0	1.366	0.055	11	3	2	6
PL.69676	PL.70120	B	#4 ACSR	7.43Y	123.8	0.00	1.19	1.48	1	11	3	96	0.00	0.0	1.397	0.031	5	1	1	4
PL.69677	PL.69676	B	#1/0 ACSR	7.43Y	123.8	0.00	1.19	0.76	0	5	1	98	0.00	0.0	1.424	0.027	5	1	1	1
PL.69678	PL.69676	B	#1/0 ACSR	7.43Y	123.8	0.00	1.19	0.00	0	0	0	100	0.00	0.0	1.440	0.043	0	0	2	2
PL.69918	PL.70303	B	6 A (CWC)	7.43Y	123.8	0.00	1.16	0.88	1	6	2	95	0.00	0.0	1.226	0.048	6	2	2	2
PL.69675	PL.69917	ABC	336 MCM AC	7.43Y	123.8	0.05	1.20	119.56	23	2550	776	96	0.67	0.0	1.183	0.055	0	0	0	578

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Balanced Voltage Drop Report
Source: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.70298	PL.69675	A	#4 ACSR	7.43Y	123.8	0.00	1.20	0.72	1	5	1	98	0.00	0.0	1.187	0.005	0	0	0	1
PD.10475	PL.70298	A	65T	7.43Y	123.8	0.00	1.20	0.72	0	5	1	98	0.00	0.0	1.187	0.005	0	0	0	1
PL.70299	PD.10475	A	#4 ACSR	7.43Y	123.8	0.00	1.20	0.72	1	5	1	98	0.00	0.0	1.240	0.053	5	1	1	1
PL.69679	PL.69675	ABC	336 MCM AC	7.42Y	123.7	0.07	1.27	119.32	23	2544	773	96	0.91	0.0	1.259	0.076	0	0	0	577
PL.70300	PL.69679	A	#4 ACSR	7.42Y	123.7	0.00	1.27	2.05	2	15	4	97	0.00	0.0	1.263	0.005	0	0	0	2
PD.10476	PL.70300	A	40T	7.42Y	123.7	0.00	1.27	2.05	0	15	4	97	0.00	0.0	1.263	0.005	0	0	0	2
PL.70301	PD.10476	A	#4 ACSR	7.42Y	123.7	0.01	1.27	2.05	2	15	4	97	0.00	0.0	1.346	0.082	6	2	1	2
PL.69680	PL.70301	A	#1/0 ACSR	7.42Y	123.7	0.00	1.27	1.15	0	8	2	97	0.00	0.0	1.429	0.084	8	2	1	1
PL.70121	PL.69679	ABC	336 MCM AC	7.42Y	123.7	0.03	1.29	118.64	23	2529	767	96	0.38	0.0	1.291	0.032	0	0	0	575
PL.70122	PL.70121	ABC	336 MCM AC	7.42Y	123.6	0.09	1.38	118.64	23	2528	766	96	1.15	0.0	1.388	0.097	0	0	0	575
PL.70304	PL.70122	A	#4 ACSR	7.42Y	123.6	0.00	1.38	0.18	0	1	0	100	0.00	0.0	1.393	0.005	0	0	0	1
PD.10478	PL.70304	A	65T	7.42Y	123.6	0.00	1.38	0.18	0	1	0	100	0.00	0.0	1.393	0.005	0	0	0	1
PL.70305	PD.10478	A	#4 ACSR	7.42Y	123.6	0.00	1.38	0.18	0	1	0	100	0.00	0.0	1.426	0.033	1	0	1	1
PL.69919	PL.70122	ABC	336 MCM AC	7.41Y	123.5	0.07	1.45	118.58	23	2526	763	96	0.90	0.0	1.464	0.076	0	0	0	574
PL.70306	PL.69919	A	#1/0 ACSR	7.41Y	123.5	0.00	1.45	2.51	1	18	5	96	0.00	0.0	1.469	0.005	0	0	0	2
PD.10479	PL.70306	A	65T	7.41Y	123.5	0.00	1.45	2.51	0	18	5	96	0.00	0.0	1.469	0.005	0	0	0	2
PL.70307	PD.10479	A	#1/0 ACSR	7.41Y	123.5	0.00	1.45	2.51	1	18	5	96	0.00	0.0	1.483	0.014	8	2	1	2
PL.70130	PL.70307	A	#1/0 ACSR	7.41Y	123.5	0.00	1.45	1.36	1	10	3	96	0.00	0.0	1.531	0.048	10	3	1	1
PL.69920	PL.69919	ABC	336 MCM AC	7.41Y	123.5	0.07	1.52	117.74	23	2507	756	96	0.91	0.0	1.543	0.078	5	1	4	572
PL.70308	PL.69920	A	#2 ACSR	7.41Y	123.5	0.00	1.52	0.88	1	6	2	95	0.00	0.0	1.547	0.005	0	0	0	2
PD.10480	PL.70308	A	65T	7.41Y	123.5	0.00	1.52	0.88	0	6	2	95	0.00	0.0	1.547	0.005	0	0	0	2
PL.70309	PD.10480	A	#2 ACSR	7.41Y	123.5	0.00	1.52	0.88	1	6	2	95	0.00	0.0	1.555	0.008	0	0	0	2
PL.69921	PL.70309	A	#2 ACSR	7.41Y	123.5	0.00	1.52	0.88	1	6	2	95	0.00	0.0	1.597	0.042	6	2	1	1
PL.69681	PL.70309	A	#1/0 ACSR	7.41Y	123.5	0.00	1.52	0.00	0	0	0	100	0.00	0.0	1.615	0.060	0	0	1	1
PL.70131	PL.69920	ABC	336 MCM AC	7.40Y	123.4	0.08	1.61	117.20	23	2494	751	96	1.10	0.0	1.638	0.095	1	0	1	566
PL.70132	PL.70131	ABC	336 MCM AC	7.40Y	123.3	0.05	1.66	117.14	23	2492	748	96	0.70	0.0	1.699	0.061	0	0	0	565
PL.69922	PL.70132	ABC	336 MCM AC	7.39Y	123.2	0.14	1.80	116.49	22	2477	743	96	1.76	0.1	1.852	0.154	0	0	0	562
PL.70003	PL.69922	ABC	336 MCM AC	7.39Y	123.1	0.06	1.86	116.49	22	2475	739	96	0.84	0.0	1.926	0.073	0	0	0	562
PL.70312	PL.70003	A	6 A (CWC)	7.39Y	123.1	0.00	1.86	0.80	1	6	2	95	0.00	0.0	1.930	0.005	0	0	0	2
PD.10482	PL.70312	A	65T	7.39Y	123.1	0.00	1.86	0.80	0	6	2	95	0.00	0.0	1.930	0.005	0	0	0	2
PL.70313	PD.10482	A	6 A (CWC)	7.39Y	123.1	0.00	1.86	0.80	1	6	2	95	0.00	0.0	1.996	0.066	6	2	2	2

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Balanced Voltage Drop Report
Source: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.70133	PL.70003	ABC	336 MCM AC	7.39Y	123.1	0.02	1.88	116.22	22	2469	735	96	0.26	0.0	1.949	0.023	7	2	1	560
PL.70134	PL.70133	ABC	336 MCM AC	7.38Y	123.0	0.11	1.99	115.89	22	2462	733	96	1.37	0.1	2.070	0.121	2	0	1	559
PL.70410	PL.70134	A	#4 ACSR	7.38Y	123.0	0.00	1.99	3.68	3	26	7	97	0.00	0.0	2.074	0.004	0	0	0	4
PD.10533	PL.70410	A	65T	7.38Y	123.0	0.00	1.99	3.68	0	26	7	97	0.00	0.0	2.074	0.004	0	0	0	4
PL.70411	PD.10533	A	#4 ACSR	7.38Y	123.0	0.01	2.00	3.68	3	26	7	97	0.00	0.0	2.118	0.044	6	2	2	4
PL.70135	PL.70411	A	#4 ACSR	7.38Y	123.0	0.01	2.01	2.82	2	20	5	97	0.00	0.0	2.202	0.084	0	0	0	2
PL.70147	PL.70135	A	#4 ACSR	7.38Y	123.0	0.01	2.02	2.82	2	20	5	97	0.00	0.0	2.328	0.126	10	3	1	2
PL.70148	PL.70147	A	#4 ACSR	7.38Y	123.0	0.01	2.02	1.36	1	10	3	96	0.00	0.0	2.505	0.177	10	3	1	1
PL.69923	PL.70134	ABC	336 MCM AC	7.38Y	123.0	0.05	2.04	114.59	22	2432	722	96	0.67	0.0	2.130	0.060	0	0	0	554
PL.70136	PL.69923	ABC	336 MCM AC	7.37Y	122.9	0.05	2.09	114.59	22	2432	721	96	0.58	0.0	2.183	0.053	21	6	4	554
PL.70137	PL.70136	ABC	336 MCM AC	7.37Y	122.8	0.07	2.16	113.59	22	2410	714	96	0.89	0.0	2.265	0.082	6	2	2	550
PL.70316	PL.70137	A	#4 ACSR	7.37Y	122.8	0.00	2.16	1.47	1	10	3	96	0.00	0.0	2.270	0.005	0	0	0	2
PD.10484	PL.70316	A	65T	7.37Y	122.8	0.00	2.16	1.47	0	10	3	96	0.00	0.0	2.270	0.005	0	0	0	2
PL.70317	PD.10484	A	#4 ACSR	7.37Y	122.8	0.00	2.16	1.47	1	10	3	96	0.00	0.0	2.313	0.043	10	3	2	2
PL.70145	PL.70137	ABC	336 MCM AC	7.37Y	122.8	0.04	2.20	112.82	22	2392	707	96	0.55	0.0	2.317	0.052	18	5	4	546
PL.70146	PL.70145	ABC	336 MCM AC	7.36Y	122.7	0.06	2.27	111.96	22	2373	701	96	0.81	0.0	2.393	0.076	0	0	0	542
PL.69686	PL.70146	ABC	336 MCM AC	7.36Y	122.7	0.01	2.27	99.54	19	2107	628	96	0.07	0.0	2.402	0.008	0	0	0	489
PL.70141	PL.69686	ABC	336 MCM AC	7.36Y	122.6	0.09	2.37	99.29	19	2102	627	96	1.01	0.0	2.524	0.123	13	3	1	488
PL.70142	PL.70141	ABC	336 MCM AC	7.36Y	122.6	0.03	2.40	98.69	19	2088	621	96	0.33	0.0	2.565	0.041	0	0	1	487
PL.70370	PL.70142	C	#1/0 ACSR	7.36Y	122.6	0.00	2.40	1.98	1	14	4	96	0.00	0.0	2.570	0.005	0	0	0	2
PD.10511	PL.70370	C	25T	7.36Y	122.6	0.00	2.40	1.98	0	14	4	96	0.00	0.0	2.570	0.005	0	0	0	2
PL.70371	PD.10511	C	#1/0 ACSR	7.36Y	122.6	0.00	2.40	1.98	1	14	4	96	0.00	0.0	2.625	0.055	0	0	0	2
PL.70139	PL.70371	C	#1/0 ACSR	7.36Y	122.6	0.00	2.40	1.98	1	14	4	96	0.00	0.0	2.660	0.035	8	2	1	2
PL.70140	PL.70139	C	#1/0 ACSR	7.36Y	122.6	0.00	2.40	0.87	0	6	2	95	0.00	0.0	2.725	0.065	6	2	1	1
PL.69925	PL.70142	ABC	336 MCM AC	7.35Y	122.5	0.08	2.48	98.03	19	2074	617	96	0.87	0.0	2.672	0.107	0	0	0	484
PL.70004	PL.69925	ABC	336 MCM AC	7.34Y	122.4	0.13	2.61	98.03	19	2073	615	96	1.42	0.1	2.847	0.175	0	0	0	484
PL.70314	PL.70004	A	#1/0 ACSR	7.34Y	122.4	0.00	2.61	1.59	1	11	3	96	0.00	0.0	2.852	0.005	0	0	0	2
PD.10483	PL.70314	A	20T	7.34Y	122.4	0.00	2.61	1.59	0	11	3	96	0.00	0.0	2.852	0.005	0	0	0	2
PL.70315	PD.10483	A	#1/0 ACSR	7.34Y	122.4	0.00	2.61	1.59	1	11	3	96	0.00	0.0	2.879	0.027	5	1	1	2
PL.69710	PL.70315	A	#1/0 ACSR	7.34Y	122.4	0.00	2.61	0.00	0	0	0	100	0.00	0.0	2.926	0.047	0	0	0	0
PL.69933	PL.70315	A	#1/0 ACSR	7.34Y	122.4	0.00	2.61	0.89	0	6	2	95	0.00	0.0	2.897	0.019	6	2	1	1

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Balanced Voltage Drop Report
Source: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.69711	PL.70004	ABC	336 MCM AC	7.34Y	122.3	0.05	2.66	97.50	19	2060	608	96	0.54	0.0	2.915	0.067	0	0	0	482
PL.69712	PL.69711	C	#1/0 ACSR	7.34Y	122.3	0.00	2.66	2.77	1	20	5	97	0.00	0.0	2.919	0.005	0	0	0	4
PD.10512	PL.69712	C	25T	7.34Y	122.3	0.00	2.66	2.77	0	20	5	97	0.00	0.0	2.919	0.005	0	0	0	4
PL.69713	PD.10512	C	#1/0 ACSR	7.34Y	122.3	0.00	2.66	2.42	1	17	5	96	0.00	0.0	2.947	0.027	9	2	2	3
PL.69717	PL.69713	C	#1/0 ACSR	7.34Y	122.3	0.00	2.66	1.21	1	9	2	98	0.00	0.0	2.994	0.048	9	2	1	1
PL.69935	PD.10512	C	#1/0 ACSR	7.34Y	122.3	0.00	2.66	0.35	0	2	1	89	0.00	0.0	2.936	0.017	2	1	1	1
PL.70332	PL.69711	A	#1/0 ACSR	7.34Y	122.3	0.00	2.66	3.36	1	24	6	97	0.00	0.0	2.919	0.005	0	0	0	8
PD.10491	PL.70332	A	25T	7.34Y	122.3	0.00	2.66	3.36	0	24	6	97	0.00	0.0	2.919	0.005	0	0	0	8
PL.70333	PD.10491	A	#1/0 ACSR	7.34Y	122.3	0.00	2.66	3.36	1	24	6	97	0.00	0.0	2.939	0.019	6	2	4	8
PL.69714	PL.70333	A	#4 ACSR	7.34Y	122.3	0.01	2.67	2.48	2	18	5	96	0.00	0.0	3.005	0.066	0	0	0	4
PL.69716	PL.69714	A	#4 ACSR	7.34Y	122.3	0.00	2.67	1.32	1	9	2	98	0.00	0.0	3.087	0.083	4	1	1	3
PL.69719	PL.69716	A	#1/0 ACSR	7.34Y	122.3	0.00	2.67	0.81	0	6	2	95	0.00	0.0	3.186	0.099	6	2	1	1
PL.69718	PL.69716	A	#4 ACSR	7.34Y	122.3	0.00	2.67	0.00	0	0	0	100	0.00	0.0	3.191	0.104	0	0	1	1
PL.69715	PL.69714	A	#1/0 ACSR	7.34Y	122.3	0.00	2.67	1.15	1	8	2	97	0.00	0.0	3.071	0.066	8	2	1	1
PL.69934	PL.69711	ABC	336 MCM AC	7.34Y	122.3	0.07	2.73	95.46	18	2016	596	96	0.76	0.0	3.014	0.100	5	1	1	470
PL.70330	PL.69934	C	#1/0 ACSR	7.34Y	122.3	0.00	2.73	2.69	1	19	5	97	0.00	0.0	3.019	0.005	0	0	0	5
PD.10490	PL.70330	C	25T	7.34Y	122.3	0.00	2.73	2.69	0	19	5	97	0.00	0.0	3.019	0.005	0	0	0	5
PL.70331	PD.10490	C	#1/0 ACSR	7.34Y	122.3	0.00	2.73	2.69	1	19	5	97	0.00	0.0	3.047	0.028	3	1	2	5
PL.69299	PL.70331	C	#1/0 ACSR	7.34Y	122.3	0.00	2.73	2.32	1	16	4	97	0.00	0.0	3.083	0.036	10	3	2	3
PL.69300	PL.69299	C	#1/0 ACSR	7.34Y	122.3	0.00	2.73	0.86	0	6	2	95	0.00	0.0	3.119	0.036	6	2	1	1
PL.69936	PL.69934	ABC	336 MCM AC	7.33Y	122.2	0.03	2.75	94.33	18	1991	587	96	0.27	0.0	3.050	0.036	0	0	0	464
PL.69720	PL.69936	ABC	336 MCM AC	7.33Y	122.2	0.06	2.82	94.33	18	1991	587	96	0.68	0.0	3.141	0.091	3	1	1	464
PL.69937	PL.69720	ABC	336 MCM AC	7.33Y	122.1	0.04	2.86	90.97	18	1919	566	96	0.45	0.0	3.205	0.064	0	0	0	447
PL.69289	PL.69937	ABC	336 MCM AC	7.33Y	122.1	0.02	2.89	90.97	18	1918	565	96	0.22	0.0	3.236	0.031	5	1	4	447
PL.69290	PL.69289	ABC	336 MCM AC	7.32Y	122.1	0.04	2.93	90.74	17	1913	563	96	0.44	0.0	3.299	0.063	3	1	3	443
PL.69288	PL.69290	ABC	336 MCM AC	7.32Y	122.0	0.03	2.96	90.59	17	1910	562	96	0.27	0.0	3.338	0.039	0	0	0	440
PL.69939	PL.69288	ABC	336 MCM AC	7.32Y	122.0	0.03	2.98	90.59	17	1909	561	96	0.29	0.0	3.380	0.041	9	2	2	437
PL.69940	PL.69939	ABC	336 MCM AC	7.32Y	121.9	0.09	3.07	90.16	17	1900	558	96	0.90	0.0	3.511	0.132	0	0	0	435
PL.70005	PL.69940	ABC	336 MCM AC	7.31Y	121.9	0.04	3.12	90.16	17	1899	556	96	0.43	0.0	3.574	0.062	0	0	0	435
PL.70374	PL.70005	C	#1/0 ACSR	7.31Y	121.9	0.00	3.12	24.79	11	175	47	97	0.00	0.0	3.578	0.005	0	0	0	48
PD.10514	PL.70374	C	65T	7.31Y	121.9	0.00	3.12	24.79	0	175	47	97	0.00	0.0	3.578	0.005	0	0	0	48

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Balanced Voltage Drop Report
Source: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.70375	PD.10514	C	#1/0 ACSR	7.31Y	121.8	0.09	3.21	24.79	11	175	47	97	0.10	0.1	3.731	0.153	0	0	0	48
PL.70006	PL.70375	C	#1/0 ACSR	7.30Y	121.7	0.06	3.27	24.79	11	175	47	97	0.07	0.0	3.841	0.110	0	0	0	48
PL.69723	PL.70006	C	#1/0 ACSR	7.30Y	121.6	0.09	3.36	24.79	11	175	47	97	0.11	0.1	4.005	0.164	2	1	1	48
PL.69724	PL.69723	C	#1/0 ACSR	7.30Y	121.6	0.05	3.41	24.46	11	173	46	97	0.05	0.0	4.085	0.080	0	0	0	47
PL.69942	PL.69724	C	#1/0 ACSR	7.29Y	121.5	0.05	3.46	23.21	10	164	43	97	0.06	0.0	4.184	0.098	4	1	2	45
PL.70128	PL.69942	C	#4 ACSR	7.29Y	121.4	0.09	3.55	22.64	17	160	42	97	0.11	0.1	4.277	0.093	4	1	1	43
PL.70129	PL.70128	C	#4 ACSR	7.28Y	121.4	0.06	3.61	22.12	17	156	41	97	0.07	0.0	4.341	0.065	8	2	3	42
PL.70127	PL.70129	C	#4 ACSR	7.28Y	121.4	0.02	3.63	20.94	16	147	39	97	0.02	0.0	4.360	0.019	0	0	0	39
PL.69728	PL.70127	C	#4 ACSR	7.28Y	121.4	0.00	3.64	1.42	1	10	3	96	0.00	0.0	4.453	0.093	4	1	1	3
PL.69729	PL.69728	C	#1/0 ACSR	7.28Y	121.4	0.00	3.64	0.87	0	6	2	95	0.00	0.0	4.495	0.041	6	2	2	2
PL.69727	PL.70127	C	#1/0 ACSR	7.28Y	121.4	0.01	3.64	19.52	8	137	36	97	0.01	0.0	4.391	0.031	0	0	0	36
PL.69730	PL.69727	C	#4 ACSR	7.28Y	121.3	0.07	3.72	19.52	15	137	36	97	0.08	0.1	4.480	0.089	8	2	1	36
PL.68581	PL.69730	C	#4 ACSR	7.27Y	121.2	0.07	3.79	18.42	14	130	34	97	0.07	0.1	4.565	0.085	6	2	2	35
PL.68582	PL.68581	C	#4 ACSR	7.27Y	121.2	0.04	3.83	17.56	14	123	33	97	0.04	0.0	4.625	0.060	17	4	3	33
PL.68583	PL.68582	C	#4 ACSR	7.27Y	121.2	0.00	3.83	0.06	0	0	0	100	0.00	0.0	4.649	0.024	0	0	2	2
PL.68584	PL.68583	C	#4 ACSR	7.27Y	121.2	0.00	3.83	0.00	0	0	0	100	0.00	0.0	4.735	0.086	0	0	0	0
PL.69731	PL.68582	C	#4 ACSR	7.27Y	121.1	0.07	3.90	15.12	12	106	28	97	0.06	0.1	4.725	0.101	0	0	0	28
PL.69733	PL.69731	C	#4 ACSR	7.26Y	121.1	0.05	3.95	9.37	7	66	17	97	0.02	0.0	4.847	0.122	7	2	1	14
PL.69734	PL.69733	C	#4 ACSR	7.26Y	121.0	0.02	3.96	3.94	3	28	7	97	0.00	0.0	4.972	0.125	9	2	3	7
PL.69735	PL.69734	C	#4 ACSR	7.26Y	121.0	0.00	3.96	0.00	0	0	0	100	0.00	0.0	5.039	0.068	0	0	0	0
PL.68572	PL.69734	C	#2 ACSR	7.26Y	121.0	0.01	3.97	2.73	2	19	5	97	0.00	0.0	5.038	0.067	4	1	1	4
PL.68573	PL.68572	C	#2 ACSR	7.26Y	121.0	0.00	3.97	2.10	1	15	4	97	0.00	0.0	5.064	0.026	8	2	1	3
PL.68574	PL.68573	C	#2 ACSR	7.26Y	121.0	0.00	3.97	0.96	1	7	2	96	0.00	0.0	5.089	0.025	7	2	2	2
PL.70125	PL.69733	C	#4 ACSR	7.26Y	121.1	0.00	3.95	2.75	2	19	5	97	0.00	0.0	4.880	0.033	13	4	2	3
PL.70126	PL.70125	C	#4 ACSR	7.26Y	121.0	0.00	3.95	0.84	1	6	2	95	0.00	0.0	4.962	0.082	6	2	1	1
PL.69732	PL.69733	C	#4 ACSR	7.26Y	121.1	0.00	3.95	1.65	1	12	3	97	0.00	0.0	4.899	0.052	12	3	3	3
PL.69736	PL.69731	C	#4 ACSR	7.27Y	121.1	0.00	3.90	0.00	0	0	0	100	0.00	0.0	4.778	0.053	0	0	0	0
PL.68568	PL.69731	C	#4 ACSR	7.26Y	121.1	0.03	3.92	5.76	4	40	11	96	0.01	0.0	4.838	0.112	8	2	1	14
PL.68569	PL.68568	C	#4 ACSR	7.26Y	121.1	0.01	3.94	4.57	4	32	8	97	0.00	0.0	4.905	0.067	2	1	1	13
PL.68570	PL.68569	C	6 A (CWC)	7.26Y	121.1	0.00	3.94	0.04	0	0	0	100	0.00	0.0	4.951	0.046	0	0	1	1
PL.68571	PL.68570	C	6 A (CWC)	7.26Y	121.1	0.00	3.94	0.00	0	0	0	100	0.00	0.0	4.989	0.038	0	0	0	0

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Balanced Voltage Drop Report
Source: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.69737	PL.68569	C	6 A (CWC)	7.26Y	121.0	0.03	3.97	4.18	3	29	8	96	0.01	0.0	5.088	0.183	0	0	0	11
PL.68566	PL.69737	C	6 A (CWC)	7.26Y	121.0	0.01	3.98	2.58	2	18	5	96	0.00	0.0	5.155	0.068	11	3	2	6
PL.68567	PL.68566	C	6 A (CWC)	7.26Y	121.0	0.01	3.98	1.00	1	7	2	96	0.00	0.0	5.271	0.115	0	0	0	4
PL.69741	PL.68567	C	6 A (CWC)	7.26Y	121.0	0.00	3.99	0.85	1	6	2	95	0.00	0.0	5.395	0.124	0	0	0	3
PL.69743	PL.69741	C	6 A (CWC)	7.26Y	121.0	0.00	3.99	0.85	1	6	2	95	0.00	0.0	5.454	0.059	6	2	1	1
PL.70258	PL.69741	C	#1/0 ACSR	7.26Y	121.0	0.00	3.99	0.00	0	0	0	100	0.00	0.0	5.400	0.005	0	0	0	2
PD.10453	PL.70258	C	10T	7.26Y	121.0	0.00	3.99	0.00	0	0	0	100	0.00	0.0	5.400	0.005	0	0	0	2
PL.70259	PD.10453	C	#1/0 ACSR	7.26Y	121.0	0.00	3.99	0.00	0	0	0	100	0.00	0.0	5.498	0.098	0	0	1	2
PL.68565	PL.70259	C	#1/0 ACSR	7.26Y	121.0	0.00	3.99	0.00	0	0	0	100	0.00	0.0	5.630	0.132	0	0	1	1
PL.69742	PL.68567	C	#1/0 ACSR	7.26Y	121.0	0.00	3.98	0.15	0	1	0	100	0.00	0.0	5.399	0.129	1	0	1	1
PL.69943	PL.69737	C	6 A (CWC)	7.26Y	121.0	0.00	3.98	1.61	1	11	3	96	0.00	0.0	5.154	0.067	4	1	1	5
PL.69739	PL.69943	C	6 A (CWC)	7.26Y	121.0	0.00	3.98	0.71	1	5	1	98	0.00	0.0	5.216	0.062	5	1	1	1
PL.69740	PL.69943	C	#2 ACSR	7.26Y	121.0	0.00	3.98	0.33	0	2	1	89	0.00	0.0	5.196	0.042	2	1	2	3
PL.69738	PL.69740	C	#2 ACSR	7.26Y	121.0	0.00	3.98	0.00	0	0	0	100	0.00	0.0	5.234	0.037	0	0	1	1
PL.69725	PL.69724	C	#4 ACSR	7.30Y	121.6	0.00	3.41	1.26	1	9	2	98	0.00	0.0	4.113	0.027	3	1	1	2
PL.69726	PL.69725	C	#1/0 ACSR	7.30Y	121.6	0.00	3.41	0.77	0	5	1	98	0.00	0.0	4.151	0.039	5	1	1	1
PL.69941	PL.70005	ABC	336 MCM AC	7.31Y	121.9	0.02	3.14	81.90	16	1723	508	96	0.20	0.0	3.609	0.036	0	0	0	387
PL.70328	PL.69941	A	6 A (CWC)	7.31Y	121.9	0.00	3.14	0.51	0	4	1	97	0.00	0.0	3.614	0.005	0	0	0	1
PD.10489	PL.70328	A	65T	7.31Y	121.9	0.00	3.14	0.51	0	4	1	97	0.00	0.0	3.614	0.005	0	0	0	1
PL.70329	PD.10489	A	6 A (CWC)	7.31Y	121.9	0.00	3.14	0.51	0	4	1	97	0.00	0.0	3.779	0.165	0	0	0	1
PL.70007	PL.70329	A	6 A (CWC)	7.31Y	121.9	0.00	3.15	0.51	0	4	1	97	0.00	0.0	3.918	0.139	0	0	0	1
PL.69946	PL.70007	A	6 A (CWC)	7.31Y	121.9	0.00	3.15	0.00	0	0	0	100	0.00	0.0	3.955	0.037	0	0	0	0
PL.69744	PL.70007	A	#1/0 ACSR	7.31Y	121.9	0.00	3.15	0.51	0	4	1	97	0.00	0.0	4.081	0.163	4	1	1	1
PL.69947	PL.69941	ABC	336 MCM AC	7.31Y	121.8	0.04	3.17	81.73	16	1720	507	96	0.32	0.0	3.667	0.057	2	1	1	386
PL.70320	PL.69947	ABC	336 MCM AC	7.31Y	121.8	0.00	3.18	81.14	16	1707	503	96	0.02	0.0	3.671	0.004	0	0	0	384
PL.70321	PL.70320	ABC	336 MCM AC	7.31Y	121.8	0.07	3.24	81.14	16	1707	502	96	0.59	0.0	3.778	0.107	0	0	0	384
PL.69948	PL.70321	ABC	336 MCM AC	7.30Y	121.7	0.08	3.32	80.66	16	1696	498	96	0.68	0.0	3.903	0.125	0	0	0	382
PL.70008	PL.69948	ABC	336 MCM AC	7.30Y	121.6	0.06	3.38	80.66	16	1695	497	96	0.54	0.0	4.001	0.098	0	0	0	382
PL.70009	PL.70008	ABC	336 MCM AC	7.30Y	121.6	0.03	3.41	80.66	16	1695	496	96	0.27	0.0	4.050	0.049	0	0	0	382
PL.69745	PL.70009	ABC	336 MCM AC	7.30Y	121.6	0.00	3.41	80.66	16	1695	495	96	0.01	0.0	4.051	0.001	0	0	0	382
C RG.65	PL.69745	ABC	76.2 KVA	7.48Y	124.7	-3.12	0.29	80.66	81	1695	495	96	percent Boost= 2.50 Tap= 4.0				0	0	0	382

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: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.69949	RG.65	ABC	336 MCM AC	7.48Y	124.7	0.00	0.29	78.64	15	1695	495	96	0.01	0.0	4.053	0.001	0	0	0	382
PL.69746	PL.69949	ABC	336 MCM AC	7.48Y	124.6	0.07	0.36	78.64	15	1695	495	96	0.64	0.0	4.175	0.122	0	0	0	382
PL.70010	PL.69746	ABC	336 MCM AC	7.47Y	124.6	0.07	0.43	78.64	15	1694	493	96	0.59	0.0	4.288	0.113	0	0	0	382
PL.70436	PL.70010	ABC	336 MCM AC	7.47Y	124.5	0.05	0.48	78.64	15	1693	492	96	0.46	0.0	4.376	0.088	0	0	0	382
C PD.10549	PL.70436	ABC	70L	7.47Y	124.5	0.00	0.48	78.64	112	1693	491	96	0.00	0.0	4.376	0.088	0	0	0	382 C
PL.70437	PD.10549	ABC	336 MCM AC	7.47Y	124.5	0.02	0.51	78.64	15	1693	491	96	0.21	0.0	4.417	0.041	0	0	1	382
PL.70217	PL.70437	ABC	336 MCM AC	7.47Y	124.5	0.03	0.54	78.64	15	1693	490	96	0.31	0.0	4.476	0.059	1	0	1	381
PL.70086	PL.70217	ABC	336 MCM AC	7.47Y	124.4	0.03	0.58	78.61	15	1692	490	96	0.29	0.0	4.531	0.055	0	0	0	380
PL.69747	PL.70086	ABC	336 MCM AC	7.46Y	124.4	0.04	0.62	78.61	15	1691	489	96	0.37	0.0	4.602	0.071	0	0	0	380
PL.69950	PL.69747	ABC	336 MCM AC	7.46Y	124.4	0.01	0.63	48.38	9	1045	284	96	0.06	0.0	4.635	0.033	7	2	2	243
PL.69951	PL.69950	ABC	336 MCM AC	7.46Y	124.3	0.04	0.67	47.77	9	1032	281	96	0.23	0.0	4.754	0.119	6	2	1	240
PL.70053	PL.69951	ABC	336 MCM AC	7.46Y	124.3	0.04	0.71	47.48	9	1025	279	96	0.20	0.0	4.861	0.106	0	0	0	239
PL.70054	PL.70053	ABC	336 MCM AC	7.46Y	124.3	0.00	0.71	47.48	9	1025	278	97	0.01	0.0	4.865	0.004	0	0	0	239
PL.70089	PL.70054	ABC	336 MCM AC	7.46Y	124.3	0.02	0.73	47.12	9	1017	276	97	0.13	0.0	4.932	0.067	0	0	0	236
PL.70090	PL.70089	ABC	336 MCM AC	7.45Y	124.2	0.03	0.77	47.12	9	1017	276	97	0.18	0.0	5.029	0.097	3	1	1	236
PL.69811	PL.70090	ABC	336 MCM AC	7.45Y	124.2	0.02	0.78	46.97	9	1014	274	97	0.09	0.0	5.077	0.048	0	0	0	235
PL.69814	PL.69811	ABC	336 MCM AC	7.45Y	124.2	0.02	0.80	46.97	9	1014	274	97	0.09	0.0	5.127	0.050	0	0	0	235
PL.69815	PL.69814	ABC	336 MCM AC	7.45Y	124.2	0.01	0.81	46.97	9	1014	274	97	0.07	0.0	5.163	0.036	0	0	0	235
PL.70442	PL.69815	ABC	336 MCM AC	7.45Y	124.2	0.00	0.81	46.97	9	1014	274	97	0.01	0.0	5.167	0.004	0	0	0	235
PL.70443	PL.70442	ABC	336 MCM AC	7.45Y	124.1	0.04	0.85	46.97	9	1014	274	97	0.20	0.0	5.276	0.109	0	0	0	235
PL.69967	PL.70443	ABC	336 MCM AC	7.45Y	124.1	0.03	0.88	46.47	9	1003	270	97	0.14	0.0	5.355	0.079	0	0	0	234
PL.70282	PL.69967	C	#4 ACSR	7.45Y	124.1	0.00	0.88	0.94	1	7	2	96	0.00	0.0	5.359	0.004	0	0	0	1
PD.10466	PL.70282	C	30T	7.45Y	124.1	0.00	0.88	0.94	0	7	2	96	0.00	0.0	5.359	0.004	0	0	0	1
PL.70283	PD.10466	C	#4 ACSR	7.45Y	124.1	0.00	0.88	0.94	1	7	2	96	0.00	0.0	5.385	0.026	0	0	0	1
PL.69816	PL.70283	C	#2 ACSR	7.45Y	124.1	0.00	0.88	0.94	1	7	2	96	0.00	0.0	5.401	0.016	7	2	1	1
PL.69968	PL.69967	ABC	336 MCM AC	7.44Y	124.1	0.05	0.93	46.16	9	996	268	97	0.28	0.0	5.511	0.156	1	0	1	233
PL.69817	PL.69968	ABC	336 MCM AC	7.44Y	124.1	0.02	0.95	18.02	3	389	103	97	0.03	0.0	5.635	0.124	1	0	2	95
PL.69991	PL.69817	ABC	336 MCM AC	7.44Y	124.0	0.01	0.96	17.65	3	381	101	97	0.01	0.0	5.687	0.052	0	0	0	91
PL.70095	PL.69991	ABC	336 MCM AC	7.44Y	124.0	0.01	0.96	17.65	3	381	101	97	0.01	0.0	5.732	0.045	1	0	1	91
PL.70096	PL.70095	ABC	336 MCM AC	7.44Y	124.0	0.01	0.97	17.63	3	380	101	97	0.01	0.0	5.781	0.049	4	1	3	90
PL.70280	PL.70096	C	#1/0 ACSR	7.44Y	124.0	0.00	0.97	1.12	0	8	2	97	0.00	0.0	5.785	0.004	0	0	0	1

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Balanced Voltage Drop Report
Source: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.10465	PL.70280	C	30T	7.44Y	124.0	0.00	0.97	1.12	0	8	2	97	0.00	0.0	5.785	0.004	0	0	0	1
PL.70281	PD.10465	C	#1/0 ACSR	7.44Y	124.0	0.00	0.97	1.12	0	8	2	97	0.00	0.0	5.834	0.048	8	2	1	1
PL.69992	PL.70096	ABC	336 MCM AC	7.44Y	124.0	0.01	0.98	17.08	3	369	98	97	0.02	0.0	5.858	0.077	5	1	4	86
PL.69849	PL.69992	ABC	336 MCM AC	7.44Y	124.0	0.01	0.98	16.84	3	363	96	97	0.01	0.0	5.906	0.048	0	0	0	82
PL.69878	PL.69849	ABC	336 MCM AC	7.44Y	124.0	0.00	0.99	16.84	3	363	96	97	0.01	0.0	5.942	0.035	0	0	0	82
PL.69993	PL.69878	ABC	336 MCM AC	7.44Y	124.0	0.00	0.99	15.47	3	334	88	97	0.00	0.0	5.958	0.016	4	1	1	78
PL.69879	PL.69993	ABC	336 MCM AC	7.44Y	124.0	0.01	0.99	15.27	3	329	87	97	0.01	0.0	6.007	0.050	23	6	3	77
PL.69995	PL.69879	ABC	336 MCM AC	7.44Y	124.0	0.00	1.00	14.21	3	307	81	97	0.01	0.0	6.050	0.042	8	2	3	74
PL.69996	PL.69995	ABC	336 MCM AC	7.44Y	124.0	0.00	1.00	13.82	3	298	79	97	0.00	0.0	6.067	0.017	0	0	0	71
PL.70232	PL.69996	ABC	336 MCM AC	7.44Y	124.0	0.00	1.01	13.42	3	290	77	97	0.01	0.0	6.116	0.050	11	3	3	68
PL.70233	PL.70232	ABC	336 MCM AC	7.44Y	124.0	0.00	1.01	12.90	2	278	74	97	0.01	0.0	6.162	0.046	6	2	2	65
PL.70234	PL.70233	ABC	336 MCM AC	7.44Y	124.0	0.01	1.01	12.60	2	272	72	97	0.01	0.0	6.219	0.057	2	1	3	63
PL.70235	PL.70234	ABC	336 MCM AC	7.44Y	124.0	0.00	1.02	12.52	2	270	71	97	0.01	0.0	6.263	0.043	13	3	3	60
PL.70230	PL.70235	ABC	336 MCM AC	7.44Y	124.0	0.00	1.02	9.74	2	210	56	97	0.00	0.0	6.312	0.049	0	0	0	45
PL.70231	PL.70230	ABC	336 MCM AC	7.44Y	124.0	0.00	1.02	9.74	2	210	56	97	0.00	0.0	6.338	0.026	0	0	0	45
PL.70056	PL.70231	ABC	336 MCM AC	7.44Y	124.0	0.00	1.03	9.23	2	199	53	97	0.00	0.0	6.400	0.062	21	6	3	42
PL.70057	PL.70056	ABC	336 MCM AC	7.44Y	124.0	0.00	1.03	4.79	1	103	27	97	0.00	0.0	6.510	0.110	0	0	0	18
PL.70027	PL.70057	ABC	336 MCM AC	7.44Y	124.0	0.00	1.04	4.79	1	103	27	97	0.00	0.0	6.641	0.131	0	0	0	18
PL.70228	PL.70027	ABC	336 MCM AC	7.44Y	124.0	0.00	1.04	4.31	1	93	25	97	0.00	0.0	6.721	0.080	3	1	1	15
PL.70229	PL.70228	ABC	336 MCM AC	7.44Y	124.0	0.00	1.04	4.17	1	90	24	97	0.00	0.0	6.740	0.019	38	10	2	14
PL.70227	PL.70229	ABC	336 MCM AC	7.44Y	124.0	0.00	1.04	2.41	0	52	14	97	0.00	0.0	6.771	0.032	3	1	2	12
PL.69889	PL.70227	ABC	336 MCM AC	7.44Y	124.0	0.00	1.04	0.25	0	5	1	98	0.00	0.0	6.824	0.052	0	0	0	1
PL.72527	PL.69889	ABC	336 MCM AC	7.44Y	124.0	0.00	1.04	0.00	0	0	0	100	0.00	0.0	6.843	0.019	0	0	0	0
PD.1844-B	PL.72527	ABC	Open	7.44Y	124.0	0.00	1.04	0.00	0	0	0	100	0.00	0.0	6.843	0.019	0	0	0	0
PL.70360	PL.69889	B	#4 ACSR	7.44Y	124.0	0.00	1.04	0.75	1	5	1	98	0.00	0.0	6.828	0.005	0	0	0	1
PD.10506	PL.70360	B	25T	7.44Y	124.0	0.00	1.04	0.75	0	5	1	98	0.00	0.0	6.828	0.005	0	0	0	1
PL.70361	PD.10506	B	#4 ACSR	7.44Y	124.0	0.00	1.04	0.75	1	5	1	98	0.00	0.0	6.926	0.098	5	1	1	1
PL.70416	PL.70227	B	#2 ACSR	7.44Y	124.0	0.00	1.04	6.07	3	44	12	96	0.00	0.0	6.776	0.005	0	0	0	9
PD.10537	PL.70416	B	50T	7.44Y	124.0	0.00	1.04	6.07	0	44	12	96	0.00	0.0	6.776	0.005	0	0	0	9
PL.70417	PD.10537	B	#2 ACSR	7.44Y	123.9	0.01	1.05	6.07	3	44	12	96	0.00	0.0	6.826	0.050	0	0	0	9
PL.70000	PL.70417	B	#2 ACSR	7.44Y	123.9	0.00	1.05	0.80	0	6	2	95	0.00	0.0	6.870	0.045	6	2	1	1

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Balanced Voltage Drop Report
Source: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.69902	PL.70417	B	#4 ACSR	7.44Y	123.9	0.01	1.06	5.27	4	38	10	97	0.00	0.0	6.890	0.065	20	5	3	8
PL.69903	PL.69902	B	#2 ACSR	7.44Y	123.9	0.00	1.07	2.44	1	18	5	96	0.00	0.0	6.963	0.073	11	3	3	5
PL.69904	PL.69903	B	#2 ACSR	7.44Y	123.9	0.00	1.07	0.95	1	7	2	96	0.00	0.0	7.021	0.057	7	2	2	2
PL.70362	PL.70027	A	#4 ACSR	7.44Y	124.0	0.00	1.04	1.43	1	10	3	96	0.00	0.0	6.646	0.005	0	0	0	3
PD.10507	PL.70362	A	50T	7.44Y	124.0	0.00	1.04	1.43	0	10	3	96	0.00	0.0	6.646	0.005	0	0	0	3
PL.70363	PD.10507	A	#4 ACSR	7.44Y	124.0	0.00	1.04	1.43	1	10	3	96	0.00	0.0	6.680	0.035	10	3	3	3
PL.70432	PL.70056	B	#4 ACSR	7.44Y	124.0	0.00	1.03	10.40	8	75	20	97	0.00	0.0	6.402	0.003	0	0	0	21
PD.10547	PL.70432	B	50L	7.44Y	124.0	0.00	1.03	10.40	21	75	20	97	0.00	0.0	6.402	0.003	0	0	0	21
PL.70433	PD.10547	B	#4 ACSR	7.44Y	123.9	0.05	1.08	10.40	8	75	20	97	0.03	0.0	6.519	0.116	13	3	2	21
PL.70226	PL.70433	B	#4 ACSR	7.43Y	123.9	0.01	1.09	8.57	7	62	16	97	0.00	0.0	6.553	0.035	17	4	3	19
PL.70224	PL.70226	B	6 A (CWC)	7.43Y	123.9	0.02	1.11	6.20	4	45	12	97	0.01	0.0	6.621	0.067	5	1	2	16
PL.70225	PL.70224	B	6 A (CWC)	7.43Y	123.9	0.02	1.13	5.54	4	40	11	96	0.01	0.0	6.707	0.087	0	0	0	14
PL.70025	PL.70225	B	6 A (CWC)	7.43Y	123.8	0.02	1.15	5.54	4	40	11	96	0.01	0.0	6.803	0.096	0	0	0	14
PL.70222	PL.70025	B	6 A (CWC)	7.43Y	123.8	0.02	1.18	5.54	4	40	11	96	0.01	0.0	6.897	0.094	0	0	0	14
PL.70223	PL.70222	B	6 A (CWC)	7.43Y	123.8	0.01	1.19	5.54	4	40	11	96	0.00	0.0	6.955	0.058	0	0	0	14
PL.69890	PL.70223	B	6 A (CWC)	7.43Y	123.8	0.04	1.23	5.54	4	40	11	96	0.01	0.0	7.110	0.155	0	0	0	14
PL.69891	PL.69890	B	6 A (CWC)	7.43Y	123.8	0.02	1.25	5.54	4	40	11	96	0.01	0.0	7.179	0.069	1	0	1	14
PL.69997	PL.69891	B	6 A (CWC)	7.42Y	123.7	0.01	1.26	4.39	3	32	8	97	0.00	0.0	7.224	0.045	0	0	0	11
PL.69894	PL.69997	B	#1/0 ACSR	7.42Y	123.7	0.00	1.26	1.38	1	10	3	96	0.00	0.0	7.282	0.058	10	3	2	2
PL.69998	PL.69997	B	6 A (CWC)	7.42Y	123.7	0.01	1.27	3.01	2	22	6	96	0.00	0.0	7.318	0.094	2	0	1	9
PL.70220	PL.69998	B	6 A (CWC)	7.42Y	123.7	0.01	1.28	2.69	2	19	5	97	0.00	0.0	7.409	0.092	2	1	1	7
PL.70221	PL.70220	B	6 A (CWC)	7.42Y	123.7	0.01	1.29	2.35	2	17	4	97	0.00	0.0	7.489	0.080	2	1	1	6
PL.70219	PL.70221	B	6 A (CWC)	7.42Y	123.7	0.00	1.29	2.03	1	15	4	97	0.00	0.0	7.543	0.053	0	0	0	5
PL.69897	PL.70219	B	#2 ACSR	7.42Y	123.7	0.00	1.29	0.22	0	2	0	100	0.00	0.0	7.611	0.068	2	0	1	1
PL.69898	PL.70219	B	6 A (CWC)	7.42Y	123.7	0.01	1.30	1.81	1	13	3	97	0.00	0.0	7.655	0.112	2	1	1	4
PL.69900	PL.69898	B	6 A (CWC)	7.42Y	123.7	0.00	1.30	0.02	0	0	0	100	0.00	0.0	7.832	0.177	0	0	1	1
PL.69899	PL.69898	B	#4 ACSR	7.42Y	123.7	0.00	1.30	1.48	1	11	3	96	0.00	0.0	7.707	0.051	11	3	2	2
PL.69999	PL.69998	B	#4 ACSR	7.42Y	123.7	0.00	1.27	0.11	0	1	0	100	0.00	0.0	7.348	0.030	0	0	0	1
PL.69895	PL.69999	B	#4 ACSR	7.42Y	123.7	0.00	1.27	0.11	0	1	0	100	0.00	0.0	7.386	0.039	1	0	1	1
PL.69896	PL.69999	B	#4 ACSR	7.42Y	123.7	0.00	1.27	0.00	0	0	0	100	0.00	0.0	7.371	0.023	0	0	0	0
PL.69892	PL.69891	B	#4 ACSR	7.43Y	123.8	0.00	1.25	0.71	1	5	1	98	0.00	0.0	7.237	0.058	5	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: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----			
																KW	KVAR	Cons On	Cons Thru	
PL.69893	PL.69891	B	#1/0 ACSR	7.43Y	123.8	0.00	1.25	0.29	0	2	1	89	0.00	0.0	7.248	0.069	2	1	1	1
PL.70364	PL.70231	C	#4 ACSR	7.44Y	124.0	0.00	1.02	1.53	1	11	3	96	0.00	0.0	6.343	0.005	0	0	0	3
PD.10508	PL.70364	C	50T	7.44Y	124.0	0.00	1.02	1.53	0	11	3	96	0.00	0.0	6.343	0.005	0	0	0	3
PL.70365	PD.10508	C	#4 ACSR	7.44Y	124.0	0.00	1.03	1.53	1	11	3	96	0.00	0.0	6.364	0.021	11	3	3	3
PL.70434	PL.70235	A	6 A (CWC)	7.44Y	124.0	0.00	1.02	6.59	5	47	13	96	0.00	0.0	6.265	0.003	0	0	0	12
PD.10548	PL.70434	A	35L	7.44Y	124.0	0.00	1.02	6.59	19	47	13	96	0.00	0.0	6.265	0.003	0	0	0	12
PL.70435	PD.10548	A	6 A (CWC)	7.44Y	124.0	0.01	1.03	6.59	5	47	13	96	0.00	0.0	6.309	0.043	24	6	4	12
PL.70094	PL.70435	A	6 A (CWC)	7.44Y	124.0	0.01	1.04	3.23	2	23	6	97	0.00	0.0	6.381	0.073	8	2	1	8
PL.70093	PL.70094	A	6 A (CWC)	7.44Y	124.0	0.01	1.05	2.14	2	15	4	97	0.00	0.0	6.493	0.111	0	0	0	7
PL.70021	PL.70093	A	6 A (CWC)	7.44Y	123.9	0.02	1.07	2.14	2	15	4	97	0.00	0.0	6.665	0.172	0	0	0	7
PL.69888	PL.70021	A	#4 ACSR	7.44Y	123.9	0.00	1.07	0.06	0	0	0	100	0.00	0.0	6.743	0.078	0	0	0	2
PL.69884	PL.69888	A	#4 ACSR	7.44Y	123.9	0.00	1.07	0.06	0	0	0	100	0.00	0.0	6.861	0.118	0	0	0	2
PL.70022	PL.69884	A	#4 ACSR	7.44Y	123.9	0.00	1.07	0.06	0	0	0	100	0.00	0.0	7.018	0.157	0	0	0	2
PL.70023	PL.70022	A	#4 ACSR	7.44Y	123.9	0.00	1.07	0.06	0	0	0	100	0.00	0.0	7.107	0.089	0	0	0	2
PL.69886	PL.70023	A	#4 ACSR	7.44Y	123.9	0.00	1.07	0.04	0	0	0	100	0.00	0.0	7.272	0.165	0	0	1	1
PL.69885	PL.70023	A	#4 ACSR	7.44Y	123.9	0.00	1.07	0.02	0	0	0	100	0.00	0.0	7.201	0.095	0	0	1	1
PL.69887	PL.70021	A	6 A (CWC)	7.44Y	123.9	0.01	1.08	2.08	1	15	4	97	0.00	0.0	6.789	0.124	0	0	0	5
PL.70091	PL.69887	A	6 A (CWC)	7.43Y	123.9	0.01	1.09	2.08	1	15	4	97	0.00	0.0	6.962	0.173	11	3	1	5
PL.70092	PL.70091	A	6 A (CWC)	7.43Y	123.9	0.00	1.09	0.53	0	4	1	97	0.00	0.0	7.088	0.126	0	0	1	4
PL.70270	PL.70092	A	6 A (CWC)	7.43Y	123.9	0.00	1.09	0.52	0	4	1	97	0.00	0.0	7.092	0.004	0	0	0	3
PD.10460	PL.70270	A	15T	7.43Y	123.9	0.00	1.09	0.52	0	4	1	97	0.00	0.0	7.092	0.004	0	0	0	3
PL.70271	PD.10460	A	6 A (CWC)	7.43Y	123.9	0.00	1.09	0.52	0	4	1	97	0.00	0.0	7.166	0.074	0	0	0	3
PL.70024	PL.70271	A	6 A (CWC)	7.43Y	123.9	0.00	1.10	0.52	0	4	1	97	0.00	0.0	7.345	0.179	0	0	0	3
PL.70080	PL.70024	A	6 A (CWC)	7.43Y	123.9	0.00	1.10	0.52	0	4	1	97	0.00	0.0	7.409	0.064	0	0	2	3
PL.70081	PL.70080	A	6 A (CWC)	7.43Y	123.9	0.00	1.10	0.51	0	4	1	97	0.00	0.0	7.447	0.037	0	0	0	1
PL.69883	PL.70081	A	#1/0 ACSR	7.43Y	123.9	0.00	1.10	0.51	0	4	1	97	0.00	0.0	7.589	0.142	4	1	1	1
PL.69880	PL.69996	B	#4 ACSR	7.44Y	124.0	0.00	1.00	1.22	1	9	2	98	0.00	0.0	6.102	0.035	9	2	3	3
PL.70366	PL.69878	A	#4 ACSR	7.44Y	124.0	0.00	0.99	4.11	3	30	8	97	0.00	0.0	5.946	0.005	0	0	0	4
PD.10509	PL.70366	A	50T	7.44Y	124.0	0.00	0.99	4.11	0	30	8	97	0.00	0.0	5.946	0.005	0	0	0	4
PL.70367	PD.10509	A	#4 ACSR	7.44Y	124.0	0.01	1.00	4.11	3	30	8	97	0.00	0.0	6.002	0.056	7	2	2	4
PL.70418	PL.70367	A	#4 ACSR	7.44Y	124.0	0.00	1.00	3.17	2	23	6	97	0.00	0.0	6.006	0.004	0	0	0	2

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Balanced Voltage Drop Report
Source: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.10538	PL.70418	A	20T	7.44Y	124.0	0.00	1.00	3.17	0	23	6	97	0.00	0.0	6.006	0.004	0	0	0	2
PL.70419	PD.10538	A	#4 ACSR	7.44Y	124.0	0.01	1.01	3.17	2	23	6	97	0.00	0.0	6.065	0.060	4	1	1	2
PL.69994	PL.70419	A	#4 ACSR	7.44Y	124.0	0.00	1.01	0.00	0	0	0	100	0.00	0.0	6.085	0.020	0	0	0	0
PL.69881	PL.70419	A	#4 ACSR	7.44Y	124.0	0.01	1.02	2.55	2	18	5	96	0.00	0.0	6.168	0.102	0	0	0	1
PL.69882	PL.69881	A	#4 ACSR	7.44Y	124.0	0.00	1.02	2.55	2	18	5	96	0.00	0.0	6.233	0.065	18	5	1	1
PL.70276	PL.69991	A	#4 ACSR	7.44Y	124.0	0.00	0.96	0.00	0	0	0	100	0.00	0.0	5.691	0.004	0	0	0	0
PD.10463	PL.70276	A	50T	7.44Y	124.0	0.00	0.96	0.00	0	0	0	100	0.00	0.0	5.691	0.004	0	0	0	0
PL.70277	PD.10463	A	#4 ACSR	7.44Y	124.0	0.00	0.96	0.00	0	0	0	100	0.00	0.0	5.711	0.019	0	0	0	0
PL.70218	PL.70277	A	#4 ACSR	7.44Y	124.0	0.00	0.96	0.00	0	0	0	100	0.00	0.0	5.806	0.095	0	0	0	0
PL.69848	PL.70218	A	#4 ACSR	7.44Y	124.0	0.00	0.96	0.00	0	0	0	100	0.00	0.0	5.839	0.033	0	0	0	0
PL.70278	PL.69817	A	#1/0 ACSR	7.44Y	124.1	0.00	0.95	0.92	0	7	2	96	0.00	0.0	5.639	0.004	0	0	0	2
PD.10464	PL.70278	A	25T	7.44Y	124.1	0.00	0.95	0.92	0	7	2	96	0.00	0.0	5.639	0.004	0	0	0	2
PL.70279	PD.10464	A	#1/0 ACSR	7.44Y	124.1	0.00	0.95	0.92	0	7	2	96	0.00	0.0	5.667	0.028	7	2	2	2
PL.70440	PL.69968	ABC	#1/0 ACSR	7.44Y	124.1	0.01	0.95	28.07	12	605	164	97	0.06	0.0	5.540	0.029	0	0	0	137
PD.10551	PL.70440	ABC	50L	7.44Y	124.1	0.00	0.95	28.07	56	605	164	97	0.00	0.0	5.540	0.029	0	0	0	137
PL.70441	PD.10551	ABC	#1/0 ACSR	7.44Y	124.0	0.02	0.97	28.07	12	605	164	97	0.10	0.0	5.587	0.047	6	2	1	137
PL.69818	PL.70441	ABC	#1/0 ACSR	7.44Y	124.0	0.06	1.04	27.79	12	599	162	97	0.27	0.0	5.717	0.130	4	1	1	136
PL.69969	PL.69818	ABC	#1/0 ACSR	7.44Y	123.9	0.05	1.08	27.41	12	590	160	97	0.18	0.0	5.810	0.092	0	0	0	134
PL.70028	PL.69969	ABC	#1/0 ACSR	7.43Y	123.9	0.06	1.14	27.41	12	590	160	97	0.25	0.0	5.936	0.126	2	1	1	134
PL.69819	PL.70028	ABC	#1/0 ACSR	7.43Y	123.8	0.03	1.17	27.30	12	587	159	97	0.12	0.0	5.995	0.059	0	0	0	133
PL.70412	PL.69819	C	#1/0 ACSR	7.43Y	123.8	0.00	1.17	0.88	0	6	2	95	0.00	0.0	5.999	0.005	0	0	0	2
PD.10535	PL.70412	C	20T	7.43Y	123.8	0.00	1.17	0.88	0	6	2	95	0.00	0.0	5.999	0.005	0	0	0	2
PL.70413	PD.10535	C	#1/0 ACSR	7.43Y	123.8	0.00	1.17	0.88	0	6	2	95	0.00	0.0	6.023	0.024	6	2	2	2
PL.69970	PL.69819	ABC	#1/0 ACSR	7.43Y	123.8	0.03	1.20	27.00	12	581	157	97	0.13	0.0	6.059	0.065	0	0	0	131
PL.70334	PL.69970	A	#2 ACSR	7.43Y	123.8	0.00	1.20	1.06	1	8	2	97	0.00	0.0	6.064	0.005	0	0	0	1
PD.10493	PL.70334	A	20T	7.43Y	123.8	0.00	1.20	1.06	0	8	2	97	0.00	0.0	6.064	0.005	0	0	0	1
PL.70335	PD.10493	A	#2 ACSR	7.43Y	123.8	0.00	1.21	1.06	1	8	2	97	0.00	0.0	6.164	0.100	0	0	0	1
PL.69820	PL.70335	A	#2 ACSR	7.43Y	123.8	0.00	1.21	1.06	1	8	2	97	0.00	0.0	6.205	0.040	8	2	1	1
PL.70336	PL.69970	ABC	#1/0 ACSR	7.43Y	123.8	0.00	1.21	26.65	12	573	155	97	0.01	0.0	6.064	0.005	0	0	0	130
PL.70337	PL.70336	ABC	#1/0 ACSR	7.42Y	123.7	0.06	1.27	26.65	12	573	155	97	0.24	0.0	6.193	0.129	0	0	0	130
PL.70338	PL.70337	C	#2 ACSR	7.42Y	123.7	0.00	1.27	5.50	3	39	10	97	0.00	0.0	6.197	0.005	0	0	0	6

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PD.10494	PL.70338	C	20T	7.42Y	123.7	0.00	1.27	5.50	0	39	10	97	0.00	0.0	6.197	0.005	0	0	0	6
PL.70339	PD.10494	C	#2 ACSR	7.42Y	123.7	0.00	1.27	5.50	3	39	10	97	0.00	0.0	6.221	0.023	4	1	1	6
PL.70192	PL.70339	C	#4 ACSR	7.42Y	123.7	0.02	1.30	4.92	4	35	9	97	0.01	0.0	6.345	0.124	8	2	1	5
PL.70193	PL.70192	C	#4 ACSR	7.42Y	123.7	0.01	1.30	3.75	3	27	7	97	0.00	0.0	6.407	0.061	10	3	1	4
PL.70204	PL.70193	C	#1/0 ACSR	7.42Y	123.7	0.00	1.30	1.35	1	10	3	96	0.00	0.0	6.435	0.028	0	0	1	2
PL.70205	PL.70204	C	#1/0 ACSR	7.42Y	123.7	0.00	1.31	1.35	1	10	3	96	0.00	0.0	6.592	0.157	10	3	1	1
PL.69821	PL.70193	C	#1/0 ACSR	7.42Y	123.7	0.00	1.30	0.98	0	7	2	96	0.00	0.0	6.452	0.045	7	2	1	1
PL.69971	PL.70337	ABC	#1/0 ACSR	7.42Y	123.7	0.03	1.30	24.82	11	534	144	97	0.11	0.0	6.261	0.068	0	0	0	124
PL.69822	PL.69971	ABC	#1/0 ACSR	7.42Y	123.7	0.05	1.35	24.82	11	533	144	97	0.18	0.0	6.373	0.111	3	1	1	124
PL.70392	PL.69822	A	#2 ACSR	7.42Y	123.7	0.00	1.35	6.69	4	48	13	97	0.00	0.0	6.377	0.005	0	0	0	19
PD.10523	PL.70392	A	40T	7.42Y	123.7	0.00	1.35	6.69	0	48	13	97	0.00	0.0	6.377	0.005	0	0	0	19
PL.70393	PD.10523	A	#2 ACSR	7.42Y	123.6	0.02	1.37	6.69	4	48	13	97	0.01	0.0	6.472	0.094	0	0	2	19
PL.70055	PL.70393	A	6 A (CWC)	7.42Y	123.6	0.02	1.39	6.69	5	48	13	97	0.01	0.0	6.547	0.075	4	1	1	17
PL.69295	PL.70055	A	6 A (CWC)	7.42Y	123.6	0.01	1.40	6.20	4	44	12	96	0.00	0.0	6.598	0.051	0	0	0	16
PL.69296	PL.69295	A	6 A (CWC)	7.41Y	123.6	0.02	1.43	6.20	4	44	12	96	0.01	0.0	6.676	0.078	0	0	0	16
PL.69825	PL.69296	A	#1/0 ACSR	7.41Y	123.6	0.00	1.43	0.80	0	6	2	95	0.00	0.0	6.786	0.110	0	0	0	2
PL.69826	PL.69825	A	#1/0 ACSR	7.41Y	123.6	0.00	1.43	0.80	0	6	2	95	0.00	0.0	6.828	0.042	6	2	1	1
PL.69291	PL.69825	A	#1/0 ACSR	7.41Y	123.6	0.00	1.43	0.00	0	0	0	100	0.00	0.0	6.850	0.065	0	0	1	1
PL.69292	PL.69291	A	#1/0 ACSR	7.41Y	123.6	0.00	1.43	0.00	0	0	0	100	0.00	0.0	6.911	0.061	0	0	0	0
PL.69293	PL.69296	A	6 A (CWC)	7.41Y	123.6	0.01	1.44	5.40	4	39	10	97	0.00	0.0	6.733	0.057	0	0	0	14
PL.69294	PL.69293	A	6 A (CWC)	7.41Y	123.5	0.02	1.46	5.40	4	39	10	97	0.01	0.0	6.811	0.079	0	0	1	14
PL.69828	PL.69294	A	#1/0 ACSR	7.41Y	123.5	0.00	1.46	0.66	0	5	1	98	0.00	0.0	6.945	0.134	4	1	1	2
PL.69827	PL.69828	A	#1/0 ACSR	7.41Y	123.5	0.00	1.46	0.03	0	0	0	100	0.00	0.0	6.976	0.030	0	0	1	1
PL.70052	PL.69294	A	6 A (CWC)	7.41Y	123.5	0.03	1.49	4.74	3	34	9	97	0.01	0.0	6.952	0.141	5	1	1	11
PL.69830	PL.70052	A	6 A (CWC)	7.41Y	123.5	0.00	1.49	3.74	3	27	7	97	0.00	0.0	6.956	0.003	0	0	0	9
PL.69297	PL.69830	A	#4 ACSR	7.41Y	123.5	0.00	1.49	3.74	3	27	7	97	0.00	0.0	6.982	0.027	0	0	0	9
PL.69298	PL.69297	A	#4 ACSR	7.41Y	123.5	0.00	1.50	3.74	3	27	7	97	0.00	0.0	7.002	0.020	7	2	1	9
PL.69831	PL.69298	A	#4 ACSR	7.41Y	123.5	0.01	1.50	2.82	2	20	5	97	0.00	0.0	7.088	0.086	7	2	1	8
PL.69972	PL.69831	A	#4 ACSR	7.41Y	123.5	0.00	1.51	1.87	1	13	4	96	0.00	0.0	7.135	0.047	0	0	1	6
PL.70182	PL.69972	A	#4 ACSR	7.41Y	123.5	0.01	1.51	1.87	1	13	4	96	0.00	0.0	7.228	0.093	7	2	1	5
PL.70183	PL.70182	A	#4 ACSR	7.41Y	123.5	0.00	1.52	0.85	1	6	2	95	0.00	0.0	7.312	0.084	0	0	0	4

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.70180	PL.70183	A	#4 ACSR	7.41Y	123.5	0.00	1.52	0.85	1	6	2	95	0.00	0.0	7.400	0.088	2	1	2	3
PL.70181	PL.70180	A	#4 ACSR	7.41Y	123.5	0.00	1.52	0.54	0	4	1	97	0.00	0.0	7.534	0.134	0	0	0	1
PL.69833	PL.70181	A	#4 ACSR	7.41Y	123.5	0.00	1.52	0.54	0	4	1	97	0.00	0.0	7.565	0.031	4	1	1	1
PL.70188	PL.70183	A	#1/0 ACSR	7.41Y	123.5	0.00	1.52	0.00	0	0	0	100	0.00	0.0	7.388	0.076	0	0	1	1
PL.70189	PL.70188	A	#1/0 ACSR	7.41Y	123.5	0.00	1.52	0.00	0	0	0	100	0.00	0.0	7.516	0.128	0	0	0	0
PL.69832	PL.69831	A	#1/0 ACSR	7.41Y	123.5	0.00	1.50	0.00	0	0	0	100	0.00	0.0	7.140	0.051	0	0	1	1
PL.69829	PL.70052	A	#4 ACSR	7.41Y	123.5	0.00	1.49	0.26	0	2	1	89	0.00	0.0	7.125	0.173	0	0	0	1
PL.70029	PL.69829	A	#4 ACSR	7.41Y	123.5	0.00	1.49	0.26	0	2	1	89	0.00	0.0	7.217	0.092	2	1	1	1
PL.70390	PL.69822	A	#2 ACSR	7.42Y	123.7	0.00	1.35	0.83	0	6	2	95	0.00	0.0	6.377	0.005	0	0	0	1
PD.10522	PL.70390	A	40T	7.42Y	123.7	0.00	1.35	0.83	0	6	2	95	0.00	0.0	6.377	0.005	0	0	0	1
PL.70391	PD.10522	A	#2 ACSR	7.42Y	123.7	0.00	1.35	0.83	0	6	2	95	0.00	0.0	6.451	0.074	6	2	1	1
PL.69823	PL.69822	ABC	#1/0 ACSR	7.42Y	123.6	0.04	1.39	22.19	10	477	129	97	0.14	0.0	6.482	0.110	0	0	0	103
PL.70340	PL.69823	C	#1/0 ACSR	7.42Y	123.6	0.00	1.39	0.68	0	5	1	98	0.00	0.0	6.486	0.004	0	0	0	2
PD.10495	PL.70340	C	40T	7.42Y	123.6	0.00	1.39	0.68	0	5	1	98	0.00	0.0	6.486	0.004	0	0	0	2
PL.70341	PD.10495	C	#1/0 ACSR	7.42Y	123.6	0.00	1.39	0.68	0	5	1	98	0.00	0.0	6.496	0.009	5	1	2	2
PL.69977	PL.69823	ABC	#1/0 ACSR	7.41Y	123.6	0.04	1.43	21.97	10	472	128	97	0.13	0.0	6.581	0.099	0	0	0	101
PL.70030	PL.69977	ABC	#1/0 ACSR	7.41Y	123.5	0.06	1.49	21.97	10	472	128	97	0.19	0.0	6.730	0.149	0	0	0	101
PL.69834	PL.70030	ABC	#1/0 ACSR	7.41Y	123.4	0.06	1.55	21.97	10	471	127	97	0.20	0.0	6.888	0.158	0	0	0	101
PL.70031	PL.69834	ABC	#1/0 ACSR	7.41Y	123.4	0.03	1.58	21.97	10	471	127	97	0.09	0.0	6.955	0.067	0	0	0	101
PL.69978	PL.70031	ABC	#1/0 ACSR	7.40Y	123.4	0.01	1.59	21.28	9	456	123	97	0.04	0.0	6.992	0.037	0	0	0	98
PL.69836	PL.69978	ABC	#1/0 ACSR	7.40Y	123.4	0.04	1.63	21.28	9	456	123	97	0.12	0.0	7.091	0.099	0	0	0	98
PL.70032	PL.69836	ABC	#1/0 ACSR	7.40Y	123.3	0.05	1.68	21.28	9	456	123	97	0.14	0.0	7.210	0.119	0	0	0	98
PL.70033	PL.70032	ABC	#1/0 ACSR	7.40Y	123.3	0.04	1.72	21.28	9	456	123	97	0.14	0.0	7.325	0.115	0	0	0	98
PL.70034	PL.70033	ABC	#1/0 ACSR	7.40Y	123.3	0.03	1.75	21.28	9	456	123	97	0.09	0.0	7.402	0.077	0	0	0	98
PL.70198	PL.70034	ABC	#1/0 ACSR	7.39Y	123.2	0.01	1.76	21.28	9	456	123	97	0.05	0.0	7.440	0.038	7	2	1	98
PL.70199	PL.70198	ABC	#1/0 ACSR	7.39Y	123.2	0.01	1.78	20.94	9	449	121	97	0.04	0.0	7.479	0.039	12	3	1	97
PL.69973	PL.70199	ABC	#1/0 ACSR	7.39Y	123.2	0.00	1.78	5.19	2	111	30	97	0.00	0.0	7.523	0.044	0	0	0	28
PL.70346	PL.69973	C	#2 ACSR	7.39Y	123.2	0.00	1.78	15.58	9	111	30	97	0.00	0.0	7.527	0.005	0	0	0	28
PD.10498	PL.70346	C	40T	7.39Y	123.2	0.00	1.78	15.58	0	111	30	97	0.00	0.0	7.527	0.005	0	0	0	28
PL.70347	PD.10498	C	#2 ACSR	7.39Y	123.2	0.02	1.80	15.58	9	111	30	97	0.01	0.0	7.561	0.034	1	0	1	28
PL.69839	PL.70347	C	#2 ACSR	7.39Y	123.2	0.05	1.85	15.45	9	110	29	97	0.04	0.0	7.655	0.094	0	0	1	27

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: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.70196	PL.69839	C	#1/0 ACSR	7.39Y	123.1	0.01	1.86	15.45	7	110	29	97	0.01	0.0	7.691	0.036	5	1	1	26
PL.70197	PL.70196	C	#1/0 ACSR	7.39Y	123.1	0.04	1.89	14.72	6	105	28	97	0.02	0.0	7.796	0.105	0	0	0	25
PL.70194	PL.70197	C	#1/0 ACSR	7.38Y	123.1	0.03	1.93	14.72	6	105	28	97	0.02	0.0	7.893	0.097	3	1	1	25
PL.70195	PL.70194	C	#1/0 ACSR	7.38Y	123.1	0.02	1.94	14.27	6	102	27	97	0.01	0.0	7.949	0.056	9	2	2	24
PL.70190	PL.70195	C	#1/0 ACSR	7.38Y	123.0	0.03	1.97	12.98	6	93	25	97	0.02	0.0	8.035	0.086	4	1	1	22
PL.70191	PL.70190	C	#1/0 ACSR	7.38Y	123.0	0.03	2.00	12.42	5	89	24	97	0.02	0.0	8.155	0.119	0	0	0	21
PL.70035	PL.70191	C	#1/0 ACSR	7.38Y	123.0	0.04	2.04	12.42	5	89	23	97	0.02	0.0	8.285	0.130	0	0	0	21
PL.70036	PL.70035	C	#1/0 ACSR	7.38Y	122.9	0.03	2.07	12.42	5	89	23	97	0.02	0.0	8.405	0.120	0	0	0	21
PL.69840	PL.70036	C	#1/0 ACSR	7.37Y	122.9	0.04	2.11	12.42	5	89	23	97	0.02	0.0	8.539	0.134	0	0	0	21
PL.69841	PL.69840	C	#1/0 ACSR	7.37Y	122.9	0.02	2.13	12.42	5	89	23	97	0.01	0.0	8.602	0.062	0	0	0	21
PL.69842	PL.69841	C	#1/0 ACSR	7.37Y	122.9	0.01	2.15	10.14	4	72	19	97	0.01	0.0	8.664	0.062	0	0	0	15
PL.69975	PL.69842	C	#1/0 ACSR	7.37Y	122.9	0.00	2.15	10.14	4	72	19	97	0.00	0.0	8.683	0.018	6	2	1	15
PL.69845	PL.69975	C	#4 ACSR	7.37Y	122.8	0.00	2.15	9.34	7	67	18	97	0.00	0.0	8.687	0.005	0	0	0	14
PD.10534	PL.69845	C	40T	7.37Y	122.8	0.00	2.15	9.34	0	67	18	97	0.00	0.0	8.687	0.005	0	0	0	14
PL.69846	PD.10534	C	#4 ACSR	7.37Y	122.8	0.01	2.17	8.71	7	62	16	97	0.01	0.0	8.727	0.040	8	2	1	13
PL.69847	PL.69846	C	#4 ACSR	7.37Y	122.8	0.03	2.20	7.59	6	54	14	97	0.01	0.0	8.815	0.088	0	0	0	12
PL.69873	PL.69847	C	#4 ACSR	7.37Y	122.8	0.00	2.20	2.63	2	19	5	97	0.00	0.0	8.859	0.045	5	1	1	4
PL.69875	PL.69873	C	#4 ACSR	7.37Y	122.8	0.00	2.20	1.03	1	7	2	96	0.00	0.0	8.933	0.073	7	2	1	1
PL.69874	PL.69873	C	#2 ACSR	7.37Y	122.8	0.00	2.20	0.84	0	6	2	95	0.00	0.0	8.976	0.117	0	0	0	2
PL.69876	PL.69874	C	#2 ACSR	7.37Y	122.8	0.00	2.20	0.03	0	0	0	100	0.00	0.0	9.082	0.105	0	0	1	1
PL.69877	PL.69874	C	#2 ACSR	7.37Y	122.8	0.00	2.20	0.81	0	6	2	95	0.00	0.0	9.023	0.047	6	2	1	1
PL.70174	PL.69847	C	#4 ACSR	7.37Y	122.8	0.02	2.21	4.96	4	35	9	97	0.00	0.0	8.895	0.080	7	2	1	8
PL.70175	PL.70174	C	#4 ACSR	7.37Y	122.8	0.01	2.22	3.95	3	28	7	97	0.00	0.0	8.930	0.036	7	2	3	7
PL.70184	PL.70175	C	#4 ACSR	7.37Y	122.8	0.00	2.22	2.97	2	21	6	96	0.00	0.0	8.974	0.044	13	3	2	4
PL.70185	PL.70184	C	#4 ACSR	7.37Y	122.8	0.00	2.22	1.19	1	8	2	97	0.00	0.0	9.018	0.044	0	0	0	2
PL.70186	PL.70185	C	#1/0 ACSR	7.37Y	122.8	0.00	2.22	1.19	1	8	2	97	0.00	0.0	9.061	0.043	0	0	1	2
PL.70187	PL.70186	C	#1/0 ACSR	7.37Y	122.8	0.00	2.22	1.19	1	8	2	97	0.00	0.0	9.105	0.044	8	2	1	1
PL.69976	PD.10534	C	#4 ACSR	7.37Y	122.8	0.00	2.15	0.63	0	4	1	97	0.00	0.0	8.732	0.045	4	1	1	1
PL.69844	PL.69841	C	#2 ACSR	7.37Y	122.9	0.00	2.13	2.28	1	16	4	97	0.00	0.0	8.606	0.005	0	0	0	6
PD.10492	PL.69844	C	40T	7.37Y	122.9	0.00	2.13	2.28	0	16	4	97	0.00	0.0	8.606	0.005	0	0	0	6
PL.69843	PD.10492	C	#4 ACSR	7.37Y	122.9	0.00	2.13	1.33	1	9	3	95	0.00	0.0	8.639	0.032	0	0	0	5

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Balanced Voltage Drop Report
Source: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.69872	PL.69843	C	#4 ACSR	7.37Y	122.9	0.00	2.13	0.48	0	3	1	95	0.00	0.0	8.673	0.034	3	1	1	1
PL.69871	PL.69843	C	#1/0 ACSR	7.37Y	122.9	0.00	2.13	0.85	0	6	2	95	0.00	0.0	8.687	0.048	2	0	1	4
PL.69870	PL.69871	C	#1/0 ACSR	7.37Y	122.9	0.00	2.13	0.59	0	4	1	97	0.00	0.0	8.773	0.086	4	1	3	3
PL.70045	PL.69870	C	#4 ACSR	7.37Y	122.9	0.00	2.13	0.00	0	0	0	100	0.00	0.0	8.777	0.004	0	0	0	0
PD.10542-A	PL.70045	C	Open	7.37Y	122.9	0.00	2.13	0.00	0	0	0	100	0.00	0.0	8.777	0.004	0	0	0	0
PL.69974	PD.10492	C	#2 ACSR	7.37Y	122.9	0.00	2.13	0.94	1	7	2	96	0.00	0.0	8.665	0.058	7	2	1	1
PL.70342	PL.70199	A	#2 ACSR	7.39Y	123.2	0.01	1.78	45.50	26	325	88	97	0.02	0.0	7.483	0.005	0	0	0	68
PD.10496	PL.70342	A	40T	7.39Y	123.2	0.00	1.78	45.50	0	325	88	97	0.00	0.0	7.483	0.005	0	0	0	68
PL.70343	PD.10496	A	#2 ACSR	7.39Y	123.2	0.02	1.81	45.50	26	325	88	97	0.05	0.0	7.499	0.015	0	0	0	68
PL.70200	PL.70343	A	#1/0 ACSR	7.39Y	123.1	0.08	1.89	44.20	19	315	85	97	0.17	0.1	7.582	0.084	7	2	1	67
PL.70201	PL.70200	A	#1/0 ACSR	7.38Y	123.0	0.08	1.97	43.24	19	308	83	97	0.16	0.1	7.662	0.080	1	0	2	66
PL.70202	PL.70201	A	#1/0 ACSR	7.38Y	123.0	0.08	2.04	43.12	19	307	83	97	0.15	0.0	7.738	0.076	0	0	1	64
PL.69850	PL.70202	A	#1/0 ACSR	7.37Y	122.9	0.07	2.12	43.08	19	307	82	97	0.15	0.0	7.814	0.076	16	4	2	63
PL.69851	PL.69850	A	#1/0 ACSR	7.37Y	122.9	0.02	2.14	7.07	3	50	13	97	0.01	0.0	7.932	0.118	0	0	0	11
PL.69979	PL.69851	A	#1/0 ACSR	7.37Y	122.8	0.02	2.16	5.06	2	36	10	96	0.00	0.0	8.097	0.165	0	0	0	9
PL.70040	PL.69979	A	#1/0 ACSR	7.37Y	122.8	0.02	2.17	5.06	2	36	10	96	0.00	0.0	8.234	0.137	0	0	0	9
PL.70041	PL.70040	A	#1/0 ACSR	7.37Y	122.8	0.01	2.18	5.06	2	36	10	96	0.00	0.0	8.290	0.057	0	0	0	9
PL.70356	PL.70041	A	#2 ACSR	7.37Y	122.8	0.00	2.18	0.95	1	7	2	96	0.00	0.0	8.295	0.005	0	0	0	1
PD.10504	PL.70356	A	40T	7.37Y	122.8	0.00	2.18	0.95	0	7	2	96	0.00	0.0	8.295	0.005	0	0	0	1
PL.70357	PD.10504	A	#2 ACSR	7.37Y	122.8	0.00	2.18	0.95	1	7	2	96	0.00	0.0	8.316	0.021	7	2	1	1
PL.70215	PL.70041	A	#1/0 ACSR	7.37Y	122.8	0.01	2.19	4.11	2	29	8	96	0.00	0.0	8.358	0.067	5	1	1	8
PL.70216	PL.70215	A	#1/0 ACSR	7.37Y	122.8	0.01	2.19	3.37	1	24	6	97	0.00	0.0	8.452	0.094	6	2	1	7
PL.69907	PL.70216	A	#1/0 ACSR	7.37Y	122.8	0.00	2.19	2.54	1	18	5	96	0.00	0.0	8.516	0.064	7	2	2	6
PL.69981	PL.69907	A	#1/0 ACSR	7.37Y	122.8	0.00	2.20	1.49	1	11	3	96	0.00	0.0	8.621	0.105	3	1	2	4
PL.70358	PL.69981	A	#4 ACSR	7.37Y	122.8	0.00	2.20	1.12	1	8	2	97	0.00	0.0	8.625	0.004	0	0	0	2
PD.10505	PL.70358	A	25T	7.37Y	122.8	0.00	2.20	1.12	0	8	2	97	0.00	0.0	8.625	0.004	0	0	0	2
PL.70359	PD.10505	A	#4 ACSR	7.37Y	122.8	0.00	2.20	1.12	1	8	2	97	0.00	0.0	8.690	0.065	0	0	0	2
PL.69908	PL.70359	A	#1/0 ACSR	7.37Y	122.8	0.00	2.20	0.00	0	0	0	100	0.00	0.0	8.735	0.045	0	0	0	0
PL.69982	PL.70359	A	#4 ACSR	7.37Y	122.8	0.00	2.21	1.12	1	8	2	97	0.00	0.0	8.845	0.155	8	2	2	2
PL.69906	PL.69851	A	#2 ACSR	7.37Y	122.9	0.00	2.14	2.01	1	14	4	96	0.00	0.0	7.936	0.005	0	0	0	2
PD.10503	PL.69906	A	20T	7.37Y	122.9	0.00	2.14	2.01	0	14	4	96	0.00	0.0	7.936	0.005	0	0	0	2

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Balanced Voltage Drop Report
Source: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.69980	PD.10503	A	#2 ACSR	7.37Y	122.9	0.00	2.14	0.78	0	6	1	99	0.00	0.0	8.052	0.115	0	0	0	1
PL.70038	PL.69980	A	#2 ACSR	7.37Y	122.9	0.00	2.14	0.78	0	6	1	99	0.00	0.0	8.181	0.130	0	0	0	1
PL.70039	PL.70038	A	#2 ACSR	7.37Y	122.9	0.00	2.15	0.78	0	6	1	99	0.00	0.0	8.287	0.105	6	1	1	1
PL.69905	PD.10503	A	#1/0 ACSR	7.37Y	122.9	0.00	2.14	1.24	1	9	2	98	0.00	0.0	7.986	0.050	9	2	1	1
PL.70398	PL.69850	A	#1/0 ACSR	7.37Y	122.9	0.00	2.12	33.75	15	240	65	97	0.01	0.0	7.819	0.005	0	0	0	50
PD.10526	PL.70398	A	40T	7.37Y	122.9	0.00	2.12	33.75	0	240	65	97	0.00	0.0	7.819	0.005	0	0	0	50
PL.70399	PD.10526	A	#1/0 ACSR	7.37Y	122.8	0.03	2.16	33.75	15	240	65	97	0.05	0.0	7.861	0.042	0	0	0	50
PL.70348	PL.70399	A	#1/0 ACSR	7.37Y	122.8	0.00	2.16	0.90	0	6	2	95	0.00	0.0	7.866	0.005	0	0	0	1
PD.10499	PL.70348	A	25T	7.37Y	122.8	0.00	2.16	0.90	0	6	2	95	0.00	0.0	7.866	0.005	0	0	0	1
PL.70349	PD.10499	A	#1/0 ACSR	7.37Y	122.8	0.00	2.16	0.90	0	6	2	95	0.00	0.0	7.936	0.071	6	2	1	1
PL.70213	PL.70399	A	#1/0 ACSR	7.37Y	122.8	0.08	2.24	32.86	14	234	63	97	0.12	0.1	7.971	0.110	8	2	1	49
PL.70214	PL.70213	A	#1/0 ACSR	7.36Y	122.7	0.03	2.27	31.68	14	225	61	97	0.04	0.0	8.010	0.039	0	0	0	48
PL.70428	PL.70214	A	#1/0 ACSR	7.36Y	122.7	0.00	2.27	31.68	14	225	61	97	0.00	0.0	8.014	0.005	0	0	0	48
PD.10545-A	PL.70428	A	Closed	7.36Y	122.7	0.00	2.27	31.68	0	225	61	97	0.00	0.0	8.014	0.005	0	0	0	48
PD.10545-B	PD.10545-A	A	Closed	7.36Y	122.7	0.00	2.27	31.68	0	225	61	97	0.00	0.0	8.014	0.005	0	0	0	48
PL.70429	PD.10545-B	A	#1/0 ACSR	7.36Y	122.7	0.07	2.34	31.68	14	225	61	97	0.10	0.0	8.113	0.099	9	2	2	48
PL.70354	PL.70429	A	#1/0 ACSR	7.36Y	122.7	0.00	2.34	0.00	0	0	0	100	0.00	0.0	8.118	0.005	0	0	0	0
PD.10502	PL.70354	A	25T	7.36Y	122.7	0.00	2.34	0.00	0	0	0	100	0.00	0.0	8.118	0.005	0	0	0	0
PL.70355	PD.10502	A	#1/0 ACSR	7.36Y	122.7	0.00	2.34	0.00	0	0	0	100	0.00	0.0	8.224	0.106	0	0	0	0
PL.69983	PL.70429	A	#1/0 ACSR	7.35Y	122.6	0.11	2.45	30.37	13	216	58	97	0.15	0.1	8.267	0.154	0	0	0	46
PL.69852	PL.69983	A	#1/0 ACSR	7.35Y	122.5	0.04	2.48	30.37	13	216	58	97	0.05	0.0	8.319	0.052	0	0	1	46
PL.69984	PL.69852	A	#1/0 ACSR	7.35Y	122.4	0.09	2.58	30.08	13	214	57	97	0.13	0.1	8.456	0.137	8	2	2	44
PL.69853	PL.69984	A	#4 ACSR	7.35Y	122.4	0.00	2.58	0.01	0	0	0	100	0.00	0.0	8.510	0.054	0	0	1	1
PL.69854	PL.69984	A	#4 ACSR	7.34Y	122.3	0.09	2.66	28.96	22	206	55	97	0.13	0.1	8.523	0.067	0	0	0	41
PL.69855	PL.69854	A	#4 ACSR	7.34Y	122.3	0.00	2.66	0.53	0	4	1	97	0.00	0.0	8.572	0.049	4	1	1	1
PL.70350	PL.69854	A	#1/0 ACSR	7.34Y	122.3	0.00	2.67	28.43	12	202	54	97	0.00	0.0	8.528	0.005	0	0	0	40
PD.10500	PL.70350	A	20T	7.34Y	122.3	0.00	2.67	28.43	0	202	54	97	0.00	0.0	8.528	0.005	0	0	0	40
PL.70351	PD.10500	A	#1/0 ACSR	7.34Y	122.3	0.05	2.71	28.43	12	202	54	97	0.06	0.0	8.597	0.069	0	0	0	40
PL.70424	PL.70351	A	#4 ACSR	7.34Y	122.3	0.01	2.72	28.43	22	202	54	97	0.01	0.0	8.602	0.005	0	0	0	40
PD.10543-A	PL.70424	A	Closed	7.34Y	122.3	0.00	2.72	28.43	0	202	54	97	0.00	0.0	8.602	0.005	0	0	0	40
PD.10543-B	PD.10543-A	A	Closed	7.34Y	122.3	0.00	2.72	28.43	0	202	54	97	0.00	0.0	8.602	0.005	0	0	0	40

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Balanced Voltage Drop Report
Source: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.70425	PD.10543-B	A	#4 ACSR	7.32Y	122.1	0.20	2.92	28.43	22	202	54	97	0.31	0.2	8.769	0.167	13	3	2	40
PL.69856	PL.70425	A	#4 ACSR	7.32Y	122.1	0.03	2.95	26.67	21	189	50	97	0.04	0.0	8.790	0.022	0	0	0	38
PL.69985	PL.69856	A	#4 ACSR	7.32Y	122.0	0.06	3.01	26.05	20	184	49	97	0.08	0.0	8.843	0.053	7	2	1	37
PL.69859	PL.69985	A	#4 ACSR	7.32Y	121.9	0.05	3.06	23.94	18	169	45	97	0.07	0.0	8.894	0.051	0	0	0	35
PL.69861	PL.69859	A	#1/0 ACSR	7.32Y	121.9	0.00	3.06	1.07	0	8	2	97	0.00	0.0	8.942	0.048	5	1	1	2
PL.69986	PL.69861	A	#1/0 ACSR	7.32Y	121.9	0.00	3.06	0.30	0	2	1	89	0.00	0.0	9.007	0.065	2	1	1	1
PL.69860	PL.69859	A	#4 ACSR	7.32Y	121.9	0.01	3.07	22.87	18	162	43	97	0.01	0.0	8.903	0.009	0	0	0	33
PL.70426	PL.69860	A	#1/0 ACSR	7.31Y	121.9	0.02	3.09	22.87	10	162	43	97	0.02	0.0	8.933	0.030	0	0	0	33
PD.10544-A	PL.70426	A	Closed	7.31Y	121.9	0.00	3.09	22.87	0	162	43	97	0.00	0.0	8.933	0.030	0	0	0	33
PD.10544-B	PD.10544-A	A	Closed	7.31Y	121.9	0.00	3.09	22.87	0	162	43	97	0.00	0.0	8.933	0.030	0	0	0	33
PL.70427	PD.10544-B	A	#1/0 ACSR	7.31Y	121.9	0.04	3.13	22.87	10	162	43	97	0.04	0.0	9.012	0.079	4	1	1	33
PL.69862	PL.70427	A	#4 ACSR	7.31Y	121.9	0.00	3.13	1.14	1	8	2	97	0.00	0.0	9.166	0.154	8	2	3	3
PL.69863	PL.70427	A	6 A (CWC)	7.31Y	121.8	0.06	3.19	21.19	15	150	40	97	0.07	0.0	9.076	0.064	6	2	1	29
PL.70352	PL.69863	A	#1/0 ACSR	7.31Y	121.8	0.00	3.19	1.27	1	9	2	98	0.00	0.0	9.081	0.005	0	0	0	2
PD.10501	PL.70352	A	10T	7.31Y	121.8	0.00	3.19	1.27	0	9	2	98	0.00	0.0	9.081	0.005	0	0	0	2
PL.70353	PD.10501	A	#1/0 ACSR	7.31Y	121.8	0.00	3.19	1.27	1	9	2	98	0.00	0.0	9.137	0.056	0	0	1	2
PL.69864	PL.70353	A	#1/0 ACSR	7.31Y	121.8	0.00	3.19	1.27	1	9	2	98	0.00	0.0	9.271	0.134	9	2	1	1
PL.69987	PL.69863	A	6 A (CWC)	7.31Y	121.8	0.05	3.24	19.09	14	135	36	97	0.05	0.0	9.134	0.058	2	1	1	26
PL.69865	PL.69987	A	6 A (CWC)	7.30Y	121.7	0.05	3.28	18.81	13	133	35	97	0.05	0.0	9.189	0.055	8	2	1	25
PL.70207	PL.69865	A	6 A (CWC)	7.30Y	121.7	0.03	3.32	17.69	13	125	33	97	0.03	0.0	9.231	0.042	9	2	1	24
PL.70208	PL.70207	A	6 A (CWC)	7.30Y	121.6	0.05	3.36	16.40	12	116	31	97	0.04	0.0	9.297	0.066	9	2	2	23
PL.70209	PL.70208	A	6 A (CWC)	7.30Y	121.6	0.04	3.40	15.08	11	106	28	97	0.03	0.0	9.353	0.056	9	2	2	21
PL.70210	PL.70209	A	6 A (CWC)	7.29Y	121.5	0.08	3.49	13.81	10	97	26	97	0.06	0.1	9.486	0.133	0	0	0	19
PL.70042	PL.70210	A	6 A (CWC)	7.28Y	121.4	0.12	3.60	13.81	10	97	26	97	0.09	0.1	9.670	0.184	0	0	0	19
PL.69275	PL.70042	A	6 A (CWC)	7.28Y	121.3	0.09	3.69	13.81	10	97	26	97	0.06	0.1	9.805	0.135	0	0	0	19
PL.69988	PL.69275	A	6 A (CWC)	7.28Y	121.3	0.05	3.73	12.47	9	88	23	97	0.03	0.0	9.885	0.080	0	0	0	18
PL.70211	PL.69988	A	6 A (CWC)	7.27Y	121.2	0.03	3.76	12.47	9	88	23	97	0.02	0.0	9.937	0.052	3	1	2	18
PL.70212	PL.70211	A	6 A (CWC)	7.27Y	121.2	0.06	3.82	12.00	9	84	22	97	0.04	0.0	10.051	0.114	8	2	1	16
PL.70206	PL.70212	A	6 A (CWC)	7.27Y	121.1	0.04	3.86	10.86	8	76	20	97	0.02	0.0	10.131	0.079	0	0	0	15
PL.69277	PL.70206	A	6 A (CWC)	7.27Y	121.1	0.04	3.90	10.86	8	76	20	97	0.02	0.0	10.209	0.078	0	0	0	15
PL.69278	PL.69277	A	6 A (CWC)	7.27Y	121.1	0.00	3.90	0.81	1	6	1	99	0.00	0.0	10.237	0.028	6	1	1	1

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Balanced Voltage Drop Report
Source: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.69989	PL.69277	A	6 A (CWC)	7.26Y	121.1	0.04	3.94	10.06	7	71	19	97	0.02	0.0	10.297	0.088	6	2	1	14
PL.69279	PL.69989	A	6 A (CWC)	7.26Y	121.0	0.06	4.00	8.43	6	59	16	97	0.03	0.0	10.463	0.166	0	0	0	12
PL.69283	PL.69279	A	6 A (CWC)	7.26Y	121.0	0.00	4.00	0.05	0	0	0	100	0.00	0.0	10.529	0.066	0	0	3	3
PL.69282	PL.69279	A	#4 ACSR	7.26Y	120.9	0.06	4.06	8.38	6	59	16	97	0.03	0.0	10.626	0.163	0	0	0	9
PL.70043	PL.69282	A	#4 ACSR	7.25Y	120.9	0.04	4.10	8.38	6	59	16	97	0.02	0.0	10.738	0.111	0	0	0	9
PL.69284	PL.70043	A	#4 ACSR	7.25Y	120.9	0.02	4.12	8.38	6	59	16	97	0.01	0.0	10.779	0.041	0	0	0	9
PL.69990	PL.69284	A	#4 ACSR	7.25Y	120.9	0.03	4.15	7.42	6	52	14	97	0.01	0.0	10.874	0.095	0	0	0	8
PL.69286	PL.69990	A	#4 ACSR	7.25Y	120.8	0.02	4.17	7.42	6	52	14	97	0.01	0.0	10.934	0.060	6	2	1	8
PL.70178	PL.69286	A	#4 ACSR	7.25Y	120.8	0.01	4.18	5.48	4	38	10	97	0.00	0.0	10.978	0.045	9	2	1	5
PL.70179	PL.70178	A	#4 ACSR	7.25Y	120.8	0.01	4.19	4.25	3	30	8	97	0.00	0.0	11.031	0.052	0	0	0	4
PL.69868	PL.70179	A	#4 ACSR	7.25Y	120.8	0.01	4.20	4.25	3	30	8	97	0.00	0.0	11.098	0.068	9	2	1	4
PL.70176	PL.69868	A	#4 ACSR	7.25Y	120.8	0.00	4.20	2.00	2	14	4	96	0.00	0.0	11.145	0.047	14	4	2	2
PL.70177	PL.70176	A	#4 ACSR	7.25Y	120.8	0.00	4.20	0.00	0	0	0	100	0.00	0.0	11.184	0.039	0	0	0	0
PD.10542-B	PL.70177	A	Open	7.25Y	120.8	0.00	4.20	0.00	0	0	0	100	0.00	0.0	11.184	0.039	0	0	0	0
PL.69869	PL.69868	A	#1/0 ACSR	7.25Y	120.8	0.00	4.20	1.02	0	7	2	96	0.00	0.0	11.160	0.061	7	2	1	1
PL.69866	PL.69286	A	#4 ACSR	7.25Y	120.8	0.00	4.17	1.05	1	7	2	96	0.00	0.0	10.966	0.032	7	2	2	2
PL.69867	PL.69866	A	#2 ACSR	7.25Y	120.8	0.00	4.17	0.00	0	0	0	100	0.00	0.0	11.031	0.066	0	0	0	0
PL.69285	PL.69284	A	#1/0 ACSR	7.25Y	120.9	0.00	4.12	0.96	0	7	2	96	0.00	0.0	10.833	0.055	7	2	1	1
PL.69281	PL.69989	A	#1/0 ACSR	7.26Y	121.1	0.00	3.94	0.78	0	5	1	98	0.00	0.0	10.334	0.037	5	1	1	1
PL.69280	PL.69989	A	#1/0 ACSR	7.26Y	121.1	0.00	3.94	0.00	0	0	0	100	0.00	0.0	10.437	0.140	0	0	0	0
PL.69276	PL.69275	A	#2 ACSR	7.28Y	121.3	0.00	3.69	1.33	1	9	2	98	0.00	0.0	9.896	0.091	9	2	1	1
PL.69274	PL.70042	A	#4 ACSR	7.28Y	121.4	0.00	3.60	0.00	0	0	0	100	0.00	0.0	9.746	0.076	0	0	0	0
PL.69858	PL.69985	A	#1/0 ACSR	7.32Y	122.0	0.00	3.01	1.10	0	8	2	97	0.00	0.0	8.887	0.044	8	2	1	1
PL.69857	PL.69856	A	#1/0 ACSR	7.32Y	122.1	0.00	2.95	0.62	0	4	1	97	0.00	0.0	8.818	0.028	4	1	1	1
PL.70414	PL.69852	A	#1/0 ACSR	7.35Y	122.5	0.00	2.48	0.26	0	2	0	100	0.00	0.0	8.323	0.005	0	0	0	1
PD.10536	PL.70414	A	40T	7.35Y	122.5	0.00	2.48	0.26	0	2	0	100	0.00	0.0	8.323	0.005	0	0	0	1
PL.70415	PD.10536	A	#1/0 ACSR	7.35Y	122.5	0.00	2.48	0.26	0	2	0	100	0.00	0.0	8.366	0.043	2	0	1	1
PL.70344	PL.70343	A	6 A (CWC)	7.39Y	123.2	0.00	1.81	1.30	1	9	2	98	0.00	0.0	7.503	0.005	0	0	0	1
PD.10497	PL.70344	A	25T	7.39Y	123.2	0.00	1.81	1.30	0	9	2	98	0.00	0.0	7.503	0.005	0	0	0	1
PL.70345	PD.10497	A	6 A (CWC)	7.39Y	123.2	0.01	1.81	1.30	1	9	2	98	0.00	0.0	7.596	0.092	0	0	0	1
PL.70037	PL.70345	A	6 A (CWC)	7.39Y	123.2	0.01	1.82	1.30	1	9	2	98	0.00	0.0	7.697	0.102	0	0	0	1

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.69838	PL.70037	A	#4 ACSR	7.39Y	123.2	0.00	1.82	1.30	1	9	2	98	0.00	0.0	7.754	0.057	9	2	1	1
PL.70394	PL.70031	B	#4 ACSR	7.41Y	123.4	0.00	1.58	0.31	0	2	1	89	0.00	0.0	6.959	0.005	0	0	0	1
PD.10524	PL.70394	B	40T	7.41Y	123.4	0.00	1.58	0.31	0	2	1	89	0.00	0.0	6.959	0.005	0	0	0	1
PL.70395	PD.10524	B	#4 ACSR	7.41Y	123.4	0.00	1.58	0.31	0	2	1	89	0.00	0.0	7.025	0.065	2	1	1	1
PL.70396	PL.70031	B	#4 ACSR	7.41Y	123.4	0.00	1.58	1.77	1	13	3	97	0.00	0.0	6.960	0.005	0	0	0	2
PD.10525	PL.70396	B	40T	7.41Y	123.4	0.00	1.58	1.77	0	13	3	97	0.00	0.0	6.960	0.005	0	0	0	2
PL.70397	PD.10525	B	#4 ACSR	7.41Y	123.4	0.00	1.58	1.77	1	13	3	97	0.00	0.0	6.986	0.027	7	2	1	2
PL.70203	PL.70397	B	#4 ACSR	7.41Y	123.4	0.00	1.58	0.84	1	6	2	95	0.00	0.0	7.052	0.065	0	0	0	1
PL.69835	PL.70203	B	#4 ACSR	7.40Y	123.4	0.00	1.58	0.84	1	6	2	95	0.00	0.0	7.086	0.034	0	0	0	1
PL.69837	PL.69835	B	#4 ACSR	7.40Y	123.4	0.00	1.58	0.84	1	6	2	95	0.00	0.0	7.104	0.018	6	2	1	1
PL.70284	PL.69818	C	#2 ACSR	7.44Y	124.0	0.00	1.04	0.60	0	4	1	97	0.00	0.0	5.721	0.004	0	0	0	1
PD.10467	PL.70284	C	40T	7.44Y	124.0	0.00	1.04	0.60	0	4	1	97	0.00	0.0	5.721	0.004	0	0	0	1
PL.70285	PD.10467	C	#2 ACSR	7.44Y	124.0	0.00	1.04	0.60	0	4	1	97	0.00	0.0	5.755	0.033	4	1	1	1
PL.70388	PL.70443	C	#4 ACSR	7.45Y	124.1	0.00	0.85	1.48	1	11	3	96	0.00	0.0	5.281	0.005	0	0	0	1
PD.10521	PL.70388	C	30T	7.45Y	124.1	0.00	0.85	1.48	0	11	3	96	0.00	0.0	5.281	0.005	0	0	0	1
PL.70389	PD.10521	C	#4 ACSR	7.45Y	124.1	0.00	0.85	1.48	1	11	3	96	0.00	0.0	5.330	0.049	11	3	1	1
CP.108	PL.70442	ABC	Cap (450)	7.45Y	124.2	0.00	0.81	0.00	0	0	0	100	0.00	0.0	5.167	0.049	0	0	0	0
PL.69812	PL.70054	A	#4 ACSR	7.46Y	124.3	0.00	0.71	1.10	1	8	2	97	0.00	0.0	4.870	0.005	0	0	0	3
PD.10530	PL.69812	A	25T	7.46Y	124.3	0.00	0.71	1.10	0	8	2	97	0.00	0.0	4.870	0.005	0	0	0	3
PL.69813	PD.10530	A	#4 ACSR	7.46Y	124.3	0.00	0.71	0.57	0	4	1	97	0.00	0.0	4.907	0.037	4	1	1	1
PL.69966	PD.10530	A	#4 ACSR	7.46Y	124.3	0.00	0.71	0.53	0	4	1	97	0.00	0.0	4.970	0.100	4	1	2	2
PL.70274	PL.69950	C	#4 ACSR	7.46Y	124.4	0.00	0.63	0.93	1	7	2	96	0.00	0.0	4.640	0.005	0	0	0	1
PD.10462	PL.70274	C	25T	7.46Y	124.4	0.00	0.63	0.93	0	7	2	96	0.00	0.0	4.640	0.005	0	0	0	1
PL.70275	PD.10462	C	#4 ACSR	7.46Y	124.4	0.00	0.63	0.93	1	7	2	96	0.00	0.0	4.751	0.111	7	2	1	1
PL.69748	PL.69747	ABC	#1/0 ACSR	7.46Y	124.4	0.03	0.64	30.24	13	646	204	95	0.11	0.0	4.649	0.047	0	0	0	137
PL.69952	PL.69748	ABC	#1/0 ACSR	7.46Y	124.3	0.03	0.67	26.39	11	566	167	96	0.11	0.0	4.706	0.057	0	0	0	133
PL.69751	PL.69952	ABC	#1/0 ACSR	7.46Y	124.3	0.03	0.70	25.82	11	554	164	96	0.10	0.0	4.761	0.054	0	0	0	131
PL.70438	PL.69751	ABC	#1/0 ACSR	7.46Y	124.3	0.00	0.70	25.82	11	554	164	96	0.00	0.0	4.763	0.003	0	0	0	131
PD.10550	PL.70438	ABC	50L	7.46Y	124.3	0.00	0.70	25.82	52	554	164	96	0.00	0.0	4.763	0.003	0	0	0	131
PL.70439	PD.10550	ABC	#1/0 ACSR	7.46Y	124.3	0.02	0.71	25.82	11	554	164	96	0.06	0.0	4.800	0.036	0	0	0	131
PL.69752	PL.70439	ABC	#1/0 ACSR	7.46Y	124.3	0.02	0.74	25.82	11	554	164	96	0.09	0.0	4.852	0.052	0	0	0	131

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: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.69753	PL.69752	ABC	#1/0 ACSR	7.45Y	124.2	0.03	0.77	25.82	11	554	164	96	0.13	0.0	4.925	0.073	5	1	1	131
PL.69754	PL.69753	ABC	#1/0 ACSR	7.45Y	124.2	0.03	0.80	25.59	11	549	162	96	0.12	0.0	4.991	0.067	0	0	0	130
PL.69755	PL.69754	ABC	#1/0 ACSR	7.45Y	124.2	0.02	0.82	25.59	11	549	162	96	0.06	0.0	5.028	0.037	1	0	1	130
PL.69756	PL.69755	ABC	#1/0 ACSR	7.45Y	124.2	0.02	0.84	25.52	11	547	162	96	0.06	0.0	5.062	0.034	0	0	0	129
PL.69757	PL.69756	ABC	#1/0 ACSR	7.45Y	124.1	0.03	0.86	25.52	11	547	162	96	0.10	0.0	5.119	0.057	21	6	2	129
PL.69758	PL.69757	ABC	#1/0 ACSR	7.45Y	124.1	0.03	0.89	24.55	11	526	156	96	0.10	0.0	5.180	0.061	7	2	1	127
PL.69759	PL.69758	ABC	#1/0 ACSR	7.44Y	124.1	0.03	0.92	24.22	11	519	154	96	0.09	0.0	5.241	0.061	0	0	0	126
PL.69760	PL.69759	ABC	#1/0 ACSR	7.44Y	124.0	0.03	0.95	24.22	11	519	154	96	0.12	0.0	5.316	0.075	0	0	0	126
PL.70376	PL.69760	A	6 A (CWC)	7.44Y	124.0	0.00	0.95	0.46	0	3	1	95	0.00	0.0	5.320	0.004	0	0	0	1
PD.10515	PL.70376	A	40T	7.44Y	124.0	0.00	0.95	0.46	0	3	1	95	0.00	0.0	5.320	0.004	0	0	0	1
PL.70377	PD.10515	A	6 A (CWC)	7.44Y	124.0	0.00	0.95	0.46	0	3	1	95	0.00	0.0	5.365	0.045	3	1	1	1
PL.70272	PL.69760	C	6 A (CWC)	7.44Y	124.0	0.00	0.95	1.24	1	9	2	98	0.00	0.0	5.320	0.004	0	0	0	3
PD.10461	PL.70272	C	40T	7.44Y	124.0	0.00	0.95	1.24	0	9	2	98	0.00	0.0	5.320	0.004	0	0	0	3
PL.70273	PD.10461	C	6 A (CWC)	7.44Y	124.0	0.00	0.95	1.24	1	9	2	98	0.00	0.0	5.368	0.048	7	2	2	3
PL.69761	PL.70273	C	#1/0 ACSR	7.44Y	124.0	0.00	0.95	0.28	0	2	1	89	0.00	0.0	5.415	0.046	0	0	0	1
PL.69909	PL.69761	C	#1/0 ACSR	7.44Y	124.0	0.00	0.95	0.28	0	2	1	89	0.00	0.0	5.555	0.140	2	1	1	1
PL.70002	PL.69760	ABC	#1/0 ACSR	7.44Y	124.0	0.03	0.98	23.65	10	506	151	96	0.10	0.0	5.386	0.070	0	0	0	122
PL.70084	PL.70002	ABC	#1/0 ACSR	7.44Y	124.0	0.01	1.00	23.65	10	506	151	96	0.05	0.0	5.420	0.034	5	1	1	122
PL.70085	PL.70084	ABC	#1/0 ACSR	7.44Y	124.0	0.02	1.02	23.42	10	501	149	96	0.07	0.0	5.471	0.050	0	0	0	121
PL.69762	PL.70085	C	#2 ACSR	7.44Y	124.0	0.00	1.02	0.60	0	4	1	97	0.00	0.0	5.492	0.021	4	1	2	2
PL.70082	PL.70085	ABC	#1/0 ACSR	7.44Y	123.9	0.04	1.05	23.22	10	497	148	96	0.13	0.0	5.558	0.087	0	0	1	119
PL.70083	PL.70082	ABC	#1/0 ACSR	7.44Y	123.9	0.02	1.08	23.22	10	496	148	96	0.08	0.0	5.612	0.054	0	0	0	118
PL.69763	PL.70083	ABC	#1/0 ACSR	7.43Y	123.9	0.02	1.10	23.22	10	496	148	96	0.08	0.0	5.666	0.054	0	0	0	118
PL.70266	PL.69763	A	#1/0 ACSR	7.43Y	123.9	0.00	1.10	2.03	1	15	4	97	0.00	0.0	5.671	0.005	0	0	0	2
PD.10458	PL.70266	A	40T	7.43Y	123.9	0.00	1.10	2.03	0	15	4	97	0.00	0.0	5.671	0.005	0	0	0	2
PL.70267	PD.10458	A	#1/0 ACSR	7.43Y	123.9	0.00	1.10	2.03	1	15	4	97	0.00	0.0	5.690	0.020	15	4	2	2
PL.69764	PL.69763	ABC	#1/0 ACSR	7.43Y	123.9	0.02	1.12	22.54	10	482	144	96	0.07	0.0	5.714	0.048	0	0	0	116
PL.69765	PL.69764	ABC	#1/0 ACSR	7.43Y	123.9	0.01	1.13	22.54	10	482	144	96	0.05	0.0	5.749	0.035	0	0	0	116
PL.69766	PL.69765	ABC	#1/0 ACSR	7.43Y	123.8	0.05	1.18	22.54	10	482	144	96	0.15	0.0	5.862	0.114	0	0	0	116
PL.70264	PL.69766	C	6 A (CWC)	7.43Y	123.8	0.00	1.18	4.10	3	29	8	96	0.00	0.0	5.867	0.005	0	0	0	10
PD.10457	PL.70264	C	20T	7.43Y	123.8	0.00	1.18	4.10	0	29	8	96	0.00	0.0	5.867	0.005	0	0	0	10

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.70265	PD.10457	C	6 A (CWC)	7.43Y	123.8	0.01	1.19	4.10	3	29	8	96	0.00	0.0	5.919	0.052	6	2	1	10
PL.69768	PL.70265	C	6 A (CWC)	7.43Y	123.8	0.01	1.20	3.20	2	23	6	97	0.00	0.0	5.985	0.066	8	2	1	9
PL.69769	PL.69768	C	6 A (CWC)	7.43Y	123.8	0.01	1.21	2.05	1	15	4	97	0.00	0.0	6.082	0.097	0	0	0	8
PL.69770	PL.69769	C	6 A (CWC)	7.43Y	123.8	0.02	1.22	2.05	1	15	4	97	0.00	0.0	6.244	0.161	0	0	0	8
PL.68577	PL.69770	C	6 A (CWC)	7.43Y	123.8	0.01	1.23	2.05	1	15	4	97	0.00	0.0	6.375	0.131	0	0	0	8
PL.68578	PL.68577	C	6 A (CWC)	7.43Y	123.8	0.01	1.24	2.05	1	15	4	97	0.00	0.0	6.466	0.091	0	0	0	8
PL.68579	PL.68578	C	6 A (CWC)	7.42Y	123.7	0.01	1.25	2.05	1	15	4	97	0.00	0.0	6.585	0.120	2	0	1	8
PL.68580	PL.68579	C	6 A (CWC)	7.42Y	123.7	0.01	1.26	1.83	1	13	3	97	0.00	0.0	6.686	0.101	0	0	1	7
PL.69771	PL.68580	C	6 A (CWC)	7.42Y	123.7	0.01	1.27	1.82	1	13	3	97	0.00	0.0	6.786	0.100	2	1	1	6
PL.68575	PL.69771	C	6 A (CWC)	7.42Y	123.7	0.00	1.27	0.78	1	6	1	99	0.00	0.0	6.905	0.119	3	1	2	3
PL.68576	PL.68575	C	6 A (CWC)	7.42Y	123.7	0.00	1.27	0.40	0	3	1	95	0.00	0.0	6.962	0.056	3	1	1	1
PL.69945	PL.69771	C	6 A (CWC)	7.42Y	123.7	0.00	1.27	0.76	1	5	1	98	0.00	0.0	6.865	0.079	0	0	0	2
PL.69773	PL.69945	C	#4 ACSR	7.42Y	123.7	0.00	1.27	0.76	1	5	1	98	0.00	0.0	6.933	0.068	5	1	2	2
PL.69774	PL.69773	C	#2 ACSR	7.42Y	123.7	0.00	1.27	0.00	0	0	0	100	0.00	0.0	6.962	0.028	0	0	0	0
PL.69944	PL.69945	C	6 A (CWC)	7.42Y	123.7	0.00	1.27	0.00	0	0	0	100	0.00	0.0	6.938	0.073	0	0	0	0
PL.69772	PL.68580	C	#4 ACSR	7.42Y	123.7	0.00	1.26	0.00	0	0	0	100	0.00	0.0	6.710	0.024	0	0	0	0
PL.69767	PL.69766	ABC	#1/0 ACSR	7.43Y	123.8	0.02	1.20	21.18	9	452	136	96	0.05	0.0	5.903	0.041	0	0	0	106
PL.70050	PL.69767	ABC	#1/0 ACSR	7.42Y	123.7	0.06	1.25	21.18	9	452	136	96	0.17	0.0	6.047	0.144	0	0	0	106
PL.70262	PL.70050	A	#2 ACSR	7.42Y	123.7	0.00	1.25	0.02	0	0	0	100	0.00	0.0	6.051	0.005	0	0	0	1
PD.10456	PL.70262	A	40T	7.42Y	123.7	0.00	1.25	0.02	0	0	0	100	0.00	0.0	6.051	0.005	0	0	0	1
PL.70263	PD.10456	A	#2 ACSR	7.42Y	123.7	0.00	1.25	0.02	0	0	0	100	0.00	0.0	6.072	0.021	0	0	1	1
PL.70051	PL.70050	ABC	#1/0 ACSR	7.42Y	123.7	0.04	1.29	21.17	9	452	136	96	0.12	0.0	6.145	0.098	0	0	0	105
PL.69954	PL.70051	ABC	#1/0 ACSR	7.42Y	123.7	0.04	1.33	21.17	9	452	135	96	0.11	0.0	6.237	0.093	0	0	0	105
PL.69955	PL.69954	ABC	#1/0 ACSR	7.42Y	123.6	0.04	1.37	20.64	9	440	132	96	0.13	0.0	6.351	0.114	0	0	0	102
PL.70380	PL.69955	A	#1/0 ACSR	7.42Y	123.6	0.00	1.37	1.27	1	9	2	98	0.00	0.0	6.356	0.005	0	0	0	2
PD.10517	PL.70380	A	40T	7.42Y	123.6	0.00	1.37	1.27	0	9	2	98	0.00	0.0	6.356	0.005	0	0	0	2
PL.70381	PD.10517	A	#1/0 ACSR	7.42Y	123.6	0.00	1.37	1.27	1	9	2	98	0.00	0.0	6.387	0.031	6	2	1	2
PL.69775	PL.70381	A	#4 ACSR	7.42Y	123.6	0.00	1.37	0.47	0	3	1	95	0.00	0.0	6.475	0.088	3	1	1	1
PL.69956	PL.69955	ABC	#1/0 ACSR	7.41Y	123.6	0.06	1.43	20.22	9	431	130	96	0.18	0.0	6.519	0.168	0	0	0	100
PL.70254	PL.69956	C	#4 ACSR	7.41Y	123.6	0.00	1.43	1.33	1	10	3	96	0.00	0.0	6.524	0.005	0	0	0	5
PD.10451	PL.70254	C	40T	7.41Y	123.6	0.00	1.43	1.33	0	10	3	96	0.00	0.0	6.524	0.005	0	0	0	5

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.70255	PD.10451	C	#4 ACSR	7.41Y	123.6	0.00	1.43	1.33	1	10	3	96	0.00	0.0	6.547	0.024	10	3	5	5
PL.68563	PL.69956	ABC	#1/0 ACSR	7.41Y	123.6	0.01	1.44	19.78	9	421	127	96	0.04	0.0	6.553	0.034	0	0	1	95
PL.68564	PL.68563	ABC	#1/0 ACSR	7.41Y	123.5	0.01	1.46	19.77	9	421	127	96	0.04	0.0	6.590	0.037	1	0	1	94
PL.70256	PL.68564	A	#1/0 ACSR	7.41Y	123.5	0.00	1.46	5.54	2	40	11	96	0.00	0.0	6.595	0.005	0	0	0	11
PD.10452	PL.70256	A	40T	7.41Y	123.5	0.00	1.46	5.54	0	40	11	96	0.00	0.0	6.595	0.005	0	0	0	11
PL.70257	PD.10452	A	#1/0 ACSR	7.41Y	123.5	0.01	1.47	5.54	2	40	11	96	0.00	0.0	6.700	0.105	0	0	0	11
PL.68556	PL.70257	A	#1/0 ACSR	7.41Y	123.5	0.00	1.47	3.88	2	28	7	97	0.00	0.0	6.757	0.057	2	1	2	9
PL.68557	PL.68556	A	#1/0 ACSR	7.41Y	123.5	0.00	1.48	3.59	2	26	7	97	0.00	0.0	6.806	0.049	0	0	0	7
PL.69777	PL.68557	A	6 A (CWC)	7.41Y	123.5	0.02	1.50	2.49	2	18	5	96	0.00	0.0	6.971	0.164	0	0	2	6
PL.69778	PL.69777	A	6 A (CWC)	7.41Y	123.5	0.02	1.51	2.49	2	18	5	96	0.00	0.0	7.125	0.154	0	0	0	4
PL.70014	PL.69778	A	6 A (CWC)	7.41Y	123.5	0.02	1.53	2.49	2	18	5	96	0.00	0.0	7.272	0.147	0	0	0	4
PL.70015	PL.70014	A	6 A (CWC)	7.41Y	123.5	0.01	1.54	2.49	2	18	5	96	0.00	0.0	7.379	0.107	0	0	0	4
PL.70046	PL.70015	A	6 A (CWC)	7.41Y	123.4	0.01	1.56	2.49	2	18	5	96	0.00	0.0	7.504	0.126	0	0	0	4
PL.69779	PL.70046	A	6 A (CWC)	7.41Y	123.4	0.00	1.56	1.24	1	9	2	98	0.00	0.0	7.583	0.079	0	0	0	2
PL.70016	PL.69779	A	6 A (CWC)	7.41Y	123.4	0.00	1.57	1.24	1	9	2	98	0.00	0.0	7.712	0.129	7	2	1	2
PL.69780	PL.70016	A	6 A (CWC)	7.41Y	123.4	0.00	1.57	0.33	0	2	1	89	0.00	0.0	7.852	0.139	0	0	0	1
PL.70017	PL.69780	A	6 A (CWC)	7.41Y	123.4	0.00	1.57	0.33	0	2	1	89	0.00	0.0	7.937	0.086	2	1	1	1
PL.70070	PL.70046	A	#4 ACSR	7.41Y	123.4	0.00	1.56	1.25	1	9	2	98	0.00	0.0	7.591	0.087	0	0	1	2
PL.68555	PL.70070	A	#4 ACSR	7.41Y	123.4	0.00	1.56	1.21	1	9	2	98	0.00	0.0	7.650	0.059	9	2	1	1
PL.69776	PL.68557	A	#1/0 ACSR	7.41Y	123.5	0.00	1.48	1.10	0	8	2	97	0.00	0.0	6.856	0.050	8	2	1	1
PL.68558	PL.70257	A	#1/0 ACSR	7.41Y	123.5	0.00	1.47	1.66	1	12	3	97	0.00	0.0	6.739	0.040	9	2	1	2
PL.68559	PL.68558	A	#1/0 ACSR	7.41Y	123.5	0.00	1.47	0.35	0	3	1	95	0.00	0.0	6.758	0.019	3	1	1	1
PL.68561	PL.68564	ABC	#1/0 ACSR	7.41Y	123.5	0.02	1.47	17.66	8	376	115	96	0.05	0.0	6.645	0.055	4	1	1	81
PL.68562	PL.68561	ABC	#1/0 ACSR	7.41Y	123.5	0.05	1.52	17.45	8	371	114	96	0.13	0.0	6.804	0.160	0	0	0	80
PL.69957	PL.68562	ABC	#1/0 ACSR	7.41Y	123.5	0.02	1.54	16.98	7	361	111	96	0.04	0.0	6.855	0.050	0	0	0	77
PL.69782	PL.69957	ABC	#1/0 ACSR	7.41Y	123.4	0.02	1.56	16.98	7	361	111	96	0.05	0.0	6.920	0.066	1	0	1	77
PL.69958	PL.69782	ABC	#1/0 ACSR	7.41Y	123.4	0.01	1.57	6.48	3	139	37	97	0.01	0.0	7.021	0.101	0	0	0	30
PL.70246	PL.69958	ABC	#1/0 ACSR	7.40Y	123.4	0.02	1.59	6.48	3	139	37	97	0.02	0.0	7.183	0.162	0	0	0	30
PL.70247	PL.70246	ABC	#1/0 ACSR	7.40Y	123.4	0.00	1.59	6.48	3	139	37	97	0.00	0.0	7.187	0.004	17	4	5	30
PL.70248	PL.70247	A	#4 ACSR	7.40Y	123.4	0.00	1.59	5.43	4	39	10	97	0.00	0.0	7.192	0.005	0	0	0	7
PD.10448	PL.70248	A	15T	7.40Y	123.4	0.00	1.59	5.43	0	39	10	97	0.00	0.0	7.192	0.005	0	0	0	7

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Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.70249	PD.10448	A	#4 ACSR	7.40Y	123.4	0.04	1.63	5.43	4	39	10	97	0.01	0.0	7.360	0.168	0	0	0	7
PL.69793	PL.70249	A	#4 ACSR	7.40Y	123.3	0.03	1.66	5.43	4	39	10	97	0.01	0.0	7.465	0.105	0	0	0	7
PL.70065	PL.69793	A	#4 ACSR	7.40Y	123.3	0.02	1.68	5.43	4	39	10	97	0.01	0.0	7.565	0.100	2	1	1	7
PL.70066	PL.70065	A	#4 ACSR	7.40Y	123.3	0.01	1.69	5.16	4	37	10	97	0.00	0.0	7.601	0.036	0	0	0	6
PL.70064	PL.70066	A	#4 ACSR	7.40Y	123.3	0.01	1.70	5.16	4	37	10	97	0.00	0.0	7.656	0.054	0	0	1	6
PL.69794	PL.70064	A	#4 ACSR	7.40Y	123.3	0.03	1.73	5.16	4	37	10	97	0.01	0.0	7.770	0.114	0	0	0	5
PL.70020	PL.69794	A	#4 ACSR	7.39Y	123.2	0.03	1.76	5.16	4	37	10	97	0.01	0.0	7.908	0.138	0	0	0	5
PL.70068	PL.70020	A	#4 ACSR	7.39Y	123.2	0.00	1.76	1.06	1	8	2	97	0.00	0.0	7.993	0.086	6	2	1	2
PL.70069	PL.70068	A	#4 ACSR	7.39Y	123.2	0.00	1.76	0.19	0	1	0	100	0.00	0.0	8.131	0.138	1	0	1	1
PL.70058	PL.70020	A	#4 ACSR	7.39Y	123.2	0.01	1.77	4.09	3	29	8	96	0.00	0.0	8.003	0.095	10	3	1	3
PL.70059	PL.70058	A	#4 ACSR	7.39Y	123.2	0.01	1.78	2.75	2	20	5	97	0.00	0.0	8.047	0.044	0	0	0	2
PL.69797	PL.70059	A	#4 ACSR	7.39Y	123.2	0.01	1.79	2.75	2	20	5	97	0.00	0.0	8.094	0.048	0	0	0	2
PL.70044	PL.69797	A	#4 ACSR	7.39Y	123.2	0.01	1.80	2.75	2	20	5	97	0.00	0.0	8.215	0.121	0	0	0	2
PL.69798	PL.70044	A	#4 ACSR	7.39Y	123.2	0.01	1.81	2.75	2	20	5	97	0.00	0.0	8.278	0.062	0	0	0	2
PL.69795	PL.69798	A	#1/0 ACSR	7.39Y	123.2	0.00	1.81	1.62	1	12	3	97	0.00	0.0	8.322	0.045	12	3	1	1
PL.69796	PL.69798	A	#4 ACSR	7.39Y	123.2	0.00	1.81	1.13	1	8	2	97	0.00	0.0	8.396	0.118	8	2	1	1
PL.70062	PL.70247	ABC	#1/0 ACSR	7.40Y	123.4	0.00	1.59	3.89	2	83	22	97	0.00	0.0	7.227	0.040	5	1	1	18
PL.70063	PL.70062	ABC	#1/0 ACSR	7.40Y	123.4	0.00	1.60	3.65	2	78	21	97	0.00	0.0	7.278	0.051	5	1	1	17
PL.70400	PL.70063	A	#4 ACSR	7.40Y	123.4	0.00	1.60	10.20	8	73	19	97	0.00	0.0	7.282	0.005	0	0	0	16
PD.10527	PL.70400	A	20T	7.40Y	123.4	0.00	1.60	10.20	0	73	19	97	0.00	0.0	7.282	0.005	0	0	0	16
PL.70401	PD.10527	A	#4 ACSR	7.40Y	123.4	0.02	1.62	10.20	8	73	19	97	0.01	0.0	7.335	0.052	4	1	1	16
PL.69800	PL.70401	A	#4 ACSR	7.40Y	123.4	0.00	1.62	0.00	0	0	0	100	0.00	0.0	7.426	0.092	0	0	0	0
PL.69799	PL.70401	A	6 A (CWC)	7.40Y	123.3	0.04	1.66	9.62	7	69	18	97	0.02	0.0	7.417	0.083	2	0	1	15
PL.69801	PL.69799	A	6 A (CWC)	7.40Y	123.3	0.03	1.68	9.40	7	67	18	97	0.01	0.0	7.480	0.062	0	0	0	14
PL.69802	PL.69801	A	#2 ACSR	7.40Y	123.3	0.00	1.69	0.88	1	6	2	95	0.00	0.0	7.515	0.035	6	2	2	2
PL.70060	PL.69801	A	6 A (CWC)	7.40Y	123.3	0.01	1.69	5.46	4	39	10	97	0.00	0.0	7.520	0.040	4	1	1	9
PL.70061	PL.70060	A	6 A (CWC)	7.40Y	123.3	0.02	1.71	4.89	3	35	9	97	0.01	0.0	7.613	0.094	2	1	1	8
PL.69805	PL.70061	A	#1/0 ACSR	7.40Y	123.3	0.00	1.72	1.42	1	10	3	96	0.00	0.0	7.665	0.052	10	3	2	2
PL.69806	PL.70061	A	6 A (CWC)	7.40Y	123.3	0.02	1.73	3.17	2	23	6	97	0.00	0.0	7.737	0.123	2	0	1	5
PL.69808	PL.69806	A	6 A (CWC)	7.40Y	123.3	0.02	1.75	2.92	2	21	6	96	0.00	0.0	7.853	0.116	0	0	0	4
PL.69809	PL.69808	A	6 A (CWC)	7.39Y	123.2	0.00	1.75	1.65	1	12	3	97	0.00	0.0	7.910	0.057	5	1	1	2

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

Balanced Voltage Drop Report
Source: Tyner

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

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

PL.69810	PL.69809	A	#1/0 ACSR	7.39Y	123.2	0.00	1.75	0.97	0	7	2	96	0.00	0.0	7.944	0.034	7	2	1	1
PL.69965	PL.69808	A	6 A (CWC)	7.40Y	123.3	0.00	1.75	1.27	1	9	2	98	0.00	0.0	7.943	0.090	9	2	2	2
PL.69807	PL.69806	A	6 A (CWC)	7.40Y	123.3	0.00	1.73	0.00	0	0	0	100	0.00	0.0	7.792	0.055	0	0	0	0
PL.69803	PL.69801	A	#2 ACSR	7.40Y	123.3	0.00	1.69	3.06	2	22	6	96	0.00	0.0	7.534	0.054	17	4	2	3
PL.69804	PL.69803	A	#2 ACSR	7.40Y	123.3	0.00	1.69	0.72	0	5	1	98	0.00	0.0	7.579	0.045	5	1	1	1
PL.70420	PL.69782	ABC	#1/0 ACSR	7.41Y	123.4	0.00	1.56	10.48	5	221	74	95	0.00	0.0	6.925	0.005	0	0	0	46
PD.10540	PL.70420	ABC	20T	7.41Y	123.4	0.00	1.56	10.48	0	221	74	95	0.00	0.0	6.925	0.005	0	0	0	46
PL.70421	PD.10540	ABC	#1/0 ACSR	7.41Y	123.4	0.01	1.57	10.48	5	221	74	95	0.01	0.0	6.951	0.027	1	0	1	46
PL.70067	PL.70421	ABC	#1/0 ACSR	7.41Y	123.4	0.01	1.57	10.41	5	219	73	95	0.01	0.0	6.996	0.044	0	0	0	45
PL.70250	PL.70067	A	#1/0 ACSR	7.41Y	123.4	0.00	1.57	0.00	0	0	0	100	0.00	0.0	7.000	0.005	0	0	0	0
PD.10449	PL.70250	A	10T	7.41Y	123.4	0.00	1.57	0.00	0	0	0	100	0.00	0.0	7.000	0.005	0	0	0	0
PL.70251	PD.10449	A	#1/0 ACSR	7.41Y	123.4	0.00	1.57	0.00	0	0	0	100	0.00	0.0	7.030	0.030	0	0	0	0
PL.69783	PL.70067	ABC	#1/0 ACSR	7.40Y	123.4	0.02	1.59	10.41	5	219	73	95	0.03	0.0	7.086	0.090	0	0	0	45
PL.70018	PL.69783	ABC	#1/0 ACSR	7.40Y	123.4	0.02	1.61	10.41	5	219	73	95	0.03	0.0	7.193	0.107	0	0	0	45
PL.69784	PL.70018	C	#2 ACSR	7.40Y	123.4	0.00	1.61	1.82	1	13	3	97	0.00	0.0	7.198	0.005	0	0	0	3
PD.10454	PL.69784	C	15T	7.40Y	123.4	0.00	1.61	1.82	0	13	3	97	0.00	0.0	7.198	0.005	0	0	0	3
PL.69785	PD.10454	C	#1/0 ACSR	7.40Y	123.4	0.00	1.61	1.27	1	9	2	98	0.00	0.0	7.247	0.049	9	2	1	1
PL.69959	PD.10454	C	#2 ACSR	7.40Y	123.4	0.00	1.61	0.54	0	4	1	97	0.00	0.0	7.219	0.021	4	1	2	2
PL.68585	PL.70018	ABC	#1/0 ACSR	7.40Y	123.4	0.02	1.63	9.81	4	206	70	95	0.03	0.0	7.293	0.100	5	1	1	42
PL.68586	PL.68585	ABC	#1/0 ACSR	7.40Y	123.3	0.02	1.65	9.57	4	201	69	95	0.03	0.0	7.423	0.130	0	0	0	41
PL.69786	PL.68586	ABC	#1/0 ACSR	7.40Y	123.3	0.01	1.66	4.82	2	103	27	97	0.00	0.0	7.481	0.058	0	0	0	31
PL.70386	PL.69786	C	6 A (CWC)	7.40Y	123.3	0.00	1.66	13.78	10	99	26	97	0.00	0.0	7.485	0.004	0	0	0	30
PD.10520	PL.70386	C	30T	7.40Y	123.3	0.00	1.66	13.78	0	99	26	97	0.00	0.0	7.485	0.004	0	0	0	30
PL.70387	PD.10520	C	6 A (CWC)	7.40Y	123.3	0.07	1.73	13.78	10	99	26	97	0.05	0.1	7.595	0.110	0	0	0	30
PL.70019	PL.70387	C	6 A (CWC)	7.39Y	123.2	0.10	1.83	13.78	10	99	26	97	0.07	0.1	7.768	0.173	8	2	2	30
PL.70076	PL.70019	C	6 A (CWC)	7.39Y	123.1	0.06	1.90	10.06	7	72	19	97	0.03	0.0	7.911	0.143	11	3	2	23
PL.70077	PL.70076	C	6 A (CWC)	7.38Y	123.1	0.04	1.94	8.57	6	61	16	97	0.02	0.0	8.018	0.107	0	0	0	21
PL.68543	PL.70077	C	#4 ACSR	7.38Y	123.1	0.00	1.94	1.93	1	14	4	96	0.00	0.0	8.078	0.061	8	2	2	4
PL.68546	PL.68543	C	#4 ACSR	7.38Y	123.1	0.00	1.94	0.83	1	6	2	95	0.00	0.0	8.139	0.061	6	2	2	2
PL.69962	PL.68543	C	#4 ACSR	7.38Y	123.1	0.00	1.94	0.00	0	0	0	100	0.00	0.0	8.128	0.050	0	0	0	0
PL.68544	PL.70077	C	6 A (CWC)	7.38Y	123.0	0.03	1.97	6.64	5	47	13	96	0.01	0.0	8.119	0.102	0	0	0	17

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Balanced Voltage Drop Report
Source: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----			
																KW	KVAR	Cons On	Cons Thru	
PL.68547	PL.68544	C	6 A (CWC)	7.38Y	123.0	0.03	2.00	6.64	5	47	13	96	0.01	0.0	8.219	0.100	0	0	0	17
PL.70078	PL.68547	C	6 A (CWC)	7.38Y	123.0	0.03	2.03	6.64	5	47	13	96	0.01	0.0	8.322	0.104	2	1	1	17
PL.70079	PL.70078	C	6 A (CWC)	7.38Y	122.9	0.03	2.06	6.36	5	45	12	97	0.01	0.0	8.427	0.105	0	0	0	16
PL.68548	PL.70079	C	6 A (CWC)	7.37Y	122.9	0.04	2.09	6.36	5	45	12	97	0.01	0.0	8.549	0.122	0	0	0	16
PL.68551	PL.68548	C	#4 ACSR	7.37Y	122.9	0.04	2.13	6.32	5	45	12	97	0.01	0.0	8.691	0.142	1	0	1	15
PL.68550	PL.68551	C	#4 ACSR	7.37Y	122.8	0.05	2.18	6.19	5	44	12	96	0.02	0.0	8.873	0.182	0	0	0	14
PL.68553	PL.68550	C	#4 ACSR	7.37Y	122.8	0.01	2.19	5.47	4	39	10	97	0.00	0.0	8.903	0.031	0	0	0	13
PL.68554	PL.68553	C	#4 ACSR	7.37Y	122.8	0.00	2.19	0.26	0	2	0	100	0.00	0.0	8.920	0.017	0	0	0	2
PL.69789	PL.68554	C	#2 ACSR	7.37Y	122.8	0.00	2.19	0.26	0	2	0	100	0.00	0.0	8.952	0.031	2	0	2	2
PL.69963	PL.68553	C	#4 ACSR	7.37Y	122.8	0.02	2.21	5.21	4	37	10	97	0.01	0.0	8.987	0.084	0	0	1	11
PL.69790	PL.69963	C	#4 ACSR	7.37Y	122.8	0.00	2.21	1.74	1	12	3	97	0.00	0.0	9.008	0.021	12	3	2	2
PL.70074	PL.69963	C	#4 ACSR	7.37Y	122.8	0.01	2.22	3.46	3	25	7	96	0.00	0.0	9.044	0.056	13	3	2	8
PL.70075	PL.70074	C	#4 ACSR	7.37Y	122.8	0.00	2.22	1.61	1	11	3	96	0.00	0.0	9.080	0.036	6	2	4	6
PL.69791	PL.70075	C	#4 ACSR	7.37Y	122.8	0.00	2.22	0.75	1	5	1	98	0.00	0.0	9.097	0.018	0	0	0	2
PL.69792	PL.69791	C	#4 ACSR	7.37Y	122.8	0.00	2.22	0.55	0	4	1	97	0.00	0.0	9.149	0.052	0	0	0	1
PL.70072	PL.69792	C	#4 ACSR	7.37Y	122.8	0.00	2.22	0.55	0	4	1	97	0.00	0.0	9.194	0.045	4	1	1	1
PL.70073	PL.70072	C	#4 ACSR	7.37Y	122.8	0.00	2.22	0.00	0	0	0	100	0.00	0.0	9.232	0.038	0	0	0	0
PL.69964	PL.69791	C	#4 ACSR	7.37Y	122.8	0.00	2.22	0.20	0	1	0	100	0.00	0.0	9.119	0.022	1	0	1	1
PL.68552	PL.68550	C	#4 ACSR	7.37Y	122.8	0.00	2.19	0.72	1	5	1	98	0.00	0.0	8.939	0.066	5	1	1	1
PL.68549	PL.68548	C	#4 ACSR	7.37Y	122.9	0.00	2.09	0.03	0	0	0	100	0.00	0.0	8.599	0.050	0	0	1	1
PL.68591	PL.70019	C	#4 ACSR	7.39Y	123.2	0.00	1.84	2.66	2	19	5	97	0.00	0.0	7.809	0.042	8	2	1	5
PL.68592	PL.68591	C	#4 ACSR	7.39Y	123.2	0.00	1.84	1.54	1	11	3	96	0.00	0.0	7.850	0.041	4	1	1	4
PL.68593	PL.68592	C	#4 ACSR	7.39Y	123.2	0.00	1.84	1.04	1	7	2	96	0.00	0.0	7.901	0.051	5	1	2	3
PL.70071	PL.68593	C	#4 ACSR	7.39Y	123.2	0.00	1.84	0.33	0	2	1	89	0.00	0.0	7.950	0.049	2	1	1	1
PL.70402	PL.69786	A	#2 ACSR	7.40Y	123.3	0.00	1.66	0.67	0	5	1	98	0.00	0.0	7.485	0.004	0	0	0	1
PD.10528	PL.70402	A	10T	7.40Y	123.3	0.00	1.66	0.67	0	5	1	98	0.00	0.0	7.485	0.004	0	0	0	1
PL.70403	PD.10528	A	#2 ACSR	7.40Y	123.3	0.00	1.66	0.67	0	5	1	98	0.00	0.0	7.500	0.015	5	1	1	1
PL.68589	PL.68586	ABC	#1/0 ACSR	7.40Y	123.3	0.01	1.67	3.57	2	72	34	90	0.01	0.0	7.587	0.164	0	0	0	2
PL.68590	PL.68589	ABC	#1/0 ACSR	7.40Y	123.3	0.01	1.67	3.57	2	72	34	90	0.00	0.0	7.680	0.093	0	0	0	2
PL.70422	PL.68590	ABC	1/0 AL URD	7.40Y	123.3	0.00	1.67	3.57	2	72	34	90	0.00	0.0	7.685	0.005	0	0	0	2
PD.10541	PL.70422	ABC	12T	7.40Y	123.3	0.00	1.67	3.57	0	72	34	90	0.00	0.0	7.685	0.005	0	0	0	2

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Balanced Voltage Drop Report
Source: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.70423	PD.10541	ABC	1/0 AL URD	7.40Y	123.3	0.00	1.67	3.57	2	72	34	90	0.00	0.0	7.717	0.032	72	35	2	2
PL.70260	PL.68586	A	#2 ACSR	7.40Y	123.3	0.00	1.65	3.67	2	26	7	97	0.00	0.0	7.428	0.005	0	0	0	8
PD.10455	PL.70260	A	15T	7.40Y	123.3	0.00	1.65	3.67	0	26	7	97	0.00	0.0	7.428	0.005	0	0	0	8
PL.70261	PD.10455	A	#2 ACSR	7.40Y	123.3	0.00	1.66	3.67	2	26	7	97	0.00	0.0	7.446	0.018	0	0	0	8
PL.69787	PL.70261	A	#2 ACSR	7.40Y	123.3	0.00	1.66	1.41	1	10	3	96	0.00	0.0	7.518	0.072	10	3	2	2
PL.69961	PL.70261	A	#2 ACSR	7.40Y	123.3	0.00	1.66	1.33	1	10	3	96	0.00	0.0	7.483	0.037	10	3	2	2
PL.68587	PL.70261	A	#2 ACSR	7.40Y	123.3	0.00	1.66	0.92	1	7	2	96	0.00	0.0	7.486	0.041	2	0	1	4
PL.68588	PL.68587	A	#2 ACSR	7.40Y	123.3	0.00	1.66	0.69	0	5	1	98	0.00	0.0	7.535	0.049	0	0	2	3
PL.69788	PL.68588	A	#2 ACSR	7.40Y	123.3	0.00	1.66	0.69	0	5	1	98	0.00	0.0	7.571	0.036	0	0	0	1
PL.69960	PL.69788	A	#2 ACSR	7.40Y	123.3	0.00	1.66	0.69	0	5	1	98	0.00	0.0	7.591	0.020	5	1	1	1
PL.68542	PL.69788	A	#2 ACSR	7.40Y	123.3	0.00	1.66	0.00	0	0	0	100	0.00	0.0	7.610	0.039	0	0	0	0
PL.70384	PL.68562	C	#1/0 ACSR	7.41Y	123.5	0.00	1.52	0.03	0	0	0	100	0.00	0.0	6.809	0.005	0	0	0	1
PD.10519	PL.70384	C	15T	7.41Y	123.5	0.00	1.52	0.03	0	0	0	100	0.00	0.0	6.809	0.005	0	0	0	1
PL.70385	PD.10519	C	#1/0 ACSR	7.41Y	123.5	0.00	1.52	0.03	0	0	0	100	0.00	0.0	6.854	0.045	0	0	1	1
PL.70252	PL.68562	A	#4 ACSR	7.41Y	123.5	0.00	1.52	1.38	1	10	3	96	0.00	0.0	6.809	0.005	0	0	0	2
PD.10450	PL.70252	A	40T	7.41Y	123.5	0.00	1.52	1.38	0	10	3	96	0.00	0.0	6.809	0.005	0	0	0	2
PL.70253	PD.10450	A	#4 ACSR	7.41Y	123.5	0.00	1.52	1.38	1	10	3	96	0.00	0.0	6.815	0.006	0	0	0	2
PL.70049	PL.70253	A	#4 ACSR	7.41Y	123.5	0.00	1.53	0.80	1	6	2	95	0.00	0.0	6.845	0.030	6	2	1	1
PL.69781	PL.70253	A	#2 ACSR	7.41Y	123.5	0.00	1.52	0.58	0	4	1	97	0.00	0.0	6.839	0.024	4	1	1	1
PL.70382	PL.68564	A	#1/0 ACSR	7.41Y	123.5	0.00	1.46	0.62	0	4	1	97	0.00	0.0	6.595	0.005	0	0	0	1
PD.10518	PL.70382	A	40T	7.41Y	123.5	0.00	1.46	0.62	0	4	1	97	0.00	0.0	6.595	0.005	0	0	0	1
PL.70383	PD.10518	A	#1/0 ACSR	7.41Y	123.5	0.00	1.46	0.62	0	4	1	97	0.00	0.0	6.624	0.029	0	0	0	1
PL.68560	PL.70383	A	#1/0 ACSR	7.41Y	123.5	0.00	1.46	0.62	0	4	1	97	0.00	0.0	6.683	0.059	4	1	1	1
PL.70268	PL.69954	A	#4 ACSR	7.42Y	123.7	0.00	1.33	0.71	1	5	1	98	0.00	0.0	6.242	0.005	0	0	0	1
PD.10459	PL.70268	A	40T	7.42Y	123.7	0.00	1.33	0.71	0	5	1	98	0.00	0.0	6.242	0.005	0	0	0	1
PL.70269	PD.10459	A	#4 ACSR	7.42Y	123.7	0.00	1.33	0.71	1	5	1	98	0.00	0.0	6.297	0.055	5	1	1	1
PL.70378	PL.69954	C	#2 ACSR	7.42Y	123.7	0.00	1.33	0.87	0	6	2	95	0.00	0.0	6.242	0.005	0	0	0	2
PD.10516	PL.70378	C	40T	7.42Y	123.7	0.00	1.33	0.87	0	6	2	95	0.00	0.0	6.242	0.005	0	0	0	2
PL.70379	PD.10516	C	#2 ACSR	7.42Y	123.7	0.00	1.33	0.87	0	6	2	95	0.00	0.0	6.256	0.014	6	2	2	2
PL.70404	PL.69952	A	#4 ACSR	7.46Y	124.3	0.00	0.67	1.72	1	12	3	97	0.00	0.0	4.710	0.004	0	0	0	2
PD.10529	PL.70404	A	40T	7.46Y	124.3	0.00	0.67	1.72	0	12	3	97	0.00	0.0	4.710	0.004	0	0	0	2

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Balanced Voltage Drop Report
Source: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.70405	PD.10529	A	#4 ACSR	7.46Y	124.3	0.00	0.67	1.72	1	12	3	97	0.00	0.0	4.735	0.025	12	3	2	2
PL.69953	PL.69748	ABC	#4 ACSR	7.46Y	124.4	0.00	0.64	3.89	3	79	36	91	0.00	0.0	4.654	0.005	0	0	0	4
PD.10539	PL.69953	ABC	30T	7.46Y	124.4	0.00	0.64	3.89	0	79	36	91	0.00	0.0	4.654	0.005	0	0	0	4
PL.69749	PD.10539	A	#2 ACSR	7.46Y	124.4	0.00	0.65	1.31	1	9	2	98	0.00	0.0	4.708	0.054	9	2	1	1
PL.69750	PD.10539	ABC	#4 ACSR	7.46Y	124.4	0.00	0.65	3.46	3	70	34	90	0.00	0.0	4.682	0.028	0	0	1	3
PL.70088	PL.69750	ABC	#4 ACSR	7.46Y	124.3	0.01	0.66	3.44	3	69	34	90	0.00	0.0	4.747	0.065	0	0	1	2
PL.70087	PL.70088	ABC	#4 ACSR	7.46Y	124.3	0.00	0.66	3.44	3	69	34	90	0.00	0.0	4.754	0.007	69	34	1	1
PL.70322	PL.70321	A	#1/0 ACSR	7.31Y	121.8	0.00	3.24	1.44	1	10	3	96	0.00	0.0	3.783	0.005	0	0	0	2
PD.10486	PL.70322	A	25T	7.31Y	121.8	0.00	3.24	1.44	0	10	3	96	0.00	0.0	3.783	0.005	0	0	0	2
PL.70323	PD.10486	A	#1/0 ACSR	7.31Y	121.8	0.00	3.24	1.44	1	10	3	96	0.00	0.0	3.795	0.012	10	3	2	2
PL.70318	PL.69947	C	#1/0 ACSR	7.31Y	121.8	0.00	3.17	1.44	1	10	3	96	0.00	0.0	3.672	0.005	0	0	0	1
PD.10485	PL.70318	C	25T	7.31Y	121.8	0.00	3.17	1.44	0	10	3	96	0.00	0.0	3.672	0.005	0	0	0	1
PL.70319	PD.10485	C	#1/0 ACSR	7.31Y	121.8	0.00	3.17	1.44	1	10	3	96	0.00	0.0	3.741	0.070	10	3	1	1
PL.70324	PL.69939	C	#1/0 ACSR	7.32Y	122.0	0.00	2.98	0.00	0	0	0	100	0.00	0.0	3.384	0.004	0	0	0	0
PD.10487	PL.70324	C	65T	7.32Y	122.0	0.00	2.98	0.00	0	0	0	100	0.00	0.0	3.384	0.004	0	0	0	0
PL.70325	PD.10487	C	#1/0 ACSR	7.32Y	122.0	0.00	2.98	0.00	0	0	0	100	0.00	0.0	3.456	0.073	0	0	0	0
PL.70326	PL.69288	C	#4 ACSR	7.32Y	122.0	0.00	2.96	0.00	0	0	0	100	0.00	0.0	3.343	0.005	0	0	0	3
PD.10488	PL.70326	C	20T	7.32Y	122.0	0.00	2.96	0.00	0	0	0	100	0.00	0.0	3.343	0.005	0	0	0	3
PL.70327	PD.10488	C	#4 ACSR	7.32Y	122.0	0.00	2.96	0.00	0	0	0	100	0.00	0.0	3.366	0.023	0	0	3	3
PL.70372	PL.69720	B	#2 ACSR	7.33Y	122.2	0.00	2.82	9.60	5	68	18	97	0.00	0.0	3.146	0.005	0	0	0	16
PD.10513	PL.70372	B	65T	7.33Y	122.2	0.00	2.82	9.60	0	68	18	97	0.00	0.0	3.146	0.005	0	0	0	16
PL.70373	PD.10513	B	#2 ACSR	7.33Y	122.2	0.01	2.83	9.60	5	68	18	97	0.00	0.0	3.171	0.026	5	1	2	16
PL.69301	PL.70373	B	#2 ACSR	7.33Y	122.2	0.02	2.85	8.83	5	63	17	97	0.01	0.0	3.246	0.074	0	0	0	14
PL.69302	PL.69301	B	#2 ACSR	7.33Y	122.1	0.02	2.87	8.83	5	63	17	97	0.01	0.0	3.320	0.074	0	0	0	14
PL.69304	PL.69302	B	#1/0 ACSR	7.33Y	122.1	0.00	2.87	1.97	1	14	4	96	0.00	0.0	3.360	0.040	0	0	1	4
PL.69305	PL.69304	B	#1/0 ACSR	7.33Y	122.1	0.00	2.87	1.97	1	14	4	96	0.00	0.0	3.393	0.033	6	2	1	3
PL.69303	PL.69305	B	#1/0 ACSR	7.33Y	122.1	0.00	2.87	1.07	0	8	2	97	0.00	0.0	3.429	0.036	8	2	2	2
PL.69721	PL.69302	B	#2 ACSR	7.33Y	122.1	0.03	2.89	6.85	4	49	13	97	0.01	0.0	3.438	0.118	0	0	0	10
PL.69938	PL.69721	B	#2 ACSR	7.33Y	122.1	0.00	2.90	3.32	2	24	6	97	0.00	0.0	3.479	0.041	0	0	0	4
PL.69311	PL.69938	B	#2 ACSR	7.33Y	122.1	0.01	2.90	3.32	2	24	6	97	0.00	0.0	3.535	0.056	5	1	2	4
PL.69312	PL.69311	B	#2 ACSR	7.33Y	122.1	0.00	2.91	2.64	2	19	5	97	0.00	0.0	3.592	0.057	8	2	1	2

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Balanced Voltage Drop Report
Source: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.69722	PL.69312	B	#2 ACSR	7.33Y	122.1	0.00	2.91	1.45	1	10	3	96	0.00	0.0	3.662	0.070	10	3	1	1
PL.69309	PL.69721	B	#2 ACSR	7.33Y	122.1	0.00	2.90	3.54	2	25	7	96	0.00	0.0	3.478	0.040	4	1	1	6
PL.69310	PL.69309	B	#2 ACSR	7.33Y	122.1	0.00	2.90	2.94	2	21	6	96	0.00	0.0	3.495	0.017	4	1	1	5
PL.69306	PL.69310	B	#2 ACSR	7.33Y	122.1	0.00	2.90	2.36	1	17	4	97	0.00	0.0	3.525	0.030	5	1	2	4
PL.69307	PL.69306	B	#2 ACSR	7.33Y	122.1	0.00	2.90	1.64	1	12	3	97	0.00	0.0	3.562	0.037	7	2	1	2
PL.69308	PL.69307	B	#2 ACSR	7.33Y	122.1	0.00	2.90	0.66	0	5	1	98	0.00	0.0	3.587	0.024	5	1	1	1
PL.69924	PL.69686	ABC	336 MCM AC	7.36Y	122.7	0.00	2.27	0.24	0	5	1	98	0.00	0.0	2.452	0.050	5	1	1	1
PL.70430	PL.70146	B	6 A (CWC)	7.36Y	122.7	0.00	2.27	37.27	27	265	71	97	0.01	0.0	2.396	0.003	0	0	0	53
PD.10546	PL.70430	B	50L	7.36Y	122.7	0.00	2.27	37.27	75	265	71	97	0.00	0.0	2.396	0.003	0	0	0	53
PL.70431	PD.10546	B	6 A (CWC)	7.35Y	122.6	0.16	2.43	37.27	27	265	71	97	0.31	0.1	2.488	0.092	4	1	2	53
PL.70144	PL.70431	B	6 A (CWC)	7.35Y	122.4	0.13	2.56	36.70	26	261	69	97	0.25	0.1	2.565	0.077	5	1	1	51
PL.70143	PL.70144	B	6 A (CWC)	7.34Y	122.4	0.04	2.59	36.03	26	256	68	97	0.08	0.0	2.589	0.024	0	0	0	50
PL.69926	PL.70143	B	6 A (CWC)	7.34Y	122.3	0.10	2.70	35.19	25	250	66	97	0.19	0.1	2.652	0.063	0	0	0	49
PL.69927	PL.69926	B	6 A (CWC)	7.33Y	122.2	0.13	2.83	32.73	23	232	62	97	0.23	0.1	2.741	0.088	0	0	0	46
PL.69691	PL.69927	B	#2 ACSR	7.33Y	122.2	0.00	2.83	1.69	1	12	3	97	0.00	0.0	2.801	0.060	12	3	2	2
PL.69689	PL.69927	B	6 A (CWC)	7.33Y	122.1	0.03	2.86	5.39	4	38	10	97	0.01	0.0	2.878	0.138	0	0	0	8
PL.69688	PL.69689	B	6 A (CWC)	7.33Y	122.1	0.00	2.86	0.88	1	6	2	95	0.00	0.0	2.909	0.031	6	2	1	1
PL.69684	PL.69689	B	6 A (CWC)	7.33Y	122.1	0.01	2.87	4.50	3	32	8	97	0.00	0.0	2.934	0.056	6	2	1	7
PL.70047	PL.69684	B	#4 ACSR	7.33Y	122.1	0.00	2.87	0.01	0	0	0	100	0.00	0.0	3.047	0.112	0	0	1	1
PL.70153	PL.69684	B	6 A (CWC)	7.33Y	122.1	0.01	2.88	3.62	3	26	7	97	0.00	0.0	3.002	0.067	3	1	1	5
PL.70154	PL.70153	B	6 A (CWC)	7.33Y	122.1	0.02	2.90	3.19	2	23	6	97	0.00	0.0	3.159	0.157	13	3	2	4
PL.70138	PL.70154	B	6 A (CWC)	7.33Y	122.1	0.00	2.90	1.40	1	10	3	96	0.00	0.0	3.310	0.151	10	3	2	2
PL.70048	PL.69684	B	#4 ACSR	7.33Y	122.1	0.00	2.87	0.00	0	0	0	100	0.00	0.0	2.936	0.002	0	0	0	0
PL.69692	PL.69927	B	6 A (CWC)	7.33Y	122.1	0.07	2.90	25.65	18	182	48	97	0.10	0.1	2.804	0.063	8	2	1	36
PL.69693	PL.69692	B	6 A (CWC)	7.33Y	122.1	0.01	2.91	1.55	1	11	3	96	0.00	0.0	2.923	0.119	8	2	1	2
PL.69694	PL.69693	B	#1/0 ACSR	7.33Y	122.1	0.00	2.91	0.40	0	3	1	95	0.00	0.0	3.052	0.129	3	1	1	1
PL.69928	PL.69692	B	6 A (CWC)	7.31Y	121.9	0.20	3.10	22.99	16	163	43	97	0.24	0.1	2.992	0.188	0	0	0	32
PL.69929	PL.69928	B	6 A (CWC)	7.31Y	121.8	0.09	3.19	19.94	14	141	37	97	0.10	0.1	3.092	0.100	0	0	0	29
PL.69702	PL.69929	B	6 A (CWC)	7.30Y	121.7	0.07	3.25	19.94	14	141	37	97	0.07	0.0	3.164	0.072	0	0	0	29
PL.69931	PL.69702	B	6 A (CWC)	7.30Y	121.7	0.03	3.29	9.80	7	69	18	97	0.02	0.0	3.237	0.073	0	0	0	12
PL.69704	PL.69931	B	6 A (CWC)	7.30Y	121.7	0.00	3.29	1.43	1	10	3	96	0.00	0.0	3.301	0.064	9	2	2	3

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.69705	PL.69704	B	6 A (CWC)	7.30Y	121.7	0.00	3.29	0.19	0	1	0	100	0.00	0.0	3.371	0.070	1	0	1	1
PL.70168	PL.69931	B	6 A (CWC)	7.30Y	121.7	0.03	3.32	8.37	6	59	16	97	0.01	0.0	3.334	0.097	8	2	2	9
PL.70169	PL.70168	B	6 A (CWC)	7.30Y	121.6	0.06	3.38	7.29	5	51	14	96	0.02	0.0	3.508	0.173	0	0	0	7
PL.69708	PL.70169	B	#2 ACSR	7.30Y	121.6	0.00	3.38	1.18	1	8	2	97	0.00	0.0	3.556	0.049	8	2	1	1
PL.69709	PL.70169	B	#2 ACSR	7.30Y	121.6	0.01	3.39	6.10	3	43	11	97	0.00	0.0	3.546	0.038	0	0	0	6
PL.70173	PL.69709	B	#2 ACSR	7.30Y	121.6	0.01	3.40	6.10	3	43	11	97	0.00	0.0	3.626	0.081	17	4	2	6
PL.69287	PL.70173	B	#2 ACSR	7.30Y	121.6	0.00	3.40	3.71	2	26	7	97	0.00	0.0	3.635	0.008	0	0	0	4
PL.70171	PL.69287	B	#2 ACSR	7.30Y	121.6	0.00	3.40	2.90	2	20	5	97	0.00	0.0	3.685	0.050	5	1	1	3
PL.70172	PL.70171	B	#2 ACSR	7.30Y	121.6	0.01	3.41	2.13	1	15	4	97	0.00	0.0	3.809	0.124	7	2	1	2
PL.70170	PL.70172	B	#2 ACSR	7.30Y	121.6	0.00	3.41	1.18	1	8	2	97	0.00	0.0	3.886	0.077	8	2	1	1
PL.69932	PL.69287	B	#2 ACSR	7.30Y	121.6	0.00	3.40	0.82	0	6	2	95	0.00	0.0	3.685	0.050	6	2	1	1
PL.69703	PL.69702	B	#4 ACSR	7.30Y	121.7	0.03	3.28	10.14	8	72	19	97	0.02	0.0	3.229	0.065	0	0	0	17
PL.69706	PL.69703	B	#1/0 ACSR	7.30Y	121.7	0.02	3.31	10.14	4	72	19	97	0.01	0.0	3.333	0.103	6	2	1	17
PL.70164	PL.69706	B	#1/0 ACSR	7.30Y	121.7	0.01	3.31	7.38	3	52	14	97	0.00	0.0	3.367	0.035	9	2	2	13
PL.70165	PL.70164	B	#1/0 ACSR	7.30Y	121.7	0.01	3.32	6.07	3	43	11	97	0.00	0.0	3.412	0.045	9	2	3	11
PL.70163	PL.70165	B	#1/0 ACSR	7.30Y	121.7	0.00	3.32	4.79	2	34	9	97	0.00	0.0	3.437	0.025	4	1	1	8
PL.70159	PL.70163	B	#1/0 ACSR	7.30Y	121.7	0.01	3.33	3.44	1	24	6	97	0.00	0.0	3.514	0.077	7	2	1	6
PL.70160	PL.70159	B	#1/0 ACSR	7.30Y	121.7	0.00	3.33	2.39	1	17	4	97	0.00	0.0	3.524	0.011	5	1	1	5
PL.70161	PL.70160	B	#1/0 ACSR	7.30Y	121.7	0.00	3.33	1.64	1	12	3	97	0.00	0.0	3.567	0.043	3	1	2	4
PL.70162	PL.70161	B	#1/0 ACSR	7.30Y	121.7	0.00	3.33	1.21	1	9	2	98	0.00	0.0	3.622	0.055	9	2	2	2
PL.69707	PL.70163	B	#1/0 ACSR	7.30Y	121.7	0.00	3.32	0.84	0	6	2	95	0.00	0.0	3.463	0.026	6	2	1	1
PL.70166	PL.69706	B	#1/0 ACSR	7.30Y	121.7	0.00	3.31	1.92	1	14	4	96	0.00	0.0	3.357	0.025	14	4	3	3
PL.70167	PL.70166	B	#1/0 ACSR	7.30Y	121.7	0.00	3.31	0.00	0	0	0	100	0.00	0.0	3.385	0.028	0	0	0	0
PL.70157	PL.69928	B	6 A (CWC)	7.31Y	121.9	0.01	3.11	3.06	2	22	6	96	0.00	0.0	3.078	0.086	13	4	1	3
PL.70158	PL.70157	B	6 A (CWC)	7.31Y	121.9	0.01	3.11	1.18	1	8	2	97	0.00	0.0	3.177	0.099	0	0	0	2
PL.69696	PL.70158	B	#4 ACSR	7.31Y	121.9	0.00	3.11	0.00	0	0	0	100	0.00	0.0	3.241	0.064	0	0	0	0
PL.69697	PL.70158	B	6 A (CWC)	7.31Y	121.9	0.01	3.12	1.18	1	8	2	97	0.00	0.0	3.279	0.103	0	0	0	2
PL.70155	PL.69697	B	6 A (CWC)	7.31Y	121.9	0.00	3.12	1.18	1	8	2	97	0.00	0.0	3.376	0.097	2	1	1	2
PL.70156	PL.70155	B	6 A (CWC)	7.31Y	121.9	0.00	3.12	0.84	1	6	2	95	0.00	0.0	3.430	0.053	0	0	0	1
PL.69699	PL.70156	B	6 A (CWC)	7.31Y	121.9	0.00	3.12	0.84	1	6	2	95	0.00	0.0	3.459	0.030	0	0	0	1
PL.69930	PL.69699	B	6 A (CWC)	7.31Y	121.9	0.00	3.12	0.00	0	0	0	100	0.00	0.0	3.496	0.037	0	0	0	0

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Balanced Voltage Drop Report
Source: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.69701	PL.69930	B	#4 ACSR	7.31Y	121.9	0.00	3.12	0.00	0	0	0	100	0.00	0.0	3.595	0.099	0	0	0	0
PL.69698	PL.69699	B	6 A (CWC)	7.31Y	121.9	0.00	3.13	0.84	1	6	2	95	0.00	0.0	3.541	0.082	0	0	0	1
PL.69700	PL.69698	B	#1/0 ACSR	7.31Y	121.9	0.00	3.13	0.84	0	6	2	95	0.00	0.0	3.578	0.037	6	2	1	1
PL.69695	PL.69692	B	#4 ACSR	7.33Y	122.1	0.00	2.90	0.00	0	0	0	100	0.00	0.0	2.846	0.042	0	0	1	1
PL.69690	PL.69926	B	#1/0 ACSR	7.34Y	122.3	0.00	2.70	2.46	1	17	5	96	0.00	0.0	2.690	0.038	17	5	3	3
PL.69687	PL.70143	B	#1/0 ACSR	7.34Y	122.4	0.00	2.59	0.84	0	6	2	95	0.00	0.0	2.608	0.020	6	2	1	1
PL.70310	PL.70312	A	#4 ACSR	7.40Y	123.3	0.00	1.66	1.97	2	14	4	96	0.00	0.0	1.703	0.004	0	0	0	3
PD.10481	PL.70310	A	65T	7.40Y	123.3	0.00	1.66	1.97	0	14	4	96	0.00	0.0	1.703	0.004	0	0	0	3
PL.70311	PD.10481	A	#4 ACSR	7.40Y	123.3	0.00	1.67	1.97	2	14	4	96	0.00	0.0	1.747	0.044	5	1	1	3
PL.69682	PL.70311	A	#4 ACSR	7.40Y	123.3	0.00	1.67	0.36	0	3	1	95	0.00	0.0	1.793	0.047	3	1	1	1
PL.69683	PL.70311	A	#4 ACSR	7.40Y	123.3	0.00	1.67	0.90	1	6	2	95	0.00	0.0	1.783	0.037	6	2	1	1
PL.70290	PL.70116	C	#4 ACSR	7.45Y	124.1	0.00	0.86	0.89	1	6	2	95	0.00	0.0	0.838	0.004	0	0	0	3
PD.10470	PL.70290	C	65T	7.45Y	124.1	0.00	0.86	0.89	0	6	2	95	0.00	0.0	0.838	0.004	0	0	0	3
PL.70291	PD.10470	C	#4 ACSR	7.45Y	124.1	0.00	0.87	0.89	1	6	2	95	0.00	0.0	0.882	0.044	6	2	3	3
PL.70294	PL.69912	A	6 A (CWC)	7.46Y	124.4	0.00	0.62	1.01	1	7	2	96	0.00	0.0	0.600	0.005	0	0	0	2
PD.10473	PL.70294	A	65T	7.46Y	124.4	0.00	0.62	1.01	0	7	2	96	0.00	0.0	0.600	0.005	0	0	0	2
PL.70295	PD.10473	A	6 A (CWC)	7.46Y	124.4	0.00	0.62	1.01	1	7	2	96	0.00	0.0	0.667	0.067	7	2	2	2
PL.70286	PL.69651	C	#1/0 ACSR	7.47Y	124.5	0.00	0.53	0.72	0	5	1	98	0.00	0.0	0.509	0.005	0	0	0	2
PD.10468	PL.70286	C	10T	7.47Y	124.5	0.00	0.53	0.72	0	5	1	98	0.00	0.0	0.509	0.005	0	0	0	2
PL.70287	PD.10468	C	#1/0 ACSR	7.47Y	124.5	0.00	0.53	0.72	0	5	1	98	0.00	0.0	0.543	0.034	5	1	2	2
PL.70406	PL.70104	C	#2 ACSR	7.48Y	124.7	0.00	0.31	7.45	4	54	14	97	0.00	0.0	0.291	0.004	0	0	0	11
PD.10531	PL.70406	C	65T	7.48Y	124.7	0.00	0.31	7.45	0	54	14	97	0.00	0.0	0.291	0.004	0	0	0	11
PL.70407	PD.10531	C	#2 ACSR	7.48Y	124.7	0.01	0.31	7.45	4	54	14	97	0.00	0.0	0.325	0.034	14	4	3	11
PL.70102	PL.70407	C	#2 ACSR	7.48Y	124.7	0.01	0.32	5.49	3	40	11	96	0.00	0.0	0.367	0.042	10	3	3	8
PL.70117	PL.70102	C	#2 ACSR	7.48Y	124.7	0.01	0.32	4.10	2	30	8	97	0.00	0.0	0.409	0.042	4	1	1	5
PL.70118	PL.70117	C	#2 ACSR	7.48Y	124.7	0.00	0.32	3.51	2	25	7	96	0.00	0.0	0.424	0.014	0	0	0	4
PL.70151	PL.70118	C	#2 ACSR	7.48Y	124.7	0.00	0.33	3.51	2	25	7	96	0.00	0.0	0.443	0.019	9	2	1	4
PL.70152	PL.70151	C	#2 ACSR	7.48Y	124.7	0.00	0.33	2.26	1	16	4	97	0.00	0.0	0.465	0.022	9	2	2	3
PL.69650	PL.70152	C	#1/0 ACSR	7.48Y	124.7	0.00	0.33	0.98	0	7	2	96	0.00	0.0	0.493	0.028	7	2	1	1
PL.69649	PL.72924	ABC	#1/0 ACSR	7.50Y	125.0	0.00	0.01	0.00	0	0	0	100	0.00	0.0	0.014	0.004	0	0	0	0
PL.68328	Tyner	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	46.80	9	1015	279	96	0.01	0.0	0.005	0.005	0	0	0	279

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Balanced Voltage Drop Report
Source: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.72921	PL.68328	ABC	336 MCM AC	7.50Y	125.0	0.00	0.00	46.80	9	1015	279	96	0.00	0.0	0.007	0.002	0	0	0	279
----- Feeder No. 0 (Zekes Point F2) Beginning with Device PD.11202 -----																				
PD.11202	PL.72921	ABC	360VWE	7.50Y	125.0	0.00	0.00	46.80	0	1015	279	96	0.00	0.0	0.007	0.002	0	0	0	279
PL.72922	PD.11202	ABC	336 MCM AC	7.50Y	125.0	0.01	0.01	46.80	9	1015	279	96	0.04	0.0	0.031	0.024	8	2	1	279
PL.69421	PL.72922	ABC	336 MCM AC	7.50Y	125.0	0.01	0.02	46.42	9	1007	277	96	0.07	0.0	0.072	0.041	0	0	0	278
PL.69260	PL.69421	ABC	336 MCM AC	7.50Y	124.9	0.05	0.08	46.42	9	1007	277	96	0.29	0.0	0.230	0.159	0	0	0	278
PL.69259	PL.69260	ABC	336 MCM AC	7.49Y	124.9	0.04	0.11	46.42	9	1007	276	96	0.19	0.0	0.333	0.103	0	0	0	278
PL.69607	PL.69259	C	#4 ACSR	7.49Y	124.9	0.00	0.11	0.87	1	6	2	95	0.00	0.0	0.337	0.004	0	0	0	1
PD.10422	PL.69607	C	65T	7.49Y	124.9	0.00	0.11	0.87	0	6	2	95	0.00	0.0	0.337	0.004	0	0	0	1
PL.69608	PD.10422	C	#4 ACSR	7.49Y	124.9	0.00	0.12	0.87	1	6	2	95	0.00	0.0	0.368	0.030	6	2	1	1
PL.69214	PL.69259	ABC	336 MCM AC	7.49Y	124.9	0.03	0.14	46.13	9	1000	274	96	0.15	0.0	0.419	0.086	0	0	0	277
PL.69215	PL.69214	ABC	336 MCM AC	7.49Y	124.8	0.03	0.17	45.54	9	987	270	96	0.15	0.0	0.504	0.084	6	2	1	274
PL.69090	PL.69215	ABC	336 MCM AC	7.49Y	124.8	0.02	0.20	45.27	9	981	268	96	0.13	0.0	0.577	0.073	0	0	1	273
PL.69601	PL.69090	C	#4 ACSR	7.49Y	124.8	0.00	0.20	1.84	1	13	4	96	0.00	0.0	0.582	0.005	0	0	0	6
PD.10419	PL.69601	C	65T	7.49Y	124.8	0.00	0.20	1.84	0	13	4	96	0.00	0.0	0.582	0.005	0	0	0	6
PL.69602	PD.10419	C	#4 ACSR	7.49Y	124.8	0.00	0.20	1.84	1	13	4	96	0.00	0.0	0.616	0.034	5	1	1	6
PL.69523	PL.69602	C	#4 ACSR	7.49Y	124.8	0.00	0.20	1.09	1	8	2	97	0.00	0.0	0.660	0.044	5	1	2	5
PL.69092	PL.69523	C	#4 ACSR	7.49Y	124.8	0.00	0.20	0.43	0	3	1	95	0.00	0.0	0.712	0.052	1	0	1	3
PL.69093	PL.69092	C	#1/0 ACSR	7.49Y	124.8	0.00	0.20	0.34	0	2	1	89	0.00	0.0	0.753	0.041	2	1	2	2
PL.69521	PL.69090	ABC	336 MCM AC	7.49Y	124.8	0.04	0.23	44.40	9	962	263	96	0.19	0.0	0.693	0.116	9	2	1	265
PL.69522	PL.69521	ABC	336 MCM AC	7.48Y	124.7	0.02	0.26	43.98	8	953	260	96	0.12	0.0	0.765	0.072	0	0	0	264
PL.69599	PL.69522	C	#4 ACSR	7.48Y	124.7	0.00	0.26	1.59	1	12	3	97	0.00	0.0	0.770	0.005	0	0	0	4
PD.10418	PL.69599	C	65T	7.48Y	124.7	0.00	0.26	1.59	0	12	3	97	0.00	0.0	0.770	0.005	0	0	0	4
PL.69600	PD.10418	C	#4 ACSR	7.48Y	124.7	0.00	0.26	1.59	1	12	3	97	0.00	0.0	0.816	0.047	0	0	0	4
PL.69094	PL.69600	C	#4 ACSR	7.48Y	124.7	0.00	0.26	0.00	0	0	0	100	0.00	0.0	0.881	0.065	0	0	1	1
PL.69217	PL.69600	C	#4 ACSR	7.48Y	124.7	0.00	0.26	1.59	1	12	3	97	0.00	0.0	0.842	0.026	12	3	3	3
PL.69216	PL.69522	ABC	336 MCM AC	7.48Y	124.7	0.04	0.30	43.45	8	941	257	96	0.22	0.0	0.902	0.137	0	0	0	260
PL.69597	PL.69216	A	#4 ACSR	7.48Y	124.7	0.00	0.30	0.95	1	7	2	96	0.00	0.0	0.907	0.005	0	0	0	2
PD.10417	PL.69597	A	65T	7.48Y	124.7	0.00	0.30	0.95	0	7	2	96	0.00	0.0	0.907	0.005	0	0	0	2

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.69598	PD.10417	A	#4 ACSR	7.48Y	124.7	0.00	0.30	0.95	1	7	2	96	0.00	0.0	0.963	0.056	1	0	1	2
PL.69095	PL.69598	A	#4 ACSR	7.48Y	124.7	0.00	0.31	0.83	1	6	2	95	0.00	0.0	1.011	0.048	6	2	1	1
PL.69611	PL.69216	C	#4 ACSR	7.48Y	124.7	0.00	0.30	0.76	1	5	1	98	0.00	0.0	0.907	0.005	0	0	0	1
PD.10424	PL.69611	C	65T	7.48Y	124.7	0.00	0.30	0.76	0	5	1	98	0.00	0.0	0.907	0.005	0	0	0	1
PL.69612	PD.10424	C	#4 ACSR	7.48Y	124.7	0.00	0.30	0.76	1	5	1	98	0.00	0.0	0.975	0.068	5	1	1	1
PL.69218	PL.69216	ABC	336 MCM AC	7.48Y	124.7	0.04	0.34	42.88	8	929	253	96	0.18	0.0	1.015	0.113	1	0	1	257
PL.69519	PL.69218	ABC	336 MCM AC	7.48Y	124.7	0.01	0.35	39.33	8	851	232	96	0.03	0.0	1.041	0.026	4	1	3	236
PL.69520	PL.69519	ABC	336 MCM AC	7.48Y	124.6	0.01	0.36	39.12	8	847	231	96	0.06	0.0	1.087	0.046	19	5	5	233
PL.69516	PL.69520	ABC	336 MCM AC	7.48Y	124.6	0.01	0.37	38.26	7	828	226	96	0.05	0.0	1.127	0.039	0	0	1	228
PL.69514	PL.69516	ABC	336 MCM AC	7.48Y	124.6	0.01	0.38	38.26	7	828	226	96	0.04	0.0	1.158	0.031	10	3	2	227
PL.69515	PL.69514	ABC	336 MCM AC	7.48Y	124.6	0.01	0.39	37.81	7	818	223	96	0.05	0.0	1.204	0.046	19	5	9	225
PL.69509	PL.69515	ABC	336 MCM AC	7.48Y	124.6	0.02	0.41	36.93	7	799	218	96	0.07	0.0	1.262	0.058	6	1	2	216
PL.69508	PL.69509	ABC	336 MCM AC	7.48Y	124.6	0.01	0.41	36.67	7	793	216	96	0.03	0.0	1.290	0.028	14	4	6	214
PL.69595	PL.69508	C	#4 ACSR	7.48Y	124.6	0.00	0.41	0.83	1	6	2	95	0.00	0.0	1.295	0.005	0	0	0	1
PD.10416	PL.69595	C	65T	7.48Y	124.6	0.00	0.41	0.83	0	6	2	95	0.00	0.0	1.295	0.005	0	0	0	1
PL.69596	PD.10416	C	#4 ACSR	7.48Y	124.6	0.00	0.42	0.83	1	6	2	95	0.00	0.0	1.319	0.024	6	2	1	1
PL.69501	PL.69508	ABC	336 MCM AC	7.47Y	124.6	0.02	0.43	35.74	7	773	211	96	0.08	0.0	1.366	0.076	9	2	2	207
PL.69502	PL.69501	ABC	336 MCM AC	7.47Y	124.6	0.01	0.45	35.34	7	764	209	96	0.04	0.0	1.408	0.042	0	0	0	205
PL.69418	PL.69502	ABC	336 MCM AC	7.47Y	124.5	0.04	0.49	35.34	7	764	208	96	0.16	0.0	1.561	0.153	0	0	0	205
PL.69261	PL.69418	ABC	336 MCM AC	7.47Y	124.5	0.03	0.52	35.34	7	764	208	96	0.13	0.0	1.687	0.126	0	0	0	205
PL.69221	PL.69261	ABC	336 MCM AC	7.47Y	124.5	0.02	0.54	35.17	7	760	207	96	0.08	0.0	1.761	0.074	0	0	0	204
PL.69104	PL.69221	ABC	336 MCM AC	7.47Y	124.4	0.04	0.57	35.17	7	760	207	96	0.15	0.0	1.902	0.141	0	0	0	204
PL.69262	PL.69104	ABC	336 MCM AC	7.46Y	124.4	0.03	0.61	35.17	7	760	206	97	0.13	0.0	2.027	0.125	0	0	0	204
PL.69498	PL.69262	ABC	336 MCM AC	7.46Y	124.4	0.02	0.63	35.16	7	760	206	97	0.08	0.0	2.101	0.074	8	2	2	202
PL.69499	PL.69498	ABC	336 MCM AC	7.46Y	124.4	0.01	0.63	34.78	7	752	204	97	0.03	0.0	2.132	0.031	0	0	1	200
PL.69500	PL.69499	ABC	336 MCM AC	7.46Y	124.4	0.01	0.65	34.78	7	752	203	97	0.05	0.0	2.182	0.050	0	0	0	199
PL.69495	PL.69500	ABC	336 MCM AC	7.46Y	124.3	0.02	0.67	32.26	6	697	189	97	0.09	0.0	2.280	0.098	5	1	1	180
PL.69496	PL.69495	ABC	336 MCM AC	7.46Y	124.3	0.04	0.71	32.02	6	692	187	97	0.13	0.0	2.432	0.153	26	7	2	179
PL.69483	PL.69496	ABC	336 MCM AC	7.46Y	124.3	0.01	0.71	30.81	6	665	180	97	0.03	0.0	2.464	0.032	0	0	0	177
PL.69479	PL.69483	ABC	#1/0 ACSR	7.46Y	124.3	0.00	0.71	2.15	1	46	12	97	0.00	0.0	2.525	0.061	5	1	1	8
PL.69480	PL.69479	ABC	#1/0 ACSR	7.46Y	124.3	0.00	0.72	1.90	1	41	11	97	0.00	0.0	2.658	0.133	0	0	0	7

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Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.69227	PL.69480	ABC	#1/0 ACSR	7.46Y	124.3	0.00	0.72	1.61	1	35	9	97	0.00	0.0	2.769	0.111	0	0	0	6
PL.69124	PL.69227	ABC	#1/0 ACSR	7.46Y	124.3	0.00	0.72	1.10	0	24	6	97	0.00	0.0	2.906	0.137	0	0	0	4
PL.69273	PL.69124	ABC	#1/0 ACSR	7.46Y	124.3	0.00	0.73	1.10	0	24	6	97	0.00	0.0	3.058	0.152	9	2	2	4
PL.69465	PL.69273	ABC	#1/0 ACSR	7.46Y	124.3	0.00	0.73	0.00	0	0	0	100	0.00	0.0	3.103	0.045	0	0	0	0
PL.69466	PL.69465	ABC	#1/0 ACSR	7.46Y	124.3	0.00	0.73	0.00	0	0	0	100	0.00	0.0	3.165	0.062	0	0	0	0
PD.4145-B	PL.69466	ABC	Open	7.46Y	124.3	0.00	0.73	0.00	0	0	0	100	0.00	0.0	3.165	0.062	0	0	0	0
PL.69125	PL.69273	A	#4 ACSR	7.46Y	124.3	0.00	0.73	2.00	2	14	4	96	0.00	0.0	3.062	0.004	0	0	0	2
PD.10392	PL.69125	A	25T	7.46Y	124.3	0.00	0.73	2.00	0	14	4	96	0.00	0.0	3.062	0.004	0	0	0	2
PL.69228	PD.10392	A	#4 ACSR	7.46Y	124.3	0.00	0.73	1.05	1	8	2	97	0.00	0.0	3.113	0.051	8	2	1	1
PL.69414	PD.10392	A	6 A (CWC)	7.46Y	124.3	0.00	0.73	0.95	1	7	2	96	0.00	0.0	3.121	0.059	7	2	1	1
PL.69626	PL.69227	B	6 A (CWC)	7.46Y	124.3	0.00	0.72	1.52	1	11	3	96	0.00	0.0	2.774	0.005	0	0	0	2
PD.10431	PL.69626	B	65T	7.46Y	124.3	0.00	0.72	1.52	0	11	3	96	0.00	0.0	2.774	0.005	0	0	0	2
PL.69625	PD.10431	B	6 A (CWC)	7.46Y	124.3	0.00	0.72	1.52	1	11	3	96	0.00	0.0	2.812	0.038	11	3	2	2
PL.69575	PL.69480	A	6 A (CWC)	7.46Y	124.3	0.00	0.72	0.86	1	6	2	95	0.00	0.0	2.663	0.005	0	0	0	1
PD.10402	PL.69575	A	50T	7.46Y	124.3	0.00	0.72	0.86	0	6	2	95	0.00	0.0	2.663	0.005	0	0	0	1
PL.69576	PD.10402	A	6 A (CWC)	7.46Y	124.3	0.00	0.72	0.86	1	6	2	95	0.00	0.0	2.731	0.068	0	0	0	1
PL.69123	PL.69576	A	#1/0 ACSR	7.46Y	124.3	0.00	0.72	0.86	0	6	2	95	0.00	0.0	2.768	0.037	6	2	1	1
PL.69631	PL.69483	ABC	336 MCM AC	7.46Y	124.3	0.00	0.72	28.67	6	619	168	97	0.01	0.0	2.483	0.019	0	0	0	169
PD.10434-A	PL.69631	ABC	Closed	7.46Y	124.3	0.00	0.72	28.67	0	619	168	97	0.00	0.0	2.483	0.019	0	0	0	169
PD.10434-B	PD.10434-A	ABC	Closed	7.46Y	124.3	0.00	0.72	28.67	0	619	168	97	0.00	0.0	2.483	0.019	0	0	0	169
PL.69632	PD.10434-B	ABC	336 MCM AC	7.46Y	124.3	0.00	0.72	28.67	6	619	168	97	0.01	0.0	2.501	0.018	0	0	0	169
PL.69579	PL.69632	C	#1/0 ACSR	7.46Y	124.3	0.00	0.72	0.97	0	7	2	96	0.00	0.0	2.505	0.004	0	0	0	1
PD.10404	PL.69579	C	10T	7.46Y	124.3	0.00	0.72	0.97	0	7	2	96	0.00	0.0	2.505	0.004	0	0	0	1
PL.69580	PD.10404	C	#1/0 ACSR	7.46Y	124.3	0.00	0.72	0.97	0	7	2	96	0.00	0.0	2.570	0.064	7	2	1	1
PL.69229	PL.69632	ABC	336 MCM AC	7.46Y	124.3	0.02	0.74	28.34	5	612	166	97	0.07	0.0	2.609	0.107	0	0	0	168
PL.69126	PL.69229	C	#1/0 ACSR	7.45Y	124.2	0.02	0.76	11.95	5	86	23	97	0.01	0.0	2.670	0.061	0	0	0	21
PL.69637	PL.69126	C	#1/0 ACSR	7.45Y	124.2	0.00	0.76	11.95	5	86	23	97	0.00	0.0	2.673	0.003	0	0	0	21
PD.10437	PL.69637	C	35L	7.45Y	124.2	0.00	0.76	11.95	34	86	23	97	0.00	0.0	2.673	0.003	0	0	0	21
PL.69638	PD.10437	C	#1/0 ACSR	7.45Y	124.2	0.03	0.79	11.95	5	86	23	97	0.02	0.0	2.785	0.112	0	0	0	21
PL.69352	PL.69638	C	#1/0 ACSR	7.45Y	124.2	0.03	0.82	11.95	5	86	23	97	0.02	0.0	2.899	0.114	0	0	0	21
PL.69353	PL.69352	C	#1/0 ACSR	7.45Y	124.1	0.03	0.86	11.95	5	86	23	97	0.02	0.0	3.022	0.123	0	0	0	21

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: Tyner

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

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

PL.69354	PL.69353	C	#1/0 ACSR	7.45Y	124.1	0.02	0.87	11.95	5	86	23	97	0.01	0.0	3.089	0.067	0	0	0	21
PL.69231	PL.69354	C	#1/0 ACSR	7.44Y	124.1	0.04	0.92	11.95	5	86	23	97	0.02	0.0	3.246	0.157	0	0	0	20
PL.69128	PL.69231	C	#1/0 ACSR	7.44Y	124.1	0.01	0.93	11.95	5	86	23	97	0.01	0.0	3.281	0.035	0	0	0	20
PL.69129	PL.69128	C	#1/0 ACSR	7.44Y	124.1	0.00	0.93	1.11	0	8	2	97	0.00	0.0	3.328	0.047	8	2	2	2
PL.69232	PL.69128	C	#1/0 ACSR	7.44Y	124.0	0.03	0.95	10.84	5	78	21	97	0.01	0.0	3.387	0.106	6	1	2	18
PL.69233	PL.69232	C	#1/0 ACSR	7.44Y	124.0	0.02	0.97	6.45	3	46	12	97	0.01	0.0	3.501	0.114	0	0	0	10
PL.69489	PL.69233	C	#1/0 ACSR	7.44Y	124.0	0.02	0.99	6.45	3	46	12	97	0.01	0.0	3.646	0.146	2	0	1	10
PL.69490	PL.69489	C	#1/0 ACSR	7.44Y	124.0	0.02	1.01	6.19	3	45	12	97	0.00	0.0	3.754	0.108	0	0	0	9
PL.69355	PL.69490	C	#1/0 ACSR	7.44Y	124.0	0.01	1.02	6.19	3	45	12	97	0.00	0.0	3.851	0.097	0	0	0	9
PL.69583	PL.69355	C	#1/0 ACSR	7.44Y	124.0	0.00	1.02	0.81	0	6	2	95	0.00	0.0	3.856	0.005	0	0	0	1
PD.10410	PL.69583	C	10T	7.44Y	124.0	0.00	1.02	0.81	0	6	2	95	0.00	0.0	3.856	0.005	0	0	0	1
PL.69584	PD.10410	C	#1/0 ACSR	7.44Y	124.0	0.00	1.02	0.81	0	6	2	95	0.00	0.0	3.883	0.028	6	2	1	1
PL.69234	PL.69355	C	#1/0 ACSR	7.44Y	124.0	0.01	1.03	5.39	2	39	10	97	0.00	0.0	3.929	0.078	3	1	1	8
PL.69130	PL.69234	C	#1/0 ACSR	7.44Y	124.0	0.02	1.05	5.01	2	36	10	96	0.00	0.0	4.063	0.135	0	0	0	7
PL.69491	PL.69130	C	#1/0 ACSR	7.44Y	123.9	0.01	1.05	5.01	2	36	10	96	0.00	0.0	4.143	0.080	3	1	1	7
PL.69492	PL.69491	C	#1/0 ACSR	7.44Y	123.9	0.01	1.06	4.64	2	33	9	96	0.00	0.0	4.207	0.064	0	0	0	6
PL.69587	PL.69492	C	#1/0 ACSR	7.44Y	123.9	0.00	1.06	1.83	1	13	3	97	0.00	0.0	4.212	0.005	0	0	0	3
PD.10412	PL.69587	C	15T	7.44Y	123.9	0.00	1.06	1.83	0	13	3	97	0.00	0.0	4.212	0.005	0	0	0	3
PL.69588	PD.10412	C	#1/0 ACSR	7.44Y	123.9	0.00	1.06	1.83	1	13	3	97	0.00	0.0	4.280	0.068	1	0	1	3
PL.69133	PL.69588	C	#1/0 ACSR	7.44Y	123.9	0.00	1.07	1.66	1	12	3	97	0.00	0.0	4.409	0.129	0	0	0	2
PL.69134	PL.69133	C	#1/0 ACSR	7.44Y	123.9	0.00	1.07	1.66	1	12	3	97	0.00	0.0	4.511	0.102	7	2	1	2
PL.69493	PL.69134	C	#4 ACSR	7.44Y	123.9	0.00	1.07	0.76	1	5	1	98	0.00	0.0	4.548	0.037	0	0	0	1
PL.69494	PL.69493	C	#4 ACSR	7.44Y	123.9	0.00	1.08	0.76	1	5	1	98	0.00	0.0	4.730	0.182	5	1	1	1
PL.69131	PL.69492	C	#1/0 ACSR	7.44Y	123.9	0.00	1.06	2.81	1	20	5	97	0.00	0.0	4.263	0.056	0	0	0	3
PL.69135	PL.69131	C	#4 ACSR	7.44Y	123.9	0.00	1.07	0.96	1	7	2	96	0.00	0.0	4.334	0.071	7	2	1	1
PL.69585	PL.69135	C	#1/0 ACSR	7.44Y	123.9	0.00	1.07	0.00	0	0	0	100	0.00	0.0	4.339	0.005	0	0	0	0
PD.10411	PL.69585	C	15T	7.44Y	123.9	0.00	1.07	0.00	0	0	0	100	0.00	0.0	4.339	0.005	0	0	0	0
PL.69586	PD.10411	C	#1/0 ACSR	7.44Y	123.9	0.00	1.07	0.00	0	0	0	100	0.00	0.0	4.443	0.104	0	0	0	0
PL.69132	PL.69131	C	#2 ACSR	7.44Y	123.9	0.00	1.06	0.00	0	0	0	100	0.00	0.0	4.314	0.050	0	0	0	0
PL.69525	PL.69131	C	#1/0 ACSR	7.44Y	123.9	0.00	1.06	1.85	1	13	4	96	0.00	0.0	4.276	0.013	3	1	1	2
PL.69526	PL.69525	C	#1/0 ACSR	7.44Y	123.9	0.00	1.07	1.49	1	11	3	96	0.00	0.0	4.434	0.158	11	3	1	1

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Balanced Voltage Drop Report
Source: Tyner

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

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

PL.69581	PL.69232	C	6 A (CWC)	7.44Y	124.0	0.00	0.95	3.60	3	26	7	97	0.00	0.0	3.391	0.004	0	0	0	6
PD.10409	PL.69581	C	20T	7.44Y	124.0	0.00	0.95	3.60	0	26	7	97	0.00	0.0	3.391	0.004	0	0	0	6
PL.69582	PD.10409	C	6 A (CWC)	7.44Y	124.0	0.02	0.97	3.60	3	26	7	97	0.00	0.0	3.501	0.109	6	2	1	6
PL.69488	PL.69582	C	6 A (CWC)	7.44Y	124.0	0.02	0.99	2.79	2	20	5	97	0.00	0.0	3.630	0.129	0	0	0	5
PL.69486	PL.69488	C	6 A (CWC)	7.44Y	124.0	0.01	1.00	2.79	2	20	5	97	0.00	0.0	3.747	0.117	6	1	2	5
PL.69487	PL.69486	C	6 A (CWC)	7.44Y	124.0	0.01	1.01	2.02	1	14	4	96	0.00	0.0	3.901	0.154	0	0	0	3
PL.69484	PL.69487	C	6 A (CWC)	7.44Y	124.0	0.00	1.02	2.02	1	14	4	96	0.00	0.0	3.970	0.069	8	2	2	3
PL.69485	PL.69484	C	6 A (CWC)	7.44Y	124.0	0.00	1.02	0.92	1	7	2	96	0.00	0.0	4.096	0.127	7	2	1	1
PL.69127	PL.69354	C	#1/0 ACSR	7.45Y	124.1	0.00	0.87	0.00	0	0	0	100	0.00	0.0	3.156	0.066	0	0	1	1
PL.69230	PL.69229	ABC	336 MCM AC	7.45Y	124.2	0.03	0.77	24.36	5	526	143	96	0.08	0.0	2.777	0.169	0	0	0	147
PL.69481	PL.69230	ABC	336 MCM AC	7.45Y	124.2	0.01	0.78	24.36	5	526	143	96	0.03	0.0	2.834	0.057	0	0	0	147
PL.69482	PL.69481	ABC	336 MCM AC	7.45Y	124.2	0.01	0.79	24.36	5	526	143	96	0.02	0.0	2.883	0.049	0	0	0	147
PL.69416	PL.69482	ABC	336 MCM AC	7.45Y	124.2	0.03	0.82	24.08	5	520	141	97	0.07	0.0	3.025	0.142	0	0	0	145
PL.69356	PL.69416	ABC	336 MCM AC	7.45Y	124.2	0.02	0.84	24.08	5	520	141	97	0.06	0.0	3.145	0.120	7	2	2	145
PL.69573	PL.69356	C	#4 ACSR	7.45Y	124.2	0.00	0.84	1.44	1	10	3	96	0.00	0.0	3.150	0.005	0	0	0	2
PD.10401	PL.69573	C	40T	7.45Y	124.2	0.00	0.84	1.44	0	10	3	96	0.00	0.0	3.150	0.005	0	0	0	2
PL.69574	PD.10401	C	#4 ACSR	7.45Y	124.2	0.01	0.85	1.44	1	10	3	96	0.00	0.0	3.270	0.121	0	0	0	2
PL.69137	PL.69574	C	#4 ACSR	7.45Y	124.2	0.00	0.85	1.44	1	10	3	96	0.00	0.0	3.342	0.071	10	3	2	2
PL.69138	PL.69137	C	#2 ACSR	7.45Y	124.2	0.00	0.85	0.00	0	0	0	100	0.00	0.0	3.412	0.070	0	0	0	0
PL.69235	PL.69356	ABC	336 MCM AC	7.45Y	124.2	0.01	0.85	23.30	4	503	136	97	0.02	0.0	3.194	0.049	0	0	0	141
PL.69647	PL.69235	ABC	336 MCM AC	7.45Y	124.2	0.00	0.85	23.30	4	503	136	97	0.00	0.0	3.197	0.003	0	0	0	141
PD.10442	PL.69647	ABC	70L	7.45Y	124.2	0.00	0.85	23.30	33	503	136	97	0.00	0.0	3.197	0.003	0	0	0	141
PL.69648	PD.10442	ABC	336 MCM AC	7.45Y	124.1	0.01	0.85	23.30	4	503	136	97	0.02	0.0	3.236	0.039	6	1	1	141
PL.69571	PL.69648	C	#1/0 ACSR	7.45Y	124.1	0.00	0.85	0.00	0	0	0	100	0.00	0.0	3.240	0.005	0	0	0	0
PD.10400	PL.69571	C	30T	7.45Y	124.1	0.00	0.85	0.00	0	0	0	100	0.00	0.0	3.240	0.005	0	0	0	0
PL.69572	PD.10400	C	#1/0 ACSR	7.45Y	124.1	0.00	0.85	0.00	0	0	0	100	0.00	0.0	3.295	0.055	0	0	0	0
PL.69136	PL.69572	C	#1/0 ACSR	7.45Y	124.1	0.00	0.85	0.00	0	0	0	100	0.00	0.0	3.402	0.107	0	0	0	0
PL.69357	PL.69136	C	#1/0 ACSR	7.45Y	124.1	0.00	0.85	0.00	0	0	0	100	0.00	0.0	3.497	0.095	0	0	0	0
PL.69475	PL.69357	C	#1/0 ACSR	7.45Y	124.1	0.00	0.85	0.00	0	0	0	100	0.00	0.0	3.553	0.056	0	0	0	0
PL.69476	PL.69475	C	#1/0 ACSR	7.45Y	124.1	0.00	0.85	0.00	0	0	0	100	0.00	0.0	3.579	0.026	0	0	0	0
PL.69139	PL.69648	ABC	336 MCM AC	7.45Y	124.1	0.03	0.88	23.04	4	497	135	97	0.07	0.0	3.387	0.152	0	0	0	140

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Balanced Voltage Drop Report
Source: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.69569	PL.69139	B	#4 ACSR	7.45Y	124.1	0.00	0.88	1.13	1	8	2	97	0.00	0.0	3.392	0.005	0	0	0	4
PD.10399	PL.69569	B	40T	7.45Y	124.1	0.00	0.88	1.13	0	8	2	97	0.00	0.0	3.392	0.005	0	0	0	4
PL.69570	PD.10399	B	#4 ACSR	7.45Y	124.1	0.00	0.88	1.13	1	8	2	97	0.00	0.0	3.448	0.056	3	1	1	4
PL.69140	PL.69570	B	#4 ACSR	7.45Y	124.1	0.00	0.88	0.03	0	0	0	100	0.00	0.0	3.518	0.070	0	0	1	1
PL.69477	PL.69570	B	#4 ACSR	7.45Y	124.1	0.00	0.88	0.73	1	5	1	98	0.00	0.0	3.467	0.019	5	1	2	2
PL.69478	PL.69477	B	#4 ACSR	7.45Y	124.1	0.00	0.88	0.00	0	0	0	100	0.00	0.0	3.500	0.033	0	0	0	0
PL.69236	PL.69139	ABC	336 MCM AC	7.45Y	124.1	0.02	0.90	22.66	4	489	132	97	0.06	0.0	3.525	0.138	0	0	0	136
PL.69237	PL.69236	ABC	336 MCM AC	7.44Y	124.1	0.02	0.92	22.08	4	476	129	97	0.06	0.0	3.661	0.136	0	0	1	129
PL.69143	PL.69237	ABC	336 MCM AC	7.44Y	124.1	0.01	0.94	22.08	4	476	129	97	0.03	0.0	3.729	0.068	0	0	0	128
PL.69565	PL.69143	A	#1/0 ACSR	7.44Y	124.1	0.00	0.94	0.39	0	3	1	95	0.00	0.0	3.734	0.005	0	0	0	1
PD.10397	PL.69565	A	30T	7.44Y	124.1	0.00	0.94	0.39	0	3	1	95	0.00	0.0	3.734	0.005	0	0	0	1
PL.69566	PD.10397	A	#1/0 ACSR	7.44Y	124.1	0.00	0.94	0.39	0	3	1	95	0.00	0.0	3.791	0.057	3	1	1	1
PL.69145	PL.69143	ABC	336 MCM AC	7.44Y	124.1	0.00	0.94	21.20	4	457	124	97	0.01	0.0	3.759	0.030	0	0	0	119
PL.69239	PL.69145	ABC	336 MCM AC	7.44Y	124.1	0.01	0.95	21.20	4	457	124	97	0.02	0.0	3.809	0.049	0	0	0	119
PL.69153	PL.69239	ABC	336 MCM AC	7.44Y	124.0	0.00	0.95	21.20	4	457	124	97	0.01	0.0	3.836	0.027	0	0	0	119
PL.69240	PL.69153	ABC	336 MCM AC	7.44Y	124.0	0.01	0.97	21.17	4	456	123	97	0.03	0.0	3.924	0.088	0	0	0	118
PL.69361	PL.69240	ABC	336 MCM AC	7.44Y	124.0	0.02	0.99	21.17	4	456	123	97	0.05	0.0	4.047	0.123	0	0	0	118
PL.69362	PL.69361	ABC	336 MCM AC	7.44Y	124.0	0.02	1.00	21.17	4	456	123	97	0.04	0.0	4.164	0.116	0	0	0	118
PL.69469	PL.69362	ABC	336 MCM AC	7.44Y	124.0	0.01	1.01	21.17	4	456	123	97	0.01	0.0	4.196	0.032	8	2	1	118
PL.69470	PL.69469	ABC	336 MCM AC	7.44Y	124.0	0.02	1.02	20.82	4	449	121	97	0.04	0.0	4.296	0.100	0	0	0	117
PL.69241	PL.69470	ABC	336 MCM AC	7.44Y	124.0	0.01	1.03	20.57	4	443	119	97	0.02	0.0	4.348	0.052	0	0	0	116
PL.69242	PL.69241	ABC	336 MCM AC	7.44Y	124.0	0.01	1.04	20.30	4	437	118	97	0.02	0.0	4.401	0.053	0	0	0	115
PL.69557	PL.69242	C	#4 ACSR	7.44Y	124.0	0.00	1.04	0.73	1	5	1	98	0.00	0.0	4.405	0.004	0	0	0	1
PD.10393	PL.69557	C	40T	7.44Y	124.0	0.00	1.04	0.73	0	5	1	98	0.00	0.0	4.405	0.004	0	0	0	1
PL.69558	PD.10393	C	#4 ACSR	7.44Y	124.0	0.00	1.04	0.73	1	5	1	98	0.00	0.0	4.455	0.050	5	1	1	1
PL.69243	PL.69242	ABC	336 MCM AC	7.44Y	123.9	0.02	1.06	20.06	4	432	116	97	0.04	0.0	4.510	0.109	0	0	0	114
PL.69363	PL.69243	ABC	336 MCM AC	7.44Y	123.9	0.02	1.07	20.06	4	432	116	97	0.04	0.0	4.618	0.108	0	0	0	114
PL.69364	PL.69363	ABC	336 MCM AC	7.43Y	123.9	0.03	1.10	20.06	4	432	116	97	0.06	0.0	4.790	0.173	0	0	0	114
PL.69158	PL.69364	C	#1/0 ACSR	7.43Y	123.9	0.00	1.10	0.56	0	4	1	97	0.00	0.0	4.794	0.004	0	0	0	2
PD.10391	PL.69158	C	40T	7.43Y	123.9	0.00	1.10	0.56	0	4	1	97	0.00	0.0	4.794	0.004	0	0	0	2
PL.69245	PD.10391	C	#1/0 ACSR	7.43Y	123.9	0.00	1.10	0.00	0	0	0	100	0.00	0.0	4.813	0.018	0	0	1	1

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Balanced Voltage Drop Report
Source: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.69415	PD.10391	C	#1/0 ACSR	7.43Y	123.9	0.00	1.10	0.56	0	4	1	97	0.00	0.0	4.840	0.045	4	1	1	1
PL.69244	PL.69364	ABC	336 MCM AC	7.43Y	123.9	0.02	1.11	19.87	4	428	115	97	0.04	0.0	4.904	0.113	0	0	0	112
PL.69365	PL.69244	ABC	336 MCM AC	7.43Y	123.9	0.01	1.13	19.87	4	428	115	97	0.03	0.0	5.000	0.097	0	0	0	112
PL.69366	PL.69365	ABC	336 MCM AC	7.43Y	123.9	0.01	1.14	19.87	4	428	115	97	0.03	0.0	5.093	0.092	0	0	0	112
PL.69367	PL.69366	ABC	336 MCM AC	7.43Y	123.8	0.03	1.17	19.87	4	428	115	97	0.06	0.0	5.266	0.174	0	0	0	112
PL.69555	PL.69367	B	6 A (CWC)	7.43Y	123.8	0.00	1.17	8.54	6	61	16	97	0.00	0.0	5.270	0.004	0	0	0	9
PD.10390	PL.69555	B	30T	7.43Y	123.8	0.00	1.17	8.54	0	61	16	97	0.00	0.0	5.270	0.004	0	0	0	9
PL.69556	PD.10390	B	6 A (CWC)	7.43Y	123.8	0.07	1.24	8.54	6	61	16	97	0.03	0.1	5.448	0.177	0	0	0	9
PL.69368	PL.69556	B	6 A (CWC)	7.42Y	123.7	0.07	1.30	8.54	6	61	16	97	0.03	0.0	5.620	0.173	0	0	0	9
PL.69615	PL.69368	B	6 A (CWC)	7.42Y	123.7	0.00	1.30	0.89	1	6	2	95	0.00	0.0	5.625	0.005	0	0	0	1
PD.10426	PL.69615	B	20T	7.42Y	123.7	0.00	1.30	0.89	0	6	2	95	0.00	0.0	5.625	0.005	0	0	0	1
PL.69616	PD.10426	B	6 A (CWC)	7.42Y	123.7	0.00	1.31	0.89	1	6	2	95	0.00	0.0	5.739	0.113	6	2	1	1
PL.69160	PL.69368	B	6 A (CWC)	7.42Y	123.7	0.02	1.33	5.63	4	40	11	96	0.01	0.0	5.716	0.095	0	0	0	5
PL.69247	PL.69160	B	6 A (CWC)	7.42Y	123.6	0.02	1.35	2.85	2	20	5	97	0.00	0.0	5.893	0.177	0	0	0	2
PL.69370	PL.69247	B	6 A (CWC)	7.42Y	123.6	0.01	1.36	2.85	2	20	5	97	0.00	0.0	5.973	0.080	0	0	0	2
PL.69165	PL.69370	B	6 A (CWC)	7.42Y	123.6	0.01	1.37	2.85	2	20	5	97	0.00	0.0	6.061	0.088	0	0	0	2
PL.69408	PL.69165	B	6 A (CWC)	7.42Y	123.6	0.01	1.39	2.85	2	20	5	97	0.00	0.0	6.164	0.103	0	0	0	2
PL.69371	PL.69408	B	6 A (CWC)	7.42Y	123.6	0.01	1.39	2.85	2	20	5	97	0.00	0.0	6.267	0.103	20	5	2	2
PL.69458	PL.69160	B	6 A (CWC)	7.42Y	123.7	0.01	1.34	2.78	2	20	5	97	0.00	0.0	5.814	0.098	11	3	1	3
PL.69459	PL.69458	B	6 A (CWC)	7.42Y	123.7	0.01	1.34	1.29	1	9	2	98	0.00	0.0	5.915	0.101	1	0	1	2
PL.69445	PL.69459	B	6 A (CWC)	7.42Y	123.7	0.00	1.35	1.18	1	8	2	97	0.00	0.0	5.990	0.074	0	0	0	1
PL.67775	PL.69445	B	6 A (CWC)	7.42Y	123.7	0.00	1.35	0.00	0	0	0	100	0.00	0.0	6.135	0.145	0	0	0	0
PL.67776	PL.67775	B	6 A (CWC)	7.42Y	123.7	0.00	1.35	0.00	0	0	0	100	0.00	0.0	6.240	0.105	0	0	0	0
PL.69369	PL.67776	B	6 A (CWC)	7.42Y	123.7	0.00	1.35	0.00	0	0	0	100	0.00	0.0	6.339	0.099	0	0	0	0
PL.69163	PL.69445	B	#1/0 ACSR	7.42Y	123.7	0.00	1.35	1.18	1	8	2	97	0.00	0.0	6.009	0.019	8	2	1	1
PL.69553	PL.69368	B	6 A (CWC)	7.42Y	123.7	0.00	1.31	2.02	1	14	4	96	0.00	0.0	5.625	0.005	0	0	0	3
PD.10389	PL.69553	B	20T	7.42Y	123.7	0.00	1.31	2.02	0	14	4	96	0.00	0.0	5.625	0.005	0	0	0	3
PL.69554	PD.10389	B	6 A (CWC)	7.42Y	123.7	0.01	1.31	2.02	1	14	4	96	0.00	0.0	5.699	0.073	0	0	0	3
PL.69162	PL.69554	B	#4 ACSR	7.42Y	123.7	0.00	1.31	0.79	1	6	2	95	0.00	0.0	5.795	0.097	6	2	1	1
PL.69161	PL.69554	B	#4 ACSR	7.42Y	123.7	0.00	1.31	1.23	1	9	2	98	0.00	0.0	5.745	0.047	9	2	2	2
PL.69246	PL.69367	ABC	336 MCM AC	7.43Y	123.8	0.01	1.18	17.03	3	366	99	97	0.03	0.0	5.380	0.114	0	0	0	103

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Balanced Voltage Drop Report
Source: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.69372	PL.69246	ABC	336 MCM AC	7.43Y	123.8	0.02	1.20	17.03	3	366	98	97	0.03	0.0	5.503	0.123	0	0	0	103
PL.69373	PL.69372	ABC	336 MCM AC	7.43Y	123.8	0.02	1.21	17.03	3	366	98	97	0.03	0.0	5.627	0.123	0	0	0	103
PL.69159	PL.69373	ABC	336 MCM AC	7.43Y	123.8	0.00	1.22	17.03	3	366	98	97	0.01	0.0	5.665	0.039	0	0	0	103
PL.69613	PL.69159	B	6 A (CWC)	7.43Y	123.8	0.00	1.22	2.84	2	20	5	97	0.00	0.0	5.670	0.004	0	0	0	3
PD.10425	PL.69613	B	40T	7.43Y	123.8	0.00	1.22	2.84	0	20	5	97	0.00	0.0	5.670	0.004	0	0	0	3
PL.69614	PD.10425	B	6 A (CWC)	7.43Y	123.8	0.00	1.22	2.84	2	20	5	97	0.00	0.0	5.708	0.039	2	1	1	3
PL.69464	PL.69614	B	6 A (CWC)	7.43Y	123.8	0.01	1.23	2.55	2	18	5	96	0.00	0.0	5.840	0.132	18	5	2	2
PL.69462	PL.69159	ABC	336 MCM AC	7.43Y	123.8	0.01	1.23	16.08	3	346	93	97	0.02	0.0	5.755	0.089	1	0	1	100
PL.69463	PL.69462	ABC	336 MCM AC	7.43Y	123.8	0.01	1.24	16.05	3	345	93	97	0.02	0.0	5.841	0.086	7	2	2	99
PL.69444	PL.69463	ABC	336 MCM AC	7.43Y	123.8	0.01	1.25	15.74	3	339	91	97	0.02	0.0	5.922	0.081	0	0	0	97
PL.69374	PL.69444	ABC	336 MCM AC	7.42Y	123.7	0.01	1.26	15.74	3	339	91	97	0.02	0.0	6.029	0.107	0	0	0	97
PL.69375	PL.69374	ABC	336 MCM AC	7.42Y	123.7	0.01	1.27	15.74	3	339	91	97	0.02	0.0	6.136	0.107	0	0	0	97
PL.69166	PL.69375	ABC	336 MCM AC	7.42Y	123.7	0.01	1.28	15.74	3	339	91	97	0.01	0.0	6.200	0.064	0	0	0	97
PL.67777	PL.69166	ABC	336 MCM AC	7.42Y	123.7	0.00	1.28	14.93	3	321	86	97	0.00	0.0	6.224	0.024	0	0	0	90
PL.69633	PL.67777	ABC	336 MCM AC	7.42Y	123.7	0.00	1.28	14.93	3	321	86	97	0.00	0.0	6.229	0.005	0	0	0	90
PD.10435-A	PL.69633	ABC	Closed	7.42Y	123.7	0.00	1.28	14.93	0	321	86	97	0.00	0.0	6.229	0.005	0	0	0	90
PD.10435-B	PD.10435-A	ABC	Closed	7.42Y	123.7	0.00	1.28	14.93	0	321	86	97	0.00	0.0	6.229	0.005	0	0	0	90
PL.69634	PD.10435-B	ABC	336 MCM AC	7.42Y	123.7	0.01	1.29	14.93	3	321	86	97	0.01	0.0	6.281	0.052	0	0	0	90
PL.69177	PL.69634	ABC	336 MCM AC	7.42Y	123.7	0.01	1.30	14.93	3	321	86	97	0.02	0.0	6.386	0.104	0	0	0	90
PL.67782	PL.69177	ABC	336 MCM AC	7.42Y	123.7	0.01	1.31	14.69	3	316	85	97	0.02	0.0	6.504	0.119	0	0	0	89
PL.69388	PL.67782	ABC	336 MCM AC	7.42Y	123.7	0.01	1.33	14.69	3	316	85	97	0.02	0.0	6.633	0.129	0	0	0	89
PL.69390	PL.69388	ABC	336 MCM AC	7.42Y	123.7	0.01	1.33	14.69	3	316	85	97	0.01	0.0	6.697	0.064	0	0	0	89
PL.69389	PL.69390	ABC	336 MCM AC	7.42Y	123.7	0.01	1.35	14.69	3	316	84	97	0.02	0.0	6.823	0.126	0	0	0	89
PL.69391	PL.69389	ABC	336 MCM AC	7.42Y	123.6	0.01	1.36	14.69	3	316	84	97	0.02	0.0	6.944	0.121	0	0	0	89
PL.69392	PL.69391	ABC	336 MCM AC	7.42Y	123.6	0.01	1.37	14.69	3	316	84	97	0.02	0.0	7.064	0.121	0	0	0	89
PL.67783	PL.69392	ABC	336 MCM AC	7.42Y	123.6	0.01	1.38	14.69	3	316	84	97	0.02	0.0	7.165	0.101	0	0	0	89
PL.69393	PL.67783	ABC	336 MCM AC	7.42Y	123.6	0.01	1.39	14.69	3	316	84	97	0.02	0.0	7.264	0.099	5	1	1	89
PL.69547	PL.69393	A	#4 ACSR	7.42Y	123.6	0.00	1.39	0.00	0	0	0	100	0.00	0.0	7.268	0.004	0	0	0	0
PD.10386	PL.69547	A	40T	7.42Y	123.6	0.00	1.39	0.00	0	0	0	100	0.00	0.0	7.268	0.004	0	0	0	0
PL.69548	PD.10386	A	#4 ACSR	7.42Y	123.6	0.00	1.39	0.00	0	0	0	100	0.00	0.0	7.304	0.036	0	0	0	0
PL.67784	PL.69393	ABC	336 MCM AC	7.42Y	123.6	0.01	1.41	14.47	3	311	83	97	0.02	0.0	7.374	0.110	0	0	0	88

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Balanced Voltage Drop Report
Source: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.69394	PL.67784	ABC	336 MCM AC	7.41Y	123.6	0.01	1.42	14.47	3	311	83	97	0.02	0.0	7.491	0.118	0	0	0	88
PL.69395	PL.69394	ABC	336 MCM AC	7.41Y	123.6	0.01	1.43	14.47	3	311	83	97	0.02	0.0	7.578	0.087	0	0	0	88
PL.69396	PL.69395	ABC	336 MCM AC	7.41Y	123.6	0.01	1.44	14.47	3	311	83	97	0.01	0.0	7.655	0.077	0	0	0	88
PL.69397	PL.69396	ABC	336 MCM AC	7.41Y	123.5	0.02	1.45	14.47	3	311	83	97	0.03	0.0	7.817	0.162	0	0	0	88
PL.69399	PL.69397	ABC	336 MCM AC	7.41Y	123.5	0.00	1.46	14.47	3	311	83	97	0.01	0.0	7.863	0.046	0	0	0	88
PL.69398	PL.69399	ABC	336 MCM AC	7.41Y	123.5	0.02	1.47	14.47	3	311	83	97	0.03	0.0	8.025	0.162	0	0	0	88
PL.69400	PL.69398	ABC	336 MCM AC	7.41Y	123.5	0.01	1.49	14.47	3	311	83	97	0.02	0.0	8.132	0.108	4	1	1	88
PL.67785	PL.69400	ABC	336 MCM AC	7.41Y	123.5	0.01	1.49	14.26	3	306	81	97	0.01	0.0	8.201	0.069	0	0	0	87
PL.69178	PL.67785	ABC	336 MCM AC	7.41Y	123.5	0.01	1.50	14.26	3	306	81	97	0.01	0.0	8.261	0.061	0	0	0	87
PL.69179	PL.69178	ABC	336 MCM AC	7.41Y	123.5	0.01	1.51	14.26	3	306	81	97	0.01	0.0	8.324	0.063	7	2	2	87
PL.69438	PL.69179	ABC	336 MCM AC	7.41Y	123.5	0.01	1.51	13.91	3	299	79	97	0.01	0.0	8.408	0.084	7	2	1	85
PL.69439	PL.69438	ABC	336 MCM AC	7.41Y	123.5	0.01	1.52	13.60	3	292	78	97	0.01	0.0	8.499	0.091	8	2	1	84
PL.69437	PL.69439	ABC	336 MCM AC	7.41Y	123.5	0.02	1.54	13.25	3	285	76	97	0.02	0.0	8.654	0.155	0	0	0	83
PL.69545	PL.69437	C	#4 ACSR	7.41Y	123.5	0.00	1.54	0.14	0	1	0	100	0.00	0.0	8.659	0.005	0	0	0	1
PD.10385	PL.69545	C	40T	7.41Y	123.5	0.00	1.54	0.14	0	1	0	100	0.00	0.0	8.659	0.005	0	0	0	1
PL.69546	PD.10385	C	#4 ACSR	7.41Y	123.5	0.00	1.54	0.14	0	1	0	100	0.00	0.0	8.714	0.055	1	0	1	1
PL.67786	PL.69437	ABC	336 MCM AC	7.41Y	123.5	0.01	1.55	13.20	3	284	75	97	0.02	0.0	8.776	0.122	5	1	2	82
PL.69430	PL.67786	ABC	336 MCM AC	7.41Y	123.4	0.01	1.56	12.50	2	269	71	97	0.01	0.0	8.854	0.077	0	0	1	76
PL.69431	PL.69430	ABC	336 MCM AC	7.41Y	123.4	0.01	1.56	12.50	2	269	71	97	0.01	0.0	8.908	0.055	0	0	0	75
PL.69432	PL.69431	ABC	336 MCM AC	7.41Y	123.4	0.00	1.57	12.29	2	264	70	97	0.01	0.0	8.964	0.056	6	2	1	72
PL.69433	PL.69432	ABC	336 MCM AC	7.41Y	123.4	0.00	1.57	12.02	2	258	68	97	0.01	0.0	9.019	0.055	0	0	1	71
PL.69541	PL.69433	A	#1/0 ACSR	7.41Y	123.4	0.00	1.57	19.22	8	138	36	97	0.00	0.0	9.023	0.005	0	0	0	24
PD.10382	PL.69541	A	30T	7.41Y	123.4	0.00	1.57	19.22	0	138	36	97	0.00	0.0	9.023	0.005	0	0	0	24
PL.69542	PD.10382	A	#1/0 ACSR	7.40Y	123.4	0.03	1.60	19.22	8	138	36	97	0.03	0.0	9.092	0.069	15	4	2	24
PL.69434	PL.69542	A	#1/0 ACSR	7.40Y	123.4	0.02	1.62	17.14	7	123	32	97	0.02	0.0	9.149	0.057	6	2	1	22
PL.69619	PL.69434	A	6 A (CWC)	7.40Y	123.4	0.00	1.62	2.81	2	20	5	97	0.00	0.0	9.153	0.004	0	0	0	5
PD.10428	PL.69619	A	20T	7.40Y	123.4	0.00	1.62	2.81	0	20	5	97	0.00	0.0	9.153	0.004	0	0	0	5
PL.69620	PD.10428	A	6 A (CWC)	7.40Y	123.4	0.01	1.63	2.81	2	20	5	97	0.00	0.0	9.225	0.072	5	1	2	5
PL.69182	PL.69620	A	#1/0 ACSR	7.40Y	123.4	0.00	1.63	1.05	0	7	2	96	0.00	0.0	9.250	0.025	7	2	1	1
PL.69249	PL.69620	A	6 A (CWC)	7.40Y	123.4	0.01	1.64	1.07	1	8	2	97	0.00	0.0	9.351	0.126	1	0	1	2
PL.69428	PL.69249	A	6 A (CWC)	7.40Y	123.4	0.00	1.64	0.93	1	7	2	96	0.00	0.0	9.476	0.125	7	2	1	1

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

Balanced Voltage Drop Report
Source: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.69429	PL.69428	A	6 A (CWC)	7.40Y	123.4	0.00	1.64	0.00	0	0	0	100	0.00	0.0	9.641	0.165	0	0	0	0
PL.69183	PL.69429	A	#1/0 ACSR	7.40Y	123.4	0.00	1.64	0.00	0	0	0	100	0.00	0.0	9.773	0.132	0	0	0	0
PL.69412	PL.69434	A	#1/0 ACSR	7.40Y	123.4	0.02	1.64	10.97	5	79	21	97	0.01	0.0	9.214	0.065	0	0	0	14
PL.69539	PL.69412	A	#1/0 ACSR	7.40Y	123.4	0.00	1.64	3.79	2	27	7	97	0.00	0.0	9.218	0.004	0	0	0	2
PD.10381	PL.69539	A	15T	7.40Y	123.4	0.00	1.64	3.79	0	27	7	97	0.00	0.0	9.218	0.004	0	0	0	2
PL.69540	PD.10381	A	#1/0 ACSR	7.40Y	123.4	0.00	1.64	3.79	2	27	7	97	0.00	0.0	9.222	0.004	27	7	2	2
PL.69413	PL.69412	A	#1/0 ACSR	7.40Y	123.4	0.01	1.65	7.18	3	51	14	96	0.00	0.0	9.257	0.043	2	0	1	12
PL.69621	PL.69413	A	#1/0 ACSR	7.40Y	123.4	0.00	1.65	1.59	1	11	3	96	0.00	0.0	9.262	0.005	0	0	0	1
PD.10429	PL.69621	A	15T	7.40Y	123.4	0.00	1.65	1.59	0	11	3	96	0.00	0.0	9.262	0.005	0	0	0	1
PL.69622	PD.10429	A	#1/0 ACSR	7.40Y	123.4	0.00	1.65	1.59	1	11	3	96	0.00	0.0	9.279	0.017	11	3	1	1
PL.69185	PL.69413	A	#1/0 ACSR	7.40Y	123.3	0.01	1.65	4.06	2	29	8	96	0.00	0.0	9.337	0.080	6	2	2	8
PL.69251	PL.69185	A	#1/0 ACSR	7.40Y	123.3	0.01	1.66	1.94	1	14	4	96	0.00	0.0	9.486	0.148	0	0	0	4
PL.69533	PL.69251	A	#1/0 ACSR	7.40Y	123.3	0.00	1.66	0.44	0	3	1	95	0.00	0.0	9.489	0.004	0	0	0	1
PD.10378	PL.69533	A	12T	7.40Y	123.3	0.00	1.66	0.44	0	3	1	95	0.00	0.0	9.489	0.004	0	0	0	1
PL.69534	PD.10378	A	#1/0 ACSR	7.40Y	123.3	0.00	1.66	0.44	0	3	1	95	0.00	0.0	9.586	0.096	3	1	1	1
PL.69426	PL.69251	A	#1/0 ACSR	7.40Y	123.3	0.00	1.66	1.50	1	11	3	96	0.00	0.0	9.552	0.066	1	0	1	3
PL.69427	PL.69426	A	#1/0 ACSR	7.40Y	123.3	0.00	1.67	1.34	1	10	3	96	0.00	0.0	9.682	0.130	0	0	0	2
PL.69252	PL.69427	A	#1/0 ACSR	7.40Y	123.3	0.00	1.67	0.87	0	6	2	95	0.00	0.0	9.774	0.092	0	0	0	1
PL.69424	PL.69252	A	#1/0 ACSR	7.40Y	123.3	0.00	1.67	0.87	0	6	2	95	0.00	0.0	9.942	0.168	6	2	1	1
PL.69425	PL.69424	A	#1/0 ACSR	7.40Y	123.3	0.00	1.67	0.00	0	0	0	100	0.00	0.0	10.062	0.120	0	0	0	0
PL.69401	PL.69425	A	#1/0 ACSR	7.40Y	123.3	0.00	1.67	0.00	0	0	0	100	0.00	0.0	10.237	0.174	0	0	0	0
PL.69402	PL.69401	A	#1/0 ACSR	7.40Y	123.3	0.00	1.67	0.00	0	0	0	100	0.00	0.0	10.335	0.098	0	0	0	0
PL.69422	PL.69402	A	#1/0 ACSR	7.40Y	123.3	0.00	1.67	0.00	0	0	0	100	0.00	0.0	10.388	0.053	0	0	0	0
PL.69423	PL.69422	A	#1/0 ACSR	7.40Y	123.3	0.00	1.67	0.00	0	0	0	100	0.00	0.0	10.523	0.135	0	0	0	0
PD.8621-B	PL.69423	A	Open	7.40Y	123.3	0.00	1.67	0.00	0	0	0	100	0.00	0.0	10.523	0.135	0	0	0	0
PL.69531	PL.69427	A	#1/0 ACSR	7.40Y	123.3	0.00	1.67	0.48	0	3	1	95	0.00	0.0	9.686	0.004	0	0	0	1
PD.10377	PL.69531	A	20T	7.40Y	123.3	0.00	1.67	0.48	0	3	1	95	0.00	0.0	9.686	0.004	0	0	0	1
PL.69532	PD.10377	A	#1/0 ACSR	7.40Y	123.3	0.00	1.67	0.48	0	3	1	95	0.00	0.0	9.786	0.100	3	1	1	1
PL.69623	PL.69185	A	#1/0 ACSR	7.40Y	123.3	0.00	1.65	1.26	1	9	2	98	0.00	0.0	9.342	0.005	0	0	0	2
PD.10430	PL.69623	A	20T	7.40Y	123.3	0.00	1.65	1.26	0	9	2	98	0.00	0.0	9.342	0.005	0	0	0	2
PL.69624	PD.10430	A	#1/0 ACSR	7.40Y	123.3	0.00	1.66	1.26	1	9	2	98	0.00	0.0	9.388	0.046	8	2	1	2

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Balanced Voltage Drop Report
Source: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.69537	PL.69624	A	#1/0 ACSR	7.40Y	123.3	0.00	1.66	0.18	0	1	0	100	0.00	0.0	9.392	0.004	0	0	0	1
PD.10380	PL.69537	A	10T	7.40Y	123.3	0.00	1.66	0.18	0	1	0	100	0.00	0.0	9.392	0.004	0	0	0	1
PL.69538	PD.10380	A	#1/0 ACSR	7.40Y	123.3	0.00	1.66	0.18	0	1	0	100	0.00	0.0	9.467	0.074	1	0	1	1
PL.69184	PL.69413	A	#1/0 ACSR	7.40Y	123.4	0.00	1.65	1.32	1	9	2	98	0.00	0.0	9.262	0.005	0	0	0	2
PD.10384	PL.69184	A	15T	7.40Y	123.4	0.00	1.65	1.32	0	9	2	98	0.00	0.0	9.262	0.005	0	0	0	2
PL.69250	PD.10384	A	#1/0 ACSR	7.40Y	123.4	0.00	1.65	1.32	1	9	2	98	0.00	0.0	9.289	0.027	9	2	2	2
PL.69543	PL.69434	A	#1/0 ACSR	7.40Y	123.4	0.00	1.62	2.50	1	18	5	96	0.00	0.0	9.153	0.004	0	0	0	2
PD.10383	PL.69543	A	20T	7.40Y	123.4	0.00	1.62	2.50	0	18	5	96	0.00	0.0	9.153	0.004	0	0	0	2
PL.69544	PD.10383	A	#1/0 ACSR	7.40Y	123.4	0.00	1.63	2.50	1	18	5	96	0.00	0.0	9.201	0.049	18	5	2	2
PL.69248	PL.69433	ABC	336 MCM AC	7.41Y	123.4	0.00	1.57	5.60	1	120	32	97	0.00	0.0	9.073	0.054	0	0	0	46
PL.69643	PL.69248	C	#1/0 ACSR	7.41Y	123.4	0.00	1.58	16.80	7	120	32	97	0.00	0.0	9.075	0.003	0	0	0	46
PD.10440	PL.69643	C	35L	7.41Y	123.4	0.00	1.58	16.80	48	120	32	97	0.00	0.0	9.075	0.003	0	0	0	46
PL.69644	PD.10440	C	#4 ACSR	7.40Y	123.4	0.02	1.59	16.80	13	120	32	97	0.01	0.0	9.097	0.021	0	0	0	46
PL.69186	PL.69644	C	6 A (CWC)	7.40Y	123.4	0.05	1.65	16.80	12	120	32	97	0.05	0.0	9.167	0.070	0	0	0	46
PL.69187	PL.69186	C	6 A (CWC)	7.39Y	123.2	0.14	1.78	16.80	12	120	32	97	0.12	0.1	9.344	0.178	0	0	0	46
PL.69188	PL.69187	C	6 A (CWC)	7.39Y	123.2	0.06	1.84	16.80	12	120	32	97	0.05	0.0	9.420	0.075	0	0	1	46
PL.69189	PL.69188	C	6 A (CWC)	7.39Y	123.1	0.05	1.89	16.76	12	120	32	97	0.05	0.0	9.488	0.069	0	0	0	45
PL.69453	PL.69189	C	6 A (CWC)	7.38Y	123.1	0.04	1.94	9.34	7	67	18	97	0.02	0.0	9.593	0.104	1	0	1	27
PL.69454	PL.69453	C	6 A (CWC)	7.38Y	123.1	0.01	1.95	9.17	7	65	17	97	0.00	0.0	9.617	0.024	7	2	2	26
PL.69257	PL.69454	C	6 A (CWC)	7.38Y	123.1	0.00	1.95	0.21	0	2	0	100	0.00	0.0	9.691	0.073	1	0	1	2
PL.69190	PL.69257	C	6 A (CWC)	7.38Y	123.1	0.00	1.95	0.01	0	0	0	100	0.00	0.0	9.854	0.163	0	0	1	1
PL.69455	PL.69454	C	6 A (CWC)	7.38Y	123.0	0.03	1.97	7.97	6	57	15	97	0.01	0.0	9.701	0.083	17	4	4	22
PL.69460	PL.69455	C	6 A (CWC)	7.38Y	123.0	0.02	1.99	5.65	4	40	11	96	0.01	0.0	9.791	0.091	5	1	3	18
PL.69461	PL.69460	C	6 A (CWC)	7.38Y	123.0	0.04	2.03	5.02	4	36	9	97	0.01	0.0	9.970	0.178	1	0	1	15
PL.69440	PL.69461	C	6 A (CWC)	7.38Y	122.9	0.02	2.06	4.89	3	35	9	97	0.01	0.0	10.073	0.103	0	0	0	14
PL.69456	PL.69440	C	6 A (CWC)	7.37Y	122.9	0.03	2.08	4.89	3	35	9	97	0.01	0.0	10.203	0.130	2	1	1	14
PL.69457	PL.69456	C	6 A (CWC)	7.37Y	122.9	0.04	2.12	4.56	3	33	9	96	0.01	0.0	10.384	0.182	2	0	1	13
PL.69191	PL.69457	C	#1/0 ACSR	7.37Y	122.9	0.00	2.12	0.00	0	0	0	100	0.00	0.0	10.424	0.040	0	0	0	0
PL.69258	PL.69457	C	6 A (CWC)	7.37Y	122.8	0.03	2.15	4.31	3	31	8	97	0.01	0.0	10.550	0.165	2	1	5	12
PL.69192	PL.69258	C	6 A (CWC)	7.37Y	122.8	0.02	2.17	3.97	3	28	7	97	0.00	0.0	10.642	0.092	2	1	1	7
PL.69193	PL.69192	C	6 A (CWC)	7.37Y	122.8	0.01	2.18	3.70	3	26	7	97	0.00	0.0	10.728	0.085	0	0	0	6

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Balanced Voltage Drop Report
Source: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.69196	PL.69193	C	6 A (CWC)	7.37Y	122.8	0.01	2.19	1.85	1	13	3	97	0.00	0.0	10.807	0.079	0	0	0	4
PL.69441	PL.69196	C	6 A (CWC)	7.37Y	122.8	0.00	2.19	1.85	1	13	3	97	0.00	0.0	10.877	0.070	6	2	2	4
PL.69442	PL.69441	C	6 A (CWC)	7.37Y	122.8	0.00	2.20	0.95	1	7	2	96	0.00	0.0	10.981	0.104	0	0	0	2
PL.69198	PL.69442	C	#1/0 ACSR	7.37Y	122.8	0.00	2.20	0.00	0	0	0	100	0.00	0.0	11.071	0.090	0	0	1	1
PL.69197	PL.69442	C	#1/0 ACSR	7.37Y	122.8	0.00	2.20	0.95	0	7	2	96	0.00	0.0	11.038	0.057	7	2	1	1
PL.69194	PL.69193	C	#4 ACSR	7.37Y	122.8	0.00	2.19	1.84	1	13	3	97	0.00	0.0	10.779	0.051	13	3	2	2
PL.69195	PL.69193	C	#1/0 ACSR	7.37Y	122.8	0.00	2.18	0.00	0	0	0	100	0.00	0.0	10.893	0.165	0	0	0	0
PL.69446	PL.69189	C	6 A (CWC)	7.39Y	123.1	0.01	1.90	7.42	5	53	14	97	0.00	0.0	9.526	0.037	3	1	2	18
PL.69447	PL.69446	C	6 A (CWC)	7.38Y	123.1	0.02	1.93	6.93	5	50	13	97	0.01	0.0	9.606	0.080	3	1	1	16
PL.69448	PL.69447	C	6 A (CWC)	7.38Y	123.0	0.03	1.96	6.54	5	47	12	97	0.01	0.0	9.712	0.106	0	0	0	15
PL.69253	PL.69448	C	6 A (CWC)	7.38Y	123.0	0.02	1.98	6.14	4	44	12	96	0.01	0.0	9.778	0.066	5	1	1	14
PL.69200	PL.69253	C	6 A (CWC)	7.38Y	123.0	0.02	2.00	5.41	4	39	10	97	0.01	0.0	9.851	0.073	0	0	0	13
PL.69201	PL.69200	C	#1/0 ACSR	7.38Y	123.0	0.00	2.00	0.87	0	6	2	95	0.00	0.0	9.876	0.024	6	2	1	1
PL.69254	PL.69200	C	6 A (CWC)	7.38Y	123.0	0.02	2.02	4.54	3	32	9	96	0.01	0.0	9.975	0.124	6	2	1	12
PL.69202	PL.69254	C	6 A (CWC)	7.38Y	123.0	0.02	2.04	3.64	3	26	7	97	0.00	0.0	10.077	0.103	0	0	1	11
PL.69255	PL.69202	C	6 A (CWC)	7.38Y	123.0	0.01	2.04	1.67	1	12	3	97	0.00	0.0	10.196	0.119	0	0	0	6
PL.69551	PL.69255	C	#4 ACSR	7.38Y	123.0	0.00	2.05	1.67	1	12	3	97	0.00	0.0	10.200	0.004	0	0	0	6
PD.10388	PL.69551	C	15T	7.38Y	123.0	0.00	2.05	1.67	0	12	3	97	0.00	0.0	10.200	0.004	0	0	0	6
PL.69552	PD.10388	C	#4 ACSR	7.38Y	122.9	0.01	2.06	1.67	1	12	3	97	0.00	0.0	10.362	0.162	0	0	0	6
PL.69204	PL.69552	C	#4 ACSR	7.38Y	122.9	0.01	2.07	1.67	1	12	3	97	0.00	0.0	10.494	0.132	0	0	0	6
PL.69403	PL.69204	C	#4 ACSR	7.38Y	122.9	0.01	2.07	1.67	1	12	3	97	0.00	0.0	10.589	0.095	0	0	0	6
PL.69404	PL.69403	C	#4 ACSR	7.38Y	122.9	0.01	2.08	1.67	1	12	3	97	0.00	0.0	10.687	0.098	0	0	0	6
PL.69451	PL.69404	C	#4 ACSR	7.37Y	122.9	0.00	2.08	1.26	1	9	2	98	0.00	0.0	10.740	0.052	2	1	2	5
PL.69452	PL.69451	C	#4 ACSR	7.37Y	122.9	0.01	2.09	0.93	1	7	2	96	0.00	0.0	10.897	0.157	0	0	0	3
PL.69205	PL.69452	C	#1/0 ACSR	7.37Y	122.9	0.00	2.09	0.66	0	5	1	98	0.00	0.0	10.935	0.038	5	1	1	1
PL.69449	PL.69452	C	#4 ACSR	7.37Y	122.9	0.00	2.09	0.28	0	2	1	89	0.00	0.0	10.960	0.063	2	0	1	2
PL.69450	PL.69449	C	#4 ACSR	7.37Y	122.9	0.00	2.09	0.05	0	0	0	100	0.00	0.0	10.990	0.030	0	0	0	1
PL.69406	PL.69450	C	#4 ACSR	7.37Y	122.9	0.00	2.09	0.05	0	0	0	100	0.00	0.0	11.123	0.133	0	0	0	1
PL.69405	PL.69406	C	#4 ACSR	7.37Y	122.9	0.00	2.09	0.05	0	0	0	100	0.00	0.0	11.187	0.065	0	0	1	1
PL.69206	PL.69404	C	#4 ACSR	7.38Y	122.9	0.00	2.08	0.41	0	3	1	95	0.00	0.0	10.780	0.093	0	0	0	1
PL.69208	PL.69206	C	#4 ACSR	7.37Y	122.9	0.00	2.09	0.41	0	3	1	95	0.00	0.0	10.924	0.144	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: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.69256	PL.69208	C	#4 ACSR	7.37Y	122.9	0.00	2.09	0.00	0	0	0	100	0.00	0.0	11.039	0.114	0	0	0	0
PL.69211	PL.69256	C	#4 ACSR	7.37Y	122.9	0.00	2.09	0.00	0	0	0	100	0.00	0.0	11.083	0.044	0	0	0	0
PL.69210	PL.69256	C	#4 ACSR	7.37Y	122.9	0.00	2.09	0.00	0	0	0	100	0.00	0.0	11.080	0.041	0	0	0	0
PL.69209	PL.69208	C	#4 ACSR	7.37Y	122.9	0.00	2.09	0.41	0	3	1	95	0.00	0.0	10.965	0.041	3	1	1	1
PL.69207	PL.69206	C	#4 ACSR	7.38Y	122.9	0.00	2.08	0.00	0	0	0	100	0.00	0.0	10.826	0.046	0	0	0	0
PL.69203	PL.69202	C	#4 ACSR	7.38Y	123.0	0.00	2.04	1.97	2	14	4	96	0.00	0.0	10.190	0.112	14	4	4	4
PL.69199	PL.69448	C	#2 ACSR	7.38Y	123.0	0.00	1.96	0.40	0	3	1	95	0.00	0.0	9.743	0.031	3	1	1	1
PL.69535	PL.69431	A	6 A (CWC)	7.41Y	123.4	0.00	1.56	0.64	0	5	1	98	0.00	0.0	8.913	0.005	0	0	0	3
PD.10379	PL.69535	A	40T	7.41Y	123.4	0.00	1.56	0.64	0	5	1	98	0.00	0.0	8.913	0.005	0	0	0	3
PL.69536	PD.10379	A	6 A (CWC)	7.41Y	123.4	0.00	1.56	0.64	0	5	1	98	0.00	0.0	8.924	0.011	3	1	2	3
PL.69181	PL.69536	A	#1/0 ACSR	7.41Y	123.4	0.00	1.56	0.26	0	2	0	100	0.00	0.0	8.944	0.020	2	0	1	1
PL.69180	PL.67786	ABC	336 MCM AC	7.41Y	123.4	0.00	1.55	0.28	0	6	2	95	0.00	0.0	8.821	0.045	6	2	2	2
PL.69617	PL.67786	B	#4 ACSR	7.41Y	123.4	0.00	1.55	0.50	0	4	1	97	0.00	0.0	8.835	0.059	0	0	0	2
PD.10427	PL.69617	B	40T	7.41Y	123.4	0.00	1.55	0.50	0	4	1	97	0.00	0.0	8.835	0.059	0	0	0	2
PL.69618	PD.10427	B	#4 ACSR	7.41Y	123.4	0.00	1.55	0.50	0	4	1	97	0.00	0.0	8.953	0.118	0	0	1	2
PL.69435	PL.69618	B	#4 ACSR	7.41Y	123.4	0.00	1.55	0.48	0	3	1	95	0.00	0.0	9.037	0.084	3	1	1	1
PL.69436	PL.69435	B	#4 ACSR	7.41Y	123.4	0.00	1.55	0.00	0	0	0	100	0.00	0.0	9.129	0.093	0	0	0	0
PL.69549	PL.69177	A	#2 ACSR	7.42Y	123.7	0.00	1.30	0.72	0	5	1	98	0.00	0.0	6.390	0.005	0	0	0	1
PD.10387	PL.69549	A	40T	7.42Y	123.7	0.00	1.30	0.72	0	5	1	98	0.00	0.0	6.390	0.005	0	0	0	1
PL.69550	PD.10387	A	#2 ACSR	7.42Y	123.7	0.00	1.30	0.72	0	5	1	98	0.00	0.0	6.404	0.014	5	1	1	1
PL.69645	PL.69166	B	#4 ACSR	7.42Y	123.7	0.00	1.28	2.43	2	17	5	96	0.00	0.0	6.203	0.003	0	0	0	7
PD.10441	PL.69645	B	35L	7.42Y	123.7	0.00	1.28	2.43	7	17	5	96	0.00	0.0	6.203	0.003	0	0	0	7
PL.69646	PD.10441	B	#4 ACSR	7.42Y	123.7	0.01	1.28	2.43	2	17	5	96	0.00	0.0	6.268	0.066	6	2	2	7
PL.69443	PL.69646	B	#4 ACSR	7.42Y	123.7	0.01	1.29	1.58	1	11	3	96	0.00	0.0	6.382	0.113	0	0	0	5
PL.69376	PL.69443	B	#4 ACSR	7.42Y	123.7	0.01	1.30	1.58	1	11	3	96	0.00	0.0	6.483	0.101	0	0	0	5
PL.69167	PL.69376	B	#4 ACSR	7.42Y	123.7	0.01	1.31	1.58	1	11	3	96	0.00	0.0	6.665	0.181	0	0	0	5
PL.69377	PL.69167	B	#4 ACSR	7.42Y	123.7	0.01	1.32	1.58	1	11	3	96	0.00	0.0	6.777	0.112	0	0	1	5
PL.69168	PL.69377	B	6 A (CWC)	7.42Y	123.7	0.01	1.33	1.58	1	11	3	96	0.00	0.0	6.872	0.095	0	0	1	4
PL.69169	PL.69168	B	6 A (CWC)	7.42Y	123.7	0.01	1.34	1.51	1	11	3	96	0.00	0.0	7.055	0.184	0	0	0	3
PL.69378	PL.69169	B	6 A (CWC)	7.42Y	123.7	0.01	1.35	1.51	1	11	3	96	0.00	0.0	7.181	0.126	1	0	1	3
PL.67778	PL.69378	B	6 A (CWC)	7.42Y	123.6	0.00	1.35	0.34	0	2	1	89	0.00	0.0	7.289	0.108	0	0	0	1

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Balanced Voltage Drop Report
Source: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.69379	PL.67778	B	6 A (CWC)	7.42Y	123.6	0.00	1.35	0.34	0	2	1	89	0.00	0.0	7.373	0.084	0	0	0	1
PL.69173	PL.69379	B	6 A (CWC)	7.42Y	123.6	0.00	1.35	0.34	0	2	1	89	0.00	0.0	7.439	0.067	2	1	1	1
PL.69629	PL.69379	B	6 A (CWC)	7.42Y	123.6	0.00	1.35	0.00	0	0	0	100	0.00	0.0	7.377	0.005	0	0	0	0
PD.10433-A	PL.69629	B	Closed	7.42Y	123.6	0.00	1.35	0.00	0	0	0	100	0.00	0.0	7.377	0.005	0	0	0	0
PD.10433-B	PD.10433-A	B	Closed	7.42Y	123.6	0.00	1.35	0.00	0	0	0	100	0.00	0.0	7.377	0.005	0	0	0	0
PL.69630	PD.10433-B	B	6 A (CWC)	7.42Y	123.6	0.00	1.35	0.00	0	0	0	100	0.00	0.0	7.480	0.103	0	0	0	0
PL.69409	PL.69630	B	6 A (CWC)	7.42Y	123.6	0.00	1.35	0.00	0	0	0	100	0.00	0.0	7.575	0.095	0	0	0	0
PL.69380	PL.69409	B	6 A (CWC)	7.42Y	123.6	0.00	1.35	0.00	0	0	0	100	0.00	0.0	7.747	0.172	0	0	0	0
PL.69627	PL.69380	B	6 A (CWC)	7.42Y	123.6	0.00	1.35	0.00	0	0	0	100	0.00	0.0	7.752	0.005	0	0	0	0
PD.10432-A	PL.69627	B	Closed	7.42Y	123.6	0.00	1.35	0.00	0	0	0	100	0.00	0.0	7.752	0.005	0	0	0	0
PD.10432-B	PD.10432-A	B	Closed	7.42Y	123.6	0.00	1.35	0.00	0	0	0	100	0.00	0.0	7.752	0.005	0	0	0	0
PL.69628	PD.10432-B	B	6 A (CWC)	7.42Y	123.6	0.00	1.35	0.00	0	0	0	100	0.00	0.0	7.855	0.103	0	0	0	0
PL.69410	PL.69628	B	6 A (CWC)	7.42Y	123.6	0.00	1.35	0.00	0	0	0	100	0.00	0.0	7.943	0.087	0	0	0	0
PL.69381	PL.69410	B	6 A (CWC)	7.42Y	123.6	0.00	1.35	0.00	0	0	0	100	0.00	0.0	8.022	0.080	0	0	0	0
PL.69411	PL.69381	B	6 A (CWC)	7.42Y	123.6	0.00	1.35	0.00	0	0	0	100	0.00	0.0	8.141	0.119	0	0	0	0
PL.69382	PL.69411	B	6 A (CWC)	7.42Y	123.6	0.00	1.35	0.00	0	0	0	100	0.00	0.0	8.218	0.077	0	0	0	0
PL.69176	PL.69382	B	6 A (CWC)	7.42Y	123.6	0.00	1.35	0.00	0	0	0	100	0.00	0.0	8.324	0.106	0	0	0	0
PL.69383	PL.69176	B	6 A (CWC)	7.42Y	123.6	0.00	1.35	0.00	0	0	0	100	0.00	0.0	8.481	0.156	0	0	0	0
PL.69174	PL.69383	B	6 A (CWC)	7.42Y	123.6	0.00	1.35	0.00	0	0	0	100	0.00	0.0	8.603	0.122	0	0	0	0
PL.69384	PL.69174	B	6 A (CWC)	7.42Y	123.6	0.00	1.35	0.00	0	0	0	100	0.00	0.0	8.730	0.127	0	0	0	0
PL.69175	PL.69384	B	6 A (CWC)	7.42Y	123.6	0.00	1.35	0.00	0	0	0	100	0.00	0.0	8.889	0.160	0	0	0	0
PL.69385	PL.69175	B	6 A (CWC)	7.42Y	123.6	0.00	1.35	0.00	0	0	0	100	0.00	0.0	8.999	0.110	0	0	0	0
PL.69386	PL.69385	B	6 A (CWC)	7.42Y	123.6	0.00	1.35	0.00	0	0	0	100	0.00	0.0	9.124	0.125	0	0	0	0
PL.67781	PL.69384	B	6 A (CWC)	7.42Y	123.6	0.00	1.35	0.00	0	0	0	100	0.00	0.0	8.859	0.129	0	0	0	0
PL.67780	PL.69383	B	6 A (CWC)	7.42Y	123.6	0.00	1.35	0.00	0	0	0	100	0.00	0.0	8.645	0.165	0	0	0	0
PL.67779	PL.69380	B	6 A (CWC)	7.42Y	123.6	0.00	1.35	0.00	0	0	0	100	0.00	0.0	7.917	0.170	0	0	0	0
PL.69172	PL.69378	B	#1/0 ACSR	7.42Y	123.7	0.00	1.35	1.05	0	8	2	97	0.00	0.0	7.200	0.019	8	2	1	1
PL.69170	PL.69168	B	#4 ACSR	7.42Y	123.7	0.00	1.33	0.00	0	0	0	100	0.00	0.0	7.033	0.162	0	0	0	0
PL.69468	PL.69241	B	#4 ACSR	7.44Y	124.0	0.00	1.03	0.82	1	6	2	95	0.00	0.0	4.377	0.029	0	0	0	1
PL.69559	PL.69468	B	#4 ACSR	7.44Y	124.0	0.00	1.03	0.82	1	6	2	95	0.00	0.0	4.382	0.005	0	0	0	1
PD.10394	PL.69559	B	40T	7.44Y	124.0	0.00	1.03	0.82	0	6	2	95	0.00	0.0	4.382	0.005	0	0	0	1

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Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.69560	PD.10394	B	#4 ACSR	7.44Y	124.0	0.00	1.03	0.82	1	6	2	95	0.00	0.0	4.432	0.050	0	0	0	1
PL.69467	PL.69560	B	#4 ACSR	7.44Y	124.0	0.00	1.04	0.82	1	6	2	95	0.00	0.0	4.463	0.031	6	2	1	1
PL.69155	PL.69470	B	#4 ACSR	7.44Y	124.0	0.00	1.03	0.75	1	5	1	98	0.00	0.0	4.340	0.044	0	0	0	1
PL.69561	PL.69155	B	#4 ACSR	7.44Y	124.0	0.00	1.03	0.75	1	5	1	98	0.00	0.0	4.345	0.005	0	0	0	1
PD.10395	PL.69561	B	40T	7.44Y	124.0	0.00	1.03	0.75	0	5	1	98	0.00	0.0	4.345	0.005	0	0	0	1
PL.69562	PD.10395	B	#4 ACSR	7.44Y	124.0	0.00	1.03	0.75	1	5	1	98	0.00	0.0	4.460	0.115	0	0	0	1
PL.69156	PL.69562	B	#4 ACSR	7.44Y	124.0	0.00	1.03	0.75	1	5	1	98	0.00	0.0	4.505	0.045	0	0	0	1
PL.69157	PL.69156	B	#1/0 ACSR	7.44Y	124.0	0.00	1.03	0.75	0	5	1	98	0.00	0.0	4.656	0.151	5	1	1	1
PL.69154	PL.69153	C	#1/0 ACSR	7.44Y	124.0	0.00	0.95	0.09	0	1	0	100	0.00	0.0	3.912	0.076	1	0	1	1
PL.69146	PL.69145	C	#1/0 ACSR	7.44Y	124.1	0.00	0.94	0.00	0	0	0	100	0.00	0.0	3.785	0.026	0	0	0	0
PL.69144	PL.69143	ABC	336 MCM AC	7.44Y	124.1	0.00	0.94	0.75	0	16	4	97	0.00	0.0	3.793	0.064	0	0	0	8
PL.69147	PL.69144	B	#4 ACSR	7.44Y	124.1	0.00	0.94	2.24	2	16	4	97	0.00	0.0	3.826	0.033	0	0	0	7
PL.69635	PL.69147	B	6 A (CWC)	7.44Y	124.1	0.00	0.94	2.24	2	16	4	97	0.00	0.0	3.829	0.003	0	0	0	7
PD.10436	PL.69635	B	35L	7.44Y	124.1	0.00	0.94	2.24	6	16	4	97	0.00	0.0	3.829	0.003	0	0	0	7
PL.69636	PD.10436	B	6 A (CWC)	7.44Y	124.1	0.01	0.94	2.24	2	16	4	97	0.00	0.0	3.879	0.050	0	0	0	7
PL.69417	PL.69636	B	6 A (CWC)	7.44Y	124.0	0.01	0.95	2.24	2	16	4	97	0.00	0.0	3.965	0.086	0	0	0	6
PL.69358	PL.69417	B	6 A (CWC)	7.44Y	124.0	0.01	0.97	2.24	2	16	4	97	0.00	0.0	4.087	0.123	0	0	0	6
PL.69473	PL.69358	B	6 A (CWC)	7.44Y	124.0	0.01	0.97	2.24	2	16	4	97	0.00	0.0	4.154	0.066	2	0	1	6
PL.69474	PL.69473	B	6 A (CWC)	7.44Y	124.0	0.01	0.98	2.01	1	14	4	96	0.00	0.0	4.286	0.133	0	0	0	5
PL.69407	PL.69474	B	6 A (CWC)	7.44Y	124.0	0.01	0.99	2.01	1	14	4	96	0.00	0.0	4.358	0.072	0	0	0	5
PL.69359	PL.69407	B	6 A (CWC)	7.44Y	124.0	0.01	1.00	2.01	1	14	4	96	0.00	0.0	4.455	0.097	0	0	0	5
PL.69419	PL.69359	B	6 A (CWC)	7.44Y	124.0	0.01	1.01	2.01	1	14	4	96	0.00	0.0	4.539	0.085	0	0	0	5
PL.69420	PL.69419	B	6 A (CWC)	7.44Y	124.0	0.01	1.02	2.01	1	14	4	96	0.00	0.0	4.654	0.114	0	0	0	5
PL.69151	PL.69420	B	6 A (CWC)	7.44Y	124.0	0.01	1.03	0.93	1	7	2	96	0.00	0.0	4.856	0.203	0	0	0	4
PL.69471	PL.69151	B	6 A (CWC)	7.44Y	124.0	0.00	1.03	0.93	1	7	2	96	0.00	0.0	4.935	0.079	2	0	1	4
PL.69472	PL.69471	B	6 A (CWC)	7.44Y	124.0	0.00	1.03	0.68	0	5	1	98	0.00	0.0	5.036	0.101	0	0	0	3
PL.69360	PL.69472	B	6 A (CWC)	7.44Y	124.0	0.00	1.04	0.68	0	5	1	98	0.00	0.0	5.190	0.153	0	0	1	3
PL.69152	PL.69360	B	#1/0 ACSR	7.44Y	124.0	0.00	1.04	0.68	0	5	1	98	0.00	0.0	5.284	0.094	5	1	2	2
PL.69150	PL.69420	B	6 A (CWC)	7.44Y	124.0	0.00	1.02	1.08	1	8	2	97	0.00	0.0	4.751	0.098	8	2	1	1
PL.69148	PL.69636	B	#4 ACSR	7.44Y	124.1	0.00	0.94	0.00	0	0	0	100	0.00	0.0	3.993	0.114	0	0	0	1
PL.69212	PL.69148	B	#4 ACSR	7.44Y	124.1	0.00	0.94	0.00	0	0	0	100	0.00	0.0	4.093	0.100	0	0	1	1

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Case: 2009 Existing Conditions

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----			
																KW	KVAR	Cons On	Cons Thru	
PL.69563	PL.69144	A	#1/0 ACSR	7.44Y	124.1	0.00	0.94	0.00	0	0	0	100	0.00	0.0	3.797	0.004	0	0	0	1
PD.10396	PL.69563	A	40T	7.44Y	124.1	0.00	0.94	0.00	0	0	0	100	0.00	0.0	3.797	0.004	0	0	0	1
PL.69564	PD.10396	A	#1/0 ACSR	7.44Y	124.1	0.00	0.94	0.00	0	0	0	100	0.00	0.0	3.832	0.034	0	0	1	1
PL.69567	PL.69236	C	#1/0 ACSR	7.45Y	124.1	0.00	0.90	1.74	1	12	3	97	0.00	0.0	3.530	0.005	0	0	0	7
PD.10398	PL.69567	C	30T	7.45Y	124.1	0.00	0.90	1.74	0	12	3	97	0.00	0.0	3.530	0.005	0	0	0	7
PL.69568	PD.10398	C	#1/0 ACSR	7.45Y	124.1	0.00	0.91	1.74	1	12	3	97	0.00	0.0	3.614	0.084	2	1	3	7
PL.69141	PL.69568	C	6 A (CWC)	7.45Y	124.1	0.00	0.91	1.40	1	10	3	96	0.00	0.0	3.654	0.040	5	1	2	4
PL.69238	PL.69141	C	6 A (CWC)	7.45Y	124.1	0.00	0.91	0.48	0	3	1	95	0.00	0.0	3.729	0.076	3	1	1	1
PL.69142	PL.69141	C	#4 ACSR	7.45Y	124.1	0.00	0.91	0.16	0	1	0	100	0.00	0.0	3.764	0.111	1	0	1	1
PL.69577	PL.69482	A	#4 ACSR	7.45Y	124.2	0.00	0.79	0.83	1	6	2	95	0.00	0.0	2.888	0.005	0	0	0	2
PD.10403	PL.69577	A	40T	7.45Y	124.2	0.00	0.79	0.83	0	6	2	95	0.00	0.0	2.888	0.005	0	0	0	2
PL.69578	PD.10403	A	#4 ACSR	7.45Y	124.2	0.00	0.79	0.83	1	6	2	95	0.00	0.0	2.908	0.021	6	2	2	2
PL.69639	PL.69500	A	6 A (CWC)	7.46Y	124.4	0.00	0.65	7.56	5	55	14	97	0.00	0.0	2.184	0.003	0	0	0	19
PD.10438	PL.69639	A	35L	7.46Y	124.4	0.00	0.65	7.56	22	55	14	97	0.00	0.0	2.184	0.003	0	0	0	19
PL.69640	PD.10438	A	6 A (CWC)	7.46Y	124.3	0.03	0.68	7.56	5	55	14	97	0.01	0.0	2.284	0.100	3	1	4	19
PL.69105	PL.69640	A	#4 ACSR	7.46Y	124.3	0.00	0.68	0.44	0	3	1	95	0.00	0.0	2.335	0.051	1	0	1	3
PL.69106	PL.69105	A	#4 ACSR	7.46Y	124.3	0.00	0.68	0.24	0	2	0	100	0.00	0.0	2.361	0.026	0	0	1	2
PL.69589	PL.69106	A	#1/0 ACSR	7.46Y	124.3	0.00	0.68	0.24	0	2	0	100	0.00	0.0	2.365	0.004	0	0	0	1
PD.10413	PL.69589	A	10T	7.46Y	124.3	0.00	0.68	0.24	0	2	0	100	0.00	0.0	2.365	0.004	0	0	0	1
PL.69590	PD.10413	A	#1/0 ACSR	7.46Y	124.3	0.00	0.68	0.24	0	2	0	100	0.00	0.0	2.424	0.060	0	0	0	1
PL.69497	PL.69590	A	#1/0 ACSR	7.46Y	124.3	0.00	0.68	0.24	0	2	0	100	0.00	0.0	2.519	0.095	2	0	1	1
PL.69222	PL.69640	A	6 A (CWC)	7.46Y	124.3	0.05	0.73	6.73	5	49	13	97	0.02	0.0	2.440	0.156	0	0	0	12
PL.69107	PL.69222	A	6 A (CWC)	7.46Y	124.3	0.01	0.74	3.13	2	23	6	97	0.00	0.0	2.532	0.092	9	2	1	3
PL.69108	PL.69107	A	#4 ACSR	7.46Y	124.3	0.00	0.74	1.88	1	14	4	96	0.00	0.0	2.553	0.021	0	0	0	2
PL.69109	PL.69108	A	#2 ACSR	7.46Y	124.3	0.01	0.75	1.88	1	14	4	96	0.00	0.0	2.640	0.087	0	0	0	2
PL.69110	PL.69109	A	#1/0 ACSR	7.46Y	124.3	0.00	0.75	0.00	0	0	0	100	0.00	0.0	2.743	0.103	0	0	1	1
PL.69111	PL.69109	A	#1/0 ACSR	7.46Y	124.3	0.00	0.75	1.88	1	14	4	96	0.00	0.0	2.654	0.015	14	4	1	1
PL.69223	PL.69108	A	#4 ACSR	7.46Y	124.3	0.00	0.74	0.00	0	0	0	100	0.00	0.0	2.591	0.038	0	0	0	0
PL.69224	PL.69222	A	6 A (CWC)	7.46Y	124.3	0.02	0.74	3.61	3	26	7	97	0.00	0.0	2.536	0.096	0	0	0	9
PL.69263	PL.69224	A	6 A (CWC)	7.45Y	124.2	0.02	0.76	3.61	3	26	7	97	0.00	0.0	2.633	0.097	0	0	0	9
PL.69112	PL.69263	A	#4 ACSR	7.45Y	124.2	0.00	0.76	0.00	0	0	0	100	0.00	0.0	2.688	0.055	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: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.69506	PL.69263	A	6 A (CWC)	7.45Y	124.2	0.01	0.77	3.61	3	26	7	97	0.00	0.0	2.718	0.085	1	0	1	9
PL.69507	PL.69506	A	6 A (CWC)	7.45Y	124.2	0.02	0.79	3.43	2	25	7	96	0.00	0.0	2.836	0.118	0	0	0	8
PL.69114	PL.69507	A	6 A (CWC)	7.45Y	124.2	0.01	0.81	3.43	2	25	7	96	0.00	0.0	2.929	0.093	0	0	0	8
PL.69265	PL.69114	A	6 A (CWC)	7.45Y	124.2	0.02	0.82	3.43	2	25	7	96	0.00	0.0	3.033	0.104	0	0	0	8
PL.69264	PL.69265	A	6 A (CWC)	7.45Y	124.2	0.02	0.84	3.43	2	25	7	96	0.00	0.0	3.159	0.126	0	0	0	8
PL.69225	PL.69264	A	6 A (CWC)	7.45Y	124.1	0.03	0.87	3.43	2	25	7	96	0.00	0.0	3.334	0.175	2	0	1	8
PL.69116	PL.69225	A	6 A (CWC)	7.45Y	124.1	0.01	0.88	3.19	2	23	6	97	0.00	0.0	3.374	0.039	0	0	0	7
PL.69117	PL.69116	A	#4 ACSR	7.45Y	124.1	0.02	0.89	3.19	2	23	6	97	0.00	0.0	3.495	0.122	0	0	0	7
PL.69118	PL.69117	A	#4 ACSR	7.45Y	124.1	0.00	0.89	0.95	1	7	2	96	0.00	0.0	3.556	0.061	7	2	3	4
PL.69603	PL.69118	A	#1/0 ACSR	7.45Y	124.1	0.00	0.89	0.00	0	0	0	100	0.00	0.0	3.561	0.005	0	0	0	1
PD.10420	PL.69603	A	15T	7.45Y	124.1	0.00	0.89	0.00	0	0	0	100	0.00	0.0	3.561	0.005	0	0	0	1
PL.69604	PD.10420	A	#1/0 ACSR	7.45Y	124.1	0.00	0.89	0.00	0	0	0	100	0.00	0.0	3.671	0.110	0	0	0	1
PL.69266	PL.69604	A	#1/0 ACSR	7.45Y	124.1	0.00	0.89	0.00	0	0	0	100	0.00	0.0	3.762	0.091	0	0	1	1
PL.69226	PL.69117	A	#4 ACSR	7.45Y	124.1	0.02	0.91	2.23	2	16	4	97	0.00	0.0	3.677	0.182	0	0	0	3
PL.69267	PL.69226	A	#4 ACSR	7.44Y	124.1	0.02	0.93	2.23	2	16	4	97	0.00	0.0	3.859	0.181	0	0	0	3
PL.69268	PL.69267	A	#4 ACSR	7.44Y	124.1	0.01	0.94	2.23	2	16	4	97	0.00	0.0	3.943	0.085	0	0	0	3
PL.69119	PL.69268	A	#4 ACSR	7.44Y	124.1	0.00	0.94	0.00	0	0	0	100	0.00	0.0	4.007	0.064	0	0	0	0
PL.69120	PL.69268	A	#4 ACSR	7.44Y	124.1	0.01	0.95	2.23	2	16	4	97	0.00	0.0	4.073	0.130	0	0	0	3
PL.69269	PL.69120	A	#4 ACSR	7.44Y	124.0	0.02	0.97	2.23	2	16	4	97	0.00	0.0	4.255	0.182	0	0	0	3
PL.69270	PL.69269	A	#4 ACSR	7.44Y	124.0	0.01	0.98	2.23	2	16	4	97	0.00	0.0	4.376	0.122	0	0	0	3
PL.69271	PL.69270	A	#4 ACSR	7.44Y	124.0	0.01	0.99	2.23	2	16	4	97	0.00	0.0	4.516	0.140	4	1	1	3
PL.69272	PL.69271	A	#4 ACSR	7.44Y	124.0	0.00	1.00	1.63	1	12	3	97	0.00	0.0	4.572	0.056	2	1	1	2
PL.69122	PL.69272	A	#4 ACSR	7.44Y	124.0	0.00	1.00	1.30	1	9	2	98	0.00	0.0	4.629	0.056	9	2	1	1
PL.69121	PL.69272	A	#4 ACSR	7.44Y	124.0	0.00	1.00	0.00	0	0	0	100	0.00	0.0	4.627	0.054	0	0	0	0
PL.69113	PL.69507	A	6 A (CWC)	7.45Y	124.2	0.00	0.79	0.00	0	0	0	100	0.00	0.0	2.907	0.071	0	0	0	0
PL.69591	PL.69262	A	6 A (CWC)	7.46Y	124.4	0.00	0.61	0.04	0	0	0	100	0.00	0.0	2.032	0.005	0	0	0	2
PD.10414	PL.69591	A	65T	7.46Y	124.4	0.00	0.61	0.04	0	0	0	100	0.00	0.0	2.032	0.005	0	0	0	2
PL.69592	PD.10414	A	6 A (CWC)	7.46Y	124.4	0.00	0.61	0.04	0	0	0	100	0.00	0.0	2.074	0.043	0	0	2	2
PL.69593	PL.69261	C	#4 ACSR	7.47Y	124.5	0.00	0.52	0.50	0	4	1	97	0.00	0.0	1.692	0.005	0	0	0	1
PD.10415	PL.69593	C	65T	7.47Y	124.5	0.00	0.52	0.50	0	4	1	97	0.00	0.0	1.692	0.005	0	0	0	1
PL.69594	PD.10415	C	#4 ACSR	7.47Y	124.5	0.00	0.52	0.50	0	4	1	97	0.00	0.0	1.771	0.079	4	1	1	1

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Balanced Voltage Drop Report
Source: Tyner

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

Units Displayed In Volts																				
-Base Voltage:120.0-																				
Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Length (mi)	-----Element-----		Cons On	Cons Thru
PL.69096	PL.69218	A	#4 ACSR	7.48Y	124.7	0.01	0.35	10.49	8	76	20	97	0.01	0.0	1.037	0.021	2	1	1	20
PL.69641	PL.69096	A	#4 ACSR	7.48Y	124.7	0.00	0.35	10.15	8	73	19	97	0.00	0.0	1.039	0.003	0	0	0	19
PD.10439	PL.69641	A	50L	7.48Y	124.7	0.00	0.35	10.15	20	73	19	97	0.00	0.0	1.039	0.003	0	0	0	19
PL.69642	PD.10439	A	#4 ACSR	7.48Y	124.6	0.02	0.37	10.15	8	73	19	97	0.01	0.0	1.076	0.037	0	0	0	19
PL.69097	PL.69642	A	#4 ACSR	7.48Y	124.6	0.02	0.38	10.15	8	73	19	97	0.01	0.0	1.113	0.037	0	0	0	19
PL.69517	PL.69097	A	#4 ACSR	7.48Y	124.6	0.02	0.40	9.71	7	70	19	97	0.01	0.0	1.151	0.038	7	2	2	18
PL.69518	PL.69517	A	#4 ACSR	7.48Y	124.6	0.01	0.41	8.79	7	64	17	97	0.00	0.0	1.170	0.019	0	0	0	16
PL.69099	PL.69518	A	#4 ACSR	7.48Y	124.6	0.01	0.41	3.55	3	26	7	97	0.00	0.0	1.231	0.061	18	5	3	4
PL.69512	PL.69099	A	#1/0 ACSR	7.48Y	124.6	0.00	0.41	1.06	0	8	2	97	0.00	0.0	1.249	0.018	0	0	0	1
PL.69513	PL.69512	A	#1/0 ACSR	7.48Y	124.6	0.00	0.41	1.06	0	8	2	97	0.00	0.0	1.295	0.046	8	2	1	1
PL.69219	PL.69518	A	#4 ACSR	7.47Y	124.6	0.01	0.42	5.25	4	38	10	97	0.00	0.0	1.227	0.057	7	2	4	12
PL.69510	PL.69219	A	#4 ACSR	7.47Y	124.6	0.01	0.43	4.31	3	31	8	97	0.00	0.0	1.275	0.048	9	2	1	8
PL.69511	PL.69510	A	#4 ACSR	7.47Y	124.6	0.00	0.43	3.08	2	22	6	96	0.00	0.0	1.303	0.028	4	1	3	7
PL.69220	PL.69511	A	#4 ACSR	7.47Y	124.6	0.00	0.43	0.71	1	5	1	98	0.00	0.0	1.338	0.035	0	0	0	1
PL.69503	PL.69220	A	#4 ACSR	7.47Y	124.6	0.00	0.43	0.71	1	5	1	98	0.00	0.0	1.410	0.072	0	0	0	1
PL.69504	PL.69503	A	#4 ACSR	7.47Y	124.6	0.00	0.43	0.71	1	5	1	98	0.00	0.0	1.459	0.049	5	1	1	1
PL.69505	PL.69504	A	#4 ACSR	7.47Y	124.6	0.00	0.43	0.00	0	0	0	100	0.00	0.0	1.514	0.055	0	0	0	0
PL.69100	PL.69511	A	#4 ACSR	7.47Y	124.6	0.01	0.43	1.80	1	13	3	97	0.00	0.0	1.373	0.070	0	0	0	3
PL.69102	PL.69100	A	#4 ACSR	7.47Y	124.6	0.00	0.44	0.99	1	7	2	96	0.00	0.0	1.415	0.042	4	1	1	2
PL.72950	PL.69102	A	#1/0 ACSR	7.47Y	124.6	0.00	0.44	0.43	0	3	1	95	0.00	0.0	1.444	0.029	3	1	1	1
PL.69101	PL.69100	A	#4 ACSR	7.47Y	124.6	0.00	0.44	0.81	1	6	2	95	0.00	0.0	1.410	0.037	6	2	1	1
PL.69098	PL.69097	A	#1/0 ACSR	7.48Y	124.6	0.00	0.38	0.45	0	3	1	95	0.00	0.0	1.130	0.017	3	1	1	1
PL.69609	PL.69090	A	#4 ACSR	7.49Y	124.8	0.00	0.20	0.73	1	5	1	98	0.00	0.0	0.582	0.005	0	0	0	1
PD.10423	PL.69609	A	40T	7.49Y	124.8	0.00	0.20	0.73	0	5	1	98	0.00	0.0	0.582	0.005	0	0	0	1
PL.69610	PD.10423	A	#4 ACSR	7.49Y	124.8	0.00	0.20	0.73	1	5	1	98	0.00	0.0	0.629	0.047	5	1	1	1
PL.69605	PL.69214	C	#4 ACSR	7.49Y	124.9	0.00	0.14	1.76	1	13	3	97	0.00	0.0	0.424	0.005	0	0	0	3
PD.10421	PL.69605	C	65T	7.49Y	124.9	0.00	0.14	1.76	0	13	3	97	0.00	0.0	0.424	0.005	0	0	0	3
PL.69606	PD.10421	C	#4 ACSR	7.49Y	124.9	0.00	0.15	1.76	1	13	3	97	0.00	0.0	0.463	0.039	0	0	0	3
PL.69524	PL.69606	C	#4 ACSR	7.49Y	124.9	0.00	0.15	1.76	1	13	3	97	0.00	0.0	0.480	0.018	10	3	1	3
PL.69091	PL.69524	C	#1/0 ACSR	7.49Y	124.9	0.00	0.15	0.37	0	3	1	95	0.00	0.0	0.504	0.024	3	1	2	2

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

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	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load	Losses	Total	
KW	8194	0	0	0	0	0	126		0.00	8320	Lowest Voltage = 120.13 on Element PL.67770
KVAR	2482	0	0	-2	0	0	263			2743	Max Accm VoltD = 4.87 on Element PL.67770
											Max Elem VoltD = 0.24 on Element PL.68372