Balanced Voltage Drop Report
Source: Bush

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
Bush		ABC	SRC-Bush	7.50Y	125.0	0.00	0.00	450.77	0	9636	3165	95	0.00	0.0	0.000	0.000	0	0	0	1436	
PL.52863	Bush	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	97.07	19	2095	618	96	0.00	0.0	0.001	0.001	0	0	0	305	
PL.52867	PL.52863	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	97.07	19	2095	618	96	0.00	0.0	0.002	0.001	0	0	0	305	
---------- Feeder No. 3 (Lick Fork F3) Beginning with Device PD.8055 ----------																					
PD.8055	PL.52867	ABC	480VWE	7.50Y	125.0	0.00	0.00	97.07	0	2095	618	96	0.00	0.0	0.002	0.001	0	0	0	305	
PL.33530	PD.8055	ABC	397 SPACER	7.50Y	125.0	0.01	0.01	97.07	19	2095	618	96	0.02	0.0	0.021	0.019	0	0	0	305	
PL.34391	PL.33530	ABC	#3/0 ACSR	7.50Y	125.0	0.00	0.01	97.07	32	2095	618	96	0.01	0.0	0.022	0.001	0	0	0	305	
PD.5002	PL.34391	ABC	75QA	7.50Y	125.0	0.00	0.01	97.07	129	2095	618	96	0.00	0.0	0.022	0.001	0	0	0	305	C
PL.55153	PD.5002	ABC	#3/0 ACSR	7.50Y	125.0	0.04	0.04	97.07	32	2095	618	96	0.46	0.0	0.051	0.029	27	7	10	305	
PL.55264	PL.55153	ABC	#3/0 ACSR	7.49Y	124.9	0.09	0.14	95.84	32	2068	610	96	1.17	0.1	0.128	0.076	11	3	4	295	
PL.55263	PL.55264	ABC	#3/0 ACSR	7.48Y	124.7	0.12	0.26	95.35	32	2056	605	96	1.49	0.1	0.225	0.098	8	2	1	291	
PL.55386	PL.55263	C	#2 ACSR	7.48Y	124.7	0.00	0.26	1.81	1	13	4	96	0.00	0.0	0.228	0.003	0	0	0	1	
PD.8198	PL.55386	C	30QA	7.48Y	124.7	0.00	0.26	1.81	6	13	4	96	0.00	0.0	0.228	0.003	0	0	0	1	
PL.55161	PD.8198	C	#2 ACSR	7.48Y	124.7	0.00	0.26	1.81	1	13	4	96	0.00	0.0	0.244	0.016	0	0	0	1	
PL.55385	PL.55161	C	#2 ACSR	7.48Y	124.7	0.00	0.26	1.81	1	13	4	96	0.00	0.0	0.326	0.081	13	4	1	1	
PL.55135	PL.55263	ABC	#3/0 ACSR	7.48Y	124.6	0.14	0.40	94.37	31	2033	597	96	1.78	0.1	0.344	0.119	0	0	0	289	
PL.33550	PL.55135	ABC	#3/0 ACSR	7.48Y	124.6	0.01	0.41	92.45	31	1990	583	96	0.16	0.0	0.356	0.011	0	0	0	282	
PL.33551	PL.33550	ABC	#3/0 ACSR	7.48Y	124.6	0.00	0.41	92.45	31	1990	583	96	0.02	0.0	0.357	0.001	0	0	0	282	
PL.33209	PL.33551	ABC	#3/0 ACSR	7.47Y	124.5	0.13	0.55	92.45	31	1990	583	96	1.60	0.1	0.468	0.111	9	2	1	282	
PL.33210	PL.33209	C	6 A (CWC)	7.47Y	124.5	0.00	0.55	7.45	5	54	15	96	0.00	0.0	0.469	0.000	0	0	0	6	
PD.4957	PL.33210	C	75QA	7.47Y	124.5	0.00	0.55	7.45	10	54	15	96	0.00	0.0	0.469	0.000	0	0	0	6	
PL.33211	PD.4957	C	6 A (CWC)	7.47Y	124.5	0.00	0.55	7.45	5	54	15	96	0.00	0.0	0.469	0.000	0	0	0	6	
PL.62738	PL.33211	C	6 A (CWC)	7.47Y	124.4	0.01	0.56	5.00	4	36	10	96	0.00	0.0	0.523	0.054	0	0	0	4	
PL.55128	PL.62738	C	6 A (CWC)	7.47Y	124.4	0.01	0.57	5.00	4	36	10	96	0.00	0.0	0.562	0.039	12	3	2	4	
PL.64853	PL.55128	C	6 A (CWC)	7.47Y	124.4	0.00	0.57	3.33	2	24	7	96	0.00	0.0	0.619	0.057	24	7	2	2	
PL.55129	PL.33211	C	#4 ACSR	7.47Y	124.4	0.01	0.55	2.44	2	18	5	96	0.00	0.0	0.592	0.123	18	5	2	2	
PL.55130	PL.33209	ABC	#3/0 ACSR	7.47Y	124.4	0.03	0.58	89.57	30	1926	564	96	0.40	0.0	0.498	0.029	6	2	1	275	
PL.55131	PL.55130	ABC	#3/0 ACSR	7.46Y	124.4	0.07	0.65	89.28	30	1919	562	96	0.82	0.0	0.560	0.062	21	6	3	274	
PL.55133	PL.55131	C	#4 ACSR	7.46Y	124.4	0.00	0.65	3.16	2	23	6	97	0.00	0.0	0.564	0.004	0	0	0	3	
PD.8173	PL.55133	C	75QA	7.46Y	124.4	0.00	0.65	3.16	4	23	6	97	0.00	0.0	0.564	0.004	0	0	0	3	

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

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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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.55292	PD.8173	C	#4 ACSR	7.46Y	124.3	0.00	0.65	3.16	2	23	6	97	0.00	0.0	0.610	0.046	18	5	2	3
PL.55293	PL.55292	C	#4 ACSR	7.46Y	124.3	0.00	0.66	0.70	1	5	1	98	0.00	0.0	0.758	0.148	5	1	1	1
PL.55132	PL.55131	ABC	#3/0 ACSR	7.45Y	124.1	0.25	0.90	87.26	29	1875	548	96	2.85	0.2	0.783	0.223	0	0	0	268
PL.33496	PL.55132	B	6 A (CWC)	7.44Y	124.1	0.04	0.94	11.46	8	82	22	97	0.02	0.0	0.859	0.077	0	0	0	11
PL.33591	PL.33496	B	6 A (CWC)	7.44Y	124.1	0.00	0.94	11.46	8	82	22	97	0.00	0.0	0.861	0.001	0	0	0	11
PD.5016	PL.33591	B	35L	7.44Y	124.1	0.00	0.94	11.46	33	82	22	97	0.00	0.0	0.861	0.001	0	0	0	11
PL.33212	PD.5016	B	6 A (CWC)	7.44Y	124.0	0.06	0.99	11.46	8	82	22	97	0.03	0.0	0.966	0.106	0	0	0	11
PL.33213	PL.33212	B	6 A (CWC)	7.44Y	124.0	0.02	1.02	9.28	7	67	18	97	0.01	0.0	1.022	0.055	0	0	0	10
PL.55364	PL.33213	B	6 A (CWC)	7.44Y	123.9	0.05	1.07	4.14	3	30	8	97	0.01	0.0	1.352	0.330	13	4	3	6
PL.55365	PL.55364	B	6 A (CWC)	7.43Y	123.9	0.03	1.10	2.34	2	17	5	96	0.00	0.0	1.671	0.319	0	0	0	3
PL.33291	PL.55365	B	#4 ACSR	7.43Y	123.9	0.00	1.10	0.74	1	5	1	98	0.00	0.0	1.806	0.135	5	1	1	1
PL.55100	PL.55365	B	6 A (CWC)	7.43Y	123.9	0.00	1.10	1.60	1	11	3	96	0.00	0.0	1.716	0.045	11	3	1	2
PL.55101	PL.55100	B	6 A (CWC)	7.43Y	123.9	0.00	1.10	0.00	0	0	0	100	0.00	0.0	1.909	0.193	0	0	1	1
PL.57768	PL.33213	B	#4 ACSR	7.44Y	124.0	0.01	1.03	5.14	4	37	10	97	0.00	0.0	1.099	0.077	19	5	2	4
PL.57769	PL.57768	B	#1/0 ACSR	7.44Y	124.0	0.01	1.04	2.48	1	18	4	98	0.00	0.0	1.241	0.143	0	0	0	2
PL.54815	PL.57769	B	#1/0 ACSR	7.44Y	124.0	0.01	1.04	2.48	1	18	4	98	0.00	0.0	1.331	0.090	0	0	0	2
PL.55322	PL.54815	B	#1/0 ACSR	7.44Y	124.0	0.00	1.05	2.48	1	18	4	98	0.00	0.0	1.385	0.054	0	0	0	2
PL.55323	PL.55322	B	1/0 AL URD	7.44Y	124.0	0.00	1.05	2.48	1	18	4	98	0.00	0.0	1.442	0.057	18	5	2	2
PL.57963	PL.55323	B	1/0 AL URD	7.44Y	124.0	0.00	1.05	-0.03	0	0	0	100	0.00	0.0	1.499	0.057	0	0	0	0
PL.54816	PL.57769	B	#1/0 ACSR	7.44Y	124.0	0.00	1.04	0.00	0	0	0	100	0.00	0.0	1.321	0.080	0	0	0	0
PL.55321	PL.33212	B	6 A (CWC)	7.44Y	124.0	0.01	1.00	2.18	2	16	4	97	0.00	0.0	1.086	0.119	16	4	1	1
PL.55362	PL.55132	ABC	#3/0 ACSR	7.44Y	124.0	0.10	1.00	83.44	28	1789	522	96	1.10	0.1	0.878	0.095	22	6	3	257
PL.55363	PL.55362	ABC	#3/0 ACSR	7.44Y	123.9	0.08	1.07	82.43	27	1766	515	96	0.82	0.0	0.950	0.073	15	4	2	254
PL.55358	PL.55363	ABC	#3/0 ACSR	7.43Y	123.8	0.12	1.19	79.95	27	1712	499	96	1.27	0.1	1.069	0.118	8	2	1	247
PL.55354	PL.55358	ABC	#3/0 ACSR	7.42Y	123.7	0.06	1.26	79.59	27	1703	495	96	0.65	0.0	1.130	0.062	9	2	1	246
PL.55353	PL.55354	ABC	#3/0 ACSR	7.42Y	123.6	0.13	1.39	78.67	26	1683	489	96	1.35	0.1	1.260	0.130	0	0	0	243
PL.55348	PL.55353	ABC	#3/0 ACSR	7.41Y	123.5	0.06	1.45	78.23	26	1672	484	96	0.66	0.0	1.324	0.064	0	0	0	242
PL.55347	PL.55348	C	6 A (CWC)	7.41Y	123.5	0.00	1.45	0.00	0	0	0	100	0.00	0.0	1.325	0.001	0	0	0	0
PD.4989	PL.55347	C	75QA	7.41Y	123.5	0.00	1.45	0.00	0	0	0	100	0.00	0.0	1.325	0.001	0	0	0	0
PL.55351	PD.4989	C	6 A (CWC)	7.41Y	123.5	0.00	1.45	0.00	0	0	0	100	0.00	0.0	1.432	0.107	0	0	0	0
PL.55352	PL.55351	C	6 A (CWC)	7.41Y	123.5	0.00	1.45	0.00	0	0	0	100	0.00	0.0	1.519	0.087	0	0	0	0

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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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PL.54821	PL.55348	ABC	#3/0 ACSR	7.40Y	123.3	0.24	1.69	78.23	26	1671	483	96	2.45	0.1	1.563	0.239	4	1	4	242	
PL.54822	PL.54821	ABC	#3/0 ACSR	7.40Y	123.3	0.03	1.72	78.03	26	1665	478	96	0.32	0.0	1.594	0.032	0	0	0	238	
PL.55238	PL.54822	ABC	#3/0 ACSR	7.39Y	123.1	0.15	1.87	77.98	26	1663	478	96	1.57	0.1	1.748	0.154	2	1	3	237	
PL.55236	PL.55238	ABC	6 A (CWC)	7.39Y	123.1	0.01	1.88	2.74	2	59	16	97	0.00	0.0	1.826	0.078	0	0	0	11	
PL.55221	PL.55236	B	#2 ACSR	7.39Y	123.1	0.00	1.88	0.99	1	7	2	96	0.00	0.0	1.877	0.051	7	2	1	1	
PL.33594	PL.55236	B	6 A (CWC)	7.39Y	123.1	0.02	1.90	7.22	5	51	14	96	0.01	0.0	1.874	0.048	0	0	0	10	
PL.33527	PL.33594	B	6 A (CWC)	7.39Y	123.1	0.01	1.90	7.22	5	51	14	96	0.00	0.0	1.892	0.019	0	0	0	10	
PL.33528	PL.33527	B	6 A (CWC)	7.39Y	123.1	0.00	1.90	7.22	5	51	14	96	0.00	0.0	1.893	0.001	0	0	0	10	
PD.5018	PL.33528	B	50L	7.39Y	123.1	0.00	1.90	7.22	14	51	14	96	0.00	0.0	1.893	0.001	0	0	0	10	
PL.33537	PD.5018	B	6 A (CWC)	7.38Y	123.1	0.02	1.92	7.22	5	51	14	96	0.01	0.0	1.963	0.069	10	3	2	10	
PL.55345	PL.33537	B	6 A (CWC)	7.38Y	123.1	0.01	1.93	5.82	4	41	11	97	0.00	0.0	2.010	0.047	8	2	1	8	
PL.55346	PL.55345	B	6 A (CWC)	7.38Y	123.1	0.01	1.94	4.67	3	33	9	96	0.00	0.0	2.047	0.037	0	0	0	7	
PL.55344	PL.55346	B	#4 ACSR	7.38Y	123.1	0.00	1.94	1.24	1	9	2	98	0.00	0.0	2.121	0.073	9	2	1	1	
PL.55342	PL.55346	B	6 A (CWC)	7.38Y	123.0	0.02	1.96	3.43	2	24	7	96	0.00	0.0	2.154	0.107	1	0	1	6	
PL.55343	PL.55342	B	6 A (CWC)	7.38Y	123.0	0.01	1.96	2.14	2	15	4	97	0.00	0.0	2.222	0.068	7	2	1	4	
PL.55316	PL.55343	B	6 A (CWC)	7.38Y	123.0	0.00	1.97	1.17	1	8	2	97	0.00	0.0	2.275	0.053	6	2	2	3	
PL.55317	PL.55316	B	6 A (CWC)	7.38Y	123.0	0.00	1.97	0.29	0	2	1	89	0.00	0.0	2.366	0.091	2	1	1	1	
PL.55341	PL.55342	B	#4 ACSR	7.38Y	123.0	0.00	1.96	1.16	1	8	2	97	0.00	0.0	2.224	0.070	8	2	1	1	
PL.55220	PL.55236	ABC	#4 ACSR	7.39Y	123.1	0.00	1.88	0.00	0	0	0	100	0.00	0.0	1.876	0.051	0	0	0	0	
PL.55237	PL.55238	B	6 A (CWC)	7.38Y	123.0	0.16	2.03	54.43	39	388	107	96	0.45	0.1	1.811	0.063	0	0	0	62	
PL.55231	PL.55237	B	#4 ACSR	7.38Y	123.0	0.00	2.03	9.81	8	70	19	97	0.00	0.0	1.815	0.004	0	0	0	7	
PD.8177	PL.55231	B	75QA	7.38Y	123.0	0.00	2.03	9.81	13	70	19	97	0.00	0.0	1.815	0.004	0	0	0	7	
PL.55230	PD.8177	B	#4 ACSR	7.38Y	123.0	0.01	2.04	9.81	8	70	19	97	0.00	0.0	1.831	0.016	13	3	1	7	
PL.55232	PL.55230	B	#4 ACSR	7.38Y	123.0	0.01	2.05	8.02	6	57	16	96	0.00	0.0	1.866	0.035	12	3	2	6	
PL.55229	PL.55232	B	#4 ACSR	7.38Y	122.9	0.01	2.06	6.35	5	45	12	97	0.00	0.0	1.906	0.040	25	7	2	4	
PL.55228	PL.55229	B	#4 ACSR	7.38Y	122.9	0.00	2.06	2.82	2	20	5	97	0.00	0.0	1.941	0.035	20	5	2	2	
PL.55233	PL.55237	B	6 A (CWC)	7.38Y	123.0	0.01	2.03	44.62	32	317	88	96	0.02	0.0	1.815	0.003	0	0	0	55	
C PD.8178	PL.55233	B	50L	7.38Y	123.0	0.00	2.03	44.62	89	317	88	96	0.00	0.0	1.815	0.003	0	0	0	55	C
PL.55234	PD.8178	B	6 A (CWC)	7.37Y	122.8	0.14	2.18	44.62	32	317	88	96	0.33	0.1	1.884	0.069	1	0	1	55	
PL.55235	PL.55234	B	6 A (CWC)	7.37Y	122.8	0.00	2.18	2.36	2	17	5	96	0.00	0.0	1.941	0.057	9	2	2	5	
PL.33651	PL.55235	B	6 A (CWC)	7.37Y	122.8	0.00	2.18	1.11	1	8	2	97	0.00	0.0	1.980	0.039	8	2	3	3	

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PL.62763	PL.55234	B	6 A (CWC)	7.35Y	122.5	0.34	2.51	42.17	30	300	83	96	0.76	0.3	2.059	0.175	0	0	0	49
PL.33592	PL.62763	B	6 A (CWC)	7.35Y	122.5	0.00	2.52	1.52	1	11	3	96	0.00	0.0	2.129	0.070	3	1	1	3
PL.33650	PL.33592	B	6 A (CWC)	7.35Y	122.5	0.00	2.52	0.00	0	0	0	100	0.00	0.0	2.179	0.050	0	0	0	0
PL.33512	PL.33592	B	#4 ACSR	7.35Y	122.5	0.00	2.52	1.12	1	8	2	97	0.00	0.0	2.167	0.038	8	2	2	2
PL.62764	PL.62763	B	1/0 AL URD	7.35Y	122.5	-0.00	2.51	-0.02	0	0	0	100	0.00	0.0	2.092	0.033	0	0	0	0
PL.33203	PL.62763	B	6 A (CWC)	7.34Y	122.3	0.19	2.70	40.65	29	288	80	96	0.41	0.1	2.161	0.102	0	0	0	46
PL.62686	PL.33203	B	6 A (CWC)	7.34Y	122.3	0.01	2.71	3.34	2	24	6	97	0.00	0.0	2.214	0.053	0	0	0	4
PL.62687	PL.62686	B	6 A (CWC)	7.34Y	122.3	0.00	2.72	3.34	2	24	6	97	0.00	0.0	2.246	0.032	6	2	1	4
PL.62688	PL.62687	B	6 A (CWC)	7.34Y	122.3	0.00	2.72	2.53	2	18	5	96	0.00	0.0	2.273	0.026	6	2	1	3
PL.55059	PL.62688	B	6 A (CWC)	7.34Y	122.3	0.01	2.72	1.67	1	12	3	97	0.00	0.0	2.353	0.081	0	0	1	2
PL.34394	PL.55059	B	6 A (CWC)	7.34Y	122.3	0.00	2.73	1.67	1	12	3	97	0.00	0.0	2.427	0.074	12	3	1	1
PL.33532	PL.33203	B	6 A (CWC)	7.32Y	122.0	0.25	2.95	37.32	27	264	73	96	0.49	0.2	2.306	0.145	0	0	0	42
PL.33466	PL.33532	B	6 A (CWC)	7.32Y	122.0	0.01	2.96	2.65	2	19	5	97	0.00	0.0	2.380	0.074	0	0	0	3
PL.33467	PL.33466	B	6 A (CWC)	7.32Y	122.0	0.02	2.98	2.02	1	14	4	96	0.00	0.0	2.566	0.186	3	1	1	2
PL.33619	PL.33467	B	6 A (CWC)	7.32Y	122.0	0.01	2.98	1.55	1	11	3	96	0.00	0.0	2.756	0.190	11	3	1	1
PL.55058	PL.33466	B	#4 ACSR	7.32Y	122.0	0.00	2.96	0.62	0	4	1	97	0.00	0.0	2.460	0.079	4	1	1	1
PL.54984	PL.33532	B	6 A (CWC)	7.32Y	122.0	0.09	3.04	34.67	25	245	67	96	0.17	0.1	2.364	0.059	4	1	3	39
PL.54985	PL.54984	B	6 A (CWC)	7.30Y	121.6	0.31	3.35	34.03	24	240	66	96	0.56	0.2	2.563	0.199	0	0	0	36
PL.34400	PL.54985	B	6 A (CWC)	7.29Y	121.5	0.10	3.46	34.03	24	240	66	96	0.18	0.1	2.630	0.067	8	2	1	36
PL.33833	PL.34400	B	6 A (CWC)	7.28Y	121.3	0.24	3.69	32.94	24	232	64	96	0.41	0.2	2.789	0.159	5	1	1	35
PL.57871	PL.33833	B	6 A (CWC)	7.27Y	121.1	0.18	3.87	32.25	23	226	62	96	0.31	0.1	2.911	0.122	0	0	0	34
PL.57872	PL.57871	B	6 A (CWC)	7.26Y	121.0	0.16	4.03	32.25	23	226	62	96	0.27	0.1	3.021	0.109	8	2	1	34
PL.54978	PL.57872	B	6 A (CWC)	7.26Y	120.9	0.03	4.06	31.13	22	218	60	96	0.06	0.0	3.045	0.025	5	1	2	33
PL.54977	PL.54978	B	6 A (CWC)	7.25Y	120.8	0.09	4.16	30.42	22	213	58	96	0.15	0.1	3.110	0.065	0	0	0	31
PL.53767	PL.54977	B	#4 ACSR	7.25Y	120.8	0.02	4.17	4.87	4	34	9	97	0.00	0.0	3.204	0.094	16	4	3	5
PL.53865	PL.53767	B	#1/0 ACSR	7.25Y	120.8	0.01	4.18	2.57	1	18	5	96	0.00	0.0	3.321	0.117	6	2	1	2
PL.53866	PL.53865	B	#1/0 ACSR	7.25Y	120.8	0.00	4.18	1.72	1	12	3	97	0.00	0.0	3.415	0.094	12	3	1	1
PL.33308	PL.54977	B	6 A (CWC)	7.23Y	120.6	0.29	4.44	25.55	18	179	49	96	0.38	0.2	3.361	0.250	8	2	2	26
PL.33309	PL.33308	B	6 A (CWC)	7.23Y	120.5	0.06	4.50	24.36	17	170	46	97	0.08	0.0	3.418	0.057	8	2	1	24
PL.33606	PL.33309	B	6 A (CWC)	7.21Y	120.2	0.27	4.77	17.59	13	123	34	96	0.25	0.2	3.750	0.332	0	0	0	14
PL.33607	PL.33606	B	6 A (CWC)	7.21Y	120.1	0.09	4.86	17.59	13	122	33	97	0.09	0.1	3.867	0.117	3	1	1	14

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Balanced Voltage Drop Report
Source: Bush

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.33784	PL.33607	B	6 A (CWC)	7.20Y	120.1	0.06	4.92	15.52	11	108	29	97	0.05	0.0	3.949	0.083	0	0	0	12
PL.33786	PL.33784	B	6 A (CWC)	7.20Y	120.1	0.00	4.92	1.90	1	13	4	96	0.00	0.0	3.996	0.046	11	3	1	2
PL.34396	PL.33786	B	6 A (CWC)	7.20Y	120.1	0.00	4.92	0.26	0	2	0	100	0.00	0.0	4.024	0.028	2	0	1	1
PL.33785	PL.33784	B	6 A (CWC)	7.20Y	120.0	0.04	4.96	13.62	10	95	26	96	0.03	0.0	4.010	0.061	0	0	0	10
PL.62746	PL.33785	B	6 A (CWC)	7.20Y	120.0	0.02	4.98	5.75	4	40	11	96	0.00	0.0	4.094	0.084	20	5	2	4
PL.62692	PL.62746	B	6 A (CWC)	7.20Y	120.0	0.00	4.98	2.93	2	20	6	96	0.00	0.0	4.131	0.037	0	0	0	2
PL.59535	PL.62692	B	6 A (CWC)	7.20Y	120.0	0.00	4.98	0.00	0	0	0	100	0.00	0.0	4.161	0.030	0	0	0	0
PD.8794-A	PL.59535	B	Open	7.20Y	120.0	0.00	4.98	0.00	0	0	0	100	0.00	0.0	4.161	0.030	0	0	0	0
PL.62690	PL.62692	B	#1/0 ACSR	7.20Y	120.0	0.00	4.98	2.93	1	20	6	96	0.00	0.0	4.171	0.040	8	2	1	2
PL.62691	PL.62690	B	#1/0 ACSR	7.20Y	120.0	0.00	4.98	1.75	1	12	3	97	0.00	0.0	4.228	0.057	12	3	1	1
PL.34397	PL.33785	B	6 A (CWC)	7.20Y	120.0	0.03	4.99	7.87	6	55	15	96	0.01	0.0	4.090	0.080	10	3	1	6
PL.55000	PL.34397	B	6 A (CWC)	7.20Y	120.0	0.01	5.00	6.43	5	45	12	97	0.00	0.0	4.127	0.037	0	0	0	5
PL.55049	PL.55000	B	#2 ACSR	7.20Y	120.0	0.00	5.00	0.00	0	0	0	100	0.00	0.0	4.204	0.077	0	0	0	0
PL.55050	PL.55000	B	6 A (CWC)	7.20Y	120.0	0.01	5.01	6.43	5	45	12	97	0.00	0.0	4.165	0.038	0	0	0	5
PL.55120	PL.55050	B	#1/0 ACSR	7.20Y	120.0	0.00	5.01	1.92	1	13	4	96	0.00	0.0	4.199	0.034	0	0	0	1
PL.55121	PL.55120	B	#1/0 ACSR	7.20Y	120.0	0.00	5.01	1.92	1	13	4	96	0.00	0.0	4.311	0.111	13	4	1	1
PL.55122	PL.55120	B	#1/0 ACSR	7.20Y	120.0	0.00	5.01	0.00	0	0	0	100	0.00	0.0	4.307	0.108	0	0	0	0
PL.55051	PL.55050	B	6 A (CWC)	7.20Y	120.0	0.01	5.02	4.51	3	31	9	96	0.00	0.0	4.277	0.112	22	6	2	4
PL.55001	PL.55051	B	6 A (CWC)	7.20Y	120.0	0.00	5.03	1.28	1	9	2	98	0.00	0.0	4.353	0.076	0	0	0	2
PL.54999	PL.55001	B	6 A (CWC)	7.20Y	120.0	0.00	5.03	1.28	1	9	2	98	0.00	0.0	4.433	0.080	9	2	2	2
PL.64866	PL.33607	B	#4 ACSR	7.21Y	120.1	0.00	4.87	1.67	1	12	3	97	0.00	0.0	3.937	0.071	12	3	1	1
PL.33465	PL.33309	B	6 A (CWC)	7.23Y	120.5	0.01	4.52	5.65	4	39	10	97	0.00	0.0	3.467	0.049	0	0	0	9
PL.34401	PL.33465	B	#2 ACSR	7.23Y	120.5	0.00	4.52	0.19	0	1	0	100	0.00	0.0	3.515	0.048	0	0	0	4
PL.33495	PL.34401	B	#2 ACSR	7.23Y	120.5	0.00	4.52	0.00	0	0	0	100	0.00	0.0	3.544	0.029	0	0	1	1
PL.33647	PL.34401	B	#2 ACSR	7.23Y	120.5	0.00	4.52	0.19	0	1	0	100	0.00	0.0	3.675	0.160	0	0	1	3
PL.55041	PL.33647	B	#2 ACSR	7.23Y	120.5	0.00	4.52	0.19	0	1	0	100	0.00	0.0	4.003	0.328	1	0	1	2
PL.55042	PL.55041	B	#2 ACSR	7.23Y	120.5	0.00	4.52	0.06	0	0	0	100	0.00	0.0	4.085	0.082	0	0	1	1
PL.34402	PL.33465	B	6 A (CWC)	7.23Y	120.5	0.01	4.52	5.46	4	38	10	97	0.00	0.0	3.487	0.020	0	0	0	5
PL.64858	PL.34402	B	#2 ACSR	7.23Y	120.5	0.00	4.52	0.99	1	7	2	96	0.00	0.0	3.529	0.042	7	2	1	1
PL.33831	PL.34402	B	6 A (CWC)	7.23Y	120.4	0.03	4.55	4.47	3	31	8	97	0.01	0.0	3.636	0.149	0	0	1	4
PL.33832	PL.33831	B	#2 ACSR	7.23Y	120.4	0.01	4.56	4.43	3	31	8	97	0.00	0.0	3.706	0.070	8	2	1	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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.55043	PL.33832	B	#2 ACSR	7.23Y	120.4	0.01	4.56	3.29	2	23	6	97	0.00	0.0	3.781	0.075	14	4	1	2
PL.55044	PL.55043	B	#1/0 ACSR	7.23Y	120.4	0.00	4.57	1.22	1	9	2	98	0.00	0.0	3.801	0.020	0	0	0	1
PL.55045	PL.55044	B	1/0 AL URD	7.23Y	120.4	0.00	4.57	1.22	1	9	2	98	0.00	0.0	3.898	0.098	9	2	1	1
PL.57952	PL.57871	B	6 A (CWC)	7.27Y	121.1	0.00	3.87	0.00	0	0	0	100	0.00	0.0	3.089	0.177	0	0	0	0
PL.33285	PL.54985	B	6 A (CWC)	7.30Y	121.6	0.00	3.35	0.00	0	0	0	100	0.00	0.0	2.637	0.073	0	0	0	0
PL.55239	PL.55238	ABC	336 MCM AC	7.39Y	123.1	0.03	1.91	56.99	11	1213	352	96	0.22	0.0	1.829	0.080	0	0	0	161
PL.55225	PL.55239	ABC	336 MCM AC	7.38Y	123.1	0.02	1.92	56.80	11	1209	350	96	0.10	0.0	1.865	0.036	0	0	0	160
PL.55226	PL.55225	A	#4 ACSR	7.38Y	123.1	0.00	1.92	0.89	1	6	2	95	0.00	0.0	1.869	0.004	0	0	0	1
PD.8176	PL.55226	A	75QA	7.38Y	123.1	0.00	1.92	0.89	1	6	2	95	0.00	0.0	1.869	0.004	0	0	0	1
PL.55227	PD.8176	A	#4 ACSR	7.38Y	123.1	0.00	1.92	0.89	1	6	2	95	0.00	0.0	1.903	0.034	6	2	1	1
PL.55224	PL.55225	ABC	336 MCM AC	7.38Y	123.0	0.03	1.95	56.50	11	1202	348	96	0.20	0.0	1.939	0.074	23	6	3	159
PL.33652	PL.55224	ABC	336 MCM AC	7.38Y	123.0	0.05	2.00	55.42	11	1179	341	96	0.29	0.0	2.052	0.113	8	2	3	156
PL.33653	PL.33652	C	6 A (CWC)	7.38Y	123.0	0.00	2.00	1.49	1	11	3	96	0.00	0.0	2.053	0.001	0	0	0	2
PD.4982	PL.33653	C	75QA	7.38Y	123.0	0.00	2.00	1.49	2	11	3	96	0.00	0.0	2.053	0.001	0	0	0	2
PL.33654	PD.4982	C	6 A (CWC)	7.38Y	123.0	0.00	2.00	1.49	1	11	3	96	0.00	0.0	2.121	0.069	8	2	1	2
PL.33655	PL.33654	C	6 A (CWC)	7.38Y	123.0	0.00	2.00	0.37	0	3	1	95	0.00	0.0	2.140	0.019	3	1	1	1
PL.33620	PL.33652	ABC	336 MCM AC	7.38Y	123.0	0.04	2.04	54.56	11	1160	335	96	0.23	0.0	2.145	0.093	0	0	0	151
PL.33662	PL.33620	A	#4 ACSR	7.38Y	123.0	0.00	2.04	3.63	3	26	7	97	0.00	0.0	2.146	0.000	0	0	0	4
PD.4983	PL.33662	A	75QA	7.38Y	123.0	0.00	2.04	3.63	5	26	7	97	0.00	0.0	2.146	0.000	0	0	0	4
PL.33389	PD.4983	A	#4 ACSR	7.38Y	123.0	0.01	2.04	3.63	3	26	7	97	0.00	0.0	2.185	0.040	6	2	2	4
PL.59084	PL.33389	A	#4 ACSR	7.38Y	122.9	0.01	2.05	2.79	2	20	5	97	0.00	0.0	2.298	0.112	20	5	2	2
PL.62758	PL.33620	C	#1/0 ACSR	7.38Y	123.0	0.00	2.04	2.78	1	20	5	97	0.00	0.0	2.200	0.055	0	0	0	2
PL.62759	PL.62758	C	#1/0 ACSR	7.38Y	123.0	0.00	2.04	2.78	1	20	5	97	0.00	0.0	2.226	0.026	20	5	2	2
PL.33390	PL.33620	A	6 A (CWC)	7.38Y	123.0	0.00	2.04	1.38	1	10	3	96	0.00	0.0	2.146	0.000	0	0	0	1
PD.4977	PL.33390	A	75QA	7.38Y	123.0	0.00	2.04	1.38	2	10	3	96	0.00	0.0	2.146	0.000	0	0	0	1
PL.33391	PD.4977	A	6 A (CWC)	7.38Y	123.0	0.00	2.04	1.38	1	10	3	96	0.00	0.0	2.213	0.067	10	3	1	1
PL.33656	PL.33620	ABC	336 MCM AC	7.38Y	122.9	0.03	2.07	51.96	10	1105	320	96	0.17	0.0	2.221	0.076	5	1	1	144
PL.33304	PL.33656	ABC	336 MCM AC	7.37Y	122.9	0.02	2.09	51.74	10	1100	318	96	0.14	0.0	2.282	0.061	0	0	0	143
PL.33312	PL.33304	C	#4 ACSR	7.37Y	122.9	0.00	2.09	1.64	1	12	3	97	0.00	0.0	2.283	0.001	0	0	0	1
PD.5004	PL.33312	C	75QA	7.37Y	122.9	0.00	2.09	1.64	2	12	3	97	0.00	0.0	2.283	0.001	0	0	0	1
PL.33313	PD.5004	C	#4 ACSR	7.37Y	122.9	0.00	2.09	1.64	1	12	3	97	0.00	0.0	2.340	0.058	12	3	1	1

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PL.33311	PL.33304	ABC	336 MCM AC	7.37Y	122.9	0.04	2.13	51.20	10	1088	315	96	0.21	0.0	2.377	0.094	0	0	0	142	
PL.33263	PL.33311	ABC	336 MCM AC	7.37Y	122.8	0.04	2.16	47.35	9	1006	292	96	0.20	0.0	2.481	0.104	0	0	0	121	
PL.55245	PL.33263	C	6 A (CWC)	7.37Y	122.8	0.00	2.17	15.06	11	107	29	97	0.00	0.0	2.486	0.006	0	0	0	10	
PD.8179	PL.55245	C	30T	7.37Y	122.8	0.00	2.17	15.06	0	107	29	97	0.00	0.0	2.486	0.006	0	0	0	10	
PL.55244	PD.8179	C	6 A (CWC)	7.37Y	122.8	0.04	2.21	15.06	11	107	29	97	0.03	0.0	2.553	0.067	18	5	1	10	
PL.55246	PL.55244	C	#1/0 ACSR	7.37Y	122.8	0.00	2.21	1.35	1	10	3	96	0.00	0.0	2.608	0.055	10	3	1	1	
PL.57717	PL.55244	C	6 A (CWC)	7.37Y	122.8	0.02	2.23	11.19	8	80	22	96	0.01	0.0	2.592	0.039	0	0	0	8	
PL.57718	PL.57717	C	6 A (CWC)	7.37Y	122.8	0.02	2.25	7.41	5	53	14	97	0.01	0.0	2.649	0.057	7	2	1	6	
PL.55242	PL.57718	C	#4 ACSR	7.36Y	122.7	0.01	2.25	2.02	2	14	4	96	0.00	0.0	2.775	0.126	14	4	1	1	
PL.55243	PL.57718	C	6 A (CWC)	7.36Y	122.7	0.01	2.26	4.40	3	31	9	96	0.00	0.0	2.692	0.043	0	0	0	4	
PL.33400	PL.55243	C	6 A (CWC)	7.36Y	122.7	0.00	2.26	1.13	1	8	2	97	0.00	0.0	2.798	0.106	8	2	1	1	
PL.55247	PL.55243	C	#4 ACSR	7.36Y	122.7	0.00	2.26	3.26	3	23	6	97	0.00	0.0	2.752	0.060	23	6	2	3	
PL.55248	PL.55247	C	#4 ACSR	7.36Y	122.7	0.00	2.26	0.00	0	0	0	100	0.00	0.0	2.798	0.046	0	0	1	1	
PL.57719	PL.57717	C	6 A (CWC)	7.37Y	122.8	0.01	2.24	3.78	3	27	7	97	0.00	0.0	2.697	0.105	22	6	1	2	
PL.57716	PL.57719	C	6 A (CWC)	7.37Y	122.8	0.00	2.24	0.74	1	5	1	98	0.00	0.0	2.733	0.036	5	1	1	1	
PL.66210	PL.57716	C	#1/0 ACSR	7.37Y	122.8	-0.00	2.24	-0.02	0	0	0	100	0.00	0.0	2.786	0.053	0	0	0	0	
PL.66211	PL.66210	C	#1/0 ACSR	7.37Y	122.8	-0.00	2.24	-0.02	0	0	0	100	0.00	0.0	2.832	0.046	0	0	0	0	
PL.66212	PL.66211	C	#1/0 ACSR	7.37Y	122.8	-0.00	2.24	-0.02	0	0	0	100	0.00	0.0	2.896	0.064	0	0	0	0	
PL.66213	PL.66212	C	1/0 AL URD	7.37Y	122.8	0.00	2.24	-0.02	0	0	0	100	0.00	0.0	2.936	0.040	0	0	0	0	
PL.33172	PL.33263	ABC	336 MCM AC	7.37Y	122.8	0.08	2.24	42.33	8	898	262	96	0.36	0.0	2.720	0.240	0	0	0	111	
PL.33173	PL.33172	ABC	336 MCM AC	7.36Y	122.7	0.02	2.26	40.17	8	852	249	96	0.08	0.0	2.782	0.062	0	0	0	104	
PL.33498	PL.33173	ABC	336 MCM AC	7.36Y	122.7	0.04	2.30	29.34	6	624	174	96	0.13	0.0	2.967	0.185	0	0	0	79	
PL.55110	PL.33498	C	6 A (CWC)	7.35Y	122.4	0.26	2.56	81.18	58	576	160	96	1.13	0.2	3.038	0.071	3	1	1	72	
PL.55111	PL.55110	C	6 A (CWC)	7.35Y	122.4	0.00	2.57	80.68	58	571	159	96	0.01	0.0	3.039	0.000	0	0	0	71	
PD.4942	PL.55111	C	70L	7.35Y	122.4	0.00	2.57	80.68	115	571	159	96	0.00	0.0	3.039	0.000	0	0	0	71	C
PL.55078	PD.4942	C	6 A (CWC)	7.33Y	122.2	0.24	2.80	80.68	58	571	159	96	1.00	0.2	3.103	0.065	17	5	4	71	
PL.55079	PL.55078	C	#4 ACSR	7.33Y	122.2	0.01	2.81	2.50	2	18	5	96	0.00	0.0	3.206	0.102	4	1	1	2	
PL.33403	PL.55079	C	#4 ACSR	7.33Y	122.2	0.00	2.81	1.94	1	14	4	96	0.00	0.0	3.256	0.050	14	4	1	1	
PL.55077	PL.55078	C	6 A (CWC)	7.32Y	122.1	0.15	2.95	75.80	54	535	149	96	0.58	0.1	3.146	0.042	4	1	1	65	
PL.55054	PL.55077	C	6 A (CWC)	7.31Y	121.8	0.23	3.18	70.16	50	495	138	96	0.87	0.2	3.219	0.073	2	0	1	57	
PL.55055	PL.55054	C	6 A (CWC)	7.30Y	121.6	0.22	3.40	69.91	50	492	136	96	0.81	0.2	3.287	0.068	0	0	0	56	

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Balanced Voltage Drop Report
Source: Bush

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.55052	PL.55055	C	#4 ACSR	7.30Y	121.6	0.00	3.40	2.85	2	20	5	97	0.00	0.0	3.340	0.053	20	5	2	2
PL.33407	PL.55055	C	6 A (CWC)	7.28Y	121.3	0.33	3.73	67.06	48	472	131	96	1.16	0.2	3.394	0.108	6	2	1	54
PL.61215	PL.33407	C	6 A (CWC)	7.27Y	121.1	0.16	3.89	59.54	43	418	115	96	0.51	0.1	3.453	0.059	0	0	0	50
PL.62780	PL.61215	C	6 A (CWC)	7.27Y	121.1	0.00	3.89	59.54	43	417	115	96	0.00	0.0	3.453	0.000	10	3	1	50
PL.62781	PL.62780	C	6 A (CWC)	7.25Y	120.8	0.28	4.16	58.15	42	407	112	96	0.84	0.2	3.559	0.106	14	4	2	49
PL.53899	PL.62781	C	#1/0 ACSR	7.25Y	120.8	0.06	4.23	43.28	19	303	83	96	0.13	0.0	3.622	0.063	0	0	0	36
PL.61248	PL.53899	C	#1/0 ACSR	7.25Y	120.8	0.00	4.23	0.00	0	0	0	100	0.00	0.0	3.649	0.027	0	0	0	0
PL.51856	PL.53899	C	#1/0 ACSR	7.24Y	120.7	0.05	4.28	43.28	19	302	83	96	0.10	0.0	3.671	0.049	15	4	1	36
PL.51855	PL.51856	C	#1/0 ACSR	7.24Y	120.7	0.07	4.34	41.20	18	288	79	96	0.13	0.0	3.741	0.069	0	0	0	35
PL.51963	PL.51855	C	#1/0 ACSR	7.24Y	120.7	0.00	4.34	0.99	0	7	2	96	0.00	0.0	3.759	0.018	0	0	0	1
PL.53636	PL.51963	C	#4 ACSR	7.24Y	120.7	0.00	4.34	0.99	1	7	2	96	0.00	0.0	3.896	0.137	7	2	1	1
PL.53974	PL.51855	C	#1/0 ACSR	7.23Y	120.6	0.08	4.42	40.21	17	281	77	96	0.15	0.1	3.827	0.086	0	0	0	34
PL.51964	PL.53974	C	#1/0 ACSR	7.22Y	120.4	0.18	4.60	39.07	17	273	75	96	0.33	0.1	4.024	0.197	0	0	0	32
PL.51967	PL.51964	C	#1/0 ACSR	7.22Y	120.4	0.02	4.62	37.30	16	260	71	96	0.03	0.0	4.047	0.023	0	0	0	31
PL.51732	PL.51967	C	#1/0 ACSR	7.22Y	120.4	0.02	4.64	34.70	15	242	66	96	0.04	0.0	4.077	0.030	9	3	1	29
PL.51734	PL.51732	C	#1/0 ACSR	7.22Y	120.3	0.04	4.68	14.31	6	100	27	97	0.03	0.0	4.207	0.130	8	2	2	13
PL.55084	PL.51734	C	#4 ACSR	7.22Y	120.3	0.01	4.69	11.84	9	82	23	96	0.01	0.0	4.228	0.020	8	2	1	9
PL.55086	PL.55084	C	#4 ACSR	7.22Y	120.3	0.02	4.71	10.64	8	74	20	97	0.01	0.0	4.262	0.034	7	2	1	8
PL.55085	PL.55086	C	#4 ACSR	7.22Y	120.3	0.01	4.72	9.59	7	67	18	97	0.00	0.0	4.281	0.019	0	0	0	7
PD.7995	PL.55085	C	50QA	7.22Y	120.3	0.00	4.72	9.59	19	67	18	97	0.00	0.0	4.281	0.019	0	0	0	7
PL.51958	PD.7995	C	#4 ACSR	7.22Y	120.3	0.00	4.72	9.59	7	67	18	97	0.00	0.0	4.281	0.000	0	0	1	7
PL.55087	PL.51958	C	6 A (CWC)	7.22Y	120.3	0.00	4.72	1.36	1	10	3	96	0.00	0.0	4.324	0.042	10	3	1	1
PL.55083	PL.55087	C	6 A (CWC)	7.22Y	120.3	0.00	4.72	0.00	0	0	0	100	0.00	0.0	4.374	0.050	0	0	0	0
PD.7956-B	PL.55083	C	Open	7.22Y	120.3	0.00	4.72	0.00	0	0	0	100	0.00	0.0	4.374	0.050	0	0	0	0
PL.51957	PL.51958	C	6 A (CWC)	7.22Y	120.3	0.02	4.74	2.49	2	17	5	96	0.00	0.0	4.499	0.217	0	0	0	1
PL.55088	PL.51957	C	#4 ACSR	7.21Y	120.2	0.01	4.75	2.49	2	17	5	96	0.00	0.0	4.619	0.120	17	5	1	1
PL.51959	PL.51957	C	6 A (CWC)	7.22Y	120.3	0.00	4.74	0.00	0	0	0	100	0.00	0.0	4.706	0.208	0	0	0	0
PL.55089	PL.51958	C	#2 ACSR	7.22Y	120.3	0.00	4.72	5.72	3	40	11	96	0.00	0.0	4.309	0.027	7	2	1	4
PL.55090	PL.55089	C	#2 ACSR	7.22Y	120.3	0.01	4.73	4.65	3	32	9	96	0.00	0.0	4.367	0.058	10	3	1	3
PL.54991	PL.55090	C	#2 ACSR	7.22Y	120.3	0.00	4.73	3.17	2	22	6	96	0.00	0.0	4.396	0.030	22	6	2	2
PL.51864	PL.51734	C	#4 ACSR	7.22Y	120.3	0.00	4.68	1.36	1	9	3	95	0.00	0.0	4.209	0.001	0	0	0	2

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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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.7939	PL.51864	C	40QA	7.22Y	120.3	0.00	4.68	1.36	3	9	3	95	0.00	0.0	4.209	0.001	0	0	0	2
PL.51863	PD.7939	C	#4 ACSR	7.22Y	120.3	0.00	4.69	1.36	1	9	3	95	0.00	0.0	4.255	0.046	9	3	1	2
PL.54990	PL.51863	C	#4 ACSR	7.22Y	120.3	0.00	4.69	0.00	0	0	0	100	0.00	0.0	4.355	0.100	0	0	1	1
PL.51735	PL.51732	C	#4 ACSR	7.22Y	120.4	0.00	4.64	19.07	15	133	36	97	0.00	0.0	4.077	0.000	0	0	0	15
PD.7938	PL.51735	C	30T	7.22Y	120.4	0.00	4.64	19.07	0	133	36	97	0.00	0.0	4.077	0.000	0	0	0	15
PL.51857	PD.7938	C	#4 ACSR	7.22Y	120.4	0.00	4.64	19.07	15	133	36	97	0.00	0.0	4.078	0.000	0	0	0	15
PL.51861	PL.51857	C	#2 ACSR	7.22Y	120.4	0.00	4.64	0.88	1	6	2	95	0.00	0.0	4.113	0.036	6	2	1	1
PL.61199	PL.51857	C	#4 ACSR	7.22Y	120.3	0.01	4.66	18.19	14	127	35	96	0.01	0.0	4.097	0.020	19	5	2	14
PL.61198	PL.61199	C	#4 ACSR	7.22Y	120.3	0.03	4.69	15.44	12	108	29	97	0.03	0.0	4.144	0.046	0	0	0	12
PL.51858	PL.61198	C	#4 ACSR	7.22Y	120.3	0.01	4.70	6.84	5	48	13	97	0.00	0.0	4.196	0.053	41	11	4	5
PL.51859	PL.51858	C	#4 ACSR	7.22Y	120.3	0.00	4.70	0.91	1	6	2	95	0.00	0.0	4.241	0.044	6	2	1	1
PL.57537	PL.61198	C	#4 ACSR	7.22Y	120.3	0.01	4.70	8.60	7	60	16	97	0.01	0.0	4.177	0.034	9	2	1	7
PL.57536	PL.57537	C	#4 ACSR	7.22Y	120.3	0.02	4.72	7.31	6	51	14	96	0.01	0.0	4.242	0.065	0	0	0	6
PL.51862	PL.57536	C	#2 ACSR	7.22Y	120.3	0.00	4.72	2.04	1	14	4	96	0.00	0.0	4.262	0.020	14	4	2	2
PL.55080	PL.57536	C	#4 ACSR	7.22Y	120.3	0.01	4.74	5.27	4	37	10	97	0.00	0.0	4.298	0.056	8	2	1	4
PL.55082	PL.55080	C	#1/0 ACSR	7.22Y	120.3	0.00	4.74	1.51	1	11	3	96	0.00	0.0	4.362	0.063	11	3	1	1
PL.55081	PL.55080	C	#4 ACSR	7.22Y	120.3	0.00	4.74	2.57	2	18	5	96	0.00	0.0	4.329	0.031	18	5	2	2
PL.51733	PL.51967	C	#4 ACSR	7.22Y	120.4	0.00	4.62	2.60	2	18	5	96	0.00	0.0	4.047	0.000	0	0	0	2
PD.7263	PL.51733	C	50QA	7.22Y	120.4	0.00	4.62	2.60	5	18	5	96	0.00	0.0	4.047	0.000	0	0	0	2
PL.46203	PD.7263	C	#1/0 ACSR	7.22Y	120.4	0.01	4.63	2.60	1	18	5	96	0.00	0.0	4.150	0.103	0	0	0	2
PL.46204	PL.46203	C	#4 ACSR	7.22Y	120.4	0.00	4.63	1.45	1	10	3	96	0.00	0.0	4.203	0.053	10	3	1	1
PL.51860	PL.46203	C	#4 ACSR	7.22Y	120.4	0.00	4.63	1.15	1	8	2	97	0.00	0.0	4.203	0.053	8	2	1	1
PL.51968	PL.51964	C	#4 ACSR	7.22Y	120.4	0.00	4.60	1.77	1	12	3	97	0.00	0.0	4.060	0.036	12	3	1	1
PL.51965	PL.53974	C	#1/0 ACSR	7.23Y	120.6	0.00	4.42	0.54	0	4	1	97	0.00	0.0	3.843	0.016	4	1	1	1
PL.51966	PL.53974	C	#4 ACSR	7.23Y	120.6	0.00	4.42	0.60	0	4	1	97	0.00	0.0	3.919	0.092	4	1	1	1
PL.53898	PL.62781	C	6 A (CWC)	7.25Y	120.8	0.06	4.23	12.91	9	90	25	96	0.04	0.0	3.667	0.108	6	2	2	11
PL.53735	PL.53898	C	6 A (CWC)	7.25Y	120.8	0.01	4.23	12.07	9	84	23	96	0.00	0.0	3.681	0.014	39	11	3	9
PL.53751	PL.53735	C	6 A (CWC)	7.24Y	120.7	0.02	4.26	6.50	5	45	12	97	0.01	0.0	3.761	0.080	0	0	0	6
PL.53869	PL.53751	C	6 A (CWC)	7.24Y	120.7	0.01	4.27	4.81	3	34	9	97	0.00	0.0	3.837	0.076	9	2	1	5
PL.57550	PL.53869	C	6 A (CWC)	7.24Y	120.7	0.01	4.28	3.28	2	23	6	97	0.00	0.0	3.934	0.097	5	1	1	3
PL.57552	PL.57550	C	#1/0 ACSR	7.24Y	120.7	0.00	4.28	2.58	1	18	5	96	0.00	0.0	3.964	0.030	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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.53846	PL.57552	C	#1/0 ACSR	7.24Y	120.7	0.00	4.29	1.46	1	10	3	96	0.00	0.0	4.014	0.050	10	3	1	1
PL.53891	PL.57552	C	#1/0 ACSR	7.24Y	120.7	0.00	4.29	1.12	0	8	2	97	0.00	0.0	4.046	0.082	8	2	1	1
PL.53890	PL.53891	C	#1/0 ACSR	7.24Y	120.7	0.00	4.29	0.00	0	0	0	100	0.00	0.0	4.152	0.106	0	0	0	0
PL.57551	PL.57550	C	6 A (CWC)	7.24Y	120.7	0.00	4.28	0.00	0	0	0	100	0.00	0.0	3.967	0.033	0	0	0	0
PL.53868	PL.53869	C	#2 ACSR	7.24Y	120.7	0.00	4.27	0.29	0	2	1	89	0.00	0.0	3.882	0.046	2	1	1	1
PL.53752	PL.53751	C	#1/0 ACSR	7.24Y	120.7	0.00	4.26	1.69	1	12	3	97	0.00	0.0	3.801	0.040	12	3	1	1
PL.33408	PL.33407	C	6 A (CWC)	7.28Y	121.3	0.01	3.74	6.68	5	47	13	96	0.01	0.0	3.442	0.048	0	0	0	3
PL.33625	PL.33408	C	#2 ACSR	7.28Y	121.3	0.00	3.74	0.57	0	4	1	97	0.00	0.0	3.475	0.032	4	1	1	1
PL.64334	PL.33408	C	6 A (CWC)	7.28Y	121.3	0.01	3.75	6.11	4	43	12	96	0.00	0.0	3.465	0.023	0	0	0	2
PL.64335	PL.64334	C	6 A (CWC)	7.28Y	121.3	0.00	3.75	6.11	4	43	12	96	0.00	0.0	3.465	0.000	43	12	2	2
PL.55053	PL.55077	C	6 A (CWC)	7.32Y	122.0	0.01	2.95	5.03	4	36	10	96	0.00	0.0	3.177	0.031	0	0	1	7
PL.33406	PL.55053	C	6 A (CWC)	7.32Y	122.0	0.01	2.96	5.03	4	36	10	96	0.00	0.0	3.216	0.039	27	7	2	6
PL.62739	PL.33406	C	#1/0 ACSR	7.32Y	122.0	0.00	2.96	0.00	0	0	0	100	0.00	0.0	3.247	0.031	0	0	1	1
PL.53830	PL.33406	C	6 A (CWC)	7.32Y	122.0	0.00	2.96	1.20	1	9	2	98	0.00	0.0	3.299	0.083	9	2	3	3
PL.33404	PL.33498	ABC	336 MCM AC	7.36Y	122.7	0.00	2.30	2.28	0	49	13	97	0.00	0.0	3.022	0.055	14	4	2	7
PL.33405	PL.33404	ABC	336 MCM AC	7.36Y	122.7	0.00	2.30	1.62	0	34	9	97	0.00	0.0	3.095	0.073	15	4	2	5
PL.64859	PL.33405	ABC	336 MCM AC	7.36Y	122.7	0.00	2.30	0.93	0	20	5	97	0.00	0.0	3.172	0.077	0	0	0	3
PL.33163	PL.64859	A	#4 ACSR	7.36Y	122.7	0.00	2.31	1.04	1	7	2	96	0.00	0.0	3.350	0.178	7	2	1	1
PL.64860	PL.64859	ABC	336 MCM AC	7.36Y	122.7	0.00	2.30	0.58	0	12	3	97	0.00	0.0	3.234	0.062	12	3	2	2
PL.64861	PL.64860	ABC	336 MCM AC	7.36Y	122.7	0.00	2.30	0.00	0	0	0	100	0.00	0.0	3.276	0.042	0	0	0	0
PD.4951-B	PL.64861	ABC	Open	7.36Y	122.7	0.00	2.30	0.00	0	0	0	100	0.00	0.0	3.276	0.042	0	0	0	0
PL.33254	PL.33173	ABC	#4 ACSR	7.36Y	122.7	0.02	2.28	10.84	8	228	74	95	0.03	0.0	2.821	0.038	9	3	1	25
PL.33402	PL.33254	B	#4 ACSR	7.36Y	122.7	0.05	2.32	21.55	17	153	41	97	0.06	0.0	2.875	0.054	14	4	2	23
PL.57987	PL.33402	B	#4 ACSR	7.36Y	122.7	0.00	2.33	16.31	13	116	30	97	0.00	0.0	2.879	0.004	0	0	0	18
PD.8399	PL.57987	B	60QA	7.36Y	122.7	0.00	2.33	16.31	27	116	30	97	0.00	0.0	2.879	0.004	0	0	0	18
PL.59072	PD.8399	B	#4 ACSR	7.36Y	122.7	0.02	2.35	16.31	13	116	30	97	0.02	0.0	2.908	0.029	2	0	1	18
PL.59070	PL.59072	B	#4 ACSR	7.36Y	122.6	0.00	2.35	4.97	4	35	10	96	0.00	0.0	2.952	0.045	35	10	4	4
PL.59071	PL.59072	B	#4 ACSR	7.36Y	122.6	0.02	2.37	11.10	9	79	20	97	0.01	0.0	2.949	0.041	6	2	1	13
PL.55109	PL.59071	B	#4 ACSR	7.36Y	122.6	0.00	2.37	0.98	1	7	2	96	0.00	0.0	3.003	0.054	7	2	1	1
PL.55103	PL.59071	B	#2 ACSR	7.36Y	122.6	0.01	2.38	4.66	3	33	9	96	0.00	0.0	3.010	0.061	8	2	1	4
PL.54997	PL.55103	B	#2 ACSR	7.36Y	122.6	0.00	2.38	3.56	2	25	7	96	0.00	0.0	3.019	0.009	0	0	1	3

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

Balanced Voltage Drop Report
Source: Bush

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PL.54998	PL.54997	B	#2 ACSR	7.36Y	122.6	0.00	2.38	3.55	2	25	7	96	0.00	0.0	3.034	0.014	12	3	1	2	
PL.54996	PL.54998	B	#2 ACSR	7.36Y	122.6	0.00	2.38	1.83	1	13	4	96	0.00	0.0	3.049	0.015	13	4	1	1	
PL.55107	PL.59071	B	#4 ACSR	7.36Y	122.6	0.01	2.38	4.63	4	33	8	97	0.00	0.0	2.993	0.044	12	3	2	7	
PL.55108	PL.55107	B	#4 ACSR	7.36Y	122.6	0.01	2.38	2.95	2	21	4	98	0.00	0.0	3.038	0.045	0	0	0	5	
PL.55106	PL.55108	B	#1/0 ACSR	7.36Y	122.6	-0.00	2.38	-0.19	0	0	-1	0	0.00	0.0	3.049	0.011	0	0	0	0	
PL.53838	PL.55106	B	1/0 AL URD	7.36Y	122.6	-0.00	2.38	-0.16	0	0	-1	0	0.00	0.0	3.069	0.021	0	0	0	0	
PL.53839	PL.53838	B	1/0 AL URD	7.36Y	122.6	-0.00	2.38	-0.15	0	0	-1	0	0.00	0.0	3.109	0.039	0	0	0	0	
PL.53840	PL.53839	B	1/0 AL URD	7.36Y	122.6	-0.00	2.38	-0.13	0	0	-1	0	0.00	0.0	3.136	0.027	0	0	0	0	
PL.53841	PL.53840	B	1/0 AL URD	7.36Y	122.6	-0.00	2.38	-0.12	0	0	-1	0	0.00	0.0	3.193	0.057	0	0	0	0	
PL.53842	PL.53841	B	1/0 AL URD	7.36Y	122.6	-0.00	2.38	-0.08	0	0	-1	0	0.00	0.0	3.239	0.046	0	0	0	0	
PL.53843	PL.53842	B	1/0 AL URD	7.36Y	122.6	-0.00	2.38	-0.06	0	0	0	100	0.00	0.0	3.294	0.055	0	0	0	0	
PL.53844	PL.53843	B	1/0 AL URD	7.36Y	122.6	0.00	2.38	-0.03	0	0	0	100	0.00	0.0	3.320	0.026	0	0	0	0	
P PL.53845	PL.53844	B	1/0 AL URD	7.36Y	122.6	-0.00	2.38	-0.02	0	0	0	100	0.00	0.0	3.351	0.031	0	0	0	0	P
PL.53837	PL.55106	B	1/0 AL URD	7.36Y	122.6	-0.00	2.38	-0.03	0	0	0	100	0.00	0.0	3.101	0.052	0	0	0	0	
PL.55105	PL.55108	B	#4 ACSR	7.36Y	122.6	0.00	2.38	0.00	0	0	0	100	0.00	0.0	3.084	0.046	0	0	0	0	
PL.55104	PL.55108	B	#4 ACSR	7.36Y	122.6	0.00	2.38	2.99	2	21	6	96	0.00	0.0	3.068	0.029	21	6	5	5	
PL.57985	PL.33402	B	#4 ACSR	7.36Y	122.7	0.00	2.33	3.27	3	23	6	97	0.00	0.0	2.909	0.034	11	3	1	3	
PL.57986	PL.57985	B	#4 ACSR	7.36Y	122.7	0.00	2.33	1.77	1	13	3	97	0.00	0.0	2.954	0.045	13	3	2	2	
PL.64865	PL.33254	ABC	#4 ACSR	7.36Y	122.7	0.00	2.28	3.26	3	65	31	90	0.00	0.0	2.842	0.021	65	31	1	1	
PL.33180	PL.33172	C	#4 ACSR	7.37Y	122.8	0.00	2.24	6.48	5	46	13	96	0.00	0.0	2.721	0.001	0	0	0	7	
PD.4954	PL.33180	C	60QA	7.37Y	122.8	0.00	2.24	6.48	11	46	13	96	0.00	0.0	2.721	0.001	0	0	0	7	
PL.33593	PD.4954	C	#4 ACSR	7.36Y	122.7	0.01	2.25	6.48	5	46	13	96	0.00	0.0	2.754	0.033	5	1	2	7	
PL.33401	PL.33593	C	#4 ACSR	7.36Y	122.7	0.01	2.26	5.81	4	41	11	97	0.00	0.0	2.783	0.028	9	2	2	5	
PL.53867	PL.33401	C	#4 ACSR	7.36Y	122.7	0.00	2.26	4.52	3	32	9	96	0.00	0.0	2.818	0.035	32	9	3	3	
PL.33392	PL.33311	C	6 A (CWC)	7.37Y	122.9	0.00	2.13	0.00	0	0	0	100	0.00	0.0	2.377	0.000	0	0	0	2	
PD.4898	PL.33392	C	75QA	7.37Y	122.9	0.00	2.13	0.00	0	0	0	100	0.00	0.0	2.377	0.000	0	0	0	2	
PL.33393	PD.4898	C	6 A (CWC)	7.37Y	122.9	0.00	2.13	0.00	0	0	0	100	0.00	0.0	2.397	0.020	0	0	2	2	
PL.33503	PL.33311	A	6 A (CWC)	7.37Y	122.9	0.00	2.13	11.56	8	82	22	97	0.00	0.0	2.377	0.000	0	0	0	19	
PD.4941	PL.33503	A	50L	7.37Y	122.9	0.00	2.13	11.56	23	82	22	97	0.00	0.0	2.377	0.000	0	0	0	19	
PL.33394	PD.4941	A	6 A (CWC)	7.37Y	122.8	0.03	2.16	11.56	8	82	22	97	0.02	0.0	2.436	0.059	5	1	1	19	
PL.33504	PL.33394	A	6 A (CWC)	7.37Y	122.8	0.03	2.19	10.92	8	78	21	97	0.02	0.0	2.496	0.060	1	0	2	18	

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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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.33457	PL.33504	A	6 A (CWC)	7.37Y	122.8	0.00	2.19	0.49	0	3	1	95	0.00	0.0	2.615	0.119	3	1	2	2
PL.33505	PL.33504	A	6 A (CWC)	7.36Y	122.7	0.08	2.27	10.31	7	73	20	96	0.04	0.1	2.675	0.180	7	2	1	14
PL.33398	PL.33505	A	6 A (CWC)	7.36Y	122.7	0.01	2.27	5.01	4	36	10	96	0.00	0.0	2.720	0.045	30	8	3	9
PL.55162	PL.33398	A	6 A (CWC)	7.36Y	122.7	0.00	2.28	0.72	1	5	1	98	0.00	0.0	2.850	0.130	0	0	1	6
PL.55163	PL.55162	A	6 A (CWC)	7.36Y	122.7	0.00	2.28	0.71	1	5	1	98	0.00	0.0	3.004	0.153	1	0	1	5
PL.55155	PL.55163	A	6 A (CWC)	7.36Y	122.7	0.00	2.29	0.60	0	4	1	97	0.00	0.0	3.093	0.089	0	0	0	4
PL.55156	PL.55155	A	6 A (CWC)	7.36Y	122.7	0.00	2.29	0.56	0	4	1	97	0.00	0.0	3.131	0.038	4	1	1	1
PL.33399	PL.55155	A	#4 ACSR	7.36Y	122.7	0.00	2.29	0.04	0	0	0	100	0.00	0.0	3.138	0.045	0	0	0	3
PL.55157	PL.33399	A	#4 ACSR	7.36Y	122.7	0.00	2.29	0.04	0	0	0	100	0.00	0.0	3.241	0.103	0	0	3	3
PL.33395	PL.33505	A	6 A (CWC)	7.36Y	122.7	0.01	2.28	2.98	2	21	6	96	0.00	0.0	2.741	0.065	8	2	1	3
PL.33396	PL.33395	A	6 A (CWC)	7.36Y	122.7	0.01	2.28	1.89	1	13	4	96	0.00	0.0	2.849	0.109	4	1	1	2
PL.33397	PL.33396	A	6 A (CWC)	7.36Y	122.7	0.00	2.29	1.39	1	10	3	96	0.00	0.0	2.916	0.067	10	3	1	1
PL.33589	PL.33505	A	6 A (CWC)	7.36Y	122.7	0.00	2.27	1.39	1	10	3	96	0.00	0.0	2.764	0.089	10	3	1	1
PL.55222	PL.55239	B	#1/0 ACSR	7.39Y	123.1	0.00	1.91	0.57	0	4	1	97	0.00	0.0	1.832	0.003	0	0	0	1
PD.8175	PL.55222	B	10QA	7.39Y	123.1	0.00	1.91	0.57	0	4	1	97	0.00	0.0	1.832	0.003	0	0	0	1
PL.55223	PD.8175	B	#1/0 ACSR	7.39Y	123.1	0.00	1.91	0.57	0	4	1	97	0.00	0.0	1.857	0.025	4	1	1	1
PL.54817	PL.54822	ABC	#4 ACSR	7.40Y	123.3	0.00	1.72	0.05	0	1	0	100	0.00	0.0	1.597	0.002	0	0	0	1
PD.8196	PL.54817	ABC	25QA	7.40Y	123.3	0.00	1.72	0.05	0	1	0	100	0.00	0.0	1.597	0.002	0	0	0	1
PL.54818	PD.8196	ABC	#4 ACSR	7.40Y	123.3	0.00	1.72	0.05	0	1	0	100	0.00	0.0	1.654	0.057	0	0	0	1
PL.54819	PL.54818	ABC	#4 ACSR	7.40Y	123.3	0.00	1.72	0.00	0	0	0	100	0.00	0.0	1.677	0.023	0	0	0	0
PL.54820	PL.54818	A	#2 ACSR	7.40Y	123.3	0.00	1.72	0.16	0	1	0	100	0.00	0.0	1.655	0.001	0	0	0	1
PD.5003	PL.54820	A	75QA	7.40Y	123.3	0.00	1.72	0.16	0	1	0	100	0.00	0.0	1.655	0.001	0	0	0	1
PL.33649	PD.5003	A	#2 ACSR	7.40Y	123.3	0.00	1.72	0.16	0	1	0	100	0.00	0.0	1.693	0.039	1	0	1	1
PL.55349	PL.55353	C	#1/0 ACSR	7.42Y	123.6	0.00	1.39	1.32	1	9	3	95	0.00	0.0	1.263	0.003	0	0	0	1
PD.8191	PL.55349	C	20QA	7.42Y	123.6	0.00	1.39	1.32	7	9	3	95	0.00	0.0	1.263	0.003	0	0	0	1
PL.55350	PD.8191	C	#1/0 ACSR	7.42Y	123.6	0.00	1.39	1.32	1	9	3	95	0.00	0.0	1.273	0.010	9	3	1	1
PL.55355	PL.55354	C	6 A (CWC)	7.42Y	123.7	0.00	1.26	1.57	1	11	3	96	0.00	0.0	1.134	0.003	0	0	0	2
PD.8192	PL.55355	C	75QA	7.42Y	123.7	0.00	1.26	1.57	2	11	3	96	0.00	0.0	1.134	0.003	0	0	0	2
PL.55356	PD.8192	C	6 A (CWC)	7.42Y	123.7	0.00	1.26	1.57	1	11	3	96	0.00	0.0	1.176	0.042	5	1	1	2
PL.55357	PL.55356	C	6 A (CWC)	7.42Y	123.7	0.00	1.26	0.83	1	6	2	95	0.00	0.0	1.204	0.028	6	2	1	1
PL.55360	PL.55363	C	6 A (CWC)	7.44Y	123.9	0.00	1.07	5.35	4	38	10	97	0.00	0.0	0.954	0.004	0	0	0	5

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Balanced Voltage Drop Report
Source: Bush

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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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.8193	PL.55360	C	75QA	7.44Y	123.9	0.00	1.07	5.35	7	38	10	97	0.00	0.0	0.954	0.004	0	0	0	5
PL.55361	PD.8193	C	6 A (CWC)	7.43Y	123.9	0.01	1.09	5.35	4	38	10	97	0.00	0.0	1.023	0.069	23	6	3	5
PL.55359	PL.55361	C	6 A (CWC)	7.43Y	123.9	0.00	1.09	2.11	2	15	4	97	0.00	0.0	1.086	0.063	15	4	2	2
CP.49	PL.33551	ABC	Cap (300)	7.48Y	124.6	0.00	0.41	0.00	0	0	0	100	0.00	0.0	0.357	0.063	0	0	0	0
PL.54824	PL.55135	C	6 A (CWC)	7.48Y	124.6	0.00	0.40	5.75	4	41	11	97	0.00	0.0	0.349	0.004	0	0	0	7
PD.8197	PL.54824	C	75QA	7.48Y	124.6	0.00	0.40	5.75	8	41	11	97	0.00	0.0	0.349	0.004	0	0	0	7
PL.54825	PD.8197	C	6 A (CWC)	7.48Y	124.6	0.01	0.41	5.75	4	41	11	97	0.00	0.0	0.403	0.054	4	1	1	7
PL.55384	PL.54825	C	#1/0 ACSR	7.48Y	124.6	0.00	0.42	3.23	1	23	6	97	0.00	0.0	0.422	0.019	5	1	1	3
PL.55367	PL.55384	C	#1/0 ACSR	7.48Y	124.6	0.00	0.42	2.60	1	19	5	97	0.00	0.0	0.456	0.034	19	5	2	2
PL.64873	PL.54825	C	6 A (CWC)	7.47Y	124.6	0.01	0.42	1.89	1	14	4	96	0.00	0.0	0.473	0.070	0	0	1	3
PL.64874	PL.64873	C	6 A (CWC)	7.47Y	124.6	0.00	0.42	1.89	1	14	4	96	0.00	0.0	0.539	0.066	14	4	2	2
PL.52864	Bush	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	216.83	42	4591	1649	94	0.01	0.0	0.002	0.002	0	0	0	684
PL.52865	PL.52864	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	216.83	42	4591	1649	94	0.02	0.0	0.005	0.003	0	0	0	684
---------- Feeder No. 1 (Marydale F1) Beginning with Device PD.8053 ----------																				
PD.8053	PL.52865	ABC	480VWE	7.50Y	125.0	0.00	0.00	216.83	0	4591	1649	94	0.00	0.0	0.005	0.003	0	0	0	684
PL.33355	PD.8053	ABC	397 SPACER	7.50Y	124.9	0.07	0.07	216.83	42	4591	1649	94	0.52	0.0	0.089	0.084	48	13	1	684
PL.33356	PL.33355	ABC	397 SPACER	7.50Y	124.9	0.00	0.07	214.60	41	4542	1630	94	0.04	0.0	0.095	0.006	10	3	1	683
PL.33357	PL.33356	ABC	397 SPACER	7.50Y	124.9	0.00	0.08	214.15	41	4533	1626	94	0.01	0.0	0.097	0.002	0	0	0	682
PL.33621	PL.33357	ABC	#3/0 ACSR	7.47Y	124.5	0.39	0.47	214.15	71	4533	1626	94	10.53	0.2	0.234	0.137	12	3	2	682
PL.33595	PL.33621	ABC	#3/0 ACSR	7.46Y	124.4	0.17	0.63	213.59	71	4510	1608	94	4.47	0.1	0.292	0.058	0	0	0	680
PL.33360	PL.33595	ABC	#3/0 ACSR	7.45Y	124.2	0.20	0.84	213.56	71	4505	1601	94	5.50	0.1	0.364	0.072	13	4	1	679
PL.33361	PL.33360	ABC	#3/0 ACSR	7.45Y	124.1	0.07	0.91	212.95	71	4486	1589	94	1.85	0.0	0.389	0.024	3	1	1	678
PL.55249	PL.33361	ABC	#3/0 ACSR	7.43Y	123.9	0.23	1.14	212.80	71	4481	1586	94	6.18	0.1	0.470	0.081	0	0	0	677
PL.55250	PL.55249	ABC	#3/0 ACSR	7.41Y	123.5	0.33	1.47	212.59	71	4470	1576	94	8.82	0.2	0.587	0.117	23	6	2	676
PL.55061	PL.55250	ABC	#3/0 ACSR	7.40Y	123.3	0.28	1.75	211.54	71	4439	1557	94	7.53	0.2	0.687	0.100	0	0	0	674
PL.33363	PL.55061	C	#4 ACSR	7.40Y	123.3	0.00	1.75	3.35	3	24	7	96	0.00	0.0	0.689	0.002	0	0	0	3
PD.4933	PL.33363	C	40QA	7.40Y	123.3	0.00	1.75	3.35	8	24	7	96	0.00	0.0	0.689	0.002	0	0	0	3
PL.55116	PD.4933	C	#4 ACSR	7.39Y	123.2	0.01	1.75	3.35	3	24	7	96	0.00	0.0	0.748	0.059	11	3	1	3
PL.55117	PL.55116	C	#4 ACSR	7.39Y	123.2	0.01	1.76	1.85	1	13	4	96	0.00	0.0	0.831	0.083	3	1	1	2

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Balanced Voltage Drop Report
Source: Bush

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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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PL.55060	PL.55117	C	#4 ACSR	7.39Y	123.2	0.00	1.76	1.43	1	10	3	96	0.00	0.0	0.905	0.074	10	3	1	1	
PL.33362	PL.55061	ABC	#3/0 ACSR	7.39Y	123.1	0.11	1.86	210.43	70	4407	1539	94	2.98	0.1	0.727	0.040	35	10	4	671	
C PL.33459	PL.33362	ABC	#1/0 ACSR	7.36Y	122.7	0.48	2.34	207.38	90	4339	1517	94	14.21	0.3	0.851	0.124	0	0	0	657	C
PL.33236	PL.33459	A	6 A (CWC)	7.36Y	122.7	0.00	2.34	8.81	6	63	17	97	0.00	0.0	0.855	0.003	0	0	0	10	
PD.4934	PL.33236	A	40QA	7.36Y	122.7	0.00	2.34	8.81	22	63	17	97	0.00	0.0	0.855	0.003	0	0	0	10	
PL.33237	PD.4934	A	6 A (CWC)	7.35Y	122.6	0.10	2.44	8.81	6	63	17	97	0.05	0.1	1.107	0.253	0	0	0	10	
PL.64864	PL.33237	A	#4 ACSR	7.35Y	122.6	0.00	2.44	1.25	1	9	2	98	0.00	0.0	1.195	0.088	9	2	1	1	
PL.33238	PL.33237	A	6 A (CWC)	7.35Y	122.5	0.03	2.48	7.55	5	54	15	96	0.01	0.0	1.204	0.097	0	0	0	9	
PL.54983	PL.33238	A	#4 ACSR	7.35Y	122.5	0.00	2.48	1.15	1	8	2	97	0.00	0.0	1.243	0.039	8	2	1	1	
PL.33239	PL.33238	A	6 A (CWC)	7.35Y	122.5	0.01	2.49	6.40	5	45	12	97	0.00	0.0	1.246	0.042	0	0	0	8	
PL.33240	PL.33239	A	6 A (CWC)	7.35Y	122.5	0.01	2.50	6.40	5	45	12	97	0.00	0.0	1.285	0.038	9	2	1	8	
PL.54980	PL.33240	A	6 A (CWC)	7.35Y	122.5	0.01	2.50	2.98	2	21	6	96	0.00	0.0	1.342	0.057	8	2	1	4	
PL.54981	PL.54980	A	6 A (CWC)	7.35Y	122.5	0.00	2.51	1.72	1	12	3	97	0.00	0.0	1.379	0.037	0	0	0	1	
PL.33241	PL.54981	A	6 A (CWC)	7.35Y	122.5	0.01	2.51	1.72	1	12	3	97	0.00	0.0	1.520	0.141	12	3	1	1	
PL.54979	PL.54980	A	#4 ACSR	7.35Y	122.5	0.00	2.50	0.18	0	1	0	100	0.00	0.0	1.412	0.070	1	0	2	2	
PL.33534	PL.33240	A	#4 ACSR	7.35Y	122.5	0.00	2.50	2.14	2	15	4	97	0.00	0.0	1.322	0.038	15	4	3	3	
C PL.33242	PL.33459	ABC	#1/0 ACSR	7.34Y	122.4	0.30	2.64	204.46	89	4262	1486	94	8.70	0.2	0.929	0.078	0	0	0	647	C
C PL.33243	PL.33242	ABC	#1/0 ACSR	7.34Y	122.3	0.10	2.74	204.46	89	4254	1478	94	2.89	0.1	0.955	0.026	2	0	1	647	C
C PL.33244	PL.33243	ABC	#1/0 ACSR	7.32Y	121.9	0.35	3.08	204.38	89	4249	1475	94	10.15	0.2	1.046	0.091	0	0	0	646	C
C PL.54787	PL.33244	ABC	#1/0 ACSR	7.30Y	121.6	0.28	3.36	202.16	88	4192	1452	94	8.01	0.2	1.120	0.074	1	0	1	637	C
C PL.54790	PL.54787	ABC	#1/0 ACSR	7.28Y	121.3	0.38	3.74	201.86	88	4178	1443	95	11.03	0.3	1.222	0.102	6	2	1	635	C
C PL.62765	PL.54790	ABC	#1/0 ACSR	7.27Y	121.1	0.14	3.88	201.20	87	4153	1429	95	4.05	0.1	1.259	0.038	12	3	1	633	C
C PL.62766	PL.62765	ABC	#1/0 ACSR	7.26Y	121.0	0.16	4.04	200.63	87	4137	1421	95	4.68	0.1	1.303	0.044	5	1	1	632	C
C PL.54793	PL.62766	ABC	#1/0 ACSR	7.23Y	120.6	0.38	4.43	200.39	87	4127	1416	95	10.99	0.3	1.406	0.103	8	2	3	631	C
C PL.54797	PL.54793	ABC	#1/0 ACSR	7.23Y	120.5	0.09	4.52	200.00	87	4108	1403	95	2.59	0.1	1.430	0.024	10	3	1	628	C
PL.54796	PL.54797	C	#4 ACSR	7.23Y	120.5	0.00	4.52	1.64	1	11	3	96	0.00	0.0	1.435	0.004	0	0	0	1	
PD.8171	PL.54796	C	40QA	7.23Y	120.5	0.00	4.52	1.64	4	11	3	96	0.00	0.0	1.435	0.004	0	0	0	1	
PL.54794	PD.8171	C	#4 ACSR	7.23Y	120.5	0.00	4.52	1.64	1	11	3	96	0.00	0.0	1.478	0.043	11	3	1	1	
C PL.54795	PL.54797	ABC	#1/0 ACSR	7.17Y	119.6	0.93	5.45	198.34	86	4070	1391	95	26.47	0.7	1.683	0.253	0	0	0	623	C
C PL.55070	PL.54795	ABC	#1/0 ACSR	7.16Y	119.4	0.20	5.65	198.12	86	4039	1364	95	5.72	0.1	1.738	0.055	11	3	1	621	C
C PL.55071	PL.55070	ABC	#1/0 ACSR	7.15Y	119.2	0.11	5.76	197.58	86	4022	1356	95	3.07	0.1	1.768	0.030	18	5	2	620	C

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Balanced Voltage Drop Report
Source: Bush

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
C PL.33538	PL.55071	ABC	#1/0 ACSR	7.12Y	118.6	0.60	6.36	193.41	84	3933	1329	95	16.74	0.4	1.936	0.168	9	3	2	609	C
C PL.33685	PL.33538	ABC	#1/0 ACSR	7.06Y	117.7	0.96	7.32	191.87	83	3884	1305	95	26.60	0.7	2.207	0.271	0	0	0	604	C
L PL.33132	PL.33685	C	#4 ACSR	7.06Y	117.7	0.00	7.32	1.33	1	9	2	98	0.00	0.0	2.208	0.001	0	0	0	2	L
L PD.4993	PL.33132	C	40QA	7.06Y	117.7	0.00	7.32	1.33	3	9	2	98	0.00	0.0	2.208	0.001	0	0	0	2	L
L PL.55009	PD.4993	C	#4 ACSR	7.06Y	117.7	0.01	7.33	1.33	1	9	2	98	0.00	0.0	2.425	0.217	9	2	2	2	L
L PL.55010	PL.55009	C	#4 ACSR	7.06Y	117.7	0.00	7.33	0.00	0	0	0	100	0.00	0.0	2.542	0.116	0	0	0	0	L
L PL.33427	PL.33685	C	#4 ACSR	7.06Y	117.7	0.00	7.33	0.80	1	5	1	98	0.00	0.0	2.301	0.094	1	0	1	2	L
L PL.33779	PL.33427	C	#4 ACSR	7.06Y	117.7	0.00	7.33	0.70	1	5	1	98	0.00	0.0	2.388	0.088	0	0	0	1	L
L PL.33780	PL.33779	C	#4 ACSR	7.06Y	117.7	0.00	7.33	0.70	1	5	1	98	0.00	0.0	2.497	0.109	5	1	1	1	L
L PL.33202	PL.33779	C	#4 ACSR	7.06Y	117.7	0.00	7.33	0.00	0	0	0	100	0.00	0.0	2.467	0.078	0	0	0	0	L
C PL.33770	PL.33685	ABC	#1/0 ACSR	7.04Y	117.3	0.38	7.71	191.16	83	3843	1275	95	10.49	0.3	2.315	0.108	2	1	1	600	C
C PL.53820	PL.33770	ABC	#1/0 ACSR	7.02Y	117.0	0.32	8.03	191.05	83	3830	1264	95	8.86	0.2	2.406	0.091	0	0	0	599	C
C PL.53821	PL.53820	ABC	#1/0 ACSR	6.97Y	116.2	0.78	8.81	190.38	83	3808	1252	95	21.34	0.6	2.627	0.221	7	2	1	598	C
C PL.53916	PL.53821	ABC	#1/0 ACSR	6.94Y	115.6	0.58	9.38	189.80	83	3775	1229	95	15.86	0.4	2.793	0.165	0	0	0	596	C
L PL.53917	PL.53916	A	#4 ACSR	6.94Y	115.6	0.00	9.38	1.31	1	9	2	98	0.00	0.0	2.793	0.001	0	0	0	1	L
L PD.4914	PL.53917	A	40QA	6.94Y	115.6	0.00	9.38	1.31	3	9	2	98	0.00	0.0	2.793	0.001	0	0	0	1	L
L PL.33287	PD.4914	A	#4 ACSR	6.94Y	115.6	0.00	9.39	1.31	1	9	2	98	0.00	0.0	2.891	0.098	9	2	1	1	L
C PL.53918	PL.53916	ABC	#1/0 ACSR	6.91Y	115.1	0.50	9.89	189.36	82	3750	1211	95	13.80	0.4	2.937	0.144	0	0	0	595	C
C PL.33609	PL.53918	ABC	#1/0 ACSR	6.89Y	114.8	0.30	10.19	189.15	82	3732	1197	95	8.30	0.2	3.024	0.087	0	0	0	593	C
C PL.33610	PL.33609	ABC	#1/0 ACSR	6.88Y	114.7	0.15	10.34	188.95	82	3720	1188	95	4.06	0.1	3.067	0.043	0	0	0	591	C
C PL.33774	PL.33610	ABC	#1/0 ACSR	6.86Y	114.4	0.31	10.65	185.05	80	3638	1163	95	8.29	0.2	3.158	0.091	0	0	0	581	C
C PL.33783	PL.33774	ABC	#1/0 ACSR	6.82Y	113.6	0.70	11.35	184.39	80	3617	1151	95	18.76	0.5	3.365	0.207	6	2	1	579	C
C PL.63848	PL.33783	ABC	#1/0 ACSR	6.79Y	113.2	0.45	11.80	184.10	80	3592	1132	95	11.89	0.3	3.497	0.132	0	0	0	578	C
C PL.63849	PL.63848	ABC	#1/0 ACSR	6.79Y	113.2	0.00	11.80	184.10	80	3580	1120	95	0.00	0.0	3.497	0.000	1	0	1	578	C
L PL.33419	PL.63849	C	6 A (CWC)	6.79Y	113.2	0.00	11.80	6.14	4	40	11	96	0.00	0.0	3.498	0.001	0	0	0	10	L
L PD.4987	PL.33419	C	40QA	6.79Y	113.2	0.00	11.80	6.14	15	40	11	96	0.00	0.0	3.498	0.001	0	0	0	10	L
L PL.33789	PD.4987	C	6 A (CWC)	6.79Y	113.2	0.05	11.85	6.14	4	40	11	96	0.02	0.0	3.679	0.182	0	0	0	10	L
L PL.53668	PL.33789	C	#2 ACSR	6.79Y	113.1	0.01	11.85	5.25	3	34	9	97	0.00	0.0	3.733	0.053	18	5	5	7	L
L PL.53870	PL.53668	C	#2 ACSR	6.79Y	113.1	0.00	11.86	2.52	1	17	5	96	0.00	0.0	3.774	0.041	7	2	1	2	L
L PL.53871	PL.53870	C	#1/0 ACSR	6.79Y	113.1	0.00	11.86	1.49	1	10	3	96	0.00	0.0	3.827	0.053	10	3	1	1	L
L PL.53816	PL.33789	C	6 A (CWC)	6.79Y	113.1	0.00	11.85	0.90	1	6	2	95	0.00	0.0	3.739	0.060	0	0	1	3	L

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Balanced Voltage Drop Report
Source: Bush

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PL.53817	PL.53816	C	6 A (CWC)	6.79Y	113.1	0.01	11.86	0.90	1	6	2	95	0.00	0.0	3.942	0.202	0	0	0	2	L
L PL.34398	PL.53817	C	6 A (CWC)	6.79Y	113.1	0.00	11.86	0.24	0	2	0	100	0.00	0.0	4.129	0.188	0	0	0	1	L
L PL.33314	PL.34398	C	#2 ACSR	6.79Y	113.1	0.00	11.86	0.24	0	2	0	100	0.00	0.0	4.186	0.057	2	0	1	1	L
L PL.34399	PL.34398	C	6 A (CWC)	6.79Y	113.1	0.00	11.86	0.00	0	0	0	100	0.00	0.0	4.379	0.250	0	0	0	0	L
L PL.33284	PL.53817	C	#4 ACSR	6.79Y	113.1	0.00	11.86	0.66	1	4	1	97	0.00	0.0	4.196	0.255	4	1	1	1	L
L PL.33787	PL.63849	ABC	#1/0 ACSR	6.78Y	113.0	0.17	11.96	182.02	79	3539	1109	95	4.42	0.1	3.547	0.050	0	0	0	567	L
L PL.57356	PL.33787	C	6 A (CWC)	6.78Y	113.0	0.00	11.96	2.18	2	14	4	96	0.00	0.0	3.565	0.018	14	4	1	1	L
L PL.53913	PL.33787	ABC	#1/0 ACSR	6.77Y	112.8	0.25	12.22	181.29	79	3521	1101	95	6.62	0.2	3.623	0.076	0	0	0	566	L
L PL.53914	PL.53913	ABC	#1/0 ACSR	6.76Y	112.7	0.09	12.30	181.29	79	3514	1095	95	2.31	0.1	3.649	0.026	14	4	2	566	L
L PL.53667	PL.53914	ABC	#1/0 ACSR	6.76Y	112.6	0.10	12.40	180.57	79	3497	1088	95	2.54	0.1	3.678	0.029	0	0	0	564	L
L PL.33788	PL.53667	C	6 A (CWC)	6.76Y	112.6	0.00	12.40	0.02	0	0	0	100	0.00	0.0	3.679	0.001	0	0	0	1	L
L PD.4936	PL.33788	C	30QA	6.76Y	112.6	0.00	12.40	0.02	0	0	0	100	0.00	0.0	3.679	0.001	0	0	0	1	L
L PL.53805	PD.4936	C	6 A (CWC)	6.76Y	112.6	0.00	12.40	0.02	0	0	0	100	0.00	0.0	3.695	0.016	0	0	1	1	L
L PL.33776	PL.53667	ABC	#1/0 ACSR	6.74Y	112.3	0.28	12.68	180.56	79	3495	1086	95	7.36	0.2	3.763	0.085	4	1	5	563	L
L PL.33190	PL.33776	A	#4 ACSR	6.74Y	112.3	0.00	12.68	10.04	8	65	18	96	0.00	0.0	3.763	0.000	0	0	0	8	L
L PD.4974	PL.33190	A	40QA	6.74Y	112.3	0.00	12.68	10.04	25	65	18	96	0.00	0.0	3.763	0.000	0	0	0	8	L
L PL.54368	PD.4974	A	#4 ACSR	6.74Y	112.3	0.02	12.70	10.04	8	65	18	96	0.01	0.0	3.809	0.045	14	4	1	8	L
L PL.54369	PL.54368	A	#4 ACSR	6.74Y	112.3	0.00	12.70	5.49	4	36	10	96	0.00	0.0	3.821	0.013	0	0	0	5	L
L PL.53906	PL.54369	A	#4 ACSR	6.74Y	112.3	0.01	12.71	4.03	3	26	7	97	0.00	0.0	3.873	0.052	0	0	0	4	L
L PL.53905	PL.53906	A	#4 ACSR	6.74Y	112.3	0.01	12.72	4.03	3	26	7	97	0.00	0.0	3.930	0.056	0	0	0	4	L
L PL.33127	PL.53905	A	#4 ACSR	6.74Y	112.3	0.00	12.72	0.35	0	2	1	89	0.00	0.0	3.980	0.051	2	1	1	1	L
L PL.33497	PL.53905	A	#2 ACSR	6.74Y	112.3	0.00	12.72	2.35	1	15	4	97	0.00	0.0	3.952	0.023	15	4	2	2	L
L PL.33791	PL.53905	A	#2 ACSR	6.74Y	112.3	0.00	12.72	1.32	1	9	2	98	0.00	0.0	3.989	0.060	0	0	0	1	L
L PL.33792	PL.33791	A	#2 ACSR	6.74Y	112.3	0.00	12.72	1.32	1	9	2	98	0.00	0.0	4.024	0.034	9	2	1	1	L
L PL.33208	PL.54369	A	#4 ACSR	6.74Y	112.3	0.00	12.70	1.47	1	10	3	96	0.00	0.0	3.847	0.026	10	3	1	1	L
L PL.54370	PL.54368	A	#4 ACSR	6.74Y	112.3	0.00	12.70	2.46	2	16	4	97	0.00	0.0	3.853	0.045	6	2	1	2	L
L PL.33790	PL.54370	A	#4 ACSR	6.74Y	112.3	0.00	12.71	1.50	1	10	3	96	0.00	0.0	3.930	0.077	10	3	1	1	L
L PL.33262	PL.33776	ABC	#1/0 ACSR	6.73Y	112.2	0.14	12.82	177.02	77	3418	1060	96	3.59	0.1	3.806	0.043	0	0	0	550	L
L PL.33644	PL.33262	ABC	#1/0 ACSR	6.73Y	112.2	0.00	12.82	177.02	77	3415	1057	96	0.04	0.0	3.807	0.000	0	0	0	550	L
C RG.36	PL.33644	ABC	167Kkva	7.48Y	124.6	-12.46	0.36	177.02	81	3415	1057	96	percent Boost=10.00			Tap=16.0				550	C
PL.33128	RG.36	ABC	#1/0 ACSR	7.47Y	124.5	0.16	0.52	159.32	69	3415	1057	96	3.76	0.1	3.862	0.056	0	0	0	550	

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Balanced Voltage Drop Report
Source: Bush

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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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.33129	PL.33128	ABC	#1/0 ACSR	7.44Y	124.1	0.40	0.92	159.29	69	3410	1053	96	9.29	0.3	4.000	0.137	0	0	0	549
PL.58404	PL.33129	B	6 A (CWC)	7.44Y	124.1	0.00	0.92	6.97	5	50	14	96	0.00	0.0	4.002	0.003	0	0	0	11
PD.8579	PL.58404	B	40T	7.44Y	124.1	0.00	0.92	6.97	0	50	14	96	0.00	0.0	4.002	0.003	0	0	0	11
PL.58405	PD.8579	B	6 A (CWC)	7.44Y	124.0	0.05	0.97	6.97	5	50	14	96	0.02	0.0	4.159	0.156	4	1	1	11
PL.58403	PL.58405	B	6 A (CWC)	7.44Y	124.0	0.03	1.00	6.38	5	46	13	96	0.01	0.0	4.255	0.096	0	0	0	10
PL.33794	PL.58403	B	6 A (CWC)	7.44Y	124.0	0.02	1.02	4.89	3	35	10	96	0.01	0.0	4.356	0.101	0	0	0	8
PL.33799	PL.33794	B	6 A (CWC)	7.44Y	124.0	0.01	1.03	3.00	2	22	6	96	0.00	0.0	4.439	0.083	4	1	2	6
PL.33506	PL.33799	B	6 A (CWC)	7.44Y	124.0	0.00	1.03	0.40	0	3	1	95	0.00	0.0	4.529	0.090	3	1	1	1
PL.33800	PL.33799	B	6 A (CWC)	7.44Y	124.0	0.02	1.05	2.04	1	15	4	97	0.00	0.0	4.615	0.176	0	0	0	3
PL.33290	PL.33800	B	6 A (CWC)	7.44Y	124.0	0.00	1.05	0.00	0	0	0	100	0.00	0.0	4.655	0.040	0	0	1	1
PL.53919	PL.33800	B	6 A (CWC)	7.44Y	123.9	0.02	1.07	2.04	1	15	4	97	0.00	0.0	4.944	0.329	7	2	1	2
PL.53920	PL.53919	B	#1/0 ACSR	7.44Y	123.9	0.00	1.07	1.09	0	8	2	97	0.00	0.0	5.005	0.061	8	2	1	1
PL.33519	PL.33794	B	#1/0 ACSR	7.44Y	124.0	0.00	1.02	1.88	1	14	4	96	0.00	0.0	4.378	0.022	0	0	0	2
PL.33585	PL.33519	B	#1/0 ACSR	7.44Y	124.0	0.00	1.02	1.88	1	14	4	96	0.00	0.0	4.413	0.035	9	3	1	2
PL.33288	PL.33585	B	#1/0 ACSR	7.44Y	124.0	0.00	1.02	0.57	0	4	1	97	0.00	0.0	4.454	0.041	0	0	0	1
PL.53911	PL.33288	B	#1/0 ACSR	7.44Y	124.0	0.00	1.02	0.00	0	0	0	100	0.00	0.0	4.495	0.042	0	0	0	0
PL.33793	PL.33288	B	#1/0 ACSR	7.44Y	124.0	0.00	1.02	0.57	0	4	1	97	0.00	0.0	4.490	0.037	4	1	1	1
PL.33795	PL.58403	B	#1/0 ACSR	7.44Y	124.0	0.00	1.00	1.49	1	11	3	96	0.00	0.0	4.278	0.024	10	3	1	2
PL.33796	PL.33795	B	#1/0 ACSR	7.44Y	124.0	0.00	1.00	0.03	0	0	0	100	0.00	0.0	4.299	0.020	0	0	1	1
PL.53897	PL.33129	ABC	#1/0 ACSR	7.43Y	123.9	0.22	1.14	156.97	68	3351	1030	96	5.12	0.2	4.078	0.078	9	2	2	538
PL.53896	PL.53897	ABC	#1/0 ACSR	7.42Y	123.7	0.16	1.31	156.57	68	3337	1023	96	3.75	0.1	4.135	0.057	0	0	0	536
PL.53669	PL.53896	ABC	#1/0 ACSR	7.41Y	123.4	0.25	1.56	156.17	68	3325	1017	96	5.74	0.2	4.223	0.088	0	0	0	535
PL.33797	PL.53669	ABC	#1/0 ACSR	7.39Y	123.2	0.23	1.79	155.89	68	3313	1010	96	5.24	0.2	4.304	0.081	0	0	0	533
PL.33463	PL.33797	ABC	#1/0 ACSR	7.39Y	123.2	0.01	1.80	155.89	68	3308	1005	96	0.28	0.0	4.309	0.004	0	0	0	533
PL.53944	PL.33463	ABC	#1/0 ACSR	7.38Y	123.0	0.18	1.98	155.89	68	3308	1005	96	3.99	0.1	4.371	0.062	10	3	1	533
PL.53945	PL.53944	ABC	#1/0 ACSR	7.36Y	122.6	0.39	2.37	155.45	68	3294	998	96	8.78	0.3	4.507	0.136	0	0	0	532
PL.33801	PL.53945	C	6 A (CWC)	7.36Y	122.6	0.00	2.37	0.69	0	5	1	98	0.00	0.0	4.509	0.002	0	0	0	1
PD.4998	PL.33801	C	40QA	7.36Y	122.6	0.00	2.37	0.69	2	5	1	98	0.00	0.0	4.509	0.002	0	0	0	1
PL.33802	PD.4998	C	6 A (CWC)	7.36Y	122.6	0.00	2.37	0.69	0	5	1	98	0.00	0.0	4.638	0.129	5	1	1	1
PL.33305	PL.53945	ABC	#1/0 ACSR	7.34Y	122.3	0.29	2.65	155.22	67	3280	989	96	6.47	0.2	4.608	0.101	5	1	1	531
PL.33632	PL.33305	ABC	#1/0 ACSR	7.33Y	122.1	0.23	2.88	154.99	67	3269	981	96	5.15	0.2	4.688	0.080	0	0	0	530

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Balanced Voltage Drop Report
Source: Bush

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.33804	PL.33632	A	6 A (CWC)	7.33Y	122.1	0.00	2.88	20.13	14	142	39	96	0.00	0.0	4.691	0.003	0	0	0	21
PD.5013	PL.33804	A	35L	7.33Y	122.1	0.00	2.88	20.13	58	142	39	96	0.00	0.0	4.691	0.003	0	0	0	21
PL.33138	PD.5013	A	6 A (CWC)	7.31Y	121.8	0.29	3.17	20.13	14	142	39	96	0.31	0.2	5.002	0.311	0	0	0	21
PL.33206	PL.33138	A	#2 ACSR	7.31Y	121.8	0.00	3.17	1.03	1	7	2	96	0.00	0.0	5.059	0.057	7	2	1	1
PL.33139	PL.33138	A	6 A (CWC)	7.31Y	121.8	0.05	3.22	19.10	14	135	37	96	0.05	0.0	5.065	0.063	8	2	1	20
PL.33140	PL.33139	A	6 A (CWC)	7.30Y	121.7	0.12	3.34	8.98	6	63	17	97	0.06	0.1	5.353	0.288	0	0	0	11
PL.33627	PL.33140	A	6 A (CWC)	7.30Y	121.6	0.02	3.36	3.15	2	22	6	96	0.00	0.0	5.470	0.116	0	0	0	4
PL.33207	PL.33627	A	#4 ACSR	7.30Y	121.6	0.00	3.36	1.14	1	8	2	97	0.00	0.0	5.514	0.044	8	2	1	1
PL.59090	PL.33627	A	6 A (CWC)	7.30Y	121.6	0.01	3.37	2.01	1	14	4	96	0.00	0.0	5.565	0.095	0	0	0	3
PL.59092	PL.59090	A	6 A (CWC)	7.30Y	121.6	0.01	3.37	1.44	1	10	3	96	0.00	0.0	5.720	0.155	7	2	1	2
PL.59093	PL.59092	A	6 A (CWC)	7.30Y	121.6	0.00	3.37	0.51	0	4	1	97	0.00	0.0	5.753	0.034	4	1	1	1
PL.59091	PL.59090	A	#1/0 ACSR	7.30Y	121.6	0.00	3.37	0.56	0	4	1	97	0.00	0.0	5.605	0.040	0	0	0	1
PL.53800	PL.59091	A	#1/0 ACSR	7.30Y	121.6	0.00	3.37	0.56	0	4	1	97	0.00	0.0	5.641	0.036	4	1	1	1
PL.33836	PL.33140	A	6 A (CWC)	7.30Y	121.6	0.02	3.36	5.83	4	41	11	97	0.00	0.0	5.411	0.057	0	0	0	7
PL.33837	PL.33836	A	#4 ACSR	7.30Y	121.6	0.00	3.36	1.25	1	9	2	98	0.00	0.0	5.487	0.076	5	1	1	2
PL.33626	PL.33837	A	#4 ACSR	7.30Y	121.6	0.00	3.36	0.58	0	4	1	97	0.00	0.0	5.540	0.053	4	1	1	1
PL.33539	PL.33836	A	6 A (CWC)	7.30Y	121.6	0.02	3.38	4.58	3	32	9	96	0.01	0.0	5.511	0.100	0	0	1	5
PL.66220	PL.33539	A	6 A (CWC)	7.30Y	121.6	0.01	3.39	4.58	3	32	9	96	0.00	0.0	5.578	0.067	12	3	1	4
PL.66219	PL.66220	A	6 A (CWC)	7.30Y	121.6	0.01	3.39	2.90	2	20	6	96	0.00	0.0	5.622	0.045	0	0	0	3
PL.64862	PL.66219	A	6 A (CWC)	7.30Y	121.6	0.00	3.39	0.00	0	0	0	100	0.00	0.0	5.681	0.059	0	0	0	0
PL.33431	PL.66219	A	6 A (CWC)	7.30Y	121.6	0.01	3.41	2.90	2	20	6	96	0.00	0.0	5.723	0.100	0	0	0	3
PL.33253	PL.33431	A	6 A (CWC)	7.30Y	121.6	0.00	3.41	1.34	1	9	3	95	0.00	0.0	5.770	0.048	9	3	1	1
PL.62747	PL.33431	A	6 A (CWC)	7.30Y	121.6	0.00	3.41	0.06	0	0	0	100	0.00	0.0	5.823	0.100	0	0	0	1
PL.62748	PL.62747	A	6 A (CWC)	7.30Y	121.6	0.00	3.41	0.00	0	0	0	100	0.00	0.0	6.117	0.294	0	0	0	0
PL.33432	PL.62748	A	6 A (CWC)	7.30Y	121.6	0.00	3.41	0.00	0	0	0	100	0.00	0.0	6.258	0.141	0	0	0	0
PL.33491	PL.33432	A	6 A (CWC)	7.30Y	121.6	0.00	3.41	0.00	0	0	0	100	0.00	0.0	6.618	0.361	0	0	0	0
PL.33492	PL.33491	A	6 A (CWC)	7.30Y	121.6	0.00	3.41	0.00	0	0	0	100	0.00	0.0	6.729	0.111	0	0	0	0
PL.64863	PL.62748	A	6 A (CWC)	7.30Y	121.6	0.00	3.41	0.00	0	0	0	100	0.00	0.0	6.318	0.202	0	0	0	0
PL.62749	PL.62747	A	6 A (CWC)	7.30Y	121.6	0.00	3.41	0.06	0	0	0	100	0.00	0.0	5.894	0.071	0	0	1	1
PL.33622	PL.33431	A	6 A (CWC)	7.30Y	121.6	0.00	3.41	1.49	1	11	3	96	0.00	0.0	5.798	0.075	11	3	1	1
PL.33623	PL.33622	A	6 A (CWC)	7.30Y	121.6	0.00	3.41	0.00	0	0	0	100	0.00	0.0	5.831	0.033	0	0	0	0

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Balanced Voltage Drop Report
Source: Bush

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.64752	PL.33623	A	#1/0 ACSR	7.30Y	121.6	0.00	3.41	0.00	0	0	0	100	0.00	0.0	5.861	0.030	0	0	0	0
PL.64753	PL.64752	A	#1/0 ACSR	7.30Y	121.6	0.00	3.41	0.00	0	0	0	100	0.00	0.0	5.922	0.061	0	0	0	0
PL.33834	PL.33139	A	6 A (CWC)	7.31Y	121.8	0.01	3.24	4.48	3	32	9	96	0.00	0.0	5.126	0.061	0	0	0	4
PL.53894	PL.33834	A	#2 ACSR	7.31Y	121.8	0.00	3.24	3.52	2	25	7	96	0.00	0.0	5.154	0.028	11	3	1	3
PL.53895	PL.53894	A	#2 ACSR	7.31Y	121.8	0.00	3.24	1.93	1	14	4	96	0.00	0.0	5.192	0.038	7	2	1	2
PL.53810	PL.53895	A	#2 ACSR	7.31Y	121.8	0.00	3.24	0.90	1	6	2	95	0.00	0.0	5.226	0.034	6	2	1	1
PL.33143	PL.33834	A	#4 ACSR	7.31Y	121.8	0.00	3.24	0.96	1	7	2	96	0.00	0.0	5.144	0.018	7	2	1	1
PL.33835	PL.33139	A	6 A (CWC)	7.31Y	121.8	0.01	3.24	4.53	3	32	9	96	0.00	0.0	5.150	0.084	11	3	1	4
PL.33306	PL.33835	A	6 A (CWC)	7.30Y	121.7	0.01	3.25	2.98	2	21	6	96	0.00	0.0	5.289	0.139	9	3	1	3
PL.33307	PL.33306	A	6 A (CWC)	7.30Y	121.7	0.01	3.26	1.64	1	12	3	97	0.00	0.0	5.438	0.149	6	2	1	2
PL.33310	PL.33307	A	6 A (CWC)	7.30Y	121.7	0.00	3.26	0.81	1	6	2	95	0.00	0.0	5.473	0.036	6	2	1	1
PL.61245	PL.33632	ABC	#1/0 ACSR	7.31Y	121.9	0.26	3.14	146.47	64	3083	927	96	5.54	0.2	4.785	0.097	0	0	1	505
PL.61246	PL.61245	ABC	#1/0 ACSR	7.30Y	121.6	0.22	3.36	146.47	64	3078	921	96	4.76	0.2	4.869	0.083	0	0	0	504
PL.63966	PL.61246	ABC	#1/0 ACSR	7.30Y	121.6	0.00	3.36	145.82	63	3059	913	96	0.00	0.0	4.869	0.000	7	2	1	502
PL.63967	PL.63966	ABC	#1/0 ACSR	7.28Y	121.3	0.32	3.68	145.47	63	3052	911	96	6.69	0.2	4.988	0.119	11	3	3	501
PL.33540	PL.63967	C	#4 ACSR	7.28Y	121.3	0.00	3.68	1.06	1	7	2	96	0.00	0.0	4.988	0.001	0	0	0	1
PD.4897	PL.33540	C	40QA	7.28Y	121.3	0.00	3.68	1.06	3	7	2	96	0.00	0.0	4.988	0.001	0	0	0	1
PL.33541	PD.4897	C	#4 ACSR	7.28Y	121.3	0.00	3.68	1.06	1	7	2	96	0.00	0.0	5.066	0.078	7	2	1	1
PL.59086	PL.63967	ABC	#1/0 ACSR	7.26Y	121.0	0.33	4.01	144.58	63	3026	900	96	7.02	0.2	5.114	0.126	0	0	0	497
PL.59087	PL.59086	ABC	#1/0 ACSR	7.25Y	120.8	0.17	4.18	144.58	63	3019	893	96	3.69	0.1	5.180	0.066	0	0	0	497
PL.59085	PL.59087	C	6 A (CWC)	7.25Y	120.8	0.00	4.18	0.25	0	2	0	100	0.00	0.0	5.181	0.001	0	0	0	1
PD.4986	PL.59085	C	40QA	7.25Y	120.8	0.00	4.18	0.25	1	2	0	100	0.00	0.0	5.181	0.001	0	0	0	1
PL.33883	PD.4986	C	6 A (CWC)	7.25Y	120.8	0.00	4.18	0.25	0	2	0	100	0.00	0.0	5.267	0.086	2	0	1	1
PL.62743	PL.59087	ABC	#1/0 ACSR	7.22Y	120.4	0.46	4.64	144.49	63	3014	889	96	9.65	0.3	5.354	0.174	0	0	0	496
PL.33881	PL.62743	ABC	#1/0 ACSR	7.21Y	120.2	0.20	4.84	144.49	63	3004	880	96	4.19	0.1	5.429	0.075	0	0	0	496
PL.33879	PL.33881	A	6 A (CWC)	7.21Y	120.2	0.00	4.84	22.53	16	157	43	96	0.00	0.0	5.430	0.001	0	0	0	26
PD.4999	PL.33879	A	40QA	7.21Y	120.2	0.00	4.84	22.53	56	157	43	96	0.00	0.0	5.430	0.001	0	0	0	26
PL.53876	PD.4999	A	6 A (CWC)	7.20Y	120.0	0.15	4.99	22.53	16	157	43	96	0.18	0.1	5.580	0.150	9	2	2	26
PL.62744	PL.53876	A	#2 ACSR	7.20Y	120.0	0.00	4.99	1.45	1	10	3	96	0.00	0.0	5.601	0.020	10	3	1	1
PL.62745	PL.62744	A	#2 ACSR	7.20Y	120.0	0.00	4.99	0.00	0	0	0	100	0.00	0.0	5.619	0.018	0	0	0	0
PL.53872	PL.53876	A	6 A (CWC)	7.20Y	120.0	0.02	5.01	8.27	6	57	16	96	0.01	0.0	5.633	0.053	17	5	3	8

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Balanced Voltage Drop Report
Source: Bush

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.53874	PL.53872	A	#4 ACSR	7.20Y	120.0	0.00	5.01	3.49	3	24	7	96	0.00	0.0	5.682	0.049	24	7	3	3
PL.53873	PL.53872	A	6 A (CWC)	7.20Y	120.0	0.00	5.01	2.39	2	17	5	96	0.00	0.0	5.701	0.068	17	5	2	2
PL.53875	PL.53876	A	6 A (CWC)	7.20Y	120.0	0.01	5.00	11.55	8	80	22	96	0.00	0.0	5.595	0.015	0	0	0	15
PL.53900	PL.53875	A	6 A (CWC)	7.20Y	120.0	0.05	5.04	11.55	8	80	22	96	0.03	0.0	5.682	0.087	0	0	0	15
PL.53883	PL.53900	A	#4 ACSR	7.20Y	119.9	0.03	5.07	8.03	6	56	15	97	0.01	0.0	5.776	0.094	19	5	5	10
PL.53884	PL.53883	A	#4 ACSR	7.20Y	119.9	0.00	5.07	0.00	0	0	0	100	0.00	0.0	5.818	0.042	0	0	0	0
PL.53882	PL.53883	A	#4 ACSR	7.20Y	119.9	0.00	5.07	3.26	3	23	6	97	0.00	0.0	5.834	0.058	23	6	2	2
PL.53885	PL.53883	A	#4 ACSR	7.20Y	119.9	0.00	5.07	2.02	2	14	4	96	0.00	0.0	5.814	0.038	8	2	1	3
PL.33882	PL.53885	A	#4 ACSR	7.20Y	119.9	0.00	5.08	0.91	1	6	2	95	0.00	0.0	5.929	0.115	6	2	2	2
PL.33283	PL.53900	A	6 A (CWC)	7.20Y	120.0	0.00	5.04	3.53	3	24	7	96	0.00	0.0	5.697	0.015	7	2	3	5
PL.33225	PL.33283	A	6 A (CWC)	7.20Y	120.0	0.00	5.05	2.53	2	18	5	96	0.00	0.0	5.739	0.042	11	3	1	2
PL.53901	PL.33225	A	6 A (CWC)	7.20Y	120.0	0.00	5.05	0.96	1	7	2	96	0.00	0.0	5.809	0.070	7	2	1	1
PL.33880	PL.33881	C	6 A (CWC)	7.21Y	120.2	0.00	4.84	4.41	3	31	8	97	0.00	0.0	5.429	0.001	0	0	0	5
PD.4940	PL.33880	C	40QA	7.21Y	120.2	0.00	4.84	4.41	11	31	8	97	0.00	0.0	5.429	0.001	0	0	0	5
PL.33114	PD.4940	C	6 A (CWC)	7.21Y	120.1	0.05	4.88	4.41	3	31	8	97	0.01	0.0	5.664	0.234	2	0	2	5
PL.33115	PL.33114	C	6 A (CWC)	7.21Y	120.1	0.01	4.89	4.15	3	29	8	96	0.00	0.0	5.746	0.082	29	8	3	3
PL.61689	PL.33881	ABC	#1/0 ACSR	7.19Y	119.9	0.25	5.09	135.52	59	2813	824	96	4.95	0.2	5.530	0.101	0	0	0	465
PL.61691	PL.61689	A	#1/0 ACSR	7.19Y	119.9	0.00	5.09	2.63	1	18	5	96	0.00	0.0	5.532	0.002	0	0	0	3
PD.9151	PL.61691	A	40QA	7.19Y	119.9	0.00	5.09	2.63	7	18	5	96	0.00	0.0	5.532	0.002	0	0	0	3
PL.61688	PD.9151	A	#1/0 ACSR	7.19Y	119.9	0.00	5.09	2.63	1	18	5	96	0.00	0.0	5.554	0.022	0	0	0	3
PL.61242	PL.61688	A	#1/0 ACSR	7.19Y	119.9	0.00	5.09	2.53	1	18	5	96	0.00	0.0	5.574	0.021	18	5	2	2
PL.61243	PL.61688	A	#1/0 ACSR	7.19Y	119.9	0.00	5.09	0.10	0	1	0	100	0.00	0.0	5.600	0.047	1	0	1	1
PL.61690	PL.61689	ABC	#1/0 ACSR	7.19Y	119.8	0.13	5.22	134.64	59	2790	815	96	2.56	0.1	5.583	0.053	0	0	1	462
PL.55178	PL.61690	ABC	#1/0 ACSR	7.18Y	119.7	0.10	5.32	134.62	59	2787	812	96	2.01	0.1	5.625	0.042	0	0	0	461
PL.55177	PL.55178	C	#4 ACSR	7.18Y	119.7	0.00	5.32	2.75	2	19	5	97	0.00	0.0	5.626	0.001	0	0	0	2
PD.5008	PL.55177	C	40QA	7.18Y	119.7	0.00	5.32	2.75	7	19	5	97	0.00	0.0	5.626	0.001	0	0	0	2
PL.34188	PD.5008	C	#4 ACSR	7.18Y	119.7	0.00	5.32	2.75	2	19	5	97	0.00	0.0	5.660	0.034	19	5	2	2
PL.55176	PL.55178	ABC	#1/0 ACSR	7.17Y	119.4	0.23	5.55	133.70	58	2766	805	96	4.56	0.2	5.721	0.096	3	1	1	459
PL.53881	PL.55176	ABC	#1/0 ACSR	7.16Y	119.4	0.07	5.62	133.27	58	2752	798	96	1.34	0.0	5.749	0.028	5	1	1	457
PL.53879	PL.53881	B	6 A (CWC)	7.16Y	119.3	0.08	5.70	21.17	15	146	40	96	0.09	0.1	5.833	0.083	0	0	0	26
PD.7916	PL.53879	B	25T	7.16Y	119.3	0.00	5.70	21.17	0	146	40	96	0.00	0.0	5.833	0.083	0	0	0	26

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Balanced Voltage Drop Report
Source: Bush

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.53951	PD.7916	B	6 A (CWC)	7.16Y	119.3	0.00	5.70	21.17	15	146	40	96	0.00	0.0	5.835	0.002	0	0	0	26
PL.53671	PL.53951	B	#4 ACSR	7.16Y	119.3	0.00	5.71	1.61	1	11	3	96	0.00	0.0	5.916	0.081	11	3	1	1
PL.53952	PL.53951	B	#1/0 ACSR	7.16Y	119.3	0.00	5.70	1.76	1	12	3	97	0.00	0.0	5.863	0.028	0	0	1	2
PL.53801	PL.53952	B	#1/0 ACSR	7.16Y	119.3	0.00	5.70	1.76	1	12	3	97	0.00	0.0	5.917	0.054	12	3	1	1
PL.53672	PL.53951	B	6 A (CWC)	7.15Y	119.2	0.08	5.78	17.80	13	123	34	96	0.07	0.1	5.937	0.102	9	2	1	23
PL.33252	PL.53672	B	#2 ACSR	7.15Y	119.2	0.00	5.78	0.90	1	6	2	95	0.00	0.0	6.010	0.073	6	2	1	1
PL.33461	PL.53672	B	6 A (CWC)	7.15Y	119.2	0.00	5.78	1.97	1	14	4	96	0.00	0.0	5.987	0.050	14	4	2	2
PL.53903	PL.53672	B	6 A (CWC)	7.15Y	119.2	0.03	5.82	13.69	10	94	26	96	0.02	0.0	5.990	0.054	0	0	0	19
PL.53904	PL.53903	B	6 A (CWC)	7.15Y	119.2	0.02	5.83	13.69	10	94	26	96	0.01	0.0	6.016	0.026	0	0	0	19
PL.33453	PL.53904	B	6 A (CWC)	7.15Y	119.1	0.03	5.86	3.83	3	26	7	97	0.01	0.0	6.173	0.156	0	0	0	4
PL.33454	PL.33453	B	6 A (CWC)	7.15Y	119.1	0.01	5.87	3.83	3	26	7	97	0.00	0.0	6.250	0.077	0	0	0	4
PL.33429	PL.33454	B	6 A (CWC)	7.15Y	119.1	0.00	5.87	1.26	1	9	2	98	0.00	0.0	6.280	0.030	6	2	1	2
PL.66218	PL.33429	B	#1/0 ACSR	7.15Y	119.1	0.00	5.87	0.34	0	2	1	89	0.00	0.0	6.311	0.031	2	1	1	1
PL.33249	PL.33454	B	6 A (CWC)	7.15Y	119.1	0.01	5.88	2.57	2	18	5	96	0.00	0.0	6.320	0.069	0	0	0	2
PL.72956	PL.33249	B	6 A (CWC)	7.15Y	119.1	0.00	5.88	1.30	1	9	2	98	0.00	0.0	6.373	0.053	0	0	0	1
PL.72957	PL.72956	B	6 A (CWC)	7.15Y	119.1	0.00	5.88	1.30	1	9	2	98	0.00	0.0	6.373	0.000	9	2	1	1
PL.72958	PL.72957	B	#1/0 ACSR	7.15Y	119.1	0.00	5.88	0.00	0	0	0	100	0.00	0.0	6.407	0.034	0	0	0	0
PL.72959	PL.72958	B	#1/0 ACSR	7.15Y	119.1	0.00	5.88	0.00	0	0	0	100	0.00	0.0	6.474	0.067	0	0	0	0
PL.33449	PL.33249	B	#4 ACSR	7.15Y	119.1	0.00	5.88	1.27	1	9	2	98	0.00	0.0	6.370	0.050	9	2	1	1
PL.34206	PL.53904	B	#4 ACSR	7.15Y	119.1	0.02	5.85	9.86	8	68	19	96	0.01	0.0	6.062	0.046	6	2	1	15
PL.33112	PL.34206	B	#4 ACSR	7.15Y	119.1	0.03	5.88	9.00	7	62	17	96	0.02	0.0	6.140	0.078	0	0	1	14
PL.33452	PL.33112	B	6 A (CWC)	7.15Y	119.1	0.01	5.89	5.95	4	41	11	97	0.00	0.0	6.172	0.032	0	0	0	7
PL.33482	PL.33452	B	6 A (CWC)	7.15Y	119.1	0.01	5.90	4.84	3	33	9	96	0.00	0.0	6.211	0.039	5	1	1	5
PL.33118	PL.33482	B	6 A (CWC)	7.14Y	119.1	0.02	5.92	4.13	3	28	8	96	0.01	0.0	6.342	0.130	0	0	0	4
PL.33119	PL.33118	B	6 A (CWC)	7.14Y	119.1	0.00	5.93	3.16	2	22	6	96	0.00	0.0	6.355	0.014	10	3	1	3
PL.33247	PL.33119	B	6 A (CWC)	7.14Y	119.1	0.00	5.93	1.76	1	12	3	97	0.00	0.0	6.472	0.117	12	3	1	2
PL.33248	PL.33247	B	6 A (CWC)	7.14Y	119.1	0.00	5.93	0.04	0	0	0	100	0.00	0.0	6.504	0.032	0	0	1	1
PL.53909	PL.33118	B	#4 ACSR	7.14Y	119.1	0.01	5.93	0.96	1	7	2	96	0.00	0.0	6.657	0.316	7	2	1	1
PL.53910	PL.53909	B	#1/0 ACSR	7.14Y	119.1	0.00	5.93	0.00	0	0	0	100	0.00	0.0	6.702	0.044	0	0	0	0
PL.33116	PL.33452	B	#4 ACSR	7.15Y	119.1	0.00	5.89	1.11	1	8	2	97	0.00	0.0	6.241	0.069	8	2	1	2
PL.33117	PL.33116	B	#4 ACSR	7.15Y	119.1	0.00	5.89	0.00	0	0	0	100	0.00	0.0	6.260	0.019	0	0	1	1

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Balanced Voltage Drop Report
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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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.59075	PL.33112	B	#4 ACSR	7.15Y	119.1	0.00	5.88	3.05	2	21	6	96	0.00	0.0	6.154	0.014	1	0	1	6
PL.59076	PL.59075	B	#4 ACSR	7.15Y	119.1	0.00	5.89	2.14	2	15	4	97	0.00	0.0	6.175	0.021	6	2	1	3
PL.57894	PL.59076	B	#4 ACSR	7.15Y	119.1	0.00	5.89	0.58	0	4	1	97	0.00	0.0	6.221	0.046	4	1	1	1
PL.57893	PL.59076	B	#4 ACSR	7.15Y	119.1	0.00	5.89	0.63	0	4	1	97	0.00	0.0	6.356	0.181	4	1	1	1
PL.59074	PL.59075	B	#4 ACSR	7.15Y	119.1	0.00	5.89	0.70	1	5	1	98	0.00	0.0	6.204	0.050	4	1	1	2
PL.33277	PL.59074	B	#4 ACSR	7.15Y	119.1	0.00	5.89	0.18	0	1	0	100	0.00	0.0	6.225	0.021	1	0	1	1
PL.53880	PL.53881	ABC	#1/0 ACSR	7.15Y	119.2	0.17	5.79	125.97	55	2599	755	96	3.15	0.1	5.824	0.075	17	5	4	430
PL.53902	PL.53880	ABC	#1/0 ACSR	7.15Y	119.1	0.13	5.92	125.15	54	2579	748	96	2.30	0.1	5.879	0.055	0	0	0	426
PL.33483	PL.53902	A	#2 ACSR	7.15Y	119.1	0.00	5.92	1.66	1	11	3	96	0.00	0.0	5.898	0.019	11	3	4	4
PL.34187	PL.53902	ABC	#1/0 ACSR	7.14Y	118.9	0.16	6.08	124.27	54	2559	741	96	2.98	0.1	5.952	0.073	13	4	2	421
PL.34186	PL.34187	ABC	#1/0 ACSR	7.13Y	118.8	0.14	6.22	123.65	54	2543	734	96	2.56	0.1	6.016	0.064	37	10	4	419
PL.58877	PL.34186	ABC	#1/0 ACSR	7.12Y	118.6	0.14	6.36	121.86	53	2503	722	96	2.49	0.1	6.078	0.063	0	0	0	415
PD.8482-A	PL.58877	ABC	Closed	7.12Y	118.6	0.00	6.36	121.86	0	2501	719	96	0.00	0.0	6.078	0.063	0	0	0	415
PD.8482-B	PD.8482-A	ABC	Closed	7.12Y	118.6	0.00	6.36	121.86	0	2501	719	96	0.00	0.0	6.078	0.063	0	0	0	415
PL.58878	PD.8482-B	ABC	#1/0 ACSR	7.12Y	118.6	0.02	6.38	121.86	53	2501	719	96	0.33	0.0	6.087	0.008	0	0	0	415
PL.33616	PL.58878	ABC	#3/0 ACSR	7.11Y	118.5	0.10	6.48	116.69	39	2394	690	96	1.50	0.1	6.152	0.065	0	0	0	394
PL.53947	PL.33616	ABC	#3/0 ACSR	7.11Y	118.5	0.07	6.54	116.69	39	2393	688	96	1.06	0.0	6.199	0.046	3	1	2	394
PL.53949	PL.53947	ABC	#1/0 ACSR	7.11Y	118.4	0.01	6.55	23.18	10	477	131	96	0.03	0.0	6.218	0.019	0	0	0	77
PD.8101	PL.53949	ABC	50L	7.11Y	118.4	0.00	6.55	23.18	46	477	131	96	0.00	0.0	6.218	0.019	0	0	0	77
PL.53452	PD.8101	ABC	#1/0 ACSR	7.10Y	118.4	0.05	6.60	23.18	10	477	131	96	0.16	0.0	6.329	0.111	0	0	0	77
PL.53453	PL.53452	A	6 A (CWC)	7.10Y	118.4	0.00	6.60	1.15	1	8	2	97	0.00	0.0	6.333	0.004	0	0	0	2
PD.8102	PL.53453	A	20T	7.10Y	118.4	0.00	6.60	1.15	0	8	2	97	0.00	0.0	6.333	0.004	0	0	0	2
PL.53451	PD.8102	A	6 A (CWC)	7.10Y	118.4	0.00	6.60	1.15	1	8	2	97	0.00	0.0	6.381	0.048	4	1	1	2
PL.53450	PL.53451	A	#4 ACSR	7.10Y	118.4	0.00	6.60	0.63	0	4	1	97	0.00	0.0	6.466	0.085	4	1	1	1
PL.53454	PL.53452	ABC	#1/0 ACSR	7.10Y	118.4	0.01	6.61	22.80	10	469	129	96	0.04	0.0	6.357	0.028	0	0	0	75
PL.53455	PL.53454	A	#1/0 ACSR	7.10Y	118.4	0.00	6.61	0.36	0	2	1	89	0.00	0.0	6.360	0.003	0	0	0	1
PD.8103	PL.53455	A	10QA	7.10Y	118.4	0.00	6.61	0.36	0	2	1	89	0.00	0.0	6.360	0.003	0	0	0	1
PL.53456	PD.8103	A	#1/0 ACSR	7.10Y	118.4	0.00	6.61	0.36	0	2	1	89	0.00	0.0	6.440	0.080	2	1	1	1
PL.53457	PL.53454	ABC	#1/0 ACSR	7.10Y	118.3	0.09	6.70	22.68	10	466	128	96	0.29	0.1	6.570	0.212	1	0	1	74
PL.53458	PL.53457	ABC	#1/0 ACSR	7.10Y	118.3	0.02	6.72	22.62	10	464	127	96	0.07	0.0	6.622	0.052	0	0	0	73
PL.53463	PL.53458	ABC	#1/0 ACSR	7.10Y	118.3	0.02	6.74	22.62	10	464	127	96	0.08	0.0	6.677	0.056	0	0	0	73

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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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.53464	PL.53463	A	6 A (CWC)	7.10Y	118.3	0.00	6.74	1.38	1	9	3	95	0.00	0.0	6.681	0.004	0	0	0	1
PD.8104	PL.53464	A	10QA	7.10Y	118.3	0.00	6.74	1.38	0	9	3	95	0.00	0.0	6.681	0.004	0	0	0	1
PL.53460	PD.8104	A	6 A (CWC)	7.10Y	118.3	0.00	6.74	1.38	1	9	3	95	0.00	0.0	6.711	0.029	0	0	0	1
PL.53459	PL.53460	A	#2 ACSR	7.10Y	118.3	0.00	6.74	1.38	1	9	3	95	0.00	0.0	6.731	0.020	9	3	1	1
PL.53461	PL.53460	A	6 A (CWC)	7.10Y	118.3	0.00	6.74	0.00	0	0	0	100	0.00	0.0	6.792	0.081	0	0	0	0
PL.53465	PL.53463	C	6 A (CWC)	7.10Y	118.3	0.00	6.74	1.87	1	13	3	97	0.00	0.0	6.681	0.004	0	0	0	2
PD.8105	PL.53465	C	10QA	7.10Y	118.3	0.00	6.74	1.87	0	13	3	97	0.00	0.0	6.681	0.004	0	0	0	2
PL.53467	PD.8105	C	6 A (CWC)	7.10Y	118.3	0.01	6.75	1.87	1	13	3	97	0.00	0.0	6.751	0.070	3	1	1	2
PL.53466	PL.53467	C	6 A (CWC)	7.10Y	118.3	0.00	6.75	0.00	0	0	0	100	0.00	0.0	6.880	0.129	0	0	0	0
PL.53462	PL.53466	C	#4 ACSR	7.10Y	118.3	0.00	6.75	0.00	0	0	0	100	0.00	0.0	6.945	0.065	0	0	0	0
PL.33216	PL.53466	C	6 A (CWC)	7.10Y	118.3	0.00	6.75	0.00	0	0	0	100	0.00	0.0	7.120	0.240	0	0	0	0
PL.53468	PL.53467	C	#1/0 ACSR	7.10Y	118.3	0.00	6.75	1.48	1	10	3	96	0.00	0.0	6.803	0.052	10	3	1	1
PL.53469	PL.53463	ABC	#1/0 ACSR	7.09Y	118.2	0.01	6.76	21.54	9	442	121	96	0.05	0.0	6.715	0.038	0	0	0	70
PL.53470	PL.53469	ABC	#1/0 ACSR	7.09Y	118.2	0.04	6.79	21.14	9	434	119	96	0.11	0.0	6.811	0.095	2	0	1	69
PL.53473	PL.53470	ABC	#1/0 ACSR	7.09Y	118.2	0.02	6.81	21.06	9	432	118	96	0.06	0.0	6.862	0.051	14	4	2	68
PL.53476	PL.53473	ABC	#1/0 ACSR	7.09Y	118.1	0.06	6.87	19.73	9	405	111	96	0.17	0.0	7.029	0.167	0	0	0	63
PL.53482	PL.53476	ABC	#1/0 ACSR	7.09Y	118.1	0.02	6.89	19.54	8	401	110	96	0.04	0.0	7.074	0.045	14	4	3	62
PL.53483	PL.53482	C	6 A (CWC)	7.09Y	118.1	0.00	6.89	2.98	2	20	6	96	0.00	0.0	7.078	0.003	0	0	0	2
PD.8109	PL.53483	C	10QA	7.09Y	118.1	0.00	6.89	2.98	0	20	6	96	0.00	0.0	7.078	0.003	0	0	0	2
PL.53480	PD.8109	C	6 A (CWC)	7.09Y	118.1	0.00	6.89	2.98	2	20	6	96	0.00	0.0	7.105	0.028	6	2	1	2
PL.53479	PL.53480	C	6 A (CWC)	7.09Y	118.1	0.00	6.89	2.11	2	14	4	96	0.00	0.0	7.126	0.021	14	4	1	1
PL.53484	PL.53482	A	6 A (CWC)	7.09Y	118.1	0.00	6.89	9.03	6	62	17	96	0.00	0.0	7.079	0.004	0	0	0	7
PD.8110	PL.53484	A	30QA	7.09Y	118.1	0.00	6.89	9.03	30	62	17	96	0.00	0.0	7.079	0.004	0	0	0	7
PL.53485	PD.8110	A	6 A (CWC)	7.09Y	118.1	0.01	6.90	9.03	6	62	17	96	0.00	0.0	7.111	0.032	26	7	3	7
PL.53511	PL.53485	A	#4 ACSR	7.09Y	118.1	0.01	6.90	2.76	2	19	5	97	0.00	0.0	7.160	0.049	3	1	1	3
PL.53512	PL.53511	A	#4 ACSR	7.09Y	118.1	0.00	6.91	2.36	2	16	4	97	0.00	0.0	7.203	0.043	8	2	1	2
PL.53513	PL.53512	A	#4 ACSR	7.09Y	118.1	0.00	6.91	1.19	1	8	2	97	0.00	0.0	7.255	0.052	8	2	1	1
PL.53481	PL.53485	A	6 A (CWC)	7.09Y	118.1	0.00	6.90	2.48	2	17	5	96	0.00	0.0	7.163	0.053	17	5	1	1
PL.53493	PL.53482	ABC	#1/0 ACSR	7.09Y	118.1	0.02	6.91	14.84	6	304	83	96	0.05	0.0	7.154	0.079	5	1	2	50
PL.53495	PL.53493	A	6 A (CWC)	7.09Y	118.1	0.01	6.91	22.37	16	153	42	96	0.01	0.0	7.159	0.005	0	0	0	25
PD.7907	PL.53495	A	40QA	7.09Y	118.1	0.00	6.91	22.37	56	153	42	96	0.00	0.0	7.159	0.005	0	0	0	25

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

Balanced Voltage Drop Report
Source: Bush

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PL.53496	PD.7907	A	6 A (CWC)	7.08Y	118.0	0.04	6.95	22.37	16	153	42	96	0.05	0.0	7.199	0.040	0	0	0	25	
L PL.53501	PL.53496	A	6 A (CWC)	7.08Y	117.9	0.10	7.06	21.13	15	144	39	97	0.11	0.1	7.306	0.106	2	1	1	24	L
L PL.53499	PL.53501	A	#4 ACSR	7.08Y	117.9	0.00	7.06	1.25	1	9	2	98	0.00	0.0	7.306	0.000	0	0	0	1	L
L PD.4976	PL.53499	A	40QA	7.08Y	117.9	0.00	7.06	1.25	3	9	2	98	0.00	0.0	7.306	0.000	0	0	0	1	L
L PL.53510	PD.4976	A	#4 ACSR	7.08Y	117.9	0.00	7.06	1.25	1	9	2	98	0.00	0.0	7.377	0.071	9	2	1	1	L
L PL.55811	PL.53501	A	6 A (CWC)	7.07Y	117.8	0.10	7.16	16.43	12	112	31	96	0.08	0.1	7.449	0.143	15	4	2	18	L
L PL.55809	PL.55811	A	6 A (CWC)	7.07Y	117.8	0.00	7.16	1.74	1	12	3	97	0.00	0.0	7.545	0.096	12	3	1	1	L
L PL.55810	PL.55811	A	#2 ACSR	7.07Y	117.8	0.00	7.16	1.67	1	11	3	96	0.00	0.0	7.489	0.040	11	3	1	1	L
L PL.55812	PL.55811	A	6 A (CWC)	7.07Y	117.8	0.00	7.16	3.03	2	21	6	96	0.00	0.0	7.494	0.045	16	4	2	4	L
L PL.55661	PL.55812	A	6 A (CWC)	7.07Y	117.8	0.01	7.17	0.69	0	5	1	98	0.00	0.0	7.664	0.170	0	0	0	2	L
L PL.55604	PL.55661	A	6 A (CWC)	7.07Y	117.8	0.00	7.17	0.39	0	3	1	95	0.00	0.0	7.669	0.005	0	0	0	1	L
L PD.8217	PL.55604	A	20T	7.07Y	117.8	0.00	7.17	0.39	0	3	1	95	0.00	0.0	7.669	0.005	0	0	0	1	L
L PL.55605	PD.8217	A	6 A (CWC)	7.07Y	117.8	0.00	7.17	0.39	0	3	1	95	0.00	0.0	7.897	0.228	0	0	0	1	L
L PL.55398	PL.55605	A	6 A (CWC)	7.07Y	117.8	0.01	7.18	0.39	0	3	1	95	0.00	0.0	8.323	0.426	0	0	0	1	L
L PL.33136	PL.55398	A	#4 ACSR	7.07Y	117.8	0.00	7.18	0.39	0	3	1	95	0.00	0.0	8.515	0.193	3	1	1	1	L
L PL.33588	PL.55398	A	6 A (CWC)	7.07Y	117.8	0.00	7.18	0.00	0	0	0	100	0.00	0.0	8.671	0.349	0	0	0	0	L
L PL.33617	PL.33588	A	6 A (CWC)	7.07Y	117.8	0.00	7.18	0.00	0	0	0	100	0.00	0.0	9.457	0.785	0	0	0	0	L
L PL.55197	PL.55605	A	#1/0 ACSR	7.07Y	117.8	0.00	7.17	0.00	0	0	0	100	0.00	0.0	8.220	0.323	0	0	0	0	L
L PL.55393	PL.55197	A	#1/0 ACSR	7.07Y	117.8	0.00	7.17	0.00	0	0	0	100	0.00	0.0	8.320	0.100	0	0	0	0	L
L PL.55394	PL.55393	A	#1/0 ACSR	7.07Y	117.8	0.00	7.17	0.00	0	0	0	100	0.00	0.0	8.995	0.674	0	0	0	0	L
L PL.55396	PL.55661	A	6 A (CWC)	7.07Y	117.8	0.00	7.17	0.30	0	2	1	89	0.00	0.0	7.735	0.071	2	1	1	1	L
L PL.55397	PL.55396	A	6 A (CWC)	7.07Y	117.8	0.00	7.17	0.00	0	0	0	100	0.00	0.0	7.739	0.005	0	0	0	0	L
L PD.8216	PL.55397	A	10QA	7.07Y	117.8	0.00	7.17	0.00	0	0	0	100	0.00	0.0	7.739	0.005	0	0	0	0	L
L PL.55395	PD.8216	A	6 A (CWC)	7.07Y	117.8	0.00	7.17	0.00	0	0	0	100	0.00	0.0	7.824	0.084	0	0	0	0	L
L PL.61235	PL.55811	A	6 A (CWC)	7.07Y	117.8	0.00	7.16	7.79	6	53	15	96	0.00	0.0	7.455	0.006	0	0	0	10	L
L PD.9110	PL.61235	A	10QA	7.07Y	117.8	0.00	7.16	7.79	0	53	15	96	0.00	0.0	7.455	0.006	0	0	0	10	L
L PL.61238	PD.9110	A	6 A (CWC)	7.07Y	117.8	0.02	7.18	7.79	6	53	15	96	0.01	0.0	7.527	0.072	12	3	1	10	L
L PL.61239	PL.61238	A	6 A (CWC)	7.07Y	117.8	0.01	7.19	6.04	4	41	11	97	0.00	0.0	7.574	0.047	0	0	0	9	L
L PL.61237	PL.61239	A	6 A (CWC)	7.07Y	117.8	0.01	7.21	3.63	3	25	7	96	0.00	0.0	7.655	0.081	4	1	2	6	L
L PL.33508	PL.61237	A	6 A (CWC)	7.07Y	117.8	0.01	7.21	3.09	2	21	6	96	0.00	0.0	7.706	0.051	11	3	1	4	L
L PL.33509	PL.33508	A	6 A (CWC)	7.07Y	117.8	0.01	7.22	1.51	1	10	3	96	0.00	0.0	7.857	0.150	2	1	1	3	L

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Balanced Voltage Drop Report
Source: Bush

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PL.33123	PL.33509	A	#1/0 ACSR	7.07Y	117.8	0.00	7.22	0.90	0	6	2	95	0.00	0.0	7.944	0.087	6	2	1	1	L
L PL.55198	PL.33509	A	6 A (CWC)	7.07Y	117.8	0.00	7.22	0.27	0	2	1	89	0.00	0.0	8.011	0.155	2	1	1	1	L
L PL.61236	PL.61239	A	#4 ACSR	7.07Y	117.8	0.00	7.20	2.41	2	16	4	97	0.00	0.0	7.635	0.061	11	3	2	3	L
L PL.53502	PL.61236	A	#4 ACSR	7.07Y	117.8	0.00	7.20	0.74	1	5	1	98	0.00	0.0	7.718	0.083	5	1	1	1	L
L PL.53500	PL.53501	A	#2 ACSR	7.08Y	117.9	0.01	7.07	3.13	2	21	6	96	0.00	0.0	7.438	0.132	0	0	0	4	L
L PL.53498	PL.53500	A	#2 ACSR	7.08Y	117.9	0.00	7.07	0.81	0	6	2	95	0.00	0.0	7.470	0.032	6	2	1	1	L
L PL.53497	PL.53500	A	#2 ACSR	7.08Y	117.9	0.01	7.07	2.33	1	16	4	97	0.00	0.0	7.523	0.085	0	0	0	3	L
L PL.33107	PL.53497	A	#2 ACSR	7.08Y	117.9	0.00	7.08	2.33	1	16	4	97	0.00	0.0	7.565	0.043	2	1	1	3	L
L PL.64847	PL.33107	A	#2 ACSR	7.08Y	117.9	0.00	7.08	0.88	1	6	2	95	0.00	0.0	7.629	0.063	6	2	1	1	L
L PL.61224	PL.33107	A	#1/0 ACSR	7.08Y	117.9	0.00	7.08	1.13	0	8	2	97	0.00	0.0	7.569	0.003	0	0	0	1	L
L PD.9107	PL.61224	A	10T	7.08Y	117.9	0.00	7.08	1.13	0	8	2	97	0.00	0.0	7.569	0.003	0	0	0	1	L
L PL.61225	PD.9107	A	#1/0 ACSR	7.08Y	117.9	0.00	7.08	1.13	0	8	2	97	0.00	0.0	7.661	0.092	8	2	1	1	L
L PL.33448	PL.53497	A	#2 ACSR	7.08Y	117.9	0.00	7.07	0.00	0	0	0	100	0.00	0.0	7.583	0.061	0	0	0	0	L
PL.53492	PL.53496	A	#4 ACSR	7.08Y	118.0	0.00	6.96	1.24	1	8	2	97	0.00	0.0	7.298	0.098	8	2	1	1	
PL.53494	PL.53493	C	#4 ACSR	7.09Y	118.1	0.00	6.91	21.47	17	147	40	96	0.00	0.0	7.157	0.003	0	0	0	23	
PD.8111	PL.53494	C	40QA	7.09Y	118.1	0.00	6.91	21.47	54	147	40	96	0.00	0.0	7.157	0.003	0	0	0	23	
PL.53491	PD.8111	C	#4 ACSR	7.08Y	118.1	0.03	6.94	21.47	17	147	40	96	0.03	0.0	7.187	0.030	11	3	3	23	
PL.53490	PL.53491	C	#4 ACSR	7.08Y	118.0	0.04	6.98	19.86	15	136	37	96	0.05	0.0	7.237	0.050	4	1	1	20	
L PL.53488	PL.53490	C	#4 ACSR	7.08Y	118.0	0.03	7.01	17.15	13	117	32	96	0.03	0.0	7.284	0.046	22	6	2	18	L
L PL.53486	PL.53488	C	#4 ACSR	7.08Y	118.0	0.03	7.05	13.90	11	95	26	96	0.02	0.0	7.340	0.057	17	5	3	16	L
L PL.53487	PL.53486	C	#4 ACSR	7.08Y	118.0	0.00	7.05	2.57	2	18	5	96	0.00	0.0	7.392	0.052	18	5	2	2	L
L PL.53508	PL.53486	C	#1/0 ACSR	7.08Y	118.0	0.00	7.05	8.86	4	60	17	96	0.00	0.0	7.360	0.020	13	3	1	11	L
L PL.53509	PL.53508	C	#1/0 ACSR	7.08Y	117.9	0.01	7.06	7.00	3	48	13	97	0.00	0.0	7.450	0.090	9	2	1	10	L
L PL.53505	PL.53509	C	#1/0 ACSR	7.08Y	117.9	0.01	7.07	5.69	2	39	11	96	0.00	0.0	7.492	0.042	5	1	1	9	L
L PL.53506	PL.53505	C	6 A (CWC)	7.08Y	117.9	0.01	7.08	1.33	1	9	2	98	0.00	0.0	7.628	0.135	0	0	0	2	L
L PL.53503	PL.53506	C	6 A (CWC)	7.08Y	117.9	0.01	7.08	1.33	1	9	2	98	0.00	0.0	7.739	0.111	0	0	0	2	L
L PL.53504	PL.53503	C	6 A (CWC)	7.07Y	117.9	0.00	7.09	1.33	1	9	2	98	0.00	0.0	7.886	0.147	9	2	2	2	L
L PL.53507	PL.53505	C	6 A (CWC)	7.07Y	117.9	0.02	7.09	3.65	3	25	7	96	0.00	0.0	7.634	0.141	0	0	1	6	L
L PL.33165	PL.53507	C	#4 ACSR	7.07Y	117.9	0.00	7.09	0.59	0	4	1	97	0.00	0.0	7.704	0.070	4	1	1	1	L
L PL.53540	PL.53507	C	6 A (CWC)	7.07Y	117.9	0.00	7.10	3.00	2	20	6	96	0.00	0.0	7.664	0.030	0	0	0	4	L
L PL.53541	PL.53540	C	6 A (CWC)	7.07Y	117.9	0.00	7.10	0.64	0	4	1	97	0.00	0.0	7.736	0.072	4	1	1	1	L

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

Balanced Voltage Drop Report
Source: Bush

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PL.53539	PL.53540	C	#2 ACSR	7.07Y	117.9	0.00	7.10	2.35	1	16	4	97	0.00	0.0	7.691	0.027	16	4	3	3	L
PL.53489	PL.53490	C	#4 ACSR	7.08Y	118.0	0.00	6.98	2.10	2	14	4	96	0.00	0.0	7.300	0.063	14	4	1	1	
PL.53477	PL.53476	C	6 A (CWC)	7.09Y	118.1	0.00	6.87	0.56	0	4	1	97	0.00	0.0	7.032	0.003	0	0	0	1	
PD.8108	PL.53477	C	10QA	7.09Y	118.1	0.00	6.87	0.56	0	4	1	97	0.00	0.0	7.032	0.003	0	0	0	1	
PL.53478	PD.8108	C	6 A (CWC)	7.09Y	118.1	0.00	6.87	0.56	0	4	1	97	0.00	0.0	7.072	0.040	4	1	1	1	
PL.53475	PL.53478	C	6 A (CWC)	7.09Y	118.1	0.00	6.87	0.00	0	0	0	100	0.00	0.0	7.150	0.079	0	0	0	0	
PL.53474	PL.53473	C	#4 ACSR	7.09Y	118.2	0.00	6.81	2.02	2	14	4	96	0.00	0.0	6.865	0.003	0	0	0	3	
PD.8107	PL.53474	C	10QA	7.09Y	118.2	0.00	6.81	2.02	0	14	4	96	0.00	0.0	6.865	0.003	0	0	0	3	
PL.53514	PD.8107	C	#4 ACSR	7.09Y	118.2	0.00	6.82	2.02	2	14	4	96	0.00	0.0	6.947	0.082	14	4	3	3	
PL.53471	PL.53469	A	#1/0 ACSR	7.09Y	118.2	0.00	6.76	1.18	1	8	2	97	0.00	0.0	6.718	0.003	0	0	0	1	
PD.8106	PL.53471	A	10QA	7.09Y	118.2	0.00	6.76	1.18	0	8	2	97	0.00	0.0	6.718	0.003	0	0	0	1	
PL.53472	PD.8106	A	#1/0 ACSR	7.09Y	118.2	0.00	6.76	1.18	1	8	2	97	0.00	0.0	6.746	0.028	8	2	1	1	
PL.53948	PL.53947	ABC	#3/0 ACSR	7.10Y	118.4	0.04	6.58	93.38	31	1912	554	96	0.50	0.0	6.233	0.034	5	1	2	315	
PL.53447	PL.53948	ABC	#3/0 ACSR	7.10Y	118.3	0.07	6.66	93.13	31	1907	552	96	0.89	0.0	6.294	0.061	5	1	2	313	
PL.53449	PL.53447	C	6 A (CWC)	7.10Y	118.3	0.00	6.66	0.62	0	4	1	97	0.00	0.0	6.298	0.004	0	0	0	2	
PD.8100	PL.53449	C	20QA	7.10Y	118.3	0.00	6.66	0.62	3	4	1	97	0.00	0.0	6.298	0.004	0	0	0	2	
PL.53922	PD.8100	C	6 A (CWC)	7.10Y	118.3	0.00	6.66	0.62	0	4	1	97	0.00	0.0	6.319	0.021	2	1	1	2	
PL.53921	PL.53922	C	6 A (CWC)	7.10Y	118.3	0.00	6.66	0.26	0	2	0	100	0.00	0.0	6.351	0.032	2	0	1	1	
PL.53826	PL.53921	C	6 A (CWC)	7.10Y	118.3	0.00	6.66	0.00	0	0	0	100	0.00	0.0	6.446	0.095	0	0	0	0	
PL.53448	PL.53447	ABC	#3/0 ACSR	7.10Y	118.3	0.03	6.69	92.70	31	1897	549	96	0.39	0.0	6.321	0.027	24	6	1	309	
PL.33469	PL.53448	ABC	#3/0 ACSR	7.09Y	118.2	0.07	6.75	91.55	31	1873	542	96	0.79	0.0	6.377	0.056	7	2	1	308	
PL.33316	PL.33469	ABC	#3/0 ACSR	7.09Y	118.2	0.05	6.81	90.93	30	1859	537	96	0.65	0.0	6.424	0.047	1	0	1	305	
PL.33317	PL.33316	ABC	#3/0 ACSR	7.09Y	118.1	0.05	6.85	90.88	30	1858	536	96	0.56	0.0	6.464	0.040	3	1	2	304	
PL.34207	PL.33317	ABC	#3/0 ACSR	7.08Y	118.1	0.07	6.92	90.73	30	1854	534	96	0.82	0.0	6.523	0.059	0	0	0	302	
PL.57882	PL.34207	C	#4 ACSR	7.08Y	118.1	0.00	6.92	0.00	0	0	0	100	0.00	0.0	6.577	0.054	0	0	0	0	
PL.34208	PL.34207	A	6 A (CWC)	7.08Y	118.1	0.00	6.92	0.64	0	4	1	97	0.00	0.0	6.524	0.001	0	0	0	1	
PD.4908	PL.34208	A	50QA	7.08Y	118.1	0.00	6.92	0.64	1	4	1	97	0.00	0.0	6.524	0.001	0	0	0	1	
PL.64849	PD.4908	A	6 A (CWC)	7.08Y	118.1	0.00	6.93	0.64	0	4	1	97	0.00	0.0	6.597	0.073	0	0	0	1	
PL.53915	PL.64849	A	6 A (CWC)	7.08Y	118.1	0.00	6.93	0.64	0	4	1	97	0.00	0.0	6.686	0.089	4	1	1	1	
L PL.33462	PL.34207	ABC	#3/0 ACSR	7.08Y	118.0	0.10	7.02	88.84	30	1814	522	96	1.18	0.1	6.612	0.089	5	1	1	294	L
L PL.33420	PL.33462	A	6 A (CWC)	7.08Y	118.0	0.00	7.02	3.46	2	24	6	97	0.00	0.0	6.613	0.001	0	0	0	6	L

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

Balanced Voltage Drop Report
Source: Bush

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PD.4909	PL.33420	A	50QA	7.08Y	118.0	0.00	7.02	3.46	7	24	6	97	0.00	0.0	6.613	0.001	0	0	0	6	L
L PL.64848	PD.4909	A	6 A (CWC)	7.08Y	118.0	0.02	7.05	3.46	2	24	6	97	0.00	0.0	6.785	0.172	4	1	1	6	L
L PL.53987	PL.64848	A	6 A (CWC)	7.08Y	117.9	0.01	7.06	2.86	2	19	5	97	0.00	0.0	6.835	0.050	0	0	1	5	L
L PL.53986	PL.53987	A	6 A (CWC)	7.08Y	117.9	0.00	7.06	2.85	2	19	5	97	0.00	0.0	6.903	0.068	19	5	4	4	L
L PL.33256	PL.64848	A	#2 ACSR	7.08Y	118.0	0.00	7.05	0.00	0	0	0	100	0.00	0.0	6.822	0.038	0	0	0	0	L
L PL.53950	PL.33462	ABC	#3/0 ACSR	7.07Y	117.9	0.08	7.10	86.76	29	1771	509	96	0.86	0.0	6.680	0.068	0	0	0	284	L
L PL.53664	PL.53950	ABC	#3/0 ACSR	7.07Y	117.8	0.09	7.19	86.32	29	1761	505	96	1.01	0.1	6.761	0.081	0	0	0	280	L
L PL.34209	PL.53664	ABC	#3/0 ACSR	7.07Y	117.8	0.02	7.21	82.25	27	1676	481	96	0.25	0.0	6.783	0.022	0	0	0	264	L
L PL.34212	PL.34209	A	#4 ACSR	7.07Y	117.8	0.00	7.21	1.68	1	11	3	96	0.00	0.0	6.784	0.001	0	0	0	1	L
L PD.4911	PL.34212	A	50QA	7.07Y	117.8	0.00	7.21	1.68	3	11	3	96	0.00	0.0	6.784	0.001	0	0	0	1	L
L PL.34213	PD.4911	A	#4 ACSR	7.07Y	117.8	0.00	7.21	1.68	1	11	3	96	0.00	0.0	6.823	0.039	11	3	1	1	L
L PL.53829	PL.34209	ABC	#3/0 ACSR	7.06Y	117.7	0.13	7.34	81.50	27	1661	477	96	1.36	0.1	6.906	0.122	9	2	1	262	L
L PL.53827	PL.53829	A	#4 ACSR	7.06Y	117.7	0.00	7.34	18.25	14	124	34	96	0.00	0.0	6.906	0.000	0	0	0	16	L
L PD.4926	PL.53827	A	50QA	7.06Y	117.7	0.00	7.34	18.25	37	124	34	96	0.00	0.0	6.906	0.000	0	0	0	16	L
L PL.33510	PD.4926	A	#4 ACSR	7.06Y	117.6	0.04	7.38	18.25	14	124	34	96	0.04	0.0	6.957	0.051	22	6	3	16	L
L PL.33511	PL.33510	A	#4 ACSR	7.06Y	117.6	0.02	7.39	15.06	12	103	28	96	0.01	0.0	6.982	0.024	0	0	0	13	L
L PL.53989	PL.33511	A	#4 ACSR	7.05Y	117.6	0.04	7.43	13.32	10	91	25	96	0.02	0.0	7.047	0.065	15	4	1	9	L
L PL.53990	PL.53989	A	#4 ACSR	7.05Y	117.6	0.01	7.43	11.09	9	75	21	96	0.00	0.0	7.062	0.016	12	3	1	8	L
L PL.53991	PL.53990	A	#4 ACSR	7.05Y	117.6	0.01	7.45	9.36	7	64	17	97	0.01	0.0	7.096	0.034	18	5	1	7	L
L PL.53988	PL.53991	A	#4 ACSR	7.05Y	117.6	0.00	7.45	1.22	1	8	2	97	0.00	0.0	7.134	0.037	8	2	2	2	L
L PL.53992	PL.53991	A	#4 ACSR	7.05Y	117.5	0.01	7.46	5.45	4	37	10	97	0.00	0.0	7.162	0.065	6	2	1	4	L
L PL.57880	PL.53992	A	#4 ACSR	7.05Y	117.5	0.00	7.46	4.62	4	31	9	96	0.00	0.0	7.188	0.027	31	9	3	3	L
L PL.33125	PL.33511	A	#4 ACSR	7.06Y	117.6	0.00	7.39	1.74	1	12	3	97	0.00	0.0	7.018	0.036	12	3	4	4	L
L PL.53828	PL.53829	ABC	#3/0 ACSR	7.06Y	117.6	0.06	7.40	74.99	25	1527	438	96	0.64	0.0	6.974	0.068	4	1	2	245	L
L PL.33455	PL.53828	ABC	#3/0 ACSR	7.05Y	117.5	0.08	7.48	74.79	25	1522	436	96	0.76	0.1	7.055	0.081	0	0	0	243	L
L PL.34299	PL.33455	C	6 A (CWC)	7.05Y	117.5	0.00	7.48	9.08	6	62	17	96	0.00	0.0	7.056	0.001	0	0	0	15	L
L PD.5009	PL.34299	C	50QA	7.05Y	117.5	0.00	7.48	9.08	18	62	17	96	0.00	0.0	7.056	0.001	0	0	0	15	L
L PL.61211	PD.5009	C	6 A (CWC)	7.05Y	117.5	0.01	7.49	9.08	6	62	17	96	0.00	0.0	7.073	0.017	0	0	0	15	L
L PL.61213	PL.61211	C	6 A (CWC)	7.05Y	117.5	0.01	7.50	9.08	6	62	17	96	0.01	0.0	7.103	0.029	7	2	1	15	L
L PL.61214	PL.61213	C	6 A (CWC)	7.05Y	117.4	0.08	7.58	7.98	6	54	15	96	0.03	0.1	7.315	0.212	0	0	0	14	L
L PL.61212	PL.61214	C	6 A (CWC)	7.04Y	117.4	0.02	7.59	7.98	6	54	15	96	0.01	0.0	7.357	0.042	0	0	0	14	L

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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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PL.53963	PL.61212	C	6 A (CWC)	7.04Y	117.4	0.01	7.60	7.98	6	54	15	96	0.01	0.0	7.391	0.034	3	1	1	14	L
L PL.53964	PL.53963	C	6 A (CWC)	7.04Y	117.4	0.02	7.62	7.53	5	51	14	96	0.01	0.0	7.437	0.046	3	1	1	13	L
L PL.53961	PL.53964	C	6 A (CWC)	7.04Y	117.4	0.00	7.62	1.06	1	7	2	96	0.00	0.0	7.491	0.053	7	2	1	1	L
L PL.53962	PL.53964	C	6 A (CWC)	7.04Y	117.4	0.02	7.64	6.09	4	41	11	97	0.01	0.0	7.525	0.087	0	0	0	11	L
L PL.53994	PL.53962	C	#4 ACSR	7.04Y	117.3	0.02	7.66	4.05	3	28	8	96	0.00	0.0	7.619	0.095	5	1	1	8	L
L PL.53996	PL.53994	C	#4 ACSR	7.04Y	117.3	0.00	7.66	1.58	1	11	3	96	0.00	0.0	7.661	0.042	2	1	1	2	L
L PL.53997	PL.53996	C	#1/0 ACSR	7.04Y	117.3	0.00	7.66	1.26	1	9	2	98	0.00	0.0	7.699	0.038	9	2	1	1	L
L PL.53995	PL.53994	C	#4 ACSR	7.04Y	117.3	0.01	7.66	1.76	1	12	3	97	0.00	0.0	7.724	0.105	6	2	1	5	L
L PL.63970	PL.53995	C	#4 ACSR	7.04Y	117.3	0.00	7.67	0.93	1	6	2	95	0.00	0.0	7.830	0.106	3	1	1	4	L
L PL.63968	PL.63970	C	#4 ACSR	7.04Y	117.3	0.00	7.67	0.52	0	4	1	97	0.00	0.0	7.856	0.026	3	1	2	3	L
L PL.63969	PL.63968	C	#4 ACSR	7.04Y	117.3	0.00	7.67	0.01	0	0	0	100	0.00	0.0	7.927	0.070	0	0	1	1	L
L PL.34303	PL.53962	C	#4 ACSR	7.04Y	117.4	0.01	7.65	2.00	2	14	4	96	0.00	0.0	7.602	0.077	0	0	0	2	L
L PL.54001	PL.34303	C	#4 ACSR	7.04Y	117.3	0.00	7.65	1.22	1	8	2	97	0.00	0.0	7.621	0.020	8	2	1	1	L
L PL.53998	PL.34303	C	#4 ACSR	7.04Y	117.3	0.00	7.65	0.78	1	5	1	98	0.00	0.0	7.657	0.055	0	0	0	1	L
L PL.53999	PL.53998	C	#4 ACSR	7.04Y	117.3	0.00	7.65	0.78	1	5	1	98	0.00	0.0	7.691	0.034	5	1	1	1	L
L PL.54000	PL.53999	C	#4 ACSR	7.04Y	117.3	0.00	7.65	0.00	0	0	0	100	0.00	0.0	7.873	0.182	0	0	0	0	L
L PL.33624	PL.53962	C	#4 ACSR	7.04Y	117.4	0.00	7.64	0.03	0	0	0	100	0.00	0.0	7.590	0.065	0	0	1	1	L
L PL.53969	PL.33455	ABC	#3/0 ACSR	7.05Y	117.4	0.10	7.58	67.35	22	1369	394	96	0.91	0.1	7.175	0.120	10	3	1	215	L
L PL.53970	PL.53969	C	#1/0 ACSR	7.05Y	117.4	0.00	7.58	0.00	0	0	0	100	0.00	0.0	7.179	0.004	0	0	0	0	L
L PD.8117	PL.53970	C	10QA	7.05Y	117.4	0.00	7.58	0.00	0	0	0	100	0.00	0.0	7.179	0.004	0	0	0	0	L
L PL.53971	PD.8117	C	#1/0 ACSR	7.05Y	117.4	0.00	7.58	0.00	0	0	0	100	0.00	0.0	7.202	0.024	0	0	0	0	L
L PL.64330	PL.53969	ABC	#3/0 ACSR	7.04Y	117.4	0.06	7.64	66.84	22	1358	389	96	0.52	0.0	7.244	0.069	4	1	1	214	L
L PL.64333	PL.64330	ABC	#3/0 ACSR	7.04Y	117.4	0.00	7.64	66.65	22	1354	388	96	0.00	0.0	7.245	0.000	4	1	2	213	L
L PL.64331	PL.64333	C	#4 ACSR	7.04Y	117.4	0.00	7.64	2.52	2	17	5	96	0.00	0.0	7.246	0.002	0	0	0	2	L
L PD.4956	PL.64331	C	50QA	7.04Y	117.4	0.00	7.64	2.52	5	17	5	96	0.00	0.0	7.246	0.002	0	0	0	2	L
L PL.33260	PD.4956	C	#4 ACSR	7.04Y	117.4	0.01	7.65	2.52	2	17	5	96	0.00	0.0	7.330	0.084	8	2	1	2	L
L PL.62762	PL.33260	C	1/0 AL URD	7.04Y	117.4	0.00	7.65	1.31	1	9	2	98	0.00	0.0	7.356	0.027	9	2	1	1	L
L PL.64332	PL.64333	ABC	#3/0 ACSR	7.04Y	117.3	0.07	7.71	65.61	22	1332	382	96	0.64	0.0	7.334	0.089	0	0	0	209	L
L PL.64852	PL.64332	ABC	#3/0 ACSR	7.03Y	117.2	0.06	7.77	65.61	22	1332	381	96	0.50	0.0	7.403	0.069	7	2	2	209	L
L PL.34305	PL.64852	ABC	#3/0 ACSR	7.03Y	117.1	0.10	7.88	65.28	22	1324	378	96	0.90	0.1	7.530	0.127	10	3	1	207	L
L PL.34306	PL.34305	ABC	#3/0 ACSR	7.02Y	117.1	0.06	7.94	64.81	22	1314	374	96	0.55	0.0	7.608	0.078	0	0	0	206	L

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Balanced Voltage Drop Report
Source: Bush

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PL.56640	PL.34306	A	#4 ACSR	7.02Y	117.1	0.00	7.94	0.98	1	7	2	96	0.00	0.0	7.612	0.004	0	0	0	1	L
L PD.8325	PL.56640	A	25T	7.02Y	117.1	0.00	7.94	0.98	0	7	2	96	0.00	0.0	7.612	0.004	0	0	0	1	L
L PL.61190	PD.8325	A	#4 ACSR	7.02Y	117.1	0.00	7.94	0.98	1	7	2	96	0.00	0.0	7.648	0.036	7	2	1	1	L
L PL.61191	PL.61190	A	#4 ACSR	7.02Y	117.1	0.00	7.94	0.00	0	0	0	100	0.00	0.0	7.834	0.186	0	0	0	0	L
L PL.34307	PL.34306	ABC	#3/0 ACSR	7.02Y	117.0	0.06	8.00	64.48	21	1307	372	96	0.48	0.0	7.677	0.068	4	1	1	205	L
L PL.34308	PL.34307	ABC	#3/0 ACSR	7.02Y	117.0	0.05	8.05	64.29	21	1302	370	96	0.41	0.0	7.737	0.060	17	5	3	204	L
L PL.53912	PL.34308	ABC	#3/0 ACSR	7.01Y	116.9	0.06	8.10	60.70	20	1229	350	96	0.44	0.0	7.809	0.072	7	2	1	194	L
L PL.53965	PL.53912	ABC	#3/0 ACSR	7.01Y	116.9	0.03	8.13	60.37	20	1222	347	96	0.26	0.0	7.850	0.042	0	0	0	193	L
L PL.53967	PL.53965	C	#1/0 ACSR	7.01Y	116.9	0.00	8.13	2.64	1	18	5	96	0.00	0.0	7.854	0.004	0	0	0	1	L
L PD.8116	PL.53967	C	20QA	7.01Y	116.9	0.00	8.13	2.64	13	18	5	96	0.00	0.0	7.854	0.004	0	0	0	1	L
L PL.53968	PD.8116	C	#1/0 ACSR	7.01Y	116.9	0.00	8.13	2.64	1	18	5	96	0.00	0.0	7.871	0.017	18	5	1	1	L
L PL.53966	PL.53965	ABC	#3/0 ACSR	7.01Y	116.8	0.04	8.17	59.49	20	1204	342	96	0.32	0.0	7.904	0.053	0	0	0	192	L
C PD.5014	PL.53966	ABC	70L	7.01Y	116.8	0.00	8.17	59.49	85	1204	341	96	0.00	0.0	7.904	0.053	0	0	0	192	C
L PL.33807	PD.5014	ABC	#3/0 ACSR	7.01Y	116.8	0.00	8.17	59.49	20	1204	341	96	0.00	0.0	7.904	0.000	0	0	0	192	L
L PL.58445	PL.33807	ABC	#3/0 ACSR	7.01Y	116.8	0.05	8.22	59.49	20	1204	341	96	0.39	0.0	7.970	0.066	0	0	0	192	L
L PL.58447	PL.58445	C	#4 ACSR	7.01Y	116.8	0.00	8.22	2.29	2	16	4	97	0.00	0.0	7.970	0.001	0	0	0	4	L
L PD.8593	PL.58447	C	40QA	7.01Y	116.8	0.00	8.22	2.29	6	16	4	97	0.00	0.0	7.970	0.001	0	0	0	4	L
L PL.58444	PD.8593	C	#4 ACSR	7.01Y	116.8	0.00	8.23	1.51	1	10	3	96	0.00	0.0	8.052	0.082	10	3	1	1	L
L PL.58443	PD.8593	C	6 A (CWC)	7.01Y	116.8	0.01	8.23	0.78	1	5	1	98	0.00	0.0	8.131	0.160	0	0	2	3	L
L PL.33150	PL.58443	C	6 A (CWC)	7.01Y	116.8	0.01	8.23	0.75	1	5	1	98	0.00	0.0	8.462	0.331	5	1	1	1	L
L PL.58446	PL.58445	ABC	#3/0 ACSR	6.99Y	116.6	0.21	8.43	58.73	20	1188	337	96	1.61	0.1	8.248	0.278	0	0	0	188	L
L PL.33423	PL.58446	ABC	#3/0 ACSR	6.99Y	116.5	0.08	8.51	55.48	18	1120	316	96	0.58	0.1	8.359	0.112	0	0	0	176	L
L PL.33424	PL.33423	ABC	#3/0 ACSR	6.98Y	116.4	0.08	8.59	55.48	18	1120	315	96	0.62	0.1	8.479	0.120	4	1	2	176	L
L PL.53958	PL.33424	ABC	#3/0 ACSR	6.97Y	116.1	0.31	8.91	55.26	18	1115	313	96	2.30	0.2	8.927	0.448	0	0	0	174	L
L PL.54005	PL.53958	ABC	#3/0 ACSR	6.95Y	115.9	0.22	9.13	54.67	18	1101	307	96	1.61	0.1	9.249	0.321	2	0	2	172	L
L PL.54006	PL.54005	ABC	#3/0 ACSR	6.95Y	115.8	0.03	9.16	52.92	18	1064	295	96	0.21	0.0	9.294	0.045	1	0	1	167	L
L PL.54003	PL.54006	ABC	#3/0 ACSR	6.95Y	115.8	0.04	9.20	52.14	17	1048	290	96	0.28	0.0	9.355	0.061	1	0	1	165	L
L PL.33174	PL.54003	ABC	#3/0 ACSR	6.94Y	115.7	0.07	9.27	52.09	17	1047	290	96	0.48	0.0	9.461	0.106	0	0	2	164	L
L PL.34142	PL.33174	ABC	#3/0 ACSR	6.94Y	115.7	0.07	9.34	52.09	17	1046	289	96	0.50	0.0	9.570	0.109	2	0	2	162	L
L PL.33909	PL.34142	ABC	#3/0 ACSR	6.93Y	115.5	0.12	9.46	51.63	17	1036	286	96	0.84	0.1	9.757	0.187	0	0	0	159	L
L PL.33590	PL.33909	ABC	#1/0 ACSR	6.93Y	115.5	0.03	9.49	13.85	6	278	76	96	0.05	0.0	9.864	0.107	0	0	0	48	L

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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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PL.33912	PL.33590	ABC	#1/0 ACSR	6.93Y	115.5	0.00	9.49	13.85	6	278	76	96	0.00	0.0	9.864	0.000	0	0	0	48	L
L PD.5015	PL.33912	ABC	35L	6.93Y	115.5	0.00	9.49	13.85	40	278	76	96	0.00	0.0	9.864	0.000	0	0	0	48	L
L PL.33913	PD.5015	ABC	#1/0 ACSR	6.93Y	115.4	0.09	9.57	13.85	6	278	76	96	0.18	0.1	10.209	0.344	0	0	0	48	L
L PL.33957	PL.33913	C	#1/0 ACSR	6.93Y	115.4	0.00	9.57	5.84	3	39	11	96	0.00	0.0	10.210	0.001	0	0	0	4	L
L PD.5000	PL.33957	C	40QA	6.93Y	115.4	0.00	9.57	5.84	15	39	11	96	0.00	0.0	10.210	0.001	0	0	0	4	L
L PL.33476	PD.5000	C	#1/0 ACSR	6.93Y	115.4	0.00	9.58	5.84	3	39	11	96	0.00	0.0	10.238	0.029	14	4	1	4	L
L PL.33257	PL.33476	C	#2 ACSR	6.93Y	115.4	0.00	9.58	1.32	1	9	2	98	0.00	0.0	10.273	0.034	9	2	1	1	L
L PL.54009	PL.33476	C	#1/0 ACSR	6.93Y	115.4	0.00	9.58	2.35	1	16	4	97	0.00	0.0	10.304	0.066	16	4	2	2	L
L PL.54010	PL.54009	C	#1/0 ACSR	6.93Y	115.4	0.00	9.58	0.00	0	0	0	100	0.00	0.0	10.432	0.128	0	0	0	0	L
L PL.54011	PL.54010	C	#2 ACSR	6.93Y	115.4	0.00	9.58	0.00	0	0	0	100	0.00	0.0	10.535	0.102	0	0	0	0	L
L PL.54012	PL.54011	C	#2 ACSR	6.93Y	115.4	0.00	9.58	0.00	0	0	0	100	0.00	0.0	10.628	0.094	0	0	0	0	L
L PL.33477	PL.33913	ABC	#1/0 ACSR	6.92Y	115.4	0.03	9.60	11.90	5	238	65	96	0.06	0.0	10.364	0.155	16	4	2	44	L
L PL.33479	PL.33477	C	#1/0 ACSR	6.92Y	115.4	0.00	9.60	1.95	1	13	4	96	0.00	0.0	10.365	0.001	0	0	0	1	L
L PD.4929	PL.33479	C	20QA	6.92Y	115.4	0.00	9.60	1.95	10	13	4	96	0.00	0.0	10.365	0.001	0	0	0	1	L
L PL.33958	PD.4929	C	#1/0 ACSR	6.92Y	115.4	0.00	9.61	1.95	1	13	4	96	0.00	0.0	10.422	0.057	13	4	1	1	L
L PL.33478	PL.33477	ABC	#1/0 ACSR	6.92Y	115.4	0.04	9.64	10.46	5	210	57	97	0.06	0.0	10.569	0.205	0	0	0	41	L
L PL.55995	PL.33478	ABC	#1/0 ACSR	6.92Y	115.3	0.02	9.67	10.46	5	210	57	97	0.04	0.0	10.699	0.130	3	1	1	41	L
L PL.61205	PL.55995	ABC	#1/0 ACSR	6.92Y	115.3	0.01	9.68	10.33	4	207	57	96	0.02	0.0	10.764	0.065	0	0	0	40	L
L PL.61206	PL.61205	ABC	#1/0 ACSR	6.92Y	115.3	0.01	9.69	9.92	4	199	54	97	0.02	0.0	10.846	0.082	0	0	0	39	L
L PL.33179	PL.61206	C	#1/0 ACSR	6.92Y	115.3	0.00	9.69	0.39	0	3	1	95	0.00	0.0	10.847	0.001	0	0	0	2	L
L PD.4931	PL.33179	C	40QA	6.92Y	115.3	0.00	9.69	0.39	1	3	1	95	0.00	0.0	10.847	0.001	0	0	0	2	L
L PL.33959	PD.4931	C	#1/0 ACSR	6.92Y	115.3	0.00	9.69	0.39	0	3	1	95	0.00	0.0	10.890	0.043	3	1	2	2	L
L PL.33960	PL.33959	C	#1/0 ACSR	6.92Y	115.3	0.00	9.69	0.00	0	0	0	100	0.00	0.0	11.012	0.123	0	0	0	0	L
L PL.34000	PL.33960	C	#1/0 ACSR	6.92Y	115.3	0.00	9.69	0.00	0	0	0	100	0.00	0.0	11.123	0.111	0	0	0	0	L
L PL.34001	PL.34000	C	#1/0 ACSR	6.92Y	115.3	0.00	9.69	0.00	0	0	0	100	0.00	0.0	11.167	0.044	0	0	0	0	L
L PL.33178	PL.61206	ABC	#1/0 ACSR	6.92Y	115.3	0.01	9.71	9.79	4	196	54	96	0.02	0.0	10.929	0.083	0	0	0	37	L
L PL.34314	PL.33178	ABC	#1/0 ACSR	6.92Y	115.3	0.02	9.73	9.79	4	196	54	96	0.02	0.0	11.026	0.097	17	5	2	37	L
L PL.55656	PL.34314	ABC	#1/0 ACSR	6.92Y	115.3	0.01	9.74	8.95	4	179	49	96	0.02	0.0	11.098	0.071	1	0	2	35	L
L PL.55658	PL.55656	ABC	#1/0 ACSR	6.92Y	115.3	0.01	9.74	8.56	4	171	47	96	0.01	0.0	11.150	0.052	22	6	3	31	L
L PL.55203	PL.55658	ABC	#1/0 ACSR	6.92Y	115.3	0.00	9.75	7.45	3	149	41	96	0.01	0.0	11.187	0.037	0	0	0	28	L
L PL.55653	PL.55203	ABC	#1/0 ACSR	6.91Y	115.2	0.02	9.77	7.45	3	149	41	96	0.02	0.0	11.302	0.115	1	0	1	28	L

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

Balanced Voltage Drop Report
Source: Bush

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PL.55654	PL.55653	C	6 A (CWC)	6.91Y	115.2	0.00	9.77	6.49	5	43	12	96	0.00	0.0	11.307	0.004	0	0	0	5	L
L PD.8220	PL.55654	C	40QA	6.91Y	115.2	0.00	9.77	6.49	16	43	12	96	0.00	0.0	11.307	0.004	0	0	0	5	L
L PL.56790	PD.8220	C	6 A (CWC)	6.91Y	115.2	0.05	9.82	6.49	5	43	12	96	0.02	0.0	11.476	0.170	0	0	0	5	L
L PL.56791	PL.56790	C	#4 ACSR	6.91Y	115.2	0.00	9.82	0.61	0	4	1	97	0.00	0.0	11.574	0.098	4	1	1	1	L
L PL.56794	PL.56790	C	6 A (CWC)	6.91Y	115.2	0.01	9.83	5.88	4	39	11	96	0.00	0.0	11.519	0.043	19	5	3	4	L
L PL.56795	PL.56794	C	6 A (CWC)	6.91Y	115.2	0.00	9.83	3.06	2	20	6	96	0.00	0.0	11.584	0.066	20	6	1	1	L
L PL.56796	PL.56794	C	6 A (CWC)	6.91Y	115.2	0.00	9.83	0.00	0	0	0	100	0.00	0.0	11.639	0.120	0	0	0	0	L
L PL.56792	PL.56796	C	6 A (CWC)	6.91Y	115.2	0.00	9.83	0.00	0	0	0	100	0.00	0.0	11.716	0.078	0	0	0	0	L
L PL.55655	PL.55653	A	#2 ACSR	6.91Y	115.2	0.00	9.77	0.00	0	0	0	100	0.00	0.0	11.308	0.006	0	0	0	3	L
L PD.8221	PL.55655	A	60QA	6.91Y	115.2	0.00	9.77	0.00	0	0	0	100	0.00	0.0	11.308	0.006	0	0	0	3	L
L PL.55652	PD.8221	A	#2 ACSR	6.91Y	115.2	0.00	9.77	0.00	0	0	0	100	0.00	0.0	11.371	0.063	0	0	3	3	L
L PL.65750	PL.55653	A	#1/0 ACSR	6.91Y	115.2	0.00	9.77	15.68	7	105	29	96	0.00	0.0	11.306	0.004	0	0	0	19	L
L PD.9588	PL.65750	A	30T	6.91Y	115.2	0.00	9.77	15.68	0	105	29	96	0.00	0.0	11.306	0.004	0	0	0	19	L
L PL.65751	PD.9588	A	#1/0 ACSR	6.91Y	115.2	0.02	9.79	15.68	7	105	29	96	0.01	0.0	11.359	0.053	0	0	0	19	L
L PL.55678	PL.65751	A	6 A (CWC)	6.91Y	115.2	0.00	9.79	0.28	0	2	1	89	0.00	0.0	11.409	0.050	2	1	1	1	L
L PL.55681	PL.65751	A	#1/0 ACSR	6.91Y	115.2	0.02	9.80	15.39	7	103	28	96	0.01	0.0	11.404	0.045	0	0	0	18	L
L PL.55682	PL.55681	A	#1/0 ACSR	6.91Y	115.2	0.02	9.82	15.39	7	103	28	96	0.01	0.0	11.446	0.043	0	0	0	18	L
L PL.55679	PL.55682	A	#1/0 ACSR	6.91Y	115.1	0.04	9.85	11.54	5	77	21	96	0.02	0.0	11.584	0.138	0	0	1	13	L
L PL.55663	PL.55679	A	6 A (CWC)	6.91Y	115.1	0.03	9.88	5.57	4	37	10	97	0.01	0.0	11.686	0.102	0	0	0	7	L
L PL.55662	PL.55663	A	6 A (CWC)	6.91Y	115.1	0.01	9.89	5.57	4	37	10	97	0.00	0.0	11.745	0.058	16	4	1	7	L
L PL.55666	PL.55662	A	6 A (CWC)	6.91Y	115.1	0.01	9.90	2.01	1	13	4	96	0.00	0.0	11.864	0.120	8	2	1	4	L
L PL.55667	PL.55666	A	6 A (CWC)	6.91Y	115.1	0.00	9.90	0.62	0	4	1	97	0.00	0.0	11.920	0.056	4	1	1	1	L
L PL.55683	PL.55666	A	#2 ACSR	6.91Y	115.1	0.00	9.90	0.24	0	2	0	100	0.00	0.0	11.925	0.060	2	0	2	2	L
L PL.55664	PL.55662	A	6 A (CWC)	6.91Y	115.1	0.01	9.90	1.21	1	8	2	97	0.00	0.0	11.938	0.194	8	2	1	2	L
L PL.55665	PL.55664	A	6 A (CWC)	6.91Y	115.1	0.00	9.90	0.00	0	0	0	100	0.00	0.0	11.973	0.034	0	0	1	1	L
L PL.55669	PL.55679	A	#1/0 ACSR	6.91Y	115.1	0.00	9.86	5.97	3	40	11	96	0.00	0.0	11.615	0.031	0	0	0	5	L
L PL.55668	PL.55669	A	6 A (CWC)	6.91Y	115.1	0.00	9.86	1.91	1	13	3	97	0.00	0.0	11.666	0.052	13	3	1	1	L
L PL.55670	PL.55669	A	#1/0 ACSR	6.91Y	115.1	0.01	9.87	4.06	2	27	7	97	0.00	0.0	11.717	0.102	0	0	0	4	L
L PL.55671	PL.55670	A	#1/0 ACSR	6.91Y	115.1	0.00	9.87	4.06	2	27	7	97	0.00	0.0	11.768	0.052	16	4	3	4	L
L PL.55672	PL.55671	A	#1/0 ACSR	6.91Y	115.1	0.01	9.88	1.70	1	11	3	96	0.00	0.0	11.950	0.182	0	0	0	1	L
L PL.55673	PL.55672	A	#1/0 ACSR	6.91Y	115.1	0.00	9.88	1.70	1	11	3	96	0.00	0.0	12.203	0.253	11	3	1	1	L

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Balanced Voltage Drop Report
Source: Bush

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PL.55680	PL.55682	A	6 A (CWC)	6.91Y	115.2	0.01	9.82	2.96	2	20	5	97	0.00	0.0	11.518	0.072	6	2	1	4	L
L PL.55674	PL.55680	A	6 A (CWC)	6.91Y	115.2	0.00	9.83	1.98	1	13	4	96	0.00	0.0	11.566	0.048	3	1	1	3	L
L PL.55675	PL.55674	A	6 A (CWC)	6.91Y	115.2	0.00	9.83	1.57	1	10	3	96	0.00	0.0	11.616	0.049	10	3	2	2	L
L PL.55677	PL.55682	A	#4 ACSR	6.91Y	115.2	0.00	9.82	0.90	1	6	2	95	0.00	0.0	11.503	0.057	6	2	1	1	L
L PL.55204	PL.55203	A	#4 ACSR	6.92Y	115.3	0.00	9.75	0.00	0	0	0	100	0.00	0.0	11.190	0.003	0	0	0	0	L
L PD.8219	PL.55204	A	20QA	6.92Y	115.3	0.00	9.75	0.00	0	0	0	100	0.00	0.0	11.190	0.003	0	0	0	0	L
L PL.59073	PD.8219	A	#4 ACSR	6.92Y	115.3	0.00	9.75	0.00	0	0	0	100	0.00	0.0	11.241	0.050	0	0	0	0	L
L PL.55205	PL.55203	C	#1/0 ACSR	6.92Y	115.3	0.00	9.75	0.00	0	0	0	100	0.00	0.0	11.191	0.004	0	0	0	0	L
L PD.8218	PL.55205	C	20QA	6.92Y	115.3	0.00	9.75	0.00	0	0	0	100	0.00	0.0	11.191	0.004	0	0	0	0	L
L PL.55202	PD.8218	C	#1/0 ACSR	6.92Y	115.3	0.00	9.75	0.00	0	0	0	100	0.00	0.0	11.234	0.043	0	0	0	0	L
L PL.55657	PL.55656	A	#2 ACSR	6.92Y	115.3	0.00	9.74	0.99	1	7	2	96	0.00	0.0	11.103	0.006	0	0	0	2	L
L PD.8222	PL.55657	A	25QA	6.92Y	115.3	0.00	9.74	0.99	4	7	2	96	0.00	0.0	11.103	0.006	0	0	0	2	L
L PL.55659	PD.8222	A	#2 ACSR	6.92Y	115.3	0.00	9.74	0.99	1	7	2	96	0.00	0.0	11.148	0.045	6	2	1	2	L
L PL.55660	PL.55659	A	#2 ACSR	6.92Y	115.3	0.00	9.74	0.04	0	0	0	100	0.00	0.0	11.223	0.074	0	0	1	1	L
L PL.61207	PL.61205	B	#1/0 ACSR	6.92Y	115.3	0.00	9.68	1.23	1	8	2	97	0.00	0.0	10.767	0.004	0	0	0	1	L
L PD.9105	PL.61207	B	12T	6.92Y	115.3	0.00	9.68	1.23	0	8	2	97	0.00	0.0	10.767	0.004	0	0	0	1	L
L PL.61208	PD.9105	B	#1/0 ACSR	6.92Y	115.3	0.00	9.68	1.23	1	8	2	97	0.00	0.0	10.824	0.056	8	2	1	1	L
L PL.55996	PL.55995	A	#1/0 ACSR	6.92Y	115.3	0.00	9.67	0.00	0	0	0	100	0.00	0.0	10.702	0.003	0	0	0	0	L
L PD.8305	PL.55996	A	20QA	6.92Y	115.3	0.00	9.67	0.00	0	0	0	100	0.00	0.0	10.702	0.003	0	0	0	0	L
L PL.55994	PD.8305	A	#1/0 ACSR	6.92Y	115.3	0.00	9.67	0.00	0	0	0	100	0.00	0.0	10.723	0.020	0	0	0	0	L
L PL.33189	PL.33909	ABC	6 A (CWC)	6.91Y	115.2	0.38	9.84	37.78	27	758	208	96	2.43	0.3	10.015	0.257	0	0	0	111	L
L PL.33228	PL.33189	ABC	6 A (CWC)	6.91Y	115.2	0.00	9.84	37.78	27	755	207	96	0.01	0.0	10.016	0.001	0	0	0	111	L
L PL.33943	PL.33228	ABC	6 A (CWC)	6.91Y	115.1	0.01	9.86	37.78	27	755	207	96	0.08	0.0	10.024	0.008	0	0	0	111	L
L PL.33641	PL.33943	ABC	6 A (CWC)	6.91Y	115.1	0.03	9.89	37.72	27	754	207	96	0.22	0.0	10.048	0.024	3	1	1	110	L
L PL.64402	PL.33641	ABC	6 A (CWC)	6.90Y	115.0	0.09	9.98	37.59	27	751	206	96	0.59	0.1	10.111	0.063	0	0	0	109	L
L PL.64403	PL.64402	ABC	6 A (CWC)	6.90Y	115.0	0.01	9.99	2.25	2	45	12	97	0.00	0.0	10.193	0.082	24	7	3	10	L
L PL.33642	PL.64403	ABC	6 A (CWC)	6.90Y	115.0	0.00	9.99	1.03	1	21	6	96	0.00	0.0	10.249	0.056	5	1	4	7	L
L PL.33946	PL.33642	ABC	6 A (CWC)	6.90Y	115.0	0.00	9.99	0.79	1	16	4	97	0.00	0.0	10.331	0.082	16	4	3	3	L
L PL.64405	PL.64402	ABC	6 A (CWC)	6.90Y	115.0	0.00	9.98	0.00	0	0	0	100	0.00	0.0	10.390	0.279	0	0	0	0	L
L PL.64406	PL.64405	ABC	6 A (CWC)	6.90Y	115.0	0.00	9.98	0.00	0	0	0	100	0.00	0.0	10.394	0.005	0	0	0	0	L
L PD.9537-B	PL.64406	ABC	Open	6.90Y	115.0	0.00	9.98	0.00	0	0	0	100	0.00	0.0	10.394	0.005	0	0	0	0	L

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

Balanced Voltage Drop Report
Source: Bush

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PL.64404	PL.64402	ABC	6 A (CWC)	6.89Y	114.8	0.18	10.16	35.34	25	706	194	96	1.07	0.2	10.240	0.129	2	1	1	99	L
L PL.33947	PL.64404	ABC	6 A (CWC)	6.88Y	114.7	0.13	10.29	35.22	25	702	192	96	0.76	0.1	10.333	0.093	0	0	0	98	L
L PL.33161	PL.33947	ABC	6 A (CWC)	6.88Y	114.7	0.00	10.29	35.22	25	701	192	96	0.00	0.0	10.333	0.000	0	0	0	98	L
L PD.5017	PL.33161	ABC	50L	6.88Y	114.7	0.00	10.29	35.22	70	701	192	96	0.00	0.0	10.333	0.000	0	0	0	98	L
L PL.33643	PD.5017	ABC	6 A (CWC)	6.88Y	114.6	0.07	10.36	35.22	25	701	192	96	0.42	0.1	10.384	0.051	7	2	2	98	L
L PL.33948	PL.33643	ABC	6 A (CWC)	6.87Y	114.5	0.16	10.52	34.89	25	694	190	96	0.94	0.1	10.501	0.117	3	1	1	96	L
L PL.33949	PL.33948	A	6 A (CWC)	6.87Y	114.5	0.00	10.52	0.00	0	0	0	100	0.00	0.0	10.501	0.000	0	0	0	0	L
L PD.4916	PL.33949	A	40QA	6.87Y	114.5	0.00	10.52	0.00	0	0	0	100	0.00	0.0	10.501	0.000	0	0	0	0	L
L PL.33950	PD.4916	A	6 A (CWC)	6.87Y	114.5	0.00	10.52	0.00	0	0	0	100	0.00	0.0	10.537	0.036	0	0	0	0	L
L PL.33232	PL.33948	ABC	6 A (CWC)	6.86Y	114.3	0.13	10.65	34.75	25	691	189	96	0.78	0.1	10.599	0.098	5	1	2	95	L
L PL.33233	PL.33232	ABC	6 A (CWC)	6.86Y	114.3	0.01	10.66	33.85	24	672	184	96	0.06	0.0	10.607	0.008	0	0	0	91	L
L PL.33234	PL.33233	ABC	6 A (CWC)	6.85Y	114.2	0.15	10.81	33.85	24	672	184	96	0.85	0.1	10.719	0.112	0	0	0	91	L
L PL.54039	PL.33234	ABC	6 A (CWC)	6.84Y	114.0	0.22	11.03	27.82	20	552	151	96	1.01	0.2	10.918	0.198	4	1	1	75	L
L PL.54040	PL.54039	ABC	6 A (CWC)	6.84Y	113.9	0.04	11.07	27.64	20	547	150	96	0.17	0.0	10.951	0.034	0	0	0	74	L
L PL.54041	PL.54040	ABC	6 A (CWC)	6.83Y	113.9	0.05	11.11	27.64	20	547	149	96	0.22	0.0	10.995	0.043	0	0	1	74	L
L PL.33269	PL.54041	ABC	6 A (CWC)	6.83Y	113.9	0.03	11.14	27.62	20	546	149	96	0.12	0.0	11.019	0.025	26	7	4	73	L
L PL.33229	PL.33269	ABC	6 A (CWC)	6.83Y	113.8	0.07	11.21	26.31	19	520	142	96	0.30	0.1	11.087	0.068	27	7	4	69	L
L PL.33270	PL.33229	C	6 A (CWC)	6.83Y	113.8	0.00	11.21	2.66	2	18	5	96	0.00	0.0	11.088	0.001	0	0	0	2	L
L PD.4932	PL.33270	C	40QA	6.83Y	113.8	0.00	11.21	2.66	7	18	5	96	0.00	0.0	11.088	0.001	0	0	0	2	L
L PL.54022	PD.4932	C	397 SPACER	6.83Y	113.8	0.00	11.21	2.66	1	18	5	96	0.00	0.0	11.176	0.089	18	5	2	2	L
L PL.54023	PL.54022	C	6 A (CWC)	6.83Y	113.8	0.00	11.21	0.00	0	0	0	100	0.00	0.0	11.230	0.054	0	0	0	0	L
L PL.54021	PL.33229	ABC	6 A (CWC)	6.82Y	113.7	0.09	11.30	24.06	17	475	130	96	0.35	0.1	11.187	0.099	53	15	6	63	L
L PL.61247	PL.54021	B	#1/0 ACSR	6.82Y	113.7	0.00	11.30	1.47	1	10	3	96	0.00	0.0	11.229	0.043	10	3	1	1	L
L PL.54042	PL.54021	ABC	6 A (CWC)	6.82Y	113.7	0.05	11.34	20.86	15	412	113	96	0.17	0.0	11.246	0.059	7	2	1	56	L
L PL.54044	PL.54042	C	#2 ACSR	6.82Y	113.7	0.00	11.34	2.86	2	19	5	97	0.00	0.0	11.271	0.025	19	5	1	1	L
L PL.54043	PL.54042	ABC	6 A (CWC)	6.82Y	113.6	0.05	11.40	16.68	12	329	90	96	0.14	0.0	11.330	0.084	34	9	4	49	L
L PL.33273	PL.54043	ABC	6 A (CWC)	6.81Y	113.6	0.03	11.42	14.96	11	295	81	96	0.07	0.0	11.379	0.049	23	6	5	45	L
L PL.33633	PL.33273	ABC	6 A (CWC)	6.81Y	113.5	0.05	11.47	13.81	10	272	74	96	0.10	0.0	11.470	0.091	32	9	3	40	L
L PL.33274	PL.33633	ABC	6 A (CWC)	6.81Y	113.5	0.02	11.49	11.75	8	232	63	97	0.04	0.0	11.515	0.045	6	2	1	36	L
L PL.33191	PL.33274	A	6 A (CWC)	6.81Y	113.5	0.00	11.49	0.00	0	0	0	100	0.00	0.0	11.515	0.000	0	0	0	0	L
L PD.4919	PL.33191	A	40QA	6.81Y	113.5	0.00	11.49	0.00	0	0	0	100	0.00	0.0	11.515	0.000	0	0	0	0	L

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

Balanced Voltage Drop Report
Source: Bush

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PL.33192	PD.4919	A	6 A (CWC)	6.81Y	113.5	0.00	11.49	0.00	0	0	0	100	0.00	0.0	11.562	0.047	0	0	0	0	L
L PL.33261	PL.33274	ABC	6 A (CWC)	6.81Y	113.5	0.03	11.52	10.13	7	200	55	96	0.05	0.0	11.594	0.079	0	0	0	31	L
L PL.33577	PL.33261	ABC	6 A (CWC)	6.81Y	113.5	0.01	11.53	9.29	7	183	50	96	0.01	0.0	11.624	0.030	31	8	6	29	L
L PL.33578	PL.33577	ABC	6 A (CWC)	6.81Y	113.4	0.03	11.56	7.74	6	153	42	96	0.04	0.0	11.737	0.113	17	5	2	23	L
L PL.33579	PL.33578	C	#4 ACSR	6.81Y	113.4	0.00	11.56	1.69	1	11	3	96	0.00	0.0	11.737	0.000	0	0	0	2	L
L PD.4994	PL.33579	C	40QA	6.81Y	113.4	0.00	11.56	1.69	4	11	3	96	0.00	0.0	11.737	0.000	0	0	0	2	L
L PL.33175	PD.4994	C	#4 ACSR	6.81Y	113.4	0.00	11.57	1.69	1	11	3	96	0.00	0.0	11.799	0.062	1	0	1	2	L
L PL.33177	PL.33175	C	#4 ACSR	6.81Y	113.4	0.00	11.57	1.52	1	10	3	96	0.00	0.0	11.822	0.023	10	3	1	1	L
L PL.33580	PL.33578	ABC	6 A (CWC)	6.80Y	113.4	0.02	11.59	6.30	5	124	34	96	0.02	0.0	11.830	0.093	12	3	1	19	L
L PL.33584	PL.33580	ABC	6 A (CWC)	6.80Y	113.4	0.01	11.60	5.31	4	105	29	96	0.01	0.0	11.893	0.063	1	0	1	16	L
L PL.33303	PL.33584	ABC	6 A (CWC)	6.80Y	113.4	0.02	11.62	5.27	4	104	28	97	0.02	0.0	12.001	0.108	14	4	1	15	L
L PL.33581	PL.33303	ABC	6 A (CWC)	6.80Y	113.4	0.01	11.63	4.56	3	90	25	96	0.01	0.0	12.078	0.077	0	0	0	14	L
L PL.33259	PL.33581	C	6 A (CWC)	6.80Y	113.4	0.00	11.63	3.07	2	20	6	96	0.00	0.0	12.079	0.001	0	0	0	2	L
L PD.4995	PL.33259	C	40QA	6.80Y	113.4	0.00	11.63	3.07	8	20	6	96	0.00	0.0	12.079	0.001	0	0	0	2	L
L PL.54019	PD.4995	C	6 A (CWC)	6.80Y	113.4	0.00	11.64	3.07	2	20	6	96	0.00	0.0	12.125	0.046	11	3	1	2	L
L PL.54020	PL.54019	C	6 A (CWC)	6.80Y	113.4	0.00	11.64	1.33	1	9	2	98	0.00	0.0	12.170	0.045	9	2	1	1	L
L PL.33294	PL.33581	ABC	6 A (CWC)	6.80Y	113.3	0.03	11.66	3.54	3	70	19	97	0.02	0.0	12.266	0.188	0	0	1	12	L
L PL.33464	PL.33294	C	#2 ACSR	6.80Y	113.3	0.00	11.66	2.90	2	19	5	97	0.00	0.0	12.361	0.095	19	5	1	1	L
L PL.33295	PL.33294	ABC	6 A (CWC)	6.80Y	113.3	0.01	11.67	2.57	2	51	14	96	0.00	0.0	12.327	0.061	12	3	3	10	L
L PL.33296	PL.33295	ABC	6 A (CWC)	6.80Y	113.3	0.00	11.67	1.97	1	39	11	96	0.00	0.0	12.361	0.034	3	1	1	7	L
L PL.54033	PL.33296	ABC	6 A (CWC)	6.80Y	113.3	0.00	11.67	1.79	1	35	10	96	0.00	0.0	12.414	0.053	0	0	0	6	L
L PL.54035	PL.54033	C	#1/0 ACSR	6.80Y	113.3	0.00	11.67	0.82	0	5	1	98	0.00	0.0	12.417	0.003	0	0	0	1	L
L PD.8118	PL.54035	C	10QA	6.80Y	113.3	0.00	11.67	0.82	0	5	1	98	0.00	0.0	12.417	0.003	0	0	0	1	L
L PL.54036	PD.8118	C	#1/0 ACSR	6.80Y	113.3	0.00	11.67	0.82	0	5	1	98	0.00	0.0	12.454	0.037	5	1	1	1	L
L PL.54034	PL.54033	ABC	6 A (CWC)	6.80Y	113.3	0.00	11.67	1.52	1	30	8	97	0.00	0.0	12.471	0.057	0	0	0	5	L
L PL.33297	PL.54034	C	6 A (CWC)	6.80Y	113.3	0.00	11.68	4.56	3	30	8	97	0.00	0.0	12.474	0.003	0	0	0	5	L
L PD.5010	PL.33297	C	40QA	6.80Y	113.3	0.00	11.68	4.56	11	30	8	97	0.00	0.0	12.474	0.003	0	0	0	5	L
L PL.54029	PD.5010	C	6 A (CWC)	6.80Y	113.3	0.00	11.68	4.56	3	30	8	97	0.00	0.0	12.479	0.005	0	0	0	5	L
L PL.54031	PL.54029	C	#1/0 ACSR	6.80Y	113.3	0.00	11.68	2.38	1	16	4	97	0.00	0.0	12.509	0.030	4	1	1	2	L
L PL.54032	PL.54031	C	#1/0 ACSR	6.80Y	113.3	0.00	11.68	1.79	1	12	3	97	0.00	0.0	12.541	0.032	12	3	1	1	L
L PL.54030	PL.54029	C	6 A (CWC)	6.80Y	113.3	0.01	11.69	2.18	2	14	4	96	0.00	0.0	12.586	0.107	0	0	0	3	L

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Balanced Voltage Drop Report
Source: Bush

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PL.54028	PL.54030	C	6 A (CWC)	6.80Y	113.3	0.00	11.69	2.18	2	14	4	96	0.00	0.0	12.664	0.078	14	4	3	3	L
L PL.33583	PL.33580	C	6 A (CWC)	6.80Y	113.4	0.00	11.59	1.09	1	7	2	96	0.00	0.0	11.830	0.000	0	0	0	2	L
L PD.4920	PL.33583	C	40QA	6.80Y	113.4	0.00	11.59	1.09	3	7	2	96	0.00	0.0	11.830	0.000	0	0	0	2	L
L PL.54018	PD.4920	C	6 A (CWC)	6.80Y	113.4	0.00	11.59	1.09	1	7	2	96	0.00	0.0	11.874	0.044	7	2	2	2	L
L PL.33582	PL.33580	A	6 A (CWC)	6.80Y	113.4	0.00	11.59	0.00	0	0	0	100	0.00	0.0	11.830	0.000	0	0	0	0	L
L PD.4981	PL.33582	A	40QA	6.80Y	113.4	0.00	11.59	0.00	0	0	0	100	0.00	0.0	11.830	0.000	0	0	0	0	L
L PL.54017	PD.4981	A	6 A (CWC)	6.80Y	113.4	0.00	11.59	0.00	0	0	0	100	0.00	0.0	11.896	0.066	0	0	0	0	L
L PL.33279	PL.33261	C	#2 ACSR	6.81Y	113.5	0.00	11.52	2.53	1	17	5	96	0.00	0.0	11.618	0.025	17	5	2	2	L
L PL.33575	PL.33274	A	#4 ACSR	6.81Y	113.5	0.01	11.50	3.91	3	26	7	97	0.00	0.0	11.584	0.069	12	3	2	4	L
L PL.33576	PL.33575	A	#4 ACSR	6.81Y	113.5	0.00	11.50	2.10	2	14	4	96	0.00	0.0	11.602	0.019	14	4	2	2	L
L PL.33271	PL.33633	A	6 A (CWC)	6.81Y	113.5	0.00	11.47	1.27	1	8	2	97	0.00	0.0	11.471	0.000	0	0	0	1	L
L PD.4980	PL.33271	A	40QA	6.81Y	113.5	0.00	11.47	1.27	3	8	2	97	0.00	0.0	11.471	0.000	0	0	0	1	L
L PL.33272	PD.4980	A	6 A (CWC)	6.81Y	113.5	0.00	11.47	1.27	1	8	2	97	0.00	0.0	11.534	0.063	8	2	1	1	L
L PL.54045	PL.54042	A	#1/0 ACSR	6.82Y	113.7	0.00	11.34	1.33	1	9	2	98	0.00	0.0	11.247	0.001	0	0	0	1	L
L PD.4918	PL.54045	A	25QA	6.82Y	113.7	0.00	11.34	1.33	5	9	2	98	0.00	0.0	11.247	0.001	0	0	0	1	L
L PL.54038	PD.4918	A	#1/0 ACSR	6.82Y	113.7	0.00	11.34	1.33	1	9	2	98	0.00	0.0	11.288	0.042	9	2	1	1	L
L PL.63846	PL.54042	C	#1/0 ACSR	6.82Y	113.7	0.00	11.35	7.34	3	48	13	97	0.00	0.0	11.278	0.032	20	6	2	4	L
L PL.63847	PL.63846	C	#1/0 ACSR	6.82Y	113.7	0.00	11.35	4.27	2	28	8	96	0.00	0.0	11.303	0.025	16	4	1	2	L
L PL.54037	PL.63847	C	#1/0 ACSR	6.82Y	113.6	0.00	11.35	1.82	1	12	3	97	0.00	0.0	11.336	0.033	12	3	1	1	L
L PL.33951	PL.33234	C	6 A (CWC)	6.85Y	114.2	0.00	10.81	18.08	13	119	33	96	0.00	0.0	10.720	0.000	0	0	0	16	L
L PD.4930	PL.33951	C	40QA	6.85Y	114.2	0.00	10.81	18.08	45	119	33	96	0.00	0.0	10.720	0.000	0	0	0	16	L
L PL.33952	PD.4930	C	6 A (CWC)	6.85Y	114.1	0.06	10.87	18.08	13	119	33	96	0.05	0.0	10.793	0.074	17	5	2	16	L
L PL.33953	PL.33952	C	6 A (CWC)	6.84Y	114.1	0.08	10.95	14.78	11	98	27	96	0.06	0.1	10.908	0.115	0	0	0	13	L
L PL.33954	PL.33953	C	6 A (CWC)	6.84Y	114.0	0.03	10.98	12.97	9	86	23	97	0.02	0.0	10.965	0.057	8	2	1	12	L
L PL.33955	PL.33954	C	6 A (CWC)	6.84Y	113.9	0.08	11.06	11.81	8	78	21	97	0.05	0.1	11.104	0.139	0	0	0	11	L
L PL.54026	PL.33955	C	6 A (CWC)	6.83Y	113.9	0.03	11.09	11.09	8	73	20	96	0.02	0.0	11.168	0.064	8	2	1	10	L
L PL.54027	PL.54026	C	6 A (CWC)	6.83Y	113.9	0.02	11.11	8.72	6	57	16	96	0.01	0.0	11.228	0.060	0	0	0	8	L
L PL.33956	PL.54027	C	6 A (CWC)	6.83Y	113.9	0.03	11.14	8.72	6	57	16	96	0.01	0.0	11.321	0.092	13	3	1	8	L
L PL.33265	PL.33956	C	6 A (CWC)	6.83Y	113.8	0.04	11.18	6.81	5	45	12	97	0.01	0.0	11.441	0.120	2	0	1	7	L
L PL.33266	PL.33265	C	6 A (CWC)	6.83Y	113.8	0.03	11.21	6.57	5	43	12	96	0.01	0.0	11.547	0.106	9	3	2	6	L
L PL.33267	PL.33266	C	6 A (CWC)	6.83Y	113.8	0.02	11.23	5.17	4	34	9	97	0.01	0.0	11.650	0.102	9	3	1	4	L

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Balanced Voltage Drop Report
Source: Bush

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PL.33268	PL.33267	C	#4/0 ACSR	6.83Y	113.8	0.00	11.23	2.50	1	16	4	97	0.00	0.0	11.698	0.049	7	2	1	2	L
L PL.62742	PL.33268	C	#1/0 ACSR	6.83Y	113.8	0.00	11.23	1.43	1	9	3	95	0.00	0.0	11.749	0.051	9	3	1	1	L
L PL.33167	PL.33267	C	#2 ACSR	6.83Y	113.8	0.00	11.23	1.24	1	8	2	97	0.00	0.0	11.706	0.056	8	2	1	1	L
L PL.33639	PL.54027	C	#2 ACSR	6.83Y	113.9	0.00	11.11	0.00	0	0	0	100	0.00	0.0	11.274	0.046	0	0	0	0	L
L PL.54025	PL.54026	C	#1/0 ACSR	6.83Y	113.9	0.00	11.09	1.12	0	7	2	96	0.00	0.0	11.229	0.061	7	2	1	1	L
L PL.54024	PL.33955	C	#2 ACSR	6.84Y	113.9	0.00	11.06	0.71	0	5	1	98	0.00	0.0	11.197	0.093	5	1	1	1	L
L PL.33230	PL.33954	C	#1/0 ACSR	6.84Y	114.0	0.00	10.98	0.00	0	0	0	100	0.00	0.0	11.029	0.064	0	0	0	0	L
L PL.33169	PL.33953	C	#4 ACSR	6.84Y	114.0	0.00	10.95	1.81	1	12	3	97	0.00	0.0	10.972	0.064	12	3	1	1	L
L PL.33147	PL.33952	C	6 A (CWC)	6.85Y	114.1	0.00	10.87	0.78	1	5	1	98	0.00	0.0	10.884	0.090	5	1	1	1	L
L PL.33235	PL.33233	A	6 A (CWC)	6.86Y	114.3	0.00	10.66	0.00	0	0	0	100	0.00	0.0	10.607	0.000	0	0	0	0	L
L PD.4917	PL.33235	A	40QA	6.86Y	114.3	0.00	10.66	0.00	0	0	0	100	0.00	0.0	10.607	0.000	0	0	0	0	L
L PL.33250	PD.4917	A	6 A (CWC)	6.86Y	114.3	0.00	10.66	0.00	0	0	0	100	0.00	0.0	10.646	0.038	0	0	0	0	L
L PL.33460	PL.33232	A	6 A (CWC)	6.86Y	114.3	0.00	10.66	1.96	1	13	4	96	0.00	0.0	10.677	0.079	13	4	2	2	L
L PL.33160	PL.33641	A	6 A (CWC)	6.91Y	115.1	0.00	9.89	0.00	0	0	0	100	0.00	0.0	10.069	0.022	0	0	0	0	L
L PL.33944	PL.33943	C	6 A (CWC)	6.91Y	115.1	0.00	9.86	0.19	0	1	0	100	0.00	0.0	10.024	0.000	0	0	0	1	L
L PD.4915	PL.33944	C	40QA	6.91Y	115.1	0.00	9.86	0.19	0	1	0	100	0.00	0.0	10.024	0.000	0	0	0	1	L
L PL.33945	PD.4915	C	6 A (CWC)	6.91Y	115.1	0.00	9.86	0.19	0	1	0	100	0.00	0.0	10.091	0.067	1	0	1	1	L
L CP.51	PL.33228	ABC	Cap (300)	6.91Y	115.2	0.00	9.84	0.00	0	0	0	100	0.00	0.0	10.016	0.067	0	0	0	0	L
L PL.33122	PL.33909	A	#2 ACSR	6.93Y	115.5	0.00	9.46	0.00	0	0	0	100	0.00	0.0	9.826	0.068	0	0	0	0	L
L PL.33910	PL.34142	C	#4 ACSR	6.94Y	115.7	0.00	9.34	1.16	1	8	2	97	0.00	0.0	9.570	0.000	0	0	0	1	L
L PD.4928	PL.33910	C	40QA	6.94Y	115.7	0.00	9.34	1.16	3	8	2	97	0.00	0.0	9.570	0.000	0	0	0	1	L
L PL.33911	PD.4928	C	#4 ACSR	6.94Y	115.7	0.00	9.34	1.16	1	8	2	97	0.00	0.0	9.646	0.076	8	2	1	1	L
L PL.54002	PL.54006	C	#4 ACSR	6.95Y	115.8	0.00	9.16	2.15	2	14	4	96	0.00	0.0	9.294	0.000	0	0	0	1	L
L PD.4927	PL.54002	C	40QA	6.95Y	115.8	0.00	9.16	2.15	5	14	4	96	0.00	0.0	9.294	0.000	0	0	0	1	L
L PL.54004	PD.4927	C	#4 ACSR	6.95Y	115.8	0.00	9.16	2.15	2	14	4	96	0.00	0.0	9.345	0.051	14	4	1	1	L
L PL.54007	PL.54005	C	#4 ACSR	6.95Y	115.9	0.01	9.14	5.01	4	34	9	97	0.00	0.0	9.304	0.055	22	6	2	3	L
L PL.54008	PL.54007	C	#2 ACSR	6.95Y	115.9	0.00	9.14	1.68	1	11	3	96	0.00	0.0	9.357	0.053	11	3	1	1	L
L PL.53959	PL.53958	C	#4 ACSR	6.97Y	116.1	0.00	8.91	1.78	1	12	3	97	0.00	0.0	8.932	0.005	0	0	0	2	L
L PD.8115	PL.53959	C	10QA	6.97Y	116.1	0.00	8.91	1.78	0	12	3	97	0.00	0.0	8.932	0.005	0	0	0	2	L
L PL.53960	PD.8115	C	#4 ACSR	6.97Y	116.1	0.00	8.91	1.78	1	12	3	97	0.00	0.0	9.025	0.093	12	3	2	2	L
L PL.57486	PL.58446	B	6 A (CWC)	6.99Y	116.6	0.00	8.43	9.76	7	66	18	96	0.00	0.0	8.252	0.005	0	0	0	12	L

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Balanced Voltage Drop Report
Source: Bush

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PD.8370	PL.57486	B	20T	6.99Y	116.6	0.00	8.43	9.76	0	66	18	96	0.00	0.0	8.252	0.005	0	0	0	12	L
L PL.57487	PD.8370	B	6 A (CWC)	6.99Y	116.5	0.07	8.50	9.76	7	66	18	96	0.03	0.0	8.418	0.166	14	4	3	12	L
L PL.57485	PL.57487	B	6 A (CWC)	6.99Y	116.5	0.03	8.53	7.69	5	52	14	97	0.01	0.0	8.511	0.093	0	0	0	9	L
L PL.33810	PL.57485	B	6 A (CWC)	6.98Y	116.4	0.06	8.60	6.54	5	44	12	96	0.02	0.1	8.729	0.217	0	0	0	8	L
L PL.34143	PL.33810	B	6 A (CWC)	6.98Y	116.4	0.00	8.60	0.08	0	1	0	100	0.00	0.0	9.017	0.289	0	0	0	1	L
L PL.34144	PL.34143	B	6 A (CWC)	6.98Y	116.4	0.00	8.60	0.08	0	1	0	100	0.00	0.0	9.256	0.239	1	0	1	1	L
L PL.34145	PL.34144	B	6 A (CWC)	6.98Y	116.4	0.00	8.60	0.00	0	0	0	100	0.00	0.0	9.737	0.480	0	0	0	0	L
L PL.61241	PL.33810	B	6 A (CWC)	6.98Y	116.4	0.02	8.61	6.45	5	43	12	96	0.00	0.0	8.793	0.064	14	4	2	7	L
L PL.61240	PL.61241	B	6 A (CWC)	6.98Y	116.4	0.01	8.62	4.45	3	30	8	97	0.00	0.0	8.836	0.043	13	4	1	5	L
L PL.53985	PL.61240	B	6 A (CWC)	6.98Y	116.4	0.01	8.63	2.51	2	17	5	96	0.00	0.0	8.901	0.065	2	0	1	4	L
L PL.33251	PL.53985	B	#1/0 ACSR	6.98Y	116.4	0.00	8.63	1.50	1	10	3	96	0.00	0.0	8.946	0.045	10	3	1	1	L
L PL.33226	PL.53985	B	6 A (CWC)	6.98Y	116.4	0.01	8.63	0.76	1	5	1	98	0.00	0.0	9.173	0.272	3	1	1	2	L
L PL.33227	PL.33226	B	6 A (CWC)	6.98Y	116.4	0.00	8.63	0.29	0	2	1	89	0.00	0.0	9.241	0.069	2	1	1	1	L
L PL.33808	PL.57485	B	#2 ACSR	6.99Y	116.5	0.01	8.54	1.15	1	8	2	97	0.00	0.0	8.672	0.161	0	0	0	1	L
L PL.33809	PL.33808	B	#2 ACSR	6.99Y	116.5	0.00	8.54	1.15	1	8	2	97	0.00	0.0	8.728	0.056	8	2	1	1	L
L PL.34309	PL.34308	A	#4 ACSR	7.02Y	117.0	0.00	8.05	8.26	6	56	15	97	0.00	0.0	7.737	0.001	0	0	0	7	L
L PD.4912	PL.34309	A	40QA	7.02Y	117.0	0.00	8.05	8.26	21	56	15	97	0.00	0.0	7.737	0.001	0	0	0	7	L
L PL.34310	PD.4912	A	#4 ACSR	7.02Y	116.9	0.02	8.07	8.26	6	56	15	97	0.01	0.0	7.812	0.075	24	6	2	7	L
L PL.34311	PL.34310	A	#4 ACSR	7.02Y	116.9	0.01	8.08	4.77	4	32	9	96	0.00	0.0	7.864	0.051	13	3	2	5	L
L PL.54013	PL.34311	A	#4 ACSR	7.02Y	116.9	0.01	8.08	2.88	2	19	5	97	0.00	0.0	7.954	0.091	19	5	3	3	L
L PL.34302	PL.64332	C	#4 ACSR	7.04Y	117.3	0.00	7.71	0.00	0	0	0	100	0.00	0.0	7.334	0.000	0	0	0	0	L
L PD.4955	PL.34302	C	50QA	7.04Y	117.3	0.00	7.71	0.00	0	0	0	100	0.00	0.0	7.334	0.000	0	0	0	0	L
L PL.34304	PD.4955	C	#4 ACSR	7.04Y	117.3	0.00	7.71	0.00	0	0	0	100	0.00	0.0	7.413	0.079	0	0	0	0	L
L PL.61228	PL.33455	B	6 A (CWC)	7.05Y	117.5	0.00	7.48	13.27	9	90	25	96	0.00	0.0	7.056	0.001	0	0	0	13	L
L PD.9108	PL.61228	B	50QA	7.05Y	117.5	0.00	7.48	13.27	27	90	25	96	0.00	0.0	7.056	0.001	0	0	0	13	L
L PL.61226	PD.9108	B	6 A (CWC)	7.04Y	117.4	0.12	7.60	13.27	9	90	25	96	0.08	0.1	7.278	0.222	17	5	2	13	L
L PL.61227	PL.61226	B	6 A (CWC)	7.04Y	117.4	0.00	7.60	0.87	1	6	2	95	0.00	0.0	7.329	0.051	6	2	2	2	L
L PL.61229	PL.61226	B	6 A (CWC)	7.04Y	117.3	0.06	7.66	9.95	7	68	18	97	0.03	0.0	7.413	0.135	2	0	1	9	L
L PL.34300	PL.61229	B	6 A (CWC)	7.04Y	117.3	0.02	7.68	9.69	7	66	18	96	0.01	0.0	7.460	0.047	0	0	0	8	L
L PL.34301	PL.34300	B	6 A (CWC)	7.04Y	117.3	0.02	7.71	9.69	7	66	18	96	0.01	0.0	7.514	0.054	9	3	2	8	L
L PL.55200	PL.34301	B	6 A (CWC)	7.03Y	117.2	0.05	7.75	8.32	6	56	15	97	0.02	0.0	7.658	0.144	12	3	2	6	L

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Balanced Voltage Drop Report
Source: Bush

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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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
L PL.55201	PL.55200	B	6 A (CWC)	7.03Y	117.2	0.01	7.76	6.52	5	44	12	96	0.00	0.0	7.709	0.051	44	12	4	4	L
L PL.55199	PL.55201	B	6 A (CWC)	7.03Y	117.2	0.00	7.76	0.00	0	0	0	100	0.00	0.0	7.762	0.053	0	0	0	0	L
L PL.33634	PL.34300	B	#4 ACSR	7.04Y	117.3	0.00	7.68	0.00	0	0	0	100	0.00	0.0	7.517	0.057	0	0	0	0	L
L PL.34210	PL.34209	C	#4 ACSR	7.07Y	117.8	0.00	7.21	0.56	0	4	1	97	0.00	0.0	6.784	0.000	0	0	0	1	L
L PD.4925	PL.34210	C	50QA	7.07Y	117.8	0.00	7.21	0.56	1	4	1	97	0.00	0.0	6.784	0.000	0	0	0	1	L
L PL.34211	PD.4925	C	#4 ACSR	7.07Y	117.8	0.00	7.21	0.56	0	4	1	97	0.00	0.0	6.837	0.053	4	1	1	1	L
L PL.64850	PL.53664	A	#4 ACSR	7.07Y	117.8	0.00	7.19	12.21	9	83	23	96	0.00	0.0	6.763	0.001	0	0	0	16	L
L PD.4910	PL.64850	A	50QA	7.07Y	117.8	0.00	7.19	12.21	24	83	23	96	0.00	0.0	6.763	0.001	0	0	0	16	L
L PL.53893	PD.4910	A	#4 ACSR	7.07Y	117.8	0.01	7.19	12.21	9	83	23	96	0.00	0.0	6.773	0.010	3	1	3	16	L
L PL.53892	PL.53893	A	#4 ACSR	7.07Y	117.8	0.04	7.24	11.75	9	80	22	96	0.03	0.0	6.857	0.084	3	1	2	13	L
L PL.33422	PL.53892	A	#4 ACSR	7.06Y	117.7	0.03	7.27	11.38	9	78	21	97	0.02	0.0	6.920	0.064	0	0	0	11	L
L PL.33426	PL.33422	A	#4 ACSR	7.06Y	117.7	0.00	7.27	1.24	1	8	2	97	0.00	0.0	6.944	0.024	8	2	2	2	L
L PL.53886	PL.33422	A	#4 ACSR	7.06Y	117.7	0.01	7.28	3.34	3	23	6	97	0.00	0.0	7.011	0.091	23	6	3	3	L
L PL.33421	PL.33422	A	#4 ACSR	7.06Y	117.7	0.02	7.29	6.80	5	46	13	96	0.01	0.0	6.983	0.063	0	0	0	6	L
L PL.53972	PL.33421	A	#4 ACSR	7.06Y	117.7	0.00	7.29	5.98	5	41	11	97	0.00	0.0	7.009	0.025	28	8	3	5	L
L PL.53993	PL.53972	A	#4 ACSR	7.06Y	117.7	0.00	7.30	1.90	1	13	4	96	0.00	0.0	7.106	0.097	13	4	2	2	L
L PL.53973	PL.53972	A	#4 ACSR	7.06Y	117.7	0.00	7.29	0.00	0	0	0	100	0.00	0.0	7.031	0.023	0	0	0	0	L
L PL.33586	PL.33421	A	#4 ACSR	7.06Y	117.7	0.00	7.29	0.82	1	6	2	95	0.00	0.0	7.040	0.057	0	0	0	1	L
L PL.33587	PL.33586	A	#4 ACSR	7.06Y	117.7	0.00	7.29	0.82	1	6	2	95	0.00	0.0	7.125	0.085	6	2	1	1	L
L PL.33255	PL.33587	A	#4 ACSR	7.06Y	117.7	0.00	7.29	0.00	0	0	0	100	0.00	0.0	7.188	0.063	0	0	0	0	L
L PL.62693	PL.33587	A	#4 ACSR	7.06Y	117.7	0.00	7.29	0.00	0	0	0	100	0.00	0.0	7.163	0.037	0	0	0	0	L
L PL.62694	PL.62693	A	#4 ACSR	7.06Y	117.7	0.00	7.29	0.00	0	0	0	100	0.00	0.0	7.224	0.061	0	0	0	0	L
L PL.53665	PL.53950	B	#2 ACSR	7.07Y	117.9	0.00	7.10	0.45	0	3	1	95	0.00	0.0	6.683	0.002	0	0	0	2	L
L PD.8113	PL.53665	B	15QA	7.07Y	117.9	0.00	7.10	0.45	0	3	1	95	0.00	0.0	6.683	0.002	0	0	0	2	L
L PL.53878	PD.8113	B	#2 ACSR	7.07Y	117.9	0.00	7.10	0.45	0	3	1	95	0.00	0.0	6.690	0.008	2	0	1	2	L
L PL.53877	PL.53878	B	#2 ACSR	7.07Y	117.9	0.00	7.10	0.18	0	1	0	100	0.00	0.0	6.715	0.025	1	0	1	1	L
L PL.53666	PL.53950	B	#1/0 ACSR	7.07Y	117.9	0.00	7.10	0.87	0	6	2	95	0.00	0.0	6.683	0.003	0	0	0	2	L
L PD.8114	PL.53666	B	15QA	7.07Y	117.9	0.00	7.10	0.87	0	6	2	95	0.00	0.0	6.683	0.003	0	0	0	2	L
L PL.56756	PD.8114	B	#1/0 ACSR	7.07Y	117.9	0.00	7.10	0.87	0	6	2	95	0.00	0.0	6.731	0.047	6	2	2	2	L
L PL.33518	PL.33462	A	6 A (CWC)	7.08Y	118.0	0.00	7.03	2.04	1	14	4	96	0.00	0.0	6.657	0.045	14	4	3	3	L
PL.33214	PL.34207	C	6 A (CWC)	7.08Y	118.1	0.00	6.92	5.03	4	34	9	97	0.00	0.0	6.524	0.001	0	0	0	7	

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Balanced Voltage Drop Report
Source: Bush

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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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.4907	PL.33214	C	50QA	7.08Y	118.1	0.00	6.92	5.03	10	34	9	97	0.00	0.0	6.524	0.001	0	0	0	7
PL.33215	PD.4907	C	6 A (CWC)	7.08Y	118.1	0.00	6.93	5.03	4	34	9	97	0.00	0.0	6.539	0.015	16	4	3	7
PL.64870	PL.33215	C	6 A (CWC)	7.08Y	118.1	0.01	6.94	2.73	2	19	5	97	0.00	0.0	6.658	0.119	8	2	1	4
PL.33106	PL.64870	C	6 A (CWC)	7.08Y	118.1	0.00	6.94	1.59	1	11	3	96	0.00	0.0	6.699	0.041	7	2	1	3
PL.57881	PL.33106	C	6 A (CWC)	7.08Y	118.1	0.00	6.94	0.50	0	3	1	95	0.00	0.0	6.745	0.046	3	1	2	2
PL.33475	PL.33469	C	6 A (CWC)	7.09Y	118.2	0.00	6.75	0.79	1	5	1	98	0.00	0.0	6.377	0.000	0	0	0	2
PD.4906	PL.33475	C	50QA	7.09Y	118.2	0.00	6.75	0.79	2	5	1	98	0.00	0.0	6.377	0.000	0	0	0	2
PL.33315	PD.4906	C	6 A (CWC)	7.09Y	118.2	0.00	6.75	0.79	1	5	1	98	0.00	0.0	6.410	0.033	5	1	2	2
PL.34184	PL.58878	ABC	#3/0 ACSR	7.12Y	118.6	0.00	6.38	5.17	2	106	29	96	0.00	0.0	6.148	0.061	8	2	2	21
PL.34185	PL.34184	ABC	#3/0 ACSR	7.12Y	118.6	0.00	6.39	4.78	2	98	27	96	0.00	0.0	6.233	0.085	5	1	1	19
PL.34181	PL.34185	ABC	#3/0 ACSR	7.12Y	118.6	0.00	6.39	4.53	2	93	25	97	0.00	0.0	6.298	0.065	9	2	3	17
PL.33204	PL.34181	A	#4 ACSR	7.12Y	118.6	0.00	6.39	2.95	2	20	6	96	0.00	0.0	6.298	0.000	0	0	0	5
PD.4895	PL.33204	A	50QA	7.12Y	118.6	0.00	6.39	2.95	6	20	6	96	0.00	0.0	6.298	0.000	0	0	0	5
PL.33205	PD.4895	A	#4 ACSR	7.12Y	118.6	0.00	6.39	2.95	2	20	6	96	0.00	0.0	6.328	0.030	14	4	2	5
PL.34179	PL.33205	A	6 A (CWC)	7.12Y	118.6	0.00	6.40	0.93	1	6	2	95	0.00	0.0	6.385	0.057	4	1	2	3
PL.34180	PL.34179	A	6 A (CWC)	7.12Y	118.6	0.00	6.40	0.33	0	2	1	89	0.00	0.0	6.476	0.091	2	1	1	1
PL.34178	PL.34181	ABC	#3/0 ACSR	7.12Y	118.6	0.00	6.39	3.12	1	64	18	96	0.00	0.0	6.359	0.061	0	0	0	9
PL.34177	PL.34178	ABC	#3/0 ACSR	7.12Y	118.6	0.01	6.40	3.12	1	64	18	96	0.00	0.0	6.507	0.148	0	0	0	9
PL.34175	PL.34177	B	6 A (CWC)	7.12Y	118.6	0.00	6.40	2.11	2	14	4	96	0.00	0.0	6.508	0.001	0	0	0	3
PD.4939	PL.34175	B	50QA	7.12Y	118.6	0.00	6.40	2.11	4	14	4	96	0.00	0.0	6.508	0.001	0	0	0	3
PL.34176	PD.4939	B	6 A (CWC)	7.12Y	118.6	0.00	6.40	2.11	2	14	4	96	0.00	0.0	6.516	0.008	5	1	1	3
PL.33349	PL.34176	B	6 A (CWC)	7.12Y	118.6	0.01	6.40	1.45	1	10	3	96	0.00	0.0	6.624	0.109	6	2	1	2
PL.33350	PL.33349	B	6 A (CWC)	7.12Y	118.6	0.00	6.41	0.59	0	4	1	97	0.00	0.0	6.680	0.055	4	1	1	1
PL.33353	PL.34177	ABC	#3/0 ACSR	7.12Y	118.6	0.00	6.40	2.41	1	50	14	96	0.00	0.0	6.567	0.060	7	2	1	6
PL.33348	PL.33353	ABC	#3/0 ACSR	7.12Y	118.6	0.00	6.40	2.07	1	43	12	96	0.00	0.0	6.657	0.090	18	5	2	5
PL.33489	PL.33348	B	6 A (CWC)	7.12Y	118.6	0.00	6.40	2.86	2	20	5	97	0.00	0.0	6.657	0.000	0	0	0	2
PD.4896	PL.33489	B	50QA	7.12Y	118.6	0.00	6.40	2.86	6	20	5	97	0.00	0.0	6.657	0.000	0	0	0	2
PL.33351	PD.4896	B	6 A (CWC)	7.12Y	118.6	0.00	6.41	2.86	2	20	5	97	0.00	0.0	6.700	0.043	9	2	1	2
PL.33352	PL.33351	B	6 A (CWC)	7.12Y	118.6	0.00	6.41	1.56	1	11	3	96	0.00	0.0	6.717	0.017	11	3	1	1
PL.33194	PL.33348	C	#2 ACSR	7.12Y	118.6	0.00	6.40	0.79	0	5	1	98	0.00	0.0	6.731	0.074	5	1	1	1
PL.33347	PL.33348	ABC	#3/0 ACSR	7.12Y	118.6	0.00	6.40	0.00	0	0	0	100	0.00	0.0	6.670	0.013	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: Bush

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.4949-B	PL.33347	ABC	Open	7.12Y	118.6	0.00	6.40	0.00	0	0	0	100	0.00	0.0	6.670	0.013	0	0	0	0
PL.34182	PL.34185	A	6 A (CWC)	7.12Y	118.6	0.00	6.39	0.00	0	0	0	100	0.00	0.0	6.233	0.001	0	0	0	1
PD.4975	PL.34182	A	50QA	7.12Y	118.6	0.00	6.39	0.00	0	0	0	100	0.00	0.0	6.233	0.001	0	0	0	1
PL.34183	PD.4975	A	6 A (CWC)	7.12Y	118.6	0.00	6.39	0.00	0	0	0	100	0.00	0.0	6.330	0.097	0	0	1	1
PL.53907	PL.53902	A	#2 ACSR	7.15Y	119.1	0.00	5.92	1.01	1	7	2	96	0.00	0.0	5.901	0.022	7	2	1	1
PL.53887	PL.55176	A	#1/0 ACSR	7.17Y	119.4	0.00	5.55	0.92	0	6	2	95	0.00	0.0	5.724	0.003	0	0	0	1
PD.7930	PL.53887	A	10QA	7.17Y	119.4	0.00	5.55	0.92	0	6	2	95	0.00	0.0	5.724	0.003	0	0	0	1
PL.53889	PD.7930	A	#1/0 ACSR	7.17Y	119.4	0.00	5.55	0.92	0	6	2	95	0.00	0.0	5.732	0.009	0	0	0	1
PL.53888	PL.53889	A	#1/0 ACSR	7.17Y	119.4	0.00	5.55	0.92	0	6	2	95	0.00	0.0	5.763	0.031	6	2	1	1
PL.61244	PL.61246	A	#4 ACSR	7.30Y	121.6	0.00	3.36	1.95	1	14	4	96	0.00	0.0	4.870	0.001	0	0	0	2
PD.5001	PL.61244	A	12T	7.30Y	121.6	0.00	3.36	1.95	0	14	4	96	0.00	0.0	4.870	0.001	0	0	0	2
PL.33113	PD.5001	A	#4 ACSR	7.30Y	121.6	0.00	3.36	1.95	1	14	4	96	0.00	0.0	4.915	0.046	14	4	2	2
PL.33803	PL.33632	A	#2 ACSR	7.33Y	122.1	0.00	2.88	5.43	3	38	10	97	0.00	0.0	4.691	0.003	0	0	0	4
PD.4937	PL.33803	A	20T	7.33Y	122.1	0.00	2.88	5.43	0	38	10	97	0.00	0.0	4.691	0.003	0	0	0	4
PL.53946	PD.4937	A	#2 ACSR	7.33Y	122.1	0.01	2.89	5.43	3	38	10	97	0.00	0.0	4.727	0.036	0	0	0	4
PL.72960	PL.53946	A	#1/0 ACSR	7.33Y	122.1	0.01	2.90	5.43	2	38	10	97	0.00	0.0	4.792	0.065	0	0	0	4
PL.72961	PL.72960	A	#1/0 ACSR	7.33Y	122.1	0.01	2.90	5.43	2	38	10	97	0.00	0.0	4.842	0.051	0	0	0	4
PL.62768	PL.72961	A	#1/0 ACSR	7.33Y	122.1	0.01	2.91	3.09	1	22	6	96	0.00	0.0	4.979	0.137	17	5	1	2
PL.53825	PL.62768	A	#1/0 ACSR	7.33Y	122.1	0.00	2.91	0.69	0	5	1	98	0.00	0.0	5.040	0.061	5	1	1	1
PL.62769	PL.72961	A	#1/0 ACSR	7.33Y	122.1	0.00	2.91	2.34	1	17	5	96	0.00	0.0	4.907	0.065	0	0	0	2
PL.62770	PL.62769	A	#1/0 ACSR	7.33Y	122.1	0.00	2.91	2.34	1	17	5	96	0.00	0.0	4.986	0.079	9	3	1	2
PL.62771	PL.62770	A	#1/0 ACSR	7.33Y	122.1	0.00	2.91	1.00	0	7	2	96	0.00	0.0	5.054	0.068	7	2	1	1
CP.50	PL.33463	ABC	Cap (300)	7.39Y	123.2	0.00	1.80	0.00	0	0	0	100	0.00	0.0	4.309	0.068	0	0	0	0
PL.33798	PL.53669	A	#1/0 ACSR	7.41Y	123.4	0.00	1.56	0.84	0	6	2	95	0.00	0.0	4.228	0.004	0	0	0	2
PD.4985	PL.33798	A	10QA	7.41Y	123.4	0.00	1.56	0.84	0	6	2	95	0.00	0.0	4.228	0.004	0	0	0	2
PL.53802	PD.4985	A	#1/0 ACSR	7.41Y	123.4	0.00	1.56	0.84	0	6	2	95	0.00	0.0	4.339	0.112	0	0	1	2
PL.53803	PL.53802	A	#1/0 ACSR	7.41Y	123.4	0.00	1.56	0.84	0	6	2	95	0.00	0.0	4.464	0.124	6	2	1	1
PL.53670	PL.53896	C	#1/0 ACSR	7.42Y	123.7	0.00	1.31	1.20	1	9	2	98	0.00	0.0	4.139	0.004	0	0	0	1
PD.8112	PL.53670	C	20QA	7.42Y	123.7	0.00	1.31	1.20	6	9	2	98	0.00	0.0	4.139	0.004	0	0	0	1
PL.53824	PD.8112	C	#1/0 ACSR	7.42Y	123.7	0.00	1.31	1.20	1	9	2	98	0.00	0.0	4.185	0.047	9	2	1	1
PL.33130	PL.33128	C	6 A (CWC)	7.47Y	124.5	0.00	0.52	0.08	0	1	0	100	0.00	0.0	3.864	0.002	0	0	0	1

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Balanced Voltage Drop Report
Source: Bush

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PD.4938	PL.33130	C	40QA	7.47Y	124.5	0.00	0.52	0.08	0	1	0	100	0.00	0.0	3.864	0.002	0	0	0	1	
PL.33131	PD.4938	C	6 A (CWC)	7.47Y	124.5	0.00	0.52	0.08	0	1	0	100	0.00	0.0	3.969	0.105	1	0	1	1	
L PL.33133	PL.33774	A	#4 ACSR	6.86Y	114.4	0.00	10.65	1.99	2	13	4	96	0.00	0.0	3.161	0.003	0	0	0	2	L
L PD.4997	PL.33133	A	40QA	6.86Y	114.4	0.00	10.65	1.99	5	13	4	96	0.00	0.0	3.161	0.003	0	0	0	2	L
L PL.33134	PD.4997	A	#4 ACSR	6.86Y	114.3	0.00	10.65	1.99	2	13	4	96	0.00	0.0	3.184	0.023	9	2	1	2	L
L PL.33778	PL.33134	A	#4 ACSR	6.86Y	114.3	0.00	10.65	0.67	1	4	1	97	0.00	0.0	3.260	0.076	4	1	1	1	L
L PL.33775	PL.33610	C	6 A (CWC)	6.88Y	114.7	0.00	10.34	11.70	8	78	21	97	0.00	0.0	3.068	0.001	0	0	0	10	L
L PD.4905	PL.33775	C	40QA	6.88Y	114.7	0.00	10.34	11.70	29	78	21	97	0.00	0.0	3.068	0.001	0	0	0	10	L
L PL.33777	PD.4905	C	6 A (CWC)	6.88Y	114.6	0.01	10.35	11.70	8	78	21	97	0.01	0.0	3.098	0.030	18	5	2	10	L
L PL.33781	PL.33777	C	6 A (CWC)	6.88Y	114.6	0.04	10.39	8.98	6	60	16	97	0.02	0.0	3.203	0.105	8	2	1	8	L
L PL.33782	PL.33781	C	6 A (CWC)	6.88Y	114.6	0.02	10.41	6.87	5	46	12	97	0.01	0.0	3.252	0.049	0	0	0	6	L
L PL.33499	PL.33782	C	6 A (CWC)	6.88Y	114.6	0.00	10.41	1.08	1	7	2	96	0.00	0.0	3.355	0.102	7	2	2	2	L
L PL.53807	PL.33782	C	6 A (CWC)	6.87Y	114.6	0.02	10.43	5.79	4	38	10	97	0.01	0.0	3.345	0.093	9	3	1	4	L
L PL.53808	PL.53807	C	6 A (CWC)	6.87Y	114.5	0.02	10.45	3.15	2	21	6	96	0.00	0.0	3.531	0.185	7	2	1	2	L
L PL.34395	PL.53808	C	6 A (CWC)	6.87Y	114.5	0.00	10.46	2.08	1	14	4	96	0.00	0.0	3.577	0.046	14	4	1	1	L
L PL.53809	PL.53807	C	#1/0 ACSR	6.87Y	114.6	0.00	10.43	1.23	1	8	2	97	0.00	0.0	3.494	0.149	8	2	1	1	L
L PL.64854	PL.33781	C	6 A (CWC)	6.88Y	114.6	0.00	10.40	0.88	1	6	2	95	0.00	0.0	3.353	0.150	6	2	1	1	L
L PL.33611	PL.33609	A	#4 ACSR	6.89Y	114.8	0.00	10.19	0.62	0	4	1	97	0.00	0.0	3.025	0.001	0	0	0	2	L
L PD.4904	PL.33611	A	40QA	6.89Y	114.8	0.00	10.19	0.62	2	4	1	97	0.00	0.0	3.025	0.001	0	0	0	2	L
L PL.64339	PD.4904	A	#4 ACSR	6.89Y	114.8	0.00	10.19	0.62	0	4	1	97	0.00	0.0	3.062	0.037	0	0	0	2	L
L PL.64340	PL.64339	A	#4 ACSR	6.89Y	114.8	0.00	10.19	0.42	0	3	1	95	0.00	0.0	3.103	0.041	3	1	1	1	L
L PL.64341	PL.64339	A	#2 ACSR	6.89Y	114.8	0.00	10.19	0.20	0	1	0	100	0.00	0.0	3.098	0.036	0	0	0	1	L
L PL.64342	PL.64341	A	#1/0 ACSR	6.89Y	114.8	0.00	10.19	0.20	0	1	0	100	0.00	0.0	3.133	0.035	1	0	1	1	L
L PL.33772	PL.53918	A	#4 ACSR	6.91Y	115.1	0.00	9.89	0.62	0	4	1	97	0.00	0.0	2.938	0.001	0	0	0	2	L
L PD.4901	PL.33772	A	40QA	6.91Y	115.1	0.00	9.89	0.62	2	4	1	97	0.00	0.0	2.938	0.001	0	0	0	2	L
L PL.33773	PD.4901	A	#4 ACSR	6.91Y	115.1	0.00	9.89	0.62	0	4	1	97	0.00	0.0	3.003	0.065	4	1	2	2	L
L PL.33771	PL.53821	A	6 A (CWC)	6.97Y	116.2	0.00	8.81	0.64	0	4	1	97	0.00	0.0	2.629	0.001	0	0	0	1	L
L PD.4903	PL.33771	A	40QA	6.97Y	116.2	0.00	8.81	0.64	2	4	1	97	0.00	0.0	2.629	0.001	0	0	0	1	L
L PL.53823	PD.4903	A	6 A (CWC)	6.97Y	116.2	0.00	8.81	0.64	0	4	1	97	0.00	0.0	2.705	0.077	4	1	1	1	L
L PL.53822	PL.53820	C	#1/0 ACSR	7.02Y	117.0	0.00	8.03	2.02	1	14	4	96	0.00	0.0	2.421	0.015	14	4	1	1	L
PL.61196	PL.33538	C	#1/0 ACSR	7.12Y	118.6	0.00	6.36	1.38	1	9	3	95	0.00	0.0	1.939	0.003	0	0	0	1	

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Balanced Voltage Drop Report
Source: Bush

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.9103	PL.61196	C	15T	7.12Y	118.6	0.00	6.36	1.38	0	9	3	95	0.00	0.0	1.939	0.003	0	0	0	1
PL.61197	PD.9103	C	#1/0 ACSR	7.12Y	118.6	0.00	6.36	1.38	1	9	3	95	0.00	0.0	1.981	0.041	9	3	1	1
PL.33686	PL.33538	C	6 A (CWC)	7.12Y	118.6	0.00	6.36	1.90	1	13	4	96	0.00	0.0	1.991	0.055	9	3	1	2
PL.33769	PL.33686	C	6 A (CWC)	7.12Y	118.6	0.00	6.37	0.53	0	4	1	97	0.00	0.0	2.081	0.090	4	1	1	1
PL.33507	PL.55071	C	6 A (CWC)	7.15Y	119.2	0.00	5.76	9.87	7	68	19	96	0.00	0.0	1.768	0.001	0	0	0	9
PD.4902	PL.33507	C	40QA	7.15Y	119.2	0.00	5.76	9.87	25	68	19	96	0.00	0.0	1.768	0.001	0	0	0	9
PL.55069	PD.4902	C	6 A (CWC)	7.15Y	119.2	0.02	5.78	9.87	7	68	19	96	0.01	0.0	1.817	0.049	11	3	1	9
PL.55379	PL.55069	C	#1/0 ACSR	7.15Y	119.2	0.00	5.78	8.34	4	58	16	96	0.00	0.0	1.825	0.008	7	2	1	8
PL.55380	PL.55379	C	#1/0 ACSR	7.15Y	119.2	0.02	5.80	7.25	3	50	14	96	0.01	0.0	1.944	0.119	8	2	1	7
PL.55381	PL.55380	C	#1/0 ACSR	7.15Y	119.2	0.00	5.80	1.27	1	9	2	98	0.00	0.0	2.033	0.089	9	2	1	1
PL.55382	PL.55380	C	#1/0 ACSR	7.15Y	119.2	0.00	5.80	4.78	2	33	9	96	0.00	0.0	1.980	0.036	8	2	1	5
PL.55383	PL.55382	C	#1/0 ACSR	7.15Y	119.2	0.01	5.81	3.61	2	25	7	96	0.00	0.0	2.064	0.084	13	3	2	4
PL.57164	PL.55383	C	#1/0 ACSR	7.15Y	119.2	0.00	5.81	0.90	0	6	2	95	0.00	0.0	2.156	0.092	6	2	1	1
PL.54808	PL.55383	C	#1/0 ACSR	7.15Y	119.2	0.00	5.81	0.88	0	6	2	95	0.00	0.0	2.098	0.034	6	2	1	1
PL.33188	PL.54795	C	6 A (CWC)	7.17Y	119.6	0.00	5.45	0.67	0	5	1	98	0.00	0.0	1.687	0.004	0	0	0	2
PD.4935	PL.33188	C	40QA	7.17Y	119.6	0.00	5.45	0.67	2	5	1	98	0.00	0.0	1.687	0.004	0	0	0	2
PL.33246	PD.4935	C	6 A (CWC)	7.17Y	119.5	0.00	5.45	0.67	0	5	1	98	0.00	0.0	1.804	0.116	5	1	2	2
PL.54798	PL.54797	C	6 A (CWC)	7.23Y	120.5	0.00	4.52	1.98	1	14	4	96	0.00	0.0	1.435	0.004	0	0	0	3
PD.8172	PL.54798	C	40QA	7.23Y	120.5	0.00	4.52	1.98	5	14	4	96	0.00	0.0	1.435	0.004	0	0	0	3
PL.54799	PD.8172	C	6 A (CWC)	7.23Y	120.5	0.01	4.53	1.98	1	14	4	96	0.00	0.0	1.529	0.095	3	1	1	3
PL.54800	PL.54799	C	6 A (CWC)	7.23Y	120.5	0.00	4.53	1.53	1	11	3	96	0.00	0.0	1.581	0.052	0	0	0	2
PL.33245	PL.54800	C	6 A (CWC)	7.23Y	120.5	0.00	4.53	0.56	0	4	1	97	0.00	0.0	1.646	0.064	4	1	1	1
PL.33258	PL.54800	C	6 A (CWC)	7.23Y	120.5	0.00	4.53	0.97	1	7	2	96	0.00	0.0	1.635	0.054	7	2	1	1
PL.54791	PL.54790	A	#2 ACSR	7.28Y	121.3	0.00	3.74	1.11	1	8	2	97	0.00	0.0	1.225	0.003	0	0	0	1
PD.8170	PL.54791	A	40QA	7.28Y	121.3	0.00	3.74	1.11	3	8	2	97	0.00	0.0	1.225	0.003	0	0	0	1
PL.54792	PD.8170	A	#2 ACSR	7.28Y	121.3	0.00	3.74	1.11	1	8	2	97	0.00	0.0	1.285	0.060	8	2	1	1
PL.54788	PL.54787	C	#4 ACSR	7.30Y	121.6	0.00	3.36	0.72	1	5	1	98	0.00	0.0	1.124	0.003	0	0	0	1
PD.8169	PL.54788	C	40QA	7.30Y	121.6	0.00	3.36	0.72	2	5	1	98	0.00	0.0	1.124	0.003	0	0	0	1
PL.54789	PD.8169	C	#4 ACSR	7.30Y	121.6	0.00	3.36	0.72	1	5	1	98	0.00	0.0	1.214	0.091	5	1	1	1
PL.33282	PL.33244	B	6 A (CWC)	7.32Y	121.9	0.00	3.08	6.66	5	47	13	96	0.00	0.0	1.049	0.003	0	0	0	9
PD.4984	PL.33282	B	40QA	7.32Y	121.9	0.00	3.08	6.66	17	47	13	96	0.00	0.0	1.049	0.003	0	0	0	9

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Balanced Voltage Drop Report
Source: Bush

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.64051	PD.4984	B	6 A (CWC)	7.31Y	121.9	0.03	3.11	6.66	5	47	13	96	0.01	0.0	1.160	0.110	8	2	2	9
PL.64054	PL.64051	B	#4 ACSR	7.31Y	121.9	0.01	3.13	3.08	2	22	6	96	0.00	0.0	1.269	0.109	0	0	0	5
PL.57608	PL.64054	B	#1/0 ACSR	7.31Y	121.9	0.00	3.13	2.31	1	16	4	97	0.00	0.0	1.331	0.063	4	1	1	4
PL.57609	PL.57608	B	#1/0 ACSR	7.31Y	121.9	0.00	3.13	1.69	1	12	3	97	0.00	0.0	1.410	0.079	0	0	1	3
PL.62772	PL.57609	B	#1/0 ACSR	7.31Y	121.9	0.00	3.14	1.69	1	12	3	97	0.00	0.0	1.413	0.003	0	0	0	2
PD.9436	PL.62772	B	25T	7.31Y	121.9	0.00	3.14	1.69	0	12	3	97	0.00	0.0	1.413	0.003	0	0	0	2
PL.62773	PD.9436	B	#1/0 ACSR	7.31Y	121.9	0.00	3.14	1.69	1	12	3	97	0.00	0.0	1.476	0.063	0	0	0	2
PL.62774	PL.62773	B	#1/0 ACSR	7.31Y	121.9	0.00	3.14	1.69	1	12	3	97	0.00	0.0	1.514	0.038	0	0	0	2
PL.62775	PL.62774	B	#1/0 ACSR	7.31Y	121.9	0.00	3.14	1.69	1	12	3	97	0.00	0.0	1.571	0.057	12	3	1	2
PL.62776	PL.62775	B	#1/0 ACSR	7.31Y	121.9	0.00	3.14	0.01	0	0	0	100	0.00	0.0	1.727	0.156	0	0	1	1
PL.54786	PL.64054	B	#4 ACSR	7.31Y	121.9	0.00	3.13	0.76	1	5	1	98	0.00	0.0	1.336	0.067	5	1	1	1
PL.64052	PL.64051	B	#1/0 ACSR	7.31Y	121.9	0.00	3.12	0.76	0	5	1	98	0.00	0.0	1.282	0.122	5	1	1	1
PL.64053	PL.64051	B	#1/0 ACSR	7.31Y	121.9	0.00	3.12	1.75	1	12	3	97	0.00	0.0	1.217	0.058	12	3	1	1
PL.33418	PL.33362	A	6 A (CWC)	7.39Y	123.1	0.00	1.86	4.19	3	30	8	97	0.00	0.0	0.728	0.001	0	0	0	10
PD.4900	PL.33418	A	40QA	7.39Y	123.1	0.00	1.86	4.19	10	30	8	97	0.00	0.0	0.728	0.001	0	0	0	10
PL.61200	PD.4900	A	6 A (CWC)	7.39Y	123.1	0.02	1.88	4.19	3	30	8	97	0.00	0.0	0.844	0.116	0	0	0	10
PL.61201	PL.61200	A	6 A (CWC)	7.39Y	123.1	0.01	1.89	3.37	2	24	7	96	0.00	0.0	0.902	0.058	6	2	2	9
PL.55056	PL.61201	A	6 A (CWC)	7.39Y	123.1	0.01	1.90	2.56	2	18	5	96	0.00	0.0	1.012	0.111	0	0	0	7
PL.55064	PL.55056	A	6 A (CWC)	7.39Y	123.1	0.01	1.91	2.56	2	18	5	96	0.00	0.0	1.116	0.104	0	0	1	7
PL.55067	PL.55064	A	6 A (CWC)	7.38Y	123.1	0.00	1.92	2.55	2	18	5	96	0.00	0.0	1.151	0.035	7	2	2	6
PL.55068	PL.55067	A	6 A (CWC)	7.38Y	123.1	0.01	1.93	1.54	1	11	3	96	0.00	0.0	1.272	0.121	0	0	0	4
PL.55066	PL.55068	A	6 A (CWC)	7.38Y	123.1	0.00	1.93	0.81	1	6	2	95	0.00	0.0	1.327	0.055	0	0	1	2
PL.55057	PL.55066	A	6 A (CWC)	7.38Y	123.1	0.00	1.93	0.81	1	6	2	95	0.00	0.0	1.372	0.045	6	2	1	1
PL.55065	PL.55068	A	6 A (CWC)	7.38Y	123.1	0.00	1.93	0.73	1	5	1	98	0.00	0.0	1.362	0.089	5	1	2	2
PL.55063	PL.55064	A	6 A (CWC)	7.39Y	123.1	0.00	1.91	0.00	0	0	0	100	0.00	0.0	1.286	0.170	0	0	0	0
PL.61202	PL.61200	A	#1/0 ACSR	7.39Y	123.1	0.00	1.88	0.82	0	6	2	95	0.00	0.0	0.848	0.003	0	0	0	1
PD.9104	PL.61202	A	15T	7.39Y	123.1	0.00	1.88	0.82	0	6	2	95	0.00	0.0	0.848	0.003	0	0	0	1
PL.61203	PD.9104	A	#1/0 ACSR	7.39Y	123.1	0.00	1.88	0.82	0	6	2	95	0.00	0.0	0.872	0.024	6	2	1	1
PL.55251	PL.55249	B	#1/0 ACSR	7.43Y	123.9	0.00	1.14	0.62	0	4	1	97	0.00	0.0	0.474	0.004	0	0	0	1
PD.8180	PL.55251	B	10QA	7.43Y	123.9	0.00	1.14	0.62	0	4	1	97	0.00	0.0	0.474	0.004	0	0	0	1
PL.55252	PD.8180	B	#1/0 ACSR	7.43Y	123.9	0.00	1.14	0.62	0	4	1	97	0.00	0.0	0.526	0.052	4	1	1	1

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Balanced Voltage Drop Report
Source: Bush

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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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.33358	PL.33595	B	#4 ACSR	7.46Y	124.4	0.00	0.63	0.08	0	1	0	100	0.00	0.0	0.293	0.001	0	0	0	1
PD.4899	PL.33358	B	40QA	7.46Y	124.4	0.00	0.63	0.08	0	1	0	100	0.00	0.0	0.293	0.001	0	0	0	1
PL.33359	PD.4899	B	#4 ACSR	7.46Y	124.4	0.00	0.63	0.08	0	1	0	100	0.00	0.0	0.367	0.074	1	0	1	1
PL.52862	Bush	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	137.02	26	2949	898	96	0.00	0.0	0.001	0.001	0	0	0	447
PL.52866	PL.52862	ABC	397 SPACER	7.50Y	125.0	0.00	0.00	137.02	26	2949	898	96	0.00	0.0	0.002	0.001	0	0	0	447
---------- Feeder No. 2 (Blackwater F2) Beginning with Device PD.8054 ----------																				
PD.8054	PL.52866	ABC	480VWE	7.50Y	125.0	0.00	0.00	137.02	0	2949	898	96	0.00	0.0	0.002	0.001	0	0	0	447
PL.33548	PD.8054	ABC	397 SPACER	7.50Y	125.0	0.01	0.01	137.02	26	2949	898	96	0.07	0.0	0.030	0.028	0	0	0	447
PL.55154	PL.33548	C	#2 ACSR	7.50Y	125.0	0.00	0.01	1.35	1	10	3	96	0.00	0.0	0.048	0.018	10	3	2	2
PL.33549	PL.33548	ABC	397 SPACER	7.49Y	124.9	0.07	0.08	136.57	26	2939	894	96	0.40	0.0	0.193	0.163	4	1	1	445
PL.33515	PL.33549	ABC	336 MCM AC	7.49Y	124.8	0.16	0.25	134.74	26	2899	879	96	2.39	0.1	0.349	0.156	0	0	0	441
PL.62402	PL.33515	ABC	336 MCM AC	7.48Y	124.7	0.03	0.28	134.29	26	2887	870	96	0.49	0.0	0.381	0.032	0	0	0	440
PL.62401	PL.62402	ABC	336 MCM AC	7.47Y	124.5	0.21	0.49	132.80	26	2854	860	96	3.03	0.1	0.586	0.205	15	4	1	435
PL.55603	PL.62401	A	6 A (CWC)	7.47Y	124.5	0.00	0.49	1.46	1	11	3	96	0.00	0.0	0.590	0.004	0	0	0	1
PD.8214	PL.55603	A	75QA	7.47Y	124.5	0.00	0.49	1.46	2	11	3	96	0.00	0.0	0.590	0.004	0	0	0	1
PL.62697	PD.8214	A	6 A (CWC)	7.47Y	124.5	0.00	0.49	1.46	1	11	3	96	0.00	0.0	0.682	0.092	11	3	1	1
PL.62696	PL.62697	A	1/0 AL URD	7.47Y	124.5	-0.00	0.49	-0.03	0	0	0	100	0.00	0.0	0.739	0.057	0	0	0	0
PL.55186	PL.62401	ABC	336 MCM AC	7.47Y	124.5	0.03	0.51	131.63	25	2826	847	96	0.42	0.0	0.615	0.029	0	0	0	433
PL.55578	PL.55186	C	#1/0 ACSR	7.47Y	124.5	0.00	0.51	3.39	1	23	10	92	0.00	0.0	0.618	0.003	0	0	0	2
PD.8208	PL.55578	C	75QA	7.47Y	124.5	0.00	0.51	3.39	5	23	10	92	0.00	0.0	0.618	0.003	0	0	0	2
PL.55579	PD.8208	C	#1/0 ACSR	7.47Y	124.5	0.00	0.52	3.39	1	23	10	92	0.00	0.0	0.642	0.024	23	10	2	2
PL.55581	PL.55186	ABC	336 MCM AC	7.47Y	124.4	0.06	0.58	130.51	25	2802	836	96	0.89	0.0	0.677	0.063	8	2	3	431
PL.55580	PL.55581	ABC	336 MCM AC	7.46Y	124.3	0.08	0.65	130.12	25	2793	832	96	1.11	0.0	0.755	0.078	0	0	0	428
PL.55582	PL.55580	A	#4 ACSR	7.46Y	124.3	0.00	0.65	2.67	2	19	5	97	0.00	0.0	0.758	0.003	0	0	0	2
PD.8209	PL.55582	A	75QA	7.46Y	124.3	0.00	0.65	2.67	4	19	5	97	0.00	0.0	0.758	0.003	0	0	0	2
PL.55583	PD.8209	A	#4 ACSR	7.46Y	124.3	0.00	0.66	2.67	2	19	5	97	0.00	0.0	0.817	0.060	19	5	2	2
PL.55584	PL.55580	C	#4 ACSR	7.46Y	124.3	0.00	0.65	0.98	1	7	2	96	0.00	0.0	0.758	0.003	0	0	0	2
PD.8210	PL.55584	C	75QA	7.46Y	124.3	0.00	0.65	0.98	1	7	2	96	0.00	0.0	0.758	0.003	0	0	0	2
PL.55585	PD.8210	C	#4 ACSR	7.46Y	124.3	0.00	0.66	0.98	1	7	2	96	0.00	0.0	0.818	0.060	3	1	1	2

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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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.55586	PL.55585	C	#4 ACSR	7.46Y	124.3	0.00	0.66	0.54	0	4	1	97	0.00	0.0	0.909	0.091	4	1	1	1
PL.63850	PL.55580	ABC	336 MCM AC	7.45Y	124.2	0.11	0.76	128.90	25	2766	822	96	1.56	0.1	0.866	0.111	0	0	0	424
PL.63854	PL.63850	ABC	336 MCM AC	7.45Y	124.2	0.00	0.77	128.90	25	2764	818	96	0.05	0.0	0.870	0.003	0	0	0	424
PL.63858	PL.63854	ABC	336 MCM AC	7.45Y	124.2	0.04	0.81	111.23	21	2391	685	96	0.49	0.0	0.917	0.047	0	0	0	393
PL.63855	PL.63858	ABC	#3/0 ACSR	7.45Y	124.2	0.03	0.84	26.09	9	562	158	96	0.11	0.0	1.014	0.097	12	3	2	114
PL.63856	PL.63855	ABC	#3/0 ACSR	7.45Y	124.1	0.02	0.86	25.52	9	549	154	96	0.08	0.0	1.083	0.069	0	0	0	112
PL.33648	PL.63856	B	6 A (CWC)	7.45Y	124.1	0.00	0.86	3.04	2	22	6	96	0.00	0.0	1.084	0.000	0	0	0	4
PD.5012	PL.33648	B	25T	7.45Y	124.1	0.00	0.86	3.04	0	22	6	96	0.00	0.0	1.084	0.000	0	0	0	4
PL.53418	PD.5012	B	6 A (CWC)	7.45Y	124.1	0.01	0.87	3.04	2	22	6	96	0.00	0.0	1.137	0.053	6	2	1	4
PL.53417	PL.53418	B	6 A (CWC)	7.45Y	124.1	0.00	0.87	2.19	2	16	4	97	0.00	0.0	1.175	0.039	0	0	1	3
PL.53589	PL.53417	B	6 A (CWC)	7.45Y	124.1	0.00	0.87	2.12	2	15	4	97	0.00	0.0	1.228	0.053	15	4	2	2
PL.52710	PL.63856	ABC	#3/0 ACSR	7.45Y	124.1	0.03	0.89	24.28	8	522	147	96	0.09	0.0	1.180	0.097	16	4	4	106
PL.52709	PL.52710	ABC	#3/0 ACSR	7.45Y	124.1	0.01	0.90	23.53	8	506	142	96	0.04	0.0	1.224	0.044	0	0	0	102
PL.53419	PL.52709	ABC	#3/0 ACSR	7.45Y	124.1	0.01	0.91	23.53	8	506	142	96	0.03	0.0	1.262	0.038	17	5	3	102
PL.55553	PL.53419	C	#4 ACSR	7.45Y	124.1	0.00	0.91	7.23	6	52	14	97	0.00	0.0	1.266	0.003	0	0	0	8
PD.8201	PL.55553	C	50QA	7.45Y	124.1	0.00	0.91	7.23	14	52	14	97	0.00	0.0	1.266	0.003	0	0	0	8
PL.55554	PD.8201	C	#4 ACSR	7.44Y	124.1	0.02	0.93	7.23	6	52	14	97	0.01	0.0	1.326	0.060	6	2	4	8
PL.55555	PL.55554	C	#4 ACSR	7.44Y	124.1	0.00	0.94	6.43	5	46	13	96	0.00	0.0	1.342	0.016	17	5	2	4
PL.55552	PL.55555	C	#4 ACSR	7.44Y	124.1	0.00	0.94	4.01	3	29	8	96	0.00	0.0	1.381	0.038	29	8	2	2
PL.55550	PL.53419	ABC	#3/0 ACSR	7.44Y	124.1	0.02	0.93	20.35	7	437	124	96	0.04	0.0	1.322	0.060	25	7	7	91
PL.55556	PL.55550	ABC	#3/0 ACSR	7.44Y	124.1	0.01	0.94	18.57	6	399	113	96	0.03	0.0	1.371	0.048	13	4	4	83
PL.55557	PL.55556	ABC	#3/0 ACSR	7.44Y	124.0	0.01	0.95	17.97	6	386	110	96	0.04	0.0	1.436	0.066	0	0	0	79
PL.53587	PL.55557	C	#1/0 ACSR	7.44Y	124.0	0.00	0.95	0.51	0	4	1	97	0.00	0.0	1.439	0.003	0	0	0	1
PD.7911	PL.53587	C	20QA	7.44Y	124.0	0.00	0.95	0.51	3	4	1	97	0.00	0.0	1.439	0.003	0	0	0	1
PL.53588	PD.7911	C	#1/0 ACSR	7.44Y	124.0	0.00	0.95	0.51	0	4	1	97	0.00	0.0	1.503	0.064	4	1	1	1
PL.55185	PL.55557	ABC	#3/0 ACSR	7.44Y	124.0	0.01	0.97	17.00	6	365	104	96	0.03	0.0	1.501	0.065	0	0	0	73
PL.55420	PL.55185	A	#4 ACSR	7.44Y	124.0	0.00	0.97	3.93	3	28	8	96	0.00	0.0	1.504	0.003	0	0	0	9
PD.8205	PL.55420	A	50QA	7.44Y	124.0	0.00	0.97	3.93	8	28	8	96	0.00	0.0	1.504	0.003	0	0	0	9
PL.55417	PD.8205	A	#4 ACSR	7.44Y	124.0	0.01	0.98	3.93	3	28	8	96	0.00	0.0	1.552	0.048	5	1	2	9
PL.55418	PL.55417	A	#4 ACSR	7.44Y	124.0	0.00	0.98	1.18	1	8	2	97	0.00	0.0	1.593	0.041	8	2	2	2
PL.55419	PL.55417	A	#4 ACSR	7.44Y	124.0	0.00	0.98	2.06	2	15	4	97	0.00	0.0	1.572	0.020	15	4	5	5

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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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.55184	PL.55185	ABC	#3/0 ACSR	7.44Y	124.0	0.01	0.98	15.69	5	337	96	96	0.03	0.0	1.567	0.066	4	1	1	64
PL.53179	PL.55184	ABC	#3/0 ACSR	7.44Y	124.0	0.03	1.01	15.10	5	324	93	96	0.07	0.0	1.739	0.171	0	0	0	60
PL.33458	PL.53179	ABC	#3/0 ACSR	7.44Y	124.0	0.02	1.03	14.75	5	316	90	96	0.03	0.0	1.827	0.088	6	2	1	58
PL.33298	PL.33458	ABC	#3/0 ACSR	7.44Y	124.0	0.01	1.04	14.45	5	310	89	96	0.02	0.0	1.887	0.061	9	3	3	57
PL.33299	PL.33298	ABC	#3/0 ACSR	7.44Y	123.9	0.02	1.06	14.03	5	301	86	96	0.04	0.0	1.999	0.111	0	0	0	54
PL.33301	PL.33299	A	#2 ACSR	7.44Y	123.9	0.00	1.06	1.60	1	11	3	96	0.00	0.0	2.053	0.054	0	0	0	2
PL.33302	PL.33301	A	#2 ACSR	7.44Y	123.9	0.00	1.06	0.45	0	3	1	95	0.00	0.0	2.133	0.080	3	1	1	1
PL.33456	PL.33301	A	#2 ACSR	7.44Y	123.9	0.00	1.06	1.15	1	8	2	97	0.00	0.0	2.082	0.029	8	2	1	1
PL.55566	PL.33299	B	#2 ACSR	7.44Y	123.9	0.00	1.06	7.19	4	52	14	97	0.00	0.0	2.002	0.004	0	0	0	8
PD.8204	PL.55566	B	50QA	7.44Y	123.9	0.00	1.06	7.19	14	52	14	97	0.00	0.0	2.002	0.004	0	0	0	8
PL.55564	PD.8204	B	#2 ACSR	7.44Y	123.9	0.01	1.07	7.19	4	52	14	97	0.00	0.0	2.042	0.040	16	4	2	8
PL.62777	PL.55564	B	#1/0 ACSR	7.44Y	123.9	0.00	1.07	0.49	0	4	1	97	0.00	0.0	2.042	0.000	0	0	0	2
PL.62778	PL.62777	B	#1/0 ACSR	7.44Y	123.9	0.00	1.07	0.49	0	4	1	97	0.00	0.0	2.046	0.004	0	0	0	2
PL.62779	PL.62778	B	#1/0 ACSR	7.44Y	123.9	0.00	1.07	0.49	0	4	1	97	0.00	0.0	2.062	0.016	4	1	2	2
PL.55567	PL.55564	B	#2 ACSR	7.44Y	123.9	0.00	1.07	1.37	1	10	3	96	0.00	0.0	2.072	0.030	10	3	1	1
PL.55565	PL.55564	B	#2 ACSR	7.44Y	123.9	0.00	1.07	3.05	2	22	6	96	0.00	0.0	2.064	0.022	7	2	1	3
PL.53768	PL.55565	B	#2 ACSR	7.44Y	123.9	0.00	1.07	2.14	1	15	4	97	0.00	0.0	2.093	0.029	9	2	1	2
PL.53769	PL.53768	B	#2 ACSR	7.44Y	123.9	0.00	1.07	0.93	1	7	2	96	0.00	0.0	2.123	0.030	7	2	1	1
PL.33838	PL.33299	ABC	#3/0 ACSR	7.44Y	123.9	0.01	1.07	11.10	4	238	69	96	0.01	0.0	2.046	0.047	0	0	0	44
PL.57567	PL.33838	C	#1/0 ACSR	7.44Y	123.9	0.01	1.07	5.57	2	40	11	96	0.00	0.0	2.092	0.046	10	3	1	6
PL.57568	PL.57567	C	#1/0 ACSR	7.44Y	123.9	0.01	1.08	4.12	2	30	8	97	0.00	0.0	2.153	0.061	0	0	0	5
PL.53185	PL.57568	C	#1/0 ACSR	7.44Y	123.9	0.00	1.08	1.09	0	8	2	97	0.00	0.0	2.184	0.030	8	2	1	1
PL.53184	PL.57568	C	#1/0 ACSR	7.44Y	123.9	0.00	1.08	3.03	1	22	6	96	0.00	0.0	2.221	0.068	1	0	2	4
PL.53183	PL.53184	C	#1/0 ACSR	7.43Y	123.9	0.00	1.08	1.36	1	10	3	96	0.00	0.0	2.300	0.078	10	3	1	1
PL.53182	PL.53184	C	#1/0 ACSR	7.43Y	123.9	0.00	1.08	1.48	1	11	3	96	0.00	0.0	2.274	0.053	11	3	1	1
PL.59077	PL.33838	ABC	#2 ACSR	7.44Y	123.9	0.00	1.07	0.90	1	18	9	89	0.00	0.0	2.075	0.029	0	0	0	1
PD.8670	PL.59077	ABC	40QA	7.44Y	123.9	0.00	1.07	0.90	2	18	9	89	0.00	0.0	2.075	0.029	0	0	0	1
PL.59078	PD.8670	ABC	#2 ACSR	7.44Y	123.9	0.00	1.07	0.90	1	18	9	89	0.00	0.0	2.079	0.004	18	9	1	1
PL.55187	PL.33838	ABC	#3/0 ACSR	7.44Y	123.9	0.01	1.07	8.36	3	180	49	96	0.01	0.0	2.101	0.055	0	0	0	37
PL.55189	PL.55187	ABC	#3/0 ACSR	7.43Y	123.9	0.01	1.09	5.75	2	124	34	96	0.01	0.0	2.287	0.186	11	3	2	26
PL.55190	PL.55189	ABC	#3/0 ACSR	7.43Y	123.9	0.00	1.09	5.23	2	112	31	96	0.00	0.0	2.322	0.035	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: Bush

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.59081	PL.55190	ABC	#3/0 ACSR	7.43Y	123.9	0.00	1.09	4.66	2	100	27	97	0.00	0.0	2.360	0.037	14	4	3	23
PL.59082	PL.59081	C	#4 ACSR	7.43Y	123.9	0.00	1.09	8.61	7	62	17	96	0.00	0.0	2.363	0.003	0	0	0	15
PD.8212	PL.59082	C	50QA	7.43Y	123.9	0.00	1.09	8.61	17	62	17	96	0.00	0.0	2.363	0.003	0	0	0	15
PL.55601	PD.8212	C	#4 ACSR	7.43Y	123.9	0.03	1.13	8.61	7	62	17	96	0.02	0.0	2.459	0.097	10	3	2	15
PL.55602	PL.55601	C	#4 ACSR	7.43Y	123.9	0.02	1.14	7.28	6	52	14	97	0.01	0.0	2.513	0.053	12	3	1	13
PL.33572	PL.55602	C	#4 ACSR	7.43Y	123.8	0.01	1.15	5.61	4	40	11	96	0.00	0.0	2.555	0.043	2	1	2	12
PL.64875	PL.33572	C	#4 ACSR	7.43Y	123.8	0.01	1.16	5.30	4	38	10	97	0.00	0.0	2.616	0.060	14	4	1	10
PL.64876	PL.64875	C	#4 ACSR	7.43Y	123.8	0.00	1.16	3.34	3	24	7	96	0.00	0.0	2.616	0.000	8	2	5	9
PL.55600	PL.64876	C	#4 ACSR	7.43Y	123.8	0.00	1.17	1.15	1	8	2	97	0.00	0.0	2.691	0.076	8	2	2	2
PL.33574	PL.64876	C	#4 ACSR	7.43Y	123.8	0.00	1.16	1.00	1	7	2	96	0.00	0.0	2.677	0.061	7	2	2	2
PL.59083	PL.59081	ABC	#3/0 ACSR	7.43Y	123.9	0.00	1.09	1.13	0	24	7	96	0.00	0.0	2.415	0.056	0	0	0	5
PL.55595	PL.59083	ABC	#3/0 ACSR	7.43Y	123.9	0.00	1.09	0.29	0	6	2	95	0.00	0.0	2.466	0.051	2	0	2	3
PL.55596	PL.55595	ABC	#3/0 ACSR	7.43Y	123.9	0.00	1.09	0.21	0	5	1	98	0.00	0.0	2.561	0.094	5	1	1	1
PL.33346	PL.55596	ABC	#3/0 ACSR	7.43Y	123.9	0.00	1.09	0.00	0	0	0	100	0.00	0.0	2.604	0.044	0	0	0	0
PD.4949-A	PL.33346	ABC	Open	7.43Y	123.9	0.00	1.09	0.00	0	0	0	100	0.00	0.0	2.604	0.044	0	0	0	0
PL.55598	PL.59083	C	#4 ACSR	7.43Y	123.9	0.00	1.09	2.52	2	18	5	96	0.00	0.0	2.418	0.003	0	0	0	2
PD.8213	PL.55598	C	50QA	7.43Y	123.9	0.00	1.09	2.52	5	18	5	96	0.00	0.0	2.418	0.003	0	0	0	2
PL.55599	PD.8213	C	#4 ACSR	7.43Y	123.9	0.00	1.09	2.52	2	18	5	96	0.00	0.0	2.436	0.018	2	0	1	2
PL.62782	PL.55599	C	#1/0 ACSR	7.43Y	123.9	0.00	1.09	2.28	1	16	4	97	0.00	0.0	2.436	0.000	0	0	0	1
PL.62783	PL.62782	C	#1/0 ACSR	7.43Y	123.9	0.00	1.09	2.28	1	16	4	97	0.00	0.0	2.470	0.034	16	4	1	1
PL.55191	PL.55190	A	#4 ACSR	7.43Y	123.9	0.00	1.09	1.72	1	12	3	97	0.00	0.0	2.326	0.004	0	0	0	1
PD.8211	PL.55191	A	20T	7.43Y	123.9	0.00	1.09	1.72	0	12	3	97	0.00	0.0	2.326	0.004	0	0	0	1
PL.55597	PD.8211	A	#4 ACSR	7.43Y	123.9	0.00	1.09	1.72	1	12	3	97	0.00	0.0	2.384	0.058	12	3	1	1
PL.55188	PL.55187	B	6 A (CWC)	7.44Y	123.9	0.00	1.07	7.84	6	56	15	97	0.00	0.0	2.101	0.000	0	0	0	11
PD.4991	PL.55188	B	50QA	7.44Y	123.9	0.00	1.07	7.84	16	56	15	97	0.00	0.0	2.101	0.000	0	0	0	11
PL.33839	PD.4991	B	6 A (CWC)	7.44Y	123.9	0.01	1.08	7.84	6	56	15	97	0.00	0.0	2.118	0.016	0	0	0	11
PL.33546	PL.33839	B	#4 ACSR	7.44Y	123.9	0.00	1.08	0.54	0	4	1	97	0.00	0.0	2.154	0.037	0	0	0	1
PL.33547	PL.33546	B	#4 ACSR	7.44Y	123.9	0.00	1.08	0.54	0	4	1	97	0.00	0.0	2.177	0.023	4	1	1	1
PL.53770	PL.33839	B	6 A (CWC)	7.43Y	123.9	0.01	1.09	7.29	5	52	14	97	0.00	0.0	2.147	0.029	2	0	1	10
PL.53771	PL.53770	B	6 A (CWC)	7.43Y	123.9	0.01	1.10	7.07	5	51	14	96	0.00	0.0	2.179	0.033	0	0	0	9
PL.55588	PL.53771	B	6 A (CWC)	7.43Y	123.9	0.00	1.10	7.07	5	51	14	96	0.00	0.0	2.194	0.015	2	1	1	9

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: Bush

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.55590	PL.55588	B	6 A (CWC)	7.43Y	123.9	0.02	1.12	6.75	5	48	13	97	0.01	0.0	2.253	0.059	0	0	0	7
PL.55592	PL.55590	B	#1/0 ACSR	7.43Y	123.9	0.00	1.12	1.38	1	10	3	96	0.00	0.0	2.270	0.017	10	3	1	1
PL.55591	PL.55590	B	6 A (CWC)	7.43Y	123.9	0.02	1.14	5.36	4	38	10	97	0.00	0.0	2.337	0.085	8	2	1	6
PL.55589	PL.55591	B	6 A (CWC)	7.43Y	123.8	0.01	1.15	4.25	3	30	8	97	0.00	0.0	2.391	0.053	0	0	0	5
PL.53818	PL.55589	B	#2 ACSR	7.43Y	123.8	0.00	1.15	2.64	2	19	5	97	0.00	0.0	2.425	0.034	19	5	2	2
PL.53819	PL.53818	B	#2 ACSR	7.43Y	123.8	0.00	1.15	0.00	0	0	0	100	0.00	0.0	2.449	0.024	0	0	0	0
PL.33570	PL.55589	B	6 A (CWC)	7.43Y	123.8	0.01	1.16	1.62	1	12	3	97	0.00	0.0	2.535	0.145	0	0	0	3
PL.53804	PL.33570	B	#1/0 ACSR	7.43Y	123.8	0.00	1.16	0.84	0	6	2	95	0.00	0.0	2.575	0.040	6	2	2	2
PL.33571	PL.33570	B	6 A (CWC)	7.43Y	123.8	0.00	1.16	0.00	0	0	0	100	0.00	0.0	2.590	0.054	0	0	0	0
PL.53814	PL.33570	B	6 A (CWC)	7.43Y	123.8	0.00	1.16	0.00	0	0	0	100	0.00	0.0	2.595	0.060	0	0	0	0
PL.53815	PL.53814	B	6 A (CWC)	7.43Y	123.8	0.00	1.16	0.00	0	0	0	100	0.00	0.0	2.631	0.035	0	0	0	0
PL.53908	PL.33570	B	#2 ACSR	7.43Y	123.8	0.00	1.16	0.78	0	6	2	95	0.00	0.0	2.561	0.026	6	2	1	1
PL.55587	PL.55588	B	6 A (CWC)	7.43Y	123.9	0.00	1.10	0.01	0	0	0	100	0.00	0.0	2.237	0.043	0	0	1	1
PL.33300	PL.53179	C	#4 ACSR	7.44Y	124.0	0.00	1.01	1.08	1	8	2	97	0.00	0.0	1.739	0.001	0	0	0	2
PD.4958	PL.33300	C	50QA	7.44Y	124.0	0.00	1.01	1.08	2	8	2	97	0.00	0.0	1.739	0.001	0	0	0	2
PL.53180	PD.4958	C	#4 ACSR	7.44Y	124.0	0.00	1.02	1.08	1	8	2	97	0.00	0.0	1.819	0.080	7	2	1	2
PL.53181	PL.53180	C	#4 ACSR	7.44Y	124.0	0.00	1.02	0.07	0	0	0	100	0.00	0.0	1.879	0.059	0	0	1	1
PL.55561	PL.55184	A	6 A (CWC)	7.44Y	124.0	0.00	0.98	1.15	1	8	2	97	0.00	0.0	1.570	0.003	0	0	0	3
PD.8203	PL.55561	A	50QA	7.44Y	124.0	0.00	0.98	1.15	2	8	2	97	0.00	0.0	1.570	0.003	0	0	0	3
PL.55562	PD.8203	A	6 A (CWC)	7.44Y	124.0	0.00	0.99	1.15	1	8	2	97	0.00	0.0	1.664	0.093	0	0	0	3
PL.55563	PL.55562	A	6 A (CWC)	7.44Y	124.0	0.00	0.99	1.15	1	8	2	97	0.00	0.0	1.716	0.053	8	2	1	3
PL.53178	PL.55563	A	6 A (CWC)	7.44Y	124.0	0.00	0.99	0.01	0	0	0	100	0.00	0.0	1.747	0.031	0	0	0	2
PL.53177	PL.53178	A	6 A (CWC)	7.44Y	124.0	0.00	0.99	0.01	0	0	0	100	0.00	0.0	1.791	0.044	0	0	1	1
PL.61204	PL.53178	A	#1/0 ACSR	7.44Y	124.0	0.00	0.99	0.00	0	0	0	100	0.00	0.0	1.903	0.156	0	0	1	1
PL.55559	PL.55557	C	#4 ACSR	7.44Y	124.0	0.00	0.95	2.40	2	17	5	96	0.00	0.0	1.441	0.005	0	0	0	5
PD.8202	PL.55559	C	50QA	7.44Y	124.0	0.00	0.95	2.40	5	17	5	96	0.00	0.0	1.441	0.005	0	0	0	5
PL.55560	PD.8202	C	#4 ACSR	7.44Y	124.0	0.01	0.96	2.40	2	17	5	96	0.00	0.0	1.508	0.067	9	3	3	5
PL.55558	PL.55560	C	#4 ACSR	7.44Y	124.0	0.00	0.96	1.11	1	8	2	97	0.00	0.0	1.561	0.053	8	2	2	2
PL.55551	PL.55550	C	#4 ACSR	7.44Y	124.1	0.00	0.93	1.88	1	13	4	96	0.00	0.0	1.326	0.003	0	0	0	1
PD.8200	PL.55551	C	50QA	7.44Y	124.1	0.00	0.93	1.88	4	13	4	96	0.00	0.0	1.326	0.003	0	0	0	1
PL.55549	PD.8200	C	#4 ACSR	7.44Y	124.1	0.00	0.93	1.88	1	13	4	96	0.00	0.0	1.377	0.052	13	4	1	1

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

Balanced Voltage Drop Report
Source: Bush

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PL.33635	PL.63856	B	6 A (CWC)	7.45Y	124.1	0.00	0.86	0.67	0	5	1	98	0.00	0.0	1.255	0.172	5	1	2	2	
PL.63857	PL.63858	ABC	#3/0 ACSR	7.45Y	124.2	0.04	0.84	85.14	28	1829	526	96	0.41	0.0	0.951	0.034	0	0	0	279	
PL.63851	PL.63857	ABC	#3/0 ACSR	7.43Y	123.9	0.28	1.13	85.14	28	1829	526	96	3.21	0.2	1.215	0.264	3	1	1	279	
PL.34315	PL.63851	ABC	#3/0 ACSR	7.43Y	123.8	0.05	1.17	85.01	28	1823	520	96	0.51	0.0	1.257	0.042	2	1	1	278	
PL.34319	PL.34315	ABC	#3/0 ACSR	7.42Y	123.7	0.13	1.30	84.89	28	1820	519	96	1.44	0.1	1.375	0.119	0	0	0	277	
PL.34316	PL.34319	ABC	#3/0 ACSR	7.42Y	123.6	0.06	1.36	83.64	28	1791	509	96	0.70	0.0	1.435	0.060	0	0	0	269	
PL.34317	PL.34316	ABC	#3/0 ACSR	7.41Y	123.5	0.13	1.49	83.64	28	1791	508	96	1.42	0.1	1.556	0.121	0	0	0	269	
PL.34318	PL.34317	ABC	#3/0 ACSR	7.41Y	123.5	0.06	1.55	83.39	28	1784	505	96	0.64	0.0	1.611	0.055	0	0	0	268	
PL.33324	PL.34318	C	#4 ACSR	7.41Y	123.5	0.00	1.55	1.29	1	9	3	95	0.00	0.0	1.611	0.001	0	0	0	2	
PD.4959	PL.33324	C	75QA	7.41Y	123.5	0.00	1.55	1.29	2	9	3	95	0.00	0.0	1.611	0.001	0	0	0	2	
PL.53174	PD.4959	C	#4 ACSR	7.41Y	123.4	0.00	1.55	1.29	1	9	3	95	0.00	0.0	1.684	0.073	0	0	0	2	
PL.53175	PL.53174	C	#4 ACSR	7.41Y	123.4	0.00	1.55	1.29	1	9	3	95	0.00	0.0	1.720	0.036	9	3	2	2	
PL.33815	PL.34318	ABC	#3/0 ACSR	7.40Y	123.4	0.08	1.63	82.96	28	1774	501	96	0.83	0.0	1.683	0.072	0	0	0	266	
PL.33325	PL.33815	ABC	#3/0 ACSR	7.40Y	123.4	0.00	1.63	82.96	28	1773	500	96	0.01	0.0	1.684	0.001	0	0	0	266	
C PD.4943	PL.33325	ABC	70L	7.40Y	123.4	0.00	1.63	82.96	119	1773	500	96	0.00	0.0	1.684	0.001	0	0	0	266	C
PL.61192	PD.4943	ABC	#3/0 ACSR	7.40Y	123.3	0.05	1.68	82.96	28	1773	500	96	0.59	0.0	1.735	0.051	0	0	0	266	
PL.61193	PL.61192	ABC	#3/0 ACSR	7.39Y	123.2	0.15	1.83	82.85	28	1770	499	96	1.64	0.1	1.877	0.143	0	0	0	265	
C RG.37	PL.61193	ABC	76.2 KVA	7.48Y	124.7	-1.56	0.27	82.85	83	1768	496	96	percent Boost= 1.25 Tap= 2.0							265	C
PL.33451	RG.37	ABC	#3/0 ACSR	7.48Y	124.7	0.00	0.27	81.81	27	1768	496	96	0.00	0.0	1.877	0.000	0	0	0	265	
PL.59100	PL.33451	ABC	#3/0 ACSR	7.48Y	124.6	0.14	0.41	81.81	27	1768	496	96	1.51	0.1	2.013	0.136	31	8	3	265	
PL.59101	PL.59100	ABC	#3/0 ACSR	7.47Y	124.6	0.03	0.44	63.04	21	1361	381	96	0.24	0.0	2.050	0.037	14	4	1	205	
PL.33446	PL.59101	ABC	#3/0 ACSR	7.47Y	124.5	0.03	0.47	62.41	21	1348	377	96	0.28	0.0	2.093	0.043	0	0	0	204	
PL.33326	PL.33446	ABC	#3/0 ACSR	7.47Y	124.5	0.00	0.47	62.41	21	1347	377	96	0.02	0.0	2.096	0.003	0	0	0	204	
PL.33327	PL.33326	ABC	#3/0 ACSR	7.47Y	124.5	0.01	0.48	62.41	21	1347	377	96	0.05	0.0	2.104	0.008	1	0	1	204	
PL.33328	PL.33327	ABC	#3/0 ACSR	7.47Y	124.5	0.06	0.55	62.38	21	1346	377	96	0.54	0.0	2.186	0.082	0	0	0	203	
PL.34334	PL.33328	B	6 A (CWC)	7.47Y	124.5	0.00	0.55	10.07	7	73	20	96	0.00	0.0	2.189	0.003	0	0	0	11	
PD.4945	PL.34334	B	50L	7.47Y	124.5	0.00	0.55	10.07	20	73	20	96	0.00	0.0	2.189	0.003	0	0	0	11	
PL.34335	PD.4945	B	6 A (CWC)	7.47Y	124.4	0.01	0.56	10.07	7	73	20	96	0.01	0.0	2.216	0.027	9	2	1	11	
PL.33151	PL.34335	B	6 A (CWC)	7.47Y	124.4	0.00	0.56	8.81	6	63	17	97	0.00	0.0	2.228	0.012	0	0	0	10	
PD.4950-A	PL.33151	B	Closed	7.47Y	124.4	0.00	0.56	8.81	0	63	17	97	0.00	0.0	2.228	0.012	0	0	0	10	
PD.4950-B	PD.4950-A	B	Closed	7.47Y	124.4	0.00	0.56	8.81	0	63	17	97	0.00	0.0	2.228	0.012	0	0	0	10	

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Balanced Voltage Drop Report
Source: Bush

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.34173	PD.4950-B	B	6 A (CWC)	7.45Y	124.2	0.21	0.78	8.81	6	63	17	97	0.10	0.2	2.754	0.526	0	0	0	10
PL.34033	PL.34173	B	6 A (CWC)	7.45Y	124.2	0.05	0.83	8.34	6	60	16	97	0.02	0.0	2.895	0.141	0	0	0	9
PL.34034	PL.34033	B	#4 ACSR	7.45Y	124.2	0.00	0.83	0.01	0	0	0	100	0.00	0.0	3.108	0.213	0	0	0	1
PL.33332	PL.34034	B	#4 ACSR	7.45Y	124.2	0.00	0.83	0.01	0	0	0	100	0.00	0.0	3.198	0.090	0	0	1	1
PL.34032	PL.34033	B	6 A (CWC)	7.45Y	124.1	0.08	0.91	8.33	6	60	16	97	0.04	0.1	3.114	0.219	0	0	0	8
PL.55544	PL.34032	B	6 A (CWC)	7.44Y	124.1	0.01	0.93	5.19	4	37	10	97	0.00	0.0	3.175	0.062	0	0	0	4
PL.55543	PL.55544	B	6 A (CWC)	7.44Y	124.1	0.01	0.93	5.19	4	37	10	97	0.00	0.0	3.210	0.034	0	0	0	4
PL.33428	PL.55543	B	6 A (CWC)	7.44Y	124.1	0.00	0.94	1.09	1	8	2	97	0.00	0.0	3.242	0.032	8	2	1	1
PL.64435	PL.55543	B	6 A (CWC)	7.44Y	124.0	0.02	0.96	4.10	3	29	8	96	0.01	0.0	3.341	0.132	0	0	0	3
PL.64436	PL.64435	B	6 A (CWC)	7.44Y	124.0	0.00	0.96	1.05	1	8	2	97	0.00	0.0	3.367	0.025	8	2	1	1
PL.64437	PL.64435	B	#1/0 ACSR	7.44Y	124.0	0.00	0.96	3.05	1	22	6	96	0.00	0.0	3.410	0.068	0	0	0	2
PL.64438	PL.64437	B	#1/0 ACSR	7.44Y	124.0	0.00	0.97	1.43	1	10	3	96	0.00	0.0	3.467	0.057	10	3	1	1
PL.64439	PL.64437	B	#1/0 ACSR	7.44Y	124.0	0.00	0.97	1.62	1	12	3	97	0.00	0.0	3.509	0.099	12	3	1	1
PL.33516	PL.34032	B	6 A (CWC)	7.44Y	124.1	0.01	0.92	3.15	2	23	6	97	0.00	0.0	3.198	0.084	14	4	2	4
PL.33184	PL.33516	B	#4 ACSR	7.44Y	124.1	0.00	0.92	1.24	1	9	2	98	0.00	0.0	3.238	0.040	9	2	1	2
PL.33185	PL.33184	B	#4 ACSR	7.44Y	124.1	0.00	0.92	0.02	0	0	0	100	0.00	0.0	3.285	0.047	0	0	1	1
PL.33417	PL.33516	B	6 A (CWC)	7.44Y	124.1	0.00	0.92	0.00	0	0	0	100	0.00	0.0	3.206	0.008	0	0	0	0
PD.4952-A	PL.33417	B	Open	7.44Y	124.1	0.00	0.92	0.00	0	0	0	100	0.00	0.0	3.206	0.008	0	0	0	0
PL.34174	PL.34173	B	6 A (CWC)	7.45Y	124.2	0.00	0.78	0.47	0	3	1	95	0.00	0.0	2.859	0.104	3	1	1	1
PL.33861	PL.34174	B	6 A (CWC)	7.45Y	124.2	0.00	0.78	0.00	0	0	0	100	0.00	0.0	3.071	0.212	0	0	0	0
PL.34336	PL.33328	ABC	#3/0 ACSR	7.46Y	124.4	0.07	0.62	59.02	20	1273	356	96	0.56	0.0	2.282	0.096	0	0	0	192
PL.53422	PL.34336	ABC	#3/0 ACSR	7.46Y	124.3	0.07	0.69	58.51	20	1262	352	96	0.57	0.0	2.381	0.100	4	1	1	191
PL.53423	PL.53422	ABC	#3/0 ACSR	7.46Y	124.3	0.05	0.74	58.30	19	1257	350	96	0.42	0.0	2.455	0.074	5	1	1	190
PL.33560	PL.53423	ABC	#3/0 ACSR	7.45Y	124.2	0.07	0.82	58.09	19	1252	348	96	0.57	0.0	2.557	0.101	8	2	1	189
PL.33142	PL.33560	A	6 A (CWC)	7.45Y	124.2	0.00	0.82	0.95	1	7	2	96	0.00	0.0	2.557	0.001	0	0	0	2
PD.4968	PL.33142	A	50QA	7.45Y	124.2	0.00	0.82	0.95	2	7	2	96	0.00	0.0	2.557	0.001	0	0	0	2
PL.53420	PD.4968	A	6 A (CWC)	7.45Y	124.2	0.00	0.82	0.95	1	7	2	96	0.00	0.0	2.639	0.081	7	2	1	2
PL.53421	PL.53420	A	#2 ACSR	7.45Y	124.2	0.00	0.82	0.03	0	0	0	100	0.00	0.0	2.721	0.082	0	0	1	1
PL.33157	PL.33560	ABC	#3/0 ACSR	7.45Y	124.1	0.04	0.85	57.42	19	1237	344	96	0.27	0.0	2.606	0.049	0	0	0	186
PL.33561	PL.33157	ABC	#3/0 ACSR	7.44Y	124.1	0.09	0.95	57.42	19	1236	343	96	0.69	0.1	2.731	0.126	3	1	1	185
PL.53530	PL.33561	ABC	#3/0 ACSR	7.44Y	124.0	0.07	1.01	57.28	19	1233	341	96	0.51	0.0	2.824	0.093	7	2	2	184

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Balanced Voltage Drop Report
Source: Bush

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.53531	PL.53530	ABC	#3/0 ACSR	7.43Y	123.9	0.07	1.09	56.96	19	1225	339	96	0.57	0.0	2.929	0.104	1	0	1	182
PL.33562	PL.53531	ABC	#3/0 ACSR	7.43Y	123.9	0.04	1.13	56.89	19	1223	337	96	0.33	0.0	2.990	0.061	0	0	0	181
PL.33563	PL.33562	C	#4 ACSR	7.43Y	123.9	0.00	1.13	0.09	0	1	0	100	0.00	0.0	2.993	0.003	0	0	0	2
PD.5005	PL.33563	C	50QA	7.43Y	123.9	0.00	1.13	0.09	0	1	0	100	0.00	0.0	2.993	0.003	0	0	0	2
PL.33564	PD.5005	C	#4 ACSR	7.43Y	123.9	0.00	1.13	0.09	0	1	0	100	0.00	0.0	3.211	0.219	1	0	2	2
PL.33166	PL.33562	ABC	#4 ACSR	7.43Y	123.8	0.03	1.16	20.95	16	450	123	96	0.12	0.0	3.031	0.041	0	0	0	63
PL.33645	PL.33166	ABC	#4 ACSR	7.43Y	123.8	0.00	1.16	20.95	16	450	123	96	0.00	0.0	3.031	0.000	0	0	0	63
PD.4946	PL.33645	ABC	35L	7.43Y	123.8	0.00	1.16	20.95	60	450	123	96	0.00	0.0	3.031	0.000	0	0	0	63
PL.33565	PD.4946	ABC	#4 ACSR	7.43Y	123.8	0.06	1.22	20.95	16	450	123	96	0.21	0.0	3.105	0.074	0	0	0	63
PL.33566	PL.33565	ABC	#4 ACSR	7.42Y	123.7	0.05	1.27	20.95	16	450	123	96	0.18	0.0	3.169	0.064	0	0	0	63
PL.33567	PL.33566	ABC	#4 ACSR	7.42Y	123.7	0.05	1.33	20.53	16	441	121	96	0.18	0.0	3.237	0.068	9	3	1	61
PL.33433	PL.33567	A	6 A (CWC)	7.42Y	123.7	0.00	1.33	7.13	5	51	14	96	0.00	0.0	3.242	0.005	0	0	0	5
PD.4961	PL.33433	A	40QA	7.42Y	123.7	0.00	1.33	7.13	18	51	14	96	0.00	0.0	3.242	0.005	0	0	0	5
PL.33646	PD.4961	A	6 A (CWC)	7.42Y	123.6	0.03	1.36	7.13	5	51	14	96	0.01	0.0	3.336	0.095	0	0	0	5
PL.62740	PL.33646	A	#4/0 ACSR	7.42Y	123.6	0.00	1.36	2.04	1	15	4	97	0.00	0.0	3.370	0.034	8	2	1	2
PL.62741	PL.62740	A	#4/0 ACSR	7.42Y	123.6	0.00	1.36	0.88	0	6	2	95	0.00	0.0	3.424	0.054	6	2	1	1
PL.33884	PL.33646	A	6 A (CWC)	7.42Y	123.6	0.01	1.37	5.09	4	36	10	96	0.00	0.0	3.410	0.074	14	4	1	3
PL.61222	PL.33884	A	6 A (CWC)	7.42Y	123.6	0.01	1.38	3.11	2	22	6	96	0.00	0.0	3.483	0.073	12	3	1	2
PL.61223	PL.61222	A	6 A (CWC)	7.42Y	123.6	0.00	1.38	1.50	1	11	3	96	0.00	0.0	3.507	0.023	11	3	1	1
PL.53583	PL.33567	ABC	#4 ACSR	7.40Y	123.4	0.28	1.61	17.72	14	380	104	96	0.85	0.2	3.657	0.420	0	0	0	55
PL.53584	PL.53583	ABC	#4 ACSR	7.40Y	123.3	0.11	1.72	17.26	13	370	101	96	0.32	0.1	3.823	0.166	0	0	0	54
PL.55574	PL.53584	B	#4 ACSR	7.40Y	123.3	0.00	1.72	2.63	2	19	5	97	0.00	0.0	3.826	0.003	0	0	0	3
PD.8207	PL.55574	B	40QA	7.40Y	123.3	0.00	1.72	2.63	7	19	5	97	0.00	0.0	3.826	0.003	0	0	0	3
PL.55575	PD.8207	B	#4 ACSR	7.40Y	123.3	0.00	1.72	2.63	2	19	5	97	0.00	0.0	3.842	0.016	1	0	1	3
PL.55573	PL.55575	B	#4 ACSR	7.40Y	123.3	0.03	1.75	2.50	2	18	5	96	0.00	0.0	4.117	0.275	0	0	0	2
PL.53580	PL.55573	B	#4 ACSR	7.40Y	123.3	0.00	1.75	0.86	1	6	2	95	0.00	0.0	4.150	0.033	6	2	1	1
PL.55576	PL.55573	B	#4 ACSR	7.39Y	123.2	0.01	1.76	1.64	1	12	3	97	0.00	0.0	4.284	0.167	0	0	0	1
PL.55577	PL.55576	B	#4 ACSR	7.39Y	123.2	0.00	1.77	1.64	1	12	3	97	0.00	0.0	4.417	0.132	12	3	1	1
PL.55570	PL.53584	ABC	#4 ACSR	7.40Y	123.3	0.02	1.74	16.39	13	351	96	96	0.06	0.0	3.859	0.036	1	0	1	51
PL.55571	PL.55570	B	#4 ACSR	7.40Y	123.3	0.00	1.74	3.46	3	25	7	96	0.00	0.0	3.862	0.003	0	0	0	2
PD.8206	PL.55571	B	40QA	7.40Y	123.3	0.00	1.74	3.46	9	25	7	96	0.00	0.0	3.862	0.003	0	0	0	2

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Balanced Voltage Drop Report
Source: Bush

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.55568	PD.8206	B	#4 ACSR	7.40Y	123.3	0.00	1.74	3.46	3	25	7	96	0.00	0.0	3.902	0.040	16	4	1	2
PL.55569	PL.55568	B	#4 ACSR	7.40Y	123.3	0.00	1.75	1.18	1	8	2	97	0.00	0.0	3.974	0.071	8	2	1	1
PL.55572	PL.55570	ABC	#4 ACSR	7.39Y	123.2	0.07	1.81	15.20	12	325	89	96	0.18	0.1	3.980	0.121	0	0	0	48
PL.62517	PL.55572	C	#1/0 ACSR	7.39Y	123.2	0.00	1.81	1.16	1	8	2	97	0.00	0.0	3.984	0.003	0	0	0	2
PD.9374	PL.62517	C	25T	7.39Y	123.2	0.00	1.81	1.16	0	8	2	97	0.00	0.0	3.984	0.003	0	0	0	2
PL.62518	PD.9374	C	#1/0 ACSR	7.39Y	123.2	0.00	1.81	1.16	1	8	2	97	0.00	0.0	4.072	0.089	0	0	1	2
PL.57863	PL.62518	C	#1/0 ACSR	7.39Y	123.2	0.00	1.81	1.16	1	8	2	97	0.00	0.0	4.117	0.044	8	2	1	1
PL.53581	PL.55572	ABC	#4 ACSR	7.39Y	123.1	0.04	1.85	14.82	11	317	87	96	0.11	0.0	4.058	0.077	0	0	0	46
PL.33434	PL.53581	ABC	#4 ACSR	7.38Y	123.1	0.07	1.92	14.72	11	315	86	96	0.17	0.1	4.179	0.122	0	0	0	45
PL.55253	PL.33434	B	#4 ACSR	7.38Y	123.1	0.00	1.92	0.84	1	6	2	95	0.00	0.0	4.183	0.004	0	0	0	2
PD.8181	PL.55253	B	40QA	7.38Y	123.1	0.00	1.92	0.84	2	6	2	95	0.00	0.0	4.183	0.004	0	0	0	2
PL.55254	PD.8181	B	#4 ACSR	7.38Y	123.1	0.00	1.92	0.84	1	6	2	95	0.00	0.0	4.234	0.051	6	2	2	2
PL.55256	PL.33434	ABC	#4 ACSR	7.38Y	123.0	0.03	1.95	14.43	11	308	84	96	0.08	0.0	4.236	0.057	0	0	0	43
PL.55257	PL.55256	C	#1/0 ACSR	7.38Y	123.0	0.00	1.95	0.43	0	3	1	95	0.00	0.0	4.241	0.004	0	0	0	1
PD.8182	PL.55257	C	20QA	7.38Y	123.0	0.00	1.95	0.43	2	3	1	95	0.00	0.0	4.241	0.004	0	0	0	1
PL.55258	PD.8182	C	#1/0 ACSR	7.38Y	123.0	0.00	1.95	0.43	0	3	1	95	0.00	0.0	4.263	0.022	3	1	1	1
PL.55255	PL.55256	ABC	#4 ACSR	7.38Y	123.0	0.05	2.00	14.29	11	305	84	96	0.12	0.0	4.330	0.094	0	0	0	42
PL.55260	PL.55255	B	#4 ACSR	7.38Y	123.0	0.00	2.00	1.22	1	9	2	98	0.00	0.0	4.334	0.004	0	0	0	2
PD.8183	PL.55260	B	20T	7.38Y	123.0	0.00	2.00	1.22	0	9	2	98	0.00	0.0	4.334	0.004	0	0	0	2
PL.55261	PD.8183	B	#4 ACSR	7.38Y	123.0	0.00	2.00	1.22	1	9	2	98	0.00	0.0	4.361	0.027	6	2	1	2
PL.55259	PL.55261	B	#4 ACSR	7.38Y	123.0	0.00	2.00	0.00	0	0	0	100	0.00	0.0	4.394	0.033	0	0	0	0
PL.55262	PL.55261	B	#4 ACSR	7.38Y	123.0	0.00	2.00	0.33	0	2	1	89	0.00	0.0	4.535	0.174	2	1	1	1
PL.64337	PL.55255	ABC	#4 ACSR	7.37Y	122.9	0.09	2.10	13.89	11	297	81	96	0.22	0.1	4.509	0.179	6	2	1	40
PL.64338	PL.64337	ABC	#4 ACSR	7.37Y	122.9	0.00	2.10	13.60	10	290	79	96	0.00	0.0	4.509	0.000	0	0	0	39
PL.64336	PL.64338	ABC	#4 ACSR	7.37Y	122.8	0.13	2.23	13.60	10	290	79	96	0.31	0.1	4.767	0.258	0	0	0	39
PL.33141	PL.64336	ABC	#4 ACSR	7.36Y	122.6	0.15	2.38	13.60	10	290	79	96	0.35	0.1	5.065	0.297	0	0	0	39
PL.55274	PL.33141	A	#4 ACSR	7.36Y	122.6	0.00	2.38	1.35	1	10	3	96	0.00	0.0	5.068	0.004	0	0	0	1
PD.8186	PL.55274	A	40QA	7.36Y	122.6	0.00	2.38	1.35	3	10	3	96	0.00	0.0	5.068	0.004	0	0	0	1
PL.55275	PD.8186	A	#4 ACSR	7.36Y	122.6	0.00	2.38	1.35	1	10	3	96	0.00	0.0	5.101	0.033	10	3	1	1
PL.55278	PL.33141	B	6 A (CWC)	7.36Y	122.6	0.00	2.39	29.51	21	209	57	96	0.01	0.0	5.068	0.003	0	0	0	26
PD.8187	PL.55278	B	40QA	7.36Y	122.6	0.00	2.39	29.51	74	209	57	96	0.00	0.0	5.068	0.003	0	0	0	26

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Balanced Voltage Drop Report
Source: Bush

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.55276	PD.8187	B	6 A (CWC)	7.35Y	122.6	0.04	2.43	29.51	21	209	57	96	0.06	0.0	5.099	0.031	6	2	1	26
PL.55277	PL.55276	B	6 A (CWC)	7.35Y	122.5	0.04	2.47	28.68	20	203	56	96	0.07	0.0	5.133	0.034	0	0	0	25
PL.33450	PL.55277	B	6 A (CWC)	7.35Y	122.5	0.00	2.47	1.29	1	9	2	98	0.00	0.0	5.167	0.035	9	2	1	1
PL.33542	PL.55277	B	6 A (CWC)	7.35Y	122.5	0.06	2.53	27.39	20	194	53	96	0.08	0.0	5.181	0.048	15	4	1	24
PL.55141	PL.33542	B	6 A (CWC)	7.35Y	122.4	0.04	2.57	12.23	9	87	24	96	0.02	0.0	5.253	0.073	7	2	1	14
PL.62760	PL.55141	B	6 A (CWC)	7.35Y	122.4	0.01	2.58	8.78	6	62	17	96	0.01	0.0	5.291	0.038	8	2	1	11
PL.62761	PL.62760	B	6 A (CWC)	7.34Y	122.4	0.04	2.63	7.70	6	55	15	96	0.02	0.0	5.418	0.127	0	0	0	10
PL.55145	PL.62761	B	#1/0 ACSR	7.34Y	122.4	0.00	2.63	2.66	1	19	5	97	0.00	0.0	5.463	0.045	0	0	0	3
PL.55146	PL.55145	B	#1/0 ACSR	7.34Y	122.4	0.00	2.63	0.95	0	7	2	96	0.00	0.0	5.498	0.035	7	2	1	1
PL.55147	PL.55145	B	#1/0 ACSR	7.34Y	122.4	0.00	2.63	1.71	1	12	3	97	0.00	0.0	5.480	0.017	12	3	2	2
PL.55144	PL.62761	B	6 A (CWC)	7.34Y	122.4	0.02	2.64	5.05	4	36	10	96	0.00	0.0	5.503	0.084	12	3	2	7
PL.55288	PL.55144	B	6 A (CWC)	7.34Y	122.3	0.02	2.66	3.37	2	24	7	96	0.00	0.0	5.624	0.121	3	1	1	5
PL.55289	PL.55288	B	6 A (CWC)	7.34Y	122.3	0.01	2.68	3.01	2	21	6	96	0.00	0.0	5.748	0.124	8	2	2	4
PL.55291	PL.55289	B	6 A (CWC)	7.34Y	122.3	0.00	2.68	1.46	1	10	3	96	0.00	0.0	5.879	0.131	10	3	1	1
PL.55290	PL.55289	B	#1/0 ACSR	7.34Y	122.3	0.00	2.68	0.47	0	3	1	95	0.00	0.0	5.823	0.075	3	1	1	1
PL.55287	PL.55288	B	6 A (CWC)	7.34Y	122.3	0.00	2.66	0.00	0	0	0	100	0.00	0.0	5.819	0.195	0	0	0	0
PL.55142	PL.55141	B	6 A (CWC)	7.35Y	122.4	0.00	2.57	2.43	2	17	5	96	0.00	0.0	5.308	0.055	7	2	1	2
PL.55143	PL.55142	B	6 A (CWC)	7.35Y	122.4	0.00	2.58	1.41	1	10	3	96	0.00	0.0	5.398	0.090	10	3	1	1
PL.55279	PL.33542	B	6 A (CWC)	7.35Y	122.4	0.03	2.56	13.11	9	93	25	97	0.02	0.0	5.241	0.060	14	4	2	9
PL.55280	PL.55279	B	6 A (CWC)	7.34Y	122.4	0.03	2.60	11.16	8	79	22	96	0.02	0.0	5.308	0.067	0	0	0	7
PL.55282	PL.55280	B	6 A (CWC)	7.34Y	122.4	0.02	2.62	11.16	8	79	22	96	0.01	0.0	5.352	0.044	15	4	1	7
PL.55281	PL.55282	B	#1/0 ACSR	7.34Y	122.4	0.00	2.62	0.85	0	6	2	95	0.00	0.0	5.416	0.064	6	2	1	1
PL.55283	PL.55282	B	6 A (CWC)	7.34Y	122.3	0.04	2.66	8.25	6	58	16	96	0.02	0.0	5.468	0.116	0	0	0	5
PL.55284	PL.55283	B	6 A (CWC)	7.34Y	122.3	0.03	2.69	8.25	6	58	16	96	0.01	0.0	5.535	0.068	0	0	0	5
PL.55286	PL.55284	B	6 A (CWC)	7.34Y	122.3	0.01	2.70	6.57	5	47	13	96	0.00	0.0	5.571	0.035	13	4	1	4
PL.64587	PL.55286	B	6 A (CWC)	7.34Y	122.3	0.01	2.71	4.72	3	33	9	96	0.00	0.0	5.638	0.067	5	1	1	3
PL.64588	PL.64587	B	6 A (CWC)	7.34Y	122.3	0.01	2.72	4.02	3	28	8	96	0.00	0.0	5.726	0.088	8	2	1	2
PL.63965	PL.64588	B	#1/0 ACSR	7.34Y	122.3	0.00	2.73	2.96	1	21	6	96	0.00	0.0	5.791	0.066	21	6	1	1
PL.55285	PL.55284	B	#2 ACSR	7.34Y	122.3	0.00	2.69	1.68	1	12	3	97	0.00	0.0	5.563	0.028	12	3	1	1
PL.34386	PL.33141	ABC	#4 ACSR	7.36Y	122.6	0.02	2.40	3.32	3	71	19	97	0.01	0.0	5.222	0.158	0	0	0	12
PL.33186	PL.34386	ABC	#4 ACSR	7.36Y	122.6	0.01	2.41	2.88	2	61	17	96	0.00	0.0	5.281	0.059	0	0	1	11

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Balanced Voltage Drop Report
Source: Bush

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.34387	PL.33186	ABC	#4 ACSR	7.35Y	122.6	0.02	2.43	2.87	2	61	17	96	0.01	0.0	5.477	0.196	0	0	0	10
PL.64855	PL.34387	ABC	#4 ACSR	7.35Y	122.6	0.01	2.44	1.93	1	41	11	97	0.00	0.0	5.560	0.082	0	0	0	7
PL.64857	PL.64855	B	6 A (CWC)	7.35Y	122.6	0.00	2.44	0.00	0	0	0	100	0.00	0.0	5.562	0.003	0	0	0	0
PD.4988	PL.64857	B	40QA	7.35Y	122.6	0.00	2.44	0.00	0	0	0	100	0.00	0.0	5.562	0.003	0	0	0	0
PL.55269	PD.4988	B	6 A (CWC)	7.35Y	122.6	0.00	2.44	0.00	0	0	0	100	0.00	0.0	5.618	0.056	0	0	0	0
PL.64856	PL.64855	ABC	#4 ACSR	7.35Y	122.6	0.01	2.44	1.93	1	41	11	97	0.00	0.0	5.688	0.128	0	0	0	7
PL.45005	PL.64856	ABC	#4 ACSR	7.35Y	122.6	0.00	2.44	0.00	0	0	0	100	0.00	0.0	5.753	0.065	0	0	0	0
PL.45147	PL.45005	ABC	#4 ACSR	7.35Y	122.6	0.00	2.44	0.00	0	0	0	100	0.00	0.0	5.825	0.072	0	0	0	0
PL.45004	PL.45147	ABC	#4 ACSR	7.35Y	122.6	0.00	2.44	0.00	0	0	0	100	0.00	0.0	5.894	0.070	0	0	0	0
PL.45003	PL.45004	ABC	#4 ACSR	7.35Y	122.6	0.00	2.44	0.00	0	0	0	100	0.00	0.0	5.925	0.031	0	0	0	0
PL.45002	PL.45003	ABC	#4 ACSR	7.35Y	122.6	0.00	2.44	0.00	0	0	0	100	0.00	0.0	5.962	0.037	0	0	0	0
PL.44954	PL.45002	ABC	#4 ACSR	7.35Y	122.6	0.00	2.44	0.00	0	0	0	100	0.00	0.0	5.996	0.034	0	0	0	0
PD.4953-B	PL.44954	ABC	Open	7.35Y	122.6	0.00	2.44	0.00	0	0	0	100	0.00	0.0	5.996	0.034	0	0	0	0
PL.55266	PL.64856	B	6 A (CWC)	7.35Y	122.6	0.00	2.45	3.13	2	22	6	96	0.00	0.0	5.691	0.003	0	0	0	2
PD.8184	PL.55266	B	40QA	7.35Y	122.6	0.00	2.45	3.13	8	22	6	96	0.00	0.0	5.691	0.003	0	0	0	2
PL.55268	PD.8184	B	6 A (CWC)	7.35Y	122.6	0.00	2.45	3.13	2	22	6	96	0.00	0.0	5.726	0.035	12	3	1	2
PL.55267	PL.55268	B	6 A (CWC)	7.35Y	122.5	0.01	2.45	1.39	1	10	3	96	0.00	0.0	5.887	0.161	10	3	1	1
PL.34389	PL.64856	B	6 A (CWC)	7.35Y	122.5	0.01	2.45	2.66	2	19	5	97	0.00	0.0	5.737	0.049	4	1	1	5
PL.34390	PL.34389	B	6 A (CWC)	7.35Y	122.5	0.00	2.45	0.70	1	5	1	98	0.00	0.0	5.817	0.081	0	0	0	1
PL.55265	PL.34390	B	6 A (CWC)	7.35Y	122.5	0.00	2.45	0.70	1	5	1	98	0.00	0.0	5.890	0.072	5	1	1	1
PL.33536	PL.34389	B	#4 ACSR	7.35Y	122.5	0.00	2.45	1.33	1	9	3	95	0.00	0.0	5.786	0.049	9	3	3	3
PL.34388	PL.34387	B	6 A (CWC)	7.35Y	122.6	0.00	2.43	2.82	2	20	5	97	0.00	0.0	5.482	0.004	0	0	0	3
PD.4963	PL.34388	B	40QA	7.35Y	122.6	0.00	2.43	2.82	7	20	5	97	0.00	0.0	5.482	0.004	0	0	0	3
PL.55270	PD.4963	B	6 A (CWC)	7.35Y	122.6	0.00	2.43	2.82	2	20	5	97	0.00	0.0	5.511	0.030	12	3	1	3
PL.55271	PL.55270	B	6 A (CWC)	7.35Y	122.6	0.00	2.43	1.09	1	8	2	97	0.00	0.0	5.572	0.061	8	2	2	2
PL.55272	PL.34386	B	6 A (CWC)	7.36Y	122.6	0.00	2.40	1.33	1	9	3	95	0.00	0.0	5.226	0.004	0	0	0	1
PD.8185	PL.55272	B	40QA	7.36Y	122.6	0.00	2.40	1.33	3	9	3	95	0.00	0.0	5.226	0.004	0	0	0	1
PL.55273	PD.8185	B	6 A (CWC)	7.36Y	122.6	0.00	2.40	1.33	1	9	3	95	0.00	0.0	5.271	0.045	9	3	1	1
PL.33468	PL.64336	B	6 A (CWC)	7.37Y	122.8	0.00	2.23	0.00	0	0	0	100	0.00	0.0	4.819	0.051	0	0	0	0
PD.4952-B	PL.33468	B	Open	7.37Y	122.8	0.00	2.23	0.00	0	0	0	100	0.00	0.0	4.819	0.051	0	0	0	0
PL.33435	PL.53581	B	#4 ACSR	7.39Y	123.1	0.00	1.85	0.30	0	2	1	89	0.00	0.0	4.059	0.001	0	0	0	1

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Balanced Voltage Drop Report
Source: Bush

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.4962	PL.33435	B	40QA	7.39Y	123.1	0.00	1.85	0.30	1	2	1	89	0.00	0.0	4.059	0.001	0	0	0	1
PL.33333	PD.4962	B	#4 ACSR	7.39Y	123.1	0.00	1.85	0.30	0	2	1	89	0.00	0.0	4.123	0.064	2	1	1	1
PL.53585	PL.53583	C	#1/0 ACSR	7.40Y	123.4	0.00	1.61	1.37	1	10	3	96	0.00	0.0	3.660	0.003	0	0	0	1
PD.7910	PL.53585	C	20QA	7.40Y	123.4	0.00	1.61	1.37	7	10	3	96	0.00	0.0	3.660	0.003	0	0	0	1
PL.53586	PD.7910	C	#1/0 ACSR	7.40Y	123.4	0.00	1.61	1.37	1	10	3	96	0.00	0.0	3.677	0.017	10	3	1	1
PL.33568	PL.33566	A	#4 ACSR	7.42Y	123.7	0.00	1.27	1.25	1	9	2	98	0.00	0.0	3.170	0.001	0	0	0	2
PD.4960	PL.33568	A	40QA	7.42Y	123.7	0.00	1.27	1.25	3	9	2	98	0.00	0.0	3.170	0.001	0	0	0	2
PL.33569	PD.4960	A	#4 ACSR	7.42Y	123.7	0.00	1.27	1.25	1	9	2	98	0.00	0.0	3.202	0.033	9	2	2	2
PL.33500	PL.33562	ABC	#3/0 ACSR	7.43Y	123.8	0.07	1.20	35.91	12	772	213	96	0.33	0.0	3.144	0.154	3	1	1	116
PL.33181	PL.33500	ABC	#3/0 ACSR	7.43Y	123.8	0.02	1.22	35.78	12	769	212	96	0.10	0.0	3.190	0.046	0	0	0	115
PL.33501	PL.33181	ABC	#3/0 ACSR	7.43Y	123.8	0.02	1.24	35.21	12	756	209	96	0.10	0.0	3.238	0.047	11	3	2	114
PL.34061	PL.33501	ABC	#3/0 ACSR	7.42Y	123.7	0.05	1.29	34.69	12	745	205	96	0.24	0.0	3.356	0.119	0	0	0	112
PL.34060	PL.34061	C	6 A (CWC)	7.42Y	123.7	0.00	1.29	1.69	1	12	3	97	0.00	0.0	3.357	0.001	0	0	0	1
PD.4923	PL.34060	C	50QA	7.42Y	123.7	0.00	1.29	1.69	3	12	3	97	0.00	0.0	3.357	0.001	0	0	0	1
PL.53521	PD.4923	C	6 A (CWC)	7.42Y	123.7	0.00	1.30	1.69	1	12	3	97	0.00	0.0	3.429	0.072	12	3	1	1
PL.53522	PL.53521	C	6 A (CWC)	7.42Y	123.7	0.00	1.30	0.00	0	0	0	100	0.00	0.0	3.529	0.100	0	0	0	0
PL.33182	PL.34061	ABC	#3/0 ACSR	7.42Y	123.7	0.04	1.34	34.13	11	733	202	96	0.20	0.0	3.457	0.101	2	0	3	111
PL.34062	PL.33182	ABC	#3/0 ACSR	7.42Y	123.7	0.01	1.35	33.30	11	715	197	96	0.04	0.0	3.476	0.019	0	0	0	106
PL.34063	PL.34062	ABC	#3/0 ACSR	7.42Y	123.6	0.02	1.36	33.30	11	715	197	96	0.07	0.0	3.516	0.040	0	0	0	106
PL.34064	PL.34063	A	#4 ACSR	7.42Y	123.6	0.00	1.36	4.85	4	35	9	97	0.00	0.0	3.516	0.000	0	0	0	6
PD.5006	PL.34064	A	50QA	7.42Y	123.6	0.00	1.36	4.85	10	35	9	97	0.00	0.0	3.516	0.000	0	0	0	6
PL.53534	PD.5006	A	#4 ACSR	7.42Y	123.6	0.02	1.38	4.85	4	35	9	97	0.00	0.0	3.607	0.091	11	3	1	6
PL.53535	PL.53534	A	#4 ACSR	7.42Y	123.6	0.00	1.38	3.26	3	23	6	97	0.00	0.0	3.623	0.016	0	0	0	5
PL.53600	PL.53535	A	#1/0 ACSR	7.42Y	123.6	0.00	1.38	1.30	1	9	3	95	0.00	0.0	3.666	0.043	4	1	1	3
PL.53601	PL.53600	A	#1/0 ACSR	7.42Y	123.6	0.00	1.38	0.75	0	5	1	98	0.00	0.0	3.727	0.061	0	0	0	2
PL.53603	PL.53601	A	#1/0 ACSR	7.42Y	123.6	0.00	1.38	0.00	0	0	0	100	0.00	0.0	3.825	0.098	0	0	0	0
PL.53602	PL.53601	A	#1/0 ACSR	7.42Y	123.6	0.00	1.38	0.75	0	5	1	98	0.00	0.0	3.766	0.039	3	1	1	2
PL.53599	PL.53602	A	#1/0 ACSR	7.42Y	123.6	0.00	1.38	0.37	0	3	1	95	0.00	0.0	3.850	0.084	3	1	1	1
PL.53536	PL.53535	A	#1/0 ACSR	7.42Y	123.6	0.00	1.38	0.45	0	3	1	95	0.00	0.0	3.661	0.038	3	1	1	1
PL.53598	PL.53535	A	#4 ACSR	7.42Y	123.6	0.01	1.39	1.52	1	11	3	96	0.00	0.0	3.782	0.159	11	3	1	1
PL.34065	PL.34063	ABC	#3/0 ACSR	7.42Y	123.6	0.03	1.39	31.69	11	680	187	96	0.13	0.0	3.594	0.078	2	1	2	100

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Balanced Voltage Drop Report
Source: Bush

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.34221	PL.34065	C	#4 ACSR	7.42Y	123.6	0.00	1.39	1.65	1	12	3	97	0.00	0.0	3.594	0.000	0	0	0	3
PD.4924	PL.34221	C	20T	7.42Y	123.6	0.00	1.39	1.65	0	12	3	97	0.00	0.0	3.594	0.000	0	0	0	3
PL.33484	PD.4924	C	#4 ACSR	7.42Y	123.6	0.00	1.40	1.65	1	12	3	97	0.00	0.0	3.670	0.075	5	1	2	3
PL.34222	PL.33484	C	#4 ACSR	7.42Y	123.6	0.00	1.40	0.96	1	7	2	96	0.00	0.0	3.693	0.023	7	2	1	1
PL.34220	PL.34065	ABC	#3/0 ACSR	7.41Y	123.6	0.04	1.44	31.05	10	666	183	96	0.18	0.0	3.705	0.111	0	0	0	95
PL.33170	PL.34220	C	6 A (CWC)	7.41Y	123.6	0.01	1.44	10.90	8	78	21	97	0.00	0.0	3.718	0.013	0	0	0	11
PL.34223	PL.33170	C	6 A (CWC)	7.41Y	123.6	0.00	1.44	10.90	8	78	21	97	0.00	0.0	3.720	0.002	0	0	0	11
PD.4947	PL.34223	C	35L	7.41Y	123.6	0.00	1.44	10.90	31	78	21	97	0.00	0.0	3.720	0.002	0	0	0	11
PL.34163	PD.4947	C	6 A (CWC)	7.40Y	123.4	0.20	1.64	10.90	8	78	21	97	0.11	0.1	4.114	0.394	0	0	0	11
PL.33980	PL.34163	C	6 A (CWC)	7.40Y	123.3	0.03	1.67	7.63	5	54	15	96	0.01	0.0	4.190	0.076	0	0	0	9
PL.34164	PL.33980	C	6 A (CWC)	7.40Y	123.3	0.03	1.70	7.63	5	54	15	96	0.01	0.0	4.277	0.088	0	0	0	9
PL.64869	PL.34164	C	6 A (CWC)	7.40Y	123.3	0.00	1.70	0.00	0	0	0	100	0.00	0.0	4.398	0.120	0	0	0	0
PL.34165	PL.34164	C	6 A (CWC)	7.40Y	123.3	0.05	1.75	7.63	5	54	15	96	0.02	0.0	4.424	0.146	0	0	0	9
PL.34166	PL.34165	C	6 A (CWC)	7.39Y	123.2	0.04	1.79	6.17	4	44	12	96	0.01	0.0	4.574	0.151	0	0	0	7
PL.33200	PL.34166	C	6 A (CWC)	7.39Y	123.2	0.02	1.81	5.53	4	39	11	96	0.01	0.0	4.643	0.068	0	0	0	6
PL.33126	PL.33200	C	6 A (CWC)	7.39Y	123.2	0.00	1.81	1.10	1	8	2	97	0.00	0.0	4.699	0.056	8	2	1	1
PL.33201	PL.33200	C	6 A (CWC)	7.39Y	123.2	0.01	1.82	4.43	3	32	9	96	0.00	0.0	4.713	0.070	2	0	1	5
PL.64851	PL.33201	C	#4 ACSR	7.39Y	123.2	0.01	1.83	3.25	2	23	6	97	0.00	0.0	4.763	0.050	7	2	1	3
PL.34169	PL.64851	C	#4 ACSR	7.39Y	123.2	0.00	1.83	2.24	2	16	4	97	0.00	0.0	4.812	0.048	9	2	1	2
PL.34170	PL.34169	C	#4 ACSR	7.39Y	123.2	0.00	1.83	1.01	1	7	2	96	0.00	0.0	4.858	0.047	7	2	1	1
PL.66217	PL.34170	C	#1/0 ACSR	7.39Y	123.2	0.00	1.83	0.00	0	0	0	100	0.00	0.0	4.911	0.053	0	0	0	0
PL.34171	PL.33201	C	6 A (CWC)	7.39Y	123.2	0.00	1.83	0.93	1	7	2	96	0.00	0.0	4.825	0.112	0	0	0	1
PL.34172	PL.34171	C	6 A (CWC)	7.39Y	123.2	0.00	1.83	0.93	1	7	2	96	0.00	0.0	5.027	0.202	7	2	1	1
PL.62966	PL.34172	C	6 A (CWC)	7.39Y	123.2	0.00	1.83	0.00	0	0	0	100	0.00	0.0	5.140	0.113	0	0	0	0
PD.9401-A	PL.62966	C	Open	7.39Y	123.2	0.00	1.83	0.00	0	0	0	100	0.00	0.0	5.140	0.113	0	0	0	0
PL.34167	PL.34166	C	#2 ACSR	7.39Y	123.2	0.00	1.79	0.65	0	5	1	98	0.00	0.0	4.735	0.161	0	0	0	1
PL.34168	PL.34167	C	#2 ACSR	7.39Y	123.2	0.00	1.80	0.65	0	5	1	98	0.00	0.0	4.934	0.199	5	1	1	1
PL.64868	PL.34165	C	6 A (CWC)	7.39Y	123.2	0.00	1.75	1.46	1	10	3	96	0.00	0.0	4.521	0.097	10	3	2	2
PL.33146	PL.33980	C	6 A (CWC)	7.40Y	123.3	0.00	1.67	0.00	0	0	0	100	0.00	0.0	4.253	0.063	0	0	0	0
PL.33278	PL.34163	C	#4 ACSR	7.40Y	123.4	0.00	1.64	3.26	3	23	6	97	0.00	0.0	4.141	0.028	23	6	2	2
PL.33164	PL.34163	C	#4 ACSR	7.40Y	123.4	0.00	1.64	0.00	0	0	0	100	0.00	0.0	4.184	0.071	0	0	0	0

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Balanced Voltage Drop Report
Source: Bush

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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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PL.33193	PL.34220	ABC	#1/0 ACSR	7.41Y	123.5	0.02	1.46	27.42	12	588	161	96	0.08	0.0	3.745	0.040	0	0	0	84	
PL.33974	PL.33193	ABC	#1/0 ACSR	7.41Y	123.5	0.00	1.46	27.42	12	588	161	96	0.00	0.0	3.745	0.001	0	0	0	84	
C PD.4948	PL.33974	ABC	35L	7.41Y	123.5	0.00	1.46	27.42	78	588	161	96	0.00	0.0	3.745	0.001	0	0	0	84	C
PL.33975	PD.4948	ABC	#1/0 ACSR	7.41Y	123.5	0.02	1.47	27.42	12	588	161	96	0.07	0.0	3.782	0.037	0	0	0	84	
PL.53524	PL.33975	ABC	#1/0 ACSR	7.41Y	123.5	0.04	1.51	27.42	12	588	161	96	0.16	0.0	3.862	0.079	0	0	0	84	
PL.53525	PL.53524	ABC	#1/0 ACSR	7.41Y	123.4	0.04	1.55	26.73	12	573	157	96	0.15	0.0	3.944	0.082	11	3	1	82	
PL.33149	PL.53525	C	6 A (CWC)	7.41Y	123.4	0.00	1.55	1.38	1	10	3	96	0.00	0.0	3.996	0.052	10	3	3	3	
PL.33485	PL.53525	C	#4 ACSR	7.41Y	123.4	0.00	1.55	1.74	1	12	3	97	0.00	0.0	3.945	0.001	0	0	0	1	
PD.4966	PL.33485	C	25QA	7.41Y	123.4	0.00	1.55	1.74	7	12	3	97	0.00	0.0	3.945	0.001	0	0	0	1	
PL.62750	PD.4966	C	#4 ACSR	7.41Y	123.4	0.00	1.56	1.74	1	12	3	97	0.00	0.0	3.977	0.033	0	0	0	1	
PL.62752	PL.62750	C	#1/0 ACSR	7.41Y	123.4	0.00	1.56	1.74	1	12	3	97	0.00	0.0	3.980	0.003	0	0	0	1	
PD.9398	PL.62752	C	10T	7.41Y	123.4	0.00	1.56	1.74	0	12	3	97	0.00	0.0	3.980	0.003	0	0	0	1	
PL.62753	PD.9398	C	#1/0 ACSR	7.41Y	123.4	0.00	1.56	1.74	1	12	3	97	0.00	0.0	4.036	0.056	0	0	0	1	
PL.62754	PL.62753	C	#1/0 ACSR	7.41Y	123.4	0.00	1.56	1.74	1	12	3	97	0.00	0.0	4.104	0.068	0	0	0	1	
PL.62755	PL.62754	C	#1/0 ACSR	7.41Y	123.4	0.00	1.56	1.74	1	12	3	97	0.00	0.0	4.174	0.070	0	0	0	1	
PL.62756	PL.62755	C	#1/0 ACSR	7.41Y	123.4	0.00	1.57	1.74	1	12	3	97	0.00	0.0	4.219	0.045	0	0	0	1	
PL.62757	PL.62756	C	#1/0 ACSR	7.41Y	123.4	0.00	1.57	1.74	1	12	3	97	0.00	0.0	4.280	0.060	12	3	1	1	
PL.62751	PL.62750	C	#4 ACSR	7.41Y	123.4	0.00	1.56	0.00	0	0	0	100	0.00	0.0	4.030	0.053	0	0	0	0	
PL.33976	PL.53525	ABC	#1/0 ACSR	7.40Y	123.4	0.03	1.59	25.17	11	539	148	96	0.12	0.0	4.020	0.076	23	6	2	77	
PL.33486	PL.33976	ABC	#1/0 ACSR	7.40Y	123.4	0.04	1.63	16.72	7	358	98	96	0.11	0.0	4.167	0.147	12	3	1	56	
PL.33470	PL.33486	ABC	#1/0 ACSR	7.40Y	123.3	0.03	1.66	16.15	7	346	95	96	0.08	0.0	4.283	0.117	0	0	0	55	
PL.33471	PL.33470	ABC	#1/0 ACSR	7.40Y	123.3	0.01	1.67	16.15	7	346	95	96	0.02	0.0	4.314	0.031	8	2	1	55	
PL.33472	PL.33471	ABC	#1/0 ACSR	7.40Y	123.3	0.02	1.69	15.76	7	337	93	96	0.05	0.0	4.386	0.072	0	0	0	54	
PL.33940	PL.33472	C	6 A (CWC)	7.40Y	123.3	0.00	1.69	1.58	1	11	3	96	0.00	0.0	4.387	0.001	0	0	0	2	
PD.4913	PL.33940	C	25QA	7.40Y	123.3	0.00	1.69	1.58	6	11	3	96	0.00	0.0	4.387	0.001	0	0	0	2	
PL.33473	PD.4913	C	6 A (CWC)	7.40Y	123.3	0.00	1.70	1.58	1	11	3	96	0.00	0.0	4.451	0.064	6	2	1	2	
PL.33162	PL.33473	C	6 A (CWC)	7.40Y	123.3	0.00	1.70	0.78	1	6	2	95	0.00	0.0	4.491	0.040	6	2	1	1	
PL.33474	PL.33473	C	6 A (CWC)	7.40Y	123.3	0.00	1.70	0.00	0	0	0	100	0.00	0.0	4.493	0.042	0	0	0	0	
PL.33514	PL.33472	ABC	#1/0 ACSR	7.40Y	123.3	0.02	1.72	15.23	7	326	89	96	0.05	0.0	4.468	0.082	0	0	0	52	
PL.33941	PL.33514	C	6 A (CWC)	7.40Y	123.3	0.00	1.72	1.26	1	9	2	98	0.00	0.0	4.469	0.001	0	0	0	1	
PD.4978	PL.33941	C	25QA	7.40Y	123.3	0.00	1.72	1.26	5	9	2	98	0.00	0.0	4.469	0.001	0	0	0	1	

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.33942	PD.4978	C	6 A (CWC)	7.40Y	123.3	0.00	1.72	1.26	1	9	2	98	0.00	0.0	4.518	0.049	0	0	0	1
PL.53171	PL.33942	C	6 A (CWC)	7.40Y	123.3	0.00	1.72	1.26	1	9	2	98	0.00	0.0	4.582	0.064	9	2	1	1
PL.53424	PL.33942	C	#4 ACSR	7.40Y	123.3	0.00	1.72	0.00	0	0	0	100	0.00	0.0	4.580	0.062	0	0	0	0
PL.53425	PL.53424	C	#4 ACSR	7.40Y	123.3	0.00	1.72	0.00	0	0	0	100	0.00	0.0	4.627	0.048	0	0	0	0
PL.33636	PL.33514	ABC	#1/0 ACSR	7.39Y	123.2	0.05	1.77	14.81	6	317	87	96	0.12	0.0	4.668	0.200	0	0	0	51
PL.33480	PL.33636	C	#4 ACSR	7.39Y	123.2	0.00	1.77	2.18	2	16	4	97	0.00	0.0	4.671	0.003	0	0	0	2
PD.4990	PL.33480	C	25QA	7.39Y	123.2	0.00	1.77	2.18	9	16	4	97	0.00	0.0	4.671	0.003	0	0	0	2
PL.33481	PD.4990	C	#4 ACSR	7.39Y	123.2	0.01	1.78	2.18	2	16	4	97	0.00	0.0	4.828	0.158	6	2	1	2
PL.33638	PL.33481	C	#4 ACSR	7.39Y	123.2	0.00	1.78	1.27	1	9	2	98	0.00	0.0	4.894	0.065	9	2	1	1
PL.33637	PL.33636	ABC	#1/0 ACSR	7.39Y	123.2	0.02	1.79	14.09	6	301	83	96	0.04	0.0	4.749	0.081	0	0	0	49
PL.34133	PL.33637	B	6 A (CWC)	7.39Y	123.2	0.00	1.79	8.07	6	58	16	96	0.00	0.0	4.753	0.004	0	0	0	7
PD.4971	PL.34133	B	25QA	7.39Y	123.2	0.00	1.79	8.07	32	58	16	96	0.00	0.0	4.753	0.004	0	0	0	7
PL.33535	PD.4971	B	6 A (CWC)	7.39Y	123.2	0.02	1.81	8.07	6	58	16	96	0.01	0.0	4.813	0.060	6	2	1	7
PL.34089	PL.33535	B	6 A (CWC)	7.39Y	123.2	0.03	1.85	7.22	5	51	14	96	0.01	0.0	4.915	0.101	0	0	0	6
PL.34090	PL.34089	B	6 A (CWC)	7.39Y	123.1	0.02	1.87	6.10	4	44	12	96	0.01	0.0	4.996	0.082	0	0	0	5
PL.53533	PL.34090	B	#1/0 ACSR	7.39Y	123.1	0.00	1.87	1.39	1	10	3	96	0.00	0.0	5.056	0.060	10	3	1	1
PL.53582	PL.34090	B	6 A (CWC)	7.39Y	123.1	0.02	1.89	2.53	2	18	5	96	0.00	0.0	5.199	0.202	0	0	0	3
PL.55422	PL.53582	B	6 A (CWC)	7.39Y	123.1	0.01	1.90	2.53	2	18	5	96	0.00	0.0	5.329	0.130	7	2	1	3
PL.55423	PL.55422	B	6 A (CWC)	7.39Y	123.1	0.00	1.90	0.48	0	3	1	95	0.00	0.0	5.391	0.062	3	1	1	1
PL.55426	PL.55423	B	6 A (CWC)	7.39Y	123.1	0.00	1.90	0.00	0	0	0	100	0.00	0.0	5.553	0.163	0	0	0	0
PL.55424	PL.55422	B	#4 ACSR	7.39Y	123.1	0.00	1.91	1.00	1	7	2	96	0.00	0.0	5.385	0.057	7	2	1	1
PL.55425	PL.55424	B	#4 ACSR	7.39Y	123.1	0.00	1.91	0.00	0	0	0	100	0.00	0.0	5.440	0.054	0	0	0	0
PL.53532	PL.34090	B	#1/0 ACSR	7.39Y	123.1	0.00	1.87	2.18	1	16	4	97	0.00	0.0	5.013	0.017	16	4	1	1
PL.55421	PL.34089	B	6 A (CWC)	7.39Y	123.2	0.00	1.85	1.12	1	8	2	97	0.00	0.0	4.961	0.047	8	2	1	1
PL.64867	PL.33637	ABC	#1/0 ACSR	7.39Y	123.2	0.02	1.81	11.40	5	244	67	96	0.04	0.0	4.862	0.113	0	0	0	42
PL.34134	PL.64867	C	6 A (CWC)	7.39Y	123.2	0.00	1.82	13.32	10	95	26	96	0.00	0.0	4.865	0.003	0	0	0	14
PD.4970	PL.34134	C	25QA	7.39Y	123.2	0.00	1.82	13.32	53	95	26	96	0.00	0.0	4.865	0.003	0	0	0	14
PL.34135	PD.4970	C	6 A (CWC)	7.39Y	123.1	0.04	1.86	13.32	10	95	26	96	0.03	0.0	4.935	0.069	0	0	0	14
PL.53176	PL.34135	C	6 A (CWC)	7.39Y	123.1	0.00	1.86	1.17	1	8	2	97	0.00	0.0	5.019	0.085	8	2	1	1
PL.53590	PL.53176	C	#1/0 ACSR	7.39Y	123.1	0.00	1.86	0.00	0	0	0	100	0.00	0.0	5.073	0.054	0	0	0	0
PL.34136	PL.34135	C	6 A (CWC)	7.37Y	122.8	0.30	2.16	12.14	9	87	24	96	0.20	0.2	5.479	0.544	0	0	0	13

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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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.33612	PL.34136	C	6 A (CWC)	7.37Y	122.8	0.02	2.18	3.78	3	27	7	97	0.00	0.0	5.570	0.091	0	0	0	5
PL.33613	PL.33612	C	6 A (CWC)	7.37Y	122.8	0.02	2.19	3.78	3	27	7	97	0.00	0.0	5.671	0.101	0	0	0	5
PL.53597	PL.33613	C	6 A (CWC)	7.37Y	122.8	0.00	2.19	0.00	0	0	0	100	0.00	0.0	5.699	0.028	0	0	1	1
PL.33614	PL.33613	C	6 A (CWC)	7.37Y	122.8	0.01	2.20	1.88	1	13	4	96	0.00	0.0	5.807	0.136	0	0	0	2
PL.34015	PL.33614	C	6 A (CWC)	7.37Y	122.8	0.00	2.21	1.88	1	13	4	96	0.00	0.0	5.860	0.054	0	0	0	2
PL.34016	PL.34015	C	6 A (CWC)	7.37Y	122.8	0.01	2.22	1.40	1	10	3	96	0.00	0.0	6.071	0.210	10	3	1	1
PL.33289	PL.34015	C	6 A (CWC)	7.37Y	122.8	0.00	2.21	0.48	0	3	1	95	0.00	0.0	5.887	0.026	3	1	1	1
PL.53595	PL.33613	C	#1/0 ACSR	7.37Y	122.8	0.00	2.19	1.90	1	13	4	96	0.00	0.0	5.697	0.026	1	0	1	2
PL.53596	PL.53595	C	#1/0 ACSR	7.37Y	122.8	0.00	2.19	1.80	1	13	3	97	0.00	0.0	5.722	0.025	13	3	1	1
PL.33171	PL.33612	C	6 A (CWC)	7.37Y	122.8	0.00	2.18	0.00	0	0	0	100	0.00	0.0	5.620	0.050	0	0	0	0
PL.34139	PL.34136	C	6 A (CWC)	7.37Y	122.8	0.03	2.19	8.36	6	59	16	97	0.01	0.0	5.561	0.082	6	2	1	8
PL.34140	PL.34139	C	6 A (CWC)	7.37Y	122.8	0.02	2.21	7.58	5	54	15	96	0.01	0.0	5.631	0.069	0	0	0	7
PL.33264	PL.34140	C	#2 ACSR	7.37Y	122.8	0.00	2.22	1.45	1	10	3	96	0.00	0.0	5.729	0.099	10	3	1	1
PL.34012	PL.34140	C	6 A (CWC)	7.36Y	122.7	0.05	2.27	6.13	4	44	12	96	0.02	0.0	5.825	0.194	0	0	0	6
PL.55593	PL.34012	C	6 A (CWC)	7.36Y	122.7	0.02	2.29	6.13	4	44	12	96	0.01	0.0	5.913	0.088	7	2	1	6
PL.55594	PL.55593	C	6 A (CWC)	7.36Y	122.7	0.04	2.33	5.14	4	37	10	97	0.01	0.0	6.095	0.182	0	0	0	5
PL.34017	PL.55594	C	6 A (CWC)	7.36Y	122.6	0.02	2.36	3.41	2	24	7	96	0.00	0.0	6.254	0.158	0	0	0	2
PL.34018	PL.34017	C	6 A (CWC)	7.36Y	122.6	0.01	2.37	3.41	2	24	7	96	0.00	0.0	6.309	0.055	0	0	0	2
PL.34019	PL.34018	C	6 A (CWC)	7.36Y	122.6	0.01	2.38	3.41	2	24	7	96	0.00	0.0	6.362	0.052	0	0	0	2
PL.34021	PL.34019	C	6 A (CWC)	7.36Y	122.6	0.00	2.38	0.00	0	0	0	100	0.00	0.0	6.405	0.043	0	0	0	0
PL.34022	PL.34021	C	6 A (CWC)	7.36Y	122.6	0.00	2.38	0.00	0	0	0	100	0.00	0.0	6.449	0.044	0	0	0	0
PL.33608	PL.34019	C	#4 ACSR	7.36Y	122.6	0.00	2.38	0.00	0	0	0	100	0.00	0.0	6.534	0.173	0	0	0	0
PL.55392	PL.34019	C	#4 ACSR	7.36Y	122.6	0.01	2.38	3.41	3	24	7	96	0.00	0.0	6.456	0.094	24	7	2	2
PL.34013	PL.55594	C	#4 ACSR	7.36Y	122.7	0.00	2.34	1.74	1	12	3	97	0.00	0.0	6.116	0.021	3	1	1	3
PL.34014	PL.34013	C	#4 ACSR	7.36Y	122.7	0.00	2.34	1.29	1	9	2	98	0.00	0.0	6.149	0.033	9	2	2	2
PL.53173	PL.64867	B	6 A (CWC)	7.39Y	123.1	0.07	1.88	20.88	15	149	41	96	0.07	0.0	4.937	0.075	15	4	3	28
PL.53172	PL.53173	B	6 A (CWC)	7.38Y	123.1	0.07	1.95	18.74	13	134	37	96	0.07	0.1	5.017	0.080	0	0	0	25
PL.33640	PL.53172	B	#2 ACSR	7.38Y	123.0	0.00	1.95	1.21	1	9	2	98	0.00	0.0	5.050	0.033	9	2	1	1
PL.34137	PL.53172	B	6 A (CWC)	7.38Y	123.0	0.05	2.00	17.54	13	125	34	96	0.05	0.0	5.079	0.062	0	0	0	24
PL.53517	PL.34137	B	6 A (CWC)	7.38Y	123.0	0.01	2.01	3.86	3	27	8	96	0.00	0.0	5.155	0.076	14	4	1	2
PL.62956	PL.53517	B	#1/0 ACSR	7.38Y	123.0	0.00	2.01	1.95	1	14	4	96	0.00	0.0	5.212	0.058	0	0	0	1

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Balanced Voltage Drop Report
Source: Bush

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PL.62955	PL.62956	B	#1/0 ACSR	7.38Y	123.0	0.00	2.01	1.95	1	14	4	96	0.00	0.0	5.269	0.057	14	4	1	1	
PL.53518	PL.34137	B	6 A (CWC)	7.38Y	123.0	0.03	2.02	13.68	10	97	27	96	0.02	0.0	5.121	0.042	6	2	2	22	
PL.53520	PL.53518	B	#1/0 ACSR	7.38Y	123.0	0.00	2.02	0.00	0	0	0	100	0.00	0.0	5.150	0.029	0	0	0	0	
PL.72962	PL.53518	B	6 A (CWC)	7.38Y	123.0	0.00	2.02	12.84	9	91	25	96	0.00	0.0	5.121	0.000	0	0	0	20	
PL.72963	PL.72962	B	6 A (CWC)	7.37Y	122.8	0.14	2.17	12.84	9	91	25	96	0.09	0.1	5.374	0.253	9	3	1	20	
PL.34138	PL.72963	B	6 A (CWC)	7.37Y	122.8	0.04	2.20	11.55	8	82	22	97	0.02	0.0	5.443	0.070	0	0	0	19	
PL.66215	PL.34138	B	6 A (CWC)	7.37Y	122.8	0.02	2.23	10.47	7	74	20	97	0.01	0.0	5.493	0.049	0	0	0	18	
PL.66214	PL.66215	B	#1/0 ACSR	7.37Y	122.8	0.00	2.23	0.89	0	6	2	95	0.00	0.0	5.537	0.045	6	2	1	1	
PL.66216	PL.66215	B	6 A (CWC)	7.36Y	122.7	0.04	2.27	9.58	7	68	19	96	0.02	0.0	5.593	0.101	0	0	0	17	
PL.34011	PL.66216	B	6 A (CWC)	7.36Y	122.6	0.09	2.36	9.58	7	68	19	96	0.05	0.1	5.797	0.204	0	0	0	17	
PL.34020	PL.34011	B	6 A (CWC)	7.36Y	122.6	0.01	2.37	4.58	3	32	9	96	0.00	0.0	5.858	0.060	0	0	0	9	
PL.33176	PL.34020	B	6 A (CWC)	7.36Y	122.6	0.02	2.39	3.71	3	26	7	97	0.00	0.0	5.965	0.107	0	0	0	7	
PL.33502	PL.33176	B	6 A (CWC)	7.36Y	122.6	0.01	2.40	2.42	2	17	5	96	0.00	0.0	6.048	0.083	4	1	1	5	
PL.57236	PL.33502	B	6 A (CWC)	7.36Y	122.6	0.00	2.40	1.90	1	14	4	96	0.00	0.0	6.071	0.023	0	0	0	4	
PL.57237	PL.57236	B	6 A (CWC)	7.36Y	122.6	0.00	2.40	1.90	1	14	4	96	0.00	0.0	6.124	0.053	4	1	1	3	
PL.57238	PL.57237	B	6 A (CWC)	7.36Y	122.6	0.00	2.41	1.38	1	10	3	96	0.00	0.0	6.214	0.090	10	3	2	2	
PL.57235	PL.57236	B	6 A (CWC)	7.36Y	122.6	0.00	2.40	0.00	0	0	0	100	0.00	0.0	6.133	0.062	0	0	1	1	
PL.33513	PL.33176	B	6 A (CWC)	7.36Y	122.6	0.00	2.39	1.29	1	9	2	98	0.00	0.0	6.056	0.091	9	2	2	2	
PL.33135	PL.34020	B	6 A (CWC)	7.36Y	122.6	0.00	2.37	0.87	1	6	2	95	0.00	0.0	5.903	0.045	6	2	2	2	
PL.59098	PL.34011	B	#2 ACSR	7.36Y	122.6	0.01	2.37	5.01	3	36	10	96	0.00	0.0	5.862	0.065	9	2	1	8	
PL.59097	PL.59098	B	#2 ACSR	7.36Y	122.6	0.00	2.37	1.36	1	10	3	96	0.00	0.0	5.921	0.059	10	3	1	1	
PL.59099	PL.59098	B	#2 ACSR	7.36Y	122.6	0.00	2.37	2.36	1	17	5	96	0.00	0.0	5.915	0.052	17	5	6	6	
PL.33531	PL.34138	B	6 A (CWC)	7.37Y	122.8	0.00	2.20	1.07	1	8	2	97	0.00	0.0	5.517	0.073	8	2	1	1	
PL.33977	PL.33976	A	6 A (CWC)	7.40Y	123.4	0.00	1.59	22.19	16	159	43	97	0.00	0.0	4.020	0.001	0	0	0	19	
C PD.4964	PL.33977	A	25QA	7.40Y	123.4	0.00	1.59	22.19	89	159	43	97	0.00	0.0	4.020	0.001	0	0	0	19	C
PL.33487	PD.4964	A	6 A (CWC)	7.40Y	123.3	0.13	1.72	22.19	16	159	43	97	0.15	0.1	4.148	0.127	0	0	0	19	
PL.53523	PL.33487	A	6 A (CWC)	7.40Y	123.3	0.01	1.72	2.11	2	15	4	97	0.00	0.0	4.266	0.118	15	4	1	1	
PL.33488	PL.33487	A	6 A (CWC)	7.39Y	123.2	0.10	1.82	20.08	14	143	39	96	0.11	0.1	4.260	0.112	0	0	0	18	
PL.33978	PL.33488	A	6 A (CWC)	7.39Y	123.2	0.02	1.84	6.35	5	45	12	97	0.01	0.0	4.339	0.080	0	0	0	4	
PL.33292	PL.33978	A	#2 ACSR	7.39Y	123.2	0.00	1.84	1.76	1	13	3	97	0.00	0.0	4.364	0.025	13	3	1	1	
PL.33979	PL.33978	A	6 A (CWC)	7.39Y	123.1	0.01	1.86	4.59	3	33	9	96	0.00	0.0	4.399	0.060	0	0	0	3	

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Balanced Voltage Drop Report
Source: Bush

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.53537	PL.33979	A	6 A (CWC)	7.39Y	123.1	0.00	1.86	2.75	2	20	5	97	0.00	0.0	4.440	0.041	12	3	1	2
PL.53538	PL.53537	A	6 A (CWC)	7.39Y	123.1	0.00	1.86	1.10	1	8	2	97	0.00	0.0	4.501	0.061	8	2	1	1
PL.33124	PL.33979	A	#1/0 ACSR	7.39Y	123.1	0.00	1.86	1.84	1	13	4	96	0.00	0.0	4.508	0.109	13	4	1	1
PL.33280	PL.33488	A	6 A (CWC)	7.39Y	123.1	0.08	1.90	13.72	10	98	27	96	0.06	0.1	4.390	0.130	0	0	0	14
PL.33318	PL.33280	A	#4 ACSR	7.39Y	123.1	0.00	1.90	0.59	0	4	1	97	0.00	0.0	4.532	0.142	4	1	1	1
PL.33281	PL.33280	A	6 A (CWC)	7.38Y	123.0	0.08	1.98	13.14	9	94	25	97	0.05	0.1	4.543	0.153	23	6	2	13
PL.33932	PL.33281	A	6 A (CWC)	7.38Y	123.0	0.03	2.01	6.72	5	48	13	97	0.01	0.0	4.630	0.087	0	0	0	9
PL.33517	PL.33932	A	#4 ACSR	7.38Y	123.0	0.00	2.01	0.00	0	0	0	100	0.00	0.0	4.665	0.035	0	0	0	0
PL.33933	PL.33932	A	6 A (CWC)	7.38Y	123.0	0.02	2.03	6.72	5	48	13	97	0.01	0.0	4.694	0.063	7	2	2	9
PL.33425	PL.33933	A	#4 ACSR	7.38Y	123.0	0.00	2.03	1.35	1	10	3	96	0.00	0.0	4.777	0.083	10	3	1	1
PL.33934	PL.33933	A	6 A (CWC)	7.38Y	123.0	0.01	2.03	3.46	2	25	7	96	0.00	0.0	4.755	0.061	16	4	2	5
PL.33935	PL.33934	A	6 A (CWC)	7.38Y	123.0	0.00	2.04	1.21	1	9	2	98	0.00	0.0	4.816	0.061	4	1	2	3
PL.33936	PL.33935	A	6 A (CWC)	7.38Y	123.0	0.00	2.04	0.60	0	4	1	97	0.00	0.0	4.888	0.072	4	1	1	1
PL.33938	PL.33936	A	#4 ACSR	7.38Y	123.0	0.00	2.04	0.00	0	0	0	100	0.00	0.0	4.929	0.041	0	0	0	0
PL.33939	PL.33938	A	#4 ACSR	7.38Y	123.0	0.00	2.04	0.00	0	0	0	100	0.00	0.0	4.969	0.041	0	0	0	0
PL.33937	PL.33936	A	6 A (CWC)	7.38Y	123.0	0.00	2.04	0.00	0	0	0	100	0.00	0.0	4.971	0.083	0	0	0	0
PL.33319	PL.33933	A	#4 ACSR	7.38Y	123.0	0.00	2.03	0.92	1	7	2	96	0.00	0.0	4.756	0.063	7	2	1	1
PL.62695	PL.33281	A	6 A (CWC)	7.38Y	123.0	0.01	1.99	3.17	2	23	6	97	0.00	0.0	4.590	0.047	11	3	1	2
PL.62395	PL.62695	A	#1/0 ACSR	7.38Y	123.0	0.00	1.99	1.68	1	12	3	97	0.00	0.0	4.592	0.002	0	0	0	1
PD.9518	PL.62395	A	25T	7.38Y	123.0	0.00	1.99	1.68	0	12	3	97	0.00	0.0	4.592	0.002	0	0	0	1
PL.62396	PD.9518	A	#1/0 ACSR	7.38Y	123.0	0.00	1.99	1.68	1	12	3	97	0.00	0.0	4.647	0.055	0	0	0	1
PL.62397	PL.62396	A	#1/0 ACSR	7.38Y	123.0	0.00	1.99	1.68	1	12	3	97	0.00	0.0	4.698	0.051	0	0	0	1
PL.62398	PL.62397	A	#1/0 ACSR	7.38Y	123.0	0.00	1.99	1.68	1	12	3	97	0.00	0.0	4.732	0.034	0	0	0	1
PL.62399	PL.62398	A	1/0 AL URD	7.38Y	123.0	0.00	1.99	1.68	1	12	3	97	0.00	0.0	4.778	0.046	12	3	1	1
PL.62394	PL.62695	A	6 A (CWC)	7.38Y	123.0	0.00	1.99	0.00	0	0	0	100	0.00	0.0	4.618	0.028	0	0	0	0
PL.33931	PL.62394	A	6 A (CWC)	7.38Y	123.0	0.00	1.99	0.00	0	0	0	100	0.00	0.0	4.702	0.084	0	0	0	0
PL.33187	PL.33281	A	#4 ACSR	7.38Y	123.0	0.00	1.98	0.00	0	0	0	100	0.00	0.0	4.587	0.045	0	0	0	0
PL.53528	PL.53524	A	#1/0 ACSR	7.41Y	123.5	0.00	1.51	0.55	0	4	1	97	0.00	0.0	3.866	0.004	0	0	0	1
PD.7909	PL.53528	A	10QA	7.41Y	123.5	0.00	1.51	0.55	0	4	1	97	0.00	0.0	3.866	0.004	0	0	0	1
PL.53529	PD.7909	A	#1/0 ACSR	7.41Y	123.5	0.00	1.51	0.55	0	4	1	97	0.00	0.0	3.894	0.028	4	1	1	1
PL.53526	PL.53524	A	6 A (CWC)	7.41Y	123.5	0.00	1.51	1.52	1	11	3	96	0.00	0.0	3.867	0.005	0	0	0	1

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Balanced Voltage Drop Report
Source: Bush

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru	
PD.7908	PL.53526	A	10QA	7.41Y	123.5	0.00	1.51	1.52	0	11	3	96	0.00	0.0	3.867	0.005	0	0	0	1	
PL.53527	PD.7908	A	6 A (CWC)	7.41Y	123.5	0.00	1.52	1.52	1	11	3	96	0.00	0.0	3.943	0.076	11	3	1	1	
PL.33183	PL.33182	A	6 A (CWC)	7.42Y	123.7	0.00	1.34	2.24	2	16	4	97	0.00	0.0	3.463	0.006	0	0	0	2	
PD.4965	PL.33183	A	50QA	7.42Y	123.7	0.00	1.34	2.24	4	16	4	97	0.00	0.0	3.463	0.006	0	0	0	2	
PL.53515	PD.4965	A	6 A (CWC)	7.42Y	123.7	0.01	1.34	2.24	2	16	4	97	0.00	0.0	3.537	0.074	8	2	1	2	
PL.53516	PL.53515	A	#1/0 ACSR	7.42Y	123.7	0.00	1.34	1.12	0	8	2	97	0.00	0.0	3.566	0.029	8	2	1	1	
PL.33137	PL.33181	A	#4 ACSR	7.43Y	123.8	0.00	1.22	1.72	1	12	3	97	0.00	0.0	3.241	0.051	12	3	1	1	
PL.33158	PL.33157	A	#4 ACSR	7.45Y	124.1	0.00	0.85	0.01	0	0	0	100	0.00	0.0	2.607	0.002	0	0	0	1	
PD.4969	PL.33158	A	50QA	7.45Y	124.1	0.00	0.85	0.01	0	0	0	100	0.00	0.0	2.607	0.002	0	0	0	1	
PL.33159	PD.4969	A	#4 ACSR	7.45Y	124.1	0.00	0.85	0.01	0	0	0	100	0.00	0.0	2.670	0.063	0	0	1	1	
PL.34337	PL.34336	A	#2 ACSR	7.46Y	124.4	0.00	0.62	1.55	1	11	3	96	0.00	0.0	2.283	0.002	0	0	0	1	
PD.4967	PL.34337	A	50QA	7.46Y	124.4	0.00	0.62	1.55	3	11	3	96	0.00	0.0	2.283	0.002	0	0	0	1	
PL.55183	PD.4967	A	#2 ACSR	7.46Y	124.4	0.00	0.62	1.55	1	11	3	96	0.00	0.0	2.396	0.113	11	3	1	1	
CP.52	PL.33326	ABC	Cap (300)	7.47Y	124.5	0.00	0.47	0.00	0	0	0	100	0.00	0.0	2.096	0.113	0	0	0	0	
PL.59102	PL.59100	C	6 A (CWC)	7.47Y	124.4	0.14	0.55	52.03	37	375	104	96	0.40	0.1	2.074	0.061	0	0	0	57	
PL.33447	PL.59102	C	6 A (CWC)	7.47Y	124.4	0.00	0.56	52.03	37	374	104	96	0.01	0.0	2.075	0.002	0	0	0	57	
C PD.4944	PL.33447	C	50L	7.47Y	124.4	0.00	0.56	52.03	104	374	104	96	0.00	0.0	2.075	0.002	0	0	0	57	C
PL.33152	PD.4944	C	6 A (CWC)	7.45Y	124.1	0.30	0.85	52.03	37	374	104	96	0.82	0.2	2.200	0.124	0	0	0	57	
PL.33168	PL.33152	C	#2 ACSR	7.45Y	124.1	0.00	0.85	0.80	0	6	2	95	0.00	0.0	2.238	0.038	6	2	1	1	
PL.33153	PL.33152	C	6 A (CWC)	7.44Y	124.0	0.13	0.98	51.24	37	368	102	96	0.36	0.1	2.256	0.056	0	0	0	56	
PL.33329	PL.33153	C	#4 ACSR	7.44Y	124.0	0.00	0.98	1.98	2	14	4	96	0.00	0.0	2.257	0.001	0	0	0	1	
PD.5007	PL.33329	C	40QA	7.44Y	124.0	0.00	0.98	1.98	5	14	4	96	0.00	0.0	2.257	0.001	0	0	0	1	
PL.33275	PD.5007	C	#4 ACSR	7.44Y	124.0	0.00	0.99	1.98	2	14	4	96	0.00	0.0	2.307	0.050	14	4	1	1	
PL.33154	PL.33153	C	6 A (CWC)	7.43Y	123.9	0.12	1.10	49.25	35	353	98	96	0.31	0.1	2.309	0.054	5	1	1	55	
PL.33155	PL.33154	C	#4 ACSR	7.43Y	123.9	0.00	1.10	1.18	1	8	2	97	0.00	0.0	2.310	0.001	0	0	0	1	
PD.4973	PL.33155	C	6T	7.43Y	123.9	0.00	1.10	1.18	0	8	2	97	0.00	0.0	2.310	0.001	0	0	0	1	
PL.33156	PD.4973	C	#4 ACSR	7.43Y	123.9	0.00	1.10	1.18	1	8	2	97	0.00	0.0	2.337	0.027	8	2	1	1	
PL.61216	PL.33154	C	6 A (CWC)	7.41Y	123.5	0.37	1.48	44.76	32	321	89	96	0.89	0.3	2.492	0.183	0	0	0	51	
PL.61218	PL.61216	C	#1/0 ACSR	7.41Y	123.5	0.00	1.48	0.00	0	0	0	100	0.00	0.0	2.543	0.051	0	0	0	0	
PL.61217	PL.61216	C	6 A (CWC)	7.40Y	123.3	0.26	1.74	44.76	32	320	88	96	0.61	0.2	2.618	0.126	0	0	0	51	
PL.33276	PL.61217	C	6 A (CWC)	7.37Y	122.8	0.49	2.22	42.67	30	304	84	96	1.11	0.4	2.868	0.250	0	0	0	50	

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Balanced Voltage Drop Report
Source: Bush

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.33816	PL.33276	C	6 A (CWC)	7.37Y	122.8	0.00	2.23	9.19	7	65	18	96	0.00	0.0	2.870	0.002	0	0	0	10
PD.4992	PL.33816	C	40T	7.37Y	122.8	0.00	2.23	9.19	0	65	18	96	0.00	0.0	2.870	0.002	0	0	0	10
PL.34047	PD.4992	C	6 A (CWC)	7.36Y	122.7	0.06	2.28	9.19	7	65	18	96	0.03	0.0	3.008	0.139	0	0	0	10
PL.34048	PL.34047	C	6 A (CWC)	7.36Y	122.7	0.02	2.30	8.11	6	58	16	96	0.01	0.0	3.065	0.057	0	0	0	9
PL.59088	PL.34048	C	#1/0 ACSR	7.36Y	122.7	0.00	2.30	1.30	1	9	3	95	0.00	0.0	3.069	0.004	0	0	0	1
PD.8671	PL.59088	C	15T	7.36Y	122.7	0.00	2.30	1.30	0	9	3	95	0.00	0.0	3.069	0.004	0	0	0	1
PL.59089	PD.8671	C	#1/0 ACSR	7.36Y	122.7	0.00	2.31	1.30	1	9	3	95	0.00	0.0	3.149	0.081	9	3	1	1
PL.34329	PL.34048	C	6 A (CWC)	7.36Y	122.7	0.01	2.32	5.46	4	39	11	96	0.00	0.0	3.114	0.049	9	2	2	7
PL.34330	PL.34329	C	6 A (CWC)	7.36Y	122.7	0.01	2.33	4.19	3	30	8	97	0.00	0.0	3.204	0.090	8	2	1	5
PL.33148	PL.34330	C	#4 ACSR	7.36Y	122.7	0.00	2.33	1.37	1	10	3	96	0.00	0.0	3.257	0.054	10	3	1	1
PL.34049	PL.34330	C	6 A (CWC)	7.36Y	122.7	0.00	2.33	1.75	1	12	3	97	0.00	0.0	3.299	0.095	12	3	3	3
PL.33195	PL.34048	C	#2 ACSR	7.36Y	122.7	0.00	2.31	1.35	1	10	3	96	0.00	0.0	3.122	0.057	10	3	1	1
PL.33615	PL.34047	C	6 A (CWC)	7.36Y	122.7	0.01	2.29	1.08	1	8	2	97	0.00	0.0	3.220	0.212	0	0	0	1
PL.33618	PL.33615	C	6 A (CWC)	7.36Y	122.7	0.00	2.30	1.08	1	8	2	97	0.00	0.0	3.247	0.027	0	0	0	1
PL.55173	PL.33618	C	6 A (CWC)	7.36Y	122.7	0.00	2.30	1.08	1	8	2	97	0.00	0.0	3.310	0.063	0	0	0	1
PL.55175	PL.55173	C	#2 ACSR	7.36Y	122.7	0.00	2.30	0.00	0	0	0	100	0.00	0.0	3.340	0.030	0	0	0	0
PL.55174	PL.55173	C	6 A (CWC)	7.36Y	122.7	0.00	2.30	1.08	1	8	2	97	0.00	0.0	3.408	0.098	8	2	1	1
PL.55172	PL.55174	C	6 A (CWC)	7.36Y	122.7	0.00	2.30	0.00	0	0	0	100	0.00	0.0	3.483	0.075	0	0	0	0
PL.33817	PL.33276	C	6 A (CWC)	7.37Y	122.8	0.00	2.22	5.39	4	38	10	97	0.00	0.0	2.870	0.002	0	0	0	9
PD.4979	PL.33817	C	40T	7.37Y	122.8	0.00	2.22	5.39	0	38	10	97	0.00	0.0	2.870	0.002	0	0	0	9
PL.33544	PD.4979	C	6 A (CWC)	7.36Y	122.7	0.03	2.26	5.39	4	38	10	97	0.01	0.0	2.999	0.129	0	0	0	9
PL.33545	PL.33544	C	6 A (CWC)	7.36Y	122.7	0.00	2.26	5.30	4	38	10	97	0.00	0.0	3.022	0.023	14	4	1	8
PL.34046	PL.33545	C	6 A (CWC)	7.36Y	122.7	0.03	2.29	3.36	2	24	7	96	0.00	0.0	3.203	0.182	0	0	0	7
PL.34331	PL.34046	C	6 A (CWC)	7.36Y	122.7	0.01	2.29	3.36	2	24	7	96	0.00	0.0	3.237	0.034	0	0	0	7
PL.33196	PL.34331	C	6 A (CWC)	7.36Y	122.7	0.00	2.30	0.46	0	3	1	95	0.00	0.0	3.297	0.060	0	0	0	2
PL.33197	PL.33196	C	6 A (CWC)	7.36Y	122.7	0.00	2.30	0.00	0	0	0	100	0.00	0.0	3.327	0.030	0	0	0	0
PL.33198	PL.33196	C	6 A (CWC)	7.36Y	122.7	0.00	2.30	0.46	0	3	1	95	0.00	0.0	3.538	0.242	2	1	1	2
PL.33199	PL.33198	C	6 A (CWC)	7.36Y	122.7	0.00	2.30	0.12	0	1	0	100	0.00	0.0	3.599	0.061	1	0	1	1
PL.34332	PL.34331	C	#4 ACSR	7.36Y	122.7	0.02	2.31	2.90	2	21	6	96	0.00	0.0	3.401	0.164	11	3	2	5
PL.33293	PL.34332	C	#4 ACSR	7.36Y	122.7	0.00	2.31	0.87	1	6	2	95	0.00	0.0	3.451	0.050	6	2	1	1
PL.34333	PL.34332	C	#4 ACSR	7.36Y	122.7	0.00	2.31	0.51	0	4	1	97	0.00	0.0	3.447	0.046	4	1	2	2

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Balanced Voltage Drop Report
Source: Bush

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.33144	PL.33544	C	#2 ACSR	7.36Y	122.7	0.00	2.26	0.09	0	1	0	100	0.00	0.0	3.046	0.047	1	0	1	1
PL.57413	PL.33276	C	6 A (CWC)	7.37Y	122.8	0.01	2.23	28.09	20	200	55	96	0.01	0.0	2.873	0.005	0	0	0	31
PD.8283	PL.57413	C	25T	7.37Y	122.8	0.00	2.23	28.09	0	200	55	96	0.00	0.0	2.873	0.005	0	0	0	31
PL.57411	PD.8283	C	6 A (CWC)	7.36Y	122.6	0.13	2.36	28.09	20	200	55	96	0.18	0.1	2.976	0.102	17	5	2	31
PL.57412	PL.57411	C	6 A (CWC)	7.35Y	122.5	0.10	2.46	25.67	18	182	50	96	0.14	0.1	3.065	0.089	11	3	2	29
PL.55167	PL.57412	C	6 A (CWC)	7.35Y	122.4	0.10	2.56	24.09	17	171	47	96	0.13	0.1	3.158	0.093	0	0	0	27
PL.55181	PL.55167	C	6 A (CWC)	7.34Y	122.4	0.03	2.59	16.47	12	117	32	96	0.03	0.0	3.201	0.044	0	0	0	18
PL.55182	PL.55181	C	6 A (CWC)	7.34Y	122.3	0.08	2.67	16.47	12	117	32	96	0.07	0.1	3.305	0.104	0	0	0	18
PL.55170	PL.55182	C	6 A (CWC)	7.34Y	122.3	0.02	2.69	15.60	11	110	30	96	0.01	0.0	3.330	0.024	10	3	1	17
PL.55171	PL.55170	C	6 A (CWC)	7.33Y	122.2	0.14	2.83	14.25	10	101	28	96	0.10	0.1	3.541	0.212	0	0	0	16
PL.53591	PL.55171	C	6 A (CWC)	7.33Y	122.1	0.07	2.89	11.00	8	78	21	97	0.04	0.1	3.675	0.133	0	0	0	13
PL.53592	PL.53591	C	6 A (CWC)	7.32Y	122.1	0.04	2.93	7.40	5	52	14	97	0.01	0.0	3.790	0.115	3	1	1	7
PL.33369	PL.53592	C	6 A (CWC)	7.32Y	122.0	0.03	2.96	6.98	5	49	13	97	0.01	0.0	3.890	0.100	0	0	0	6
PL.55387	PL.33369	C	#4 ACSR	7.32Y	122.0	0.00	2.96	1.02	1	7	2	96	0.00	0.0	3.939	0.049	7	2	1	1
PL.55164	PL.33369	C	6 A (CWC)	7.32Y	122.0	0.05	3.01	3.42	2	24	7	96	0.01	0.0	4.202	0.312	0	0	0	3
PL.55165	PL.55164	C	6 A (CWC)	7.32Y	122.0	0.00	3.02	3.42	2	24	7	96	0.00	0.0	4.233	0.031	9	2	1	3
PL.55388	PL.55165	C	6 A (CWC)	7.32Y	122.0	0.00	3.02	1.24	1	9	2	98	0.00	0.0	4.270	0.037	9	2	1	1
PL.64440	PL.55165	C	#1/0 ACSR	7.32Y	122.0	0.00	3.02	0.88	0	6	2	95	0.00	0.0	4.262	0.029	0	0	0	1
PL.64441	PL.64440	C	#1/0 ACSR	7.32Y	122.0	0.00	3.02	0.88	0	6	2	95	0.00	0.0	4.310	0.047	0	0	0	1
PL.64442	PL.64441	C	#1/0 ACSR	7.32Y	122.0	0.00	3.02	0.88	0	6	2	95	0.00	0.0	4.384	0.074	6	2	1	1
PL.62784	PL.33369	C	6 A (CWC)	7.32Y	122.0	0.00	2.97	2.54	2	18	5	96	0.00	0.0	3.939	0.049	18	5	2	2
PL.53593	PL.53591	C	6 A (CWC)	7.33Y	122.1	0.01	2.90	3.59	3	25	7	96	0.00	0.0	3.718	0.043	0	0	0	6
PL.53594	PL.53593	C	6 A (CWC)	7.33Y	122.1	0.01	2.91	3.59	3	25	7	96	0.00	0.0	3.784	0.066	4	1	1	6
PL.55195	PL.53594	C	6 A (CWC)	7.32Y	122.1	0.01	2.92	2.82	2	20	5	97	0.00	0.0	3.832	0.048	0	0	0	4
PL.55194	PL.55195	C	6 A (CWC)	7.32Y	122.1	0.00	2.92	1.06	1	7	2	96	0.00	0.0	3.862	0.030	7	2	1	2
PL.33286	PL.55194	C	6 A (CWC)	7.32Y	122.1	0.00	2.92	0.13	0	1	0	100	0.00	0.0	3.891	0.029	1	0	1	1
PL.55196	PL.55195	C	6 A (CWC)	7.32Y	122.1	0.01	2.92	1.76	1	12	3	97	0.00	0.0	3.909	0.077	0	0	0	2
PL.55192	PL.55196	C	#1/0 ACSR	7.32Y	122.1	0.00	2.92	1.76	1	12	3	97	0.00	0.0	3.914	0.005	0	0	0	2
PD.8215	PL.55192	C	20QA	7.32Y	122.1	0.00	2.92	1.76	9	12	3	97	0.00	0.0	3.914	0.005	0	0	0	2
PL.55193	PD.8215	C	#1/0 ACSR	7.32Y	122.1	0.00	2.93	1.76	1	12	3	97	0.00	0.0	4.032	0.118	12	3	2	2
PL.57902	PL.53594	C	#4 ACSR	7.33Y	122.1	0.00	2.91	0.23	0	2	0	100	0.00	0.0	3.864	0.080	2	0	1	1

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PL.33818	PL.55171	C	6 A (CWC)	7.33Y	122.2	0.01	2.83	3.25	2	23	6	97	0.00	0.0	3.598	0.057	0	0	0	3
PL.59079	PL.33818	C	#2 ACSR	7.33Y	122.2	0.00	2.84	0.91	1	6	2	95	0.00	0.0	3.689	0.091	6	2	1	1
PL.59080	PL.59079	C	#2 ACSR	7.33Y	122.2	0.00	2.84	0.00	0	0	0	100	0.00	0.0	3.811	0.122	0	0	0	0
PL.61209	PL.33818	C	#1/0 ACSR	7.33Y	122.2	0.00	2.83	1.36	1	10	3	96	0.00	0.0	3.601	0.004	0	0	0	1
PD.9106	PL.61209	C	15T	7.33Y	122.2	0.00	2.83	1.36	0	10	3	96	0.00	0.0	3.601	0.004	0	0	0	1
PL.61210	PD.9106	C	#1/0 ACSR	7.33Y	122.2	0.00	2.84	1.36	1	10	3	96	0.00	0.0	3.649	0.048	10	3	1	1
PL.55166	PL.33818	C	6 A (CWC)	7.33Y	122.2	0.00	2.84	0.98	1	7	2	96	0.00	0.0	3.669	0.071	7	2	1	1
PL.55389	PL.55170	C	#4 ACSR	7.34Y	122.3	0.00	2.69	0.00	0	0	0	100	0.00	0.0	3.426	0.096	0	0	0	0
PL.55169	PL.55182	C	#4 ACSR	7.34Y	122.3	0.00	2.67	0.86	1	6	2	95	0.00	0.0	3.355	0.050	6	2	1	1
PL.55390	PL.55167	C	#4 ACSR	7.35Y	122.4	0.01	2.57	4.13	3	29	8	96	0.00	0.0	3.203	0.046	8	2	1	3
PL.55391	PL.55390	C	#4 ACSR	7.35Y	122.4	0.00	2.57	2.94	2	21	6	96	0.00	0.0	3.258	0.055	21	6	2	2
PL.55168	PL.55167	C	#4 ACSR	7.35Y	122.4	0.01	2.57	3.50	3	25	7	96	0.00	0.0	3.200	0.043	3	1	1	6
PL.55179	PL.55168	C	#4 ACSR	7.35Y	122.4	0.00	2.57	3.09	2	22	6	96	0.00	0.0	3.252	0.052	13	4	2	5
PL.55180	PL.55179	C	#1/0 ACSR	7.35Y	122.4	0.00	2.57	1.24	1	9	2	98	0.00	0.0	3.274	0.022	9	2	3	3
PL.55547	PL.61217	C	#4 ACSR	7.40Y	123.3	0.00	1.74	2.09	2	15	4	97	0.00	0.0	2.621	0.003	0	0	0	1
PD.8199	PL.55547	C	40QA	7.40Y	123.3	0.00	1.74	2.09	5	15	4	97	0.00	0.0	2.621	0.003	0	0	0	1
PL.55548	PD.8199	C	#4 ACSR	7.40Y	123.3	0.00	1.74	2.09	2	15	4	97	0.00	0.0	2.659	0.038	15	4	1	1
PL.33231	PL.61217	C	#4 ACSR	7.40Y	123.3	0.00	1.74	0.00	0	0	0	100	0.00	0.0	2.633	0.015	0	0	0	0
PL.33533	PL.33154	C	#4 ACSR	7.43Y	123.9	0.01	1.11	2.63	2	19	5	97	0.00	0.0	2.376	0.066	13	4	1	2
PL.61234	PL.33533	C	#1/0 ACSR	7.43Y	123.9	0.00	1.11	0.76	0	5	1	98	0.00	0.0	2.436	0.061	5	1	1	1
PL.61194	PL.61192	B	#1/0 ACSR	7.40Y	123.3	0.00	1.68	0.32	0	2	1	89	0.00	0.0	1.738	0.004	0	0	0	1
PD.9102	PL.61194	B	10T	7.40Y	123.3	0.00	1.68	0.32	0	2	1	89	0.00	0.0	1.738	0.004	0	0	0	1
PL.61195	PD.9102	B	#1/0 ACSR	7.40Y	123.3	0.00	1.68	0.32	0	2	1	89	0.00	0.0	1.769	0.030	2	1	1	1
PL.33145	PL.34317	C	6 A (CWC)	7.41Y	123.5	0.00	1.49	0.75	1	5	1	98	0.00	0.0	1.616	0.060	5	1	1	1
PL.33813	PL.34319	A	6 A (CWC)	7.42Y	123.7	0.00	1.30	3.77	3	27	7	97	0.00	0.0	1.375	0.000	0	0	0	8
PD.4972	PL.33813	A	75QA	7.42Y	123.7	0.00	1.30	3.77	5	27	7	97	0.00	0.0	1.375	0.000	0	0	0	8
PL.33814	PD.4972	A	6 A (CWC)	7.42Y	123.7	0.01	1.31	3.77	3	27	7	97	0.00	0.0	1.435	0.060	21	6	2	8
PL.34320	PL.33814	A	6 A (CWC)	7.42Y	123.7	0.00	1.31	0.85	1	6	2	95	0.00	0.0	1.465	0.030	2	0	1	6
PL.33811	PL.34320	A	6 A (CWC)	7.42Y	123.7	0.00	1.31	0.63	0	4	1	97	0.00	0.0	1.492	0.027	4	1	5	5
PL.33812	PL.33811	A	6 A (CWC)	7.42Y	123.7	0.00	1.31	0.00	0	0	0	100	0.00	0.0	1.524	0.032	0	0	0	0
PL.63859	PL.63854	C	#1/0 ACSR	7.45Y	124.2	0.00	0.77	53.11	23	373	133	94	0.01	0.0	0.873	0.003	0	0	0	31

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: Bush

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

Units Displayed In Volts
-Base Voltage:120.0-

Element Name	Parent Name	Cnf	Type/ Conductor	Pri kV	Base Volt	Element Drop	Accum Drop	Thru Amps	% Cap	Thru KW	KVAR	% PF	kW Loss	% Loss	mi From Src	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.9491	PL.63859	C	50T	7.45Y	124.2	0.00	0.77	53.11	0	373	133	94	0.00	0.0	0.873	0.003	0	0	0	31
PL.63860	PD.9491	C	#1/0 ACSR	7.45Y	124.1	0.11	0.88	53.11	23	373	133	94	0.26	0.1	0.959	0.086	12	3	2	31
PL.63852	PL.63860	C	6 A (CWC)	7.45Y	124.1	0.00	0.88	4.52	3	32	9	96	0.00	0.0	1.000	0.041	32	9	1	1
PL.63853	PL.63860	C	6 A (CWC)	7.44Y	124.1	0.05	0.93	46.95	34	328	120	94	0.12	0.0	0.982	0.023	0	0	0	28
PL.61220	PL.63853	C	6 A (CWC)	7.44Y	124.0	0.09	1.02	25.51	18	183	50	96	0.11	0.1	1.059	0.076	11	3	1	27
PL.61221	PL.61220	C	6 A (CWC)	7.43Y	123.9	0.09	1.11	24.02	17	172	47	96	0.12	0.1	1.145	0.086	0	0	0	26
PL.59103	PL.61221	C	6 A (CWC)	7.43Y	123.9	0.00	1.11	0.91	1	7	2	96	0.00	0.0	1.218	0.073	7	2	2	2
PL.33321	PL.61221	C	6 A (CWC)	7.43Y	123.9	0.00	1.12	1.73	1	12	3	97	0.00	0.0	1.208	0.063	3	1	1	3
PL.33322	PL.33321	C	6 A (CWC)	7.43Y	123.9	0.01	1.12	1.27	1	9	2	98	0.00	0.0	1.353	0.145	0	0	0	2
PL.33323	PL.33322	C	6 A (CWC)	7.43Y	123.9	0.00	1.13	1.27	1	9	2	98	0.00	0.0	1.445	0.092	9	2	2	2
PL.61420	PL.61221	C	6 A (CWC)	7.42Y	123.7	0.14	1.25	21.37	15	153	42	96	0.16	0.1	1.297	0.152	10	3	1	21
PL.61421	PL.61420	C	6 A (CWC)	7.42Y	123.7	0.00	1.26	1.16	1	8	2	97	0.00	0.0	1.400	0.103	2	1	1	2
PL.33628	PL.61421	C	6 A (CWC)	7.42Y	123.7	0.00	1.26	0.90	1	6	2	95	0.00	0.0	1.418	0.017	6	2	1	1
PL.61419	PL.61420	C	6 A (CWC)	7.42Y	123.7	0.05	1.30	18.88	13	135	37	96	0.05	0.0	1.359	0.062	16	4	1	18
PL.61422	PL.61419	C	6 A (CWC)	7.42Y	123.7	0.03	1.34	16.67	12	119	32	97	0.03	0.0	1.404	0.046	0	0	0	17
PL.61416	PL.61422	C	6 A (CWC)	7.42Y	123.7	0.01	1.35	1.14	1	8	2	97	0.00	0.0	1.648	0.243	8	2	1	1
PL.61417	PL.61422	C	6 A (CWC)	7.42Y	123.6	0.08	1.42	13.51	10	97	26	97	0.05	0.1	1.531	0.127	7	2	2	13
PL.61183	PL.61417	C	6 A (CWC)	7.41Y	123.5	0.03	1.45	12.55	9	90	24	97	0.02	0.0	1.592	0.061	0	0	0	11
PL.61182	PL.61183	C	#2 ACSR	7.41Y	123.5	0.02	1.47	7.12	4	51	14	96	0.01	0.0	1.668	0.076	11	3	1	4
PL.53806	PL.61182	C	#1/0 ACSR	7.41Y	123.5	0.01	1.48	5.62	2	40	11	96	0.00	0.0	1.812	0.144	19	5	1	3
PL.59094	PL.53806	C	#1/0 ACSR	7.41Y	123.5	0.00	1.48	3.00	1	21	6	96	0.00	0.0	1.850	0.039	0	0	0	2
PL.59095	PL.59094	C	#1/0 ACSR	7.41Y	123.5	0.00	1.48	2.10	1	15	4	97	0.00	0.0	1.899	0.048	15	4	1	1
PL.59096	PL.59094	C	#1/0 ACSR	7.41Y	123.5	0.00	1.48	0.91	0	6	2	95	0.00	0.0	1.930	0.080	6	2	1	1
PL.62689	PL.61183	C	6 A (CWC)	7.41Y	123.5	0.04	1.49	5.44	4	39	10	97	0.01	0.0	1.749	0.157	7	2	1	7
PL.61185	PL.62689	C	6 A (CWC)	7.41Y	123.5	0.00	1.49	1.51	1	11	3	96	0.00	0.0	1.825	0.075	11	3	2	3
PL.61184	PL.61185	C	6 A (CWC)	7.41Y	123.5	0.00	1.49	0.00	0	0	0	100	0.00	0.0	1.993	0.168	0	0	1	1
PL.61187	PL.62689	C	#1/0 ACSR	7.41Y	123.5	0.00	1.49	2.91	1	21	5	97	0.00	0.0	1.752	0.003	0	0	0	3
PD.9101	PL.61187	C	10T	7.41Y	123.5	0.00	1.49	2.91	0	21	5	97	0.00	0.0	1.752	0.003	0	0	0	3
PL.61188	PD.9101	C	#1/0 ACSR	7.41Y	123.5	0.01	1.49	2.91	1	21	5	97	0.00	0.0	1.902	0.149	10	3	2	3
PL.61186	PL.61188	C	1/0 AL URD	7.41Y	123.5	0.00	1.49	1.58	1	11	3	96	0.00	0.0	1.959	0.057	11	3	1	1
PL.61418	PL.61422	C	6 A (CWC)	7.42Y	123.7	0.00	1.34	2.02	1	14	4	96	0.00	0.0	1.408	0.003	0	0	0	3

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Balanced Voltage Drop Report
Source: Bush

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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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru
PD.4996	PL.61418	C	25T	7.42Y	123.7	0.00	1.34	2.02	0	14	4	96	0.00	0.0	1.408	0.003	0	0	0	3
PL.33629	PD.4996	C	6 A (CWC)	7.42Y	123.6	0.01	1.35	2.02	1	14	4	96	0.00	0.0	1.580	0.172	5	1	1	3
PL.33630	PL.33629	C	6 A (CWC)	7.42Y	123.6	0.01	1.36	1.33	1	10	3	96	0.00	0.0	1.671	0.091	2	0	1	2
PL.33631	PL.33630	C	6 A (CWC)	7.42Y	123.6	0.00	1.36	1.11	1	8	2	97	0.00	0.0	1.741	0.070	8	2	1	1
PL.61219	PL.63853	C	6 A (CWC)	7.44Y	124.0	0.05	0.98	21.64	15	145	70	90	0.06	0.0	1.035	0.053	0	0	0	1
PL.33543	PL.61219	C	6 A (CWC)	7.44Y	124.0	0.01	0.99	21.64	15	145	70	90	0.01	0.0	1.050	0.015	145	70	1	1
PL.62400	PL.62402	A	#4 ACSR	7.48Y	124.7	0.00	0.28	3.11	2	22	6	96	0.00	0.0	0.382	0.000	0	0	0	3
PD.4922	PL.62400	A	75QA	7.48Y	124.7	0.00	0.28	3.11	4	22	6	96	0.00	0.0	0.382	0.000	0	0	0	3
PL.33320	PD.4922	A	#4 ACSR	7.48Y	124.7	0.00	0.28	3.11	2	22	6	96	0.00	0.0	0.418	0.037	13	4	2	3
PL.61189	PL.33320	A	#1/0 ACSR	7.48Y	124.7	0.00	0.28	1.32	1	10	3	96	0.00	0.0	0.441	0.023	10	3	1	1
PL.62733	PL.62402	B	#1/0 ACSR	7.48Y	124.7	0.00	0.28	1.37	1	10	3	96	0.00	0.0	0.384	0.003	0	0	0	2
PD.9519	PL.62733	B	25T	7.48Y	124.7	0.00	0.28	1.37	0	10	3	96	0.00	0.0	0.384	0.003	0	0	0	2
PL.62734	PD.9519	B	#1/0 ACSR	7.48Y	124.7	0.00	0.28	1.37	1	10	3	96	0.00	0.0	0.403	0.019	9	2	1	2
PL.62735	PL.62734	B	#1/0 ACSR	7.48Y	124.7	0.00	0.28	0.19	0	1	0	100	0.00	0.0	0.460	0.057	0	0	0	1
PL.62736	PL.62735	B	#1/0 ACSR	7.48Y	124.7	0.00	0.28	0.19	0	1	0	100	0.00	0.0	0.517	0.057	0	0	0	1
PL.62737	PL.62736	B	#1/0 ACSR	7.48Y	124.7	0.00	0.28	0.19	0	1	0	100	0.00	0.0	0.574	0.057	1	0	1	1
PL.33493	PL.33515	A	#4 ACSR	7.49Y	124.8	0.00	0.25	1.36	1	10	3	96	0.00	0.0	0.350	0.000	0	0	0	1
PD.5011	PL.33493	A	75QA	7.49Y	124.8	0.00	0.25	1.36	2	10	3	96	0.00	0.0	0.350	0.000	0	0	0	1
PL.33494	PD.5011	A	#4 ACSR	7.49Y	124.8	0.00	0.25	1.36	1	10	3	96	0.00	0.0	0.365	0.016	10	3	1	1
PL.34392	PL.33549	C	#4 ACSR	7.49Y	124.9	0.00	0.09	4.97	4	36	10	96	0.00	0.0	0.194	0.001	0	0	0	3
PD.4921	PL.34392	C	75QA	7.49Y	124.9	0.00	0.09	4.97	7	36	10	96	0.00	0.0	0.194	0.001	0	0	0	3
PL.34393	PD.4921	C	#4 ACSR	7.49Y	124.9	0.01	0.09	4.97	4	36	10	96	0.00	0.0	0.233	0.039	26	7	2	3
PL.64050	PL.34393	C	#1/0 ACSR	7.49Y	124.9	0.00	0.09	1.41	1	10	3	96	0.00	0.0	0.294	0.061	10	3	1	1

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	Load	Adjustment	Capacitance	Charging	Gen&Motors	Loops&Metas	Losses	No Load Losses	Total
KW	9029	0	0	0	0	0	607	0.00	9636
KVAR	2516	0	0	-3	0	0	652		3165

Lowest Voltage = 112.18 on Element PL.33644
Max Accm VoltD = 12.82 on Element PL.33644
Max Elem VoltD = 0.96 on Element PL.33685

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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	Element Length (mi)	Element KW	Element KVAR	Element Cons On	Element Cons Thru